TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-91253-1

Job Description: Lockheed Martin Corporation - PCBs

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Ryan T VanDette
Project Manager II
11/24/2015 10:49 AM

Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
11/24/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 5

Sample Summary 22

Executive Summary 23

Method Summary 26

Method / Analyst Summary 27

Sample Datasheets 28

Surrogate Summary 75

QC Data Summary 78

Data Qualifiers 84

QC Association Summary 85

Lab Chronicle 88

Certification Summary 95

Organic Sample Data 96

GC Semi VOA 96

Method 8082A 96

Method 8082A QC Summary 97

Method 8082A Sample Data 136

Standards Data 238

Method 8082A ICAL Data 238

Method 8082A CCAL Data 346

Raw QC Data 429

Method 8082A Blank Data 429

Method 8082A LCS/LCSD Data 438

Table of Contents

Method 8082A MS/MSD Data 462

Method 8082A Run Logs 493

Method 8082A Prep Data 497

Inorganic Sample Data 501

General Chemistry Data 501

Gen Chem Cover Page 502

Gen Chem MDL 503

Gen Chem Analysis Run Log 505

Gen Chem Prep Data 508

Shipping and Receiving Documents 510

Client Chain of Custody 511

Sample Receipt Checklist 514

Job Narrative
480-91253-1

Comments
No additional comments.

Receipt
The samples were received on 11/18/2015 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.5º C.

GC Semi VOA
Method(s) 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SS20-4 (480-91253-2). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: All primary data is reported from the ZB-35 column.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-275663.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/3 Client Sample ID:

Date Analyzed: 08/01/15 13:29 Lab File ID: 12_339_293.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.69	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 1	2.25	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 2	2.39	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 3	2.59	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 4	2.67	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 3	4.53	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:06

Lab Sample ID: IC 480-256564/5 Client Sample ID:

Date Analyzed: 08/01/15 13:58 Lab File ID: 12_339_295.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.26	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 2	2.39	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 3	2.59	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 4	2.67	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.54	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:07

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/5 Client Sample ID:

Date Analyzed: 08/01/15 13:58 Lab File ID: 12_339_295.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.98	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 2	2.27	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 3	2.38	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 4	2.75	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 1	4.05	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.36	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.50	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.81	Incomplete Integration	eversd	08/03/15 11:07

Lab Sample ID: IC 480-256564/6 Client Sample ID:

Date Analyzed: 08/01/15 14:13 Lab File ID: 12_339_296.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.54	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:07

Lab Sample ID: IC 480-256564/6 Client Sample ID:

Date Analyzed: 08/01/15 14:13 Lab File ID: 12_339_296.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.06	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.36	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.50	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.81	Incomplete Integration	eversd	08/03/15 11:07

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/7 Client Sample ID:

Date Analyzed: 08/01/15 14:28 Lab File ID: 12_339_297.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.69	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 1	2.25	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 2	2.39	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 3	2.59	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 4	2.67	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 1	4.19	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 2	4.41	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 3	4.54	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 4	4.92	Peak Tail	eversd	08/03/15 11:08

Lab Sample ID: IC 480-256564/7 Client Sample ID:

Date Analyzed: 08/01/15 14:28 Lab File ID: 12_339_297.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.97	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 2	2.26	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 3	2.38	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 4	2.74	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 1	4.06	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 2	4.36	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 3	4.50	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 4	4.81	Peak Tail	eversd	08/03/15 11:08

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/8 Client Sample ID:

Date Analyzed: 08/01/15 14:43 Lab File ID: 12_339_298.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.25	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 2	2.39	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 3	2.59	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 4	2.68	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 3	4.54	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:09
DCB Decachlorobiphenyl	6.23	Incomplete Integration	eversd	08/03/15 11:09

Lab Sample ID: IC 480-256564/8 Client Sample ID:

Date Analyzed: 08/01/15 14:43 Lab File ID: 12_339_298.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.31	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 1	1.97	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 2	2.26	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 3	2.37	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 4	2.75	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 1	4.06	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 2	4.36	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 3	4.50	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 4	4.82	Incomplete Integration	eversd	08/03/15 11:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/12 Client Sample ID:

Date Analyzed: 08/01/15 15:43 Lab File ID: 12_339_302.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 3	1.68	Unspecified	eversd	08/03/15 13:38

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: CCV 480-275686/2 Client Sample ID:

Date Analyzed: 11/18/15 13:44 Lab File ID: 12_349_236.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/18/15 14:45
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/18/15 14:45
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/18/15 14:45
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/18/15 14:45

Lab Sample ID: CCV 480-275686/2 Client Sample ID:

Date Analyzed: 11/18/15 13:44 Lab File ID: 12_349_236.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.92	Split Peak	sobolk	11/18/15 14:45
PCB-1260 Peak 2	4.23	Split Peak	sobolk	11/18/15 14:45
PCB-1260 Peak 3	4.37	Split Peak	sobolk	11/18/15 14:45
PCB-1260 Peak 4	4.69	Split Peak	sobolk	11/18/15 14:45

Lab Sample ID: LCS 480-275569/2-A Client Sample ID:

Date Analyzed: 11/18/15 14:28 Lab File ID: 12_349_239.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/18/15 16:09
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/18/15 16:09
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/18/15 16:09
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/18/15 16:09
PCB-1260 Peak 1	4.06	Baseline Smoothing	sobolk	11/18/15 16:09
PCB-1260 Peak 2	4.28	Baseline Smoothing	sobolk	11/18/15 16:09
PCB-1260 Peak 3	4.41	Baseline Smoothing	sobolk	11/18/15 16:09
PCB-1260 Peak 4	4.80	Baseline Smoothing	sobolk	11/18/15 16:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: CCV 480-275686/14 Client Sample ID:

Date Analyzed: 11/18/15 16:47 Lab File ID: 12_349_248.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/18/15 18:07
PCB-1016 Peak 2	2.26	Split Peak	sobolk	11/18/15 18:07
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/18/15 18:07
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/18/15 18:07

Lab Sample ID: CCV 480-275686/14 Client Sample ID:

Date Analyzed: 11/18/15 16:47 Lab File ID: 12_349_248.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.92	Split Peak	sobolk	11/18/15 18:07
PCB-1260 Peak 2	4.23	Split Peak	sobolk	11/18/15 18:07
PCB-1260 Peak 3	4.37	Split Peak	sobolk	11/18/15 18:07
PCB-1260 Peak 4	4.69	Split Peak	sobolk	11/18/15 18:07

Lab Sample ID: 480-91253-23 Client Sample ID: SS7-DUP

Date Analyzed: 11/18/15 19:41 Lab File ID: 12_349_259.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.21	Incomplete Integration	owenj	11/19/15 11:59
PCB-1254 Peak 2	3.60	Incomplete Integration	owenj	11/19/15 11:59
PCB-1254 Peak 3	3.68	Incomplete Integration	owenj	11/19/15 11:59
PCB-1254 Peak 4	3.88	Incomplete Integration	owenj	11/19/15 11:59

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: 480-91253-23 Client Sample ID: SS7-DUP

Date Analyzed: 11/18/15 19:41 Lab File ID: 12_349_259.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.01	Incomplete Integration	owenj	11/19/15 11:59
PCB-1254 Peak 2	3.38	Incomplete Integration	owenj	11/19/15 11:59
PCB-1254 Peak 3	3.51	Incomplete Integration	owenj	11/19/15 11:59
PCB-1254 Peak 4	3.92	Incomplete Integration	owenj	11/19/15 11:59

Lab Sample ID: CCV 480-275686/26 Client Sample ID:

Date Analyzed: 11/18/15 19:57 Lab File ID: 12_349_260.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 09:53
PCB-1016 Peak 2	2.26	Split Peak	sobolk	11/19/15 09:53
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 09:53
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/19/15 09:53

Lab Sample ID: CCV 480-275686/26 Client Sample ID:

Date Analyzed: 11/18/15 19:57 Lab File ID: 12_349_260.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.92	Split Peak	sobolk	11/19/15 09:53
PCB-1260 Peak 2	4.23	Split Peak	sobolk	11/19/15 09:53
PCB-1260 Peak 3	4.37	Split Peak	sobolk	11/19/15 09:53
PCB-1260 Peak 4	4.69	Split Peak	sobolk	11/19/15 09:53

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: LCS 480-275611/2-A Client Sample ID:

Date Analyzed: 11/18/15 20:44 Lab File ID: 12_349_263.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 10:34
PCB-1016 Peak 2	2.26	Split Peak	sobolk	11/19/15 10:34
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 10:34
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/19/15 10:34

Lab Sample ID: 480-91253-11 MS Client Sample ID: SS21-6 MS

Date Analyzed: 11/18/15 21:00 Lab File ID: 12_349_264.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.86	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1016 Peak 2	2.14	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1016 Peak 3	2.25	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1016 Peak 4	2.61	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1254 Peak 1	3.01	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1254 Peak 2	3.39	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1254 Peak 3	3.51	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1254 Peak 4	3.92	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1260 Peak 1	3.92	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1260 Peak 2	4.23	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1260 Peak 3	4.37	Baseline Smoothing	owenj	11/19/15 12:01
PCB-1260 Peak 4	4.69	Baseline Smoothing	owenj	11/19/15 12:01

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: 480-91253-19 MS Client Sample ID: SS7-5 MS

Date Analyzed: 11/18/15 21:31 Lab File ID: 12_349_266.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.22	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1254 Peak 2	3.61	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1254 Peak 3	3.68	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1254 Peak 4	3.87	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1260 Peak 1	4.05	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1260 Peak 2	4.27	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1260 Peak 3	4.41	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1260 Peak 4	4.79	Baseline Smoothing	owenj	11/19/15 12:03

Lab Sample ID: 480-91253-19 MSD Client Sample ID: SS7-5 MSD

Date Analyzed: 11/18/15 21:47 Lab File ID: 12_349_267.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	6.10	Split Peak	owenj	11/19/15 12:04

Lab Sample ID: 480-91253-4 Client Sample ID: SS20-7

Date Analyzed: 11/18/15 22:50 Lab File ID: 12_349_271.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.22	Incomplete Integration	owenj	11/19/15 12:09
PCB-1254 Peak 2	3.61	Incomplete Integration	owenj	11/19/15 12:09
PCB-1254 Peak 3	3.69	Incomplete Integration	owenj	11/19/15 12:09
PCB-1254 Peak 4	3.89	Incomplete Integration	owenj	11/19/15 12:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: 480-91253-4 Client Sample ID: SS20-7

Date Analyzed: 11/18/15 22:50 Lab File ID: 12_349_271.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.00	Incomplete Integration	owenj	11/19/15 12:09
PCB-1254 Peak 2	3.38	Incomplete Integration	owenj	11/19/15 12:09
PCB-1254 Peak 3	3.52	Incomplete Integration	owenj	11/19/15 12:09
PCB-1254 Peak 4	3.94	Incomplete Integration	owenj	11/19/15 12:09

Lab Sample ID: CCV 480-275686/38 Client Sample ID:

Date Analyzed: 11/18/15 23:06 Lab File ID: 12_349_272.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 10:35
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/19/15 10:35
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 10:35
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/19/15 10:35

Lab Sample ID: CCV 480-275686/38 Client Sample ID:

Date Analyzed: 11/18/15 23:06 Lab File ID: 12_349_272.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.93	Split Peak	sobolk	11/19/15 10:35
PCB-1260 Peak 2	4.24	Split Peak	sobolk	11/19/15 10:35
PCB-1260 Peak 3	4.38	Split Peak	sobolk	11/19/15 10:35
PCB-1260 Peak 4	4.70	Split Peak	sobolk	11/19/15 10:35

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: 480-91253-6 Client Sample ID: SS21-1

Date Analyzed: 11/18/15 23:53 Lab File ID: 12_349_275.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.58	Baseline Smoothing	owenj	11/19/15 12:12
PCB-1254 Peak 1	3.22	Baseline Smoothing	owenj	11/19/15 12:12
PCB-1254 Peak 2	3.61	Baseline Smoothing	owenj	11/19/15 12:12
PCB-1254 Peak 3	3.69	Baseline Smoothing	owenj	11/19/15 12:12
PCB-1254 Peak 4	3.88	Baseline Smoothing	owenj	11/19/15 12:12
DCB Decachlorobiphenyl	6.09	Baseline Smoothing	owenj	11/19/15 12:12

Lab Sample ID: 480-91253-6 Client Sample ID: SS21-1

Date Analyzed: 11/18/15 23:53 Lab File ID: 12_349_275.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.01	Baseline Smoothing	owenj	11/19/15 12:12
PCB-1254 Peak 2	3.38	Baseline Smoothing	owenj	11/19/15 12:12
PCB-1254 Peak 3	3.52	Baseline Smoothing	owenj	11/19/15 12:12
PCB-1254 Peak 4	3.93	Baseline Smoothing	owenj	11/19/15 12:12

Lab Sample ID: 480-91253-8 Client Sample ID: SS21-3

Date Analyzed: 11/19/15 00:25 Lab File ID: 12_349_277.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.22	Baseline Smoothing	owenj	11/19/15 12:14
PCB-1254 Peak 2	3.61	Baseline Smoothing	owenj	11/19/15 12:14
PCB-1254 Peak 3	3.69	Baseline Smoothing	owenj	11/19/15 12:14
PCB-1254 Peak 4	3.88	Baseline Smoothing	owenj	11/19/15 12:14

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: 480-91253-8 Client Sample ID: SS21-3

Date Analyzed: 11/19/15 00:25 Lab File ID: 12_349_277.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.01	Baseline Smoothing	owenj	11/19/15 12:14
PCB-1254 Peak 2	3.38	Baseline Smoothing	owenj	11/19/15 12:14
PCB-1254 Peak 3	3.52	Baseline Smoothing	owenj	11/19/15 12:14
PCB-1254 Peak 4	3.93	Baseline Smoothing	owenj	11/19/15 12:14

Lab Sample ID: 480-91253-9 Client Sample ID: SS21-4

Date Analyzed: 11/19/15 00:41 Lab File ID: 12_349_278.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.01	Baseline Smoothing	owenj	11/19/15 12:15
PCB-1254 Peak 2	3.38	Baseline Smoothing	owenj	11/19/15 12:15
PCB-1254 Peak 3	3.52	Baseline Smoothing	owenj	11/19/15 12:15
PCB-1254 Peak 4	3.93	Baseline Smoothing	owenj	11/19/15 12:15

Lab Sample ID: 480-91253-11 Client Sample ID: SS21-6

Date Analyzed: 11/19/15 01:12 Lab File ID: 12_349_280.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.23	Baseline Smoothing	owenj	11/19/15 12:00
PCB-1254 Peak 2	3.61	Baseline Smoothing	owenj	11/19/15 12:00
PCB-1254 Peak 3	3.69	Baseline Smoothing	owenj	11/19/15 12:00
PCB-1254 Peak 4	3.89	Baseline Smoothing	owenj	11/19/15 12:00

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: 480-91253-12 Client Sample ID: SS21-DUP

Date Analyzed: 11/19/15 01:28 Lab File ID: 12_349_281.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.22	Baseline Smoothing	owenj	11/19/15 12:17
PCB-1254 Peak 2	3.61	Baseline Smoothing	owenj	11/19/15 12:17
PCB-1254 Peak 3	3.69	Baseline Smoothing	owenj	11/19/15 12:17
PCB-1254 Peak 4	3.88	Baseline Smoothing	owenj	11/19/15 12:17

Lab Sample ID: 480-91253-14 Client Sample ID: SS21-8

Date Analyzed: 11/19/15 02:00 Lab File ID: 12_349_283.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.22	Baseline Smoothing	owenj	11/19/15 12:19
PCB-1254 Peak 2	3.61	Baseline Smoothing	owenj	11/19/15 12:19
PCB-1254 Peak 3	3.69	Baseline Smoothing	owenj	11/19/15 12:19
PCB-1254 Peak 4	3.88	Baseline Smoothing	owenj	11/19/15 12:19

Lab Sample ID: CCV 480-275686/50 Client Sample ID:

Date Analyzed: 11/19/15 02:15 Lab File ID: 12_349_284.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 10:37
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/19/15 10:37
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 10:37
PCB-1016 Peak 4	2.55	Split Peak	sobolk	11/19/15 10:37

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: 480-91253-19 Client Sample ID: SS7-5

Date Analyzed: 11/19/15 03:50 Lab File ID: 12_349_290.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.22	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1254 Peak 2	3.61	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1254 Peak 3	3.69	Baseline Smoothing	owenj	11/19/15 12:03
PCB-1254 Peak 4	3.89	Baseline Smoothing	owenj	11/19/15 12:03

Lab Sample ID: CCV 480-275686/58 Client Sample ID:

Date Analyzed: 11/19/15 04:22 Lab File ID: 12_349_292.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 10:38
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/19/15 10:38
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 10:38
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/19/15 10:38

Lab Sample ID: CCV 480-275686/58 Client Sample ID:

Date Analyzed: 11/19/15 04:22 Lab File ID: 12_349_292.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.92	Split Peak	sobolk	11/19/15 10:38
PCB-1260 Peak 2	4.23	Split Peak	sobolk	11/19/15 10:38
PCB-1260 Peak 3	4.37	Split Peak	sobolk	11/19/15 10:38
PCB-1260 Peak 4	4.69	Split Peak	sobolk	11/19/15 10:38

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: LCS 480-275663/2-A Client Sample ID:

Date Analyzed: 11/19/15 05:09 Lab File ID: 12_349_295.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 10:39
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/19/15 10:39
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 10:39
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/19/15 10:39

Lab Sample ID: LCSD 480-275663/3-A Client Sample ID:

Date Analyzed: 11/19/15 05:25 Lab File ID: 12_349_296.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 10:40
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/19/15 10:40
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 10:40
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/19/15 10:40

Lab Sample ID: CCV 480-275686/64 Client Sample ID:

Date Analyzed: 11/19/15 05:57 Lab File ID: 12_349_298.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/19/15 10:40
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/19/15 10:40
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/19/15 10:40
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/19/15 10:40

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 275686

Lab Sample ID: CCV 480-275686/64 Client Sample ID:

Date Analyzed: 11/19/15 05:57 Lab File ID: 12_349_298.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.92	Split Peak	sobolk	11/19/15 10:40
PCB-1260 Peak 2	4.23	Split Peak	sobolk	11/19/15 10:40
PCB-1260 Peak 3	4.37	Split Peak	sobolk	11/19/15 10:40
PCB-1260 Peak 4	4.69	Split Peak	sobolk	11/19/15 10:40

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-91253-1	SS20-1	Solid	11/17/2015 1055	11/18/2015 0200
480-91253-2	SS20-4	Solid	11/17/2015 1105	11/18/2015 0200
480-91253-3	SS20-5	Solid	11/17/2015 1125	11/18/2015 0200
480-91253-4	SS20-7	Solid	11/17/2015 0925	11/18/2015 0200
480-91253-5	SS20-8	Solid	11/17/2015 1115	11/18/2015 0200
480-91253-6	SS21-1	Solid	11/17/2015 1205	11/18/2015 0200
480-91253-7	SS21-2	Solid	11/17/2015 1215	11/18/2015 0200
480-91253-8	SS21-3	Solid	11/17/2015 1310	11/18/2015 0200
480-91253-9	SS21-4	Solid	11/17/2015 1315	11/18/2015 0200
480-91253-10	SS21-5	Solid	11/17/2015 1325	11/18/2015 0200
480-91253-11	SS21-6	Solid	11/17/2015 1335	11/18/2015 0200
480-91253-11MS	SS21-6	Solid	11/17/2015 1335	11/18/2015 0200
480-91253-11MSD	SS21-6	Solid	11/17/2015 1335	11/18/2015 0200
480-91253-12	SS21-DUP	Solid	11/17/2015 1210	11/18/2015 0200
480-91253-13	SS21-7	Solid	11/17/2015 1350	11/18/2015 0200
480-91253-14	SS21-8	Solid	11/17/2015 1355	11/18/2015 0200
480-91253-15	SS7-1	Solid	11/17/2015 1420	11/18/2015 0200
480-91253-16	SS7-2	Solid	11/17/2015 1435	11/18/2015 0200
480-91253-17	SS7-3	Solid	11/17/2015 1450	11/18/2015 0200
480-91253-18	SS7-4	Solid	11/17/2015 1505	11/18/2015 0200
480-91253-19	SS7-5	Solid	11/17/2015 1430	11/18/2015 0200
480-91253-19MS	SS7-5	Solid	11/17/2015 1430	11/18/2015 0200
480-91253-19MSD	SS7-5	Solid	11/17/2015 1430	11/18/2015 0200
480-91253-20	SS7-6	Solid	11/17/2015 1440	11/18/2015 0200
480-91253-21	SS7-7	Solid	11/17/2015 1500	11/18/2015 0200
480-91253-22	SS7-8	Solid	11/17/2015 1510	11/18/2015 0200
480-91253-23	SS7-DUP	Solid	11/17/2015 1455	11/18/2015 0200
480-91253-24	SS-RINSEBLANK	Water	11/17/2015 1645	11/18/2015 0200

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-91253-1	**SS20-1**					
PCB-1254		0.52		0.25	mg/Kg	8082A
Percent Moisture		3.6		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
480-91253-2	**SS20-4**					
PCB-1254		13		1.3	mg/Kg	8082A
Percent Moisture		8.6		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-91253-3	**SS20-5**					
PCB-1254		2.2		0.23	mg/Kg	8082A
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-91253-4	**SS20-7**					
Percent Moisture		4.2		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
480-91253-5	**SS20-8**					
PCB-1254		1.1		0.27	mg/Kg	8082A
Percent Moisture		7.6		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-91253-6	**SS21-1**					
PCB-1254		1.2		0.30	mg/Kg	8082A
Percent Moisture		20		0.10	%	Moisture
Percent Solids		80		0.10	%	Moisture
480-91253-7	**SS21-2**					
PCB-1254		1.5		0.30	mg/Kg	8082A
Percent Moisture		21		0.10	%	Moisture
Percent Solids		79		0.10	%	Moisture
480-91253-8	**SS21-3**					
PCB-1254		1.2		0.24	mg/Kg	8082A
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-91253-9	**SS21-4**					
PCB-1254		0.82		0.22	mg/Kg	8082A
Percent Moisture		14		0.10	%	Moisture
Percent Solids		86		0.10	%	Moisture
480-91253-10	**SS21-5**					
PCB-1254		1.6		0.22	mg/Kg	8082A
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
480-91253-11	**SS21-6**					
PCB-1254		0.87		0.25	mg/Kg	8082A
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture
480-91253-12	**SS21-DUP**					
PCB-1254		1.1		0.30	mg/Kg	8082A
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
480-91253-13	**SS21-7**					
PCB-1254		2.5		0.30	mg/Kg	8082A
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture
480-91253-14	**SS21-8**					
PCB-1254		0.75		0.27	mg/Kg	8082A
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture
480-91253-15	**SS7-1**					
PCB-1254		0.12	J	0.19	mg/Kg	8082A
Percent Moisture		9.0		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-91253-16	**SS7-2**					
Percent Moisture		9.6		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-91253-17	**SS7-3**					
Percent Moisture		7.1		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-91253-18	**SS7-4**					
PCB-1254		3.9		0.20	mg/Kg	8082A
Percent Moisture		8.7		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-91253-19	**SS7-5**					
PCB-1254		0.45		0.26	mg/Kg	8082A
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-91253-20	**SS7-6**					
PCB-1254		0.23		0.22	mg/Kg	8082A
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture
480-91253-21	**SS7-7**					
PCB-1254		1.2		0.23	mg/Kg	8082A
Percent Moisture		8.7		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-91253-22	**SS7-8**					
PCB-1254		2.2		0.23	mg/Kg	8082A
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-91253-23	**SS7-DUP**					
Percent Moisture		7.1		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

METHOD SUMMARY

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082A	
Ultrasonic Extraction	TAL BUF		SW846 3550C
Percent Moisture	TAL BUF	EPA Moisture	
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Method	Analyst	Analyst ID
SW846 8082A	Owen, Joshua M	JMO
EPA Moisture	Kolb, Chris M	CMK

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS20-1**

Lab Sample ID: 480-91253-1 | Date Sampled: 11/17/2015 1055
Client Matrix: Solid | % Moisture: 3.6 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.08 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 2203			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.049	0.25
PCB-1221		ND		0.049	0.25
PCB-1232		ND		0.049	0.25
PCB-1242		ND		0.049	0.25
PCB-1248		ND		0.049	0.25
PCB-1254		0.52		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	110		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS20-4**

Lab Sample ID: 480-91253-2 | Date Sampled: 11/17/2015 1105
Client Matrix: Solid | % Moisture: 8.6 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.12 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 2219			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.25	1.3
PCB-1221		ND		0.25	1.3
PCB-1232		ND		0.25	1.3
PCB-1242		ND		0.25	1.3
PCB-1248		ND		0.25	1.3
PCB-1254		13		0.60	1.3
PCB-1260		ND		0.60	1.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	148		60 - 154
DCB Decachlorobiphenyl	121		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS20-5**

Lab Sample ID: 480-91253-3 | Date Sampled: 11/17/2015 1125
Client Matrix: Solid | % Moisture: 10.5 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 2235			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		2.2		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS20-7**

Lab Sample ID: 480-91253-4 | Date Sampled: 11/17/2015 0925
Client Matrix: Solid | % Moisture: 4.2 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 2250			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.25
PCB-1221		ND		0.050	0.25
PCB-1232		ND		0.050	0.25
PCB-1242		ND		0.050	0.25
PCB-1248		ND		0.050	0.25
PCB-1254		ND		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	111		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS20-8

Lab Sample ID: 480-91253-5 Date Sampled: 11/17/2015 1115
Client Matrix: Solid % Moisture: 7.6 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 2338			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.052	0.27
PCB-1221		ND		0.052	0.27
PCB-1232		ND		0.052	0.27
PCB-1242		ND		0.052	0.27
PCB-1248		ND		0.052	0.27
PCB-1254		1.1		0.12	0.27
PCB-1260		ND		0.12	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS21-1**

Lab Sample ID: 480-91253-6 | Date Sampled: 11/17/2015 1205
Client Matrix: Solid | % Moisture: 19.7 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.06 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 2353			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.059	0.30
PCB-1221		ND		0.059	0.30
PCB-1232		ND		0.059	0.30
PCB-1242		ND		0.059	0.30
PCB-1248		ND		0.059	0.30
PCB-1254		1.2		0.14	0.30
PCB-1260		ND		0.14	0.30

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	95		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS21-2**

Lab Sample ID: 480-91253-7 | Date Sampled: 11/17/2015 1215
Client Matrix: Solid | % Moisture: 20.6 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.07 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0009			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.059	0.30
PCB-1221		ND		0.059	0.30
PCB-1232		ND		0.059	0.30
PCB-1242		ND		0.059	0.30
PCB-1248		ND		0.059	0.30
PCB-1254		1.5		0.14	0.30
PCB-1260		ND		0.14	0.30

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS21-3**

Lab Sample ID: 480-91253-8 | Date Sampled: 11/17/2015 1310
Client Matrix: Solid | % Moisture: 15.9 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.49 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0025			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		1.2		0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	93		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS21-4

Lab Sample ID: 480-91253-9 Date Sampled: 11/17/2015 1315
Client Matrix: Solid % Moisture: 14.5 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0041			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.22
PCB-1221		ND		0.044	0.22
PCB-1232		ND		0.044	0.22
PCB-1242		ND		0.044	0.22
PCB-1248		ND		0.044	0.22
PCB-1254		0.82		0.11	0.22
PCB-1260		ND		0.11	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS21-5

Lab Sample ID: 480-91253-10 Date Sampled: 11/17/2015 1325
Client Matrix: Solid % Moisture: 16.3 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.70 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0056			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		1.6		0.10	0.22
PCB-1260		ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		60 - 154
DCB Decachlorobiphenyl	103		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS21-6**

Lab Sample ID: 480-91253-11 | Date Sampled: 11/17/2015 1335
Client Matrix: Solid | % Moisture: 16.6 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.40 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0112			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.049	0.25
PCB-1221		ND		0.049	0.25
PCB-1232		ND		0.049	0.25
PCB-1242		ND		0.049	0.25
PCB-1248		ND		0.049	0.25
PCB-1254		0.87		0.12	0.25
PCB-1260		ND		0.12	0.25

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS21-DUP**

Lab Sample ID: 480-91253-12 | Date Sampled: 11/17/2015 1210
Client Matrix: Solid | % Moisture: 16.2 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0128			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.058	0.30
PCB-1221		ND		0.058	0.30
PCB-1232		ND		0.058	0.30
PCB-1242		ND		0.058	0.30
PCB-1248		ND		0.058	0.30
PCB-1254		1.1		0.14	0.30
PCB-1260		ND		0.14	0.30

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		60 - 154
DCB Decachlorobiphenyl	97		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS21-7**

Lab Sample ID: 480-91253-13 | Date Sampled: 11/17/2015 1350
Client Matrix: Solid | % Moisture: 17.4 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0144			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.059	0.30
PCB-1221		ND		0.059	0.30
PCB-1232		ND		0.059	0.30
PCB-1242		ND		0.059	0.30
PCB-1248		ND		0.059	0.30
PCB-1254		2.5		0.14	0.30
PCB-1260		ND		0.14	0.30

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	99		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS21-8**

Lab Sample ID: 480-91253-14 | Date Sampled: 11/17/2015 1355
Client Matrix: Solid | % Moisture: 17.6 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.22 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0200			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.053	0.27
PCB-1221		ND		0.053	0.27
PCB-1232		ND		0.053	0.27
PCB-1242		ND		0.053	0.27
PCB-1248		ND		0.053	0.27
PCB-1254		0.75		0.13	0.27
PCB-1260		ND		0.13	0.27

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	96		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS7-1

Lab Sample ID: 480-91253-15 Date Sampled: 11/17/2015 1420
Client Matrix: Solid % Moisture: 9.0 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.87 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0247			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.037	0.19
PCB-1221		ND		0.037	0.19
PCB-1232		ND		0.037	0.19
PCB-1242		ND		0.037	0.19
PCB-1248		ND		0.037	0.19
PCB-1254		0.12	J	0.090	0.19
PCB-1260		ND		0.090	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	100		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS7-2

Lab Sample ID: 480-91253-16 Date Sampled: 11/17/2015 1435
Client Matrix: Solid % Moisture: 9.6 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.49 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0303			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.043	0.22
PCB-1221		ND		0.043	0.22
PCB-1232		ND		0.043	0.22
PCB-1242		ND		0.043	0.22
PCB-1248		ND		0.043	0.22
PCB-1254		ND		0.10	0.22
PCB-1260		ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		60 - 154
DCB Decachlorobiphenyl	99		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: SS7-3

Lab Sample ID: 480-91253-17 | Date Sampled: 11/17/2015 1450
Client Matrix: Solid | % Moisture: 7.1 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.37 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0319			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		60 - 154
DCB Decachlorobiphenyl	106		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS7-4

Lab Sample ID: 480-91253-18 Date Sampled: 11/17/2015 1505
Client Matrix: Solid % Moisture: 8.7 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.75 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0334			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.039	0.20
PCB-1221		ND		0.039	0.20
PCB-1232		ND		0.039	0.20
PCB-1242		ND		0.039	0.20
PCB-1248		ND		0.039	0.20
PCB-1254		3.9		0.093	0.20
PCB-1260		ND		0.093	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	104		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: SS7-5

Lab Sample ID: 480-91253-19 | Date Sampled: 11/17/2015 1430
Client Matrix: Solid | % Moisture: 10.0 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.17 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0350			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.050	0.26
PCB-1221		ND		0.050	0.26
PCB-1232		ND		0.050	0.26
PCB-1242		ND		0.050	0.26
PCB-1248		ND		0.050	0.26
PCB-1254		0.45		0.12	0.26
PCB-1260		ND		0.12	0.26

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	109		60 - 154
DCB Decachlorobiphenyl	109		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS7-6**

Lab Sample ID: 480-91253-20 | Date Sampled: 11/17/2015 1440
Client Matrix: Solid | % Moisture: 18.4 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275611	Initial Weight/Volume:	+2.73 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0406			Injection Volume:	1 uL
Prep Date:	11/18/2015 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.22
PCB-1221		ND		0.044	0.22
PCB-1232		ND		0.044	0.22
PCB-1242		ND		0.044	0.22
PCB-1248		ND		0.044	0.22
PCB-1254		0.23		0.11	0.22
PCB-1260		ND		0.11	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		60 - 154
DCB Decachlorobiphenyl	102		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS7-7

Lab Sample ID: 480-91253-21 Date Sampled: 11/17/2015 1500
Client Matrix: Solid % Moisture: 8.7 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275569	Initial Weight/Volume:	+2.40 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 1909			Injection Volume:	1 uL
Prep Date:	11/18/2015 1006			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		1.2		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		60 - 154
DCB Decachlorobiphenyl	98		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: SS7-8

Lab Sample ID: 480-91253-22 Date Sampled: 11/17/2015 1510
Client Matrix: Solid % Moisture: 10.3 Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275569	Initial Weight/Volume:	+2.44 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 1925			Injection Volume:	1 uL
Prep Date:	11/18/2015 1006			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		2.2		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		60 - 154
DCB Decachlorobiphenyl	88		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91253-1

Client Sample ID: **SS7-DUP**

Lab Sample ID: 480-91253-23 | Date Sampled: 11/17/2015 1455
Client Matrix: Solid | % Moisture: 7.1 | Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-275569	Initial Weight/Volume:	+2.32 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2015 1941			Injection Volume:	1 uL
Prep Date:	11/18/2015 1006			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.045	0.23
PCB-1221		ND		0.045	0.23
PCB-1232		ND		0.045	0.23
PCB-1242		ND		0.045	0.23
PCB-1248		ND		0.045	0.23
PCB-1254		ND		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	101		65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Client Sample ID: **SS-RINSEBLANK**

Lab Sample ID: 480-91253-24 Date Sampled: 11/17/2015 1645
Client Matrix: Water Date Received: 11/18/2015 0200

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-275663	Initial Weight/Volume:	1041.3 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/19/2015 0541			Injection Volume:	1 uL
Prep Date:	11/18/2015 1324			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.48
PCB-1221	ND		0.17	0.48
PCB-1232	ND		0.17	0.48
PCB-1242	ND		0.17	0.48
PCB-1248	ND		0.17	0.48
PCB-1254	ND		0.24	0.48
PCB-1260	ND		0.24	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		19 - 125
Tetrachloro-m-xylene	72		24 - 137

General Chemistry

Client Sample ID: **SS20-1**

Lab Sample ID: 480-91253-1 Date Sampled: 11/17/2015 1055
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS20-4**

Lab Sample ID: 480-91253-2 Date Sampled: 11/17/2015 1105
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS20-5**

Lab Sample ID: 480-91253-3 Date Sampled: 11/17/2015 1125
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS20-7**

Lab Sample ID: 480-91253-4 Date Sampled: 11/17/2015 0925
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS20-8**

Lab Sample ID: 480-91253-5 Date Sampled: 11/17/2015 1115
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-1**

Lab Sample ID: 480-91253-6 Date Sampled: 11/17/2015 1205
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-2**

Lab Sample ID: 480-91253-7 Date Sampled: 11/17/2015 1215
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-3**

Lab Sample ID: 480-91253-8 Date Sampled: 11/17/2015 1310
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-4**

Lab Sample ID: 480-91253-9 Date Sampled: 11/17/2015 1315
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-5**

Lab Sample ID: 480-91253-10 Date Sampled: 11/17/2015 1325
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-6**

Lab Sample ID: 480-91253-11 Date Sampled: 11/17/2015 1335
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-DUP**

Lab Sample ID: 480-91253-12 Date Sampled: 11/17/2015 1210
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS21-7**

Lab Sample ID: 480-91253-13 Date Sampled: 11/17/2015 1350
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: SS21-8

Lab Sample ID: 480-91253-14 Date Sampled: 11/17/2015 1355
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-1**

Lab Sample ID: 480-91253-15 Date Sampled: 11/17/2015 1420
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-2**

Lab Sample ID: 480-91253-16 Date Sampled: 11/17/2015 1435
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: SS7-3

Lab Sample ID: 480-91253-17 Date Sampled: 11/17/2015 1450
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-4**

Lab Sample ID: 480-91253-18 Date Sampled: 11/17/2015 1505
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-5**

Lab Sample ID: 480-91253-19 Date Sampled: 11/17/2015 1430
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-6**

Lab Sample ID: 480-91253-20 Date Sampled: 11/17/2015 1440
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-7**

Lab Sample ID: 480-91253-21 Date Sampled: 11/17/2015 1500
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-8**

Lab Sample ID: 480-91253-22 Date Sampled: 11/17/2015 1510
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS7-DUP**

Lab Sample ID: 480-91253-23 Date Sampled: 11/17/2015 1455
Client Matrix: Solid Date Received: 11/18/2015 0200

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-275708	Analysis Date: 11/18/2015 1543						DryWt Corrected: N

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
480-91253-1	SS20-1	104	110
480-91253-2	SS20-4	148	121
480-91253-3	SS20-5	98	96
480-91253-4	SS20-7	111	100
480-91253-5	SS20-8	98	102
480-91253-6	SS21-1	97	95
480-91253-7	SS21-2	104	97
480-91253-8	SS21-3	100	93
480-91253-9	SS21-4	100	96
480-91253-10	SS21-5	101	103
480-91253-11	SS21-6	93	96
480-91253-12	SS21-DUP	99	97
480-91253-13	SS21-7	106	99
480-91253-14	SS21-8	98	96
480-91253-15	SS7-1	100	100
480-91253-16	SS7-2	98	99
480-91253-17	SS7-3	107	106
480-91253-18	SS7-4	105	104
480-91253-19	SS7-5	109	109
480-91253-20	SS7-6	105	102
480-91253-21	SS7-7	100	98
480-91253-22	SS7-8	86	88
480-91253-23	SS7-DUP	97	101
MB 480-275569/1-A		100	103
MB 480-275611/1-A		102	106
LCS 480-275569/2-A		115	118
LCS 480-275611/2-A		114	117
480-91253-11 MS	SS21-6 MS	105	115
480-91253-19 MS	SS7-5 MS	104	107

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	60-154
DCB = DCB Decachlorobiphenyl	65-174

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
480-91253-11 MSD	SS21-6 MSD	112	110
480-91253-19 MSD	SS7-5 MSD	114	119

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	60-154
DCB = DCB Decachlorobiphenyl	65-174

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
480-91253-24	SS-RINSEBLANK	72	71
MB 480-275663/1-A		77	49
LCS 480-275663/2-A		69	46
LCSD 480-275663/3-A		65	32

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	24-137
DCB = DCB Decachlorobiphenyl	19-125

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Method Blank - Batch: 480-275569

Method: 8082A
Preparation: 3550C

Lab Sample ID:	MB 480-275569/1-A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275569	Lab File ID:	12_349_238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.03 g
Analysis Date:	11/18/2015 1413	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0809			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.048	0.25
PCB-1221	ND		0.048	0.25
PCB-1232	ND		0.048	0.25
PCB-1242	ND		0.048	0.25
PCB-1248	ND		0.048	0.25
PCB-1254	ND		0.12	0.25
PCB-1260	ND		0.12	0.25

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	100	60 - 154
DCB Decachlorobiphenyl	103	65 - 174

Lab Control Sample - Batch: 480-275569

Method: 8082A
Preparation: 3550C

Lab Sample ID:	LCS 480-275569/2-A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275569	Lab File ID:	12_349_239.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.02 g
Analysis Date:	11/18/2015 1428	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0809			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	2.48	3.02	122	51 - 185	
PCB-1260	2.48	3.09	125	61 - 184	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	115	60 - 154
DCB Decachlorobiphenyl	118	65 - 174

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Method Blank - Batch: 480-275611

Method: 8082A
Preparation: 3550C

Lab Sample ID:	MB 480-275611/1-A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275611	Lab File ID:	12_349_262.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.09 g
Analysis Date:	11/18/2015 2028	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.047	0.24
PCB-1221	ND		0.047	0.24
PCB-1232	ND		0.047	0.24
PCB-1242	ND		0.047	0.24
PCB-1248	ND		0.047	0.24
PCB-1254	ND		0.11	0.24
PCB-1260	ND		0.11	0.24

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	102	60 - 154
DCB Decachlorobiphenyl	106	65 - 174

Lab Control Sample - Batch: 480-275611

Method: 8082A
Preparation: 3550C

Lab Sample ID:	LCS 480-275611/2-A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275611	Lab File ID:	12_349_263.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.36 g
Analysis Date:	11/18/2015 2044	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	2.12	2.55	120	51 - 185	
PCB-1260	2.12	2.55	120	61 - 184	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	114	60 - 154
DCB Decachlorobiphenyl	117	65 - 174

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-275611

Method: 8082A
Preparation: 3550C

MS Lab Sample ID:	480-91253-11	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275611	Lab File ID:	12_349_264.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.13 g
Analysis Date:	11/18/2015 2100			Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	480-91253-11	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275611	Lab File ID:	12_349_265.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.03 g
Analysis Date:	11/18/2015 2116			Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	114	121	50 - 177	10	50		
PCB-1260	141	173	33 - 200	25	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	105	112	60 - 154
DCB Decachlorobiphenyl	115	110	65 - 174

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-275611

Method: 8082A
Preparation: 3550C

MS Lab Sample ID:	480-91253-19	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275611	Lab File ID:	12_349_266.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.12 g
Analysis Date:	11/18/2015 2131			Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	480-91253-19	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-275611	Lab File ID:	12_349_267.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.17 g
Analysis Date:	11/18/2015 2147			Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	104	120	50 - 177	12	50		
PCB-1260	107	125	33 - 200	13	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	104	114	60 - 154
DCB Decachlorobiphenyl	107	119	65 - 174

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-275611

Method: 8082A
Preparation: 3550C

MS Lab Sample ID:	480-91253-11	Units: mg/Kg	MSD Lab Sample ID: 480-91253-11
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Analysis Date:	11/18/2015 2100		Analysis Date: 11/18/2015 2116
Prep Date:	11/18/2015 0953		Prep Date: 11/18/2015 0953
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	ND	2.81	2.95	3.22	3.57
PCB-1260	ND	2.81	2.95	3.95	5.10

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-275611

Method: 8082A
Preparation: 3550C

MS Lab Sample ID:	480-91253-19	Units: mg/Kg	MSD Lab Sample ID: 480-91253-19
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Analysis Date:	11/18/2015 2131		Analysis Date: 11/18/2015 2147
Prep Date:	11/18/2015 0953		Prep Date: 11/18/2015 0953
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	ND	2.62	2.56	2.73	3.08
PCB-1260	ND	2.62	2.56	2.81	3.21

Method Blank - Batch: 480-275663

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 480-275663/1-A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Water	Prep Batch:	480-275663	Lab File ID:	12_349_294.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/19/2015 0453	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 1324			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.18	0.50
PCB-1221	ND		0.18	0.50
PCB-1232	ND		0.18	0.50
PCB-1242	ND		0.18	0.50
PCB-1248	ND		0.18	0.50
PCB-1254	ND		0.25	0.50
PCB-1260	ND		0.25	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	77	24 - 137
DCB Decachlorobiphenyl	49	19 - 125

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-275663

Method: 8082A
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-275663/2-A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Water	Prep Batch:	480-275663	Lab File ID:	12_349_295.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/19/2015 0509	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 1324			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY
LCSD Lab Sample ID:	LCSD 480-275663/3-A	Analysis Batch:	480-275686	Instrument ID:	HP5890-12
Client Matrix:	Water	Prep Batch:	480-275663	Lab File ID:	12_349_296.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/19/2015 0525	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/18/2015 1324			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	92	83	62 - 130	10	50		
PCB-1260	66	57	56 - 123	15	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	46	32	19 - 125
Tetrachloro-m-xylene	69	65	24 - 137

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-275663

Method: 8082A
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-275663/2-A	Units: ug/L	LCSD Lab Sample ID:	LCSD 480-275663/3-A
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Analysis Date:	11/19/2015 0509		Analysis Date:	11/19/2015 0525
Prep Date:	11/18/2015 1324		Prep Date:	11/18/2015 1324
Leach Date:	N/A		Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	5.00	5.00	4.59	4.14
PCB-1260	5.00	5.00	3.31	2.85

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Lab Section	Qualifier	Description
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-275569					
LCS 480-275569/2-A	Lab Control Sample	T	Solid	3550C	
MB 480-275569/1-A	Method Blank	T	Solid	3550C	
480-91253-21	SS7-7	T	Solid	3550C	
480-91253-22	SS7-8	T	Solid	3550C	
480-91253-23	SS7-DUP	T	Solid	3550C	
Prep Batch: 480-275611					
LCS 480-275611/2-A	Lab Control Sample	T	Solid	3550C	
MB 480-275611/1-A	Method Blank	T	Solid	3550C	
480-91253-1	SS20-1	T	Solid	3550C	
480-91253-2	SS20-4	T	Solid	3550C	
480-91253-3	SS20-5	T	Solid	3550C	
480-91253-4	SS20-7	T	Solid	3550C	
480-91253-5	SS20-8	T	Solid	3550C	
480-91253-6	SS21-1	T	Solid	3550C	
480-91253-7	SS21-2	T	Solid	3550C	
480-91253-8	SS21-3	T	Solid	3550C	
480-91253-9	SS21-4	T	Solid	3550C	
480-91253-10	SS21-5	T	Solid	3550C	
480-91253-11	SS21-6	T	Solid	3550C	
480-91253-11MS	Matrix Spike	T	Solid	3550C	
480-91253-11MSD	Matrix Spike Duplicate	T	Solid	3550C	
480-91253-12	SS21-DUP	T	Solid	3550C	
480-91253-13	SS21-7	T	Solid	3550C	
480-91253-14	SS21-8	T	Solid	3550C	
480-91253-15	SS7-1	T	Solid	3550C	
480-91253-16	SS7-2	T	Solid	3550C	
480-91253-17	SS7-3	T	Solid	3550C	
480-91253-18	SS7-4	T	Solid	3550C	
480-91253-19	SS7-5	T	Solid	3550C	
480-91253-19MS	Matrix Spike	T	Solid	3550C	
480-91253-19MSD	Matrix Spike Duplicate	T	Solid	3550C	
480-91253-20	SS7-6	T	Solid	3550C	
Prep Batch: 480-275663					
LCS 480-275663/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-275663/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-275663/1-A	Method Blank	T	Water	3510C	
480-91253-24	SS-RINSEBLANK	T	Water	3510C	

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:480-275686					
LCS 480-275569/2-A	Lab Control Sample	T	Solid	8082A	480-275569
MB 480-275569/1-A	Method Blank	T	Solid	8082A	480-275569
LCS 480-275611/2-A	Lab Control Sample	T	Solid	8082A	480-275611
MB 480-275611/1-A	Method Blank	T	Solid	8082A	480-275611
LCS 480-275663/2-A	Lab Control Sample	T	Water	8082A	480-275663
LCSD 480-275663/3-A	Lab Control Sample Duplicate	T	Water	8082A	480-275663
MB 480-275663/1-A	Method Blank	T	Water	8082A	480-275663
480-91253-1	SS20-1	T	Solid	8082A	480-275611
480-91253-2	SS20-4	T	Solid	8082A	480-275611
480-91253-3	SS20-5	T	Solid	8082A	480-275611
480-91253-4	SS20-7	T	Solid	8082A	480-275611
480-91253-5	SS20-8	T	Solid	8082A	480-275611
480-91253-6	SS21-1	T	Solid	8082A	480-275611
480-91253-7	SS21-2	T	Solid	8082A	480-275611
480-91253-8	SS21-3	T	Solid	8082A	480-275611
480-91253-9	SS21-4	T	Solid	8082A	480-275611
480-91253-10	SS21-5	T	Solid	8082A	480-275611
480-91253-11	SS21-6	T	Solid	8082A	480-275611
480-91253-11MS	Matrix Spike	T	Solid	8082A	480-275611
480-91253-11MSD	Matrix Spike Duplicate	T	Solid	8082A	480-275611
480-91253-12	SS21-DUP	T	Solid	8082A	480-275611
480-91253-13	SS21-7	T	Solid	8082A	480-275611
480-91253-14	SS21-8	T	Solid	8082A	480-275611
480-91253-15	SS7-1	T	Solid	8082A	480-275611
480-91253-16	SS7-2	T	Solid	8082A	480-275611
480-91253-17	SS7-3	T	Solid	8082A	480-275611
480-91253-18	SS7-4	T	Solid	8082A	480-275611
480-91253-19	SS7-5	T	Solid	8082A	480-275611
480-91253-19MS	Matrix Spike	T	Solid	8082A	480-275611
480-91253-19MSD	Matrix Spike Duplicate	T	Solid	8082A	480-275611
480-91253-20	SS7-6	T	Solid	8082A	480-275611
480-91253-21	SS7-7	T	Solid	8082A	480-275569
480-91253-22	SS7-8	T	Solid	8082A	480-275569
480-91253-23	SS7-DUP	T	Solid	8082A	480-275569
480-91253-24	SS-RINSEBLANK	T	Water	8082A	480-275663

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-275708					
480-91253-1	SS20-1	T	Solid	Moisture	
480-91253-2	SS20-4	T	Solid	Moisture	
480-91253-3	SS20-5	T	Solid	Moisture	
480-91253-4	SS20-7	T	Solid	Moisture	
480-91253-5	SS20-8	T	Solid	Moisture	
480-91253-6	SS21-1	T	Solid	Moisture	
480-91253-7	SS21-2	T	Solid	Moisture	
480-91253-8	SS21-3	T	Solid	Moisture	
480-91253-9	SS21-4	T	Solid	Moisture	
480-91253-10	SS21-5	T	Solid	Moisture	
480-91253-11	SS21-6	T	Solid	Moisture	
480-91253-11MS	Matrix Spike	T	Solid	Moisture	
480-91253-11MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-91253-12	SS21-DUP	T	Solid	Moisture	
480-91253-13	SS21-7	T	Solid	Moisture	
480-91253-14	SS21-8	T	Solid	Moisture	
480-91253-15	SS7-1	T	Solid	Moisture	
480-91253-16	SS7-2	T	Solid	Moisture	
480-91253-17	SS7-3	T	Solid	Moisture	
480-91253-18	SS7-4	T	Solid	Moisture	
480-91253-19	SS7-5	T	Solid	Moisture	
480-91253-19MS	Matrix Spike	T	Solid	Moisture	
480-91253-19MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-91253-20	SS7-6	T	Solid	Moisture	
480-91253-21	SS7-7	T	Solid	Moisture	
480-91253-22	SS7-8	T	Solid	Moisture	
480-91253-23	SS7-DUP	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Laboratory Chronicle

Lab ID: 480-91253-1 **Client ID: SS20-1**

Sample Date/Time: 11/17/2015 10:55 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-1-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-1-A		480-275686	480-275611	11/18/2015 22:03	1	TAL BUF	JMO
A:Moisture	480-91253-A-1		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-2 **Client ID: SS20-4**

Sample Date/Time: 11/17/2015 11:05 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-2-A		480-275686	480-275611	11/18/2015 09:53	5	TAL BUF	CAM
A:8082A	480-91253-A-2-A		480-275686	480-275611	11/18/2015 22:19	5	TAL BUF	JMO
A:Moisture	480-91253-A-2		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-3 **Client ID: SS20-5**

Sample Date/Time: 11/17/2015 11:25 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-3-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-3-A		480-275686	480-275611	11/18/2015 22:35	1	TAL BUF	JMO
A:Moisture	480-91253-A-3		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-4 **Client ID: SS20-7**

Sample Date/Time: 11/17/2015 09:25 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-4-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-4-A		480-275686	480-275611	11/18/2015 22:50	1	TAL BUF	JMO
A:Moisture	480-91253-A-4		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-5 **Client ID: SS20-8**

Sample Date/Time: 11/17/2015 11:15 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-5-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-5-A		480-275686	480-275611	11/18/2015 23:38	1	TAL BUF	JMO
A:Moisture	480-91253-A-5		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Laboratory Chronicle

Lab ID: 480-91253-6 **Client ID: SS21-1**

Sample Date/Time: 11/17/2015 12:05 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-6-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-6-A		480-275686	480-275611	11/18/2015 23:53	1	TAL BUF	JMO
A:Moisture	480-91253-A-6		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-7 **Client ID: SS21-2**

Sample Date/Time: 11/17/2015 12:15 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-7-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-7-A		480-275686	480-275611	11/19/2015 00:09	1	TAL BUF	JMO
A:Moisture	480-91253-A-7		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-8 **Client ID: SS21-3**

Sample Date/Time: 11/17/2015 13:10 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-8-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-8-A		480-275686	480-275611	11/19/2015 00:25	1	TAL BUF	JMO
A:Moisture	480-91253-A-8		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-9 **Client ID: SS21-4**

Sample Date/Time: 11/17/2015 13:15 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-9-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-9-A		480-275686	480-275611	11/19/2015 00:41	1	TAL BUF	JMO
A:Moisture	480-91253-A-9		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-10 **Client ID: SS21-5**

Sample Date/Time: 11/17/2015 13:25 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-10-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-10-A		480-275686	480-275611	11/19/2015 00:56	1	TAL BUF	JMO
A:Moisture	480-91253-A-10		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Laboratory Chronicle

Lab ID: 480-91253-11 **Client ID: SS21-6**

Sample Date/Time: 11/17/2015 13:35 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-11-C		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-11-C		480-275686	480-275611	11/19/2015 01:12	1	TAL BUF	JMO
A:Moisture	480-91253-A-11		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-11 **Client ID: SS21-6**

Sample Date/Time: 11/17/2015 13:35 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-11-A MS		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-11-A MS		480-275686	480-275611	11/18/2015 21:00	1	TAL BUF	JMO
A:Moisture	480-91253-A-11 MS		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-11 **Client ID: SS21-6**

Sample Date/Time: 11/17/2015 13:35 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-11-B MSD		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-11-B MSD		480-275686	480-275611	11/18/2015 21:16	1	TAL BUF	JMO
A:Moisture	480-91253-A-11 MSD		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-12 **Client ID: SS21-DUP**

Sample Date/Time: 11/17/2015 12:10 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-12-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-12-A		480-275686	480-275611	11/19/2015 01:28	1	TAL BUF	JMO
A:Moisture	480-91253-A-12		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-13 **Client ID: SS21-7**

Sample Date/Time: 11/17/2015 13:50 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-13-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-13-A		480-275686	480-275611	11/19/2015 01:44	1	TAL BUF	JMO
A:Moisture	480-91253-A-13		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Laboratory Chronicle

Lab ID: 480-91253-14 **Client ID: SS21-8**

Sample Date/Time: 11/17/2015 13:55 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-14-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-14-A		480-275686	480-275611	11/19/2015 02:00	1	TAL BUF	JMO
A:Moisture	480-91253-A-14		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-15 **Client ID: SS7-1**

Sample Date/Time: 11/17/2015 14:20 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-15-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-15-A		480-275686	480-275611	11/19/2015 02:47	1	TAL BUF	JMO
A:Moisture	480-91253-A-15		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-16 **Client ID: SS7-2**

Sample Date/Time: 11/17/2015 14:35 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-16-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-16-A		480-275686	480-275611	11/19/2015 03:03	1	TAL BUF	JMO
A:Moisture	480-91253-A-16		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-17 **Client ID: SS7-3**

Sample Date/Time: 11/17/2015 14:50 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-17-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-17-A		480-275686	480-275611	11/19/2015 03:19	1	TAL BUF	JMO
A:Moisture	480-91253-A-17		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-18 **Client ID: SS7-4**

Sample Date/Time: 11/17/2015 15:05 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-18-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-18-A		480-275686	480-275611	11/19/2015 03:34	1	TAL BUF	JMO
A:Moisture	480-91253-A-18		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Laboratory Chronicle

Lab ID: 480-91253-19 **Client ID: SS7-5**

Sample Date/Time: 11/17/2015 14:30 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-19-C		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-19-C		480-275686	480-275611	11/19/2015 03:50	1	TAL BUF	JMO
A:Moisture	480-91253-A-19		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-19 **Client ID: SS7-5**

Sample Date/Time: 11/17/2015 14:30 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-19-A MS		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-19-A MS		480-275686	480-275611	11/18/2015 21:31	1	TAL BUF	JMO
A:Moisture	480-91253-A-19 MS		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-19 **Client ID: SS7-5**

Sample Date/Time: 11/17/2015 14:30 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-19-B MSD		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-19-B MSD		480-275686	480-275611	11/18/2015 21:47	1	TAL BUF	JMO
A:Moisture	480-91253-A-19 MSD		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-20 **Client ID: SS7-6**

Sample Date/Time: 11/17/2015 14:40 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-20-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	480-91253-A-20-A		480-275686	480-275611	11/19/2015 04:06	1	TAL BUF	JMO
A:Moisture	480-91253-A-20		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-21 **Client ID: SS7-7**

Sample Date/Time: 11/17/2015 15:00 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-21-A		480-275686	480-275569	11/18/2015 10:06	1	TAL BUF	CAM
A:8082A	480-91253-A-21-A		480-275686	480-275569	11/18/2015 19:09	1	TAL BUF	JMO
A:Moisture	480-91253-A-21		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Laboratory Chronicle

Lab ID: 480-91253-22 **Client ID: SS7-8**

Sample Date/Time: 11/17/2015 15:10 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-22-A		480-275686	480-275569	11/18/2015 10:06	1	TAL BUF	CAM
A:8082A	480-91253-A-22-A		480-275686	480-275569	11/18/2015 19:25	1	TAL BUF	JMO
A:Moisture	480-91253-A-22		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-23 **Client ID: SS7-DUP**

Sample Date/Time: 11/17/2015 14:55 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91253-A-23-A		480-275686	480-275569	11/18/2015 10:06	1	TAL BUF	CAM
A:8082A	480-91253-A-23-A		480-275686	480-275569	11/18/2015 19:41	1	TAL BUF	JMO
A:Moisture	480-91253-A-23		480-275708		11/18/2015 15:43	1	TAL BUF	CMK

Lab ID: 480-91253-24 **Client ID: SS-RINSEBLANK**

Sample Date/Time: 11/17/2015 16:45 Received Date/Time: 11/18/2015 02:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-91253-A-24-A		480-275686	480-275663	11/18/2015 13:24	1	TAL BUF	CPH
A:8082A	480-91253-A-24-A		480-275686	480-275663	11/19/2015 05:41	1	TAL BUF	JMO

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 480-275569/1-A		480-275686	480-275569	11/18/2015 08:09	1	TAL BUF	CAM
A:8082A	MB 480-275569/1-A		480-275686	480-275569	11/18/2015 14:13	1	TAL BUF	JMO
P:3550C	MB 480-275611/1-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	MB 480-275611/1-A		480-275686	480-275611	11/18/2015 20:28	1	TAL BUF	JMO
P:3510C	MB 480-275663/1-A		480-275686	480-275663	11/18/2015 13:24	1	TAL BUF	CPH
A:8082A	MB 480-275663/1-A		480-275686	480-275663	11/19/2015 04:53	1	TAL BUF	JMO

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 480-275569/2-A		480-275686	480-275569	11/18/2015 08:09	1	TAL BUF	CAM
A:8082A	LCS 480-275569/2-A		480-275686	480-275569	11/18/2015 14:28	1	TAL BUF	JMO
P:3550C	LCS 480-275611/2-A		480-275686	480-275611	11/18/2015 09:53	1	TAL BUF	CAM
A:8082A	LCS 480-275611/2-A		480-275686	480-275611	11/18/2015 20:44	1	TAL BUF	JMO
P:3510C	LCS 480-275663/2-A		480-275686	480-275663	11/18/2015 13:24	1	TAL BUF	CPH
A:8082A	LCS 480-275663/2-A		480-275686	480-275663	11/19/2015 05:09	1	TAL BUF	JMO

Client: Stantec Consulting Services Inc Job Number: 480-91253-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCSD 480-275663/3-A		480-275686	480-275663	11/18/2015 13:24	1	TAL BUF	CPH
A:8082A	LCSD 480-275663/3-A		480-275686	480-275663	11/19/2015 05:25	1	TAL BUF	JMO

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-91253-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Solid Level: Low

GC Column (2): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX2 #	DCB2 #
SS20-1	480-91253-1	104	110
SS20-4	480-91253-2	148	121
SS20-5	480-91253-3	98	96
SS20-7	480-91253-4	111	100
SS20-8	480-91253-5	98	102
SS21-1	480-91253-6	97	95
SS21-2	480-91253-7	104	97
SS21-3	480-91253-8	100	93
SS21-4	480-91253-9	100	96
SS21-5	480-91253-10	101	103
SS21-6	480-91253-11	93	96
SS21-DUP	480-91253-12	99	97
SS21-7	480-91253-13	106	99
SS21-8	480-91253-14	98	96
SS7-1	480-91253-15	100	100
SS7-2	480-91253-16	98	99
SS7-3	480-91253-17	107	106
SS7-4	480-91253-18	105	104
SS7-5	480-91253-19	109	109
SS7-6	480-91253-20	105	102
SS7-7	480-91253-21	100	98
SS7-8	480-91253-22	86	88
SS7-DUP	480-91253-23	97	101
	MB 480-275569/1-A	100	103
	MB 480-275611/1-A	102	106
	LCS 480-275569/2-A	115	118
	LCS 480-275611/2-A	114	117
SS21-6 MS	480-91253-11 MS	105	115
SS7-5 MS	480-91253-19 MS	104	107
SS21-6 MSD	480-91253-11 MSD	112	110
SS7-5 MSD	480-91253-19 MSD	114	119

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-154
DCB = DCB Decachlorobiphenyl	65-174

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX2 #	DCB2 #
SS-RINSEBLANK	480-91253-24	72	71
	MB 480-275663/1-A	77	49
	LCS 480-275663/2-A	69	46
	LCSD 480-275663/3-A	65	32

	QC LIMITS
TCX = Tetrachloro-m-xylene	24-137
DCB = DCB Decachlorobiphenyl	19-125

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_349_239.D

Lab ID: LCS 480-275569/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	2.48	3.02	122	51-185	
PCB-1260	2.48	3.09	125	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_349_263.D

Lab ID: LCS 480-275611/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	2.12	2.55	120	51-185	
PCB-1260	2.12	2.55	120	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_349_295.D

Lab ID: LCS 480-275663/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	5.00	4.59	92	62-130	
PCB-1260	5.00	3.31	66	56-123	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_349_296.D

Lab ID: LCSD 480-275663/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	5.00	4.14	83	10	50	62-130	
PCB-1260	5.00	2.85	57	15	50	56-123	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_349_264.D

Lab ID: 480-91253-11 MS Client ID: SS21-6 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	2.81	ND	3.22	114	50-177	
PCB-1260	2.81	ND	3.95	141	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_349_266.D

Lab ID: 480-91253-19 MS Client ID: SS7-5 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	2.62	ND	2.73	104	50-177	
PCB-1260	2.62	ND	2.81	107	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_349_265.D

Lab ID: 480-91253-11 MSD Client ID: SS21-6 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2.95	3.57	121	10	50	50-177	
PCB-1260	2.95	5.10	173	25	50	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_349_267.D

Lab ID: 480-91253-19 MSD Client ID: SS7-5 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2.56	3.08	120	12	50	50-177	
PCB-1260	2.56	3.21	125	13	50	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: MB 480-275569/1-A

Matrix: Solid Date Extracted: 11/18/2015 08:09

Lab File ID:(1) 12_349_238.D Lab File ID:(2) 12_349_238.D

Date Analyzed:(1) 11/18/2015 14:13 Date Analyzed:(2) 11/18/2015 14:13

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-5 ID: 0.25(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-275569/2-A	11/18/2015 14:28	11/18/2015 14:28
SS7-7	480-91253-21	11/18/2015 19:09	11/18/2015 19:09
SS7-8	480-91253-22	11/18/2015 19:25	11/18/2015 19:25
SS7-DUP	480-91253-23	11/18/2015 19:41	11/18/2015 19:41

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: MB 480-275611/1-A

Matrix: Solid Date Extracted: 11/18/2015 09:53

Lab File ID:(1) 12_349_262.D Lab File ID:(2) 12_349_262.D

Date Analyzed:(1) 11/18/2015 20:28 Date Analyzed:(2) 11/18/2015 20:28

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-5 ID: 0.25(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-275611/2-A	11/18/2015 20:44	11/18/2015 20:44
SS21-6 MS	480-91253-11 MS	11/18/2015 21:00	11/18/2015 21:00
SS21-6 MSD	480-91253-11 MSD	11/18/2015 21:16	11/18/2015 21:16
SS7-5 MS	480-91253-19 MS	11/18/2015 21:31	11/18/2015 21:31
SS7-5 MSD	480-91253-19 MSD	11/18/2015 21:47	11/18/2015 21:47
SS20-1	480-91253-1	11/18/2015 22:03	11/18/2015 22:03
SS20-4	480-91253-2	11/18/2015 22:19	11/18/2015 22:19
SS20-5	480-91253-3	11/18/2015 22:35	11/18/2015 22:35
SS20-7	480-91253-4	11/18/2015 22:50	11/18/2015 22:50
SS20-8	480-91253-5	11/18/2015 23:38	11/18/2015 23:38
SS21-1	480-91253-6	11/18/2015 23:53	11/18/2015 23:53
SS21-2	480-91253-7	11/19/2015 00:09	11/19/2015 00:09
SS21-3	480-91253-8	11/19/2015 00:25	11/19/2015 00:25
SS21-4	480-91253-9	11/19/2015 00:41	11/19/2015 00:41
SS21-5	480-91253-10	11/19/2015 00:56	11/19/2015 00:56
SS21-6	480-91253-11	11/19/2015 01:12	11/19/2015 01:12
SS21-DUP	480-91253-12	11/19/2015 01:28	11/19/2015 01:28
SS21-7	480-91253-13	11/19/2015 01:44	11/19/2015 01:44
SS21-8	480-91253-14	11/19/2015 02:00	11/19/2015 02:00
SS7-1	480-91253-15	11/19/2015 02:47	11/19/2015 02:47
SS7-2	480-91253-16	11/19/2015 03:03	11/19/2015 03:03
SS7-3	480-91253-17	11/19/2015 03:19	11/19/2015 03:19
SS7-4	480-91253-18	11/19/2015 03:34	11/19/2015 03:34
SS7-5	480-91253-19	11/19/2015 03:50	11/19/2015 03:50
SS7-6	480-91253-20	11/19/2015 04:06	11/19/2015 04:06

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: MB 480-275663/1-A

Matrix: Water Date Extracted: 11/18/2015 13:24

Lab File ID:(1) 12_349_294.D Lab File ID:(2) 12_349_294.D

Date Analyzed:(1) 11/19/2015 04:53 Date Analyzed:(2) 11/19/2015 04:53

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-5 ID: 0.25(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-275663/2-A	11/19/2015 05:09	11/19/2015 05:09
	LCSD 480-275663/3-A	11/19/2015 05:25	11/19/2015 05:25
SS-RINSEBLANK	480-91253-24	11/19/2015 05:41	11/19/2015 05:41

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-1 Lab Sample ID: 480-91253-1

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 22:03 Date Analyzed (2): 11/18/2015 22:03

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	2	3.61	3.58	3.64	0.242	0.33	46.0
		3	3.69	3.65	3.71	0.434		
		4	3.88	3.85	3.91	0.527		
	2	1	3.01	2.98	3.04	0.185	0.52	
		2	3.38	3.35	3.41	0.302		
		3	3.52	3.48	3.54	0.419		
		4	3.93	3.90	3.96	1.17		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-4 Lab Sample ID: 480-91253-2

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 22:19 Date Analyzed (2): 11/18/2015 22:19

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	3.02	7.9	49.5
		2	3.61	3.58	3.64	6.12		
		3	3.68	3.65	3.71	11.3		
		4	3.88	3.85	3.91	11.1		
	2	1	3.01	2.98	3.04	7.57	13	
		2	3.38	3.35	3.41	10.9		
		3	3.51	3.48	3.54	12.7		
		4	3.93	3.90	3.96	21.2		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-5 Lab Sample ID: 480-91253-3

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 22:35 Date Analyzed (2): 11/18/2015 22:35

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.405	1.3	55.7
		2	3.61	3.58	3.64	1.08		
		3	3.68	3.65	3.71	1.59		
		4	3.88	3.85	3.91	1.95		
	2	1	3.01	2.98	3.04	1.29	2.2	
		2	3.38	3.35	3.41	1.46		
		3	3.51	3.48	3.54	1.92		
		4	3.93	3.90	3.96	4.23		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-8 Lab Sample ID: 480-91253-5

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 23:38 Date Analyzed (2): 11/18/2015 23:38

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.191	0.63	50.3
		2	3.61	3.58	3.64	0.519		
		3	3.69	3.65	3.71	0.790		
		4	3.89	3.85	3.91	1.04		
	2	1	3.01	2.98	3.04	0.460	1.1	
		2	3.38	3.35	3.41	0.628		
		3	3.52	3.48	3.54	0.929		
		4	3.93	3.90	3.96	2.22		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-1 Lab Sample ID: 480-91253-6

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 23:53 Date Analyzed (2): 11/18/2015 23:53

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.660	0.74	45.8
		2	3.61	3.58	3.64	0.377		
		3	3.69	3.65	3.71	0.836		
		4	3.88	3.85	3.91	1.07		
	2	1	3.01	2.98	3.04	1.72	1.2	
		2	3.38	3.35	3.41	0.650		
		3	3.52	3.48	3.54	0.942		
		4	3.93	3.90	3.96	1.39		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-2 Lab Sample ID: 480-91253-7

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 00:09 Date Analyzed (2): 11/19/2015 00:09

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.662	0.90	49.3
		2	3.61	3.58	3.64	0.568		
		3	3.68	3.65	3.71	1.04		
		4	3.88	3.85	3.91	1.34		
	2	1	3.01	2.98	3.04	1.91	1.5	
		2	3.38	3.35	3.41	0.873		
		3	3.51	3.48	3.54	1.23		
		4	3.93	3.90	3.96	1.96		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-3 Lab Sample ID: 480-91253-8

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 00:25 Date Analyzed (2): 11/19/2015 00:25

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.588	0.84	35.2
		2	3.61	3.58	3.64	0.540		
		3	3.69	3.65	3.71	0.962		
		4	3.88	3.85	3.91	1.26		
	2	1	3.01	2.98	3.04	1.02	1.2	
		2	3.38	3.35	3.41	0.812		
		3	3.52	3.48	3.54	1.16		
		4	3.93	3.90	3.96	1.80		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-4 Lab Sample ID: 480-91253-9

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 00:41 Date Analyzed (2): 11/19/2015 00:41

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.433	0.65	23.2
		2	3.61	3.58	3.64	0.454		
		3	3.69	3.65	3.71	0.743		
		4	3.88	3.85	3.91	0.959		
	2	1	3.01	2.98	3.04	0.635	0.82	
		2	3.38	3.35	3.41	0.565		
		3	3.52	3.48	3.54	0.814		
		4	3.93	3.90	3.96	1.25		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-5 Lab Sample ID: 480-91253-10

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 00:56 Date Analyzed (2): 11/19/2015 00:56

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.675	0.92	51.2
		2	3.61	3.58	3.64	0.569		
		3	3.69	3.65	3.71	1.07		
		4	3.88	3.85	3.91	1.36		
	2	1	3.02	2.98	3.04	1.96	1.6	
		2	3.39	3.35	3.41	0.921		
		3	3.52	3.48	3.54	1.29		
		4	3.93	3.90	3.96	2.03		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-6 Lab Sample ID: 480-91253-11

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 01:12 Date Analyzed (2): 11/19/2015 01:12

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.23	3.19	3.25	0.352	0.57	40.4
		2	3.61	3.58	3.64	0.381		
		3	3.69	3.65	3.71	0.648		
		4	3.89	3.85	3.91	0.917		
	2	1	3.02	2.98	3.04	0.978	0.87	
		2	3.39	3.35	3.41	0.495		
		3	3.52	3.48	3.54	0.763		
		4	3.94	3.90	3.96	1.23		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-6 MS Lab Sample ID: 480-91253-11 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 21:00 Date Analyzed (2): 11/18/2015 21:00

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	3.29	3.11	3.3
		2	2.26	2.24	2.30	3.21		
		3	2.46	2.43	2.49	2.96		
		4	2.54	2.51	2.57	2.98		
	2	1	1.86	1.84	1.90	3.24	3.22	
		2	2.14	2.12	2.18	3.25		
		3	2.25	2.23	2.29	3.08		
		4	2.61	2.58	2.64	3.30		
PCB-1254	1	1	3.22	3.19	3.25	2.35	2.20	55.6
		2	3.60	3.58	3.64	0.870		
		3	3.68	3.65	3.71	1.91		
		4	3.87	3.85	3.91	3.66		
	2	1	3.01	2.98	3.04	2.81	3.89	
		2	3.39	3.35	3.41	2.78		
		3	3.51	3.48	3.54	3.71		
		4	3.92	3.90	3.96	6.28		
PCB-1260	1	1	4.05	4.03	4.09	4.51	3.74	5.7
		2	4.27	4.24	4.30	5.13		
		3	4.40	4.37	4.43	2.53		
		4	4.79	4.76	4.82	2.78		
	2	1	3.92	3.89	3.95	5.72	3.95	
		2	4.23	4.20	4.26	3.47		
		3	4.37	4.34	4.40	3.41		
		4	4.69	4.66	4.72	3.22		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-6 MSD Lab Sample ID: 480-91253-11 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 21:16 Date Analyzed (2): 11/18/2015 21:16

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	3.56	3.39	5.1
		2	2.26	2.24	2.30	3.48		
		3	2.46	2.43	2.49	3.23		
		4	2.54	2.51	2.57	3.28		
	2	1	1.86	1.84	1.90	3.51	3.57	
		2	2.14	2.12	2.18	3.61		
		3	2.25	2.23	2.29	3.43		
		4	2.61	2.58	2.64	3.72		
PCB-1254	1	1	3.22	3.19	3.25	2.75	2.60	71.1
		2	3.60	3.58	3.64	1.16		
		3	3.68	3.65	3.71	2.35		
		4	3.87	3.85	3.91	4.13		
	2	1	3.01	2.98	3.04	3.62	5.47	
		2	3.39	3.35	3.41	3.36		
		3	3.52	3.48	3.54	4.28		
		4	3.92	3.90	3.96	10.6		
PCB-1260	1	1	4.06	4.03	4.09	5.05	4.10	21.8
		2	4.27	4.24	4.30	5.72		
		3	4.41	4.37	4.43	2.66		
		4	4.79	4.76	4.82	2.96		
	2	1	3.92	3.89	3.95	9.67	5.10	
		2	4.23	4.20	4.26	3.72		
		3	4.37	4.34	4.40	3.57		
		4	4.69	4.66	4.72	3.43		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-DUP Lab Sample ID: 480-91253-12

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 01:28 Date Analyzed (2): 11/19/2015 01:28

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.467	0.66	51.3
		2	3.61	3.58	3.64	0.392		
		3	3.69	3.65	3.71	0.767		
		4	3.88	3.85	3.91	1.01		
	2	1	3.02	2.98	3.04	1.60	1.1	
		2	3.38	3.35	3.41	0.583		
		3	3.52	3.48	3.54	0.880		
		4	3.93	3.90	3.96	1.39		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-7 Lab Sample ID: 480-91253-13

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 01:44 Date Analyzed (2): 11/19/2015 01:44

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	1.34	1.7	34.3
		2	3.61	3.58	3.64	1.16		
		3	3.68	3.65	3.71	1.94		
		4	3.88	3.85	3.91	2.53		
	2	1	3.01	2.98	3.04	2.00	2.5	
		2	3.38	3.35	3.41	1.78		
		3	3.51	3.48	3.54	2.44		
		4	3.93	3.90	3.96	3.63		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-8 Lab Sample ID: 480-91253-14

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 02:00 Date Analyzed (2): 11/19/2015 02:00

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.308	0.46	48.0
		2	3.61	3.58	3.64	0.287		
		3	3.69	3.65	3.71	0.512		
		4	3.88	3.85	3.91	0.724		
	2	1	3.01	2.98	3.04	0.919	0.75	
		2	3.38	3.35	3.41	0.412		
		3	3.52	3.48	3.54	0.633		
		4	3.93	3.90	3.96	1.02		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-4 Lab Sample ID: 480-91253-18

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 03:34 Date Analyzed (2): 11/19/2015 03:34

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	2.14	2.8	33.1
		2	3.61	3.58	3.64	2.63		
		3	3.69	3.65	3.71	3.14		
		4	3.88	3.85	3.91	3.35		
	2	1	3.01	2.98	3.04	4.09	3.9	
		2	3.38	3.35	3.41	3.26		
		3	3.52	3.48	3.54	3.55		
		4	3.93	3.90	3.96	4.83		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-5 Lab Sample ID: 480-91253-19

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 03:50 Date Analyzed (2): 11/19/2015 03:50

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.203	0.39	15.9
		2	3.61	3.58	3.64	0.287		
		3	3.69	3.65	3.71	0.409		
		4	3.89	3.85	3.91	0.648		
	2	1	3.02	2.98	3.04	0.371	0.45	
		2	3.39	3.35	3.41	0.270		
		3	3.52	3.48	3.54	0.438		
		4	3.93	3.90	3.96	0.736		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-5 MS Lab Sample ID: 480-91253-19 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 21:31 Date Analyzed (2): 11/18/2015 21:31

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	2.78	2.62	4.2
		2	2.26	2.24	2.30	2.64		
		3	2.46	2.43	2.49	2.50		
		4	2.54	2.51	2.57	2.54		
	2	1	1.86	1.84	1.90	2.72	2.73	
		2	2.15	2.12	2.18	2.78		
		3	2.26	2.23	2.29	2.65		
		4	2.61	2.58	2.64	2.77		
PCB-1254	1	1	3.22	3.19	3.25	1.54	1.25	57.0
		2	3.61	3.58	3.64	0.310		
		3	3.68	3.65	3.71	0.910		
		4	3.87	3.85	3.91	2.24		
	2	1	3.01	2.98	3.04	1.22	2.24	
		2	3.40	3.35	3.41	1.66		
		3	3.52	3.48	3.54	2.25		
		4	3.92	3.90	3.96	3.85		
PCB-1260	1	1	4.05	4.03	4.09	2.99	2.77	1.6
		2	4.27	4.24	4.30	3.27		
		3	4.41	4.37	4.43	2.51		
		4	4.79	4.76	4.82	2.30		
	2	1	3.92	3.89	3.95	3.50	2.81	
		2	4.23	4.20	4.26	2.53		
		3	4.37	4.34	4.40	2.67		
		4	4.69	4.66	4.72	2.54		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-5 MSD Lab Sample ID: 480-91253-19 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 21:47 Date Analyzed (2): 11/18/2015 21:47

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	3.11	2.94	4.5
		2	2.26	2.24	2.30	2.97		
		3	2.46	2.43	2.49	2.83		
		4	2.54	2.51	2.57	2.86		
	2	1	1.86	1.84	1.90	3.01	3.08	
		2	2.15	2.12	2.18	3.17		
		3	2.25	2.23	2.29	2.96		
		4	2.61	2.58	2.64	3.18		
PCB-1254	1	1	3.22	3.19	3.25	1.75	1.39	58.6
		2	3.61	3.58	3.64	0.340		
		3	3.68	3.65	3.71	0.991		
		4	3.87	3.85	3.91	2.47		
	2	1	3.01	2.98	3.04	1.38	2.54	
		2	3.40	3.35	3.41	1.86		
		3	3.52	3.48	3.54	2.52		
		4	3.93	3.90	3.96	4.39		
PCB-1260	1	1	4.06	4.03	4.09	3.35	3.05	5.3
		2	4.28	4.24	4.30	3.66		
		3	4.41	4.37	4.43	2.77		
		4	4.80	4.76	4.82	2.41		
	2	1	3.93	3.89	3.95	4.00	3.21	
		2	4.23	4.20	4.26	2.84		
		3	4.37	4.34	4.40	3.07		
		4	4.69	4.66	4.72	2.95		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-6 Lab Sample ID: 480-91253-20

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 04:06 Date Analyzed (2): 11/19/2015 04:06

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	2	3.61	3.58	3.64	0.111	0.17	29.6
		3	3.69	3.65	3.71	0.195		
		4	3.88	3.85	3.91	0.284		
	2	1	3.01	2.98	3.04	0.169	0.23	
		2	3.38	3.35	3.41	0.120		
		3	3.51	3.48	3.54	0.212		
		4	3.93	3.90	3.96	0.409		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-7 Lab Sample ID: 480-91253-21

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 19:09 Date Analyzed (2): 11/18/2015 19:09

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.765	0.95	23.7
		2	3.60	3.58	3.64	0.885		
		3	3.68	3.65	3.71	1.10		
		4	3.88	3.85	3.91	1.07		
	2	1	3.00	2.98	3.04	1.36	1.2	
		2	3.37	3.35	3.41	0.957		
		3	3.51	3.48	3.54	1.02		
		4	3.93	3.90	3.96	1.50		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-8 Lab Sample ID: 480-91253-22

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 19:25 Date Analyzed (2): 11/18/2015 19:25

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	1.27	1.7	29.1
		2	3.61	3.58	3.64	1.53		
		3	3.68	3.65	3.71	1.81		
		4	3.88	3.85	3.91	2.00		
	2	1	3.01	2.98	3.04	2.46	2.2	
		2	3.38	3.35	3.41	1.70		
		3	3.51	3.48	3.54	1.97		
		4	3.93	3.90	3.96	2.74		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-275569/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 14:28 Date Analyzed (2): 11/18/2015 14:28

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	2.76	2.76	8.9
		2	2.27	2.24	2.30	2.87		
		3	2.46	2.43	2.49	2.70		
		4	2.54	2.51	2.57	2.70		
	2	1	1.86	1.83	1.89	2.96	3.02	
		2	2.15	2.12	2.18	3.05		
		3	2.26	2.23	2.29	2.93		
		4	2.61	2.58	2.64	3.11		
PCB-1260	1	1	4.06	4.03	4.09	3.18	2.98	3.7
		2	4.28	4.25	4.31	3.51		
		3	4.41	4.38	4.44	2.70		
		4	4.80	4.77	4.83	2.51		
	2	1	3.93	3.89	3.95	3.78	3.09	
		2	4.23	4.20	4.26	2.79		
		3	4.37	4.34	4.40	2.94		
		4	4.69	4.66	4.72	2.85		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-275611/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/18/2015 20:44 Date Analyzed (2): 11/18/2015 20:44

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	2.33	2.35	8.1
		2	2.26	2.24	2.30	2.44		
		3	2.46	2.43	2.49	2.31		
		4	2.54	2.51	2.57	2.31		
	2	1	1.86	1.84	1.90	2.51	2.55	
		2	2.15	2.12	2.18	2.58		
		3	2.26	2.23	2.29	2.46		
		4	2.61	2.59	2.65	2.63		
PCB-1260	1	1	4.06	4.03	4.09	2.64	2.44	4.1
		2	4.27	4.25	4.31	2.92		
		3	4.41	4.39	4.45	2.18		
		4	4.79	4.77	4.83	2.04		
	2	1	3.92	3.90	3.96	3.14	2.55	
		2	4.23	4.21	4.27	2.30		
		3	4.37	4.35	4.41	2.44		
		4	4.69	4.67	4.73	2.31		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-275663/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 05:09 Date Analyzed (2): 11/19/2015 05:09

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	4.41	4.51	1.6
		2	2.27	2.24	2.30	4.85		
		3	2.46	2.43	2.49	4.28		
		4	2.54	2.51	2.57	4.52		
	2	1	1.86	1.84	1.90	4.62	4.59	
		2	2.15	2.12	2.18	4.55		
		3	2.26	2.23	2.29	4.46		
		4	2.61	2.58	2.64	4.71		
PCB-1260	1	1	4.06	4.03	4.09	4.10	3.67	10.4
		2	4.27	4.24	4.30	4.50		
		3	4.41	4.37	4.43	3.20		
		4	4.79	4.76	4.82	2.87		
	2	1	3.92	3.89	3.95	4.52	3.31	
		2	4.23	4.20	4.26	3.08		
		3	4.37	4.34	4.40	3.02		
		4	4.69	4.66	4.72	2.61		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-275663/3-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/19/2015 05:25 Date Analyzed (2): 11/19/2015 05:25

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	3.85	3.86	7.1
		2	2.27	2.24	2.30	4.00		
		3	2.46	2.43	2.49	3.71		
		4	2.54	2.51	2.57	3.87		
	2	1	1.86	1.84	1.90	4.23	4.14	
		2	2.15	2.12	2.18	4.05		
		3	2.26	2.23	2.29	4.02		
		4	2.62	2.58	2.64	4.27		
PCB-1260	1	1	4.06	4.03	4.09	3.44	3.03	6.1
		2	4.27	4.24	4.30	3.85		
		3	4.41	4.37	4.43	2.58		
		4	4.79	4.76	4.82	2.26		
	2	1	3.92	3.89	3.95	3.89	2.85	
		2	4.23	4.20	4.26	2.62		
		3	4.37	4.34	4.40	2.61		
		4	4.69	4.66	4.72	2.29		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-1 | Lab Sample ID: 480-91253-1

Matrix: Solid | Lab File ID: 12_349_268.D

Analysis Method: 8082A | Date Collected: 11/17/2015 10:55

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.08(g) | Date Analyzed: 11/18/2015 22:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 3.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.25	0.049
11104-28-2	PCB-1221	ND		0.25	0.049
11141-16-5	PCB-1232	ND		0.25	0.049
53469-21-9	PCB-1242	ND		0.25	0.049
12672-29-6	PCB-1248	ND		0.25	0.049
11097-69-1	PCB-1254	0.52		0.25	0.12
11096-82-5	PCB-1260	ND		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		60-154
2051-24-3	DCB Decachlorobiphenyl	110		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_268.D
Lims ID: 480-91253-A-1-A Lab Sample ID: 480-91253-1
Client ID: SS20-1
Sample Type: Client
Inject. Date: 18-Nov-2015 22:03:28 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:44:04 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: owenj Date: 19-Nov-2015 12:05:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.583	1.583	0.000	57644	0.0205	
2	1.223	1.223	0.000	31224	0.0208	
					RPD = 1.09	
8 PCB-1254						
1	3.219	3.217	0.002	4202	0.0196	
1	3.608	3.605	0.003	7956	0.0486	
1	3.685	3.682	0.003	18380	0.0870	
1	3.880	3.879	0.001	23235	0.1057	
		Average of Peak Amounts =			0.0653	
2	3.009	3.006	0.003	4950	0.0370	
2	3.381	3.377	0.004	11736	0.0607	
2	3.517	3.511	0.006	15650	0.0839	
2	3.929	3.928	0.001	33707	0.2354	
		Average of Peak Amounts =			0.1043	
					RPD = 46.02	
$ 12 DCB Decachlorobiphenyl						
1	6.091	6.085	0.006	58951	0.0170	
2	5.572	5.565	0.007	57950	0.0219	
					RPD = 25.43	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

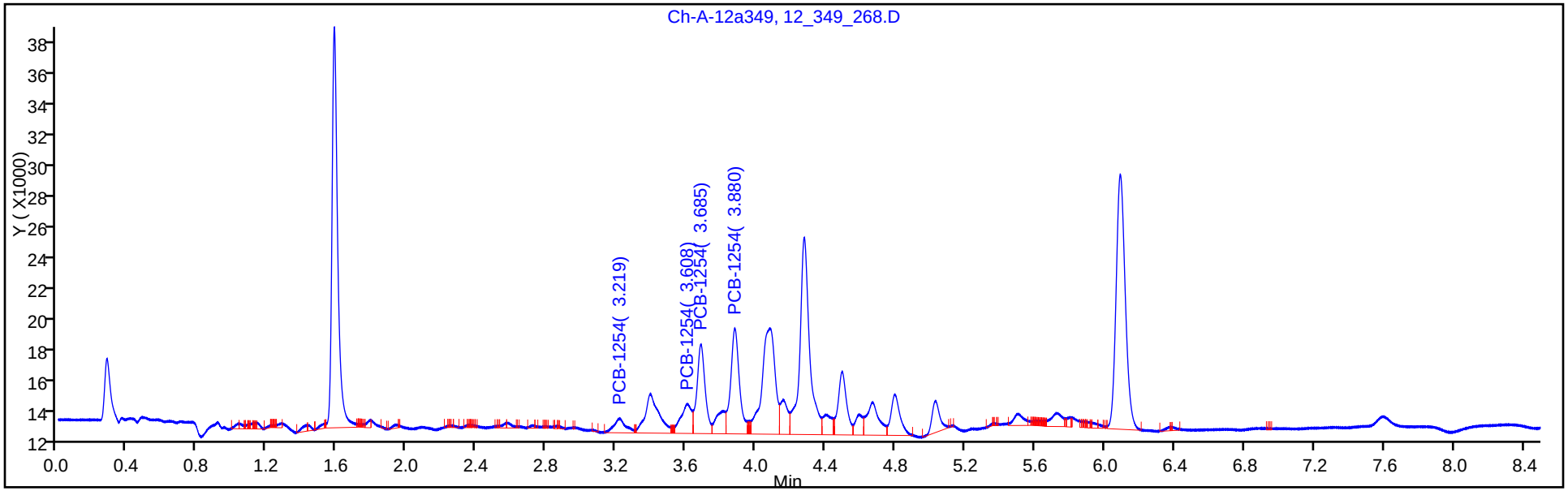
Report Date: 19-Nov-2015 12:44:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

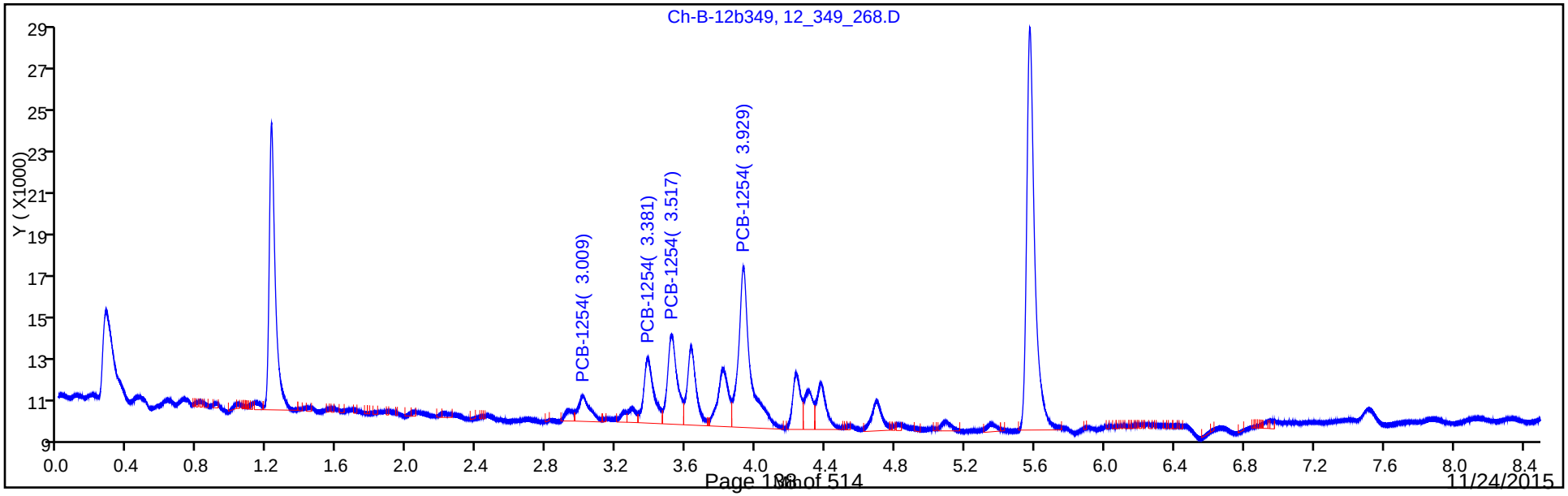
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_268.D

Injection Date:	18-Nov-2015 22:03:28	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-1-A	Lab Sample ID:	480-91253-1	Worklist Smp#:	34
Client ID:	SS20-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:44:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

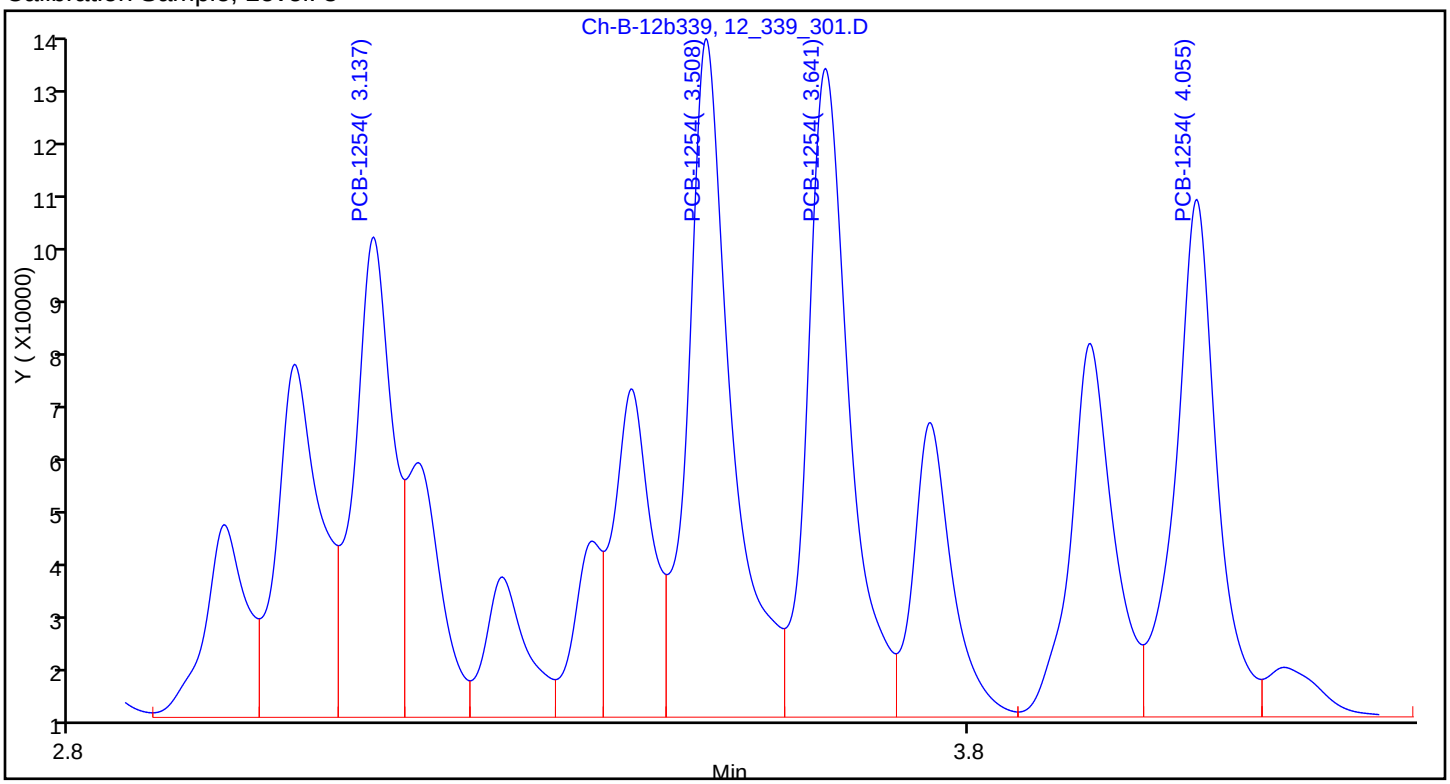
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_268.D

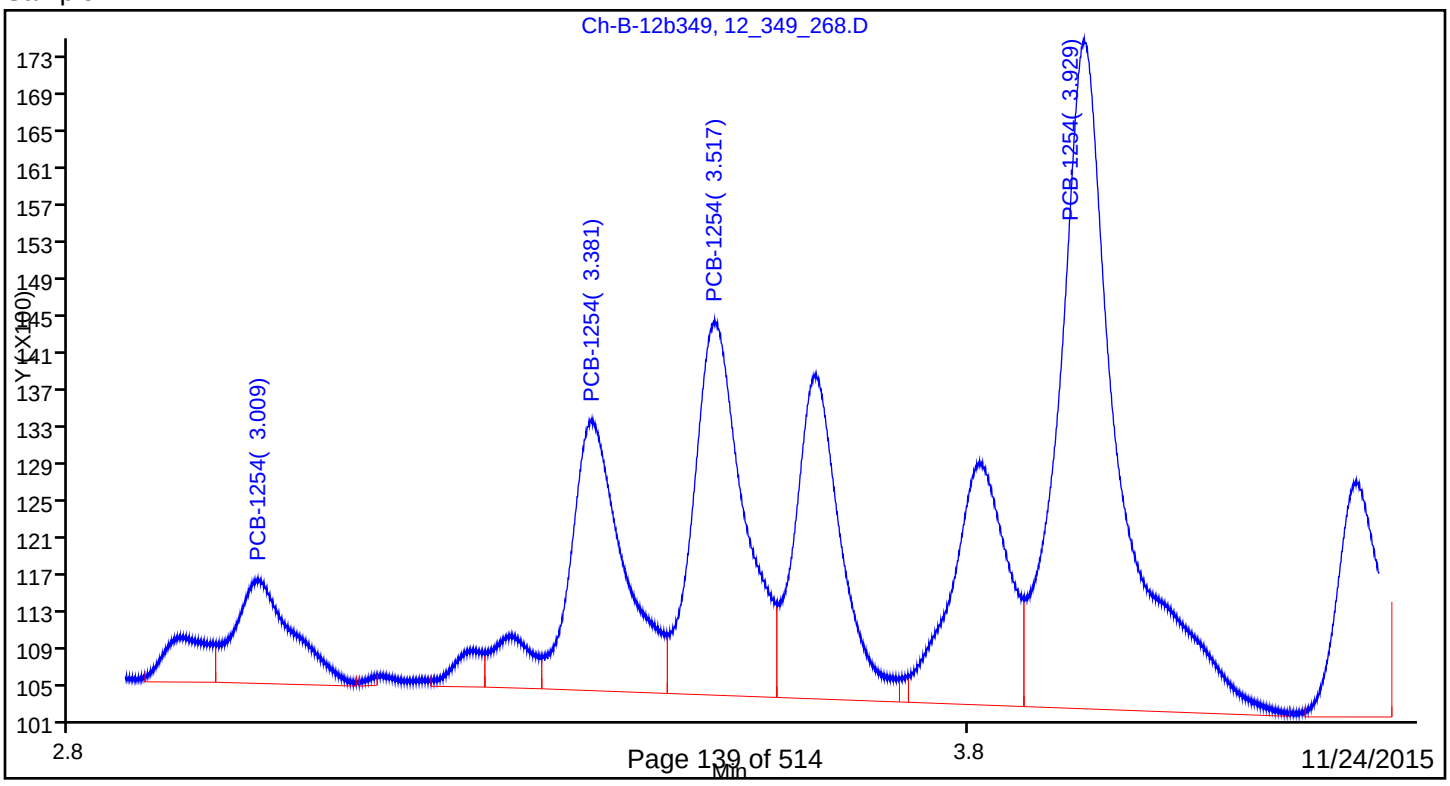
Injection Date:	18-Nov-2015 22:03:28	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-1-A	Lab Sample ID:	480-91253-1		
Client ID:	SS20-1				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-4 | Lab Sample ID: 480-91253-2

Matrix: Solid | Lab File ID: 12_349_269.D

Analysis Method: 8082A | Date Collected: 11/17/2015 11:05

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.12(g) | Date Analyzed: 11/18/2015 22:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 8.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.3	0.25
11104-28-2	PCB-1221	ND		1.3	0.25
11141-16-5	PCB-1232	ND		1.3	0.25
53469-21-9	PCB-1242	ND		1.3	0.25
12672-29-6	PCB-1248	ND		1.3	0.25
11097-69-1	PCB-1254	13		1.3	0.60
11096-82-5	PCB-1260	ND		1.3	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	148		60-154
2051-24-3	DCB Decachlorobiphenyl	121		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_269.D
Lims ID: 480-91253-A-2-A Lab Sample ID: 480-91253-2
Client ID: SS20-4
Sample Type: Client
Inject. Date: 18-Nov-2015 22:19:13 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:06:47 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:06:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	10673	0.003804	
2	1.226	1.223	0.003	8904	0.005923	
					RPD = 43.57	
8 PCB-1254						
1	3.219	3.217	0.002	25076	0.1172	
1	3.607	3.605	0.002	38830	0.2372	
1	3.682	3.682	0.000	92408	0.4376	
1	3.879	3.879	0.000	94949	0.4321	
		Average of Peak Amounts =			0.3060	
2	3.007	3.006	0.001	39255	0.2937	
2	3.377	3.377	0.000	81897	0.4233	
2	3.513	3.511	0.002	91526	0.4909	
2	3.928	3.928	0.000	117671	0.8218	
		Average of Peak Amounts =			0.5074	
					RPD = 49.52	
$ 12 DCB Decachlorobiphenyl						
1	6.094	6.085	0.009	11100	0.003197	
2	5.577	5.565	0.012	12836	0.004857	
					RPD = 41.22	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

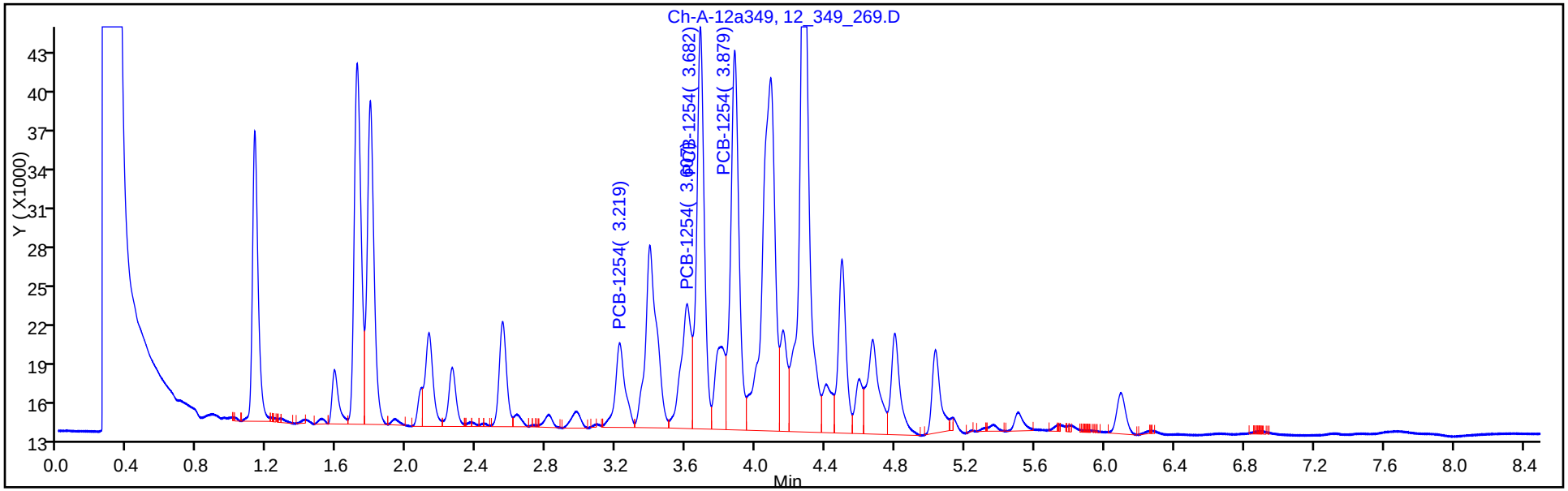
Report Date: 19-Nov-2015 12:06:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

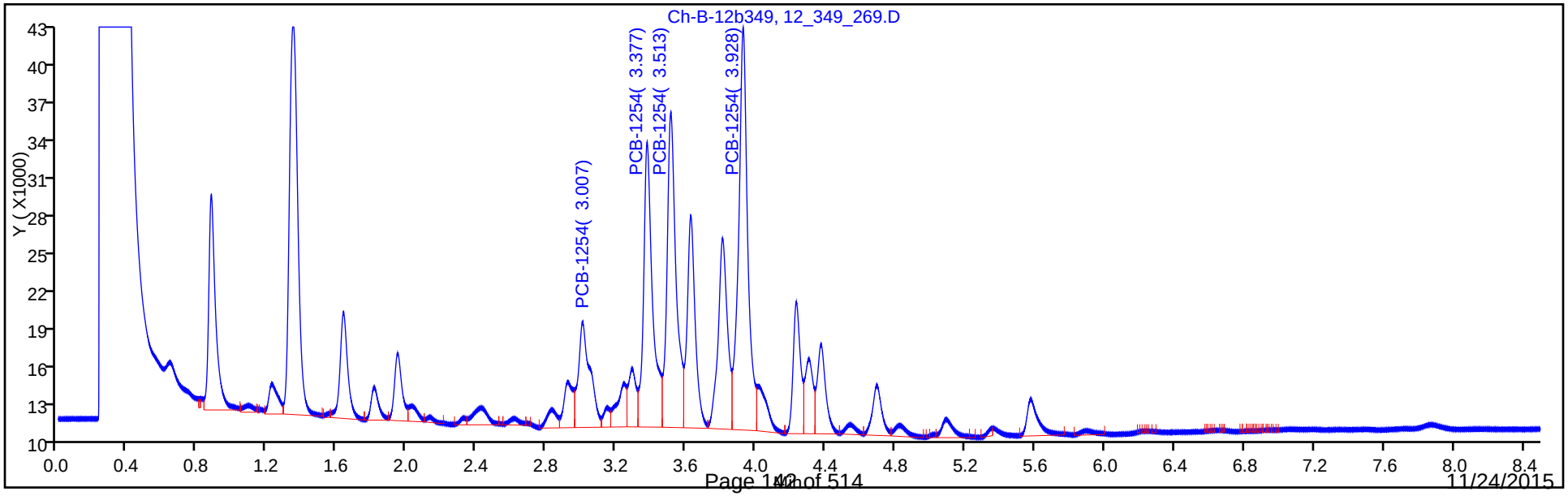
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_269.D

Injection Date:	18-Nov-2015 22:19:13	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-2-A	Lab Sample ID:	480-91253-2	Worklist Smp#:	35
Client ID:	SS20-4				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:06:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

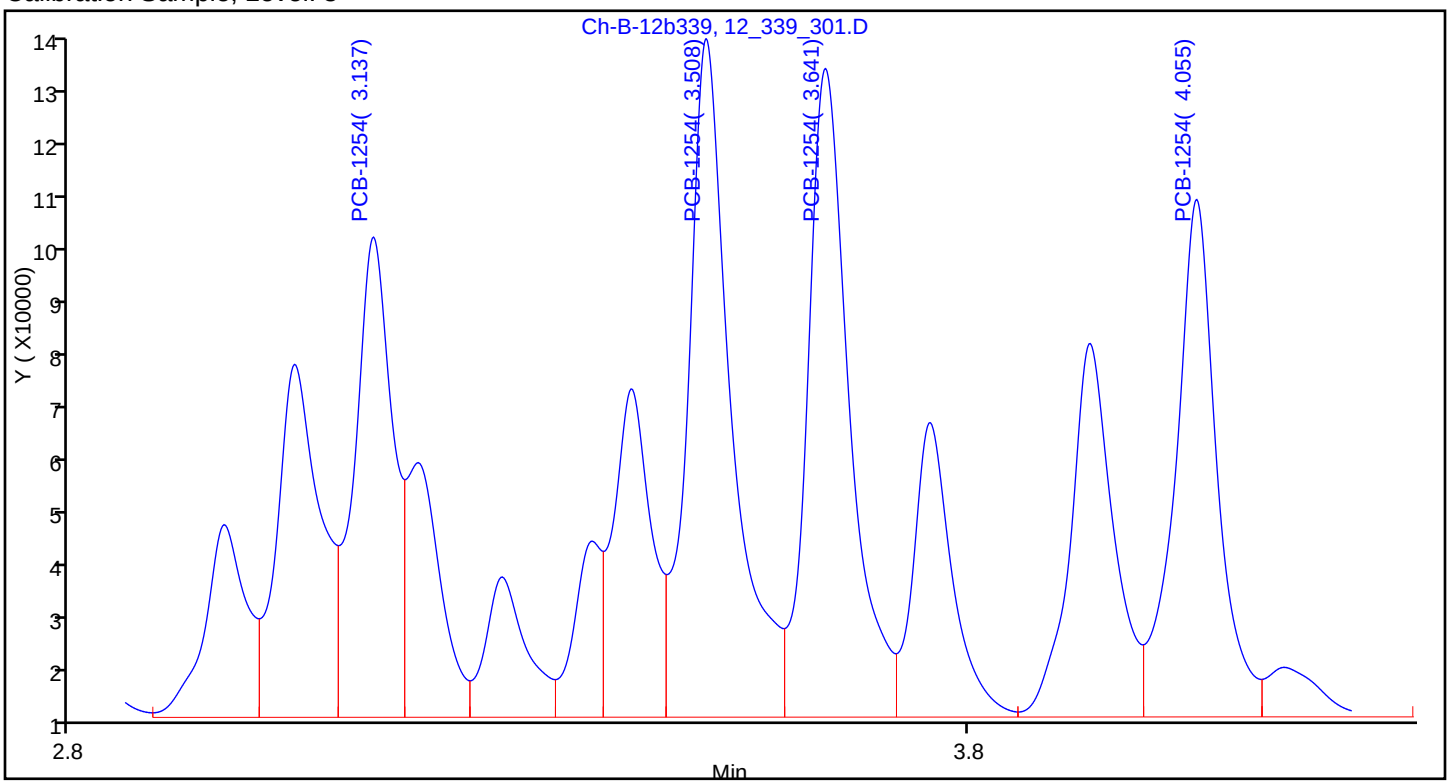
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_269.D

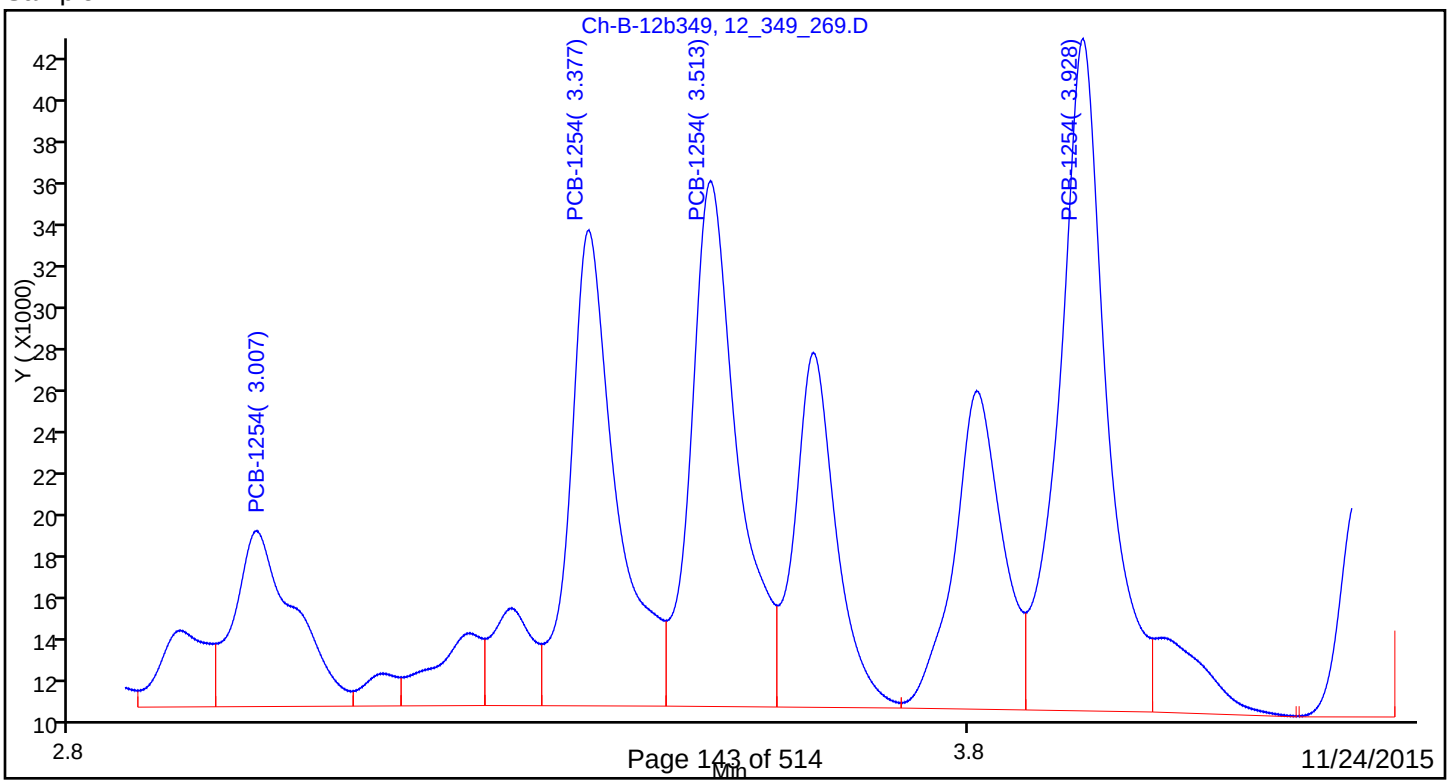
Injection Date:	18-Nov-2015 22:19:13	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-2-A	Lab Sample ID:	480-91253-2		
Client ID:	SS20-4				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-5 | Lab Sample ID: 480-91253-3

Matrix: Solid | Lab File ID: 12_349_270.D

Analysis Method: 8082A | Date Collected: 11/17/2015 11:25

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.43(g) | Date Analyzed: 11/18/2015 22:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	ND		0.23	0.045
11097-69-1	PCB-1254	2.2		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		60-154
2051-24-3	DCB Decachlorobiphenyl	96		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_270.D
Lims ID: 480-91253-A-3-A Lab Sample ID: 480-91253-3
Client ID: SS20-5
Sample Type: Client
Inject. Date: 18-Nov-2015 22:35:03 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:07:38 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:07:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.583	1.583	0.000	54170	0.0193	
2	1.223	1.223	0.000	29325	0.0195	
					RPD = 1.03	
8 PCB-1254						
1	3.223	3.217	0.006	18862	0.0881	
1	3.607	3.605	0.002	38551	0.2355	
1	3.684	3.682	0.002	72826	0.3448	
1	3.881	3.879	0.002	93088	0.4236	
		Average of Peak Amounts =			0.2730	
2	3.009	3.006	0.003	37545	0.2809	
2	3.379	3.377	0.002	61385	0.3173	
2	3.513	3.511	0.002	77668	0.4166	
2	3.929	3.928	0.001	131861	0.9209	
		Average of Peak Amounts =			0.4839	
					RPD = 55.72	
$ 12 DCB Decachlorobiphenyl						
1	6.098	6.085	0.013	57205	0.0165	
2	5.577	5.565	0.012	50982	0.0193	
					RPD = 15.74	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

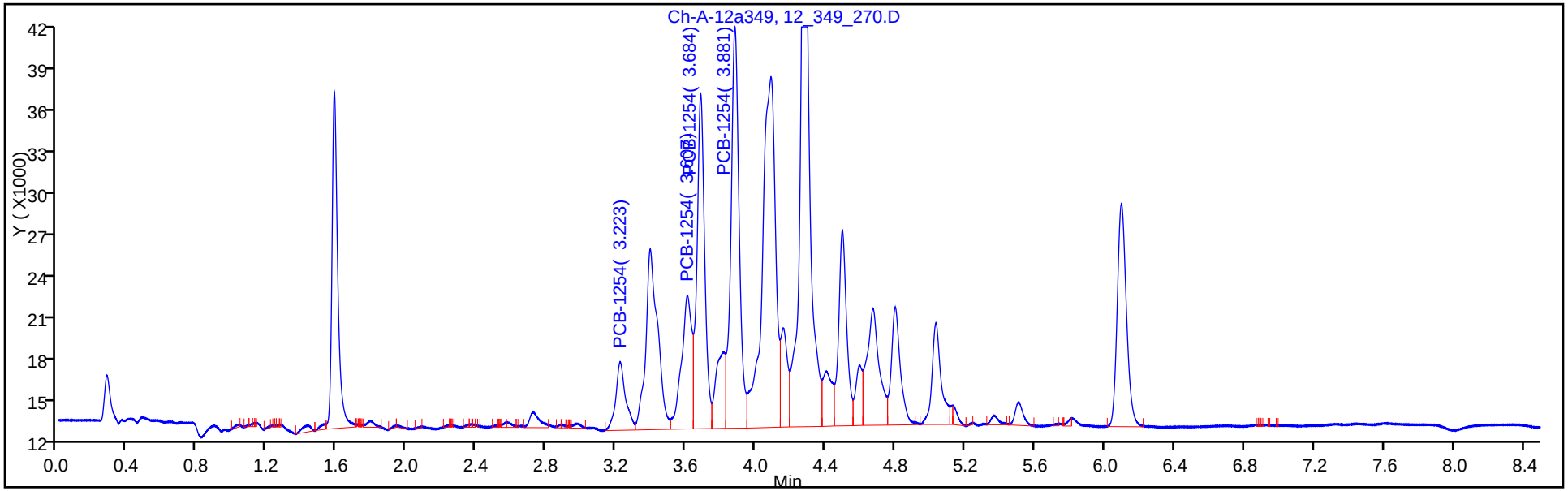
Report Date: 19-Nov-2015 12:07:39 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

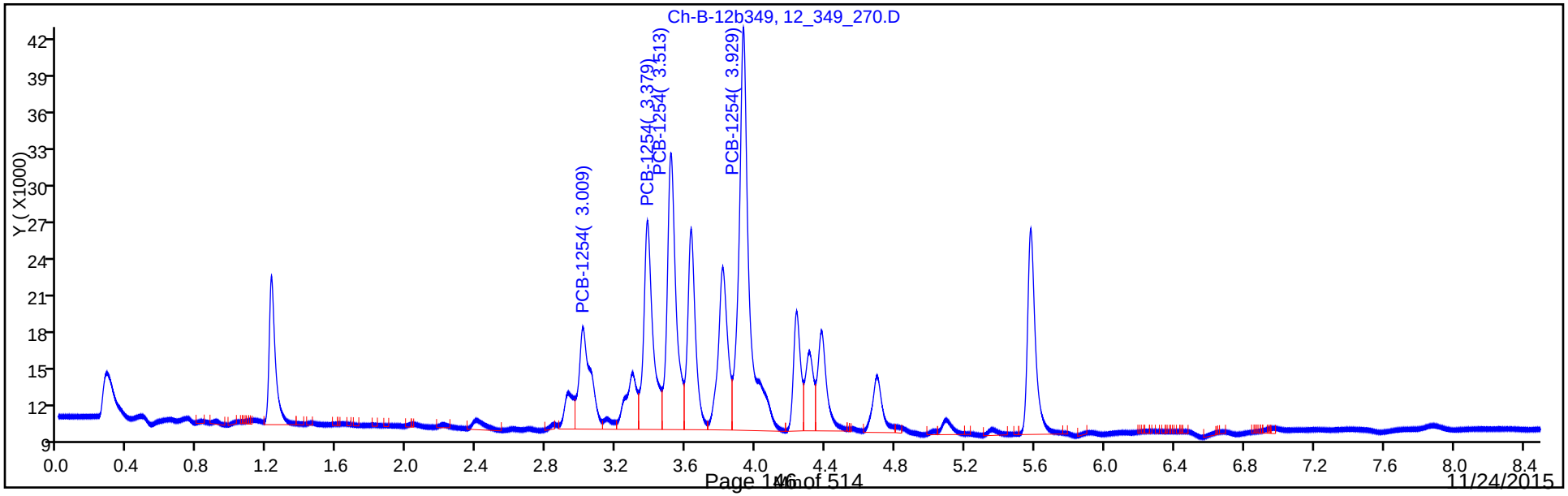
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_270.D

Injection Date:	18-Nov-2015 22:35:03	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-3-A	Lab Sample ID:	480-91253-3	Worklist Smp#:	36
Client ID:	SS20-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:07:39 Chrom Revision: 2.2 08-Oct-2015 07:17:48

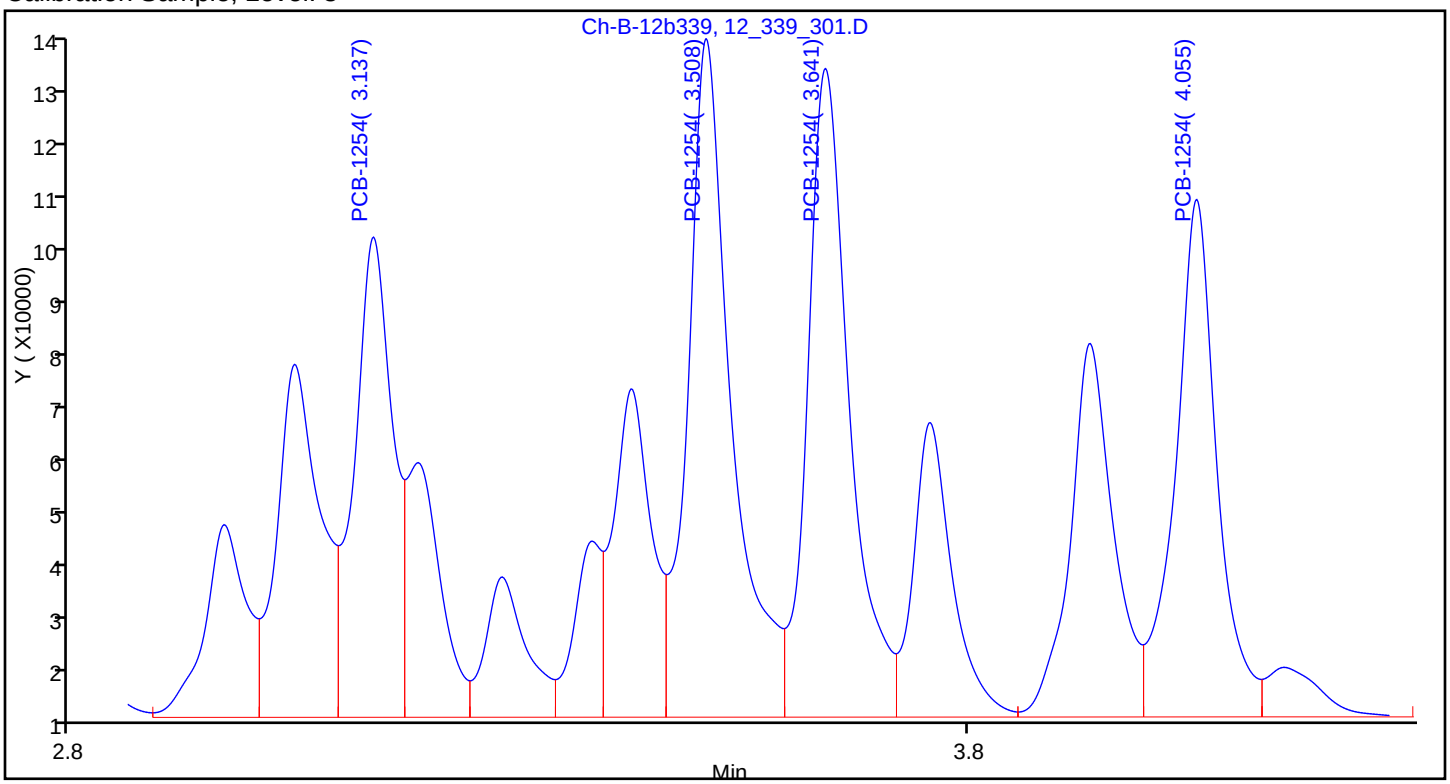
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_270.D

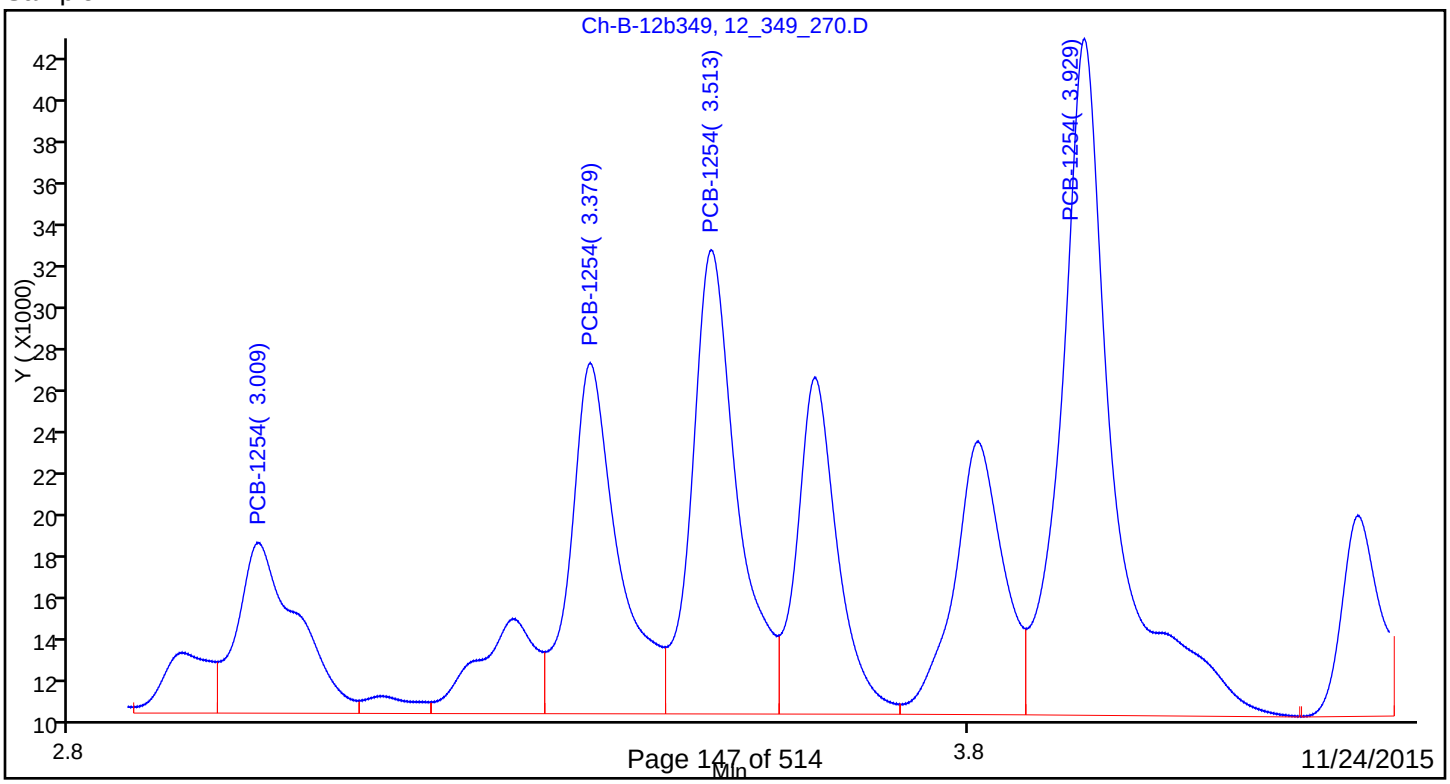
Injection Date:	18-Nov-2015 22:35:03	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-3-A	Lab Sample ID:	480-91253-3		
Client ID:	SS20-5				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-7 | Lab Sample ID: 480-91253-4

Matrix: Solid | Lab File ID: 12_349_271.D

Analysis Method: 8082A | Date Collected: 11/17/2015 09:25

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.05(g) | Date Analyzed: 11/18/2015 22:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 4.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.25	0.050
11104-28-2	PCB-1221	ND		0.25	0.050
11141-16-5	PCB-1232	ND		0.25	0.050
53469-21-9	PCB-1242	ND		0.25	0.050
12672-29-6	PCB-1248	ND		0.25	0.050
11097-69-1	PCB-1254	ND		0.25	0.12
11096-82-5	PCB-1260	ND		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	111		60-154
2051-24-3	DCB Decachlorobiphenyl	100		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_271.D
Lims ID: 480-91253-A-4-A Lab Sample ID: 480-91253-4
Client ID: SS20-7
Sample Type: Client
Inject. Date: 18-Nov-2015 22:50:49 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:09:56 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:09:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.584	1.583	0.001	58134	0.0207	
2	1.223	1.223	0.000	33314	0.0222	
					RPD = 6.72	
8 PCB-1254						M
1	3.223	3.217	0.006	299	0.001397	
1	3.605	3.605	0.000	135	0.000825	M
1	3.689	3.682	0.007	2490	0.0118	M
1	3.885	3.879	0.006	2149	0.009780	M
		Average of Peak Amounts =			0.005948	
2	2.999	3.006	-0.007	128	0.000958	
2	3.383	3.377	0.006	1077	0.005567	M
2	3.523	3.511	0.012	1317	0.007064	M
2	3.935	3.928	0.007	1446	0.0101	M
		Average of Peak Amounts =			0.005922	
					RPD = 0.44	
LOD = 0.0100						
$ 12 DCB Decachlorobiphenyl						
1	6.105	6.085	0.020	60743	0.0175	
2	5.582	5.565	0.017	53031	0.0201	
					RPD = 13.69	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

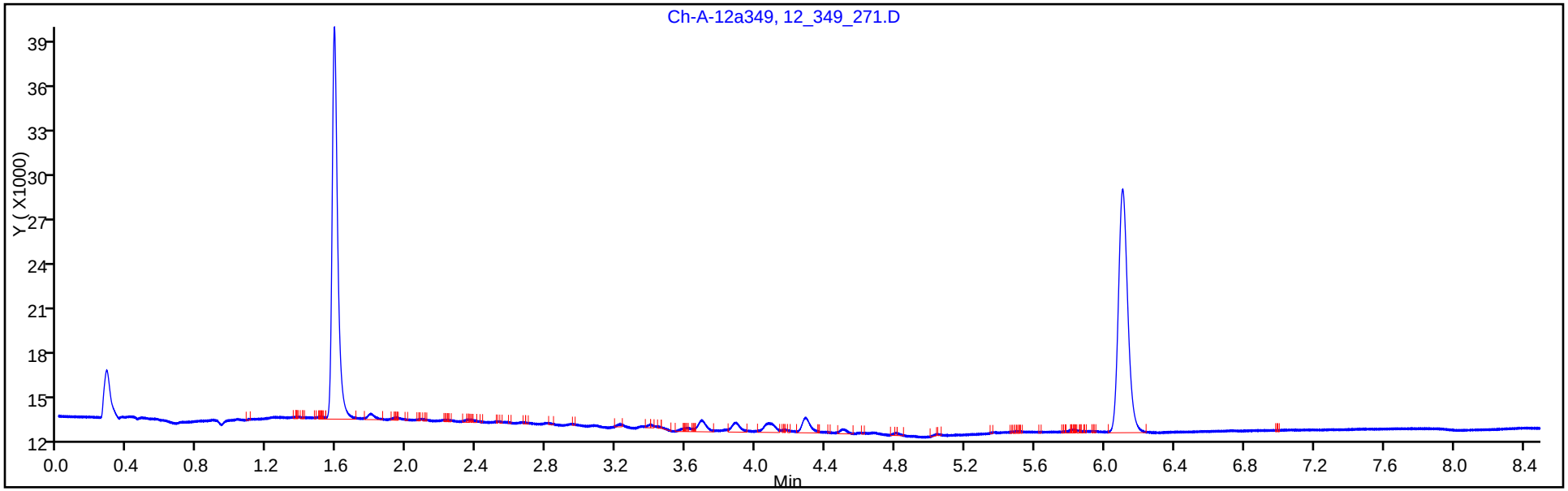
Report Date: 19-Nov-2015 12:09:57 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

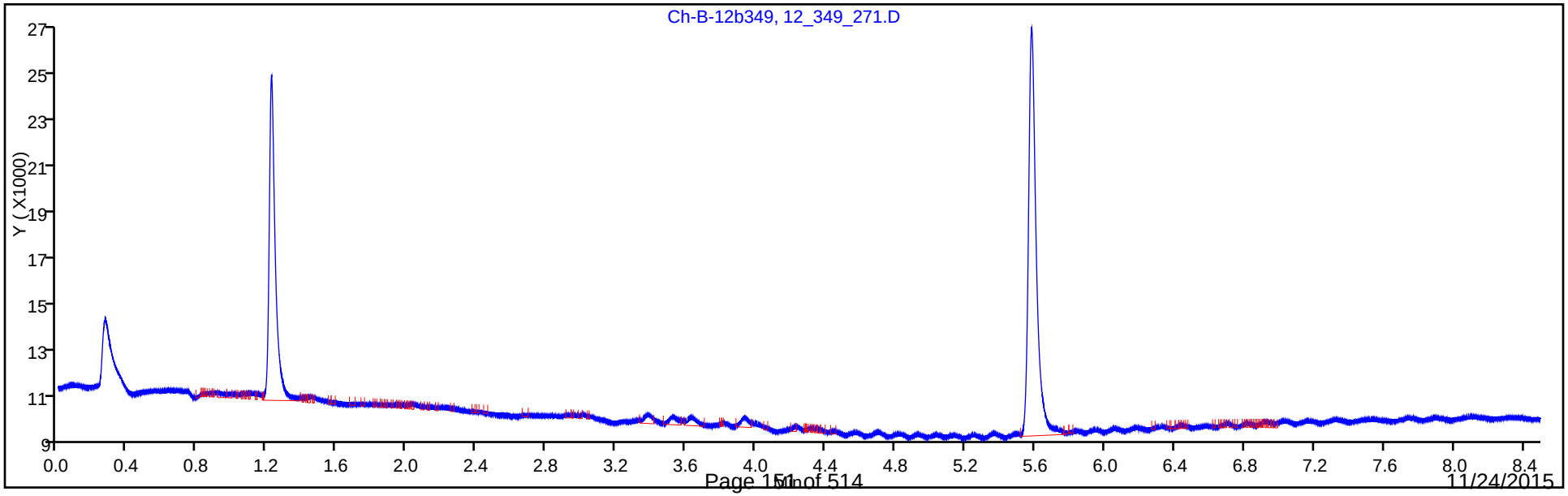
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_271.D

Injection Date:	18-Nov-2015 22:50:49	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-4-A	Lab Sample ID:	480-91253-4	Worklist Smp#:	37
Client ID:	SS20-7				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:09:57 Chrom Revision: 2.2 08-Oct-2015 07:17:48

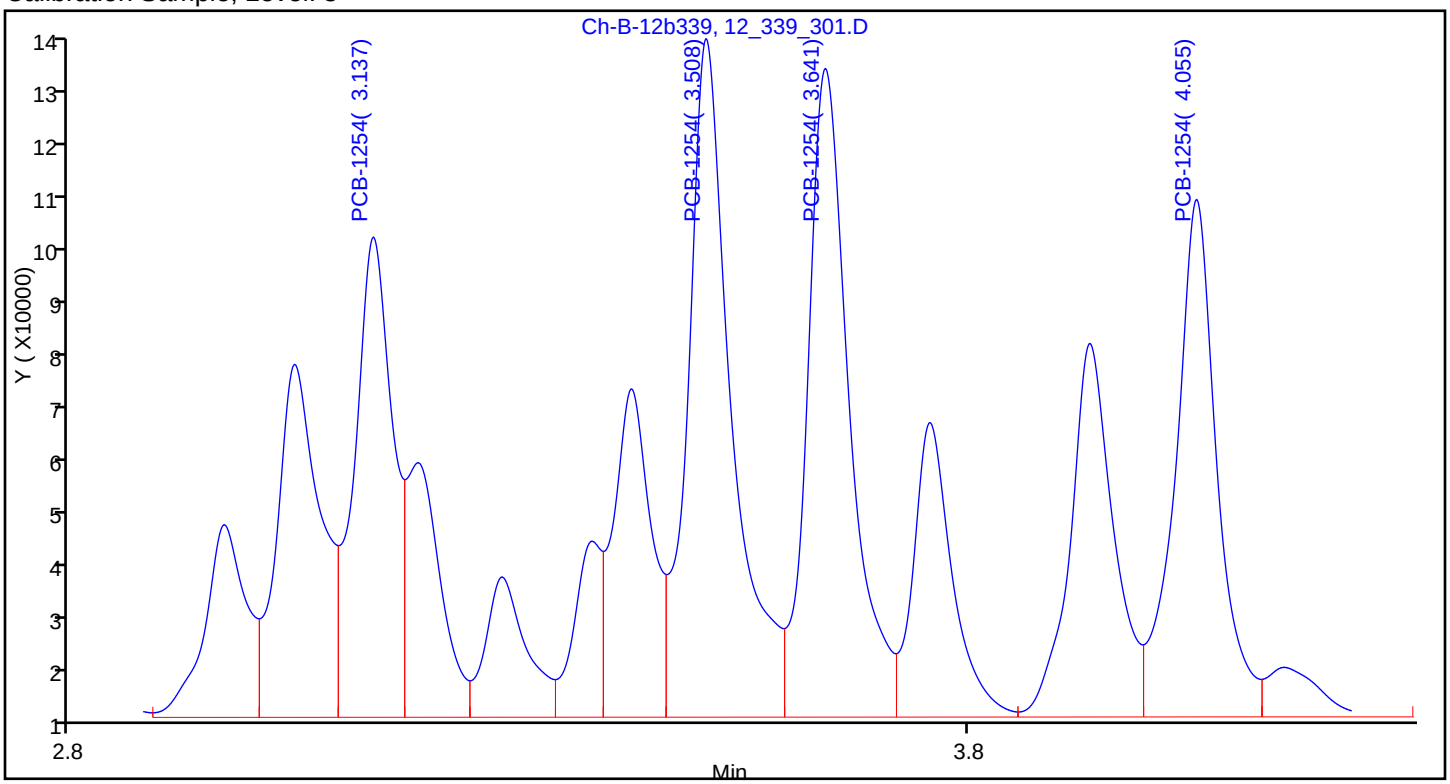
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_271.D

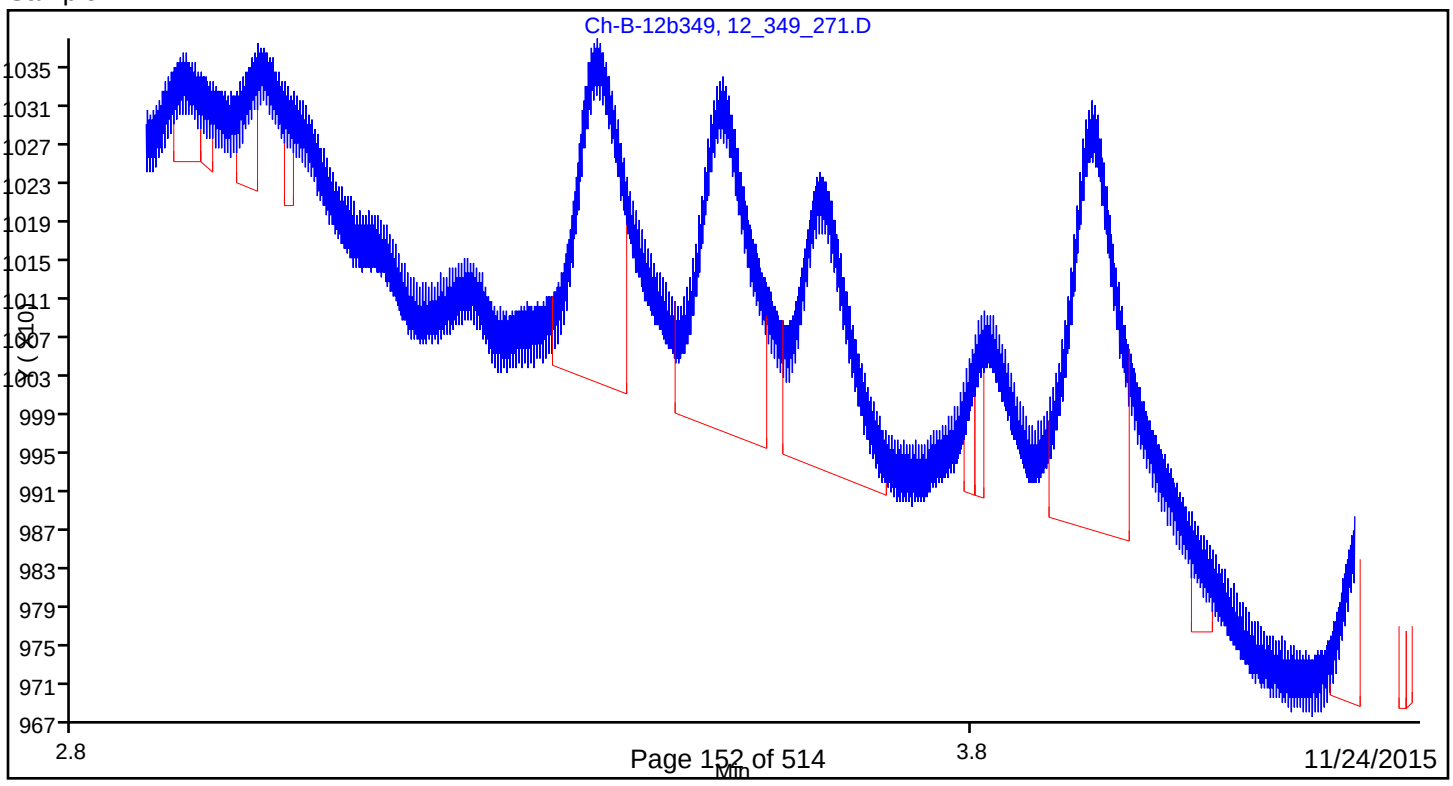
Injection Date:	18-Nov-2015 22:50:49	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-4-A	Lab Sample ID:	480-91253-4		
Client ID:	SS20-7				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



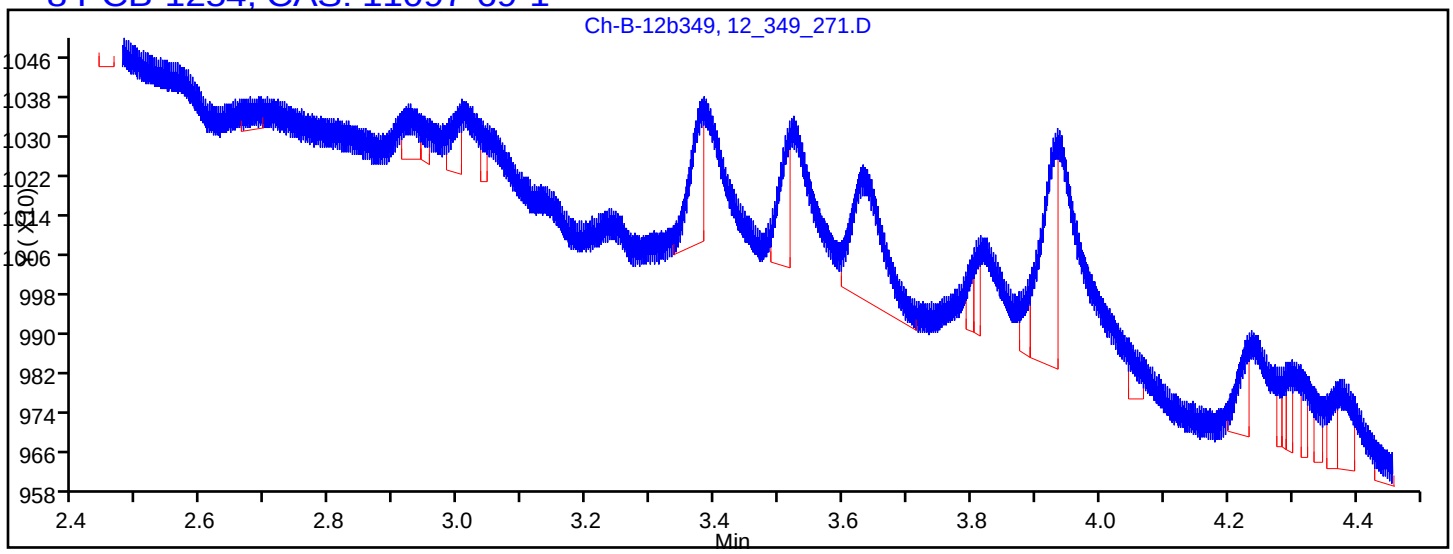
Report Date: 19-Nov-2015 12:09:57 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_271.D

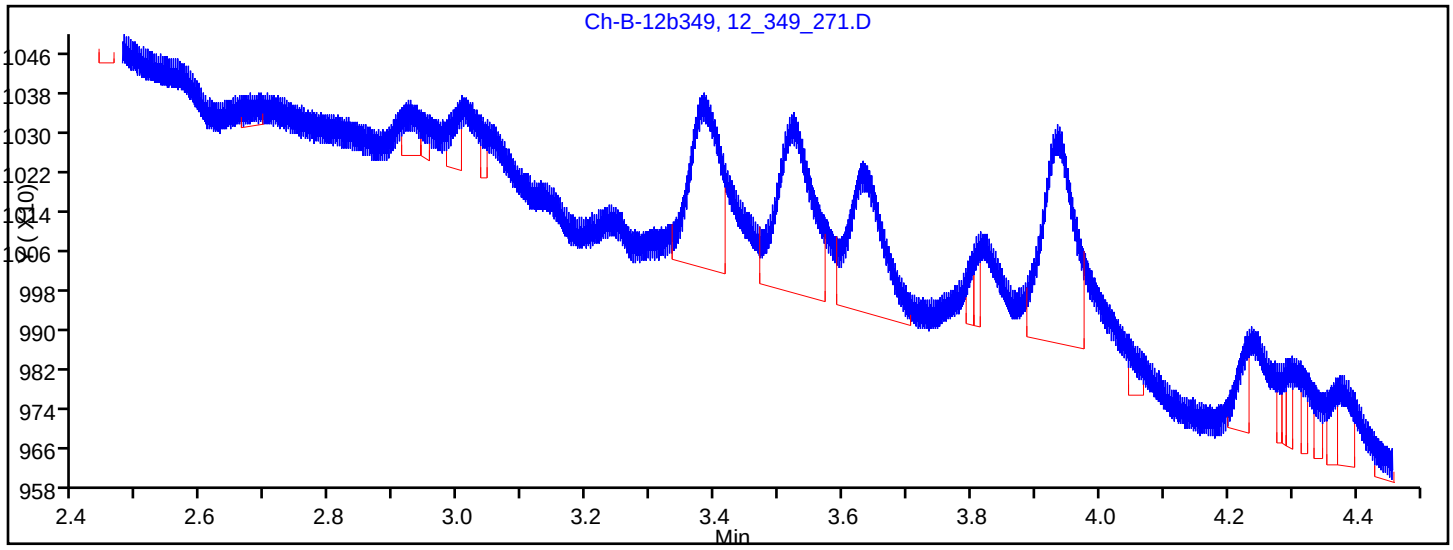
Injection Date:	18-Nov-2015 22:50:49	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-4-A	Lab Sample ID:	480-91253-4		
Client ID:	SS20-7				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 2.999	Response = 128	
RT = 3.380	Response = 400	M
RT = 3.517	Response = 306	M
RT = 3.935	Response = 789	M



Manual Integration Results

RT = 2.999	Response = 128	
RT = 3.383	Response = 1077	M
RT = 3.523	Response = 1317	M
RT = 3.935	Response = 1446	M

Reviewer: owenj, 19-Nov-2015 12:09:56

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS20-8 | Lab Sample ID: 480-91253-5

Matrix: Solid | Lab File ID: 12_349_274.D

Analysis Method: 8082A | Date Collected: 11/17/2015 11:15

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.03(g) | Date Analyzed: 11/18/2015 23:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.052
11104-28-2	PCB-1221	ND		0.27	0.052
11141-16-5	PCB-1232	ND		0.27	0.052
53469-21-9	PCB-1242	ND		0.27	0.052
12672-29-6	PCB-1248	ND		0.27	0.052
11097-69-1	PCB-1254	1.1		0.27	0.12
11096-82-5	PCB-1260	ND		0.27	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		60-154
2051-24-3	DCB Decachlorobiphenyl	102		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_274.D
Lims ID: 480-91253-A-5-A Lab Sample ID: 480-91253-5
Client ID: SS20-8
Sample Type: Client
Inject. Date: 18-Nov-2015 23:38:07 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:10:51 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:10:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.584	1.583	0.001	56195	0.0200	
2	1.223	1.223	0.000	29578	0.0197	
					RPD = 1.78	
8 PCB-1254						
1	3.223	3.217	0.006	7652	0.0358	
1	3.610	3.605	0.005	15924	0.0973	
1	3.688	3.682	0.006	31263	0.1480	
1	3.885	3.879	0.006	42747	0.1945	
		Average of Peak Amounts =			0.1189	
2	3.010	3.006	0.004	11536	0.0863	
2	3.381	3.377	0.004	22784	0.1178	
2	3.517	3.511	0.006	32464	0.1741	
2	3.932	3.928	0.004	59730	0.4172	
		Average of Peak Amounts =			0.1988	
					RPD = 50.31	
$ 12 DCB Decachlorobiphenyl						
1	6.097	6.085	0.012	62586	0.0180	
2	5.577	5.565	0.012	54132	0.0205	
					RPD = 12.76	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

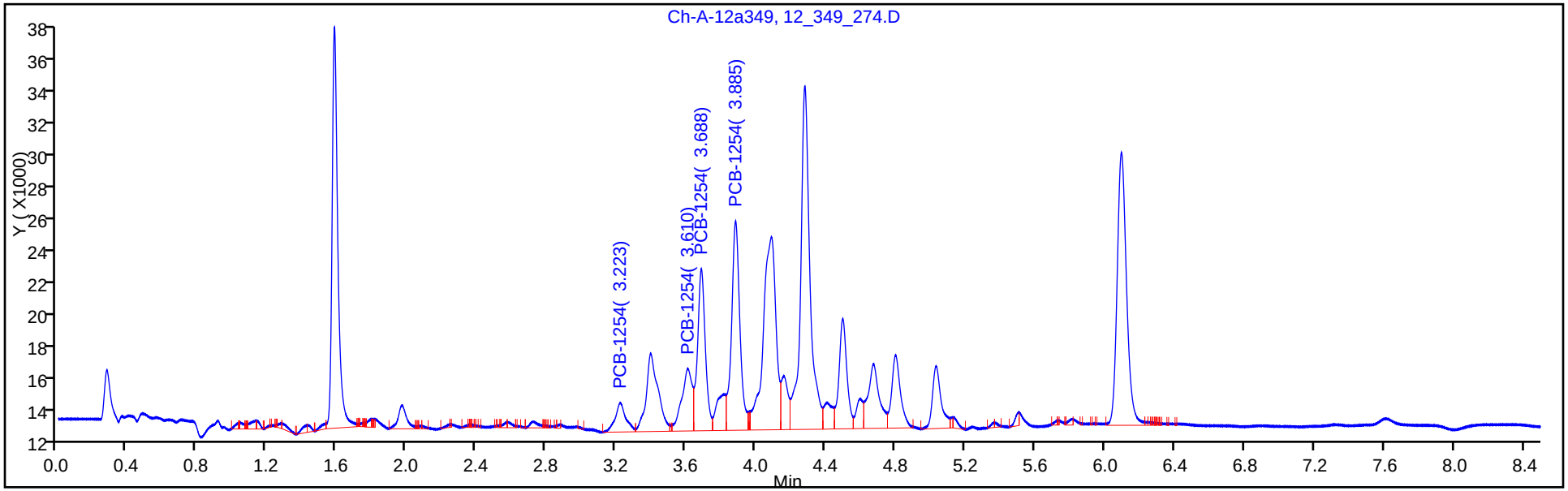
Report Date: 19-Nov-2015 12:10:52 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

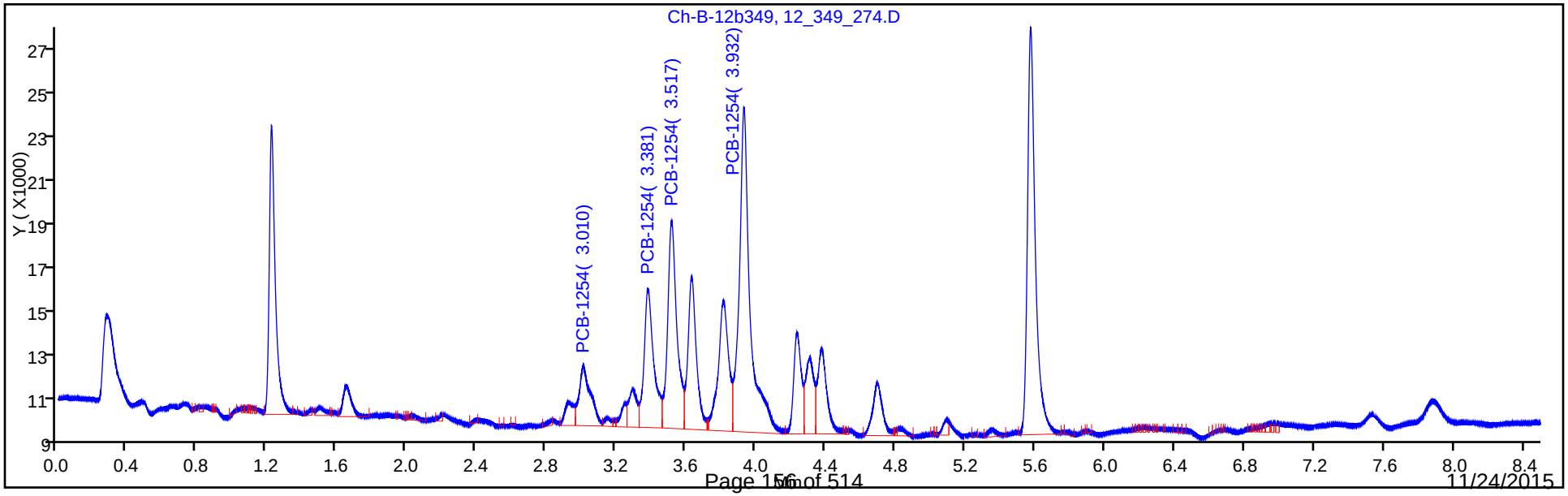
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_274.D

Injection Date:	18-Nov-2015 23:38:07	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-5-A	Lab Sample ID:	480-91253-5	Worklist Smp#:	40
Client ID:	SS20-8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:10:52 Chrom Revision: 2.2 08-Oct-2015 07:17:48

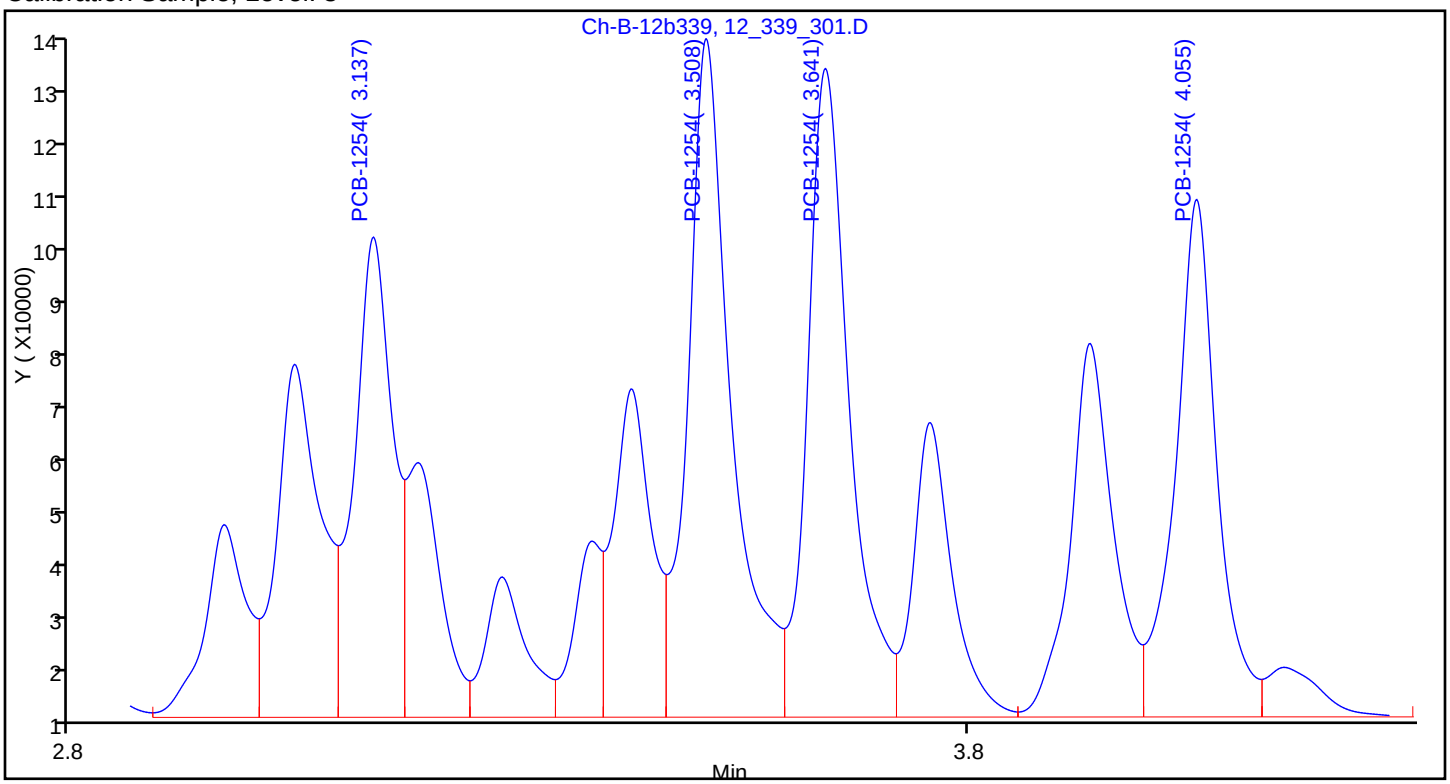
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_274.D

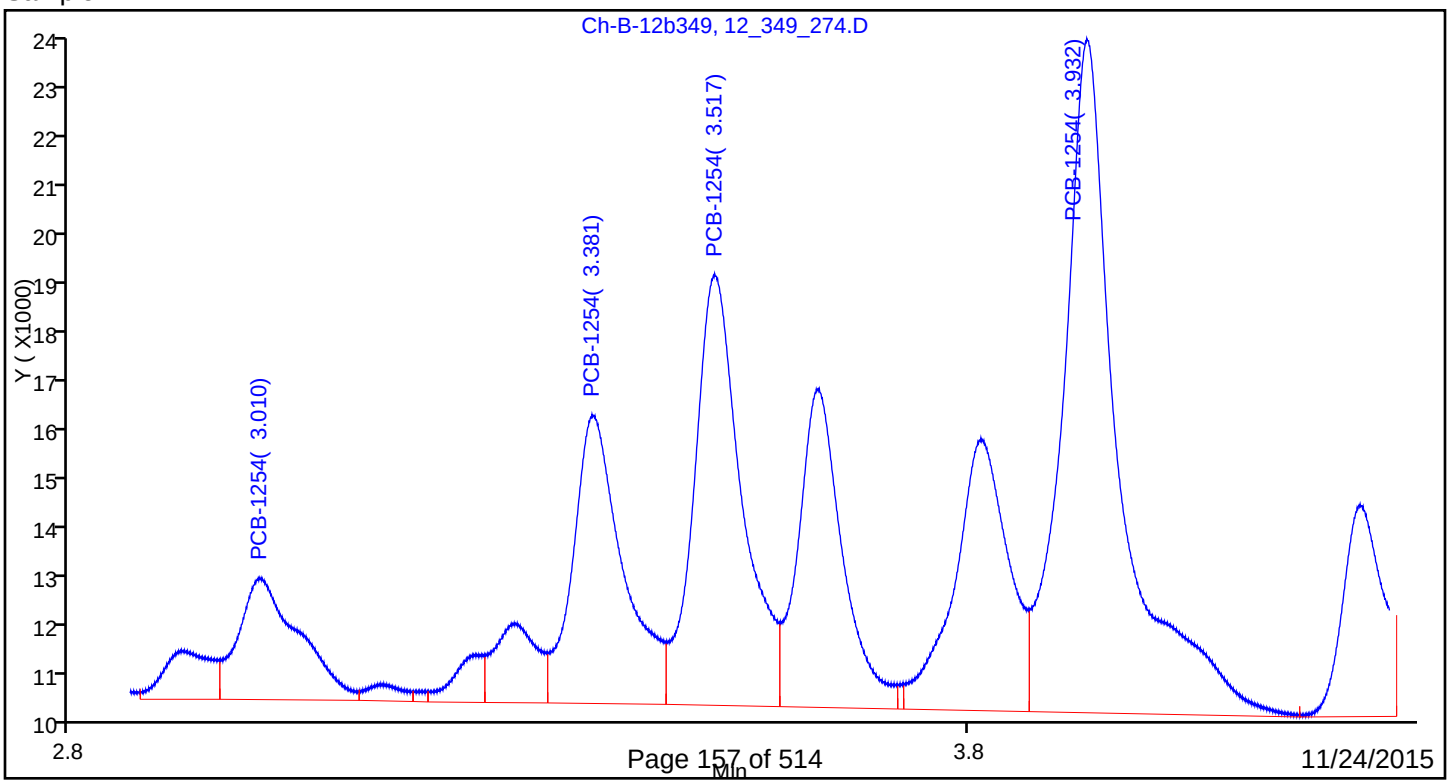
Injection Date:	18-Nov-2015 23:38:07	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-5-A	Lab Sample ID:	480-91253-5		
Client ID:	SS20-8				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-1 | Lab Sample ID: 480-91253-6

Matrix: Solid | Lab File ID: 12_349_275.D

Analysis Method: 8082A | Date Collected: 11/17/2015 12:05

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.06(g) | Date Analyzed: 11/18/2015 23:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 19.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.059
11104-28-2	PCB-1221	ND		0.30	0.059
11141-16-5	PCB-1232	ND		0.30	0.059
53469-21-9	PCB-1242	ND		0.30	0.059
12672-29-6	PCB-1248	ND		0.30	0.059
11097-69-1	PCB-1254	1.2		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		60-154
2051-24-3	DCB Decachlorobiphenyl	95		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_275.D
Lims ID: 480-91253-A-6-A Lab Sample ID: 480-91253-6
Client ID: SS21-1
Sample Type: Client
Inject. Date: 18-Nov-2015 23:53:55 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:12:29 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:12:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						M
1	1.584	1.583	0.001	59232	0.0211	M
2	1.223	1.223	0.000	29015	0.0193	
					RPD = 8.96	
8 PCB-1254						M
1	3.218	3.217	0.001	23370	0.1092	M
1	3.609	3.605	0.004	10209	0.0624	M
1	3.687	3.682	0.005	29230	0.1384	M
1	3.881	3.879	0.002	39033	0.1776	M
		Average of Peak Amounts =			0.1219	
2	3.011	3.006	0.005	37944	0.2839	M
2	3.382	3.377	0.005	20805	0.1075	M
2	3.517	3.511	0.006	29067	0.1559	M
2	3.931	3.928	0.003	32951	0.2301	
		Average of Peak Amounts =			0.1944	
					RPD = 45.82	
$ 12 DCB Decachlorobiphenyl						M
1	6.093	6.085	0.008	57450	0.0165	M
2	5.574	5.565	0.009	50379	0.0191	
					RPD = 14.13	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

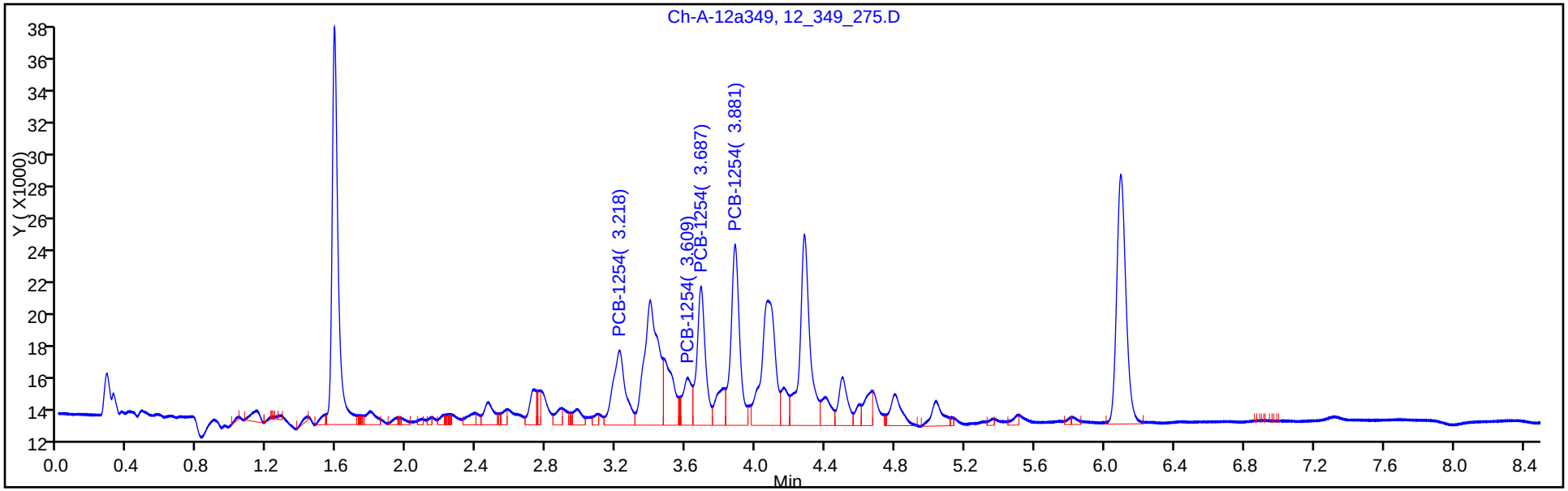
Report Date: 19-Nov-2015 12:12:30 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

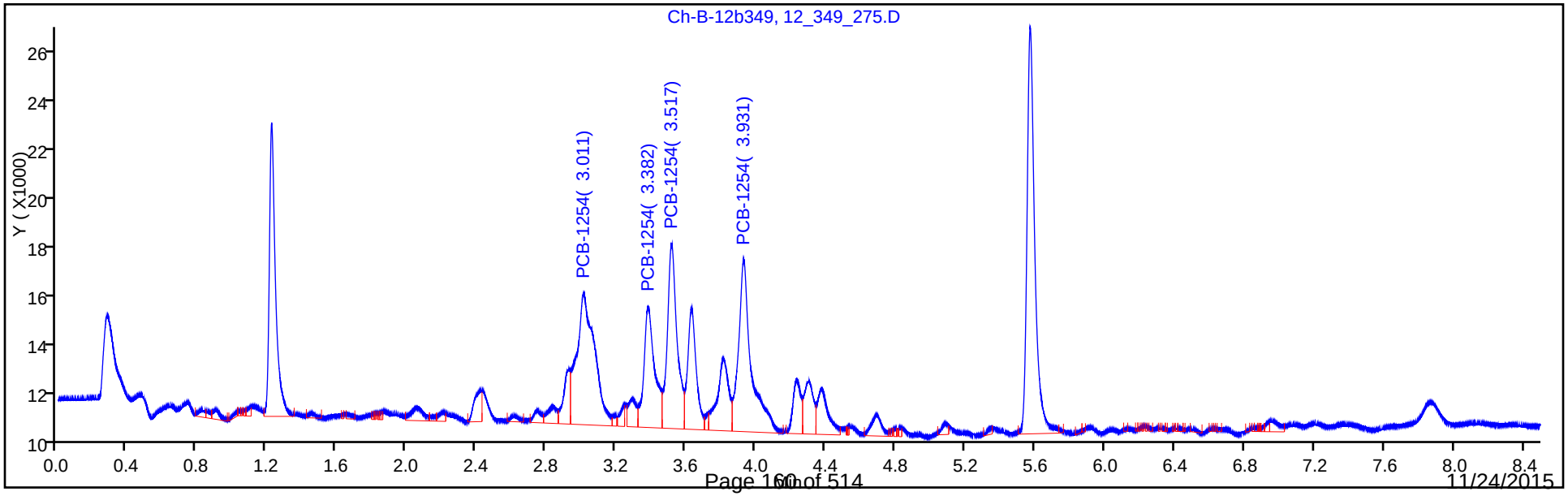
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_275.D

Injection Date:	18-Nov-2015 23:53:55	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-6-A	Lab Sample ID:	480-91253-6	Worklist Smp#:	41
Client ID:	SS21-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:12:31 Chrom Revision: 2.2 08-Oct-2015 07:17:48

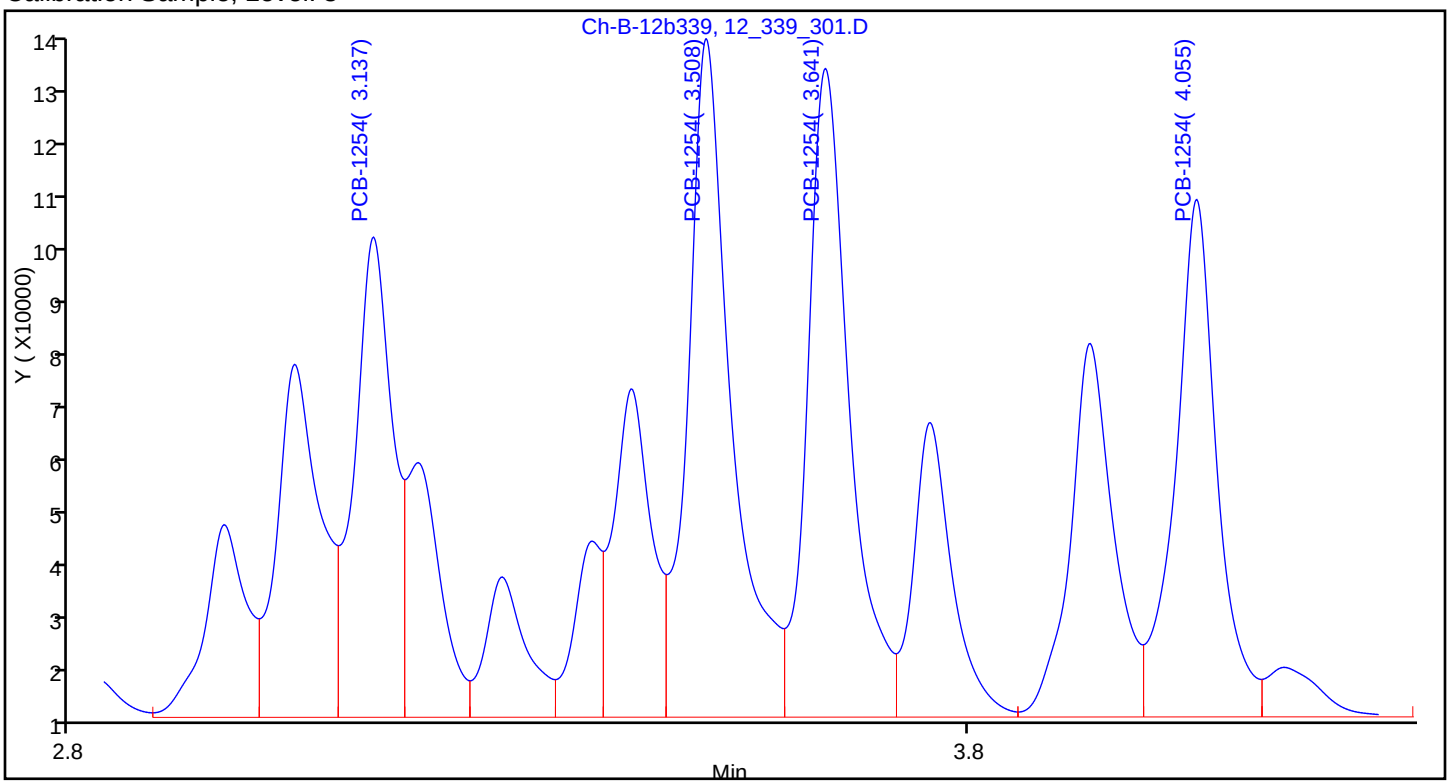
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_275.D

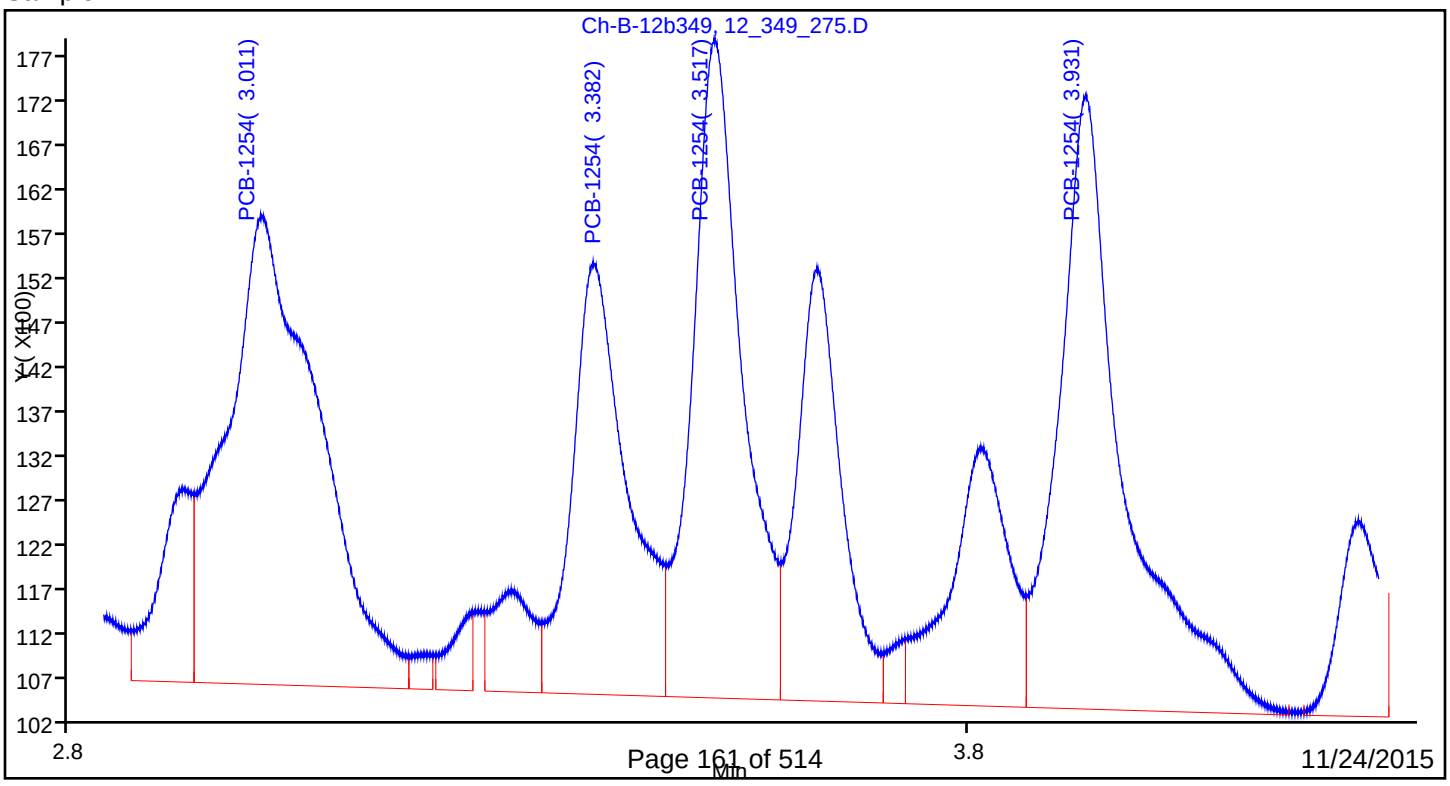
Injection Date:	18-Nov-2015 23:53:55	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-6-A	Lab Sample ID:	480-91253-6		
Client ID:	SS21-1				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



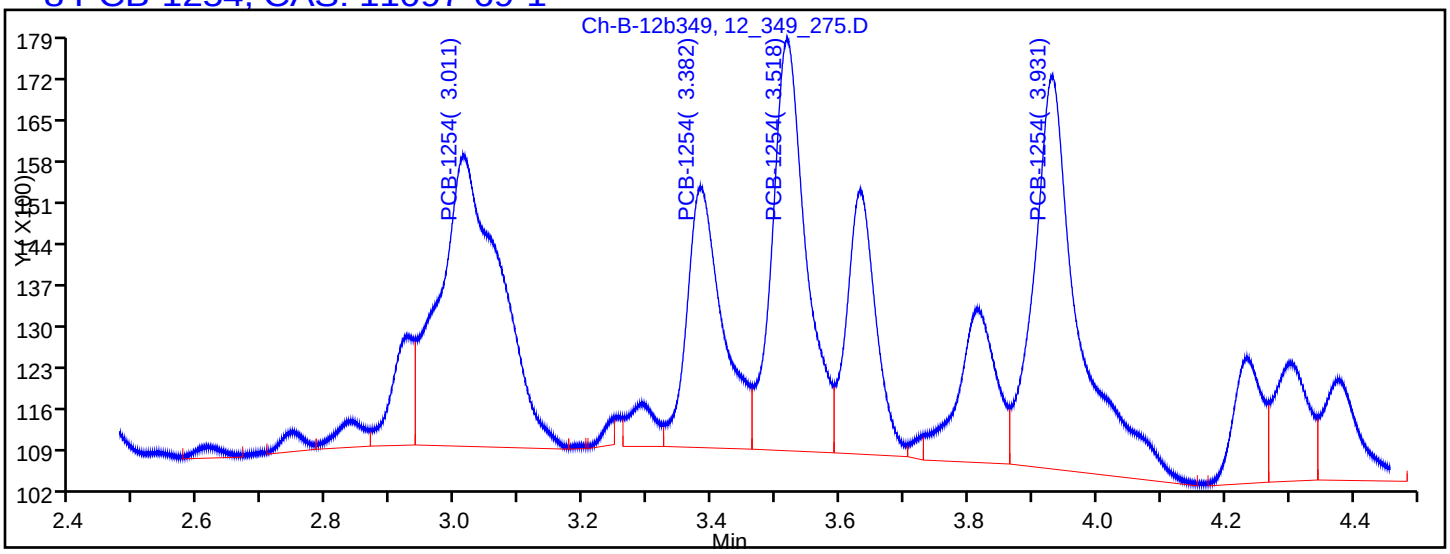
Report Date: 19-Nov-2015 12:12:31 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_275.D

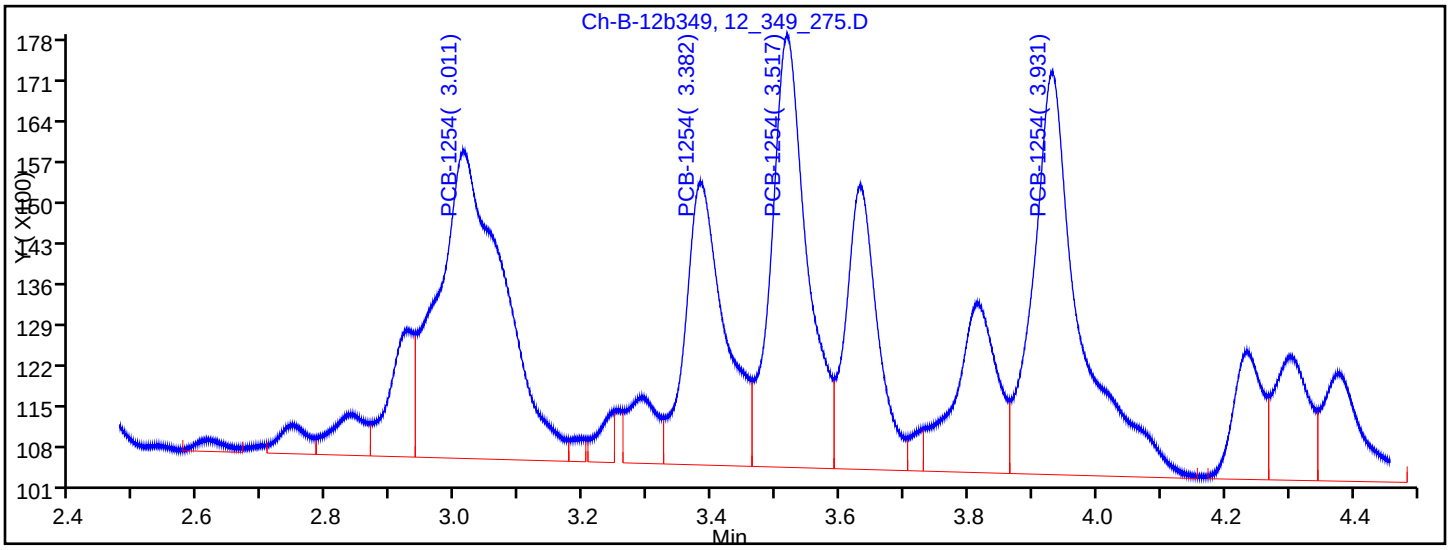
Injection Date:	18-Nov-2015 23:53:55	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-6-A	Lab Sample ID:	480-91253-6		
Client ID:	SS21-1				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.011	Response = 33234	M
RT = 3.382	Response = 17348	M
RT = 3.518	Response = 25968	M
RT = 3.931	Response = 32951	



Manual Integration Results

RT = 3.011	Response = 37944	M
RT = 3.382	Response = 20805	M
RT = 3.517	Response = 29067	M
RT = 3.931	Response = 32951	

Reviewer: owenj, 19-Nov-2015 12:12:29

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-2 | Lab Sample ID: 480-91253-7

Matrix: Solid | Lab File ID: 12_349_276.D

Analysis Method: 8082A | Date Collected: 11/17/2015 12:15

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.07(g) | Date Analyzed: 11/19/2015 00:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 20.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.059
11104-28-2	PCB-1221	ND		0.30	0.059
11141-16-5	PCB-1232	ND		0.30	0.059
53469-21-9	PCB-1242	ND		0.30	0.059
12672-29-6	PCB-1248	ND		0.30	0.059
11097-69-1	PCB-1254	1.5		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		60-154
2051-24-3	DCB Decachlorobiphenyl	97		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_276.D
Lims ID: 480-91253-A-7-A Lab Sample ID: 480-91253-7
Client ID: SS21-2
Sample Type: Client
Inject. Date: 19-Nov-2015 00:09:43 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:13:25 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:13:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	56935	0.0203	
2	1.223	1.223	0.000	31118	0.0207	
					RPD = 1.99	
8 PCB-1254						
1	3.218	3.217	0.001	23296	0.1088	
1	3.608	3.605	0.003	15273	0.0933	
1	3.683	3.682	0.001	35950	0.1702	
1	3.880	3.879	0.001	48487	0.2207	
		Average of Peak Amounts =			0.1483	
2	3.011	3.006	0.005	42037	0.3145	
2	3.381	3.377	0.004	27776	0.1436	
2	3.514	3.511	0.003	37549	0.2014	
2	3.929	3.928	0.001	46059	0.3217	
		Average of Peak Amounts =			0.2453	
					RPD = 49.31	
$ 12 DCB Decachlorobiphenyl						
1	6.088	6.085	0.003	57410	0.0165	
2	5.571	5.565	0.006	51433	0.0195	
					RPD = 16.26	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

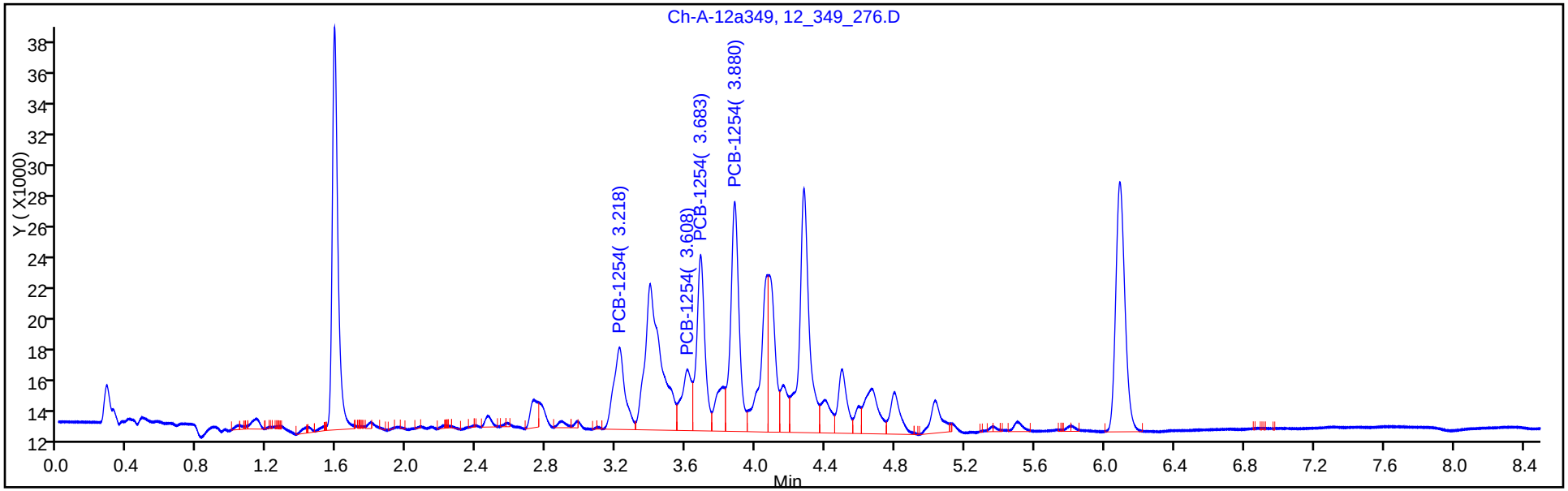
Report Date: 19-Nov-2015 12:13:26 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

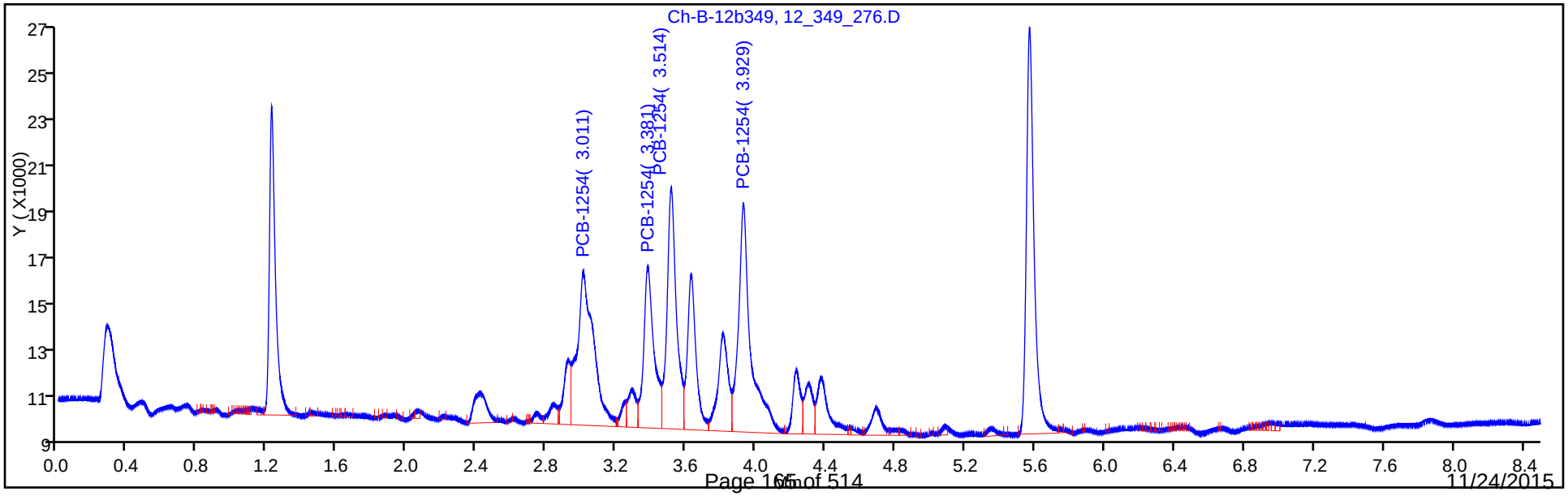
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_276.D

Injection Date:	19-Nov-2015 00:09:43	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-7-A	Lab Sample ID:	480-91253-7	Worklist Smp#:	42
Client ID:	SS21-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:13:26 Chrom Revision: 2.2 08-Oct-2015 07:17:48

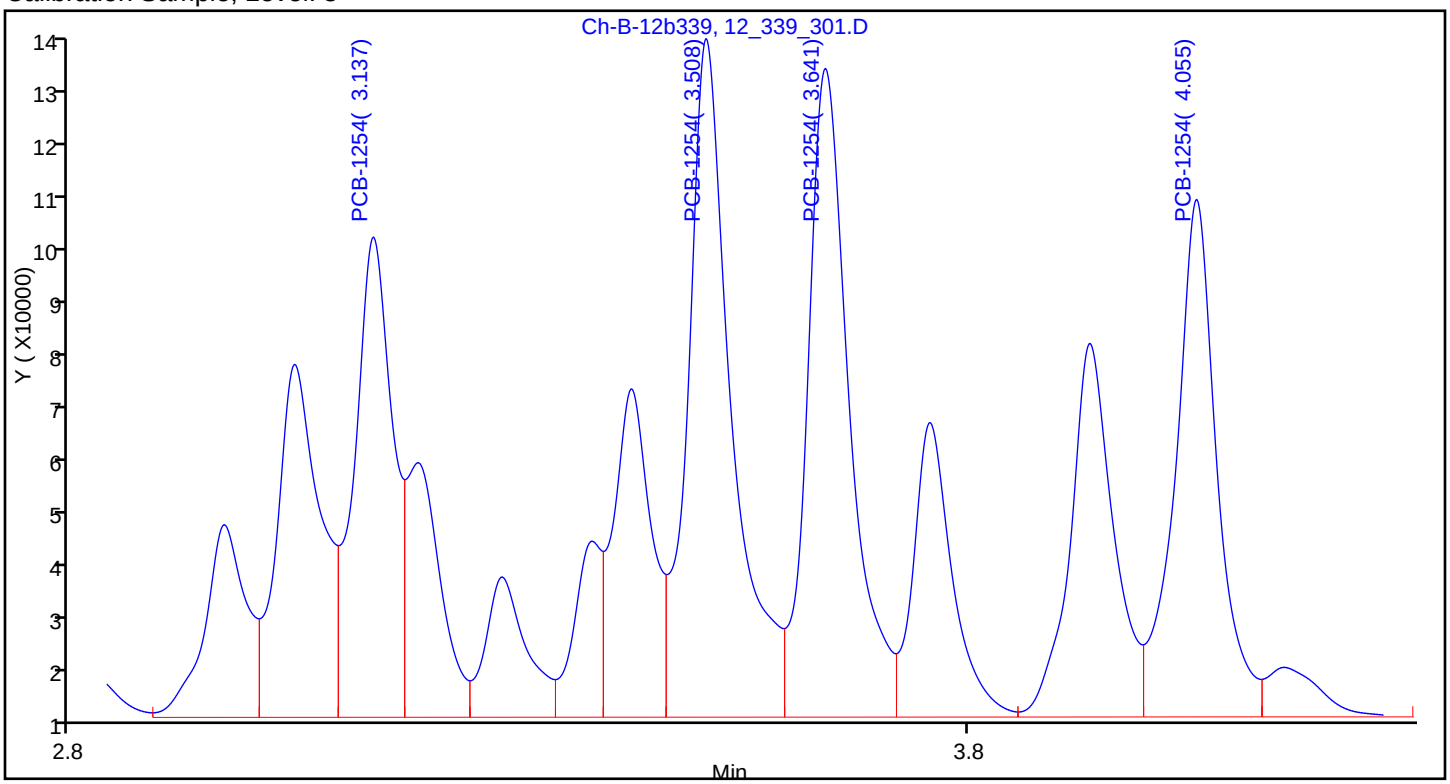
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_276.D

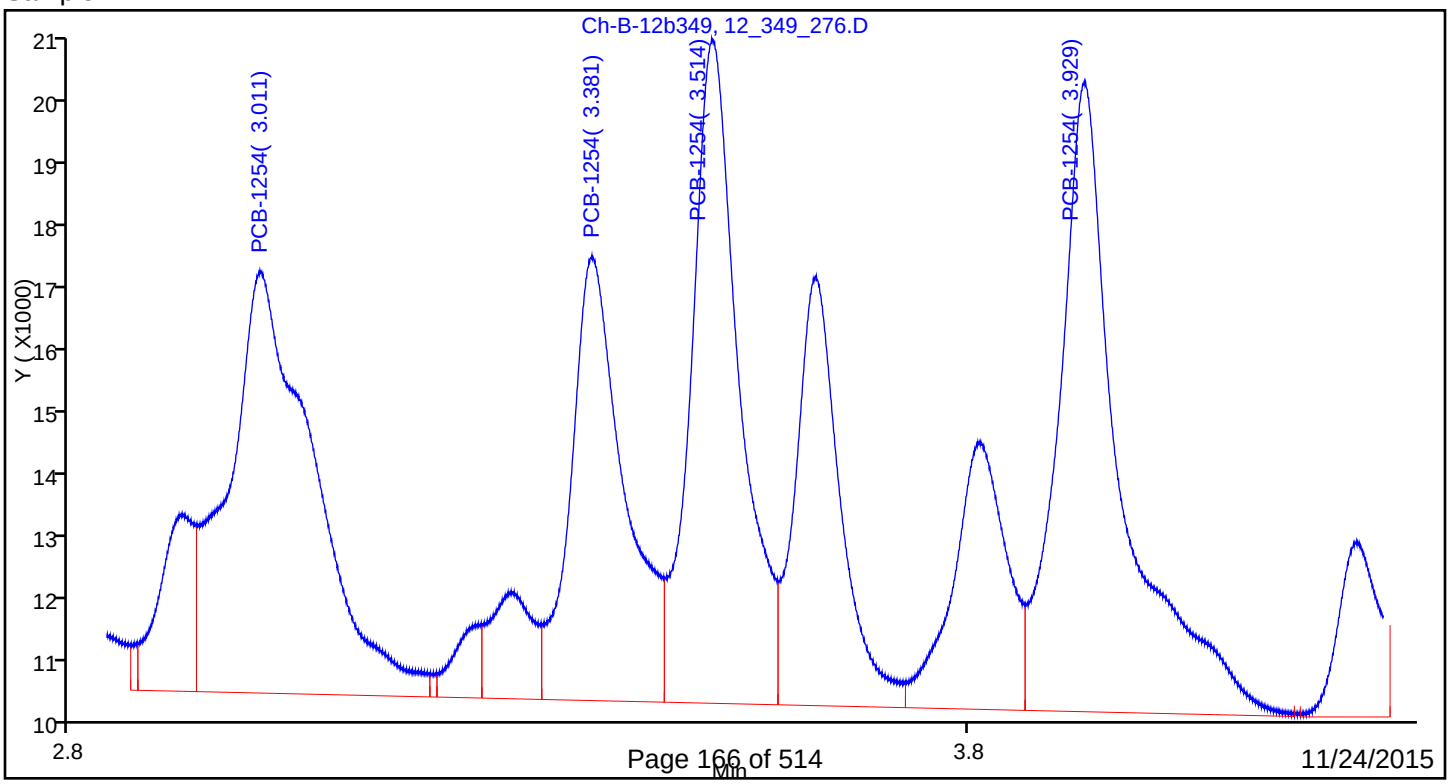
Injection Date:	19-Nov-2015 00:09:43	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-7-A	Lab Sample ID:	480-91253-7		
Client ID:	SS21-2				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-3 | Lab Sample ID: 480-91253-8

Matrix: Solid | Lab File ID: 12_349_277.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:10

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.49(g) | Date Analyzed: 11/19/2015 00:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.24	0.047
11104-28-2	PCB-1221	ND		0.24	0.047
11141-16-5	PCB-1232	ND		0.24	0.047
53469-21-9	PCB-1242	ND		0.24	0.047
12672-29-6	PCB-1248	ND		0.24	0.047
11097-69-1	PCB-1254	1.2		0.24	0.11
11096-82-5	PCB-1260	ND		0.24	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		60-154
2051-24-3	DCB Decachlorobiphenyl	93		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_277.D
Lims ID: 480-91253-A-8-A Lab Sample ID: 480-91253-8
Client ID: SS21-3
Sample Type: Client
Inject. Date: 19-Nov-2015 00:25:28 ALS Bottle#: 0 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:14:28 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:14:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	56179	0.0200	
2	1.224	1.223	0.001	29964	0.0199	
					RPD = 0.45	
8 PCB-1254						M
1	3.221	3.217	0.004	26336	0.1231	
1	3.608	3.605	0.003	18486	0.1129	M
1	3.685	3.682	0.003	42539	0.2014	M
1	3.881	3.879	0.002	58041	0.2641	M
		Average of Peak Amounts =			0.1754	
2	3.011	3.006	0.005	28428	0.2127	M
2	3.381	3.377	0.004	32875	0.1699	M
2	3.515	3.511	0.004	45346	0.2432	M
2	3.930	3.928	0.002	53801	0.3758	M
		Average of Peak Amounts =			0.2504	
					RPD = 35.23	
$ 12 DCB Decachlorobiphenyl						
1	6.093	6.085	0.008	54807	0.0158	
2	5.573	5.565	0.008	49109	0.0186	
					RPD = 16.27	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

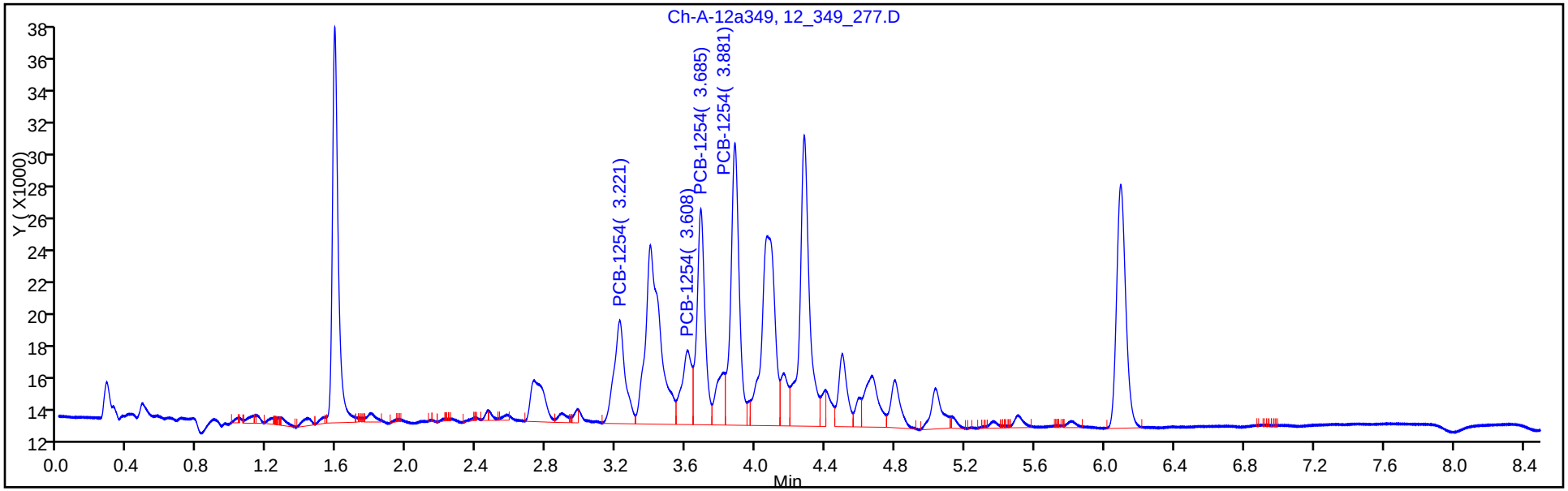
Report Date: 19-Nov-2015 12:14:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

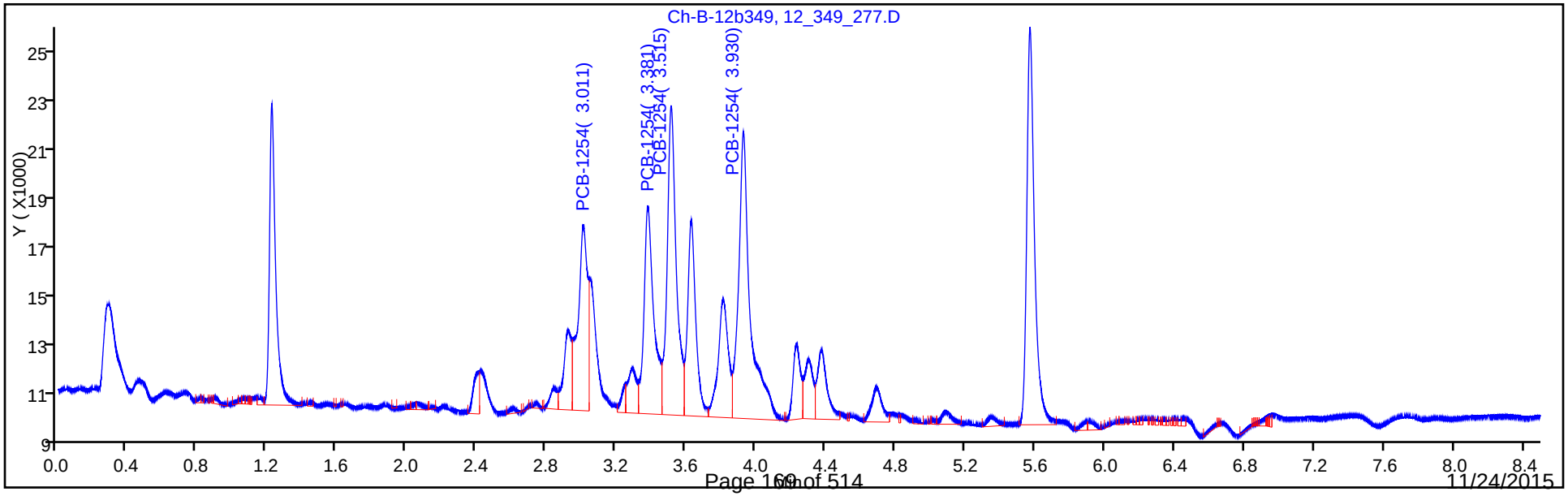
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_277.D

Injection Date:	19-Nov-2015 00:25:28	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-8-A	Lab Sample ID:	480-91253-8	Worklist Smp#:	43
Client ID:	SS21-3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



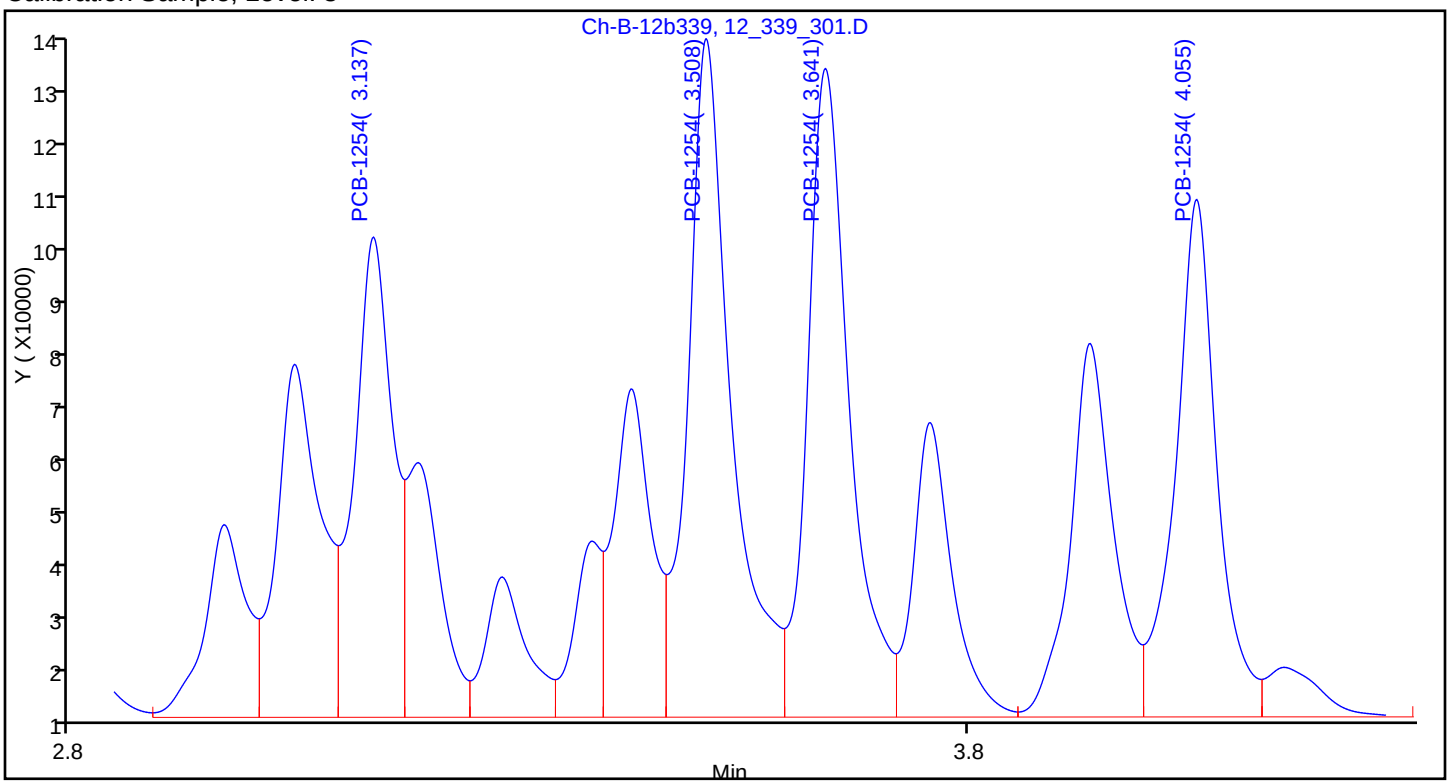
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_277.D

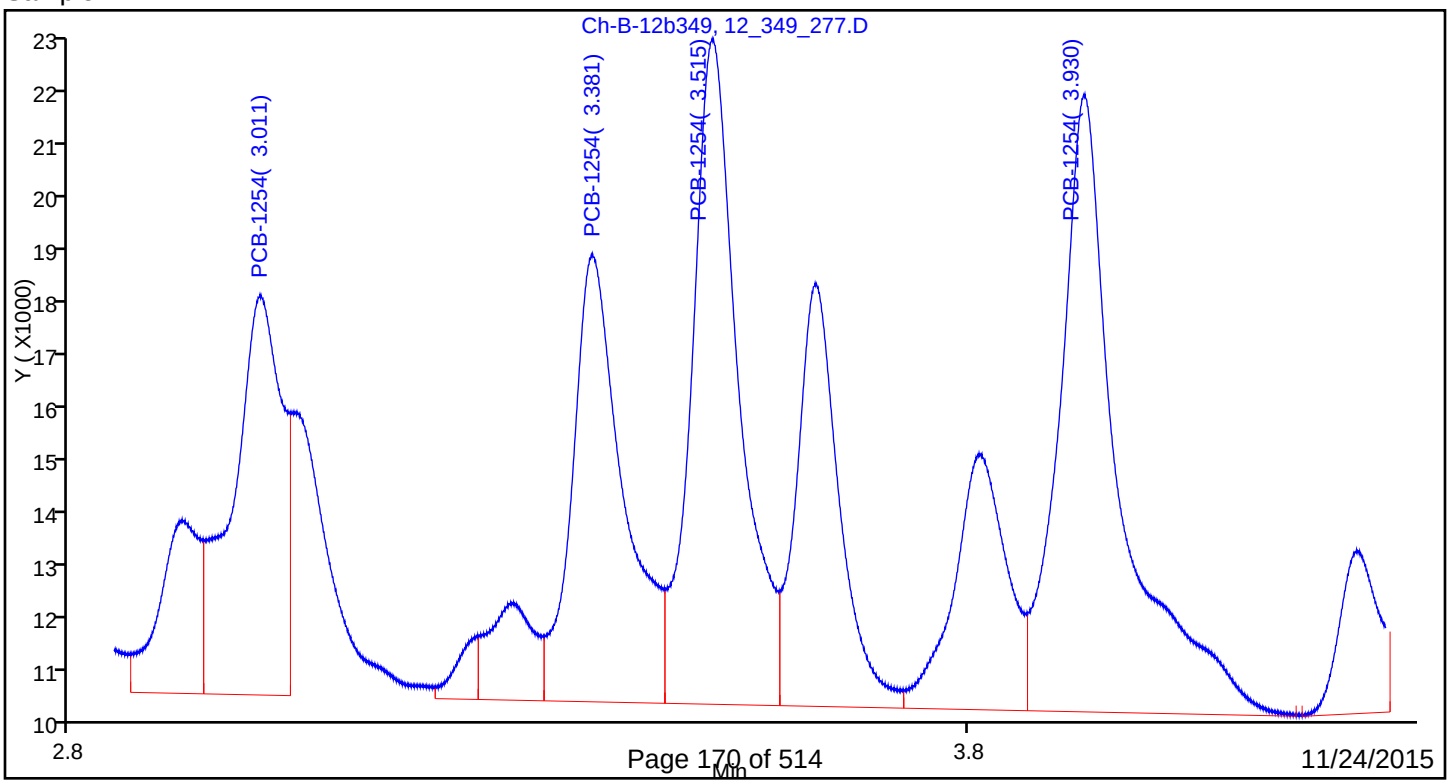
Injection Date:	19-Nov-2015 00:25:28	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-8-A	Lab Sample ID:	480-91253-8		
Client ID:	SS21-3				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



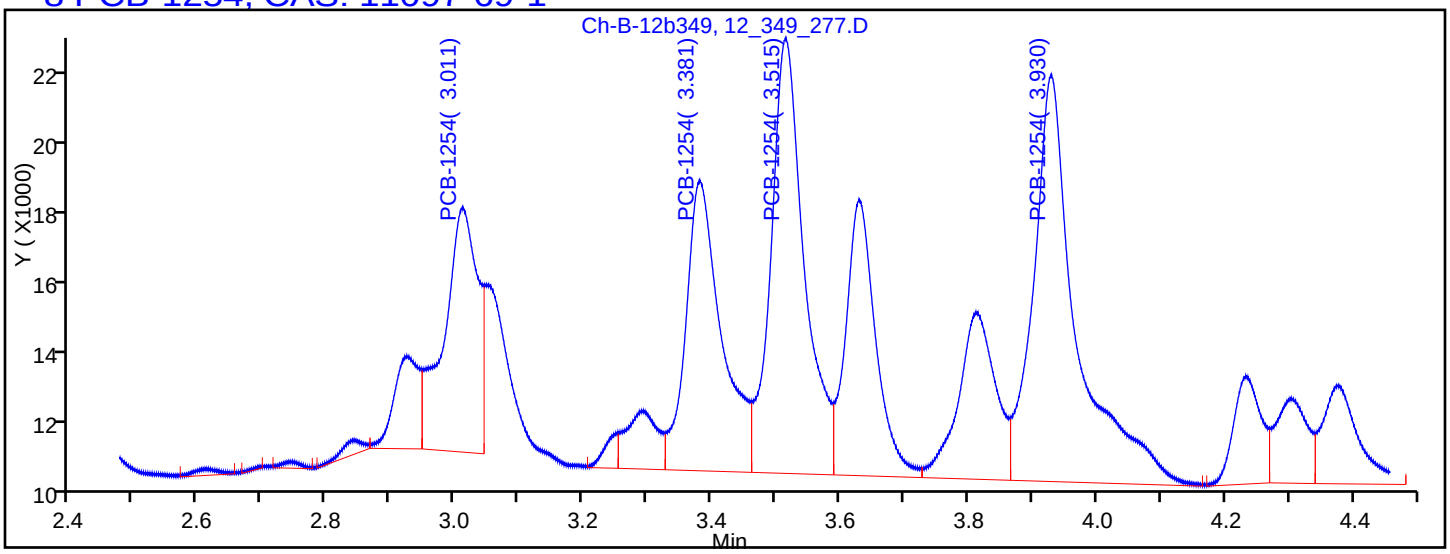
Report Date: 19-Nov-2015 12:14:30 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_277.D

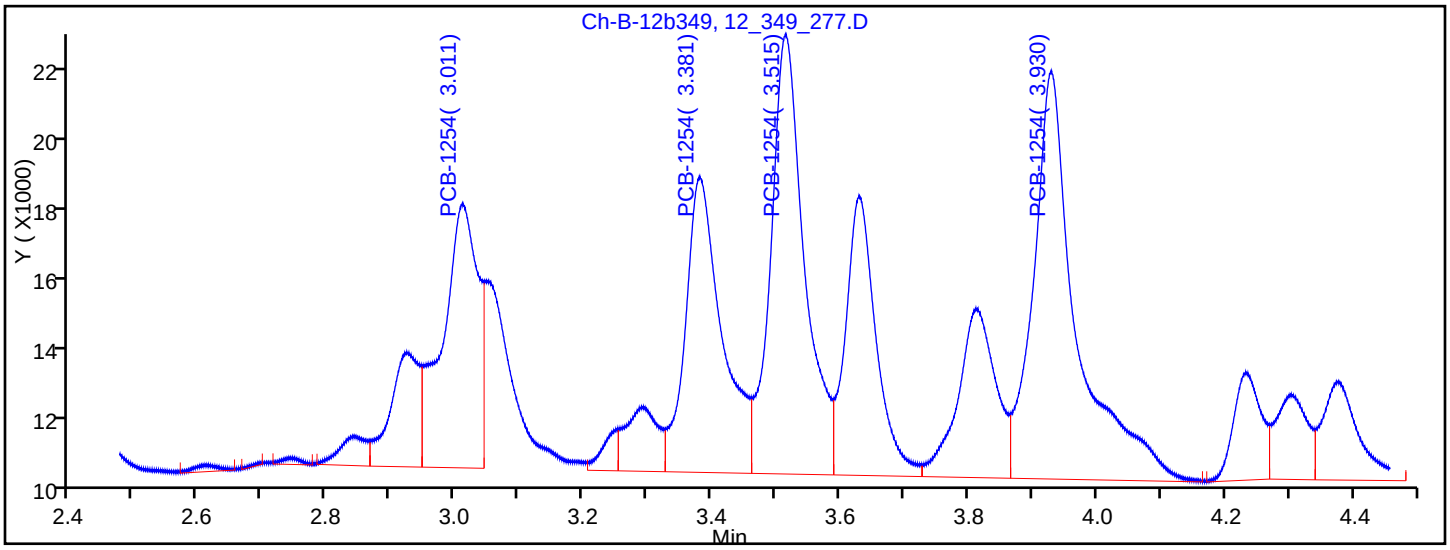
Injection Date:	19-Nov-2015 00:25:28	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-8-A	Lab Sample ID:	480-91253-8		
Client ID:	SS21-3				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.011	Response = 25163	M
RT = 3.381	Response = 31687	M
RT = 3.515	Response = 44428	M
RT = 3.930	Response = 53496	M



Manual Integration Results

RT = 3.011	Response = 28428	M
RT = 3.381	Response = 32875	M
RT = 3.515	Response = 45346	M
RT = 3.930	Response = 53801	M

Reviewer: owenj, 19-Nov-2015 12:14:28

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-4 | Lab Sample ID: 480-91253-9

Matrix: Solid | Lab File ID: 12_349_278.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:15

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.60(g) | Date Analyzed: 11/19/2015 00:41

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.22	0.044
11104-28-2	PCB-1221	ND		0.22	0.044
11141-16-5	PCB-1232	ND		0.22	0.044
53469-21-9	PCB-1242	ND		0.22	0.044
12672-29-6	PCB-1248	ND		0.22	0.044
11097-69-1	PCB-1254	0.82		0.22	0.11
11096-82-5	PCB-1260	ND		0.22	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		60-154
2051-24-3	DCB Decachlorobiphenyl	96		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_278.D
Lims ID: 480-91253-A-9-A Lab Sample ID: 480-91253-9
Client ID: SS21-4
Sample Type: Client
Inject. Date: 19-Nov-2015 00:41:14 ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:15:20 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:15:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	57764	0.0206	
2	1.225	1.223	0.002	30022	0.0200	
					RPD = 3.04	
8 PCB-1254						M
1	3.222	3.217	0.005	20620	0.0963	
1	3.609	3.605	0.004	16501	0.1008	
1	3.685	3.682	0.003	34867	0.1651	
1	3.881	3.879	0.002	46833	0.2131	
		Average of Peak Amounts =			0.1438	
2	3.011	3.006	0.005	18876	0.1412	M
2	3.381	3.377	0.004	24315	0.1257	M
2	3.516	3.511	0.005	33751	0.1810	M
2	3.931	3.928	0.003	39871	0.2785	
		Average of Peak Amounts =			0.1816	
					RPD = 23.20	
$ 12 DCB Decachlorobiphenyl						
1	6.092	6.085	0.007	55498	0.0160	
2	5.571	5.565	0.006	50757	0.0192	
					RPD = 18.30	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

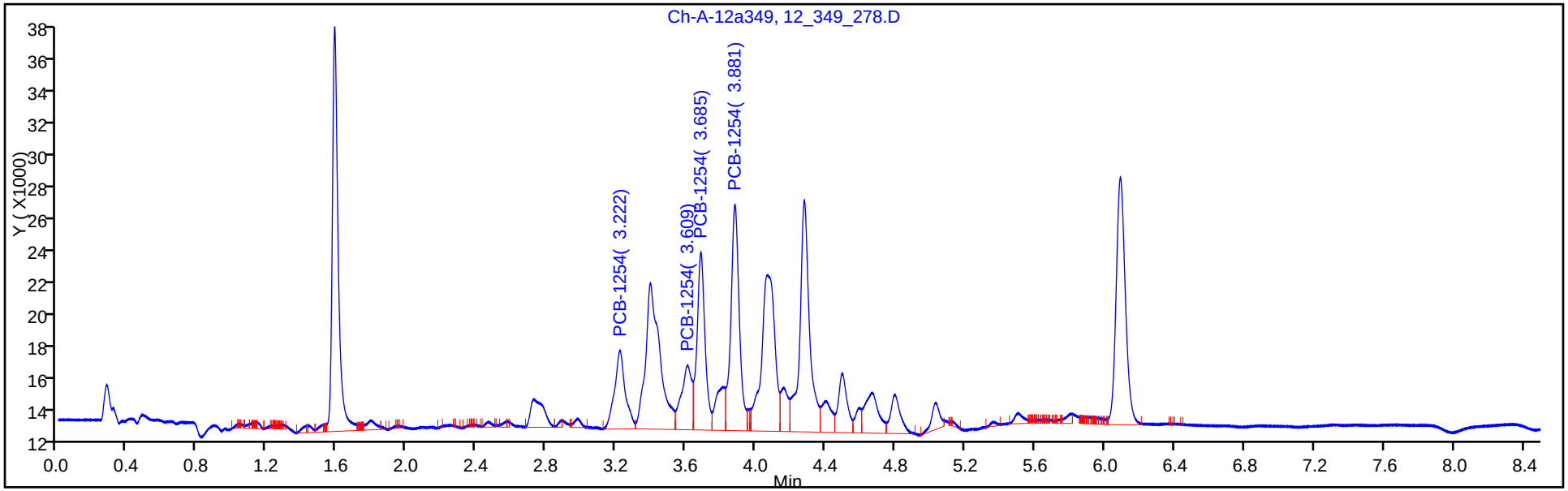
Report Date: 19-Nov-2015 12:15:21 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

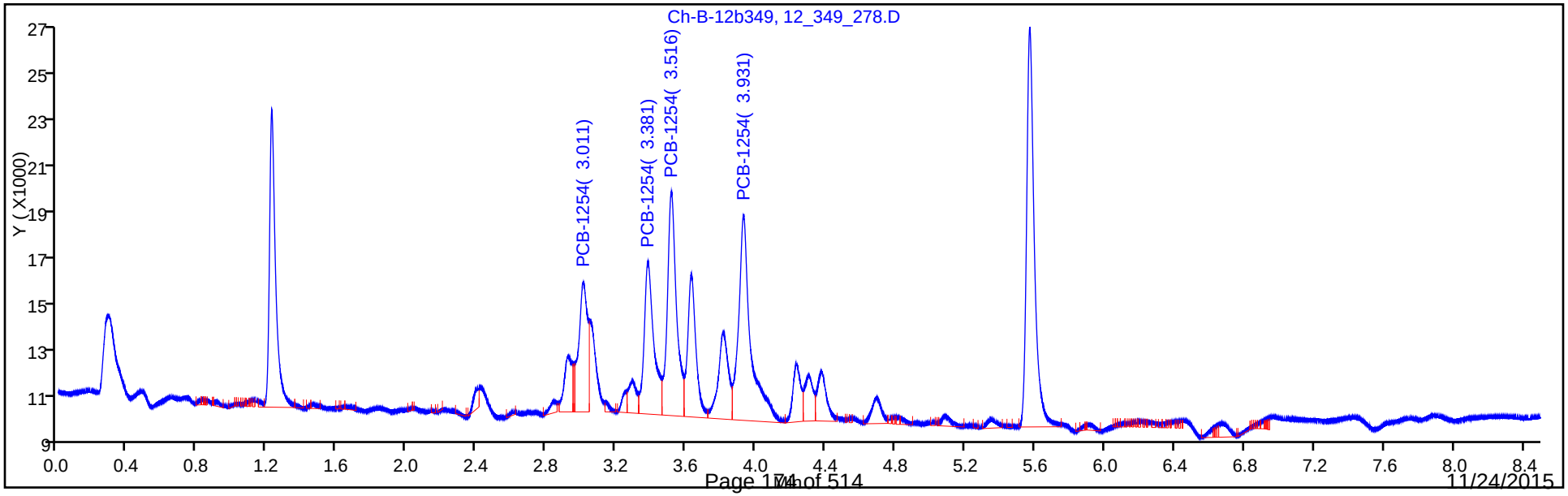
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_278.D

Injection Date:	19-Nov-2015 00:41:14	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-9-A	Lab Sample ID:	480-91253-9	Worklist Smp#:	44
Client ID:	SS21-4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:15:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

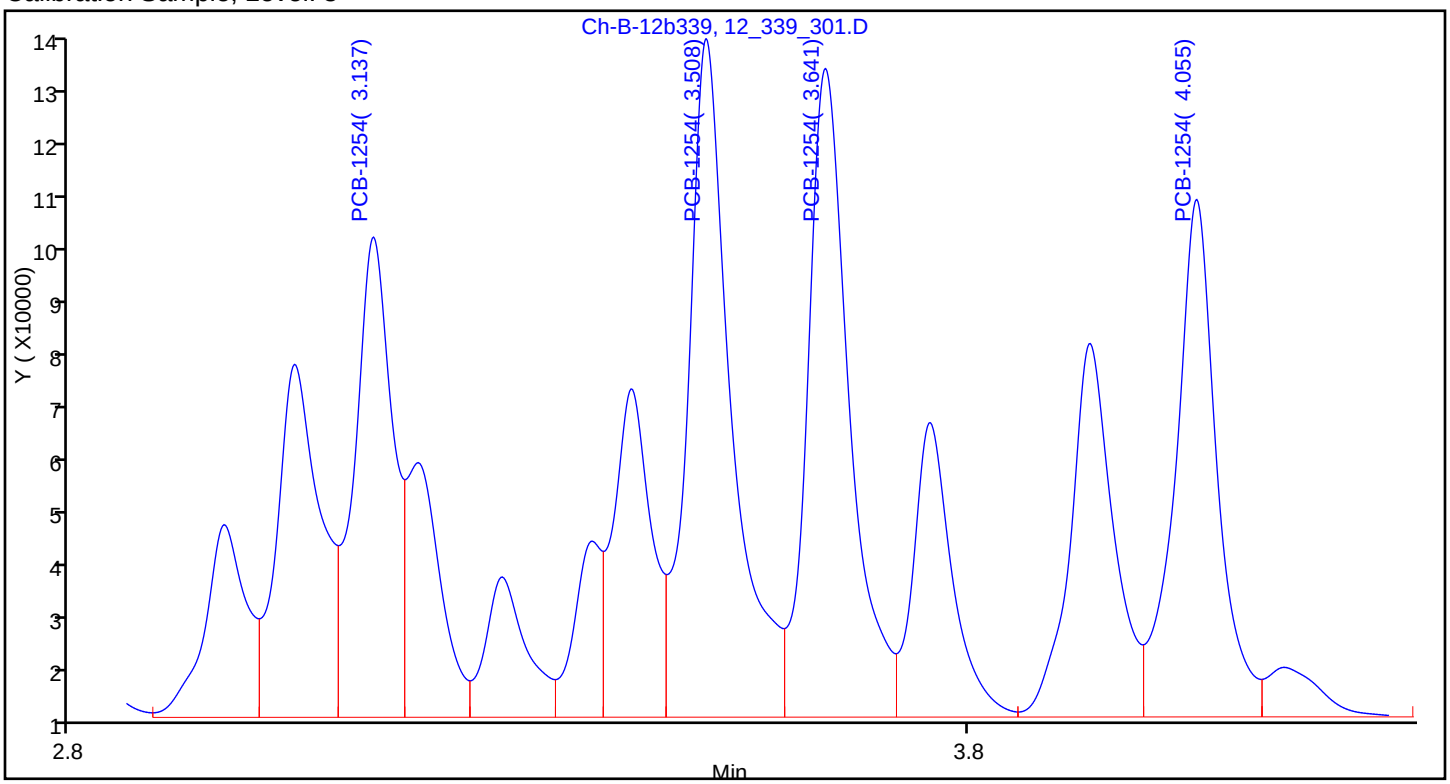
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_278.D

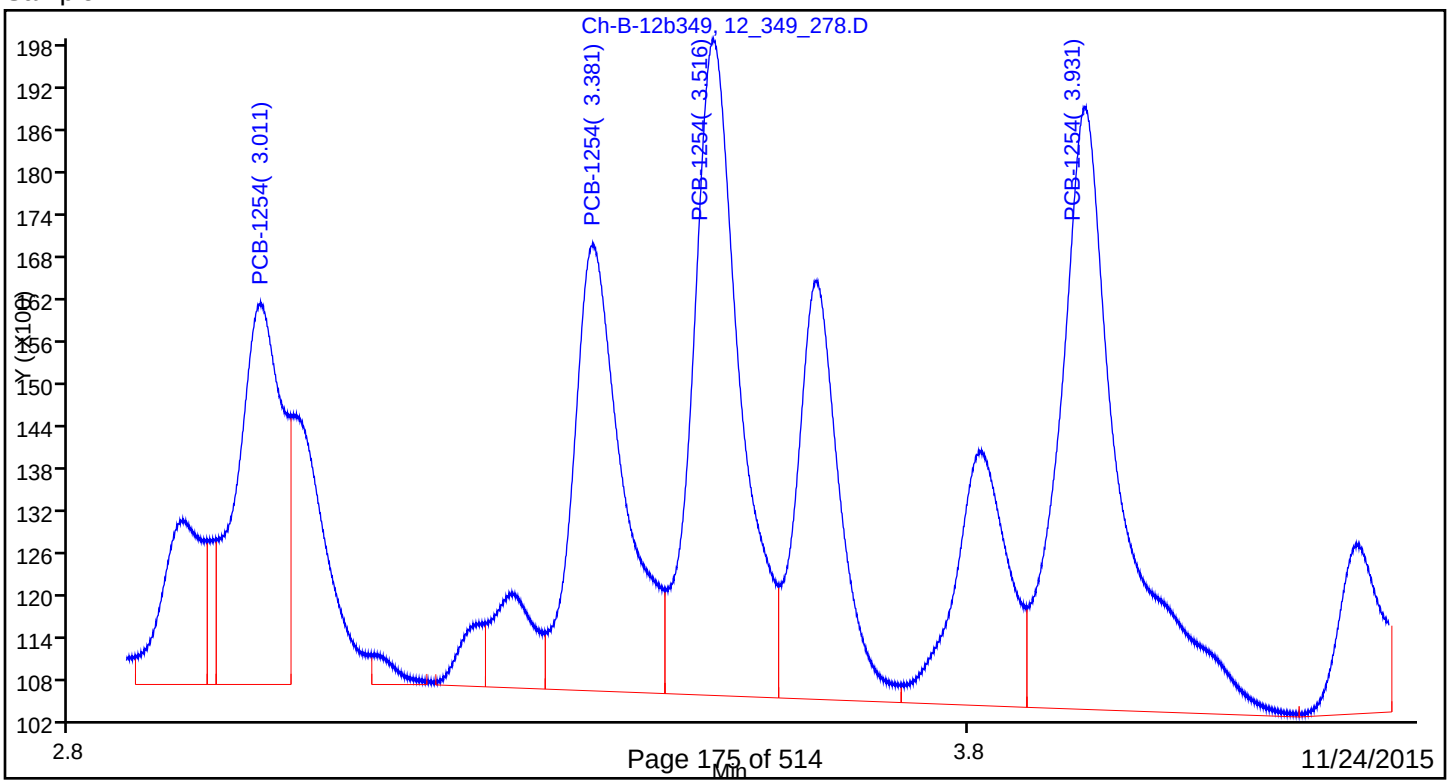
Injection Date:	19-Nov-2015 00:41:14	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-9-A	Lab Sample ID:	480-91253-9		
Client ID:	SS21-4				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



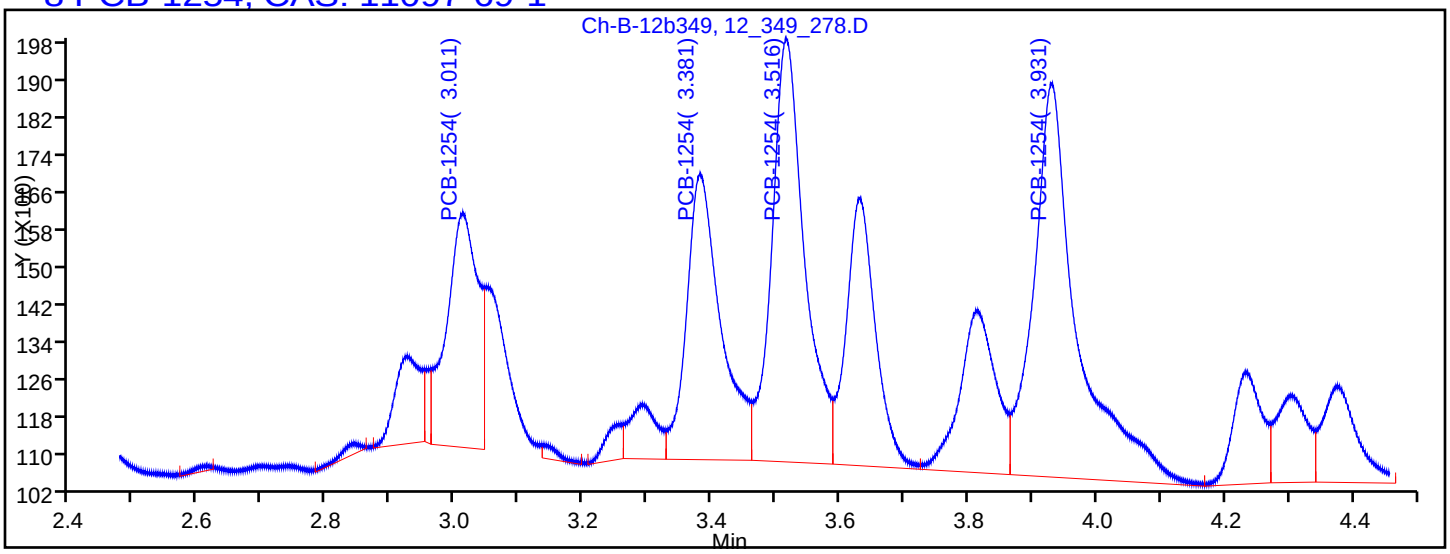
Report Date: 19-Nov-2015 12:15:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_278.D

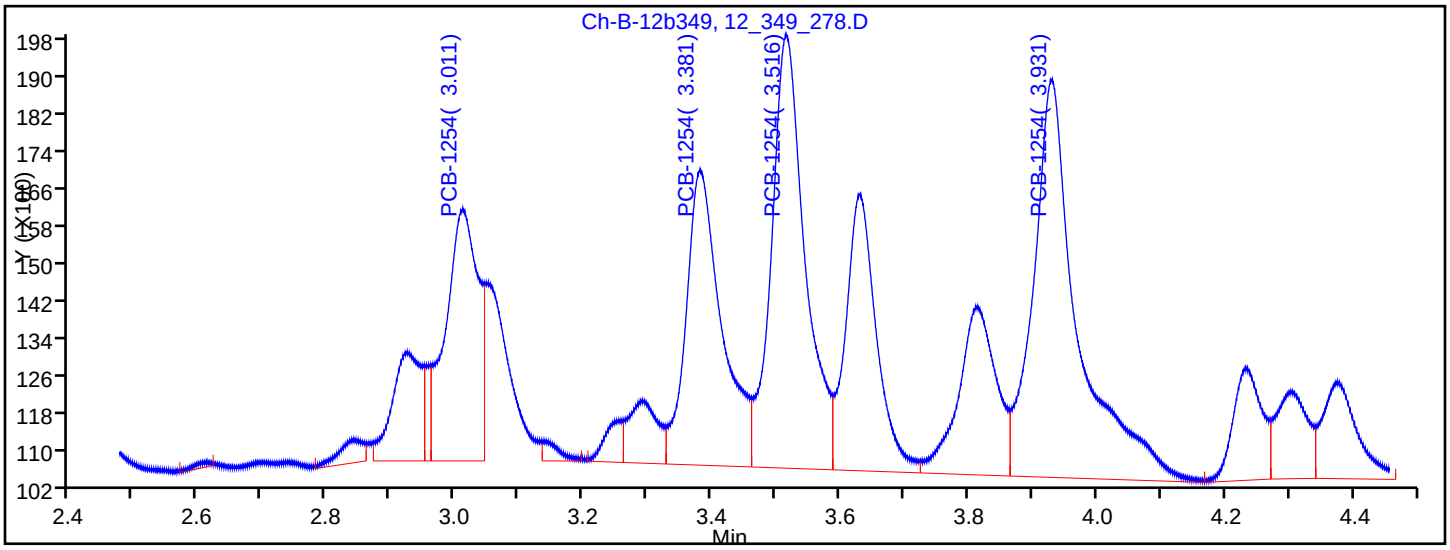
Injection Date:	19-Nov-2015 00:41:14	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-9-A	Lab Sample ID:	480-91253-9		
Client ID:	SS21-4				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.011	Response = 16988	M
RT = 3.381	Response = 22711	M
RT = 3.516	Response = 32147	M
RT = 3.931	Response = 39871	



Manual Integration Results

RT = 3.011	Response = 18876	M
RT = 3.381	Response = 24315	M
RT = 3.516	Response = 33751	M
RT = 3.931	Response = 39871	

Reviewer: owenj, 19-Nov-2015 12:15:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-5 | Lab Sample ID: 480-91253-10

Matrix: Solid | Lab File ID: 12_349_279.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:25

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.70(g) | Date Analyzed: 11/19/2015 00:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.22	0.043
11104-28-2	PCB-1221	ND		0.22	0.043
11141-16-5	PCB-1232	ND		0.22	0.043
53469-21-9	PCB-1242	ND		0.22	0.043
12672-29-6	PCB-1248	ND		0.22	0.043
11097-69-1	PCB-1254	1.6		0.22	0.10
11096-82-5	PCB-1260	ND		0.22	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		60-154
2051-24-3	DCB Decachlorobiphenyl	103		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_279.D
Lims ID: 480-91253-A-10-A Lab Sample ID: 480-91253-10
Client ID: SS21-5
Sample Type: Client
Inject. Date: 19-Nov-2015 00:56:59 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:16:07 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:16:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.587	1.583	0.004	56391	0.0201	
2	1.227	1.223	0.004	30453	0.0203	
					RPD = 0.79	
8 PCB-1254						
1	3.223	3.217	0.006	32647	0.1525	
1	3.613	3.605	0.008	21069	0.1287	
1	3.688	3.682	0.006	51283	0.2428	
1	3.884	3.879	0.005	67474	0.3071	
		Average of Peak Amounts =			0.2078	
2	3.015	3.006	0.009	59221	0.4430	
2	3.385	3.377	0.008	40302	0.2083	
2	3.519	3.511	0.008	54453	0.2921	
2	3.932	3.928	0.004	65806	0.4596	
		Average of Peak Amounts =			0.3508	
					RPD = 51.19	
$ 12 DCB Decachlorobiphenyl						
1	6.095	6.085	0.010	57207	0.0165	
2	5.575	5.565	0.010	54502	0.0206	
					RPD = 22.35	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

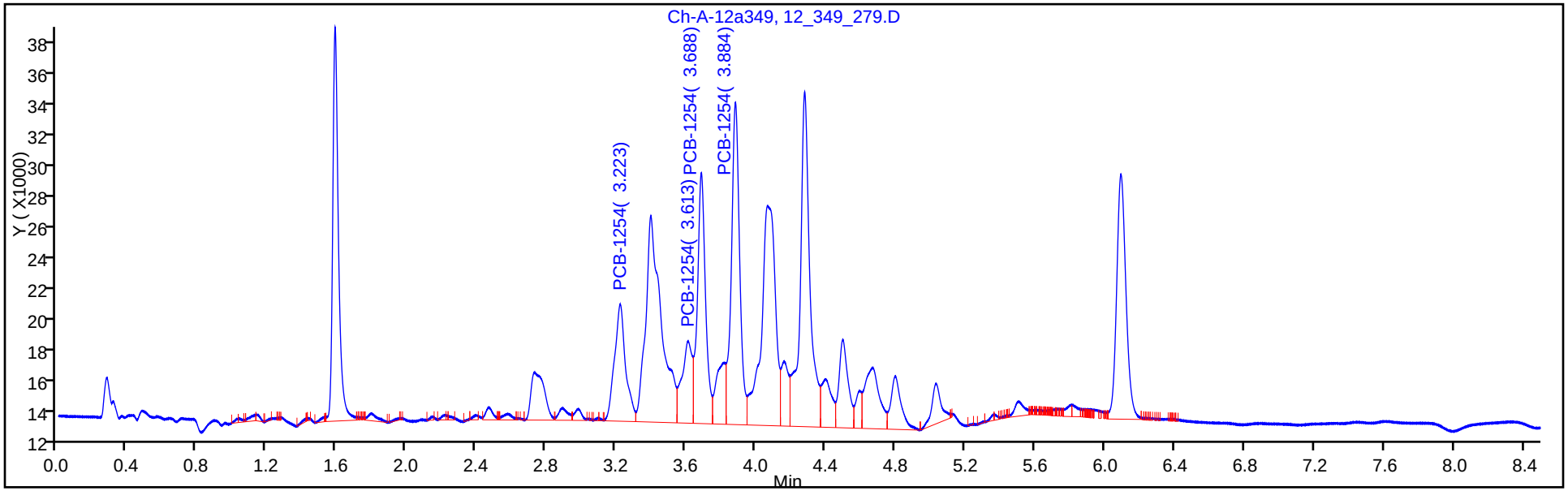
Report Date: 19-Nov-2015 12:16:08 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

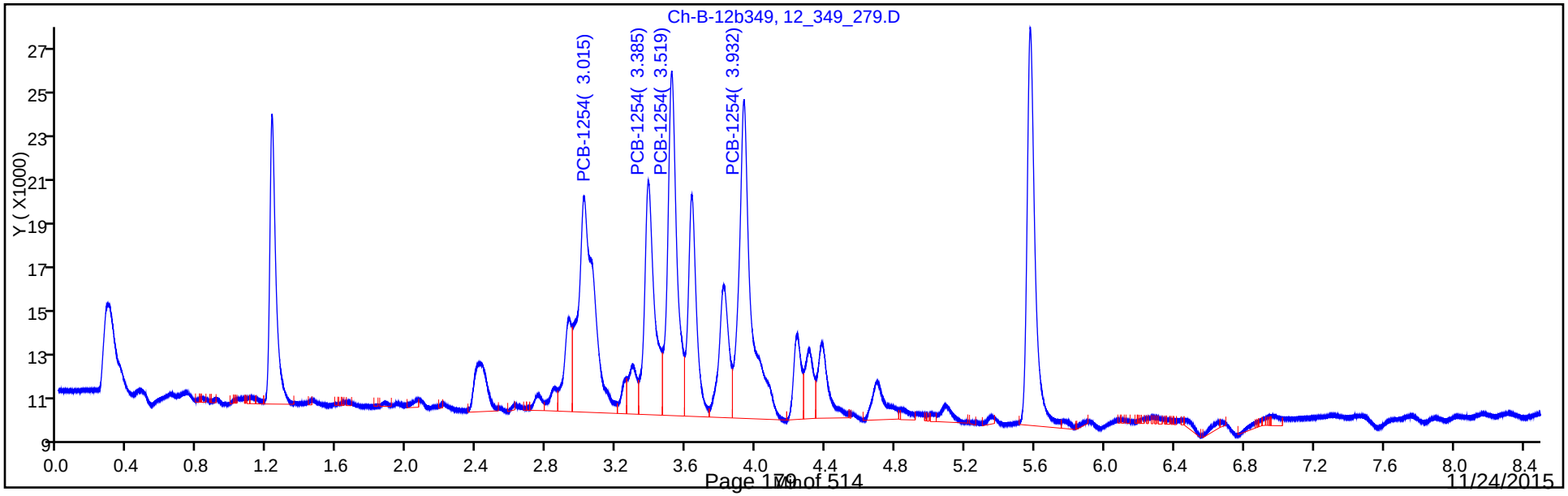
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_279.D

Injection Date:	19-Nov-2015 00:56:59	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-10-A	Lab Sample ID:	480-91253-10	Worklist Smp#:	45
Client ID:	SS21-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:16:09 Chrom Revision: 2.2 08-Oct-2015 07:17:48

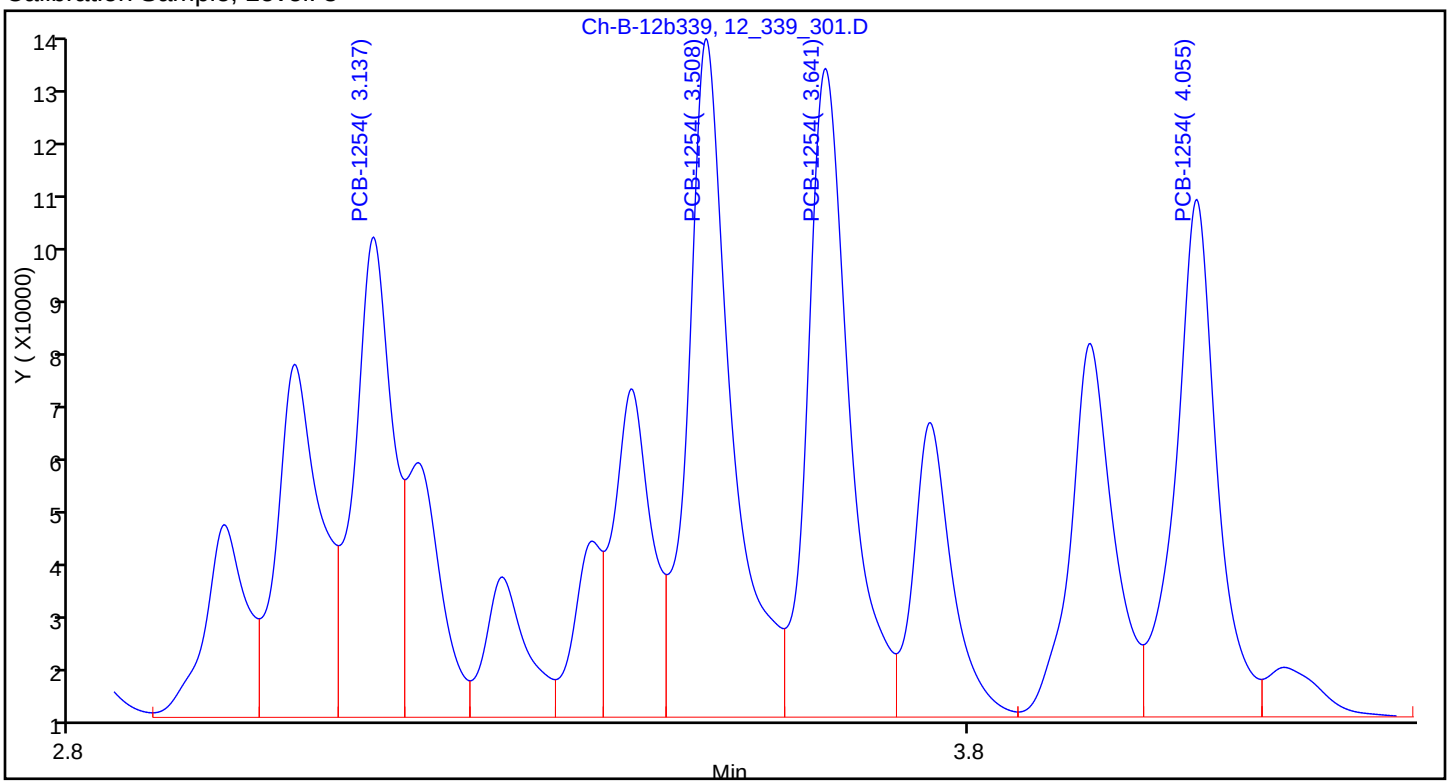
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_279.D

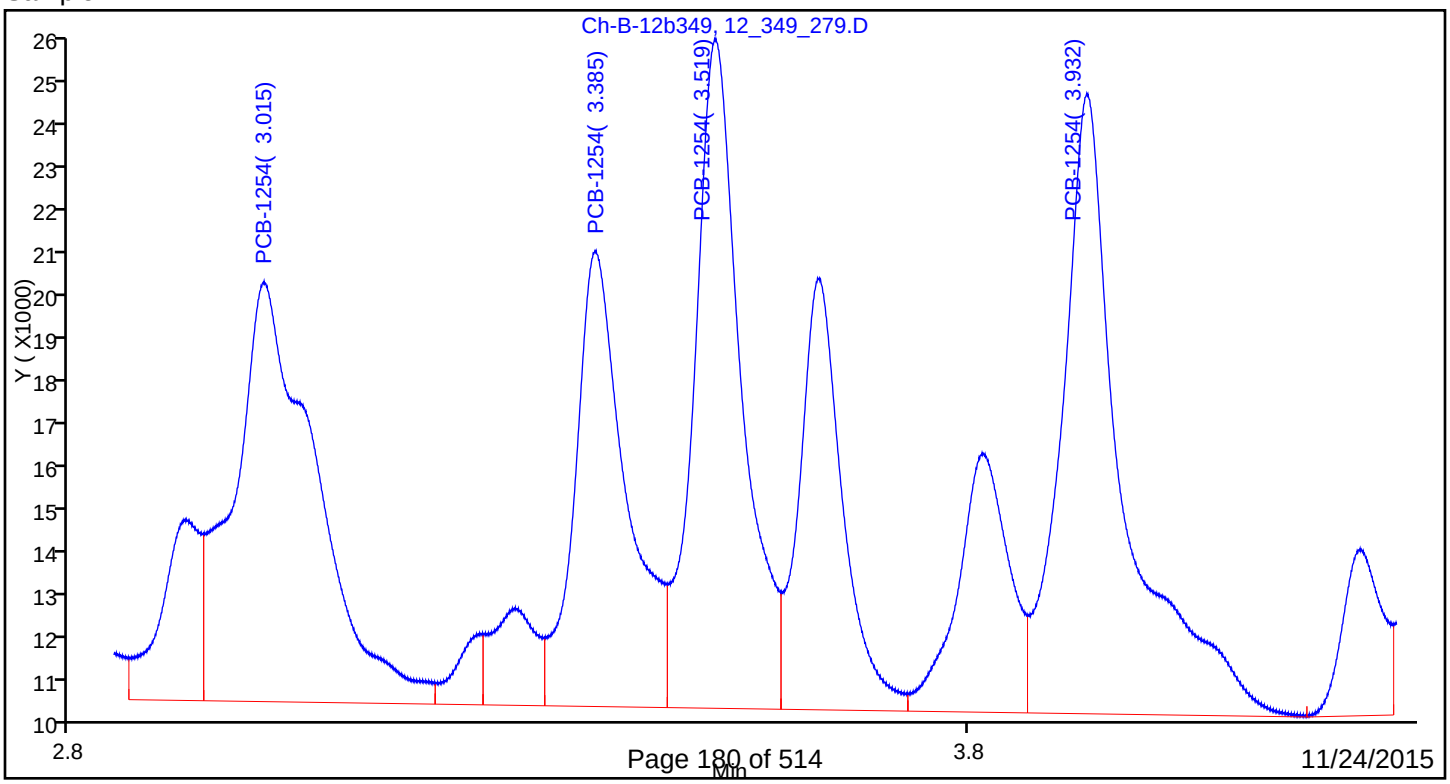
Injection Date:	19-Nov-2015 00:56:59	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-10-A	Lab Sample ID:	480-91253-10		
Client ID:	SS21-5				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-6 | Lab Sample ID: 480-91253-11

Matrix: Solid | Lab File ID: 12_349_280.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:35

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.40(g) | Date Analyzed: 11/19/2015 01:12

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.25	0.049
11104-28-2	PCB-1221	ND		0.25	0.049
11141-16-5	PCB-1232	ND		0.25	0.049
53469-21-9	PCB-1242	ND		0.25	0.049
12672-29-6	PCB-1248	ND		0.25	0.049
11097-69-1	PCB-1254	0.87		0.25	0.12
11096-82-5	PCB-1260	ND		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		60-154
2051-24-3	DCB Decachlorobiphenyl	96		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_280.D
Lims ID: 480-91253-A-11-C Lab Sample ID: 480-91253-11
Client ID: SS21-6
Sample Type: Client
Inject. Date: 19-Nov-2015 01:12:48 ALS Bottle#: 0 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:00:32 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:00:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.589	1.583	0.006	52986	0.0189	
2	1.227	1.223	0.004	28070	0.0187	
					RPD = 1.13	
8 PCB-1254						M
1	3.226	3.217	0.009	15086	0.0705	
1	3.613	3.605	0.008	12489	0.0763	M
1	3.689	3.682	0.007	27409	0.1298	M
1	3.885	3.879	0.006	40342	0.1836	M
		Average of Peak Amounts =			0.1150	
2	3.017	3.006	0.011	26172	0.1958	
2	3.387	3.377	0.010	19187	0.0992	
2	3.520	3.511	0.009	28496	0.1528	
2	3.935	3.928	0.007	35139	0.2454	
		Average of Peak Amounts =			0.1733	
					RPD = 40.41	
$ 12 DCB Decachlorobiphenyl						
1	6.094	6.085	0.009	53786	0.0155	
2	5.575	5.565	0.010	50595	0.0191	
					RPD = 21.09	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

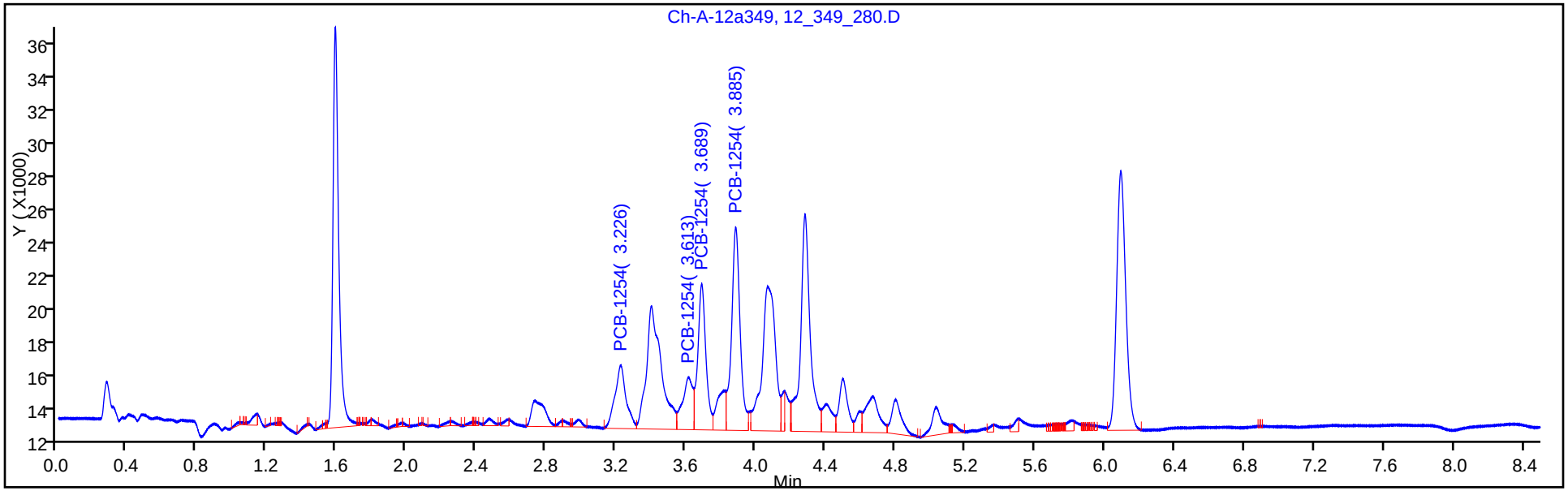
Report Date: 19-Nov-2015 12:00:33 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

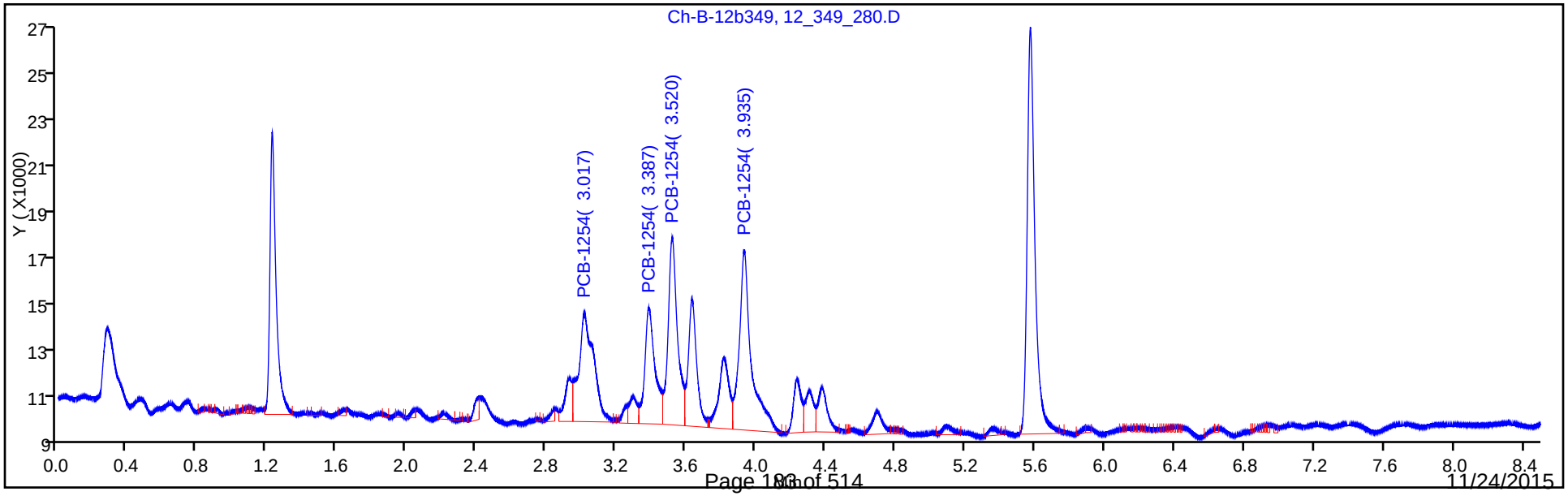
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_280.D

Injection Date:	19-Nov-2015 01:12:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-11-C	Lab Sample ID:	480-91253-11	Worklist Smp#:	46
Client ID:	SS21-6				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:00:33 Chrom Revision: 2.2 08-Oct-2015 07:17:48

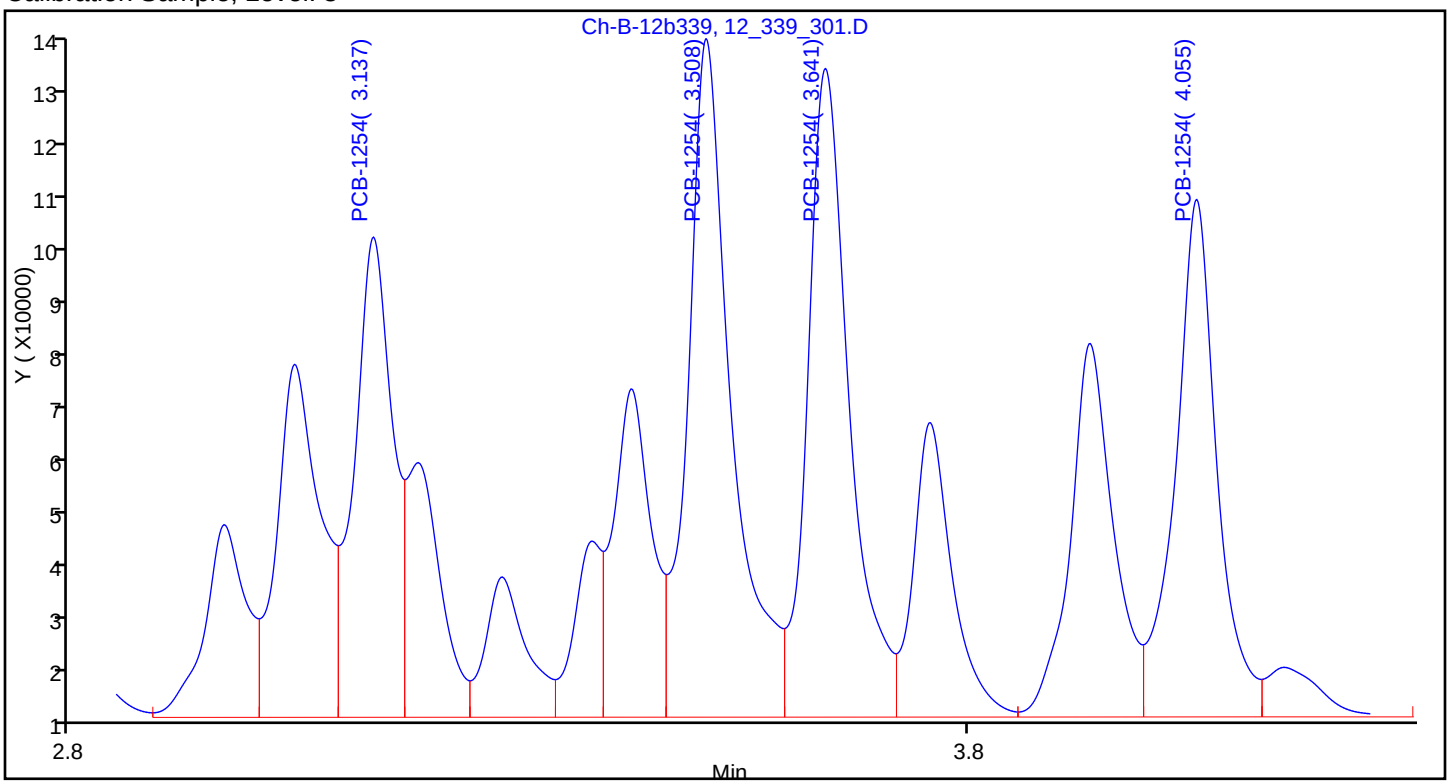
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_280.D

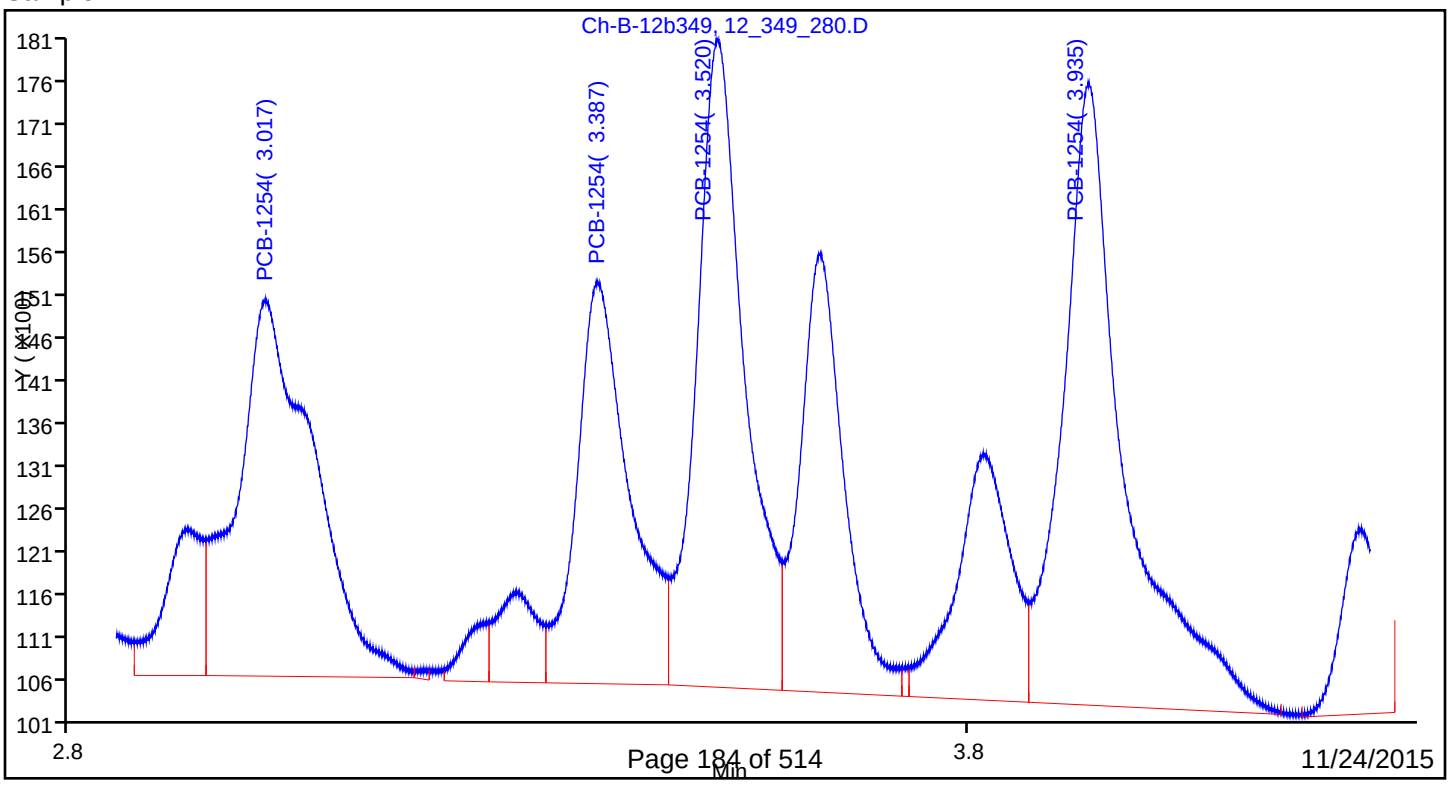
Injection Date:	19-Nov-2015 01:12:48	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-C	Lab Sample ID:	480-91253-11		
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-DUP | Lab Sample ID: 480-91253-12

Matrix: Solid | Lab File ID: 12_349_281.D

Analysis Method: 8082A | Date Collected: 11/17/2015 12:10

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.01(g) | Date Analyzed: 11/19/2015 01:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.058
11104-28-2	PCB-1221	ND		0.30	0.058
11141-16-5	PCB-1232	ND		0.30	0.058
53469-21-9	PCB-1242	ND		0.30	0.058
12672-29-6	PCB-1248	ND		0.30	0.058
11097-69-1	PCB-1254	1.1		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		60-154
2051-24-3	DCB Decachlorobiphenyl	97		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_281.D
Lims ID: 480-91253-A-12-A Lab Sample ID: 480-91253-12
Client ID: SS21-DUP
Sample Type: Client
Inject. Date: 19-Nov-2015 01:28:35 ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:17:21 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:17:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.587	1.583	0.004	56033	0.0200	
2	1.225	1.223	0.002	29660	0.0197	
					RPD = 1.21	
8 PCB-1254						M
1	3.221	3.217	0.004	16824	0.0786	
1	3.608	3.605	0.003	10801	0.0660	M
1	3.686	3.682	0.004	27279	0.1292	M
1	3.882	3.879	0.003	37336	0.1699	M
		Average of Peak Amounts =			0.1109	
2	3.015	3.006	0.009	36122	0.2702	
2	3.383	3.377	0.006	18986	0.0981	
2	3.517	3.511	0.006	27621	0.1481	
2	3.930	3.928	0.002	33435	0.2335	
		Average of Peak Amounts =			0.1875	
					RPD = 51.33	
$ 12 DCB Decachlorobiphenyl						
1	6.089	6.085	0.004	55901	0.0161	
2	5.571	5.565	0.006	51363	0.0194	
					RPD = 18.76	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

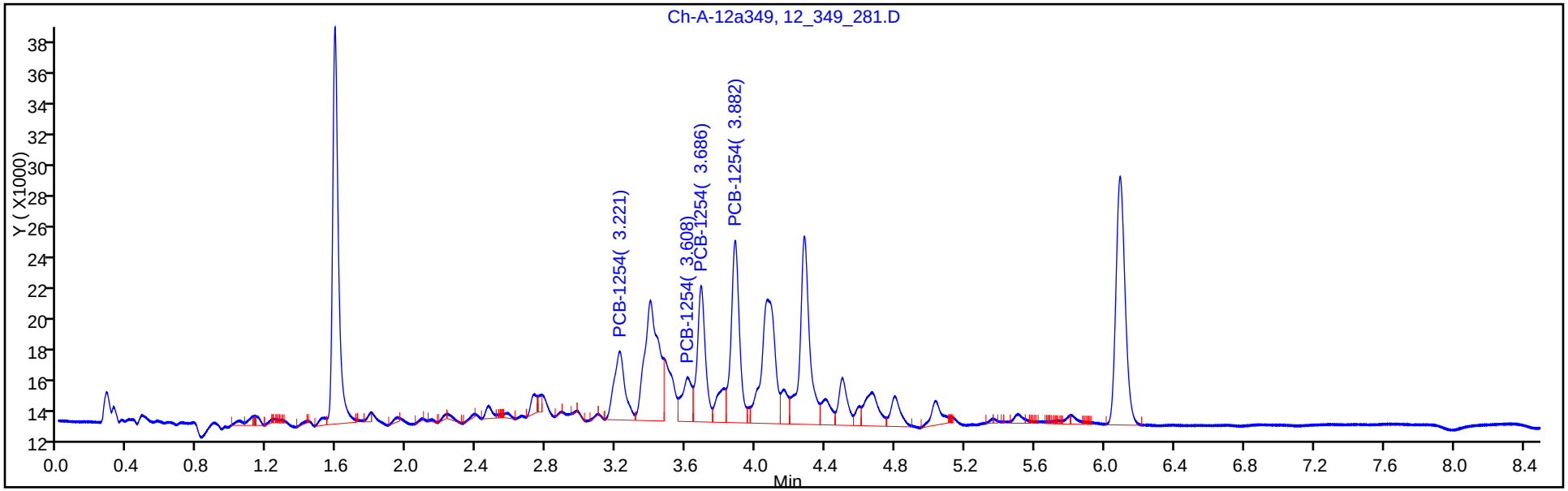
Report Date: 19-Nov-2015 12:17:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

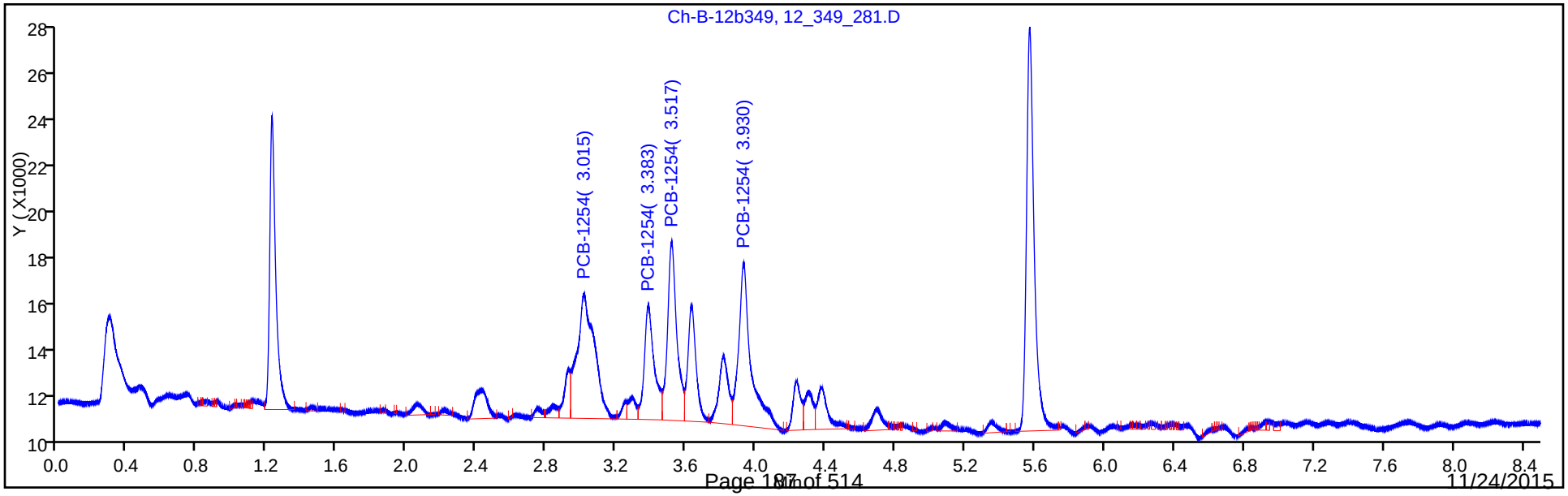
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_281.D

Injection Date:	19-Nov-2015 01:28:35	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-12-A	Lab Sample ID:	480-91253-12	Worklist Smp#:	47
Client ID:	SS21-DUP				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:17:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

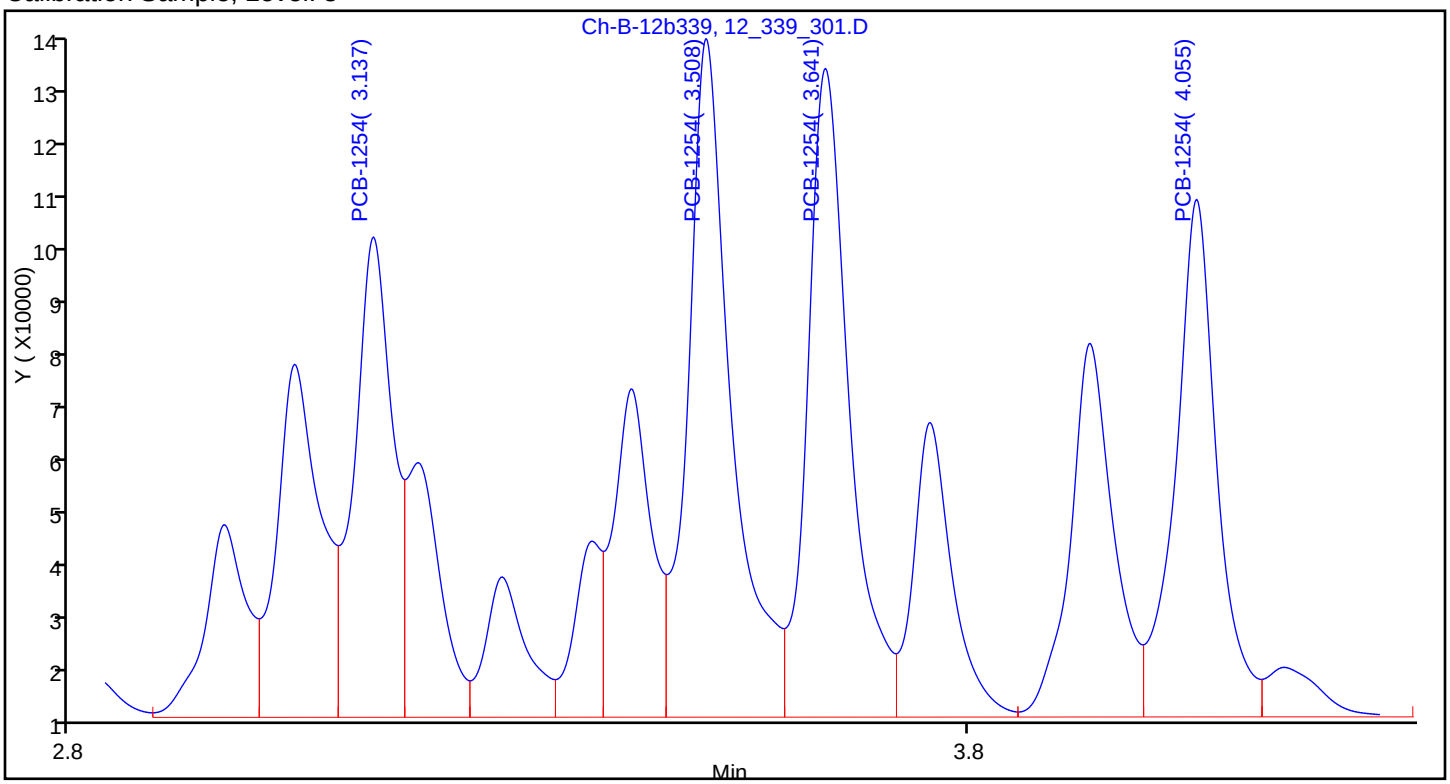
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_281.D

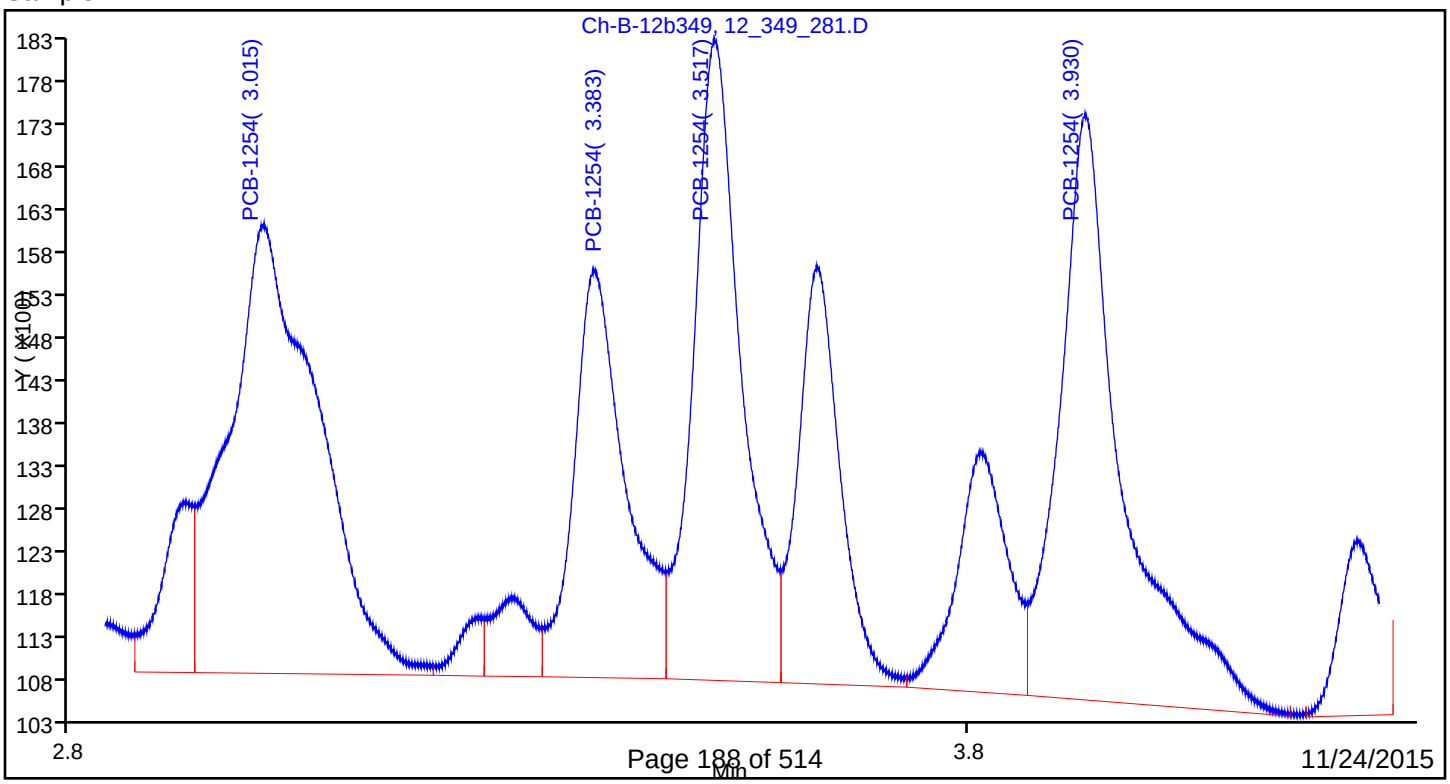
Injection Date:	19-Nov-2015 01:28:35	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-12-A	Lab Sample ID:	480-91253-12		
Client ID:	SS21-DUP				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-7 | Lab Sample ID: 480-91253-13

Matrix: Solid | Lab File ID: 12_349_282.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:50

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.02(g) | Date Analyzed: 11/19/2015 01:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 17.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.059
11104-28-2	PCB-1221	ND		0.30	0.059
11141-16-5	PCB-1232	ND		0.30	0.059
53469-21-9	PCB-1242	ND		0.30	0.059
12672-29-6	PCB-1248	ND		0.30	0.059
11097-69-1	PCB-1254	2.5		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	106		60-154
2051-24-3	DCB Decachlorobiphenyl	99		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_282.D
Lims ID: 480-91253-A-13-A Lab Sample ID: 480-91253-13
Client ID: SS21-7
Sample Type: Client
Inject. Date: 19-Nov-2015 01:44:23 ALS Bottle#: 0 Worklist Smp#: 48
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:17:53 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:17:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	55740	0.0199	
2	1.223	1.223	0.000	31903	0.0212	
					RPD = 6.60	
8 PCB-1254						
1	3.219	3.217	0.002	47847	0.2236	
1	3.606	3.605	0.001	31759	0.1940	
1	3.683	3.682	0.001	68271	0.3233	
1	3.879	3.879	0.000	92644	0.4216	
		Average of Peak Amounts =			0.2906	
2	3.010	3.006	0.004	44562	0.3334	
2	3.380	3.377	0.003	57538	0.2974	
2	3.512	3.511	0.001	75969	0.4075	
2	3.927	3.928	-0.001	86731	0.6057	
		Average of Peak Amounts =			0.4110	
					RPD = 34.31	
$ 12 DCB Decachlorobiphenyl						
1	6.091	6.085	0.006	57604	0.0166	
2	5.571	5.565	0.006	52123	0.0197	
					RPD = 17.24	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

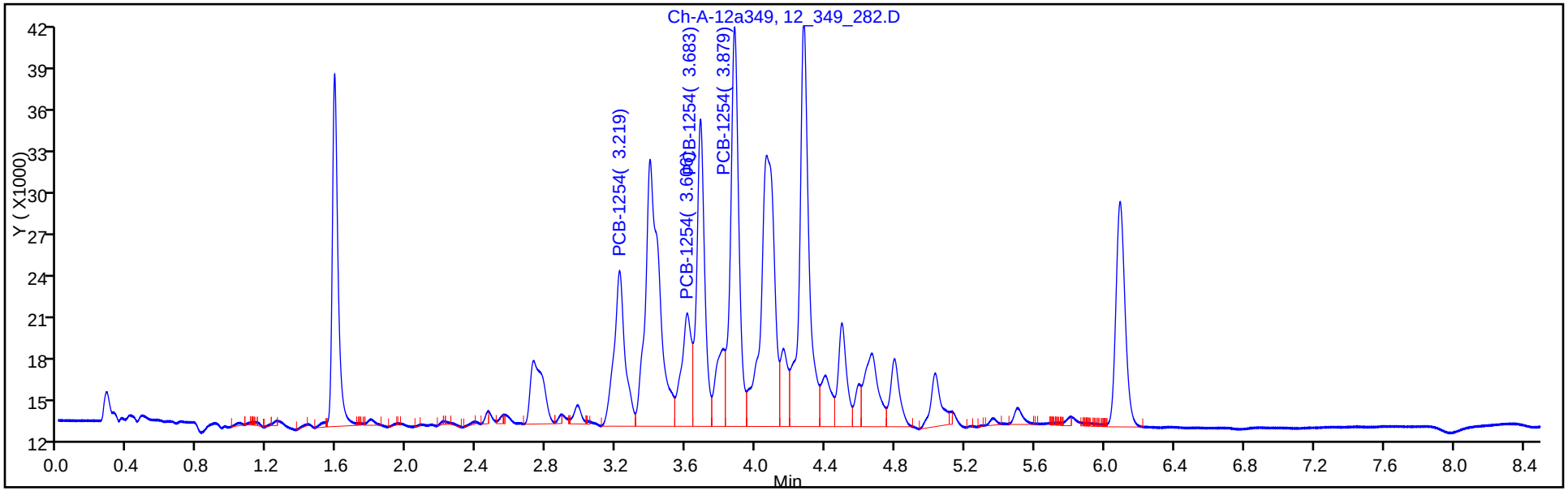
Report Date: 19-Nov-2015 12:17:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

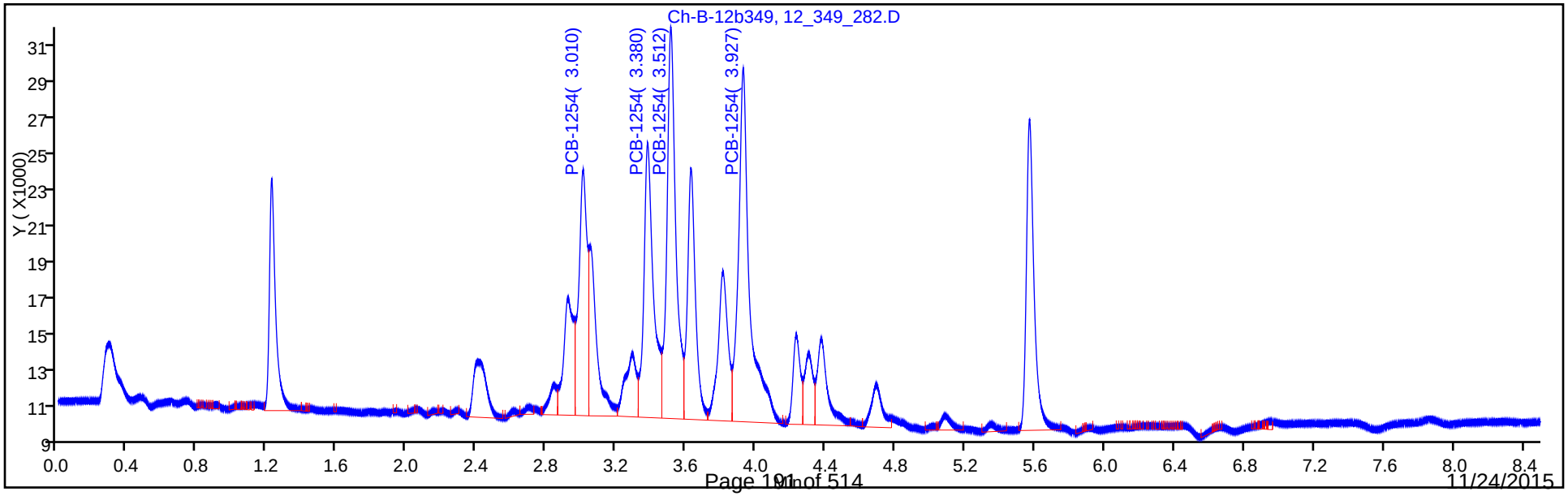
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_282.D

Injection Date:	19-Nov-2015 01:44:23	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-13-A	Lab Sample ID:	480-91253-13	Worklist Smp#:	48
Client ID:	SS21-7				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:17:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

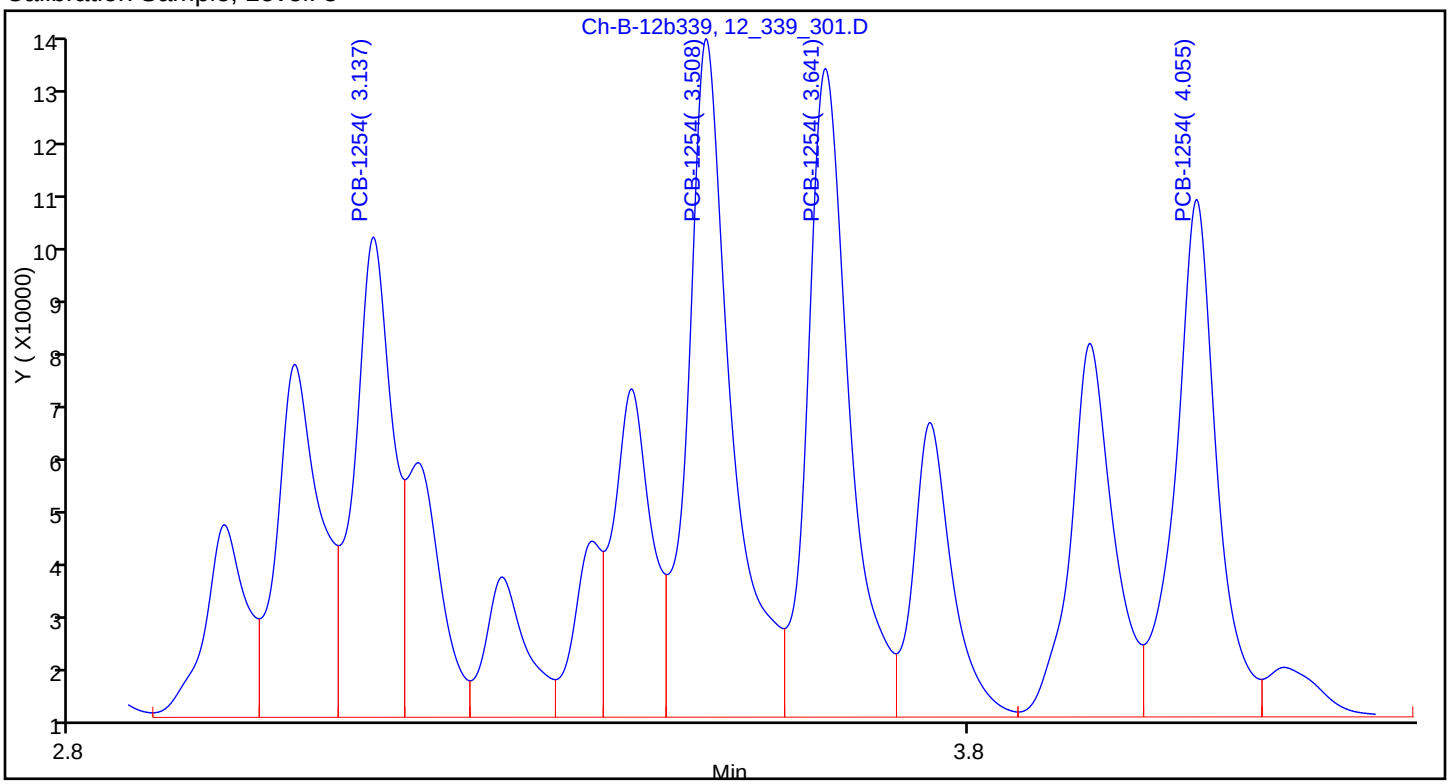
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_282.D

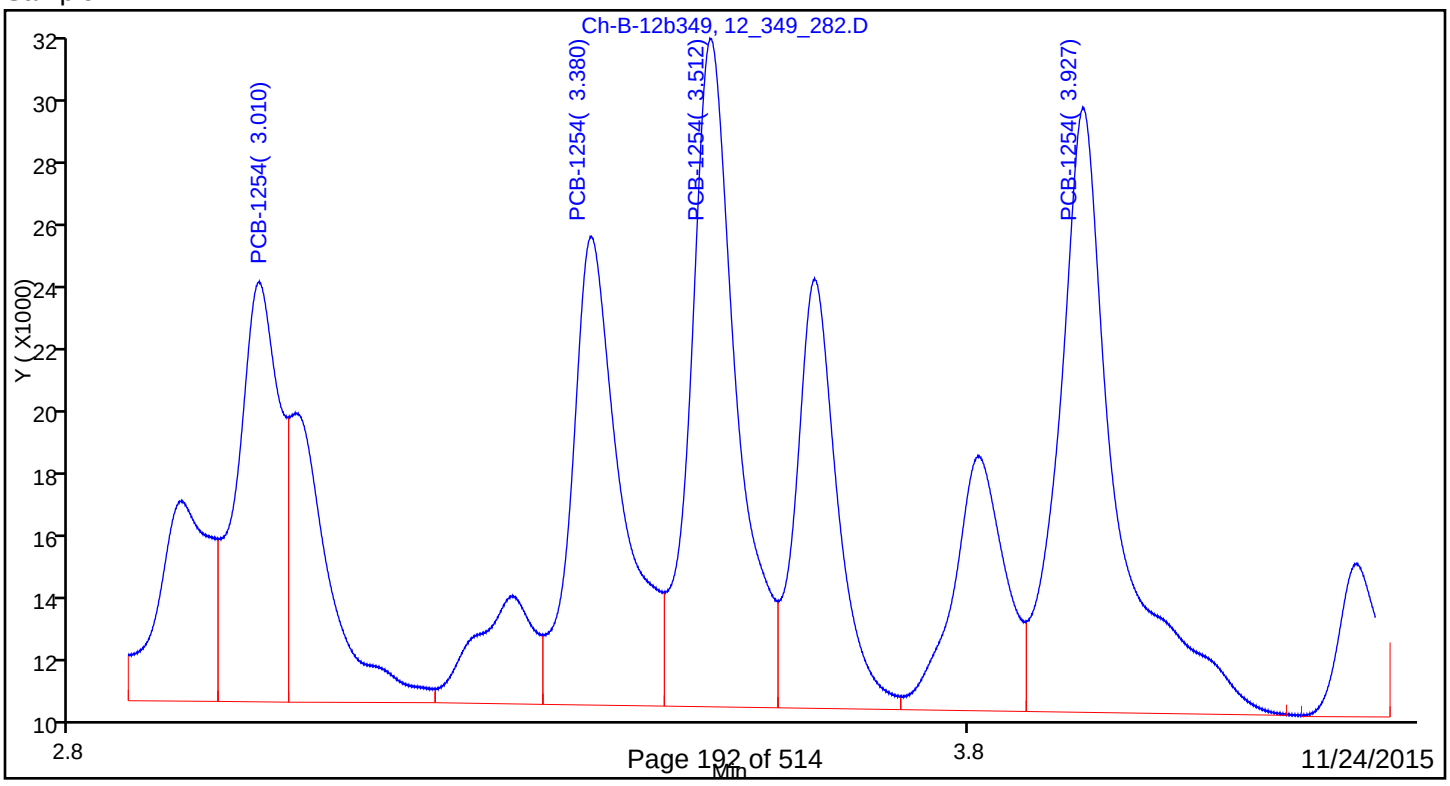
Injection Date:	19-Nov-2015 01:44:23	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-13-A	Lab Sample ID:	480-91253-13		
Client ID:	SS21-7				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-8 | Lab Sample ID: 480-91253-14

Matrix: Solid | Lab File ID: 12_349_283.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:55

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.22(g) | Date Analyzed: 11/19/2015 02:00

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 17.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.053
11104-28-2	PCB-1221	ND		0.27	0.053
11141-16-5	PCB-1232	ND		0.27	0.053
53469-21-9	PCB-1242	ND		0.27	0.053
12672-29-6	PCB-1248	ND		0.27	0.053
11097-69-1	PCB-1254	0.75		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		60-154
2051-24-3	DCB Decachlorobiphenyl	96		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_283.D
Lims ID: 480-91253-A-14-A Lab Sample ID: 480-91253-14
Client ID: SS21-8
Sample Type: Client
Inject. Date: 19-Nov-2015 02:00:07 ALS Bottle#: 0 Worklist Smp#: 49
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:19:05 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:19:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	56704	0.0202	
2	1.224	1.223	0.001	29512	0.0196	
					RPD = 2.90	
8 PCB-1254						M
1	3.219	3.217	0.002	12068	0.0564	
1	3.609	3.605	0.004	8589	0.0525	M
1	3.685	3.682	0.003	19784	0.0937	M
1	3.881	3.879	0.002	29117	0.1325	M
		Average of Peak Amounts =			0.0838	
2	3.013	3.006	0.007	22473	0.1681	
2	3.381	3.377	0.004	14595	0.0754	
2	3.515	3.511	0.004	21607	0.1159	
2	3.929	3.928	0.001	26809	0.1872	
		Average of Peak Amounts =			0.1367	
					RPD = 48.01	
$ 12 DCB Decachlorobiphenyl						
1	6.091	6.085	0.006	55578	0.0160	
2	5.571	5.565	0.006	50938	0.0193	
					RPD = 18.51	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

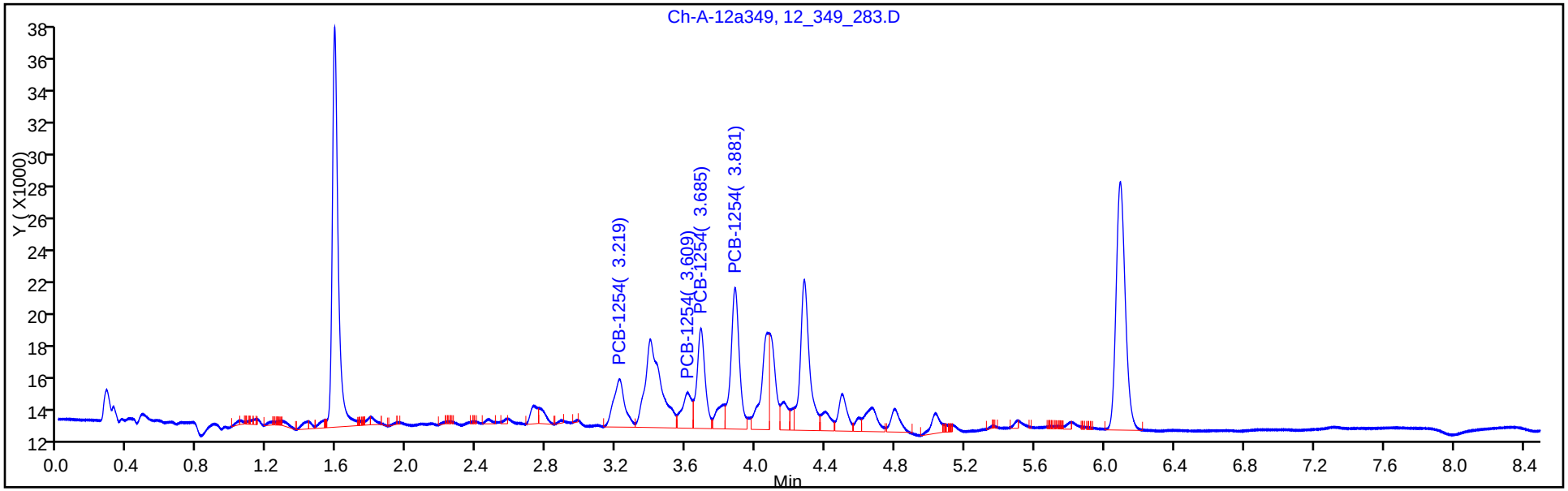
Report Date: 19-Nov-2015 12:19:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

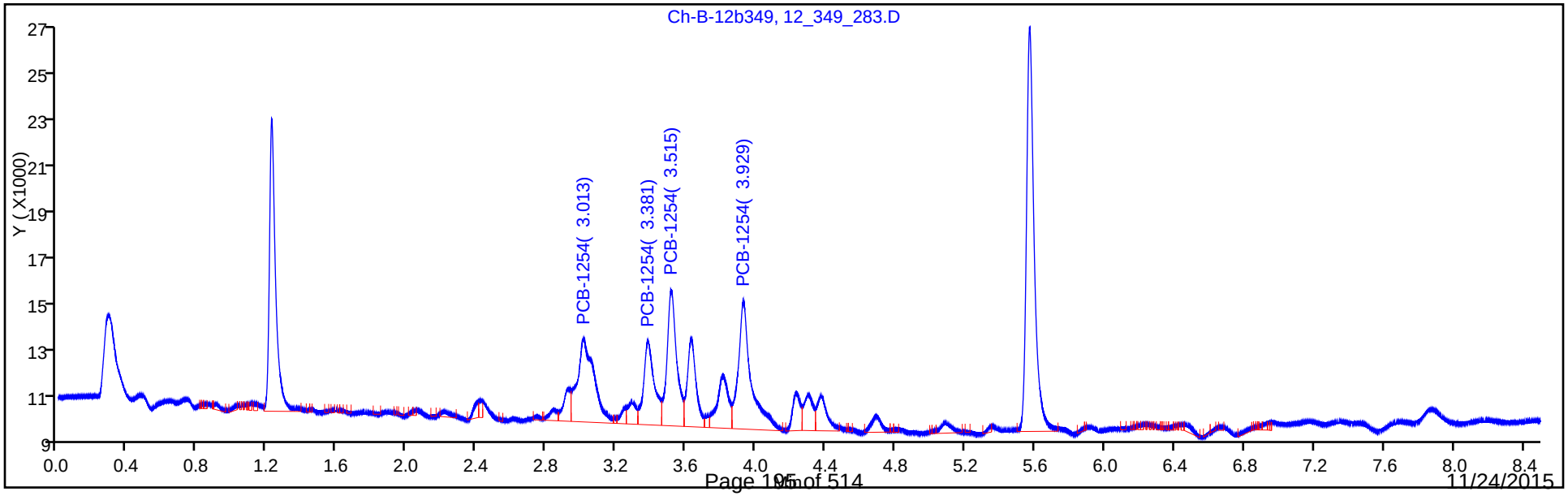
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_283.D

Injection Date:	19-Nov-2015 02:00:07	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-14-A	Lab Sample ID:	480-91253-14	Worklist Smp#:	49
Client ID:	SS21-8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:19:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

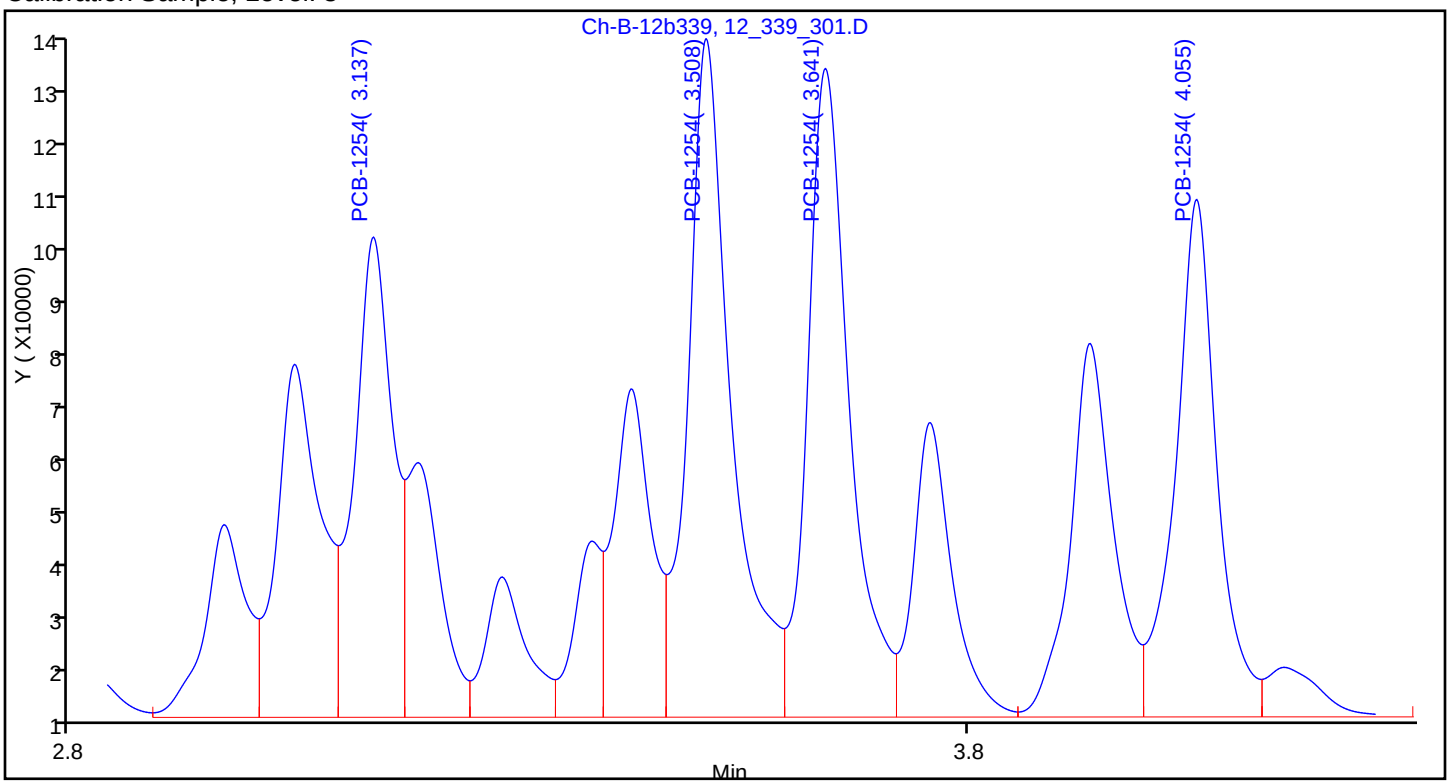
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_283.D

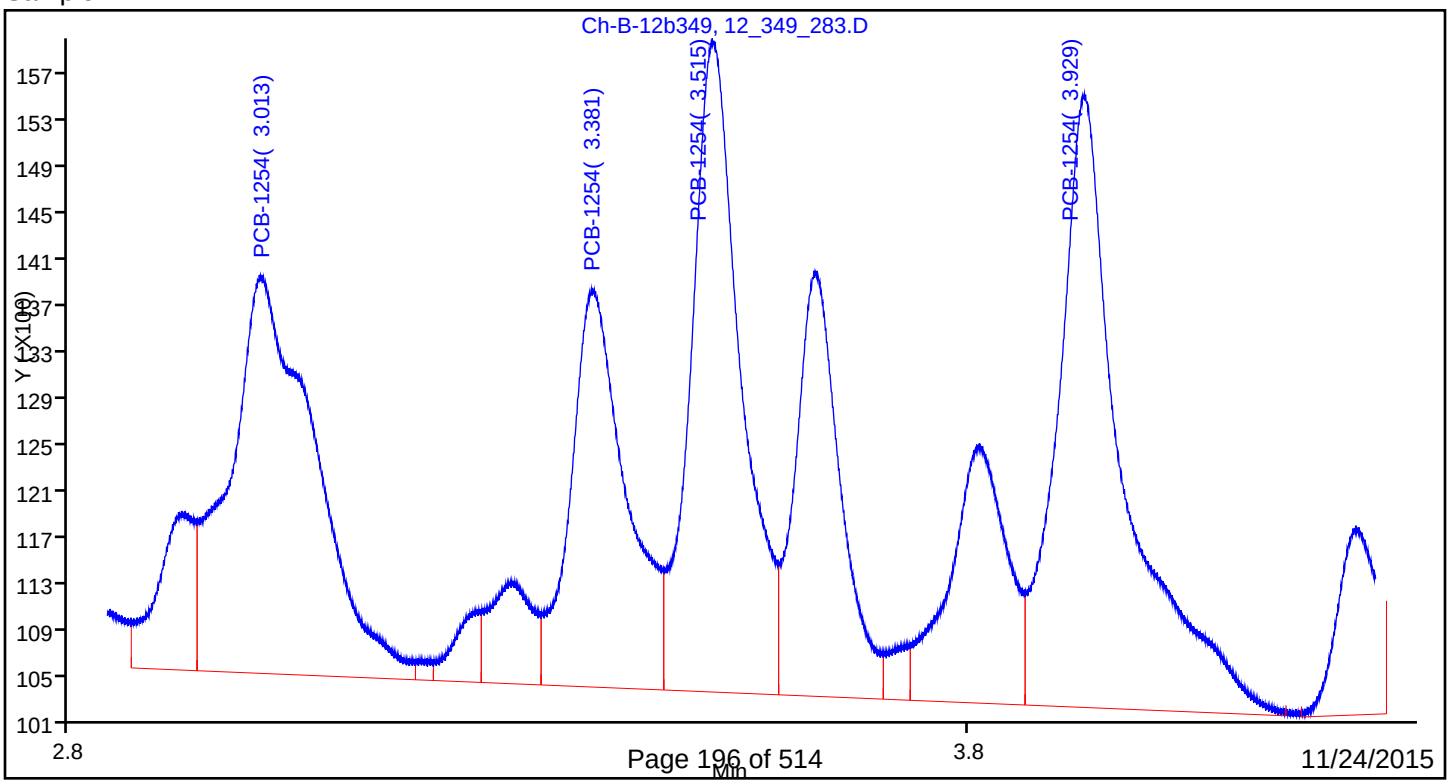
Injection Date:	19-Nov-2015 02:00:07	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-14-A	Lab Sample ID:	480-91253-14		
Client ID:	SS21-8				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	49
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-1 | Lab Sample ID: 480-91253-15

Matrix: Solid | Lab File ID: 12_349_286.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:20

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.87(g) | Date Analyzed: 11/19/2015 02:47

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.19	0.037
11104-28-2	PCB-1221	ND		0.19	0.037
11141-16-5	PCB-1232	ND		0.19	0.037
53469-21-9	PCB-1242	ND		0.19	0.037
12672-29-6	PCB-1248	ND		0.19	0.037
11097-69-1	PCB-1254	0.12	J	0.19	0.090
11096-82-5	PCB-1260	ND		0.19	0.090

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		60-154
2051-24-3	DCB Decachlorobiphenyl	100		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_286.D
Lims ID: 480-91253-A-15-A Lab Sample ID: 480-91253-15
Client ID: SS7-1
Sample Type: Client
Inject. Date: 19-Nov-2015 02:47:32 ALS Bottle#: 0 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:19:47 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:19:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.586	1.583	0.003	56095	0.0200	
2	1.225	1.223	0.002	29991	0.0200	
					RPD = 0.21	
8 PCB-1254						
1	3.223	3.217	0.006	3465	0.0162	
1	3.609	3.605	0.004	1482	0.009055	
1	3.689	3.682	0.007	6148	0.0291	
1	3.883	3.879	0.004	7909	0.0360	
		Average of Peak Amounts =			0.0226	
2	3.012	3.006	0.006	3824	0.0286	
2	3.382	3.377	0.005	3577	0.0185	
2	3.520	3.511	0.009	5493	0.0295	
2	3.933	3.928	0.005	7200	0.0503	
		Average of Peak Amounts =			0.0317	
					RPD = 33.61	
$ 12 DCB Decachlorobiphenyl						
1	6.088	6.085	0.003	62980	0.0181	
2	5.569	5.565	0.004	52758	0.0200	
					RPD = 9.57	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

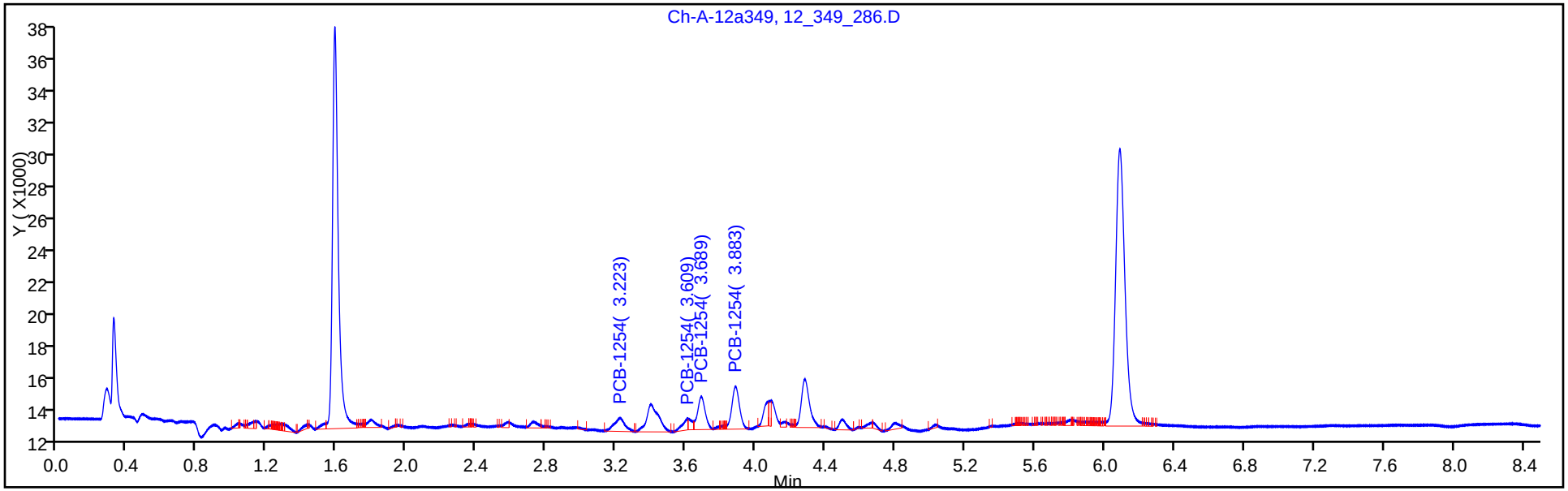
Report Date: 19-Nov-2015 12:19:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

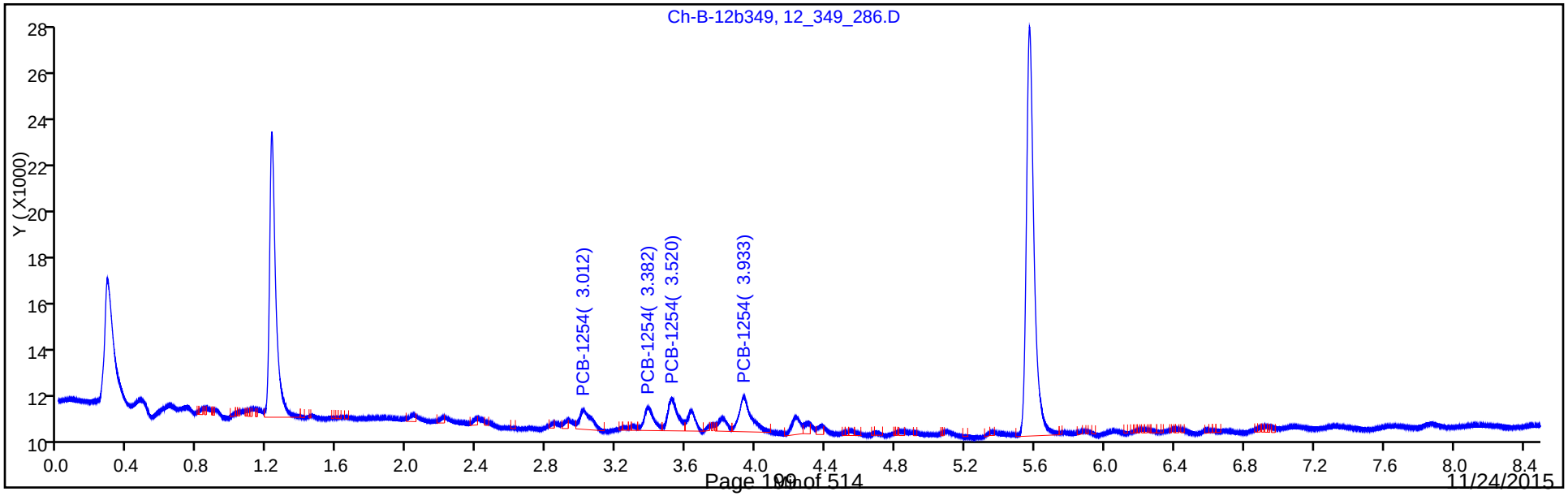
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_286.D

Injection Date:	19-Nov-2015 02:47:32	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-15-A	Lab Sample ID:	480-91253-15	Worklist Smp#:	52
Client ID:	SS7-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:19:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

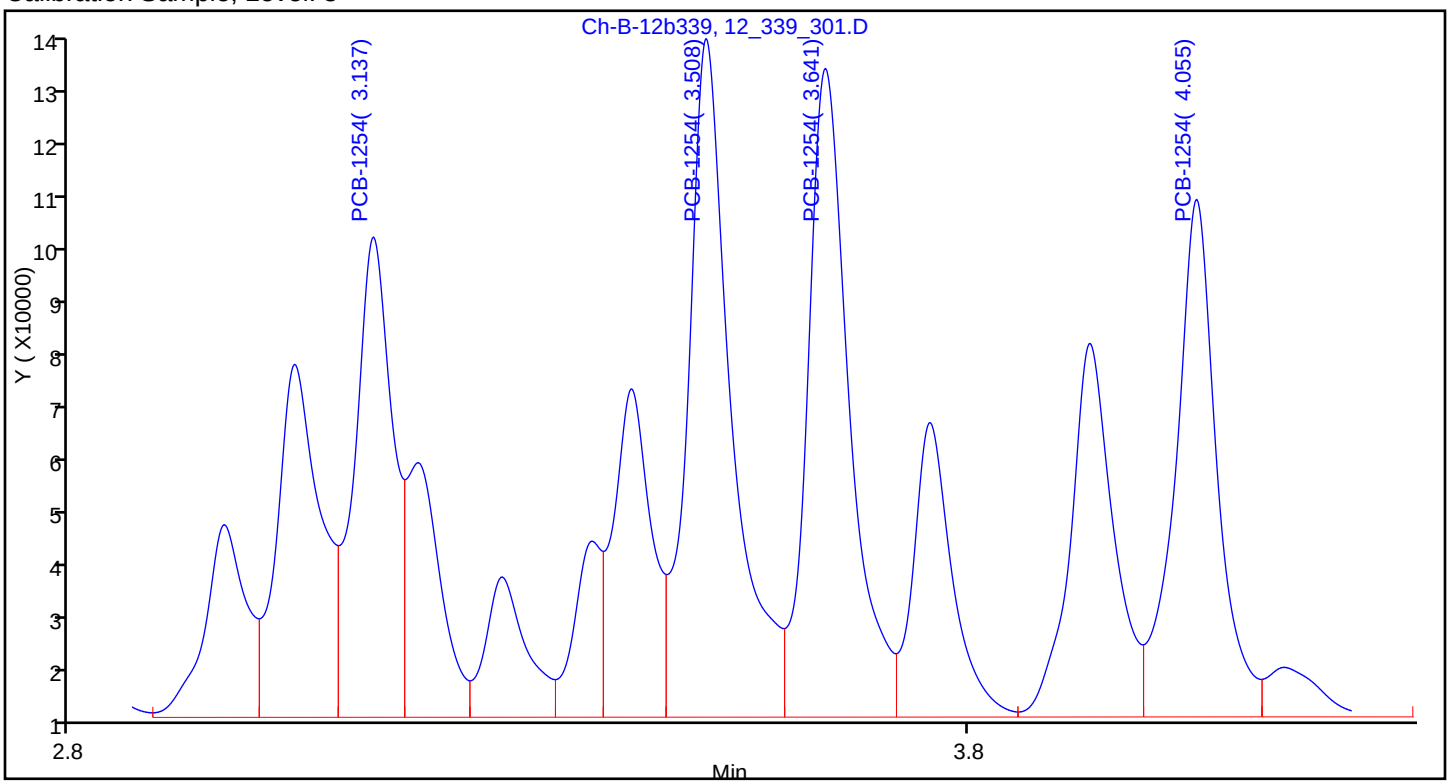
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_286.D

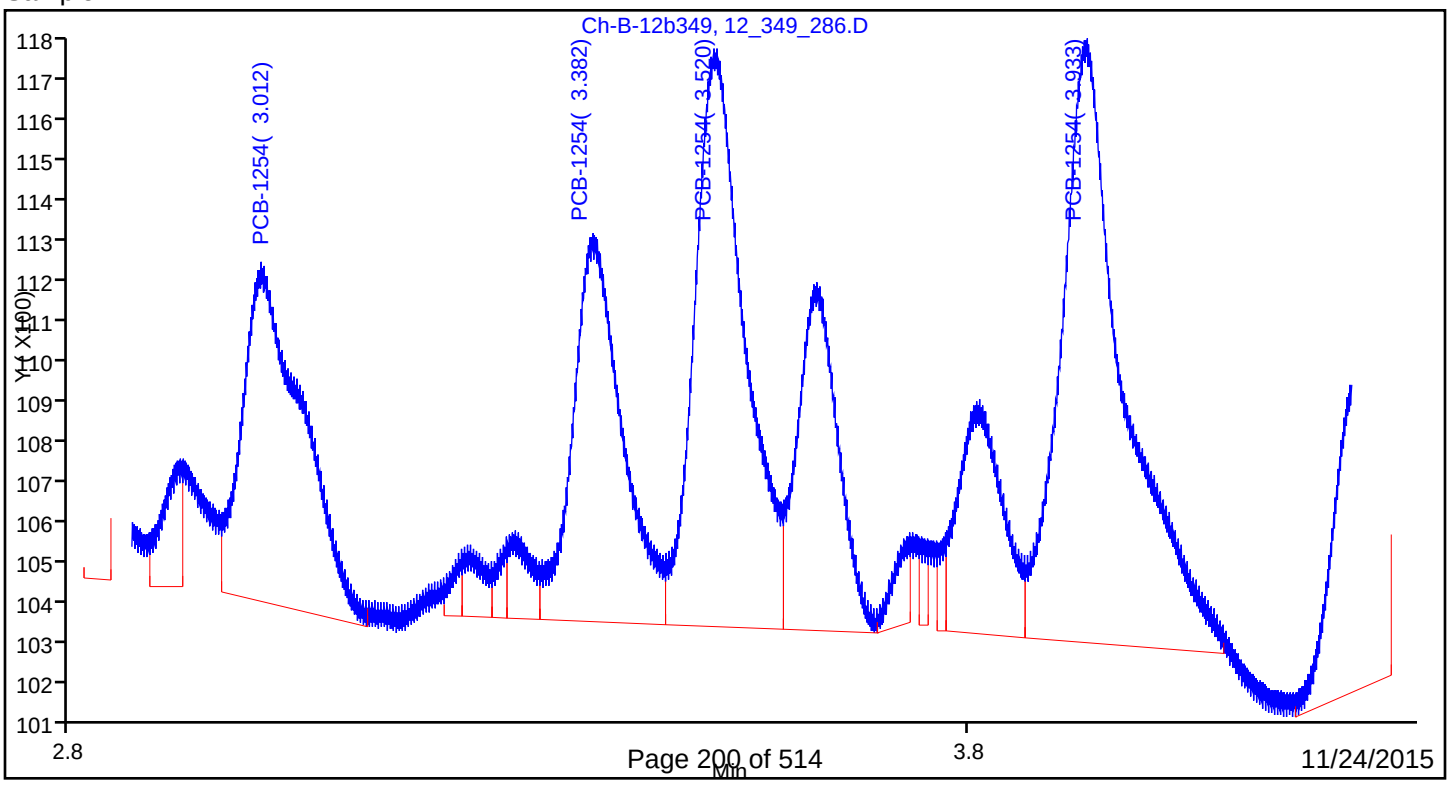
Injection Date:	19-Nov-2015 02:47:32	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-15-A	Lab Sample ID:	480-91253-15		
Client ID:	SS7-1				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	52
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-2 | Lab Sample ID: 480-91253-16

Matrix: Solid | Lab File ID: 12_349_287.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:35

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.49(g) | Date Analyzed: 11/19/2015 03:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 9.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.22	0.043
11104-28-2	PCB-1221	ND		0.22	0.043
11141-16-5	PCB-1232	ND		0.22	0.043
53469-21-9	PCB-1242	ND		0.22	0.043
12672-29-6	PCB-1248	ND		0.22	0.043
11097-69-1	PCB-1254	ND		0.22	0.10
11096-82-5	PCB-1260	ND		0.22	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		60-154
2051-24-3	DCB Decachlorobiphenyl	99		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_287.D
Lims ID: 480-91253-A-16-A Lab Sample ID: 480-91253-16
Client ID: SS7-2
Sample Type: Client
Inject. Date: 19-Nov-2015 03:03:18 ALS Bottle#: 0 Worklist Smp#: 53
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:20:46 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:20:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	55570	0.0198	
2	1.225	1.223	0.002	29388	0.0196	
					RPD = 1.30	
8 PCB-1254						
1	3.218	3.217	0.001	1036	0.004841	
1	3.608	3.605	0.003	258	0.001576	
1	3.688	3.682	0.006	2391	0.0113	
1	3.883	3.879	0.004	3560	0.0162	
		Average of Peak Amounts =			0.008485	
2	3.013	3.006	0.007	1683	0.0126	
2	3.381	3.377	0.004	1285	0.006642	
2	3.517	3.511	0.006	2700	0.0145	
2	3.926	3.928	-0.002	3570	0.0249	
		Average of Peak Amounts =			0.0147	
					RPD = 53.37	
$ 12 DCB Decachlorobiphenyl						
1	6.091	6.085	0.006	61949	0.0178	
2	5.571	5.565	0.006	52491	0.0199	
					RPD = 10.71	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

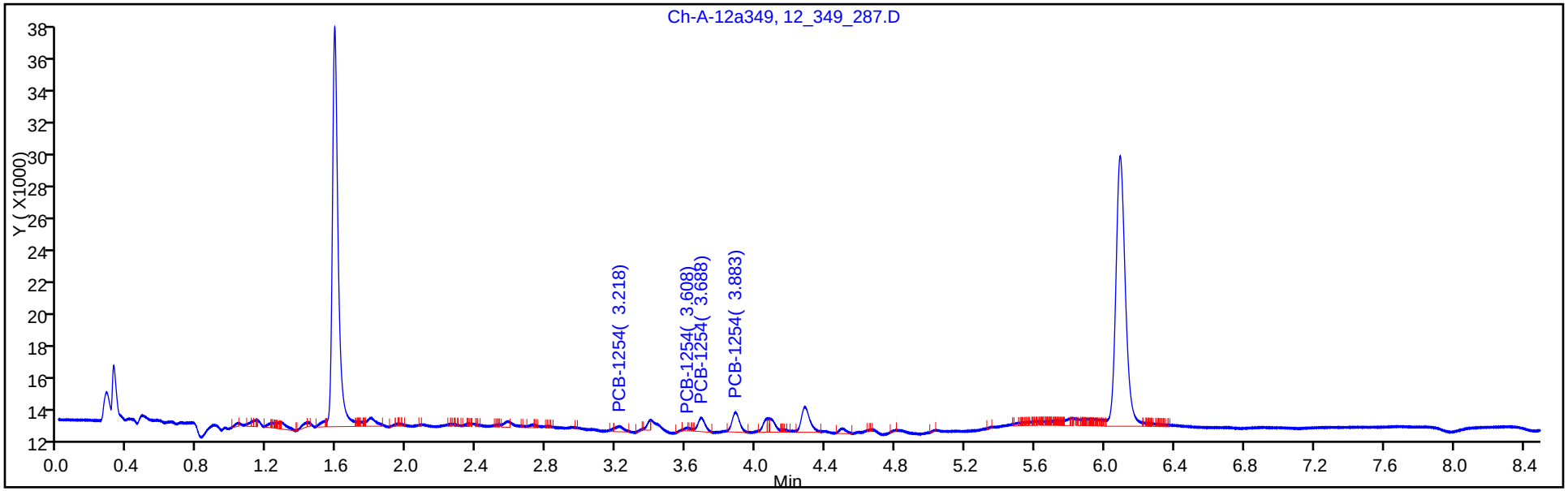
Report Date: 19-Nov-2015 12:20:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

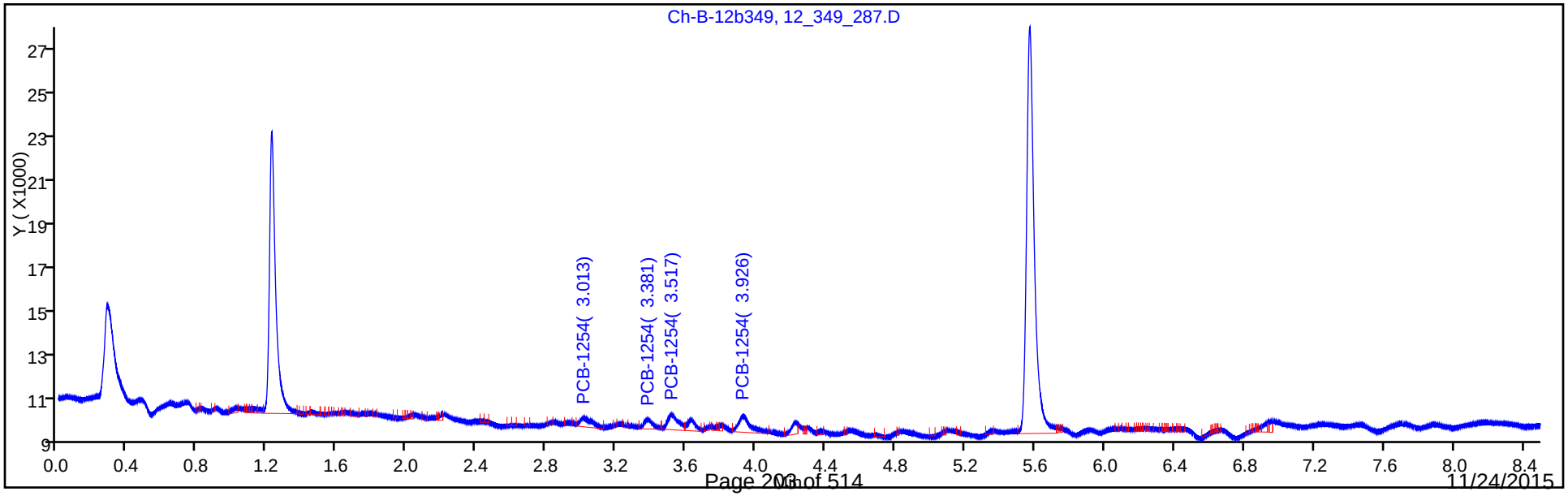
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_287.D

Injection Date:	19-Nov-2015 03:03:18	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-16-A	Lab Sample ID:	480-91253-16	Worklist Smp#:	53
Client ID:	SS7-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:20:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

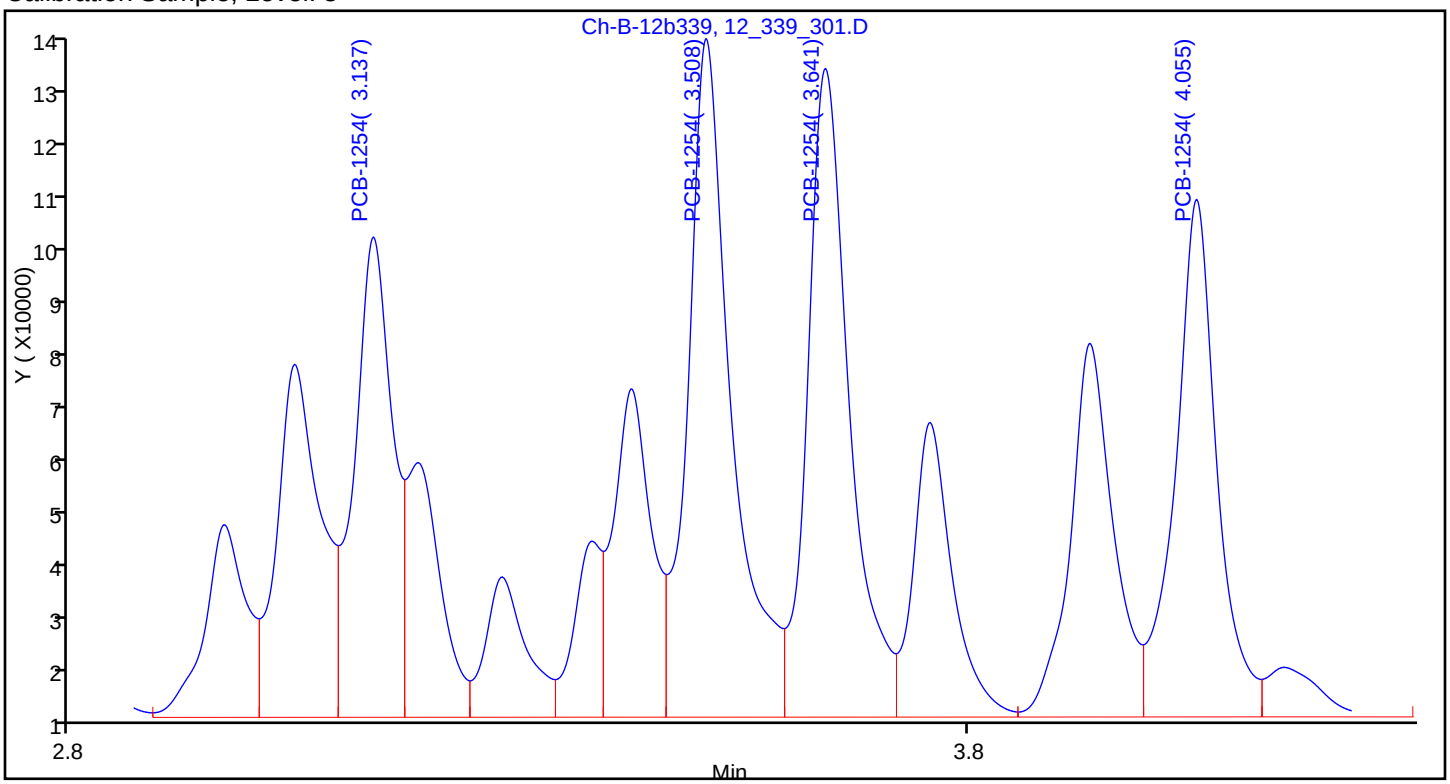
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_287.D

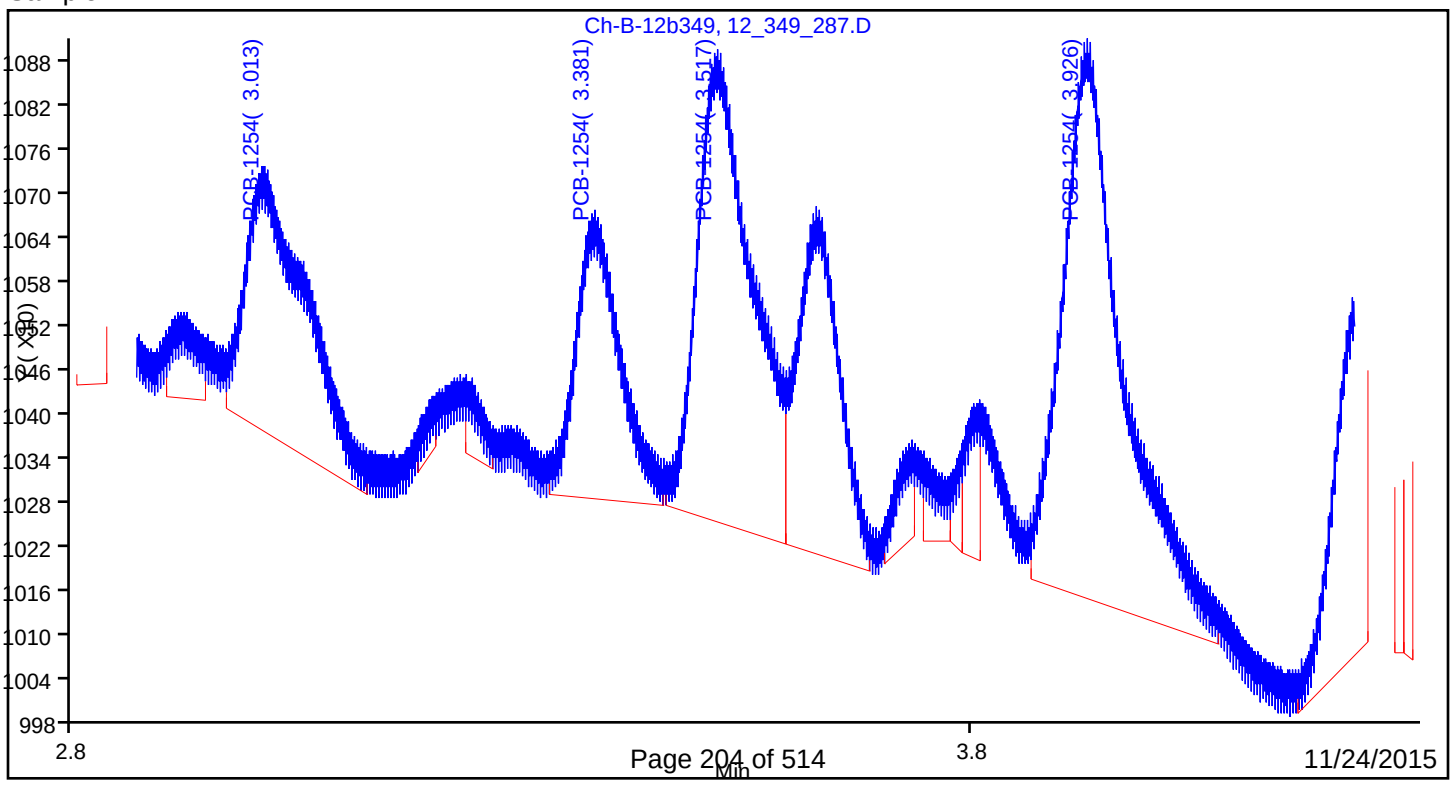
Injection Date:	19-Nov-2015 03:03:18	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-16-A	Lab Sample ID:	480-91253-16		
Client ID:	SS7-2				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	53
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-3 | Lab Sample ID: 480-91253-17

Matrix: Solid | Lab File ID: 12_349_288.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:50

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.37(g) | Date Analyzed: 11/19/2015 03:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 7.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.044
11104-28-2	PCB-1221	ND		0.23	0.044
11141-16-5	PCB-1232	ND		0.23	0.044
53469-21-9	PCB-1242	ND		0.23	0.044
12672-29-6	PCB-1248	ND		0.23	0.044
11097-69-1	PCB-1254	ND		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		60-154
2051-24-3	DCB Decachlorobiphenyl	106		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_288.D
Lims ID: 480-91253-A-17-A Lab Sample ID: 480-91253-17
Client ID: SS7-3
Sample Type: Client
Inject. Date: 19-Nov-2015 03:19:05 ALS Bottle#: 0 Worklist Smp#: 54
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:21:35 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:21:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.586	1.583	0.003	57457	0.0205	
2	1.224	1.223	0.001	32129	0.0214	
					RPD = 4.27	
8 PCB-1254						
1	3.220	3.217	0.003	1824	0.008523	
1	3.605	3.605	0.000	1819	0.0111	
1	3.689	3.682	0.007	3255	0.0154	
1	3.885	3.879	0.006	3793	0.0173	
		Average of Peak Amounts =			0.0131	
2	3.008	3.006	0.002	1102	0.008244	
2	3.383	3.377	0.006	1329	0.006870	
2	3.511	3.511	0.000	682	0.003658	
2	3.929	3.928	0.001	3515	0.0245	
		Average of Peak Amounts =			0.0108	
					RPD = 18.80	
$ 12 DCB Decachlorobiphenyl						
1	6.092	6.085	0.007	61456	0.0177	
2	5.571	5.565	0.006	55877	0.0211	
					RPD = 17.72	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

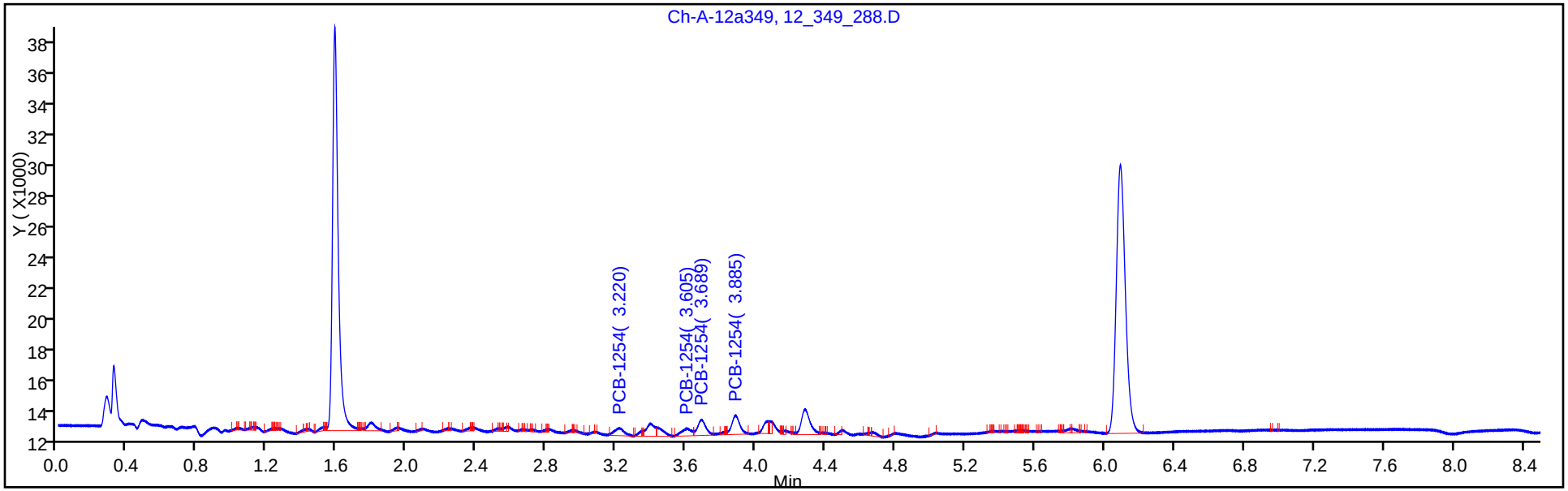
Report Date: 19-Nov-2015 12:21:36 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

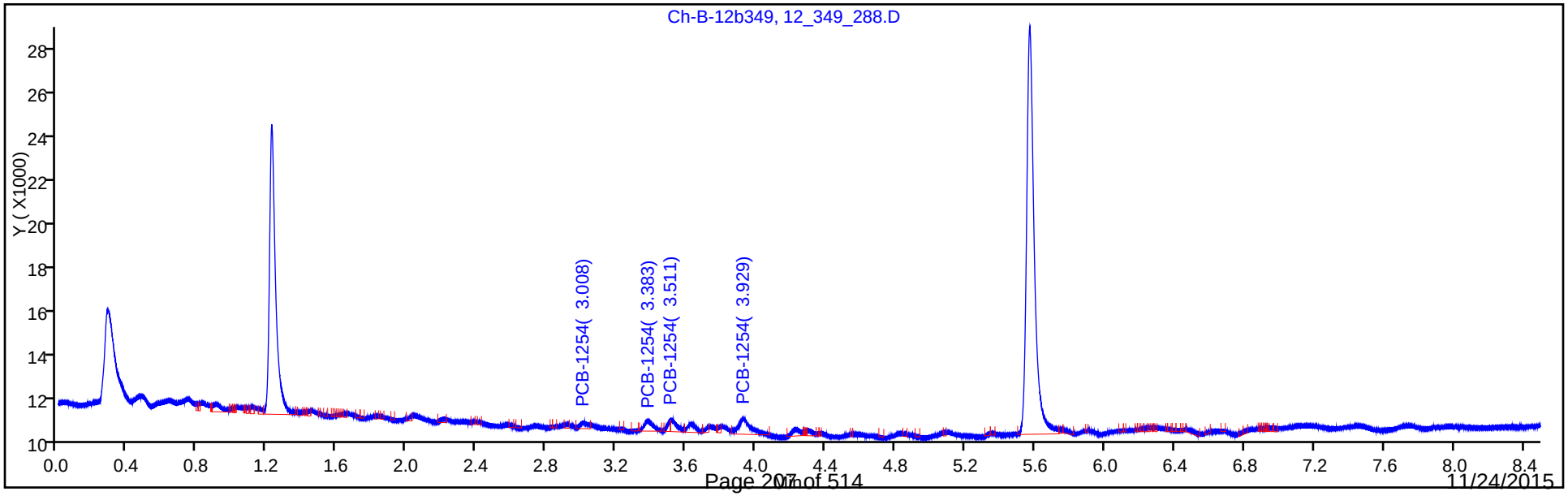
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_288.D

Injection Date:	19-Nov-2015 03:19:05	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-17-A	Lab Sample ID:	480-91253-17	Worklist Smp#:	54
Client ID:	SS7-3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:21:37 Chrom Revision: 2.2 08-Oct-2015 07:17:48

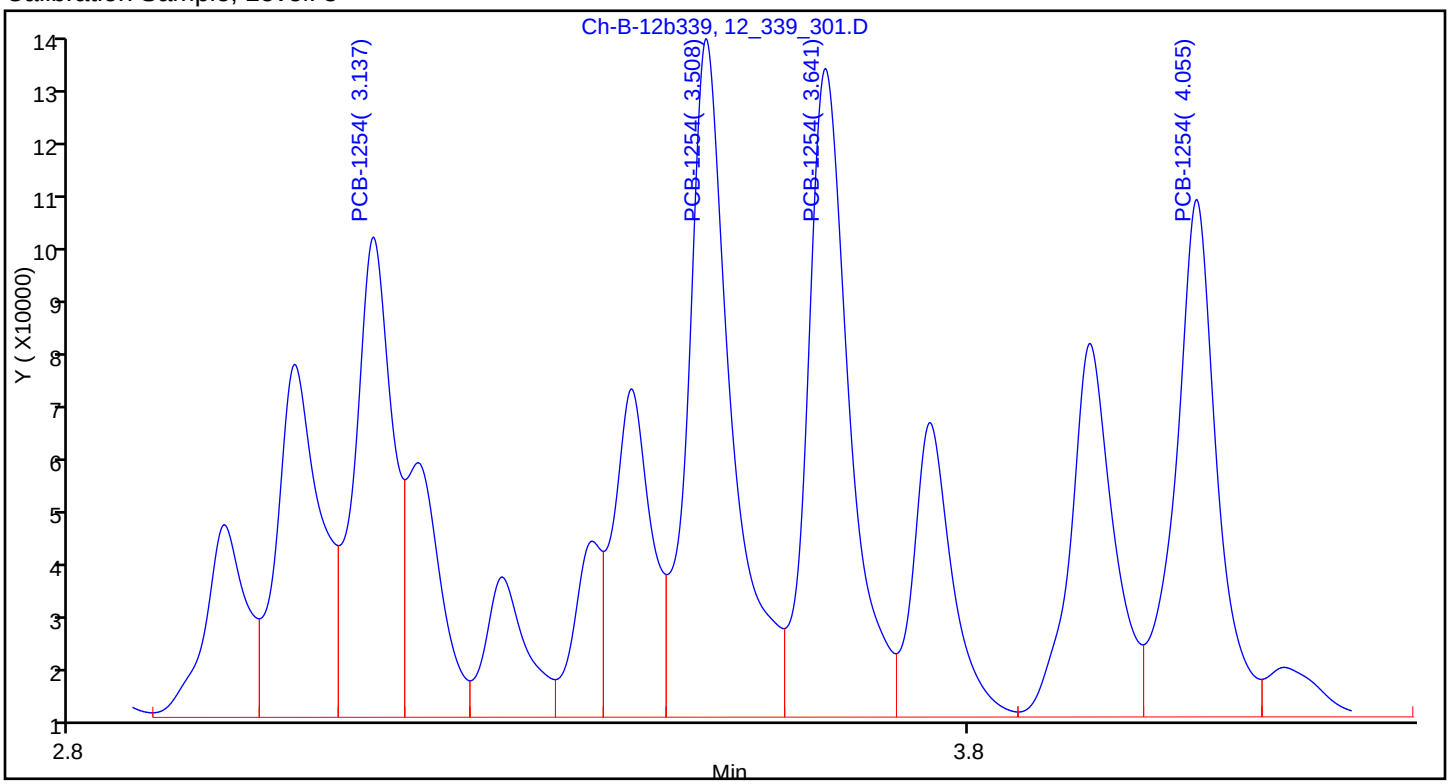
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_288.D

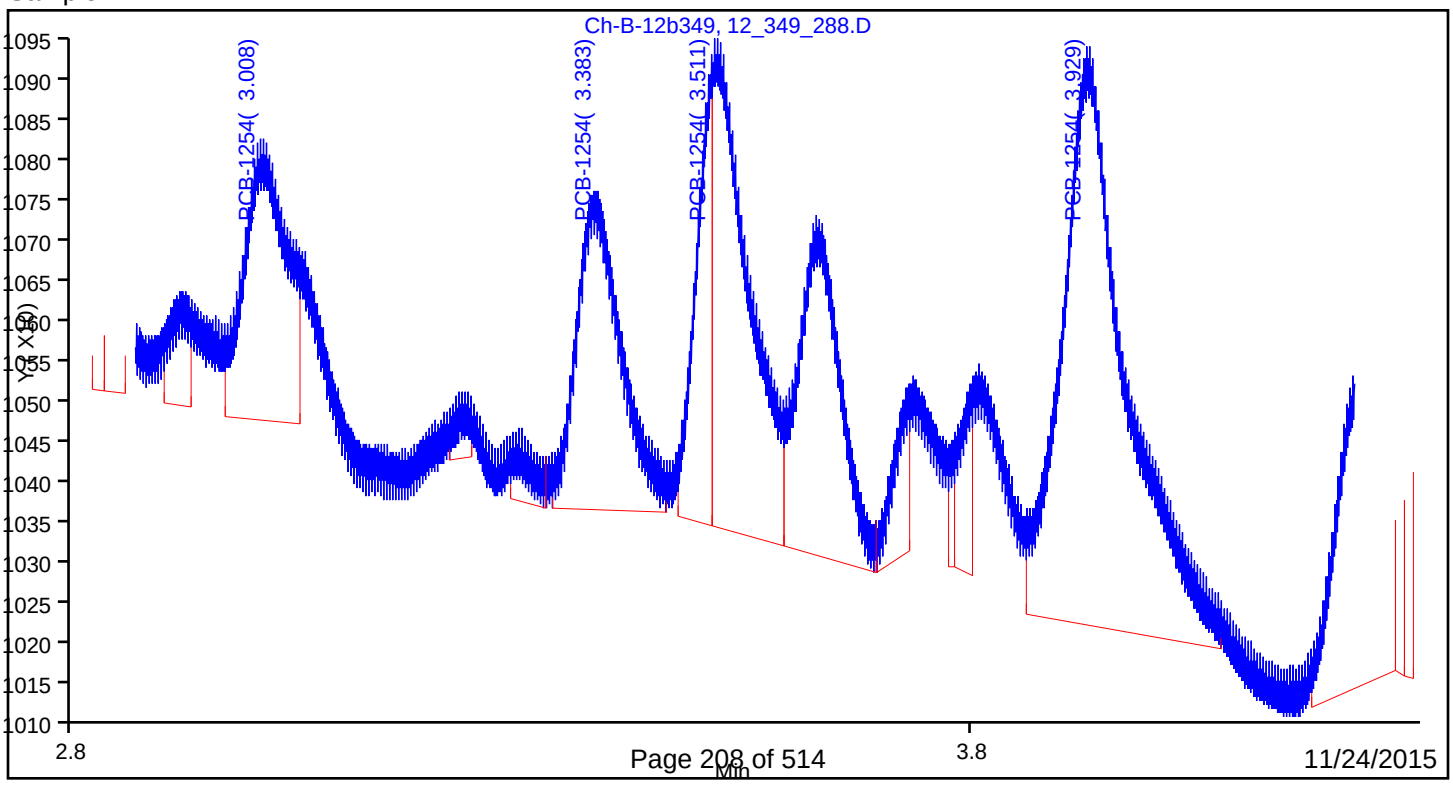
Injection Date:	19-Nov-2015 03:19:05	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-17-A	Lab Sample ID:	480-91253-17		
Client ID:	SS7-3				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	54
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-4 | Lab Sample ID: 480-91253-18

Matrix: Solid | Lab File ID: 12_349_289.D

Analysis Method: 8082A | Date Collected: 11/17/2015 15:05

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.75(g) | Date Analyzed: 11/19/2015 03:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 8.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.20	0.039
11104-28-2	PCB-1221	ND		0.20	0.039
11141-16-5	PCB-1232	ND		0.20	0.039
53469-21-9	PCB-1242	ND		0.20	0.039
12672-29-6	PCB-1248	ND		0.20	0.039
11097-69-1	PCB-1254	3.9		0.20	0.093
11096-82-5	PCB-1260	ND		0.20	0.093

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		60-154
2051-24-3	DCB Decachlorobiphenyl	104		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_289.D
Lims ID: 480-91253-A-18-A Lab Sample ID: 480-91253-18
Client ID: SS7-4
Sample Type: Client
Inject. Date: 19-Nov-2015 03:34:51 ALS Bottle#: 0 Worklist Smp#: 55
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:22:21 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:22:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	58116	0.0207	
2	1.224	1.223	0.001	31578	0.0210	
					RPD = 1.40	
8 PCB-1254						
1	3.221	3.217	0.004	115139	0.5380	
1	3.609	3.605	0.004	107999	0.6598	
1	3.686	3.682	0.004	166605	0.7889	
1	3.883	3.879	0.004	184799	0.8410	
		Average of Peak Amounts =			0.7069	
2	3.009	3.006	0.003	137115	1.03	
2	3.381	3.377	0.004	158502	0.8193	
2	3.515	3.511	0.004	165983	0.8903	
2	3.932	3.928	0.004	173652	1.21	
		Average of Peak Amounts =			0.9870	
					RPD = 33.07	
$ 12 DCB Decachlorobiphenyl						
1	6.103	6.085	0.018	61574	0.0177	
2	5.581	5.565	0.016	55145	0.0209	
					RPD = 16.22	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

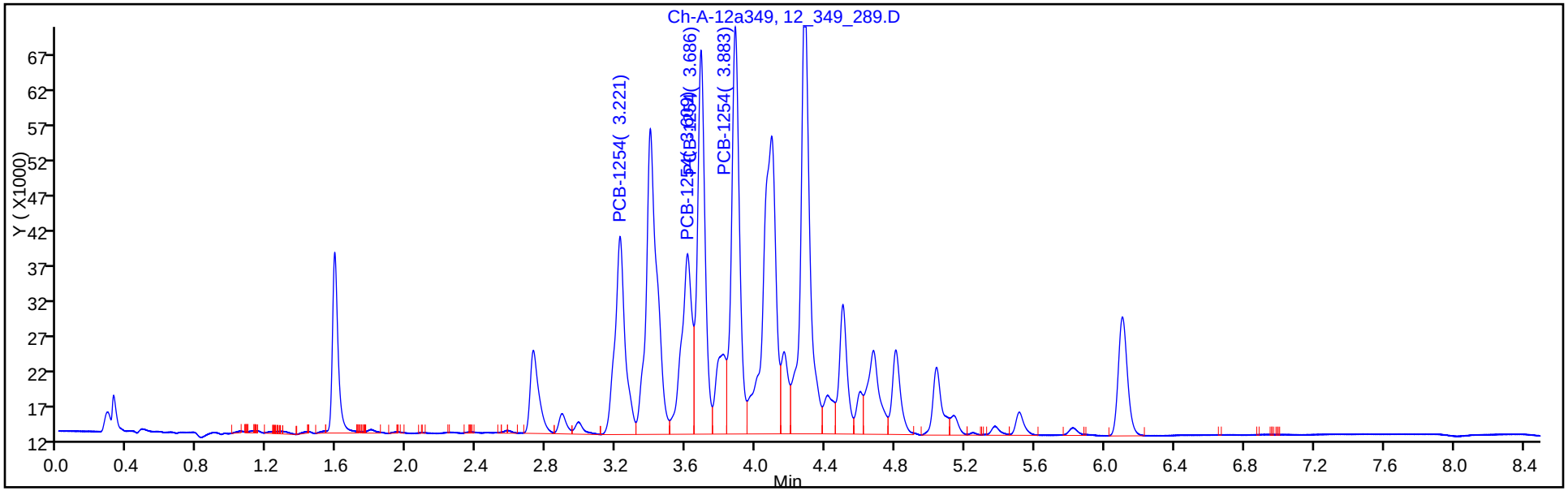
Report Date: 19-Nov-2015 12:22:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

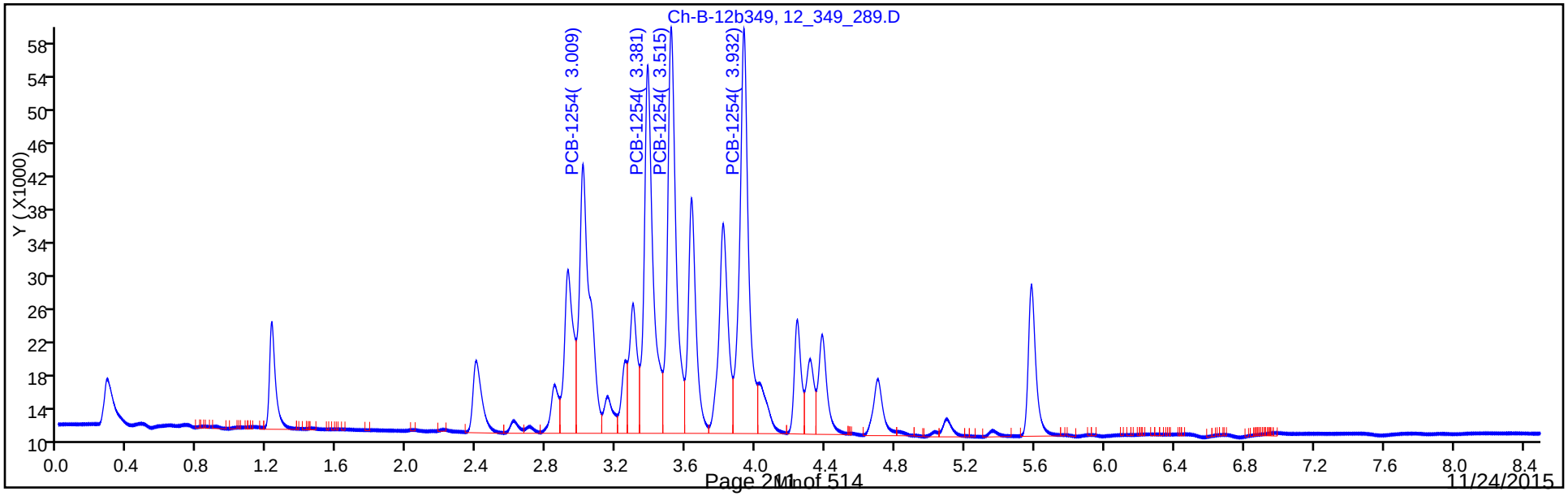
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_289.D

Injection Date:	19-Nov-2015 03:34:51	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-18-A	Lab Sample ID:	480-91253-18	Worklist Smp#:	55
Client ID:	SS7-4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:22:23 Chrom Revision: 2.2 08-Oct-2015 07:17:48

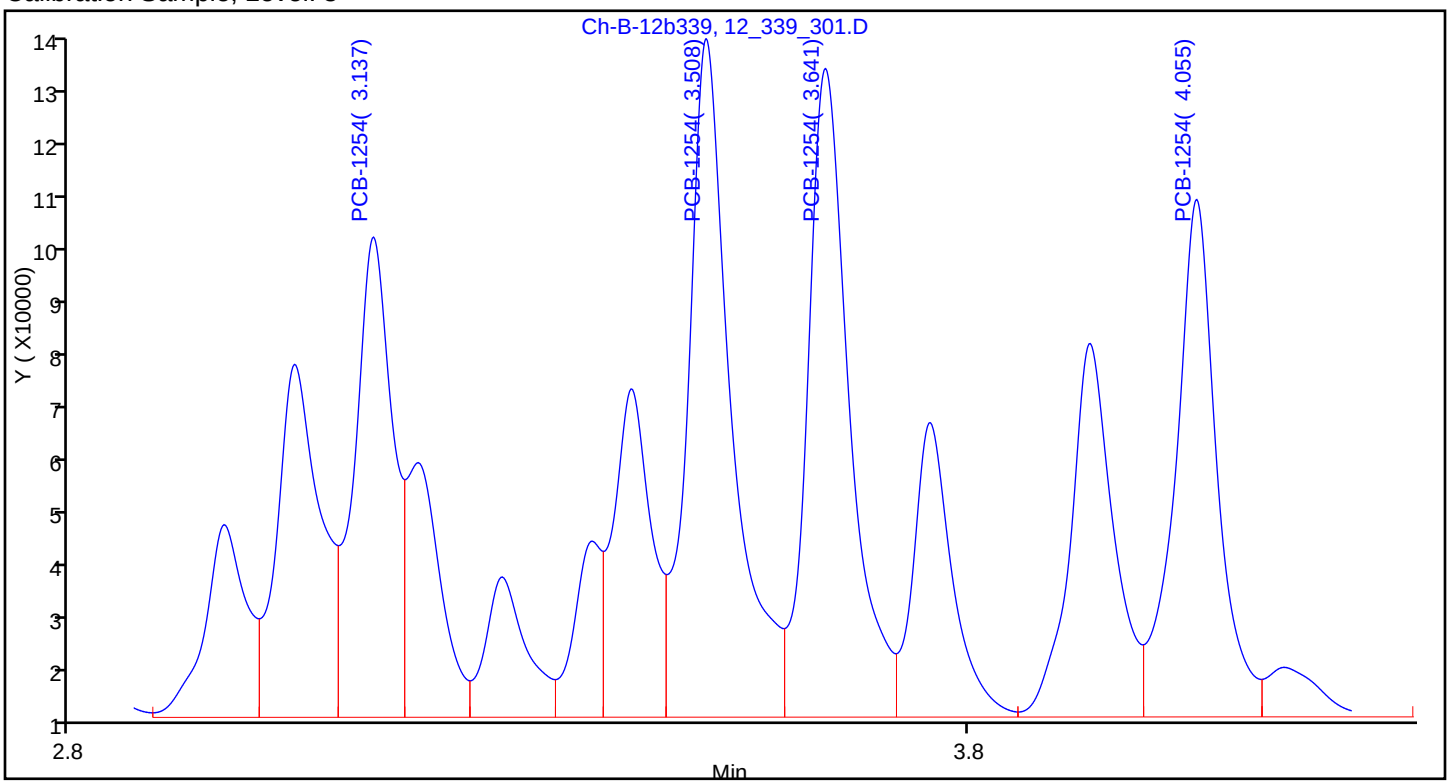
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_289.D

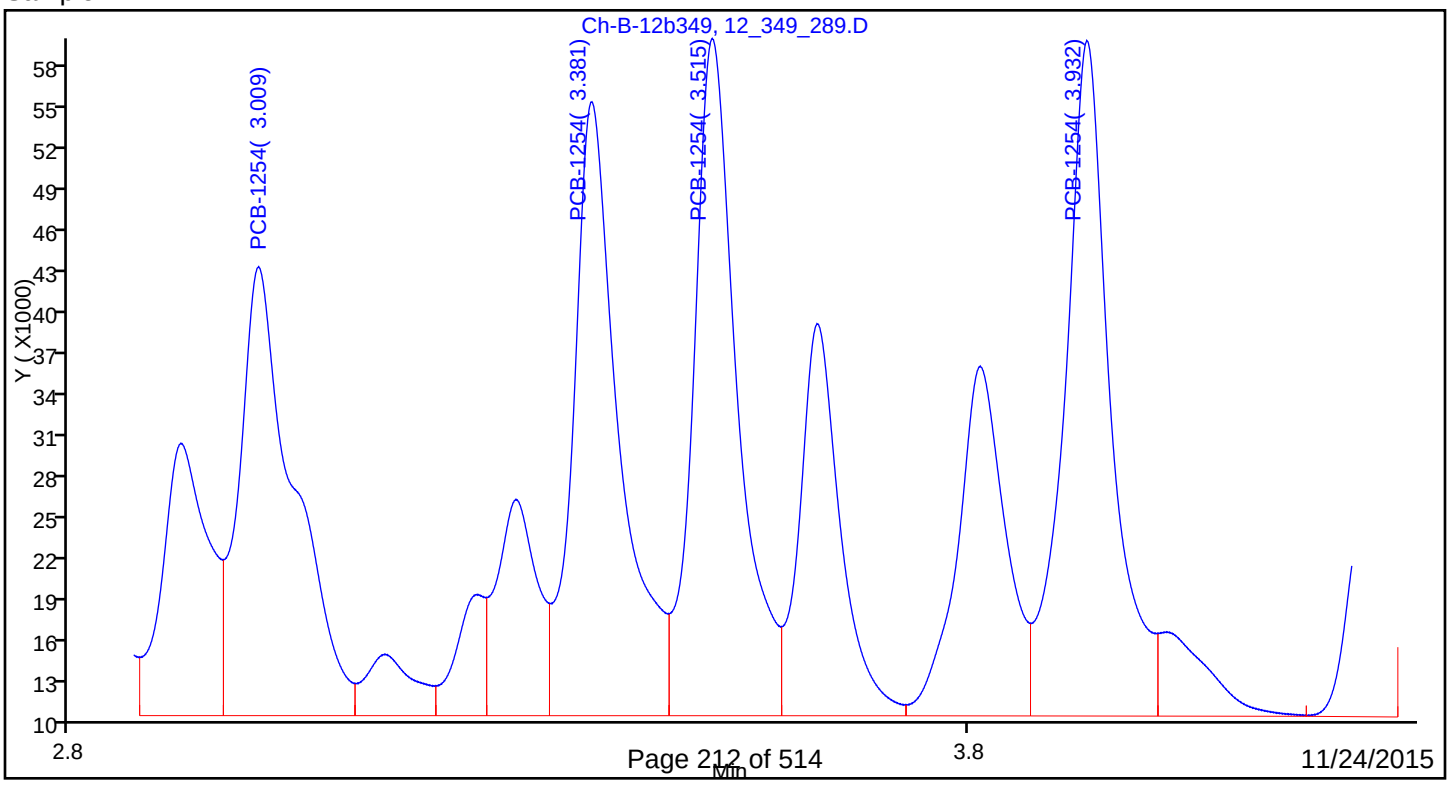
Injection Date:	19-Nov-2015 03:34:51	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-18-A	Lab Sample ID:	480-91253-18		
Client ID:	SS7-4				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	55
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-5 | Lab Sample ID: 480-91253-19

Matrix: Solid | Lab File ID: 12_349_290.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:30

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.17(g) | Date Analyzed: 11/19/2015 03:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.26	0.050
11104-28-2	PCB-1221	ND		0.26	0.050
11141-16-5	PCB-1232	ND		0.26	0.050
53469-21-9	PCB-1242	ND		0.26	0.050
12672-29-6	PCB-1248	ND		0.26	0.050
11097-69-1	PCB-1254	0.45		0.26	0.12
11096-82-5	PCB-1260	ND		0.26	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	109		60-154
2051-24-3	DCB Decachlorobiphenyl	109		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_290.D
Lims ID: 480-91253-A-19-C Lab Sample ID: 480-91253-19
Client ID: SS7-5
Sample Type: Client
Inject. Date: 19-Nov-2015 03:50:42 ALS Bottle#: 0 Worklist Smp#: 56
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:03:07 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:03:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	60717	0.0216	
2	1.223	1.223	0.000	32723	0.0218	
					RPD = 0.59	
8 PCB-1254						M
1	3.223	3.217	0.006	8485	0.0396	
1	3.610	3.605	0.005	9171	0.0560	M
1	3.690	3.682	0.008	16848	0.0798	M
1	3.887	3.879	0.008	27806	0.1265	M
		Average of Peak Amounts =			0.0755	
2	3.015	3.006	0.009	9679	0.0724	
2	3.385	3.377	0.008	10186	0.0527	
2	3.521	3.511	0.010	15938	0.0855	
2	3.934	3.928	0.006	20567	0.1436	
		Average of Peak Amounts =			0.0885	
					RPD = 15.91	
$ 12 DCB Decachlorobiphenyl						
1	6.096	6.085	0.011	65155	0.0188	
2	5.576	5.565	0.011	57819	0.0219	
					RPD = 15.31	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

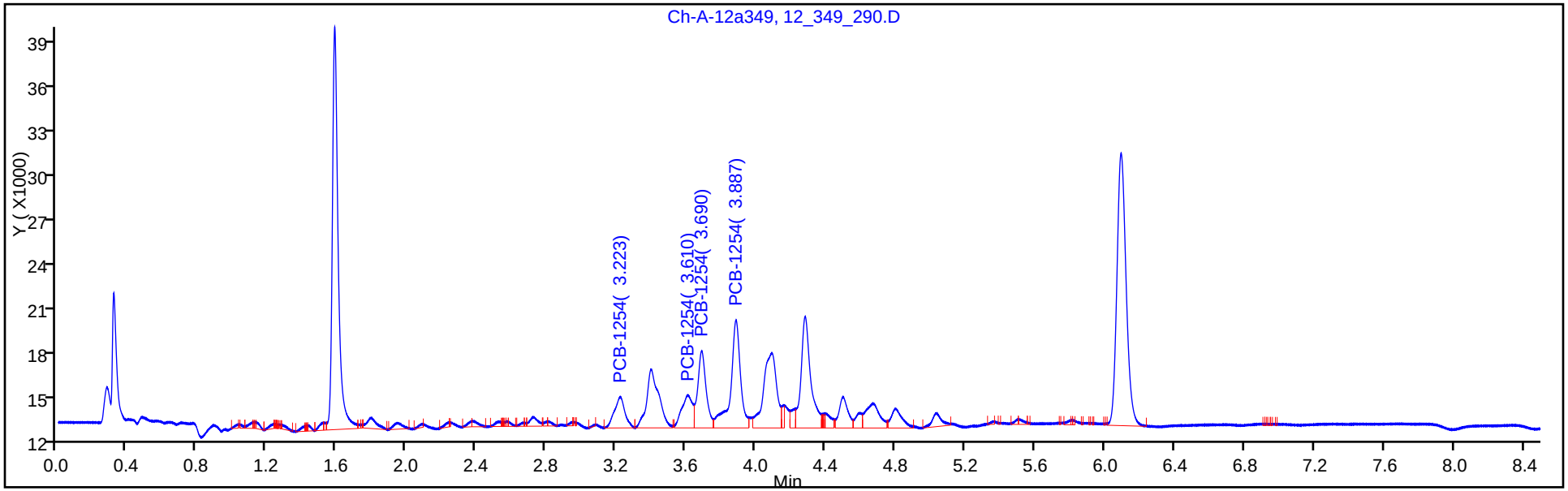
Report Date: 19-Nov-2015 12:03:08 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

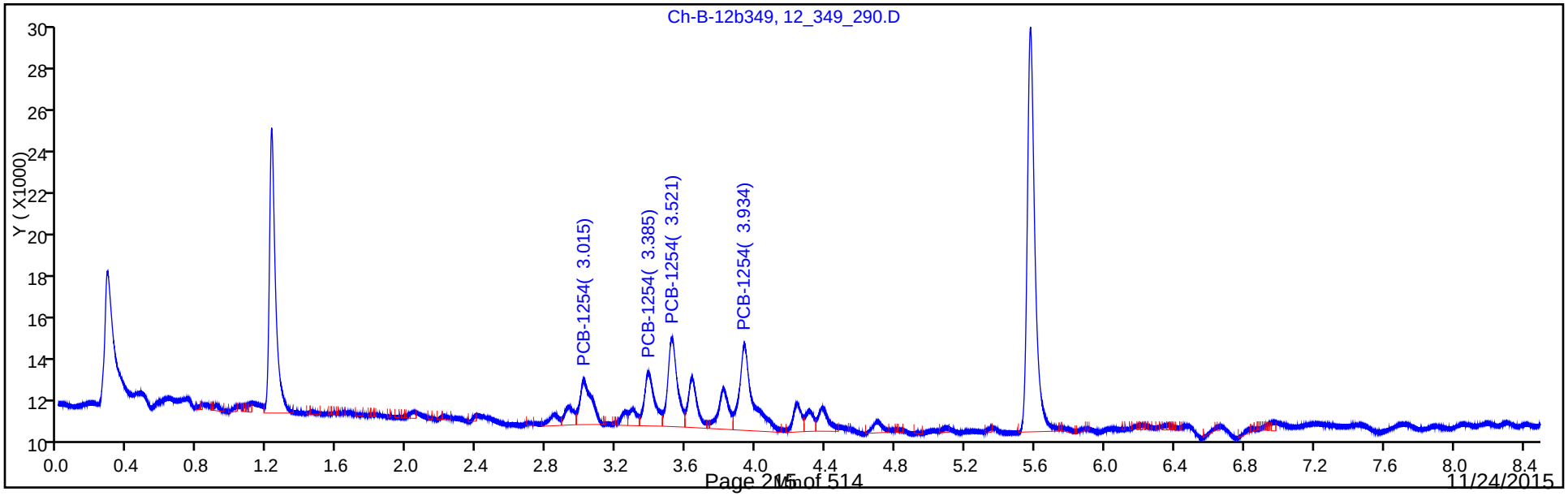
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_290.D

Injection Date:	19-Nov-2015 03:50:42	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-19-C	Lab Sample ID:	480-91253-19	Worklist Smp#:	56
Client ID:	SS7-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:03:08 Chrom Revision: 2.2 08-Oct-2015 07:17:48

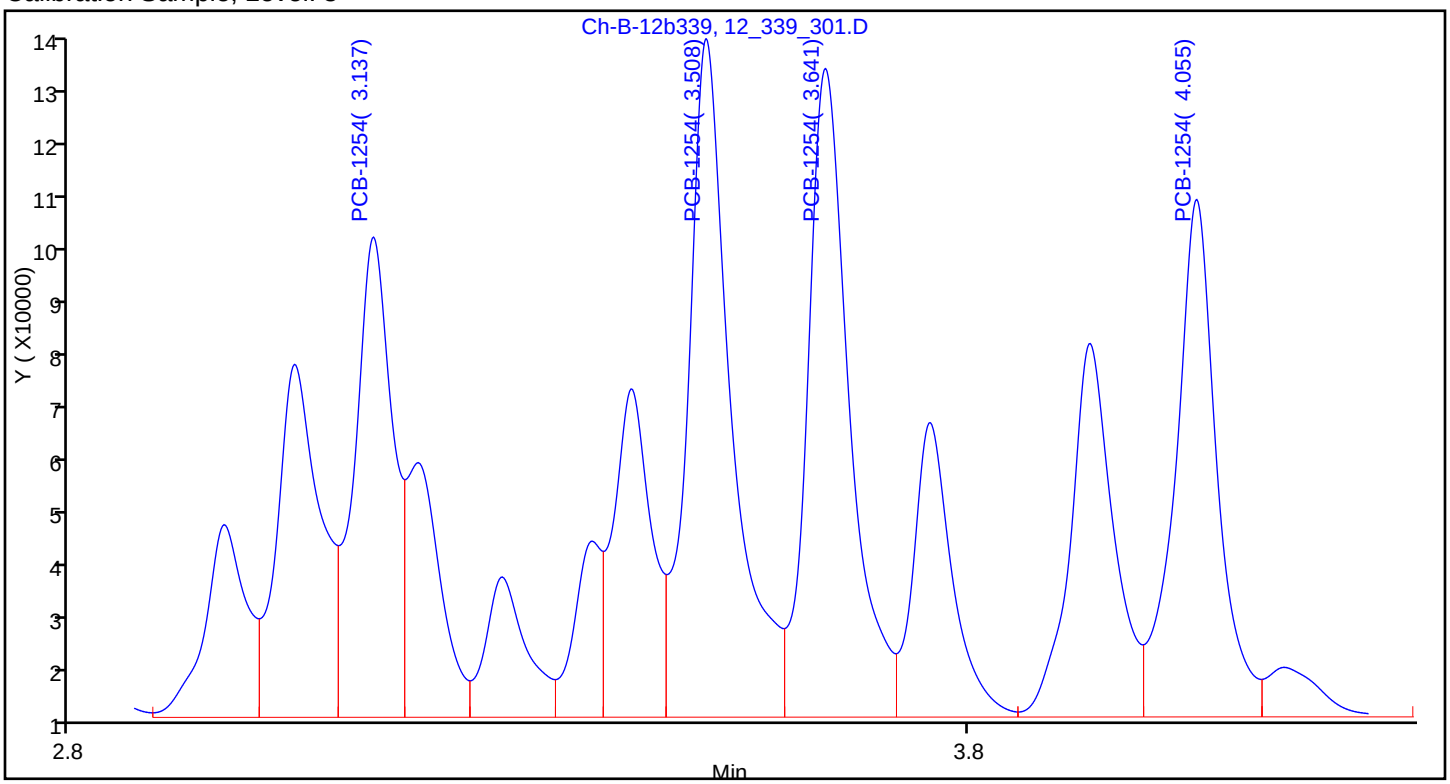
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_290.D

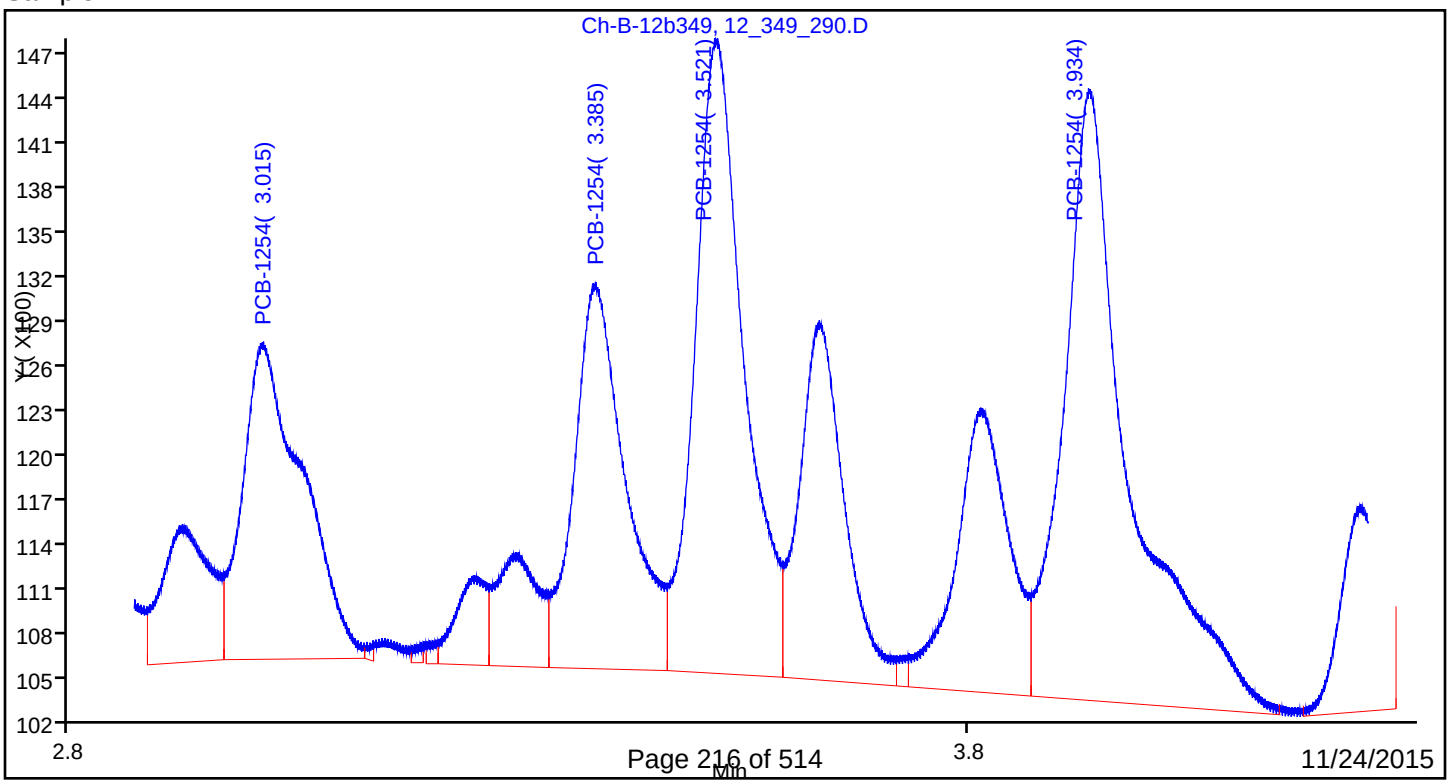
Injection Date:	19-Nov-2015 03:50:42	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-19-C	Lab Sample ID:	480-91253-19		
Client ID:	SS7-5				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	56
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-6 | Lab Sample ID: 480-91253-20

Matrix: Solid | Lab File ID: 12_349_291.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:40

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.73(g) | Date Analyzed: 11/19/2015 04:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 18.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.22	0.044
11104-28-2	PCB-1221	ND		0.22	0.044
11141-16-5	PCB-1232	ND		0.22	0.044
53469-21-9	PCB-1242	ND		0.22	0.044
12672-29-6	PCB-1248	ND		0.22	0.044
11097-69-1	PCB-1254	0.23		0.22	0.11
11096-82-5	PCB-1260	ND		0.22	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		60-154
2051-24-3	DCB Decachlorobiphenyl	102		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_291.D
Lims ID: 480-91253-A-20-A Lab Sample ID: 480-91253-20
Client ID: SS7-6
Sample Type: Client
Inject. Date: 19-Nov-2015 04:06:30 ALS Bottle#: 0 Worklist Smp#: 57
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:23:07 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:23:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	56653	0.0202	
2	1.224	1.223	0.001	31672	0.0211	
					RPD = 4.25	
8 PCB-1254						
1	3.219	3.217	0.002	4063	0.0190	
1	3.607	3.605	0.002	4063	0.0248	
1	3.685	3.682	0.003	9185	0.0435	
1	3.882	3.879	0.003	13892	0.0632	
		Average of Peak Amounts =			0.0376	
2	3.010	3.006	0.004	5039	0.0377	
2	3.379	3.377	0.002	5176	0.0268	
2	3.513	3.511	0.002	8803	0.0472	
2	3.929	3.928	0.001	13042	0.0911	
		Average of Peak Amounts =			0.0507	
					RPD = 29.57	
$ 12 DCB Decachlorobiphenyl						
1	6.087	6.085	0.002	58730	0.0169	
2	5.569	5.565	0.004	54024	0.0204	
					RPD = 18.88	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

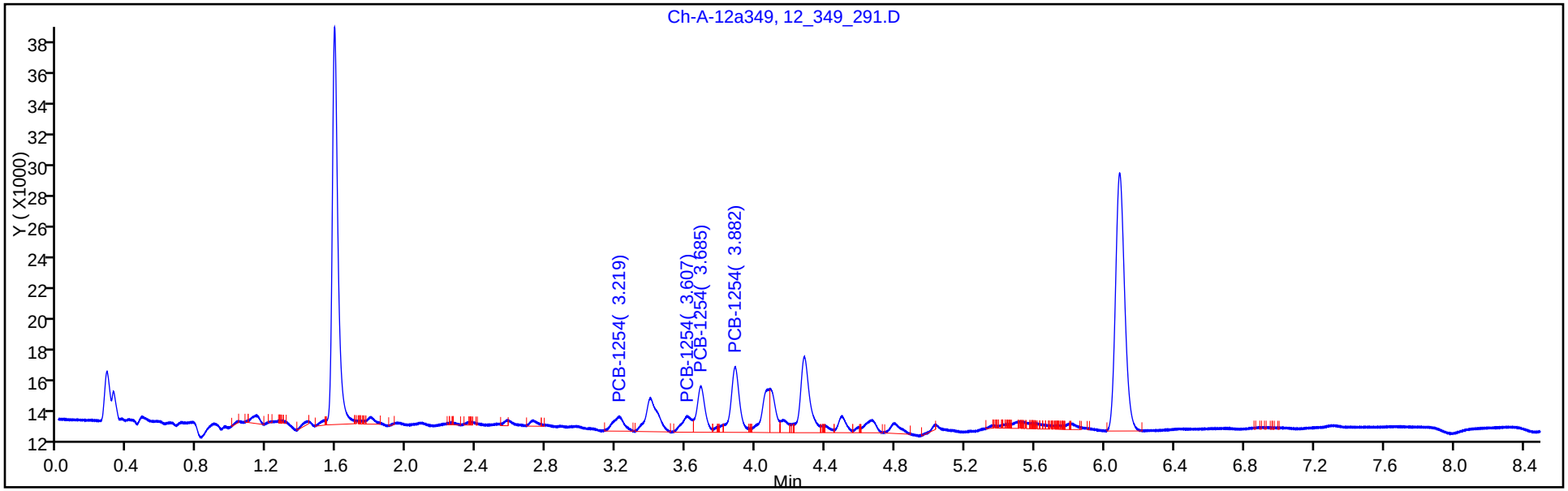
Report Date: 19-Nov-2015 12:23:08 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

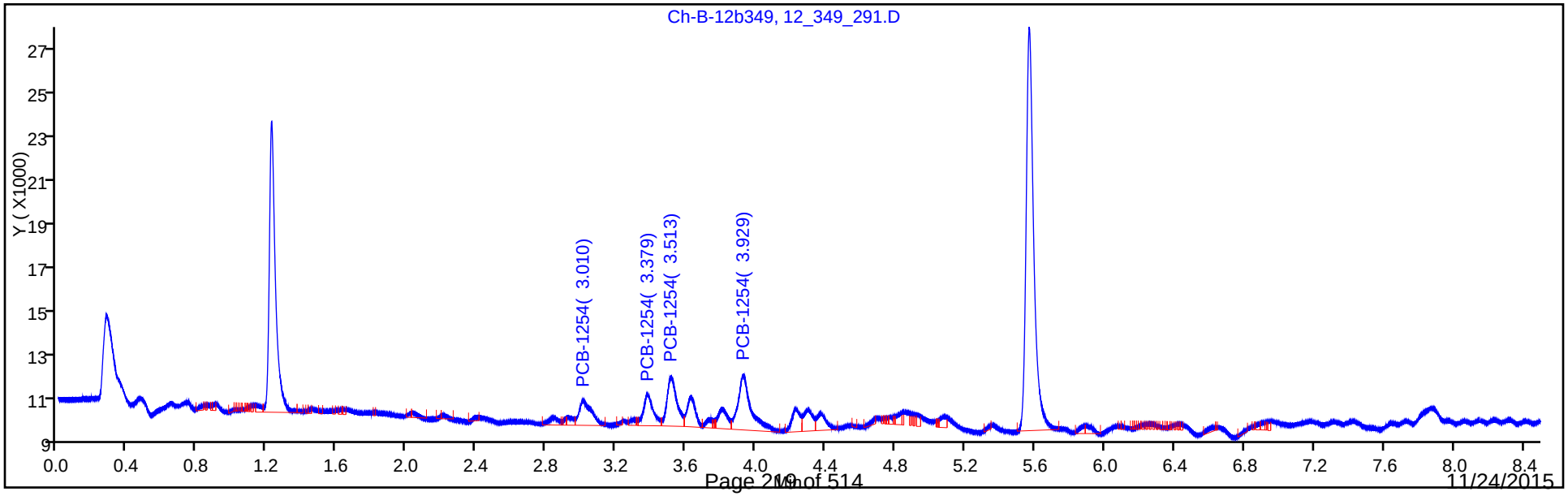
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_291.D

Injection Date:	19-Nov-2015 04:06:30	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-20-A	Lab Sample ID:	480-91253-20	Worklist Smp#:	57
Client ID:	SS7-6				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:23:08 Chrom Revision: 2.2 08-Oct-2015 07:17:48

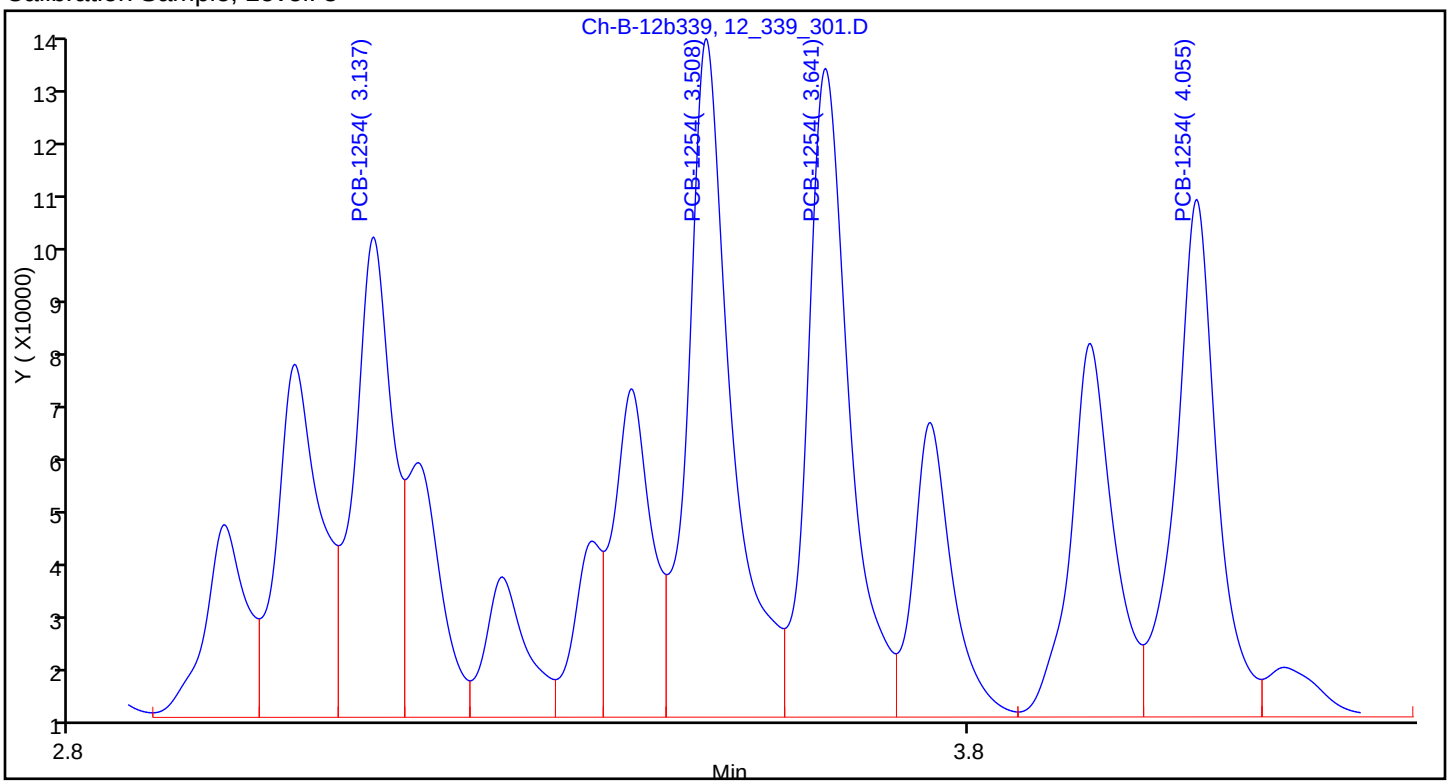
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_291.D

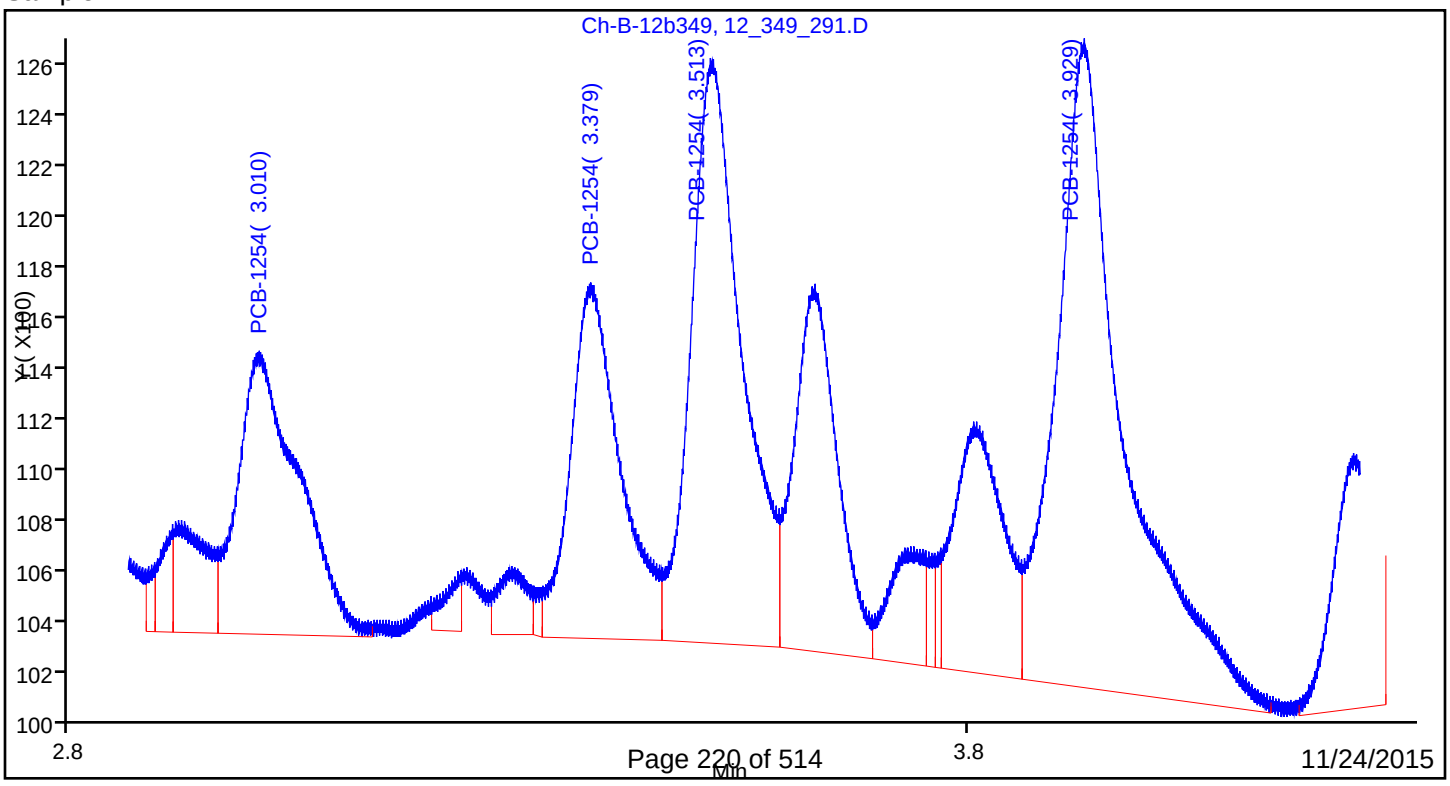
Injection Date:	19-Nov-2015 04:06:30	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-20-A	Lab Sample ID:	480-91253-20		
Client ID:	SS7-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	57
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-7 | Lab Sample ID: 480-91253-21

Matrix: Solid | Lab File ID: 12_349_257.D

Analysis Method: 8082A | Date Collected: 11/17/2015 15:00

Extraction Method: 3550C | Date Extracted: 11/18/2015 10:06

Sample wt/vol: +2.40(g) | Date Analyzed: 11/18/2015 19:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 8.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	ND		0.23	0.045
11097-69-1	PCB-1254	1.2		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		60-154
2051-24-3	DCB Decachlorobiphenyl	98		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_257.D
Lims ID: 480-91253-A-21-A Lab Sample ID: 480-91253-21
Client ID: SS7-7
Sample Type: Client
Inject. Date: 18-Nov-2015 19:09:57 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 11:56:01 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 11:56:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.581	1.583	-0.002	54679	0.0195	
2	1.221	1.223	-0.002	30123	0.0200	
					RPD = 2.78	
8 PCB-1254						
1	3.216	3.217	-0.001	35881	0.1677	
1	3.602	3.605	-0.003	31761	0.1941	
1	3.679	3.682	-0.003	50844	0.2407	
1	3.875	3.879	-0.004	51425	0.2340	
		Average of Peak Amounts =			0.2091	
2	3.003	3.006	-0.003	39836	0.2980	
2	3.374	3.377	-0.003	40599	0.2099	
2	3.509	3.511	-0.002	41812	0.2243	
2	3.925	3.928	-0.003	47190	0.3296	
		Average of Peak Amounts =			0.2654	
					RPD = 23.73	
$ 12 DCB Decachlorobiphenyl						
1	6.080	6.085	-0.005	57223	0.0165	
2	5.565	5.565	0.000	51659	0.0195	
					RPD = 17.02	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

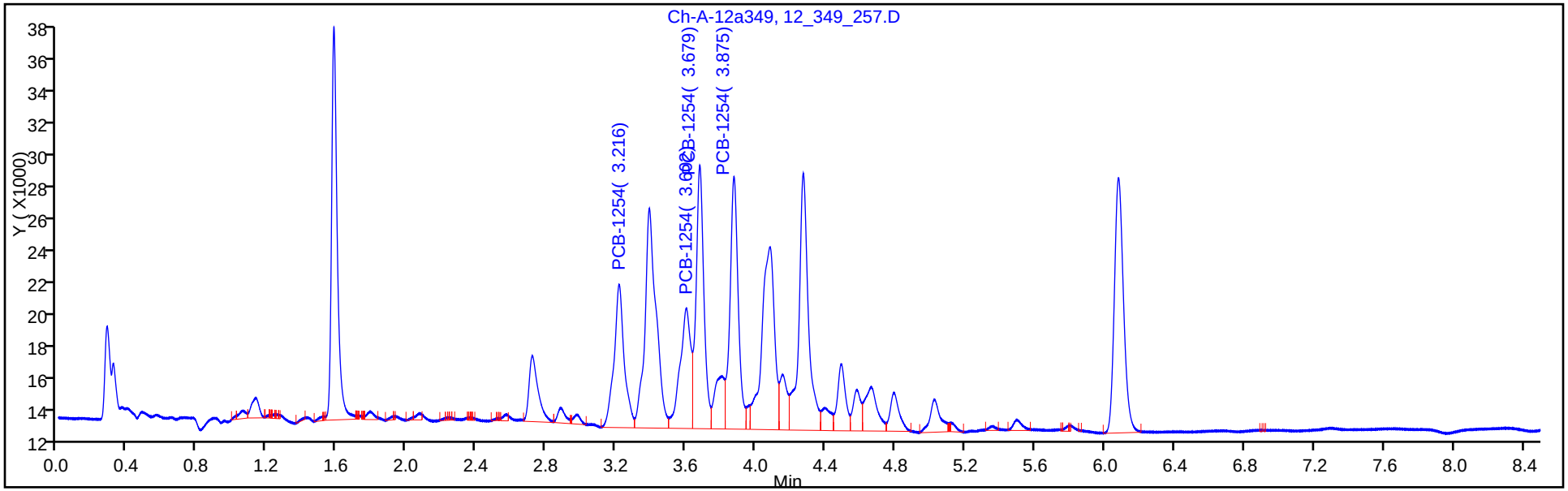
Report Date: 19-Nov-2015 11:56:02 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

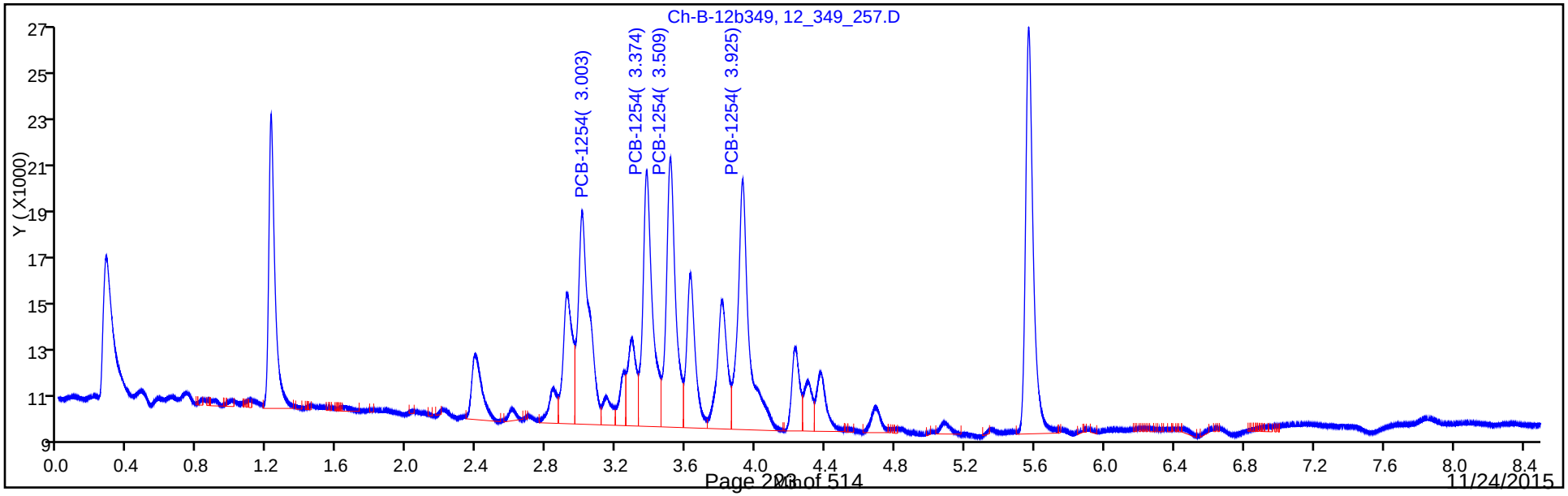
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_257.D

Injection Date:	18-Nov-2015 19:09:57	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-21-A	Lab Sample ID:	480-91253-21	Worklist Smp#:	23
Client ID:	SS7-7				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 11:56:02 Chrom Revision: 2.2 08-Oct-2015 07:17:48

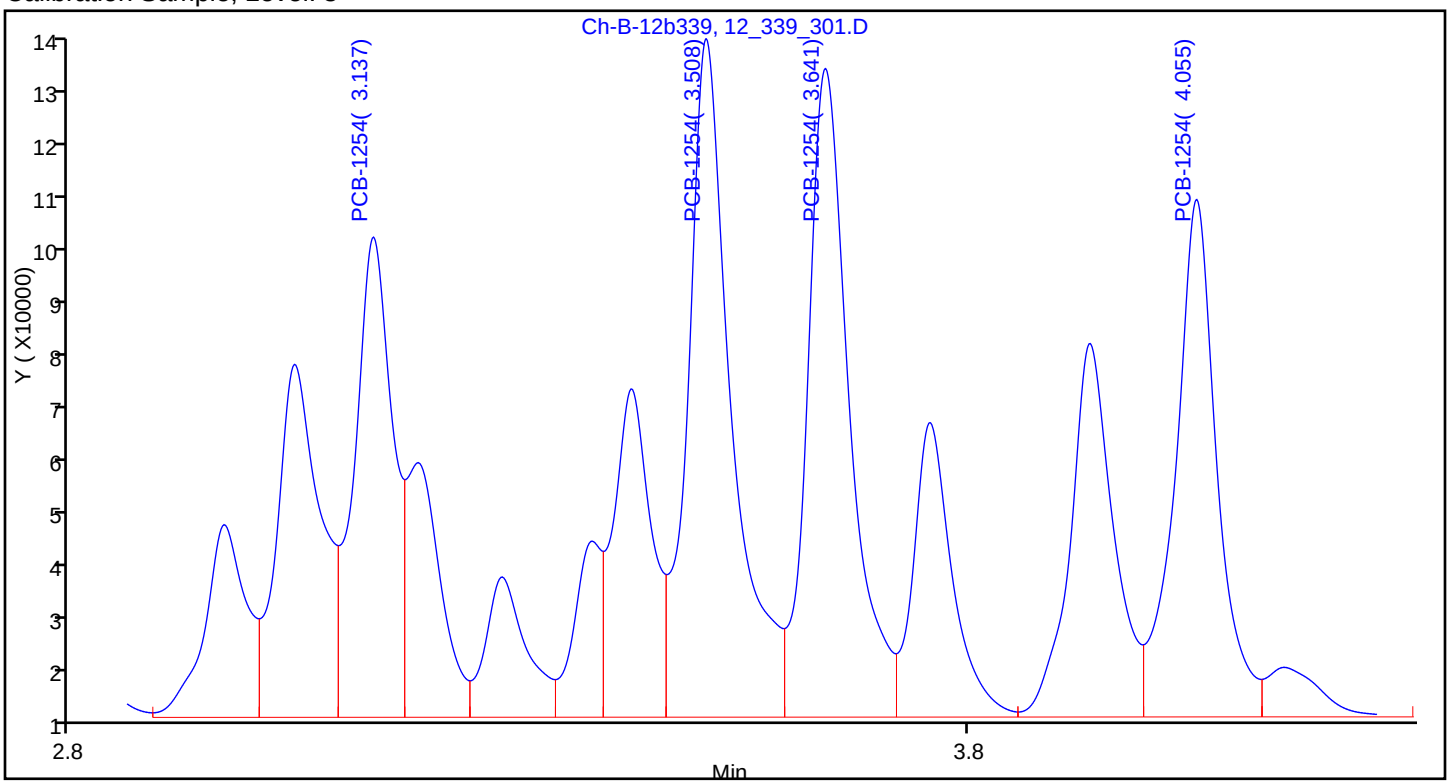
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_257.D

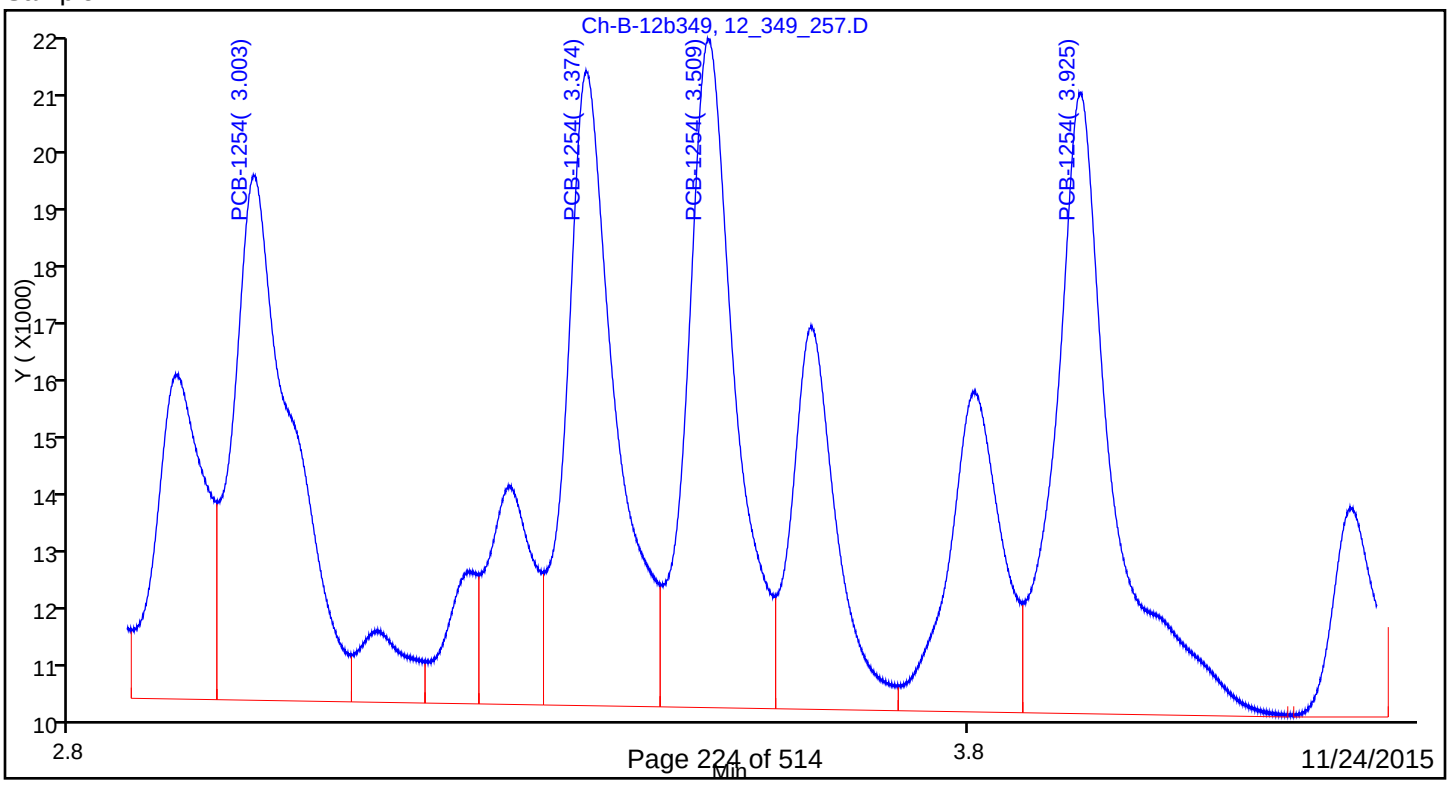
Injection Date:	18-Nov-2015 19:09:57	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-21-A	Lab Sample ID:	480-91253-21		
Client ID:	SS7-7				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-8 | Lab Sample ID: 480-91253-22

Matrix: Solid | Lab File ID: 12_349_258.D

Analysis Method: 8082A | Date Collected: 11/17/2015 15:10

Extraction Method: 3550C | Date Extracted: 11/18/2015 10:06

Sample wt/vol: +2.44(g) | Date Analyzed: 11/18/2015 19:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	ND		0.23	0.045
11097-69-1	PCB-1254	2.2		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		60-154
2051-24-3	DCB Decachlorobiphenyl	88		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_258.D
Lims ID: 480-91253-A-22-A Lab Sample ID: 480-91253-22
Client ID: SS7-8
Sample Type: Client
Inject. Date: 18-Nov-2015 19:25:43 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 11:57:04 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 11:57:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.583	1.583	0.000	48865	0.0174	
2	1.223	1.223	0.000	25991	0.0173	
					RPD = 0.73	
8 PCB-1254						
1	3.218	3.217	0.001	59460	0.2778	
1	3.605	3.605	0.000	54836	0.3350	
1	3.681	3.682	-0.001	83899	0.3973	
1	3.878	3.879	-0.001	96429	0.4388	
		Average of Peak Amounts =			0.3622	
2	3.006	3.006	0.000	72112	0.5395	
2	3.375	3.377	-0.002	71894	0.3716	
2	3.511	3.511	0.000	80367	0.4311	
2	3.927	3.928	-0.001	85874	0.5998	
		Average of Peak Amounts =			0.4855	
					RPD = 29.07	
$ 12 DCB Decachlorobiphenyl						
1	6.085	6.085	0.000	50683	0.0146	
2	5.569	5.565	0.004	46283	0.0175	
					RPD = 18.15	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

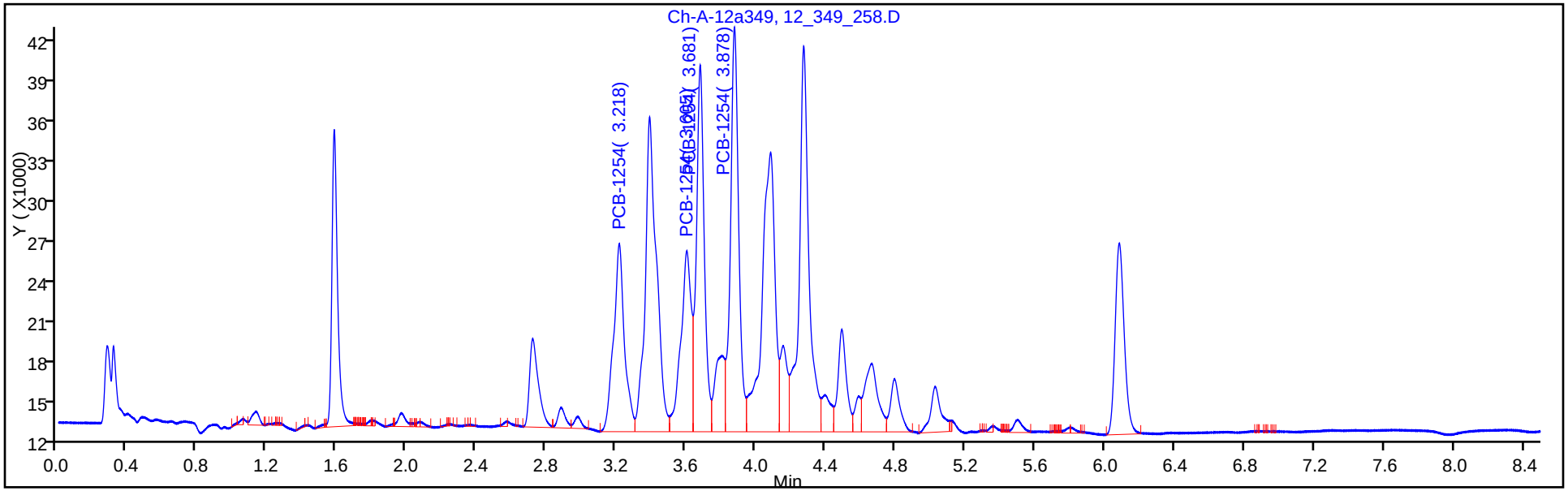
Report Date: 19-Nov-2015 11:57:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

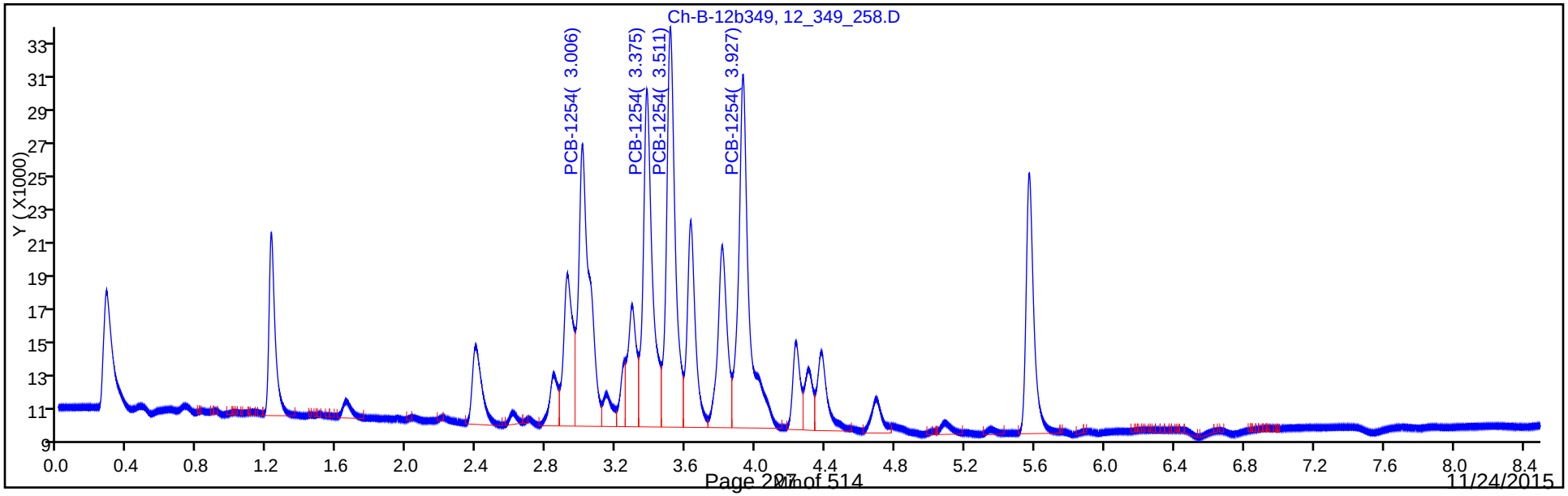
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_258.D

Injection Date:	18-Nov-2015 19:25:43	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-22-A	Lab Sample ID:	480-91253-22	Worklist Smp#:	24
Client ID:	SS7-8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 11:57:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

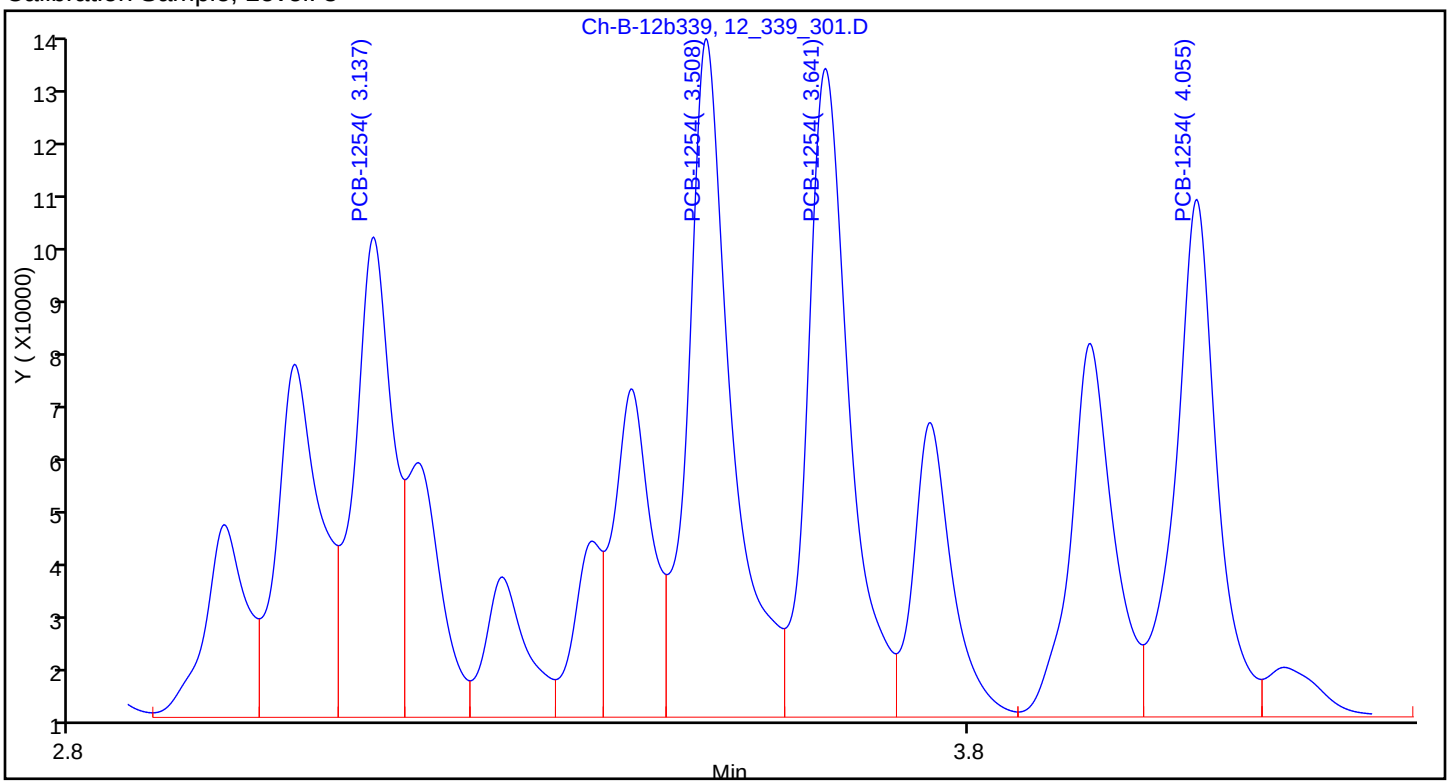
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_258.D

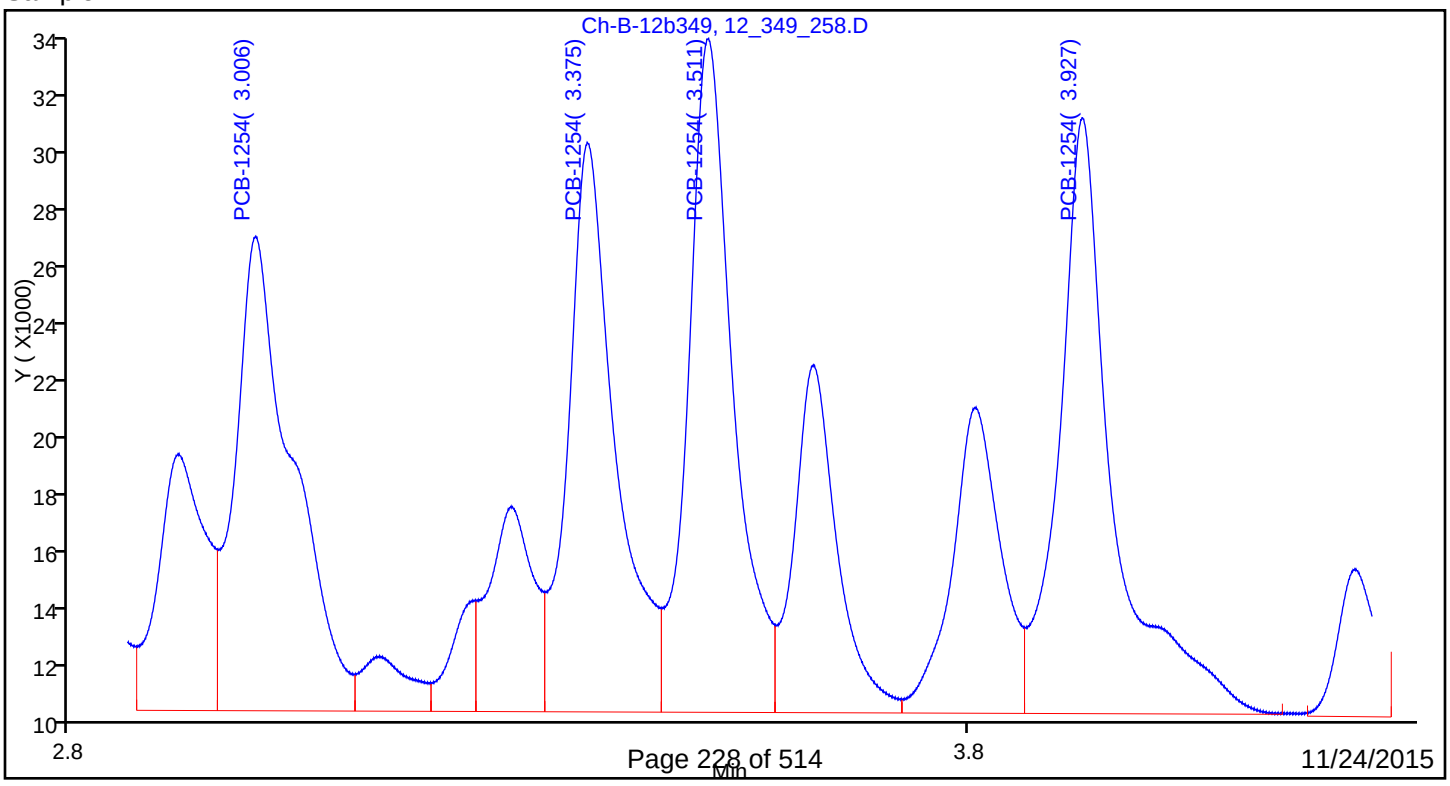
Injection Date:	18-Nov-2015 19:25:43	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-22-A	Lab Sample ID:	480-91253-22		
Client ID:	SS7-8				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-DUP | Lab Sample ID: 480-91253-23

Matrix: Solid | Lab File ID: 12_349_259.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:55

Extraction Method: 3550C | Date Extracted: 11/18/2015 10:06

Sample wt/vol: +2.32(g) | Date Analyzed: 11/18/2015 19:41

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 7.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	ND		0.23	0.045
11097-69-1	PCB-1254	ND		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		60-154
2051-24-3	DCB Decachlorobiphenyl	101		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_259.D
Lims ID: 480-91253-A-23-A Lab Sample ID: 480-91253-23
Client ID: SS7-DUP
Sample Type: Client
Inject. Date: 18-Nov-2015 19:41:30 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 11:59:25 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 11:59:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.581	1.583	-0.002	57062	0.0203	
2	1.221	1.223	-0.002	29181	0.0194	
					RPD = 4.66	
8 PCB-1254						M
1	3.212	3.217	-0.005	823	0.003845	M
1	3.599	3.605	-0.006	821	0.005016	M
1	3.683	3.682	0.001	1776	0.008409	M
1	3.881	3.879	0.002	2361	0.0107	
		Average of Peak Amounts =			0.007004	
2	3.006	3.006	0.000	555	0.004152	M
2	3.375	3.377	-0.002	936	0.004838	
2	3.511	3.511	0.000	1026	0.005503	M
2	3.924	3.928	-0.004	2087	0.0146	
		Average of Peak Amounts =			0.007267	
					RPD = 3.69	
LOD = 0.0100						
$ 12 DCB Decachlorobiphenyl						
1	6.082	6.085	-0.003	56446	0.0163	
2	5.566	5.565	0.001	53191	0.0201	
					RPD = 21.27	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

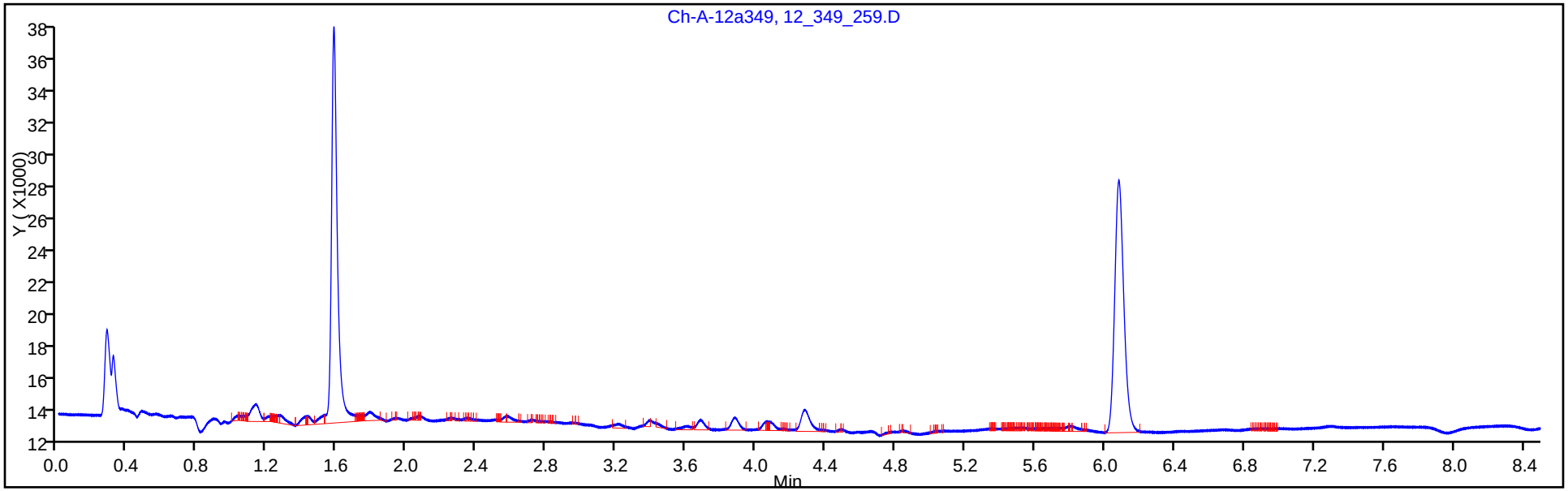
Report Date: 19-Nov-2015 11:59:26 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

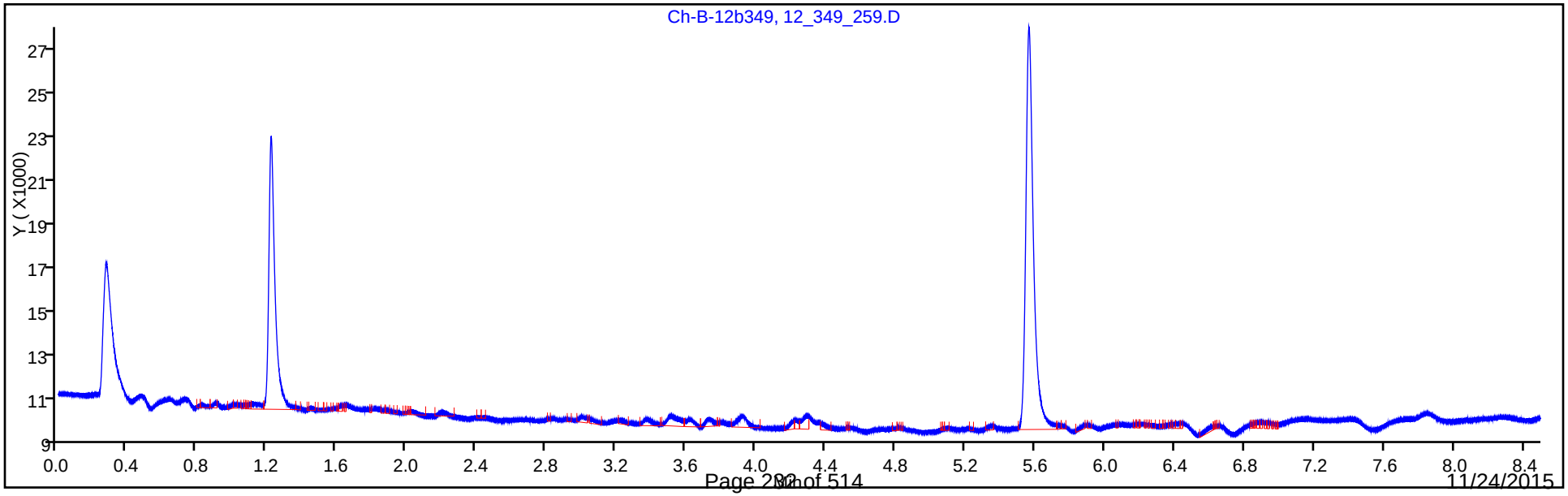
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_259.D

Injection Date:	18-Nov-2015 19:41:30	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-23-A	Lab Sample ID:	480-91253-23	Worklist Smp#:	25
Client ID:	SS7-DUP				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 11:59:26 Chrom Revision: 2.2 08-Oct-2015 07:17:48

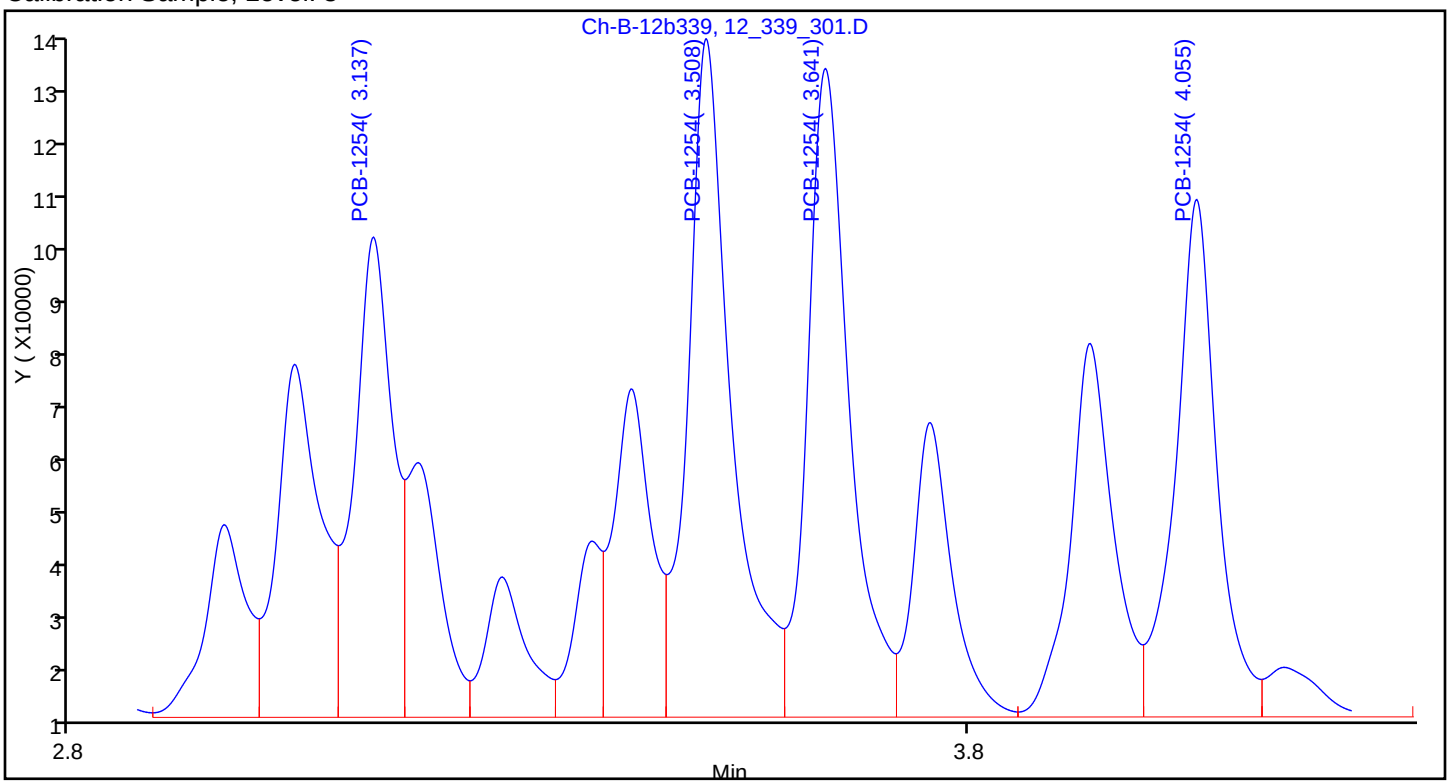
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_259.D

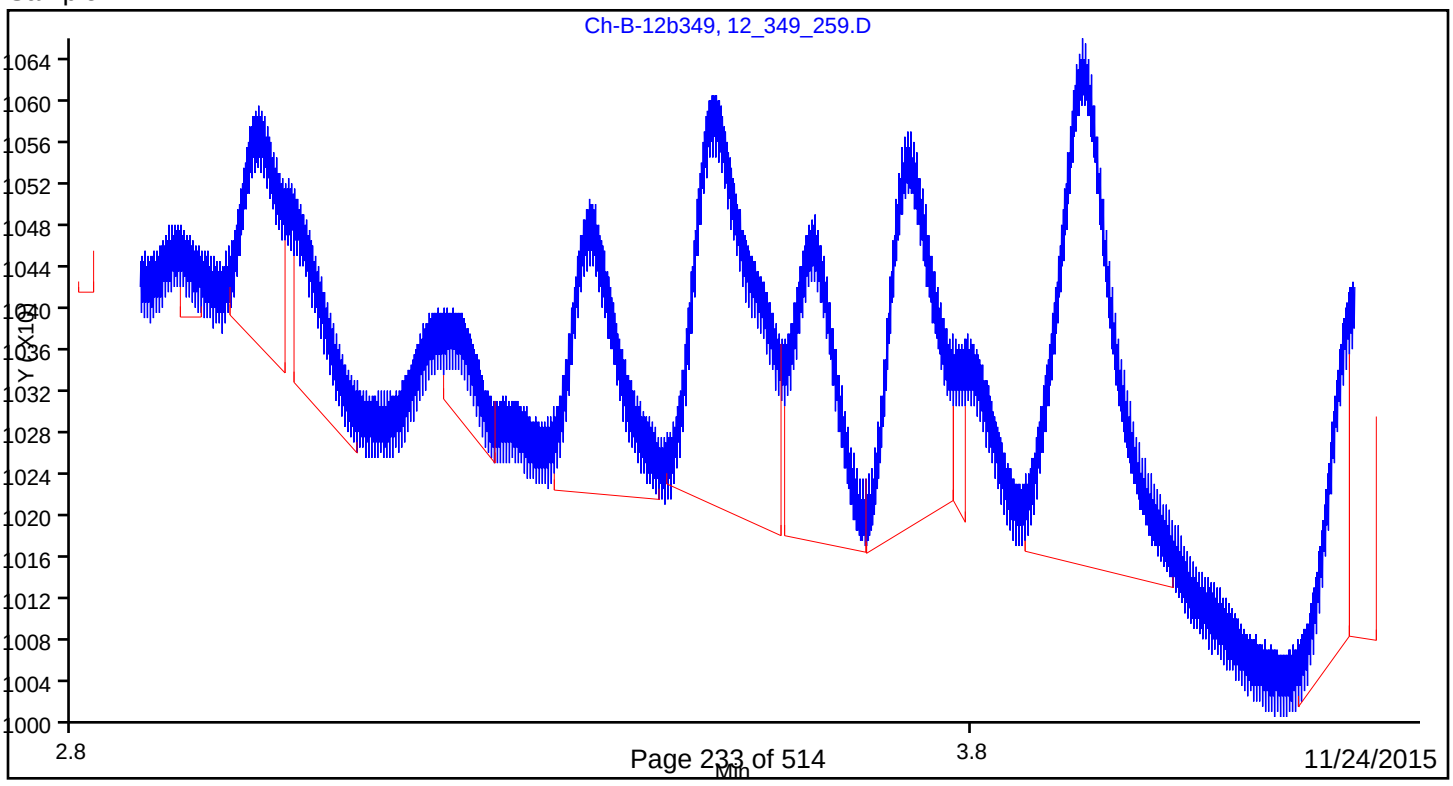
Injection Date:	18-Nov-2015 19:41:30	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-23-A	Lab Sample ID:	480-91253-23		
Client ID:	SS7-DUP				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



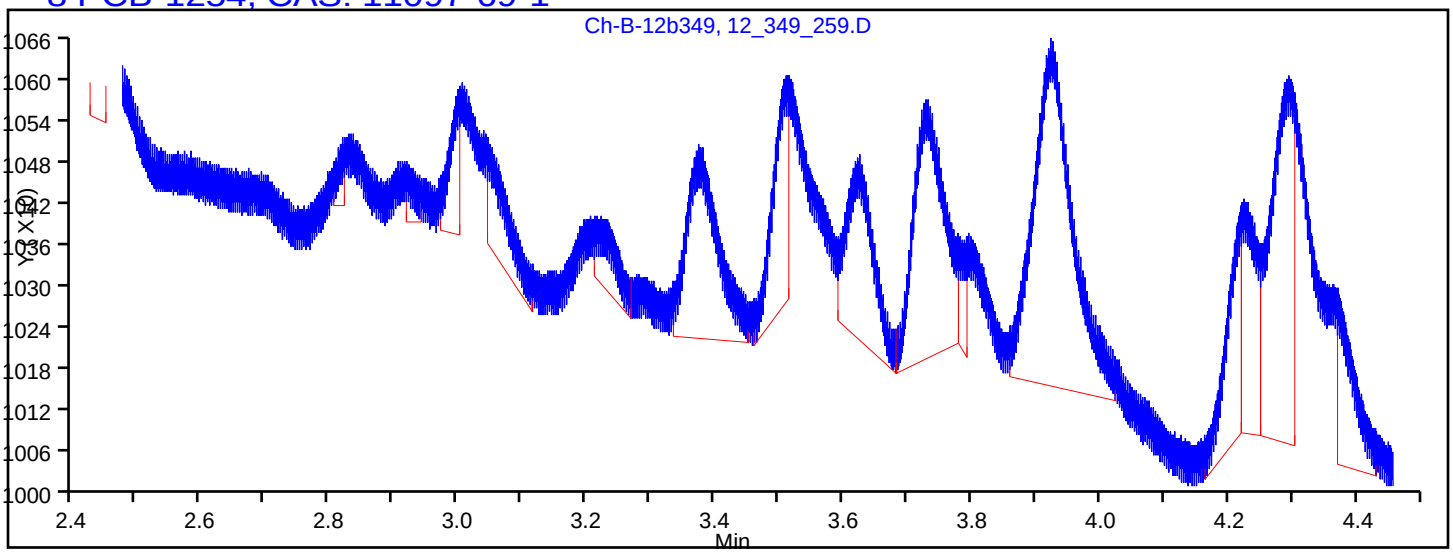
Report Date: 19-Nov-2015 11:59:26 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_259.D

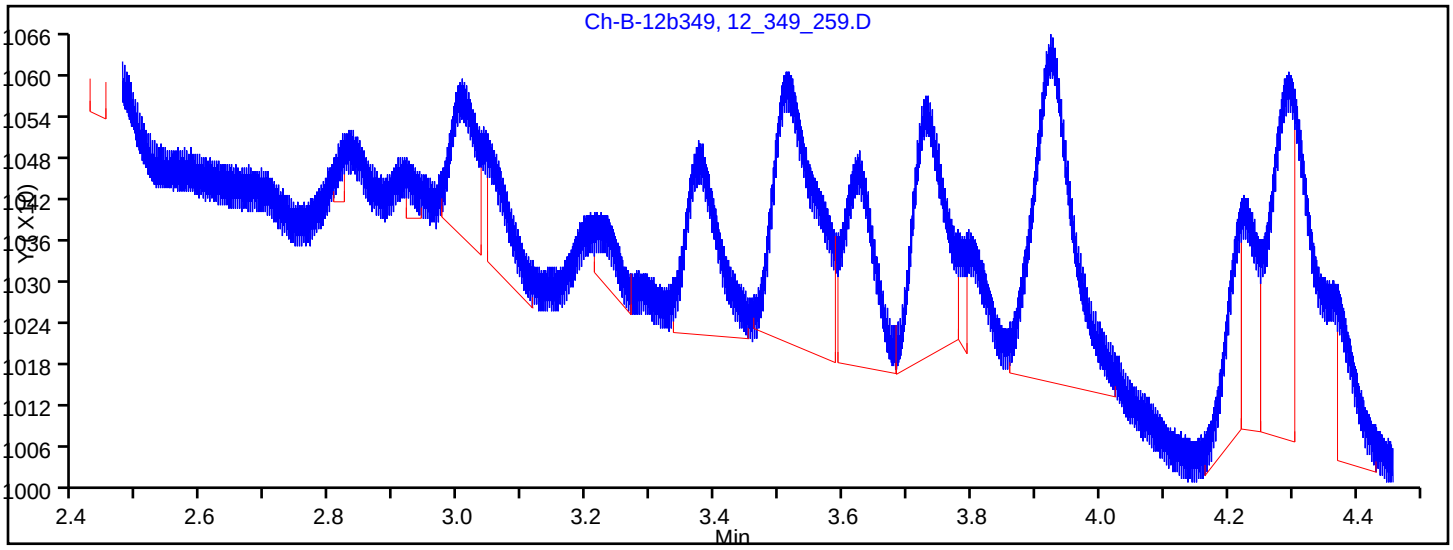
Injection Date:	18-Nov-2015 19:41:30	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-23-A	Lab Sample ID:	480-91253-23		
Client ID:	SS7-DUP				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.001	Response = 209	M
RT = 3.375	Response = 936	
RT = 3.511	Response = 543	M
RT = 3.924	Response = 2087	



Manual Integration Results

RT = 3.006	Response = 555	M
RT = 3.375	Response = 936	
RT = 3.511	Response = 1026	M
RT = 3.924	Response = 2087	

Reviewer: owenj, 19-Nov-2015 11:59:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS-RINSEBLANK | Lab Sample ID: 480-91253-24

Matrix: Water | Lab File ID: 12_349_297.D

Analysis Method: 8082A | Date Collected: 11/17/2015 16:45

Extraction Method: 3510C | Date Extracted: 11/18/2015 13:24

Sample wt/vol: 1041.3(mL) | Date Analyzed: 11/19/2015 05:41

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.48	0.17
11104-28-2	PCB-1221	ND		0.48	0.17
11141-16-5	PCB-1232	ND		0.48	0.17
53469-21-9	PCB-1242	ND		0.48	0.17
12672-29-6	PCB-1248	ND		0.48	0.17
11097-69-1	PCB-1254	ND		0.48	0.24
11096-82-5	PCB-1260	ND		0.48	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		19-125
877-09-8	Tetrachloro-m-xylene	72		24-137

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_297.D
Lims ID: 480-91253-A-24-A Lab Sample ID: 480-91253-24
Client ID: SS-RINSEBLANK
Sample Type: Client
Inject. Date: 19-Nov-2015 05:41:15 ALS Bottle#: 0 Worklist Smp#: 63
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:23:54 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:23:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.583	0.002	43820	0.0156	
2	1.223	1.223	0.000	21776	0.0145	
					RPD = 7.52	
$ 12 DCB Decachlorobiphenyl						
1	6.085	6.085	0.000	41308	0.0119	
2	5.567	5.565	0.002	37636	0.0142	
					RPD = 17.93	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

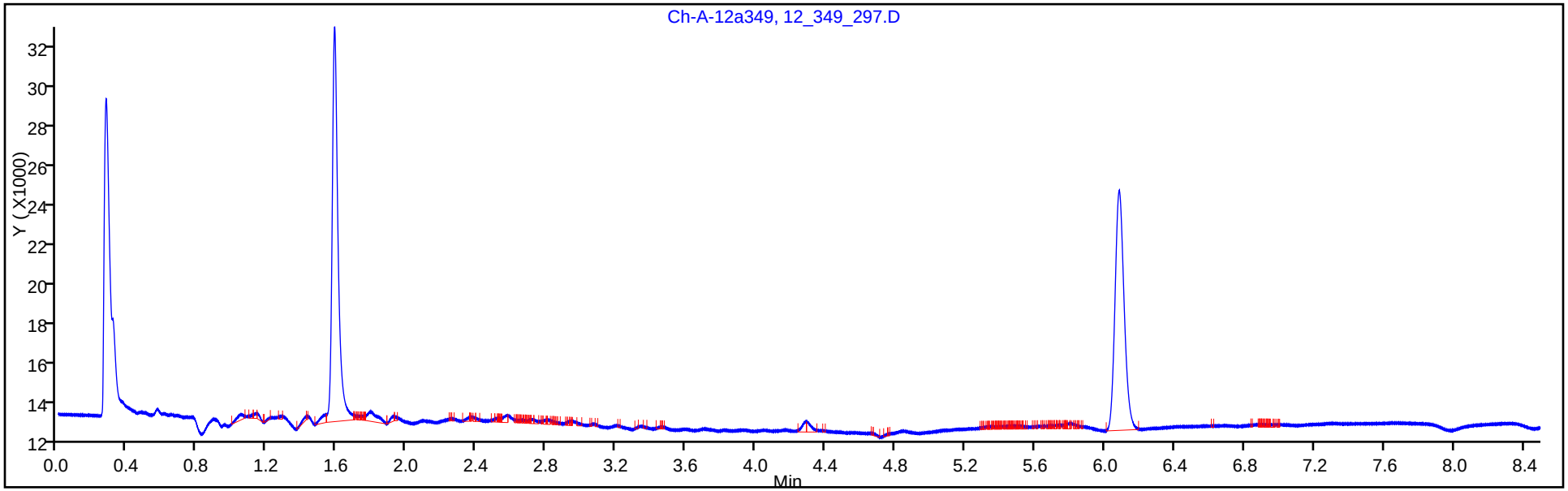
Report Date: 19-Nov-2015 12:23:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

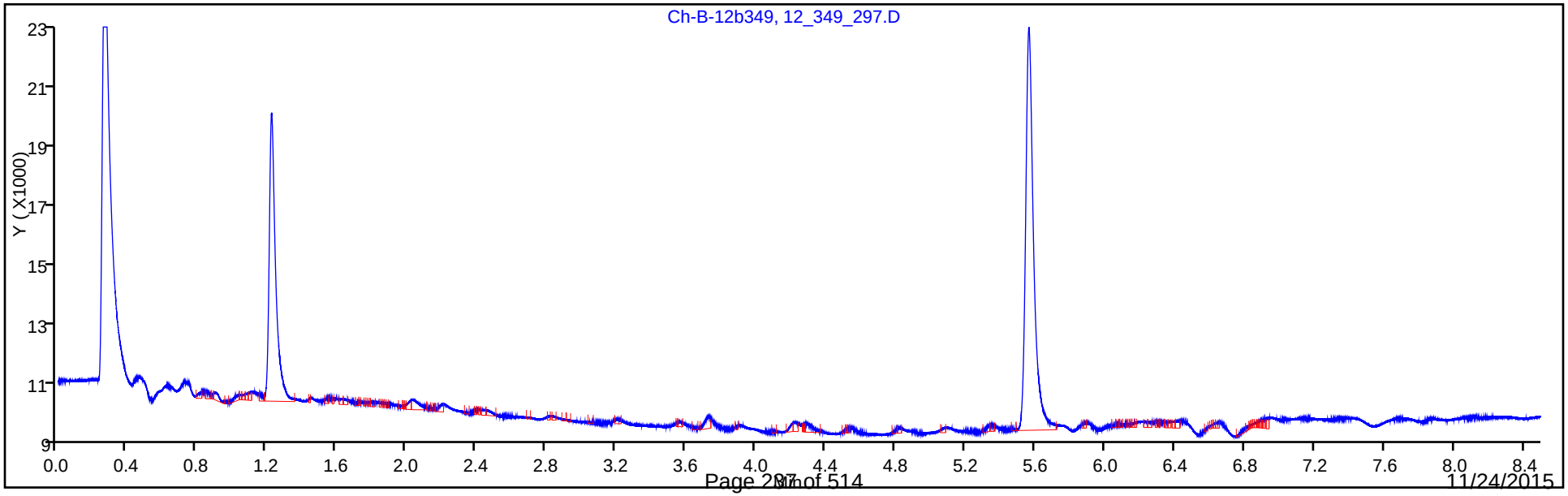
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_297.D

Injection Date:	19-Nov-2015 05:41:15	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-24-A	Lab Sample ID:	480-91253-24	Worklist Smp#:	63
Client ID:	SS-RINSEBLANK				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.251	2.249	2.251	2.255	2.251	2.249	2.245				2.221 - 2.281	2.250
PCB-1016 Peak 2	2.391	2.389	2.389	2.391	2.391	2.387	2.385				2.359 - 2.419	2.389
PCB-1016 Peak 3	2.589	2.586	2.587	2.589	2.588	2.585	2.582				2.557 - 2.617	2.587
PCB-1016 Peak 4	2.684	2.671	2.671	2.671	2.671	2.668	2.665				2.641 - 2.701	2.672
PCB-1260 Peak 1	4.193	4.190	4.191	4.189	4.189	4.187	4.189				4.161 - 4.221	4.190
PCB-1260 Peak 2	4.410	4.407	4.408	4.407	4.407	4.405	4.407				4.378 - 4.438	4.407
PCB-1260 Peak 3	4.539	4.535	4.538	4.535	4.535	4.533	4.535				4.508 - 4.568	4.536
PCB-1260 Peak 4	4.920	4.917	4.918	4.916	4.916	4.915	4.916				4.888 - 4.948	4.917
Tetrachloro-m-xylene	1.692	1.689	1.687	1.688	1.689	1.687	1.685				1.657 - 1.717	1.688
DCB Decachlorobiphenyl	6.233	6.231	6.235	6.232	6.231	6.232	6.232				6.205 - 6.265	6.232

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	182100 140444	150880 123446	147820 111667	142775	Ave		142733.071				15.6		20.0			
PCB-1016 Peak 2	115000 75830	87000 73031	80670 70379	80135	Ave		83149.2857				18.1		20.0			
PCB-1016 Peak 3	290150 225892	251300 217812	239090 211383	235370	Ave		238713.857				11.0		20.0			
PCB-1016 Peak 4	110850 93282	127820 89290	115520 85644	101305	Ave		103387.286				14.9		20.0			
PCB-1260 Peak 1	296050 241658	272340 237940	263620 224543	263760	Ave		257130.071				9.4		20.0			
PCB-1260 Peak 2	210850 218512	232240 217627	228450 210935	229315	Ave		221132.714				4.0		20.0			
PCB-1260 Peak 3	246300 211768	235480 207002	230560 198632	225200	Ave		222134.500				7.6		20.0			
PCB-1260 Peak 4	298500 301252	310600 294371	305900 285397	314060	Ave		301440.000				3.3		20.0			
Tetrachloro-m-xylene	3040000 2740400	2840000 2700280	2847200 2761860	2709400	Ave		2805591.43				4.2		20.0			
DCB Decachlorobiphenyl	4290000 3181600	4123200 3018000	3396800 2942340	3349600	Ave		3471648.57				15.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	3642 123446	7544 223333	14782	28555	70222	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	2300 73031	4350 140758	8067	16027	37915	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	5803 217812	12565 422766	23909	47074	112946	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	2217 89290	6391 171288	11552	20261	46641	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	5921 237940	13617 449085	26362	52752	120829	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	4217 217627	11612 421870	22845	45863	109256	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	4926 207002	11774 397263	23056	45040	105884	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	5970 294371	15530 570794	30590	62812	150626	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	1520 67507	3550 138093	7118	13547	34255	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	2145 75450	5154 147117	8492	16748	39770	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Aug-2015 13:14:05 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:44 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:04:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.685	1.687	-0.002	138093	0.0500	0.0492	
2	1.308	1.310	-0.002	87730	0.0500	0.0584	
						RPD = 17.00	
6 PCB-1016							
1	2.245	2.251	-0.006	223333	2.00	1.56	a
1	2.385	2.389	-0.004	140758	2.00	1.69	
1	2.582	2.587	-0.005	422766	2.00	1.77	
1	2.665	2.671	-0.006	171288	2.00	1.66	
		Average of Peak Amounts =				1.67	
2	1.967	1.975	-0.008	218067	2.00	1.83	a
2	2.259	2.265	-0.006	343305	2.00	2.28	
2	2.372	2.375	-0.003	141962	2.00	2.03	
2	2.735	2.743	-0.008	168791	2.00	2.31	
		Average of Peak Amounts =				2.11	
						RPD = 23.30	
9 PCB-1260							
1	4.189	4.191	-0.002	449085	2.00	1.75	
1	4.407	4.408	-0.001	421870	2.00	1.91	
1	4.535	4.538	-0.003	397263	2.00	1.79	
1	4.916	4.918	-0.002	570794	2.00	1.89	a
		Average of Peak Amounts =				1.83	
2	4.056	4.055	0.001	349533	2.00	2.22	a
2	4.358	4.361	-0.003	187209	2.00	2.02	a
2	4.495	4.497	-0.002	460761	2.00	2.15	a
2	4.810	4.814	-0.004	410659	2.00	2.24	a
		Average of Peak Amounts =				2.16	
						RPD = 16.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	147117	0.0500	0.0424	
2	5.683	5.687	-0.004	117584	0.0500	0.0445	
						RPD =	4.88

Reagents:

1660sur/is2.0_00002 Amount Added: 1.00 Units: mL

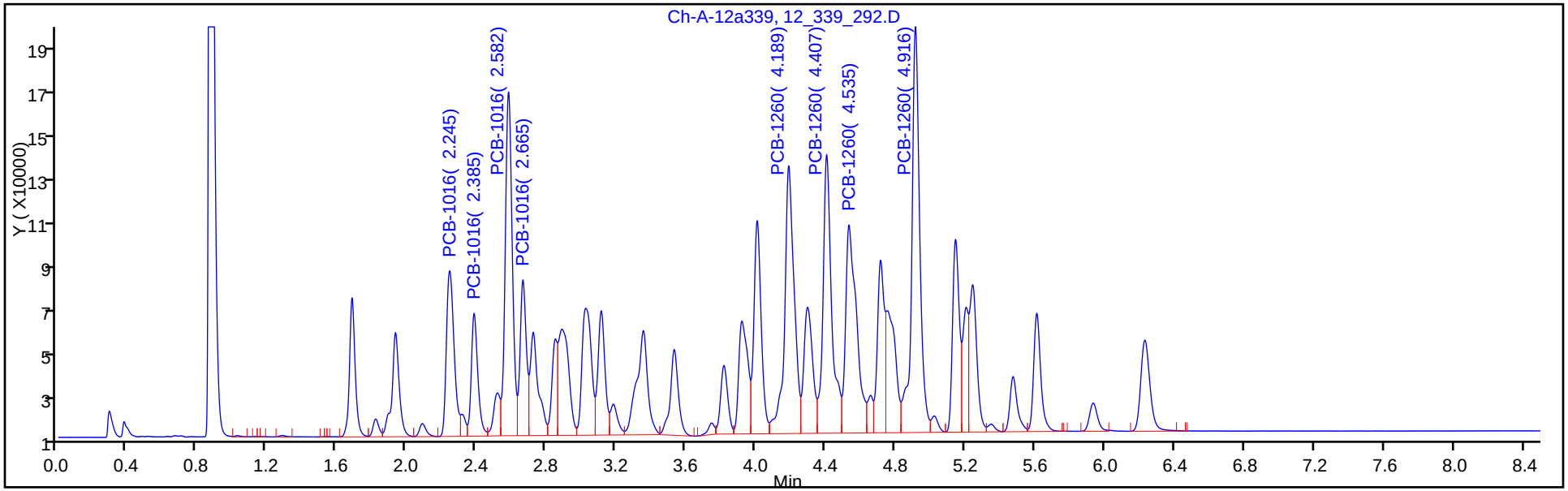
Report Date: 04-Aug-2015 09:07:45 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

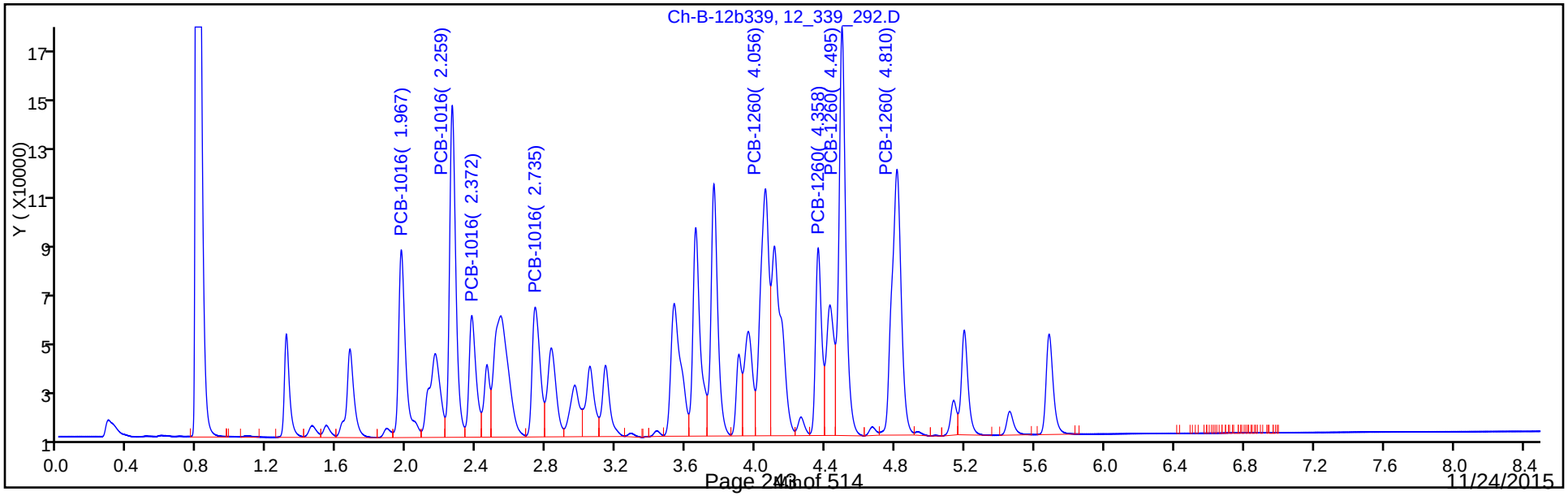
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D

Injection Date:	01-Aug-2015 13:14:05	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 01-Aug-2015 13:29:01 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:46 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:06:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.687	1.687	0.000	67507	0.0250	0.0241	M
2	1.311	1.310	0.001	37034	0.0250	0.0246	
						RPD = 2.36	
6 PCB-1016							M
1	2.249	2.251	-0.002	123446	1.00	0.8649	M
1	2.387	2.389	-0.002	73031	1.00	0.8783	M
1	2.585	2.587	-0.002	217812	1.00	0.9124	M
1	2.668	2.671	-0.003	89290	1.00	0.8636	M
		Average of Peak Amounts =				0.8798	
2	1.971	1.975	-0.004	112700	1.00	0.9435	
2	2.263	2.265	-0.002	162627	1.00	1.08	
2	2.375	2.375	0.000	69030	1.00	0.9883	
2	2.739	2.743	-0.004	80910	1.00	1.10	
		Average of Peak Amounts =				1.03	
						RPD = 15.71	
9 PCB-1260							M
1	4.187	4.191	-0.004	237940	1.00	0.9254	M
1	4.405	4.408	-0.003	217627	1.00	0.9841	M
1	4.533	4.538	-0.005	207002	1.00	0.9319	M
1	4.915	4.918	-0.003	294371	1.00	0.9765	M
		Average of Peak Amounts =				0.9545	
2	4.053	4.055	-0.002	168339	1.00	1.07	
2	4.357	4.361	-0.004	91614	1.00	0.9872	
2	4.493	4.497	-0.004	226538	1.00	1.06	
2	4.810	4.814	-0.004	197760	1.00	1.08	
		Average of Peak Amounts =				1.05	
						RPD = 9.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	75450	0.0250	0.0217	
2	5.683	5.687	-0.004	59247	0.0250	0.0224	
						RPD = 3.11	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00003 Amount Added: 1.00 Units: mL

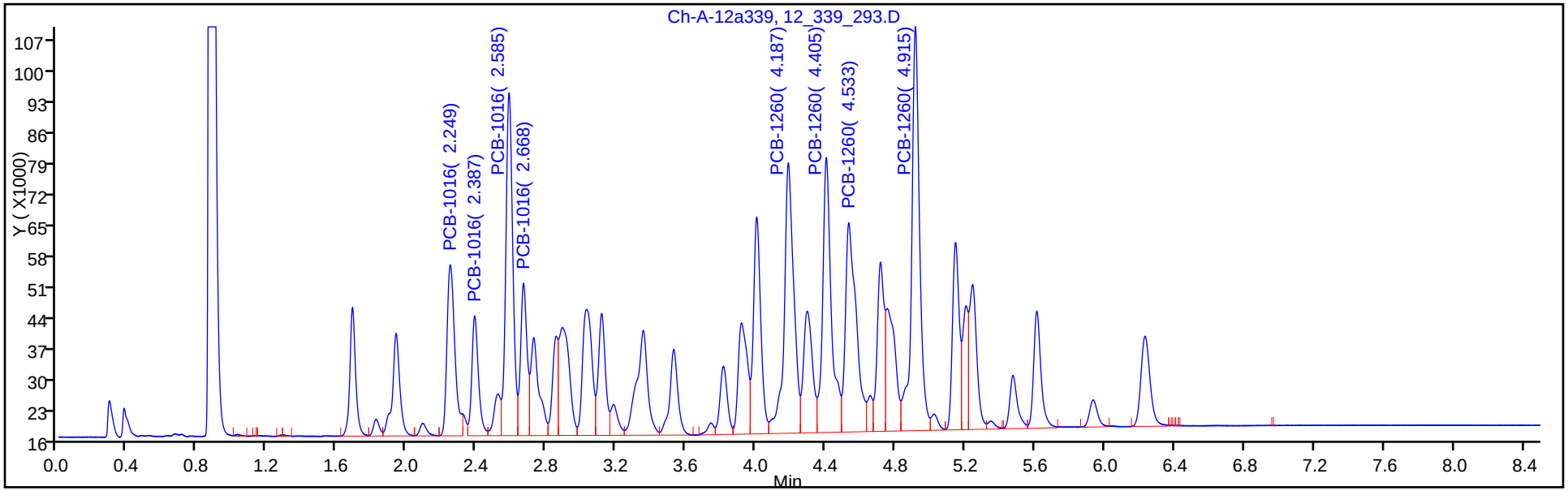
Report Date: 04-Aug-2015 09:07:47 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

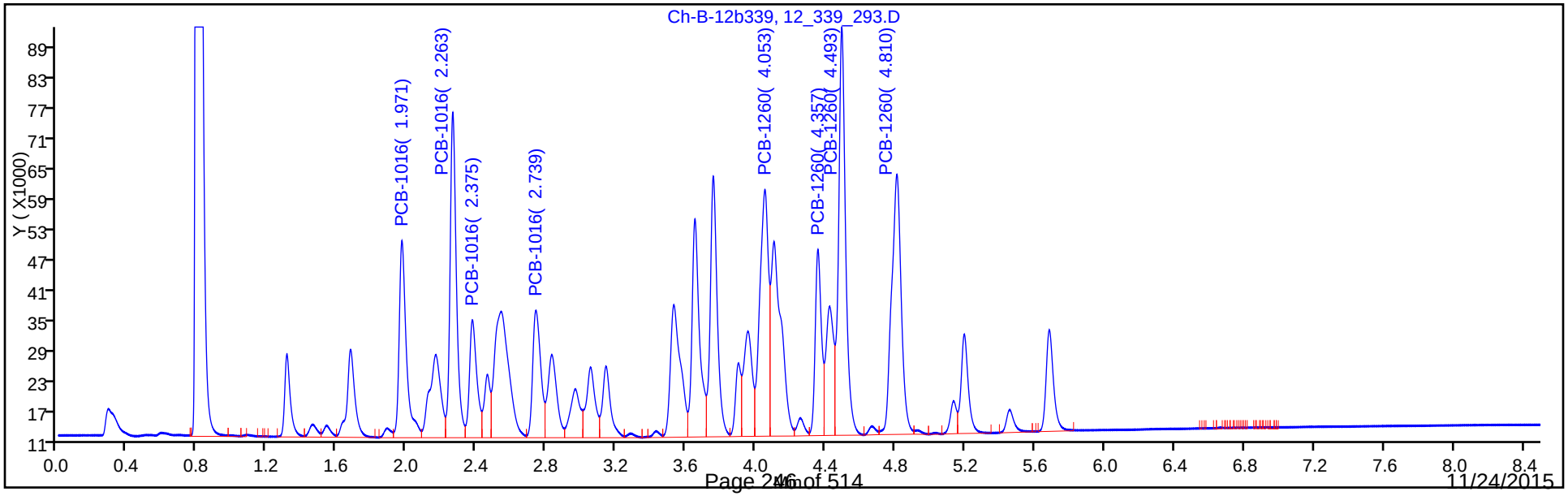
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date:	01-Aug-2015 13:29:01	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Manual Integration/User Assign Peak Report

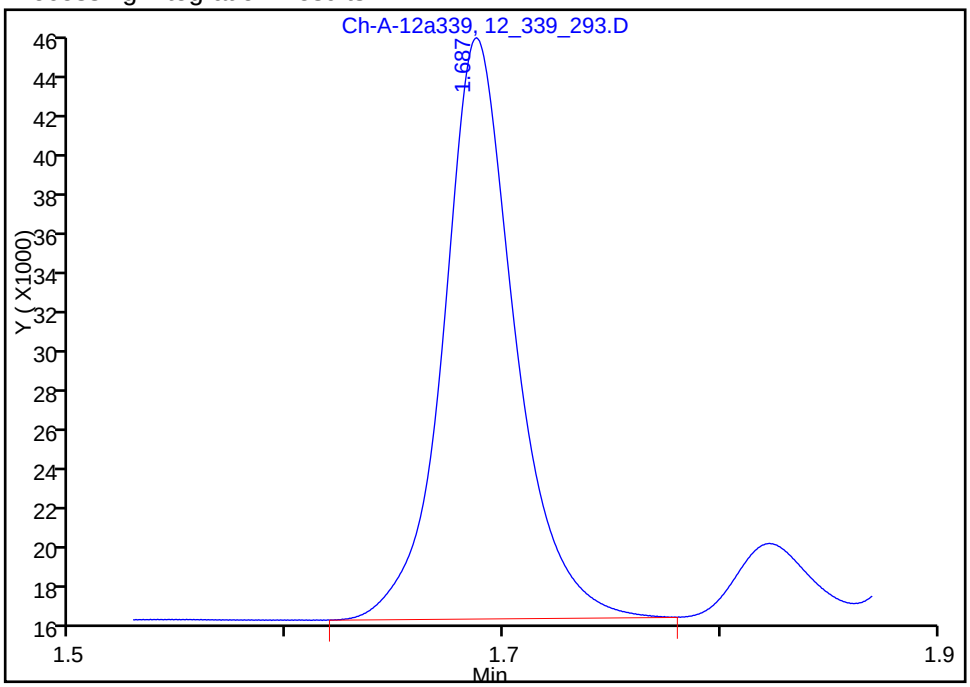
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D
Injection Date: 01-Aug-2015 13:29:01 Instrument ID: HP5890-12
Lims ID: IC 6
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

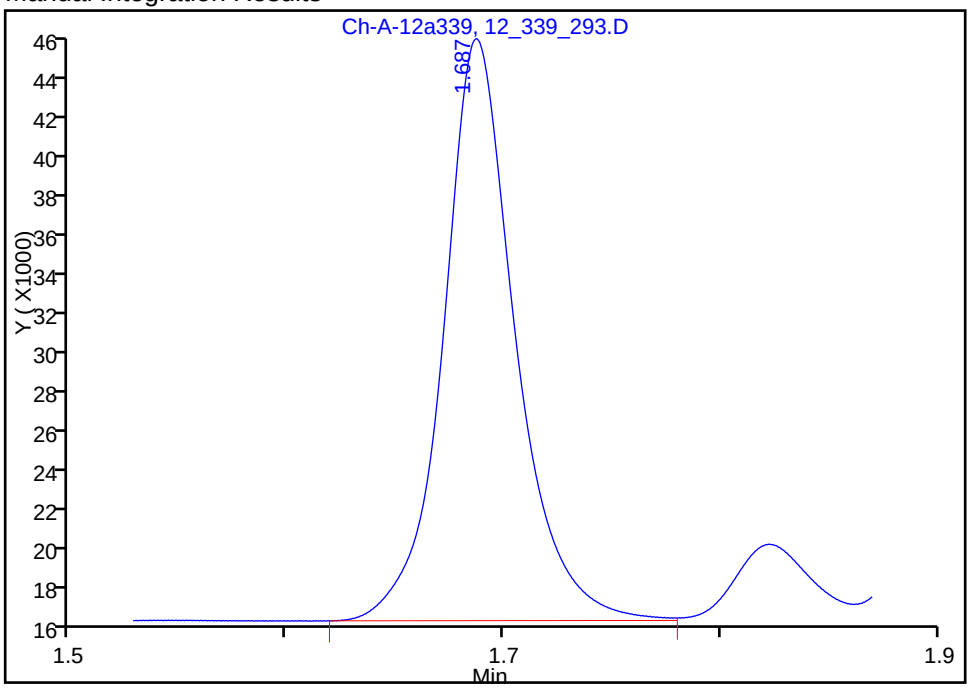
Processing Integration Results

RT: 1.69
Area: 67030
Amount: 0.023872
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 67507
Amount: 0.024062
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:06:18
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:47 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date: 01-Aug-2015 13:29:01 Instrument ID: HP5890-12

Lims ID: IC 6

Client ID:

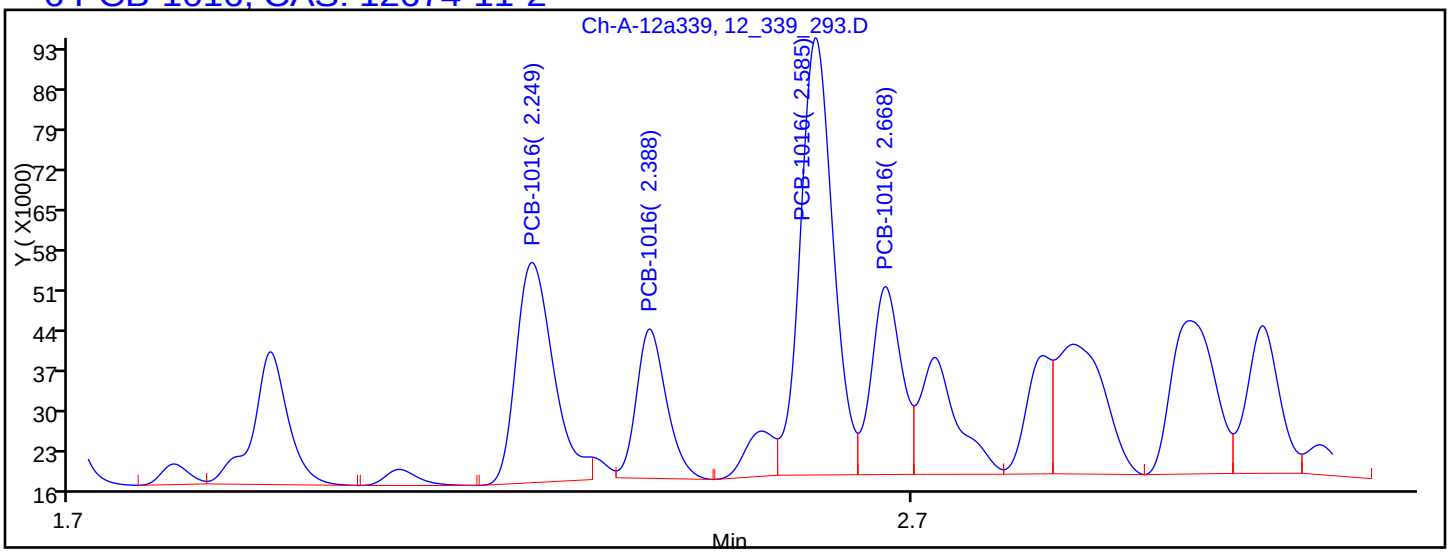
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

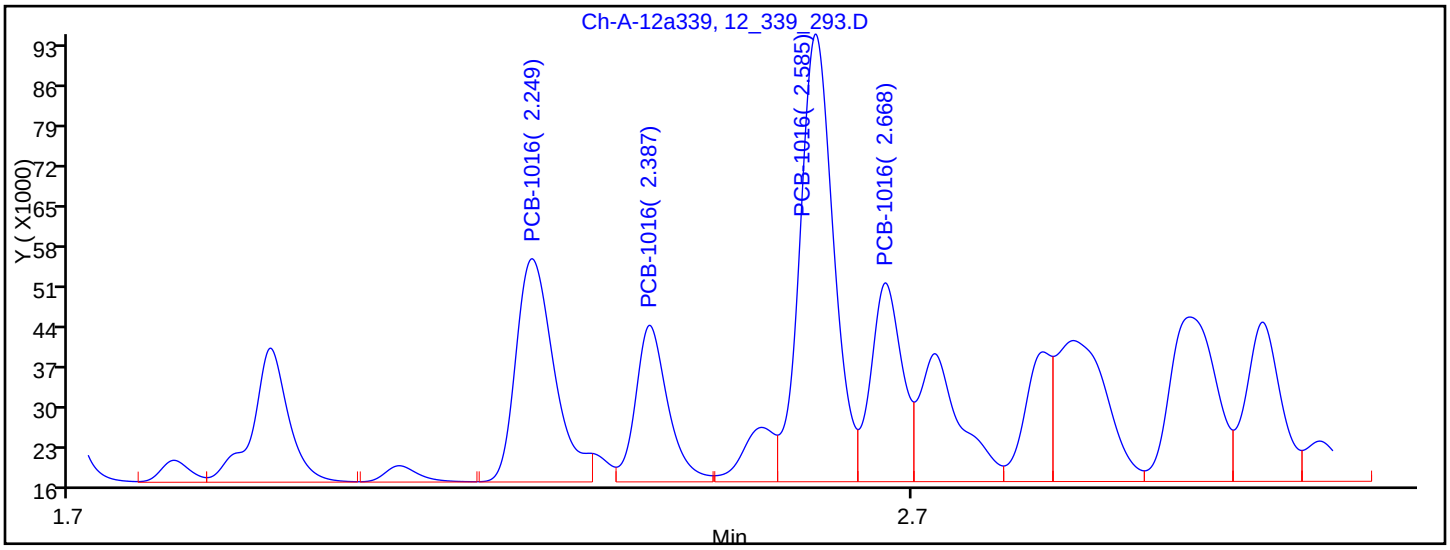
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.249	Response = 119010	M
RT = 2.388	Response = 64671	M
RT = 2.585	Response = 207399	M
RT = 2.668	Response = 81732	M



Manual Integration Results

RT = 2.249	Response = 123446	M
RT = 2.387	Response = 73031	M
RT = 2.585	Response = 217812	M
RT = 2.668	Response = 89290	M

Reviewer: eversd, 03-Aug-2015 11:06:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:47 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date: 01-Aug-2015 13:29:01 Instrument ID: HP5890-12

Lims ID: IC 6

Client ID:

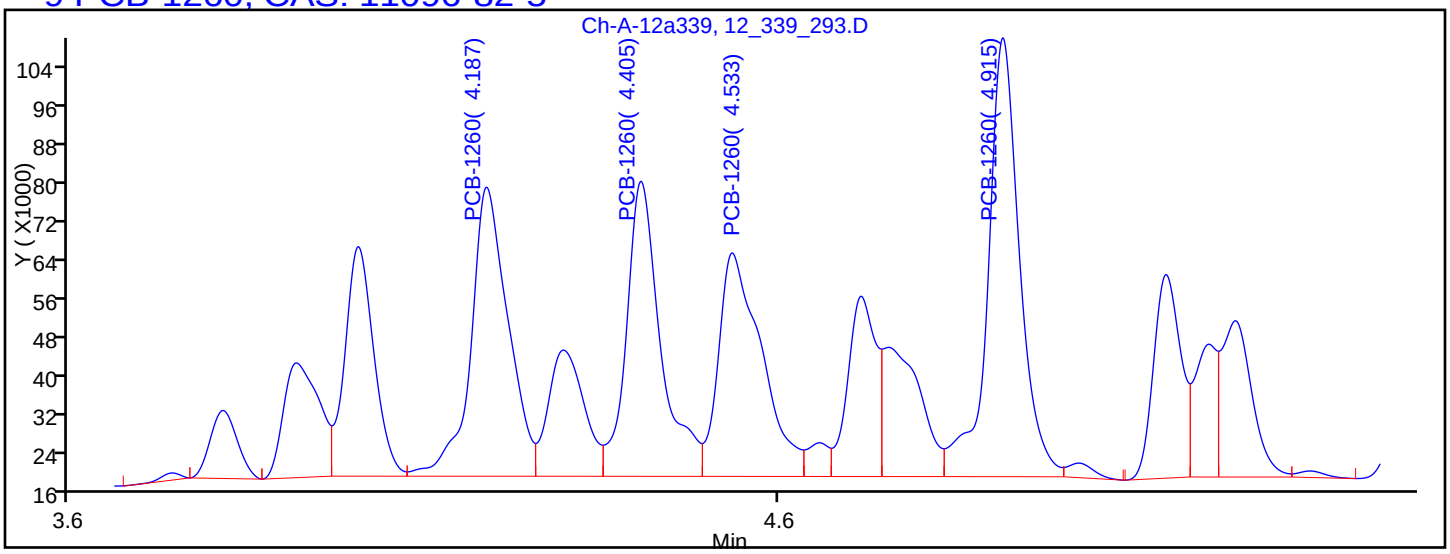
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

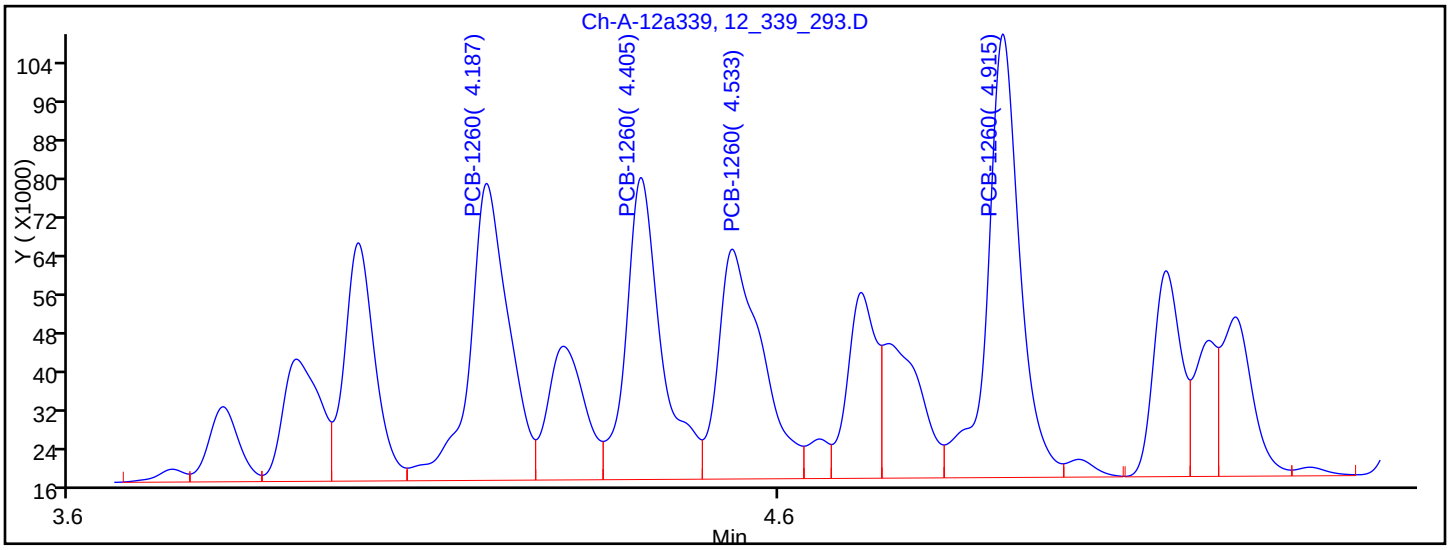
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.187	Response = 219928	M
RT = 4.405	Response = 205657	M
RT = 4.533	Response = 195861	M
RT = 4.915	Response = 284747	M



Manual Integration Results

RT = 4.187	Response = 237940	M
RT = 4.405	Response = 217627	M
RT = 4.533	Response = 207002	M
RT = 4.915	Response = 294371	M

Reviewer: eversd, 03-Aug-2015 11:06:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Aug-2015 13:43:59 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:49 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.689	1.689	0.000	34255	0.0125	0.0122	
2	1.310	1.310	0.000	16787	0.0125	0.0112	
						RPD = 8.91	
6 PCB-1016							
1	2.251	2.251	0.000	70222	0.5000	0.4920	
1	2.391	2.391	0.000	37915	0.5000	0.4560	
1	2.588	2.588	0.000	112946	0.5000	0.4731	
1	2.671	2.671	0.000	46641	0.5000	0.4511	
		Average of Peak Amounts =				0.4681	
2	1.976	1.976	0.000	60815	0.5000	0.5091	
2	2.266	2.266	0.000	77005	0.5000	0.5125	
2	2.379	2.379	0.000	34194	0.5000	0.4896	
2	2.744	2.744	0.000	38889	0.5000	0.5311	
		Average of Peak Amounts =				0.5106	
						RPD = 8.69	
9 PCB-1260							
1	4.189	4.189	0.000	120829	0.5000	0.4699	
1	4.407	4.407	0.000	109256	0.5000	0.4941	
1	4.535	4.535	0.000	105884	0.5000	0.4767	
1	4.916	4.916	0.000	150626	0.5000	0.4997	
		Average of Peak Amounts =				0.4851	
2	4.054	4.054	0.000	81175	0.5000	0.5164	
2	4.359	4.359	0.000	45086	0.5000	0.4858	
2	4.495	4.495	0.000	110930	0.5000	0.5180	
2	4.810	4.810	0.000	94741	0.5000	0.5174	
		Average of Peak Amounts =				0.5094	
						RPD = 4.89	
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.231	0.000	39770	0.0125	0.0115	
2	5.682	5.682	0.000	30597	0.0125	0.0116	
						RPD = 1.06	

Reagents:

1660sur/is0.5_00002 Amount Added: 1.00 Units: mL

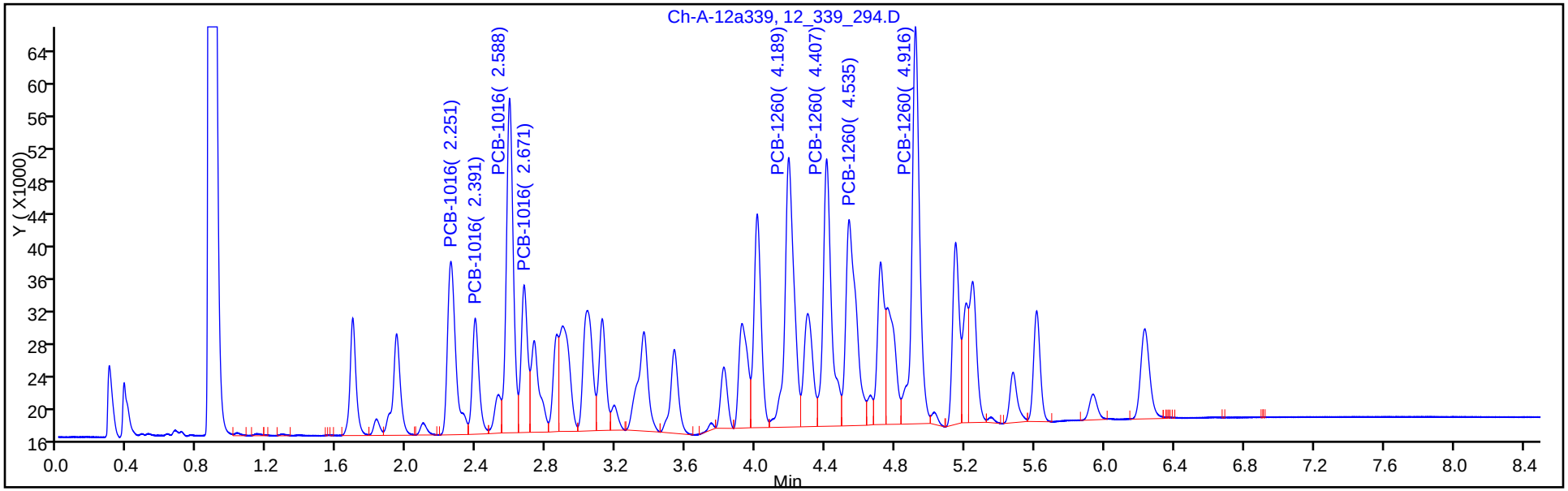
Report Date: 04-Aug-2015 09:07:50 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

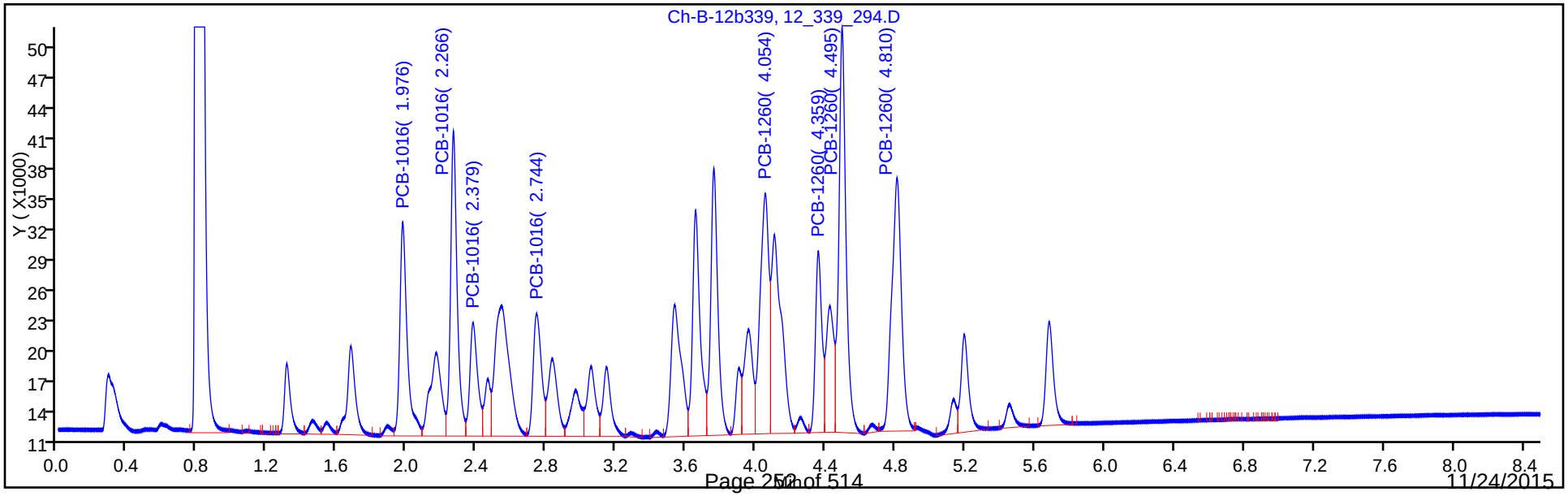
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D

Injection Date:	01-Aug-2015 13:43:59	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Aug-2015 13:58:50 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:52 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.688	1.689	-0.001	13547	0.005000	0.004829	
2	1.310	1.310	0.000	6217	0.005000	0.004136	
						RPD = 15.45	
6 PCB-1016							M
1	2.255	2.251	0.004	28555	0.2000	0.2001	M
1	2.391	2.391	0.000	16027	0.2000	0.1927	M
1	2.589	2.588	0.001	47074	0.2000	0.1972	M
1	2.671	2.671	0.000	20261	0.2000	0.1960	M
		Average of Peak Amounts =				0.1965	
2	1.975	1.976	-0.001	24277	0.2000	0.2032	M
2	2.269	2.266	0.003	28119	0.2000	0.1871	M
2	2.379	2.379	0.000	13402	0.2000	0.1919	M
2	2.745	2.744	0.001	14320	0.2000	0.1956	M
		Average of Peak Amounts =				0.1945	
						RPD = 1.04	
9 PCB-1260							M
1	4.189	4.189	0.000	52752	0.2000	0.2052	M
1	4.407	4.407	0.000	45863	0.2000	0.2074	M
1	4.535	4.535	0.000	45040	0.2000	0.2028	M
1	4.916	4.916	0.000	62812	0.2000	0.2084	M
		Average of Peak Amounts =				0.2059	
2	4.053	4.054	-0.001	29782	0.2000	0.1895	M
2	4.359	4.359	0.000	17291	0.2000	0.1863	M
2	4.496	4.495	0.001	43010	0.2000	0.2008	M
2	4.810	4.810	0.000	36559	0.2000	0.1996	M
		Average of Peak Amounts =				0.1941	
						RPD = 5.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.231	0.001	16748	0.005000	0.004824	
2	5.683	5.682	0.001	12541	0.005000	0.004746	
						RPD = 1.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00002 Amount Added: 1.00 Units: mL

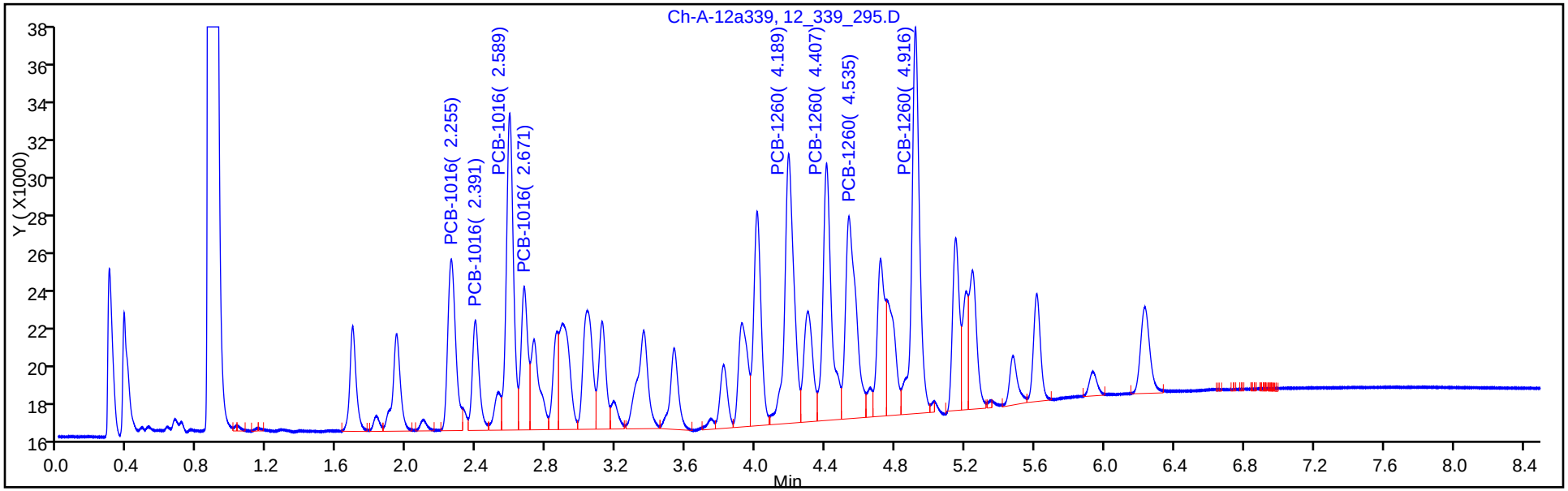
Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

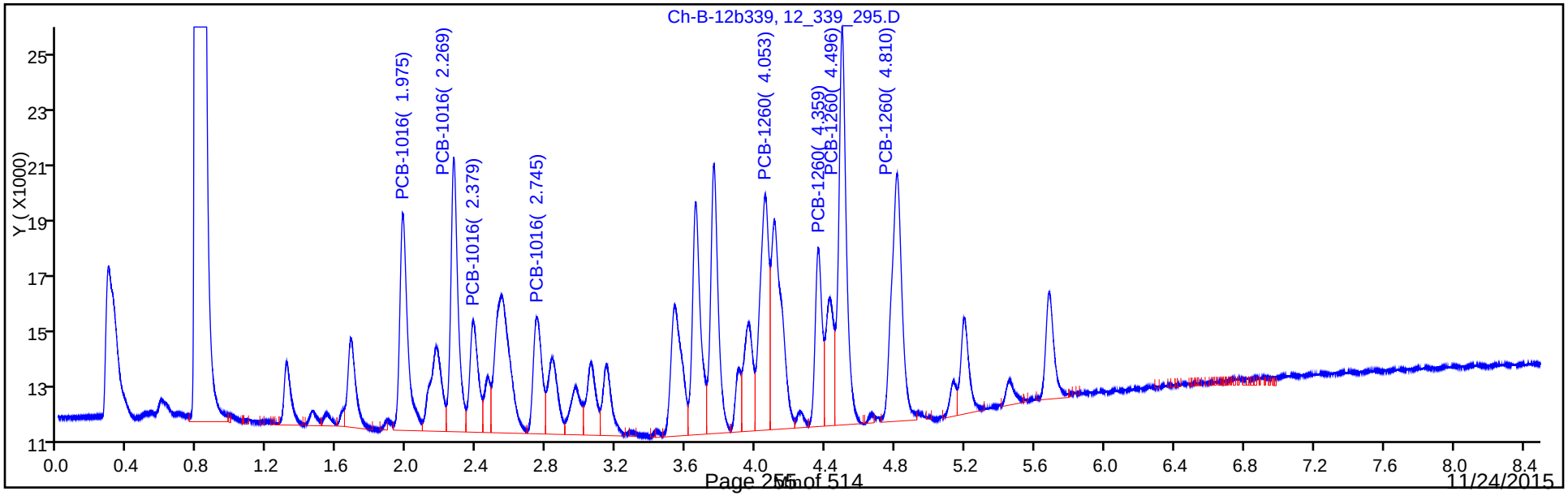
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date:	01-Aug-2015 13:58:50	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date: 01-Aug-2015 13:58:50 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

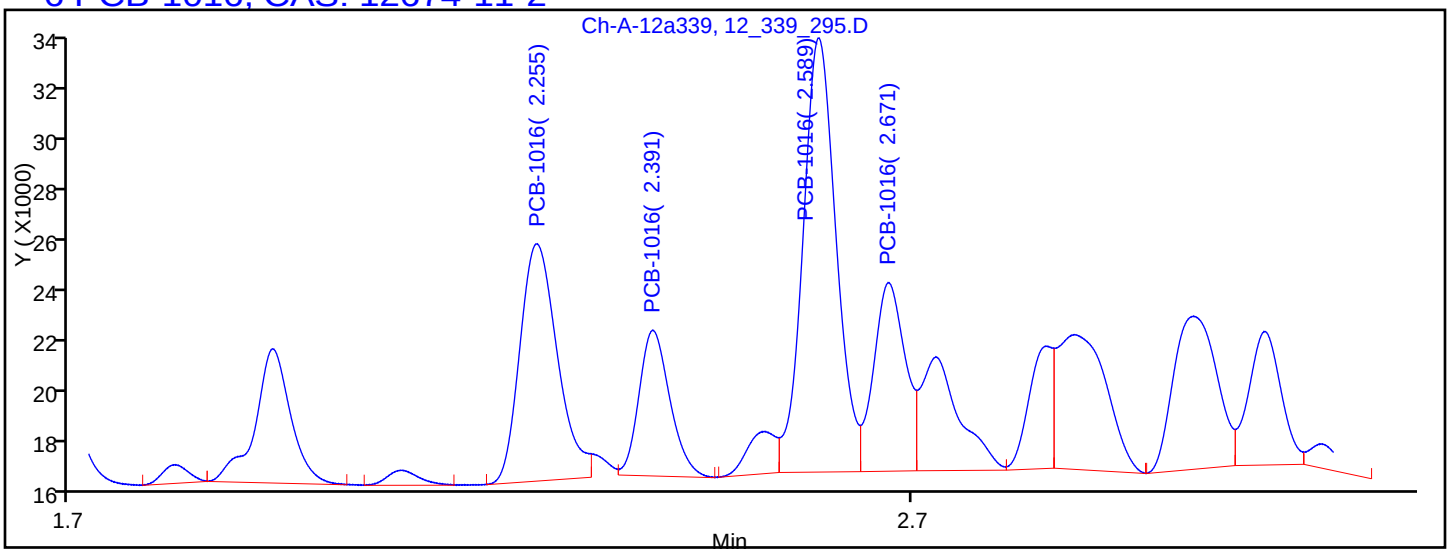
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

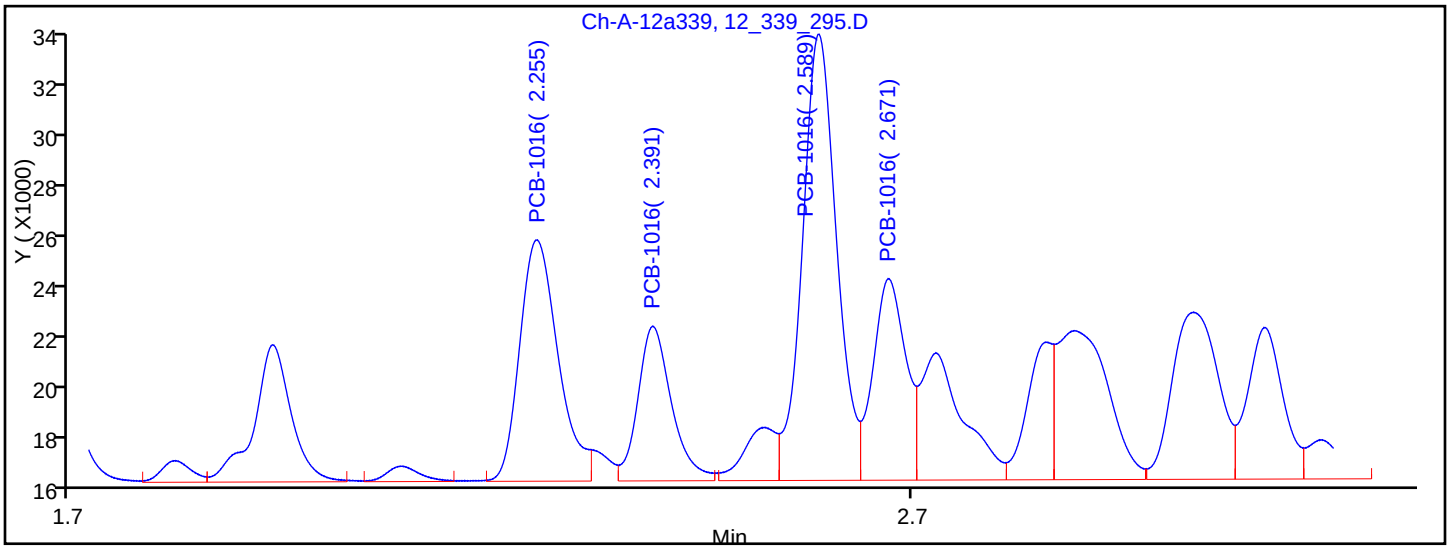
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.255	Response = 27347	M
RT = 2.391	Response = 13832	M
RT = 2.589	Response = 44395	M
RT = 2.671	Response = 18315	M



Manual Integration Results

RT = 2.255	Response = 28555	M
RT = 2.391	Response = 16027	M
RT = 2.589	Response = 47074	M
RT = 2.671	Response = 20261	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date: 01-Aug-2015 13:58:50 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

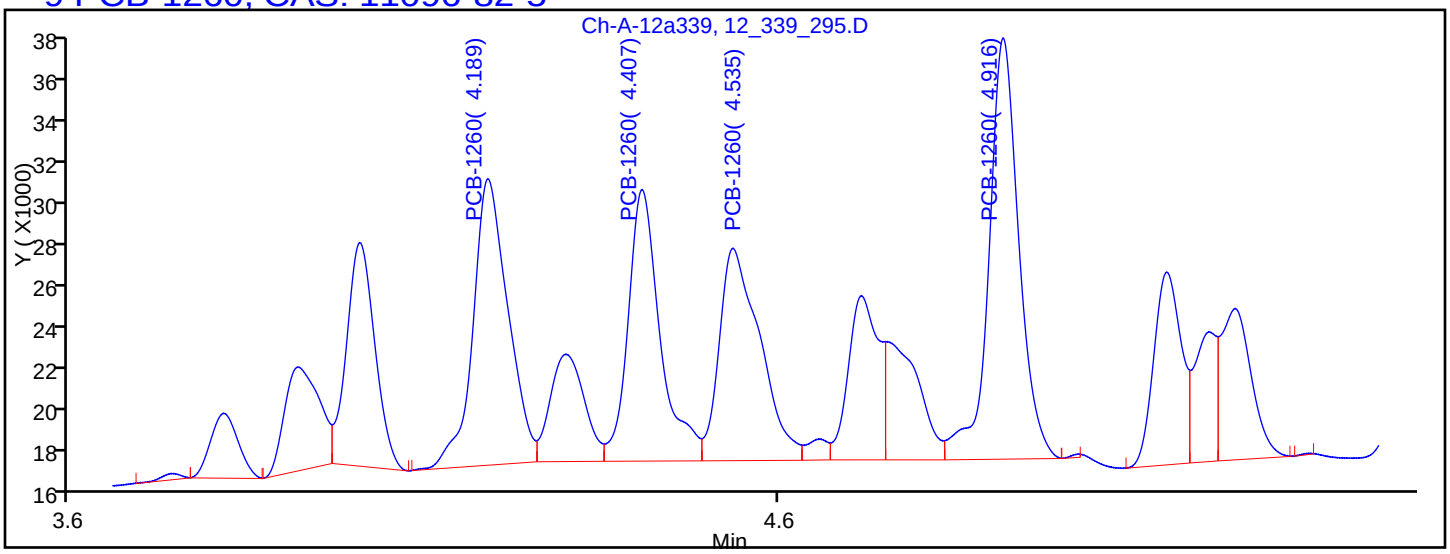
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

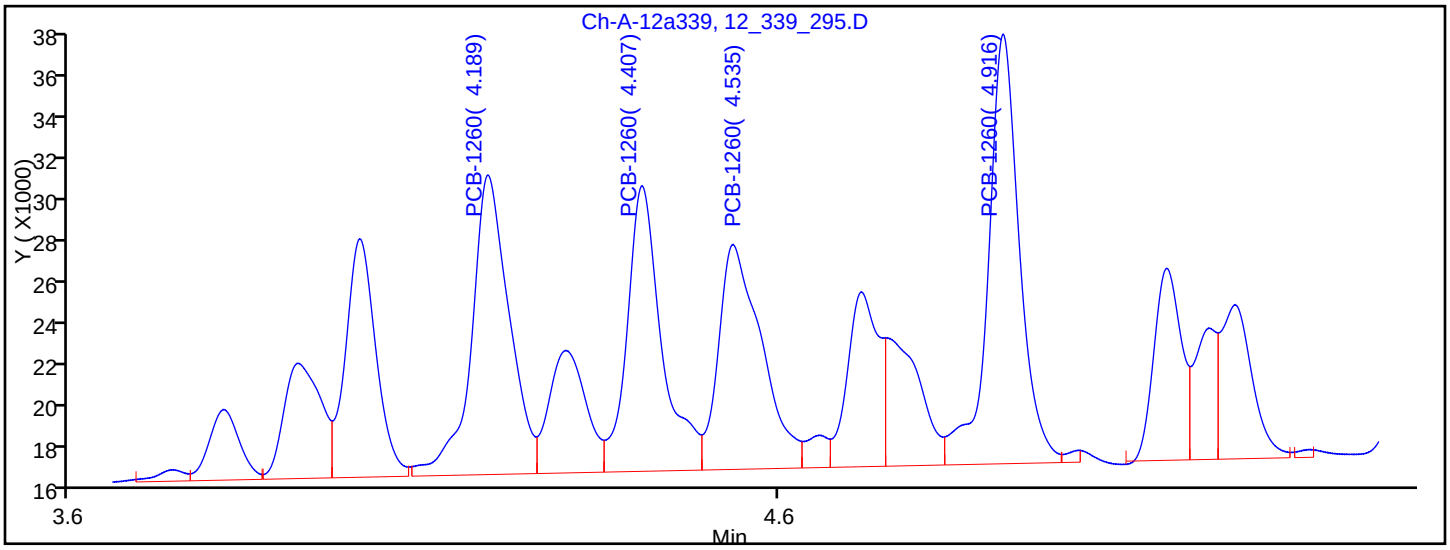
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.189	Response = 46535	M
RT = 4.407	Response = 40481	M
RT = 4.535	Response = 40156	M
RT = 4.916	Response = 58924	M



Manual Integration Results

RT = 4.189	Response = 52752	M
RT = 4.407	Response = 45863	M
RT = 4.535	Response = 45040	M
RT = 4.916	Response = 62812	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-Aug-2015 14:13:48 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:55 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.687	1.687	0.000	7118	0.002500	0.002537	
2	1.310	1.310	0.000	3326	0.002500	0.002213	
						RPD = 13.66	
6 PCB-1016							
1	2.251	2.251	0.000	14782	0.1000	0.1036	
1	2.389	2.389	0.000	8067	0.1000	0.0970	
1	2.587	2.587	0.000	23909	0.1000	0.1002	
1	2.671	2.671	0.000	11552	0.1000	0.1117	
		Average of Peak Amounts =				0.1031	
2	1.975	1.975	0.000	12540	0.1000	0.1050	
2	2.265	2.265	0.000	14153	0.1000	0.0942	
2	2.375	2.375	0.000	6820	0.1000	0.0976	
2	2.743	2.743	0.000	6983	0.1000	0.0954	
		Average of Peak Amounts =				0.0980	
						RPD = 5.04	
9 PCB-1260							M
1	4.191	4.191	0.000	26362	0.1000	0.1025	M
1	4.408	4.408	0.000	22845	0.1000	0.1033	M
1	4.538	4.538	0.000	23056	0.1000	0.1038	M
1	4.918	4.918	0.000	30590	0.1000	0.1015	M
		Average of Peak Amounts =				0.1028	
2	4.055	4.055	0.000	14580	0.1000	0.0927	M
2	4.361	4.361	0.000	8431	0.1000	0.0908	M
2	4.497	4.497	0.000	20454	0.1000	0.0955	M
2	4.814	4.814	0.000	16661	0.1000	0.0910	
		Average of Peak Amounts =				0.0925	
						RPD = 10.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.235	6.235	0.000	8492	0.002500	0.002446	
2	5.687	5.687	0.000	6548	0.002500	0.002478	
						RPD = 1.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00002 Amount Added: 1.00 Units: mL

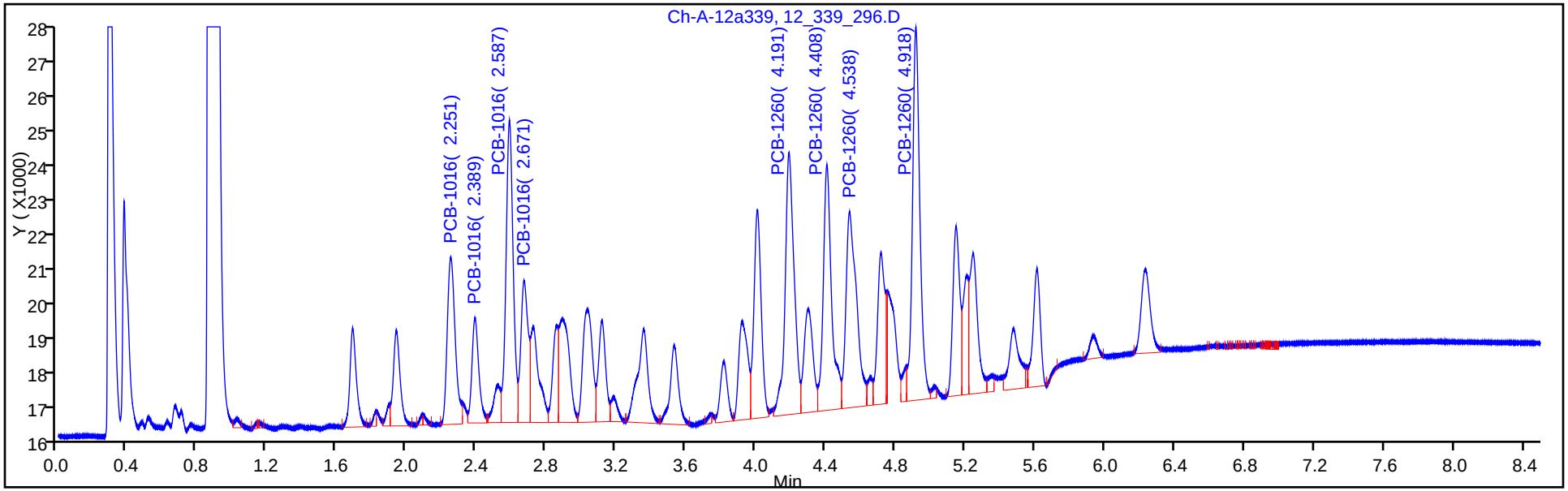
Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

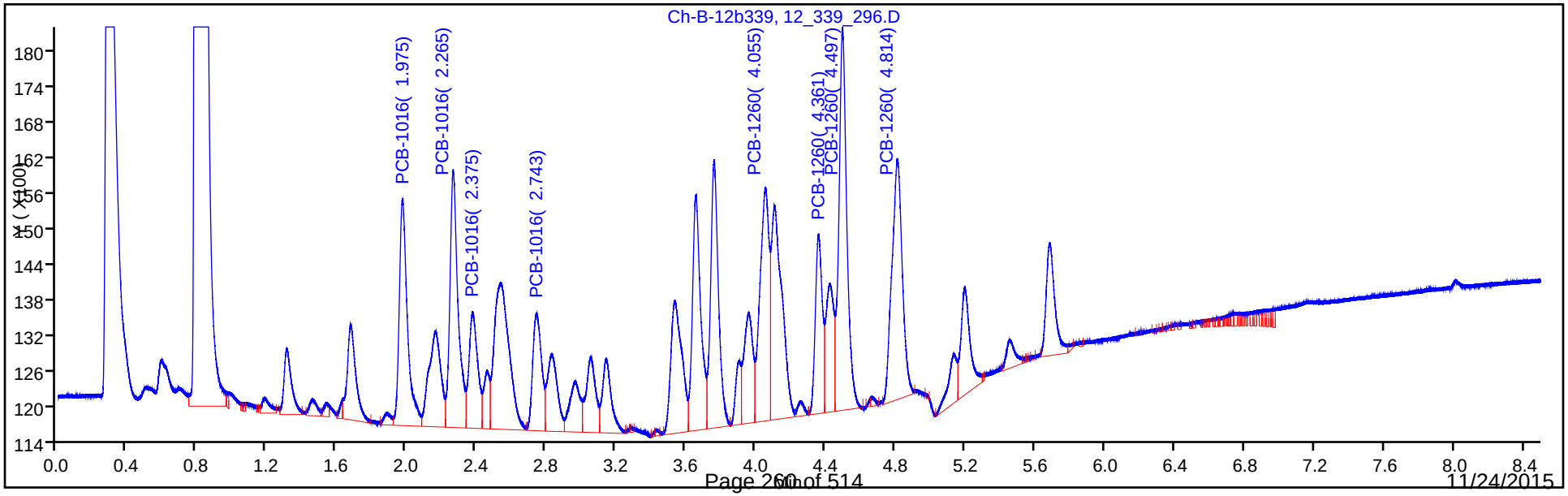
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date:	01-Aug-2015 14:13:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date: 01-Aug-2015 14:13:48 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

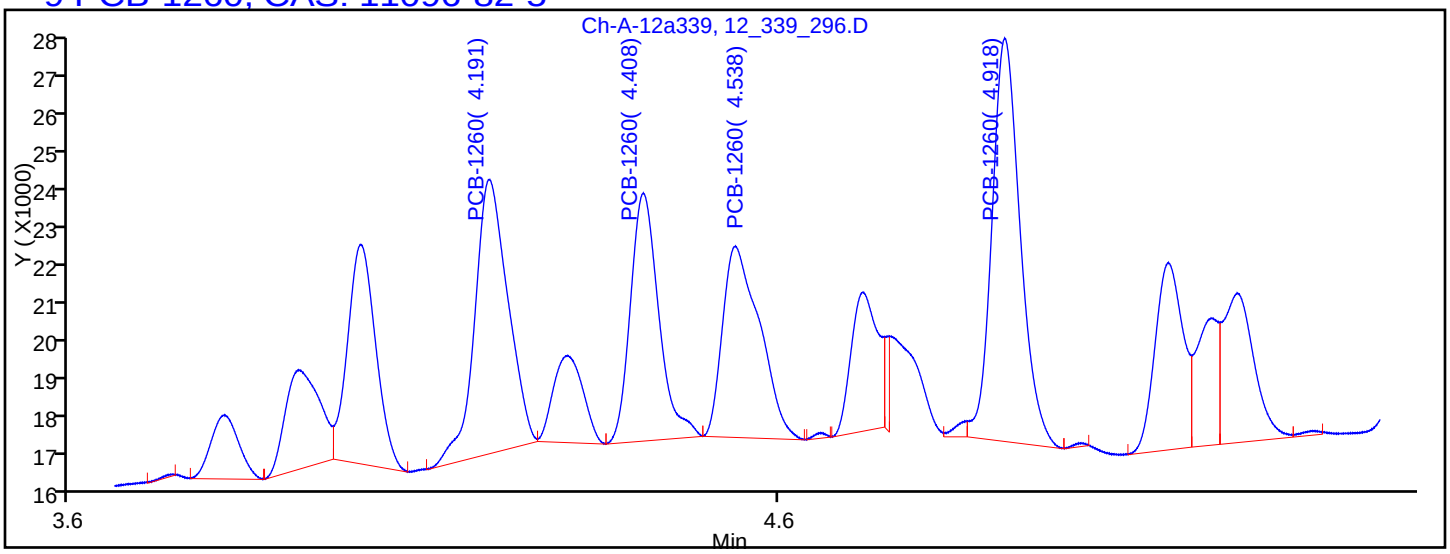
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

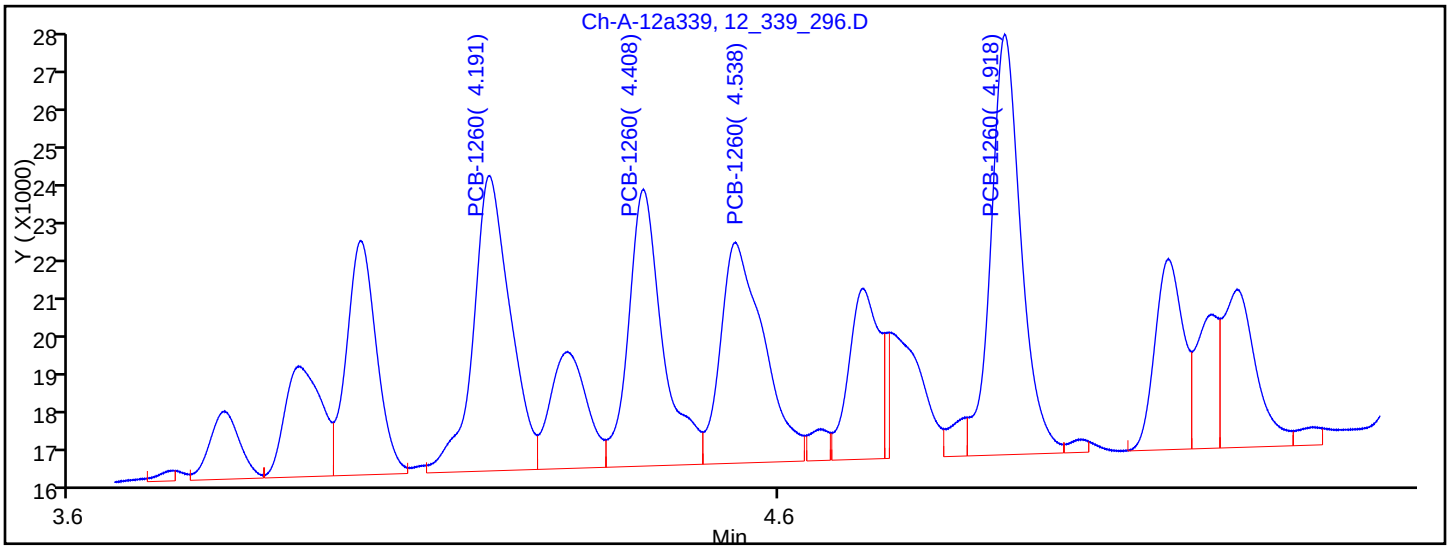
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.191	Response = 21926	M
RT = 4.408	Response = 16962	M
RT = 4.538	Response = 17092	M
RT = 4.918	Response = 27518	M



Manual Integration Results

RT = 4.191	Response = 26362	M
RT = 4.408	Response = 22845	M
RT = 4.538	Response = 23056	M
RT = 4.918	Response = 30590	M

Reviewer: eversd, 03-Aug-2015 11:07:50

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 14:28:46 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:58 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:08:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.689	1.687	0.002	3550	0.001250	0.001265	M
2	1.311	1.310	0.001	2002	0.001250	0.001332	
						RPD = 5.12	
6 PCB-1016							M
1	2.249	2.251	-0.002	7544	0.0500	0.0529	M
1	2.389	2.389	0.000	4350	0.0500	0.0523	M
1	2.586	2.587	-0.001	12565	0.0500	0.0526	M
1	2.671	2.671	0.000	6391	0.0500	0.0618	M
		Average of Peak Amounts =				0.0549	
2	1.973	1.975	-0.002	6171	0.0500	0.0517	M
2	2.263	2.265	-0.002	6996	0.0500	0.0466	M
2	2.375	2.375	0.000	3320	0.0500	0.0475	M
2	2.742	2.743	-0.001	3116	0.0500	0.0426	
		Average of Peak Amounts =				0.0471	
						RPD = 15.35	
9 PCB-1260							M
1	4.190	4.191	-0.001	13617	0.0500	0.0530	M
1	4.407	4.408	-0.001	11612	0.0500	0.0525	M
1	4.535	4.538	-0.003	11774	0.0500	0.0530	M
1	4.917	4.918	-0.001	15530	0.0500	0.0515	M
		Average of Peak Amounts =				0.0525	
2	4.056	4.055	0.001	7136	0.0500	0.0454	M
2	4.361	4.361	0.000	4553	0.0500	0.0491	M
2	4.498	4.497	0.001	9973	0.0500	0.0466	M
2	4.811	4.814	-0.003	8798	0.0500	0.0480	M
		Average of Peak Amounts =				0.0473	
						RPD = 10.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.235	-0.004	5154	0.001250	0.001485	
2	5.687	5.687	0.000	3432	0.001250	0.001299	
						RPD = 13.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00002 Amount Added: 1.00 Units: mL

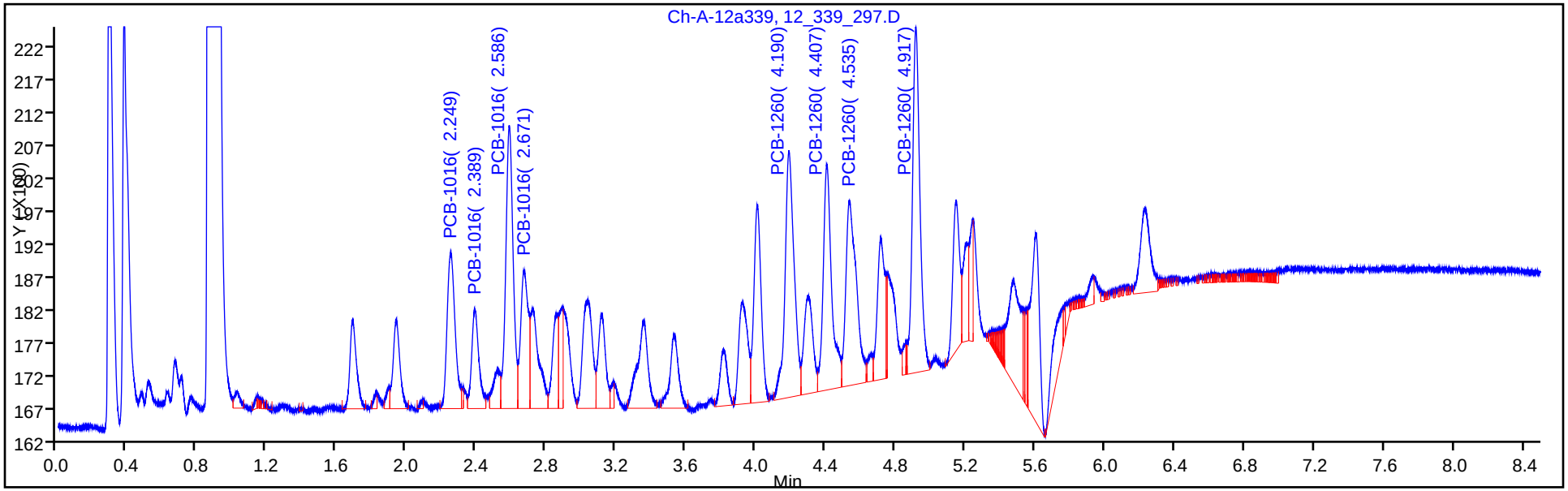
Report Date: 04-Aug-2015 09:07:59 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

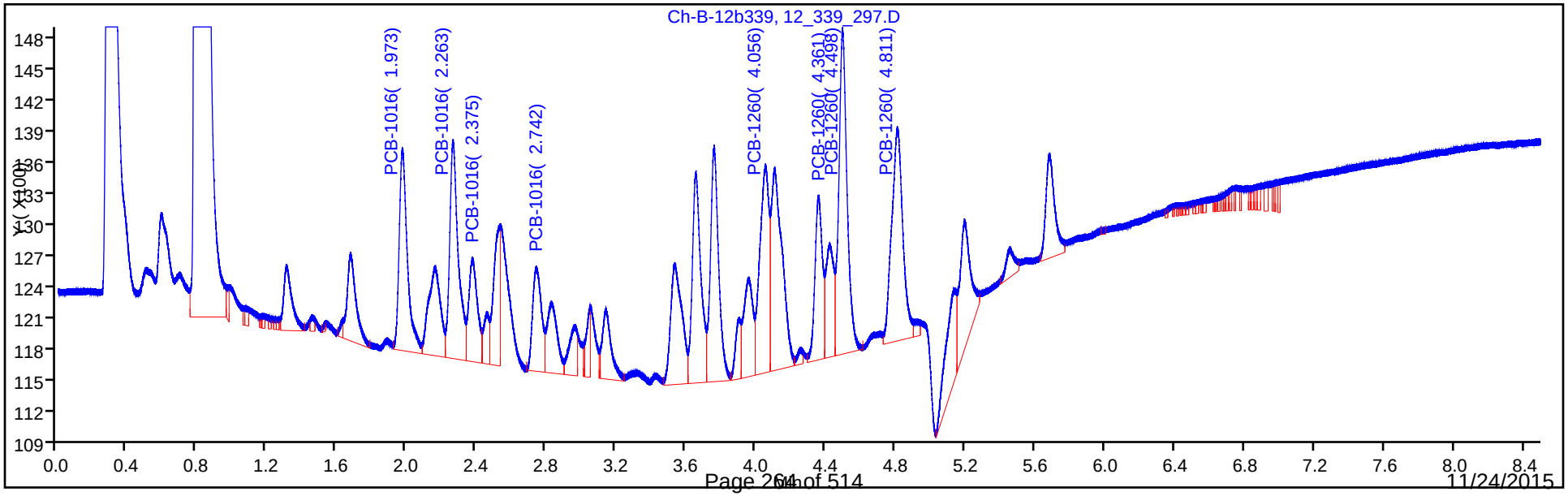
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date:	01-Aug-2015 14:28:46	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Manual Integration/User Assign Peak Report

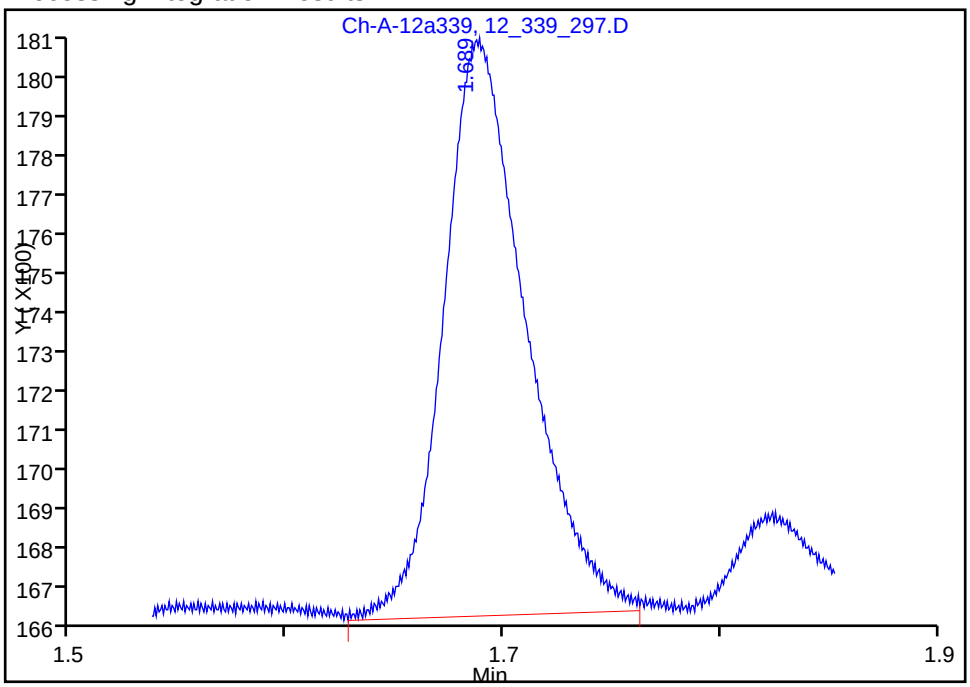
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D
Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

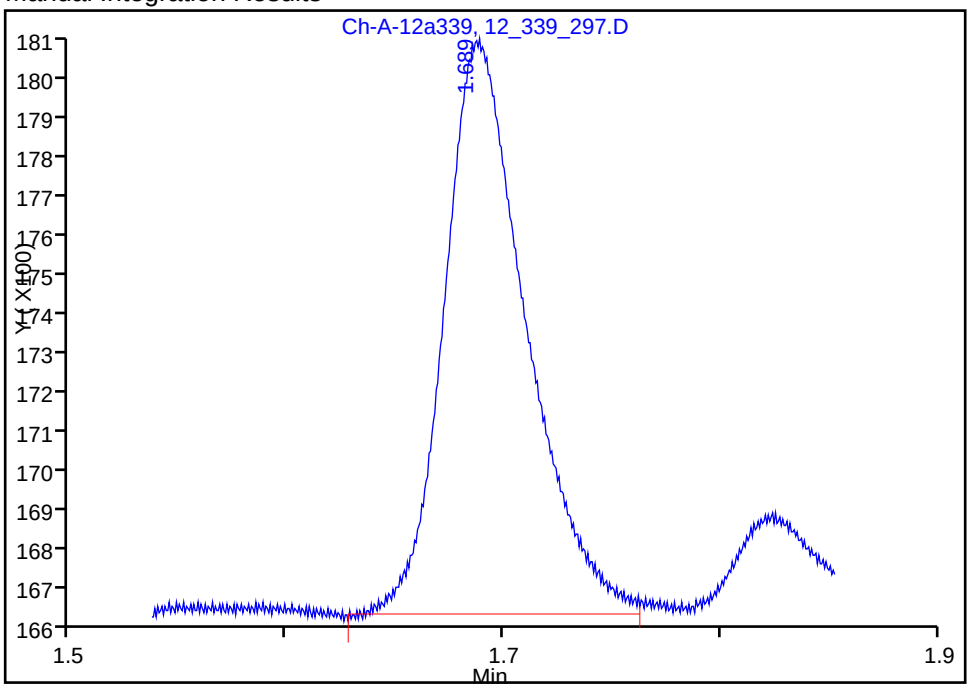
Processing Integration Results

RT: 1.69
Area: 3594
Amount: 0.001279
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 3550
Amount: 0.001265
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:08:29
Audit Action: Assigned New Baseline
Audit Reason: Peak Tail

Report Date: 04-Aug-2015 09:07:59 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

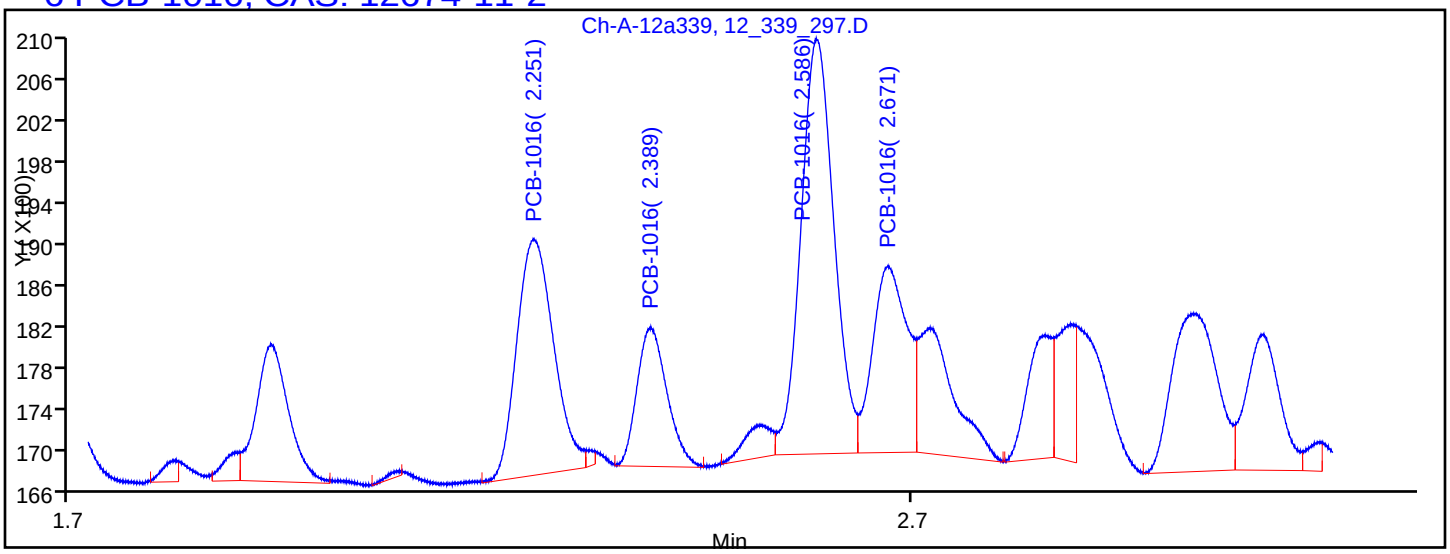
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

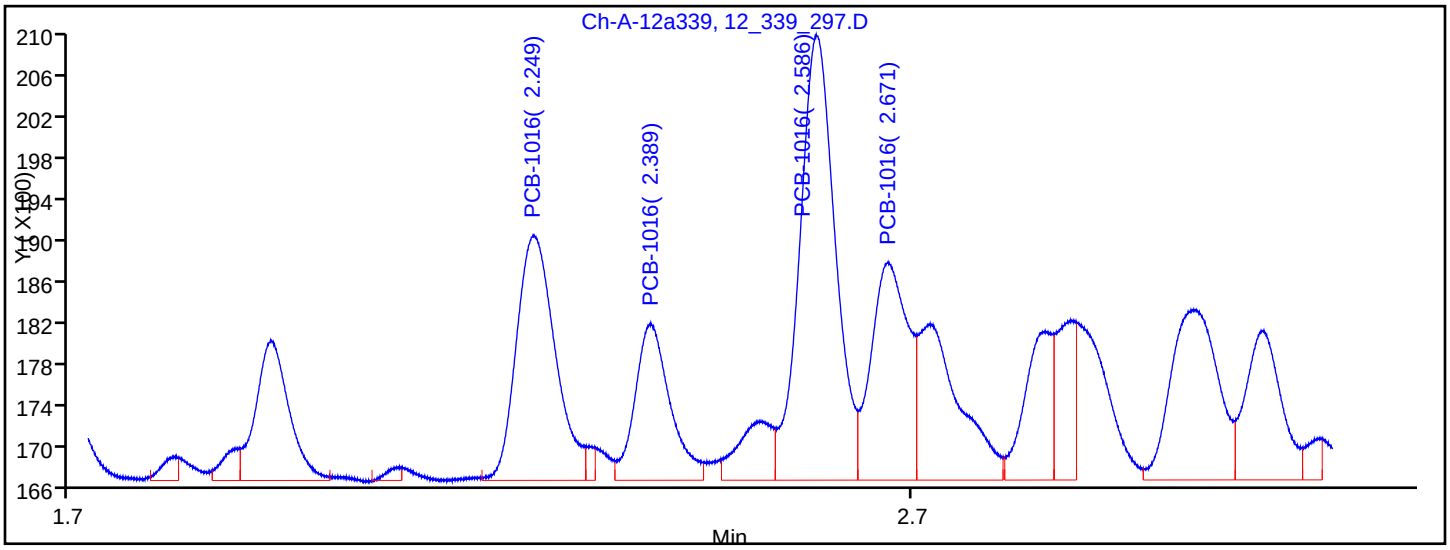
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.251	Response = 6919	M
RT = 2.389	Response = 3295	M
RT = 2.586	Response = 10875	M
RT = 2.671	Response = 5131	M



Manual Integration Results

RT = 2.249	Response = 7544	M
RT = 2.389	Response = 4350	M
RT = 2.586	Response = 12565	M
RT = 2.671	Response = 6391	M

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

Report Date: 04-Aug-2015 09:07:59 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

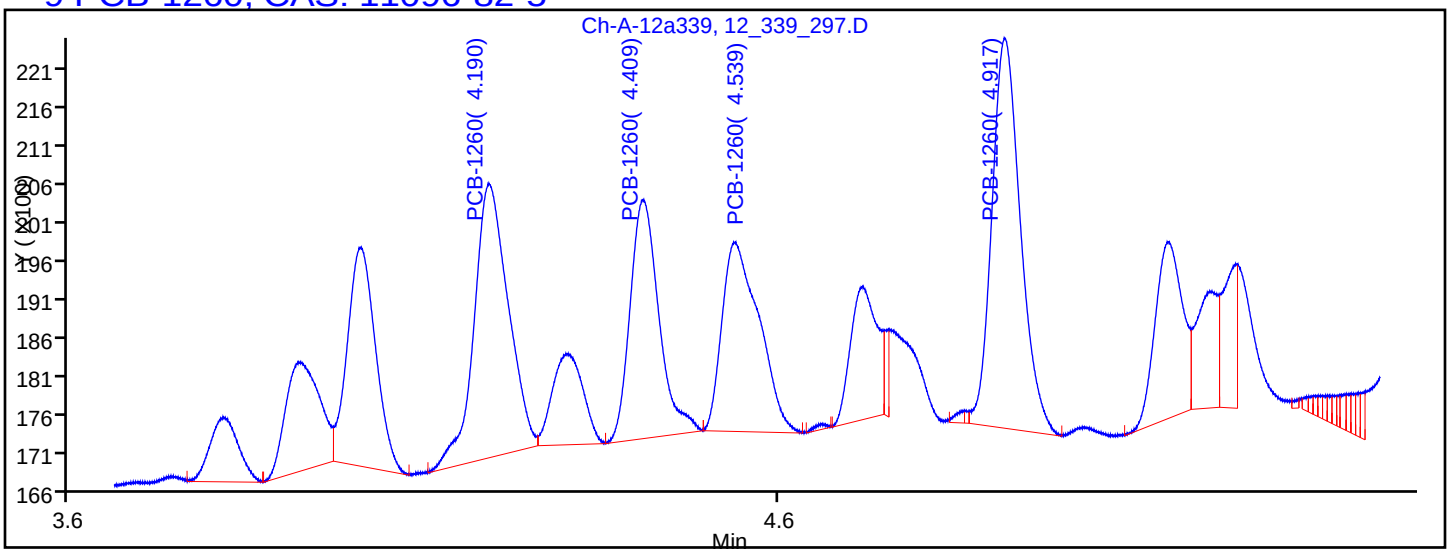
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

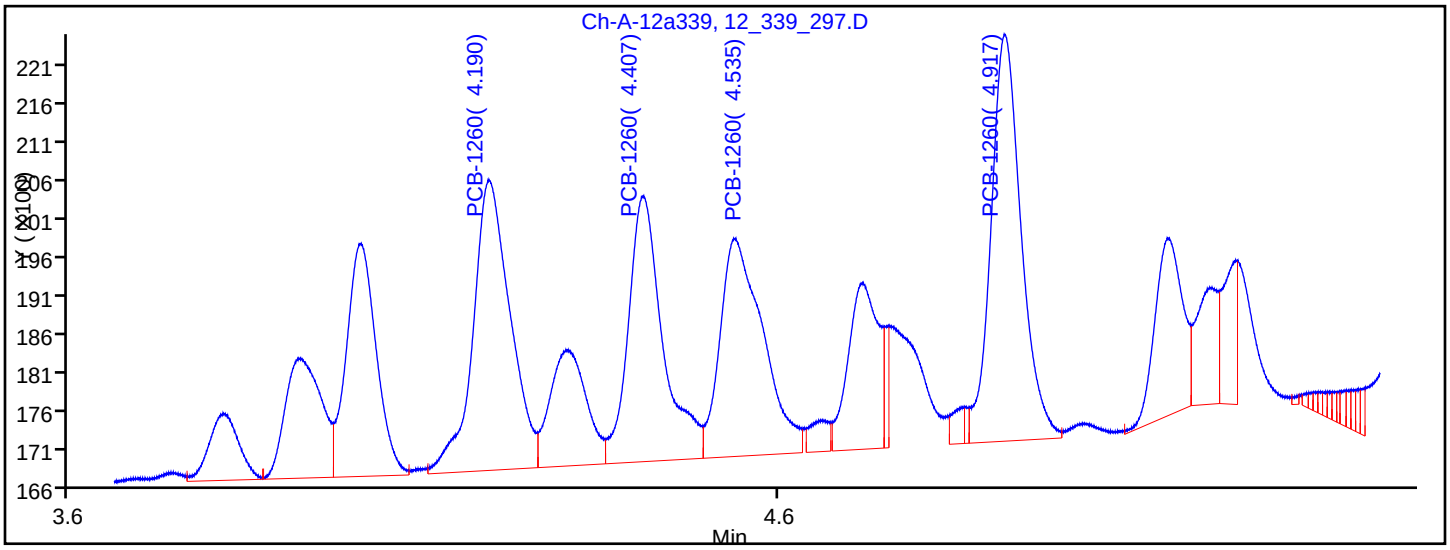
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.190	Response = 11800	M
RT = 4.409	Response = 8681	M
RT = 4.539	Response = 8834	M
RT = 4.917	Response = 14064	M



Manual Integration Results

RT = 4.190	Response = 13617	M
RT = 4.407	Response = 11612	M
RT = 4.535	Response = 11774	M
RT = 4.917	Response = 15530	M

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Aug-2015 14:43:45 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:03 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:09:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.692	1.687	0.005	1520	0.000500	0.000542	
2	1.314	1.310	0.004	884	0.000500	0.000588	M
						RPD = 8.20	
6 PCB-1016							M
1	2.251	2.251	0.000	3642	0.0200	0.0255	M
1	2.391	2.389	0.002	2300	0.0200	0.0277	M
1	2.589	2.587	0.002	5803	0.0200	0.0243	M
1	2.684	2.671	0.013	2217	0.0200	0.0214	M
		Average of Peak Amounts =				0.0247	
2	1.973	1.975	-0.002	2452	0.0200	0.0205	M
2	2.263	2.265	-0.002	2829	0.0200	0.0188	M
2	2.373	2.375	-0.002	1578	0.0200	0.0226	M
2	2.745	2.743	0.002	1315	0.0200	0.0180	
		Average of Peak Amounts =				0.0200	
						RPD = 21.28	
9 PCB-1260							M
1	4.193	4.191	0.002	5921	0.0200	0.0230	M
1	4.410	4.408	0.002	4217	0.0200	0.0191	M
1	4.539	4.538	0.001	4926	0.0200	0.0222	M
1	4.920	4.918	0.002	5970	0.0200	0.0198	M
		Average of Peak Amounts =				0.0210	
2	4.057	4.055	0.002	3150	0.0200	0.0200	M
2	4.359	4.361	-0.002	2248	0.0200	0.0242	M
2	4.499	4.497	0.002	4027	0.0200	0.0188	M
2	4.816	4.814	0.002	3278	0.0200	0.0179	
		Average of Peak Amounts =				0.0202	
						RPD = 3.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							M
1	6.233	6.235	-0.002	2145	0.000500	0.000618	M
2	5.686	5.687	-0.001	1728	0.000500	0.000654	
						RPD = 5.67	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00002 Amount Added: 1.00 Units: mL

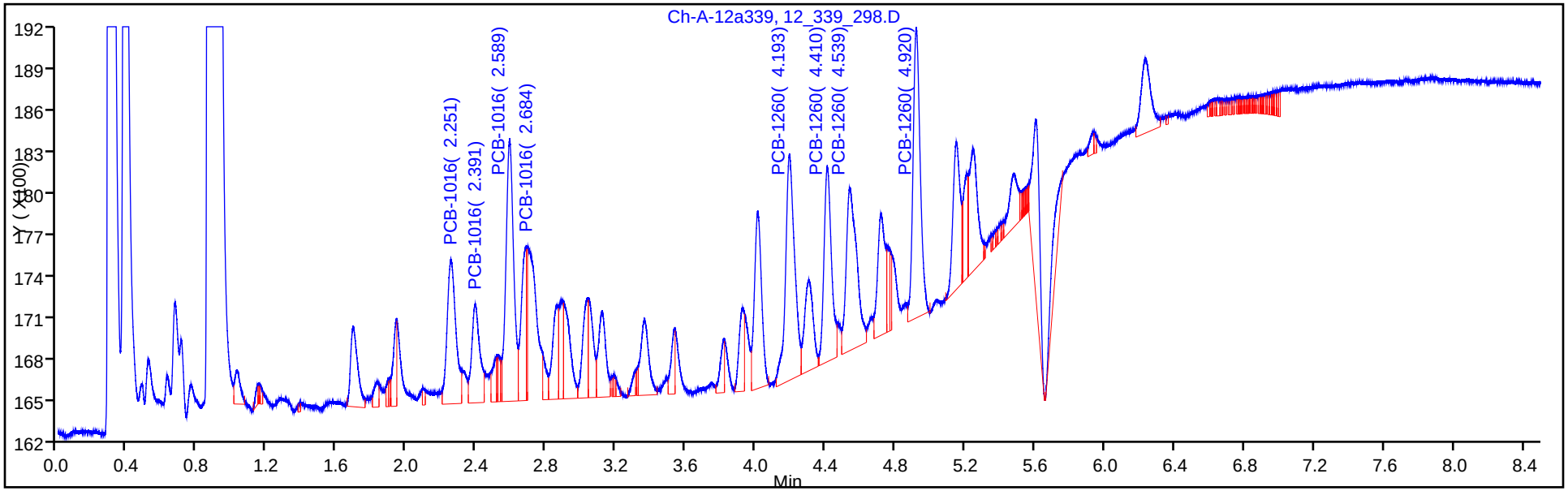
Report Date: 04-Aug-2015 09:08:04 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

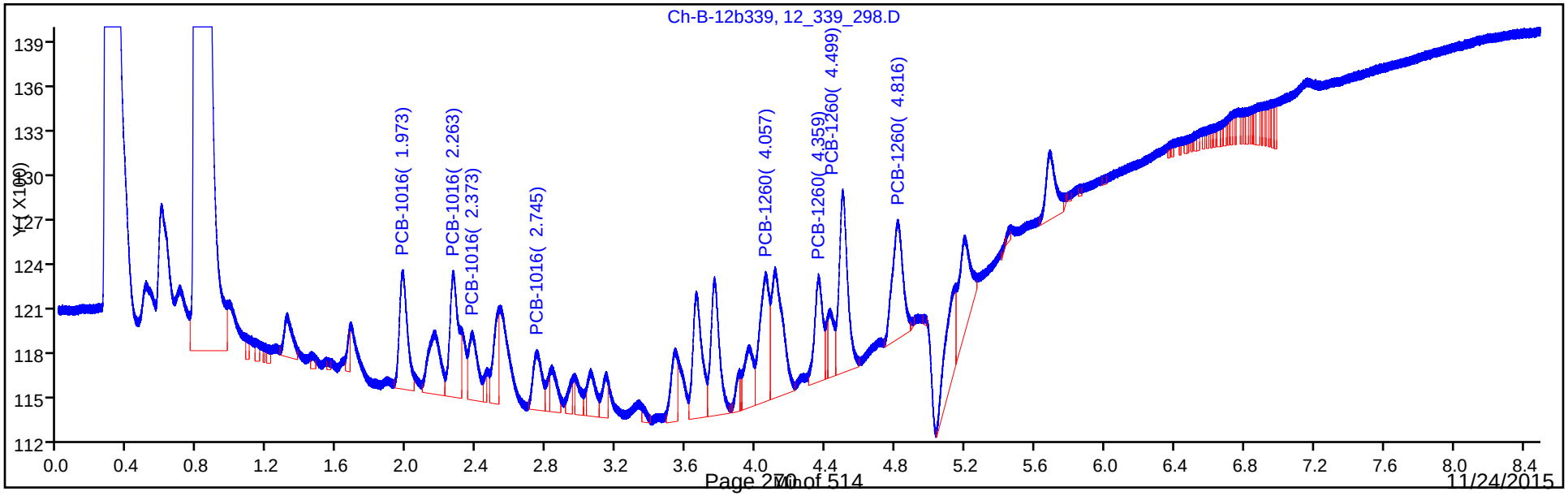
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date:	01-Aug-2015 14:43:45	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

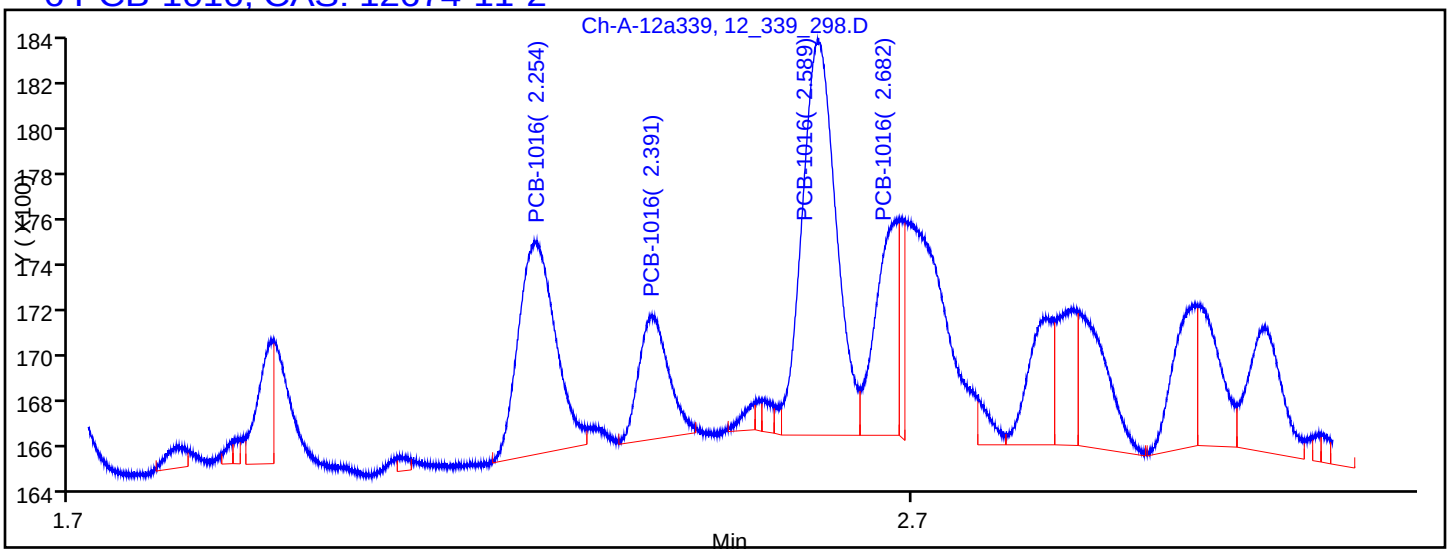
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

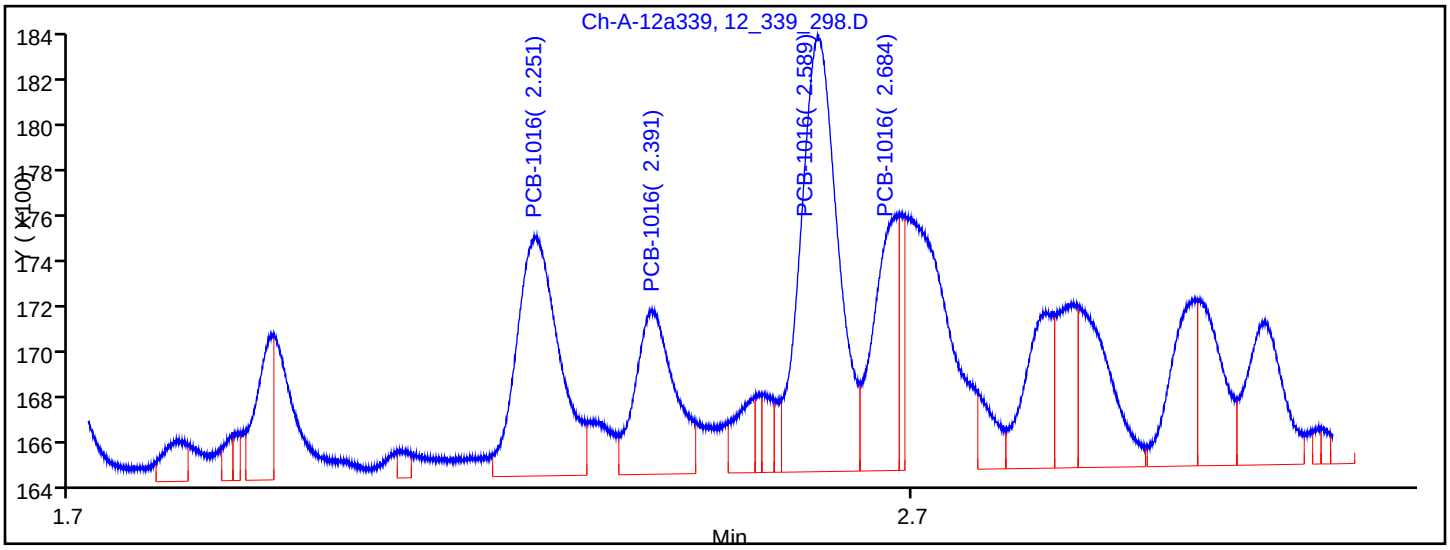
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.254	Response = 2815	M
RT = 2.391	Response = 1311	M
RT = 2.589	Response = 4772	M
RT = 2.682	Response = 1714	M



Manual Integration Results

RT = 2.251	Response = 3642	M
RT = 2.391	Response = 2300	M
RT = 2.589	Response = 5803	M
RT = 2.684	Response = 2217	M

Reviewer: eversd, 03-Aug-2015 11:09:44

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

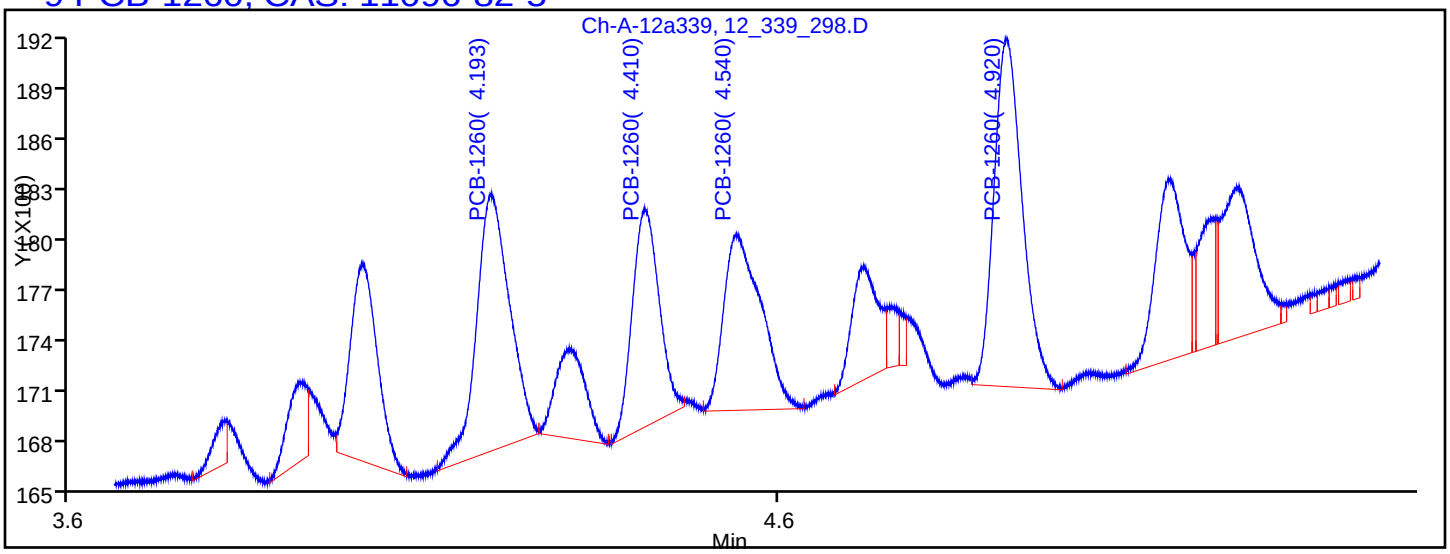
Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

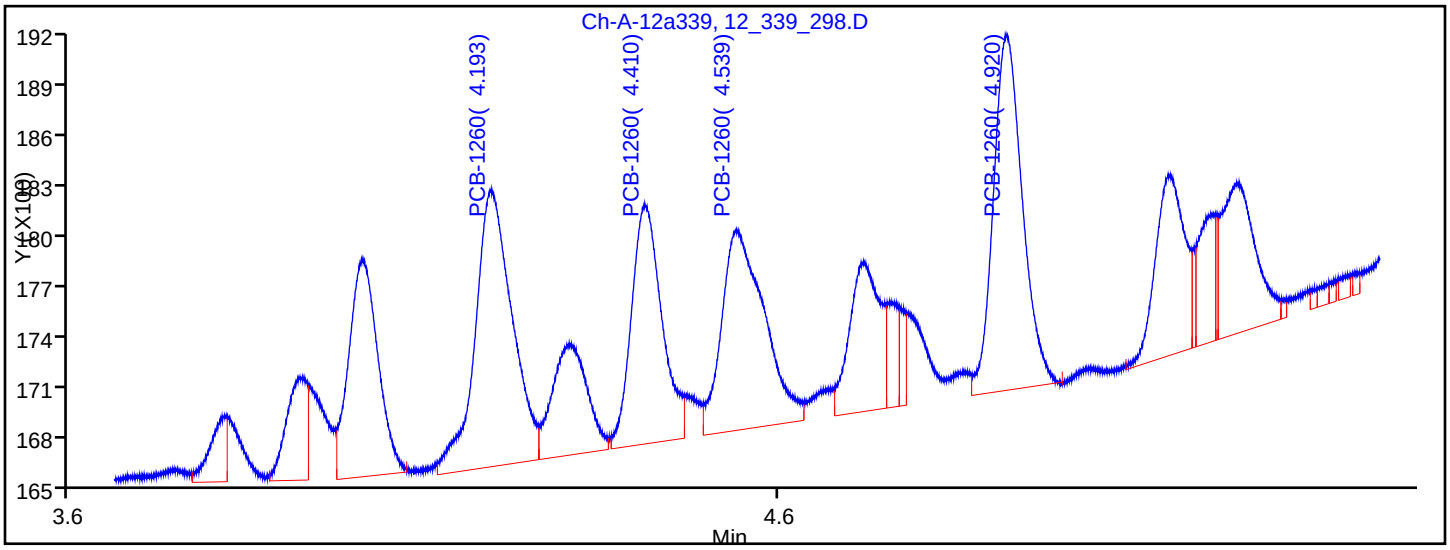
Injection Date:	01-Aug-2015 14:43:45	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-7A136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.193	Response = 4924	M
RT = 4.410	Response = 3389	M
RT = 4.540	Response = 3797	M
RT = 4.920	Response = 5694	M



Manual Integration Results

RT = 4.193	Response = 5921	M
RT = 4.410	Response = 4217	M
RT = 4.539	Response = 4926	M
RT = 4.920	Response = 5970	M

Reviewer: eversd, 03-Aug-2015 11:09:44

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

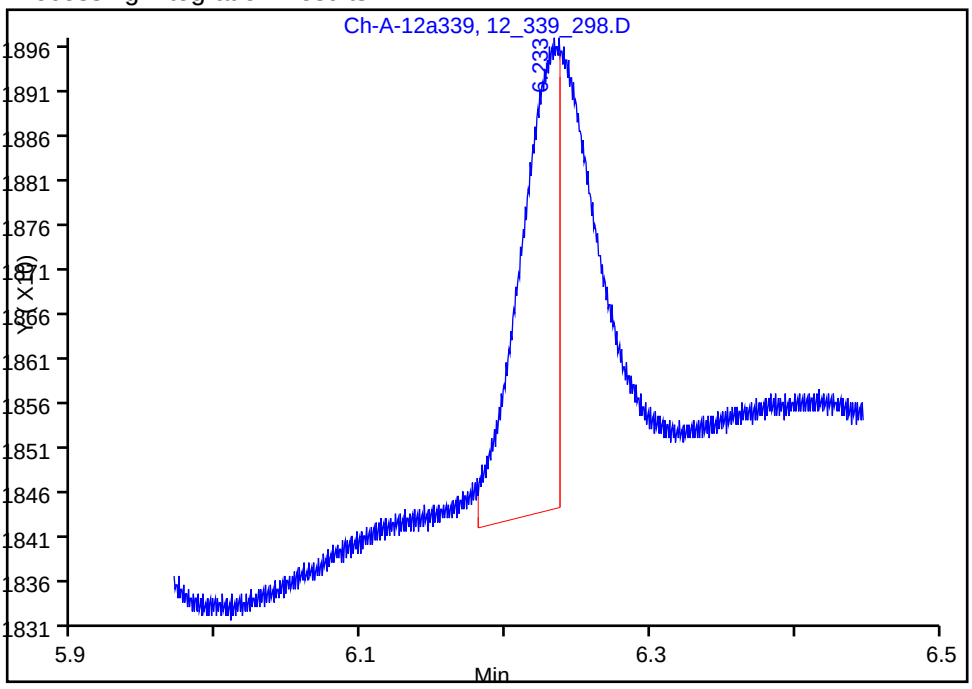
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

$ 12 DCB Decachlorobiphenyl, CAS: 2051-24-3

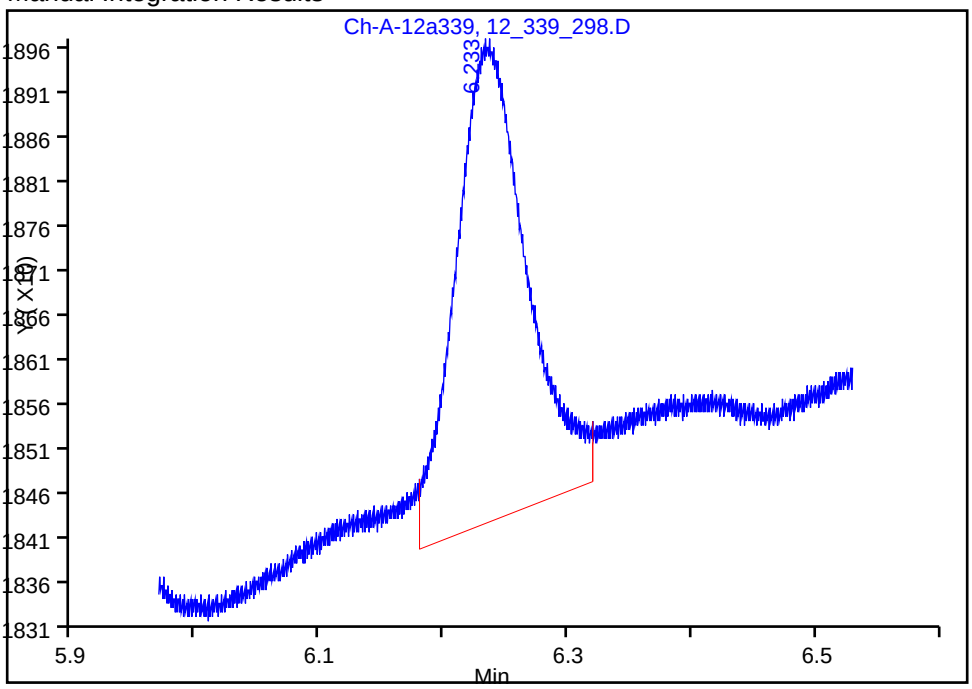
Processing Integration Results

RT: 6.23
Area: 968
Amount: 0.000309
Amount Units: ng/uL



Manual Integration Results

RT: 6.23
Area: 2145
Amount: 0.000618
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:09:44
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24328

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	1.973	1.973	1.975	1.975	1.976	1.971	1.967				1.945 - 2.005	1.973
PCB-1016 Peak 2	2.263	2.263	2.265	2.269	2.266	2.263	2.259				2.235 - 2.295	2.264
PCB-1016 Peak 3	2.373	2.375	2.375	2.379	2.379	2.375	2.372				2.345 - 2.405	2.375
PCB-1016 Peak 4	2.745	2.742	2.743	2.745	2.744	2.739	2.735				2.713 - 2.773	2.742
PCB-1260 Peak 1	4.057	4.056	4.055	4.053	4.054	4.053	4.056				4.025 - 4.085	4.055
PCB-1260 Peak 2	4.359	4.361	4.361	4.359	4.359	4.357	4.358				4.331 - 4.391	4.359
PCB-1260 Peak 3	4.499	4.498	4.497	4.496	4.495	4.493	4.495				4.467 - 4.527	4.496
PCB-1260 Peak 4	4.816	4.811	4.814	4.810	4.810	4.810	4.810				4.784 - 4.844	4.812
Tetrachloro-m-xylene	1.314	1.311	1.310	1.310	1.310	1.311	1.308				1.280 - 1.340	1.311
DCB Decachlorobiphenyl	5.686	5.687	5.687	5.683	5.682	5.683	5.683				5.657 - 5.717	5.684

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24328

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	122600 121630	123420 112700	125400 109034	121385	Ave		119452.643				5.1		20.0			
PCB-1016 Peak 2	141450 154010	139920 162627	141530 171653	140595	Ave		150254.929				8.5		20.0			
PCB-1016 Peak 3	78900 68388	66400 69030	68200 70981	67010	Ave		69844.1429				6.1		20.0			
PCB-1016 Peak 4	65750 77778	62320 80910	69830 84396	71600	Ave		73226.2143				11.1		20.0			
PCB-1260 Peak 1	157500 162350	142720 168339	145800 174767	148910	Ave		157197.929				7.6		20.0			
PCB-1260 Peak 2	112400 90172	91060 91614	84310 93605	86455	Ave		92802.2143				9.9		20.0			
PCB-1260 Peak 3	201350 221860	199460 226538	204540 230381	215050	Ave		214168.357				5.9		20.0			
PCB-1260 Peak 4	163900 189482	175960 197760	166610 205330	182795	Ave		183119.500				8.5		20.0			
Tetrachloro-m-xylene	1768000 1342960	1601600 1481360	1330400 1754600	1243400	Ave		1503188.57				14.0		20.0			
DCB Decachlorobiphenyl	3456000 2447760	2745600 2369880	2619200 2351680	2508200	Ave		2642617.14				14.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24328

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	2452 112700	6171 218067	12540	24277	60815	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	2829 162627	6996 343305	14153	28119	77005	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	1578 69030	3320 141962	6820	13402	34194	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	1315 80910	3116 168791	6983	14320	38889	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	3150 168339	7136 349533	14580	29782	81175	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	2248 91614	4553 187209	8431	17291	45086	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	4027 226538	9973 460761	20454	43010	110930	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	3278 197760	8798 410659	16661	36559	94741	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	884 37034	2002 87730	3326	6217	16787	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	1728 59247	3432 117584	6548	12541	30597	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Aug-2015 13:14:05 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:44 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:04:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.685	1.687	-0.002	138093	0.0500	0.0492	
2	1.308	1.310	-0.002	87730	0.0500	0.0584	
						RPD = 17.00	
6 PCB-1016							
1	2.245	2.251	-0.006	223333	2.00	1.56	a
1	2.385	2.389	-0.004	140758	2.00	1.69	
1	2.582	2.587	-0.005	422766	2.00	1.77	
1	2.665	2.671	-0.006	171288	2.00	1.66	
		Average of Peak Amounts =				1.67	
2	1.967	1.975	-0.008	218067	2.00	1.83	a
2	2.259	2.265	-0.006	343305	2.00	2.28	
2	2.372	2.375	-0.003	141962	2.00	2.03	
2	2.735	2.743	-0.008	168791	2.00	2.31	
		Average of Peak Amounts =				2.11	
						RPD = 23.30	
9 PCB-1260							
1	4.189	4.191	-0.002	449085	2.00	1.75	
1	4.407	4.408	-0.001	421870	2.00	1.91	
1	4.535	4.538	-0.003	397263	2.00	1.79	
1	4.916	4.918	-0.002	570794	2.00	1.89	a
		Average of Peak Amounts =				1.83	
2	4.056	4.055	0.001	349533	2.00	2.22	a
2	4.358	4.361	-0.003	187209	2.00	2.02	a
2	4.495	4.497	-0.002	460761	2.00	2.15	a
2	4.810	4.814	-0.004	410659	2.00	2.24	a
		Average of Peak Amounts =				2.16	
						RPD = 16.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	147117	0.0500	0.0424	
2	5.683	5.687	-0.004	117584	0.0500	0.0445	
						RPD = 4.88	

Reagents:

1660sur/is2.0_00002 Amount Added: 1.00 Units: mL

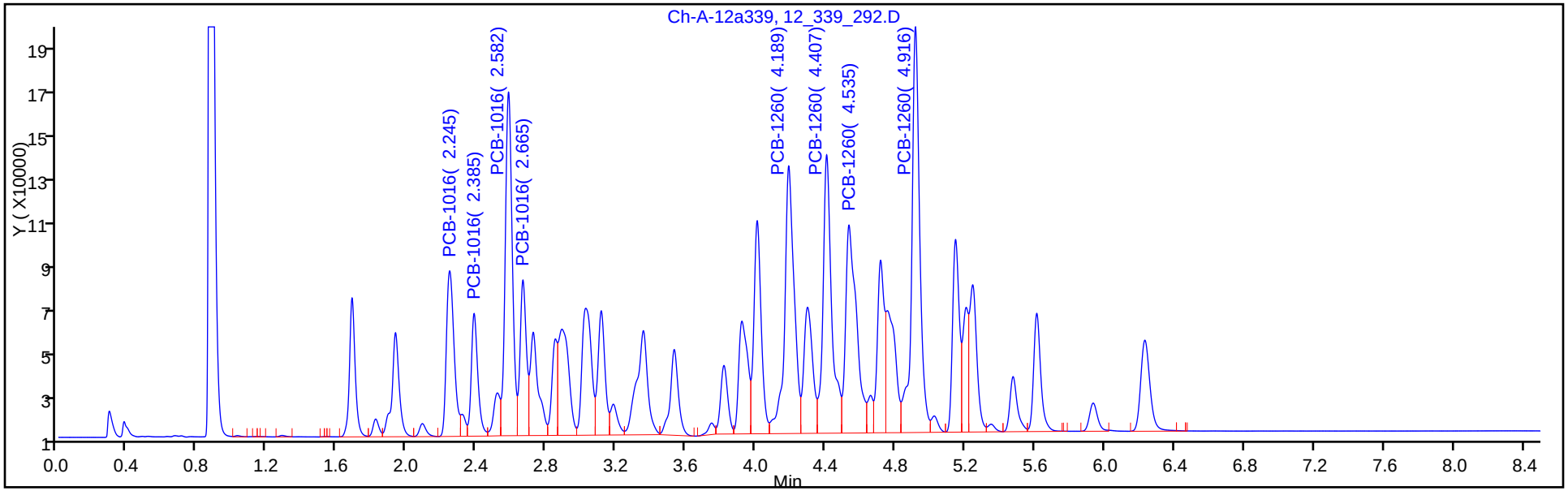
Report Date: 04-Aug-2015 09:07:45 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

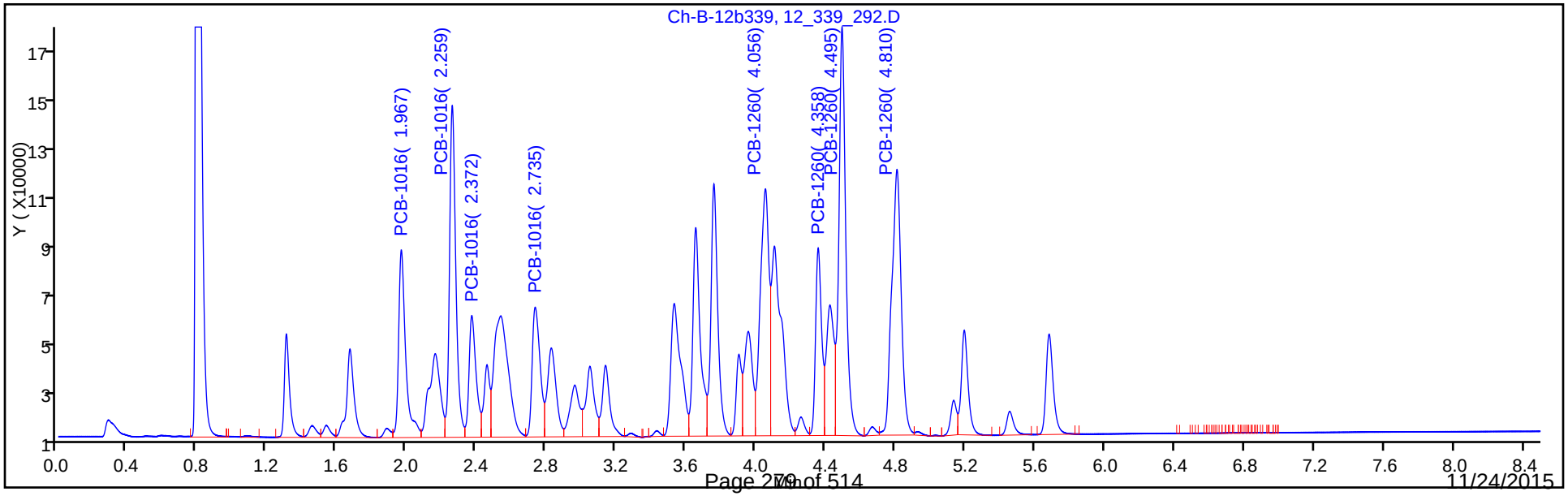
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D

Injection Date:	01-Aug-2015 13:14:05	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 01-Aug-2015 13:29:01 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:46 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:06:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.687	1.687	0.000	67507	0.0250	0.0241	M
2	1.311	1.310	0.001	37034	0.0250	0.0246	
						RPD = 2.36	
6 PCB-1016							M
1	2.249	2.251	-0.002	123446	1.00	0.8649	M
1	2.387	2.389	-0.002	73031	1.00	0.8783	M
1	2.585	2.587	-0.002	217812	1.00	0.9124	M
1	2.668	2.671	-0.003	89290	1.00	0.8636	M
		Average of Peak Amounts =				0.8798	
2	1.971	1.975	-0.004	112700	1.00	0.9435	
2	2.263	2.265	-0.002	162627	1.00	1.08	
2	2.375	2.375	0.000	69030	1.00	0.9883	
2	2.739	2.743	-0.004	80910	1.00	1.10	
		Average of Peak Amounts =				1.03	
						RPD = 15.71	
9 PCB-1260							M
1	4.187	4.191	-0.004	237940	1.00	0.9254	M
1	4.405	4.408	-0.003	217627	1.00	0.9841	M
1	4.533	4.538	-0.005	207002	1.00	0.9319	M
1	4.915	4.918	-0.003	294371	1.00	0.9765	M
		Average of Peak Amounts =				0.9545	
2	4.053	4.055	-0.002	168339	1.00	1.07	
2	4.357	4.361	-0.004	91614	1.00	0.9872	
2	4.493	4.497	-0.004	226538	1.00	1.06	
2	4.810	4.814	-0.004	197760	1.00	1.08	
		Average of Peak Amounts =				1.05	
						RPD = 9.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	75450	0.0250	0.0217	
2	5.683	5.687	-0.004	59247	0.0250	0.0224	
						RPD = 3.11	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00003 Amount Added: 1.00 Units: mL

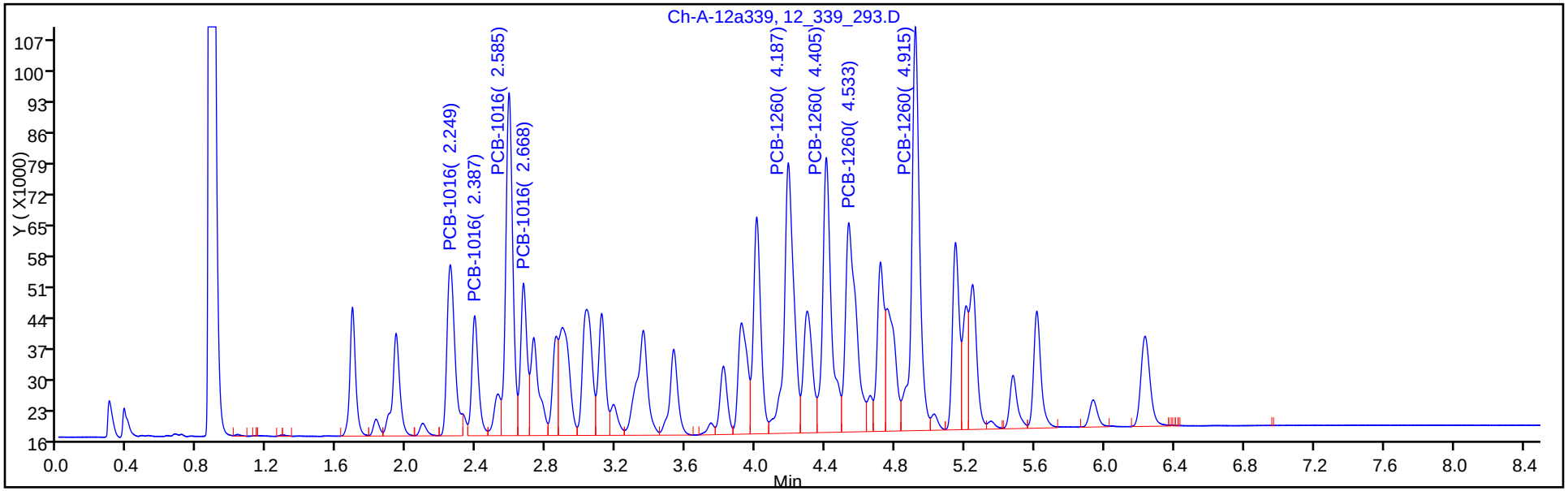
Report Date: 04-Aug-2015 09:07:48 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

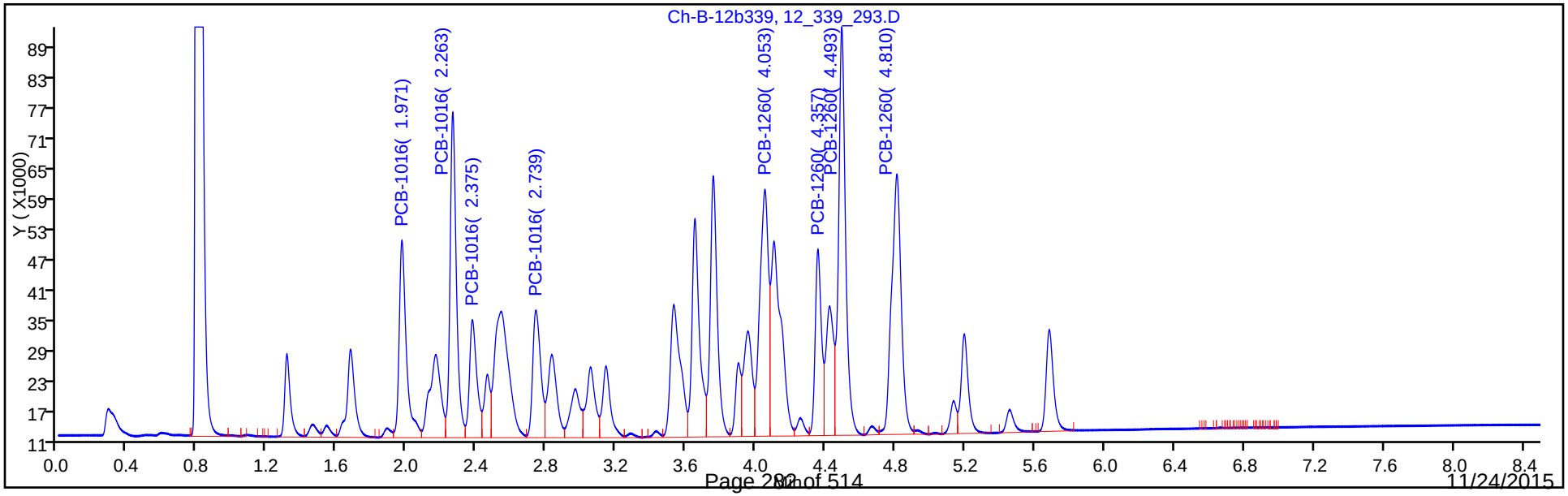
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date:	01-Aug-2015 13:29:01	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Aug-2015 13:43:59 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:49 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.689	1.689	0.000	34255	0.0125	0.0122	
2	1.310	1.310	0.000	16787	0.0125	0.0112	
						RPD = 8.91	
6 PCB-1016							
1	2.251	2.251	0.000	70222	0.5000	0.4920	
1	2.391	2.391	0.000	37915	0.5000	0.4560	
1	2.588	2.588	0.000	112946	0.5000	0.4731	
1	2.671	2.671	0.000	46641	0.5000	0.4511	
		Average of Peak Amounts =				0.4681	
2	1.976	1.976	0.000	60815	0.5000	0.5091	
2	2.266	2.266	0.000	77005	0.5000	0.5125	
2	2.379	2.379	0.000	34194	0.5000	0.4896	
2	2.744	2.744	0.000	38889	0.5000	0.5311	
		Average of Peak Amounts =				0.5106	
						RPD = 8.69	
9 PCB-1260							
1	4.189	4.189	0.000	120829	0.5000	0.4699	
1	4.407	4.407	0.000	109256	0.5000	0.4941	
1	4.535	4.535	0.000	105884	0.5000	0.4767	
1	4.916	4.916	0.000	150626	0.5000	0.4997	
		Average of Peak Amounts =				0.4851	
2	4.054	4.054	0.000	81175	0.5000	0.5164	
2	4.359	4.359	0.000	45086	0.5000	0.4858	
2	4.495	4.495	0.000	110930	0.5000	0.5180	
2	4.810	4.810	0.000	94741	0.5000	0.5174	
		Average of Peak Amounts =				0.5094	
						RPD = 4.89	
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.231	0.000	39770	0.0125	0.0115	
2	5.682	5.682	0.000	30597	0.0125	0.0116	
						RPD = 1.06	

Reagents:

1660sur/is0.5_00002 Amount Added: 1.00 Units: mL

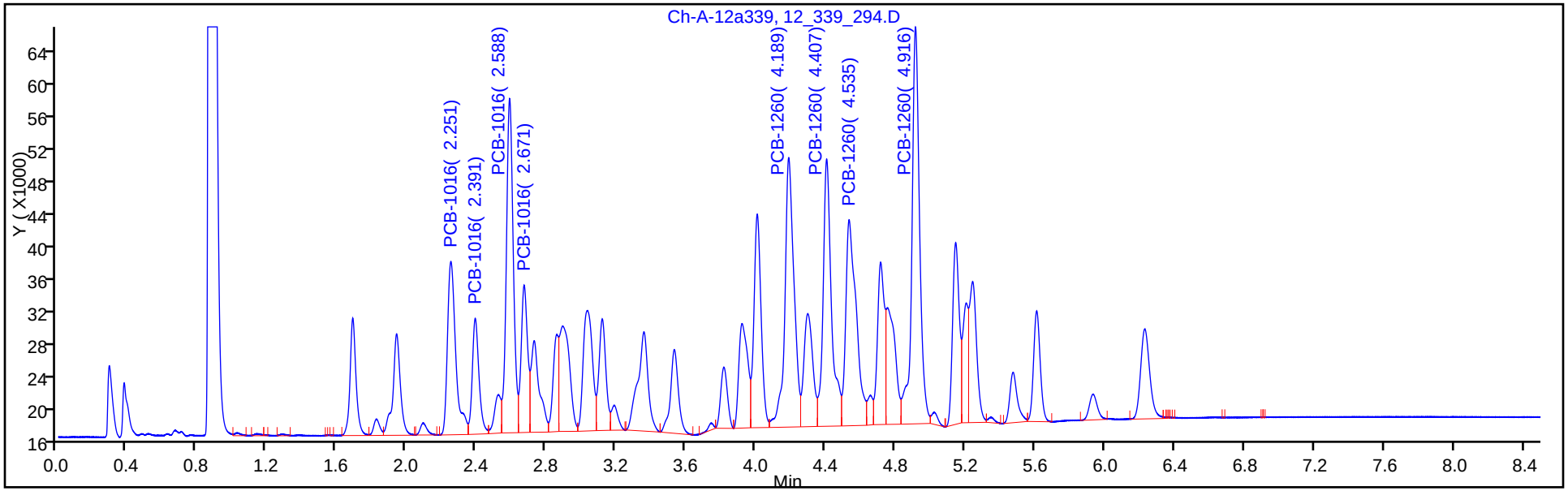
Report Date: 04-Aug-2015 09:07:50 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

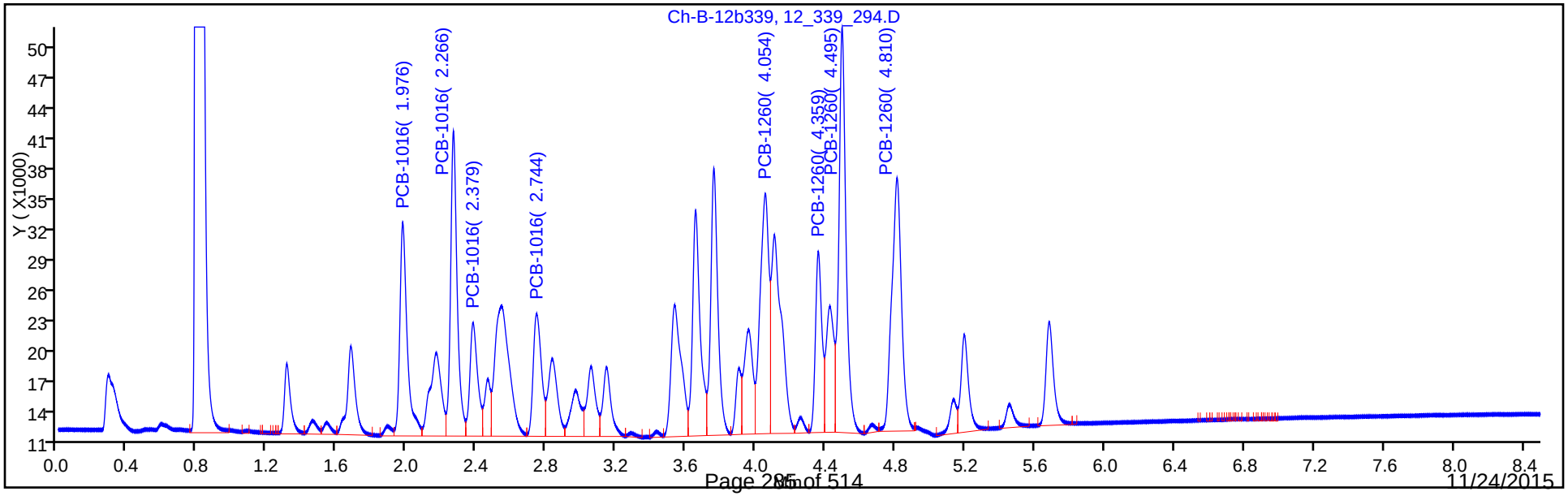
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D

Injection Date:	01-Aug-2015 13:43:59	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Aug-2015 13:58:50 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:52 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.688	1.689	-0.001	13547	0.005000	0.004829	
2	1.310	1.310	0.000	6217	0.005000	0.004136	
						RPD = 15.45	
6 PCB-1016							M
1	2.255	2.251	0.004	28555	0.2000	0.2001	M
1	2.391	2.391	0.000	16027	0.2000	0.1927	M
1	2.589	2.588	0.001	47074	0.2000	0.1972	M
1	2.671	2.671	0.000	20261	0.2000	0.1960	M
		Average of Peak Amounts =				0.1965	
2	1.975	1.976	-0.001	24277	0.2000	0.2032	M
2	2.269	2.266	0.003	28119	0.2000	0.1871	M
2	2.379	2.379	0.000	13402	0.2000	0.1919	M
2	2.745	2.744	0.001	14320	0.2000	0.1956	M
		Average of Peak Amounts =				0.1945	
						RPD = 1.04	
9 PCB-1260							M
1	4.189	4.189	0.000	52752	0.2000	0.2052	M
1	4.407	4.407	0.000	45863	0.2000	0.2074	M
1	4.535	4.535	0.000	45040	0.2000	0.2028	M
1	4.916	4.916	0.000	62812	0.2000	0.2084	M
		Average of Peak Amounts =				0.2059	
2	4.053	4.054	-0.001	29782	0.2000	0.1895	M
2	4.359	4.359	0.000	17291	0.2000	0.1863	M
2	4.496	4.495	0.001	43010	0.2000	0.2008	M
2	4.810	4.810	0.000	36559	0.2000	0.1996	M
		Average of Peak Amounts =				0.1941	
						RPD = 5.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.231	0.001	16748	0.005000	0.004824	
2	5.683	5.682	0.001	12541	0.005000	0.004746	
						RPD = 1.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00002 Amount Added: 1.00 Units: mL

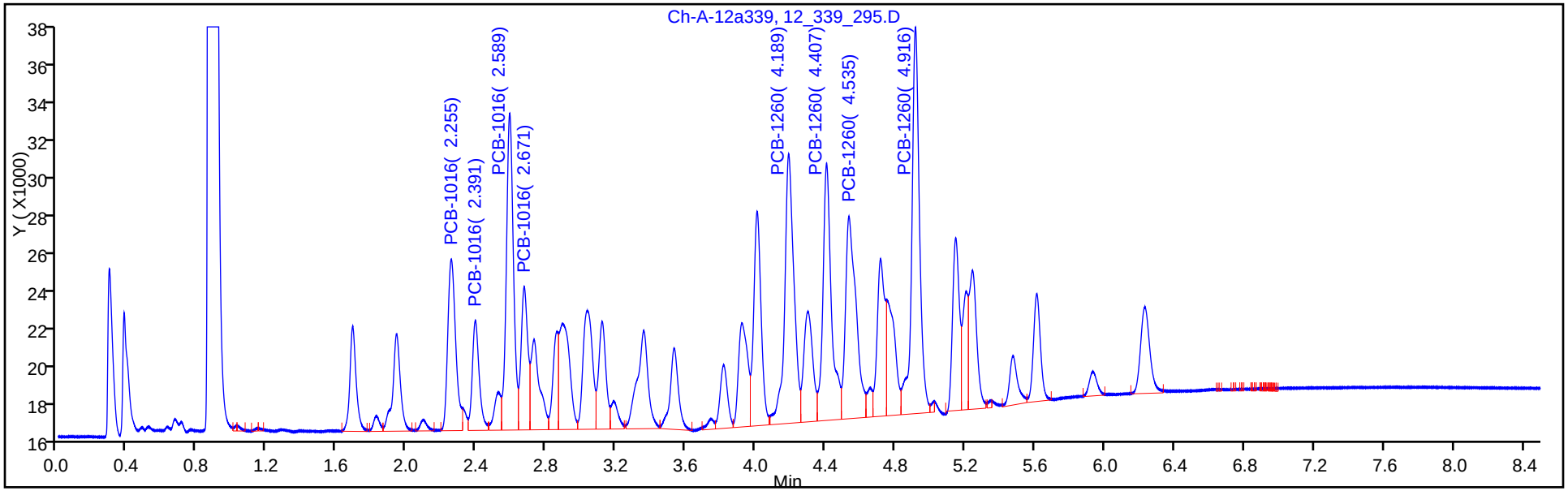
Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

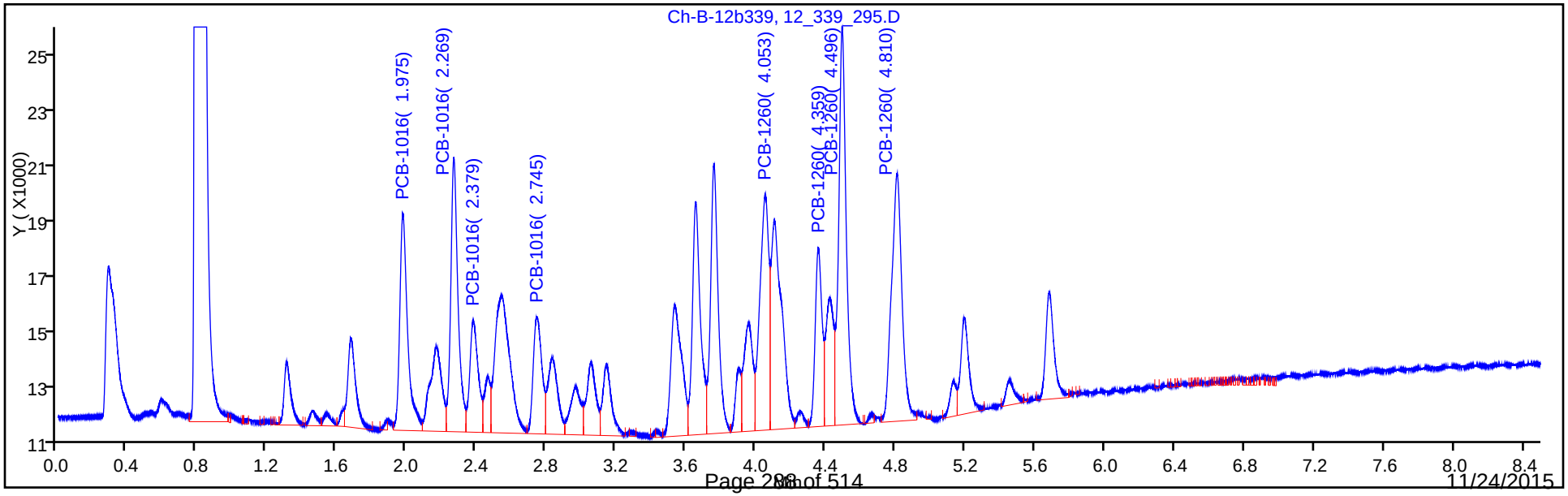
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date:	01-Aug-2015 13:58:50	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



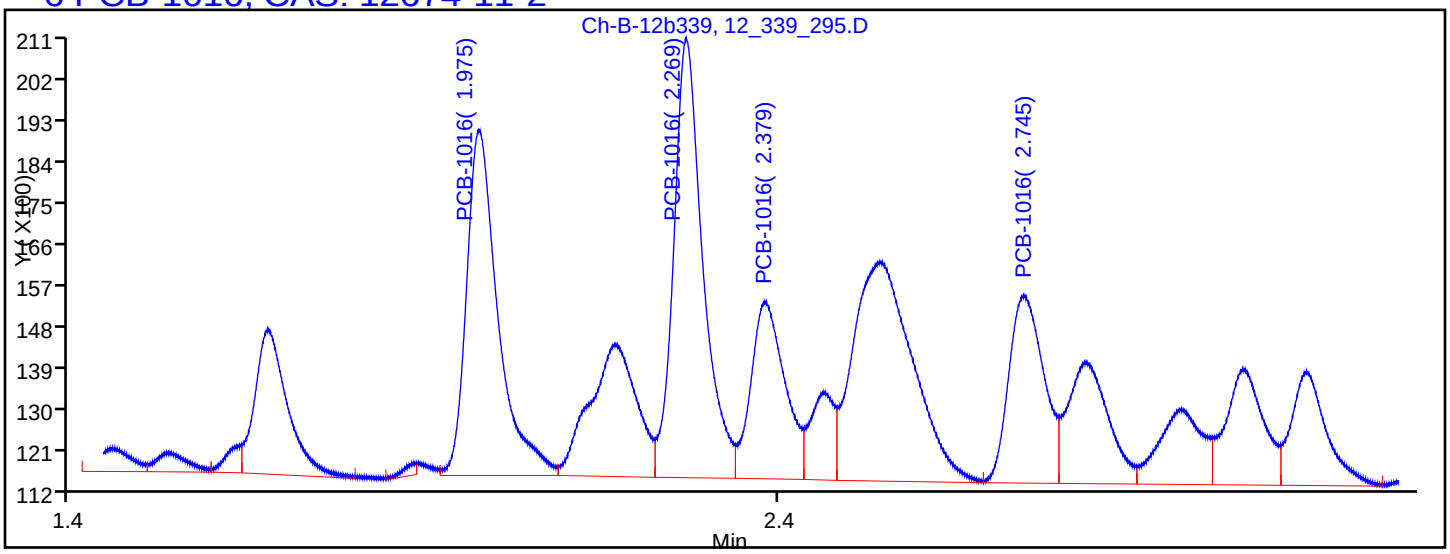
Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

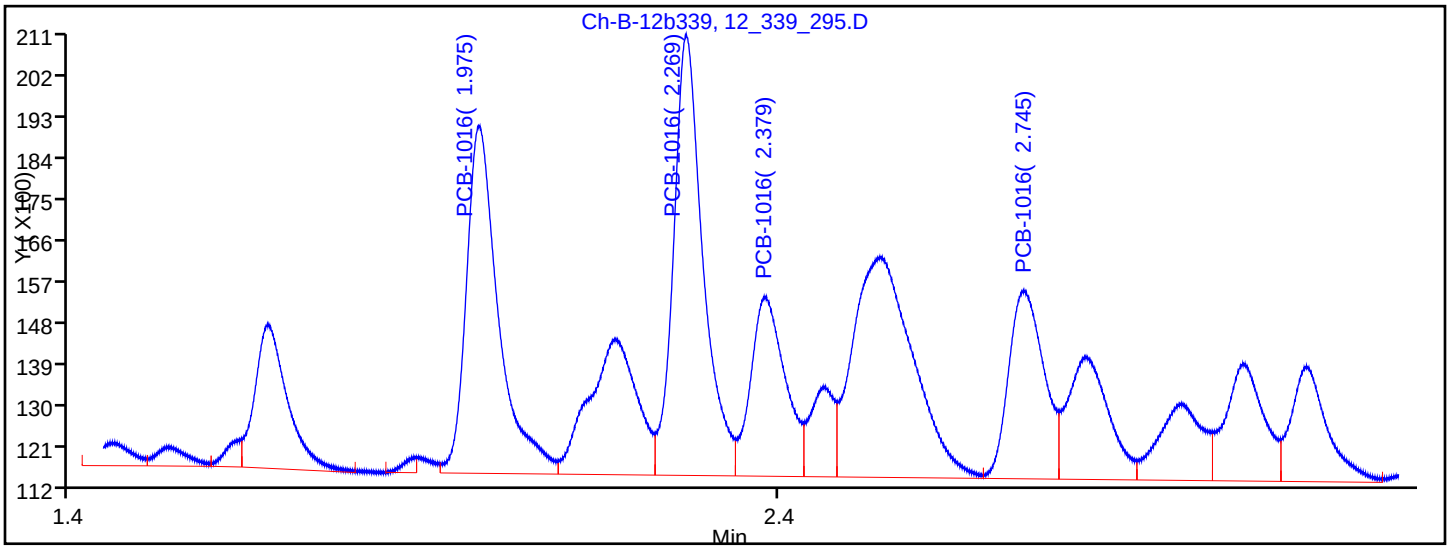
Injection Date:	01-Aug-2015 13:58:50	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.975	Response = 23417	M
RT = 2.269	Response = 27589	M
RT = 2.379	Response = 12988	M
RT = 2.745	Response = 14096	M



Manual Integration Results

RT = 1.975	Response = 24277	M
RT = 2.269	Response = 28119	M
RT = 2.379	Response = 13402	M
RT = 2.745	Response = 14320	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date: 01-Aug-2015 13:58:50 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

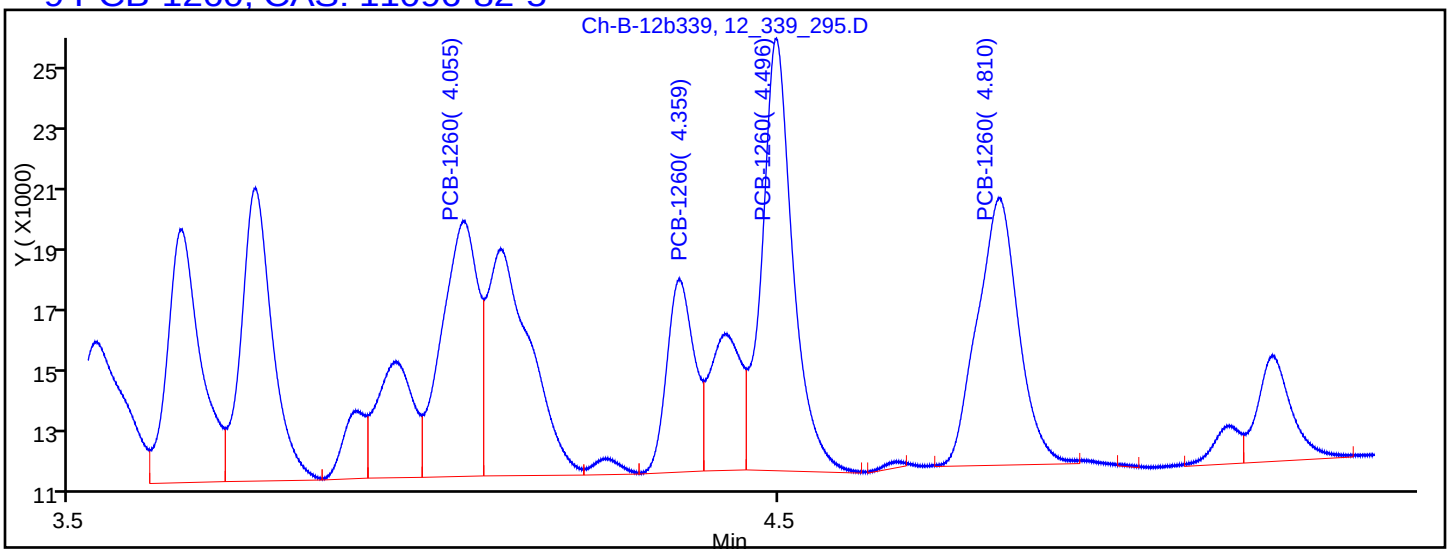
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

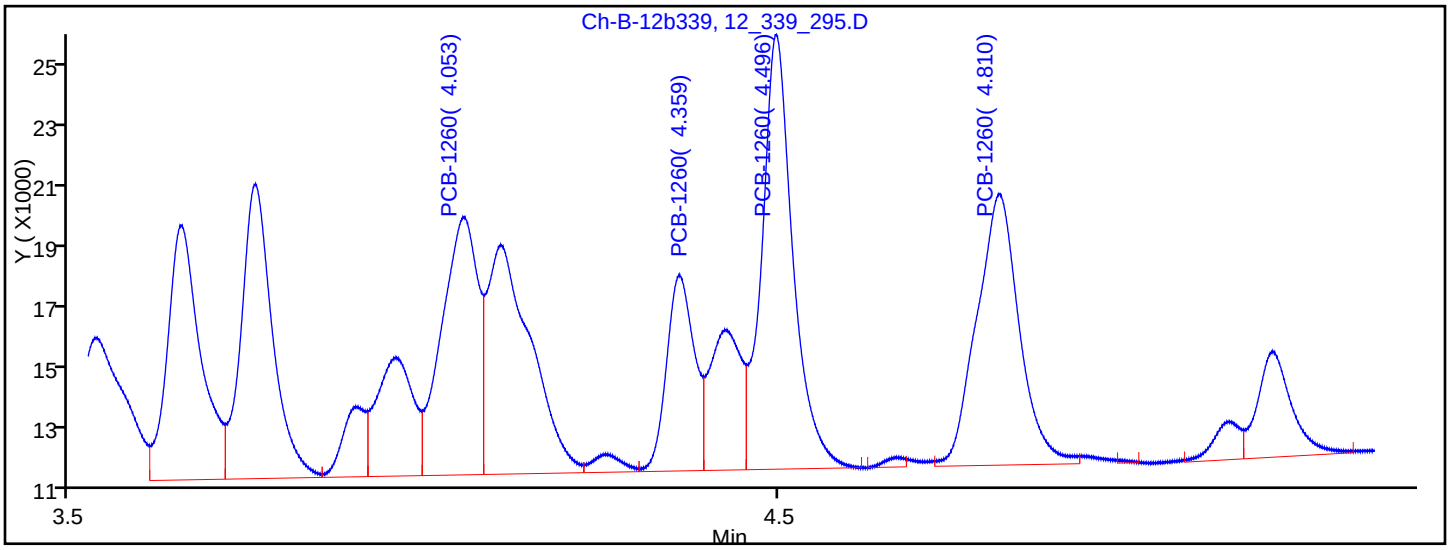
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.055	Response = 29335	M
RT = 4.359	Response = 16795	M
RT = 4.496	Response = 42561	M
RT = 4.810	Response = 34902	M



Manual Integration Results

RT = 4.053	Response = 29782	M
RT = 4.359	Response = 17291	M
RT = 4.496	Response = 43010	M
RT = 4.810	Response = 36559	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-Aug-2015 14:13:48 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:55 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.687	1.687	0.000	7118	0.002500	0.002537	
2	1.310	1.310	0.000	3326	0.002500	0.002213	
						RPD = 13.66	
6 PCB-1016							
1	2.251	2.251	0.000	14782	0.1000	0.1036	
1	2.389	2.389	0.000	8067	0.1000	0.0970	
1	2.587	2.587	0.000	23909	0.1000	0.1002	
1	2.671	2.671	0.000	11552	0.1000	0.1117	
		Average of Peak Amounts =				0.1031	
2	1.975	1.975	0.000	12540	0.1000	0.1050	
2	2.265	2.265	0.000	14153	0.1000	0.0942	
2	2.375	2.375	0.000	6820	0.1000	0.0976	
2	2.743	2.743	0.000	6983	0.1000	0.0954	
		Average of Peak Amounts =				0.0980	
						RPD = 5.04	
9 PCB-1260							M
1	4.191	4.191	0.000	26362	0.1000	0.1025	M
1	4.408	4.408	0.000	22845	0.1000	0.1033	M
1	4.538	4.538	0.000	23056	0.1000	0.1038	M
1	4.918	4.918	0.000	30590	0.1000	0.1015	M
		Average of Peak Amounts =				0.1028	
2	4.055	4.055	0.000	14580	0.1000	0.0927	M
2	4.361	4.361	0.000	8431	0.1000	0.0908	M
2	4.497	4.497	0.000	20454	0.1000	0.0955	M
2	4.814	4.814	0.000	16661	0.1000	0.0910	
		Average of Peak Amounts =				0.0925	
						RPD = 10.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.235	6.235	0.000	8492	0.002500	0.002446	
2	5.687	5.687	0.000	6548	0.002500	0.002478	
						RPD = 1.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00002 Amount Added: 1.00 Units: mL

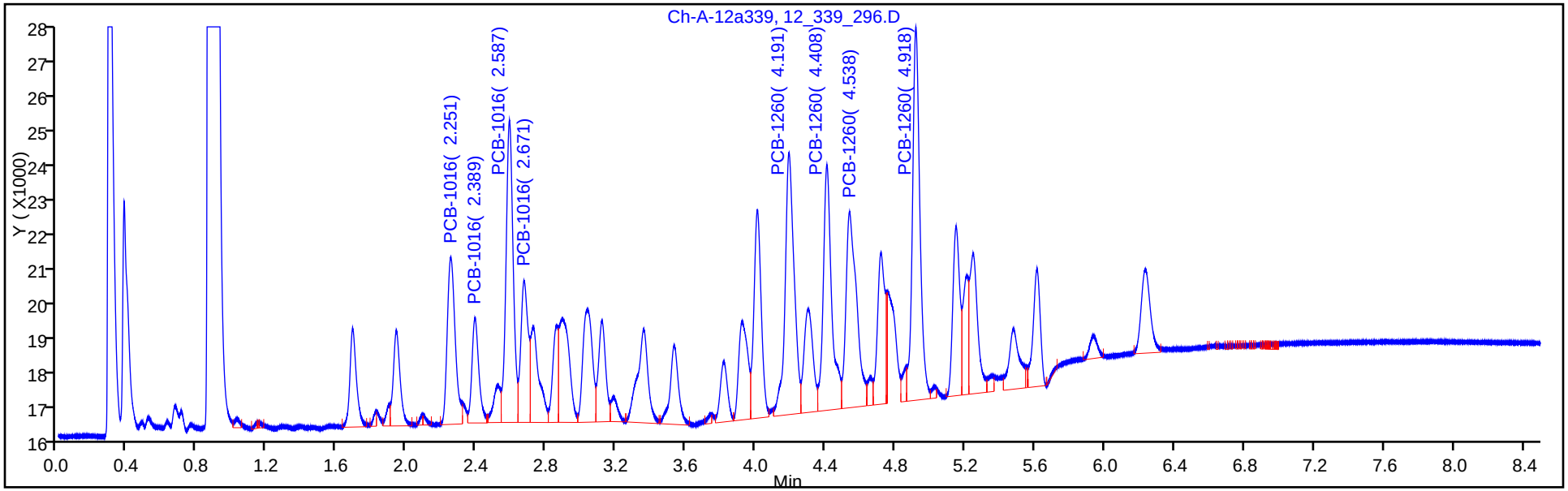
Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

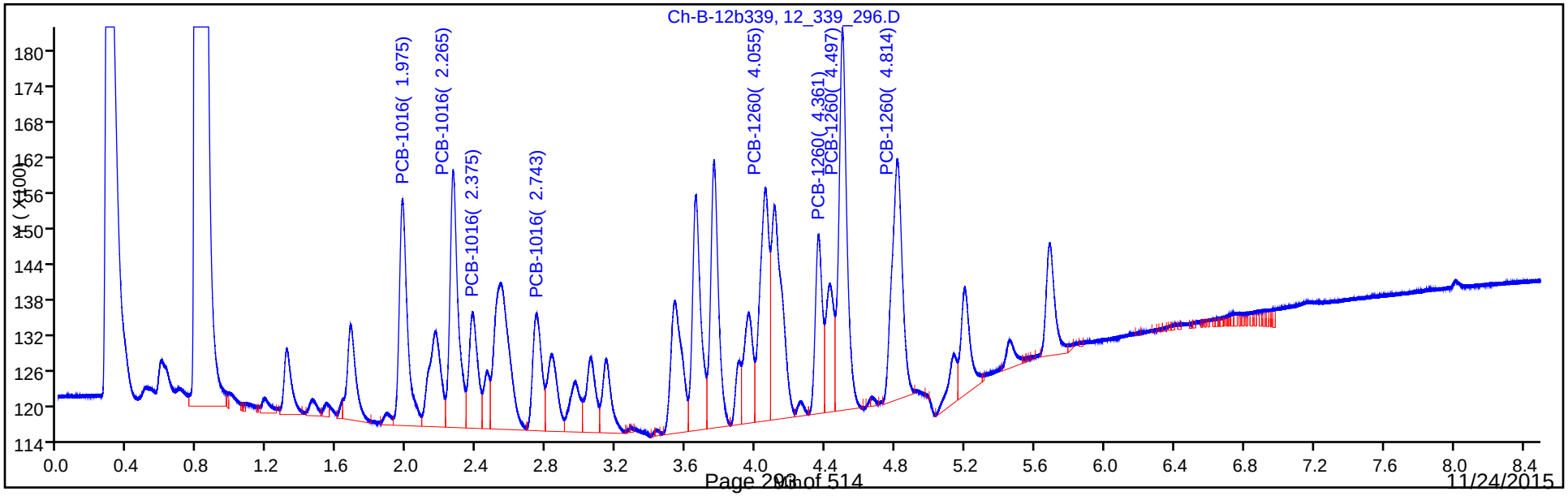
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date:	01-Aug-2015 14:13:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date: 01-Aug-2015 14:13:48 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

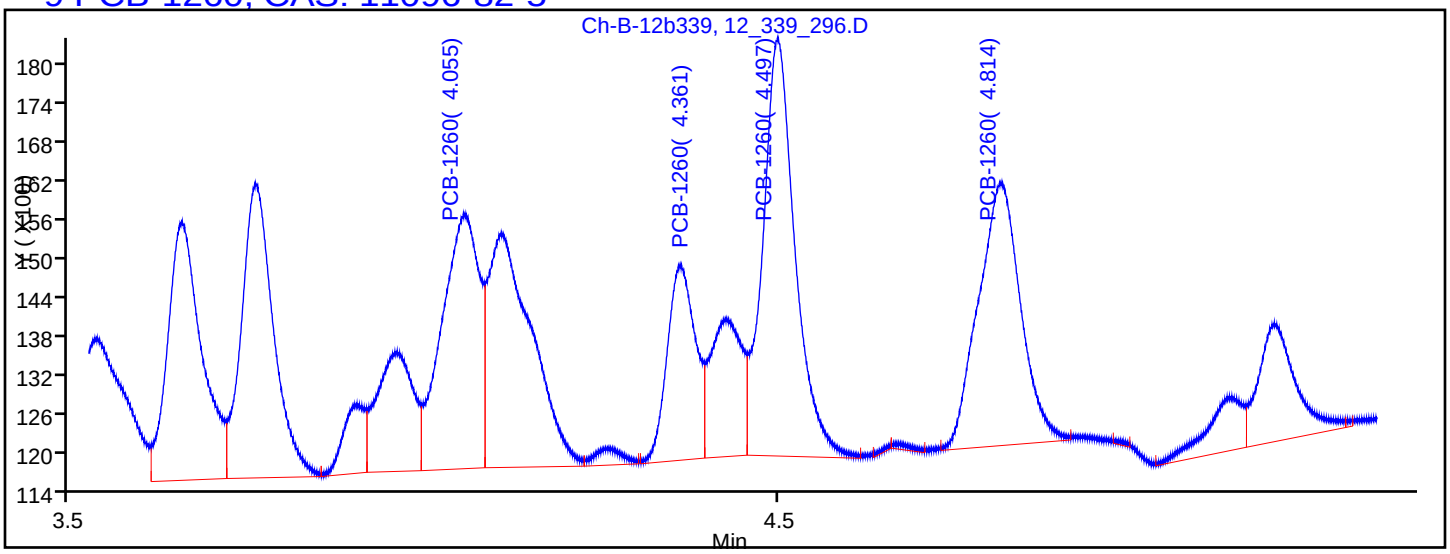
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

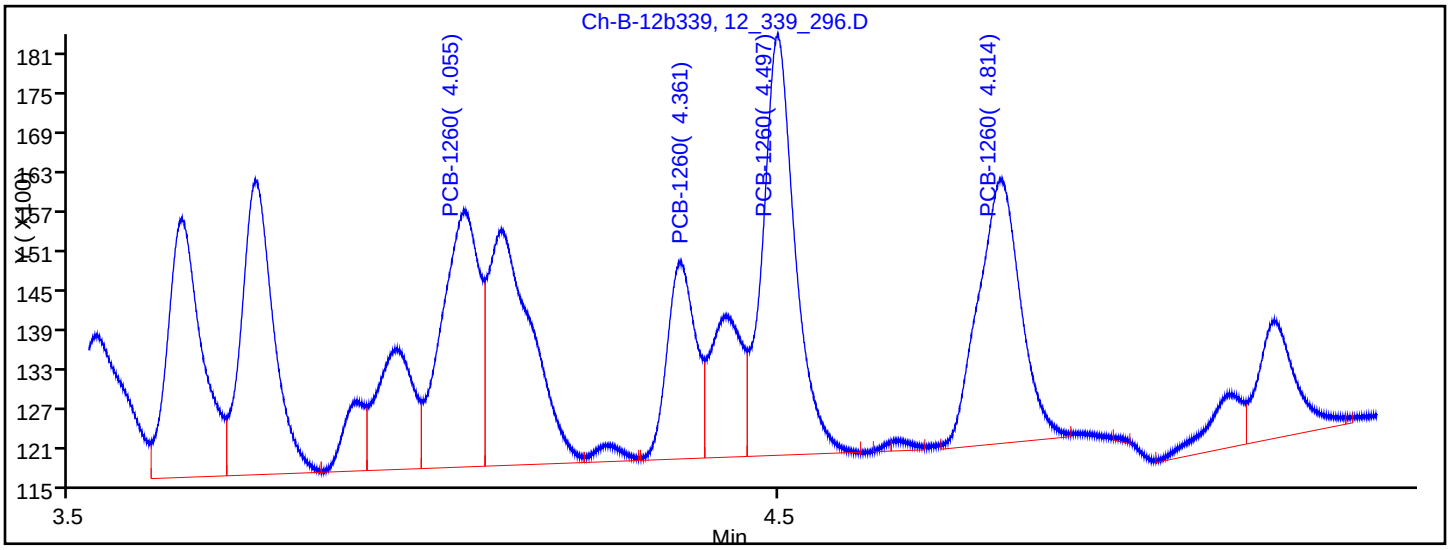
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.055	Response = 14462	M
RT = 4.361	Response = 8303	M
RT = 4.497	Response = 20329	M
RT = 4.814	Response = 16661	



Manual Integration Results

RT = 4.055	Response = 14580	M
RT = 4.361	Response = 8431	M
RT = 4.497	Response = 20454	M
RT = 4.814	Response = 16661	

Reviewer: eversd, 03-Aug-2015 11:07:50

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 14:28:46 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:58 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:08:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.689	1.687	0.002	3550	0.001250	0.001265	M
2	1.311	1.310	0.001	2002	0.001250	0.001332	
						RPD = 5.12	
6 PCB-1016							M
1	2.249	2.251	-0.002	7544	0.0500	0.0529	M
1	2.389	2.389	0.000	4350	0.0500	0.0523	M
1	2.586	2.587	-0.001	12565	0.0500	0.0526	M
1	2.671	2.671	0.000	6391	0.0500	0.0618	M
		Average of Peak Amounts =				0.0549	
2	1.973	1.975	-0.002	6171	0.0500	0.0517	M
2	2.263	2.265	-0.002	6996	0.0500	0.0466	M
2	2.375	2.375	0.000	3320	0.0500	0.0475	M
2	2.742	2.743	-0.001	3116	0.0500	0.0426	
		Average of Peak Amounts =				0.0471	
						RPD = 15.35	
9 PCB-1260							M
1	4.190	4.191	-0.001	13617	0.0500	0.0530	M
1	4.407	4.408	-0.001	11612	0.0500	0.0525	M
1	4.535	4.538	-0.003	11774	0.0500	0.0530	M
1	4.917	4.918	-0.001	15530	0.0500	0.0515	M
		Average of Peak Amounts =				0.0525	
2	4.056	4.055	0.001	7136	0.0500	0.0454	M
2	4.361	4.361	0.000	4553	0.0500	0.0491	M
2	4.498	4.497	0.001	9973	0.0500	0.0466	M
2	4.811	4.814	-0.003	8798	0.0500	0.0480	M
		Average of Peak Amounts =				0.0473	
						RPD = 10.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.235	-0.004	5154	0.001250	0.001485	
2	5.687	5.687	0.000	3432	0.001250	0.001299	
						RPD = 13.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00002 Amount Added: 1.00 Units: mL

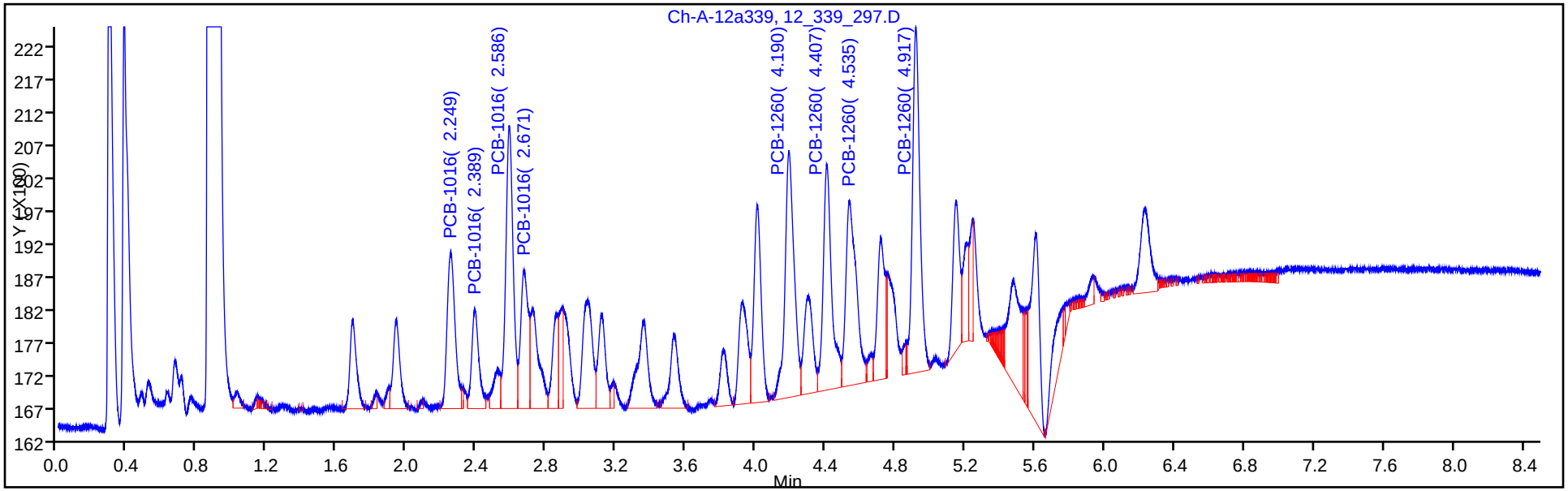
Report Date: 04-Aug-2015 09:08:00 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

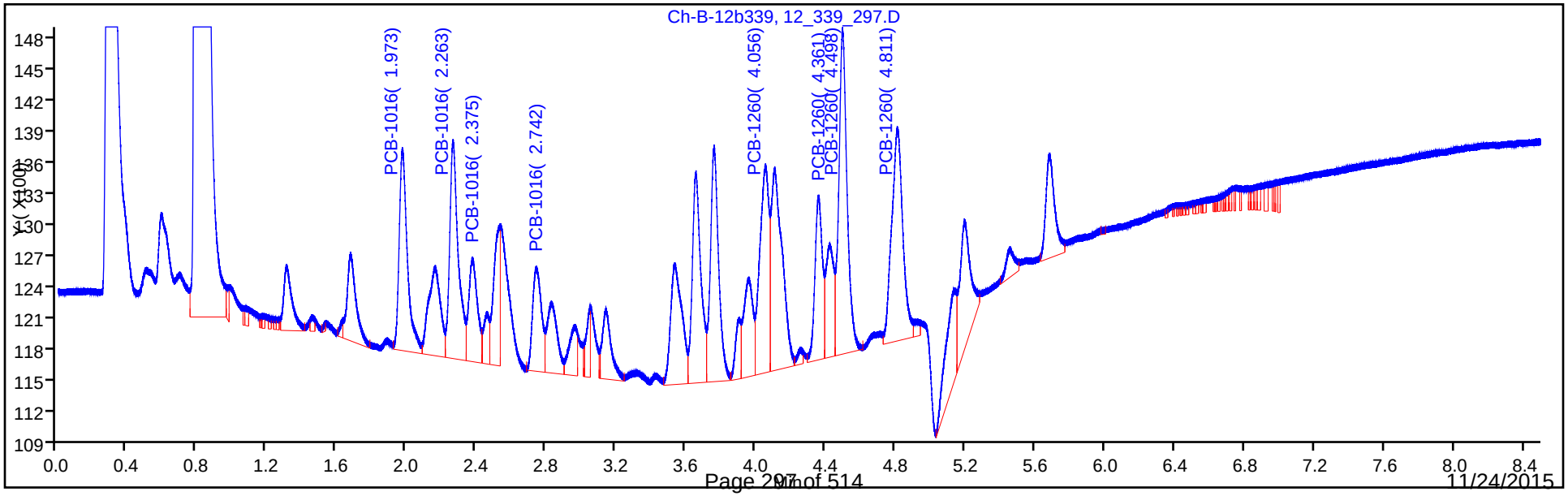
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date:	01-Aug-2015 14:28:46	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:08:00 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

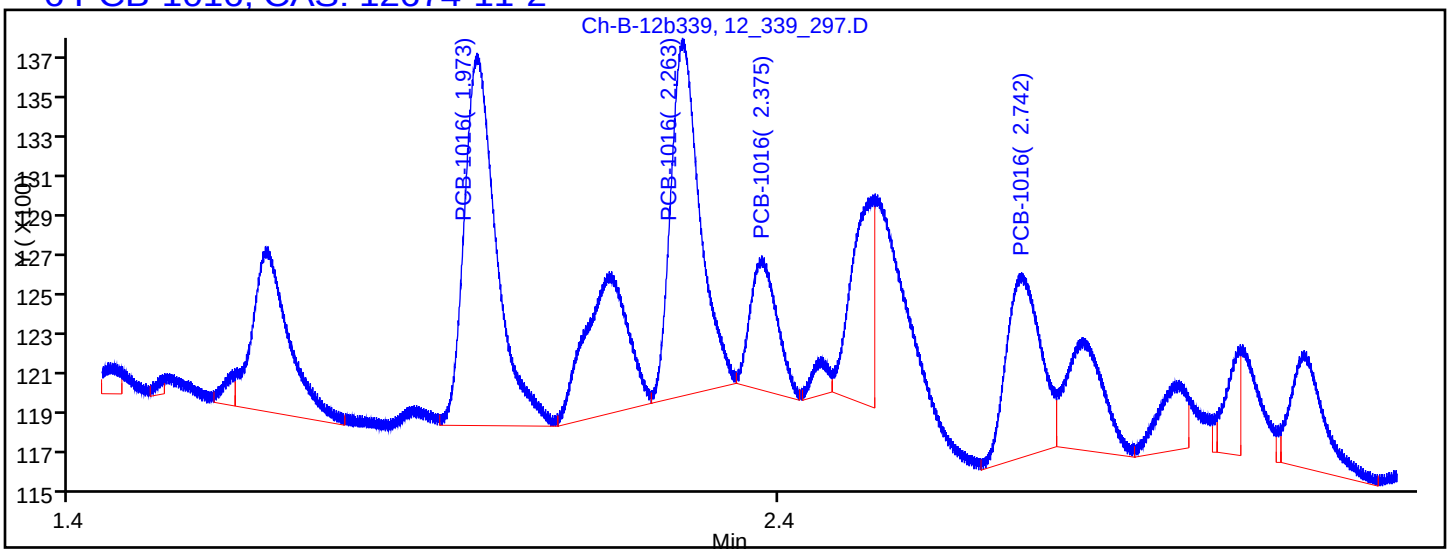
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

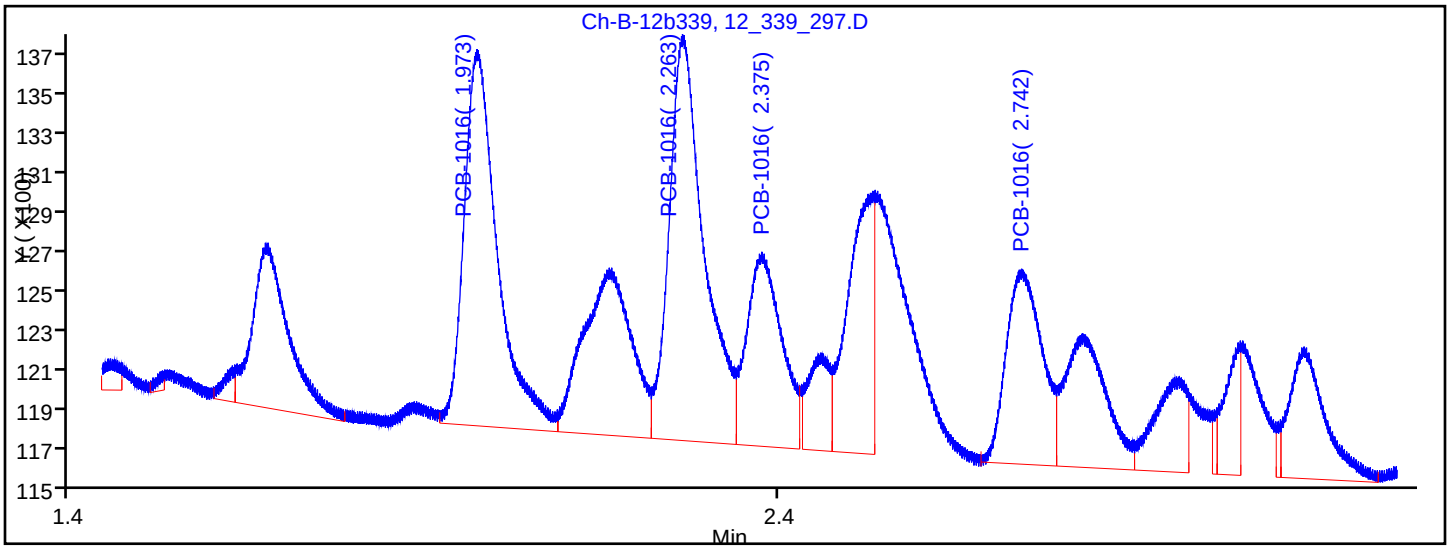
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.973	Response = 5901	M
RT = 2.263	Response = 5128	M
RT = 2.375	Response = 1744	M
RT = 2.742	Response = 3116	



Manual Integration Results

RT = 1.973	Response = 6171	M
RT = 2.263	Response = 6996	M
RT = 2.375	Response = 3320	M
RT = 2.742	Response = 3116	

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

Report Date: 04-Aug-2015 09:08:00 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

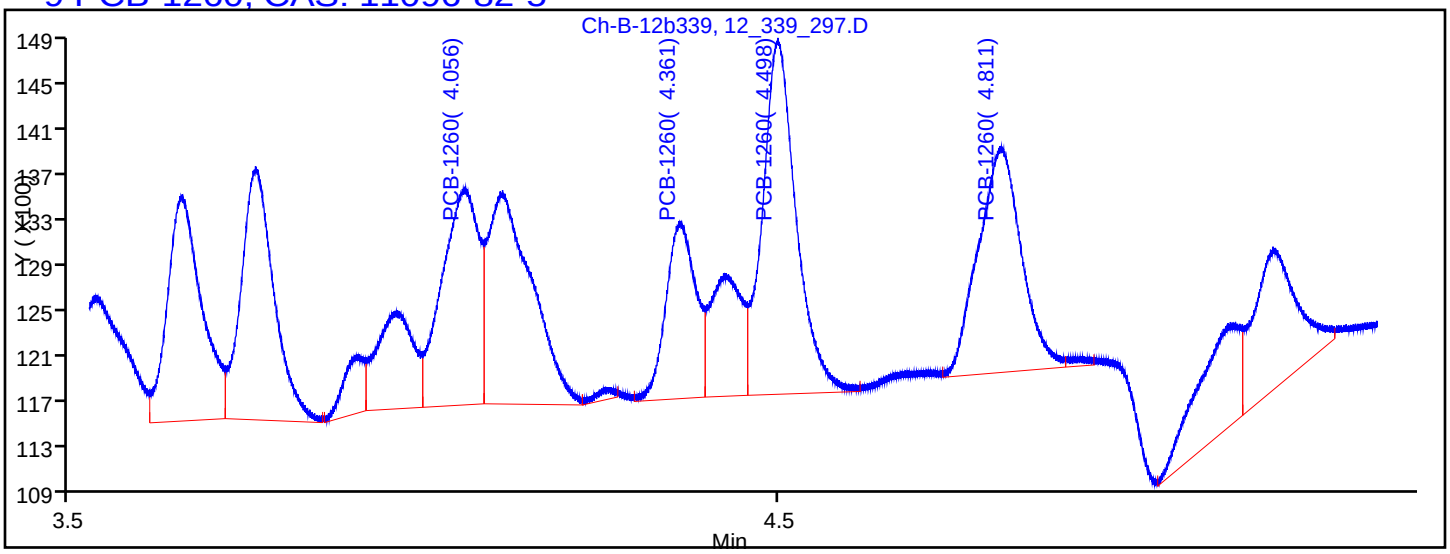
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

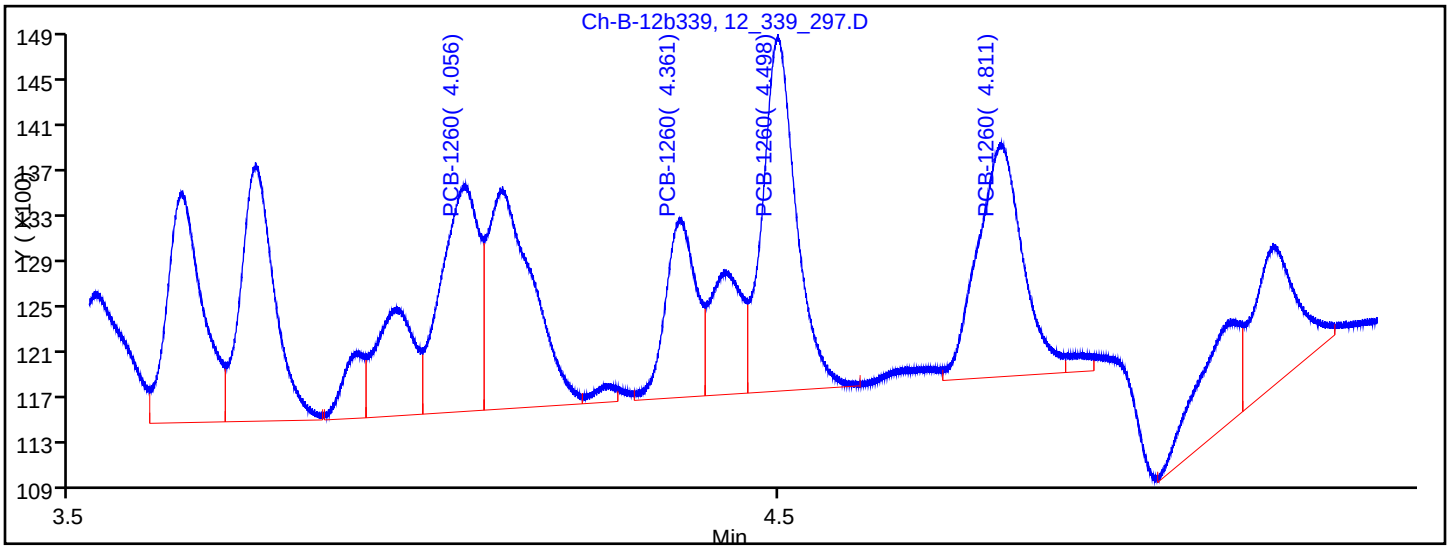
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.056	Response = 6679	M
RT = 4.361	Response = 4421	M
RT = 4.498	Response = 9987	M
RT = 4.811	Response = 8085	M



Manual Integration Results

RT = 4.056	Response = 7136	M
RT = 4.361	Response = 4553	M
RT = 4.498	Response = 9973	M
RT = 4.811	Response = 8798	M

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Aug-2015 14:43:45 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:03 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:09:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.692	1.687	0.005	1520	0.000500	0.000542	
2	1.314	1.310	0.004	884	0.000500	0.000588	M
						RPD = 8.20	
6 PCB-1016							M
1	2.251	2.251	0.000	3642	0.0200	0.0255	M
1	2.391	2.389	0.002	2300	0.0200	0.0277	M
1	2.589	2.587	0.002	5803	0.0200	0.0243	M
1	2.684	2.671	0.013	2217	0.0200	0.0214	M
		Average of Peak Amounts =				0.0247	
2	1.973	1.975	-0.002	2452	0.0200	0.0205	M
2	2.263	2.265	-0.002	2829	0.0200	0.0188	M
2	2.373	2.375	-0.002	1578	0.0200	0.0226	M
2	2.745	2.743	0.002	1315	0.0200	0.0180	
		Average of Peak Amounts =				0.0200	
						RPD = 21.28	
9 PCB-1260							M
1	4.193	4.191	0.002	5921	0.0200	0.0230	M
1	4.410	4.408	0.002	4217	0.0200	0.0191	M
1	4.539	4.538	0.001	4926	0.0200	0.0222	M
1	4.920	4.918	0.002	5970	0.0200	0.0198	M
		Average of Peak Amounts =				0.0210	
2	4.057	4.055	0.002	3150	0.0200	0.0200	M
2	4.359	4.361	-0.002	2248	0.0200	0.0242	M
2	4.499	4.497	0.002	4027	0.0200	0.0188	M
2	4.816	4.814	0.002	3278	0.0200	0.0179	
		Average of Peak Amounts =				0.0202	
						RPD = 3.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							M
1	6.233	6.235	-0.002	2145	0.000500	0.000618	M
2	5.686	5.687	-0.001	1728	0.000500	0.000654	
						RPD = 5.67	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00002 Amount Added: 1.00 Units: mL

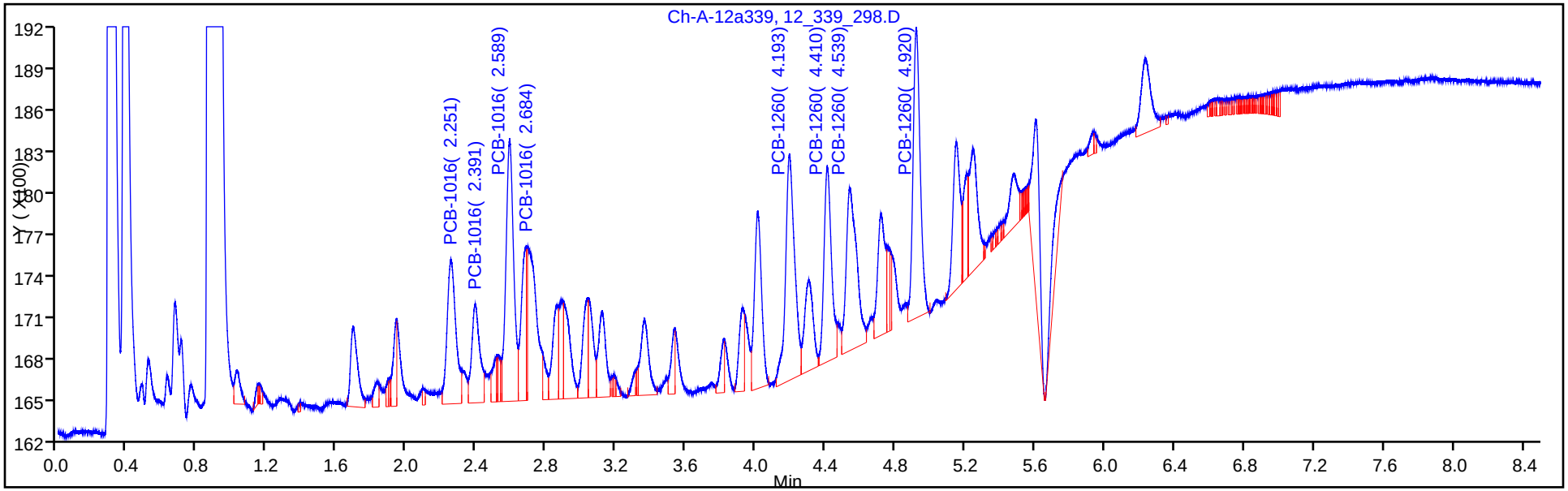
Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

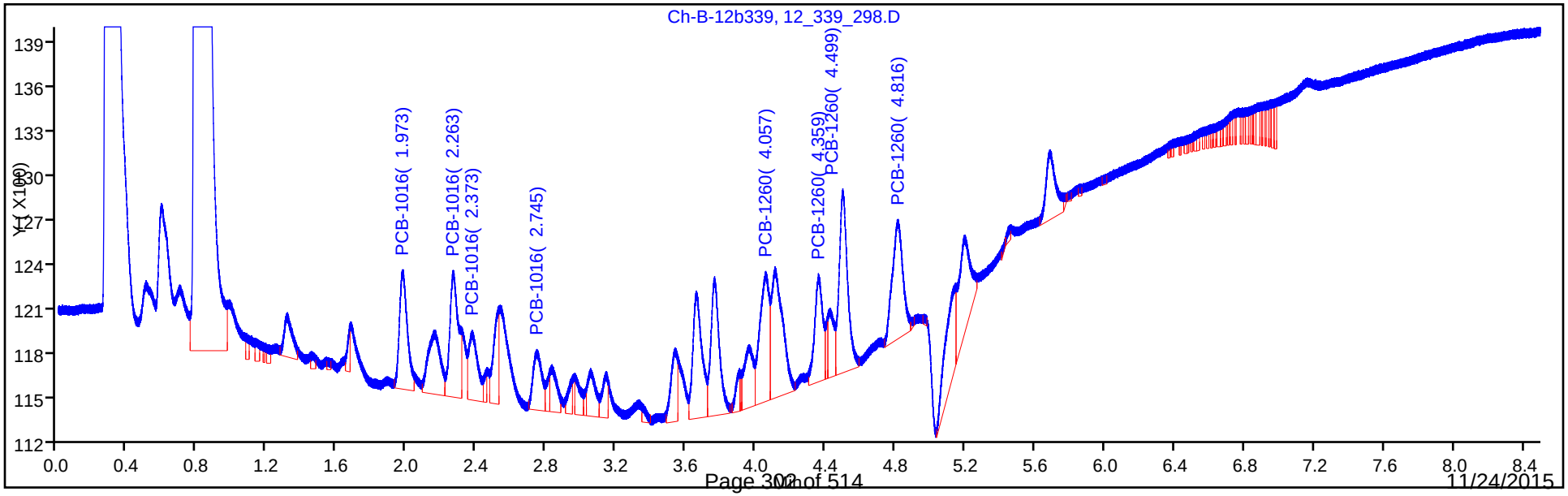
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date:	01-Aug-2015 14:43:45	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Manual Integration/User Assign Peak Report

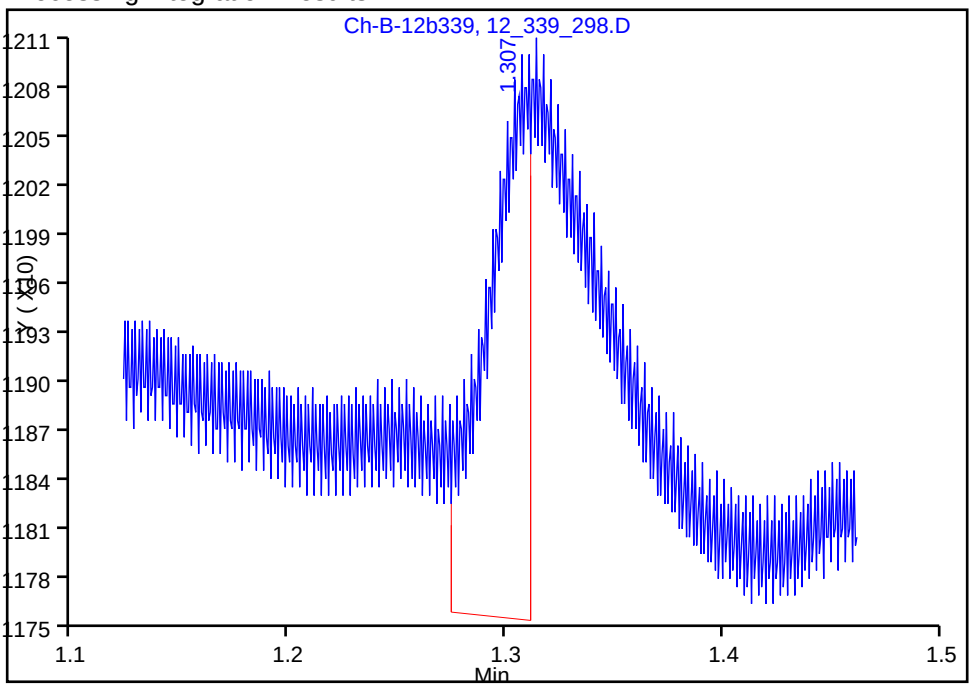
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

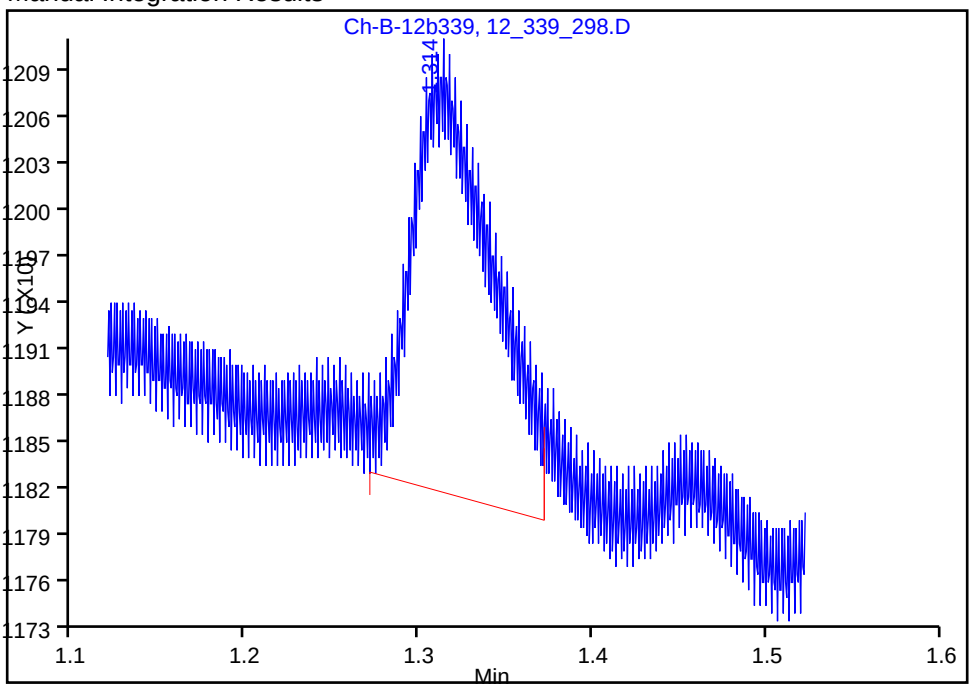
Processing Integration Results

RT: 1.31
Area: 438
Amount: 0.000318
Amount Units: ng/uL



Manual Integration Results

RT: 1.31
Area: 884
Amount: 0.000588
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:09:44
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

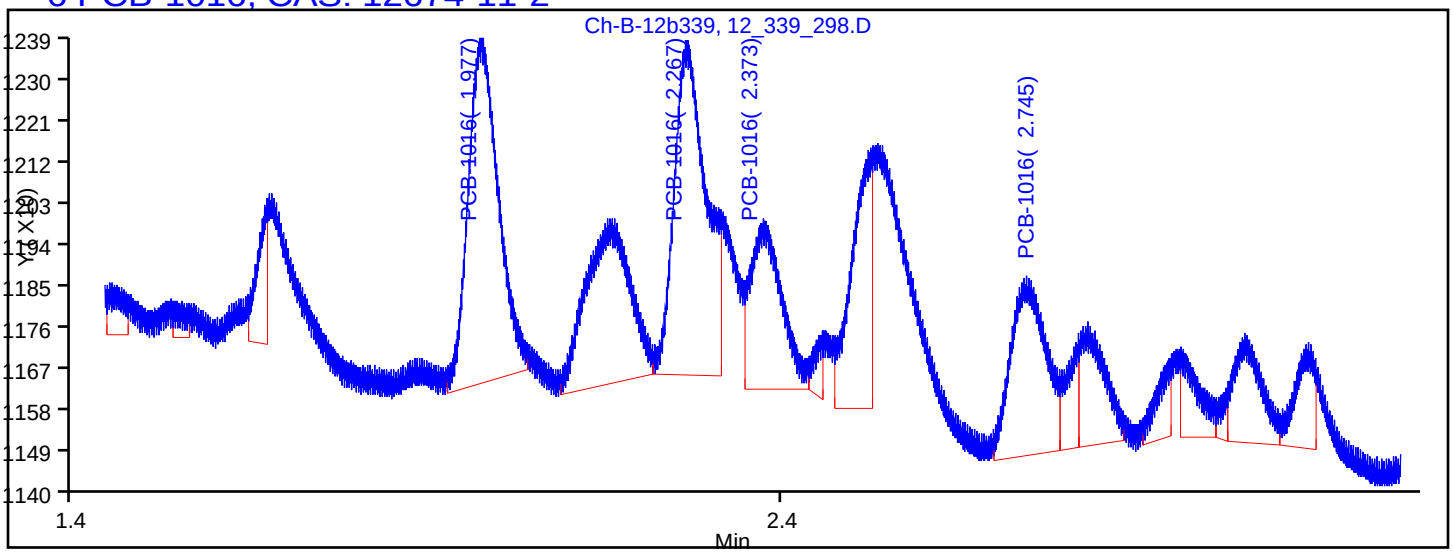
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

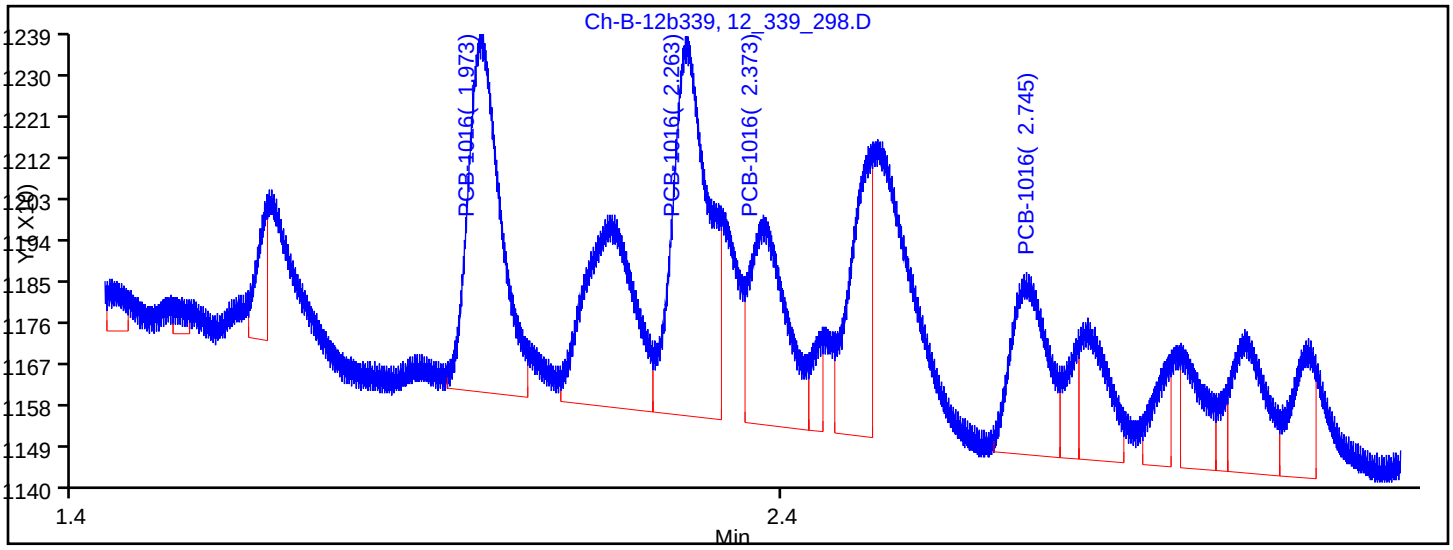
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.977	Response = 2227	M
RT = 2.267	Response = 2263	M
RT = 2.373	Response = 1095	M
RT = 2.745	Response = 1315	



Manual Integration Results

RT = 1.973	Response = 2452	M
RT = 2.263	Response = 2829	M
RT = 2.373	Response = 1578	M
RT = 2.745	Response = 1315	

Reviewer: eversd, 03-Aug-2015 11:09:44

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

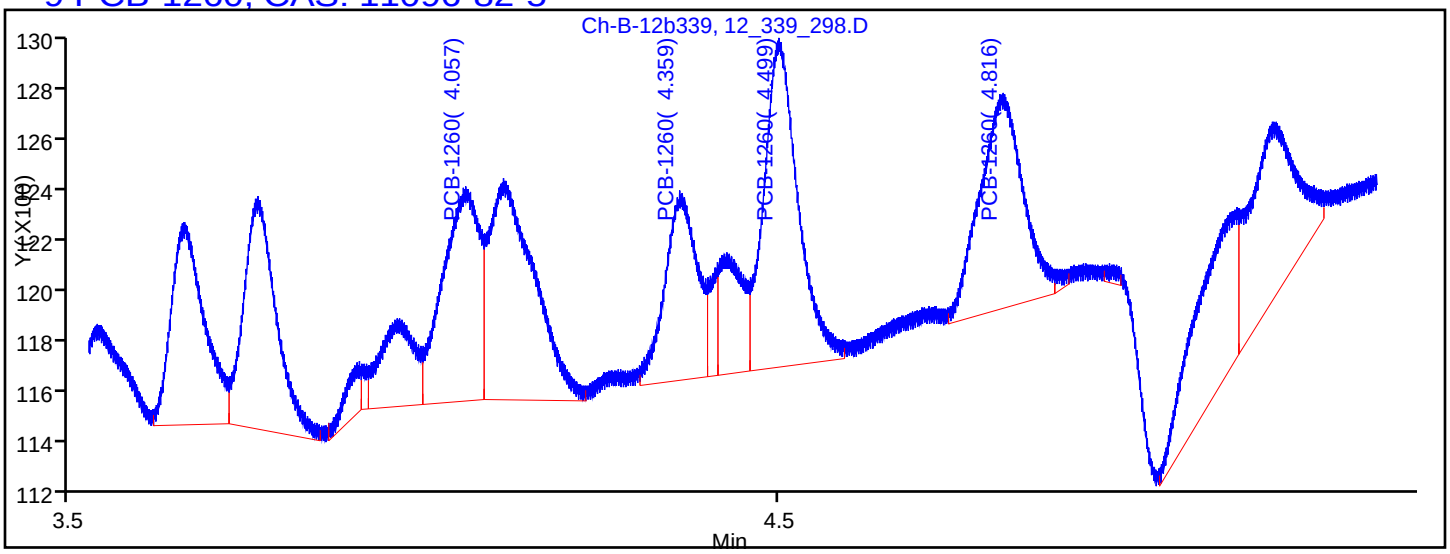
Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

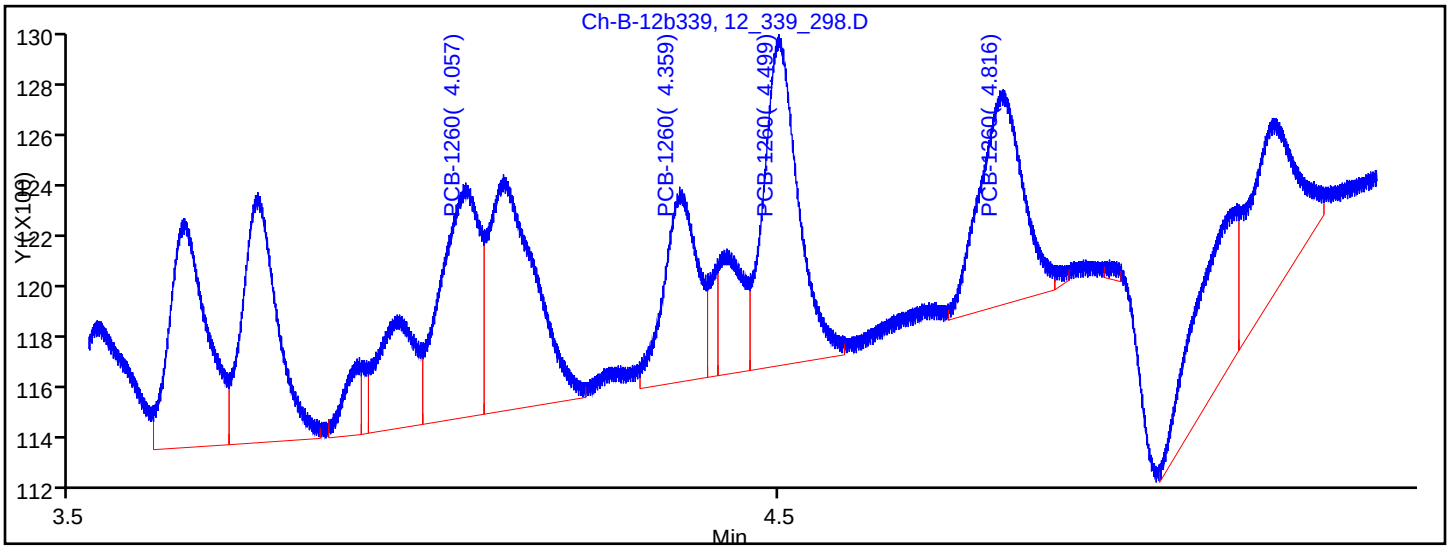
Injection Date:	01-Aug-2015 14:43:45	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.057	Response = 2752	M
RT = 4.359	Response = 2131	M
RT = 4.499	Response = 3979	M
RT = 4.816	Response = 3278	



Manual Integration Results

RT = 4.057	Response = 3150	M
RT = 4.359	Response = 2248	M
RT = 4.499	Response = 4027	M
RT = 4.816	Response = 3278	

Reviewer: eversd, 03-Aug-2015 11:09:44
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.285										1.251 - 1.311	1.285
PCB-1221 Peak 2	1.530										1.496 - 1.556	1.530
PCB-1221 Peak 3	1.825										1.791 - 1.851	1.825
PCB-1221 Peak 4	1.940										1.905 - 1.965	1.940
PCB-1254 Peak 1	3.361										3.323 - 3.383	3.361
PCB-1254 Peak 2	3.746										3.709 - 3.769	3.746
PCB-1254 Peak 3	3.823										3.786 - 3.846	3.823
PCB-1254 Peak 4	4.018										3.981 - 4.041	4.018

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	33340				Ave		33340.0000						20.0			
PCB-1221 Peak 2	11812				Ave		11812.0000						20.0			
PCB-1221 Peak 3	32872				Ave		32872.0000						20.0			
PCB-1221 Peak 4	99980				Ave		99980.0000						20.0			
PCB-1254 Peak 1	214020				Ave		214020.000						20.0			
PCB-1254 Peak 2	163674				Ave		163674.000						20.0			
PCB-1254 Peak 3	211192				Ave		211192.000						20.0			
PCB-1254 Peak 4	219734				Ave		219734.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	16670					0.500				
PCB-1221 Peak 2	Ave	5906					0.500				
PCB-1221 Peak 3	Ave	16436					0.500				
PCB-1221 Peak 4	Ave	49990					0.500				
PCB-1254 Peak 1	Ave	107010					0.500				
PCB-1254 Peak 2	Ave	81837					0.500				
PCB-1254 Peak 3	Ave	105596					0.500				
PCB-1254 Peak 4	Ave	109867					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 15:43:34 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:10 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 13:25:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
2 PCB-1221							
1	1.285	1.281	0.004	16670	0.5000	0.5000	
1	1.530	1.526	0.004	5906	0.5000	0.5000	a
1	1.825	1.821	0.004	16436	0.5000	0.5000	
1	1.940	1.935	0.005	49990	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.459	1.454	0.005	7120	0.5000	0.5000	a
2	1.541	1.537	0.004	11247	0.5000	0.5000	a
2	1.679	1.674	0.005	39721	0.5000	0.5000	M
2	1.983	1.976	0.007	12716	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	3.361	3.353	0.008	107010	0.5000	0.5000	a
1	3.746	3.739	0.007	81837	0.5000	0.5000	
1	3.823	3.816	0.007	105596	0.5000	0.5000	
1	4.018	4.011	0.007	109867	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.143	3.137	0.006	66836	0.5000	0.5000	
2	3.517	3.508	0.009	96730	0.5000	0.5000	
2	3.650	3.641	0.009	93220	0.5000	0.5000	
2	4.062	4.055	0.007	71591	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

21-54w/IS@0.5_00002 Amount Added: 1.00 Units: mL

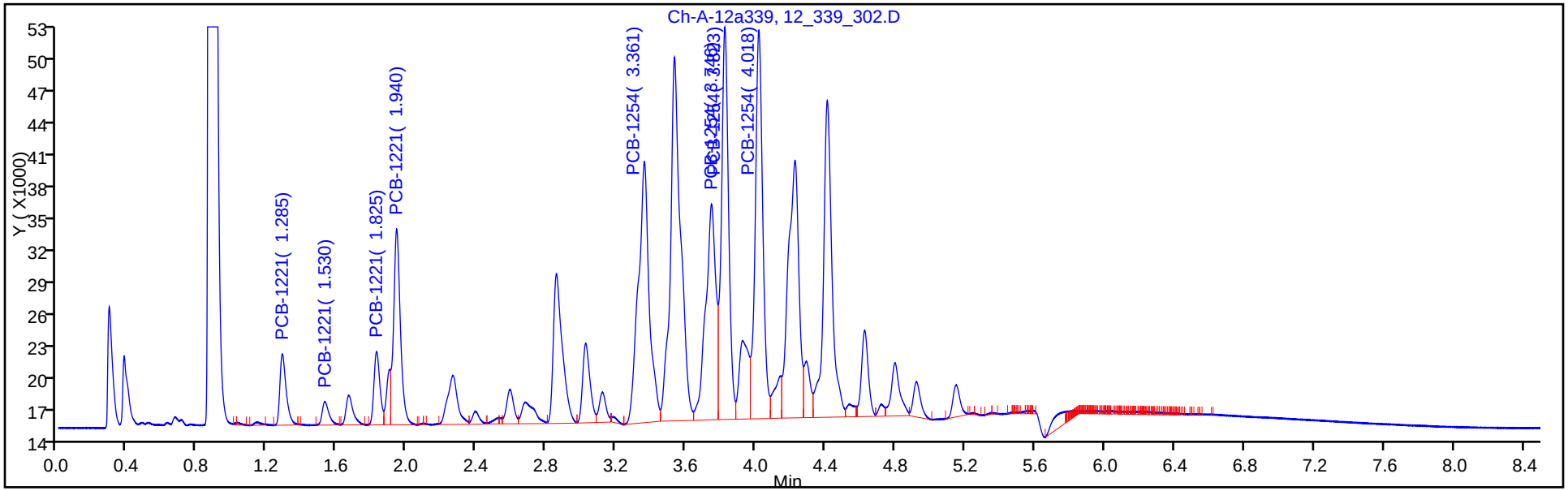
Report Date: 04-Aug-2015 09:08:11 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

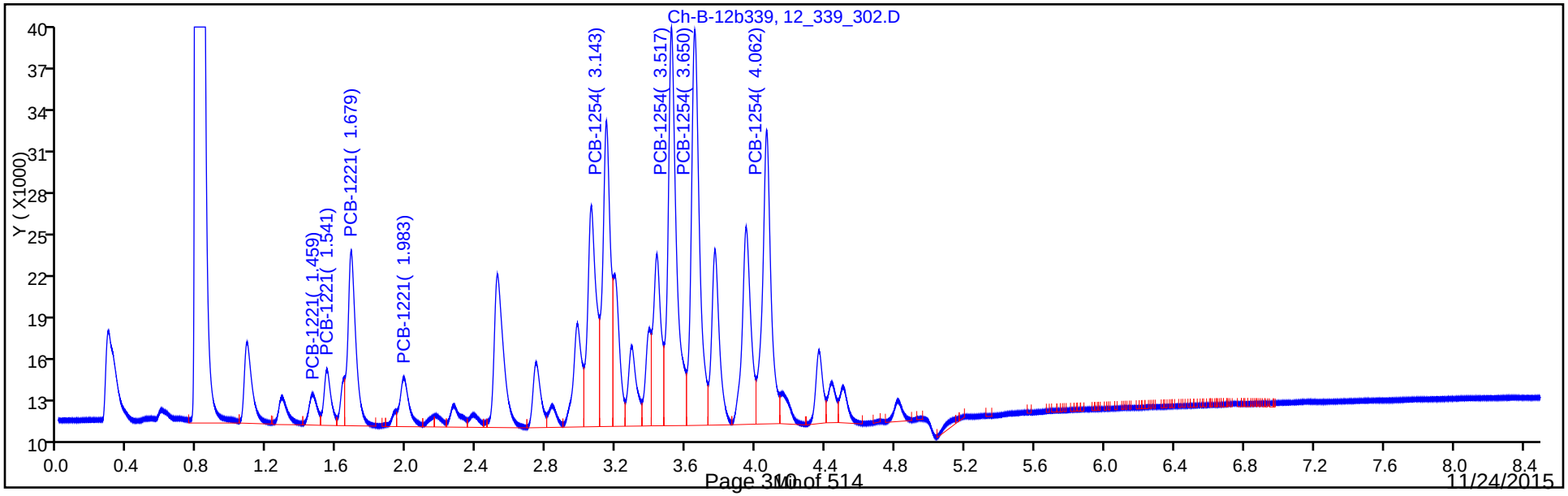
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D

Injection Date:	01-Aug-2015 15:43:34	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.459										1.424 - 1.484	1.459
PCB-1221 Peak 2	1.541										1.507 - 1.567	1.541
PCB-1221 Peak 3	1.679										1.644 - 1.704	1.679
PCB-1221 Peak 4	1.983										1.946 - 2.006	1.983
PCB-1254 Peak 1	3.143										3.107 - 3.167	3.143
PCB-1254 Peak 2	3.517										3.478 - 3.538	3.517
PCB-1254 Peak 3	3.650										3.611 - 3.671	3.650
PCB-1254 Peak 4	4.062										4.025 - 4.085	4.062

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	14240				Ave		14240.0000						20.0			
PCB-1221 Peak 2	22494				Ave		22494.0000						20.0			
PCB-1221 Peak 3	79442				Ave		79442.0000						20.0			
PCB-1221 Peak 4	25432				Ave		25432.0000						20.0			
PCB-1254 Peak 1	133672				Ave		133672.000						20.0			
PCB-1254 Peak 2	193460				Ave		193460.000						20.0			
PCB-1254 Peak 3	186440				Ave		186440.000						20.0			
PCB-1254 Peak 4	143182				Ave		143182.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	7120					0.500				
PCB-1221 Peak 2	Ave	11247					0.500				
PCB-1221 Peak 3	Ave	39721					0.500				
PCB-1221 Peak 4	Ave	12716					0.500				
PCB-1254 Peak 1	Ave	66836					0.500				
PCB-1254 Peak 2	Ave	96730					0.500				
PCB-1254 Peak 3	Ave	93220					0.500				
PCB-1254 Peak 4	Ave	71591					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 15:43:34 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:10 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 13:25:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
2 PCB-1221							
1	1.285	1.281	0.004	16670	0.5000	0.5000	
1	1.530	1.526	0.004	5906	0.5000	0.5000	a
1	1.825	1.821	0.004	16436	0.5000	0.5000	
1	1.940	1.935	0.005	49990	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.459	1.454	0.005	7120	0.5000	0.5000	a
2	1.541	1.537	0.004	11247	0.5000	0.5000	a
2	1.679	1.674	0.005	39721	0.5000	0.5000	M
2	1.983	1.976	0.007	12716	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	3.361	3.353	0.008	107010	0.5000	0.5000	a
1	3.746	3.739	0.007	81837	0.5000	0.5000	
1	3.823	3.816	0.007	105596	0.5000	0.5000	
1	4.018	4.011	0.007	109867	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.143	3.137	0.006	66836	0.5000	0.5000	
2	3.517	3.508	0.009	96730	0.5000	0.5000	
2	3.650	3.641	0.009	93220	0.5000	0.5000	
2	4.062	4.055	0.007	71591	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

21-54w/IS@0.5_00002 Amount Added: 1.00 Units: mL

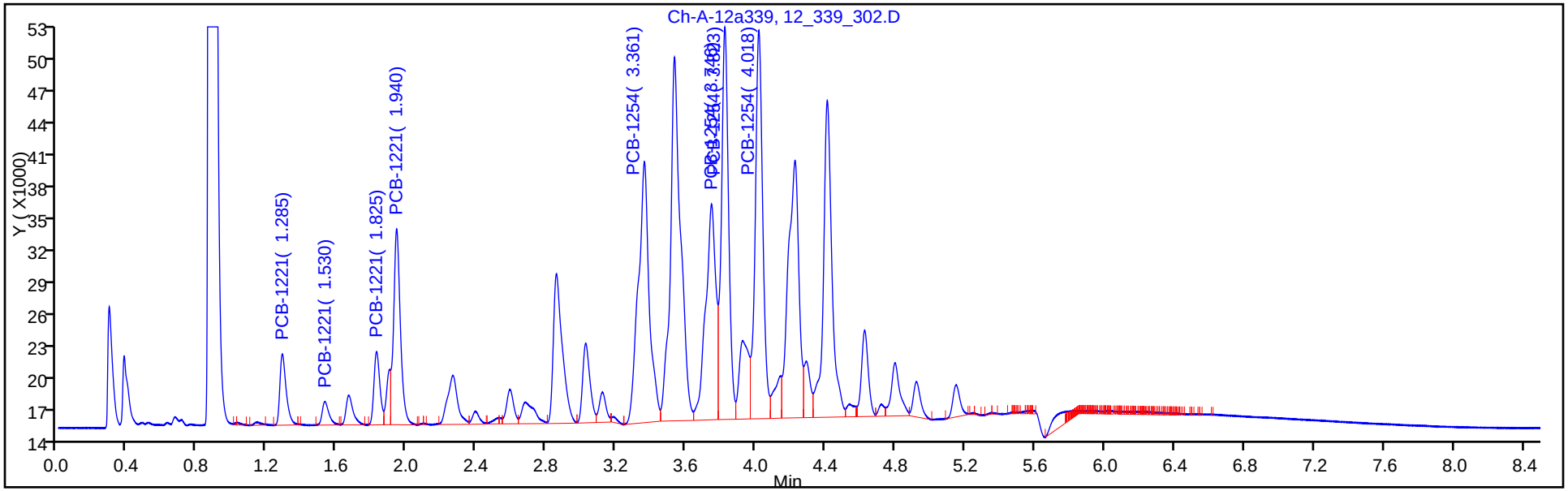
Report Date: 04-Aug-2015 09:08:11 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

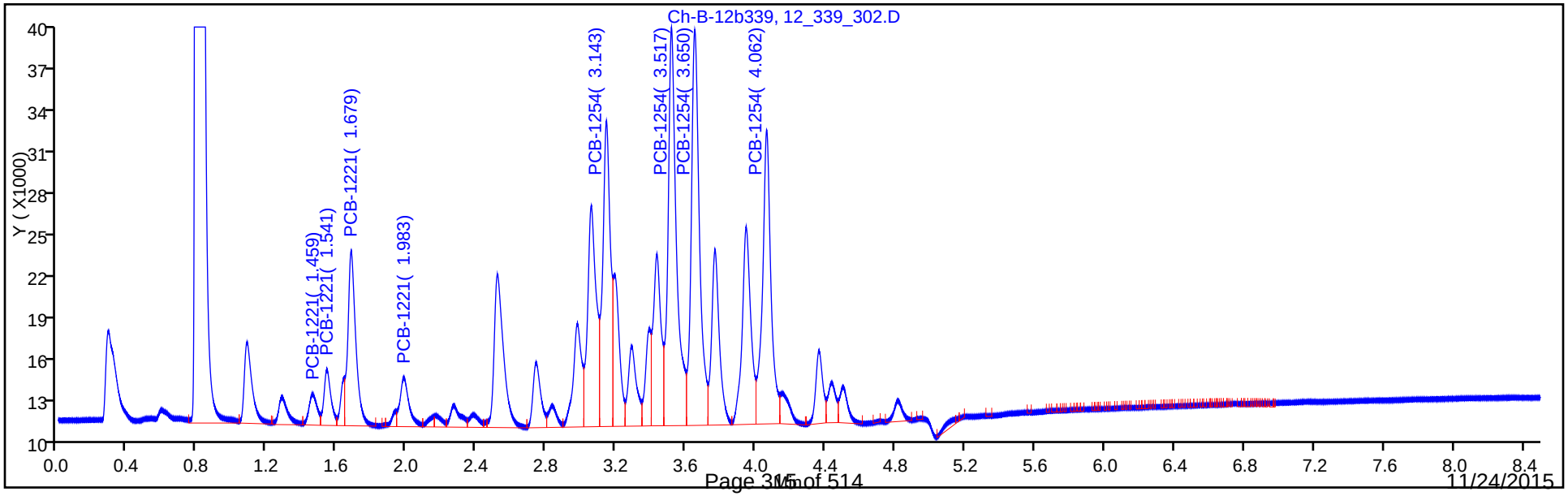
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D

Injection Date:	01-Aug-2015 15:43:34	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.823										1.796 - 1.856	1.823
PCB-1232 Peak 2	1.937										1.910 - 1.970	1.937
PCB-1232 Peak 3	2.251										2.226 - 2.286	2.251
PCB-1232 Peak 4	2.588										2.562 - 2.622	2.588
PCB-1262 Peak 1	4.005										3.978 - 4.038	4.005
PCB-1262 Peak 2	4.531										4.503 - 4.563	4.531
PCB-1262 Peak 3	4.711										4.684 - 4.744	4.711
PCB-1262 Peak 4	4.911										4.884 - 4.944	4.911

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	23012				Ave		23012.0000						20.0			
PCB-1232 Peak 2	87862				Ave		87862.0000						20.0			
PCB-1232 Peak 3	83092				Ave		83092.0000						20.0			
PCB-1232 Peak 4	113662				Ave		113662.000						20.0			
PCB-1262 Peak 1	133634				Ave		133634.000						20.0			
PCB-1262 Peak 2	307152				Ave		307152.000						20.0			
PCB-1262 Peak 3	156754				Ave		156754.000						20.0			
PCB-1262 Peak 4	360342				Ave		360342.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	11506					0.500				
PCB-1232 Peak 2	Ave	43931					0.500				
PCB-1232 Peak 3	Ave	41546					0.500				
PCB-1232 Peak 4	Ave	56831					0.500				
PCB-1262 Peak 1	Ave	66817					0.500				
PCB-1262 Peak 2	Ave	153576					0.500				
PCB-1262 Peak 3	Ave	78377					0.500				
PCB-1262 Peak 4	Ave	180171					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 16:58:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub39

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:17 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:24:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
5 PCB-1232							
1	1.823	1.826	-0.003	11506	0.5000	0.5000	
1	1.937	1.940	-0.003	43931	0.5000	0.5000	
1	2.251	2.256	-0.005	41546	0.5000	0.5000	
1	2.588	2.592	-0.004	56831	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.677	1.677	0.000	38321	0.5000	0.5000	
2	1.975	1.975	0.000	34966	0.5000	0.5000	
2	2.265	2.270	-0.005	34734	0.5000	0.5000	
2	2.541	2.547	-0.006	30848	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
10 PCB-1262							
1	4.005	4.008	-0.003	66817	0.5000	0.5000	
1	4.531	4.533	-0.002	153576	0.5000	0.5000	
1	4.711	4.714	-0.003	78377	0.5000	0.5000	
1	4.911	4.914	-0.003	180171	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.757	3.759	-0.002	59199	0.5000	0.5000	
2	4.105	4.108	-0.003	114498	0.5000	0.5000	
2	4.355	4.357	-0.002	61284	0.5000	0.5000	
2	4.491	4.493	-0.002	135135	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

32-62w/IS@0.5_00002 Amount Added: 1.00 Units: mL

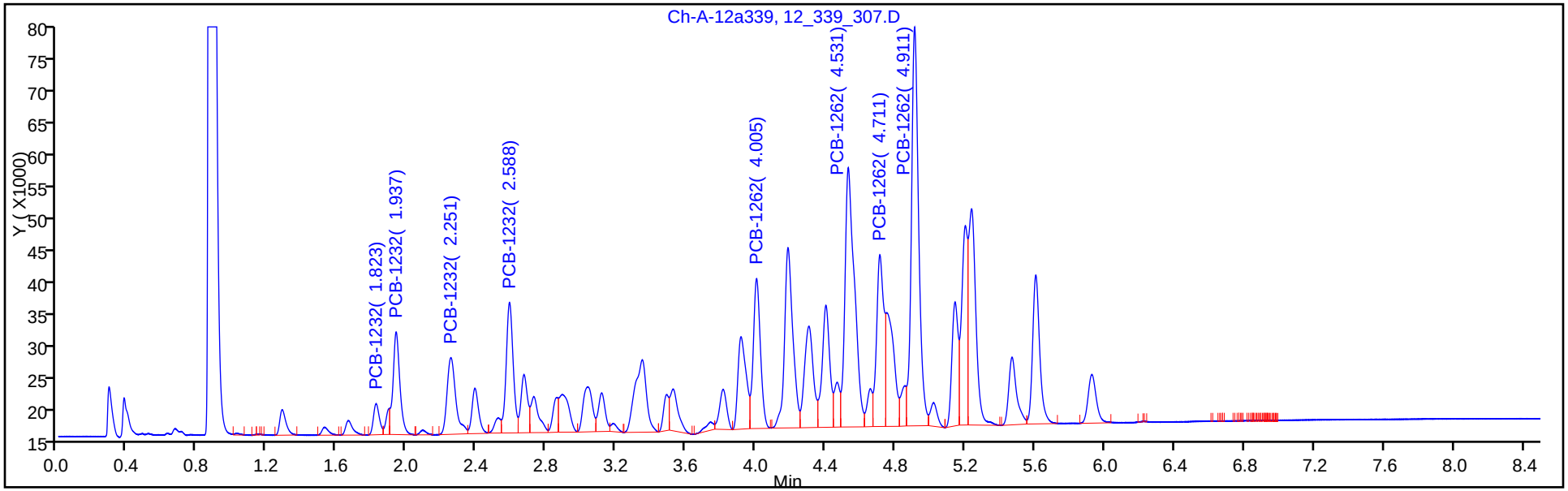
Report Date: 04-Aug-2015 09:08:18 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

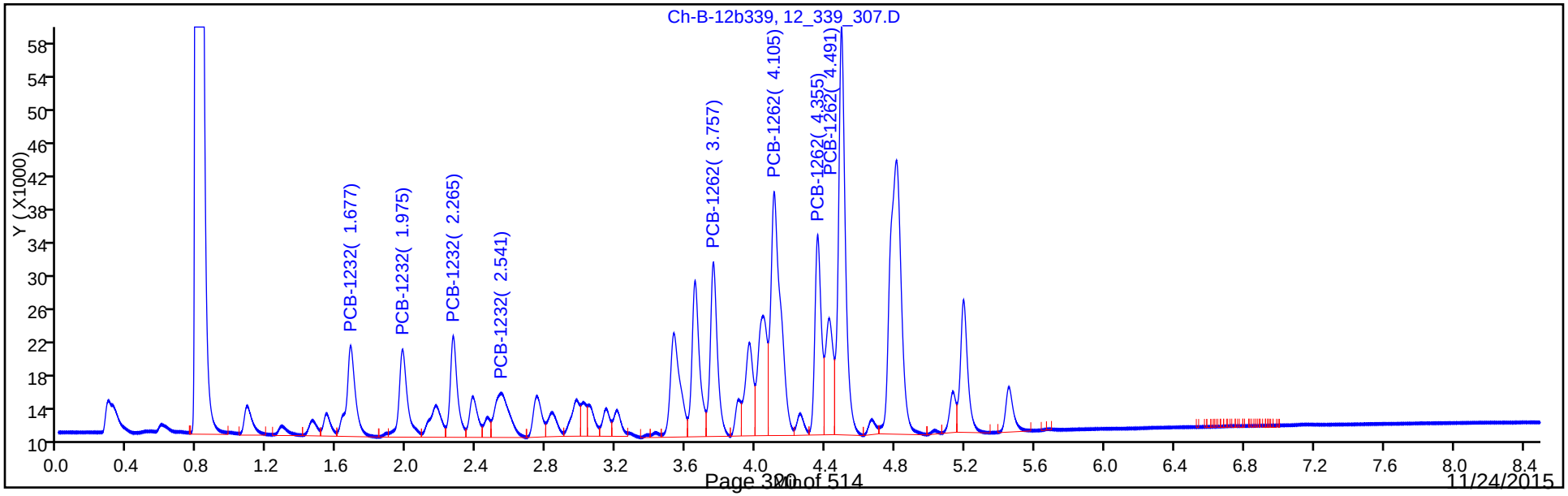
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D

Injection Date:	01-Aug-2015 16:58:14	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24340

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.677										1.647 - 1.707	1.677
PCB-1232 Peak 2	1.975										1.945 - 2.005	1.975
PCB-1232 Peak 3	2.265										2.240 - 2.300	2.265
PCB-1232 Peak 4	2.541										2.517 - 2.577	2.541
PCB-1262 Peak 1	3.757										3.729 - 3.789	3.757
PCB-1262 Peak 2	4.105										4.078 - 4.138	4.105
PCB-1262 Peak 3	4.355										4.327 - 4.387	4.355
PCB-1262 Peak 4	4.491										4.463 - 4.523	4.491

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24340

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	76642				Ave		76642.0000						20.0			
PCB-1232 Peak 2	69932				Ave		69932.0000						20.0			
PCB-1232 Peak 3	69468				Ave		69468.0000						20.0			
PCB-1232 Peak 4	61696				Ave		61696.0000						20.0			
PCB-1262 Peak 1	118398				Ave		118398.000						20.0			
PCB-1262 Peak 2	228996				Ave		228996.000						20.0			
PCB-1262 Peak 3	122568				Ave		122568.000						20.0			
PCB-1262 Peak 4	270270				Ave		270270.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24340

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	38321					0.500				
PCB-1232 Peak 2	Ave	34966					0.500				
PCB-1232 Peak 3	Ave	34734					0.500				
PCB-1232 Peak 4	Ave	30848					0.500				
PCB-1262 Peak 1	Ave	59199					0.500				
PCB-1262 Peak 2	Ave	114498					0.500				
PCB-1262 Peak 3	Ave	61284					0.500				
PCB-1262 Peak 4	Ave	135135					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 16:58:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub39

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:17 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:24:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
5 PCB-1232							
1	1.823	1.826	-0.003	11506	0.5000	0.5000	
1	1.937	1.940	-0.003	43931	0.5000	0.5000	
1	2.251	2.256	-0.005	41546	0.5000	0.5000	
1	2.588	2.592	-0.004	56831	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.677	1.677	0.000	38321	0.5000	0.5000	
2	1.975	1.975	0.000	34966	0.5000	0.5000	
2	2.265	2.270	-0.005	34734	0.5000	0.5000	
2	2.541	2.547	-0.006	30848	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
10 PCB-1262							
1	4.005	4.008	-0.003	66817	0.5000	0.5000	
1	4.531	4.533	-0.002	153576	0.5000	0.5000	
1	4.711	4.714	-0.003	78377	0.5000	0.5000	
1	4.911	4.914	-0.003	180171	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.757	3.759	-0.002	59199	0.5000	0.5000	
2	4.105	4.108	-0.003	114498	0.5000	0.5000	
2	4.355	4.357	-0.002	61284	0.5000	0.5000	
2	4.491	4.493	-0.002	135135	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

32-62w/IS@0.5_00002 Amount Added: 1.00 Units: mL

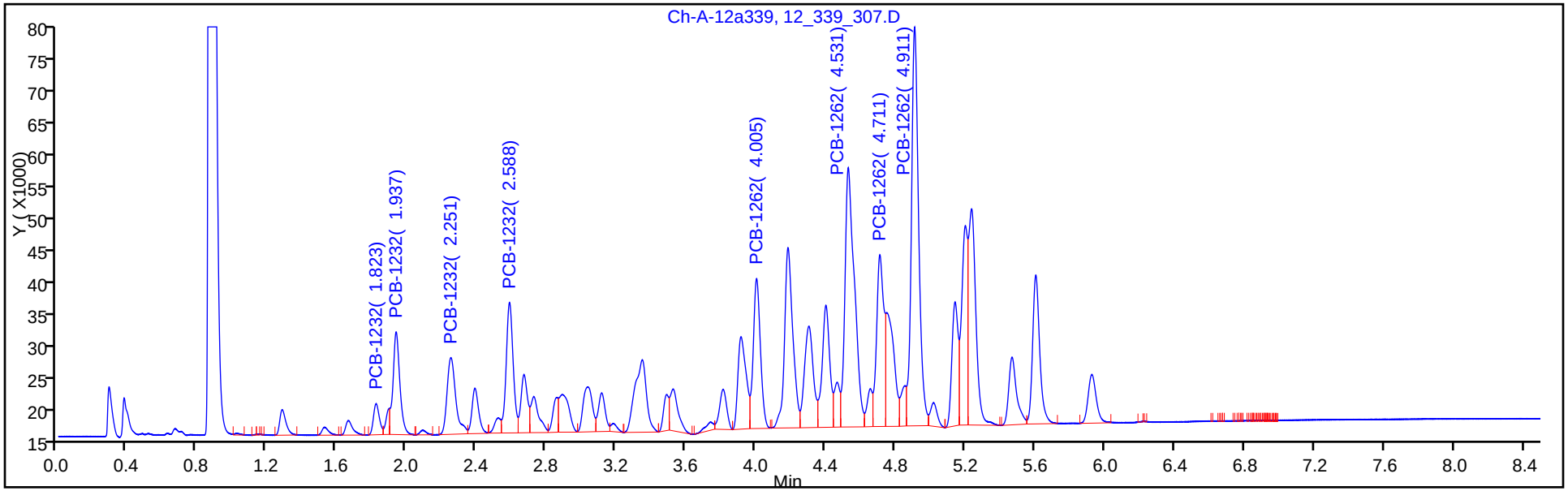
Report Date: 04-Aug-2015 09:08:18 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

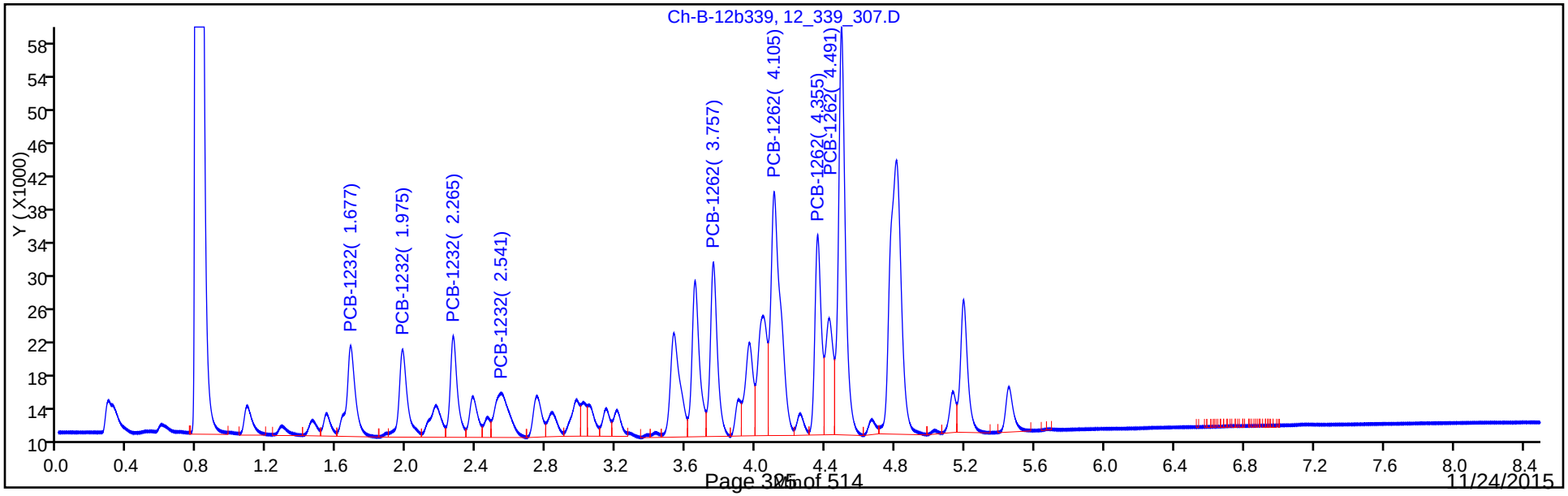
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D

Injection Date:	01-Aug-2015 16:58:14	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.255										2.221 - 2.281	2.255
PCB-1242 Peak 2	2.591										2.560 - 2.620	2.591
PCB-1242 Peak 3	3.037										3.003 - 3.063	3.037
PCB-1242 Peak 4	3.121										3.089 - 3.149	3.121
PCB-1268 Peak 1	5.235										5.205 - 5.265	5.235
PCB-1268 Peak 2	5.458										5.428 - 5.488	5.458
PCB-1268 Peak 3	5.925										5.895 - 5.955	5.925
PCB-1268 Peak 4	6.223										6.193 - 6.253	6.223

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	121108				Ave		121108.000						20.0			
PCB-1242 Peak 2	194096				Ave		194096.000						20.0			
PCB-1242 Peak 3	102084				Ave		102084.000						20.0			
PCB-1242 Peak 4	70920				Ave		70920.0000						20.0			
PCB-1268 Peak 1	441680				Ave		441680.000						20.0			
PCB-1268 Peak 2	332632				Ave		332632.000						20.0			
PCB-1268 Peak 3	973310				Ave		973310.000						20.0			
PCB-1268 Peak 4	251294				Ave		251294.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	60554					0.500				
PCB-1242 Peak 2	Ave	97048					0.500				
PCB-1242 Peak 3	Ave	51042					0.500				
PCB-1242 Peak 4	Ave	35460					0.500				
PCB-1268 Peak 1	Ave	220840					0.500				
PCB-1268 Peak 2	Ave	166316					0.500				
PCB-1268 Peak 3	Ave	486655					0.500				
PCB-1268 Peak 4	Ave	125647					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 18:12:48 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub40

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:23 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:51:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
4 PCB-1242							
1	2.255	2.251	0.004	60554	0.5000	0.5000	
1	2.591	2.590	0.001	97048	0.5000	0.5000	
1	3.037	3.033	0.004	51042	0.5000	0.5000	
1	3.121	3.119	0.002	35460	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.976	1.974	0.002	49434	0.5000	0.5000	
2	2.270	2.267	0.003	62501	0.5000	0.5000	
2	2.837	2.835	0.002	23963	0.5000	0.5000	
2	2.975	2.973	0.002	32260	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	5.235	5.235	0.000	220840	0.5000	0.5000	
1	5.458	5.458	0.000	166316	0.5000	0.5000	
1	5.925	5.925	0.000	486655	0.5000	0.5000	
1	6.223	6.223	0.000	125647	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.111	4.110	0.001	29472	0.5000	0.5000	
2	4.801	4.801	0.000	170908	0.5000	0.5000	
2	5.447	5.447	0.000	367754	0.5000	0.5000	
2	5.677	5.675	0.002	92876	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

42-68w/IS@0.5_00002 Amount Added: 1.00 Units: mL

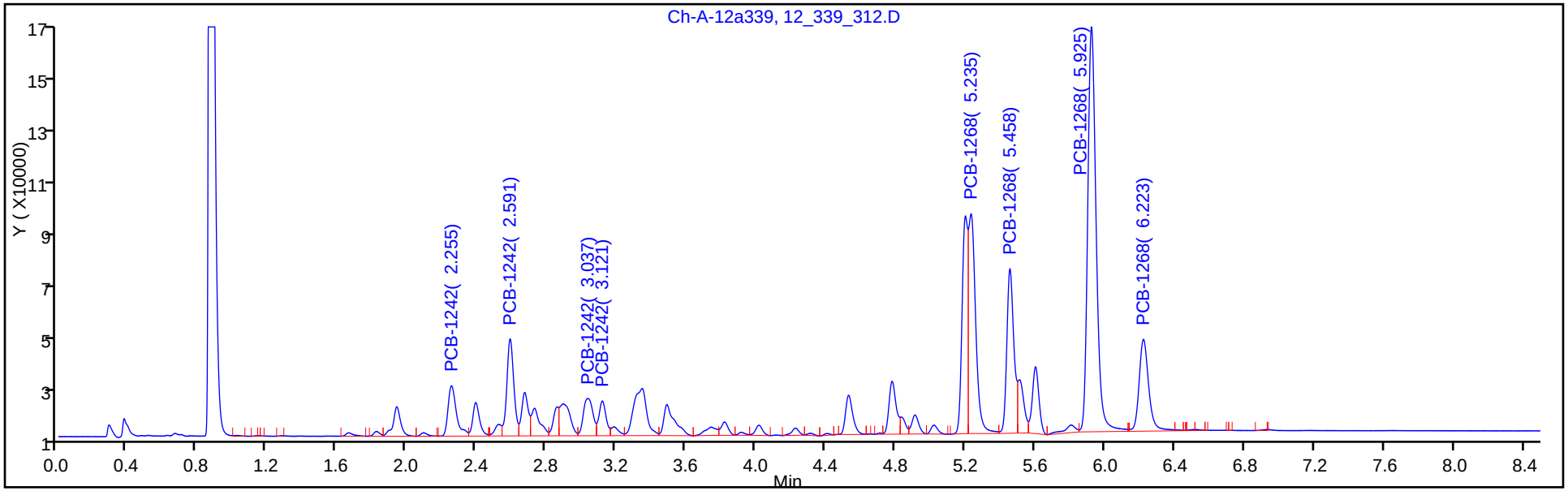
Report Date: 04-Aug-2015 09:08:24 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

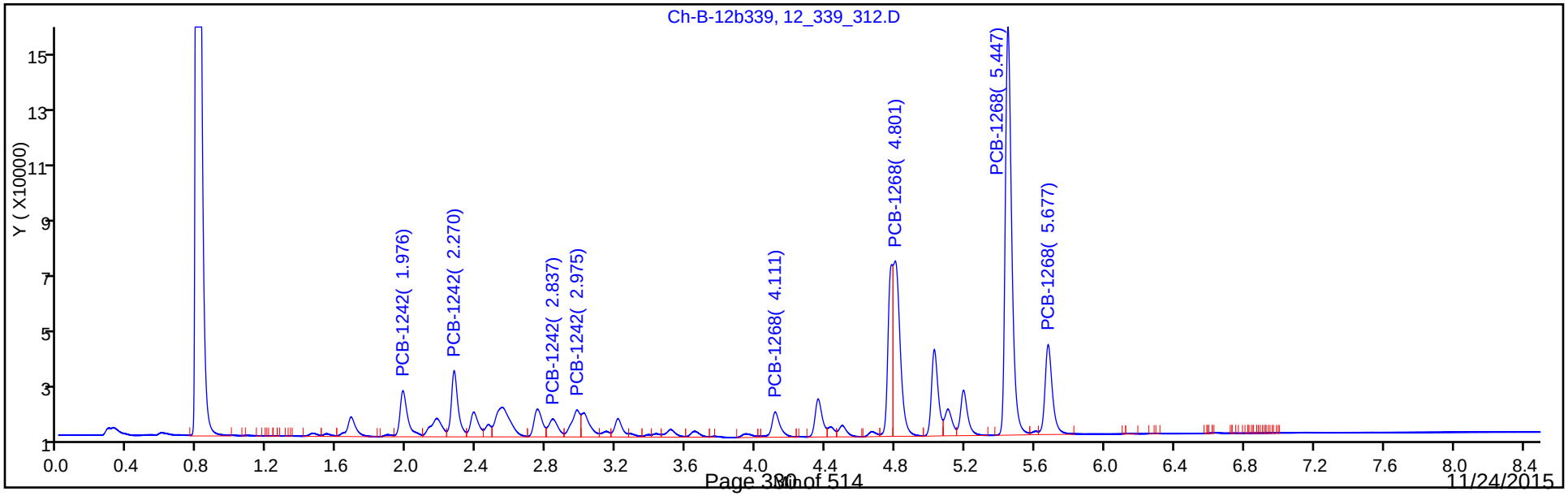
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D

Injection Date:	01-Aug-2015 18:12:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	1.976										1.944 - 2.004	1.976
PCB-1242 Peak 2	2.270										2.237 - 2.297	2.270
PCB-1242 Peak 3	2.837										2.805 - 2.865	2.837
PCB-1242 Peak 4	2.975										2.943 - 3.003	2.975
PCB-1268 Peak 1	4.111										4.080 - 4.140	4.111
PCB-1268 Peak 2	4.801										4.771 - 4.831	4.801
PCB-1268 Peak 3	5.447										5.417 - 5.477	5.447
PCB-1268 Peak 4	5.677										5.645 - 5.705	5.677

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	98868				Ave		98868.0000						20.0			
PCB-1242 Peak 2	125002				Ave		125002.000						20.0			
PCB-1242 Peak 3	47926				Ave		47926.0000						20.0			
PCB-1242 Peak 4	64520				Ave		64520.0000						20.0			
PCB-1268 Peak 1	58944				Ave		58944.0000						20.0			
PCB-1268 Peak 2	341816				Ave		341816.000						20.0			
PCB-1268 Peak 3	735508				Ave		735508.000						20.0			
PCB-1268 Peak 4	185752				Ave		185752.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	49434					0.500				
PCB-1242 Peak 2	Ave	62501					0.500				
PCB-1242 Peak 3	Ave	23963					0.500				
PCB-1242 Peak 4	Ave	32260					0.500				
PCB-1268 Peak 1	Ave	29472					0.500				
PCB-1268 Peak 2	Ave	170908					0.500				
PCB-1268 Peak 3	Ave	367754					0.500				
PCB-1268 Peak 4	Ave	92876					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 18:12:48 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub40

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:23 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:51:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
4 PCB-1242							
1	2.255	2.251	0.004	60554	0.5000	0.5000	
1	2.591	2.590	0.001	97048	0.5000	0.5000	
1	3.037	3.033	0.004	51042	0.5000	0.5000	
1	3.121	3.119	0.002	35460	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.976	1.974	0.002	49434	0.5000	0.5000	
2	2.270	2.267	0.003	62501	0.5000	0.5000	
2	2.837	2.835	0.002	23963	0.5000	0.5000	
2	2.975	2.973	0.002	32260	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	5.235	5.235	0.000	220840	0.5000	0.5000	
1	5.458	5.458	0.000	166316	0.5000	0.5000	
1	5.925	5.925	0.000	486655	0.5000	0.5000	
1	6.223	6.223	0.000	125647	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.111	4.110	0.001	29472	0.5000	0.5000	
2	4.801	4.801	0.000	170908	0.5000	0.5000	
2	5.447	5.447	0.000	367754	0.5000	0.5000	
2	5.677	5.675	0.002	92876	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

42-68w/IS@0.5_00002 Amount Added: 1.00 Units: mL

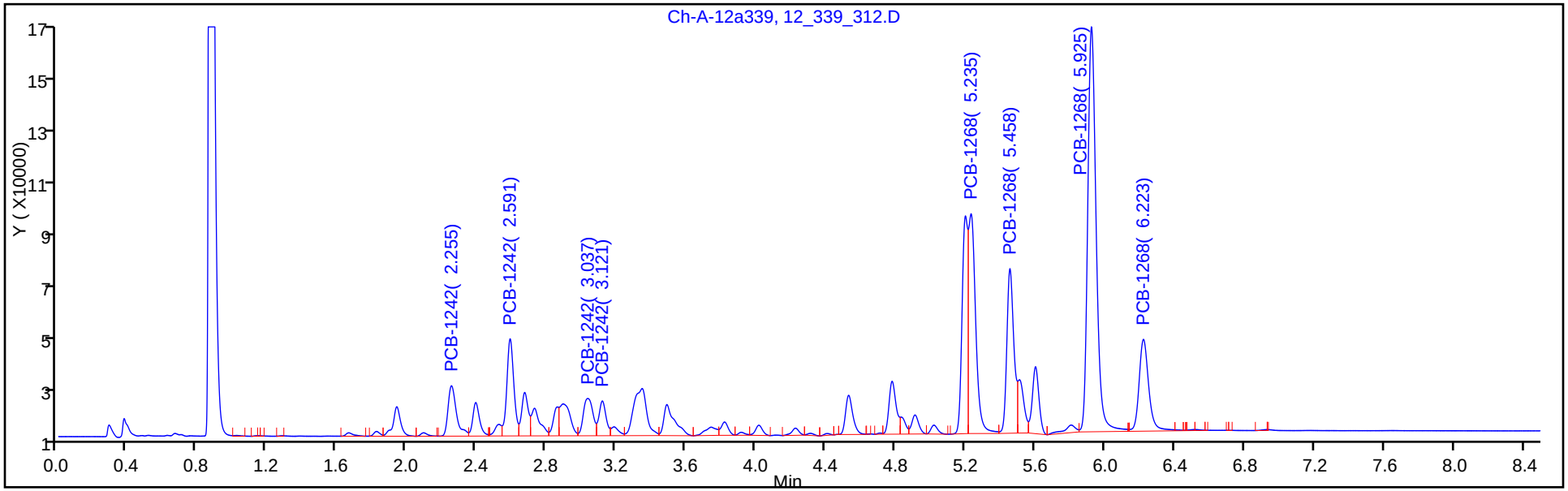
Report Date: 04-Aug-2015 09:08:24 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

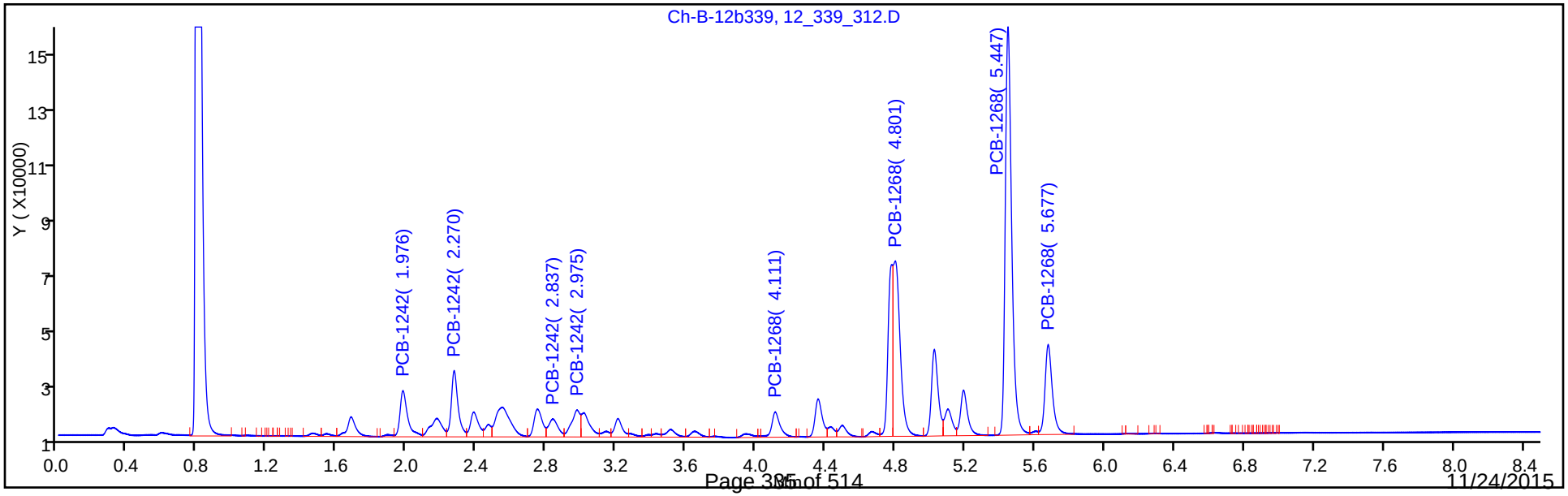
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D

Injection Date:	01-Aug-2015 18:12:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.028										2.993 - 3.053	3.028
PCB-1248 Peak 2	3.119										3.085 - 3.145	3.119
PCB-1248 Peak 3	3.349										3.314 - 3.374	3.349
PCB-1248 Peak 4	3.491										3.456 - 3.516	3.491

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	140246				Ave		140246.000						20.0			
PCB-1248 Peak 2	106608				Ave		106608.000						20.0			
PCB-1248 Peak 3	309982				Ave		309982.000						20.0			
PCB-1248 Peak 4	89716				Ave		89716.0000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	70123					0.500				
PCB-1248 Peak 2	Ave	53304					0.500				
PCB-1248 Peak 3	Ave	154991					0.500				
PCB-1248 Peak 4	Ave	44858					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 19:27:22 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:29 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 04-Aug-2015 08:46:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1248							
1	3.028	3.023	0.005	70123	0.5000	0.5000	
1	3.119	3.115	0.004	53304	0.5000	0.5000	
1	3.349	3.344	0.005	154991	0.5000	0.5000	
1	3.491	3.486	0.005	44858	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	2.745	2.737	0.008	47050	0.5000	0.5000	
2	2.835	2.831	0.004	37689	0.5000	0.5000	
2	2.974	2.969	0.005	58026	0.5000	0.5000	
2	3.209	3.202	0.007	38563	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

1248w/IS@ 0.5_00002 Amount Added: 1.00 Units: mL

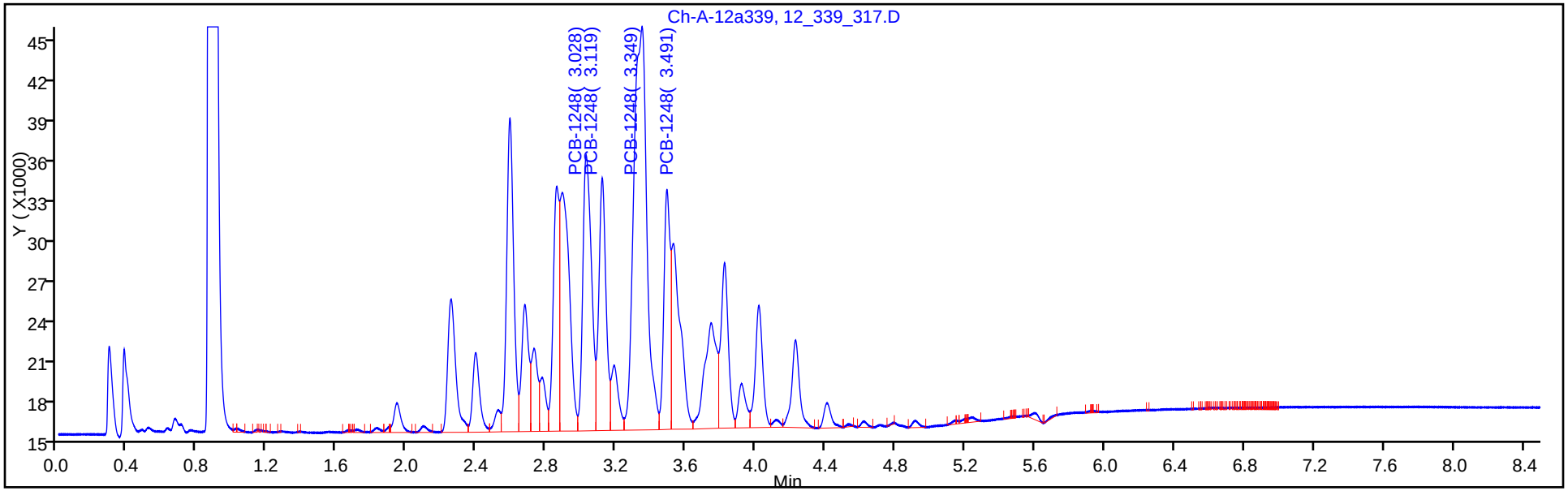
Report Date: 04-Aug-2015 09:08:30 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

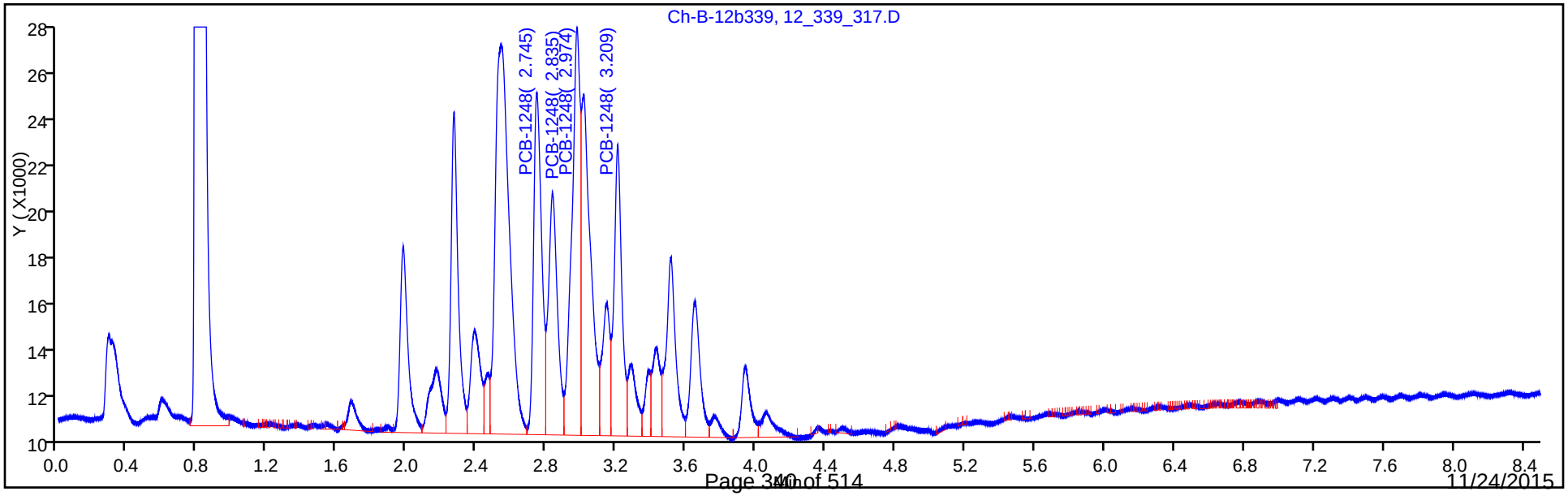
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D

Injection Date:	01-Aug-2015 19:27:22	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.745										2.707 - 2.767	2.745
PCB-1248 Peak 2	2.835										2.801 - 2.861	2.835
PCB-1248 Peak 3	2.974										2.939 - 2.999	2.974
PCB-1248 Peak 4	3.209										3.172 - 3.232	3.209

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	94100				Ave		94100.0000						20.0			
PCB-1248 Peak 2	75378				Ave		75378.0000						20.0			
PCB-1248 Peak 3	116052				Ave		116052.000						20.0			
PCB-1248 Peak 4	77126				Ave		77126.0000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	47050					0.500				
PCB-1248 Peak 2	Ave	37689					0.500				
PCB-1248 Peak 3	Ave	58026					0.500				
PCB-1248 Peak 4	Ave	38563					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 19:27:22 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:29 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 04-Aug-2015 08:46:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1248							
1	3.028	3.023	0.005	70123	0.5000	0.5000	
1	3.119	3.115	0.004	53304	0.5000	0.5000	
1	3.349	3.344	0.005	154991	0.5000	0.5000	
1	3.491	3.486	0.005	44858	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	2.745	2.737	0.008	47050	0.5000	0.5000	
2	2.835	2.831	0.004	37689	0.5000	0.5000	
2	2.974	2.969	0.005	58026	0.5000	0.5000	
2	3.209	3.202	0.007	38563	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

1248w/IS@ 0.5_00002 Amount Added: 1.00 Units: mL

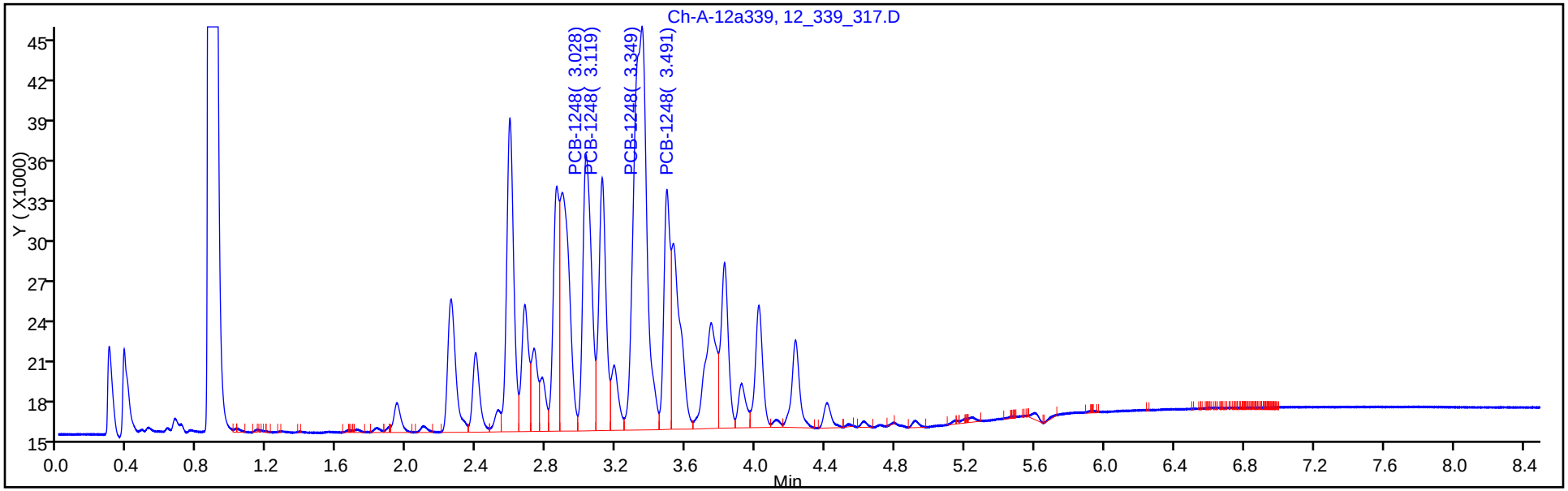
Report Date: 04-Aug-2015 09:08:30 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

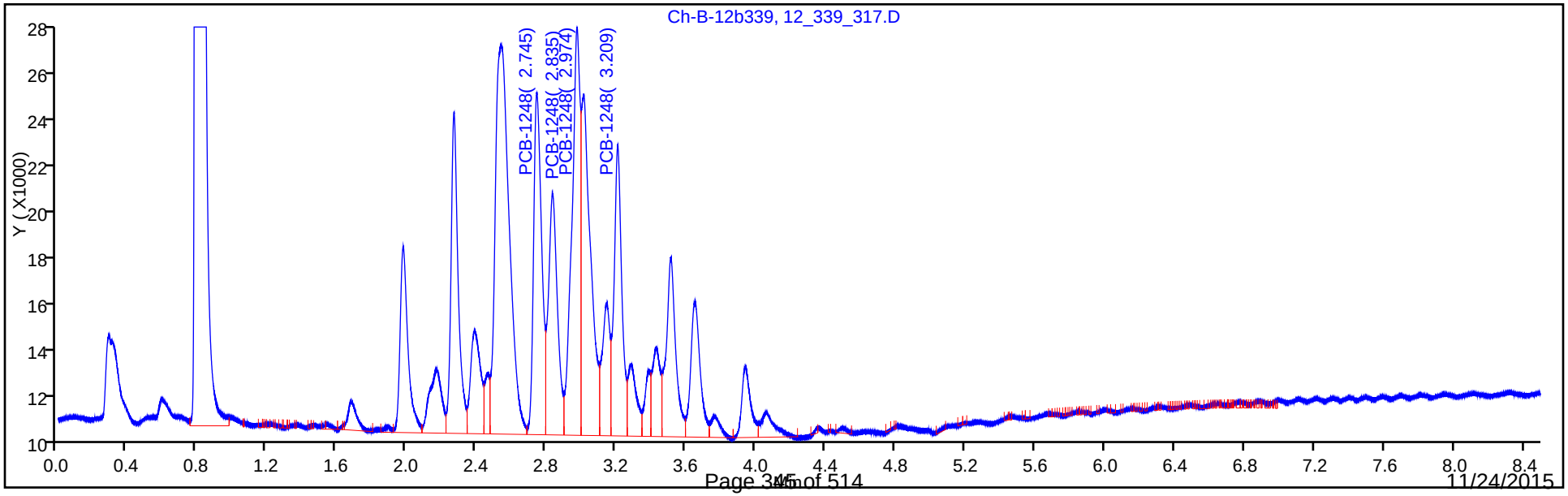
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D

Injection Date:	01-Aug-2015 19:27:22	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/2 Calibration Date: 11/18/2015 13:44

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_236.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	136220		0.477	0.500	-4.6	20.0
PCB-1016 Peak 2	Ave	83149	82908		0.499	0.500	-0.3	20.0
PCB-1016 Peak 3	Ave	238714	216436		0.453	0.500	-9.3	20.0
PCB-1016 Peak 4	Ave	103387	94686		0.458	0.500	-8.4	20.0
PCB-1260 Peak 1	Ave	257130	241536		0.470	0.500	-6.1	20.0
PCB-1260 Peak 2	Ave	221133	216642		0.490	0.500	-2.0	20.0
PCB-1260 Peak 3	Ave	222135	198092		0.446	0.500	-10.8	20.0
PCB-1260 Peak 4	Ave	301440	274392		0.455	0.500	-9.0	20.0
Tetrachloro-m-xylene	Ave	2805591	2526133		0.0270	0.0300	-10.0	20.0
DCB Decachlorobiphenyl	Ave	3471649	2601500		0.0225	0.0300	-25.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/2 Calibration Date: 11/18/2015 13:44

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_236.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.06	4.03	4.09
PCB-1260 Peak 2	4.28	4.25	4.31
PCB-1260 Peak 3	4.41	4.38	4.44
PCB-1260 Peak 4	4.80	4.77	4.83
Tetrachloro-m-xylene	1.58	1.55	1.61
DCB Decachlorobiphenyl	6.09	6.06	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_236.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 13:44:02 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 18-Nov-2015 18:07:32 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK010

First Level Reviewer: sobolk Date: 18-Nov-2015 18:07:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.583	1.583	0.000	75784	0.0300	0.0270	
2	1.221	1.221	0.000	43375	0.0300	0.0289	
						RPD = 6.60	
6 PCB-1016							M
1	2.131	2.131	0.000	68110	0.5000	0.4772	M
1	2.268	2.268	0.000	41454	0.5000	0.4985	
1	2.460	2.460	0.000	108218	0.5000	0.4533	
1	2.541	2.541	0.000	47343	0.5000	0.4579	
		Average of Peak Amounts =				0.4717	
2	1.862	1.862	0.000	59423	0.5000	0.4975	
2	2.146	2.146	0.000	73849	0.5000	0.4915	
2	2.256	2.256	0.000	33116	0.5000	0.4741	
2	2.613	2.613	0.000	37652	0.5000	0.5142	
		Average of Peak Amounts =				0.4943	
						RPD = 4.67	
9 PCB-1260							M
1	4.059	4.059	0.000	120768	0.5000	0.4697	
1	4.277	4.277	0.000	108321	0.5000	0.4898	
1	4.409	4.409	0.000	99046	0.5000	0.4459	
1	4.795	4.795	0.000	137196	0.5000	0.4551	
		Average of Peak Amounts =				0.4651	
2	3.923	3.923	0.000	78919	0.5000	0.5020	
2	4.231	4.231	0.000	45289	0.5000	0.4880	
2	4.370	4.370	0.000	111756	0.5000	0.5218	
2	4.690	4.690	0.000	95415	0.5000	0.5211	M
		Average of Peak Amounts =				0.5082	
						RPD = 8.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.090	6.090	0.000	78045	0.0300	0.0225	
2	5.569	5.569	0.000	70827	0.0300	0.0268	
						RPD = 17.54	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

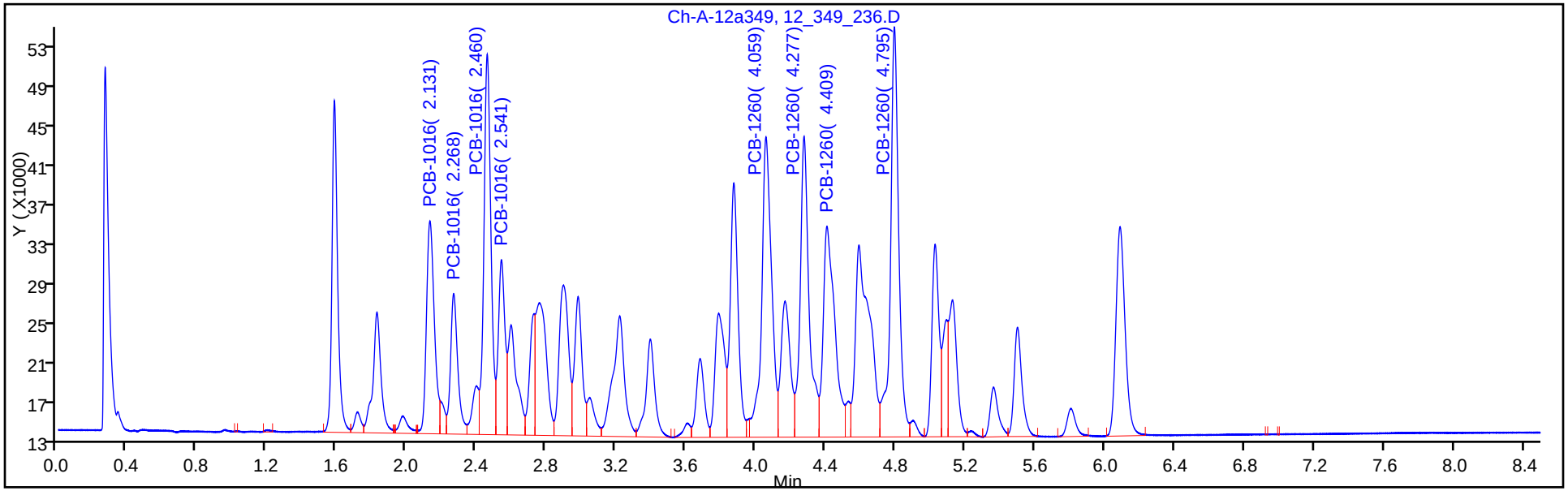
Report Date: 18-Nov-2015 18:07:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

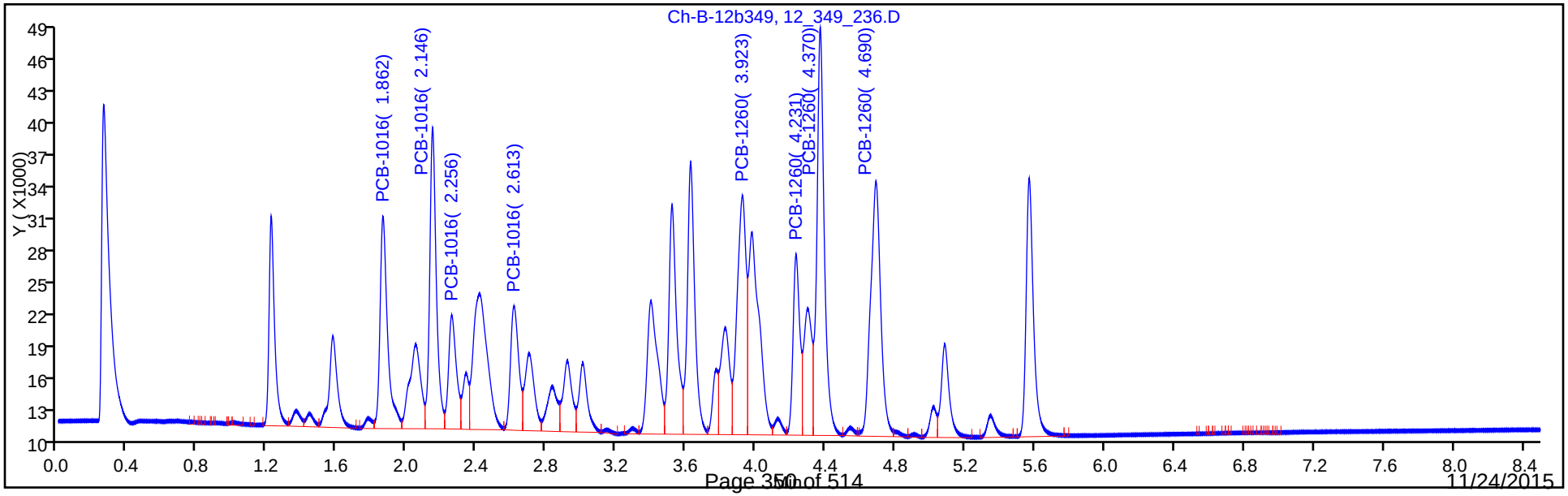
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_236.D

Injection Date:	18-Nov-2015 13:44:02	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



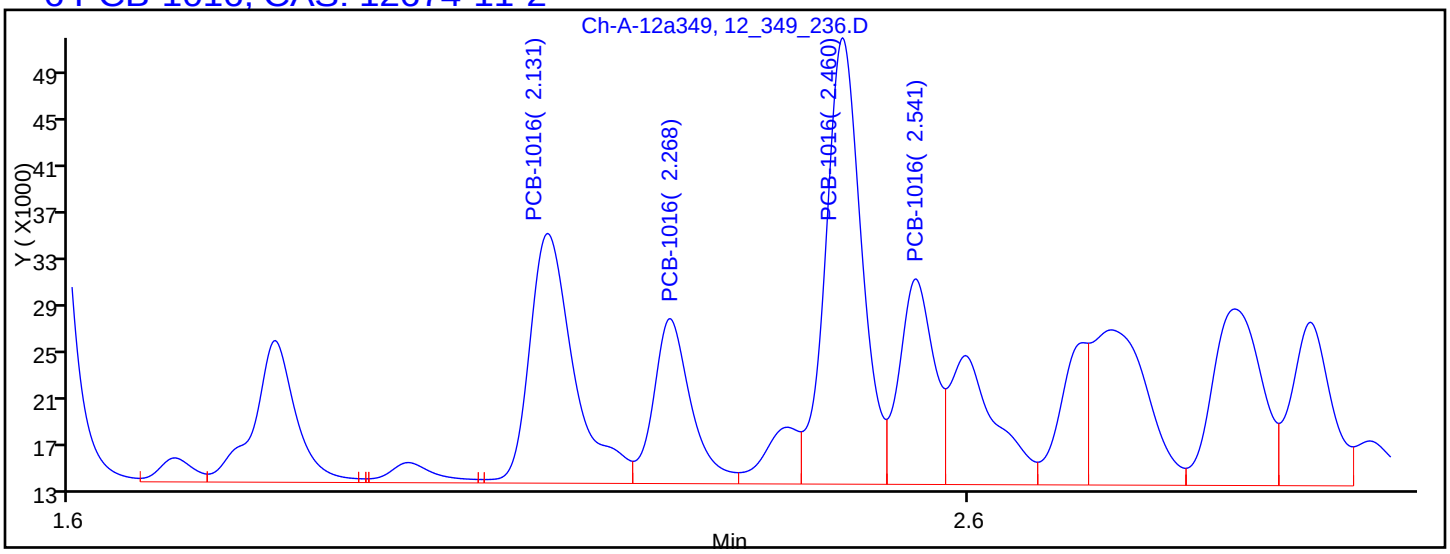
Report Date: 18-Nov-2015 18:07:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_236.D

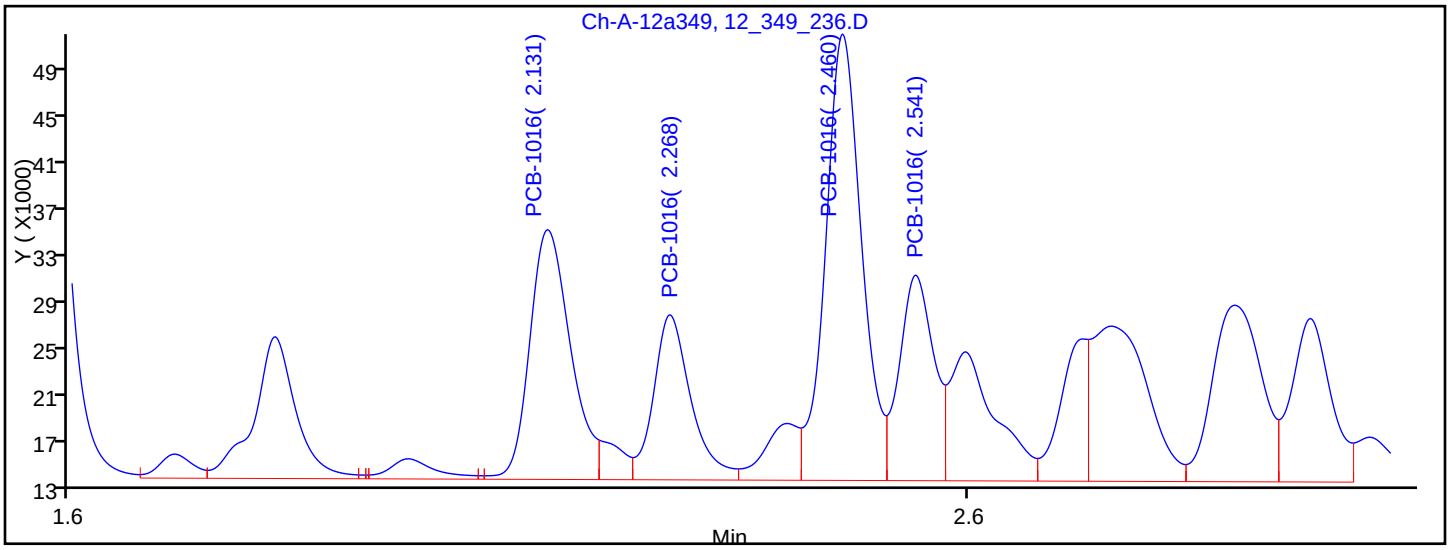
Injection Date:	18-Nov-2015 13:44:02	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-5 (0.25 mm)	Detector	Ch-A-7A136		

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.131	Response = 74275	M
RT = 2.268	Response = 41454	
RT = 2.460	Response = 108218	
RT = 2.541	Response = 47343	



Manual Integration Results

RT = 2.131	Response = 68110	M
RT = 2.268	Response = 41454	
RT = 2.460	Response = 108218	
RT = 2.541	Response = 47343	

Reviewer: sobolk, 18-Nov-2015 14:45:38

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/2 Calibration Date: 11/18/2015 13:44

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_236.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	118846		0.497	0.500	-0.5	20.0
PCB-1016 Peak 2	Ave	150255	147698		0.491	0.500	-1.7	20.0
PCB-1016 Peak 3	Ave	69844	66232		0.474	0.500	-5.2	20.0
PCB-1016 Peak 4	Ave	73226	75304		0.514	0.500	2.8	20.0
PCB-1260 Peak 1	Ave	157198	157838		0.502	0.500	0.4	20.0
PCB-1260 Peak 2	Ave	92802	90578		0.488	0.500	-2.4	20.0
PCB-1260 Peak 3	Ave	214168	223512		0.522	0.500	4.4	20.0
PCB-1260 Peak 4	Ave	183120	190830		0.521	0.500	4.2	20.0
Tetrachloro-m-xylene	Ave	1503189	1445833		0.0289	0.0300	-3.8	20.0
DCB Decachlorobiphenyl	Ave	2642617	2360900		0.0268	0.0300	-10.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/2 Calibration Date: 11/18/2015 13:44

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_236.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.86	1.83	1.89
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.61	2.58	2.64
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.23	4.20	4.26
PCB-1260 Peak 3	4.37	4.34	4.40
PCB-1260 Peak 4	4.69	4.66	4.72
Tetrachloro-m-xylene	1.22	1.19	1.25
DCB Decachlorobiphenyl	5.57	5.54	5.60

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_236.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 13:44:02 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 18-Nov-2015 18:07:32 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK010

First Level Reviewer: sobolk Date: 18-Nov-2015 18:07:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.583	1.583	0.000	75784	0.0300	0.0270	
2	1.221	1.221	0.000	43375	0.0300	0.0289	
						RPD = 6.60	
6 PCB-1016							M
1	2.131	2.131	0.000	68110	0.5000	0.4772	M
1	2.268	2.268	0.000	41454	0.5000	0.4985	
1	2.460	2.460	0.000	108218	0.5000	0.4533	
1	2.541	2.541	0.000	47343	0.5000	0.4579	
		Average of Peak Amounts =				0.4717	
2	1.862	1.862	0.000	59423	0.5000	0.4975	
2	2.146	2.146	0.000	73849	0.5000	0.4915	
2	2.256	2.256	0.000	33116	0.5000	0.4741	
2	2.613	2.613	0.000	37652	0.5000	0.5142	
		Average of Peak Amounts =				0.4943	
						RPD = 4.67	
9 PCB-1260							M
1	4.059	4.059	0.000	120768	0.5000	0.4697	
1	4.277	4.277	0.000	108321	0.5000	0.4898	
1	4.409	4.409	0.000	99046	0.5000	0.4459	
1	4.795	4.795	0.000	137196	0.5000	0.4551	
		Average of Peak Amounts =				0.4651	
2	3.923	3.923	0.000	78919	0.5000	0.5020	
2	4.231	4.231	0.000	45289	0.5000	0.4880	
2	4.370	4.370	0.000	111756	0.5000	0.5218	
2	4.690	4.690	0.000	95415	0.5000	0.5211	M
		Average of Peak Amounts =				0.5082	
						RPD = 8.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.090	6.090	0.000	78045	0.0300	0.0225	
2	5.569	5.569	0.000	70827	0.0300	0.0268	
						RPD = 17.54	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

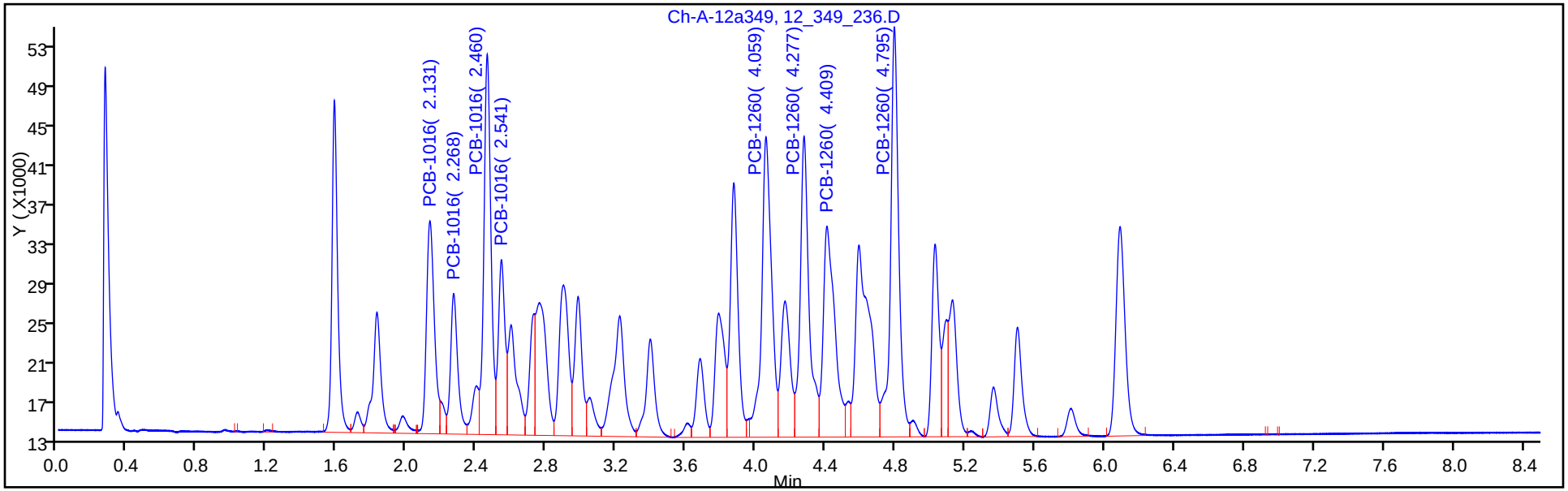
Report Date: 18-Nov-2015 18:07:33 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

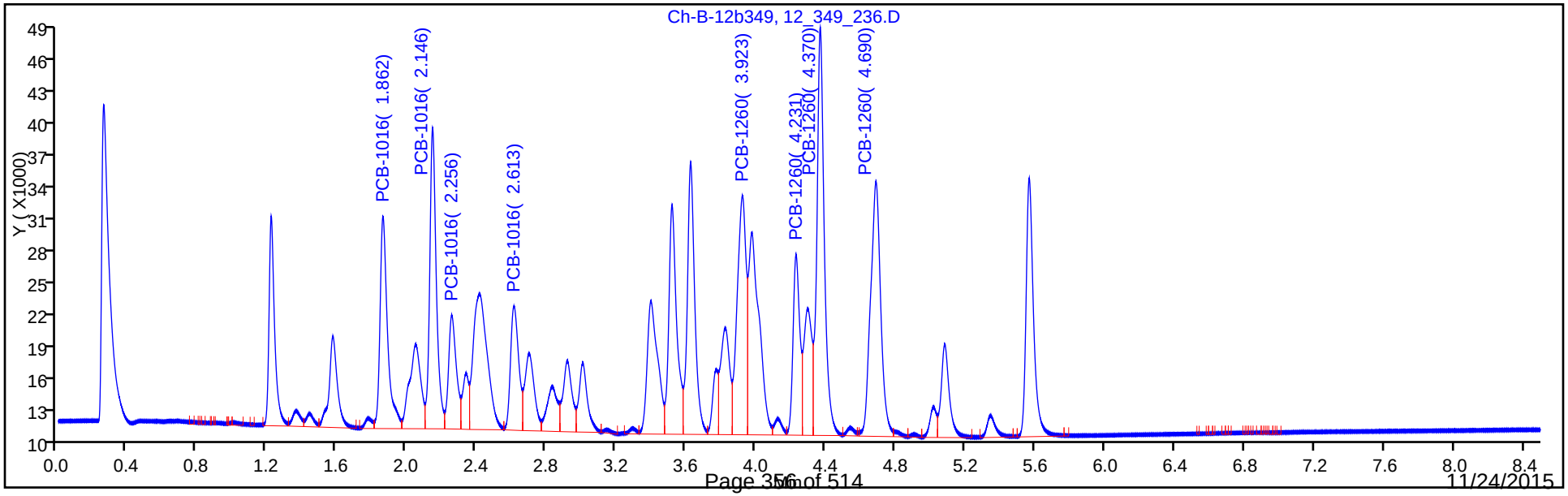
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_236.D

Injection Date:	18-Nov-2015 13:44:02	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 18-Nov-2015 18:07:33 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_236.D

Injection Date: 18-Nov-2015 13:44:02 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

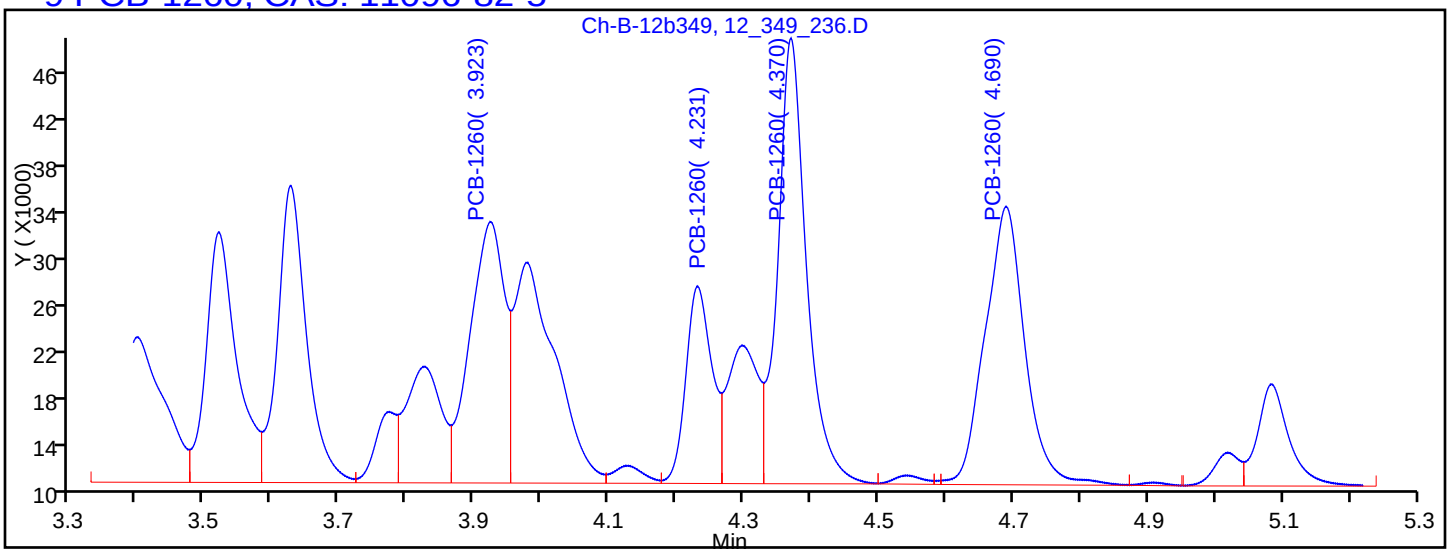
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



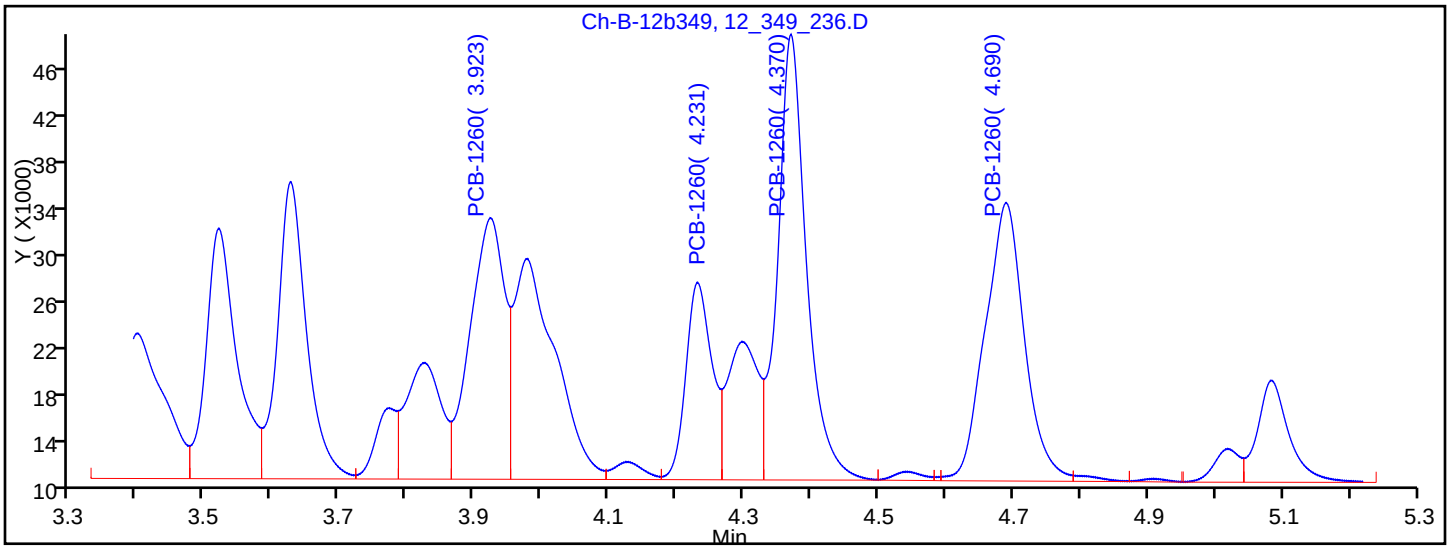
Processing Integration Results

RT = 3.923 Response = 78919

RT = 4.231 Response = 45289

RT = 4.370 Response = 111756

RT = 4.690 Response = 96695 M



Manual Integration Results

RT = 3.923 Response = 78919

RT = 4.231 Response = 45289

RT = 4.370 Response = 111756

RT = 4.690 Response = 95415 M

Reviewer: sobolk, 18-Nov-2015 14:45:38

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/14 Calibration Date: 11/18/2015 16:47

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_248.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	135958		0.476	0.500	-4.7	20.0
PCB-1016 Peak 2	Ave	83149	80546		0.484	0.500	-3.1	20.0
PCB-1016 Peak 3	Ave	238714	217004		0.455	0.500	-9.1	20.0
PCB-1016 Peak 4	Ave	103387	94082		0.455	0.500	-9.0	20.0
PCB-1260 Peak 1	Ave	257130	251332		0.489	0.500	-2.3	20.0
PCB-1260 Peak 2	Ave	221133	219256		0.496	0.500	-0.8	20.0
PCB-1260 Peak 3	Ave	222135	205164		0.462	0.500	-7.6	20.0
PCB-1260 Peak 4	Ave	301440	272652		0.452	0.500	-9.6	20.0
Tetrachloro-m-xylene	Ave	2805591	2594700		0.0277	0.0300	-7.5	20.0
DCB Decachlorobiphenyl	Ave	3471649	2540767		0.0220	0.0300	-26.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/14 Calibration Date: 11/18/2015 16:47

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_248.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.26	2.23	2.29
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.05	4.02	4.08
PCB-1260 Peak 2	4.27	4.24	4.30
PCB-1260 Peak 3	4.40	4.37	4.43
PCB-1260 Peak 4	4.79	4.76	4.82
Tetrachloro-m-xylene	1.58	1.55	1.61
DCB Decachlorobiphenyl	6.08	6.05	6.11

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_248.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 16:47:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 18-Nov-2015 18:07:13 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK010

First Level Reviewer: sobolk Date: 18-Nov-2015 18:07:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	77841	0.0300	0.0277	
2	1.220	1.220	0.000	44167	0.0300	0.0294	
						RPD = 5.73	
6 PCB-1016							M
1	2.126	2.126	0.000	67979	0.5000	0.4763	M
1	2.263	2.263	0.000	40273	0.5000	0.4843	
1	2.455	2.455	0.000	108502	0.5000	0.4545	
1	2.537	2.537	0.000	47041	0.5000	0.4550	
		Average of Peak Amounts =				0.4675	
2	1.859	1.859	0.000	60772	0.5000	0.5088	
2	2.143	2.143	0.000	75553	0.5000	0.5028	
2	2.254	2.254	0.000	33819	0.5000	0.4842	
2	2.611	2.611	0.000	37948	0.5000	0.5182	
		Average of Peak Amounts =				0.5035	
						RPD = 7.41	
9 PCB-1260							M
1	4.053	4.053	0.000	125666	0.5000	0.4887	
1	4.271	4.271	0.000	109628	0.5000	0.4958	
1	4.403	4.403	0.000	102582	0.5000	0.4618	
1	4.789	4.789	0.000	136326	0.5000	0.4522	
		Average of Peak Amounts =				0.4746	
2	3.920	3.920	0.000	80641	0.5000	0.5130	
2	4.227	4.227	0.000	45550	0.5000	0.4908	
2	4.367	4.367	0.000	113708	0.5000	0.5309	
2	4.685	4.685	0.000	98098	0.5000	0.5357	M
		Average of Peak Amounts =				0.5176	
						RPD = 8.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.081	6.081	0.000	76223	0.0300	0.0220	
2	5.564	5.564	0.000	73083	0.0300	0.0277	
						RPD = 22.98	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

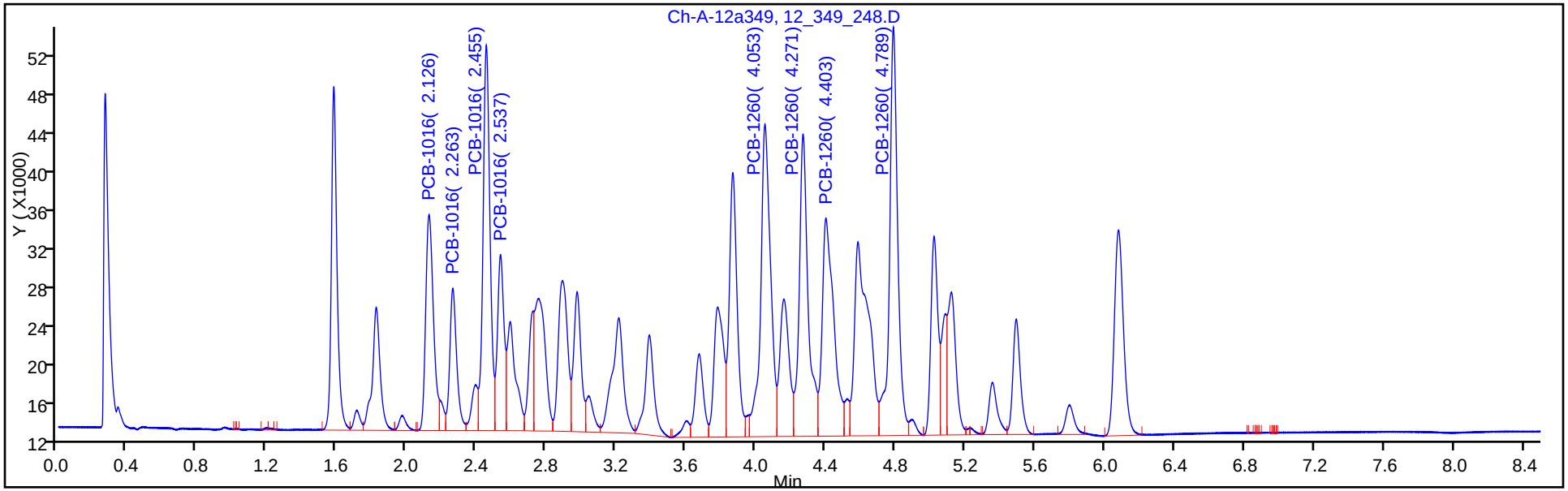
Report Date: 18-Nov-2015 18:07:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

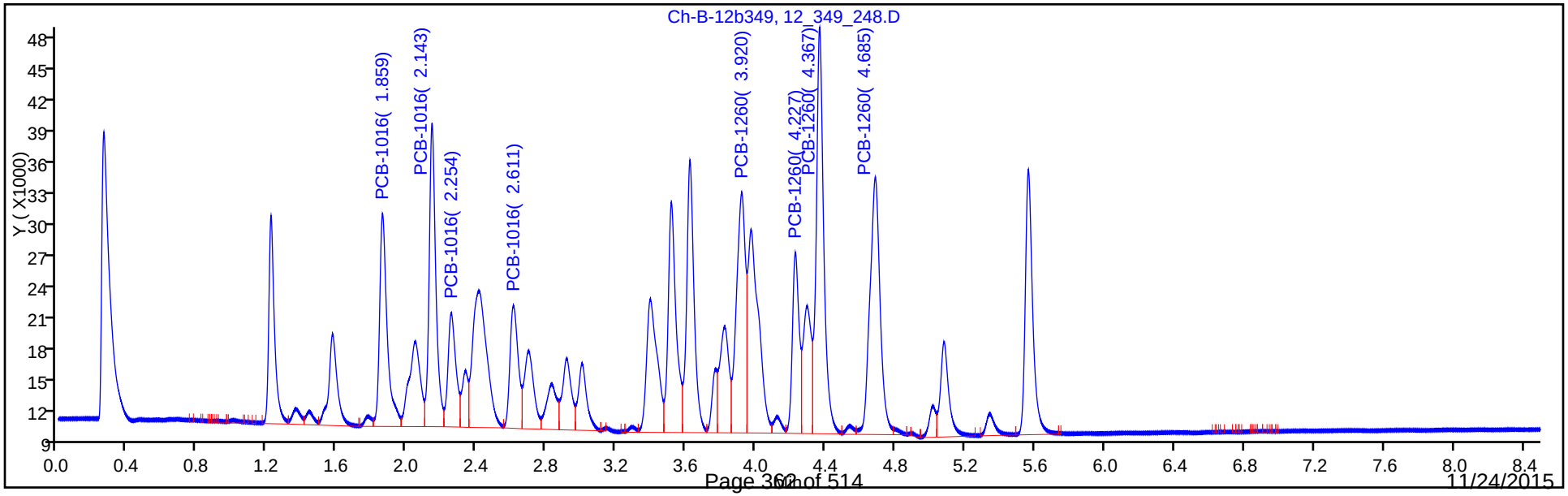
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_248.D

Injection Date:	18-Nov-2015 16:47:54	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)

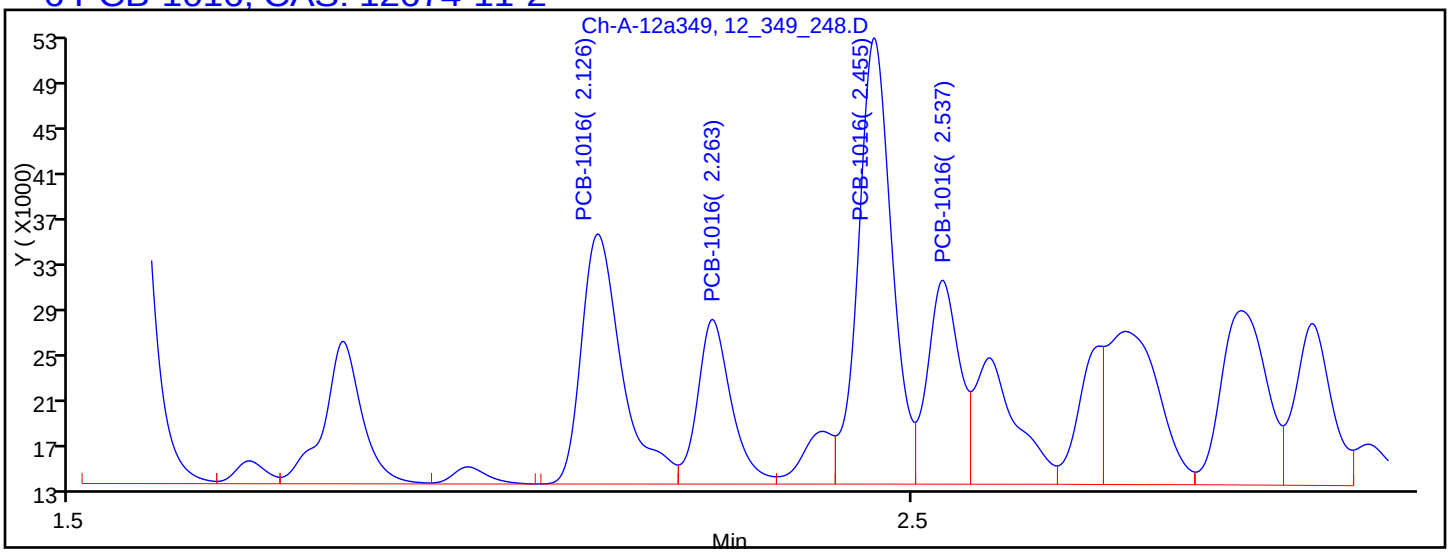


Report Date: 18-Nov-2015 18:07:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

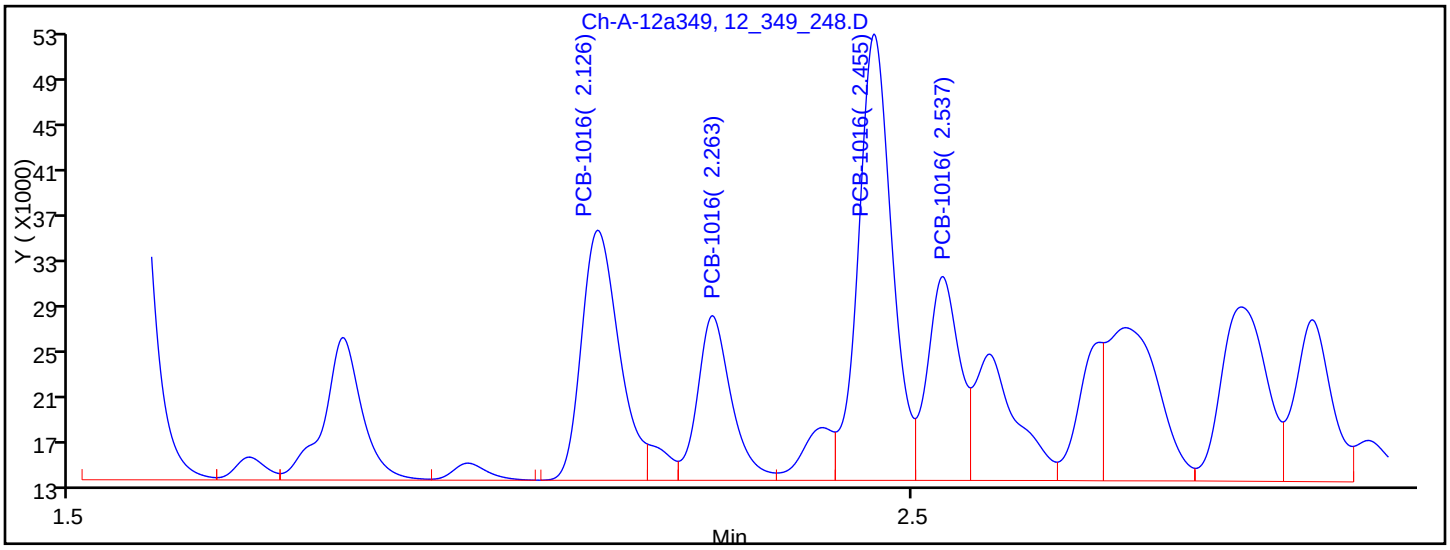
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_248.D
Injection Date: 18-Nov-2015 16:47:54 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.126	Response = 73442	M
RT = 2.263	Response = 40273	
RT = 2.455	Response = 108502	
RT = 2.537	Response = 47041	



Manual Integration Results

RT = 2.126	Response = 67979	M
RT = 2.263	Response = 40273	
RT = 2.455	Response = 108502	
RT = 2.537	Response = 47041	

Reviewer: sobolk, 18-Nov-2015 18:07:13
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/14 Calibration Date: 11/18/2015 16:47

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_248.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	121544		0.509	0.500	1.8	20.0
PCB-1016 Peak 2	Ave	150255	151106		0.503	0.500	0.6	20.0
PCB-1016 Peak 3	Ave	69844	67638		0.484	0.500	-3.2	20.0
PCB-1016 Peak 4	Ave	73226	75896		0.518	0.500	3.6	20.0
PCB-1260 Peak 1	Ave	157198	161282		0.513	0.500	2.6	20.0
PCB-1260 Peak 2	Ave	92802	91100		0.491	0.500	-1.8	20.0
PCB-1260 Peak 3	Ave	214168	227416		0.531	0.500	6.2	20.0
PCB-1260 Peak 4	Ave	183120	196196		0.536	0.500	7.1	20.0
Tetrachloro-m-xylene	Ave	1503189	1472233		0.0294	0.0300	-2.1	20.0
DCB Decachlorobiphenyl	Ave	2642617	2436100		0.0277	0.0300	-7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/14 Calibration Date: 11/18/2015 16:47

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_248.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.86	1.83	1.89
PCB-1016 Peak 2	2.14	2.11	2.17
PCB-1016 Peak 3	2.25	2.22	2.28
PCB-1016 Peak 4	2.61	2.58	2.64
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.23	4.20	4.26
PCB-1260 Peak 3	4.37	4.34	4.40
PCB-1260 Peak 4	4.69	4.66	4.72
Tetrachloro-m-xylene	1.22	1.19	1.25
DCB Decachlorobiphenyl	5.56	5.53	5.59

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_248.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 16:47:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 18-Nov-2015 18:07:13 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK010

First Level Reviewer: sobolk Date: 18-Nov-2015 18:07:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	77841	0.0300	0.0277	
2	1.220	1.220	0.000	44167	0.0300	0.0294	
						RPD = 5.73	
6 PCB-1016							M
1	2.126	2.126	0.000	67979	0.5000	0.4763	M
1	2.263	2.263	0.000	40273	0.5000	0.4843	
1	2.455	2.455	0.000	108502	0.5000	0.4545	
1	2.537	2.537	0.000	47041	0.5000	0.4550	
		Average of Peak Amounts =				0.4675	
2	1.859	1.859	0.000	60772	0.5000	0.5088	
2	2.143	2.143	0.000	75553	0.5000	0.5028	
2	2.254	2.254	0.000	33819	0.5000	0.4842	
2	2.611	2.611	0.000	37948	0.5000	0.5182	
		Average of Peak Amounts =				0.5035	
						RPD = 7.41	
9 PCB-1260							M
1	4.053	4.053	0.000	125666	0.5000	0.4887	
1	4.271	4.271	0.000	109628	0.5000	0.4958	
1	4.403	4.403	0.000	102582	0.5000	0.4618	
1	4.789	4.789	0.000	136326	0.5000	0.4522	
		Average of Peak Amounts =				0.4746	
2	3.920	3.920	0.000	80641	0.5000	0.5130	
2	4.227	4.227	0.000	45550	0.5000	0.4908	
2	4.367	4.367	0.000	113708	0.5000	0.5309	
2	4.685	4.685	0.000	98098	0.5000	0.5357	M
		Average of Peak Amounts =				0.5176	
						RPD = 8.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.081	6.081	0.000	76223	0.0300	0.0220	
2	5.564	5.564	0.000	73083	0.0300	0.0277	
						RPD = 22.98	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

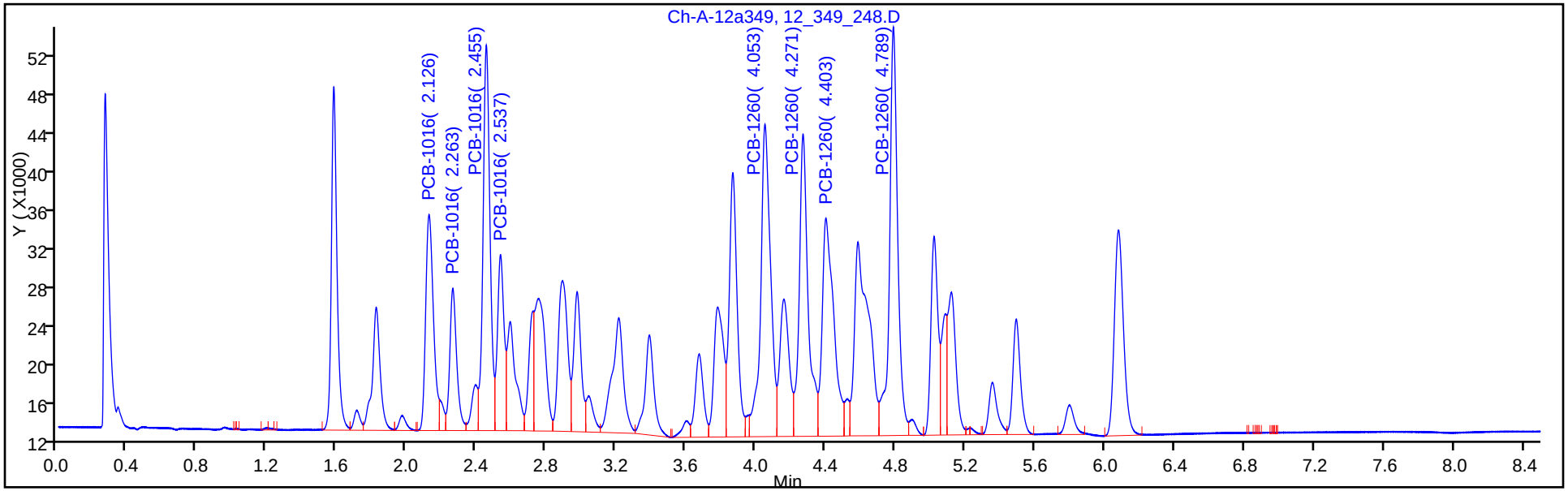
Report Date: 18-Nov-2015 18:07:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

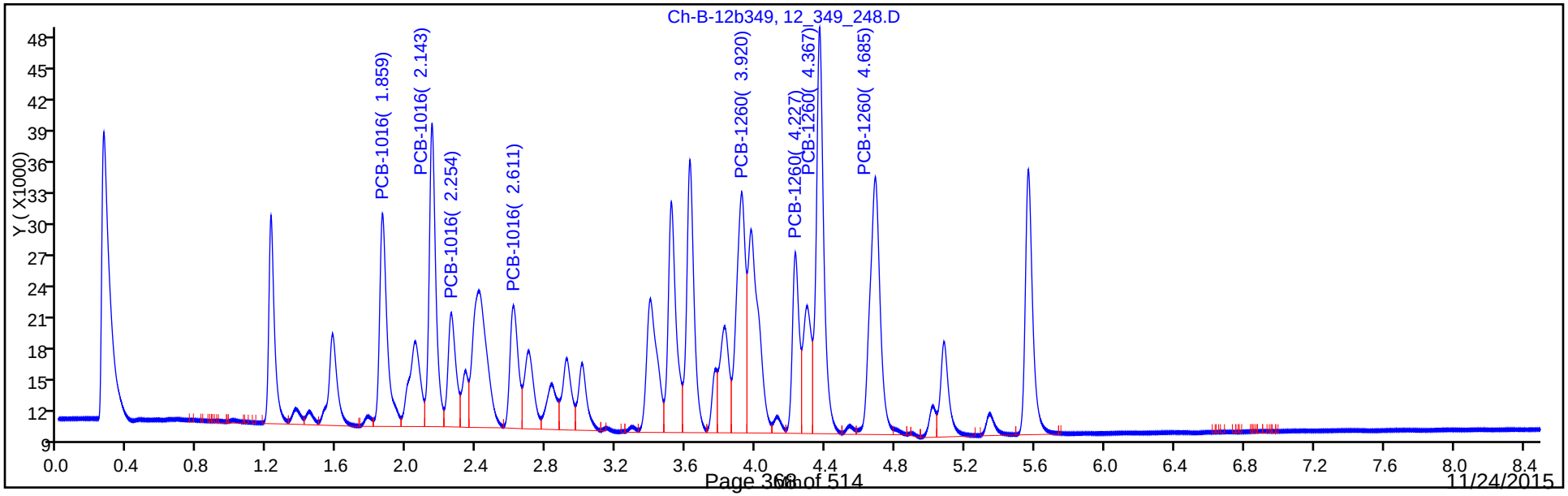
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_248.D

Injection Date:	18-Nov-2015 16:47:54	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



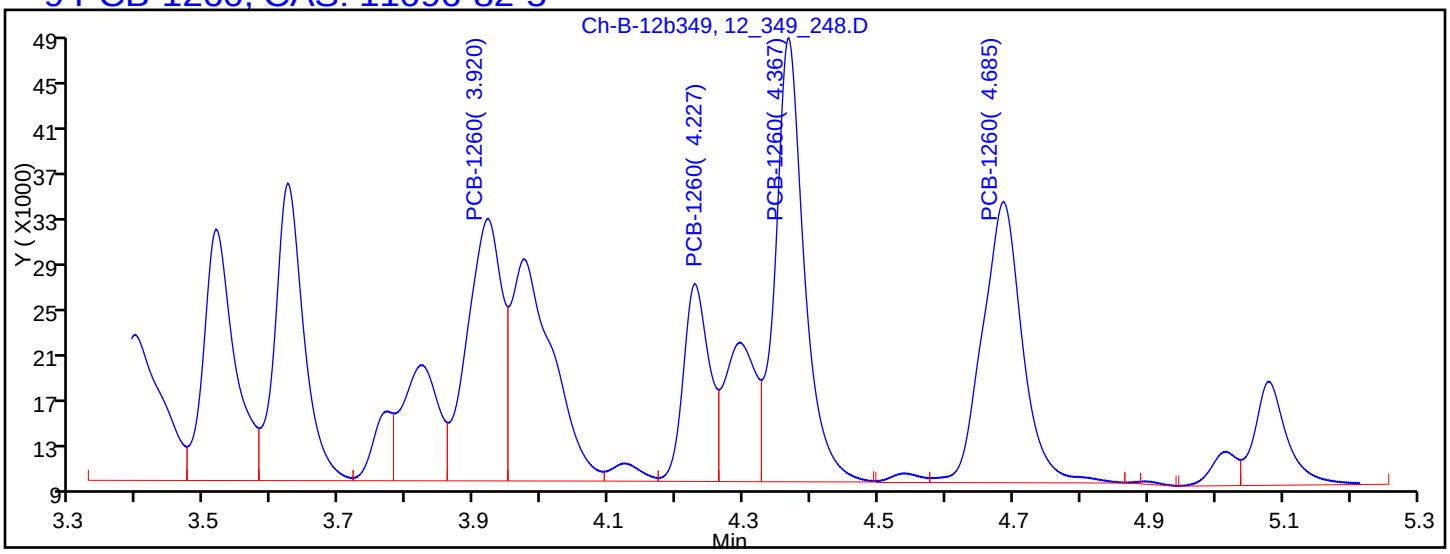
Report Date: 18-Nov-2015 18:07:14 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_248.D

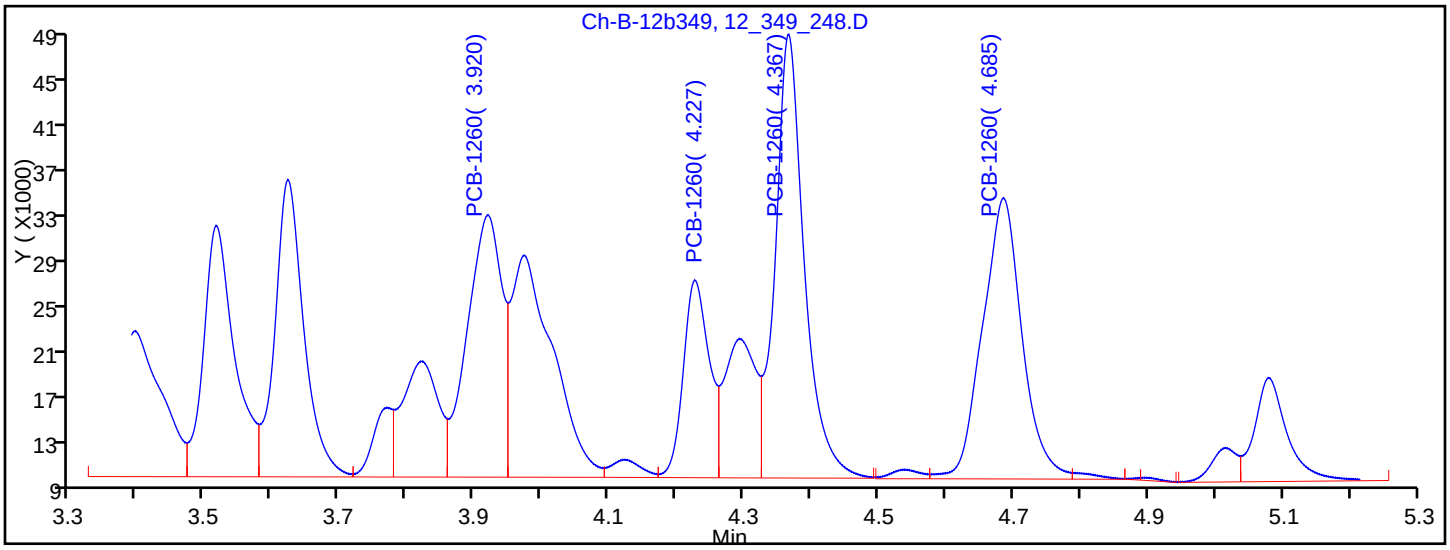
Injection Date:	18-Nov-2015 16:47:54	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 3.920 Response = 80641
RT = 4.227 Response = 45550
RT = 4.367 Response = 113708
RT = 4.685 Response = 99443 M



Manual Integration Results

RT = 3.920 Response = 80641
RT = 4.227 Response = 45550
RT = 4.367 Response = 113708
RT = 4.685 Response = 98098 M

Reviewer: sobolk, 18-Nov-2015 18:07:13
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/26 Calibration Date: 11/18/2015 19:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_260.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	144818		0.507	0.500	1.5	20.0
PCB-1016 Peak 2	Ave	83149	87784		0.528	0.500	5.6	20.0
PCB-1016 Peak 3	Ave	238714	229880		0.481	0.500	-3.7	20.0
PCB-1016 Peak 4	Ave	103387	102198		0.494	0.500	-1.2	20.0
PCB-1260 Peak 1	Ave	257130	254196		0.494	0.500	-1.1	20.0
PCB-1260 Peak 2	Ave	221133	218886		0.495	0.500	-1.0	20.0
PCB-1260 Peak 3	Ave	222135	203042		0.457	0.500	-8.6	20.0
PCB-1260 Peak 4	Ave	301440	269704		0.447	0.500	-10.5	20.0
Tetrachloro-m-xylene	Ave	2805591	2732300		0.0292	0.0300	-2.6	20.0
DCB Decachlorobiphenyl	Ave	3471649	2546500		0.0220	0.0300	-26.6*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/26 Calibration Date: 11/18/2015 19:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_260.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.26	2.23	2.29
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.05	4.02	4.08
PCB-1260 Peak 2	4.27	4.24	4.30
PCB-1260 Peak 3	4.40	4.37	4.43
PCB-1260 Peak 4	4.79	4.76	4.82
Tetrachloro-m-xylene	1.58	1.55	1.61
DCB Decachlorobiphenyl	6.08	6.05	6.11

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_260.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 19:57:19 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 09:53:51 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 09:53:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	81969	0.0300	0.0292	
2	1.221	1.221	0.000	46093	0.0300	0.0307	
						RPD = 4.83	
6 PCB-1016							M
1	2.127	2.127	0.000	72409	0.5000	0.5073	M
1	2.263	2.263	0.000	43892	0.5000	0.5279	
1	2.455	2.455	0.000	114940	0.5000	0.4815	
1	2.537	2.537	0.000	51099	0.5000	0.4942	
		Average of Peak Amounts =				0.5027	
2	1.860	1.860	0.000	62838	0.5000	0.5260	
2	2.144	2.144	0.000	78680	0.5000	0.5236	
2	2.254	2.254	0.000	35457	0.5000	0.5077	
2	2.611	2.611	0.000	38942	0.5000	0.5318	
		Average of Peak Amounts =				0.5223	
						RPD = 3.82	
9 PCB-1260							M
1	4.053	4.053	0.000	127098	0.5000	0.4943	
1	4.271	4.271	0.000	109443	0.5000	0.4949	
1	4.403	4.403	0.000	101521	0.5000	0.4570	
1	4.789	4.789	0.000	134852	0.5000	0.4474	
		Average of Peak Amounts =				0.4734	
2	3.919	3.919	0.000	83173	0.5000	0.5291	
2	4.227	4.227	0.000	47311	0.5000	0.5098	
2	4.365	4.365	0.000	118201	0.5000	0.5519	
2	4.686	4.686	0.000	101349	0.5000	0.5535	M
		Average of Peak Amounts =				0.5361	
						RPD = 12.42	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.078	6.078	0.000	76395	0.0300	0.0220	
2	5.565	5.565	0.000	75147	0.0300	0.0284	
						RPD = 25.50	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

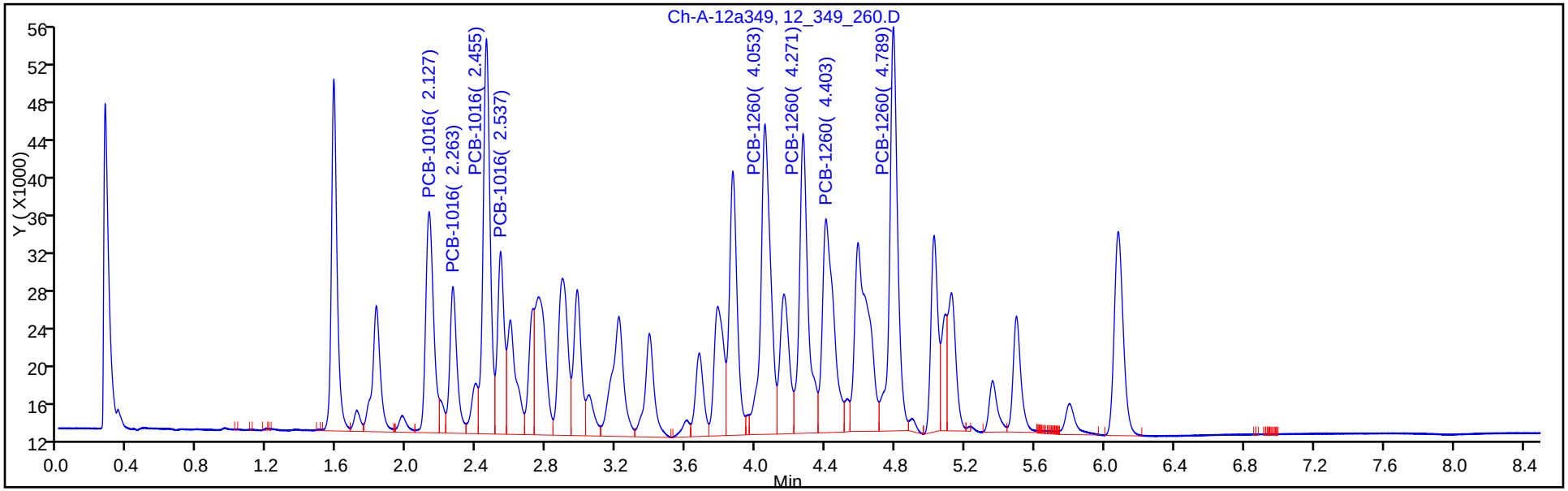
Report Date: 19-Nov-2015 09:53:51 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

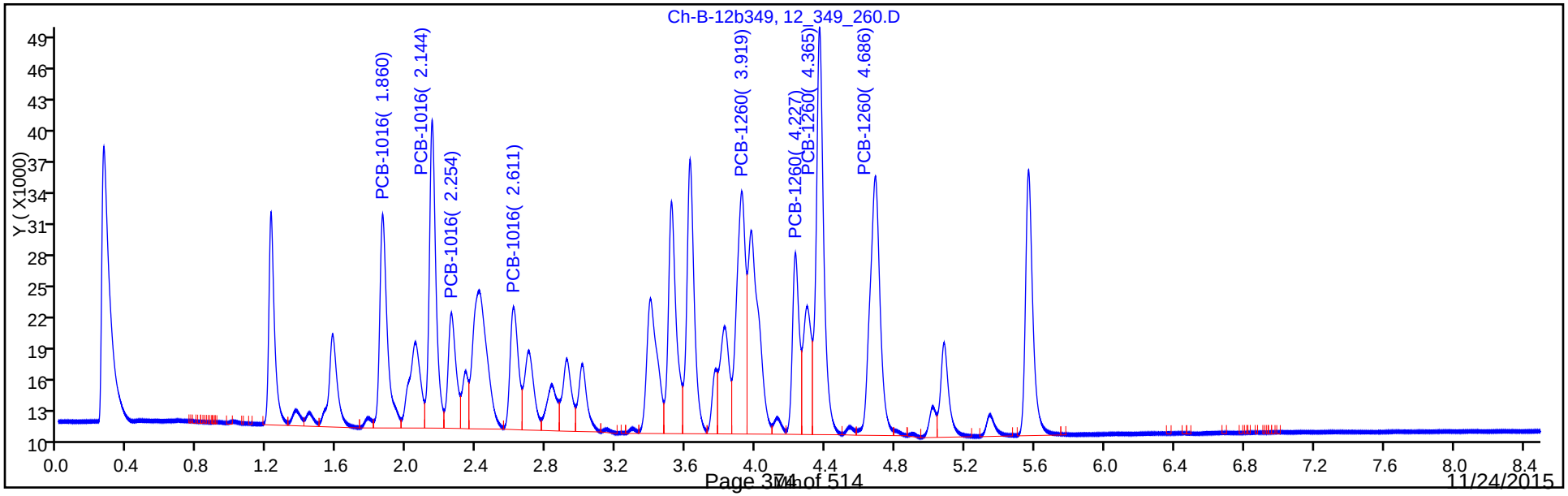
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_260.D

Injection Date:	18-Nov-2015 19:57:19	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)

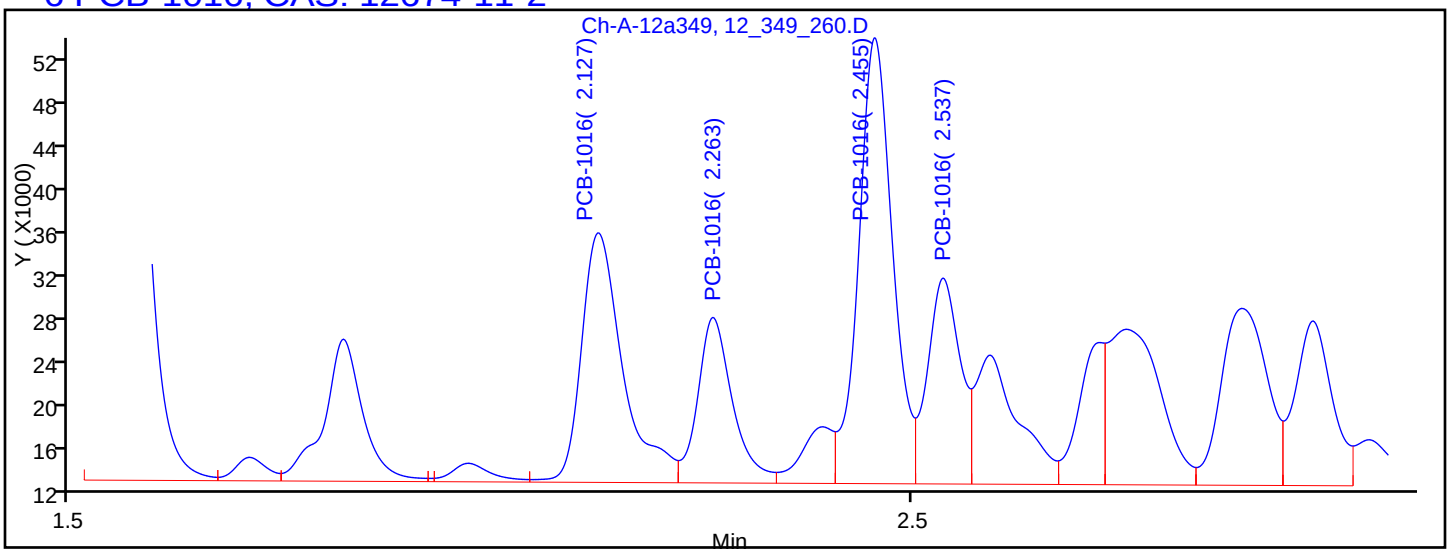


Report Date: 19-Nov-2015 09:53:51 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

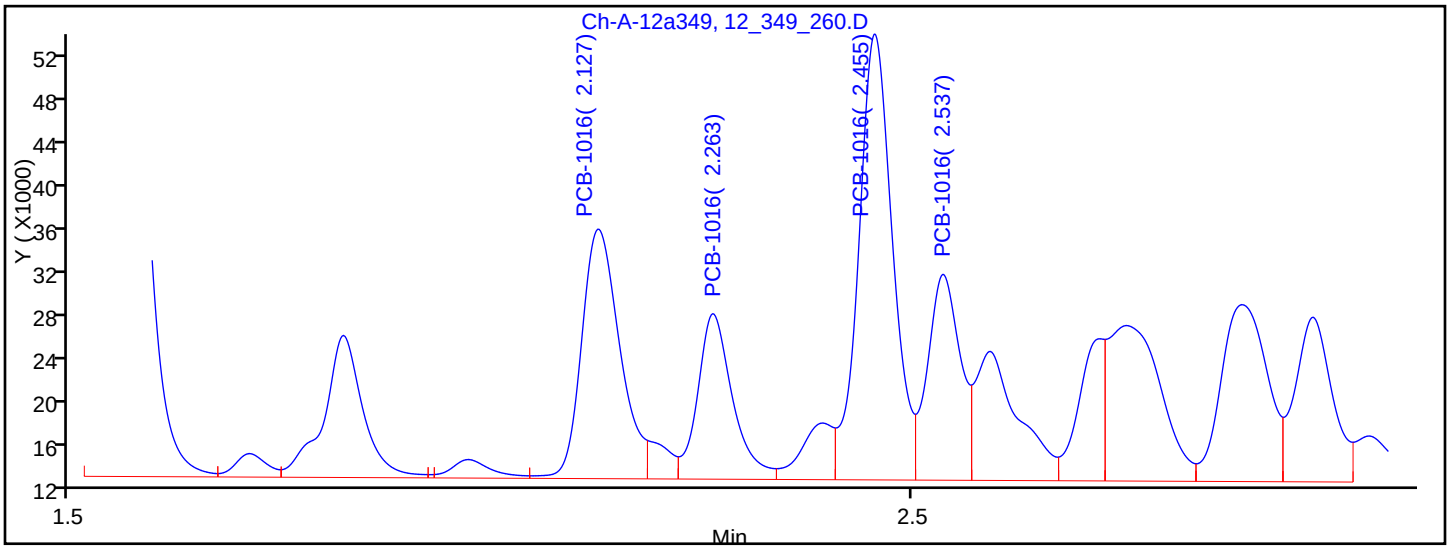
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_260.D
Injection Date: 18-Nov-2015 19:57:19 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.127	Response = 78738	M
RT = 2.263	Response = 43892	
RT = 2.455	Response = 114940	
RT = 2.537	Response = 51099	



Manual Integration Results

RT = 2.127	Response = 72409	M
RT = 2.263	Response = 43892	
RT = 2.455	Response = 114940	
RT = 2.537	Response = 51099	

Reviewer: sobolk, 19-Nov-2015 09:53:51
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/26 Calibration Date: 11/18/2015 19:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_260.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	125676		0.526	0.500	5.2	20.0
PCB-1016 Peak 2	Ave	150255	157360		0.524	0.500	4.7	20.0
PCB-1016 Peak 3	Ave	69844	70914		0.508	0.500	1.5	20.0
PCB-1016 Peak 4	Ave	73226	77884		0.532	0.500	6.4	20.0
PCB-1260 Peak 1	Ave	157198	166346		0.529	0.500	5.8	20.0
PCB-1260 Peak 2	Ave	92802	94622		0.510	0.500	2.0	20.0
PCB-1260 Peak 3	Ave	214168	236402		0.552	0.500	10.4	20.0
PCB-1260 Peak 4	Ave	183120	202698		0.553	0.500	10.7	20.0
Tetrachloro-m-xylene	Ave	1503189	1536433		0.0307	0.0300	2.2	20.0
DCB Decachlorobiphenyl	Ave	2642617	2504900		0.0284	0.0300	-5.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/26 Calibration Date: 11/18/2015 19:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_260.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.86	1.83	1.89
PCB-1016 Peak 2	2.14	2.11	2.17
PCB-1016 Peak 3	2.25	2.22	2.28
PCB-1016 Peak 4	2.61	2.58	2.64
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.23	4.20	4.26
PCB-1260 Peak 3	4.37	4.34	4.40
PCB-1260 Peak 4	4.69	4.66	4.72
Tetrachloro-m-xylene	1.22	1.19	1.25
DCB Decachlorobiphenyl	5.57	5.54	5.60

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_260.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 19:57:19 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 09:53:51 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 09:53:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	81969	0.0300	0.0292	
2	1.221	1.221	0.000	46093	0.0300	0.0307	
						RPD = 4.83	
6 PCB-1016							M
1	2.127	2.127	0.000	72409	0.5000	0.5073	M
1	2.263	2.263	0.000	43892	0.5000	0.5279	
1	2.455	2.455	0.000	114940	0.5000	0.4815	
1	2.537	2.537	0.000	51099	0.5000	0.4942	
		Average of Peak Amounts =				0.5027	
2	1.860	1.860	0.000	62838	0.5000	0.5260	
2	2.144	2.144	0.000	78680	0.5000	0.5236	
2	2.254	2.254	0.000	35457	0.5000	0.5077	
2	2.611	2.611	0.000	38942	0.5000	0.5318	
		Average of Peak Amounts =				0.5223	
						RPD = 3.82	
9 PCB-1260							M
1	4.053	4.053	0.000	127098	0.5000	0.4943	
1	4.271	4.271	0.000	109443	0.5000	0.4949	
1	4.403	4.403	0.000	101521	0.5000	0.4570	
1	4.789	4.789	0.000	134852	0.5000	0.4474	
		Average of Peak Amounts =				0.4734	
2	3.919	3.919	0.000	83173	0.5000	0.5291	
2	4.227	4.227	0.000	47311	0.5000	0.5098	
2	4.365	4.365	0.000	118201	0.5000	0.5519	
2	4.686	4.686	0.000	101349	0.5000	0.5535	M
		Average of Peak Amounts =				0.5361	
						RPD = 12.42	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.078	6.078	0.000	76395	0.0300	0.0220	
2	5.565	5.565	0.000	75147	0.0300	0.0284	
						RPD = 25.50	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

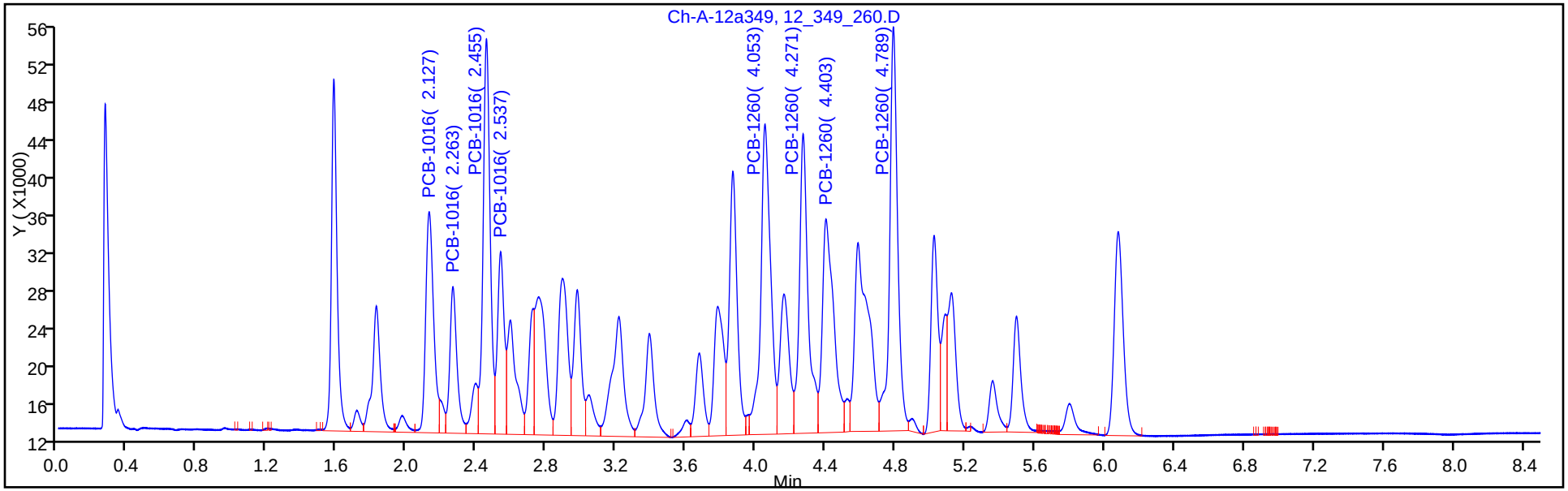
Report Date: 19-Nov-2015 09:53:52 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

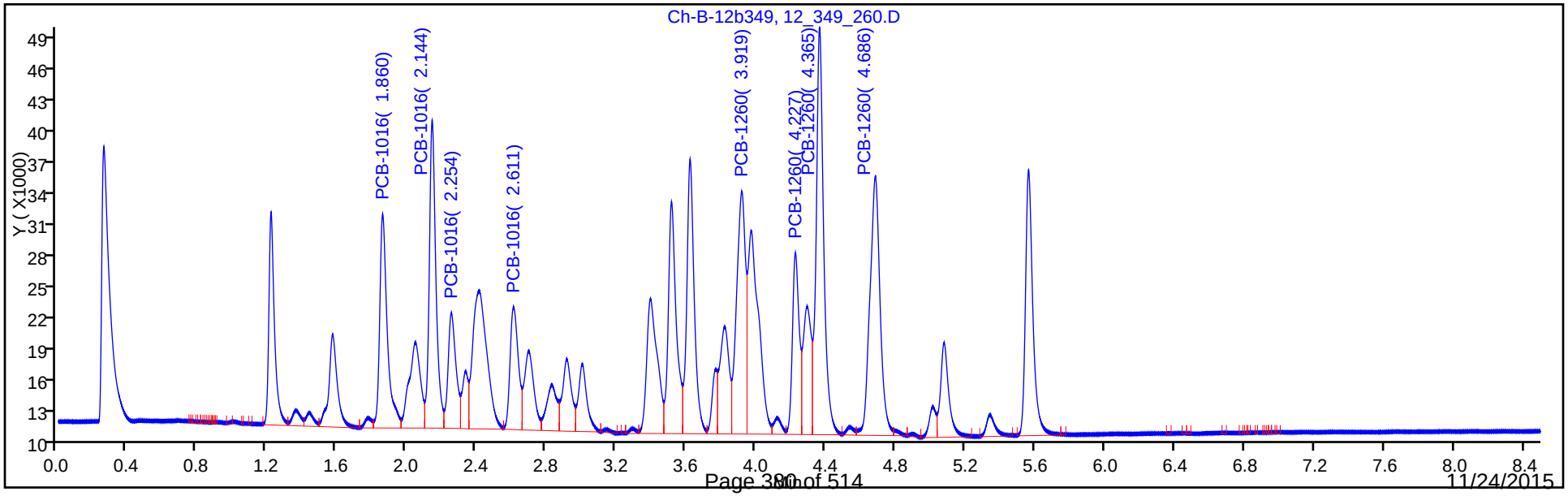
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_260.D

Injection Date:	18-Nov-2015 19:57:19	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



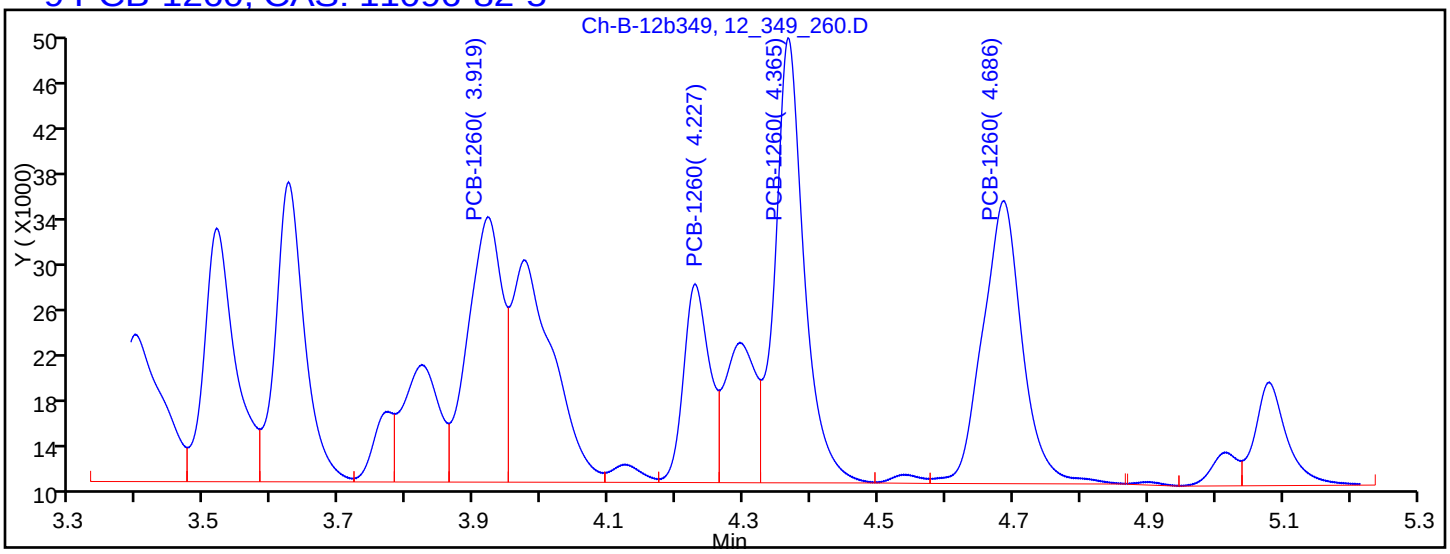
Report Date: 19-Nov-2015 09:53:52 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_260.D

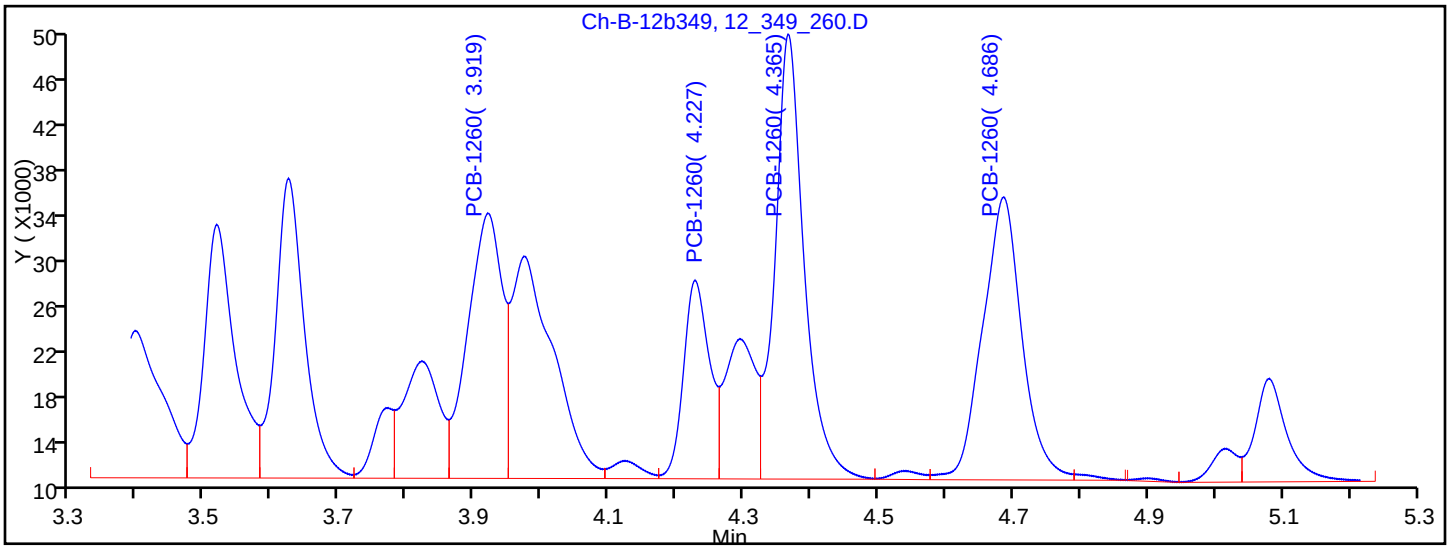
Injection Date:	18-Nov-2015 19:57:19	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 3.919	Response = 83173	
RT = 4.227	Response = 47311	
RT = 4.365	Response = 118201	
RT = 4.686	Response = 102572	M



Manual Integration Results

RT = 3.919	Response = 83173	
RT = 4.227	Response = 47311	
RT = 4.365	Response = 118201	
RT = 4.686	Response = 101349	M

Reviewer: sobolk, 19-Nov-2015 09:53:51

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/38 Calibration Date: 11/18/2015 23:06

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_272.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	141778		0.497	0.500	-0.7	20.0
PCB-1016 Peak 2	Ave	83149	86158		0.518	0.500	3.6	20.0
PCB-1016 Peak 3	Ave	238714	229868		0.481	0.500	-3.7	20.0
PCB-1016 Peak 4	Ave	103387	101734		0.492	0.500	-1.6	20.0
PCB-1260 Peak 1	Ave	257130	255964		0.498	0.500	-0.5	20.0
PCB-1260 Peak 2	Ave	221133	228256		0.516	0.500	3.2	20.0
PCB-1260 Peak 3	Ave	222135	210938		0.475	0.500	-5.0	20.0
PCB-1260 Peak 4	Ave	301440	290384		0.482	0.500	-3.7	20.0
Tetrachloro-m-xylene	Ave	2805591	2683167		0.0287	0.0300	-4.4	20.0
DCB Decachlorobiphenyl	Ave	3471649	2776067		0.0240	0.0300	-20.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/38 Calibration Date: 11/18/2015 23:06

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_272.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.06	4.03	4.09
PCB-1260 Peak 2	4.28	4.25	4.31
PCB-1260 Peak 3	4.42	4.39	4.45
PCB-1260 Peak 4	4.80	4.77	4.83
Tetrachloro-m-xylene	1.59	1.56	1.62
DCB Decachlorobiphenyl	6.10	6.07	6.13

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_272.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 23:06:35 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:35:59 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:35:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.585	1.585	0.000	80495	0.0300	0.0287	
2	1.223	1.223	0.000	47112	0.0300	0.0313	
						RPD = 8.83	
6 PCB-1016							M
1	2.132	2.132	0.000	70889	0.5000	0.4967	M
1	2.269	2.269	0.000	43079	0.5000	0.5181	
1	2.461	2.461	0.000	114934	0.5000	0.4815	
1	2.543	2.543	0.000	50867	0.5000	0.4920	
		Average of Peak Amounts =				0.4971	
2	1.865	1.865	0.000	63601	0.5000	0.5324	
2	2.151	2.151	0.000	79751	0.5000	0.5308	
2	2.261	2.261	0.000	35761	0.5000	0.5120	
2	2.617	2.617	0.000	38771	0.5000	0.5295	
		Average of Peak Amounts =				0.5262	
						RPD = 5.69	
9 PCB-1260							M
1	4.064	4.064	0.000	127982	0.5000	0.4977	
1	4.283	4.283	0.000	114128	0.5000	0.5161	
1	4.415	4.415	0.000	105469	0.5000	0.4748	
1	4.803	4.803	0.000	145192	0.5000	0.4817	
		Average of Peak Amounts =				0.4926	
2	3.932	3.932	0.000	85069	0.5000	0.5412	
2	4.239	4.239	0.000	47189	0.5000	0.5085	
2	4.379	4.379	0.000	118169	0.5000	0.5518	
2	4.699	4.699	0.000	101235	0.5000	0.5528	M
		Average of Peak Amounts =				0.5386	
						RPD = 8.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.103	6.103	0.000	83282	0.0300	0.0240	
2	5.580	5.580	0.000	73913	0.0300	0.0280	
						RPD = 15.32	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

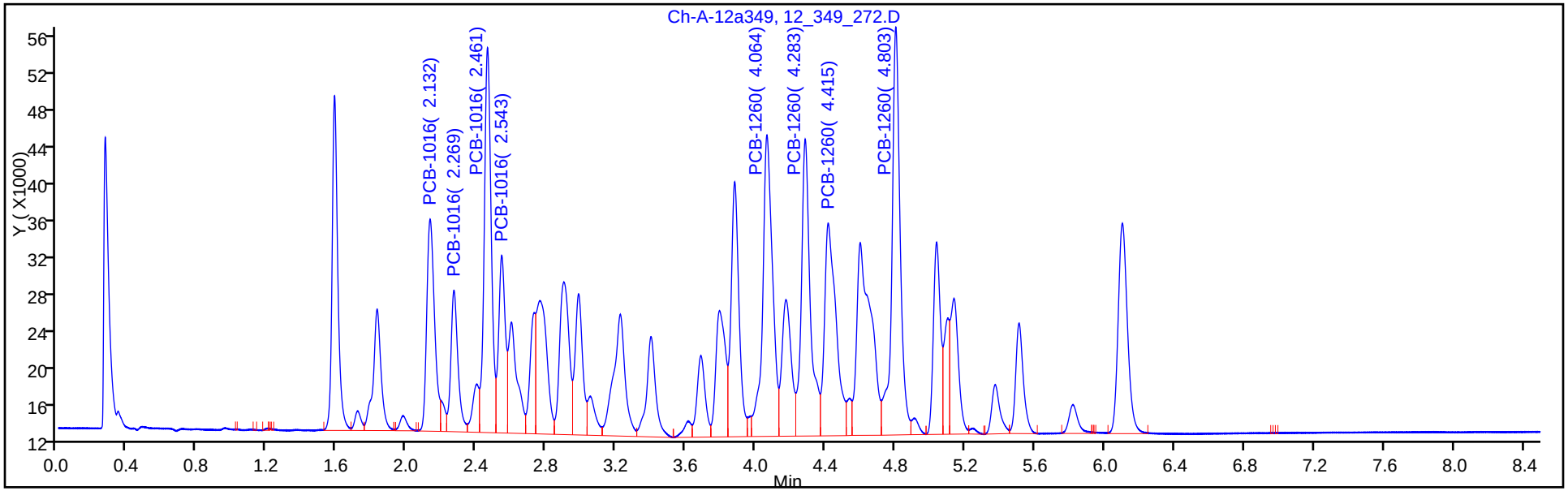
Report Date: 19-Nov-2015 10:36:00 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

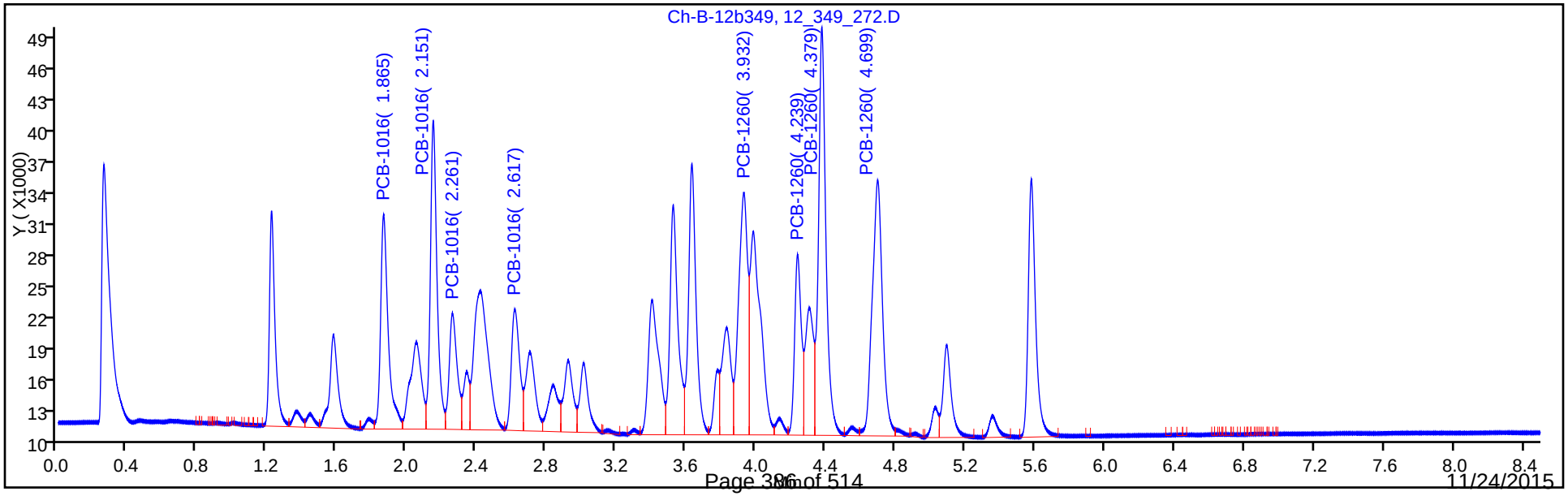
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_272.D

Injection Date:	18-Nov-2015 23:06:35	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	38
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)

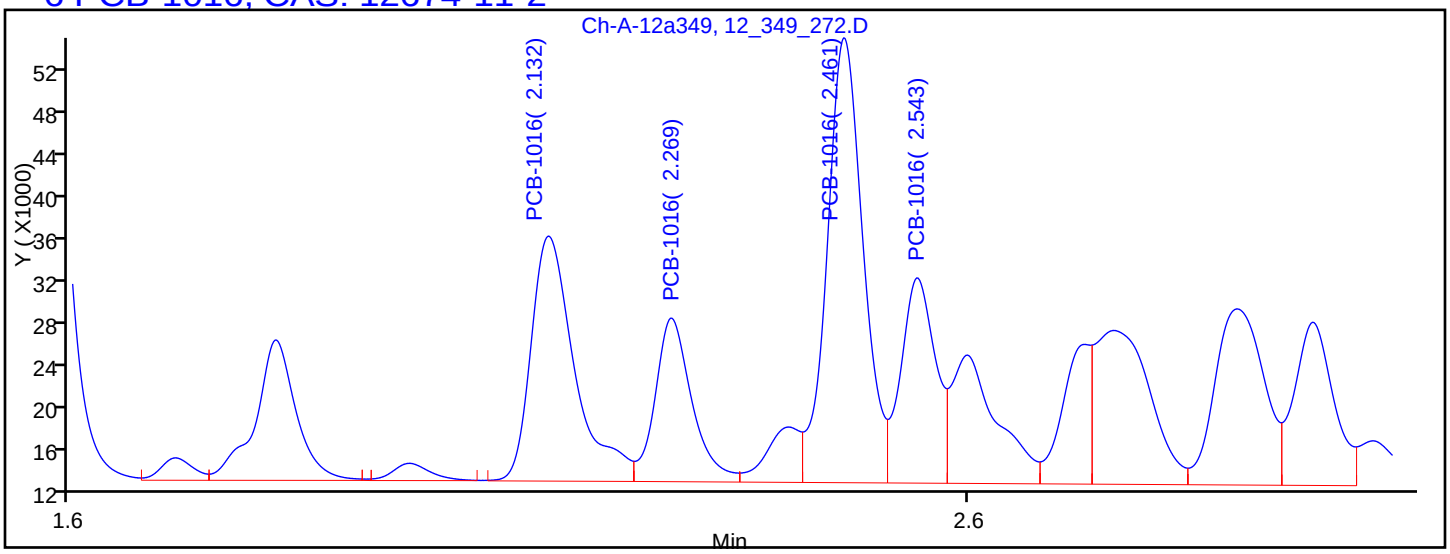


Report Date: 19-Nov-2015 10:36:00 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

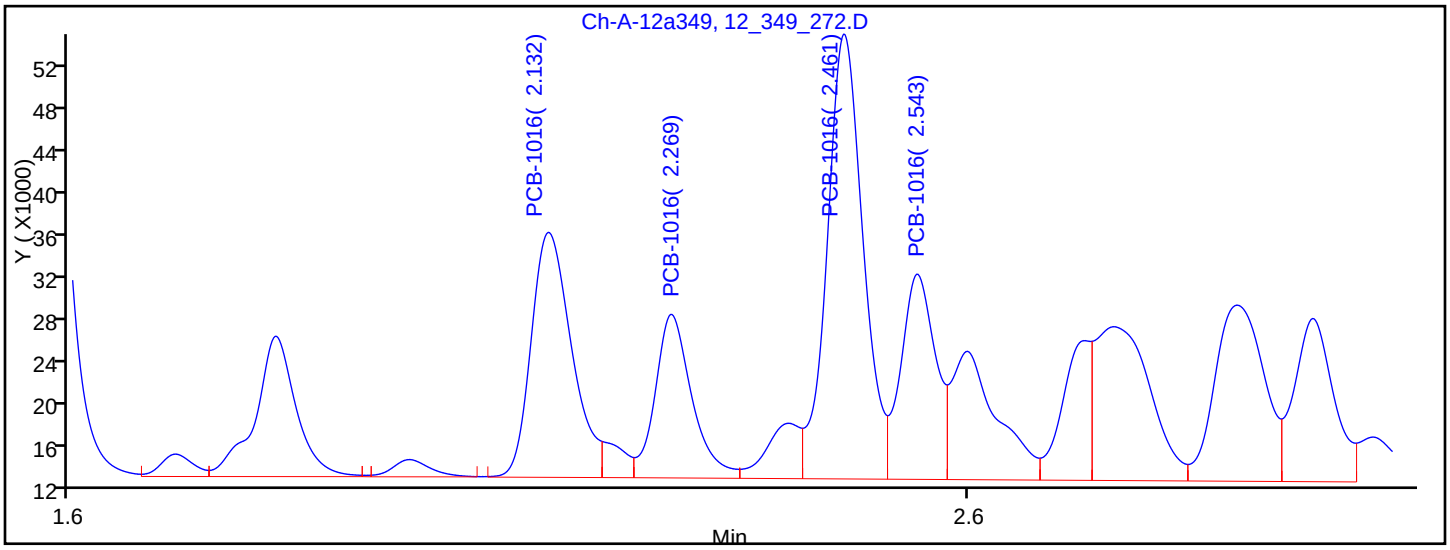
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_272.D
Injection Date: 18-Nov-2015 23:06:35 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.132 Response = 76617 M
RT = 2.269 Response = 43079
RT = 2.461 Response = 114934
RT = 2.543 Response = 50867



Manual Integration Results

RT = 2.132 Response = 70889 M
RT = 2.269 Response = 43079
RT = 2.461 Response = 114934
RT = 2.543 Response = 50867

Reviewer: sobolk, 19-Nov-2015 10:35:59
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/38 Calibration Date: 11/18/2015 23:06

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_272.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	127202		0.532	0.500	6.5	20.0
PCB-1016 Peak 2	Ave	150255	159502		0.531	0.500	6.2	20.0
PCB-1016 Peak 3	Ave	69844	71522		0.512	0.500	2.4	20.0
PCB-1016 Peak 4	Ave	73226	77542		0.529	0.500	5.9	20.0
PCB-1260 Peak 1	Ave	157198	170138		0.541	0.500	8.2	20.0
PCB-1260 Peak 2	Ave	92802	94378		0.508	0.500	1.7	20.0
PCB-1260 Peak 3	Ave	214168	236338		0.552	0.500	10.4	20.0
PCB-1260 Peak 4	Ave	183120	202470		0.553	0.500	10.6	20.0
Tetrachloro-m-xylene	Ave	1503189	1570400		0.0313	0.0300	4.5	20.0
DCB Decachlorobiphenyl	Ave	2642617	2463767		0.0280	0.0300	-6.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/38 Calibration Date: 11/18/2015 23:06

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_272.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.87	1.84	1.90
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.62	2.59	2.65
PCB-1260 Peak 1	3.93	3.90	3.96
PCB-1260 Peak 2	4.24	4.21	4.27
PCB-1260 Peak 3	4.38	4.35	4.41
PCB-1260 Peak 4	4.70	4.67	4.73
Tetrachloro-m-xylene	1.22	1.19	1.25
DCB Decachlorobiphenyl	5.58	5.55	5.61

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_272.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Nov-2015 23:06:35 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:35:59 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:35:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.585	1.585	0.000	80495	0.0300	0.0287	
2	1.223	1.223	0.000	47112	0.0300	0.0313	
						RPD = 8.83	
6 PCB-1016							M
1	2.132	2.132	0.000	70889	0.5000	0.4967	M
1	2.269	2.269	0.000	43079	0.5000	0.5181	
1	2.461	2.461	0.000	114934	0.5000	0.4815	
1	2.543	2.543	0.000	50867	0.5000	0.4920	
		Average of Peak Amounts =				0.4971	
2	1.865	1.865	0.000	63601	0.5000	0.5324	
2	2.151	2.151	0.000	79751	0.5000	0.5308	
2	2.261	2.261	0.000	35761	0.5000	0.5120	
2	2.617	2.617	0.000	38771	0.5000	0.5295	
		Average of Peak Amounts =				0.5262	
						RPD = 5.69	
9 PCB-1260							M
1	4.064	4.064	0.000	127982	0.5000	0.4977	
1	4.283	4.283	0.000	114128	0.5000	0.5161	
1	4.415	4.415	0.000	105469	0.5000	0.4748	
1	4.803	4.803	0.000	145192	0.5000	0.4817	
		Average of Peak Amounts =				0.4926	
2	3.932	3.932	0.000	85069	0.5000	0.5412	
2	4.239	4.239	0.000	47189	0.5000	0.5085	
2	4.379	4.379	0.000	118169	0.5000	0.5518	
2	4.699	4.699	0.000	101235	0.5000	0.5528	M
		Average of Peak Amounts =				0.5386	
						RPD = 8.92	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.103	6.103	0.000	83282	0.0300	0.0240	
2	5.580	5.580	0.000	73913	0.0300	0.0280	
						RPD = 15.32	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

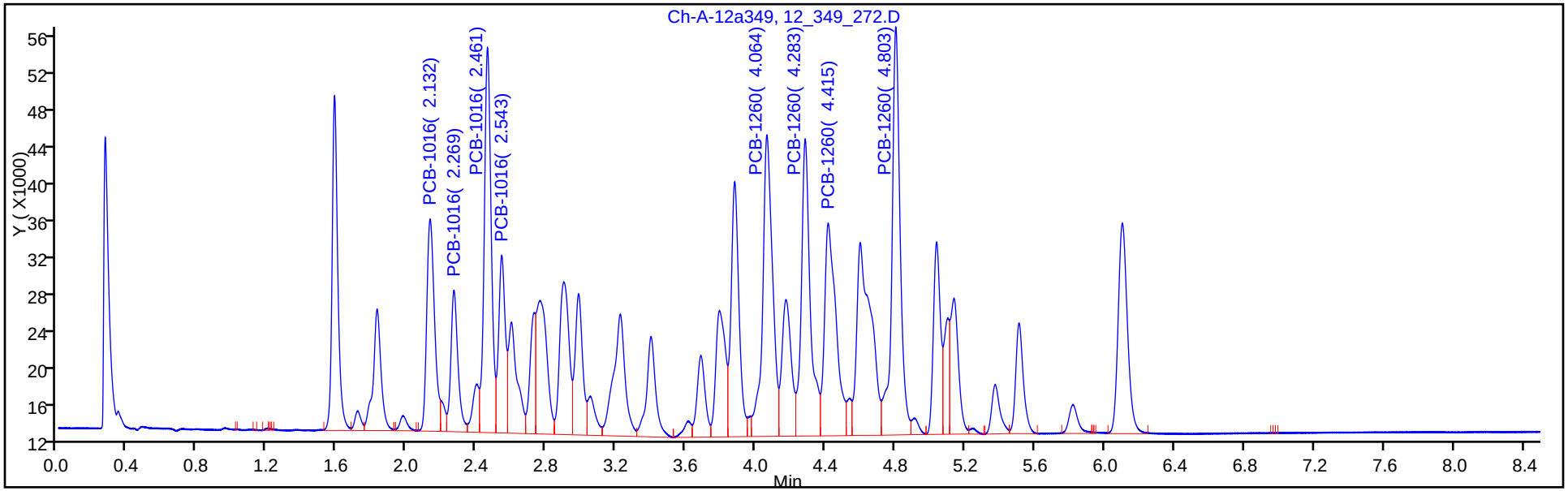
Report Date: 19-Nov-2015 10:36:00 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

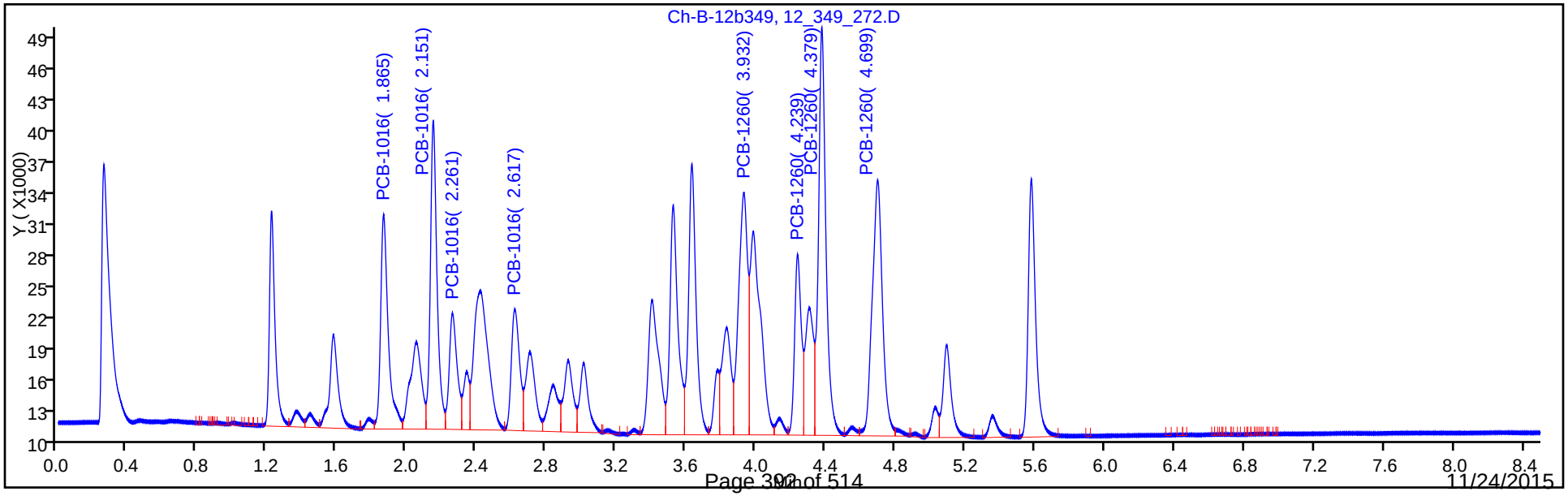
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_272.D

Injection Date:	18-Nov-2015 23:06:35	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	38
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 10:36:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_272.D

Injection Date: 18-Nov-2015 23:06:35 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

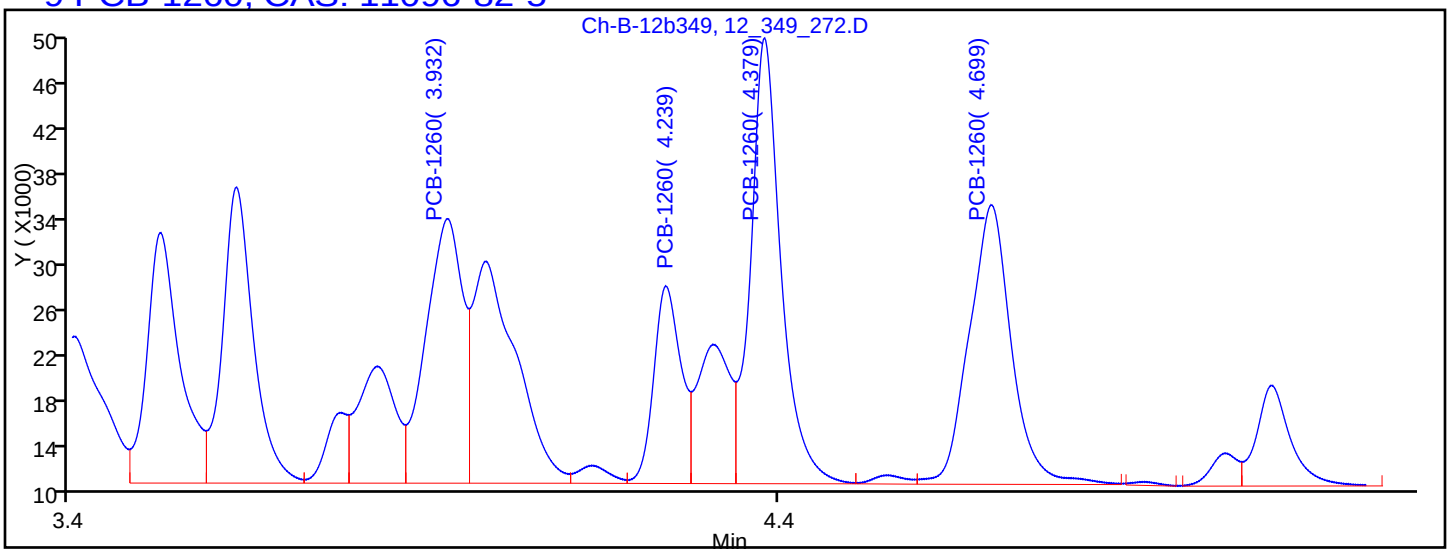
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 38

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



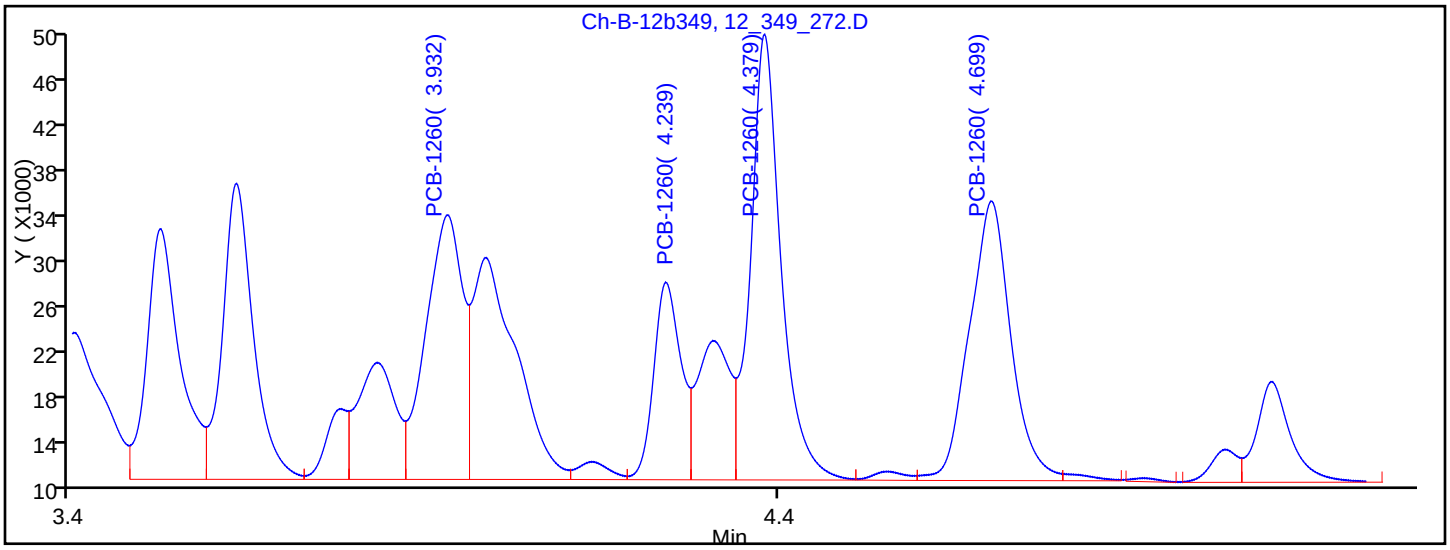
Processing Integration Results

RT = 3.932 Response = 85069

RT = 4.239 Response = 47189

RT = 4.379 Response = 118169

RT = 4.699 Response = 102910 M



Manual Integration Results

RT = 3.932 Response = 85069

RT = 4.239 Response = 47189

RT = 4.379 Response = 118169

RT = 4.699 Response = 101235 M

Reviewer: sobolk, 19-Nov-2015 10:35:59

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/50 Calibration Date: 11/19/2015 02:15

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_284.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	144940		0.508	0.500	1.5	20.0
PCB-1016 Peak 2	Ave	83149	87332		0.525	0.500	5.0	20.0
PCB-1016 Peak 3	Ave	238714	233402		0.489	0.500	-2.2	20.0
PCB-1016 Peak 4	Ave	103387	101762		0.492	0.500	-1.6	20.0
PCB-1260 Peak 1	Ave	257130	265910		0.517	0.500	3.4	20.0
PCB-1260 Peak 2	Ave	221133	232194		0.525	0.500	5.0	20.0
PCB-1260 Peak 3	Ave	222135	212318		0.478	0.500	-4.4	20.0
PCB-1260 Peak 4	Ave	301440	280696		0.466	0.500	-6.9	20.0
Tetrachloro-m-xylene	Ave	2805591	2784467		0.0298	0.0300	-0.8	20.0
DCB Decachlorobiphenyl	Ave	3471649	2695967		0.0233	0.0300	-22.3*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/50 Calibration Date: 11/19/2015 02:15

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_284.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.55	2.52	2.58
PCB-1260 Peak 1	4.06	4.03	4.09
PCB-1260 Peak 2	4.28	4.25	4.31
PCB-1260 Peak 3	4.41	4.38	4.44
PCB-1260 Peak 4	4.80	4.77	4.83
Tetrachloro-m-xylene	1.59	1.56	1.62
DCB Decachlorobiphenyl	6.09	6.06	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_284.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2015 02:15:54 ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:37:24 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:37:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.586	1.586	0.000	83534	0.0300	0.0298	
2	1.225	1.225	0.000	47871	0.0300	0.0318	
						RPD = 6.73	
6 PCB-1016							M
1	2.134	2.134	0.000	72470	0.5000	0.5077	M
1	2.270	2.270	0.000	43666	0.5000	0.5252	
1	2.463	2.463	0.000	116701	0.5000	0.4889	
1	2.545	2.545	0.000	50881	0.5000	0.4921	
		Average of Peak Amounts =				0.5035	
2	1.867	1.867	0.000	64543	0.5000	0.5403	
2	2.151	2.151	0.000	80315	0.5000	0.5345	
2	2.263	2.263	0.000	35754	0.5000	0.5119	
2	2.619	2.619	0.000	39065	0.5000	0.5335	
		Average of Peak Amounts =				0.5301	
						RPD = 5.14	
9 PCB-1260							
1	4.060	4.060	0.000	132955	0.5000	0.5171	
1	4.279	4.279	0.000	116097	0.5000	0.5250	
1	4.410	4.410	0.000	106159	0.5000	0.4779	
1	4.797	4.797	0.000	140348	0.5000	0.4656	
		Average of Peak Amounts =				0.4964	
2	3.928	3.928	0.000	86410	0.5000	0.5497	
2	4.235	4.235	0.000	47644	0.5000	0.5134	
2	4.374	4.374	0.000	119697	0.5000	0.5589	
2	4.694	4.694	0.000	102243	0.5000	0.5583	
		Average of Peak Amounts =				0.5451	
						RPD = 9.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.093	6.093	0.000	80879	0.0300	0.0233	
2	5.573	5.573	0.000	76242	0.0300	0.0289	
						RPD = 21.30	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

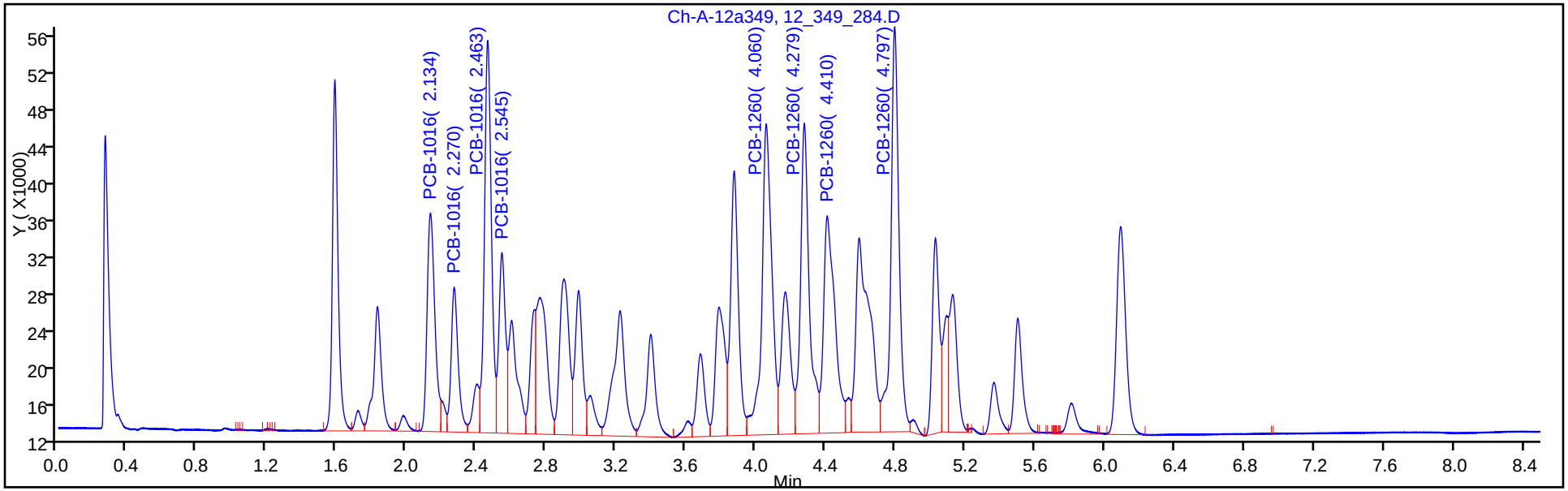
Report Date: 19-Nov-2015 10:37:24 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

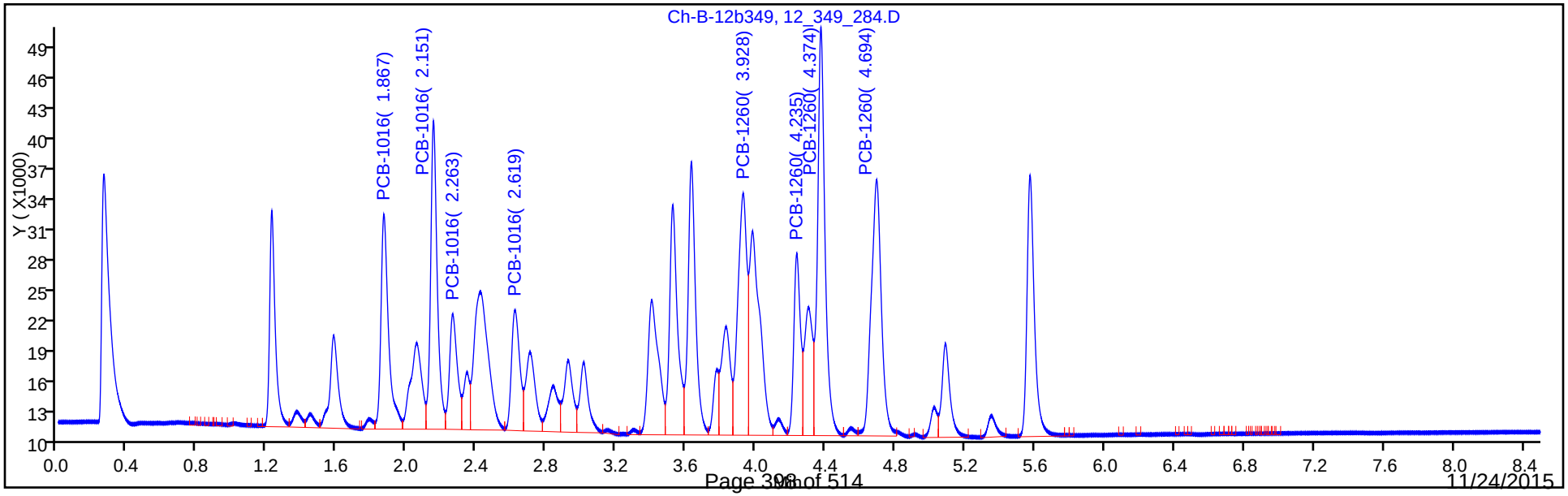
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_284.D

Injection Date:	19-Nov-2015 02:15:54	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	50
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



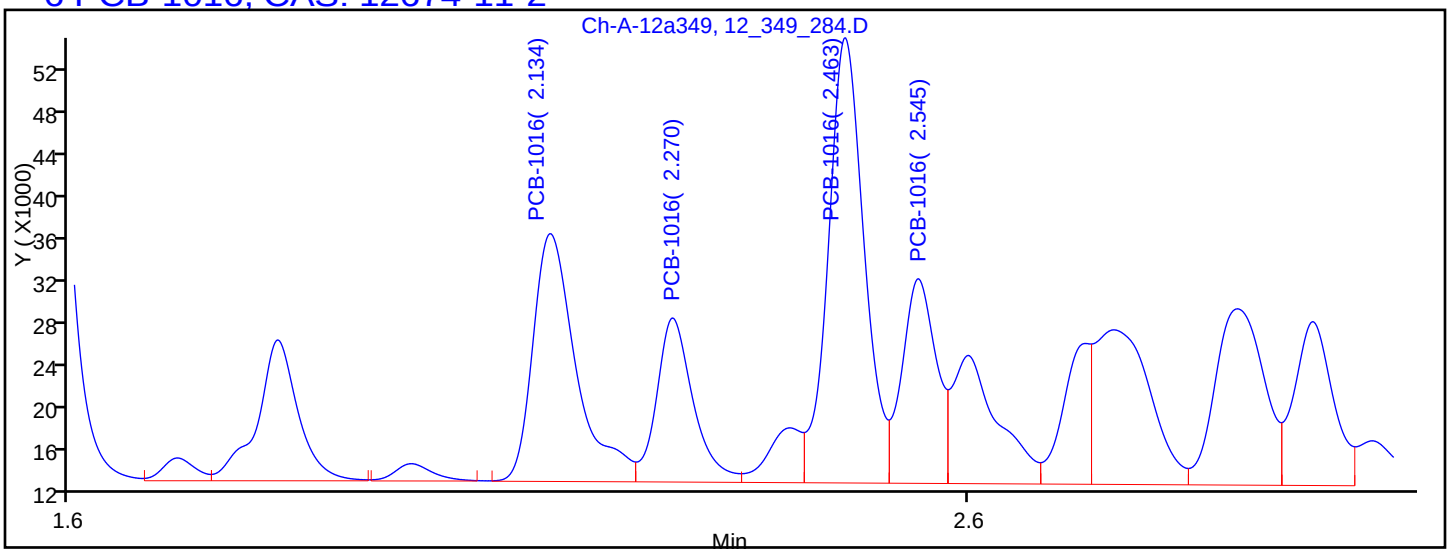
Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

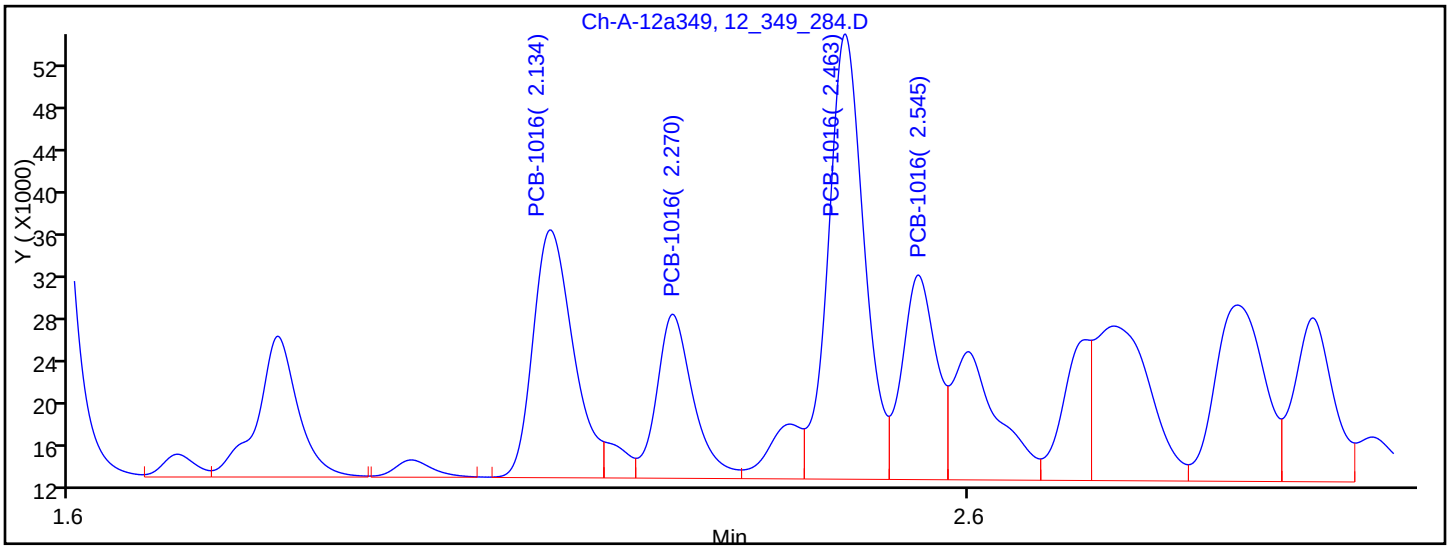
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_284.D
Injection Date: 19-Nov-2015 02:15:54 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.134	Response = 78247	M
RT = 2.270	Response = 43666	
RT = 2.463	Response = 116701	
RT = 2.545	Response = 50881	



Manual Integration Results

RT = 2.134	Response = 72470	M
RT = 2.270	Response = 43666	
RT = 2.463	Response = 116701	
RT = 2.545	Response = 50881	

Reviewer: sobolk, 19-Nov-2015 10:37:24
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/50 Calibration Date: 11/19/2015 02:15

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_284.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	129086		0.540	0.500	8.1	20.0
PCB-1016 Peak 2	Ave	150255	160630		0.535	0.500	6.9	20.0
PCB-1016 Peak 3	Ave	69844	71508		0.512	0.500	2.4	20.0
PCB-1016 Peak 4	Ave	73226	78130		0.533	0.500	6.7	20.0
PCB-1260 Peak 1	Ave	157198	172820		0.550	0.500	9.9	20.0
PCB-1260 Peak 2	Ave	92802	95288		0.513	0.500	2.7	20.0
PCB-1260 Peak 3	Ave	214168	239394		0.559	0.500	11.8	20.0
PCB-1260 Peak 4	Ave	183120	204486		0.558	0.500	11.7	20.0
Tetrachloro-m-xylene	Ave	1503189	1595700		0.0318	0.0300	6.2	20.0
DCB Decachlorobiphenyl	Ave	2642617	2541400		0.0289	0.0300	-3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/50 Calibration Date: 11/19/2015 02:15

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_284.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.87	1.84	1.90
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.62	2.59	2.65
PCB-1260 Peak 1	3.93	3.90	3.96
PCB-1260 Peak 2	4.24	4.21	4.27
PCB-1260 Peak 3	4.37	4.34	4.40
PCB-1260 Peak 4	4.69	4.66	4.72
Tetrachloro-m-xylene	1.23	1.20	1.26
DCB Decachlorobiphenyl	5.57	5.54	5.60

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_284.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2015 02:15:54 ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:37:24 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:37:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.586	1.586	0.000	83534	0.0300	0.0298	
2	1.225	1.225	0.000	47871	0.0300	0.0318	
						RPD = 6.73	
6 PCB-1016							M
1	2.134	2.134	0.000	72470	0.5000	0.5077	M
1	2.270	2.270	0.000	43666	0.5000	0.5252	
1	2.463	2.463	0.000	116701	0.5000	0.4889	
1	2.545	2.545	0.000	50881	0.5000	0.4921	
		Average of Peak Amounts =				0.5035	
2	1.867	1.867	0.000	64543	0.5000	0.5403	
2	2.151	2.151	0.000	80315	0.5000	0.5345	
2	2.263	2.263	0.000	35754	0.5000	0.5119	
2	2.619	2.619	0.000	39065	0.5000	0.5335	
		Average of Peak Amounts =				0.5301	
						RPD = 5.14	
9 PCB-1260							
1	4.060	4.060	0.000	132955	0.5000	0.5171	
1	4.279	4.279	0.000	116097	0.5000	0.5250	
1	4.410	4.410	0.000	106159	0.5000	0.4779	
1	4.797	4.797	0.000	140348	0.5000	0.4656	
		Average of Peak Amounts =				0.4964	
2	3.928	3.928	0.000	86410	0.5000	0.5497	
2	4.235	4.235	0.000	47644	0.5000	0.5134	
2	4.374	4.374	0.000	119697	0.5000	0.5589	
2	4.694	4.694	0.000	102243	0.5000	0.5583	
		Average of Peak Amounts =				0.5451	
						RPD = 9.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.093	6.093	0.000	80879	0.0300	0.0233	
2	5.573	5.573	0.000	76242	0.0300	0.0289	
						RPD = 21.30	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

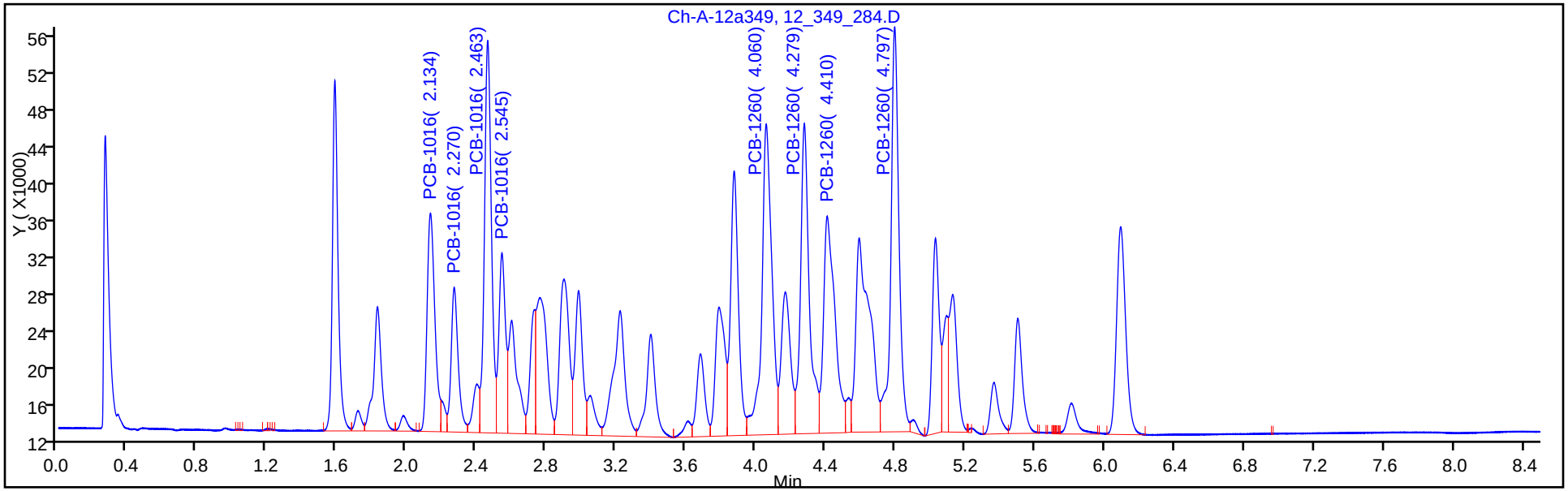
Report Date: 19-Nov-2015 10:37:25 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

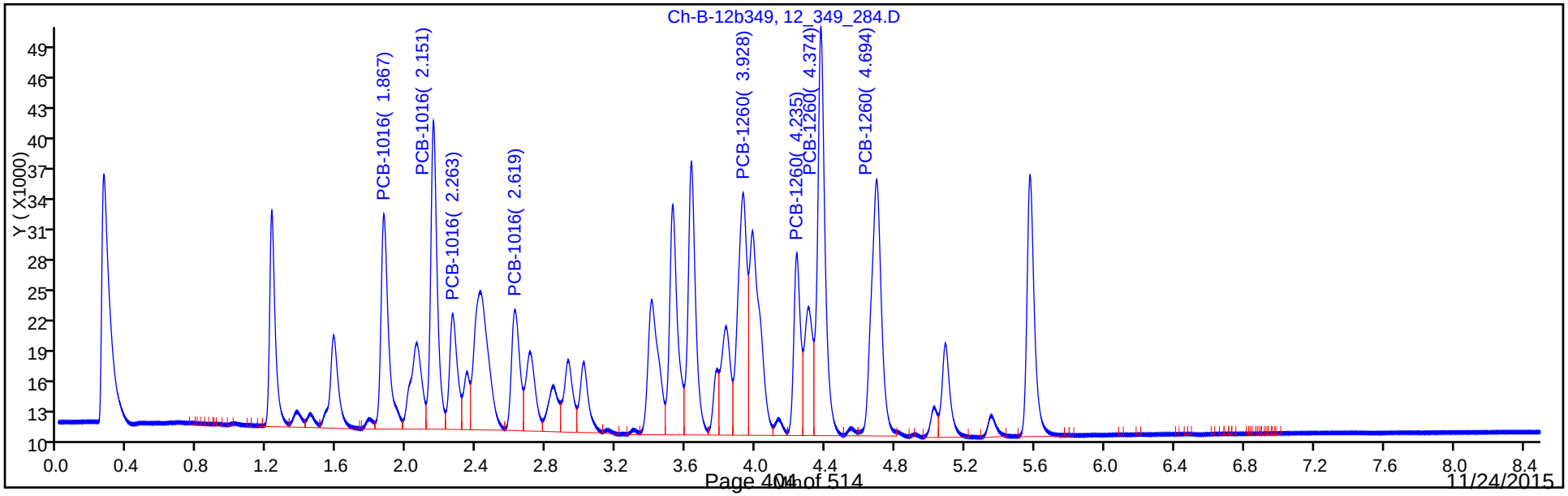
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_284.D

Injection Date:	19-Nov-2015 02:15:54	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	50
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/58 Calibration Date: 11/19/2015 04:22

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_292.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	143972		0.504	0.500	0.9	20.0
PCB-1016 Peak 2	Ave	83149	86396		0.520	0.500	3.9	20.0
PCB-1016 Peak 3	Ave	238714	231958		0.486	0.500	-2.8	20.0
PCB-1016 Peak 4	Ave	103387	102422		0.495	0.500	-0.9	20.0
PCB-1260 Peak 1	Ave	257130	266786		0.519	0.500	3.8	20.0
PCB-1260 Peak 2	Ave	221133	239338		0.541	0.500	8.2	20.0
PCB-1260 Peak 3	Ave	222135	218374		0.492	0.500	-1.7	20.0
PCB-1260 Peak 4	Ave	301440	291324		0.483	0.500	-3.4	20.0
Tetrachloro-m-xylene	Ave	2805591	2745300		0.0294	0.0300	-2.1	20.0
DCB Decachlorobiphenyl	Ave	3471649	2718733		0.0235	0.0300	-21.7*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/58 Calibration Date: 11/19/2015 04:22

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_292.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.06	4.03	4.09
PCB-1260 Peak 2	4.28	4.25	4.31
PCB-1260 Peak 3	4.41	4.38	4.44
PCB-1260 Peak 4	4.79	4.76	4.82
Tetrachloro-m-xylene	1.58	1.55	1.61
DCB Decachlorobiphenyl	6.08	6.05	6.11

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_292.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2015 04:22:18 ALS Bottle#: 0 Worklist Smp#: 58
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:38:22 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:38:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.584	1.584	0.000	82359	0.0300	0.0294	
2	1.222	1.222	0.000	46934	0.0300	0.0312	
						RPD = 6.17	
6 PCB-1016							M
1	2.131	2.131	0.000	71986	0.5000	0.5043	M
1	2.267	2.267	0.000	43198	0.5000	0.5195	
1	2.459	2.459	0.000	115979	0.5000	0.4858	
1	2.540	2.540	0.000	51211	0.5000	0.4953	
		Average of Peak Amounts =				0.5013	
2	1.863	1.863	0.000	63715	0.5000	0.5334	
2	2.148	2.148	0.000	79765	0.5000	0.5309	
2	2.258	2.258	0.000	36123	0.5000	0.5172	
2	2.616	2.616	0.000	38240	0.5000	0.5222	
		Average of Peak Amounts =				0.5259	
						RPD = 4.80	
9 PCB-1260							M
1	4.057	4.057	0.000	133393	0.5000	0.5188	
1	4.275	4.275	0.000	119669	0.5000	0.5412	
1	4.406	4.406	0.000	109187	0.5000	0.4915	
1	4.792	4.792	0.000	145662	0.5000	0.4832	
		Average of Peak Amounts =				0.5087	
2	3.923	3.923	0.000	86266	0.5000	0.5488	
2	4.231	4.231	0.000	48741	0.5000	0.5252	
2	4.369	4.369	0.000	120012	0.5000	0.5604	
2	4.687	4.687	0.000	103034	0.5000	0.5627	M
		Average of Peak Amounts =				0.5493	
						RPD = 7.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.084	6.084	0.000	81562	0.0300	0.0235	
2	5.565	5.565	0.000	76250	0.0300	0.0289	
						RPD = 20.48	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

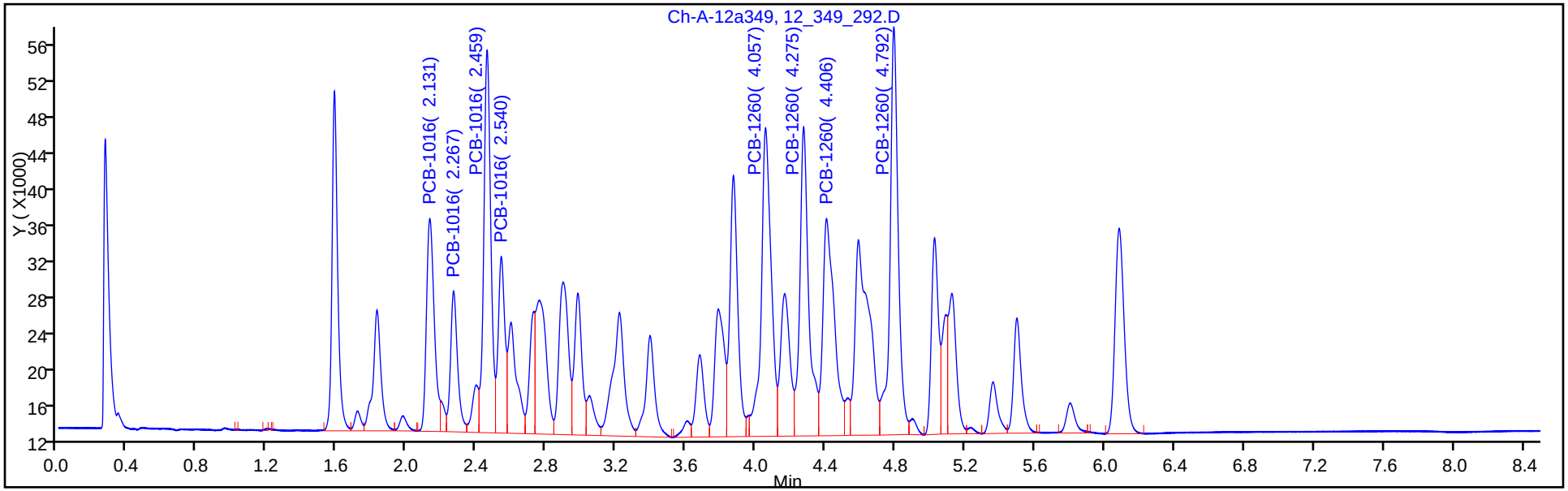
Report Date: 19-Nov-2015 10:38:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

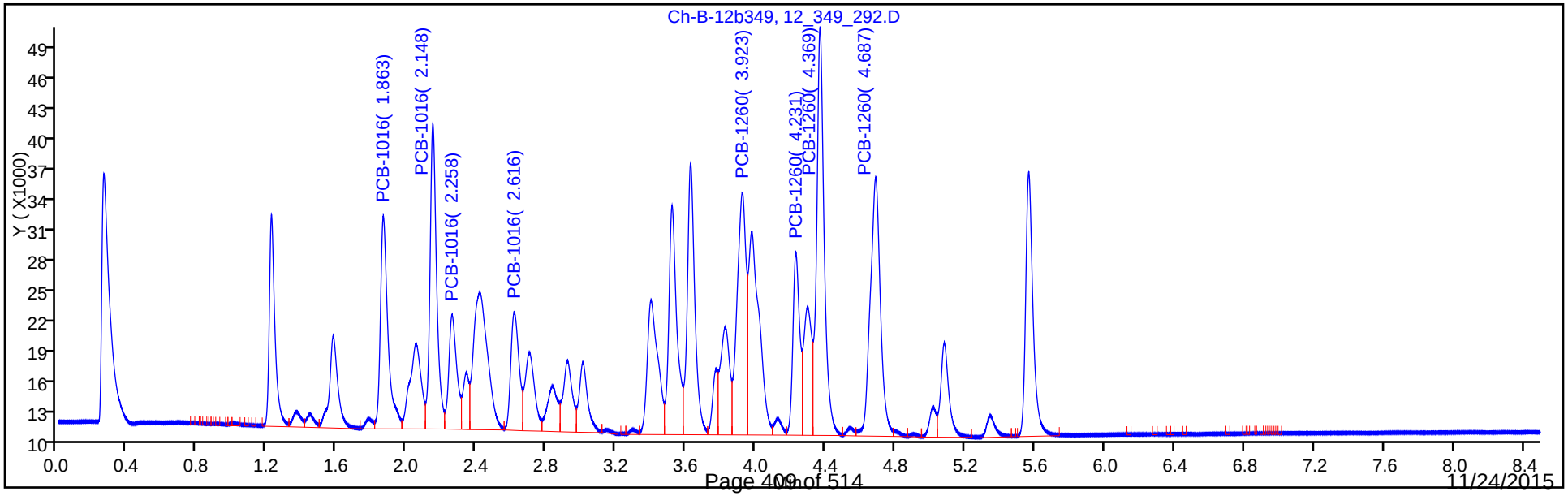
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_292.D

Injection Date:	19-Nov-2015 04:22:18	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	58
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)

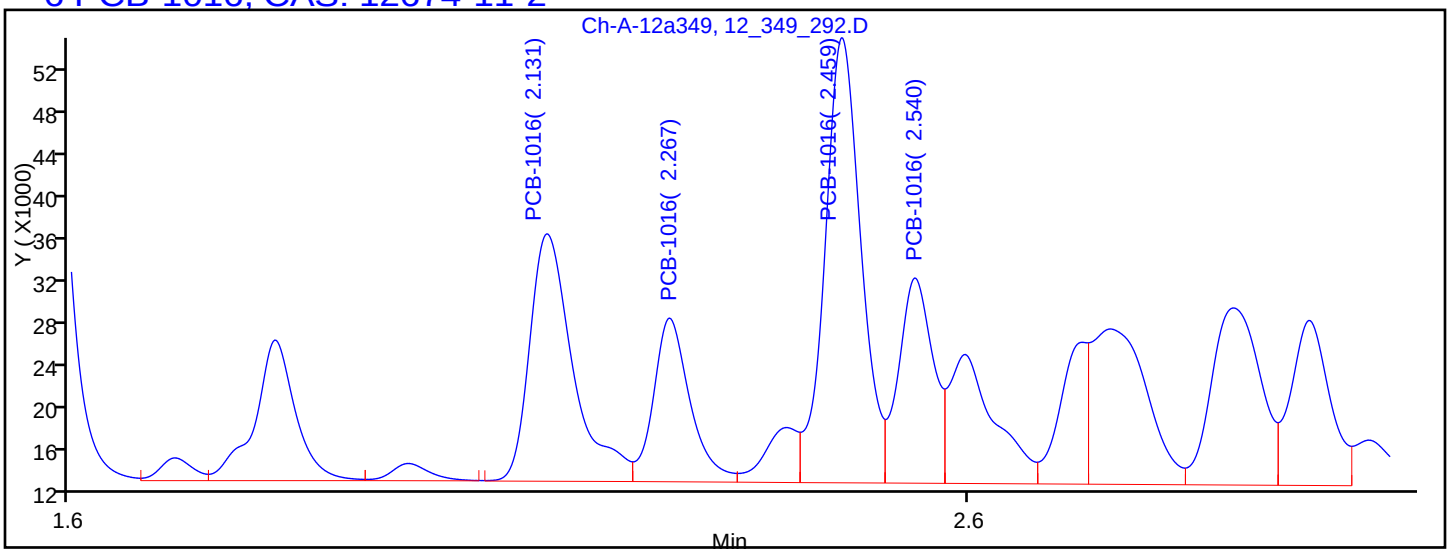


Report Date: 19-Nov-2015 10:38:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

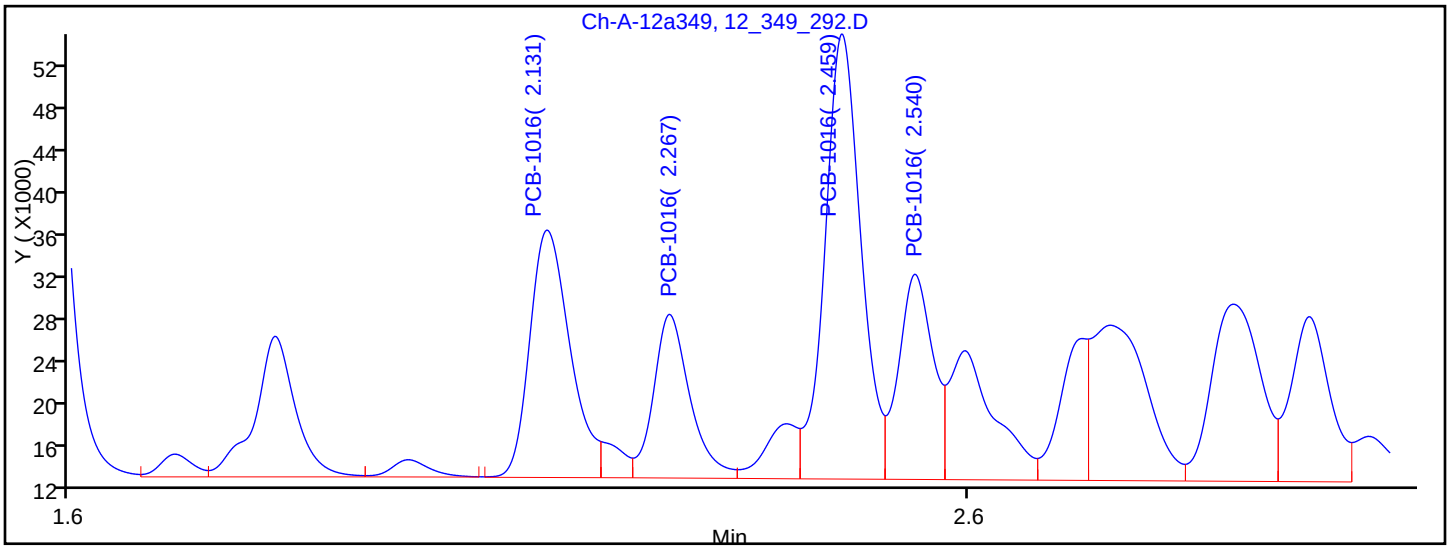
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_292.D
Injection Date: 19-Nov-2015 04:22:18 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 58
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.131 Response = 77691 M
RT = 2.267 Response = 43198
RT = 2.459 Response = 115979
RT = 2.540 Response = 51211



Manual Integration Results

RT = 2.131 Response = 71986 M
RT = 2.267 Response = 43198
RT = 2.459 Response = 115979
RT = 2.540 Response = 51211

Reviewer: sobolk, 19-Nov-2015 10:38:22
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/58 Calibration Date: 11/19/2015 04:22

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_292.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	127430		0.533	0.500	6.7	20.0
PCB-1016 Peak 2	Ave	150255	159530		0.531	0.500	6.2	20.0
PCB-1016 Peak 3	Ave	69844	72246		0.517	0.500	3.4	20.0
PCB-1016 Peak 4	Ave	73226	76480		0.522	0.500	4.4	20.0
PCB-1260 Peak 1	Ave	157198	172532		0.549	0.500	9.8	20.0
PCB-1260 Peak 2	Ave	92802	97482		0.525	0.500	5.0	20.0
PCB-1260 Peak 3	Ave	214168	240024		0.560	0.500	12.1	20.0
PCB-1260 Peak 4	Ave	183120	206068		0.563	0.500	12.5	20.0
Tetrachloro-m-xylene	Ave	1503189	1564467		0.0312	0.0300	4.1	20.0
DCB Decachlorobiphenyl	Ave	2642617	2541667		0.0289	0.0300	-3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/58 Calibration Date: 11/19/2015 04:22

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_292.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.86	1.83	1.89
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.62	2.59	2.65
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.23	4.20	4.26
PCB-1260 Peak 3	4.37	4.34	4.40
PCB-1260 Peak 4	4.69	4.66	4.72
Tetrachloro-m-xylene	1.22	1.19	1.25
DCB Decachlorobiphenyl	5.57	5.54	5.60

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_292.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2015 04:22:18 ALS Bottle#: 0 Worklist Smp#: 58
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:38:22 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:38:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.584	1.584	0.000	82359	0.0300	0.0294	
2	1.222	1.222	0.000	46934	0.0300	0.0312	
						RPD = 6.17	
6 PCB-1016							M
1	2.131	2.131	0.000	71986	0.5000	0.5043	M
1	2.267	2.267	0.000	43198	0.5000	0.5195	
1	2.459	2.459	0.000	115979	0.5000	0.4858	
1	2.540	2.540	0.000	51211	0.5000	0.4953	
		Average of Peak Amounts =				0.5013	
2	1.863	1.863	0.000	63715	0.5000	0.5334	
2	2.148	2.148	0.000	79765	0.5000	0.5309	
2	2.258	2.258	0.000	36123	0.5000	0.5172	
2	2.616	2.616	0.000	38240	0.5000	0.5222	
		Average of Peak Amounts =				0.5259	
						RPD = 4.80	
9 PCB-1260							M
1	4.057	4.057	0.000	133393	0.5000	0.5188	
1	4.275	4.275	0.000	119669	0.5000	0.5412	
1	4.406	4.406	0.000	109187	0.5000	0.4915	
1	4.792	4.792	0.000	145662	0.5000	0.4832	
		Average of Peak Amounts =				0.5087	
2	3.923	3.923	0.000	86266	0.5000	0.5488	
2	4.231	4.231	0.000	48741	0.5000	0.5252	
2	4.369	4.369	0.000	120012	0.5000	0.5604	
2	4.687	4.687	0.000	103034	0.5000	0.5627	M
		Average of Peak Amounts =				0.5493	
						RPD = 7.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.084	6.084	0.000	81562	0.0300	0.0235	
2	5.565	5.565	0.000	76250	0.0300	0.0289	
						RPD = 20.48	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

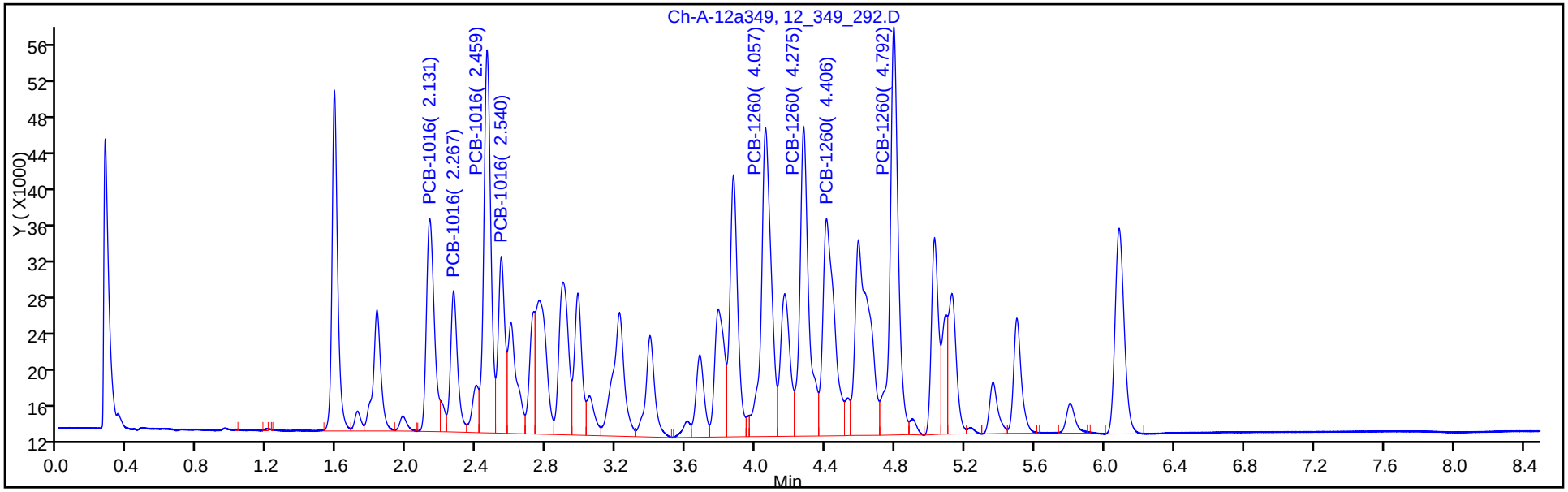
Report Date: 19-Nov-2015 10:38:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

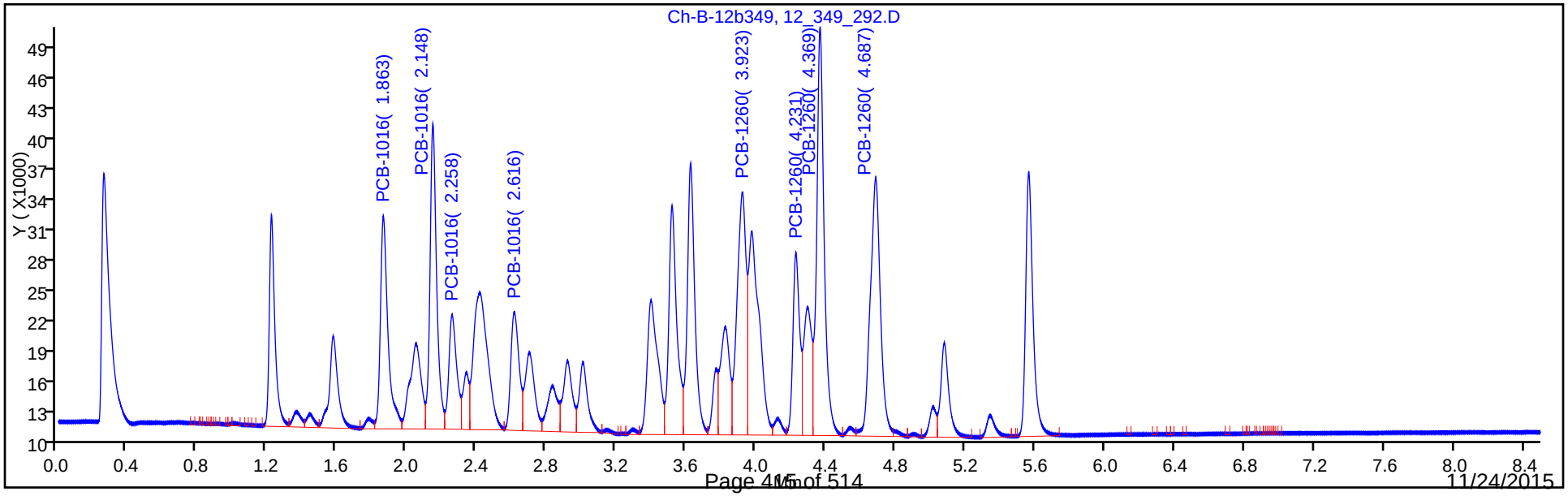
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_292.D

Injection Date:	19-Nov-2015 04:22:18	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	58
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



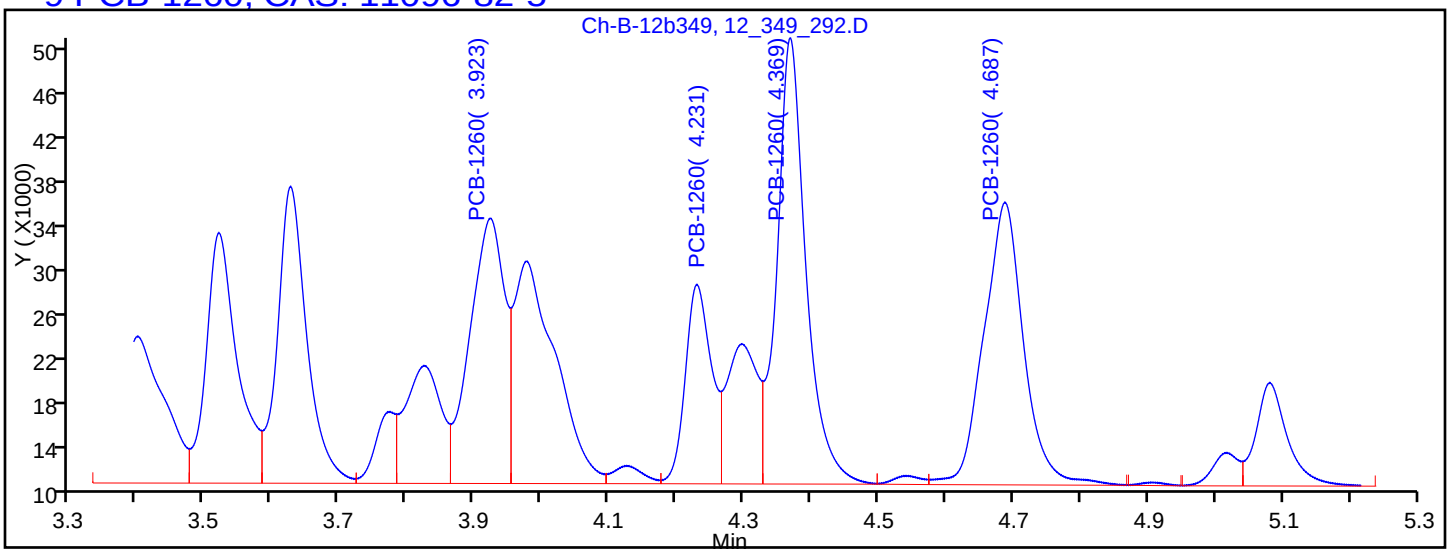
Report Date: 19-Nov-2015 10:38:23 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_292.D

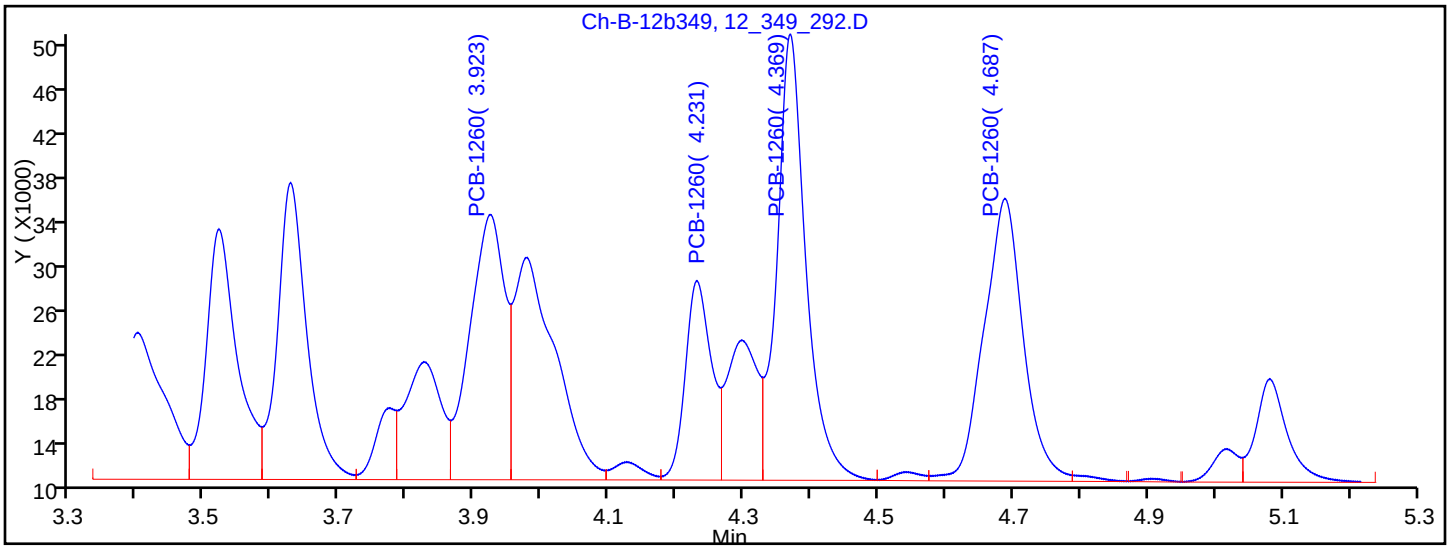
Injection Date:	19-Nov-2015 04:22:18	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	58
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 3.923 Response = 86266
RT = 4.231 Response = 48741
RT = 4.369 Response = 120012
RT = 4.687 Response = 104419 M



Manual Integration Results

RT = 3.923 Response = 86266
RT = 4.231 Response = 48741
RT = 4.369 Response = 120012
RT = 4.687 Response = 103034 M

Reviewer: sobolk, 19-Nov-2015 10:38:22
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/64 Calibration Date: 11/19/2015 05:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_298.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	141060		0.494	0.500	-1.2	20.0
PCB-1016 Peak 2	Ave	83149	85412		0.514	0.500	2.7	20.0
PCB-1016 Peak 3	Ave	238714	224192		0.470	0.500	-6.1	20.0
PCB-1016 Peak 4	Ave	103387	98906		0.478	0.500	-4.3	20.0
PCB-1260 Peak 1	Ave	257130	254602		0.495	0.500	-1.0	20.0
PCB-1260 Peak 2	Ave	221133	230234		0.521	0.500	4.1	20.0
PCB-1260 Peak 3	Ave	222135	210030		0.473	0.500	-5.4	20.0
PCB-1260 Peak 4	Ave	301440	283204		0.470	0.500	-6.0	20.0
Tetrachloro-m-xylene	Ave	2805591	2655133		0.0284	0.0300	-5.4	20.0
DCB Decachlorobiphenyl	Ave	3471649	2636600		0.0228	0.0300	-24.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/64 Calibration Date: 11/19/2015 05:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_298.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.06	4.03	4.09
PCB-1260 Peak 2	4.27	4.24	4.30
PCB-1260 Peak 3	4.40	4.37	4.43
PCB-1260 Peak 4	4.79	4.76	4.82
Tetrachloro-m-xylene	1.58	1.55	1.61
DCB Decachlorobiphenyl	6.09	6.06	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_298.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2015 05:57:04 ALS Bottle#: 0 Worklist Smp#: 64
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:40:31 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:40:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.583	1.583	0.000	79654	0.0300	0.0284	
2	1.223	1.223	0.000	44728	0.0300	0.0298	
						RPD = 4.69	
6 PCB-1016							M
1	2.130	2.130	0.000	70530	0.5000	0.4941	M
1	2.267	2.267	0.000	42706	0.5000	0.5136	
1	2.459	2.459	0.000	112096	0.5000	0.4696	
1	2.539	2.539	0.000	49453	0.5000	0.4783	
		Average of Peak Amounts =				0.4889	
2	1.865	1.865	0.000	61139	0.5000	0.5118	
2	2.148	2.148	0.000	76078	0.5000	0.5063	
2	2.257	2.257	0.000	33968	0.5000	0.4863	
2	2.614	2.614	0.000	36874	0.5000	0.5036	
		Average of Peak Amounts =				0.5020	
						RPD = 2.64	
9 PCB-1260							M
1	4.055	4.055	0.000	127301	0.5000	0.4951	
1	4.273	4.273	0.000	115117	0.5000	0.5206	
1	4.404	4.404	0.000	105015	0.5000	0.4728	
1	4.791	4.791	0.000	141602	0.5000	0.4698	
		Average of Peak Amounts =				0.4895	
2	3.921	3.921	0.000	81953	0.5000	0.5213	
2	4.229	4.229	0.000	46120	0.5000	0.4970	
2	4.368	4.368	0.000	114673	0.5000	0.5354	
2	4.687	4.687	0.000	98201	0.5000	0.5363	M
		Average of Peak Amounts =				0.5225	
						RPD = 6.51	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.085	6.085	0.000	79098	0.0300	0.0228	
2	5.565	5.565	0.000	73117	0.0300	0.0277	
						RPD = 19.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

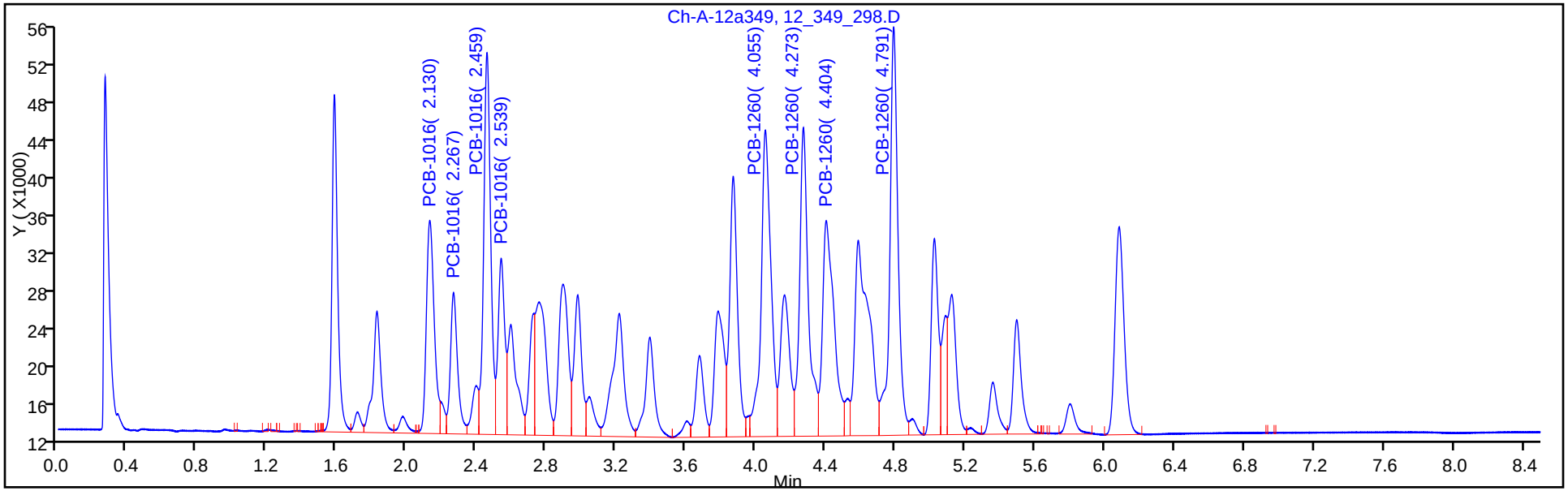
Report Date: 19-Nov-2015 10:40:31 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

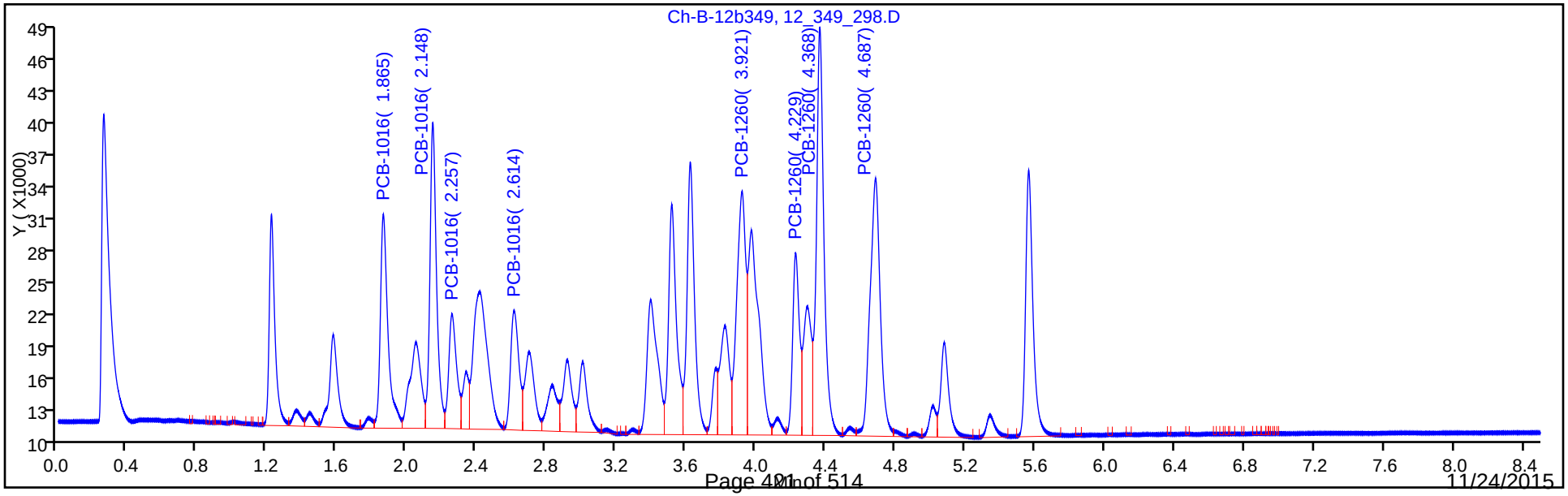
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_298.D

Injection Date:	19-Nov-2015 05:57:04	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	64
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)

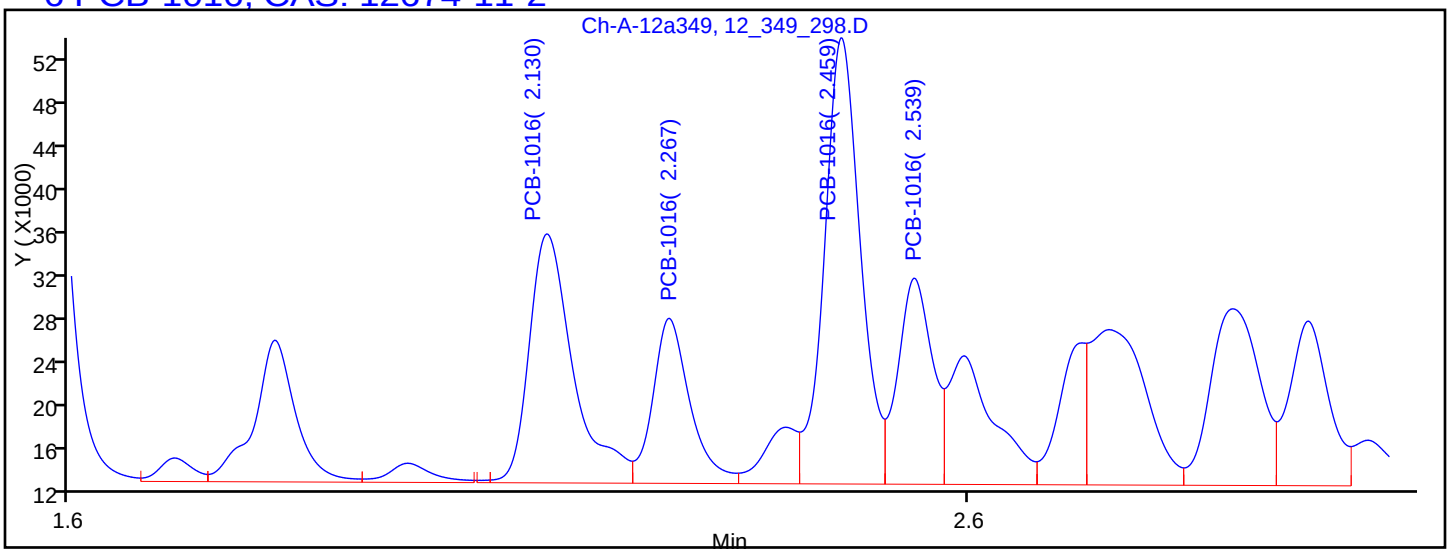


Report Date: 19-Nov-2015 10:40:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

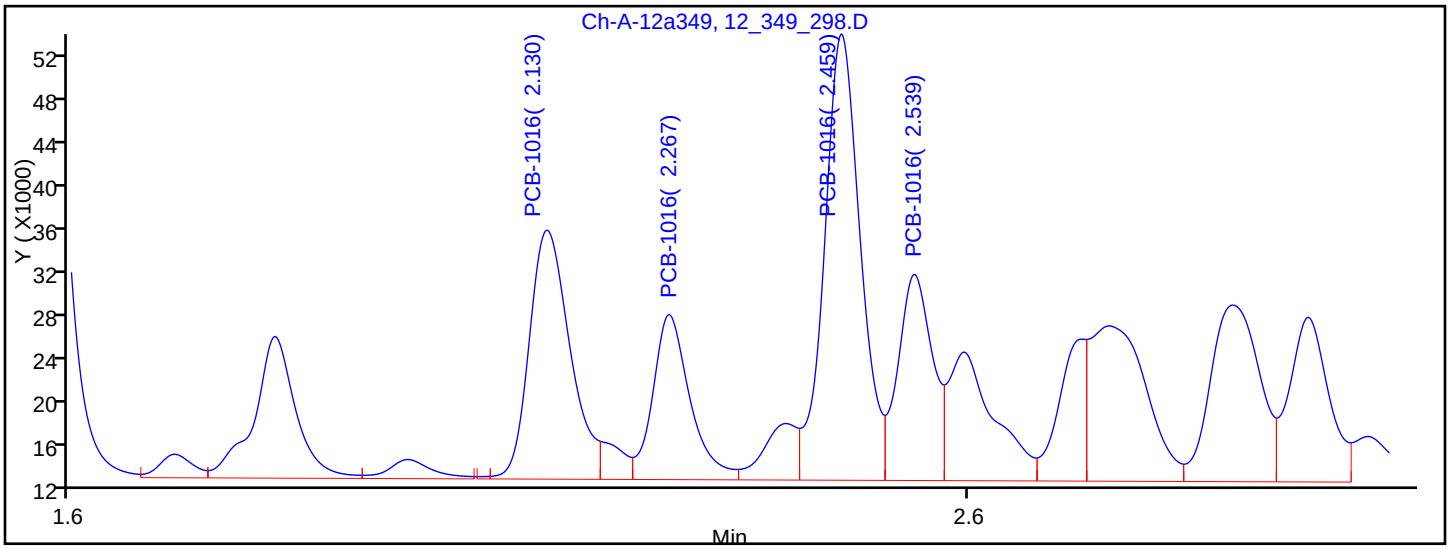
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_298.D
Injection Date: 19-Nov-2015 05:57:04 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 64
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.130	Response = 76511	M
RT = 2.267	Response = 42706	
RT = 2.459	Response = 112096	
RT = 2.539	Response = 49453	



Manual Integration Results

RT = 2.130	Response = 70530	M
RT = 2.267	Response = 42706	
RT = 2.459	Response = 112096	
RT = 2.539	Response = 49453	

Reviewer: sobolk, 19-Nov-2015 10:40:31
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/64 Calibration Date: 11/19/2015 05:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_298.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	122278		0.512	0.500	2.4	20.0
PCB-1016 Peak 2	Ave	150255	152156		0.506	0.500	1.3	20.0
PCB-1016 Peak 3	Ave	69844	67936		0.486	0.500	-2.7	20.0
PCB-1016 Peak 4	Ave	73226	73748		0.504	0.500	0.7	20.0
PCB-1260 Peak 1	Ave	157198	163906		0.521	0.500	4.3	20.0
PCB-1260 Peak 2	Ave	92802	92240		0.497	0.500	-0.6	20.0
PCB-1260 Peak 3	Ave	214168	229346		0.535	0.500	7.1	20.0
PCB-1260 Peak 4	Ave	183120	196402		0.536	0.500	7.3	20.0
Tetrachloro-m-xylene	Ave	1503189	1490933		0.0298	0.0300	-0.8	20.0
DCB Decachlorobiphenyl	Ave	2642617	2437233		0.0277	0.0300	-7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Lab Sample ID: CCV 480-275686/64 Calibration Date: 11/19/2015 05:57

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_349_298.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.87	1.84	1.90
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.61	2.58	2.64
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.23	4.20	4.26
PCB-1260 Peak 3	4.37	4.34	4.40
PCB-1260 Peak 4	4.69	4.66	4.72
Tetrachloro-m-xylene	1.22	1.19	1.25
DCB Decachlorobiphenyl	5.57	5.54	5.60

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_298.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2015 05:57:04 ALS Bottle#: 0 Worklist Smp#: 64
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:40:31 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:40:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.583	1.583	0.000	79654	0.0300	0.0284	
2	1.223	1.223	0.000	44728	0.0300	0.0298	
						RPD = 4.69	
6 PCB-1016							M
1	2.130	2.130	0.000	70530	0.5000	0.4941	M
1	2.267	2.267	0.000	42706	0.5000	0.5136	
1	2.459	2.459	0.000	112096	0.5000	0.4696	
1	2.539	2.539	0.000	49453	0.5000	0.4783	
		Average of Peak Amounts =				0.4889	
2	1.865	1.865	0.000	61139	0.5000	0.5118	
2	2.148	2.148	0.000	76078	0.5000	0.5063	
2	2.257	2.257	0.000	33968	0.5000	0.4863	
2	2.614	2.614	0.000	36874	0.5000	0.5036	
		Average of Peak Amounts =				0.5020	
						RPD = 2.64	
9 PCB-1260							M
1	4.055	4.055	0.000	127301	0.5000	0.4951	
1	4.273	4.273	0.000	115117	0.5000	0.5206	
1	4.404	4.404	0.000	105015	0.5000	0.4728	
1	4.791	4.791	0.000	141602	0.5000	0.4698	
		Average of Peak Amounts =				0.4895	
2	3.921	3.921	0.000	81953	0.5000	0.5213	
2	4.229	4.229	0.000	46120	0.5000	0.4970	
2	4.368	4.368	0.000	114673	0.5000	0.5354	
2	4.687	4.687	0.000	98201	0.5000	0.5363	M
		Average of Peak Amounts =				0.5225	
						RPD = 6.51	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.085	6.085	0.000	79098	0.0300	0.0228	
2	5.565	5.565	0.000	73117	0.0300	0.0277	
						RPD = 19.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

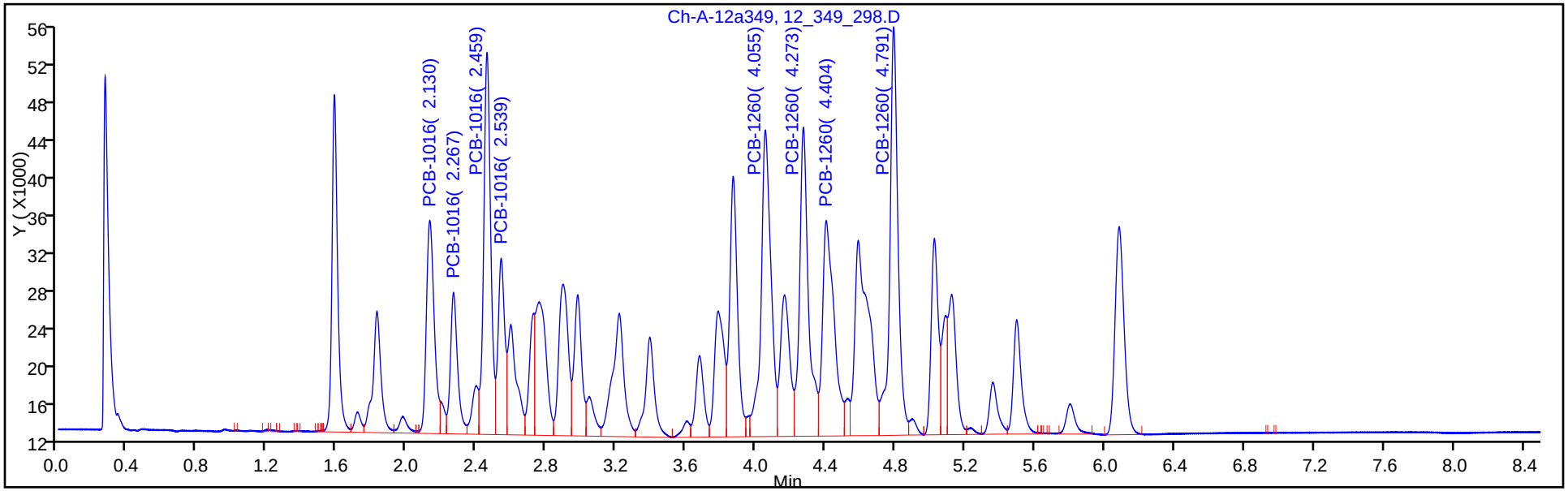
Report Date: 19-Nov-2015 10:40:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

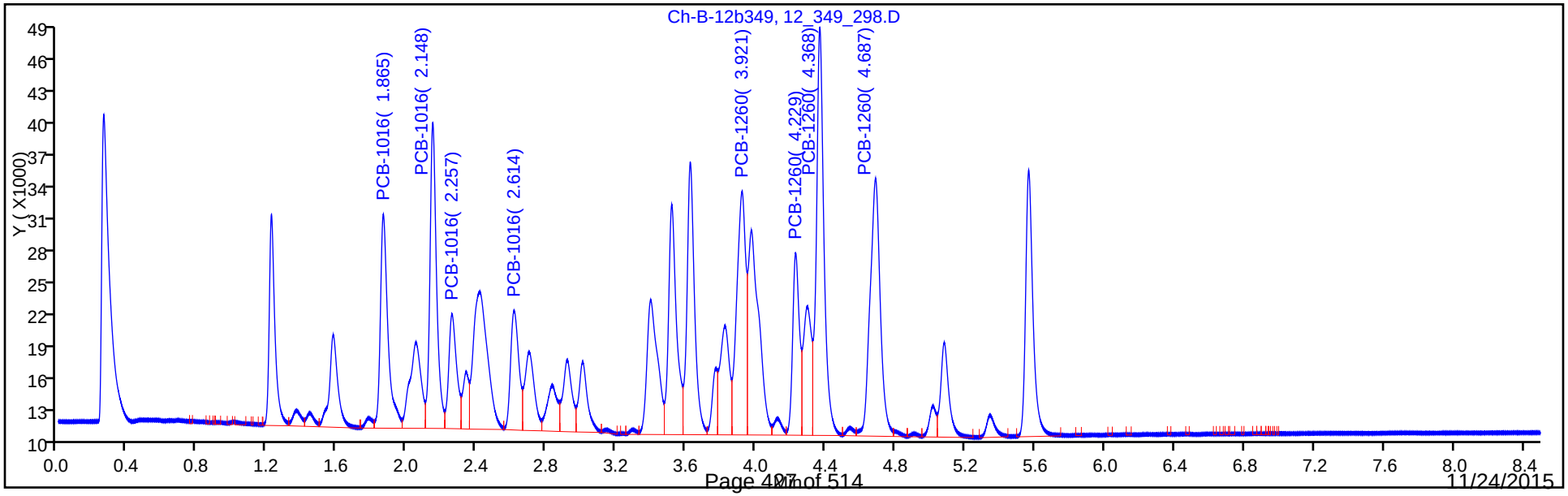
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_298.D

Injection Date:	19-Nov-2015 05:57:04	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	64
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

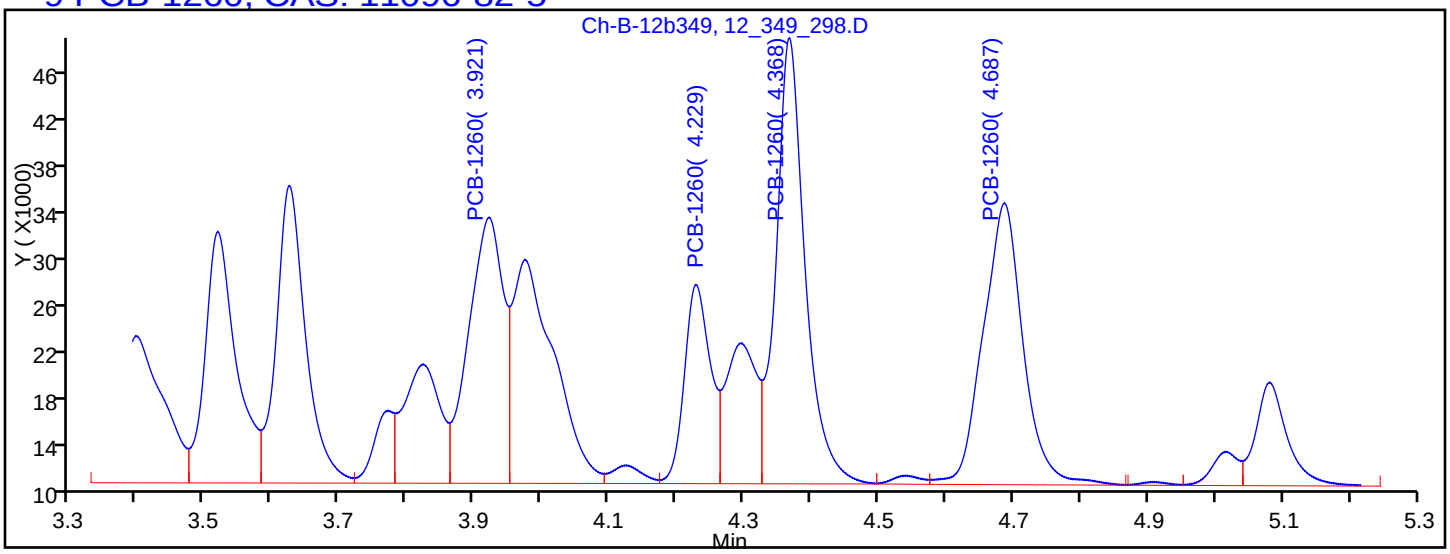


Column: ZB-35 (0.53 mm)



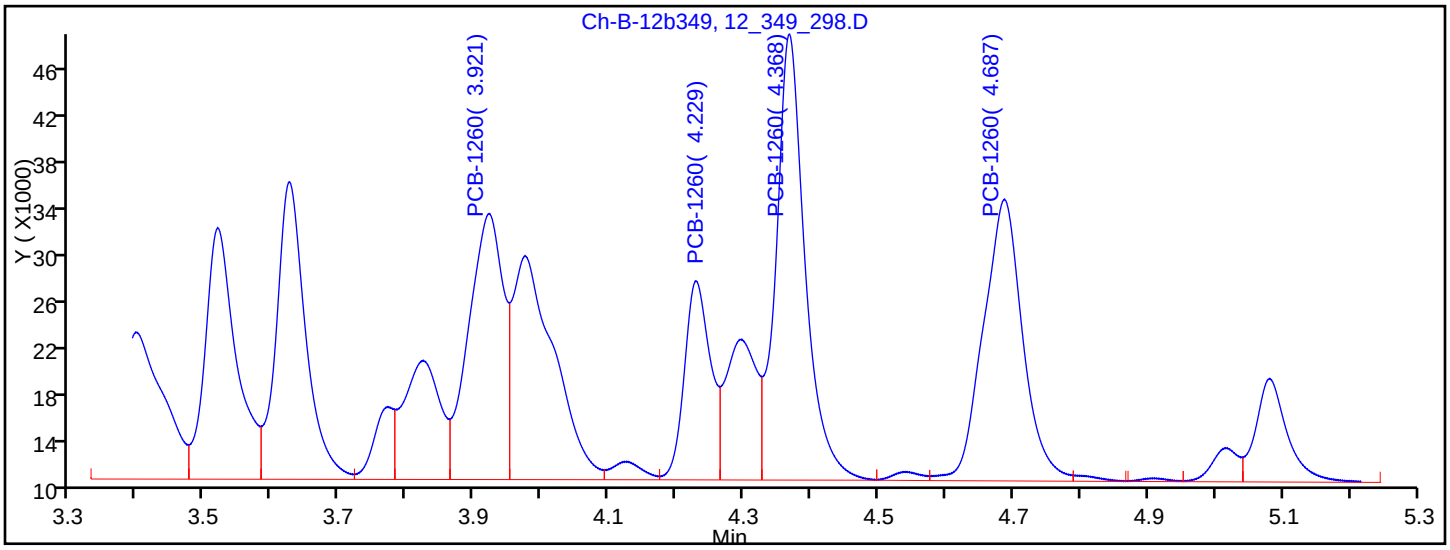
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_298.D
Injection Date: 19-Nov-2015 05:57:04 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 64
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 3.921	Response = 81953	
RT = 4.229	Response = 46120	
RT = 4.368	Response = 114673	
RT = 4.687	Response = 99428	M



Manual Integration Results

RT = 3.921	Response = 81953	
RT = 4.229	Response = 46120	
RT = 4.368	Response = 114673	
RT = 4.687	Response = 98201	M

Reviewer: sobolk, 19-Nov-2015 10:40:31
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-275569/1-A

Matrix: Solid | Lab File ID: 12_349_238.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/18/2015 08:09

Sample wt/vol: +2.03(g) | Date Analyzed: 11/18/2015 14:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.25	0.048
11104-28-2	PCB-1221	ND		0.25	0.048
11141-16-5	PCB-1232	ND		0.25	0.048
53469-21-9	PCB-1242	ND		0.25	0.048
12672-29-6	PCB-1248	ND		0.25	0.048
11097-69-1	PCB-1254	ND		0.25	0.12
11096-82-5	PCB-1260	ND		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		65-174
877-09-8	Tetrachloro-m-xylene	100		60-154

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_238.D
Lims ID: MB 480-275569/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Nov-2015 14:13:49 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 18-Nov-2015 18:07:32 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK010

First Level Reviewer: sobolk Date: 18-Nov-2015 18:07:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.583	1.583	0.000	55259	0.0200	0.0197	
2	1.222	1.221	0.001	30213	0.0200	0.0201	
						RPD = 2.03	
$ 12 DCB Decachlorobiphenyl							
1	6.088	6.090	-0.002	62384	0.0200	0.0180	
2	5.571	5.569	0.002	54463	0.0200	0.0206	
						RPD = 13.69	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

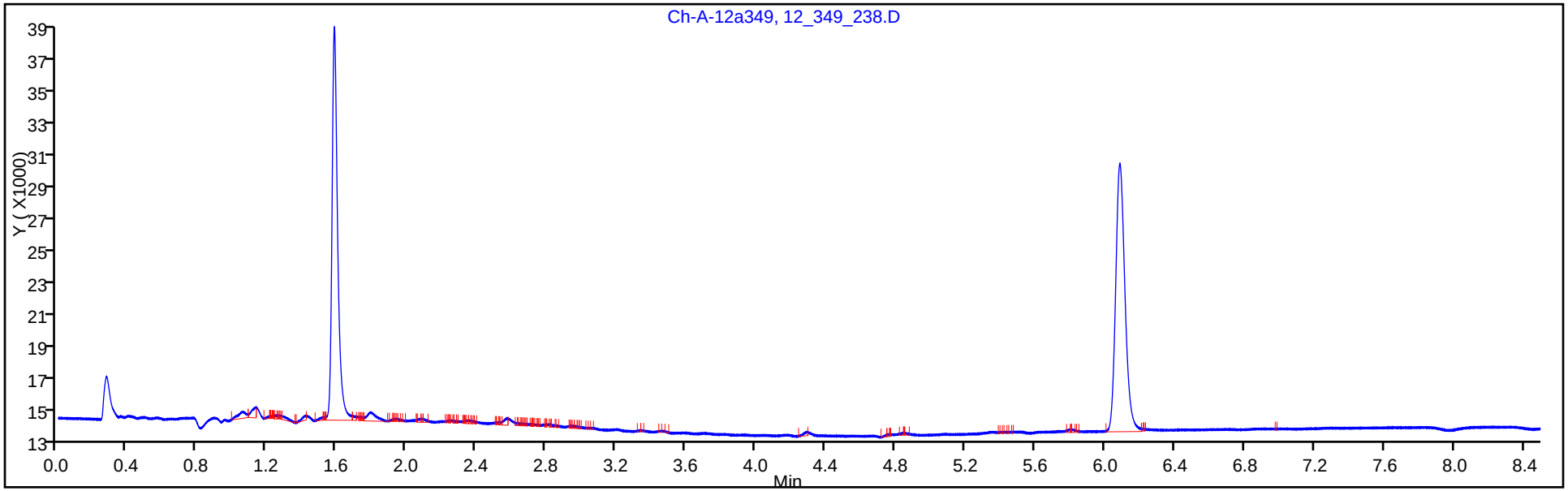
Report Date: 18-Nov-2015 18:07:38 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

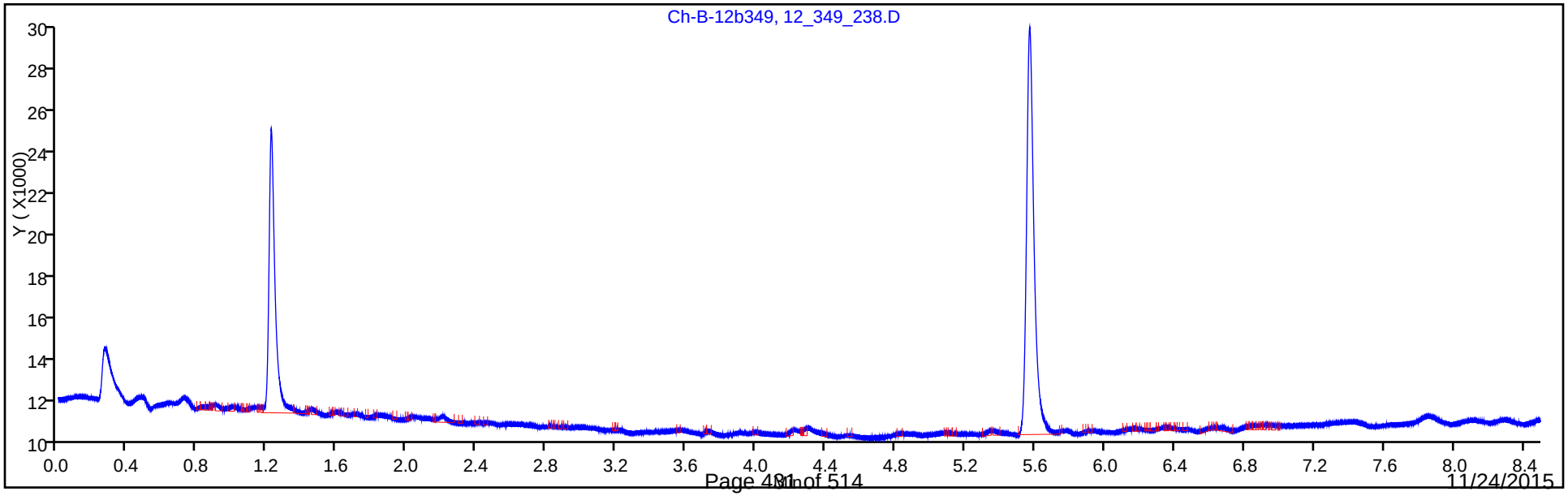
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_238.D

Injection Date:	18-Nov-2015 14:13:49	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	MB 480-275569/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-275611/1-A

Matrix: Solid | Lab File ID: 12_349_262.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.09(g) | Date Analyzed: 11/18/2015 20:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.24	0.047
11104-28-2	PCB-1221	ND		0.24	0.047
11141-16-5	PCB-1232	ND		0.24	0.047
53469-21-9	PCB-1242	ND		0.24	0.047
12672-29-6	PCB-1248	ND		0.24	0.047
11097-69-1	PCB-1254	ND		0.24	0.11
11096-82-5	PCB-1260	ND		0.24	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		65-174
877-09-8	Tetrachloro-m-xylene	102		60-154

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_262.D
Lims ID: MB 480-275611/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Nov-2015 20:28:51 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:35:59 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:36:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.582	1.585	-0.003	57508	0.0200	0.0205	
2	1.221	1.223	-0.002	30720	0.0200	0.0204	
						RPD = 0.30	
$ 12 DCB Decachlorobiphenyl							
1	6.084	6.103	-0.019	63183	0.0200	0.0182	
2	5.567	5.580	-0.013	56125	0.0200	0.0212	
						RPD = 15.41	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

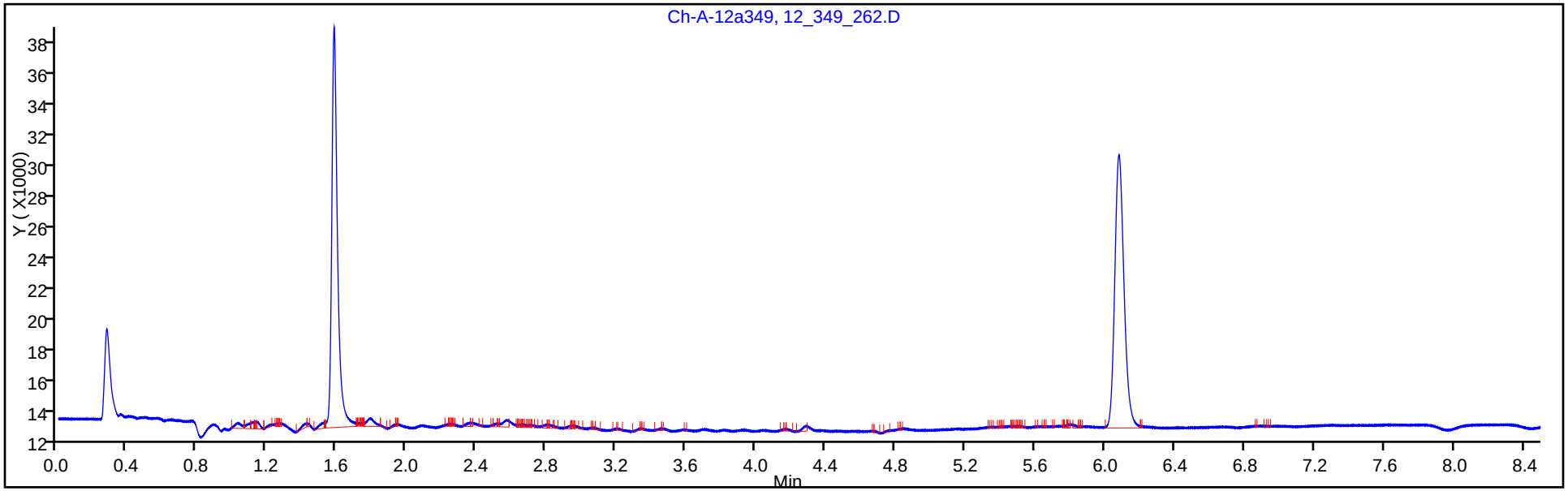
Report Date: 19-Nov-2015 10:36:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

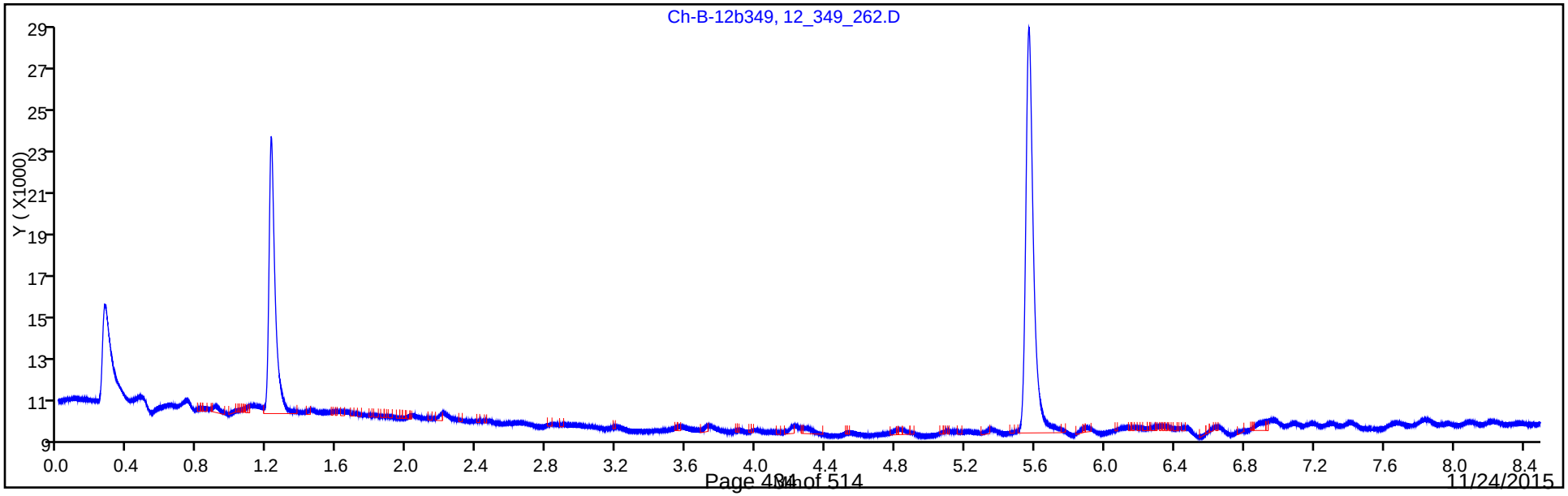
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_262.D

Injection Date:	18-Nov-2015 20:28:51	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	MB 480-275611/1-A			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-275663/1-A

Matrix: Water | Lab File ID: 12_349_294.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 11/18/2015 13:24

Sample wt/vol: 1000(mL) | Date Analyzed: 11/19/2015 04:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49		19-125
877-09-8	Tetrachloro-m-xylene	77		24-137

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_294.D
Lims ID: MB 480-275663/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-Nov-2015 04:53:52 ALS Bottle#: 0 Worklist Smp#: 60
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:38:58 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:38:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.585	1.584	0.001	44533	0.0200	0.0159	
2	1.223	1.222	0.001	23174	0.0200	0.0154	
						RPD = 2.92	
$ 12 DCB Decachlorobiphenyl							
1	6.088	6.084	0.004	32381	0.0200	0.009327	
2	5.569	5.565	0.004	25656	0.0200	0.009709	
						RPD = 4.01	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

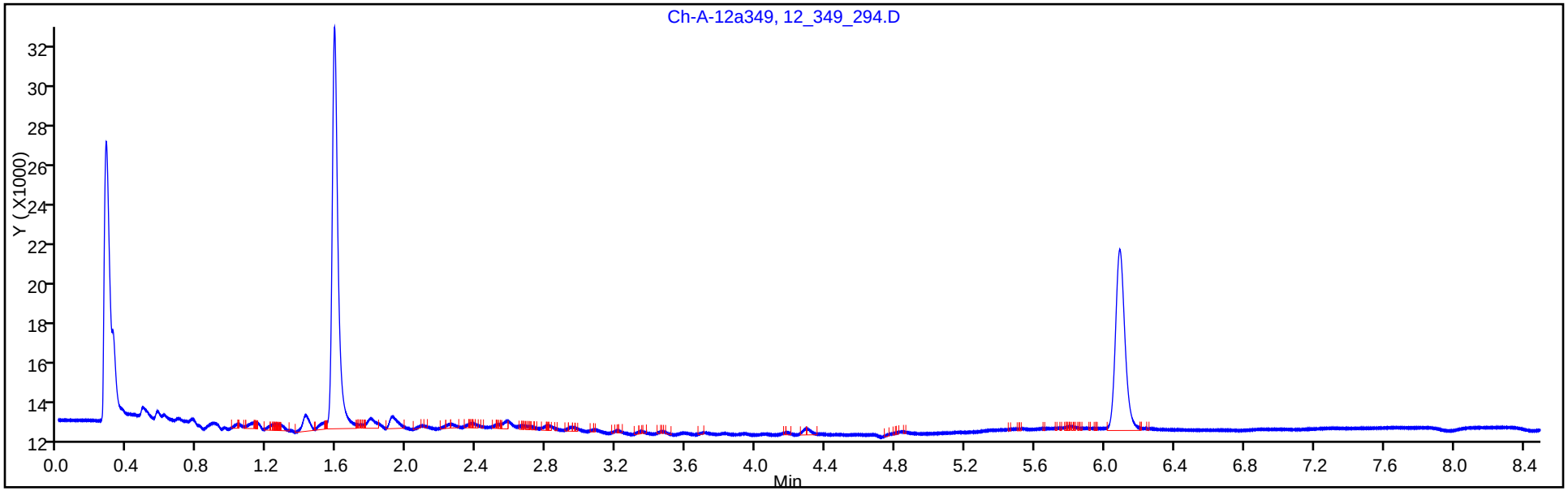
Report Date: 19-Nov-2015 10:38:59 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

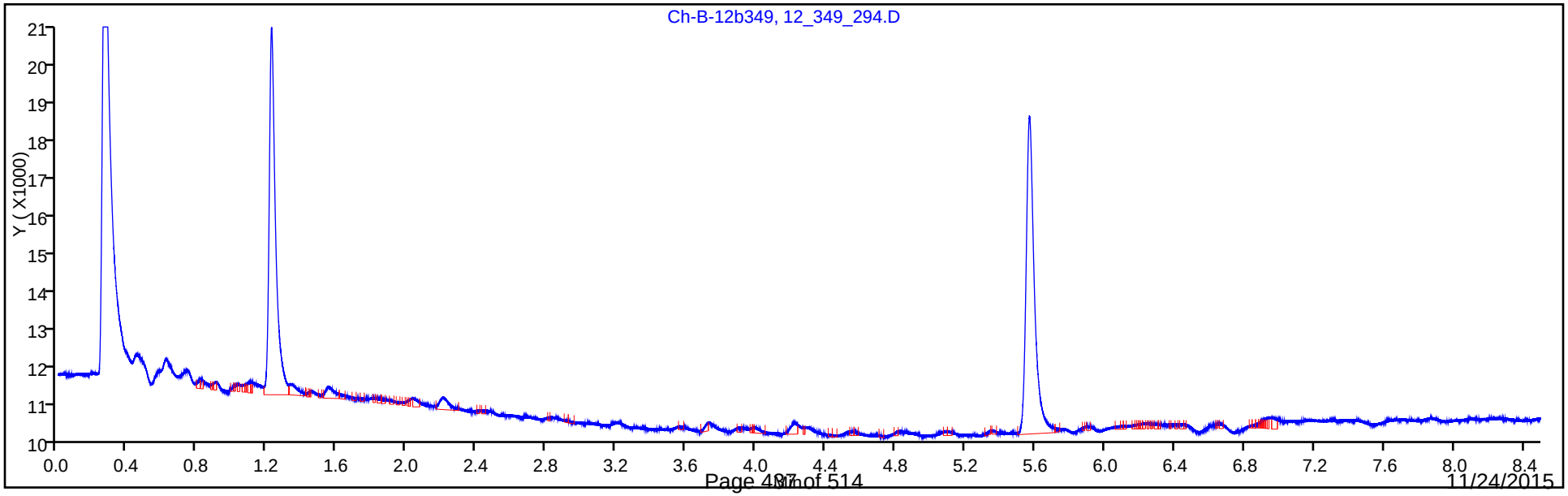
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_294.D

Injection Date:	19-Nov-2015 04:53:52	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	MB 480-275663/1-A			Worklist Smp#:	60
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-275569/2-A

Matrix: Solid | Lab File ID: 12_349_239.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/18/2015 08:09

Sample wt/vol: +2.02(g) | Date Analyzed: 11/18/2015 14:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.02		0.25	0.048
11096-82-5	PCB-1260	3.09		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		65-174
877-09-8	Tetrachloro-m-xylene	115		60-154

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_239.D
Lims ID: LCS 480-275569/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Nov-2015 14:28:36 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 18-Nov-2015 18:07:32 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK010

First Level Reviewer: sobolk Date: 18-Nov-2015 18:07:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.583	1.583	0.000	70620	0.0200	0.0252	
2	1.222	1.221	0.001	34429	0.0200	0.0229	
						RPD = 9.43	
6 PCB-1016							M
1	2.131	2.131	0.000	79520	0.5000	0.5571	M
1	2.266	2.268	-0.002	48195	0.5000	0.5796	
1	2.459	2.460	-0.001	130300	0.5000	0.5458	
1	2.540	2.541	-0.001	56396	0.5000	0.5455	
		Average of Peak Amounts =				0.5570	
2	1.861	1.862	-0.001	71482	0.5000	0.5984	
2	2.147	2.146	0.001	92567	0.5000	0.6161	
2	2.257	2.256	0.001	41391	0.5000	0.5926	
2	2.613	2.613	0.000	46061	0.5000	0.6290	
		Average of Peak Amounts =				0.6090	
						RPD = 8.92	
9 PCB-1260							M
1	4.059	4.059	0.000	165330	0.5000	0.6430	M
1	4.277	4.277	0.000	156838	0.5000	0.7092	M
1	4.409	4.409	0.000	121119	0.5000	0.5453	M
1	4.795	4.795	0.000	152847	0.5000	0.5071	M
		Average of Peak Amounts =				0.6011	
2	3.926	3.923	0.003	119876	0.5000	0.7626	
2	4.233	4.231	0.002	52348	0.5000	0.5641	
2	4.371	4.370	0.001	127158	0.5000	0.5937	
2	4.692	4.690	0.002	105311	0.5000	0.5751	
		Average of Peak Amounts =				0.6239	
						RPD = 3.71	
$ 12 DCB Decachlorobiphenyl							
1	6.090	6.090	0.000	67218	0.0200	0.0194	
2	5.571	5.569	0.002	62591	0.0200	0.0237	
						RPD = 20.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

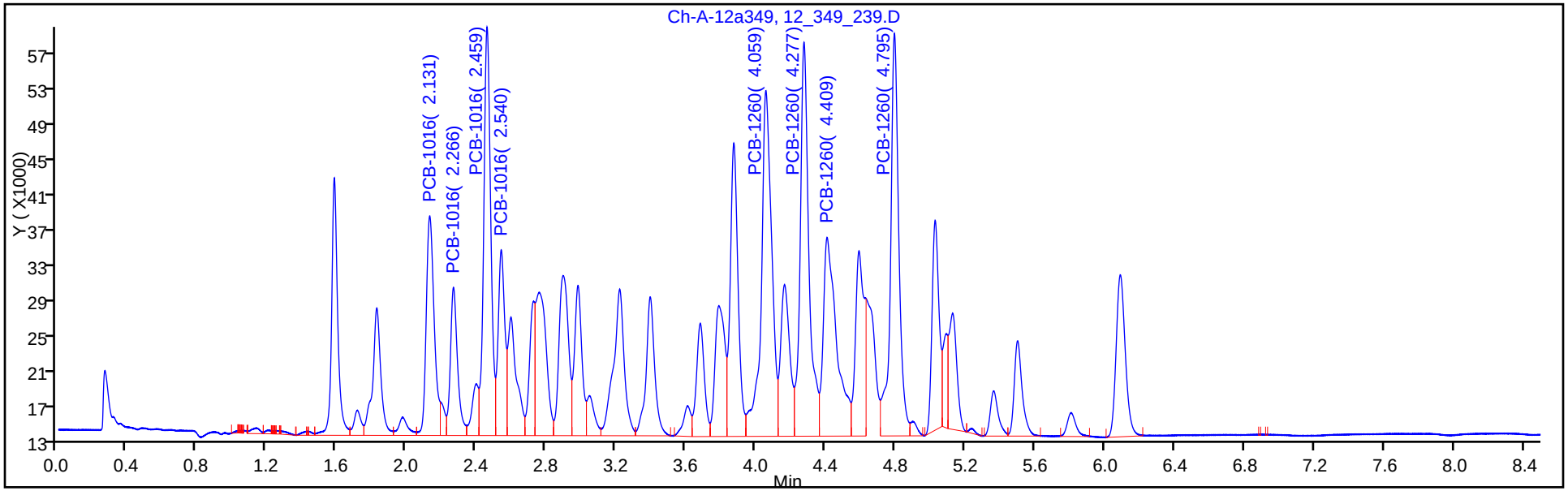
Report Date: 18-Nov-2015 18:07:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

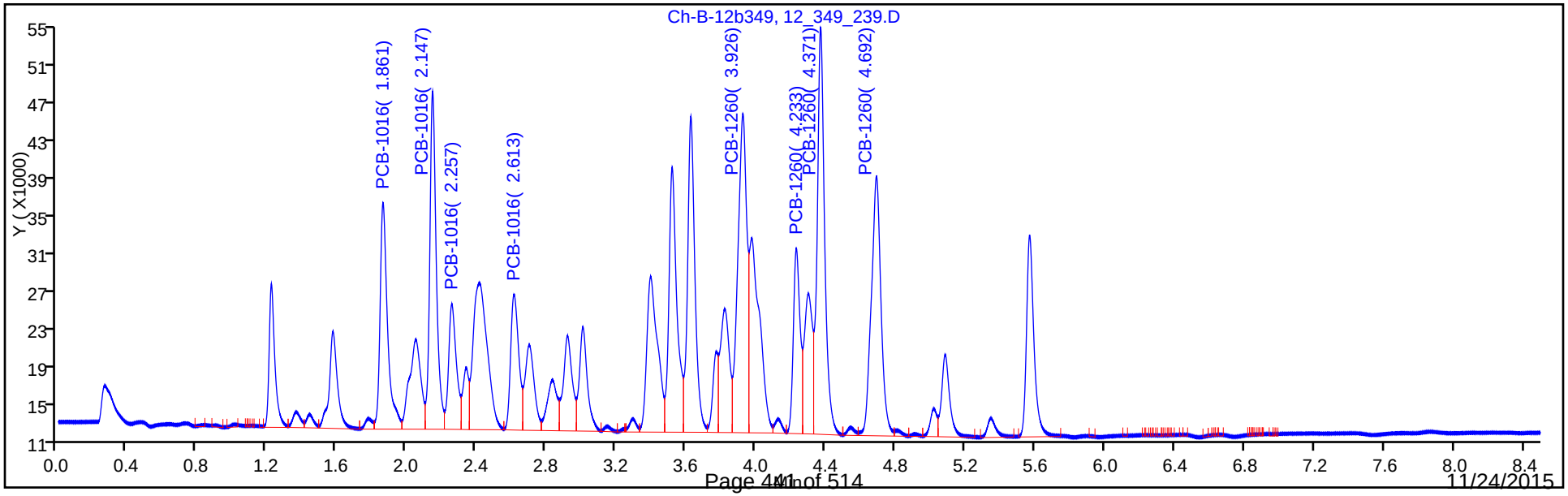
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_239.D

Injection Date:	18-Nov-2015 14:28:36	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	LCS 480-275569/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 18-Nov-2015 18:07:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

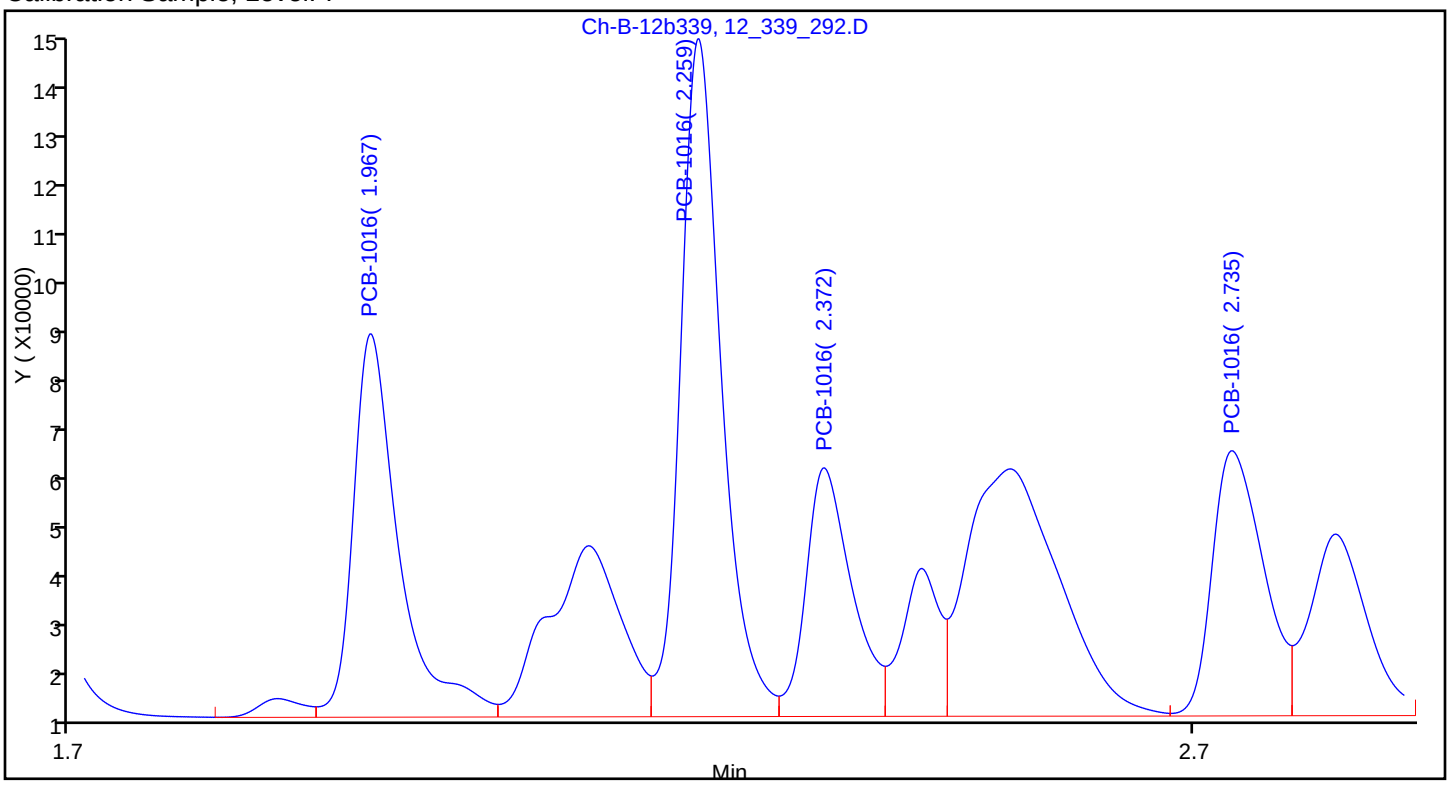
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_239.D

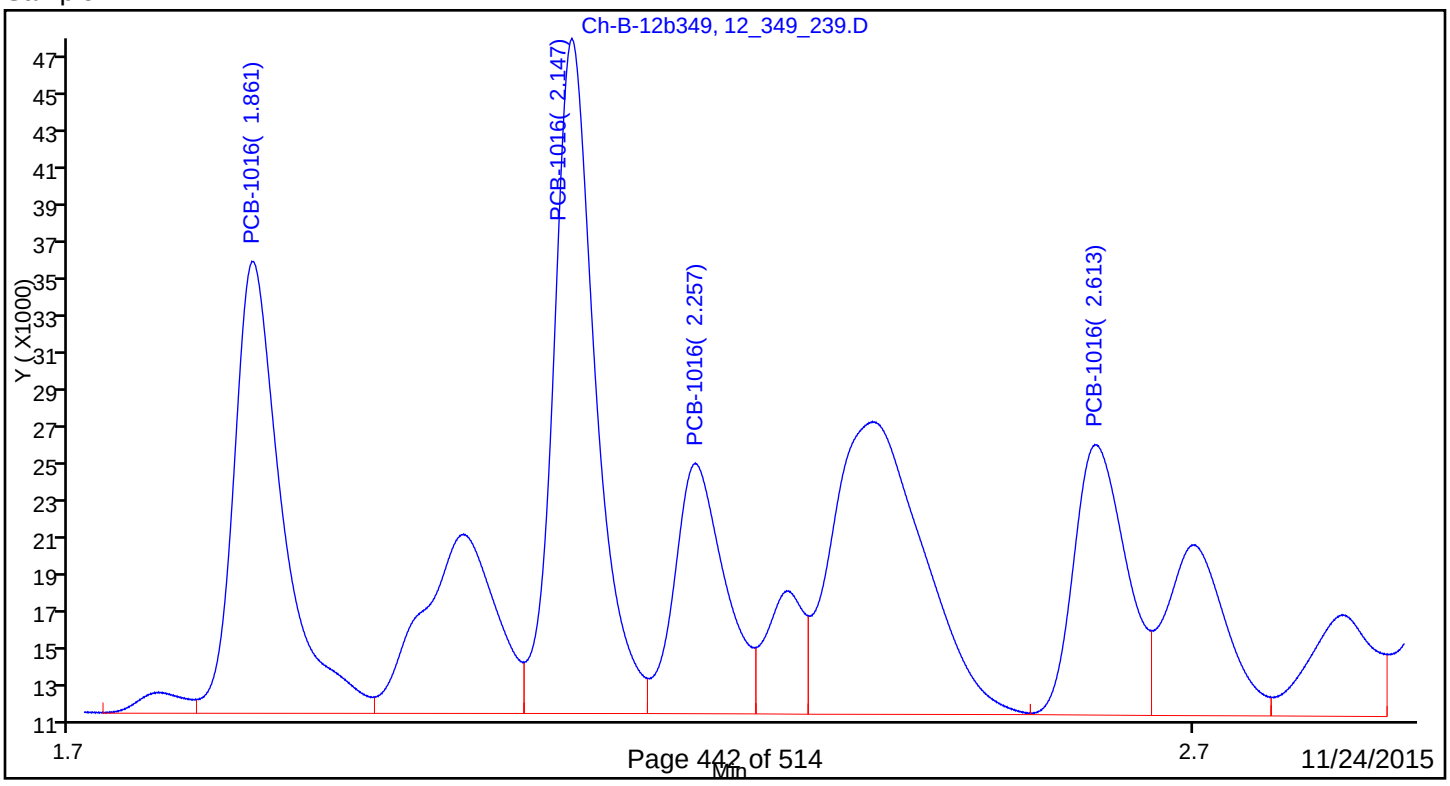
Injection Date:	18-Nov-2015 14:28:36	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-275569/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 18-Nov-2015 18:07:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

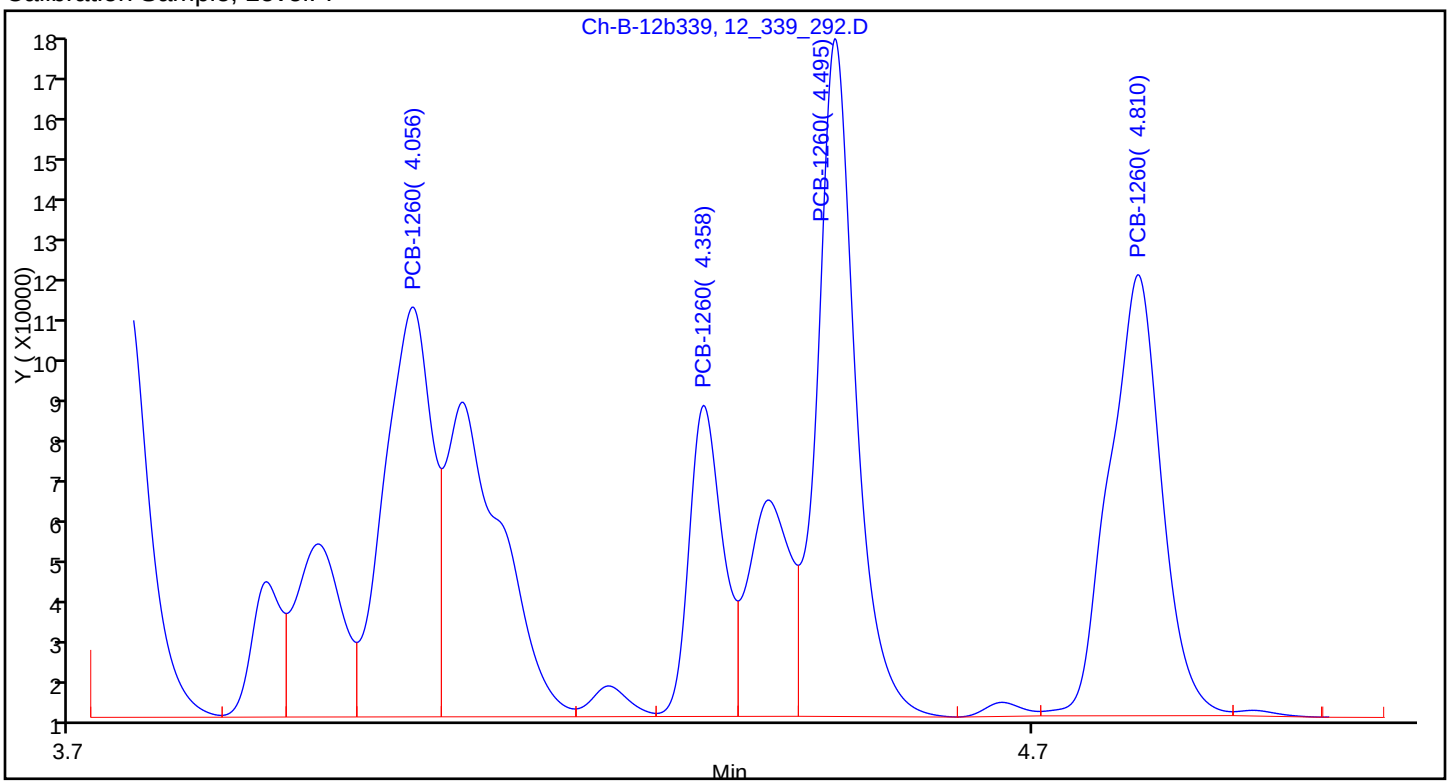
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_239.D

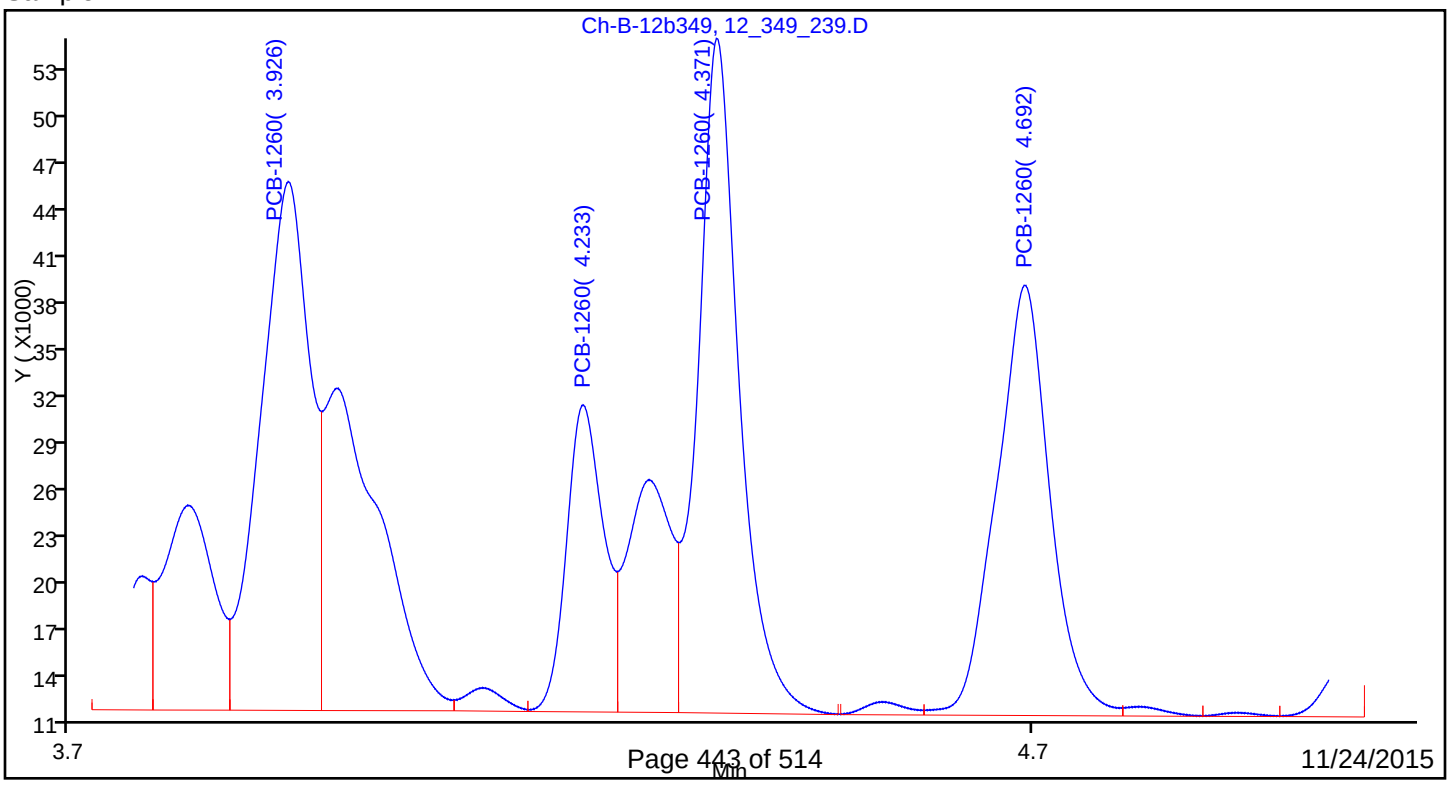
Injection Date:	18-Nov-2015 14:28:36	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-275569/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-275611/2-A

Matrix: Solid | Lab File ID: 12_349_263.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.36(g) | Date Analyzed: 11/18/2015 20:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.55		0.21	0.041
11096-82-5	PCB-1260	2.55		0.21	0.099

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		65-174
877-09-8	Tetrachloro-m-xylene	114		60-154

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_263.D
Lims ID: LCS 480-275611/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Nov-2015 20:44:36 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:35:59 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:36:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.582	1.585	-0.003	71445	0.0200	0.0255	
2	1.221	1.223	-0.002	34164	0.0200	0.0227	
						RPD = 11.36	
6 PCB-1016							M
1	2.129	2.132	-0.003	78363	0.5000	0.5490	M
1	2.264	2.269	-0.005	47933	0.5000	0.5765	
1	2.457	2.461	-0.004	130065	0.5000	0.5449	
1	2.539	2.543	-0.004	56367	0.5000	0.5452	
		Average of Peak Amounts =				0.5539	
2	1.861	1.865	-0.004	70797	0.5000	0.5927	
2	2.146	2.151	-0.005	91606	0.5000	0.6097	
2	2.255	2.261	-0.006	40566	0.5000	0.5808	
2	2.613	2.617	-0.004	45430	0.5000	0.6204	
		Average of Peak Amounts =				0.6009	
						RPD = 8.14	
9 PCB-1260							
1	4.055	4.064	-0.009	160004	0.5000	0.6223	
1	4.273	4.283	-0.010	152256	0.5000	0.6885	
1	4.405	4.415	-0.010	114366	0.5000	0.5149	
1	4.791	4.803	-0.012	144982	0.5000	0.4810	
		Average of Peak Amounts =				0.5767	
2	3.923	3.932	-0.009	116464	0.5000	0.7409	
2	4.229	4.239	-0.010	50290	0.5000	0.5419	
2	4.368	4.379	-0.011	123220	0.5000	0.5753	
2	4.688	4.699	-0.011	99783	0.5000	0.5449	
		Average of Peak Amounts =				0.6008	
						RPD = 4.09	
$ 12 DCB Decachlorobiphenyl							
1	6.083	6.103	-0.020	67290	0.0200	0.0194	
2	5.567	5.580	-0.013	61703	0.0200	0.0233	
						RPD = 18.56	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

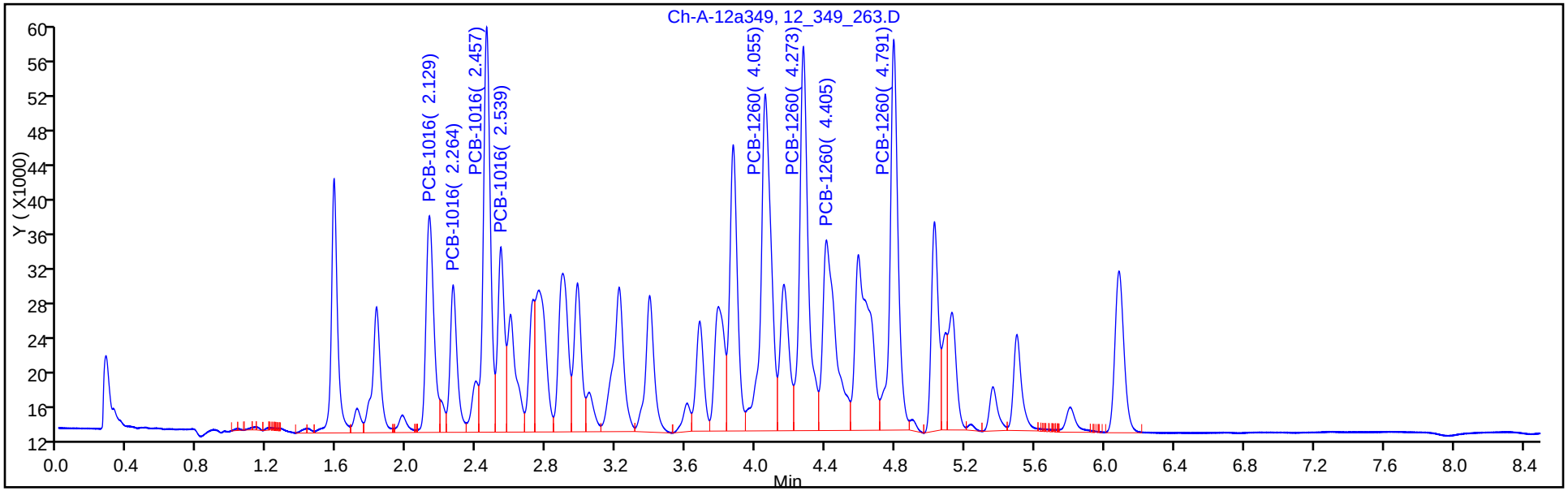
Report Date: 19-Nov-2015 10:36:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

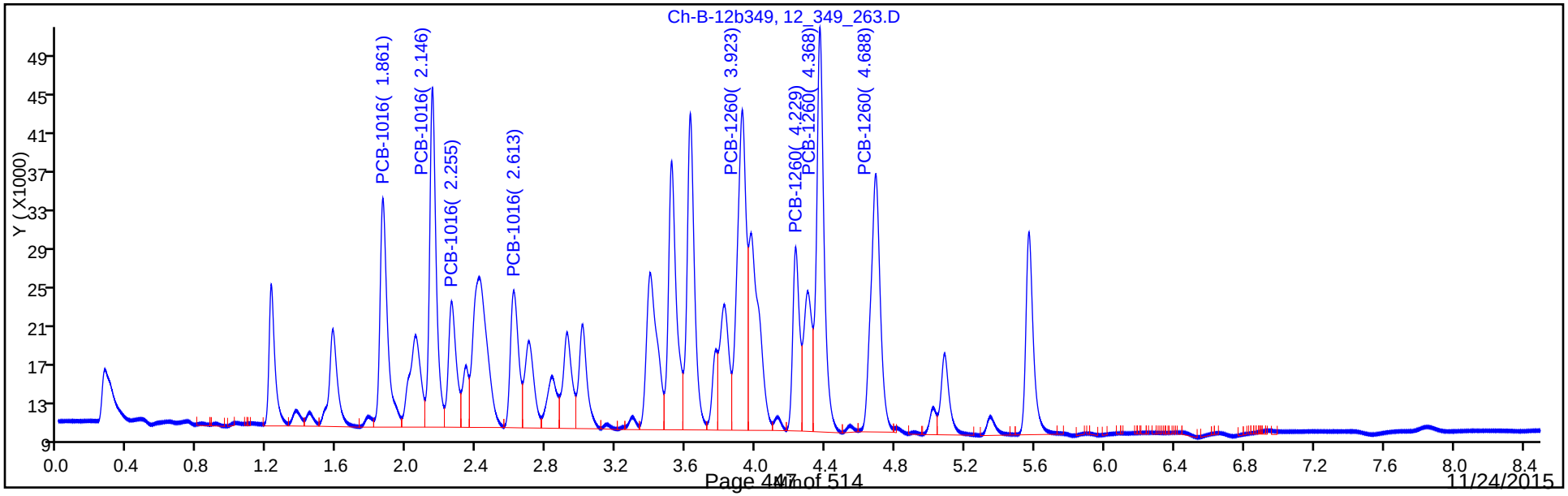
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_263.D

Injection Date:	18-Nov-2015 20:44:36	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	LCS 480-275611/2-A			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 10:36:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

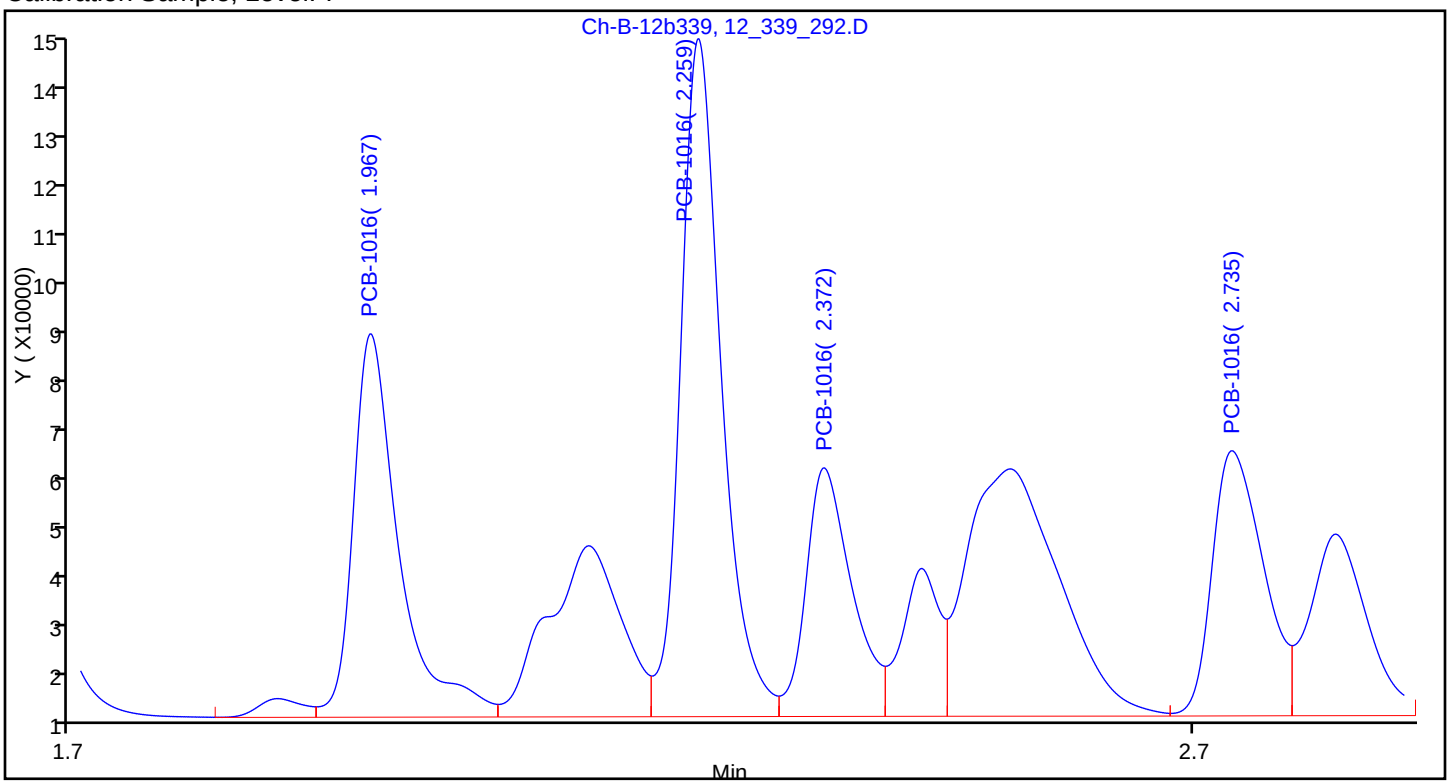
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_263.D

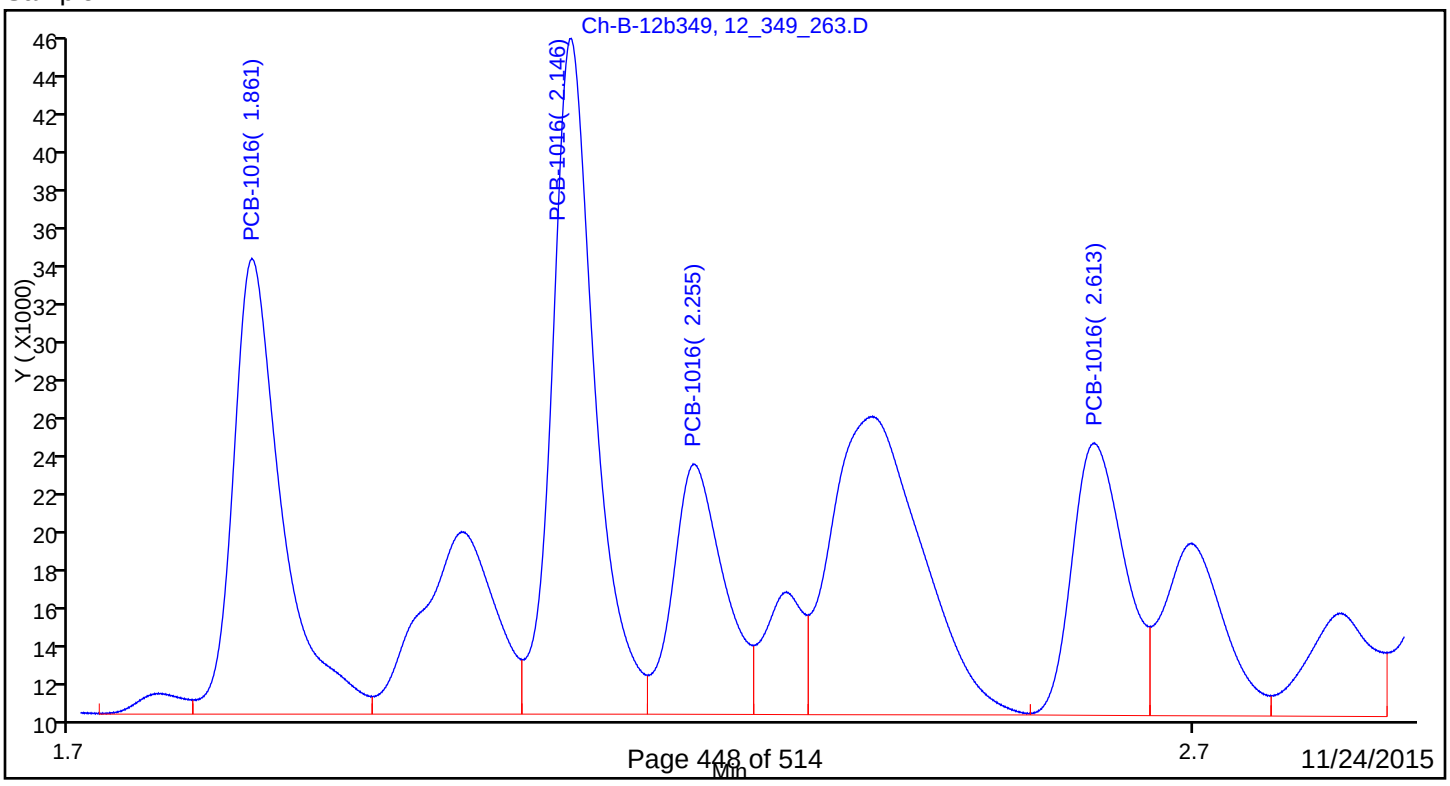
Injection Date:	18-Nov-2015 20:44:36	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-275611/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 19-Nov-2015 10:36:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

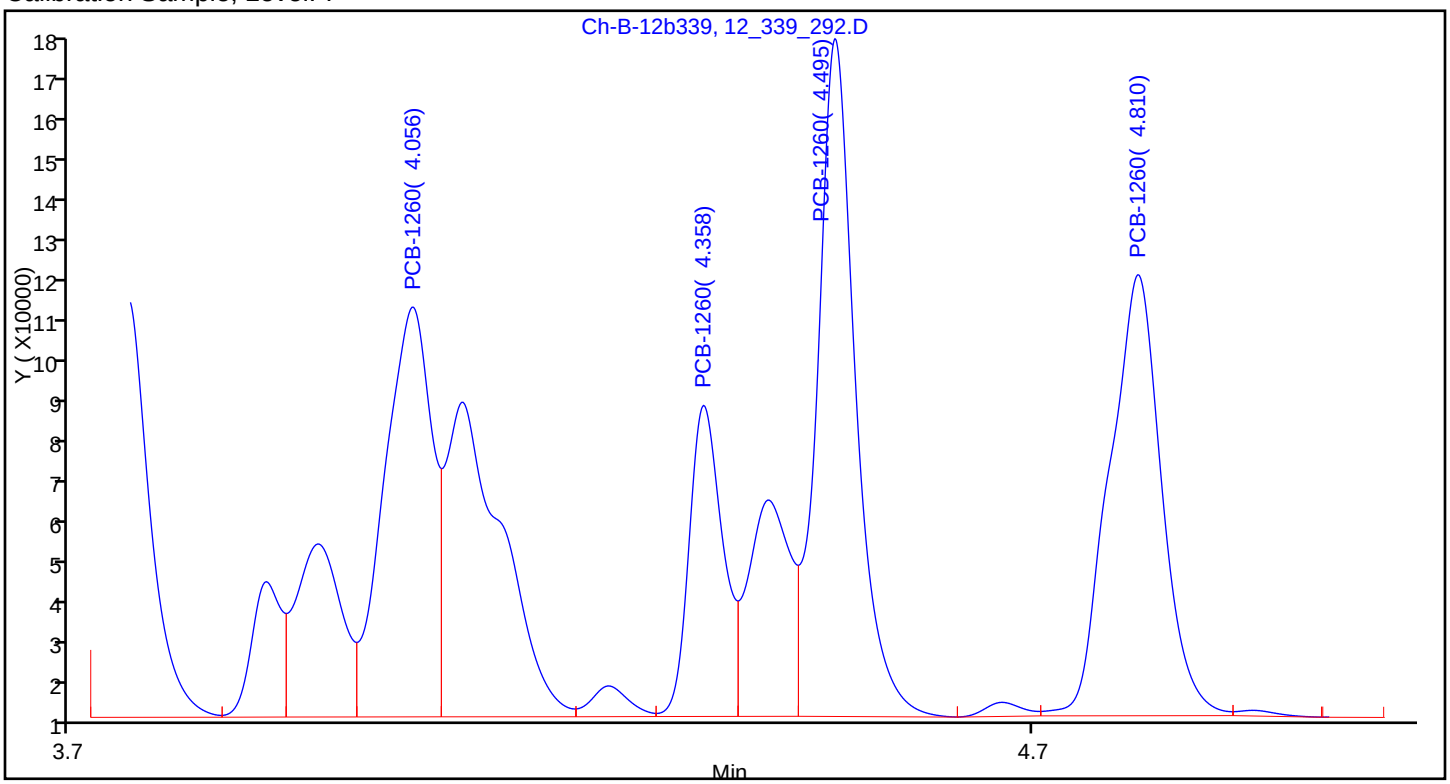
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_263.D

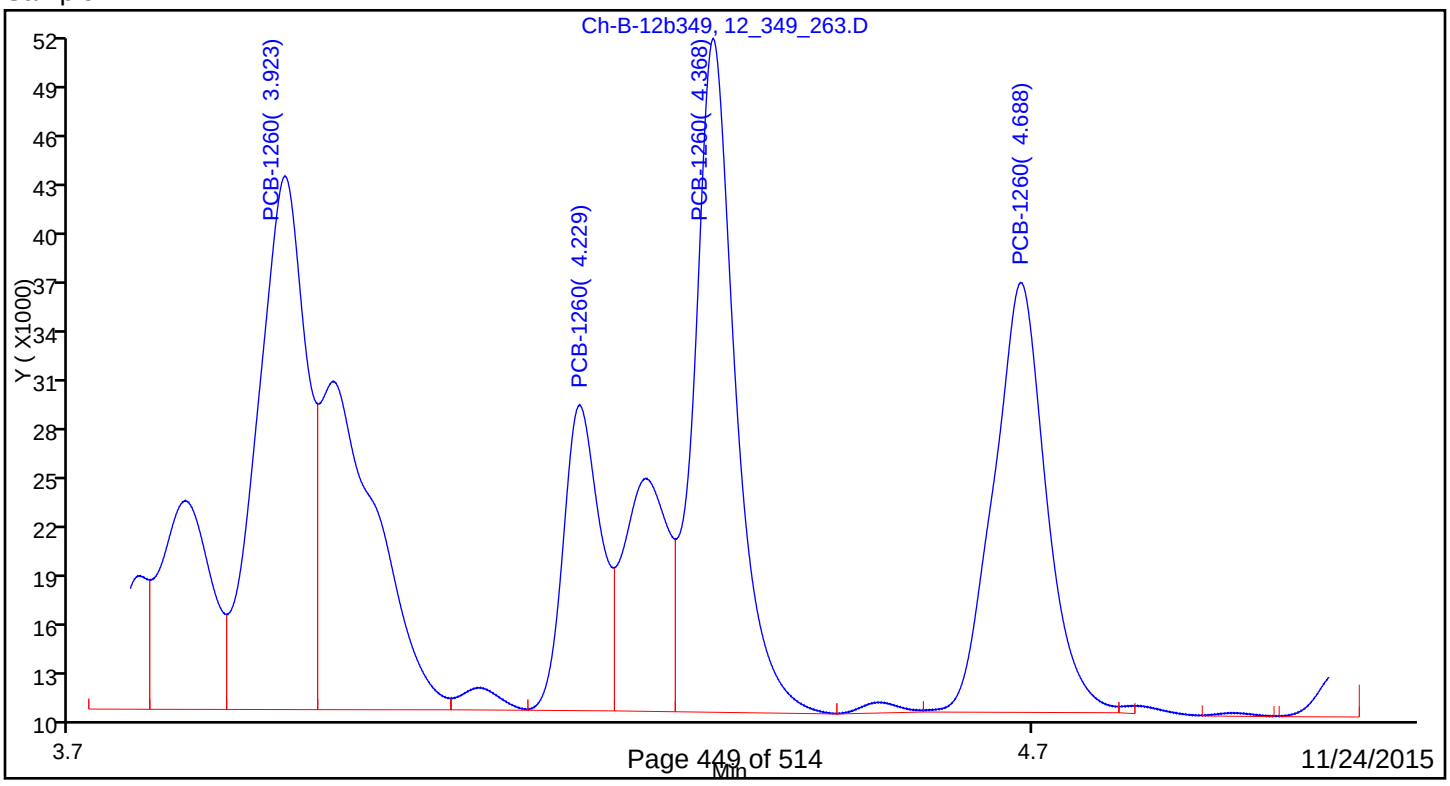
Injection Date:	18-Nov-2015 20:44:36	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-275611/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-275663/2-A

Matrix: Water | Lab File ID: 12_349_295.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 11/18/2015 13:24

Sample wt/vol: 1000(mL) | Date Analyzed: 11/19/2015 05:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.59		0.50	0.18
11096-82-5	PCB-1260	3.31		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	46		19-125
877-09-8	Tetrachloro-m-xylene	69		24-137

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_295.D
Lims ID: LCS 480-275663/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-Nov-2015 05:09:37 ALS Bottle#: 0 Worklist Smp#: 61
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:40:40 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:40:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.584	1.583	0.001	51626	0.0200	0.0184	
2	1.223	1.223	0.000	20607	0.0200	0.0137	
						RPD = 29.23	
6 PCB-1016							M
1	2.131	2.130	0.001	62899	0.5000	0.4407	M
1	2.267	2.267	0.000	40304	0.5000	0.4847	
1	2.459	2.459	0.000	102215	0.5000	0.4282	
1	2.540	2.539	0.001	46710	0.5000	0.4518	
		Average of Peak Amounts =				0.4513	
2	1.864	1.865	-0.001	55229	0.5000	0.4624	
2	2.147	2.148	-0.001	68392	0.5000	0.4552	
2	2.257	2.257	0.000	31181	0.5000	0.4464	
2	2.614	2.614	0.000	34470	0.5000	0.4707	
		Average of Peak Amounts =				0.4587	
						RPD = 1.61	
9 PCB-1260							
1	4.056	4.055	0.001	105462	0.5000	0.4102	
1	4.274	4.273	0.001	99528	0.5000	0.4501	
1	4.406	4.404	0.002	71055	0.5000	0.3199	
1	4.792	4.791	0.001	86614	0.5000	0.2873	
		Average of Peak Amounts =				0.3669	
2	3.923	3.921	0.002	70982	0.5000	0.4515	
2	4.230	4.229	0.001	28578	0.5000	0.3079	
2	4.370	4.368	0.002	64776	0.5000	0.3025	
2	4.689	4.687	0.002	47800	0.5000	0.2610	
		Average of Peak Amounts =				0.3307	
						RPD = 10.35	
$ 12 DCB Decachlorobiphenyl							
1	6.087	6.085	0.002	30372	0.0200	0.008749	
2	5.567	5.565	0.002	24568	0.0200	0.009297	
						RPD = 6.08	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

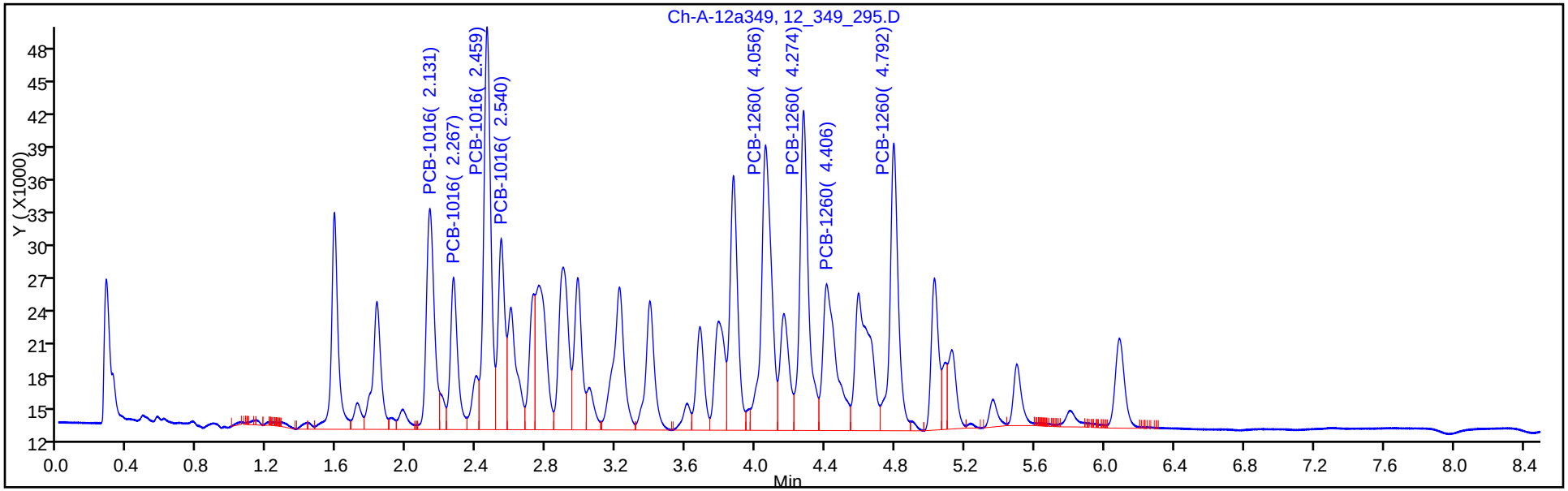
Report Date: 19-Nov-2015 10:40:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

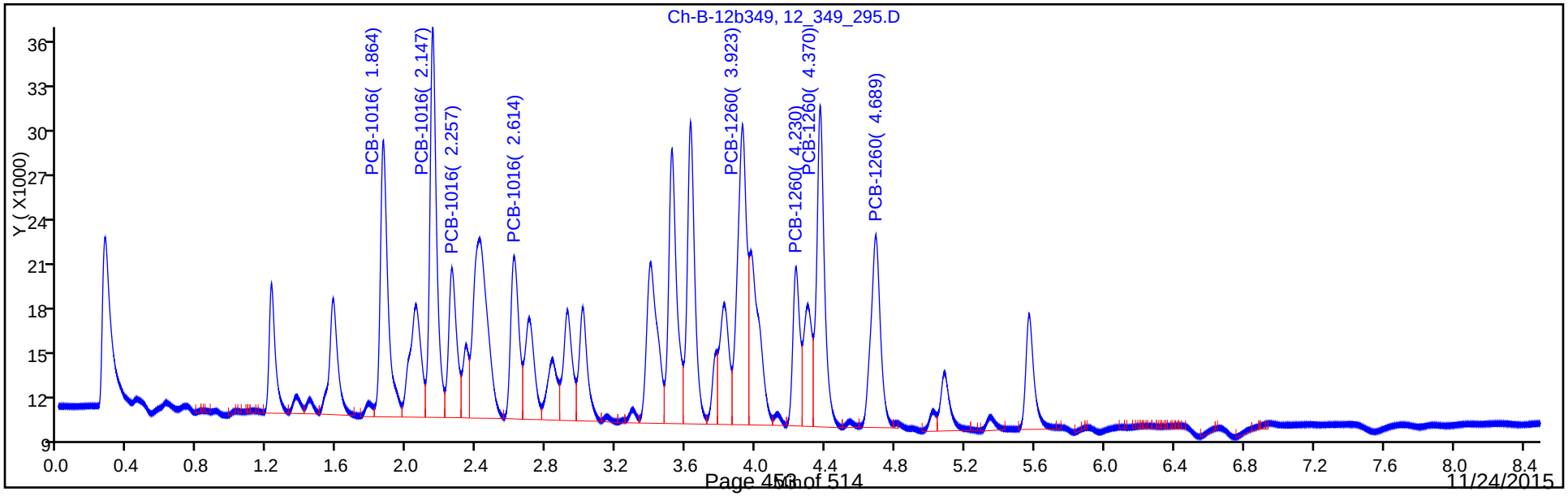
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_295.D

Injection Date:	19-Nov-2015 05:09:37	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	LCS 480-275663/2-A			Worklist Smp#:	61
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 10:40:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

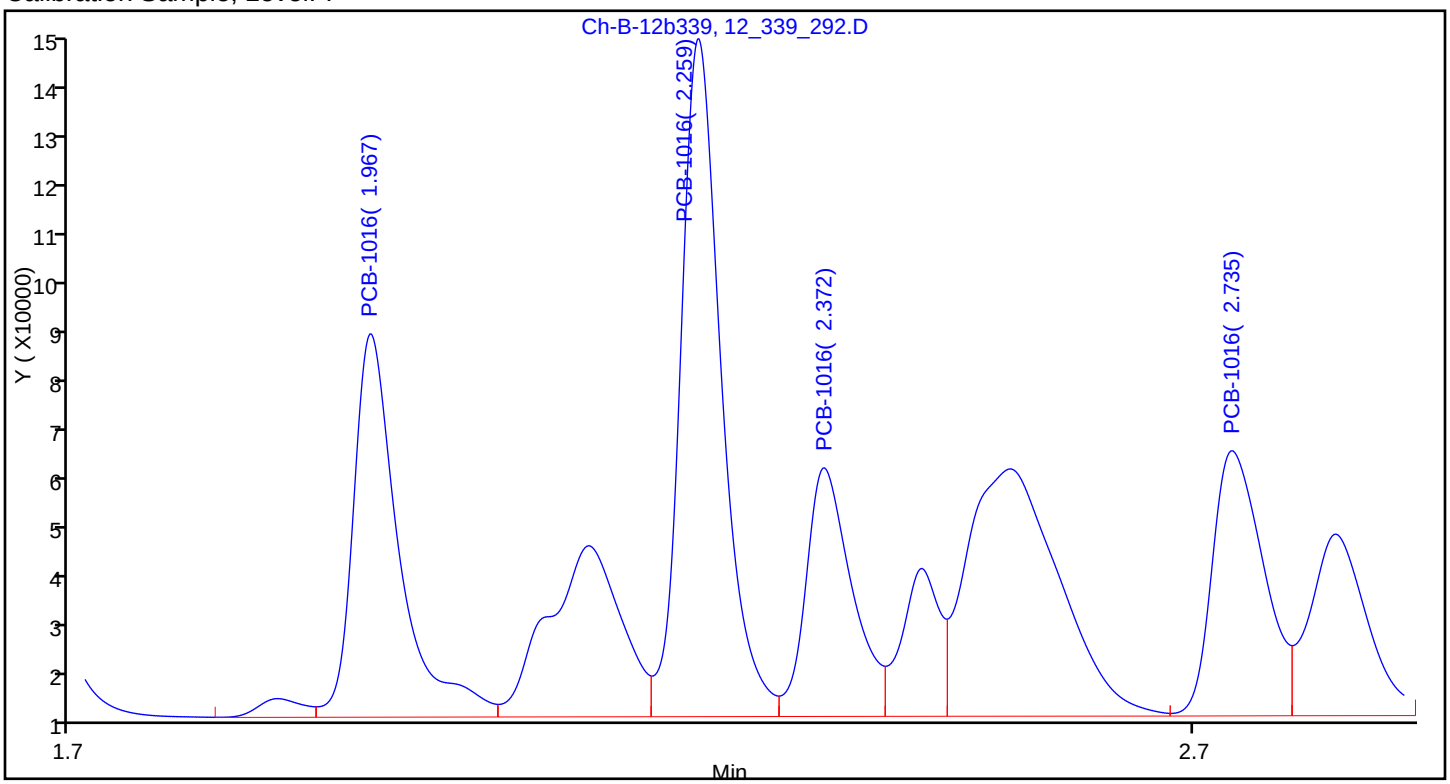
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_295.D

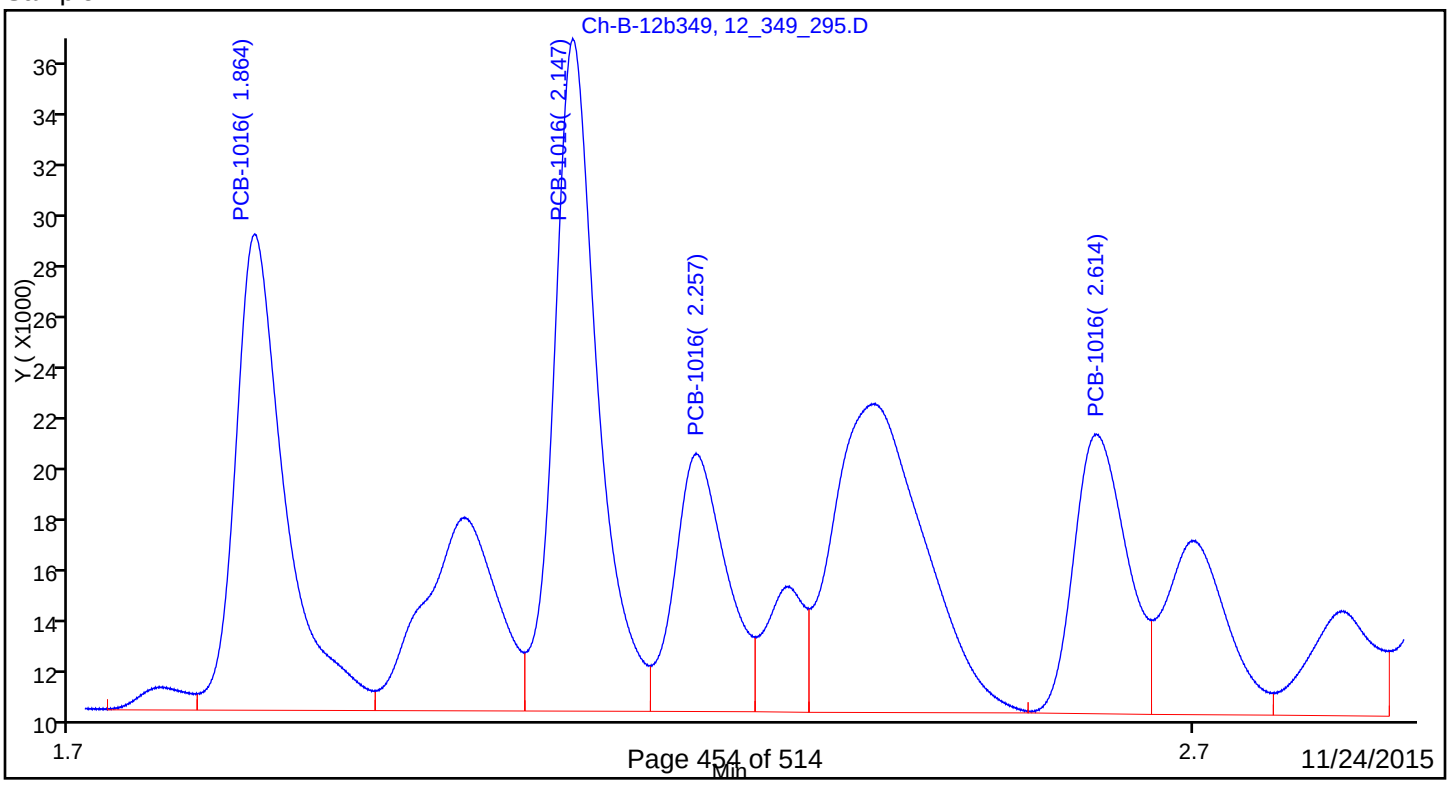
Injection Date:	19-Nov-2015 05:09:37	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-275663/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	61
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 19-Nov-2015 10:40:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

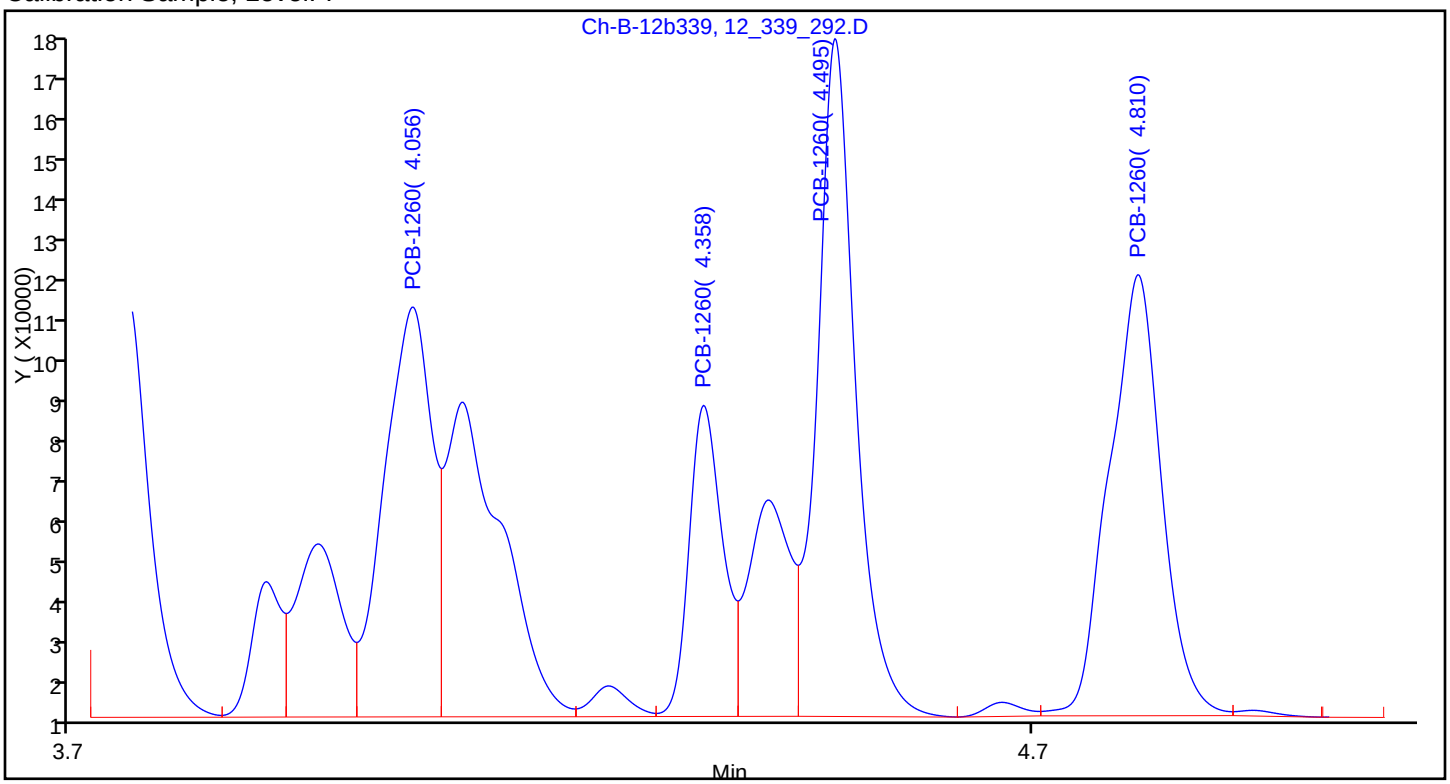
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_295.D

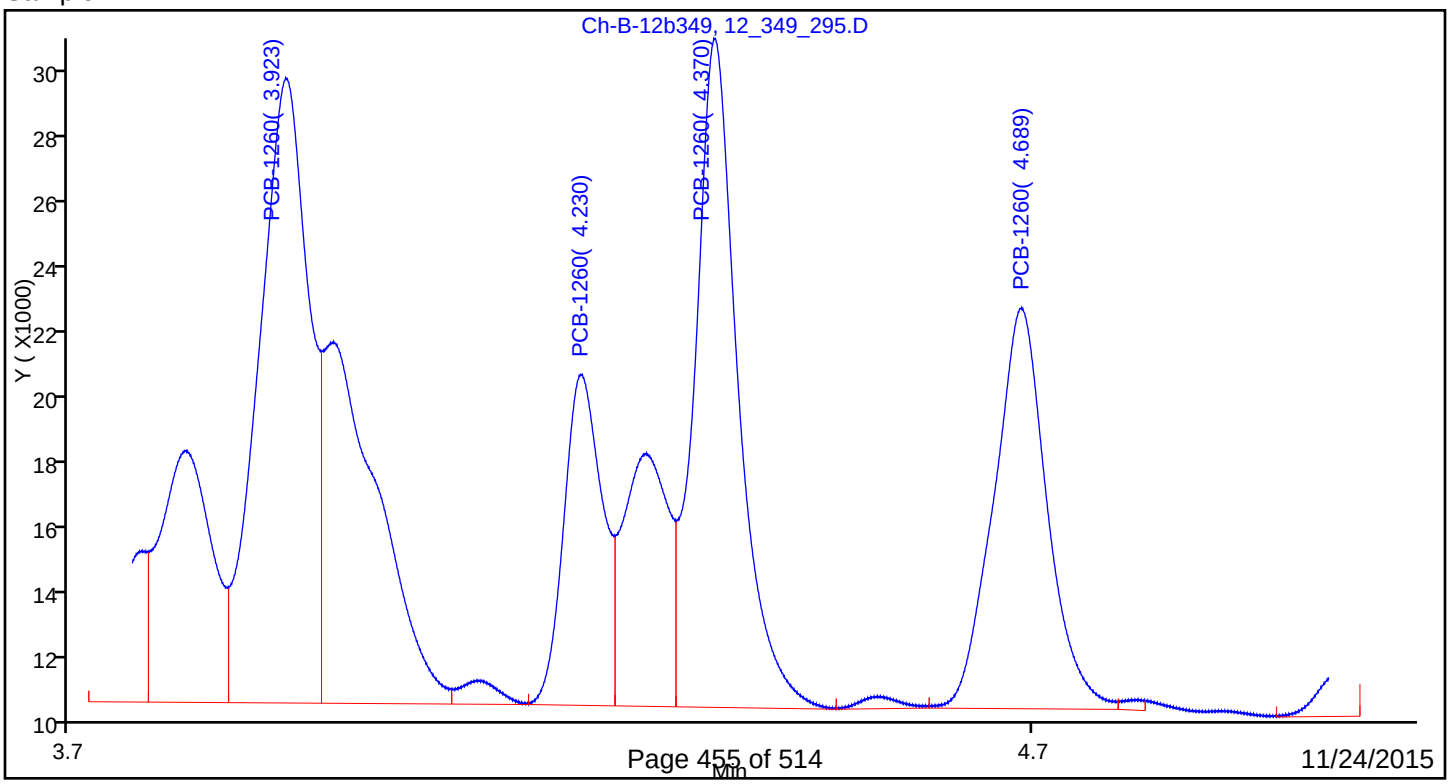
Injection Date:	19-Nov-2015 05:09:37	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-275663/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	61
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-275663/3-A

Matrix: Water | Lab File ID: 12_349_296.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 11/18/2015 13:24

Sample wt/vol: 1000(mL) | Date Analyzed: 11/19/2015 05:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.14		0.50	0.18
11096-82-5	PCB-1260	2.85		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	32		19-125
877-09-8	Tetrachloro-m-xylene	65		24-137

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_296.D
Lims ID: LCSD 480-275663/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 19-Nov-2015 05:25:28 ALS Bottle#: 0 Worklist Smp#: 62
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 10:40:40 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK015

First Level Reviewer: sobolk Date: 19-Nov-2015 10:40:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.585	1.583	0.002	44547	0.0200	0.0159	
2	1.223	1.223	0.000	19638	0.0200	0.0131	
						RPD = 19.44	
6 PCB-1016							M
1	2.131	2.130	0.001	55005	0.5000	0.3854	M
1	2.267	2.267	0.000	33246	0.5000	0.3998	
1	2.459	2.459	0.000	88533	0.5000	0.3709	
1	2.540	2.539	0.001	40054	0.5000	0.3874	
		Average of Peak Amounts =				0.3859	
2	1.864	1.865	-0.001	50535	0.5000	0.4231	
2	2.149	2.148	0.001	60892	0.5000	0.4053	
2	2.257	2.257	0.000	28082	0.5000	0.4021	
2	2.615	2.614	0.001	31236	0.5000	0.4266	
		Average of Peak Amounts =				0.4142	
						RPD = 7.09	
9 PCB-1260							
1	4.056	4.055	0.001	88468	0.5000	0.3441	
1	4.273	4.273	0.000	85224	0.5000	0.3854	
1	4.405	4.404	0.001	57320	0.5000	0.2580	
1	4.791	4.791	0.000	68090	0.5000	0.2259	
		Average of Peak Amounts =				0.3033	
2	3.923	3.921	0.002	61116	0.5000	0.3888	
2	4.229	4.229	0.000	24327	0.5000	0.2621	
2	4.369	4.368	0.001	55877	0.5000	0.2609	
2	4.687	4.687	0.000	41986	0.5000	0.2293	
		Average of Peak Amounts =				0.2853	
						RPD = 6.14	
$ 12 DCB Decachlorobiphenyl							
1	6.085	6.085	0.000	19185	0.0200	0.005526	
2	5.567	5.565	0.002	17056	0.0200	0.006454	
						RPD = 15.49	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

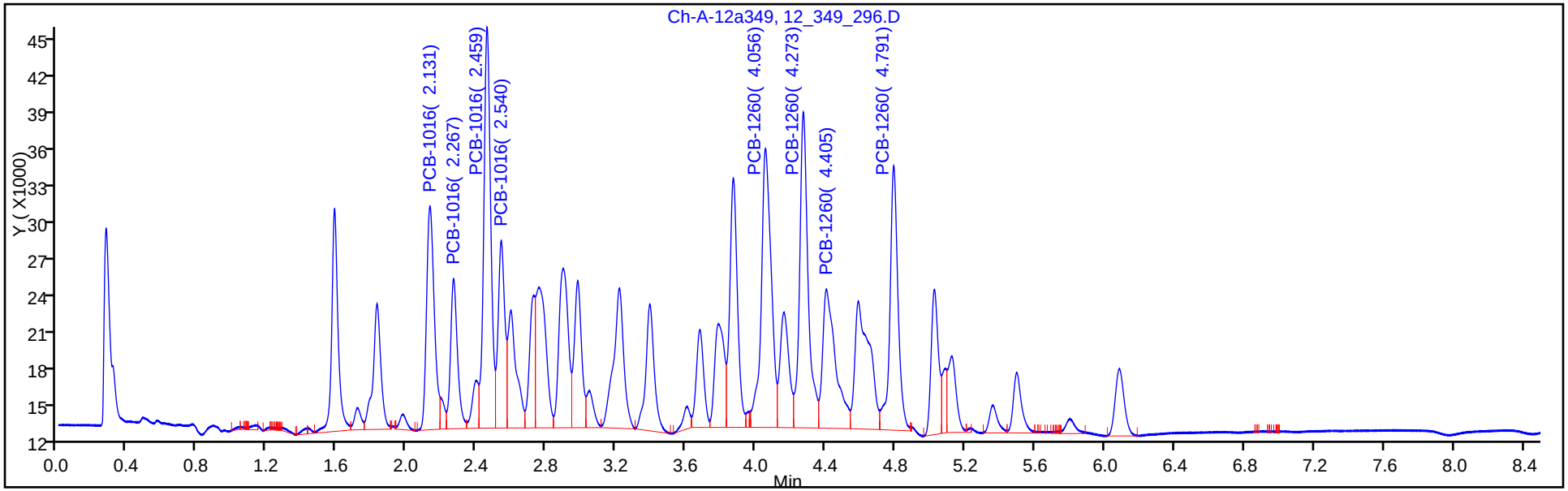
Report Date: 19-Nov-2015 10:40:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

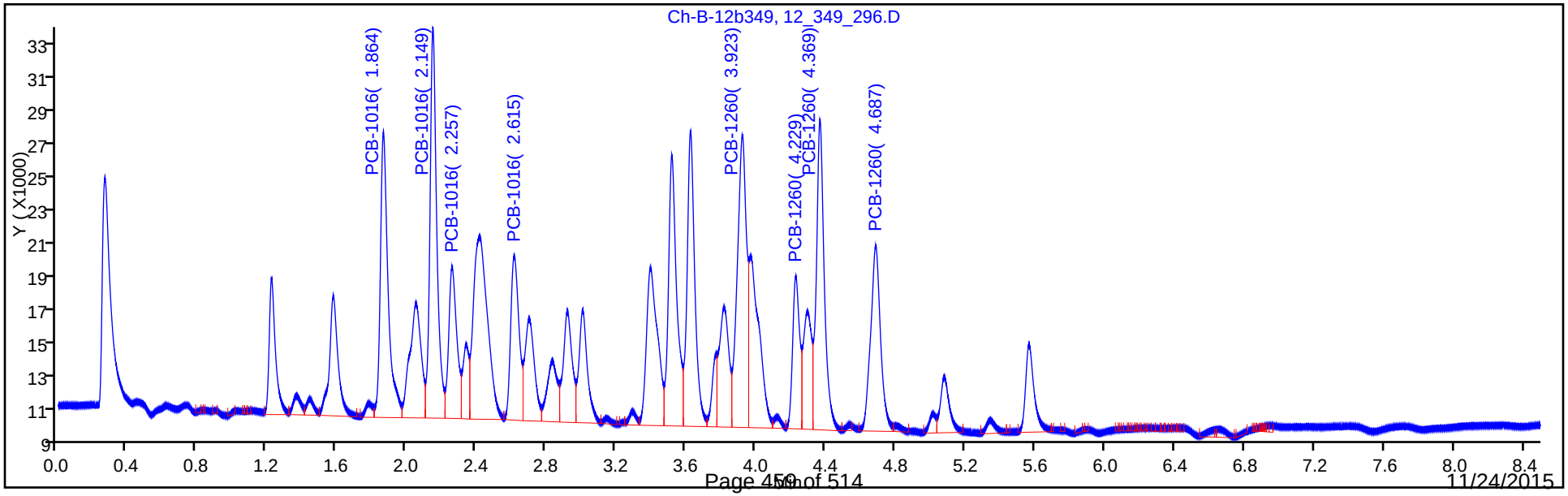
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_296.D

Injection Date:	19-Nov-2015 05:25:28	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	LCSD 480-275663/3-A			Worklist Smp#:	62
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 10:40:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

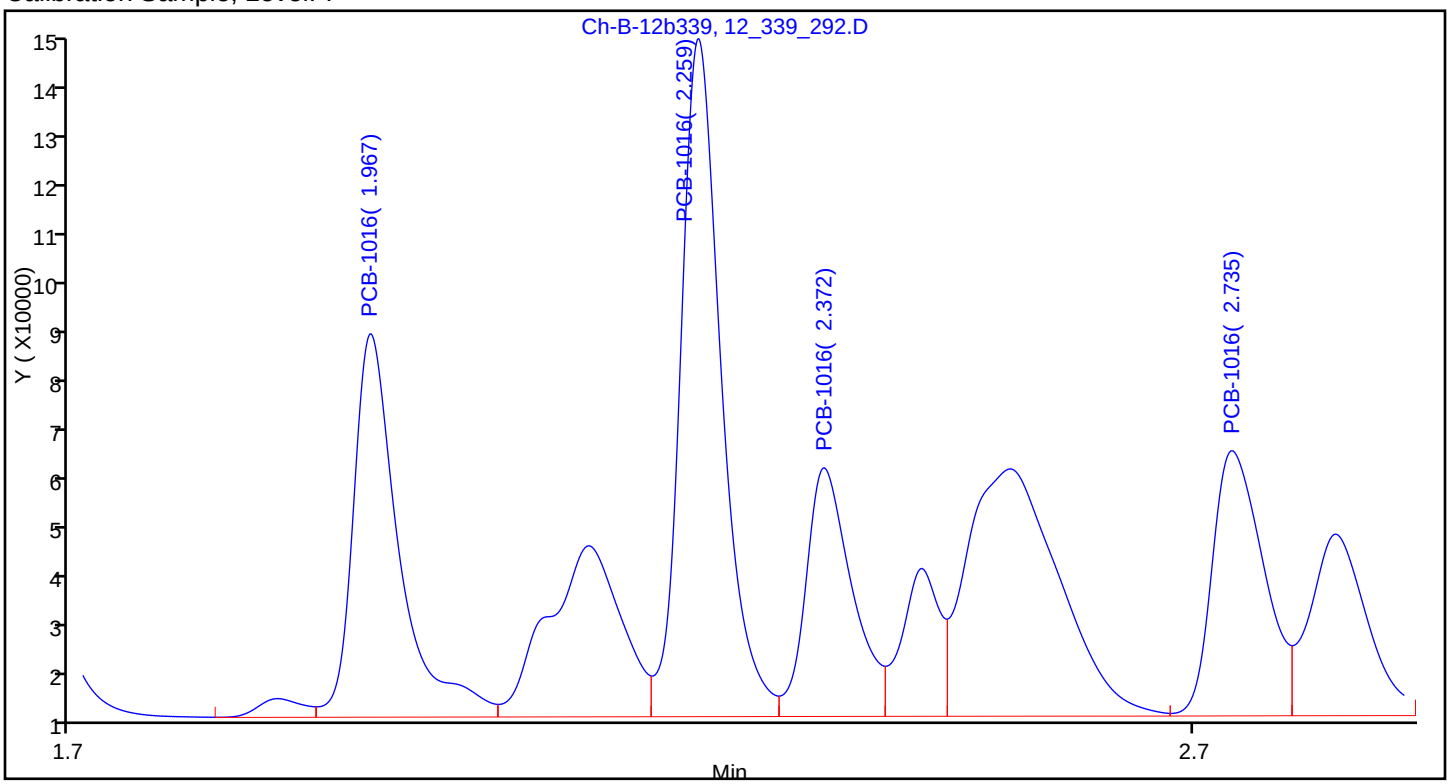
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_296.D

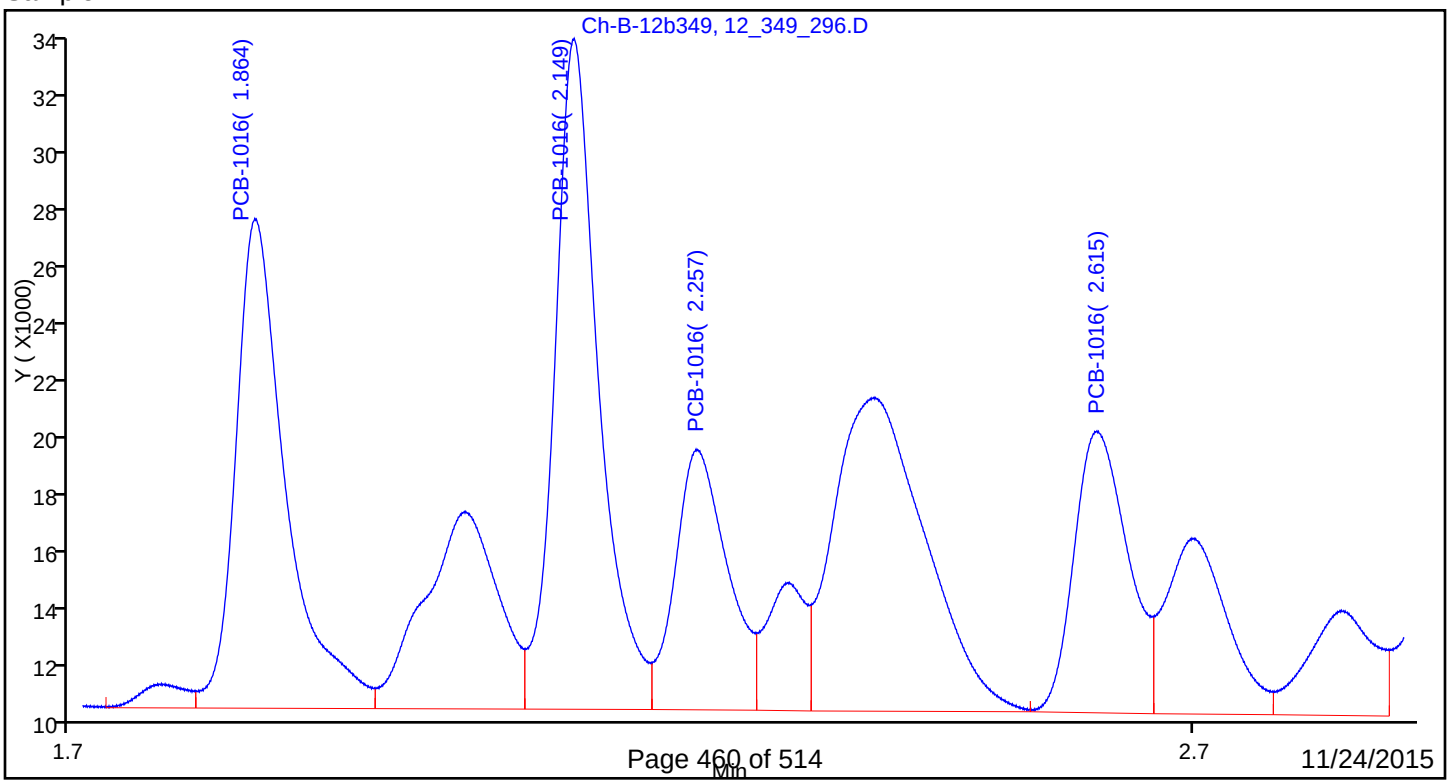
Injection Date:	19-Nov-2015 05:25:28	Instrument ID:	HP5890-12		
Lims ID:	LCSD 480-275663/3-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	62
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 19-Nov-2015 10:40:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

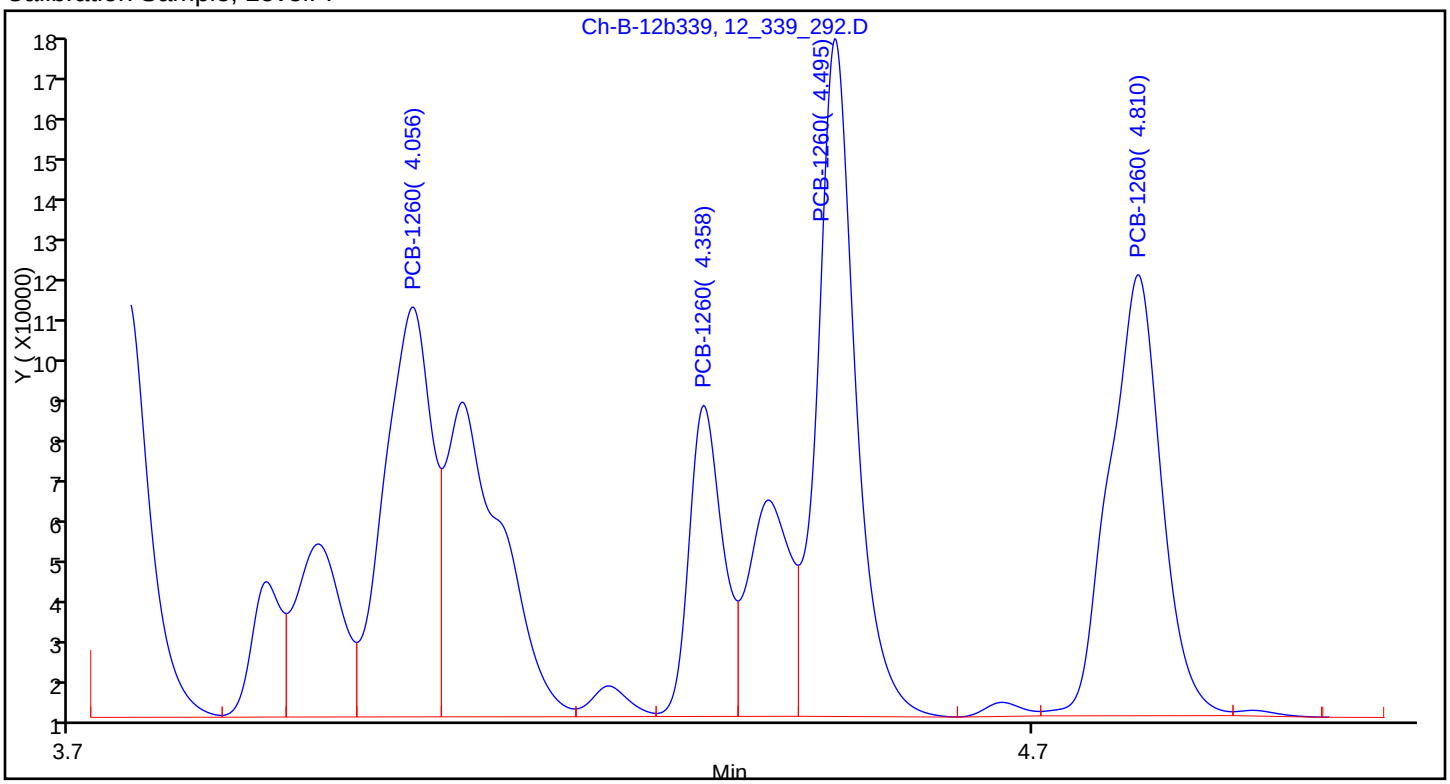
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_296.D

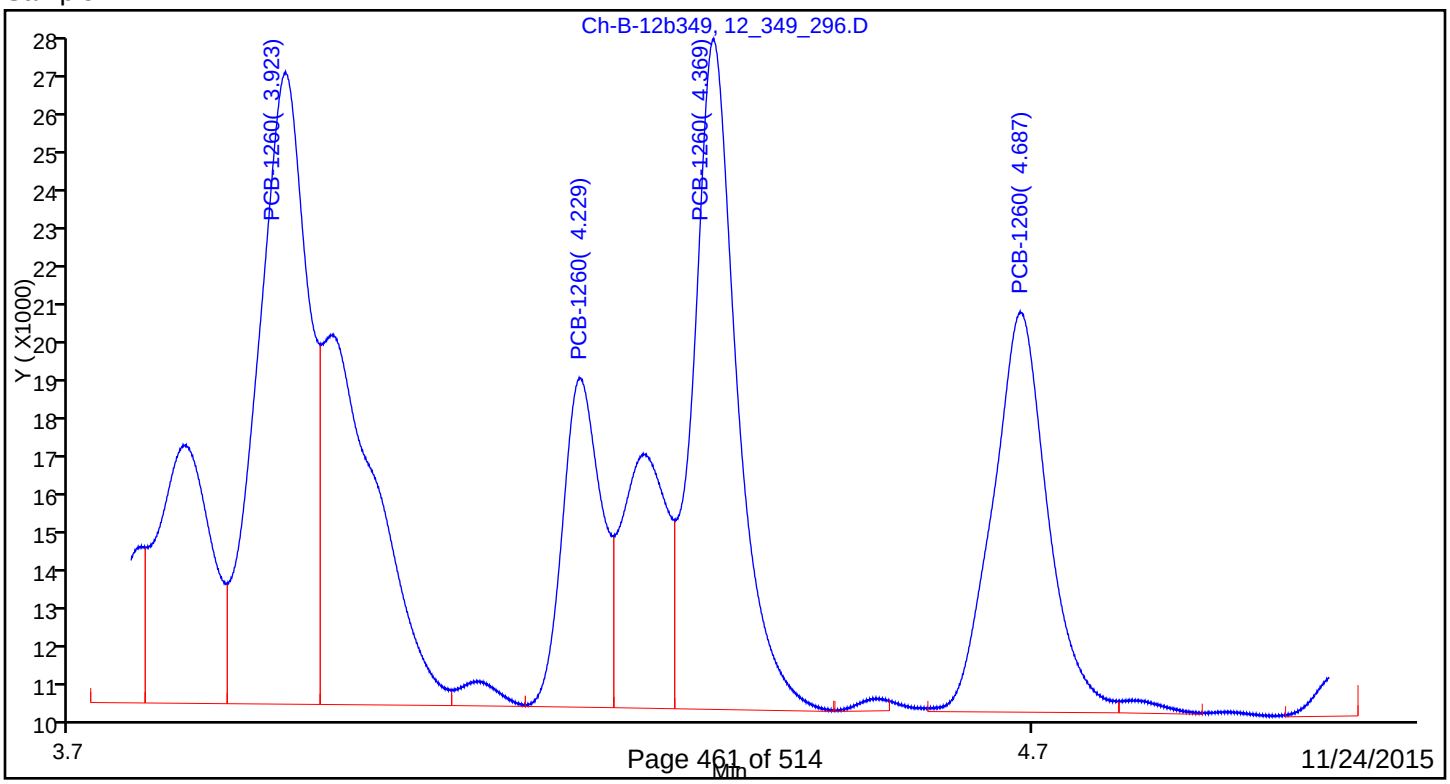
Injection Date:	19-Nov-2015 05:25:28	Instrument ID:	HP5890-12
Lims ID:	LCSD 480-275663/3-A		
Client ID:			
Operator ID:	buftchrom	ALS Bottle#:	0 Worklist Smp#: 62
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-6 MS | Lab Sample ID: 480-91253-11 MS

Matrix: Solid | Lab File ID: 12_349_264.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:35

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.13(g) | Date Analyzed: 11/18/2015 21:00

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.22		0.28	0.055
11104-28-2	PCB-1221	ND		0.28	0.055
11141-16-5	PCB-1232	ND		0.28	0.055
53469-21-9	PCB-1242	ND		0.28	0.055
12672-29-6	PCB-1248	ND		0.28	0.055
11097-69-1	PCB-1254	3.89		0.28	0.13
11096-82-5	PCB-1260	3.95		0.28	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		60-154
2051-24-3	DCB Decachlorobiphenyl	115		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D
Lims ID: 480-91253-A-11-A MS
Client ID: SS21-6
Sample Type: MS
Inject. Date: 18-Nov-2015 21:00:23 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:01:25 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:01:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.581	1.583	-0.002	70270	0.0200	0.0250	
2	1.221	1.223	-0.002	31598	0.0200	0.0210	
						RPD = 17.48	
6 PCB-1016							M
1	2.128	2.130	-0.002	83449	0.5000	0.5847	
1	2.263	2.267	-0.004	47495	0.5000	0.5712	
1	2.455	2.459	-0.004	125659	0.5000	0.5264	
1	2.537	2.539	-0.002	54655	0.5000	0.5286	
		Average of Peak Amounts =				0.5527	
2	1.861	1.865	-0.004	68761	0.5000	0.5756	M
2	2.144	2.148	-0.004	86872	0.5000	0.5782	M
2	2.254	2.257	-0.003	38175	0.5000	0.5466	M
2	2.610	2.614	-0.004	42882	0.5000	0.5856	M
		Average of Peak Amounts =				0.5715	
						RPD = 3.34	
8 PCB-1254							M
1	3.215	3.217	-0.002	89525		0.4183	
1	3.604	3.605	-0.001	25313		0.1547	
1	3.678	3.682	-0.004	71639		0.3392	
1	3.870	3.879	-0.009	142929		0.6505	
		Average of Peak Amounts =				0.3907	
2	3.005	3.006	-0.001	66761		0.4994	M
2	3.387	3.377	0.010	95420		0.4932	M
2	3.513	3.511	0.002	122834		0.6588	M
2	3.921	3.928	-0.007	159687		1.12	M
		Average of Peak Amounts =				0.6917	
						RPD = 55.63	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1260							M
1	4.053	4.055	-0.002	206215	0.5000	0.8020	
1	4.271	4.273	-0.002	201465	0.5000	0.9111	
1	4.403	4.404	-0.001	99700	0.5000	0.4488	
1	4.789	4.791	-0.002	148657	0.5000	0.4932	
		Average of Peak Amounts =				0.6638	
2	3.921	3.921	0.000	159687	0.5000	1.02	M
2	4.227	4.229	-0.002	57201	0.5000	0.6164	M
2	4.367	4.368	-0.001	129807	0.5000	0.6061	M
2	4.686	4.687	-0.001	104708	0.5000	0.5718	M
		Average of Peak Amounts =				0.7025	
						RPD = 5.68	
$ 12 DCB Decachlorobiphenyl							
1	6.081	6.085	-0.004	63918	0.0200	0.0184	
2	5.566	5.565	0.001	60615	0.0200	0.0229	
						RPD = 21.89	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

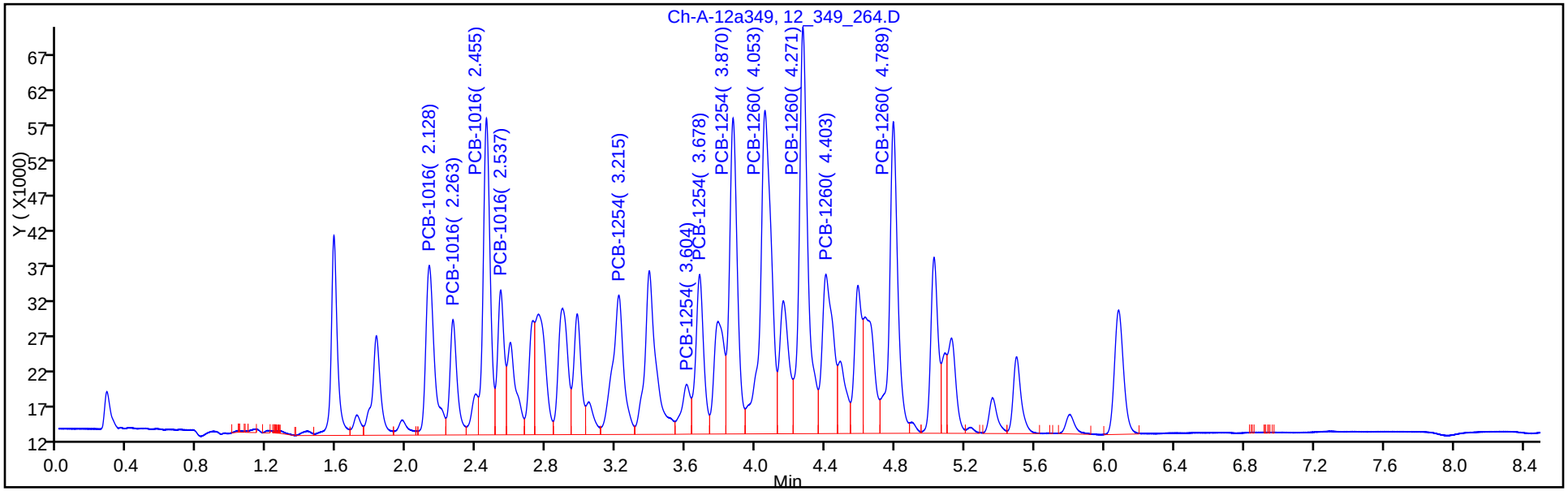
Report Date: 19-Nov-2015 12:01:28 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

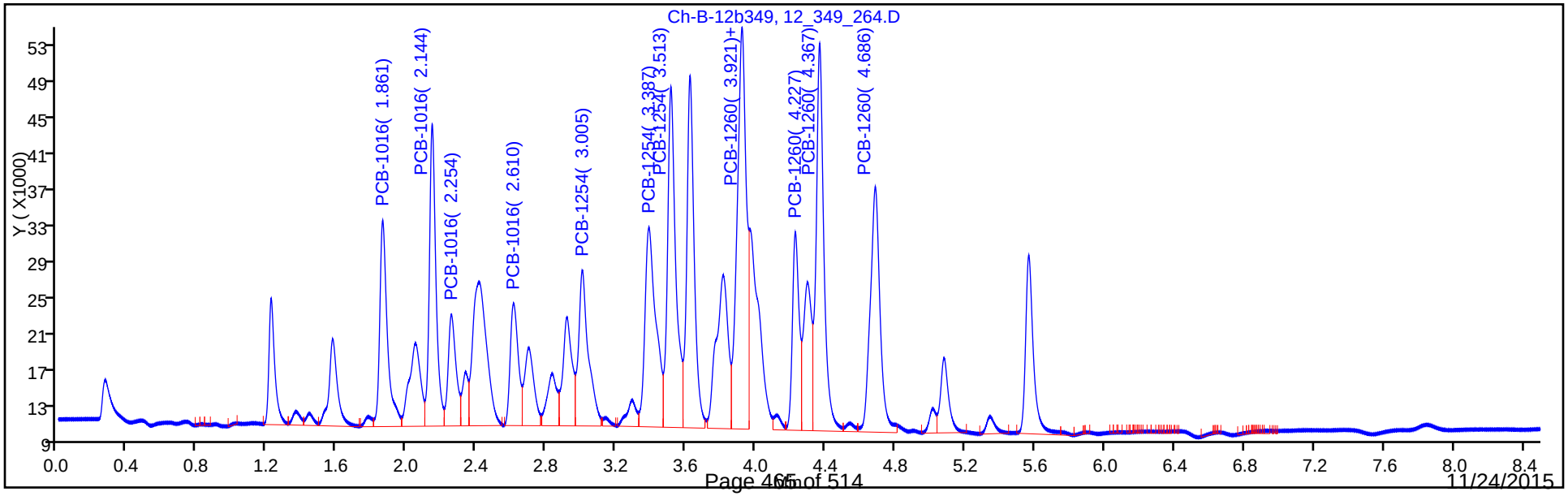
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D

Injection Date:	18-Nov-2015 21:00:23	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-11-A MS			Worklist Smp#:	30
Client ID:	SS21-6				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:01:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

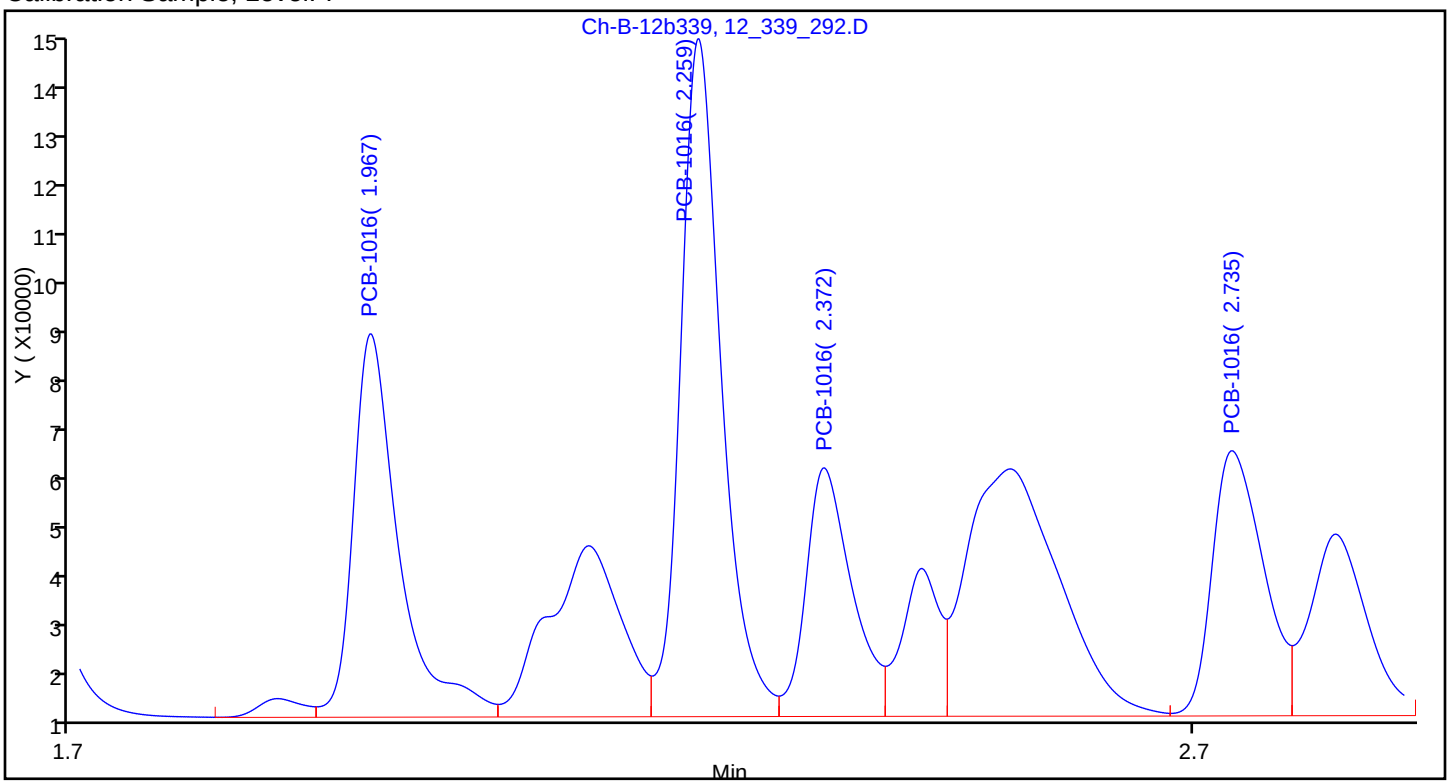
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D

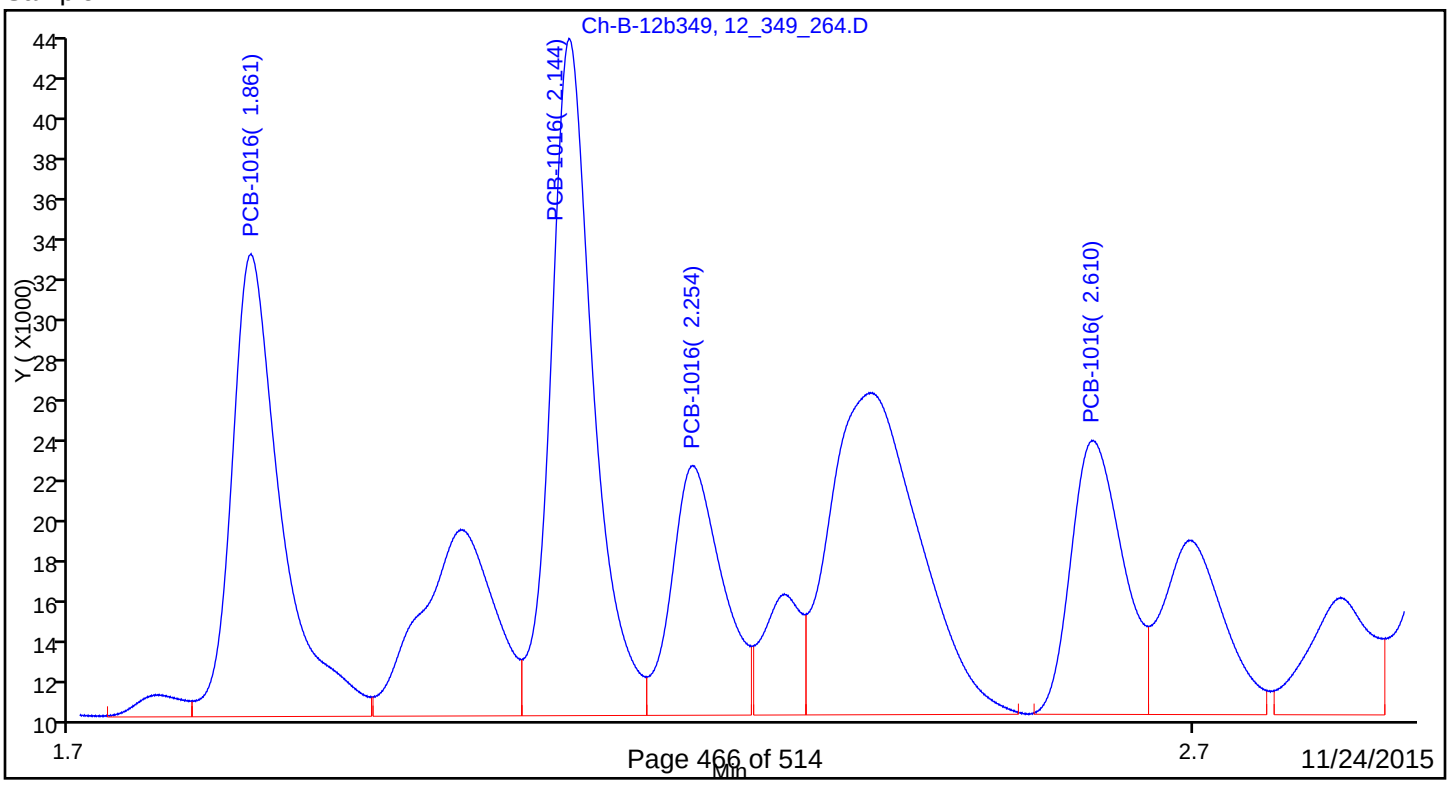
Injection Date:	18-Nov-2015 21:00:23	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-A MS				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 19-Nov-2015 12:01:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

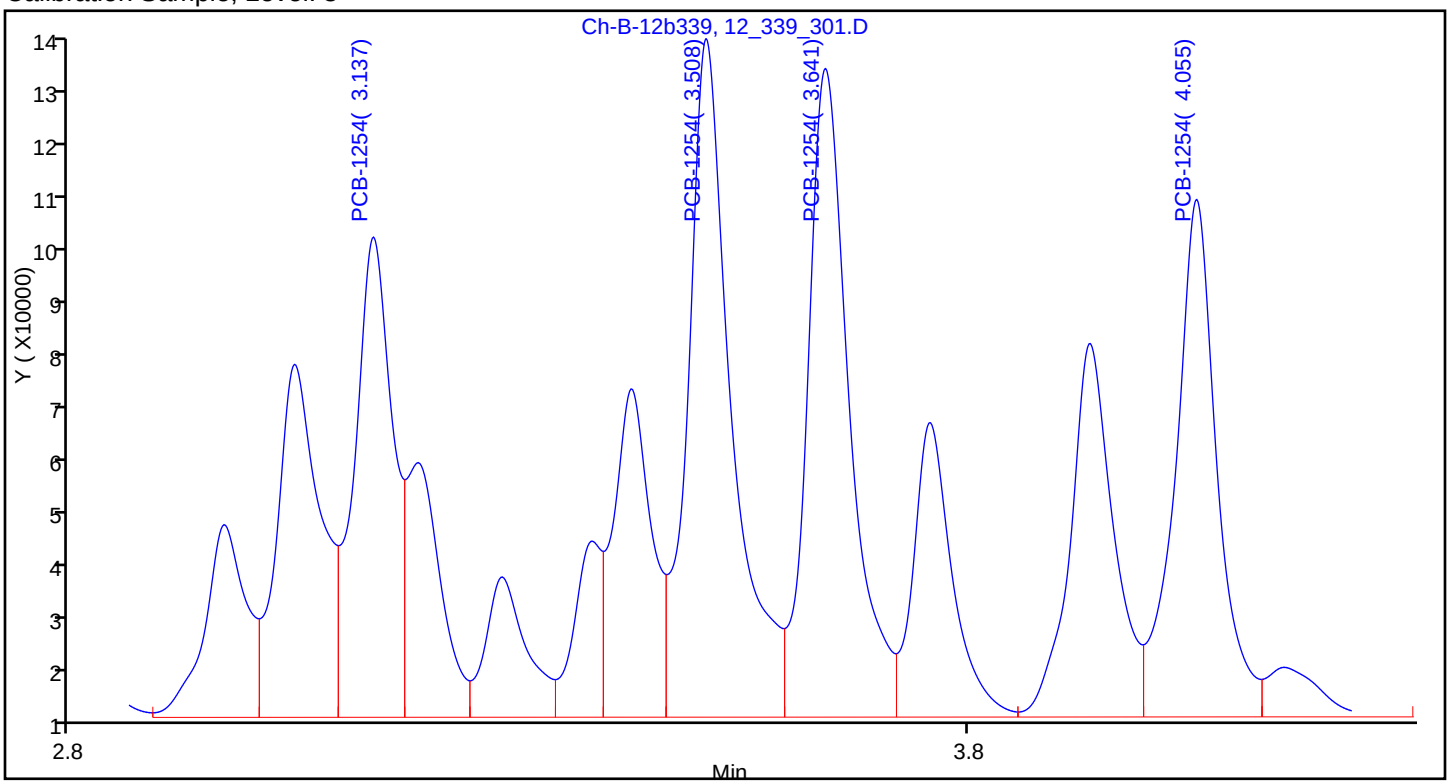
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D

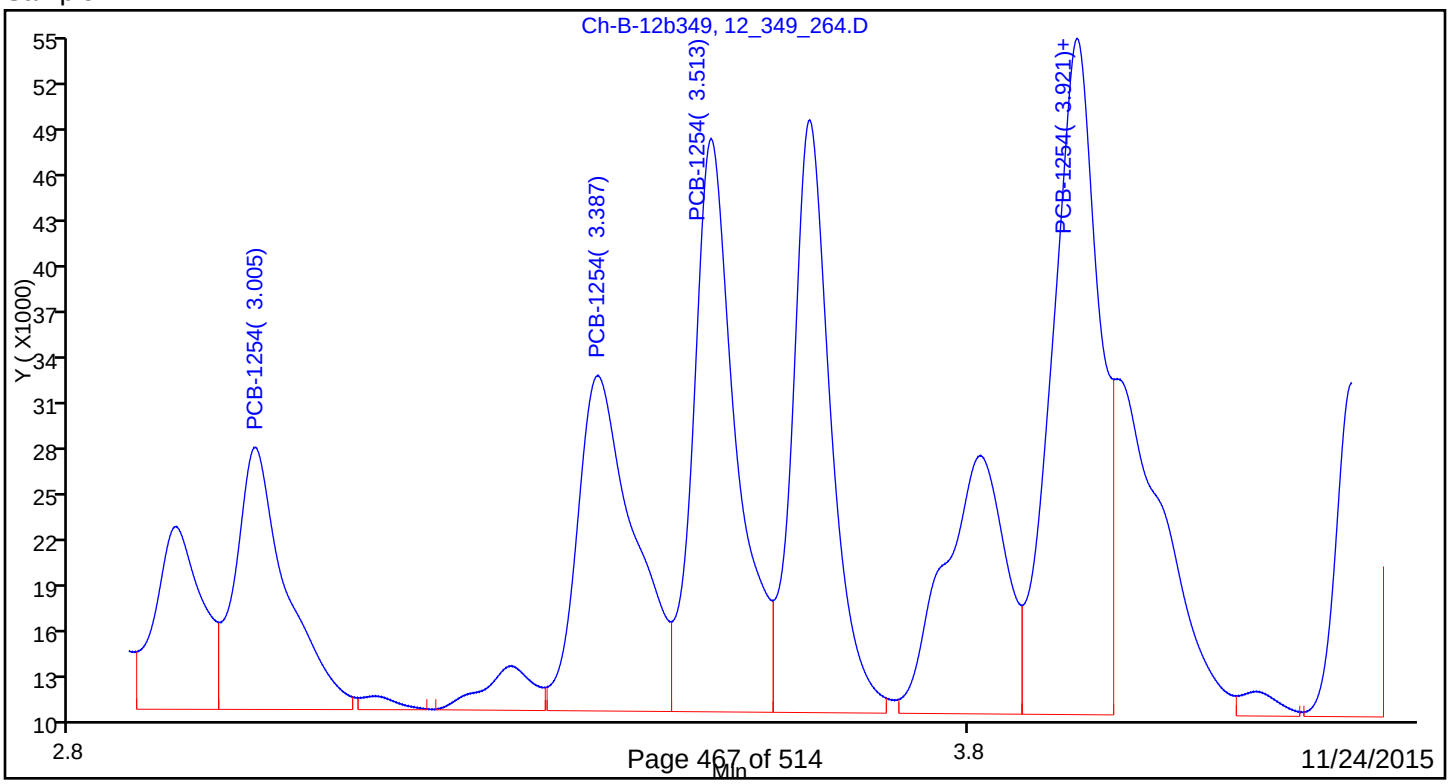
Injection Date:	18-Nov-2015 21:00:23	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-A MS				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



Report Date: 19-Nov-2015 12:01:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

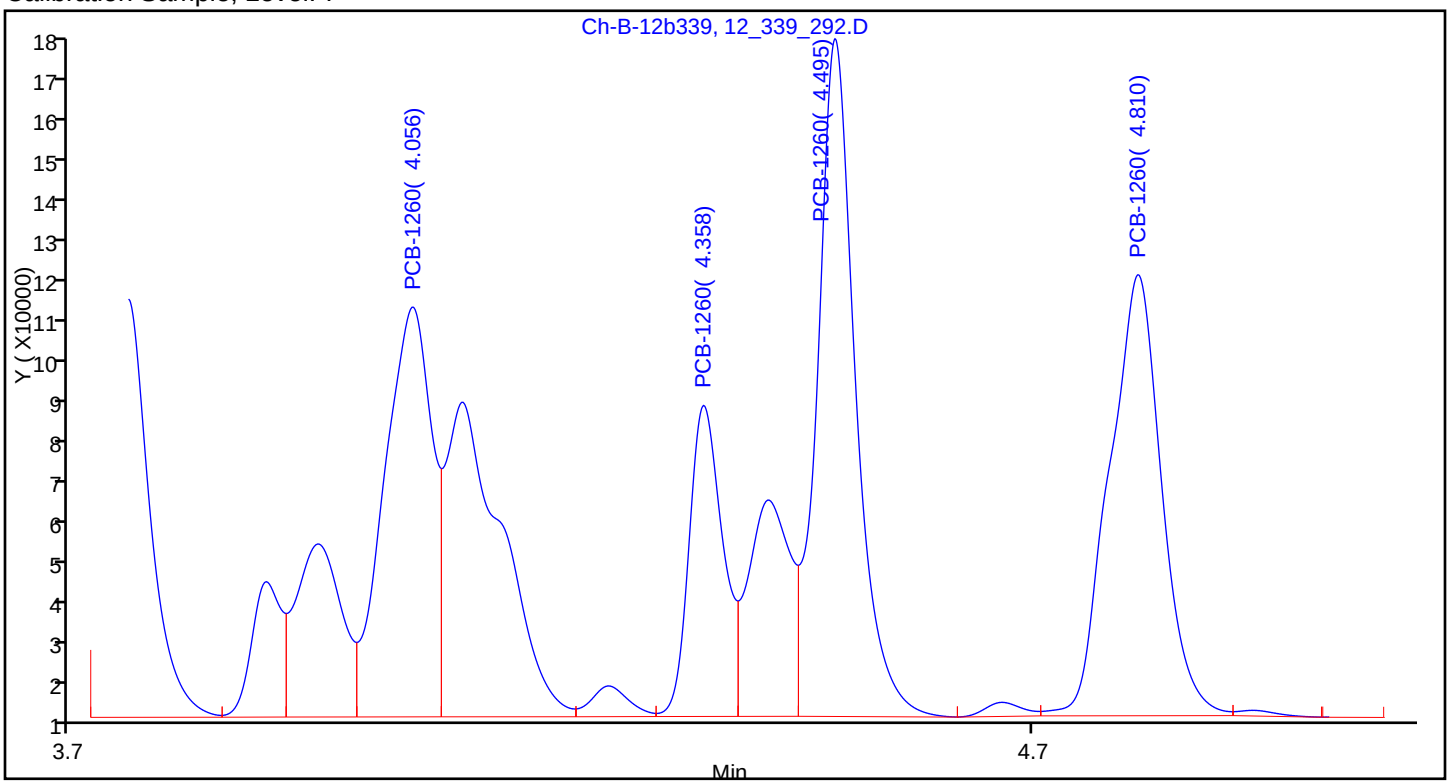
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D

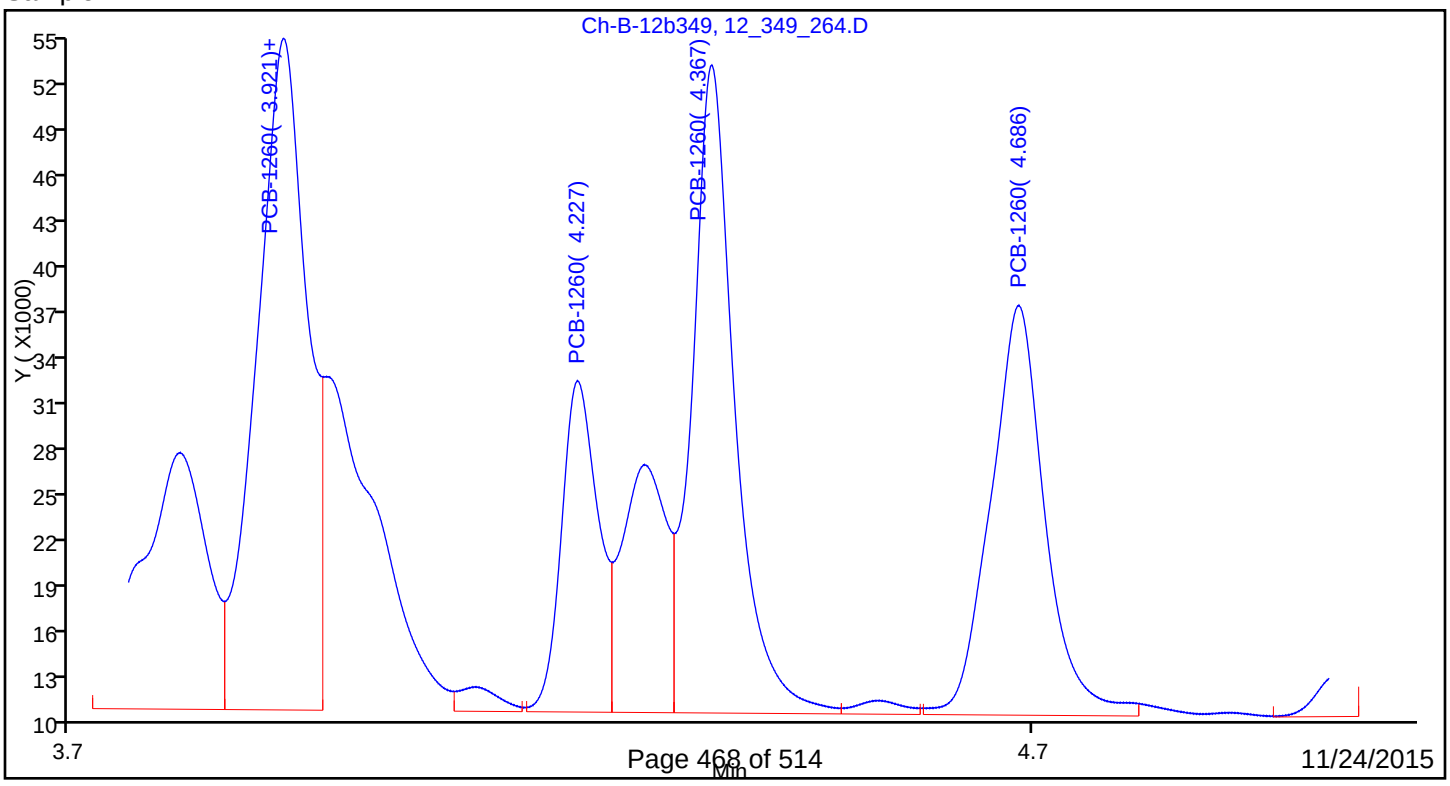
Injection Date:	18-Nov-2015 21:00:23	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-A MS				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



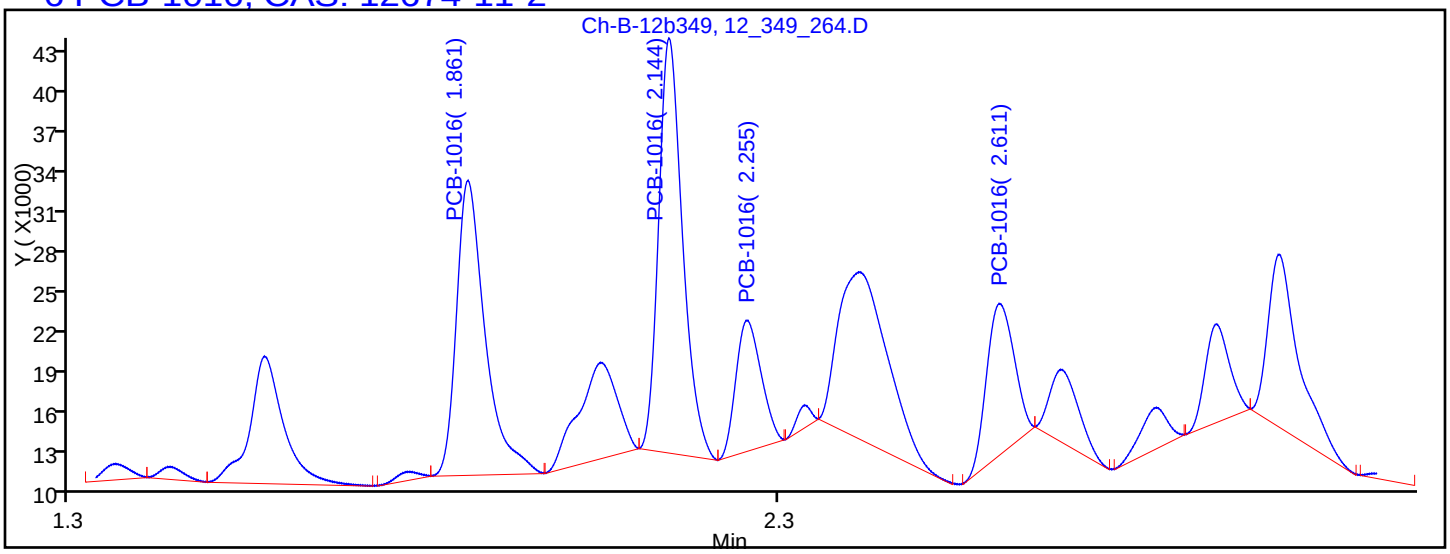
Report Date: 19-Nov-2015 12:01:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D

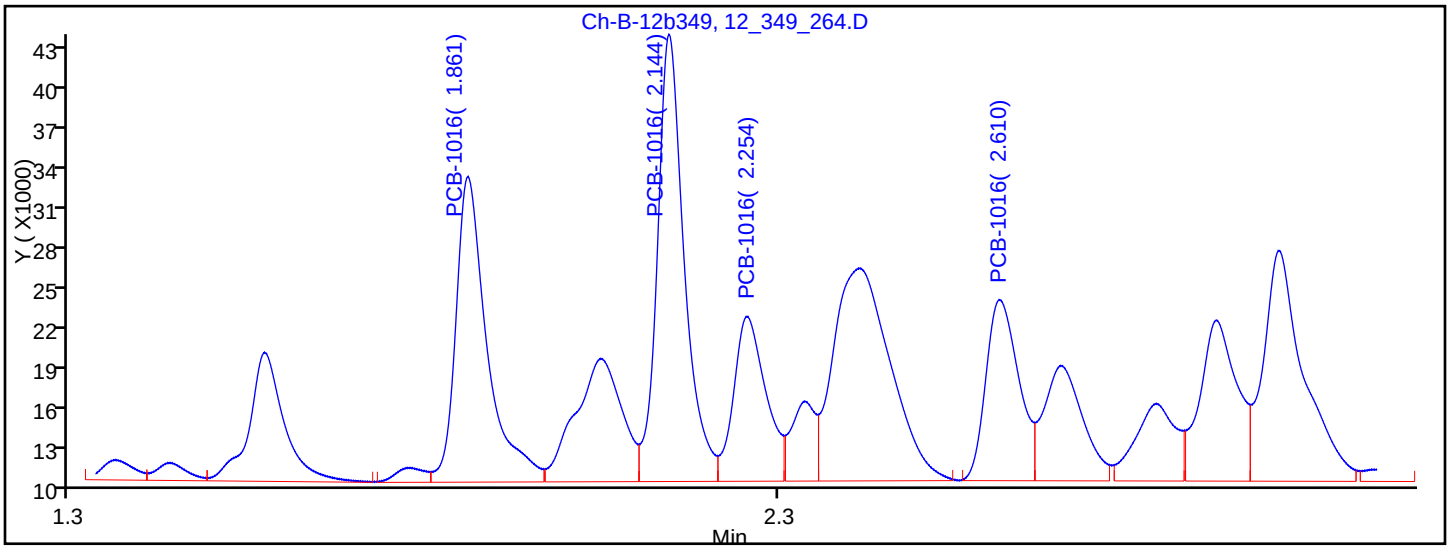
Injection Date:	18-Nov-2015 21:00:23	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-A MS				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.861	Response = 60965	M
RT = 2.144	Response = 71762	M
RT = 2.255	Response = 23839	M
RT = 2.611	Response = 29997	M



Manual Integration Results

RT = 1.861	Response = 68761	M
RT = 2.144	Response = 86872	M
RT = 2.254	Response = 38175	M
RT = 2.610	Response = 42882	M

Reviewer: owenj, 19-Nov-2015 12:01:25

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

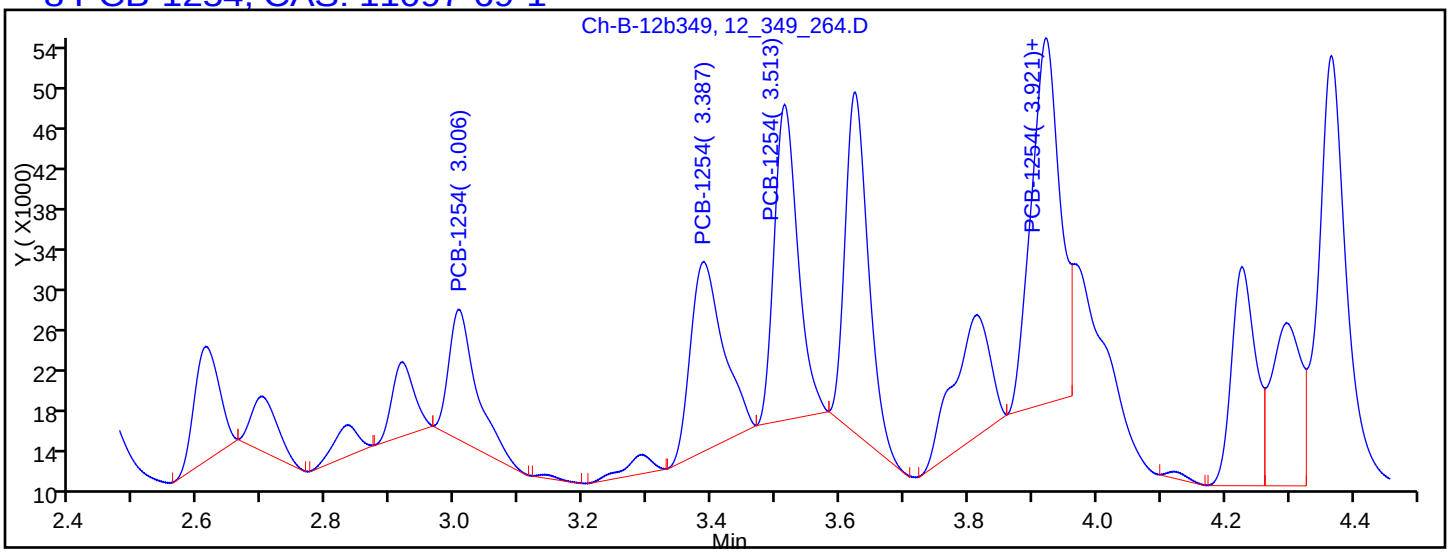
Report Date: 19-Nov-2015 12:01:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D

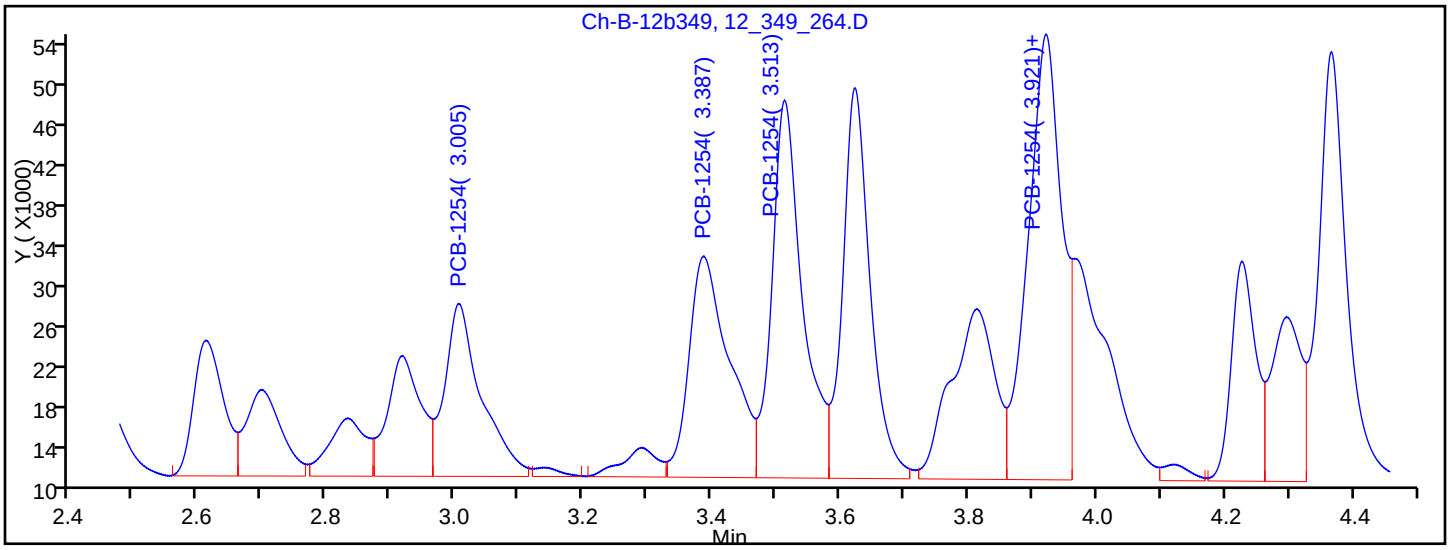
Injection Date:	18-Nov-2015 21:00:23	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-A MS				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.006	Response = 38587	M
RT = 3.387	Response = 65422	M
RT = 3.513	Response = 78930	M
RT = 3.921	Response = 111253	M



Manual Integration Results

RT = 3.005	Response = 66761	M
RT = 3.387	Response = 95420	M
RT = 3.513	Response = 122834	M
RT = 3.921	Response = 159687	M

Reviewer: owenj, 19-Nov-2015 12:01:25

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

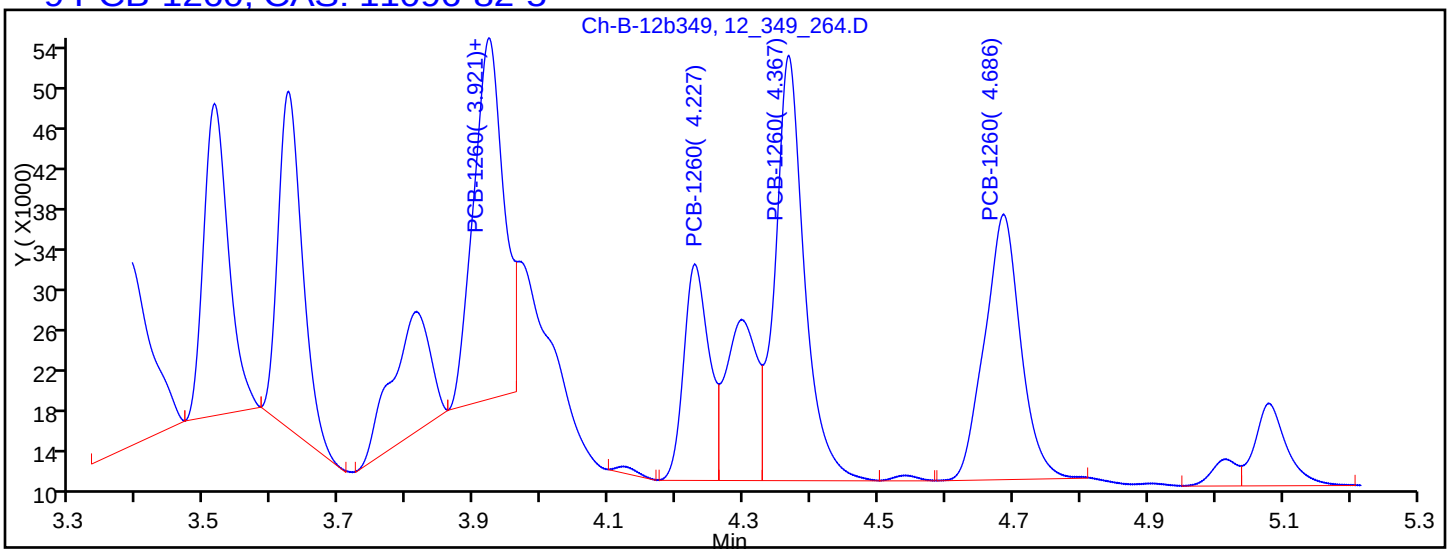
Report Date: 19-Nov-2015 12:01:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_264.D

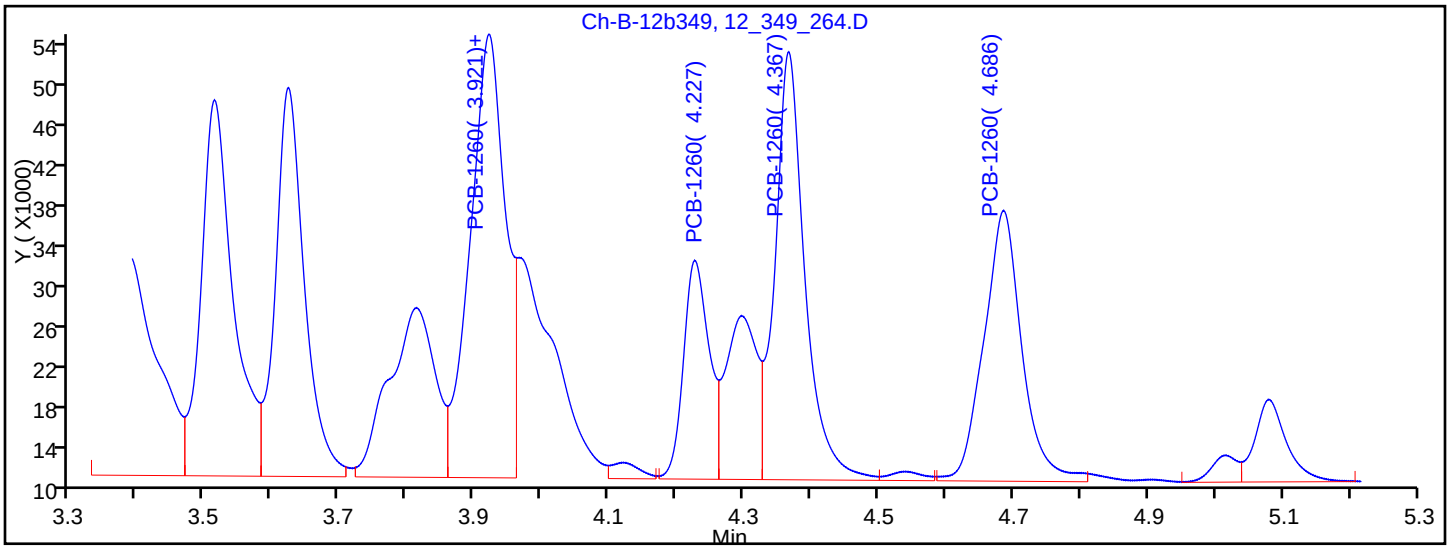
Injection Date:	18-Nov-2015 21:00:23	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-A MS				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 3.921	Response = 111253	M
RT = 4.227	Response = 55863	M
RT = 4.367	Response = 126586	M
RT = 4.686	Response = 97262	M



Manual Integration Results

RT = 3.921	Response = 159687	M
RT = 4.227	Response = 57201	M
RT = 4.367	Response = 129807	M
RT = 4.686	Response = 104708	M

Reviewer: owenj, 19-Nov-2015 12:01:25

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-5 MS | Lab Sample ID: 480-91253-19 MS

Matrix: Solid | Lab File ID: 12_349_266.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:30

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.12(g) | Date Analyzed: 11/18/2015 21:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.73		0.26	0.051
11104-28-2	PCB-1221	ND		0.26	0.051
11141-16-5	PCB-1232	ND		0.26	0.051
53469-21-9	PCB-1242	ND		0.26	0.051
12672-29-6	PCB-1248	ND		0.26	0.051
11097-69-1	PCB-1254	2.24		0.26	0.12
11096-82-5	PCB-1260	2.81		0.26	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		60-154
2051-24-3	DCB Decachlorobiphenyl	107		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_266.D
Lims ID: 480-91253-A-19-A MS
Client ID: SS7-5
Sample Type: MS
Inject. Date: 18-Nov-2015 21:31:57 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:03:41 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:03:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.581	1.583	-0.002	63501	0.0200	0.0226	
2	1.221	1.223	-0.002	31336	0.0200	0.0208	
						RPD = 8.22	
6 PCB-1016							
1	2.127	2.130	-0.003	75553	0.5000	0.5293	
1	2.263	2.267	-0.004	41901	0.5000	0.5039	
1	2.455	2.459	-0.004	113848	0.5000	0.4769	
1	2.537	2.539	-0.002	50128	0.5000	0.4849	
		Average of Peak Amounts =				0.4988	
2	1.860	1.865	-0.005	61854	0.5000	0.5178	
2	2.145	2.148	-0.003	79731	0.5000	0.5306	
2	2.255	2.257	-0.002	35265	0.5000	0.5049	
2	2.611	2.614	-0.003	38672	0.5000	0.5281	
		Average of Peak Amounts =				0.5204	
						RPD = 4.24	
8 PCB-1254							M
1	3.216	3.217	-0.001	62872		0.2938	
1	3.605	3.605	0.000	9668		0.0591	M
1	3.678	3.682	-0.004	36646		0.1735	M
1	3.871	3.879	-0.008	93745		0.4266	M
		Average of Peak Amounts =				0.2382	
2	3.005	3.006	-0.001	31177		0.2332	
2	3.395	3.377	0.018	61252		0.3166	
2	3.516	3.511	0.005	80002		0.4291	
2	3.922	3.928	-0.006	105011		0.7334	
		Average of Peak Amounts =				0.4281	
						RPD = 56.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1260							M
1	4.054	4.055	-0.001	146437	0.5000	0.5695	M
1	4.272	4.273	-0.001	137717	0.5000	0.6228	M
1	4.405	4.404	0.001	106501	0.5000	0.4794	M
1	4.791	4.791	0.000	132215	0.5000	0.4386	M
		Average of Peak Amounts =				0.5276	
2	3.922	3.921	0.001	105011	0.5000	0.6680	
2	4.230	4.229	0.001	44786	0.5000	0.4826	
2	4.368	4.368	0.000	109236	0.5000	0.5100	
2	4.689	4.687	0.002	88670	0.5000	0.4842	
		Average of Peak Amounts =				0.5362	
						RPD = 1.62	
$ 12 DCB Decachlorobiphenyl							
1	6.085	6.085	0.000	62854	0.0200	0.0181	
2	5.568	5.565	0.003	56794	0.0200	0.0215	
						RPD = 17.11	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

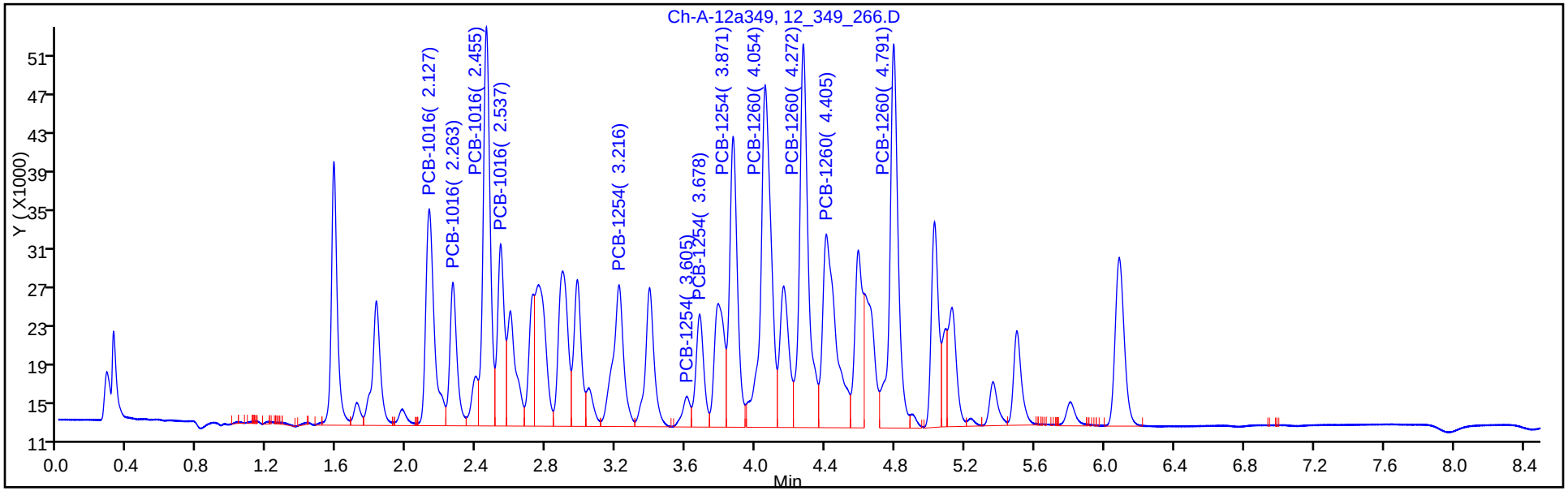
Report Date: 19-Nov-2015 12:03:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

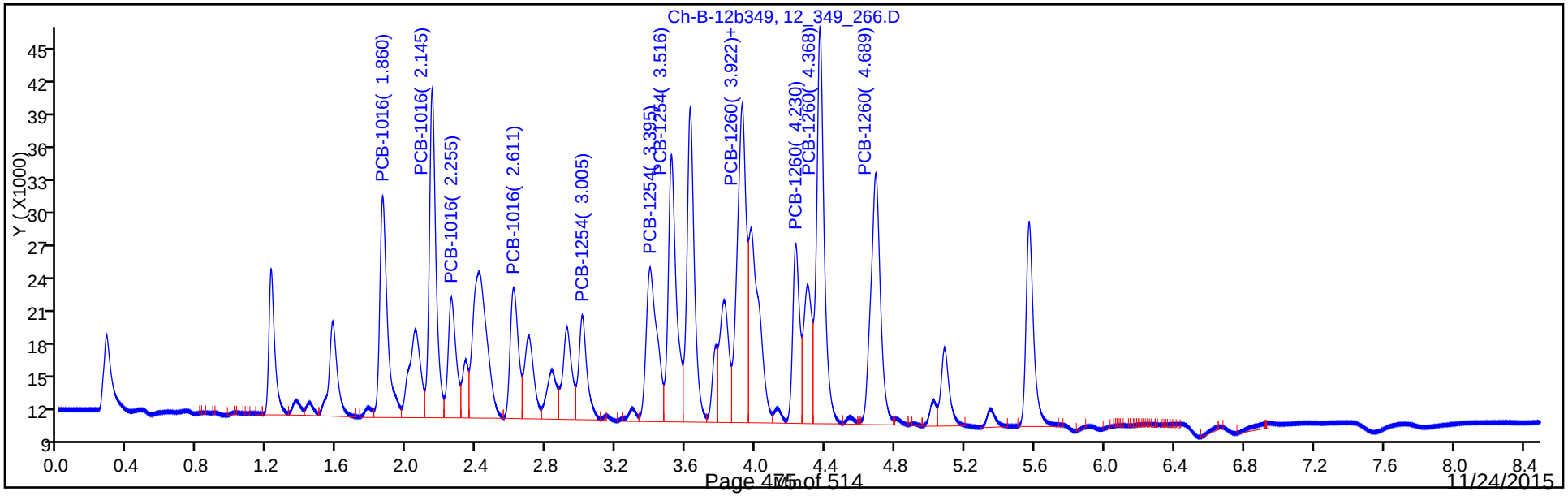
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_266.D

Injection Date:	18-Nov-2015 21:31:57	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-19-A MS			Worklist Smp#:	32
Client ID:	SS7-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:03:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

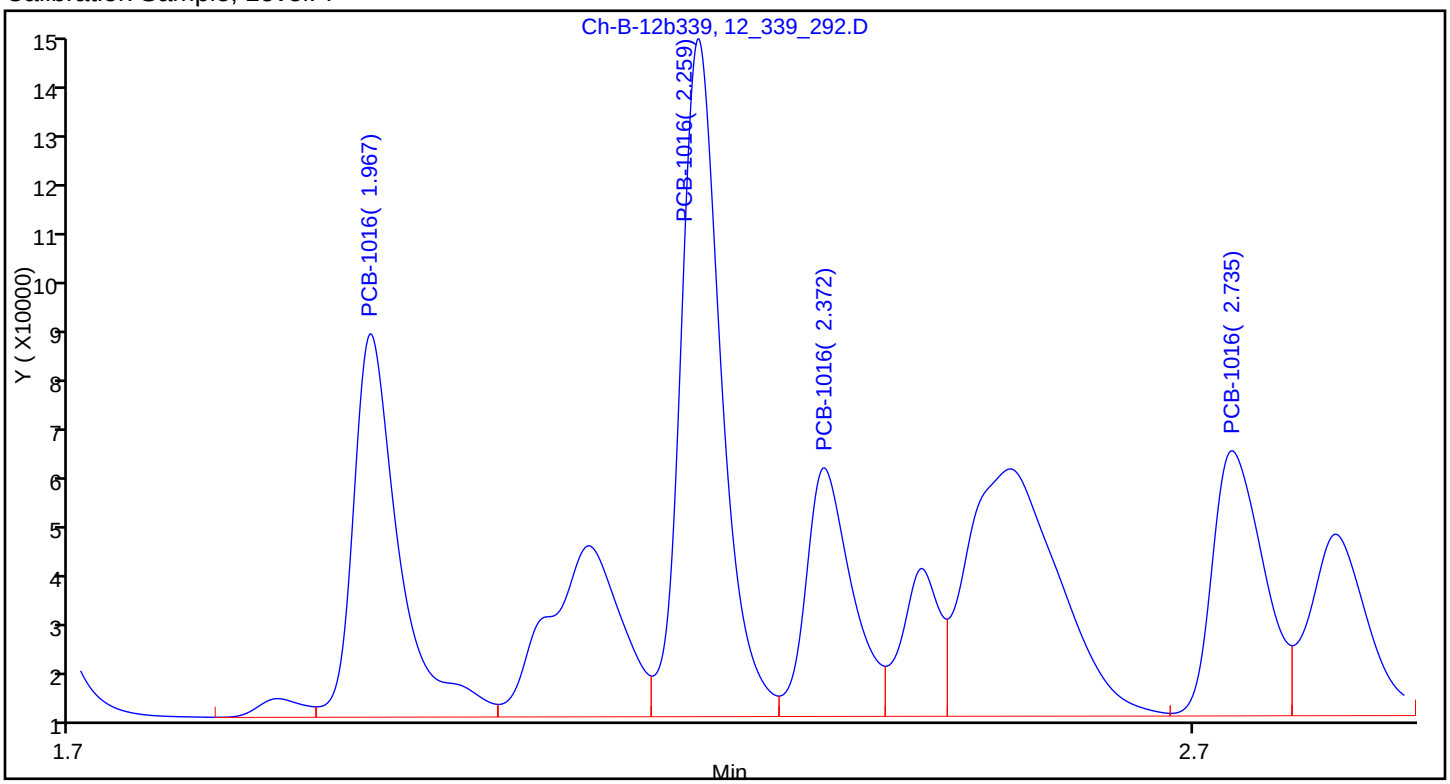
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_266.D

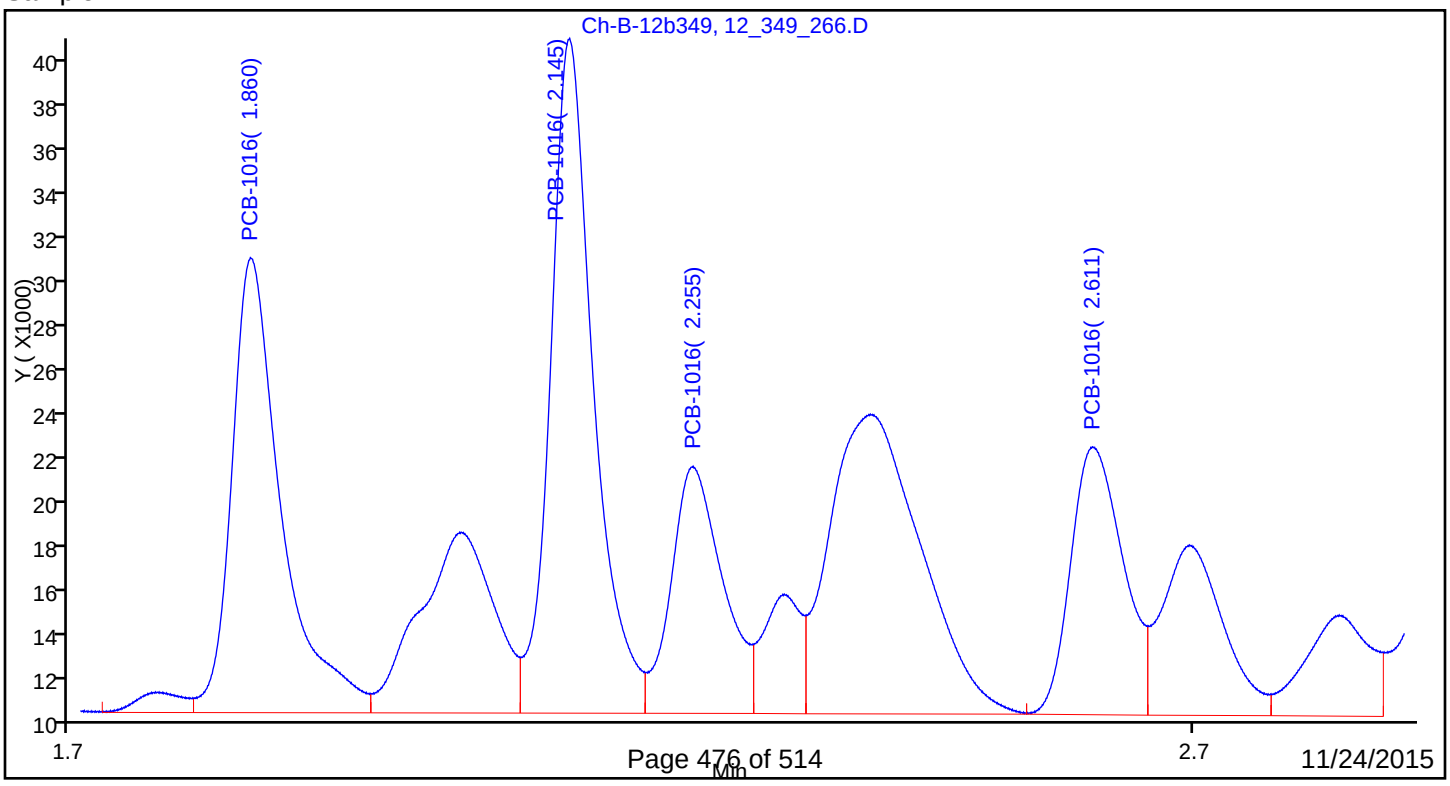
Injection Date:	18-Nov-2015 21:31:57	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-19-A MS				
Client ID:	SS7-5				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 19-Nov-2015 12:03:44 Chrom Revision: 2.2 08-Oct-2015 07:17:48

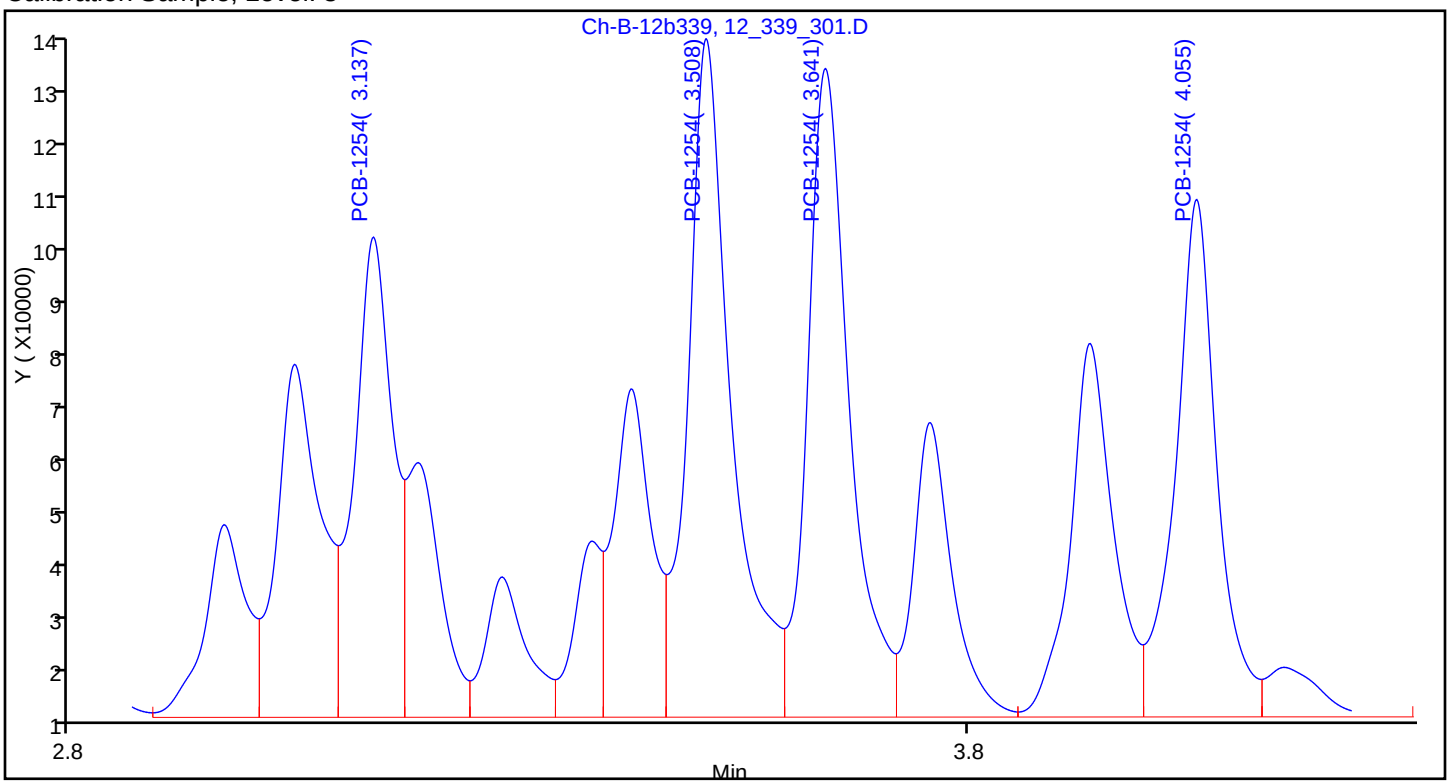
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_266.D

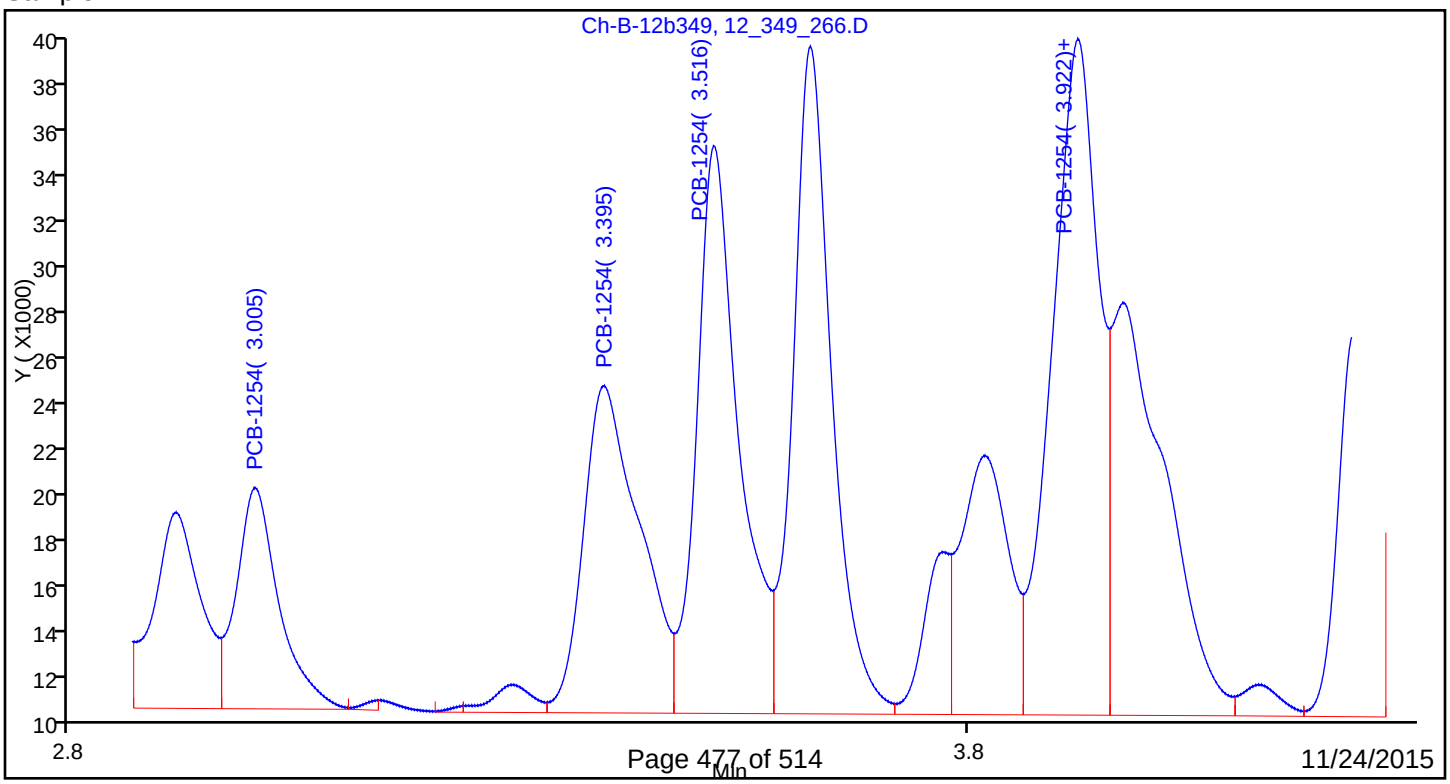
Injection Date:	18-Nov-2015 21:31:57	Instrument ID:	HP5890-12
Lims ID:	480-91253-A-19-A MS		
Client ID:	SS7-5		
Operator ID:	buftchrom	ALS Bottle#:	0 Worklist Smp#: 32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



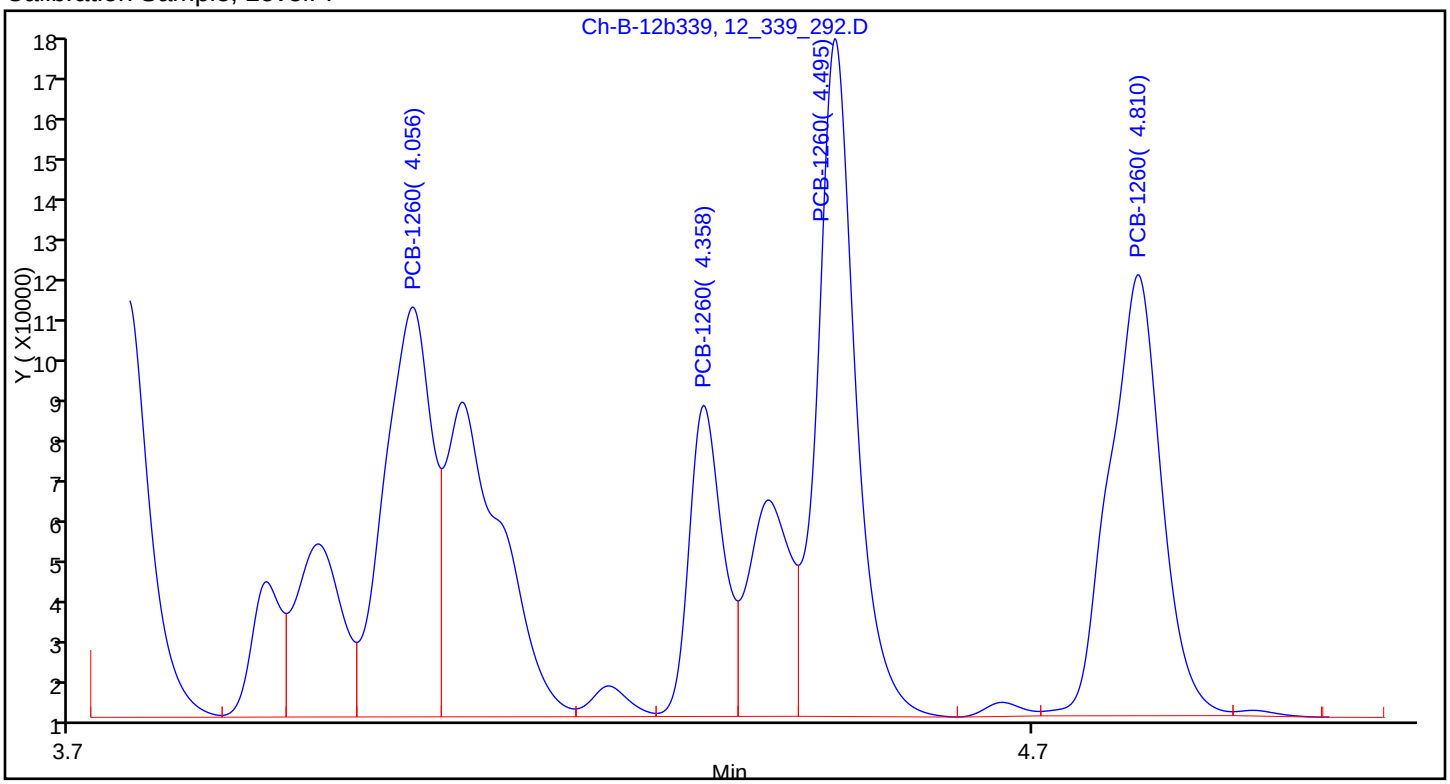
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_266.D

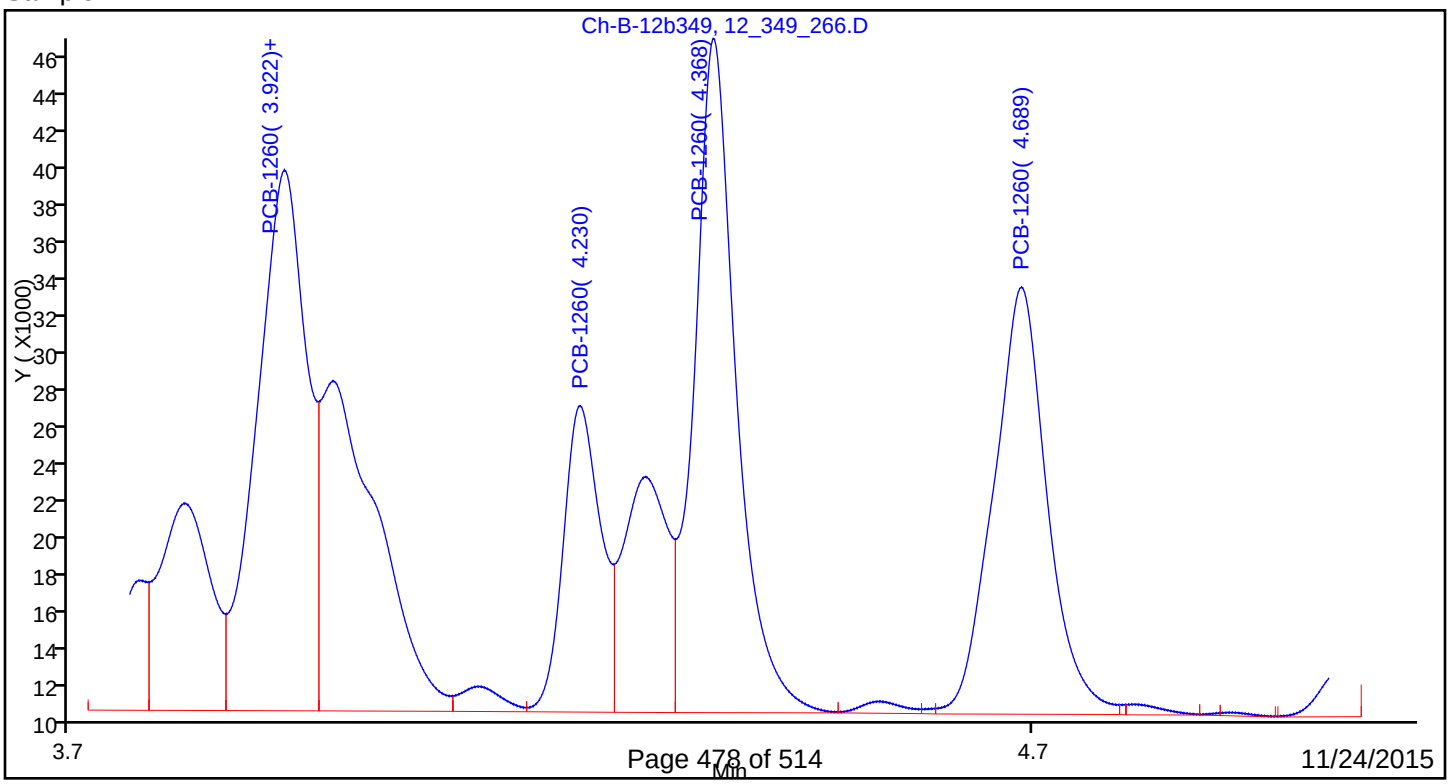
Injection Date:	18-Nov-2015 21:31:57	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-19-A MS				
Client ID:	SS7-5				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS21-6 MSD | Lab Sample ID: 480-91253-11 MSD

Matrix: Solid | Lab File ID: 12_349_265.D

Analysis Method: 8082A | Date Collected: 11/17/2015 13:35

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.03(g) | Date Analyzed: 11/18/2015 21:16

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.57		0.30	0.058
11104-28-2	PCB-1221	ND		0.30	0.058
11141-16-5	PCB-1232	ND		0.30	0.058
53469-21-9	PCB-1242	ND		0.30	0.058
12672-29-6	PCB-1248	ND		0.30	0.058
11097-69-1	PCB-1254	5.47		0.30	0.14
11096-82-5	PCB-1260	5.10		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	112		60-154
2051-24-3	DCB Decachlorobiphenyl	110		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_265.D
Lims ID: 480-91253-A-11-B MSD
Client ID: SS21-6
Sample Type: MSD
Inject. Date: 18-Nov-2015 21:16:10 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:01:53 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:01:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.581	1.583	-0.002	71742	0.0200	0.0256	
2	1.221	1.223	-0.002	33769	0.0200	0.0225	
						RPD = 12.93	
6 PCB-1016							
1	2.128	2.130	-0.002	86088	0.5000	0.6031	
1	2.263	2.267	-0.004	48959	0.5000	0.5888	
1	2.456	2.459	-0.003	130766	0.5000	0.5478	
1	2.537	2.539	-0.002	57436	0.5000	0.5555	
		Average of Peak Amounts =				0.5738	
2	1.861	1.865	-0.004	70980	0.5000	0.5942	
2	2.144	2.148	-0.004	91901	0.5000	0.6116	
2	2.254	2.257	-0.003	40550	0.5000	0.5806	
2	2.611	2.614	-0.003	46120	0.5000	0.6298	
		Average of Peak Amounts =				0.6041	
						RPD = 5.13	
8 PCB-1254							
1	3.216	3.217	-0.001	99826		0.4664	
1	3.604	3.605	-0.001	32248		0.1970	
1	3.679	3.682	-0.003	84197		0.3987	
1	3.873	3.879	-0.006	153716		0.6996	
		Average of Peak Amounts =				0.4404	
2	3.005	3.006	-0.001	81888		0.6126	
2	3.385	3.377	0.008	109941		0.5683	
2	3.515	3.511	0.004	135053		0.7244	
2	3.923	3.928	-0.005	257525		1.80	
		Average of Peak Amounts =				0.9260	
						RPD = 71.07	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1260							
1	4.055	4.055	0.000	219785	0.5000	0.8548	
1	4.273	4.273	0.000	214232	0.5000	0.9688	
1	4.405	4.404	0.001	100101	0.5000	0.4506	
1	4.793	4.791	0.002	151079	0.5000	0.5012	
		Average of Peak Amounts =				0.6938	
2	3.923	3.921	0.002	257525	0.5000	1.64	
2	4.229	4.229	0.000	58472	0.5000	0.6301	
2	4.369	4.368	0.001	129313	0.5000	0.6038	
2	4.691	4.687	0.004	106362	0.5000	0.5808	
		Average of Peak Amounts =				0.8632	
						RPD = 21.76	
$ 12 DCB Decachlorobiphenyl							
1	6.087	6.085	0.002	63569	0.0200	0.0183	
2	5.570	5.565	0.005	58300	0.0200	0.0221	
						RPD = 18.58	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

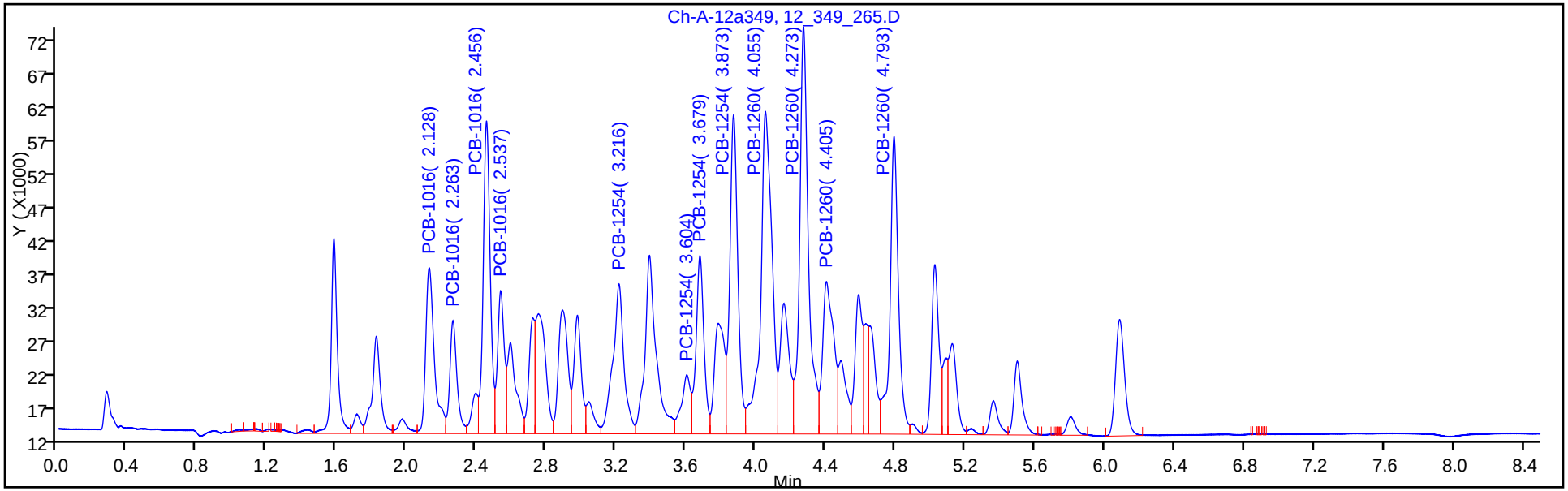
Report Date: 19-Nov-2015 12:01:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

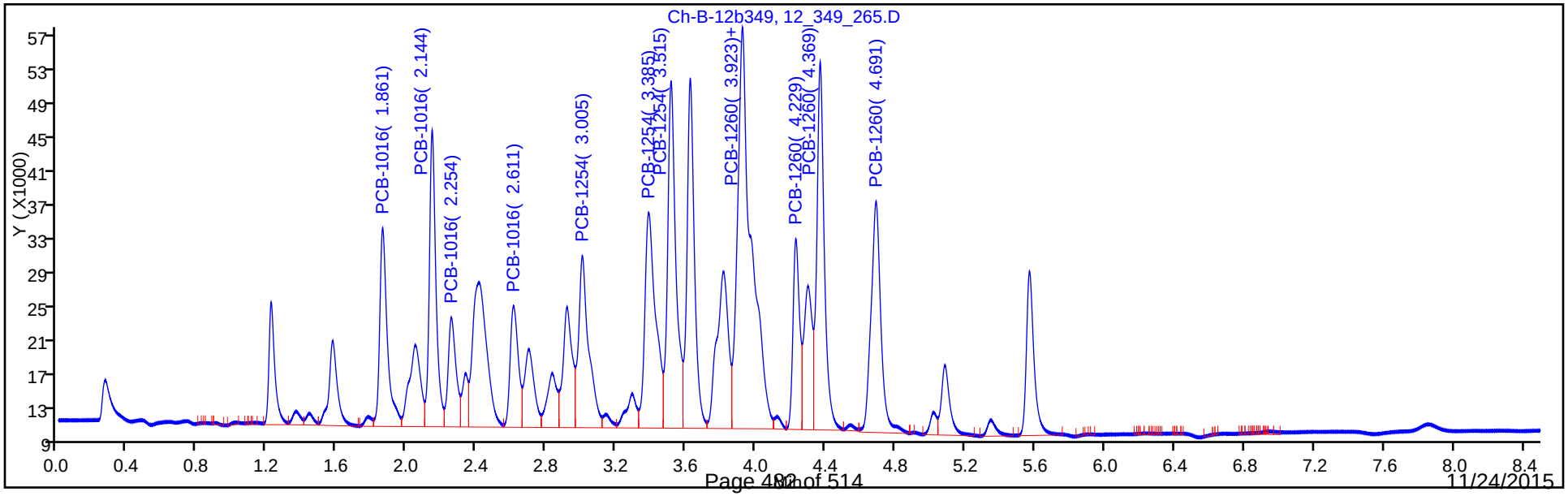
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_265.D

Injection Date:	18-Nov-2015 21:16:10	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-11-B MSD			Worklist Smp#:	31
Client ID:	SS21-6				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:01:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

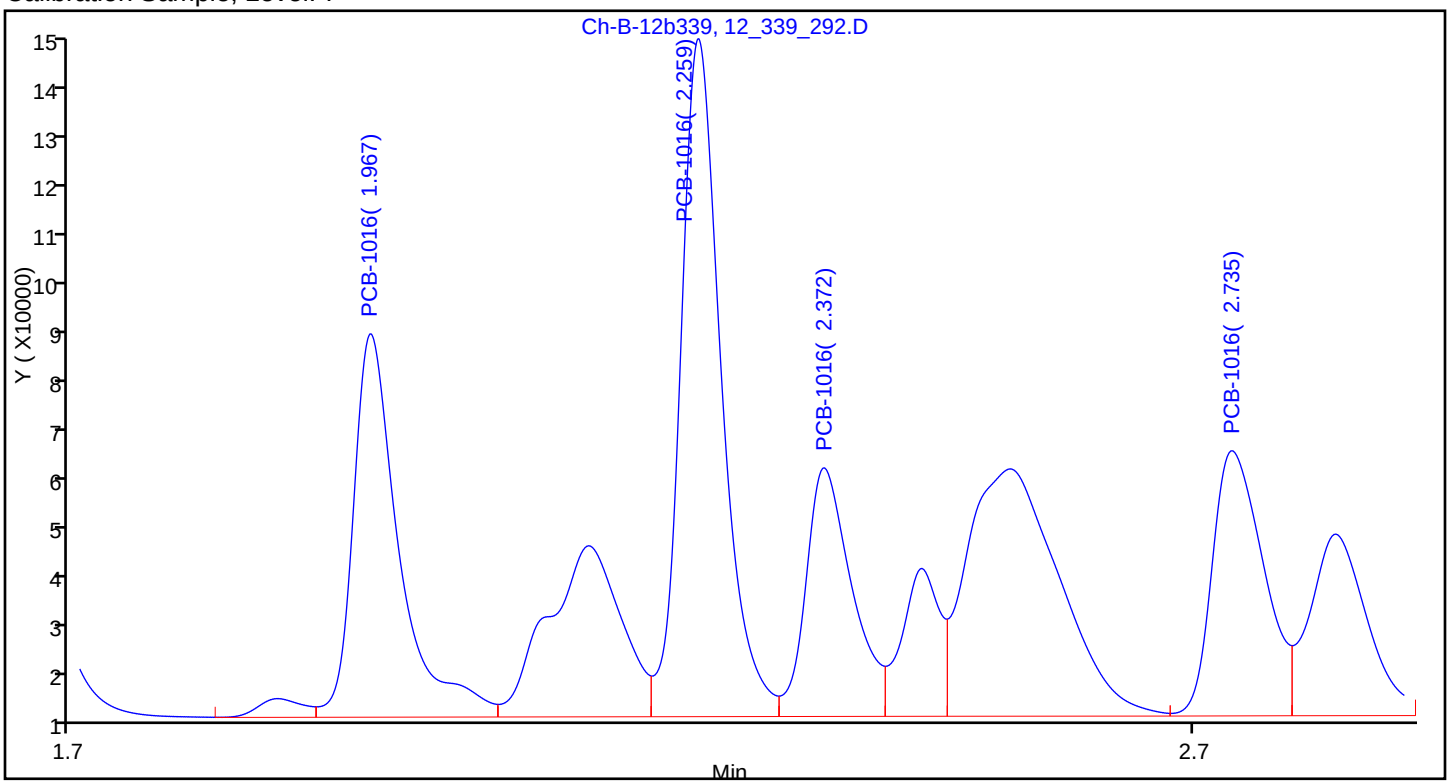
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_265.D

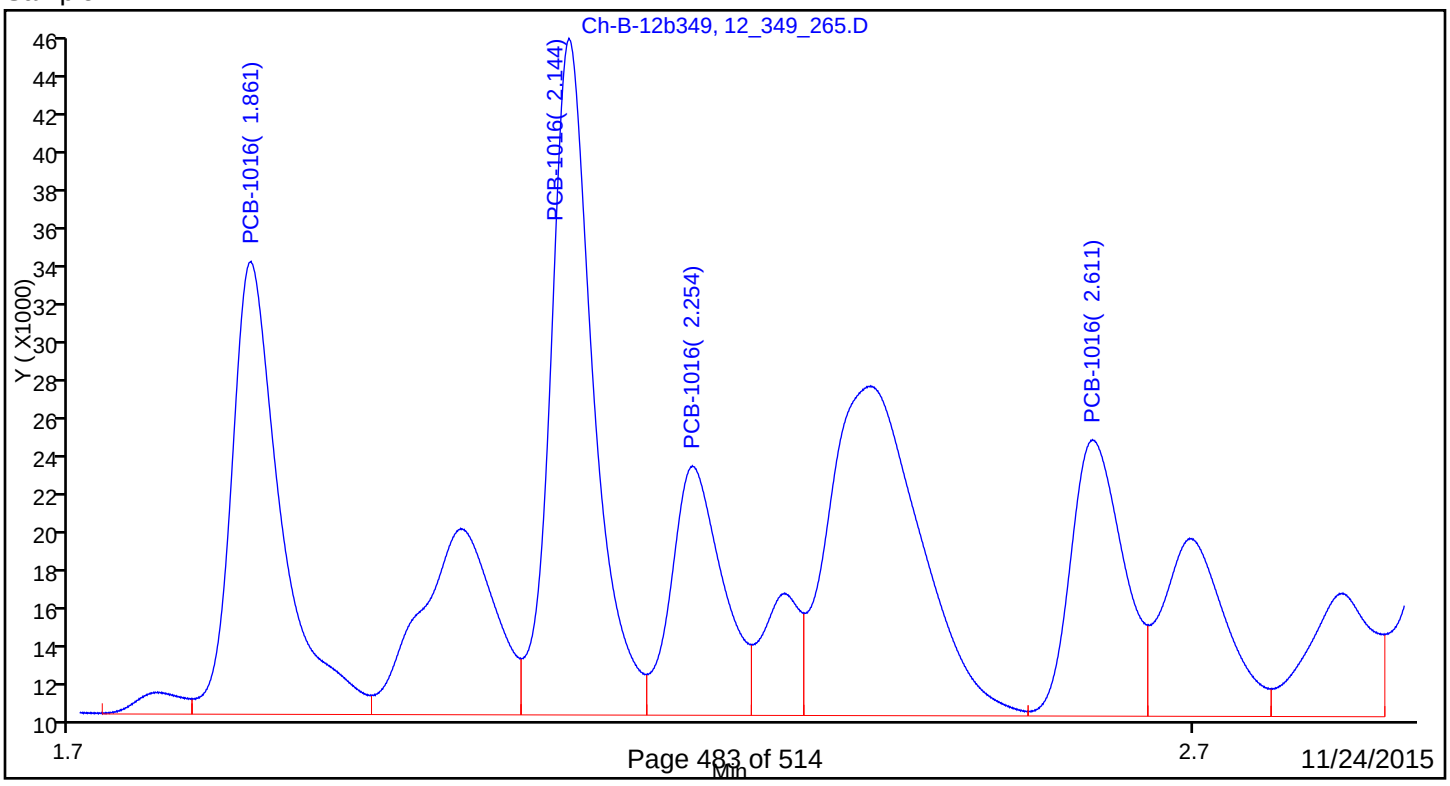
Injection Date:	18-Nov-2015 21:16:10	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-B MSD				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 19-Nov-2015 12:01:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

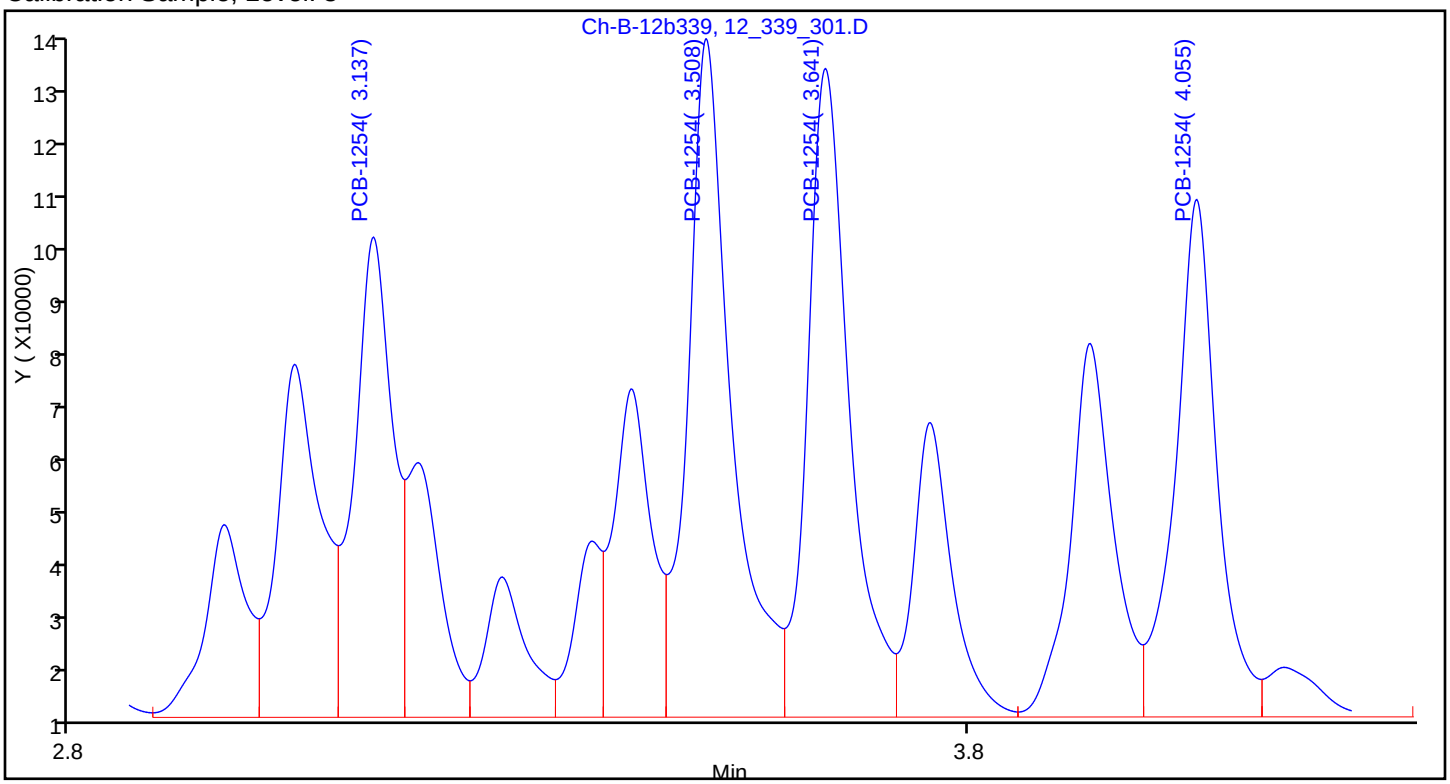
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_265.D

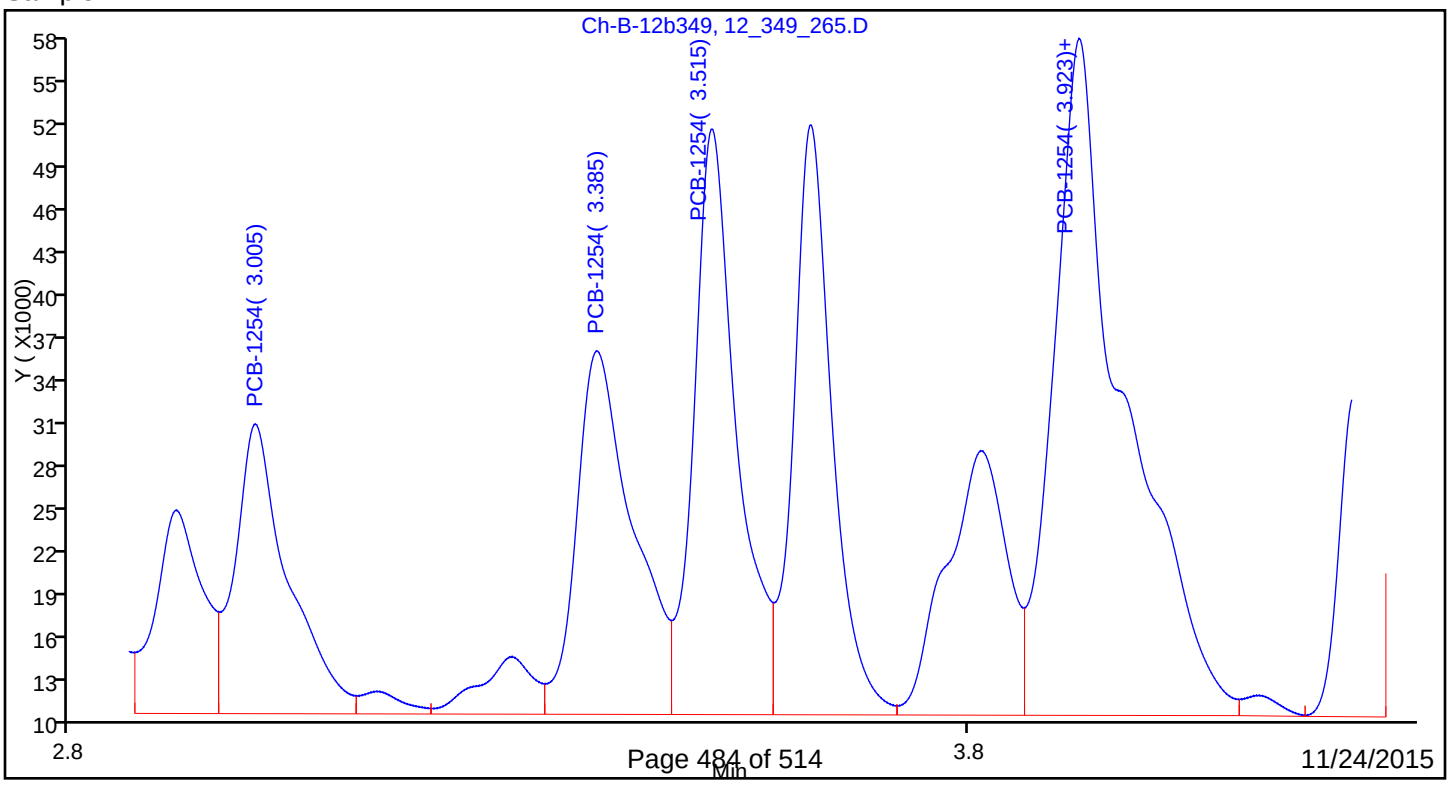
Injection Date:	18-Nov-2015 21:16:10	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-B MSD				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



Report Date: 19-Nov-2015 12:01:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

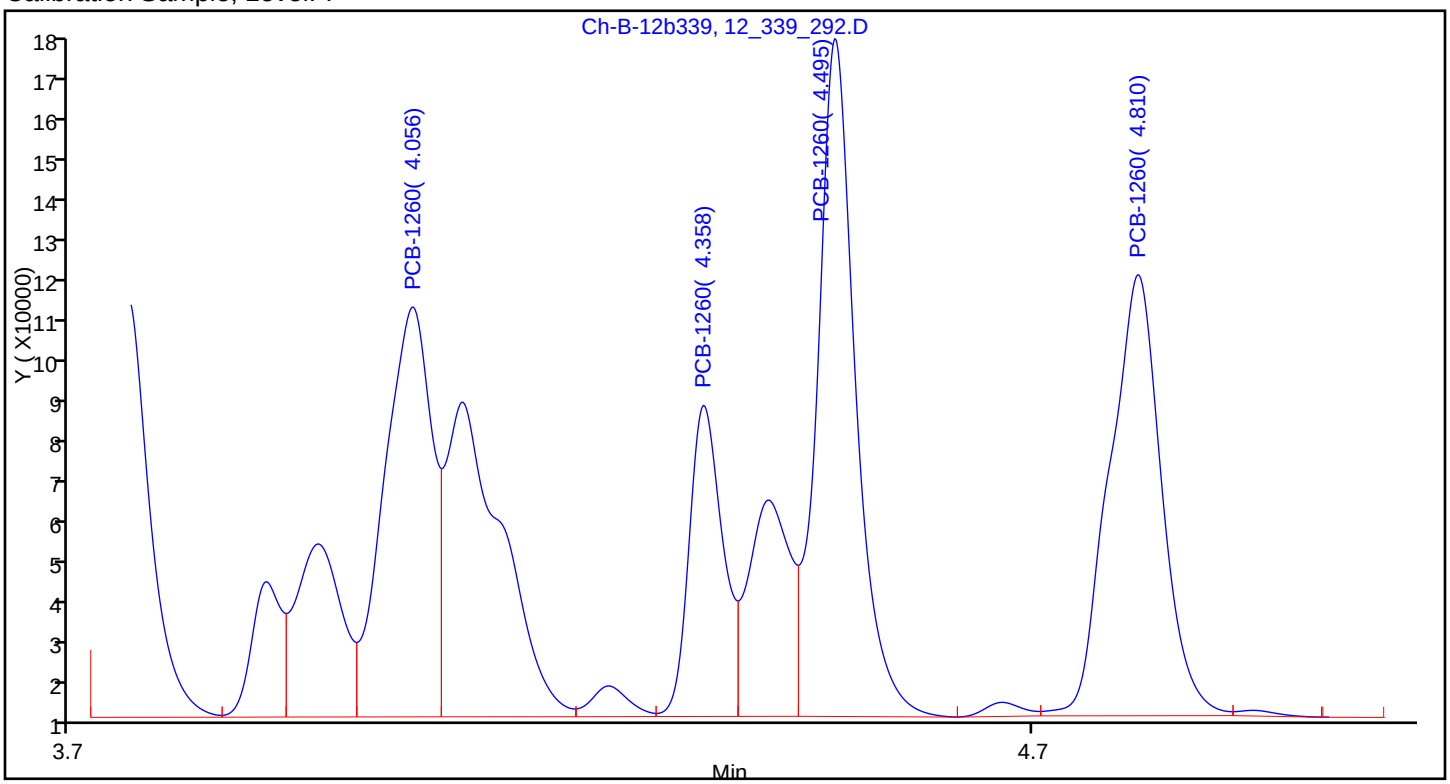
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_265.D

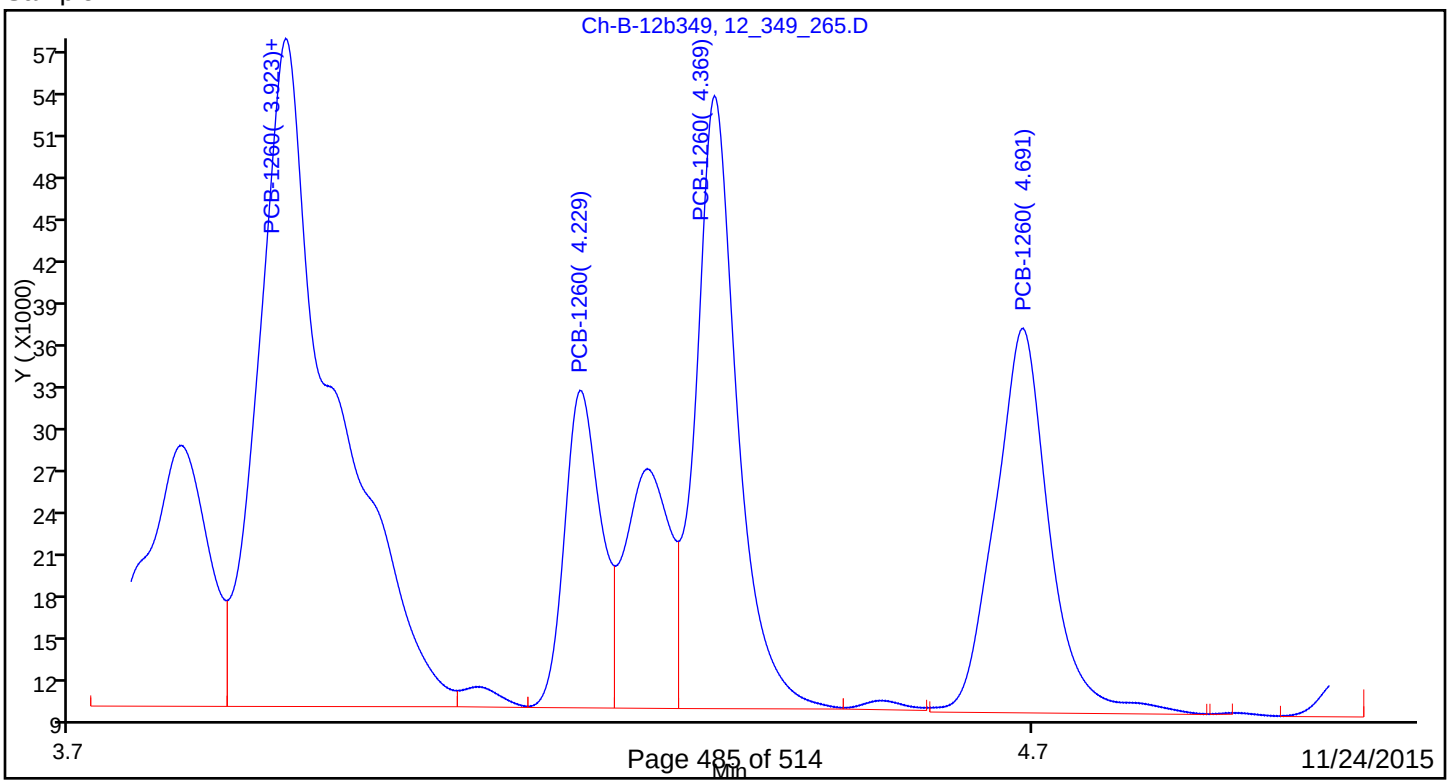
Injection Date:	18-Nov-2015 21:16:10	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-11-B MSD				
Client ID:	SS21-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91253-1

SDG No.:

Client Sample ID: SS7-5 MSD | Lab Sample ID: 480-91253-19 MSD

Matrix: Solid | Lab File ID: 12_349_267.D

Analysis Method: 8082A | Date Collected: 11/17/2015 14:30

Extraction Method: 3550C | Date Extracted: 11/18/2015 09:53

Sample wt/vol: +2.17(g) | Date Analyzed: 11/18/2015 21:47

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 275686 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.08		0.26	0.050
11104-28-2	PCB-1221	ND		0.26	0.050
11141-16-5	PCB-1232	ND		0.26	0.050
53469-21-9	PCB-1242	ND		0.26	0.050
12672-29-6	PCB-1248	ND		0.26	0.050
11097-69-1	PCB-1254	2.54		0.26	0.12
11096-82-5	PCB-1260	3.21		0.26	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	114		60-154
2051-24-3	DCB Decachlorobiphenyl	119		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_267.D
Lims ID: 480-91253-A-19-B MSD
Client ID: SS7-5
Sample Type: MSD
Inject. Date: 18-Nov-2015 21:47:42 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 19-Nov-2015 12:04:20 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: owenj Date: 19-Nov-2015 12:04:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.581	1.583	-0.002	72059	0.0200	0.0257	
2	1.222	1.223	-0.001	34205	0.0200	0.0228	
						RPD = 12.09	
6 PCB-1016							
1	2.127	2.130	-0.003	86742	0.5000	0.6077	
1	2.264	2.267	-0.003	48162	0.5000	0.5792	
1	2.456	2.459	-0.003	131686	0.5000	0.5516	
1	2.537	2.539	-0.002	57692	0.5000	0.5580	
		Average of Peak Amounts =				0.5742	
2	1.861	1.865	-0.004	70108	0.5000	0.5869	
2	2.145	2.148	-0.003	92990	0.5000	0.6189	
2	2.253	2.257	-0.004	40312	0.5000	0.5772	
2	2.611	2.614	-0.003	45436	0.5000	0.6205	
		Average of Peak Amounts =				0.6009	
						RPD = 4.55	
8 PCB-1254							
1	3.217	3.217	0.000	72999		0.3411	
1	3.607	3.605	0.002	10859		0.0663	
1	3.680	3.682	-0.002	40844		0.1934	
1	3.873	3.879	-0.006	106040		0.4826	
		Average of Peak Amounts =				0.2709	
2	3.006	3.006	0.000	35937		0.2688	
2	3.396	3.377	0.019	70413		0.3640	
2	3.519	3.511	0.008	91783		0.4923	
2	3.925	3.928	-0.003	122610		0.8563	
		Average of Peak Amounts =				0.4954	
						RPD = 58.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
9 PCB-1260							
1	4.058	4.055	0.003	168161	0.5000	0.6540	
1	4.277	4.273	0.004	157799	0.5000	0.7136	
1	4.408	4.404	0.004	120098	0.5000	0.5407	
1	4.797	4.791	0.006	142018	0.5000	0.4711	
		Average of Peak Amounts =				0.5948	
2	3.925	3.921	0.004	122610	0.5000	0.7800	
2	4.234	4.229	0.005	51411	0.5000	0.5540	
2	4.373	4.368	0.005	128389	0.5000	0.5995	
2	4.693	4.687	0.006	105399	0.5000	0.5756	
		Average of Peak Amounts =				0.6273	
						RPD = 5.30	
$ 12 DCB Decachlorobiphenyl							M
1	6.095	6.085	0.010	62803	0.0200	0.0181	M
2	5.575	5.565	0.010	62804	0.0200	0.0238	
						RPD = 27.12	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

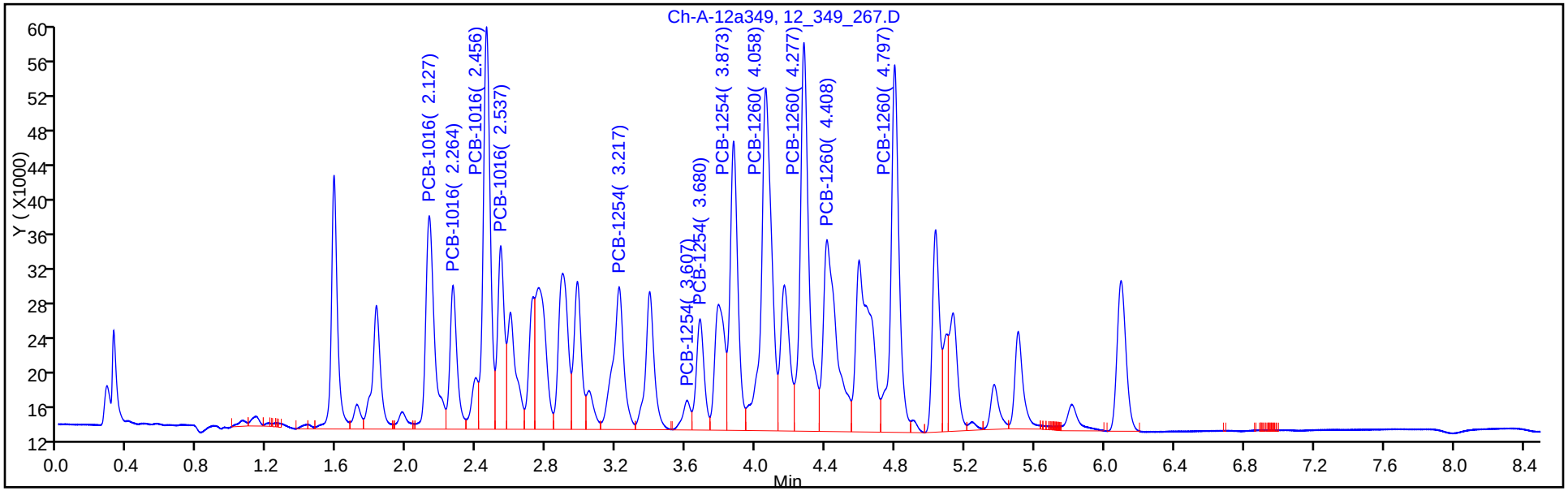
Report Date: 19-Nov-2015 12:04:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

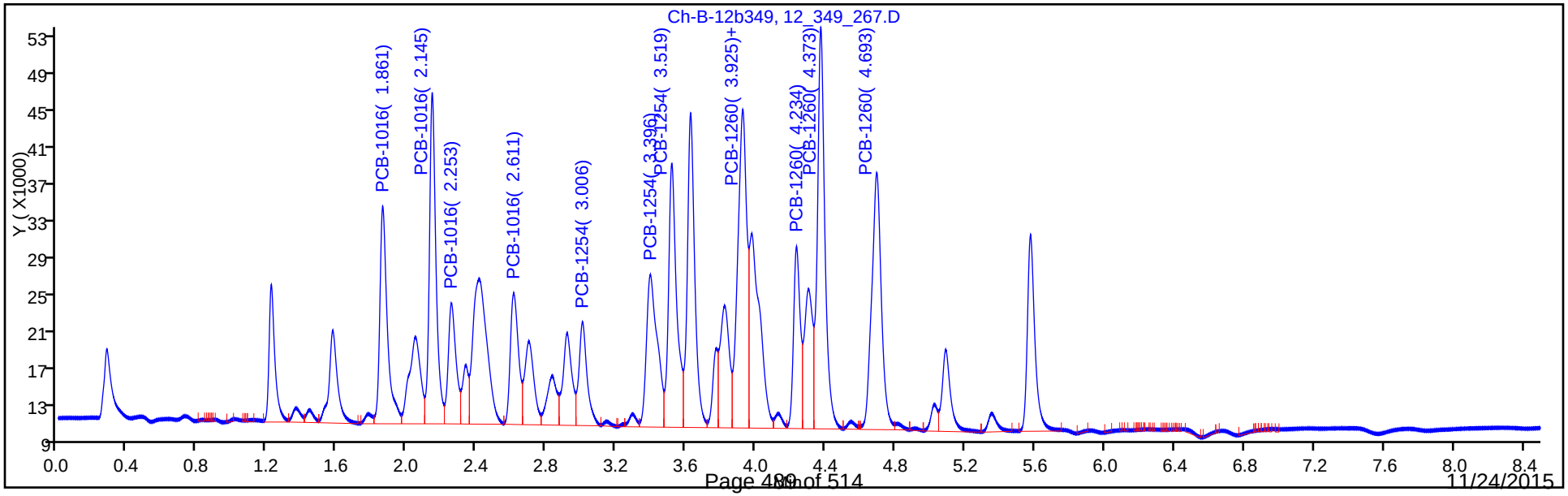
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_267.D

Injection Date:	18-Nov-2015 21:47:42	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91253-A-19-B MSD			Worklist Smp#:	33
Client ID:	SS7-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 19-Nov-2015 12:04:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

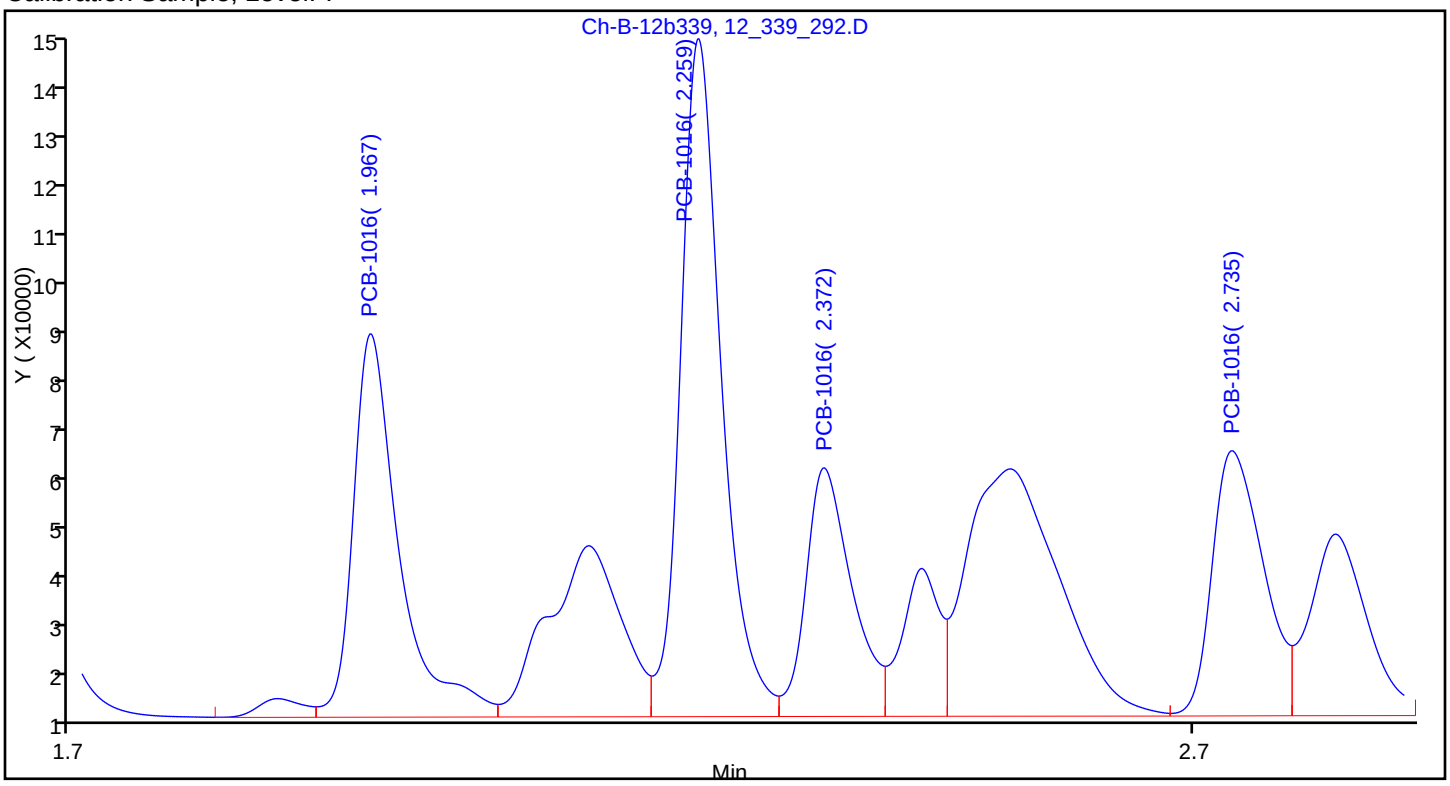
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_267.D

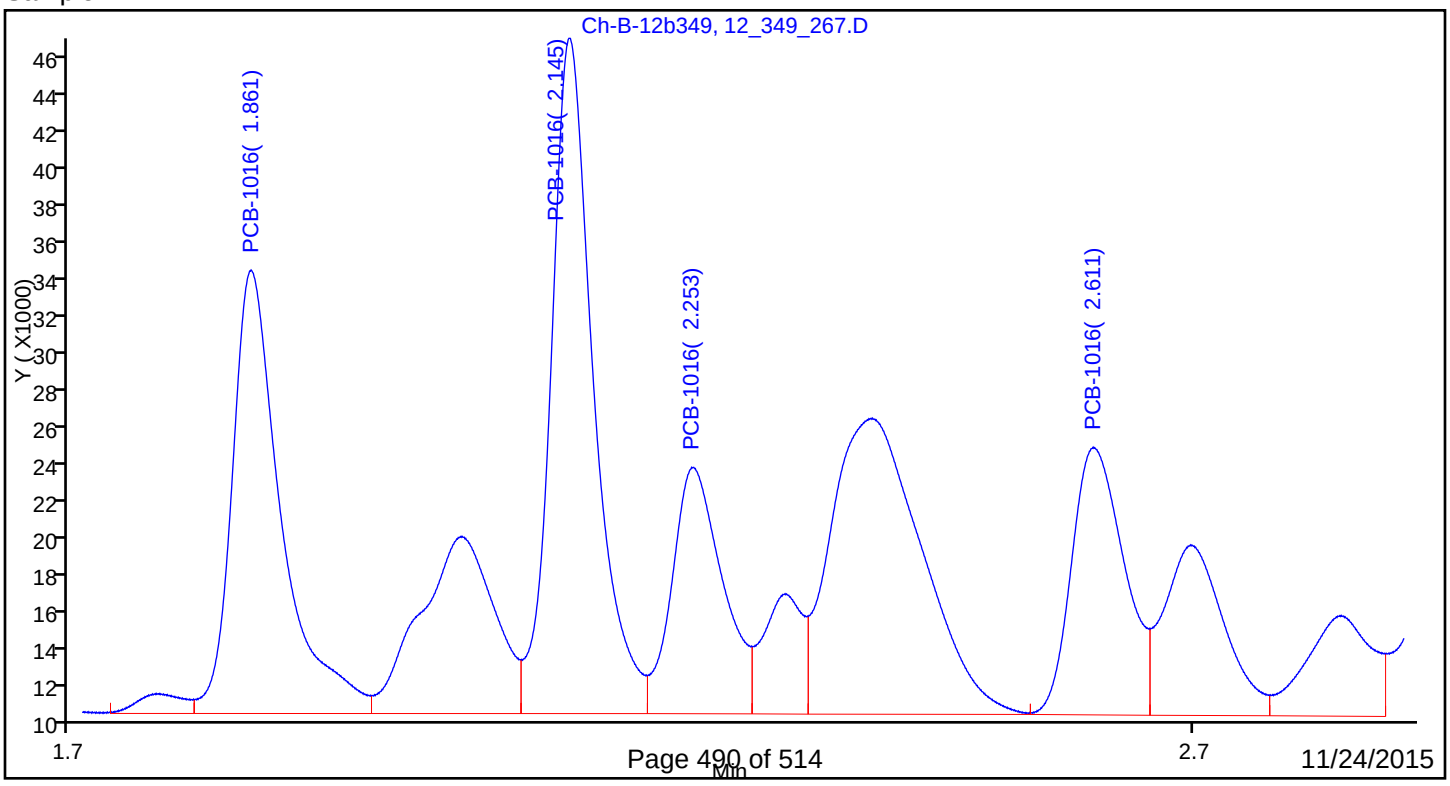
Injection Date:	18-Nov-2015 21:47:42	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-19-B MSD				
Client ID:	SS7-5				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 19-Nov-2015 12:04:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

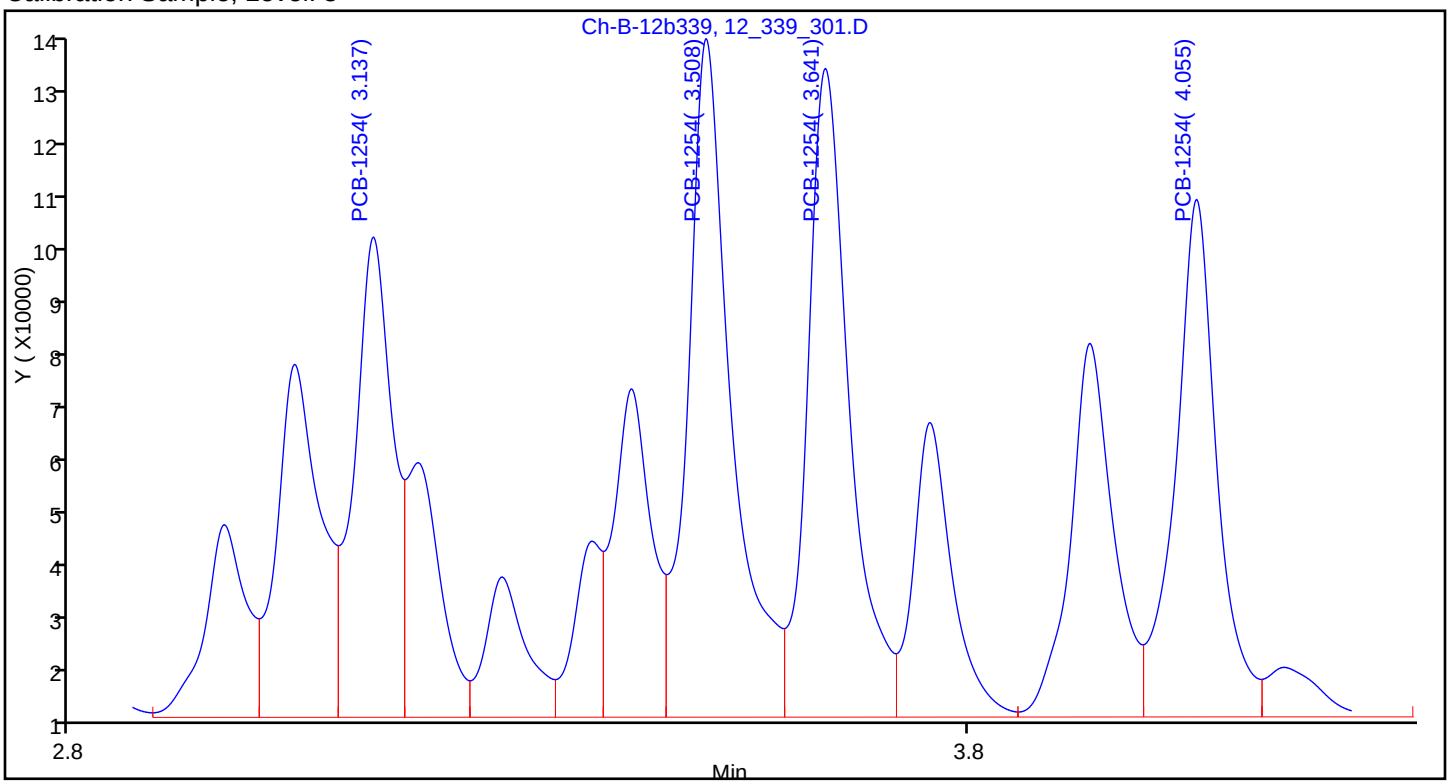
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_267.D

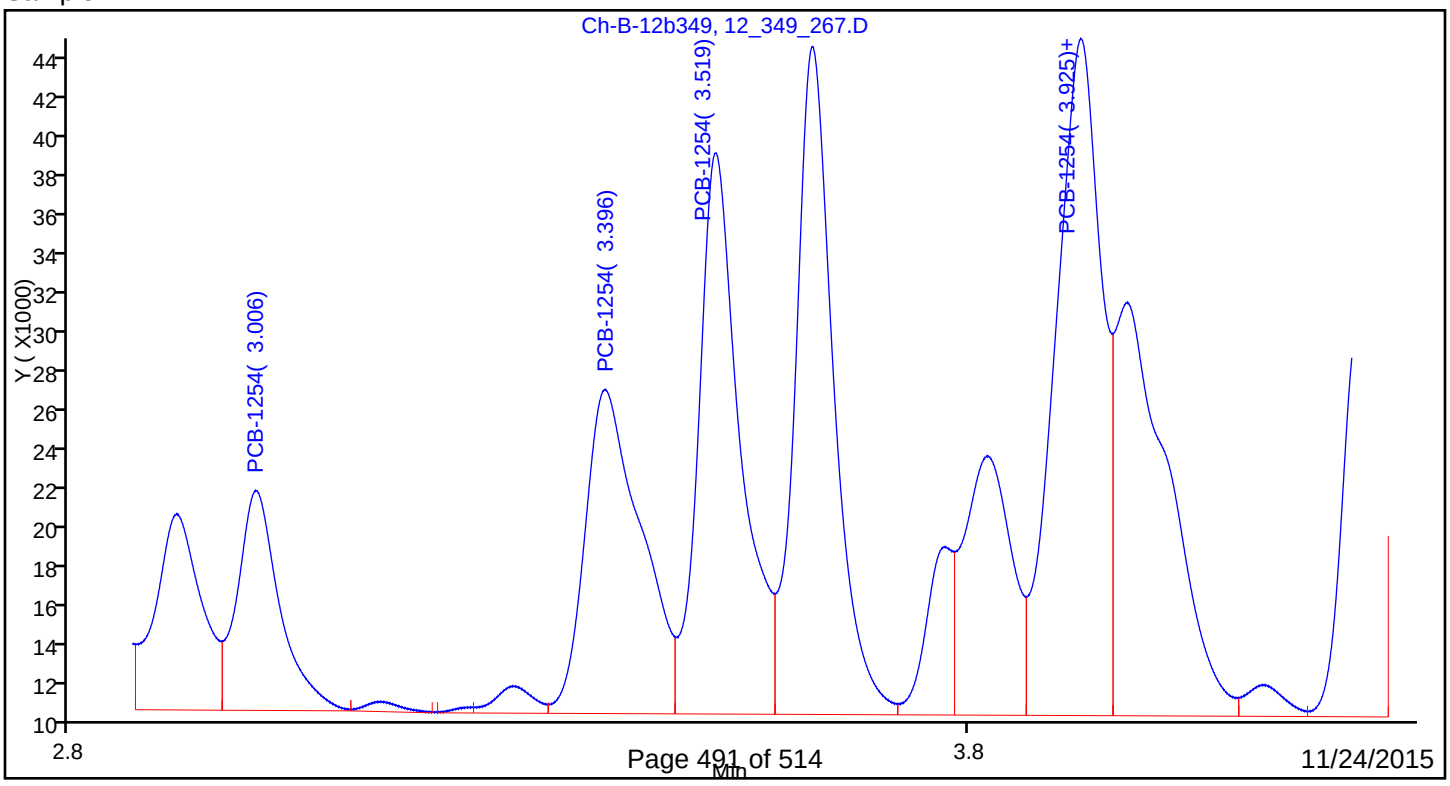
Injection Date:	18-Nov-2015 21:47:42	Instrument ID:	HP5890-12
Lims ID:	480-91253-A-19-B MSD		
Client ID:	SS7-5		
Operator ID:	buftchrom	ALS Bottle#:	0 Worklist Smp#: 33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



Report Date: 19-Nov-2015 12:04:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

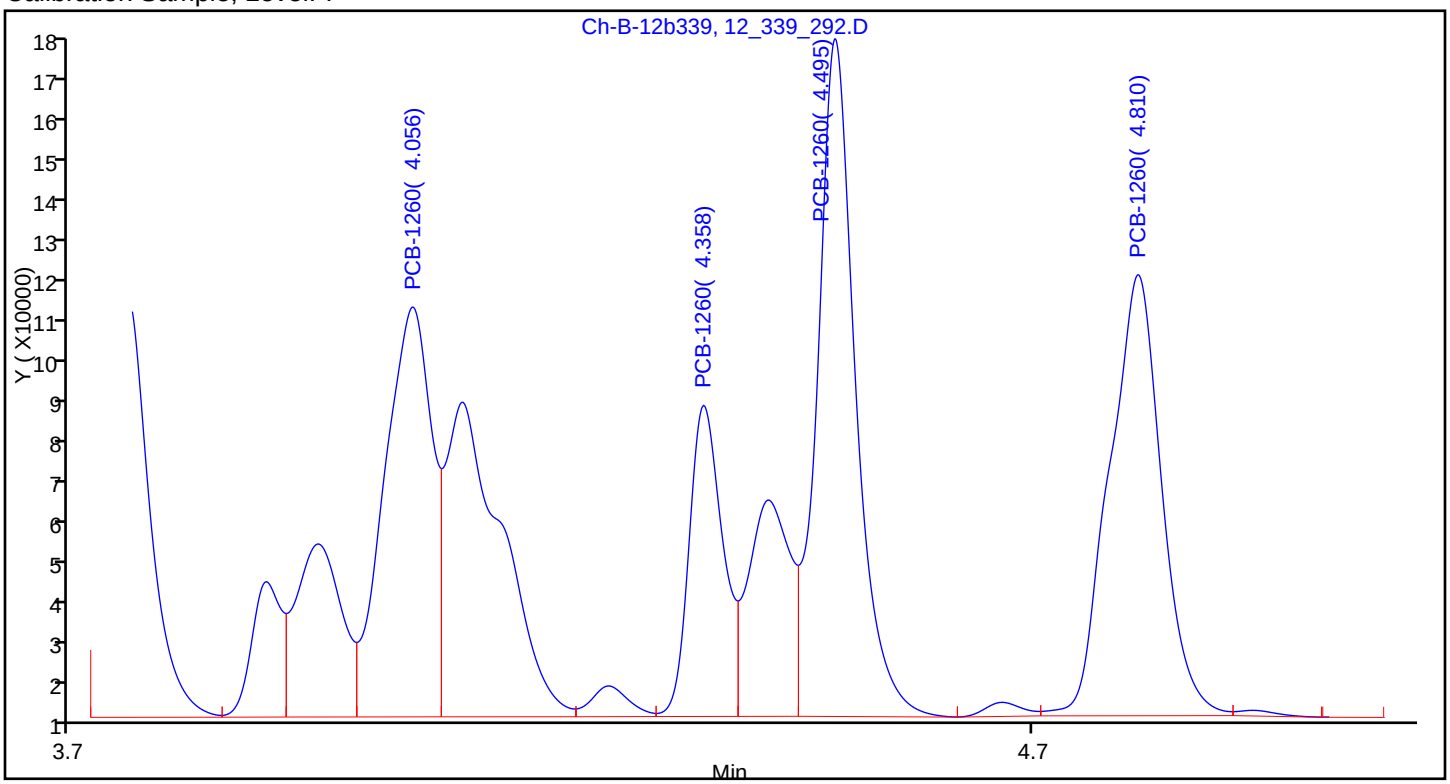
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151118-48469.b\12_349_267.D

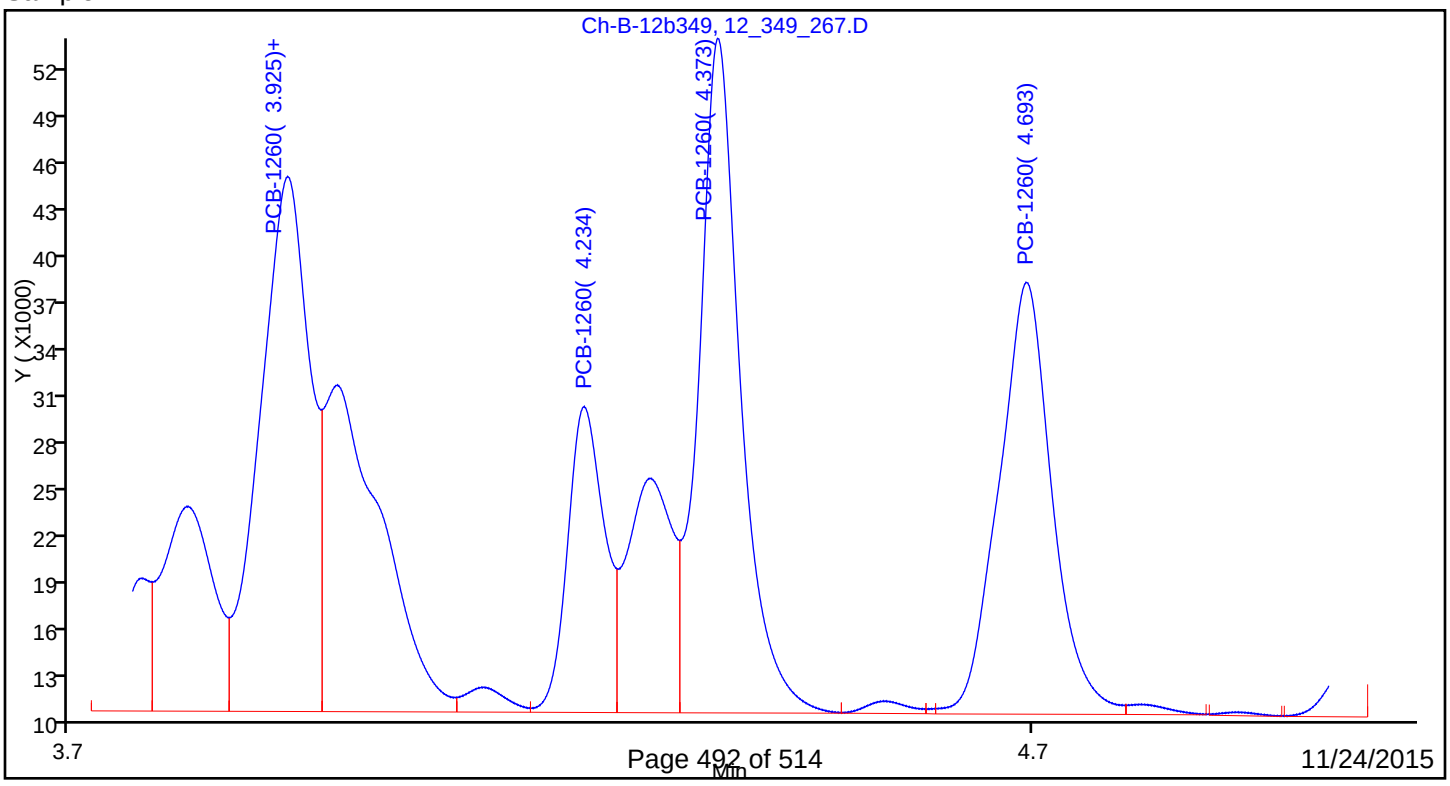
Injection Date:	18-Nov-2015 21:47:42	Instrument ID:	HP5890-12		
Lims ID:	480-91253-A-19-B MSD				
Client ID:	SS7-5				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 08/01/2015 13:14

Analysis Batch Number: 256564 End Date: 08/03/2015 14:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-256564/2		08/01/2015 13:14	1	12_339_292.D	ZB-5 0.25(mm)
IC 480-256564/2		08/01/2015 13:14	1	12_339_292.D	ZB-35 0.53(mm)
IC 480-256564/3		08/01/2015 13:29	1	12_339_293.D	ZB-5 0.25(mm)
IC 480-256564/3		08/01/2015 13:29	1	12_339_293.D	ZB-35 0.53(mm)
IC 480-256564/4		08/01/2015 13:43	1	12_339_294.D	ZB-5 0.25(mm)
IC 480-256564/4		08/01/2015 13:43	1	12_339_294.D	ZB-35 0.53(mm)
IC 480-256564/5		08/01/2015 13:58	1	12_339_295.D	ZB-5 0.25(mm)
IC 480-256564/5		08/01/2015 13:58	1	12_339_295.D	ZB-35 0.53(mm)
IC 480-256564/6		08/01/2015 14:13	1	12_339_296.D	ZB-5 0.25(mm)
IC 480-256564/6		08/01/2015 14:13	1	12_339_296.D	ZB-35 0.53(mm)
IC 480-256564/7		08/01/2015 14:28	1	12_339_297.D	ZB-5 0.25(mm)
IC 480-256564/7		08/01/2015 14:28	1	12_339_297.D	ZB-35 0.53(mm)
IC 480-256564/8		08/01/2015 14:43	1	12_339_298.D	ZB-5 0.25(mm)
IC 480-256564/8		08/01/2015 14:43	1	12_339_298.D	ZB-35 0.53(mm)
IC 480-256564/12		08/01/2015 15:43	1	12_339_302.D	ZB-5 0.25(mm)
IC 480-256564/12		08/01/2015 15:43	1	12_339_302.D	ZB-35 0.53(mm)
ICV 480-256564/14		08/01/2015 16:13	1		ZB-5 0.25(mm)
ICV 480-256564/14		08/01/2015 16:13	1		ZB-35 0.53(mm)
IC 480-256564/17		08/01/2015 16:58	1	12_339_307.D	ZB-5 0.25(mm)
IC 480-256564/17		08/01/2015 16:58	1	12_339_307.D	ZB-35 0.53(mm)
ICV 480-256564/19		08/01/2015 17:28	1		ZB-5 0.25(mm)
ICV 480-256564/19		08/01/2015 17:28	1		ZB-35 0.53(mm)
IC 480-256564/22		08/01/2015 18:12	1	12_339_312.D	ZB-5 0.25(mm)
IC 480-256564/22		08/01/2015 18:12	1	12_339_312.D	ZB-35 0.53(mm)
ICV 480-256564/24		08/01/2015 18:42	1		ZB-5 0.25(mm)
ICV 480-256564/24		08/01/2015 18:42	1		ZB-35 0.53(mm)
IC 480-256564/27		08/01/2015 19:27	1	12_339_317.D	ZB-5 0.25(mm)
IC 480-256564/27		08/01/2015 19:27	1	12_339_317.D	ZB-35 0.53(mm)
ICV 480-256564/9		08/03/2015 14:39	1		ZB-5 0.25(mm)
ICV 480-256564/9		08/03/2015 14:39	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 11/18/2015 13:44

Analysis Batch Number: 275686 End Date: 11/19/2015 05:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-275686/2		11/18/2015 13:44	1	12_349_236.D	ZB-5 0.25(mm)
CCV 480-275686/2		11/18/2015 13:44	1	12_349_236.D	ZB-35 0.53(mm)
MB 480-275569/1-A		11/18/2015 14:13	1	12_349_238.D	ZB-5 0.25(mm)
MB 480-275569/1-A		11/18/2015 14:13	1	12_349_238.D	ZB-35 0.53(mm)
LCS 480-275569/2-A		11/18/2015 14:28	1	12_349_239.D	ZB-5 0.25(mm)
LCS 480-275569/2-A		11/18/2015 14:28	1	12_349_239.D	ZB-35 0.53(mm)
ZZZZZ		11/18/2015 14:43	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 14:43	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 14:58	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 14:58	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 15:13	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 15:13	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 15:28	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 15:28	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 15:44	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 15:44	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 16:00	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 16:00	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 16:16	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 16:16	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 16:32	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 16:32	1		ZB-35 0.53(mm)
CCV 480-275686/14		11/18/2015 16:47	1	12_349_248.D	ZB-5 0.25(mm)
CCV 480-275686/14		11/18/2015 16:47	1	12_349_248.D	ZB-35 0.53(mm)
ZZZZZ		11/18/2015 17:19	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 17:19	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 17:35	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 17:35	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 17:51	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 17:51	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 18:06	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 18:06	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 18:22	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 18:22	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 18:38	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 18:38	1		ZB-35 0.53(mm)
ZZZZZ		11/18/2015 18:54	1		ZB-5 0.25(mm)
ZZZZZ		11/18/2015 18:54	1		ZB-35 0.53(mm)
480-91253-21	SS7-7	11/18/2015 19:09	1	12_349_257.D	ZB-5 0.25(mm)
480-91253-21	SS7-7	11/18/2015 19:09	1	12_349_257.D	ZB-35 0.53(mm)
480-91253-22	SS7-8	11/18/2015 19:25	1	12_349_258.D	ZB-5 0.25(mm)
480-91253-22	SS7-8	11/18/2015 19:25	1	12_349_258.D	ZB-35 0.53(mm)
480-91253-23	SS7-DUP	11/18/2015 19:41	1	12_349_259.D	ZB-5 0.25(mm)
480-91253-23	SS7-DUP	11/18/2015 19:41	1	12_349_259.D	ZB-35 0.53(mm)
CCV 480-275686/26		11/18/2015 19:57	1	12_349_260.D	ZB-5 0.25(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 11/18/2015 13:44

Analysis Batch Number: 275686 End Date: 11/19/2015 05:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-275686/26		11/18/2015 19:57	1	12_349_260.D	ZB-35 0.53(mm)
MB 480-275611/1-A		11/18/2015 20:28	1	12_349_262.D	ZB-5 0.25(mm)
MB 480-275611/1-A		11/18/2015 20:28	1	12_349_262.D	ZB-35 0.53(mm)
LCS 480-275611/2-A		11/18/2015 20:44	1	12_349_263.D	ZB-5 0.25(mm)
LCS 480-275611/2-A		11/18/2015 20:44	1	12_349_263.D	ZB-35 0.53(mm)
480-91253-11 MS	SS21-6 MS	11/18/2015 21:00	1	12_349_264.D	ZB-5 0.25(mm)
480-91253-11 MS	SS21-6 MS	11/18/2015 21:00	1	12_349_264.D	ZB-35 0.53(mm)
480-91253-11 MSD	SS21-6 MSD	11/18/2015 21:16	1	12_349_265.D	ZB-5 0.25(mm)
480-91253-11 MSD	SS21-6 MSD	11/18/2015 21:16	1	12_349_265.D	ZB-35 0.53(mm)
480-91253-19 MS	SS7-5 MS	11/18/2015 21:31	1	12_349_266.D	ZB-5 0.25(mm)
480-91253-19 MS	SS7-5 MS	11/18/2015 21:31	1	12_349_266.D	ZB-35 0.53(mm)
480-91253-19 MSD	SS7-5 MSD	11/18/2015 21:47	1	12_349_267.D	ZB-5 0.25(mm)
480-91253-19 MSD	SS7-5 MSD	11/18/2015 21:47	1	12_349_267.D	ZB-35 0.53(mm)
480-91253-1	SS20-1	11/18/2015 22:03	1	12_349_268.D	ZB-5 0.25(mm)
480-91253-1	SS20-1	11/18/2015 22:03	1	12_349_268.D	ZB-35 0.53(mm)
480-91253-2	SS20-4	11/18/2015 22:19	5	12_349_269.D	ZB-5 0.25(mm)
480-91253-2	SS20-4	11/18/2015 22:19	5	12_349_269.D	ZB-35 0.53(mm)
480-91253-3	SS20-5	11/18/2015 22:35	1	12_349_270.D	ZB-5 0.25(mm)
480-91253-3	SS20-5	11/18/2015 22:35	1	12_349_270.D	ZB-35 0.53(mm)
480-91253-4	SS20-7	11/18/2015 22:50	1	12_349_271.D	ZB-5 0.25(mm)
480-91253-4	SS20-7	11/18/2015 22:50	1	12_349_271.D	ZB-35 0.53(mm)
CCV 480-275686/38		11/18/2015 23:06	1	12_349_272.D	ZB-5 0.25(mm)
CCV 480-275686/38		11/18/2015 23:06	1	12_349_272.D	ZB-35 0.53(mm)
480-91253-5	SS20-8	11/18/2015 23:38	1	12_349_274.D	ZB-5 0.25(mm)
480-91253-5	SS20-8	11/18/2015 23:38	1	12_349_274.D	ZB-35 0.53(mm)
480-91253-6	SS21-1	11/18/2015 23:53	1	12_349_275.D	ZB-5 0.25(mm)
480-91253-6	SS21-1	11/18/2015 23:53	1	12_349_275.D	ZB-35 0.53(mm)
480-91253-7	SS21-2	11/19/2015 00:09	1	12_349_276.D	ZB-5 0.25(mm)
480-91253-7	SS21-2	11/19/2015 00:09	1	12_349_276.D	ZB-35 0.53(mm)
480-91253-8	SS21-3	11/19/2015 00:25	1	12_349_277.D	ZB-5 0.25(mm)
480-91253-8	SS21-3	11/19/2015 00:25	1	12_349_277.D	ZB-35 0.53(mm)
480-91253-9	SS21-4	11/19/2015 00:41	1	12_349_278.D	ZB-5 0.25(mm)
480-91253-9	SS21-4	11/19/2015 00:41	1	12_349_278.D	ZB-35 0.53(mm)
480-91253-10	SS21-5	11/19/2015 00:56	1	12_349_279.D	ZB-5 0.25(mm)
480-91253-10	SS21-5	11/19/2015 00:56	1	12_349_279.D	ZB-35 0.53(mm)
480-91253-11	SS21-6	11/19/2015 01:12	1	12_349_280.D	ZB-5 0.25(mm)
480-91253-11	SS21-6	11/19/2015 01:12	1	12_349_280.D	ZB-35 0.53(mm)
480-91253-12	SS21-DUP	11/19/2015 01:28	1	12_349_281.D	ZB-5 0.25(mm)
480-91253-12	SS21-DUP	11/19/2015 01:28	1	12_349_281.D	ZB-35 0.53(mm)
480-91253-13	SS21-7	11/19/2015 01:44	1	12_349_282.D	ZB-5 0.25(mm)
480-91253-13	SS21-7	11/19/2015 01:44	1	12_349_282.D	ZB-35 0.53(mm)
480-91253-14	SS21-8	11/19/2015 02:00	1	12_349_283.D	ZB-5 0.25(mm)
480-91253-14	SS21-8	11/19/2015 02:00	1	12_349_283.D	ZB-35 0.53(mm)
CCV 480-275686/50		11/19/2015 02:15	1	12_349_284.D	ZB-5 0.25(mm)
CCV 480-275686/50		11/19/2015 02:15	1	12_349_284.D	ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 11/18/2015 13:44

Analysis Batch Number: 275686 End Date: 11/19/2015 05:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-91253-15	SS7-1	11/19/2015 02:47	1	12_349_286.D	ZB-5 0.25(mm)
480-91253-15	SS7-1	11/19/2015 02:47	1	12_349_286.D	ZB-35 0.53(mm)
480-91253-16	SS7-2	11/19/2015 03:03	1	12_349_287.D	ZB-5 0.25(mm)
480-91253-16	SS7-2	11/19/2015 03:03	1	12_349_287.D	ZB-35 0.53(mm)
480-91253-17	SS7-3	11/19/2015 03:19	1	12_349_288.D	ZB-5 0.25(mm)
480-91253-17	SS7-3	11/19/2015 03:19	1	12_349_288.D	ZB-35 0.53(mm)
480-91253-18	SS7-4	11/19/2015 03:34	1	12_349_289.D	ZB-5 0.25(mm)
480-91253-18	SS7-4	11/19/2015 03:34	1	12_349_289.D	ZB-35 0.53(mm)
480-91253-19	SS7-5	11/19/2015 03:50	1	12_349_290.D	ZB-5 0.25(mm)
480-91253-19	SS7-5	11/19/2015 03:50	1	12_349_290.D	ZB-35 0.53(mm)
480-91253-20	SS7-6	11/19/2015 04:06	1	12_349_291.D	ZB-5 0.25(mm)
480-91253-20	SS7-6	11/19/2015 04:06	1	12_349_291.D	ZB-35 0.53(mm)
CCV 480-275686/58		11/19/2015 04:22	1	12_349_292.D	ZB-5 0.25(mm)
CCV 480-275686/58		11/19/2015 04:22	1	12_349_292.D	ZB-35 0.53(mm)
MB 480-275663/1-A		11/19/2015 04:53	1	12_349_294.D	ZB-5 0.25(mm)
MB 480-275663/1-A		11/19/2015 04:53	1	12_349_294.D	ZB-35 0.53(mm)
LCS 480-275663/2-A		11/19/2015 05:09	1	12_349_295.D	ZB-5 0.25(mm)
LCS 480-275663/2-A		11/19/2015 05:09	1	12_349_295.D	ZB-35 0.53(mm)
LCSD 480-275663/3-A		11/19/2015 05:25	1	12_349_296.D	ZB-5 0.25(mm)
LCSD 480-275663/3-A		11/19/2015 05:25	1	12_349_296.D	ZB-35 0.53(mm)
480-91253-24	SS-RINSEBLANK	11/19/2015 05:41	1	12_349_297.D	ZB-5 0.25(mm)
480-91253-24	SS-RINSEBLANK	11/19/2015 05:41	1	12_349_297.D	ZB-35 0.53(mm)
CCV 480-275686/64		11/19/2015 05:57	1	12_349_298.D	ZB-5 0.25(mm)
CCV 480-275686/64		11/19/2015 05:57	1	12_349_298.D	ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Batch Number: 275569 Batch Start Date: 11/18/15 08:09 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8081/82surr 00082	O_8082spike 00047	
MB 480-275569/1		3550C, 8082A		CALC NOT SET TO RUN	+2.03 g	10 mL	1 mL		
LCS 480-275569/2		3550C, 8082A		CALC NOT SET TO RUN	+2.02 g	10 mL	1 mL	1 mL	
480-91253-A-21	SS7-7	3550C, 8082A	T	CALC NOT SET TO RUN	+2.40 g	10 mL	1 mL		
480-91253-A-22	SS7-8	3550C, 8082A	T	CALC NOT SET TO RUN	+2.44 g	10 mL	1 mL		
480-91253-A-23	SS7-DUP	3550C, 8082A	T	CALC NOT SET TO RUN	+2.32 g	10 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric; 3068800
Balance ID	40029
Blank Soil Lot Number	2858180
Analyst performed Clean Up	CM 11/18/15
Na2SO4 Lot Number	2858180
Nominal Amount Used	2 g
Prep Solvent Lot #	3102954
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10
Person's name who witnessed reagent drop	CM
Perform Calculation (0=No, 1=Yes)	0

Basis	Basis Description
T	Total/NA

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

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Batch Number: 275611 Batch Start Date: 11/18/15 09:41 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8081/82surr 00082	O_8082spike 00047	
MB 480-275611/1		3550C, 8082A		CALC NOT SET TO RUN	+2.09 g	10 mL	1 mL		
LCS 480-275611/2		3550C, 8082A		CALC NOT SET TO RUN	+2.36 g	10 mL	1 mL	1 mL	
480-91253-A-11 MS	SS21-6	3550C, 8082A	T	CALC NOT SET TO RUN	+2.13 g	10 mL	1 mL	1 mL	
480-91253-A-11 MSD	SS21-6	3550C, 8082A	T	CALC NOT SET TO RUN	+2.03 g	10 mL	1 mL	1 mL	
480-91253-A-19 MS	SS7-5	3550C, 8082A	T	CALC NOT SET TO RUN	+2.12 g	10 mL	1 mL	1 mL	
480-91253-A-19 MSD	SS7-5	3550C, 8082A	T	CALC NOT SET TO RUN	+2.17 g	10 mL	1 mL	1 mL	
480-91253-A-1	SS20-1	3550C, 8082A	T	CALC NOT SET TO RUN	+2.08 g	10 mL	1 mL		
480-91253-A-2	SS20-4	3550C, 8082A	T	CALC NOT SET TO RUN	+2.12 g	10 mL	1 mL		
480-91253-A-3	SS20-5	3550C, 8082A	T	CALC NOT SET TO RUN	+2.43 g	10 mL	1 mL		
480-91253-A-4	SS20-7	3550C, 8082A	T	CALC NOT SET TO RUN	+2.05 g	10 mL	1 mL		
480-91253-A-5	SS20-8	3550C, 8082A	T	CALC NOT SET TO RUN	+2.03 g	10 mL	1 mL		
480-91253-A-6	SS21-1	3550C, 8082A	T	CALC NOT SET TO RUN	+2.06 g	10 mL	1 mL		
480-91253-A-7	SS21-2	3550C, 8082A	T	CALC NOT SET TO RUN	+2.07 g	10 mL	1 mL		
480-91253-A-8	SS21-3	3550C, 8082A	T	CALC NOT SET TO RUN	+2.49 g	10 mL	1 mL		
480-91253-A-9	SS21-4	3550C, 8082A	T	CALC NOT SET TO RUN	+2.60 g	10 mL	1 mL		
480-91253-A-10	SS21-5	3550C, 8082A	T	CALC NOT SET TO RUN	+2.70 g	10 mL	1 mL		
480-91253-A-11	SS21-6	3550C, 8082A	T	CALC NOT SET TO RUN	+2.40 g	10 mL	1 mL		
480-91253-A-12	SS21-DUP	3550C, 8082A	T	CALC NOT SET TO RUN	+2.01 g	10 mL	1 mL		
480-91253-A-13	SS21-7	3550C, 8082A	T	CALC NOT SET TO RUN	+2.02 g	10 mL	1 mL		
480-91253-A-14	SS21-8	3550C, 8082A	T	CALC NOT SET TO RUN	+2.22 g	10 mL	1 mL		
480-91253-A-15	SS7-1	3550C, 8082A	T	CALC NOT SET TO RUN	+2.87 g	10 mL	1 mL		

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

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Batch Number: 275611 Batch Start Date: 11/18/15 09:41 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8081/82surr 00082	O_8082spike 00047	
480-91253-A-16	SS7-2	3550C, 8082A	T	CALC NOT SET TO RUN	+2.49 g	10 mL	1 mL		
480-91253-A-17	SS7-3	3550C, 8082A	T	CALC NOT SET TO RUN	+2.37 g	10 mL	1 mL		
480-91253-A-18	SS7-4	3550C, 8082A	T	CALC NOT SET TO RUN	+2.75 g	10 mL	1 mL		
480-91253-A-19	SS7-5	3550C, 8082A	T	CALC NOT SET TO RUN	+2.17 g	10 mL	1 mL		
480-91253-A-20	SS7-6	3550C, 8082A	T	CALC NOT SET TO RUN	+2.73 g	10 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric; 3068800
Balance ID	40029
Blank Soil Lot Number	2858180
Analyst performed Clean Up	CM 11/18/15
Na2SO4 Lot Number	2858180
Nominal Amount Used	2 g
Prep Solvent Lot #	3102954
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10
Person's name who witnessed reagent drop	CM
Perform Calculation (0=No, 1=Yes)	0

Basis	Basis Description
T	Total/NA

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

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Batch Number: 275663 Batch Start Date: 11/18/15 13:24 Batch Analyst: Hartigan, Connor P

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	O_8081/82surr 00082
MB 480-275663/1		3510C, 8082A		7 SU			1000 mL	10 mL	1 mL
LCS 480-275663/2		3510C, 8082A		7 SU			1000 mL	10 mL	1 mL
LCSD 480-275663/3		3510C, 8082A		7 SU			1000 mL	10 mL	1 mL
480-91253-A-24	SS-RINSEBLANK	3510C, 8082A	T	6 SU	1547.5 g	506.2 g	1041.3 mL	10 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8082spike 00047	AnalysisComment				
MB 480-275663/1		3510C, 8082A							
LCS 480-275663/2		3510C, 8082A		1 mL					
LCSD 480-275663/3		3510C, 8082A		1 mL					
480-91253-A-24	SS-RINSEBLANK	3510C, 8082A	T		Density=1.00				

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric 3106041 CH 11/18/15
Batch Comment	Q24323B Tip Lot # E161370K
Person's name who did the concentration	AW, CH, IL
Exchange Solvent Lot #	3102956
Exchange Solvent Name	Hexane
Na2SO4 Lot Number	2858180
Prep Solvent Lot #	3094645
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	AW, CH
Person's name who witnessed reagent drop	CH
Sufficient volume for MS/MSD?	NO

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91253-1

SDG No.:

Project: Lockheed Martin Corporation - PCBs

Client Sample ID	Lab Sample ID
SS20-1	480-91253-1
SS20-4	480-91253-2
SS20-5	480-91253-3
SS20-7	480-91253-4
SS20-8	480-91253-5
SS21-1	480-91253-6
SS21-2	480-91253-7
SS21-3	480-91253-8
SS21-4	480-91253-9
SS21-5	480-91253-10
SS21-6	480-91253-11
SS21-DUP	480-91253-12
SS21-7	480-91253-13
SS21-8	480-91253-14
SS7-1	480-91253-15
SS7-2	480-91253-16
SS7-3	480-91253-17
SS7-4	480-91253-18
SS7-5	480-91253-19
SS7-6	480-91253-20
SS7-7	480-91253-21
SS7-8	480-91253-22
SS7-DUP	480-91253-23

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91253-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91253-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/18/2015 15:43 End Date: 11/18/2015 15:43

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/18/2015 15:43 End Date: 11/18/2015 15:43

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
480-91253-1	1	T	15:43	X	X																			
480-91253-2	1	T	15:43	X	X																			
480-91253-3	1	T	15:43	X	X																			
480-91253-4	1	T	15:43	X	X																			
480-91253-5	1	T	15:43	X	X																			
480-91253-6	1	T	15:43	X	X																			
480-91253-7	1	T	15:43	X	X																			
480-91253-8	1	T	15:43	X	X																			
480-91253-9	1	T	15:43	X	X																			
480-91253-10	1	T	15:43	X	X																			
480-91253-11	1	T	15:43	X	X																			
480-91253-11 MS	1	T	15:43	X	X																			
480-91253-11 MSD	1	T	15:43	X	X																			
480-91253-12	1	T	15:43	X	X																			
480-91253-13	1	T	15:43	X	X																			
480-91253-14	1	T	15:43	X	X																			
480-91253-15	1	T	15:43	X	X																			
480-91253-16	1	T	15:43	X	X																			
480-91253-17	1	T	15:43	X	X																			
480-91253-18	1	T	15:43	X	X																			
480-91253-19	1	T	15:43	X	X																			
480-91253-19 MS	1	T	15:43	X	X																			
480-91253-19 MSD	1	T	15:43	X	X																			
480-91253-20	1	T	15:43	X	X																			
480-91253-21	1	T	15:43	X	X																			
480-91253-22	1	T	15:43	X	X																			
480-91253-23	1	T	15:43	X	X																			
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					
ZZZZZZ			15:43																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/18/2015 15:43 End Date: 11/18/2015 15:43

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			15:43																				
ZZZZZZ			15:43																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Batch Number: 275708 Batch Start Date: 11/18/15 15:43 Batch Analyst: Kolb, Chris M

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-91253-A-1	SS20-1	Moisture	T	52	4.30 g	16.32 g	15.89 g		
480-91253-A-2	SS20-4	Moisture	T	53	4.30 g	11.08 g	10.50 g		
480-91253-A-3	SS20-5	Moisture	T	54	4.30 g	12.31 g	11.47 g		
480-91253-A-4	SS20-7	Moisture	T	55	4.30 g	18.07 g	17.49 g		
480-91253-A-5	SS20-8	Moisture	T	56	4.30 g	9.93 g	9.50 g		
480-91253-A-6	SS21-1	Moisture	T	57	4.30 g	12.49 g	10.88 g		
480-91253-A-7	SS21-2	Moisture	T	58	4.30 g	12.85 g	11.09 g		
480-91253-A-8	SS21-3	Moisture	T	59	4.30 g	14.40 g	12.79 g		
480-91253-A-9	SS21-4	Moisture	T	60	4.30 g	12.99 g	11.73 g		
480-91253-A-10	SS21-5	Moisture	T	61	4.30 g	14.82 g	13.11 g		
480-91253-A-11	SS21-6	Moisture	T	62	4.30 g	15.76 g	13.86 g		
480-91253-A-11 MS	SS21-6	Moisture	T	62	4.30 g	15.76 g	13.86 g		
480-91253-A-11 MSD	SS21-6	Moisture	T	62	4.30 g	15.76 g	13.86 g		
480-91253-A-12	SS21-DUP	Moisture	T	63	4.30 g	14.53 g	12.87 g		
480-91253-A-13	SS21-7	Moisture	T	64	4.30 g	13.99 g	12.30 g		
480-91253-A-14	SS21-8	Moisture	T	65	4.30 g	14.65 g	12.83 g		
480-91253-A-15	SS7-1	Moisture	T	66	4.30 g	12.50 g	11.76 g		
480-91253-A-16	SS7-2	Moisture	T	67	4.30 g	14.72 g	13.72 g		
480-91253-A-17	SS7-3	Moisture	T	68	4.30 g	15.97 g	15.14 g		
480-91253-A-18	SS7-4	Moisture	T	69	4.30 g	15.51 g	14.53 g		
480-91253-A-19	SS7-5	Moisture	T	70	4.30 g	18.13 g	16.74 g		
480-91253-A-19 MS	SS7-5	Moisture	T	70	4.30 g	18.13 g	16.74 g		
480-91253-A-19 MSD	SS7-5	Moisture	T	70	4.30 g	18.13 g	16.74 g		
480-91253-A-20	SS7-6	Moisture	T	71	4.30 g	21.07 g	17.98 g		
480-91253-A-21	SS7-7	Moisture	T	72	4.30 g	16.90 g	15.81 g		
480-91253-A-22	SS7-8	Moisture	T	73	4.30 g	18.24 g	16.81 g		
480-91253-A-23	SS7-DUP	Moisture	T	74	4.30 g	14.38 g	13.66 g		

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91253-1

SDG No.:

Batch Number: 275708 Batch Start Date: 11/18/15 15:43 Batch Analyst: Kolb, Chris M

Batch Method: Moisture Batch End Date:

Batch Notes	
Batch Comment	pp-fh-6a-15-s1
Date samples were placed in the oven	11/18/15
Time samples were place in the oven	1630
Date samples were removed from oven	19NOV2015
Time Samples were removed from oven	0840

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Laura Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.6
Client Contact: Ms. Laura Best	Phone: (585)301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page ~~6 of 6~~ 1 of 3
Company: Stantec Consulting Services Inc				Job #:

Address: 61 Commercial Street	Due Date Requested: End of day 11/19/15
City: Rochester	TAT Requested (days): 2
State, Zip: NY, 14614	
Phone:	PO #: Purchase Order not required
Email: laura.best@stantec.com	WO #: 10137
Project Name: Lockheed Martin Corporation	Project #: 48002828
Site: New York	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

480-91253 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	N	A		
SS20-1	11/17/15	1055	G	Solid		X					
SS20-4		1105		Solid							
SS20-5		1125		Solid							
SS20-7		0925		Solid							
SS20-8		1115		Solid							
SS21-1		1205		Solid							
SS21-2		1215		Solid							
SS21-3		1310		Solid							
SS21-4		1315		Solid							
SS21-5		1325		Solid							
SS21-6		1335		Solid		X				3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Category B, NYSDEC Equis EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Laura Best	Date/Time: 11/17/15 1755	Company: Stantec	Received by:	Date/Time: 11-17-15 17:55	Company: Stantec
Relinquished by:	Date/Time: 11/17/15 1900	Company: STL	Received by:	Date/Time: 11-18-15 0200	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.5

Page 511 of 514

483325 - Syracuse QC

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Laura Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.7
Client Contact: Ms. Laura Best	Phone: (585)301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: ~~Page 7 of 8~~ Page 2 of 3
Company: Stantec Consulting Services Inc				Job #:

Address: 61 Commercial Street	Due Date Requested: End of day 11/19/15	
City: Rochester	TAT Requested (days): 2	
State, Zip: NY, 14614		
Phone:	PO #: Purchase Order not required	
Email: laura.best@stantec.com	WO #: 10137	
Project Name: Lockheed Martin Corporation	Project #: 48002828	
Site: New York	SSOW#:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	N	A		
~~SS 21~~ SS21-DUP	11/17/15	1210	G	Solid			X			1	
SS21-7		1350		Solid						1	
SS21-8		1355		Solid						1	
SS7-1		1420		Solid						1	
SS7-2		1435		Solid						1	
SS7-3		1450		Solid						1	
SS7-4		1505		Solid						1	
SS7-5		1430		Solid		X				3	
SS7-6		1440		Solid						1	
SS7-7		1500		Solid						1	
SS7-8		1510		Solid						1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Category B, NYSDEC Equis EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Laura Best	11/17/15 1755	Stantec	Received by:	11-17-15, 17:55	JyR
Relinquished by:	11/17/15 1900	SVR	Received by:	11-18-15 0200	TMD
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.5 #1

Page 512 of 514

11/24/2015

483325 - Syracuse SC

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Laura Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.8
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: ~~Page 8 of 9~~ 3 of 3
Company: Stantec Consulting Services Inc				Job #:

Address: 61 Commercial Street	Due Date Requested: End of Day 11/19/15
City: Rochester	TAT Requested (days): 2
State, Zip: NY, 14614	
Phone:	PO #: Purchase Order not required
Email: laura.best@stantec.com	WO #: 10137
Project Name: Lockheed Martin Corporation	Project #: 48002828
Site: New York	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
SS7-DUP	11/17/15	1455	G	Solid			X			1	
SS-RINSEBLANK	11/17/15	1645	G	~~Solid~~ W			X			2	
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Water							
				Water							
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Category B, NYSDEC Equis EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
11/24/2015	Laura Best	11/17/15 1755	Stantec		11-17-15, 17:55	Fed Ex
	Relinquished by:	Date/Time: 11/17/15 19:00	Company SVL	Received by:	11-18-15 0200	Fed Ex
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.5 #1

Page 513 of 514

483325 - Syracuse SC

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-91253-1

Login Number: 91253
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-91550-1

Job Description: Lockheed Martin Corporation - PCBs

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Ryan T VanDette
Project Manager II
11/30/2015 5:31 PM

Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
11/30/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 5

Sample Summary 12

Executive Summary 13

Method Summary 14

Method / Analyst Summary 15

Sample Datasheets 16

Surrogate Summary 22

QC Data Summary 23

Data Qualifiers 24

QC Association Summary 25

Lab Chronicle 26

Certification Summary 27

Organic Sample Data 28

GC Semi VOA 28

Method 8082A 28

Method 8082A QC Summary 29

Method 8082A Sample Data 36

Standards Data 49

Method 8082A ICAL Data 49

Method 8082A CCAL Data 157

Raw QC Data 191

Method 8082A Blank Data 191

Method 8082A LCS/LCSD Data 194

Table of Contents

Method 8082A Run Logs 200

Method 8082A Prep Data 202

Inorganic Sample Data 203

General Chemistry Data 203

Gen Chem Cover Page 204

Gen Chem MDL 205

Gen Chem Analysis Run Log 207

Gen Chem Prep Data 208

Shipping and Receiving Documents 209

Client Chain of Custody 210

Sample Receipt Checklist 211

Job Narrative
480-91550-1

Comments
No additional comments.

Receipt
The samples were received on 11/21/2015 1:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

GC Semi VOA
Method(s) 8082A: All primary data is reported from the ZB-35 column.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3550C: The following sample: SS20-6 (480-91550-6) was decanted prior to preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/3 Client Sample ID:

Date Analyzed: 08/01/15 13:29 Lab File ID: 12_339_293.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.69	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 1	2.25	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 2	2.39	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 3	2.59	Incomplete Integration	eversd	08/03/15 11:06
PCB-1016 Peak 4	2.67	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 3	4.53	Incomplete Integration	eversd	08/03/15 11:06
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:06

Lab Sample ID: IC 480-256564/5 Client Sample ID:

Date Analyzed: 08/01/15 13:58 Lab File ID: 12_339_295.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.26	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 2	2.39	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 3	2.59	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 4	2.67	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.54	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:07

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/5 Client Sample ID:

Date Analyzed: 08/01/15 13:58 Lab File ID: 12_339_295.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.98	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 2	2.27	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 3	2.38	Incomplete Integration	eversd	08/03/15 11:07
PCB-1016 Peak 4	2.75	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 1	4.05	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.36	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.50	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.81	Incomplete Integration	eversd	08/03/15 11:07

Lab Sample ID: IC 480-256564/6 Client Sample ID:

Date Analyzed: 08/01/15 14:13 Lab File ID: 12_339_296.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.54	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:07

Lab Sample ID: IC 480-256564/6 Client Sample ID:

Date Analyzed: 08/01/15 14:13 Lab File ID: 12_339_296.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.06	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 2	4.36	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 3	4.50	Incomplete Integration	eversd	08/03/15 11:07
PCB-1260 Peak 4	4.81	Incomplete Integration	eversd	08/03/15 11:07

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/7 Client Sample ID:

Date Analyzed: 08/01/15 14:28 Lab File ID: 12_339_297.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.69	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 1	2.25	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 2	2.39	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 3	2.59	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 4	2.67	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 1	4.19	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 2	4.41	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 3	4.54	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 4	4.92	Peak Tail	eversd	08/03/15 11:08

Lab Sample ID: IC 480-256564/7 Client Sample ID:

Date Analyzed: 08/01/15 14:28 Lab File ID: 12_339_297.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.97	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 2	2.26	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 3	2.38	Peak Tail	eversd	08/03/15 11:08
PCB-1016 Peak 4	2.74	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 1	4.06	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 2	4.36	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 3	4.50	Peak Tail	eversd	08/03/15 11:08
PCB-1260 Peak 4	4.81	Peak Tail	eversd	08/03/15 11:08

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/8 Client Sample ID:

Date Analyzed: 08/01/15 14:43 Lab File ID: 12_339_298.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.25	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 2	2.39	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 3	2.59	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 4	2.68	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 1	4.19	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 2	4.41	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 3	4.54	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 4	4.92	Incomplete Integration	eversd	08/03/15 11:09
DCB Decachlorobiphenyl	6.23	Incomplete Integration	eversd	08/03/15 11:09

Lab Sample ID: IC 480-256564/8 Client Sample ID:

Date Analyzed: 08/01/15 14:43 Lab File ID: 12_339_298.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.31	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 1	1.97	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 2	2.26	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 3	2.37	Incomplete Integration	eversd	08/03/15 11:09
PCB-1016 Peak 4	2.75	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 1	4.06	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 2	4.36	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 3	4.50	Incomplete Integration	eversd	08/03/15 11:09
PCB-1260 Peak 4	4.82	Incomplete Integration	eversd	08/03/15 11:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 256564

Lab Sample ID: IC 480-256564/12 Client Sample ID:

Date Analyzed: 08/01/15 15:43 Lab File ID: 12_339_302.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 3	1.68	Unspecified	eversd	08/03/15 13:38

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 276545

Lab Sample ID: CCV 480-276545/2 Client Sample ID:

Date Analyzed: 11/23/15 16:34 Lab File ID: 12_350_060.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/23/15 16:57
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/23/15 16:57
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/23/15 16:57
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/23/15 16:57

Lab Sample ID: CCV 480-276545/2 Client Sample ID:

Date Analyzed: 11/23/15 16:34 Lab File ID: 12_350_060.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	3.92	Split Peak	sobolk	11/23/15 16:57
PCB-1260 Peak 2	4.23	Split Peak	sobolk	11/23/15 16:57
PCB-1260 Peak 3	4.37	Split Peak	sobolk	11/23/15 16:57
PCB-1260 Peak 4	4.68	Split Peak	sobolk	11/23/15 16:57

Lab Sample ID: LCS 480-276503/2-A Client Sample ID:

Date Analyzed: 11/23/15 17:18 Lab File ID: 12_350_063.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	sobolk	11/23/15 17:31
PCB-1016 Peak 2	2.27	Split Peak	sobolk	11/23/15 17:31
PCB-1016 Peak 3	2.46	Split Peak	sobolk	11/23/15 17:31
PCB-1016 Peak 4	2.54	Split Peak	sobolk	11/23/15 17:31

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 276545

Lab Sample ID: CCV 480-276545/14 Client Sample ID:

Date Analyzed: 11/23/15 19:31 Lab File ID: 12_350_072.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	owenj	11/24/15 08:49
PCB-1016 Peak 2	2.27	Split Peak	owenj	11/24/15 08:49
PCB-1016 Peak 3	2.46	Split Peak	owenj	11/24/15 08:49
PCB-1016 Peak 4	2.54	Split Peak	owenj	11/24/15 08:49

Lab Sample ID: 480-91550-4 Client Sample ID: SS20-2

Date Analyzed: 11/23/15 20:16 Lab File ID: 12_350_075.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.01	Split Peak	owenj	11/24/15 09:11
PCB-1254 Peak 2	3.38	Split Peak	owenj	11/24/15 09:11
PCB-1254 Peak 3	3.51	Split Peak	owenj	11/24/15 09:11
PCB-1254 Peak 4	3.92	Split Peak	owenj	11/24/15 09:11

Lab Sample ID: CCV 480-276545/20 Client Sample ID:

Date Analyzed: 11/23/15 21:00 Lab File ID: 12_350_078.D GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.13	Split Peak	owenj	11/24/15 08:58
PCB-1016 Peak 2	2.27	Split Peak	owenj	11/24/15 08:58
PCB-1016 Peak 3	2.46	Split Peak	owenj	11/24/15 08:58
PCB-1016 Peak 4	2.54	Split Peak	owenj	11/24/15 08:58

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91550-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-91550-4	SS20-2	Solid	11/20/2015 1020	11/21/2015 0150
480-91550-5	SS20-3	Solid	11/20/2015 1110	11/21/2015 0150
480-91550-6	SS20-6	Solid	11/20/2015 1045	11/21/2015 0150

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91550-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-91550-4	**SS20-2**					
PCB-1254		0.31		0.23	mg/Kg	8082A
Percent Moisture		3.8		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
480-91550-5	**SS20-3**					
PCB-1254		0.16	J	0.20	mg/Kg	8082A
Percent Moisture		5.5		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
480-91550-6	**SS20-6**					
PCB-1254		0.19	J	0.24	mg/Kg	8082A
Percent Moisture		14		0.10	%	Moisture
Percent Solids		86		0.10	%	Moisture

METHOD SUMMARY

Client: Stantec Consulting Services Inc | Job Number: 480-91550-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082A	
Ultrasonic Extraction	TAL BUF		SW846 3550C
Percent Moisture	TAL BUF	EPA Moisture	

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91550-1

Method	Analyst	Analyst ID
SW846 8082A	Owen, Joshua M	JMO
EPA Moisture	Williams, Christopher S	CSW

Client: Stantec Consulting Services Inc | Job Number: 480-91550-1

Client Sample ID: **SS20-2**

Lab Sample ID: 480-91550-4 | Date Sampled: 11/20/2015 1020
Client Matrix: Solid | % Moisture: 3.8 | Date Received: 11/21/2015 0150

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-276545	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-276503	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/23/2015 2016			Injection Volume:	1 uL
Prep Date:	11/23/2015 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.044	0.23
PCB-1221		ND		0.044	0.23
PCB-1232		ND		0.044	0.23
PCB-1242		ND		0.044	0.23
PCB-1248		ND		0.044	0.23
PCB-1254		0.31		0.11	0.23
PCB-1260		ND		0.11	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	87		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91550-1

Client Sample ID: **SS20-3**

Lab Sample ID: 480-91550-5 | Date Sampled: 11/20/2015 1110
Client Matrix: Solid | % Moisture: 5.5 | Date Received: 11/21/2015 0150

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-276545	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-276503	Initial Weight/Volume:	+2.62 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/23/2015 2001			Injection Volume:	1 uL
Prep Date:	11/23/2015 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.039	0.20
PCB-1221		ND		0.039	0.20
PCB-1232		ND		0.039	0.20
PCB-1242		ND		0.039	0.20
PCB-1248		ND		0.039	0.20
PCB-1254		0.16	J	0.095	0.20
PCB-1260		ND		0.095	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		60 - 154
DCB Decachlorobiphenyl	86		65 - 174

Client: Stantec Consulting Services Inc | Job Number: 480-91550-1

Client Sample ID: **SS20-6**

Lab Sample ID: 480-91550-6 | Date Sampled: 11/20/2015 1045
Client Matrix: Solid | % Moisture: 14.2 | Date Received: 11/21/2015 0150

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-276545	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-276503	Initial Weight/Volume:	+2.43 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/23/2015 2031			Injection Volume:	1 uL
Prep Date:	11/23/2015 1201			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		ND		0.047	0.24
PCB-1221		ND		0.047	0.24
PCB-1232		ND		0.047	0.24
PCB-1242		ND		0.047	0.24
PCB-1248		ND		0.047	0.24
PCB-1254		0.19	J	0.11	0.24
PCB-1260		ND		0.11	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		60 - 154
DCB Decachlorobiphenyl	73		65 - 174

General Chemistry

Client Sample ID: **SS20-2**

Lab Sample ID: 480-91550-4 Date Sampled: 11/20/2015 1020
Client Matrix: Solid Date Received: 11/21/2015 0150

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276276	Analysis Date: 11/21/2015 0738						DryWt Corrected: N
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276276	Analysis Date: 11/21/2015 0738						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS20-3**

Lab Sample ID: 480-91550-5 Date Sampled: 11/20/2015 1110
Client Matrix: Solid Date Received: 11/21/2015 0150

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276276	Analysis Date: 11/21/2015 0738						DryWt Corrected: N
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276276	Analysis Date: 11/21/2015 0738						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS20-6**

Lab Sample ID: 480-91550-6 Date Sampled: 11/20/2015 1045
Client Matrix: Solid Date Received: 11/21/2015 0150

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276276	Analysis Date: 11/21/2015 0738						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276276	Analysis Date: 11/21/2015 0738						DryWt Corrected: N

Client: Stantec Consulting Services Inc

Job Number: 480-91550-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
480-91550-4	SS20-2	106	87
480-91550-5	SS20-3	104	86
480-91550-6	SS20-6	97	73
MB 480-276503/1-A		99	103
LCS 480-276503/2-A		115	117

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	60-154
DCB = DCB Decachlorobiphenyl	65-174

Client: Stantec Consulting Services Inc

Job Number: 480-91550-1

Method Blank - Batch: 480-276503

Method: 8082A
Preparation: 3550C

Lab Sample ID:	MB 480-276503/1-A	Analysis Batch:	480-276545	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-276503	Lab File ID:	12_350_062.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	11/23/2015 1703	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/23/2015 1201			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.039	0.20
PCB-1221	ND		0.039	0.20
PCB-1232	ND		0.039	0.20
PCB-1242	ND		0.039	0.20
PCB-1248	ND		0.039	0.20
PCB-1254	ND		0.094	0.20
PCB-1260	ND		0.094	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	99	60 - 154
DCB Decachlorobiphenyl	103	65 - 174

Lab Control Sample - Batch: 480-276503

Method: 8082A
Preparation: 3550C

Lab Sample ID:	LCS 480-276503/2-A	Analysis Batch:	480-276545	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-276503	Lab File ID:	12_350_063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.5 g
Analysis Date:	11/23/2015 1718	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/23/2015 1201			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	2.00	2.44	122	51 - 185	
PCB-1260	2.00	2.47	123	61 - 184	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	115	60 - 154
DCB Decachlorobiphenyl	117	65 - 174

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc Job Number: 480-91550-1

Lab Section	Qualifier	Description
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Stantec Consulting Services Inc Job Number: 480-91550-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-276503					
LCS 480-276503/2-A	Lab Control Sample	T	Solid	3550C	
MB 480-276503/1-A	Method Blank	T	Solid	3550C	
480-91550-4	SS20-2	T	Solid	3550C	
480-91550-5	SS20-3	T	Solid	3550C	
480-91550-6	SS20-6	T	Solid	3550C	
Analysis Batch:480-276545					
LCS 480-276503/2-A	Lab Control Sample	T	Solid	8082A	480-276503
MB 480-276503/1-A	Method Blank	T	Solid	8082A	480-276503
480-91550-4	SS20-2	T	Solid	8082A	480-276503
480-91550-5	SS20-3	T	Solid	8082A	480-276503
480-91550-6	SS20-6	T	Solid	8082A	480-276503

Report Basis
T = Total

General Chemistry					
Analysis Batch:480-276276					
480-91550-4	SS20-2	T	Solid	Moisture	
480-91550-5	SS20-3	T	Solid	Moisture	
480-91550-6	SS20-6	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-91550-1

Laboratory Chronicle

Lab ID: 480-91550-4 **Client ID: SS20-2**

Sample Date/Time: 11/20/2015 10:20 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91550-A-4-B		480-276545	480-276503	11/23/2015 12:01	1	TAL BUF	CAM
A:8082A	480-91550-A-4-B		480-276545	480-276503	11/23/2015 20:16	1	TAL BUF	JMO
A:Moisture	480-91550-A-4		480-276276		11/21/2015 07:38	1	TAL BUF	CSW

Lab ID: 480-91550-5 **Client ID: SS20-3**

Sample Date/Time: 11/20/2015 11:10 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91550-A-5-B		480-276545	480-276503	11/23/2015 12:01	1	TAL BUF	CAM
A:8082A	480-91550-A-5-B		480-276545	480-276503	11/23/2015 20:01	1	TAL BUF	JMO
A:Moisture	480-91550-A-5		480-276276		11/21/2015 07:38	1	TAL BUF	CSW

Lab ID: 480-91550-6 **Client ID: SS20-6**

Sample Date/Time: 11/20/2015 10:45 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-91550-A-6-B		480-276545	480-276503	11/23/2015 12:01	1	TAL BUF	CAM
A:8082A	480-91550-A-6-B		480-276545	480-276503	11/23/2015 20:31	1	TAL BUF	JMO
A:Moisture	480-91550-A-6		480-276276		11/21/2015 07:38	1	TAL BUF	CSW

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 480-276503/1-A		480-276545	480-276503	11/23/2015 12:01	1	TAL BUF	CAM
A:8082A	MB 480-276503/1-A		480-276545	480-276503	11/23/2015 17:03	1	TAL BUF	JMO

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 480-276503/2-A		480-276545	480-276503	11/23/2015 12:01	1	TAL BUF	CAM
A:8082A	LCS 480-276503/2-A		480-276545	480-276503	11/23/2015 17:18	1	TAL BUF	JMO

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-91550-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Matrix: Solid Level: Low

GC Column (2): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX2 #	DCB2 #
SS20-2	480-91550-4	106	87
SS20-3	480-91550-5	104	86
SS20-6	480-91550-6	97	73
	MB 480-276503/1-A	99	103
	LCS 480-276503/2-A	115	117

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-154
DCB = DCB Decachlorobiphenyl	65-174

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_350_063.D

Lab ID: LCS 480-276503/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	2.00	2.44	122	51-185	
PCB-1260	2.00	2.47	123	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: MB 480-276503/1-A

Matrix: Solid Date Extracted: 11/23/2015 12:01

Lab File ID:(1) 12_350_062.D Lab File ID:(2) 12_350_062.D

Date Analyzed:(1) 11/23/2015 17:03 Date Analyzed:(2) 11/23/2015 17:03

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-5 ID: 0.25(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-276503/2-A	11/23/2015 17:18	11/23/2015 17:18
SS20-3	480-91550-5	11/23/2015 20:01	11/23/2015 20:01
SS20-2	480-91550-4	11/23/2015 20:16	11/23/2015 20:16
SS20-6	480-91550-6	11/23/2015 20:31	11/23/2015 20:31

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Client Sample ID: SS20-2 Lab Sample ID: 480-91550-4

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/23/2015 20:16 Date Analyzed (2): 11/23/2015 20:16

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	2	3.60	3.58	3.64	0.118	0.18	52.6
		3	3.68	3.65	3.71	0.255		
		4	3.88	3.85	3.91	0.262		
	2	1	3.01	2.98	3.04	0.138	0.31	
		2	3.38	3.35	3.41	0.220		
		3	3.51	3.48	3.54	0.266		
		4	3.92	3.90	3.96	0.609		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Client Sample ID: SS20-3 Lab Sample ID: 480-91550-5

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/23/2015 20:01 Date Analyzed (2): 11/23/2015 20:01

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	3	3.68	3.65	3.71	0.207	0.12	26.1
		4	3.87	3.85	3.91	0.142		
	2	2	3.37	3.35	3.41	0.132	0.16	
		3	3.51	3.48	3.54	0.114		
		4	3.92	3.90	3.96	0.300		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Client Sample ID: SS20-6 Lab Sample ID: 480-91550-6

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/23/2015 20:31 Date Analyzed (2): 11/23/2015 20:31

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.22	3.19	3.25	0.110	0.15	24.3
		3	3.68	3.65	3.71	0.225		
		4	3.87	3.85	3.91	0.153		
	2	1	3.00	2.98	3.04	0.122	0.19	
		2	3.38	3.35	3.41	0.154		
		3	3.52	3.48	3.54	0.129		
		4	3.92	3.90	3.96	0.335		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-276503/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/23/2015 17:18 Date Analyzed (2): 11/23/2015 17:18

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.13	2.10	2.16	2.25	2.24	8.3
		2	2.27	2.24	2.30	2.36		
		3	2.46	2.43	2.49	2.18		
		4	2.54	2.51	2.57	2.19		
	2	1	1.87	1.84	1.90	2.41	2.44	
		2	2.15	2.12	2.18	2.47		
		3	2.26	2.23	2.29	2.36		
		4	2.62	2.59	2.65	2.51		
PCB-1260	1	1	4.06	4.02	4.08	2.46	2.30	7.3
		2	4.27	4.24	4.30	2.72		
		3	4.40	4.37	4.43	2.05		
		4	4.79	4.76	4.82	1.96		
	2	1	3.92	3.89	3.95	3.03	2.47	
		2	4.23	4.20	4.26	2.25		
		3	4.37	4.34	4.40	2.35		
		4	4.69	4.65	4.71	2.25		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-1

SDG No.:

Client Sample ID: SS20-2 | Lab Sample ID: 480-91550-4

Matrix: Solid | Lab File ID: 12_350_075.D

Analysis Method: 8082A | Date Collected: 11/20/2015 10:20

Extraction Method: 3550C | Date Extracted: 11/23/2015 12:01

Sample wt/vol: +2.29(g) | Date Analyzed: 11/23/2015 20:16

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 3.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 276545 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.044
11104-28-2	PCB-1221	ND		0.23	0.044
11141-16-5	PCB-1232	ND		0.23	0.044
53469-21-9	PCB-1242	ND		0.23	0.044
12672-29-6	PCB-1248	ND		0.23	0.044
11097-69-1	PCB-1254	0.31		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	106		60-154
2051-24-3	DCB Decachlorobiphenyl	87		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_075.D
Lims ID: 480-91550-A-4-B Lab Sample ID: 480-91550-4
Client ID: SS20-2
Sample Type: Client
Inject. Date: 23-Nov-2015 20:16:16 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:11:54 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:11:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.584	1.586	-0.002	54536	0.0194	
2	1.224	1.225	-0.001	31798	0.0212	
					RPD = 8.45	
8 PCB-1254						M
1	3.219	3.217	0.002	3990	0.0186	
1	3.601	3.605	-0.004	4266	0.0261	
1	3.680	3.682	-0.002	11846	0.0561	
1	3.875	3.879	-0.004	12659	0.0576	
		Average of Peak Amounts =			0.0396	
2	3.007	3.006	0.001	4058	0.0304	
2	3.375	3.377	-0.002	9355	0.0484	
2	3.514	3.511	0.003	10923	0.0586	
2	3.923	3.928	-0.005	19218	0.1342	M
		Average of Peak Amounts =			0.0679	
					RPD = 52.62	
$ 12 DCB Decachlorobiphenyl						
1	6.069	6.075	-0.006	55418	0.0160	
2	5.556	5.559	-0.003	46096	0.0174	
					RPD = 8.86	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

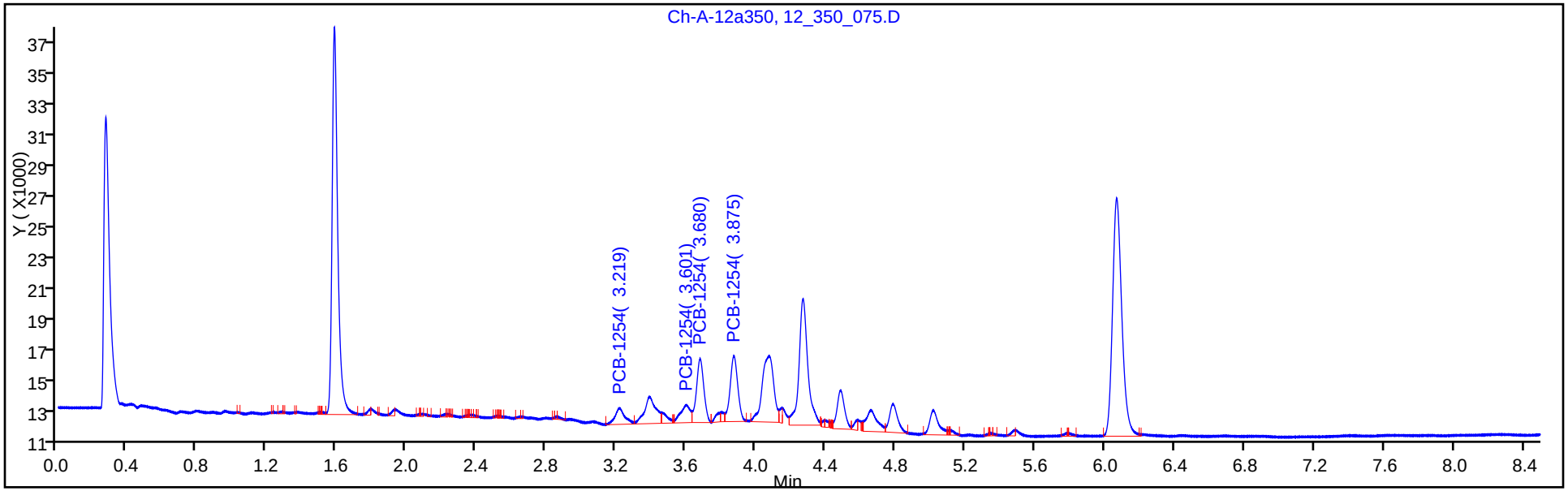
Report Date: 24-Nov-2015 09:11:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

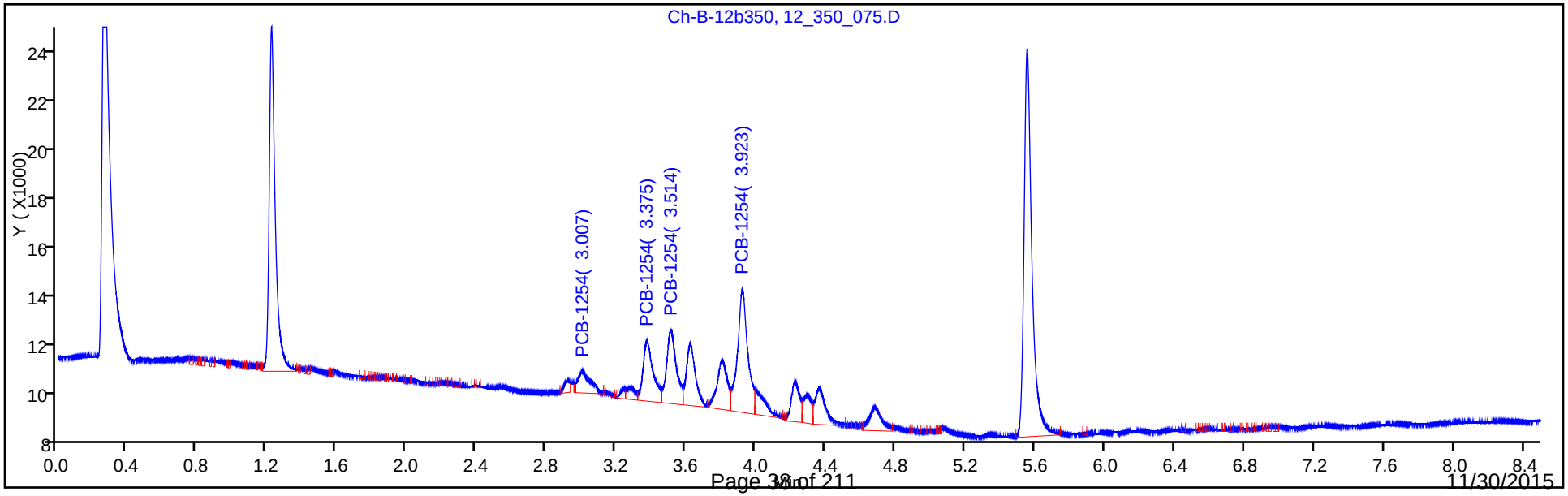
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_075.D

Injection Date:	23-Nov-2015 20:16:16	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91550-A-4-B	Lab Sample ID:	480-91550-4	Worklist Smp#:	17
Client ID:	SS20-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 24-Nov-2015 09:11:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

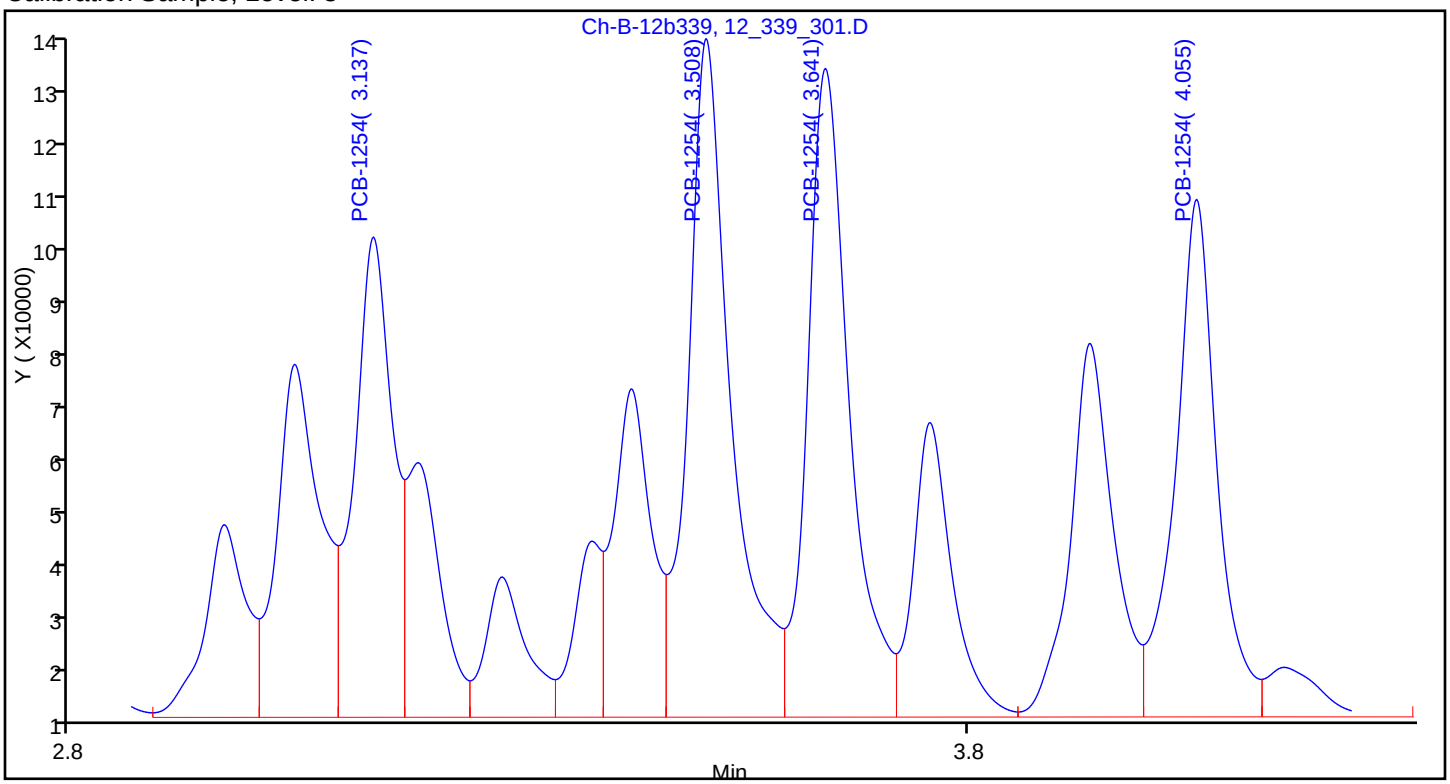
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_075.D

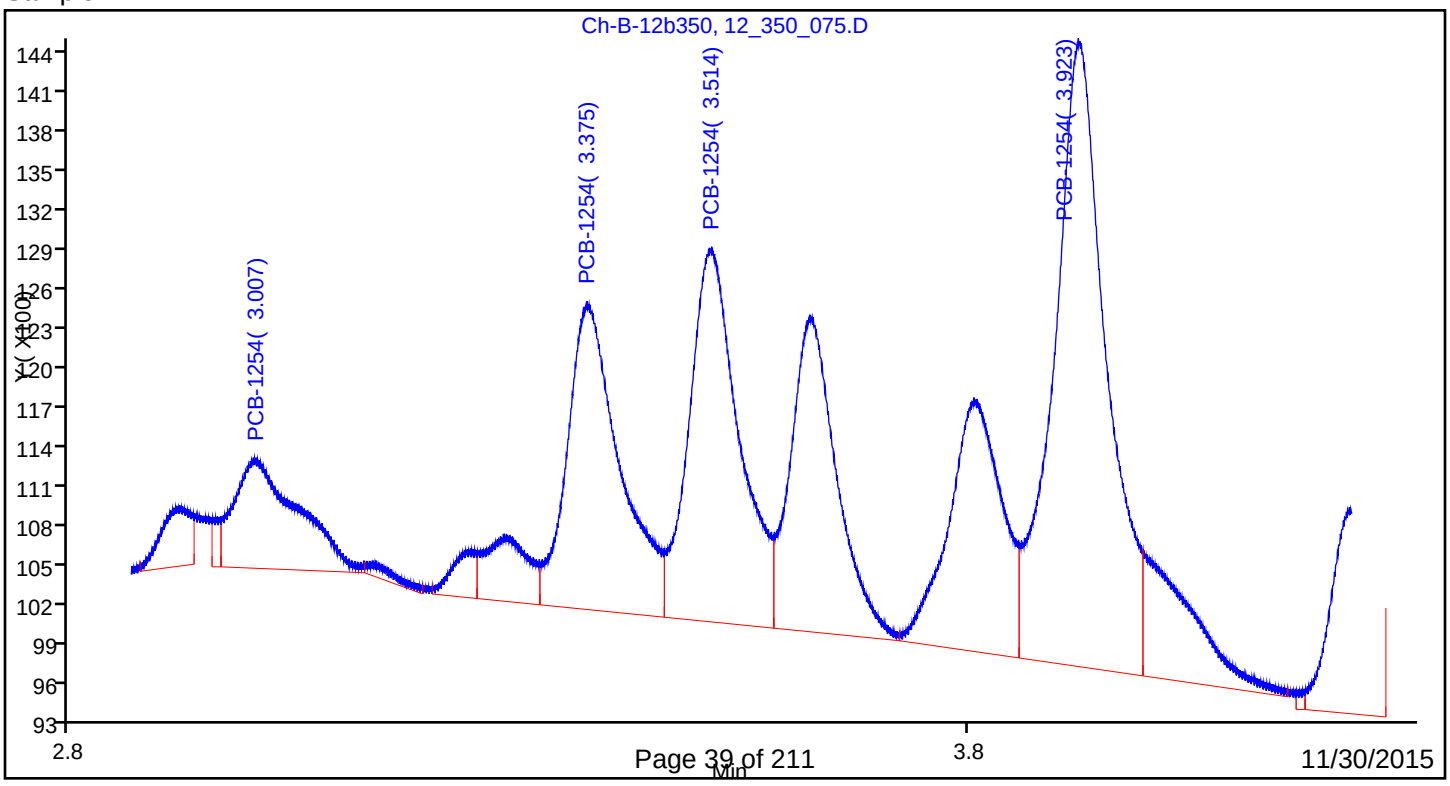
Injection Date:	23-Nov-2015 20:16:16	Instrument ID:	HP5890-12		
Lims ID:	480-91550-A-4-B	Lab Sample ID:	480-91550-4		
Client ID:	SS20-2				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



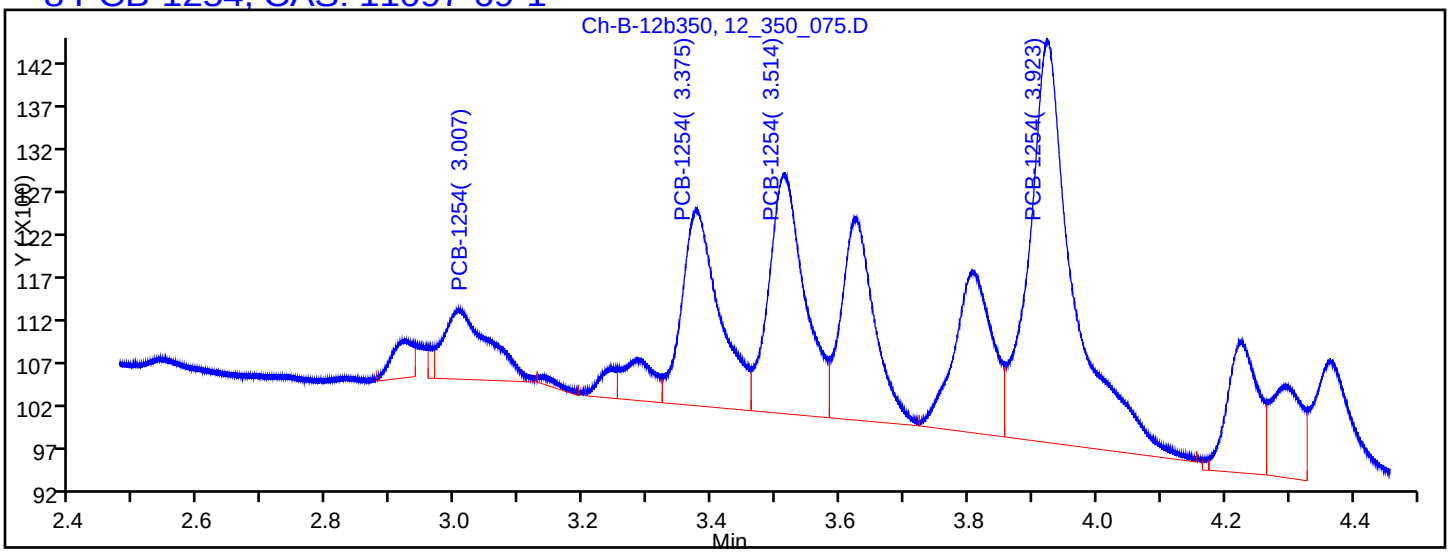
Report Date: 24-Nov-2015 09:11:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_075.D

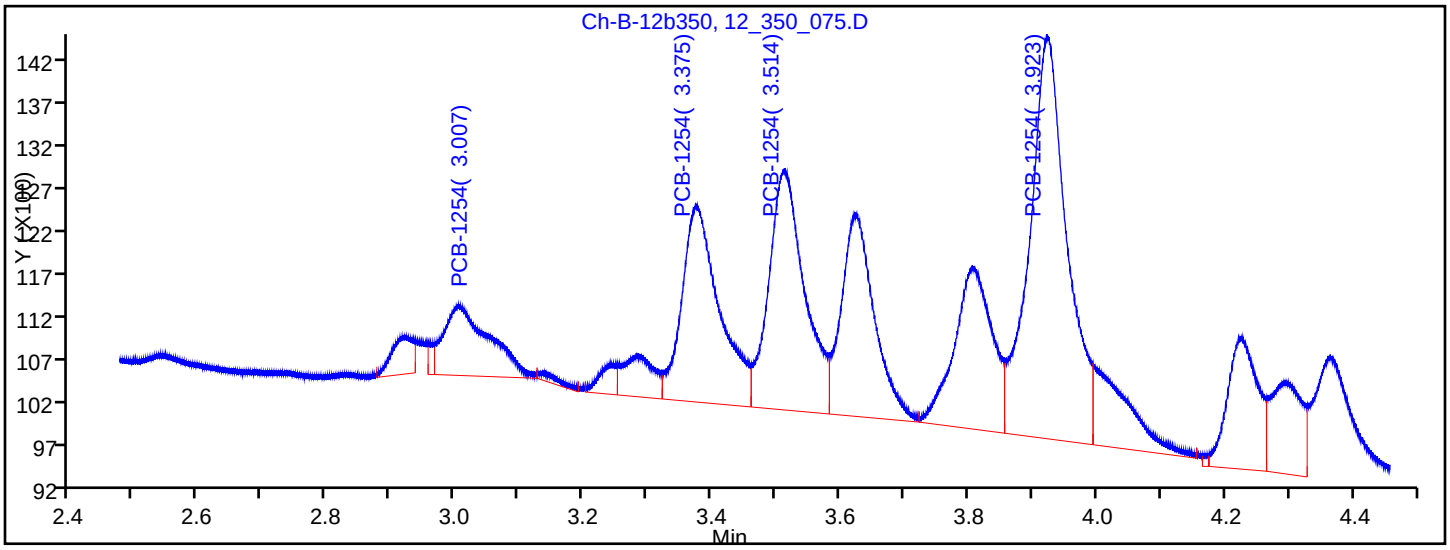
Injection Date:	23-Nov-2015 20:16:16	Instrument ID:	HP5890-12		
Lims ID:	480-91550-A-4-B	Lab Sample ID:	480-91550-4		
Client ID:	SS20-2				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.007 Response = 4058
RT = 3.375 Response = 9355
RT = 3.514 Response = 10923
RT = 3.923 Response = 22778 M



Manual Integration Results

RT = 3.007 Response = 4058
RT = 3.375 Response = 9355
RT = 3.514 Response = 10923
RT = 3.923 Response = 19218 M

Reviewer: owenj, 24-Nov-2015 09:11:54
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-1

SDG No.:

Client Sample ID: SS20-3 | Lab Sample ID: 480-91550-5

Matrix: Solid | Lab File ID: 12_350_074.D

Analysis Method: 8082A | Date Collected: 11/20/2015 11:10

Extraction Method: 3550C | Date Extracted: 11/23/2015 12:01

Sample wt/vol: +2.62(g) | Date Analyzed: 11/23/2015 20:01

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 5.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 276545 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.20	0.039
11104-28-2	PCB-1221	ND		0.20	0.039
11141-16-5	PCB-1232	ND		0.20	0.039
53469-21-9	PCB-1242	ND		0.20	0.039
12672-29-6	PCB-1248	ND		0.20	0.039
11097-69-1	PCB-1254	0.16	J	0.20	0.095
11096-82-5	PCB-1260	ND		0.20	0.095

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		60-154
2051-24-3	DCB Decachlorobiphenyl	86		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_074.D
Lims ID: 480-91550-A-5-B Lab Sample ID: 480-91550-5
Client ID: SS20-3
Sample Type: Client
Inject. Date: 23-Nov-2015 20:01:30 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:10:13 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:10:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.583	1.586	-0.003	54231	0.0193	
2	1.222	1.225	-0.003	31316	0.0208	
					RPD = 7.49	
8 PCB-1254						
1	3.217	3.217	0.000	3687	0.0172	
1	3.598	3.605	-0.007	2576	0.0157	
1	3.678	3.682	-0.004	10848	0.0514	
1	3.868	3.879	-0.011	7729	0.0352	
		Average of Peak Amounts =			0.0299	
2	3.001	3.006	-0.005	2692	0.0201	
2	3.373	3.377	-0.004	6327	0.0327	
2	3.513	3.511	0.002	5277	0.0283	
2	3.921	3.928	-0.007	10620	0.0742	
		Average of Peak Amounts =			0.0388	
					RPD = 26.06	
$ 12 DCB Decachlorobiphenyl						
1	6.067	6.075	-0.008	54797	0.0158	
2	5.555	5.559	-0.004	45264	0.0171	
					RPD = 8.17	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

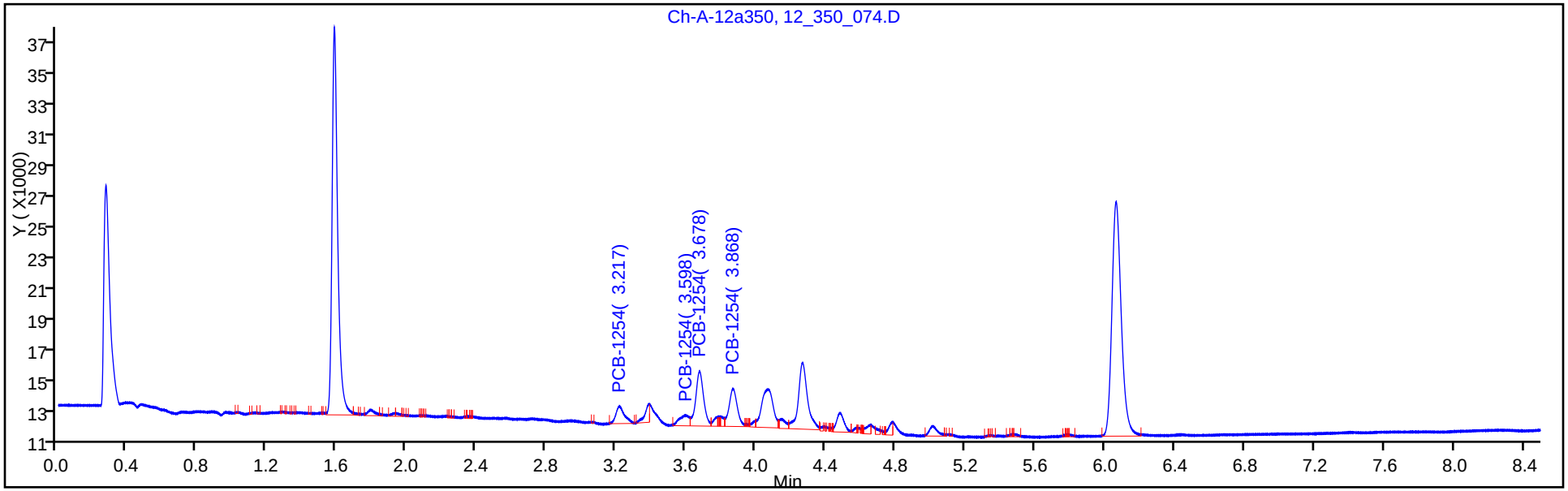
Report Date: 24-Nov-2015 09:10:14 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

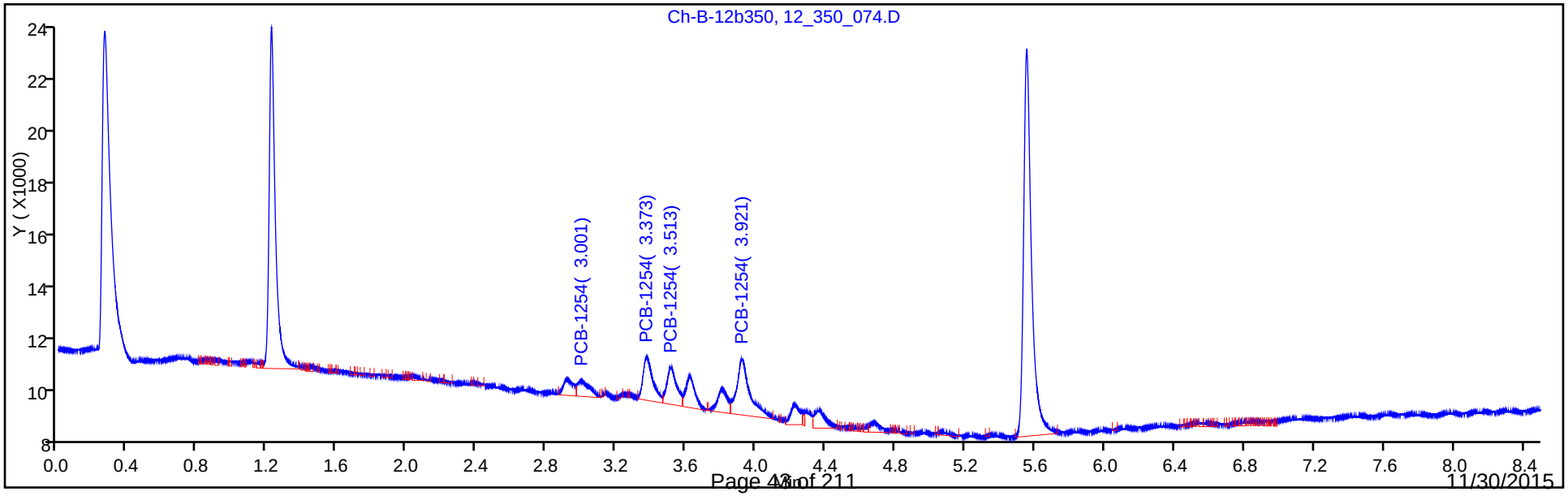
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_074.D

Injection Date:	23-Nov-2015 20:01:30	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91550-A-5-B	Lab Sample ID:	480-91550-5	Worklist Smp#:	16
Client ID:	SS20-3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 24-Nov-2015 09:10:14 Chrom Revision: 2.2 08-Oct-2015 07:17:48

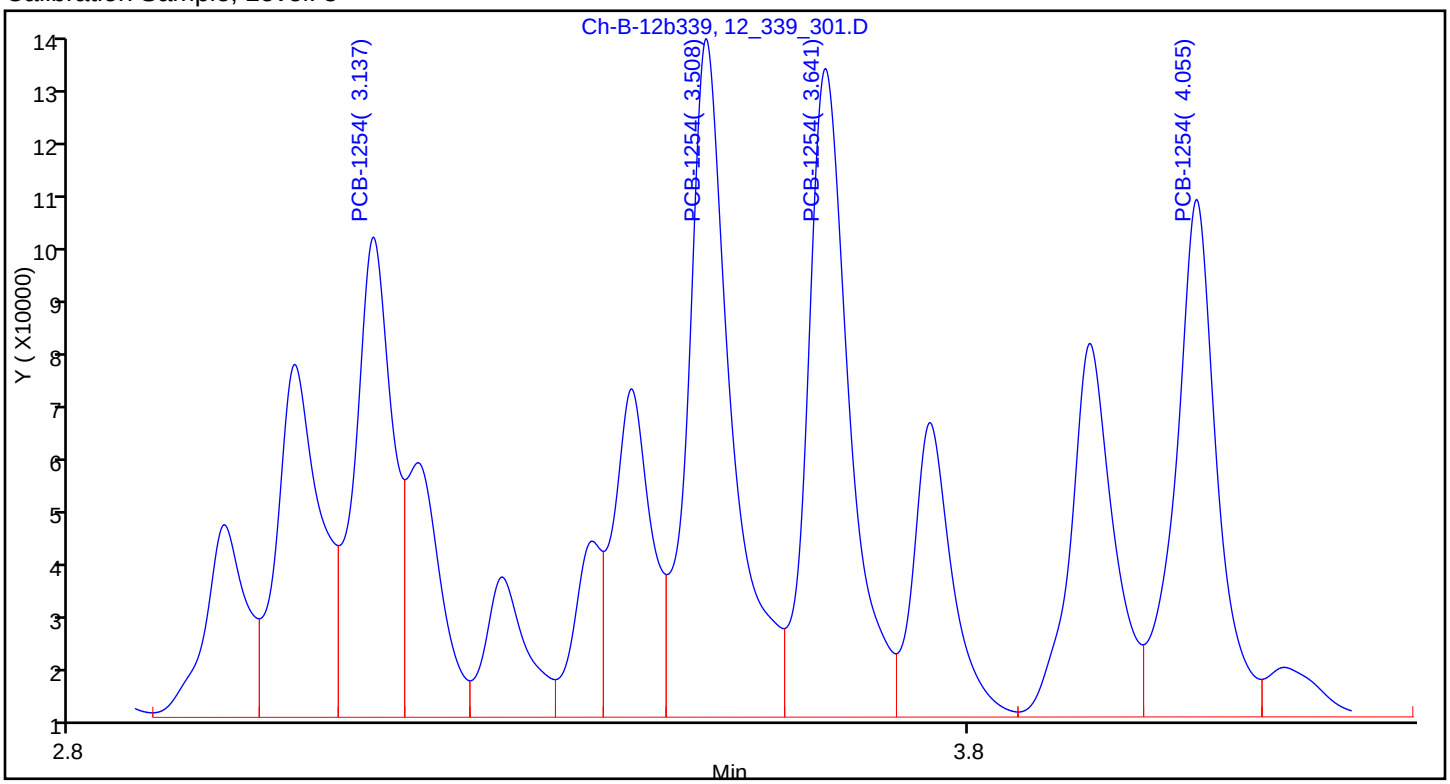
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_074.D

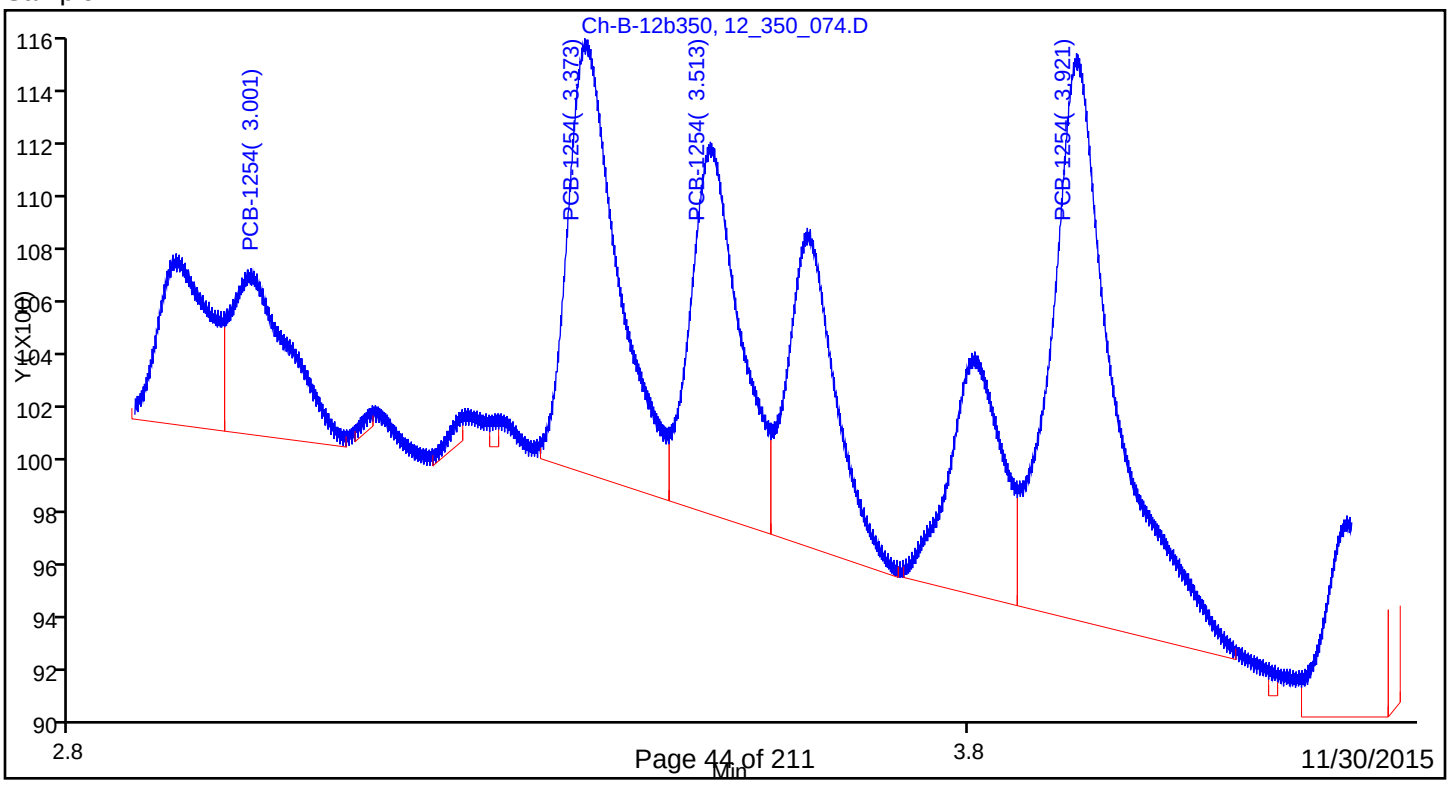
Injection Date:	23-Nov-2015 20:01:30	Instrument ID:	HP5890-12		
Lims ID:	480-91550-A-5-B	Lab Sample ID:	480-91550-5		
Client ID:	SS20-3				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-1

SDG No.:

Client Sample ID: SS20-6 | Lab Sample ID: 480-91550-6

Matrix: Solid | Lab File ID: 12_350_076.D

Analysis Method: 8082A | Date Collected: 11/20/2015 10:45

Extraction Method: 3550C | Date Extracted: 11/23/2015 12:01

Sample wt/vol: +2.43(g) | Date Analyzed: 11/23/2015 20:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 276545 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.24	0.047
11104-28-2	PCB-1221	ND		0.24	0.047
11141-16-5	PCB-1232	ND		0.24	0.047
53469-21-9	PCB-1242	ND		0.24	0.047
12672-29-6	PCB-1248	ND		0.24	0.047
11097-69-1	PCB-1254	0.19	J	0.24	0.11
11096-82-5	PCB-1260	ND		0.24	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		60-154
2051-24-3	DCB Decachlorobiphenyl	73		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_076.D
Lims ID: 480-91550-A-6-B Lab Sample ID: 480-91550-6
Client ID: SS20-6
Sample Type: Client
Inject. Date: 23-Nov-2015 20:31:03 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:12:59 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:12:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	1.585	1.586	-0.001	50109	0.0179	
2	1.224	1.225	-0.001	29041	0.0193	
					RPD = 7.85	
8 PCB-1254						
1	3.219	3.217	0.002	4921	0.0230	
1	3.600	3.605	-0.005	3177	0.0194	
1	3.680	3.682	-0.002	9885	0.0468	
1	3.871	3.879	-0.008	7002	0.0319	
		Average of Peak Amounts =			0.0303	
2	3.003	3.006	-0.003	3410	0.0255	
2	3.376	3.377	-0.001	6227	0.0322	
2	3.516	3.511	0.005	5019	0.0269	
2	3.924	3.928	-0.004	10010	0.0699	
		Average of Peak Amounts =			0.0386	
					RPD = 24.28	
$ 12 DCB Decachlorobiphenyl						
1	6.069	6.075	-0.006	45538	0.0131	
2	5.556	5.559	-0.003	38478	0.0146	
					RPD = 10.43	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

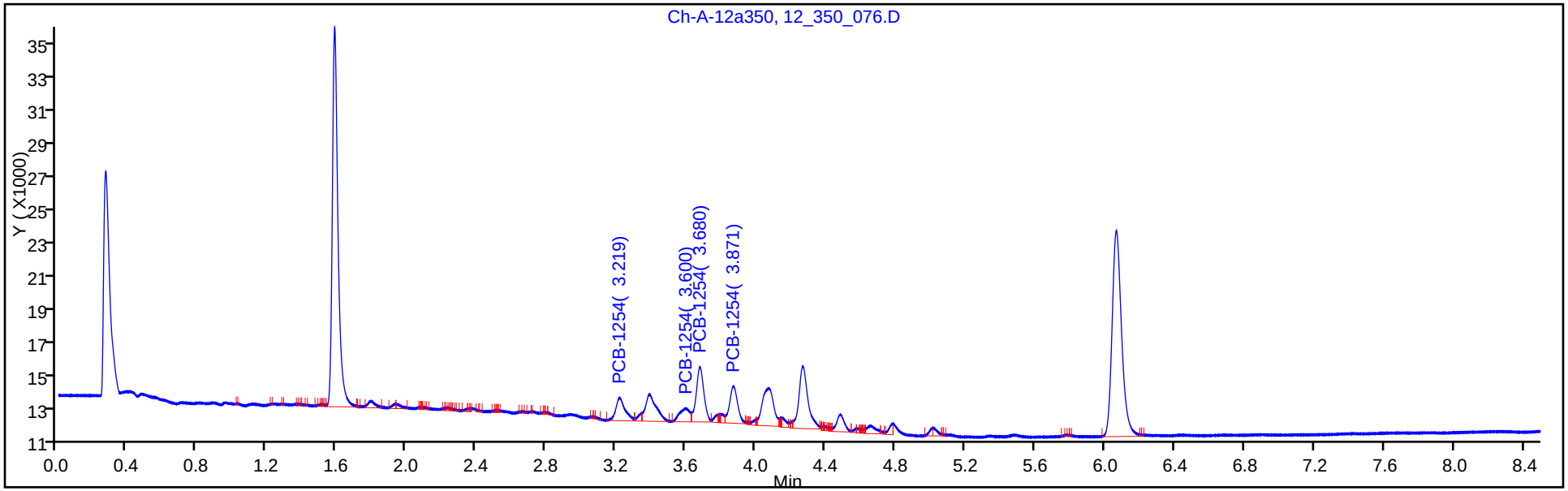
Report Date: 24-Nov-2015 09:13:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

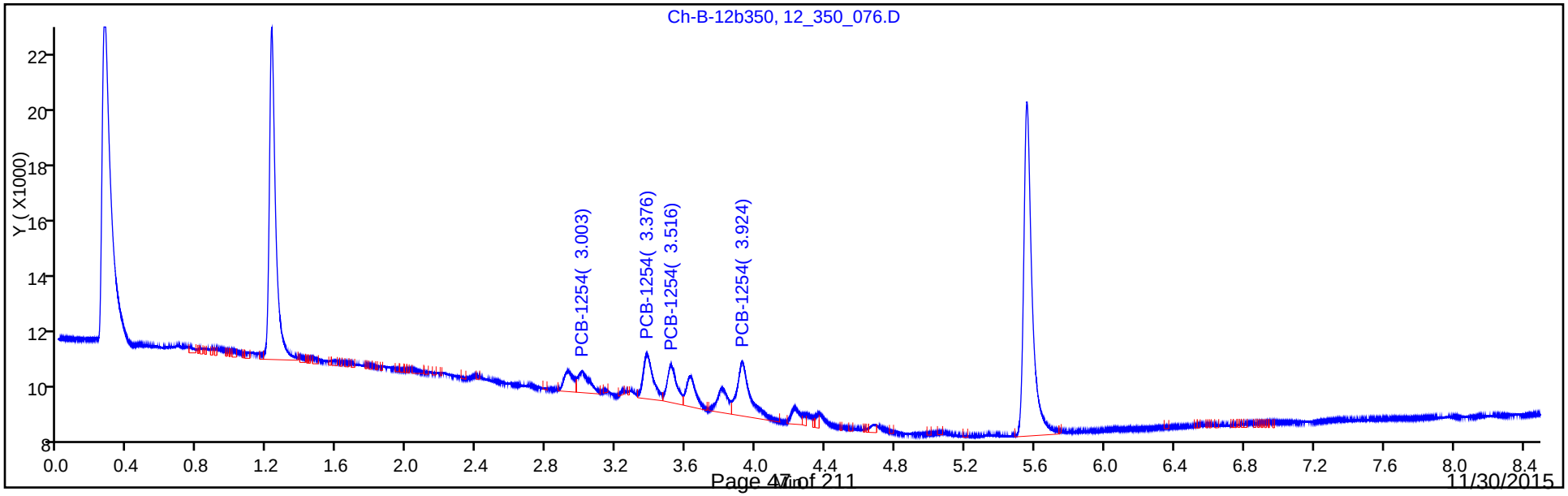
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_076.D

Injection Date:	23-Nov-2015 20:31:03	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-91550-A-6-B	Lab Sample ID:	480-91550-6	Worklist Smp#:	18
Client ID:	SS20-6				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 24-Nov-2015 09:13:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

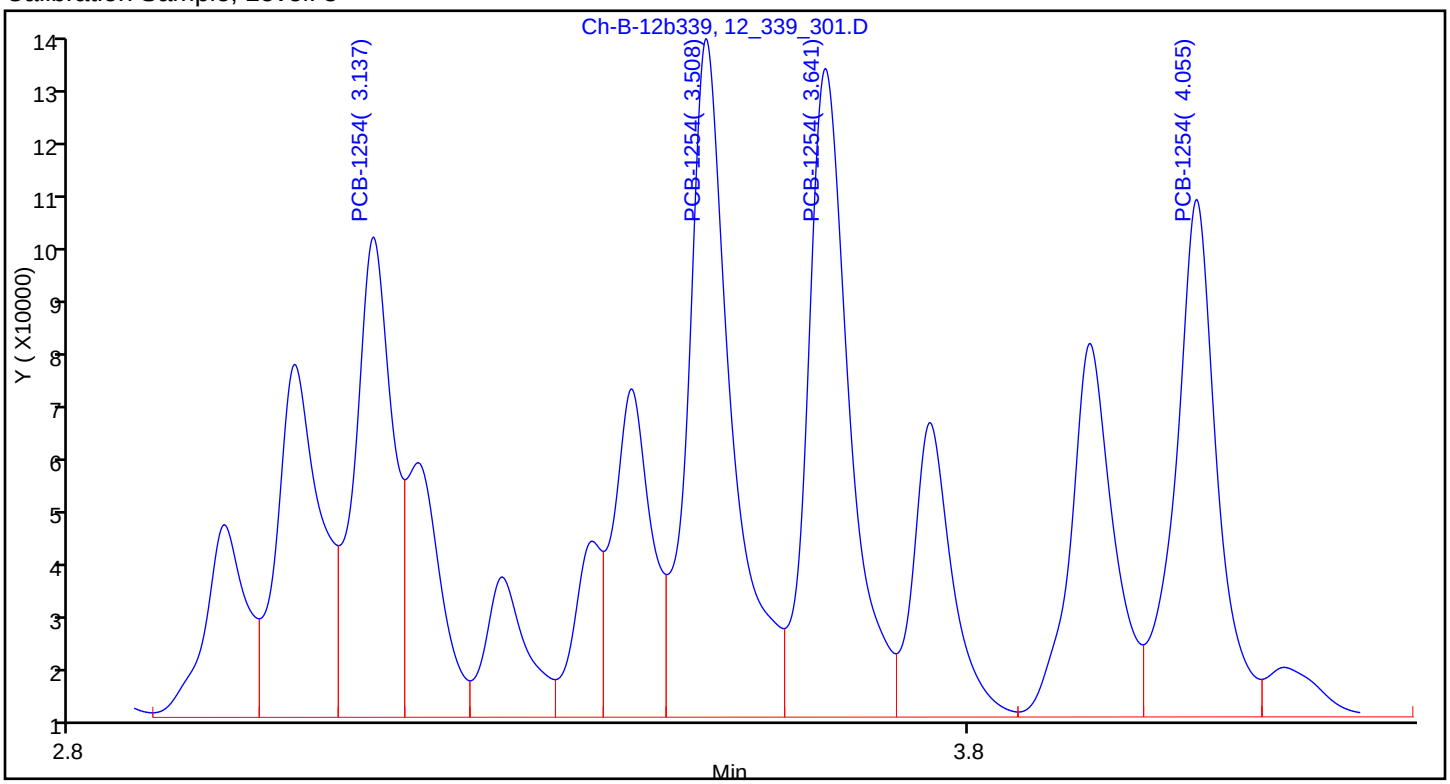
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_076.D

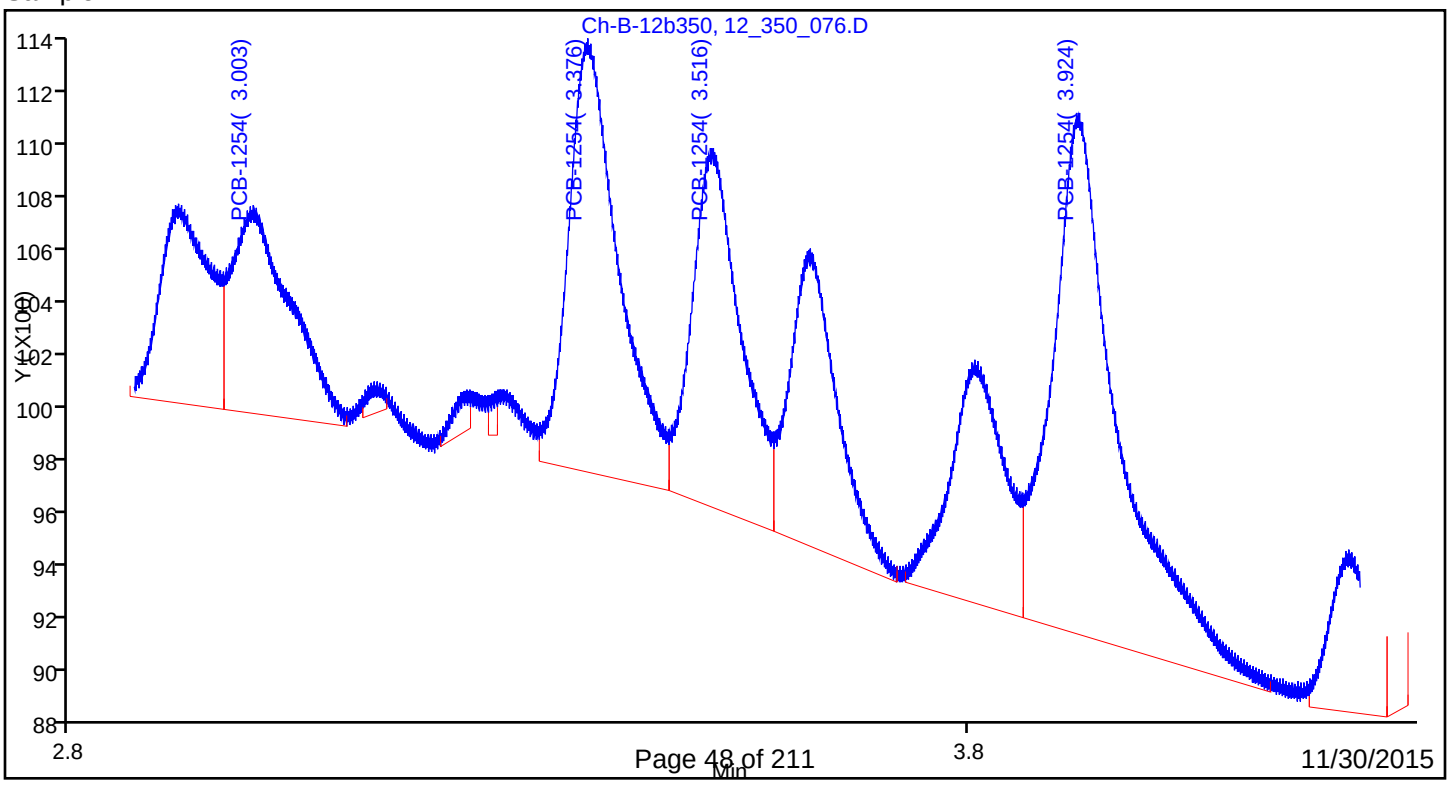
Injection Date:	23-Nov-2015 20:31:03	Instrument ID:	HP5890-12		
Lims ID:	480-91550-A-6-B	Lab Sample ID:	480-91550-6		
Client ID:	SS20-6				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.251	2.249	2.251	2.255	2.251	2.249	2.245				2.221 - 2.281	2.250
PCB-1016 Peak 2	2.391	2.389	2.389	2.391	2.391	2.387	2.385				2.359 - 2.419	2.389
PCB-1016 Peak 3	2.589	2.586	2.587	2.589	2.588	2.585	2.582				2.557 - 2.617	2.587
PCB-1016 Peak 4	2.684	2.671	2.671	2.671	2.671	2.668	2.665				2.641 - 2.701	2.672
PCB-1260 Peak 1	4.193	4.190	4.191	4.189	4.189	4.187	4.189				4.161 - 4.221	4.190
PCB-1260 Peak 2	4.410	4.407	4.408	4.407	4.407	4.405	4.407				4.378 - 4.438	4.407
PCB-1260 Peak 3	4.539	4.535	4.538	4.535	4.535	4.533	4.535				4.508 - 4.568	4.536
PCB-1260 Peak 4	4.920	4.917	4.918	4.916	4.916	4.915	4.916				4.888 - 4.948	4.917
Tetrachloro-m-xylene	1.692	1.689	1.687	1.688	1.689	1.687	1.685				1.657 - 1.717	1.688
DCB Decachlorobiphenyl	6.233	6.231	6.235	6.232	6.231	6.232	6.232				6.205 - 6.265	6.232

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	182100 140444	150880 123446	147820 111667	142775	Ave		142733.071				15.6		20.0			
PCB-1016 Peak 2	115000 75830	87000 73031	80670 70379	80135	Ave		83149.2857				18.1		20.0			
PCB-1016 Peak 3	290150 225892	251300 217812	239090 211383	235370	Ave		238713.857				11.0		20.0			
PCB-1016 Peak 4	110850 93282	127820 89290	115520 85644	101305	Ave		103387.286				14.9		20.0			
PCB-1260 Peak 1	296050 241658	272340 237940	263620 224543	263760	Ave		257130.071				9.4		20.0			
PCB-1260 Peak 2	210850 218512	232240 217627	228450 210935	229315	Ave		221132.714				4.0		20.0			
PCB-1260 Peak 3	246300 211768	235480 207002	230560 198632	225200	Ave		222134.500				7.6		20.0			
PCB-1260 Peak 4	298500 301252	310600 294371	305900 285397	314060	Ave		301440.000				3.3		20.0			
Tetrachloro-m-xylene	3040000 2740400	2840000 2700280	2847200 2761860	2709400	Ave		2805591.43				4.2		20.0			
DCB Decachlorobiphenyl	4290000 3181600	4123200 3018000	3396800 2942340	3349600	Ave		3471648.57				15.3		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24327

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	3642 123446	7544 223333	14782	28555	70222	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	2300 73031	4350 140758	8067	16027	37915	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	5803 217812	12565 422766	23909	47074	112946	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	2217 89290	6391 171288	11552	20261	46641	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	5921 237940	13617 449085	26362	52752	120829	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	4217 217627	11612 421870	22845	45863	109256	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	4926 207002	11774 397263	23056	45040	105884	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	5970 294371	15530 570794	30590	62812	150626	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	1520 67507	3550 138093	7118	13547	34255	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	2145 75450	5154 147117	8492	16748	39770	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Aug-2015 13:14:05 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:44 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:04:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.685	1.687	-0.002	138093	0.0500	0.0492	
2	1.308	1.310	-0.002	87730	0.0500	0.0584	
						RPD = 17.00	
6 PCB-1016							
1	2.245	2.251	-0.006	223333	2.00	1.56	a
1	2.385	2.389	-0.004	140758	2.00	1.69	
1	2.582	2.587	-0.005	422766	2.00	1.77	
1	2.665	2.671	-0.006	171288	2.00	1.66	
		Average of Peak Amounts =				1.67	
2	1.967	1.975	-0.008	218067	2.00	1.83	a
2	2.259	2.265	-0.006	343305	2.00	2.28	
2	2.372	2.375	-0.003	141962	2.00	2.03	
2	2.735	2.743	-0.008	168791	2.00	2.31	
		Average of Peak Amounts =				2.11	
						RPD = 23.30	
9 PCB-1260							
1	4.189	4.191	-0.002	449085	2.00	1.75	
1	4.407	4.408	-0.001	421870	2.00	1.91	
1	4.535	4.538	-0.003	397263	2.00	1.79	
1	4.916	4.918	-0.002	570794	2.00	1.89	a
		Average of Peak Amounts =				1.83	
2	4.056	4.055	0.001	349533	2.00	2.22	a
2	4.358	4.361	-0.003	187209	2.00	2.02	a
2	4.495	4.497	-0.002	460761	2.00	2.15	a
2	4.810	4.814	-0.004	410659	2.00	2.24	a
		Average of Peak Amounts =				2.16	
						RPD = 16.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	147117	0.0500	0.0424	
2	5.683	5.687	-0.004	117584	0.0500	0.0445	
						RPD =	4.88

Reagents:

1660sur/is2.0_00002 Amount Added: 1.00 Units: mL

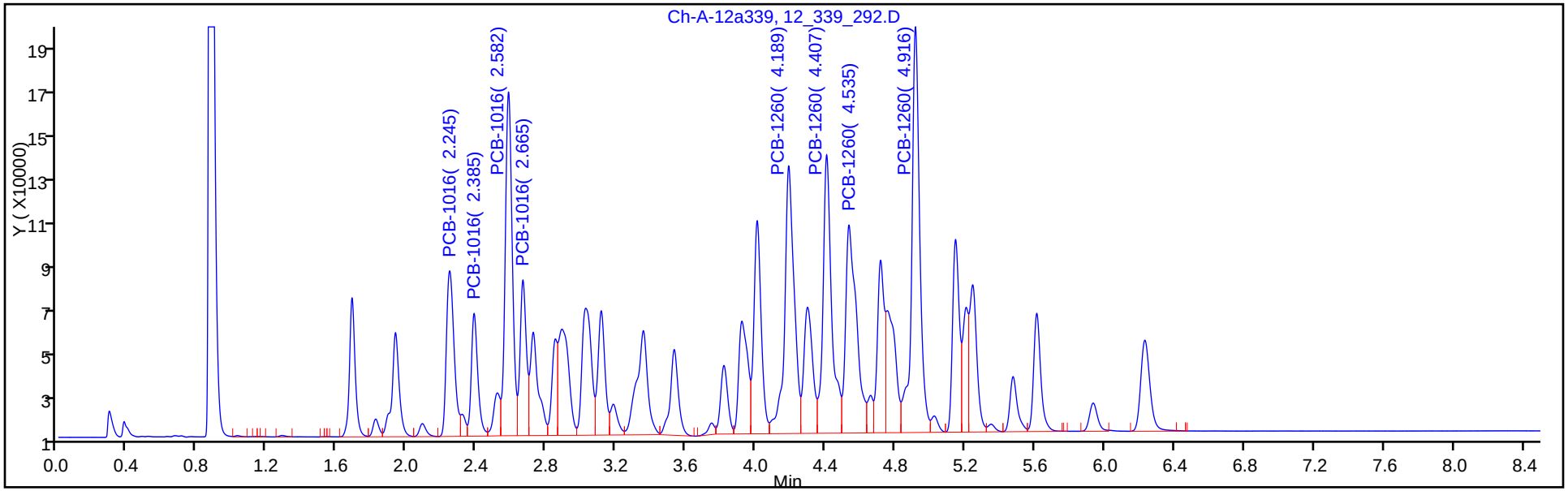
Report Date: 04-Aug-2015 09:07:45 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

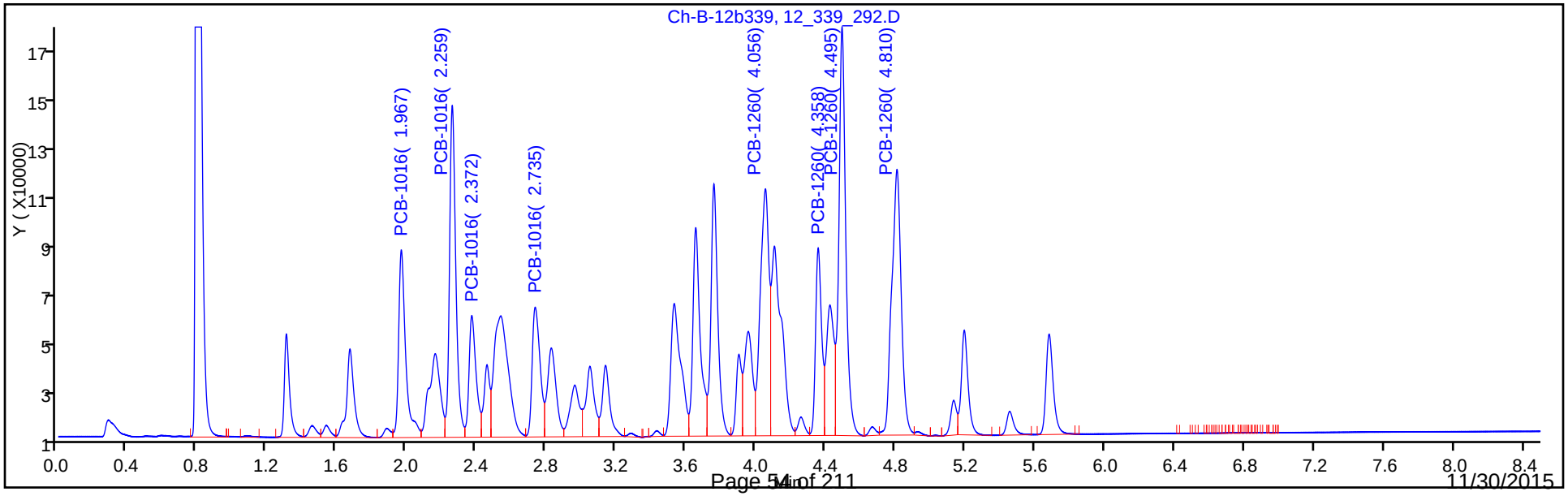
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D

Injection Date:	01-Aug-2015 13:14:05	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 01-Aug-2015 13:29:01 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:46 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:06:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.687	1.687	0.000	67507	0.0250	0.0241	M
2	1.311	1.310	0.001	37034	0.0250	0.0246	
						RPD = 2.36	
6 PCB-1016							M
1	2.249	2.251	-0.002	123446	1.00	0.8649	M
1	2.387	2.389	-0.002	73031	1.00	0.8783	M
1	2.585	2.587	-0.002	217812	1.00	0.9124	M
1	2.668	2.671	-0.003	89290	1.00	0.8636	M
		Average of Peak Amounts =				0.8798	
2	1.971	1.975	-0.004	112700	1.00	0.9435	
2	2.263	2.265	-0.002	162627	1.00	1.08	
2	2.375	2.375	0.000	69030	1.00	0.9883	
2	2.739	2.743	-0.004	80910	1.00	1.10	
		Average of Peak Amounts =				1.03	
						RPD = 15.71	
9 PCB-1260							M
1	4.187	4.191	-0.004	237940	1.00	0.9254	M
1	4.405	4.408	-0.003	217627	1.00	0.9841	M
1	4.533	4.538	-0.005	207002	1.00	0.9319	M
1	4.915	4.918	-0.003	294371	1.00	0.9765	M
		Average of Peak Amounts =				0.9545	
2	4.053	4.055	-0.002	168339	1.00	1.07	
2	4.357	4.361	-0.004	91614	1.00	0.9872	
2	4.493	4.497	-0.004	226538	1.00	1.06	
2	4.810	4.814	-0.004	197760	1.00	1.08	
		Average of Peak Amounts =				1.05	
						RPD = 9.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	75450	0.0250	0.0217	
2	5.683	5.687	-0.004	59247	0.0250	0.0224	
						RPD = 3.11	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00003 Amount Added: 1.00 Units: mL

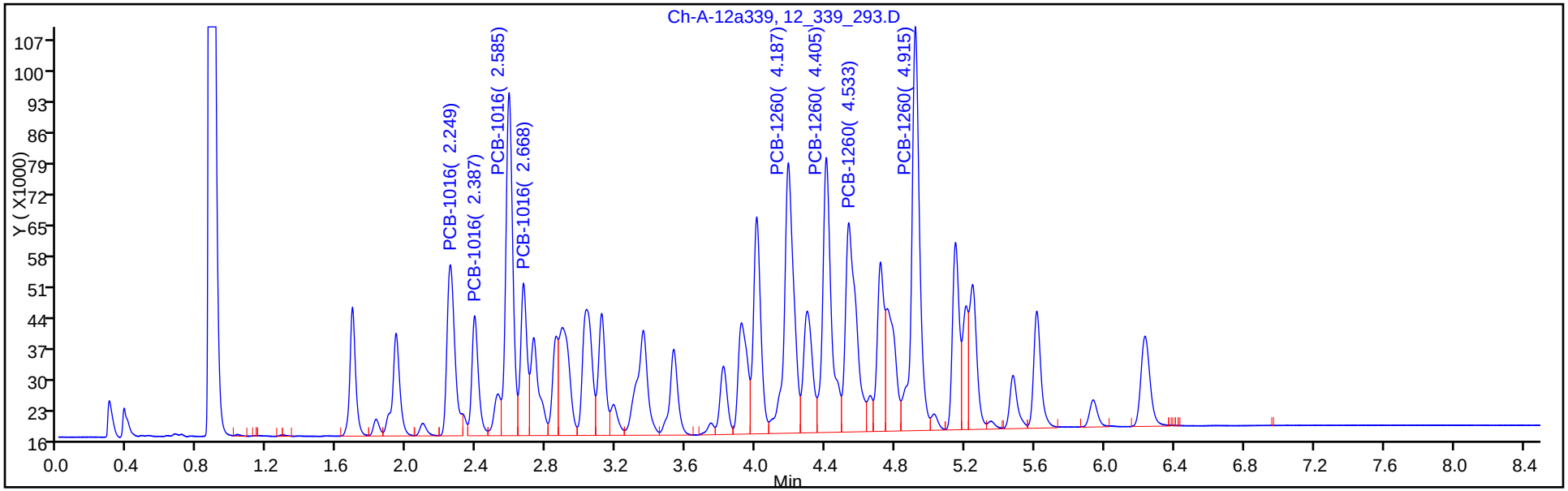
Report Date: 04-Aug-2015 09:07:47 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

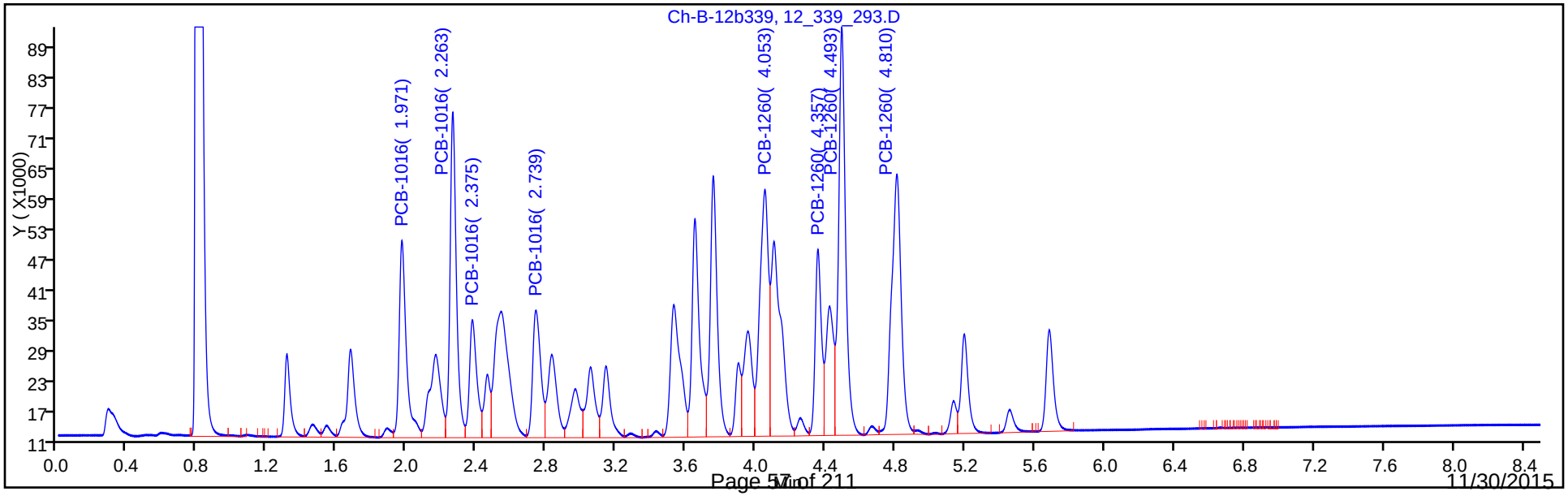
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date:	01-Aug-2015 13:29:01	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



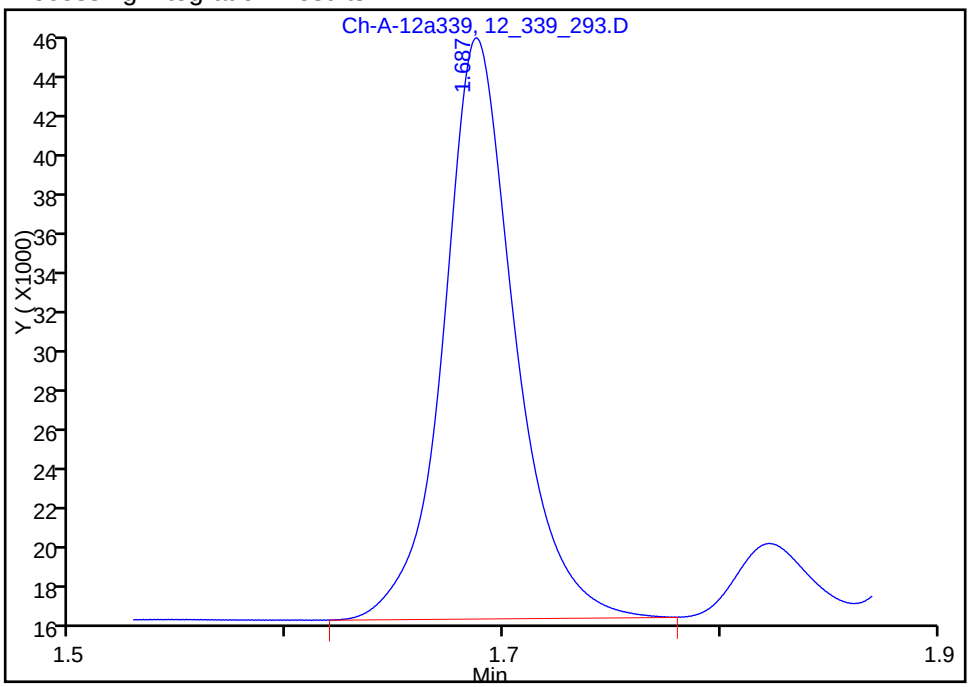
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D
Injection Date: 01-Aug-2015 13:29:01 Instrument ID: HP5890-12
Lims ID: IC 6
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

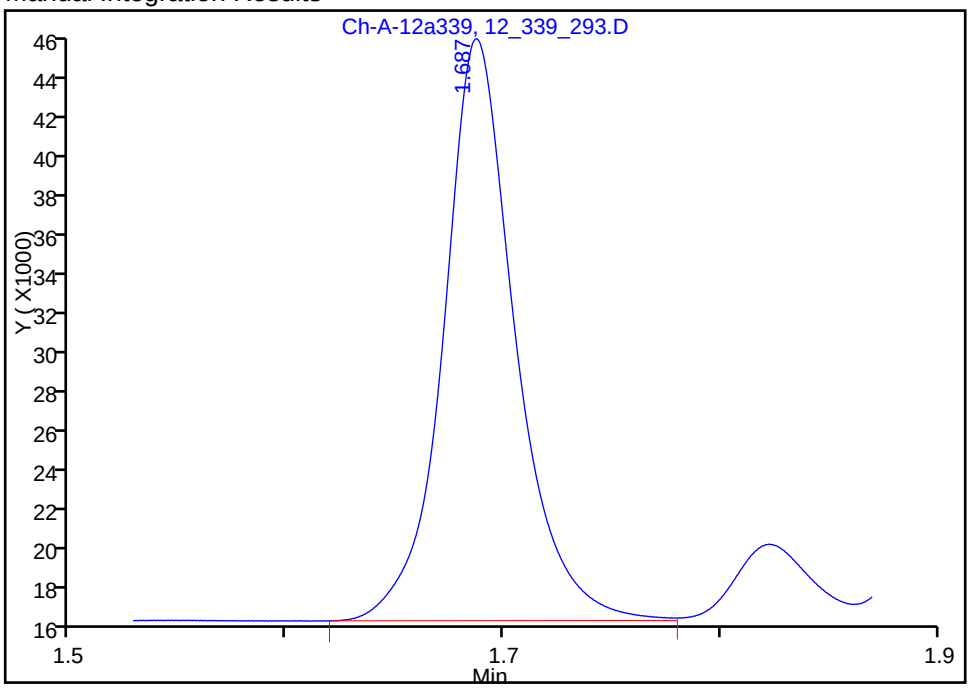
Processing Integration Results

RT: 1.69
Area: 67030
Amount: 0.023872
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 67507
Amount: 0.024062
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:06:18
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:47 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date: 01-Aug-2015 13:29:01 Instrument ID: HP5890-12

Lims ID: IC 6

Client ID:

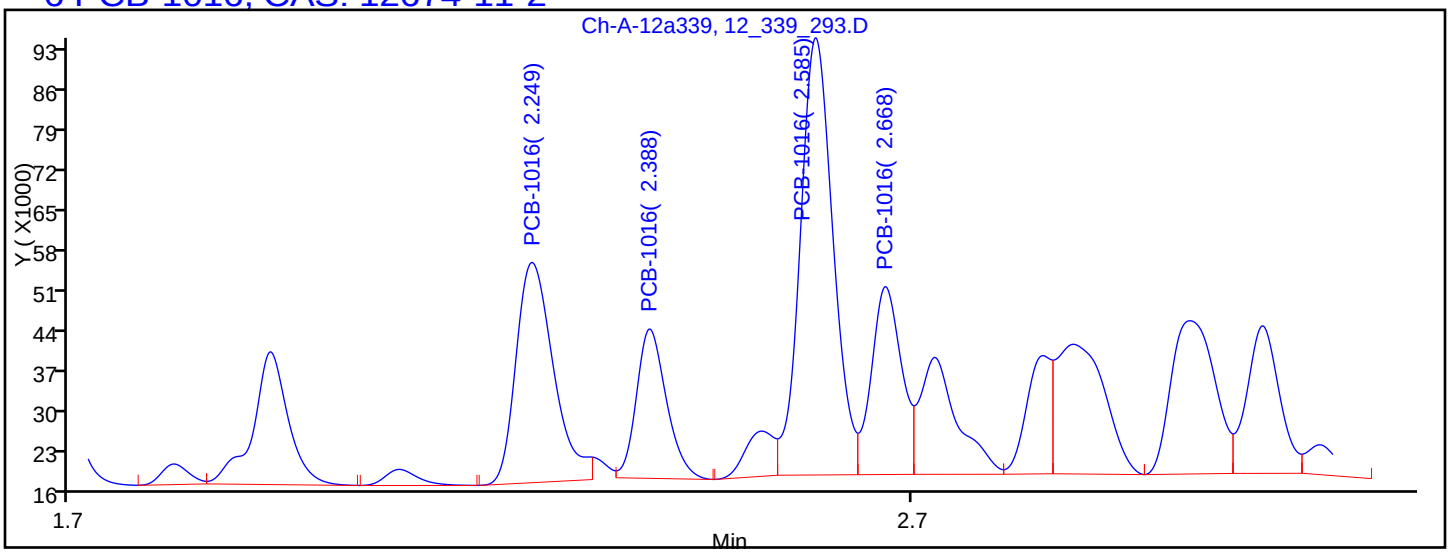
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

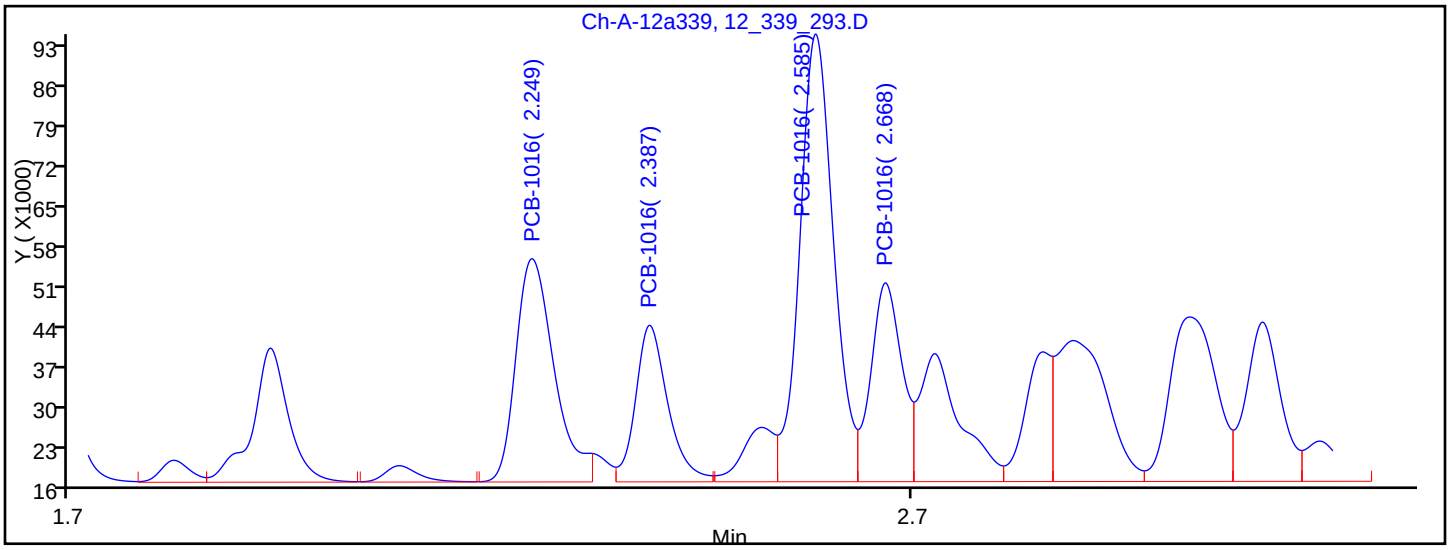
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.249	Response = 119010	M
RT = 2.388	Response = 64671	M
RT = 2.585	Response = 207399	M
RT = 2.668	Response = 81732	M



Manual Integration Results

RT = 2.249	Response = 123446	M
RT = 2.387	Response = 73031	M
RT = 2.585	Response = 217812	M
RT = 2.668	Response = 89290	M

Reviewer: eversd, 03-Aug-2015 11:06:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:47 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date: 01-Aug-2015 13:29:01 Instrument ID: HP5890-12

Lims ID: IC 6

Client ID:

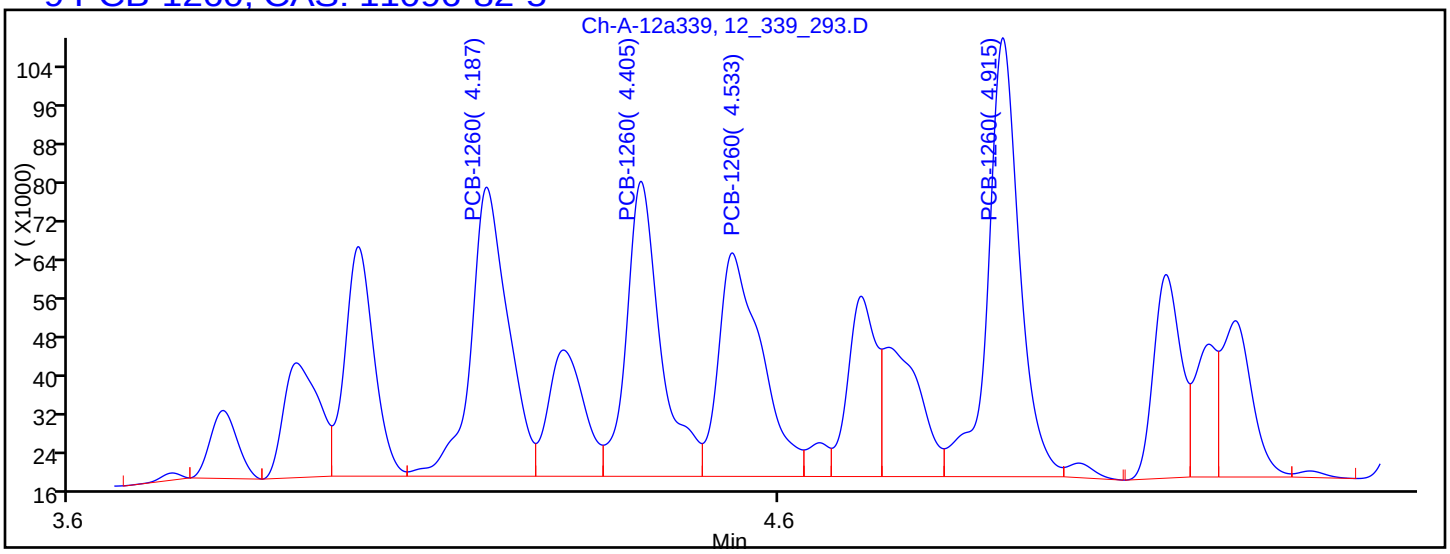
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

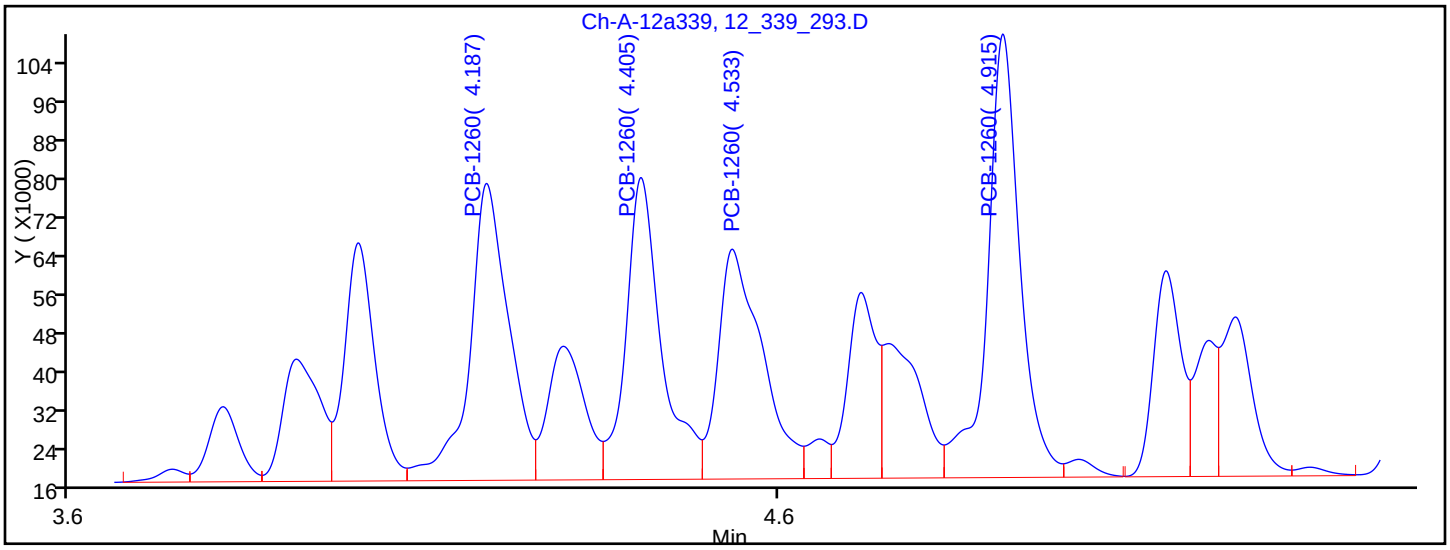
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.187	Response = 219928	M
RT = 4.405	Response = 205657	M
RT = 4.533	Response = 195861	M
RT = 4.915	Response = 284747	M



Manual Integration Results

RT = 4.187	Response = 237940	M
RT = 4.405	Response = 217627	M
RT = 4.533	Response = 207002	M
RT = 4.915	Response = 294371	M

Reviewer: eversd, 03-Aug-2015 11:06:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Aug-2015 13:43:59 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:49 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.689	1.689	0.000	34255	0.0125	0.0122	
2	1.310	1.310	0.000	16787	0.0125	0.0112	
						RPD = 8.91	
6 PCB-1016							
1	2.251	2.251	0.000	70222	0.5000	0.4920	
1	2.391	2.391	0.000	37915	0.5000	0.4560	
1	2.588	2.588	0.000	112946	0.5000	0.4731	
1	2.671	2.671	0.000	46641	0.5000	0.4511	
		Average of Peak Amounts =				0.4681	
2	1.976	1.976	0.000	60815	0.5000	0.5091	
2	2.266	2.266	0.000	77005	0.5000	0.5125	
2	2.379	2.379	0.000	34194	0.5000	0.4896	
2	2.744	2.744	0.000	38889	0.5000	0.5311	
		Average of Peak Amounts =				0.5106	
						RPD = 8.69	
9 PCB-1260							
1	4.189	4.189	0.000	120829	0.5000	0.4699	
1	4.407	4.407	0.000	109256	0.5000	0.4941	
1	4.535	4.535	0.000	105884	0.5000	0.4767	
1	4.916	4.916	0.000	150626	0.5000	0.4997	
		Average of Peak Amounts =				0.4851	
2	4.054	4.054	0.000	81175	0.5000	0.5164	
2	4.359	4.359	0.000	45086	0.5000	0.4858	
2	4.495	4.495	0.000	110930	0.5000	0.5180	
2	4.810	4.810	0.000	94741	0.5000	0.5174	
		Average of Peak Amounts =				0.5094	
						RPD = 4.89	
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.231	0.000	39770	0.0125	0.0115	
2	5.682	5.682	0.000	30597	0.0125	0.0116	
						RPD = 1.06	

Reagents:

1660sur/is0.5_00002 Amount Added: 1.00 Units: mL

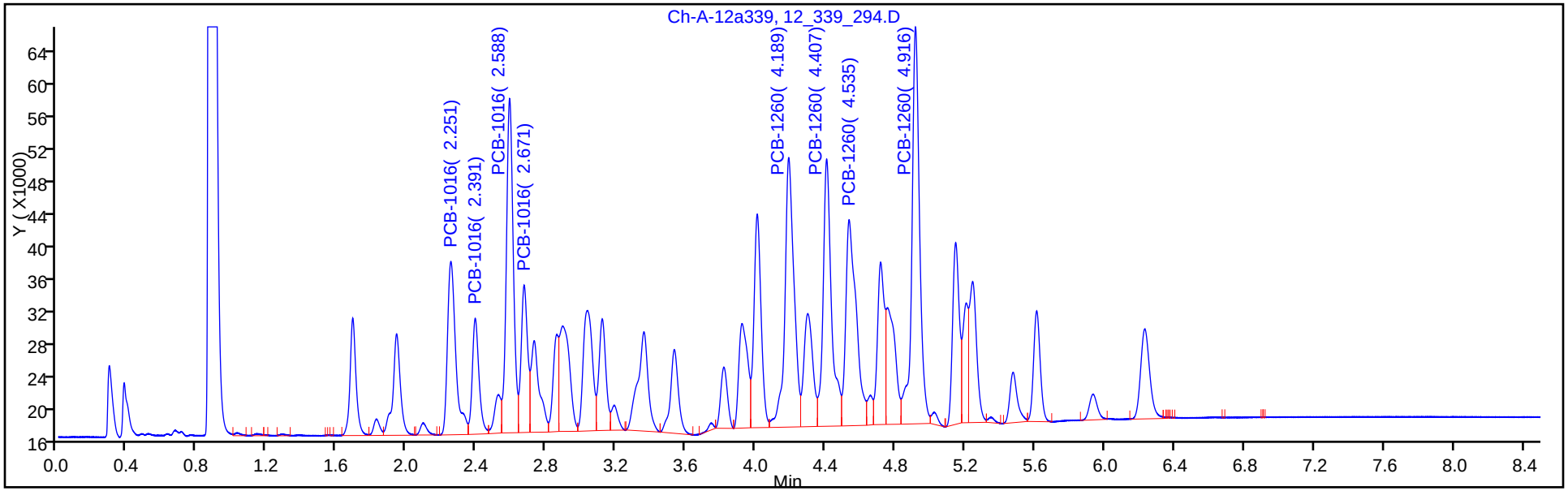
Report Date: 04-Aug-2015 09:07:50 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

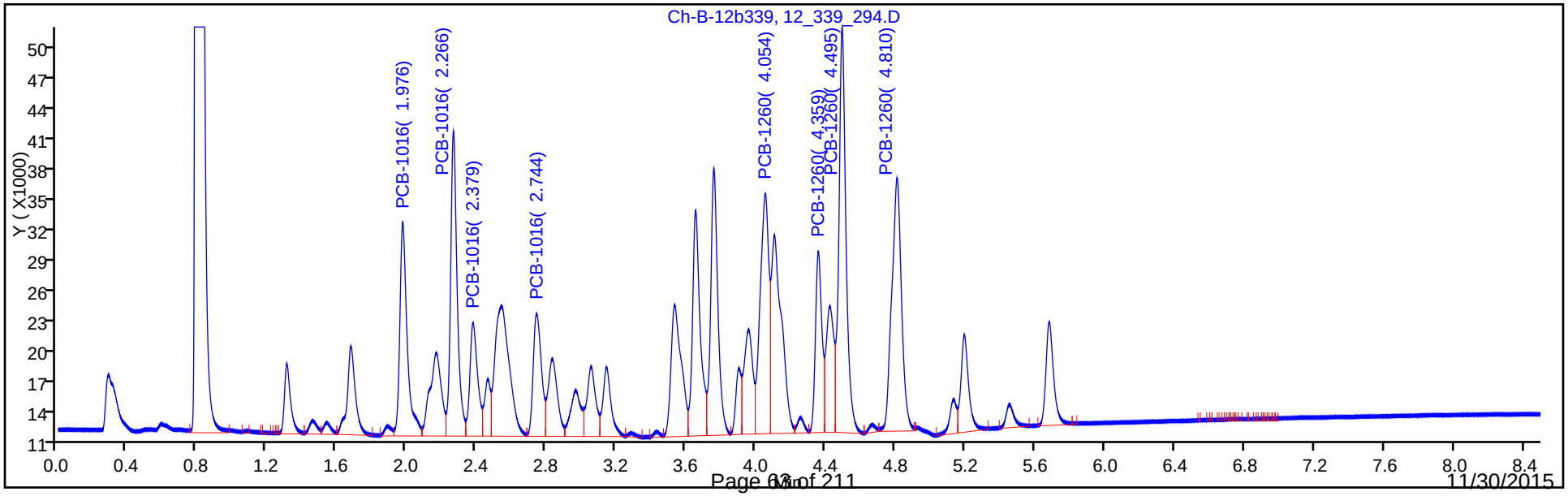
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D

Injection Date:	01-Aug-2015 13:43:59	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Aug-2015 13:58:50 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:52 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.688	1.689	-0.001	13547	0.005000	0.004829	
2	1.310	1.310	0.000	6217	0.005000	0.004136	
						RPD = 15.45	
6 PCB-1016							M
1	2.255	2.251	0.004	28555	0.2000	0.2001	M
1	2.391	2.391	0.000	16027	0.2000	0.1927	M
1	2.589	2.588	0.001	47074	0.2000	0.1972	M
1	2.671	2.671	0.000	20261	0.2000	0.1960	M
		Average of Peak Amounts =				0.1965	
2	1.975	1.976	-0.001	24277	0.2000	0.2032	M
2	2.269	2.266	0.003	28119	0.2000	0.1871	M
2	2.379	2.379	0.000	13402	0.2000	0.1919	M
2	2.745	2.744	0.001	14320	0.2000	0.1956	M
		Average of Peak Amounts =				0.1945	
						RPD = 1.04	
9 PCB-1260							M
1	4.189	4.189	0.000	52752	0.2000	0.2052	M
1	4.407	4.407	0.000	45863	0.2000	0.2074	M
1	4.535	4.535	0.000	45040	0.2000	0.2028	M
1	4.916	4.916	0.000	62812	0.2000	0.2084	M
		Average of Peak Amounts =				0.2059	
2	4.053	4.054	-0.001	29782	0.2000	0.1895	M
2	4.359	4.359	0.000	17291	0.2000	0.1863	M
2	4.496	4.495	0.001	43010	0.2000	0.2008	M
2	4.810	4.810	0.000	36559	0.2000	0.1996	M
		Average of Peak Amounts =				0.1941	
						RPD = 5.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.231	0.001	16748	0.005000	0.004824	
2	5.683	5.682	0.001	12541	0.005000	0.004746	
						RPD = 1.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00002 Amount Added: 1.00 Units: mL

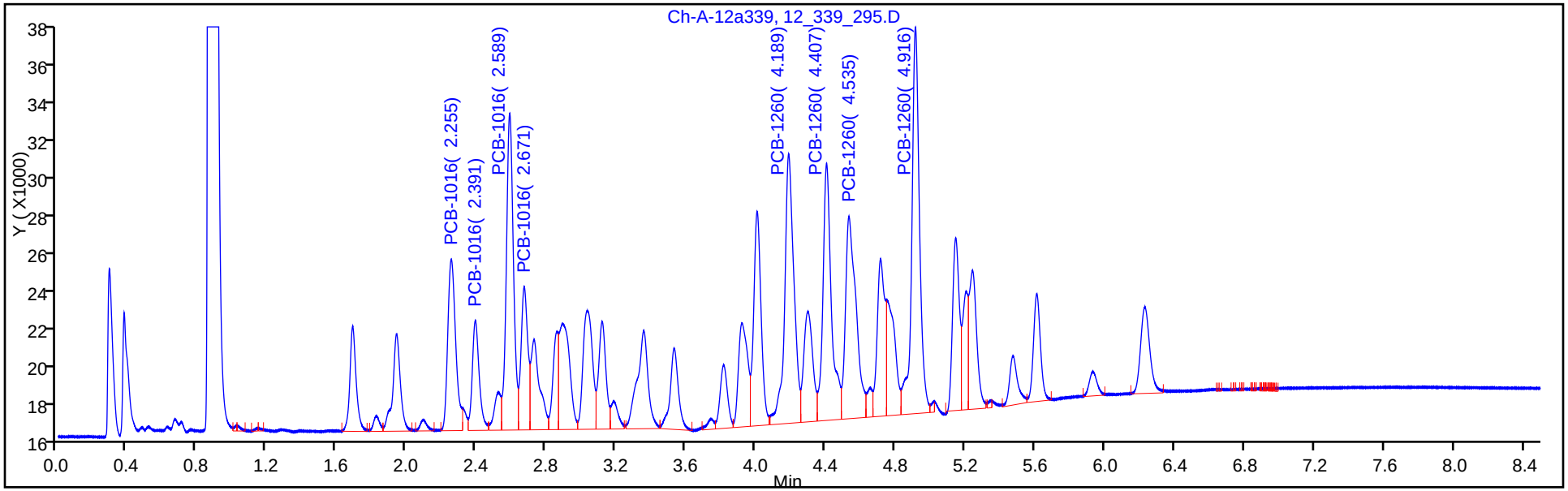
Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

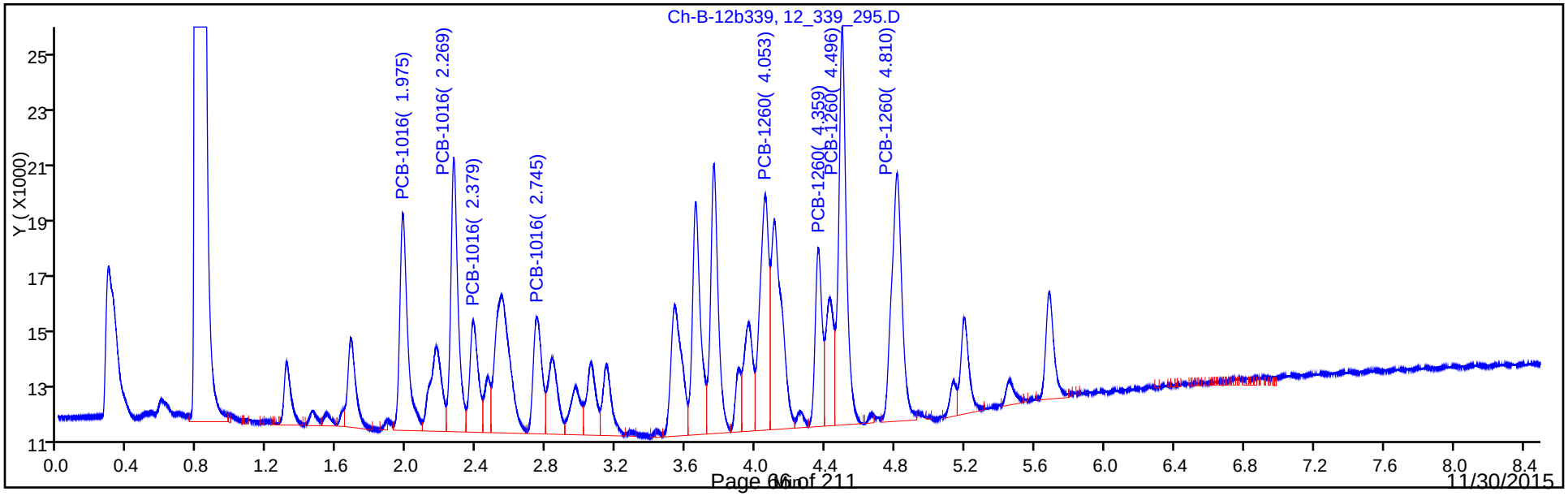
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date:	01-Aug-2015 13:58:50	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date: 01-Aug-2015 13:58:50 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

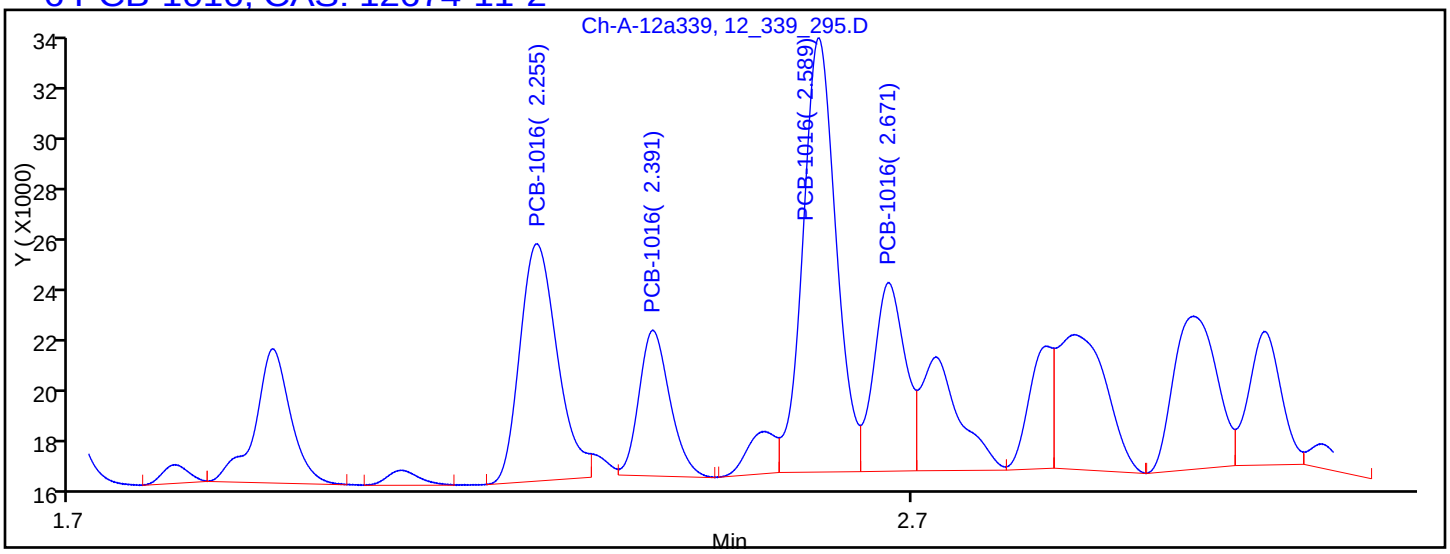
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

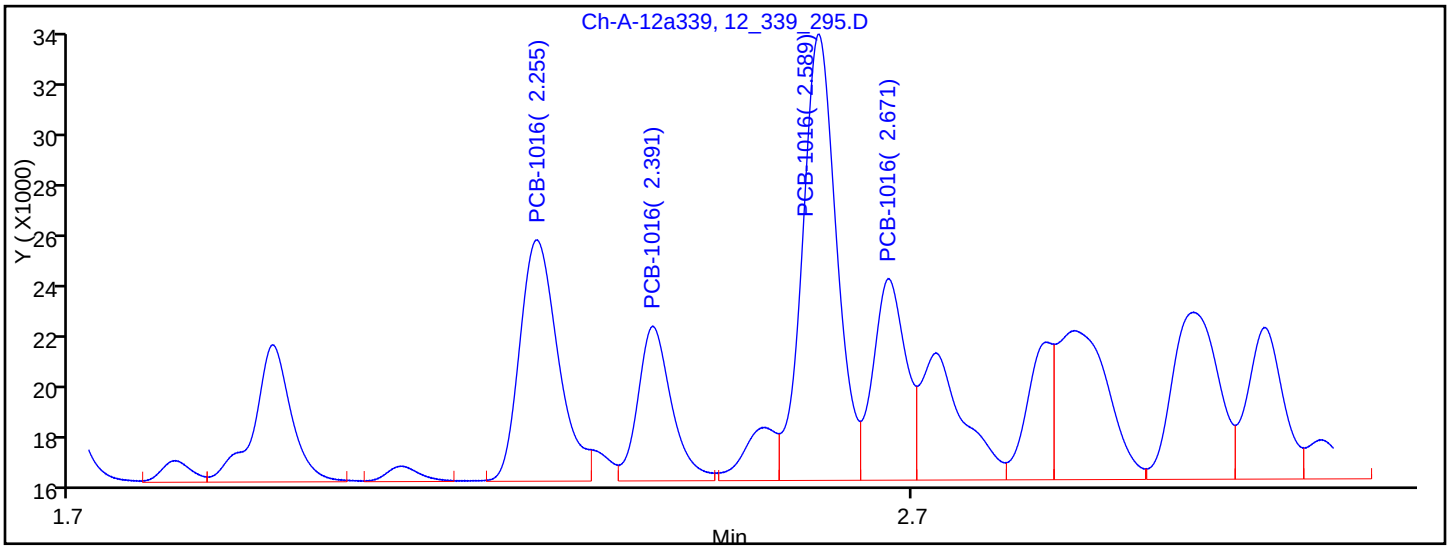
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.255	Response = 27347	M
RT = 2.391	Response = 13832	M
RT = 2.589	Response = 44395	M
RT = 2.671	Response = 18315	M



Manual Integration Results

RT = 2.255	Response = 28555	M
RT = 2.391	Response = 16027	M
RT = 2.589	Response = 47074	M
RT = 2.671	Response = 20261	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date: 01-Aug-2015 13:58:50 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

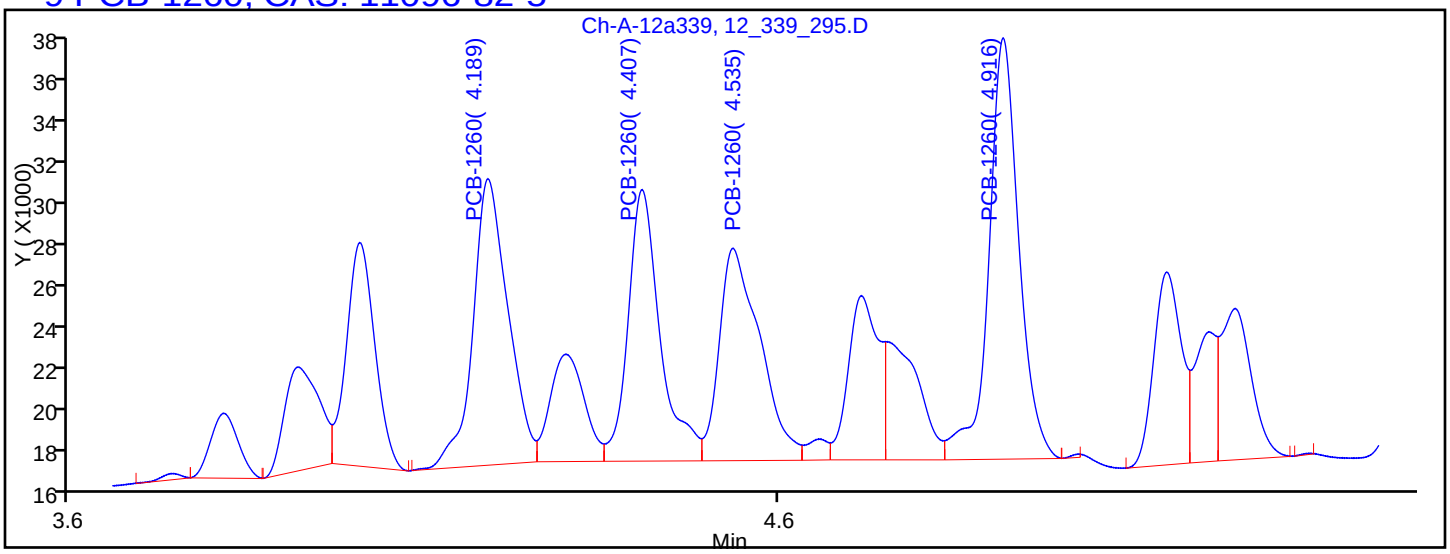
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

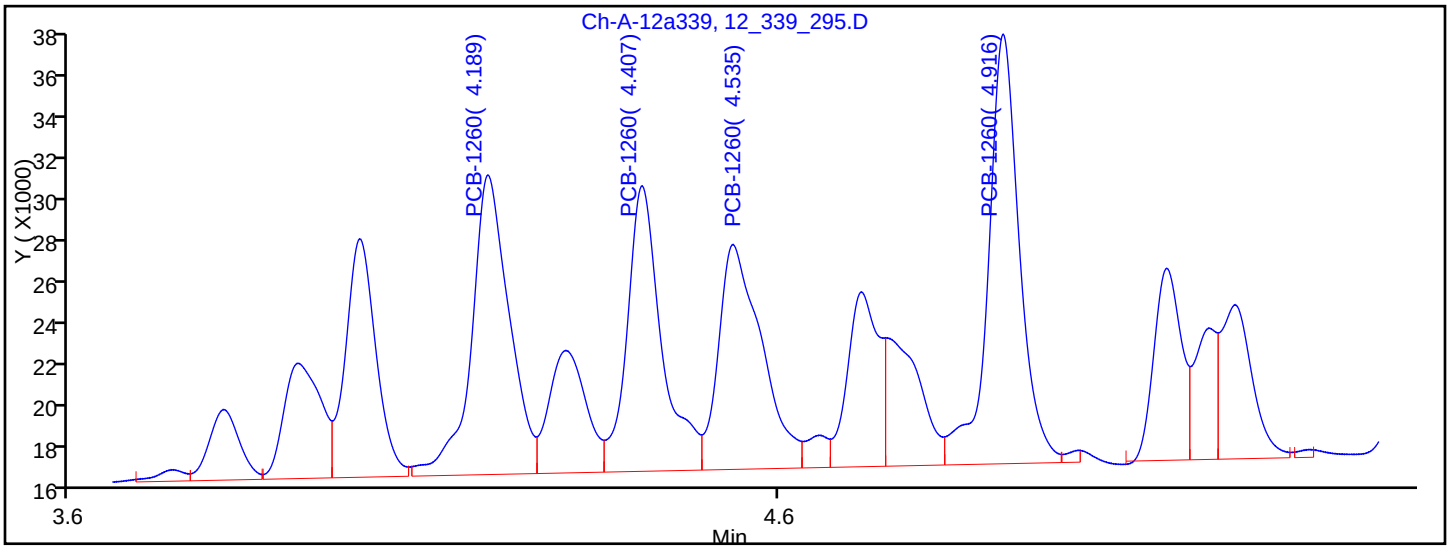
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.189	Response = 46535	M
RT = 4.407	Response = 40481	M
RT = 4.535	Response = 40156	M
RT = 4.916	Response = 58924	M



Manual Integration Results

RT = 4.189	Response = 52752	M
RT = 4.407	Response = 45863	M
RT = 4.535	Response = 45040	M
RT = 4.916	Response = 62812	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-Aug-2015 14:13:48 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:55 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.687	1.687	0.000	7118	0.002500	0.002537	
2	1.310	1.310	0.000	3326	0.002500	0.002213	
						RPD = 13.66	
6 PCB-1016							
1	2.251	2.251	0.000	14782	0.1000	0.1036	
1	2.389	2.389	0.000	8067	0.1000	0.0970	
1	2.587	2.587	0.000	23909	0.1000	0.1002	
1	2.671	2.671	0.000	11552	0.1000	0.1117	
		Average of Peak Amounts =				0.1031	
2	1.975	1.975	0.000	12540	0.1000	0.1050	
2	2.265	2.265	0.000	14153	0.1000	0.0942	
2	2.375	2.375	0.000	6820	0.1000	0.0976	
2	2.743	2.743	0.000	6983	0.1000	0.0954	
		Average of Peak Amounts =				0.0980	
						RPD = 5.04	
9 PCB-1260							M
1	4.191	4.191	0.000	26362	0.1000	0.1025	M
1	4.408	4.408	0.000	22845	0.1000	0.1033	M
1	4.538	4.538	0.000	23056	0.1000	0.1038	M
1	4.918	4.918	0.000	30590	0.1000	0.1015	M
		Average of Peak Amounts =				0.1028	
2	4.055	4.055	0.000	14580	0.1000	0.0927	M
2	4.361	4.361	0.000	8431	0.1000	0.0908	M
2	4.497	4.497	0.000	20454	0.1000	0.0955	M
2	4.814	4.814	0.000	16661	0.1000	0.0910	
		Average of Peak Amounts =				0.0925	
						RPD = 10.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.235	6.235	0.000	8492	0.002500	0.002446	
2	5.687	5.687	0.000	6548	0.002500	0.002478	
						RPD = 1.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00002 Amount Added: 1.00 Units: mL

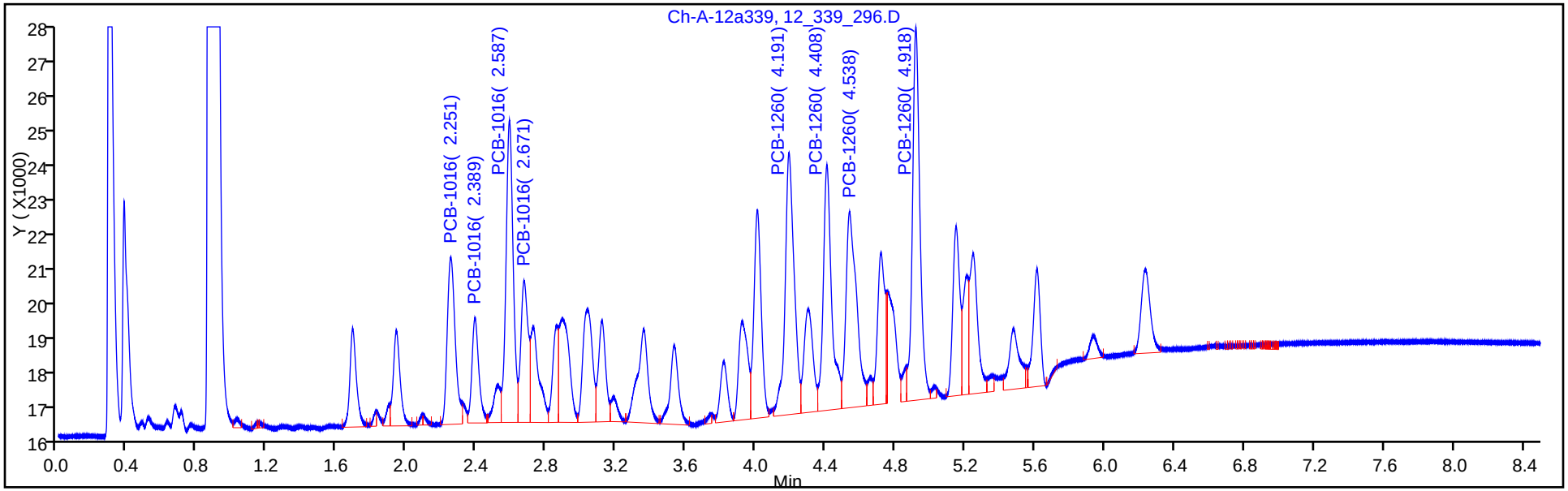
Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

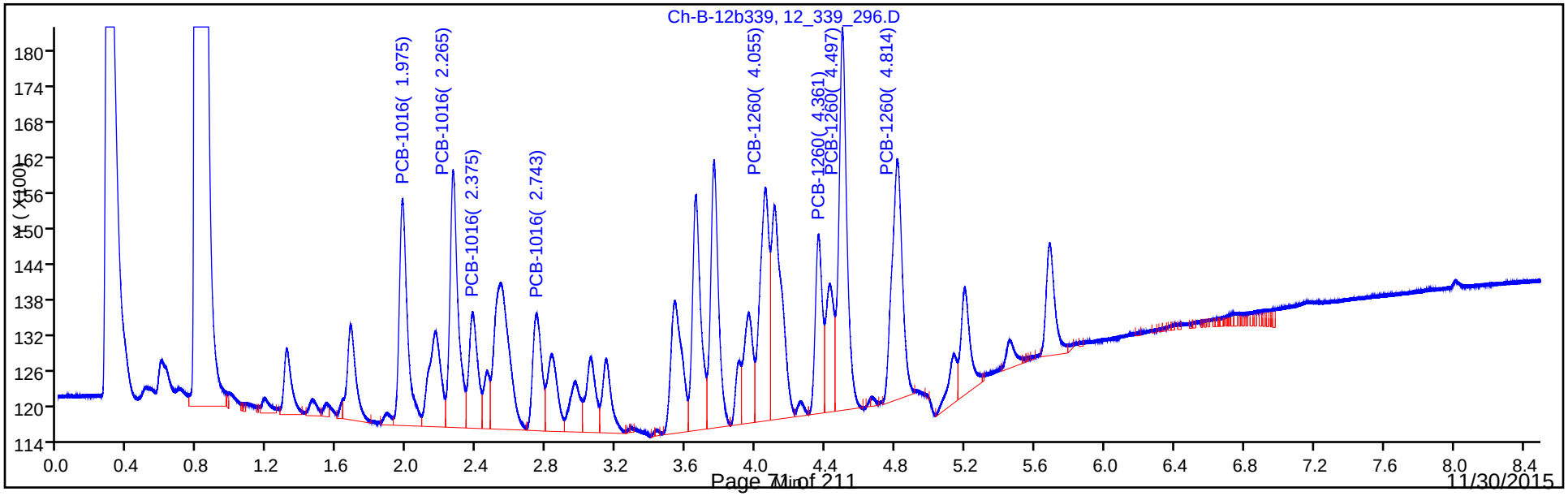
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date:	01-Aug-2015 14:13:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date: 01-Aug-2015 14:13:48 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

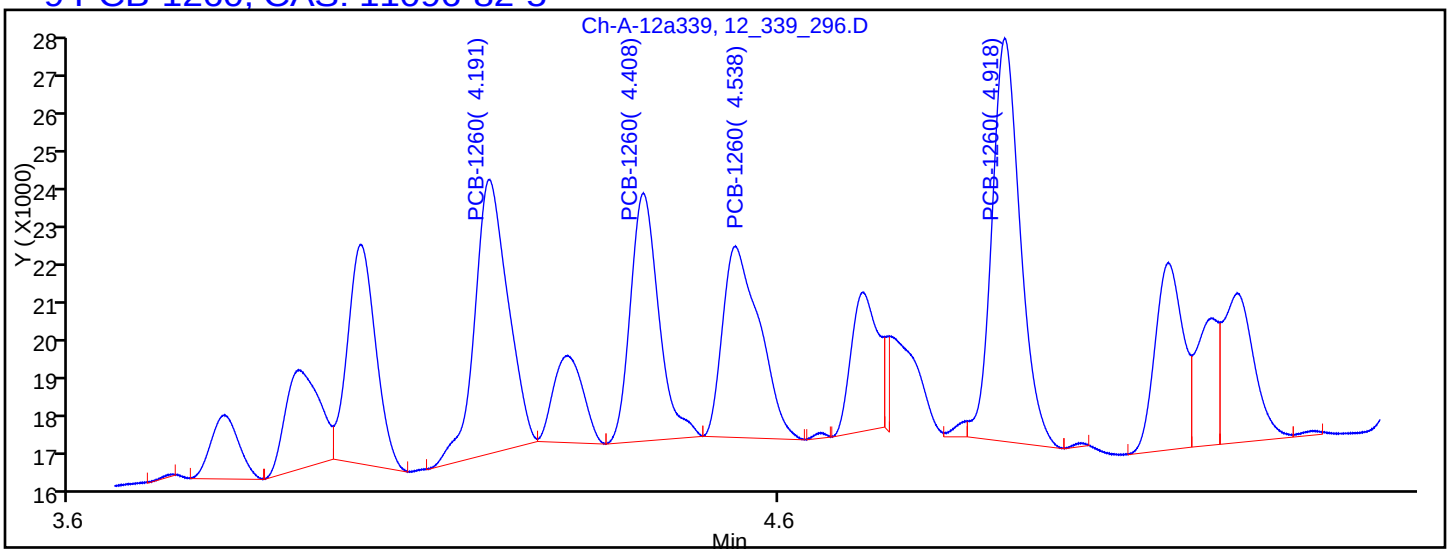
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

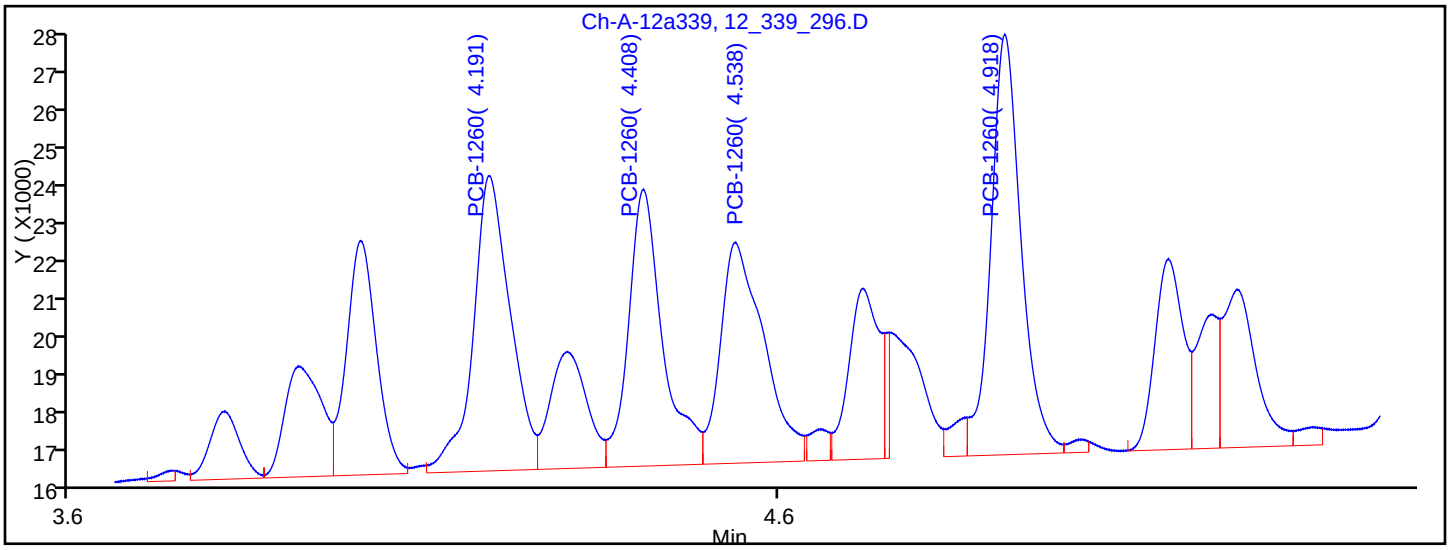
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.191	Response = 21926	M
RT = 4.408	Response = 16962	M
RT = 4.538	Response = 17092	M
RT = 4.918	Response = 27518	M



Manual Integration Results

RT = 4.191	Response = 26362	M
RT = 4.408	Response = 22845	M
RT = 4.538	Response = 23056	M
RT = 4.918	Response = 30590	M

Reviewer: eversd, 03-Aug-2015 11:07:50

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 14:28:46 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:58 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:08:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.689	1.687	0.002	3550	0.001250	0.001265	M
2	1.311	1.310	0.001	2002	0.001250	0.001332	
						RPD = 5.12	
6 PCB-1016							M
1	2.249	2.251	-0.002	7544	0.0500	0.0529	M
1	2.389	2.389	0.000	4350	0.0500	0.0523	M
1	2.586	2.587	-0.001	12565	0.0500	0.0526	M
1	2.671	2.671	0.000	6391	0.0500	0.0618	M
		Average of Peak Amounts =				0.0549	
2	1.973	1.975	-0.002	6171	0.0500	0.0517	M
2	2.263	2.265	-0.002	6996	0.0500	0.0466	M
2	2.375	2.375	0.000	3320	0.0500	0.0475	M
2	2.742	2.743	-0.001	3116	0.0500	0.0426	
		Average of Peak Amounts =				0.0471	
						RPD = 15.35	
9 PCB-1260							M
1	4.190	4.191	-0.001	13617	0.0500	0.0530	M
1	4.407	4.408	-0.001	11612	0.0500	0.0525	M
1	4.535	4.538	-0.003	11774	0.0500	0.0530	M
1	4.917	4.918	-0.001	15530	0.0500	0.0515	M
		Average of Peak Amounts =				0.0525	
2	4.056	4.055	0.001	7136	0.0500	0.0454	M
2	4.361	4.361	0.000	4553	0.0500	0.0491	M
2	4.498	4.497	0.001	9973	0.0500	0.0466	M
2	4.811	4.814	-0.003	8798	0.0500	0.0480	M
		Average of Peak Amounts =				0.0473	
						RPD = 10.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.235	-0.004	5154	0.001250	0.001485	
2	5.687	5.687	0.000	3432	0.001250	0.001299	
						RPD = 13.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00002 Amount Added: 1.00 Units: mL

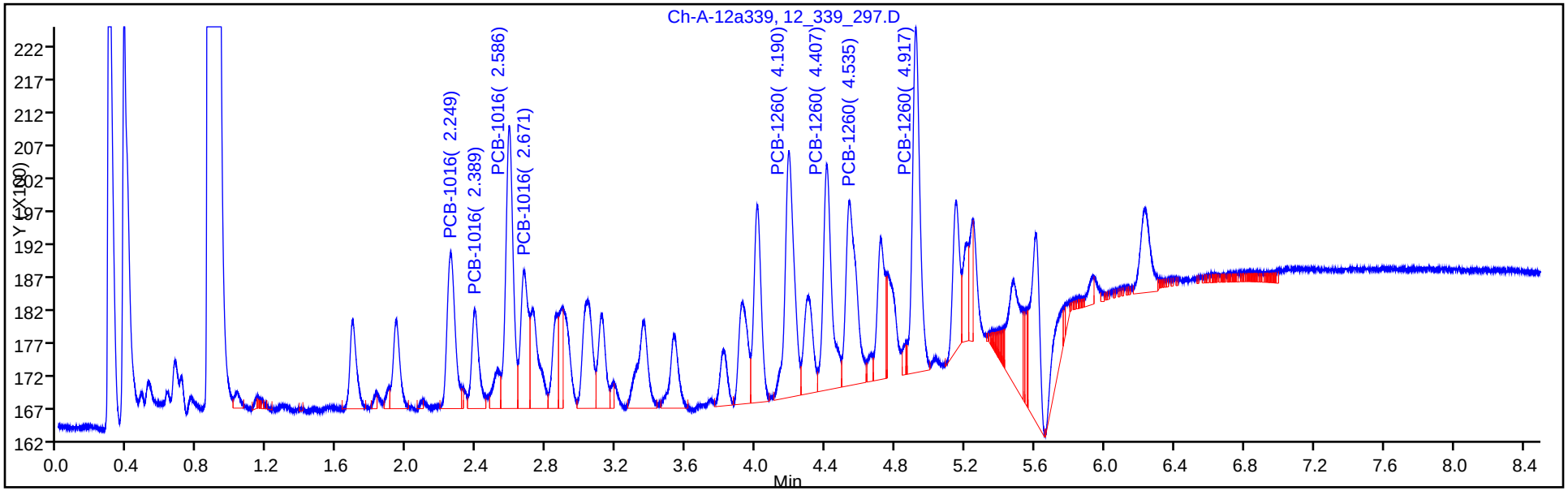
Report Date: 04-Aug-2015 09:07:59 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

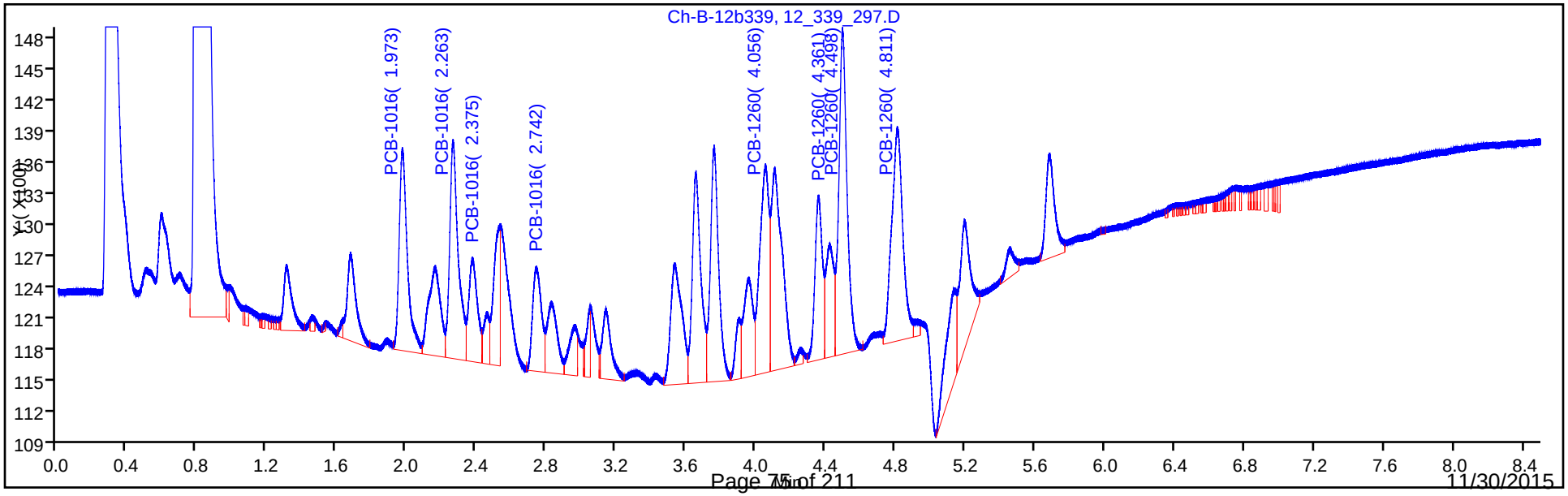
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date:	01-Aug-2015 14:28:46	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Manual Integration/User Assign Peak Report

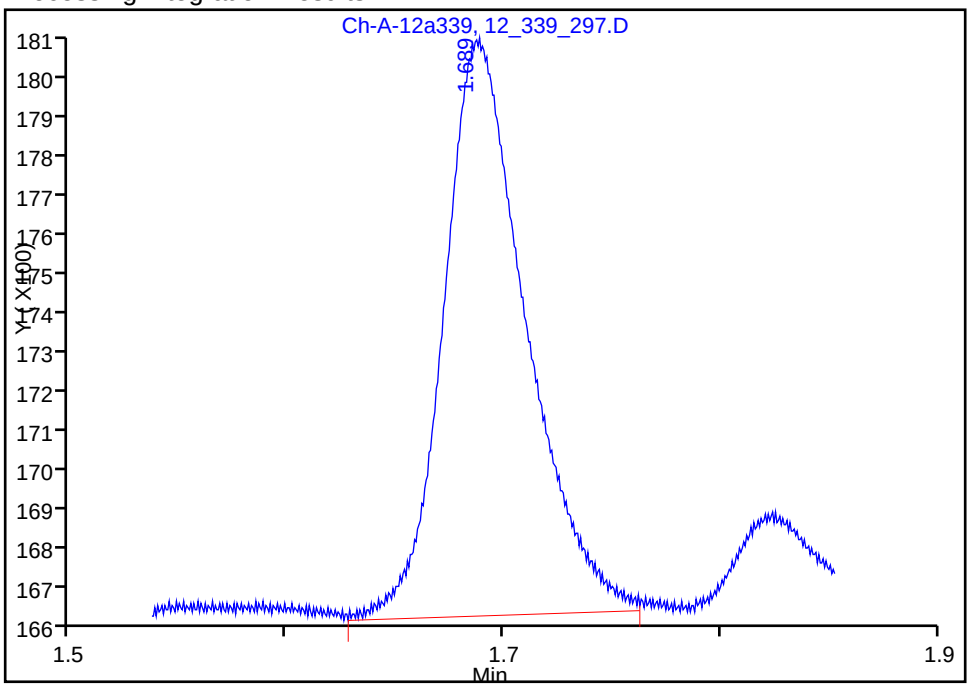
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D
Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

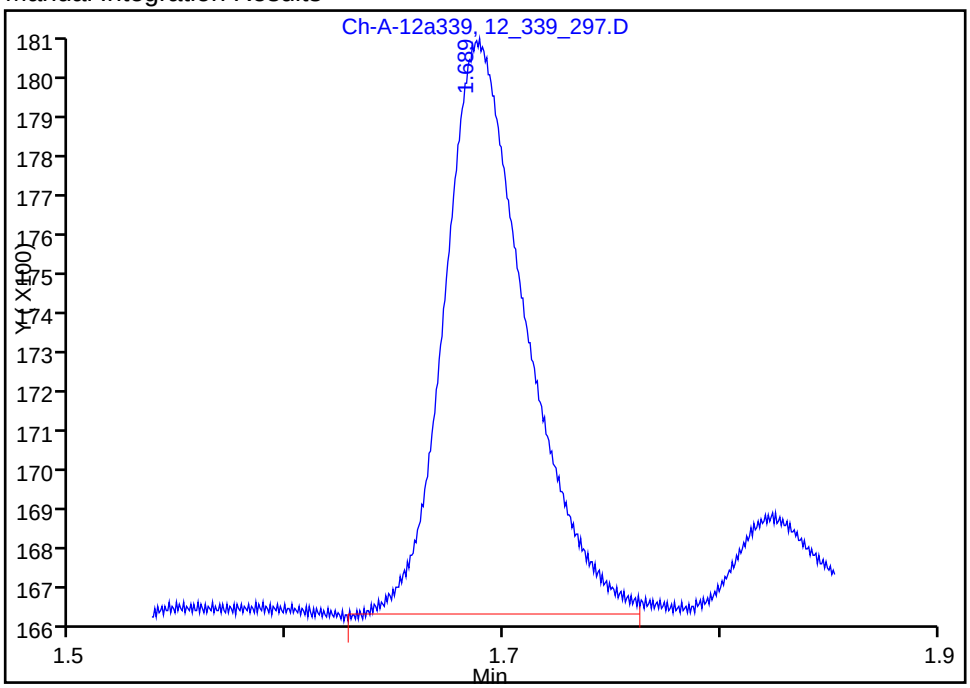
Processing Integration Results

RT: 1.69
Area: 3594
Amount: 0.001279
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 3550
Amount: 0.001265
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:08:29
Audit Action: Assigned New Baseline
Audit Reason: Peak Tail

Report Date: 04-Aug-2015 09:07:59 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

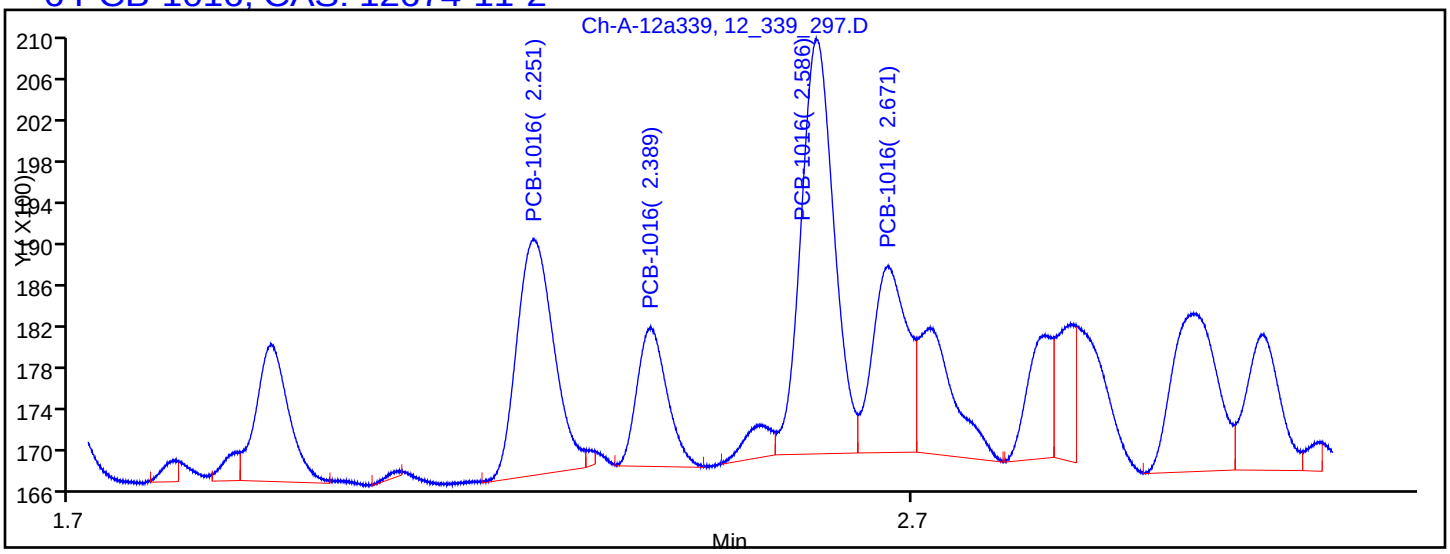
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

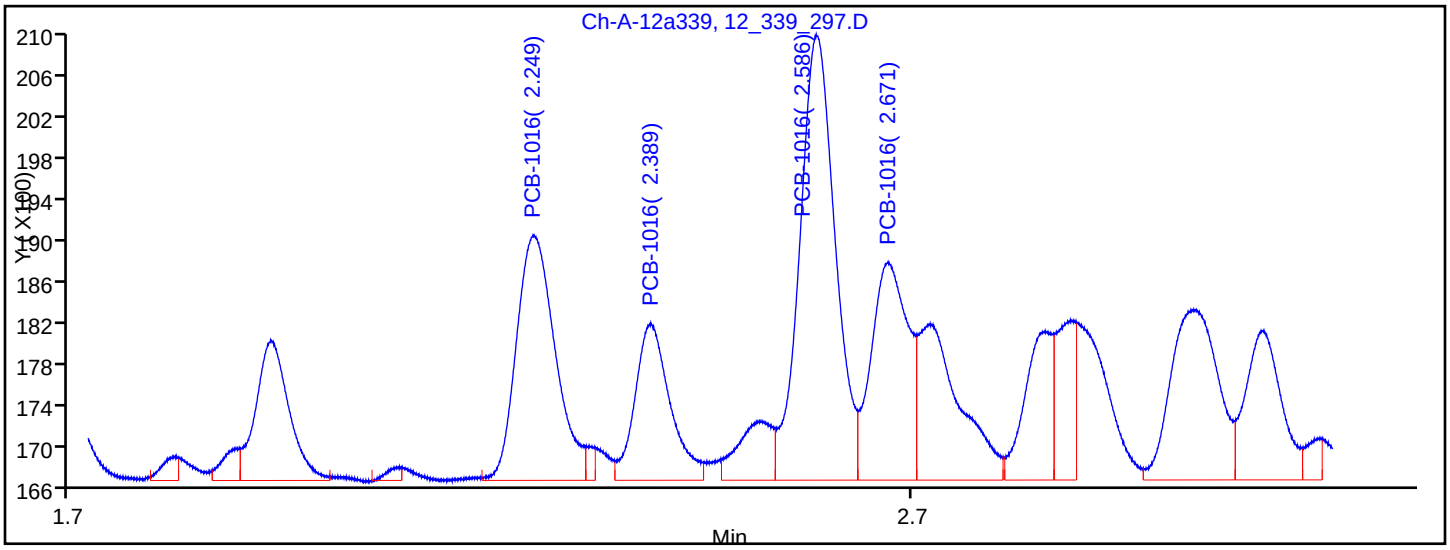
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.251	Response = 6919	M
RT = 2.389	Response = 3295	M
RT = 2.586	Response = 10875	M
RT = 2.671	Response = 5131	M



Manual Integration Results

RT = 2.249	Response = 7544	M
RT = 2.389	Response = 4350	M
RT = 2.586	Response = 12565	M
RT = 2.671	Response = 6391	M

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

Report Date: 04-Aug-2015 09:07:59 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

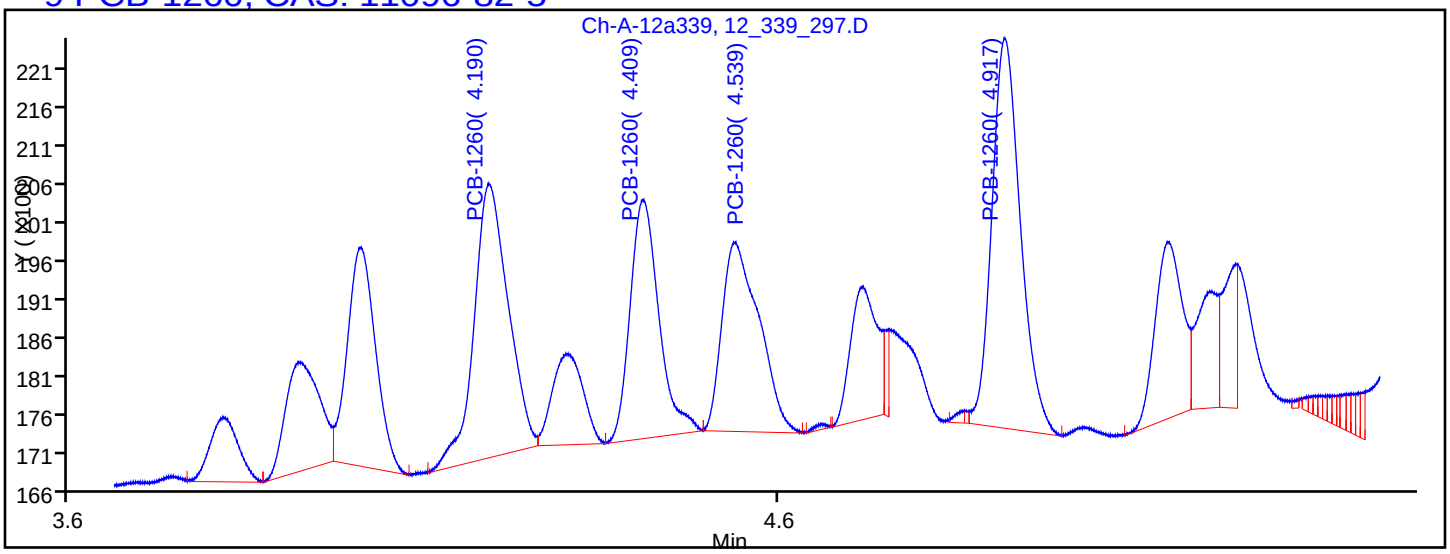
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

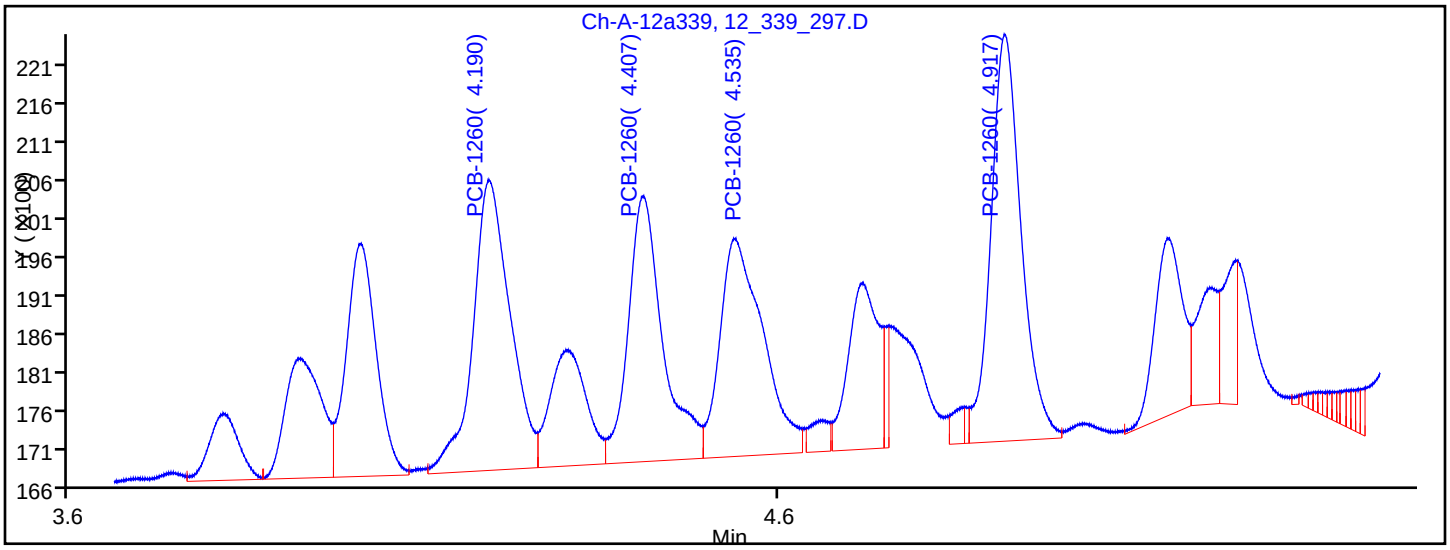
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.190	Response = 11800	M
RT = 4.409	Response = 8681	M
RT = 4.539	Response = 8834	M
RT = 4.917	Response = 14064	M



Manual Integration Results

RT = 4.190	Response = 13617	M
RT = 4.407	Response = 11612	M
RT = 4.535	Response = 11774	M
RT = 4.917	Response = 15530	M

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Aug-2015 14:43:45 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:03 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:09:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.692	1.687	0.005	1520	0.000500	0.000542	
2	1.314	1.310	0.004	884	0.000500	0.000588	M
						RPD = 8.20	
6 PCB-1016							M
1	2.251	2.251	0.000	3642	0.0200	0.0255	M
1	2.391	2.389	0.002	2300	0.0200	0.0277	M
1	2.589	2.587	0.002	5803	0.0200	0.0243	M
1	2.684	2.671	0.013	2217	0.0200	0.0214	M
		Average of Peak Amounts =				0.0247	
2	1.973	1.975	-0.002	2452	0.0200	0.0205	M
2	2.263	2.265	-0.002	2829	0.0200	0.0188	M
2	2.373	2.375	-0.002	1578	0.0200	0.0226	M
2	2.745	2.743	0.002	1315	0.0200	0.0180	
		Average of Peak Amounts =				0.0200	
						RPD = 21.28	
9 PCB-1260							M
1	4.193	4.191	0.002	5921	0.0200	0.0230	M
1	4.410	4.408	0.002	4217	0.0200	0.0191	M
1	4.539	4.538	0.001	4926	0.0200	0.0222	M
1	4.920	4.918	0.002	5970	0.0200	0.0198	M
		Average of Peak Amounts =				0.0210	
2	4.057	4.055	0.002	3150	0.0200	0.0200	M
2	4.359	4.361	-0.002	2248	0.0200	0.0242	M
2	4.499	4.497	0.002	4027	0.0200	0.0188	M
2	4.816	4.814	0.002	3278	0.0200	0.0179	
		Average of Peak Amounts =				0.0202	
						RPD = 3.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							M
1	6.233	6.235	-0.002	2145	0.000500	0.000618	M
2	5.686	5.687	-0.001	1728	0.000500	0.000654	
						RPD = 5.67	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00002 Amount Added: 1.00 Units: mL

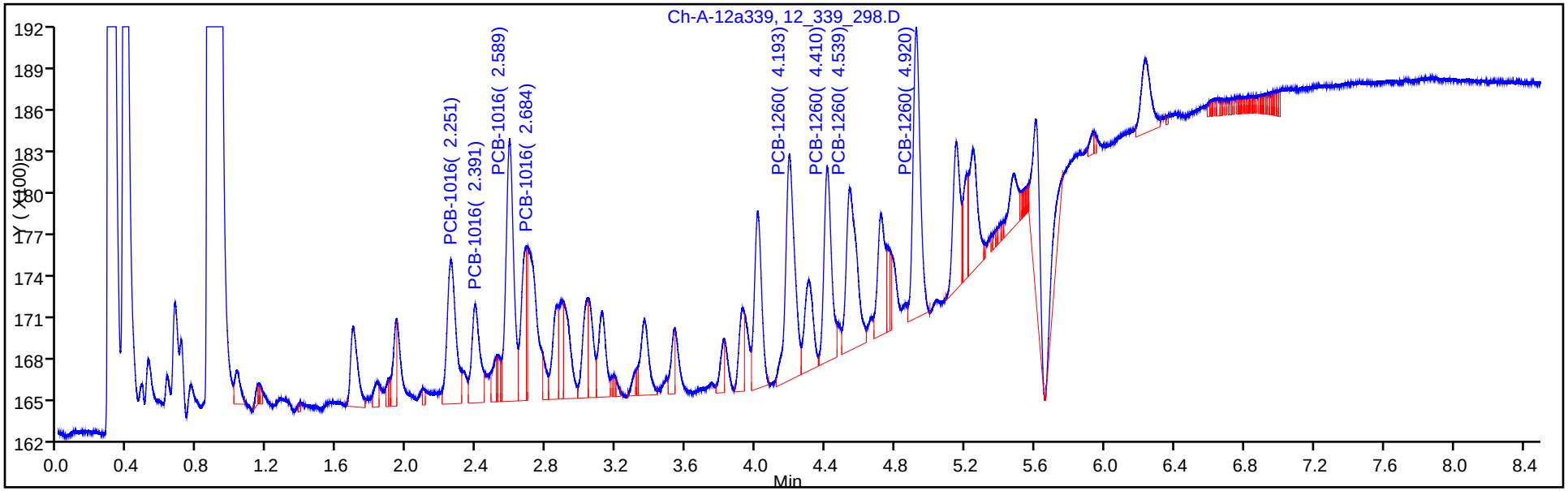
Report Date: 04-Aug-2015 09:08:04 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

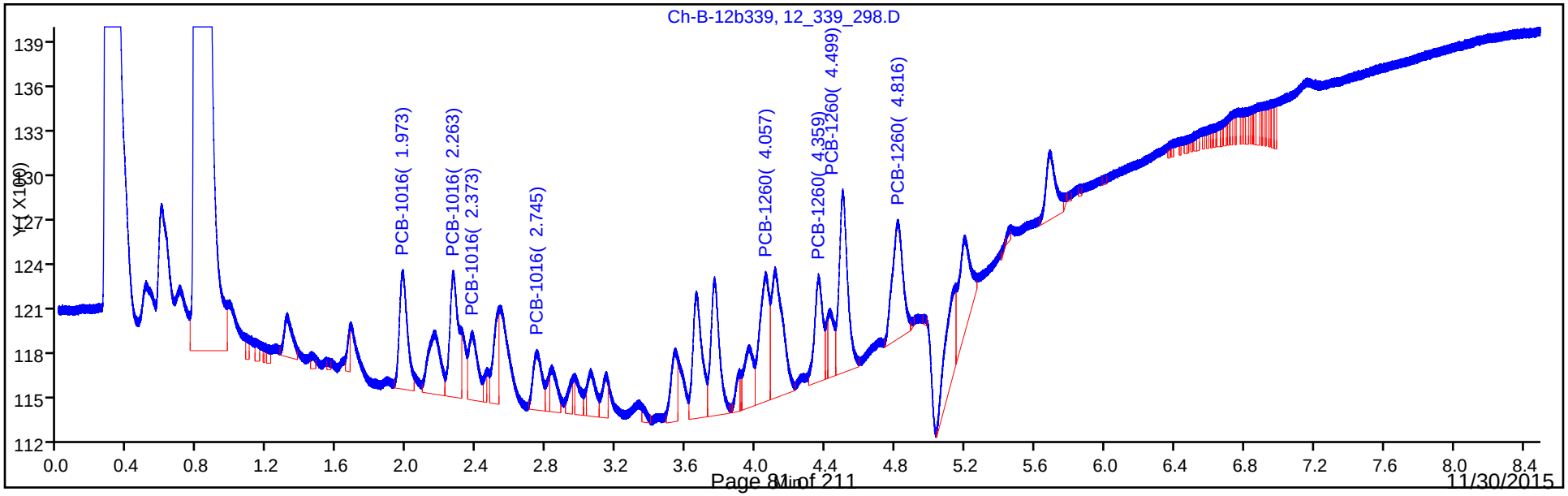
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date:	01-Aug-2015 14:43:45	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)

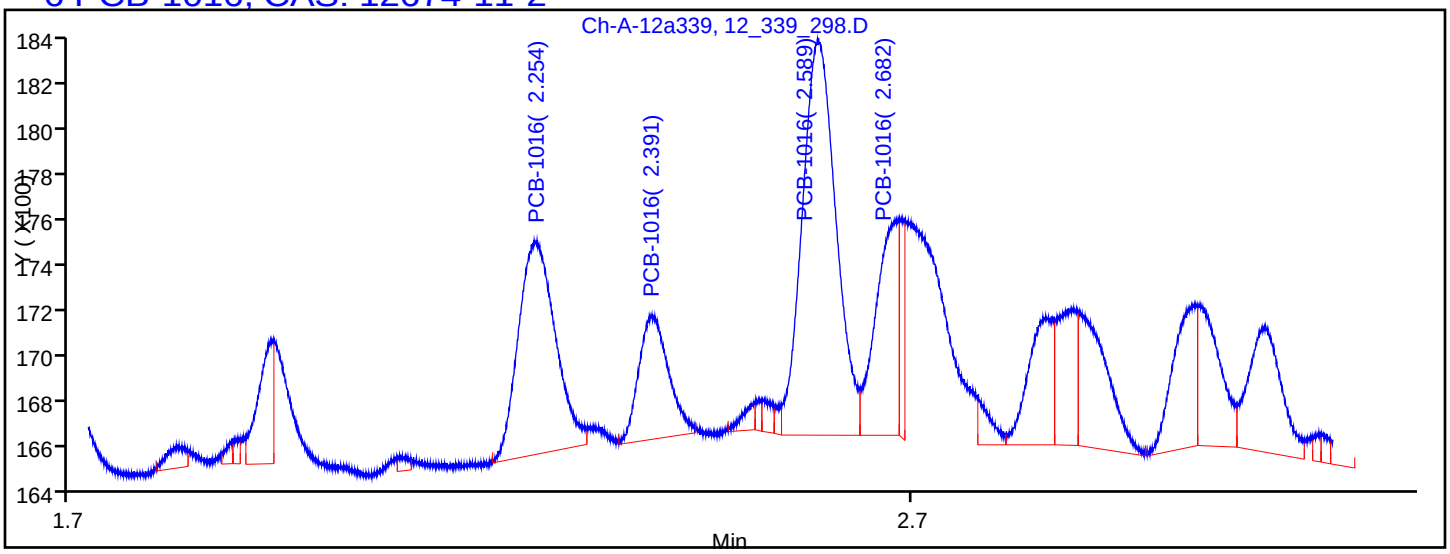


Column: ZB-35 (0.53 mm)



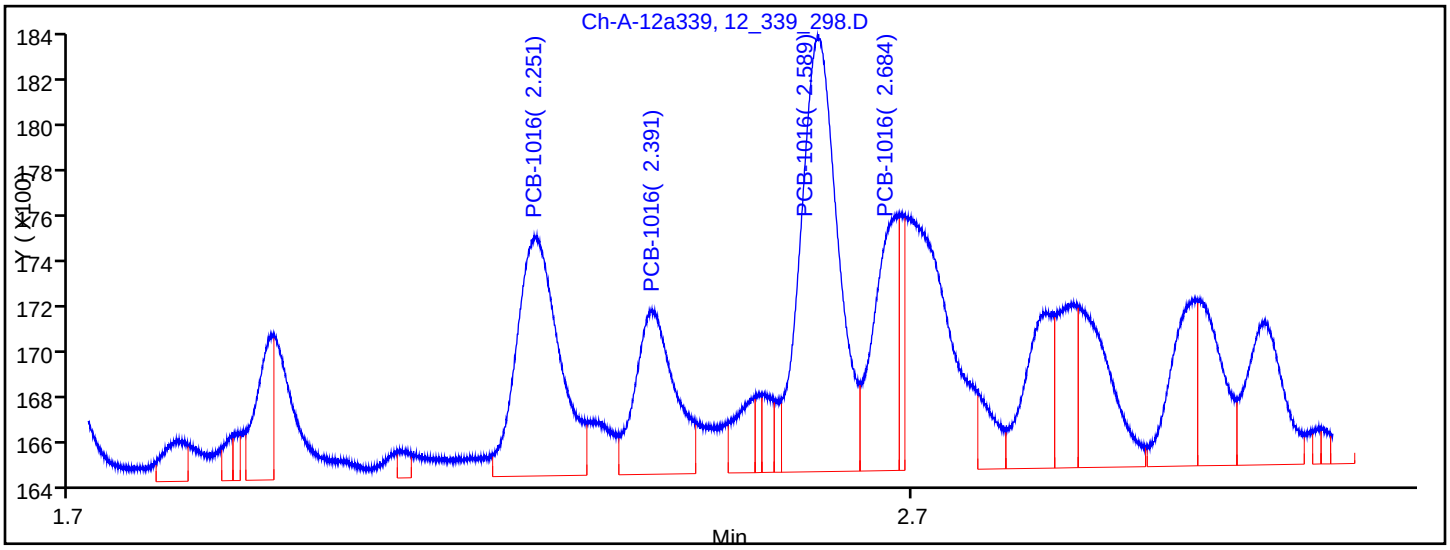
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.254	Response = 2815	M
RT = 2.391	Response = 1311	M
RT = 2.589	Response = 4772	M
RT = 2.682	Response = 1714	M



Manual Integration Results

RT = 2.251	Response = 3642	M
RT = 2.391	Response = 2300	M
RT = 2.589	Response = 5803	M
RT = 2.684	Response = 2217	M

Reviewer: eversd, 03-Aug-2015 11:09:44
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

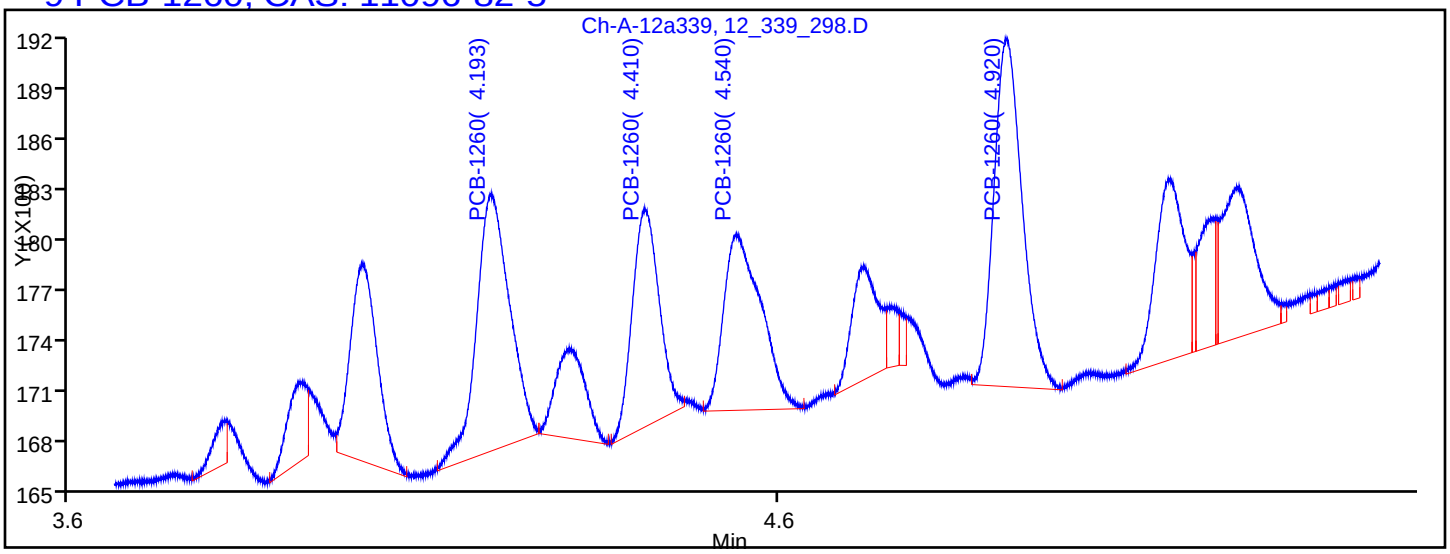
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

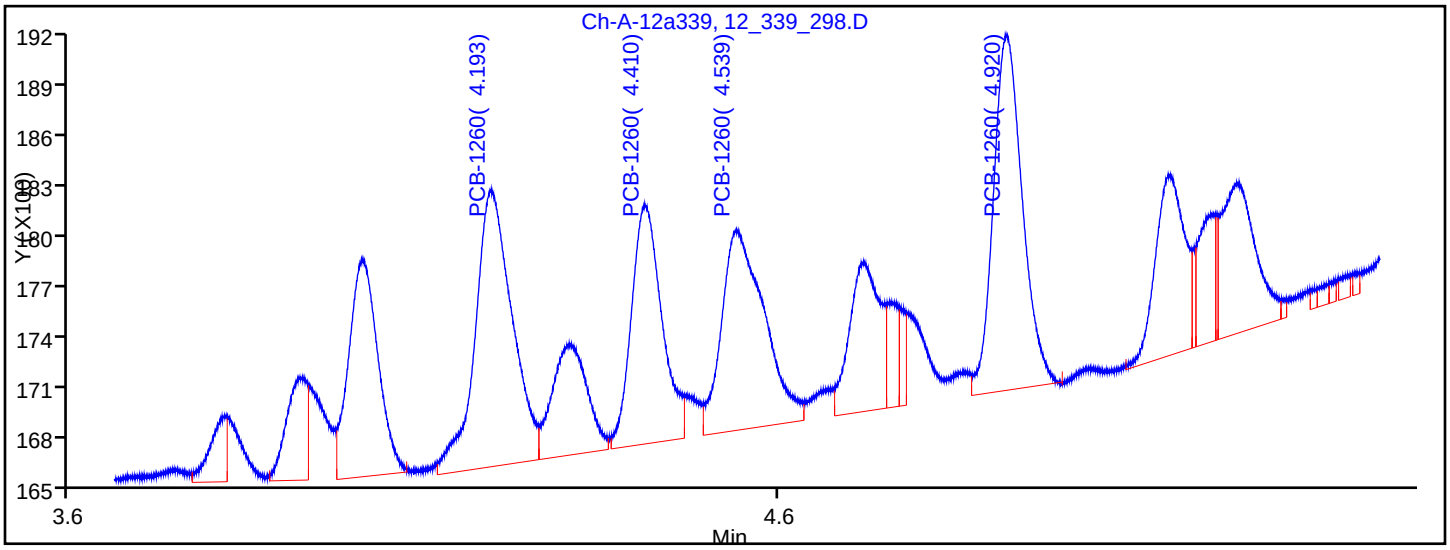
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.193	Response = 4924	M
RT = 4.410	Response = 3389	M
RT = 4.540	Response = 3797	M
RT = 4.920	Response = 5694	M



Manual Integration Results

RT = 4.193	Response = 5921	M
RT = 4.410	Response = 4217	M
RT = 4.539	Response = 4926	M
RT = 4.920	Response = 5970	M

Reviewer: eversd, 03-Aug-2015 11:09:44

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

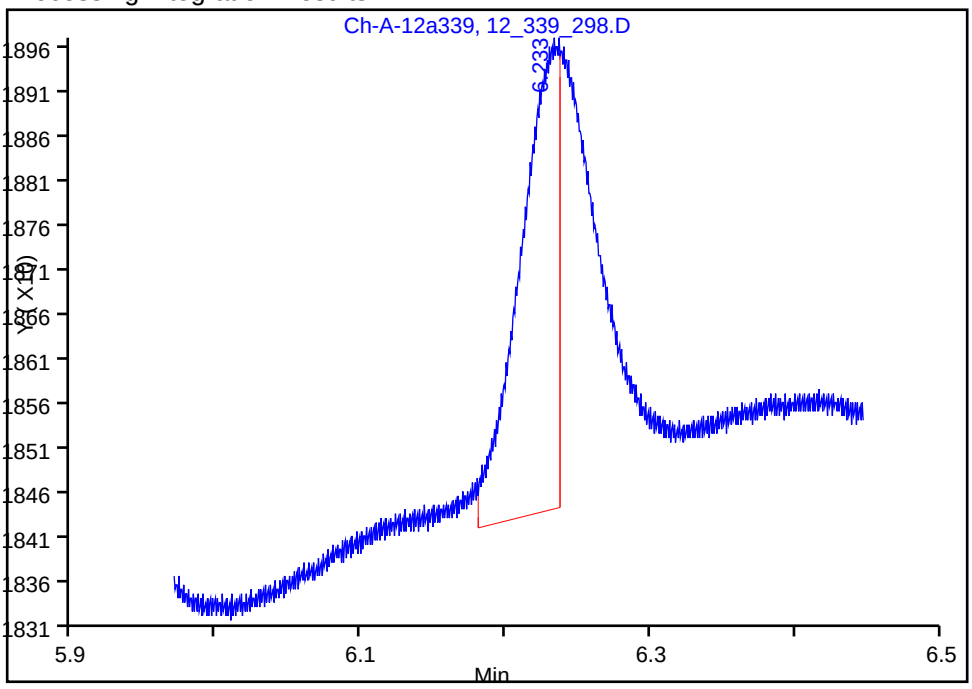
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

$ 12 DCB Decachlorobiphenyl, CAS: 2051-24-3

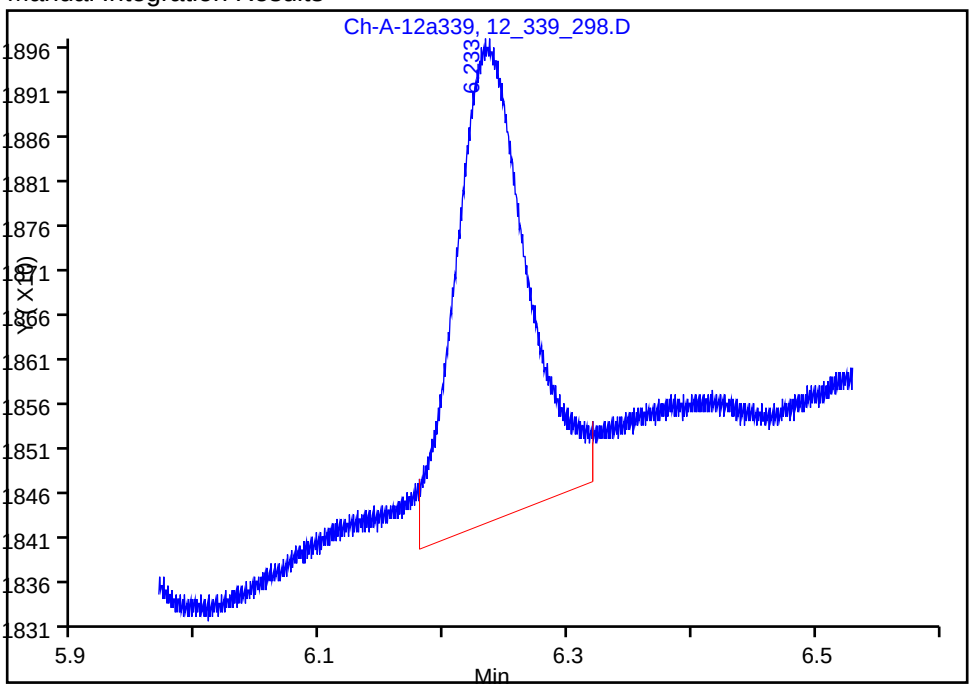
Processing Integration Results

RT: 6.23
Area: 968
Amount: 0.000309
Amount Units: ng/uL



Manual Integration Results

RT: 6.23
Area: 2145
Amount: 0.000618
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:09:44
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24328

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	1.973	1.973	1.975	1.975	1.976	1.971	1.967				1.945 - 2.005	1.973
PCB-1016 Peak 2	2.263	2.263	2.265	2.269	2.266	2.263	2.259				2.235 - 2.295	2.264
PCB-1016 Peak 3	2.373	2.375	2.375	2.379	2.379	2.375	2.372				2.345 - 2.405	2.375
PCB-1016 Peak 4	2.745	2.742	2.743	2.745	2.744	2.739	2.735				2.713 - 2.773	2.742
PCB-1260 Peak 1	4.057	4.056	4.055	4.053	4.054	4.053	4.056				4.025 - 4.085	4.055
PCB-1260 Peak 2	4.359	4.361	4.361	4.359	4.359	4.357	4.358				4.331 - 4.391	4.359
PCB-1260 Peak 3	4.499	4.498	4.497	4.496	4.495	4.493	4.495				4.467 - 4.527	4.496
PCB-1260 Peak 4	4.816	4.811	4.814	4.810	4.810	4.810	4.810				4.784 - 4.844	4.812
Tetrachloro-m-xylene	1.314	1.311	1.310	1.310	1.310	1.311	1.308				1.280 - 1.340	1.311
DCB Decachlorobiphenyl	5.686	5.687	5.687	5.683	5.682	5.683	5.683				5.657 - 5.717	5.684

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24328

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	122600 121630	123420 112700	125400 109034	121385	Ave		119452.643				5.1		20.0			
PCB-1016 Peak 2	141450 154010	139920 162627	141530 171653	140595	Ave		150254.929				8.5		20.0			
PCB-1016 Peak 3	78900 68388	66400 69030	68200 70981	67010	Ave		69844.1429				6.1		20.0			
PCB-1016 Peak 4	65750 77778	62320 80910	69830 84396	71600	Ave		73226.2143				11.1		20.0			
PCB-1260 Peak 1	157500 162350	142720 168339	145800 174767	148910	Ave		157197.929				7.6		20.0			
PCB-1260 Peak 2	112400 90172	91060 91614	84310 93605	86455	Ave		92802.2143				9.9		20.0			
PCB-1260 Peak 3	201350 221860	199460 226538	204540 230381	215050	Ave		214168.357				5.9		20.0			
PCB-1260 Peak 4	163900 189482	175960 197760	166610 205330	182795	Ave		183119.500				8.5		20.0			
Tetrachloro-m-xylene	1768000 1342960	1601600 1481360	1330400 1754600	1243400	Ave		1503188.57				14.0		20.0			
DCB Decachlorobiphenyl	3456000 2447760	2745600 2369880	2619200 2351680	2508200	Ave		2642617.14				14.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 13:14 Calibration End Date: 08/01/2015 14:43 Calibration ID: 24328

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/8	12_339_298.D
Level 2	IC 480-256564/7	12_339_297.D
Level 3	IC 480-256564/6	12_339_296.D
Level 4	IC 480-256564/5	12_339_295.D
Level 5	IC 480-256564/4	12_339_294.D
Level 6	IC 480-256564/3	12_339_293.D
Level 7	IC 480-256564/2	12_339_292.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	2452 112700	6171 218067	12540	24277	60815	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	2829 162627	6996 343305	14153	28119	77005	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	1578 69030	3320 141962	6820	13402	34194	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	1315 80910	3116 168791	6983	14320	38889	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	3150 168339	7136 349533	14580	29782	81175	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	2248 91614	4553 187209	8431	17291	45086	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	4027 226538	9973 460761	20454	43010	110930	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	3278 197760	8798 410659	16661	36559	94741	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	884 37034	2002 87730	3326	6217	16787	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	1728 59247	3432 117584	6548	12541	30597	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Aug-2015 13:14:05 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:44 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:04:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.685	1.687	-0.002	138093	0.0500	0.0492	
2	1.308	1.310	-0.002	87730	0.0500	0.0584	
						RPD = 17.00	
6 PCB-1016							
1	2.245	2.251	-0.006	223333	2.00	1.56	a
1	2.385	2.389	-0.004	140758	2.00	1.69	
1	2.582	2.587	-0.005	422766	2.00	1.77	
1	2.665	2.671	-0.006	171288	2.00	1.66	
		Average of Peak Amounts =				1.67	
2	1.967	1.975	-0.008	218067	2.00	1.83	a
2	2.259	2.265	-0.006	343305	2.00	2.28	
2	2.372	2.375	-0.003	141962	2.00	2.03	
2	2.735	2.743	-0.008	168791	2.00	2.31	
		Average of Peak Amounts =				2.11	
						RPD = 23.30	
9 PCB-1260							
1	4.189	4.191	-0.002	449085	2.00	1.75	
1	4.407	4.408	-0.001	421870	2.00	1.91	
1	4.535	4.538	-0.003	397263	2.00	1.79	
1	4.916	4.918	-0.002	570794	2.00	1.89	a
		Average of Peak Amounts =				1.83	
2	4.056	4.055	0.001	349533	2.00	2.22	a
2	4.358	4.361	-0.003	187209	2.00	2.02	a
2	4.495	4.497	-0.002	460761	2.00	2.15	a
2	4.810	4.814	-0.004	410659	2.00	2.24	a
		Average of Peak Amounts =				2.16	
						RPD = 16.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	147117	0.0500	0.0424	
2	5.683	5.687	-0.004	117584	0.0500	0.0445	
						RPD =	4.88

Reagents:

1660sur/is2.0_00002 Amount Added: 1.00 Units: mL

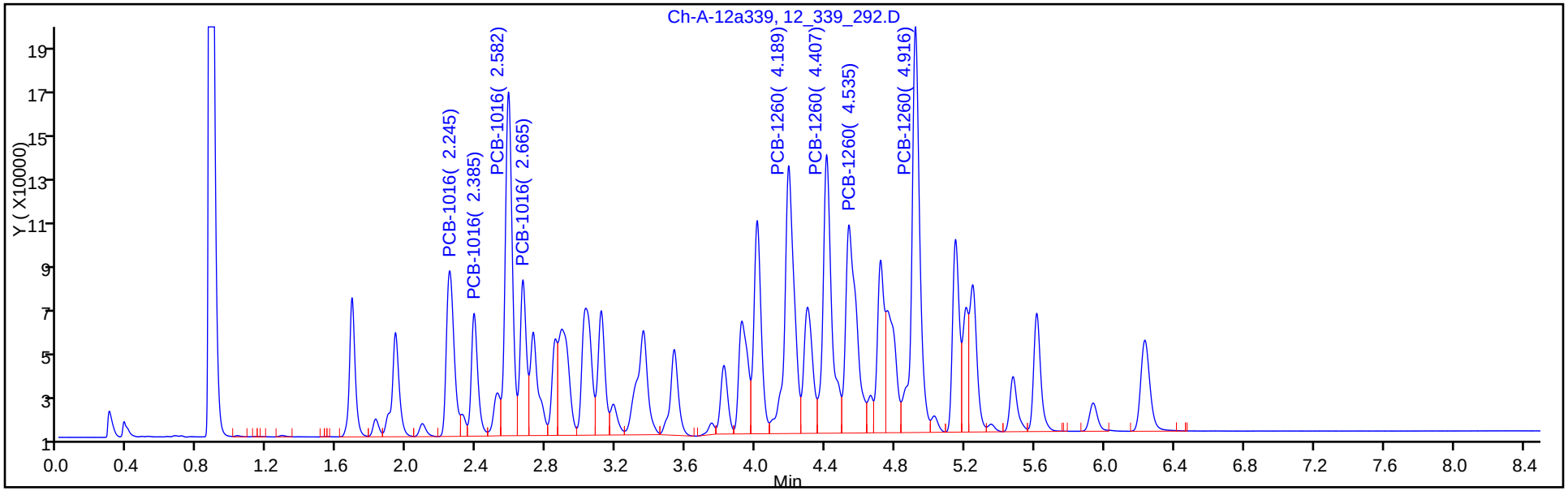
Report Date: 04-Aug-2015 09:07:45 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

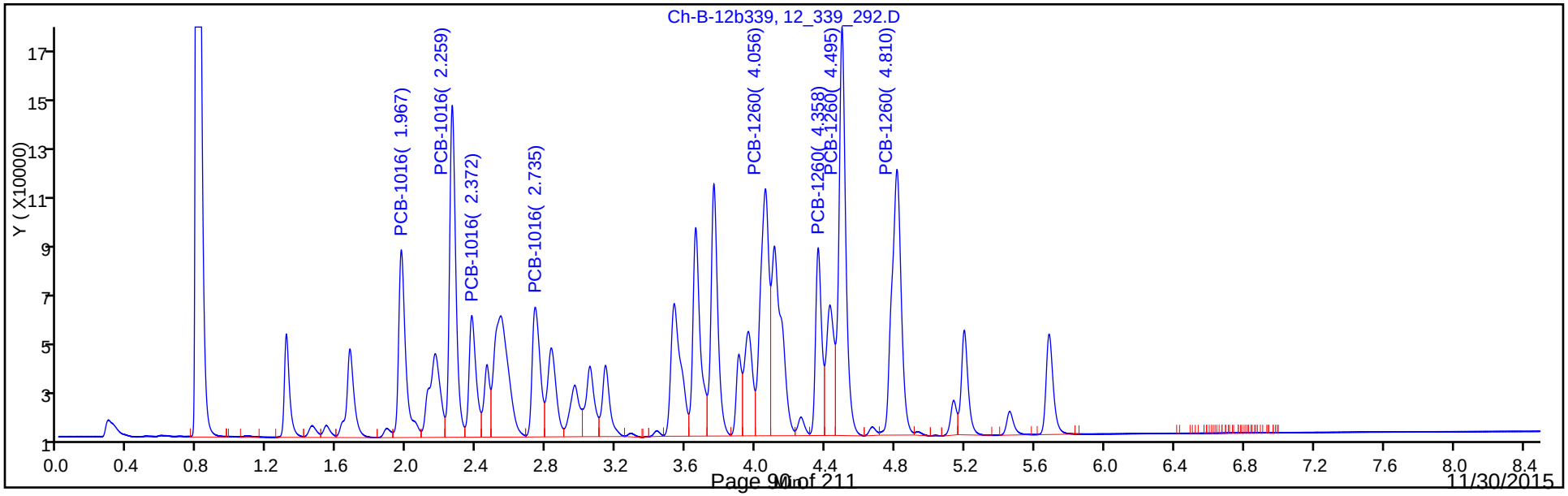
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_292.D

Injection Date:	01-Aug-2015 13:14:05	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 01-Aug-2015 13:29:01 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:46 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:06:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.687	1.687	0.000	67507	0.0250	0.0241	M
2	1.311	1.310	0.001	37034	0.0250	0.0246	
						RPD = 2.36	
6 PCB-1016							M
1	2.249	2.251	-0.002	123446	1.00	0.8649	M
1	2.387	2.389	-0.002	73031	1.00	0.8783	M
1	2.585	2.587	-0.002	217812	1.00	0.9124	M
1	2.668	2.671	-0.003	89290	1.00	0.8636	M
		Average of Peak Amounts =				0.8798	
2	1.971	1.975	-0.004	112700	1.00	0.9435	
2	2.263	2.265	-0.002	162627	1.00	1.08	
2	2.375	2.375	0.000	69030	1.00	0.9883	
2	2.739	2.743	-0.004	80910	1.00	1.10	
		Average of Peak Amounts =				1.03	
						RPD = 15.71	
9 PCB-1260							M
1	4.187	4.191	-0.004	237940	1.00	0.9254	M
1	4.405	4.408	-0.003	217627	1.00	0.9841	M
1	4.533	4.538	-0.005	207002	1.00	0.9319	M
1	4.915	4.918	-0.003	294371	1.00	0.9765	M
		Average of Peak Amounts =				0.9545	
2	4.053	4.055	-0.002	168339	1.00	1.07	
2	4.357	4.361	-0.004	91614	1.00	0.9872	
2	4.493	4.497	-0.004	226538	1.00	1.06	
2	4.810	4.814	-0.004	197760	1.00	1.08	
		Average of Peak Amounts =				1.05	
						RPD = 9.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.235	-0.003	75450	0.0250	0.0217	
2	5.683	5.687	-0.004	59247	0.0250	0.0224	
						RPD = 3.11	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00003 Amount Added: 1.00 Units: mL

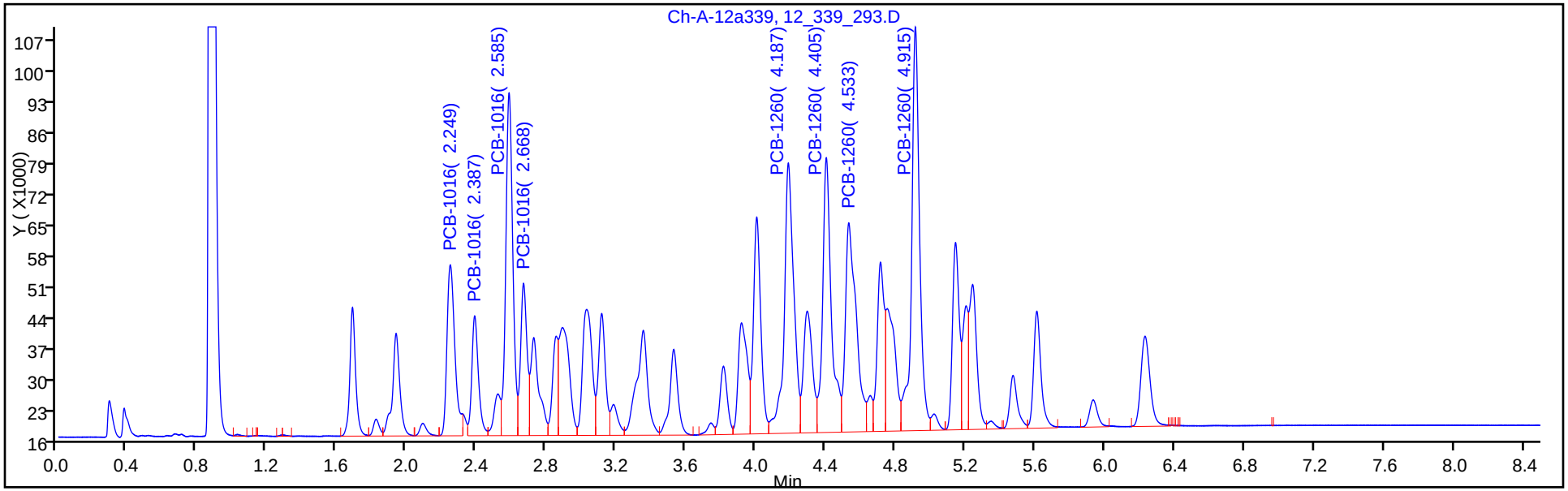
Report Date: 04-Aug-2015 09:07:48 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

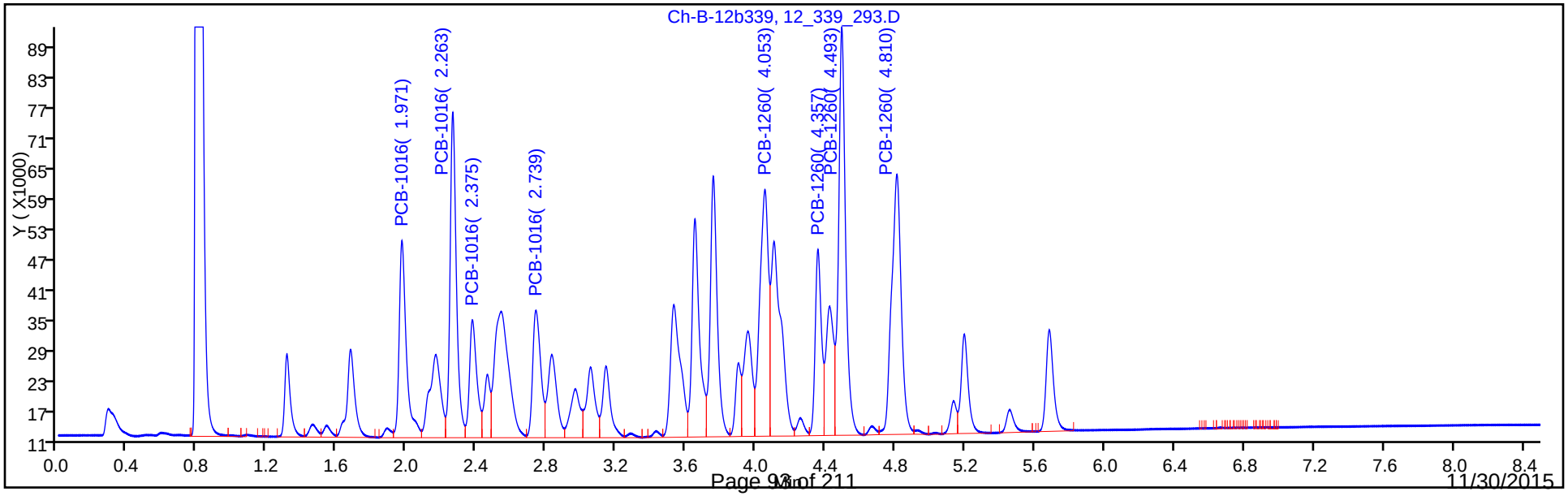
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_293.D

Injection Date:	01-Aug-2015 13:29:01	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Aug-2015 13:43:59 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:49 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.689	1.689	0.000	34255	0.0125	0.0122	
2	1.310	1.310	0.000	16787	0.0125	0.0112	
						RPD = 8.91	
6 PCB-1016							
1	2.251	2.251	0.000	70222	0.5000	0.4920	
1	2.391	2.391	0.000	37915	0.5000	0.4560	
1	2.588	2.588	0.000	112946	0.5000	0.4731	
1	2.671	2.671	0.000	46641	0.5000	0.4511	
		Average of Peak Amounts =				0.4681	
2	1.976	1.976	0.000	60815	0.5000	0.5091	
2	2.266	2.266	0.000	77005	0.5000	0.5125	
2	2.379	2.379	0.000	34194	0.5000	0.4896	
2	2.744	2.744	0.000	38889	0.5000	0.5311	
		Average of Peak Amounts =				0.5106	
						RPD = 8.69	
9 PCB-1260							
1	4.189	4.189	0.000	120829	0.5000	0.4699	
1	4.407	4.407	0.000	109256	0.5000	0.4941	
1	4.535	4.535	0.000	105884	0.5000	0.4767	
1	4.916	4.916	0.000	150626	0.5000	0.4997	
		Average of Peak Amounts =				0.4851	
2	4.054	4.054	0.000	81175	0.5000	0.5164	
2	4.359	4.359	0.000	45086	0.5000	0.4858	
2	4.495	4.495	0.000	110930	0.5000	0.5180	
2	4.810	4.810	0.000	94741	0.5000	0.5174	
		Average of Peak Amounts =				0.5094	
						RPD = 4.89	
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.231	0.000	39770	0.0125	0.0115	
2	5.682	5.682	0.000	30597	0.0125	0.0116	
						RPD = 1.06	

Reagents:

1660sur/is0.5_00002 Amount Added: 1.00 Units: mL

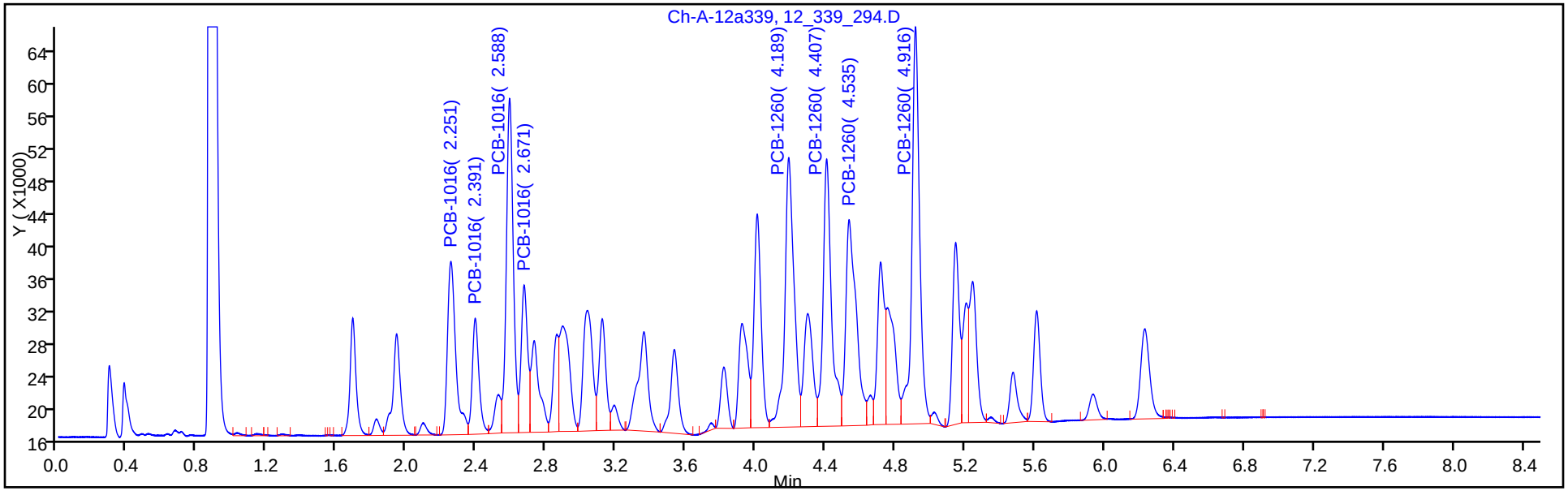
Report Date: 04-Aug-2015 09:07:50 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

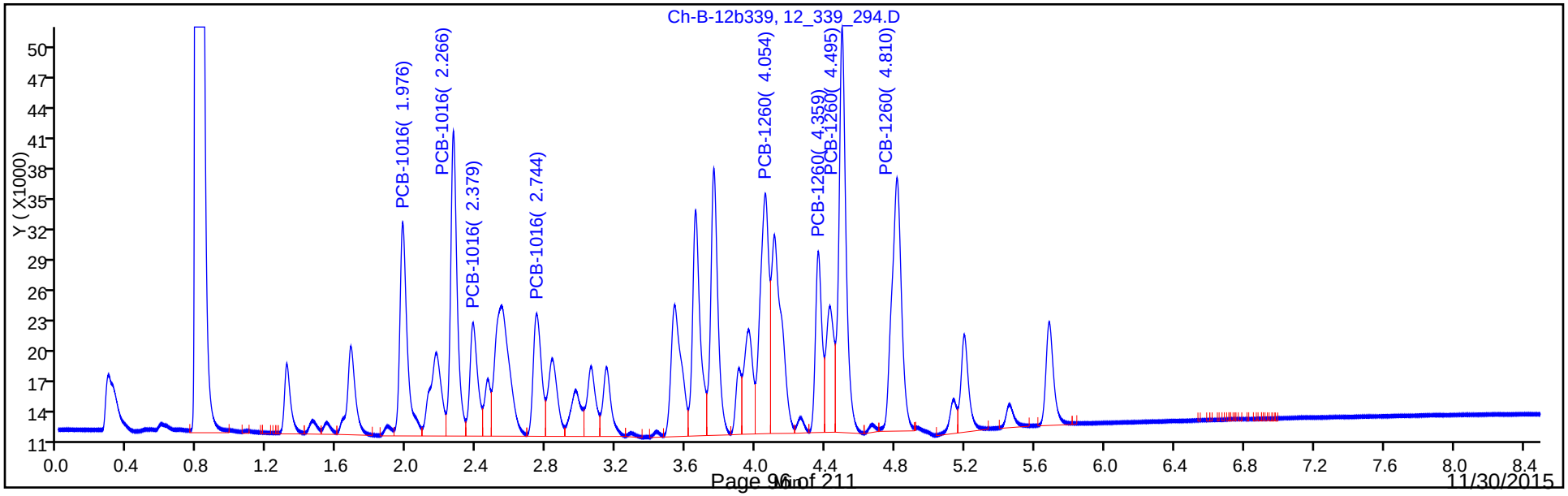
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_294.D

Injection Date:	01-Aug-2015 13:43:59	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Aug-2015 13:58:50 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:52 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.688	1.689	-0.001	13547	0.005000	0.004829	
2	1.310	1.310	0.000	6217	0.005000	0.004136	
						RPD = 15.45	
6 PCB-1016							M
1	2.255	2.251	0.004	28555	0.2000	0.2001	M
1	2.391	2.391	0.000	16027	0.2000	0.1927	M
1	2.589	2.588	0.001	47074	0.2000	0.1972	M
1	2.671	2.671	0.000	20261	0.2000	0.1960	M
		Average of Peak Amounts =				0.1965	
2	1.975	1.976	-0.001	24277	0.2000	0.2032	M
2	2.269	2.266	0.003	28119	0.2000	0.1871	M
2	2.379	2.379	0.000	13402	0.2000	0.1919	M
2	2.745	2.744	0.001	14320	0.2000	0.1956	M
		Average of Peak Amounts =				0.1945	
						RPD = 1.04	
9 PCB-1260							M
1	4.189	4.189	0.000	52752	0.2000	0.2052	M
1	4.407	4.407	0.000	45863	0.2000	0.2074	M
1	4.535	4.535	0.000	45040	0.2000	0.2028	M
1	4.916	4.916	0.000	62812	0.2000	0.2084	M
		Average of Peak Amounts =				0.2059	
2	4.053	4.054	-0.001	29782	0.2000	0.1895	M
2	4.359	4.359	0.000	17291	0.2000	0.1863	M
2	4.496	4.495	0.001	43010	0.2000	0.2008	M
2	4.810	4.810	0.000	36559	0.2000	0.1996	M
		Average of Peak Amounts =				0.1941	
						RPD = 5.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.232	6.231	0.001	16748	0.005000	0.004824	
2	5.683	5.682	0.001	12541	0.005000	0.004746	
						RPD = 1.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00002 Amount Added: 1.00 Units: mL

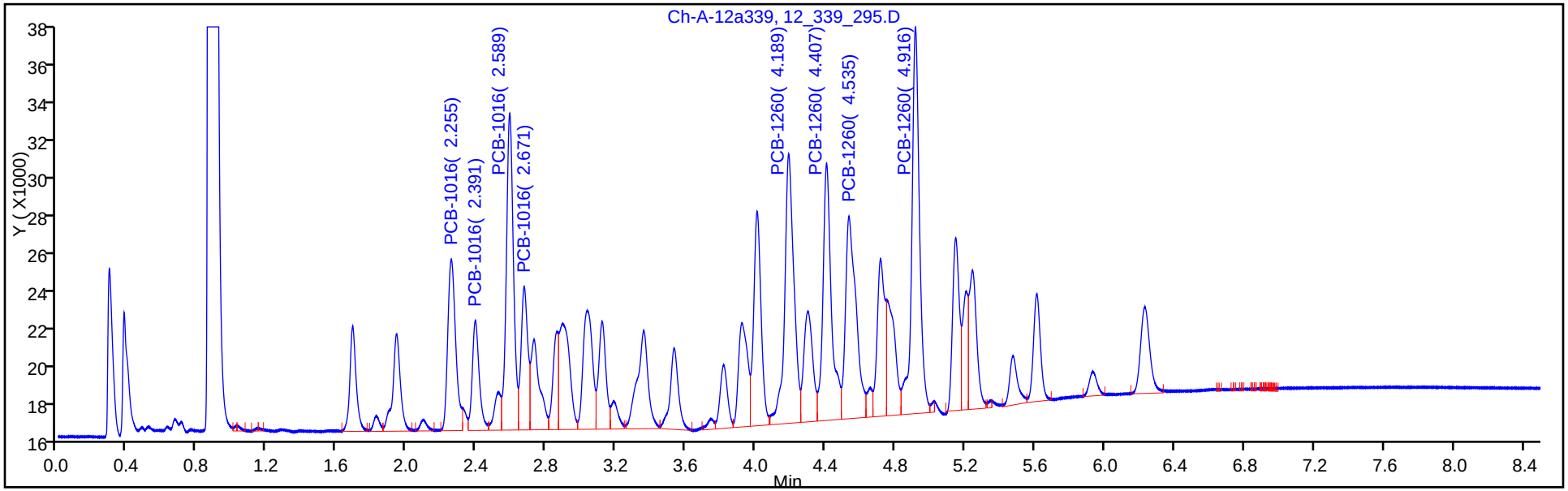
Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

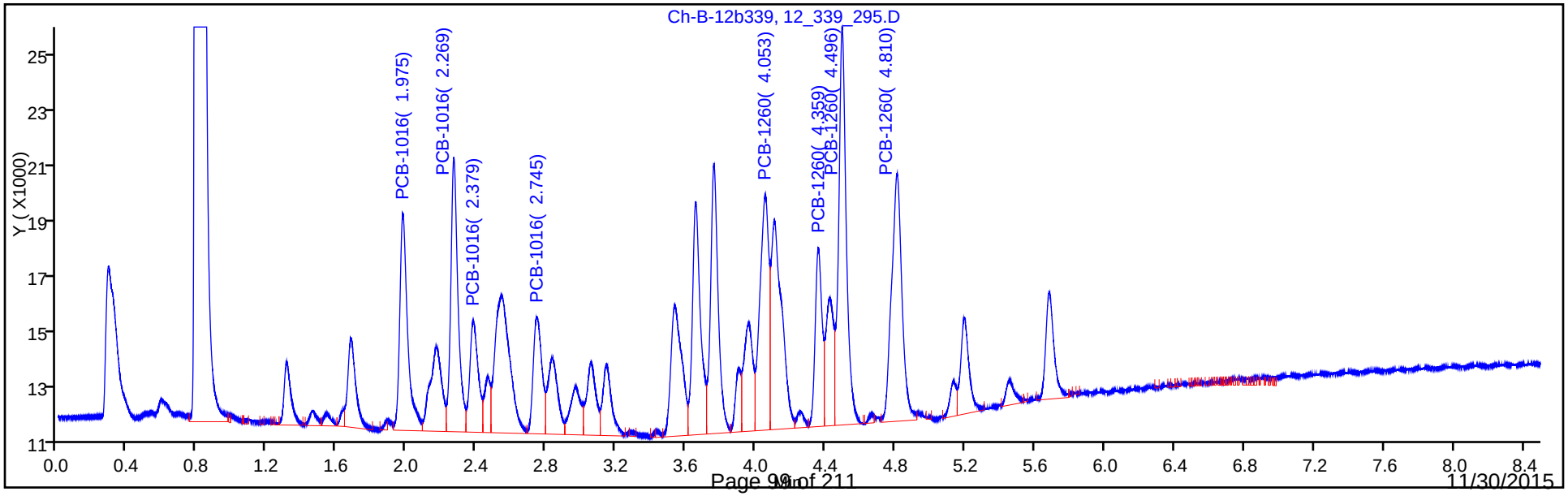
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date:	01-Aug-2015 13:58:50	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date: 01-Aug-2015 13:58:50 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

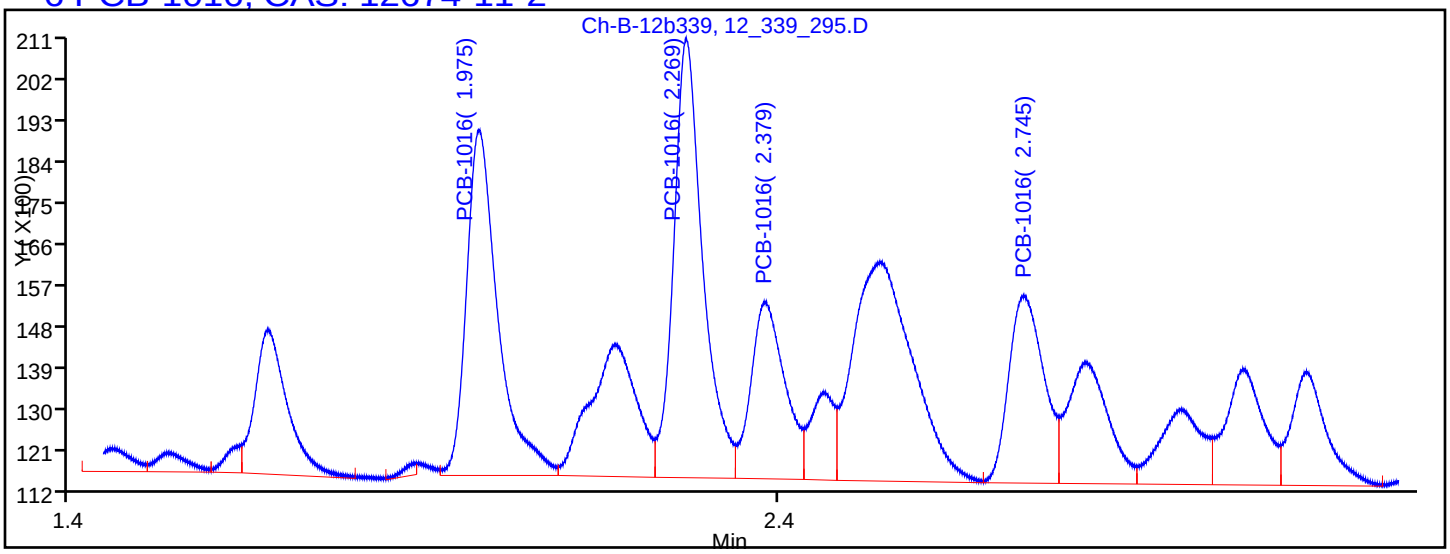
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

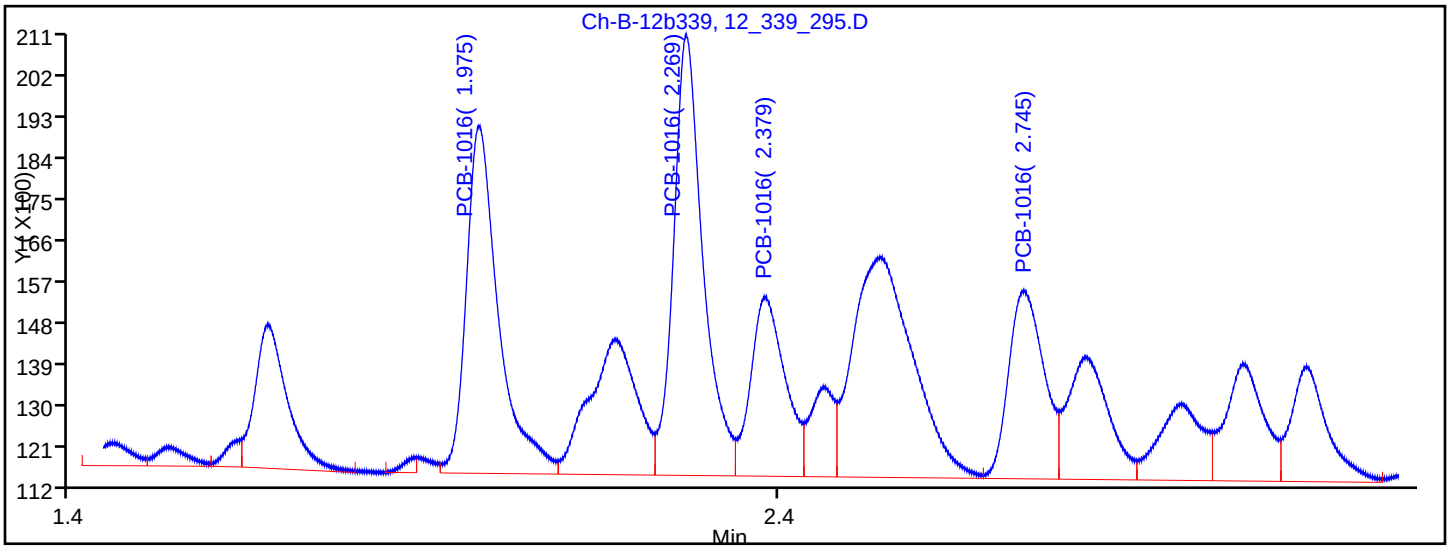
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.975	Response = 23417	M
RT = 2.269	Response = 27589	M
RT = 2.379	Response = 12988	M
RT = 2.745	Response = 14096	M



Manual Integration Results

RT = 1.975	Response = 24277	M
RT = 2.269	Response = 28119	M
RT = 2.379	Response = 13402	M
RT = 2.745	Response = 14320	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:07:53 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_295.D

Injection Date: 01-Aug-2015 13:58:50 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

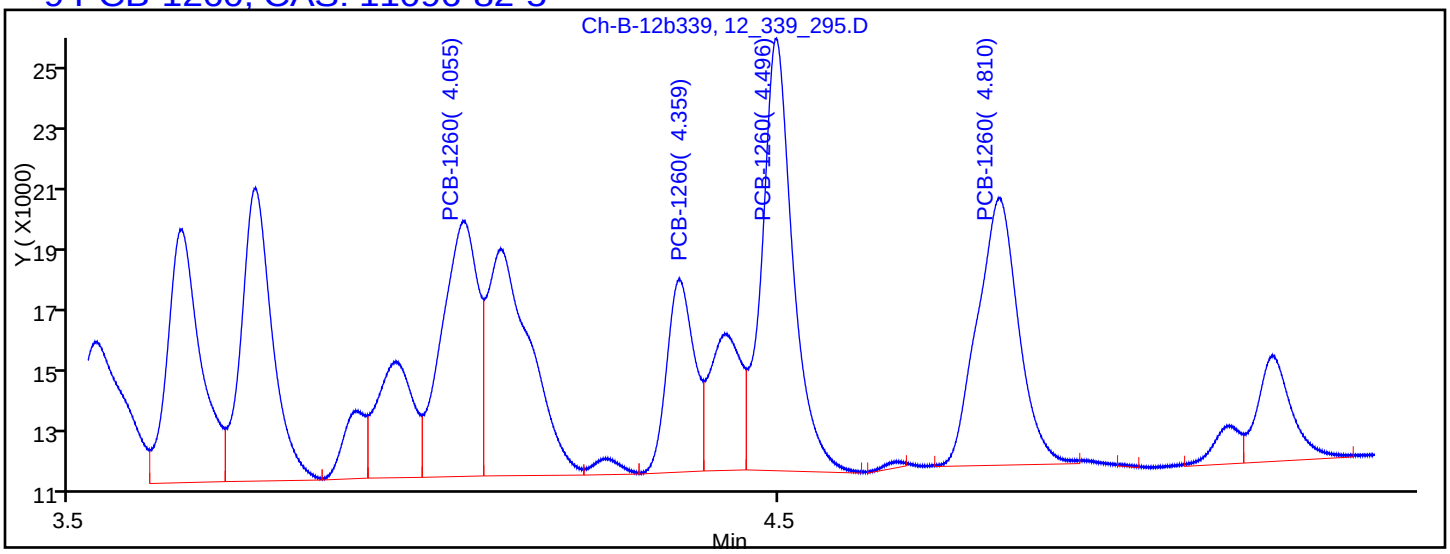
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

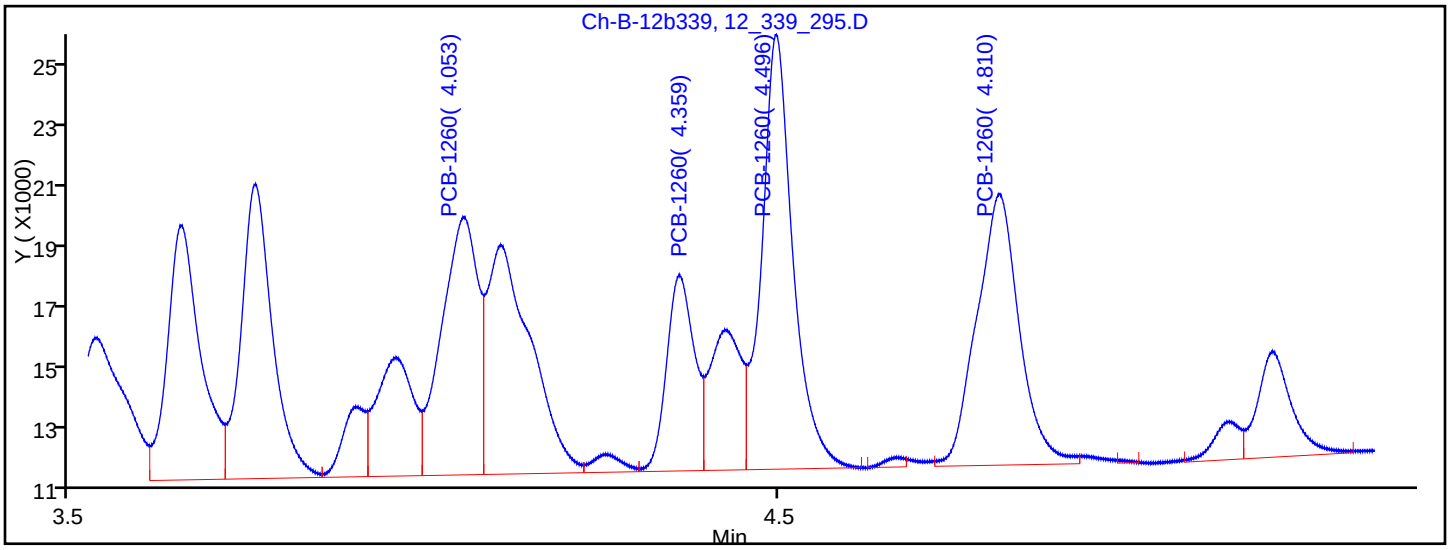
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.055	Response = 29335	M
RT = 4.359	Response = 16795	M
RT = 4.496	Response = 42561	M
RT = 4.810	Response = 34902	M



Manual Integration Results

RT = 4.053	Response = 29782	M
RT = 4.359	Response = 17291	M
RT = 4.496	Response = 43010	M
RT = 4.810	Response = 36559	M

Reviewer: eversd, 03-Aug-2015 11:07:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 01-Aug-2015 14:13:48 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:55 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:07:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.687	1.687	0.000	7118	0.002500	0.002537	
2	1.310	1.310	0.000	3326	0.002500	0.002213	
						RPD = 13.66	
6 PCB-1016							
1	2.251	2.251	0.000	14782	0.1000	0.1036	
1	2.389	2.389	0.000	8067	0.1000	0.0970	
1	2.587	2.587	0.000	23909	0.1000	0.1002	
1	2.671	2.671	0.000	11552	0.1000	0.1117	
		Average of Peak Amounts =				0.1031	
2	1.975	1.975	0.000	12540	0.1000	0.1050	
2	2.265	2.265	0.000	14153	0.1000	0.0942	
2	2.375	2.375	0.000	6820	0.1000	0.0976	
2	2.743	2.743	0.000	6983	0.1000	0.0954	
		Average of Peak Amounts =				0.0980	
						RPD = 5.04	
9 PCB-1260							M
1	4.191	4.191	0.000	26362	0.1000	0.1025	M
1	4.408	4.408	0.000	22845	0.1000	0.1033	M
1	4.538	4.538	0.000	23056	0.1000	0.1038	M
1	4.918	4.918	0.000	30590	0.1000	0.1015	M
		Average of Peak Amounts =				0.1028	
2	4.055	4.055	0.000	14580	0.1000	0.0927	M
2	4.361	4.361	0.000	8431	0.1000	0.0908	M
2	4.497	4.497	0.000	20454	0.1000	0.0955	M
2	4.814	4.814	0.000	16661	0.1000	0.0910	
		Average of Peak Amounts =				0.0925	
						RPD = 10.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.235	6.235	0.000	8492	0.002500	0.002446	
2	5.687	5.687	0.000	6548	0.002500	0.002478	
						RPD = 1.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00002 Amount Added: 1.00 Units: mL

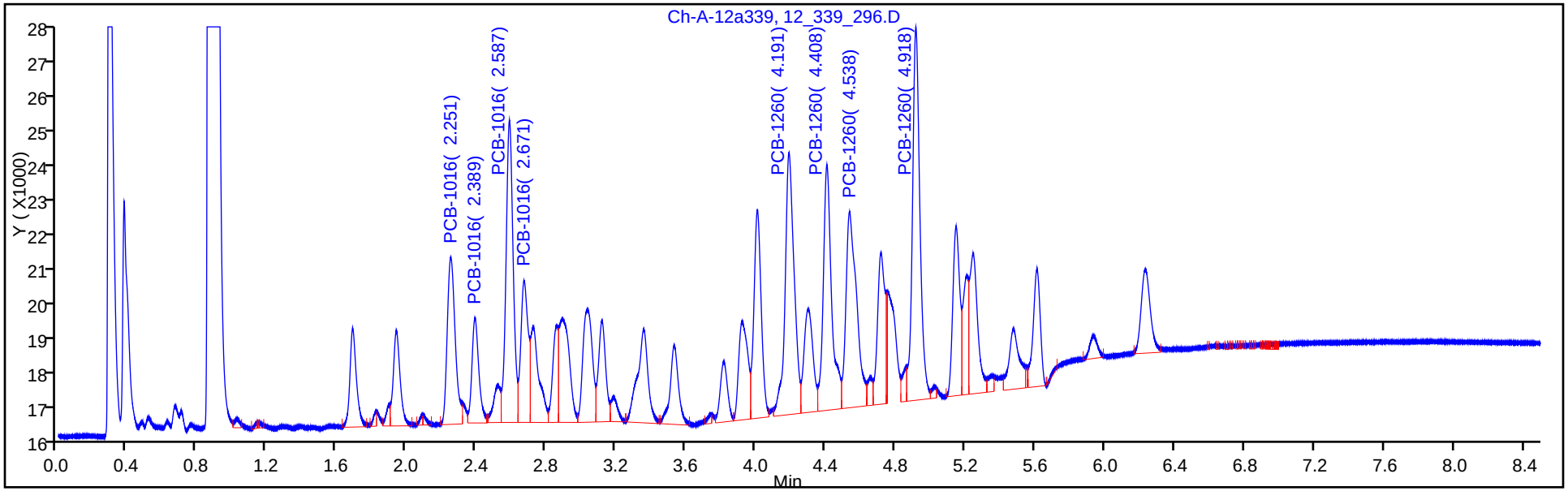
Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

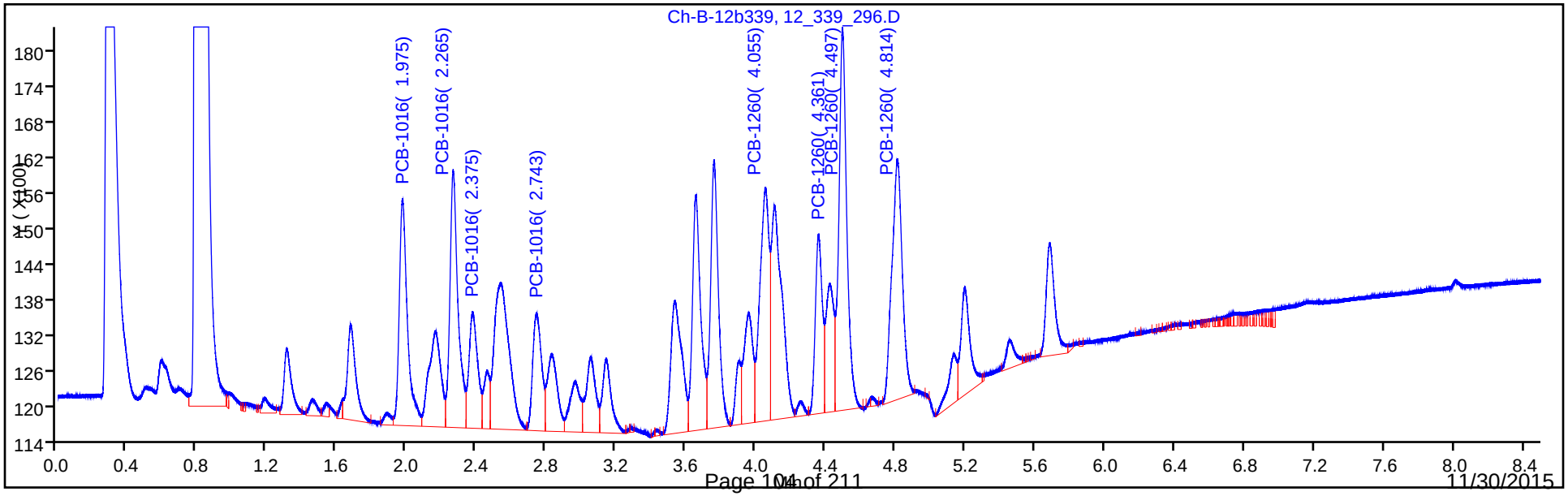
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date:	01-Aug-2015 14:13:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 04-Aug-2015 09:07:56 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_296.D

Injection Date: 01-Aug-2015 14:13:48 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

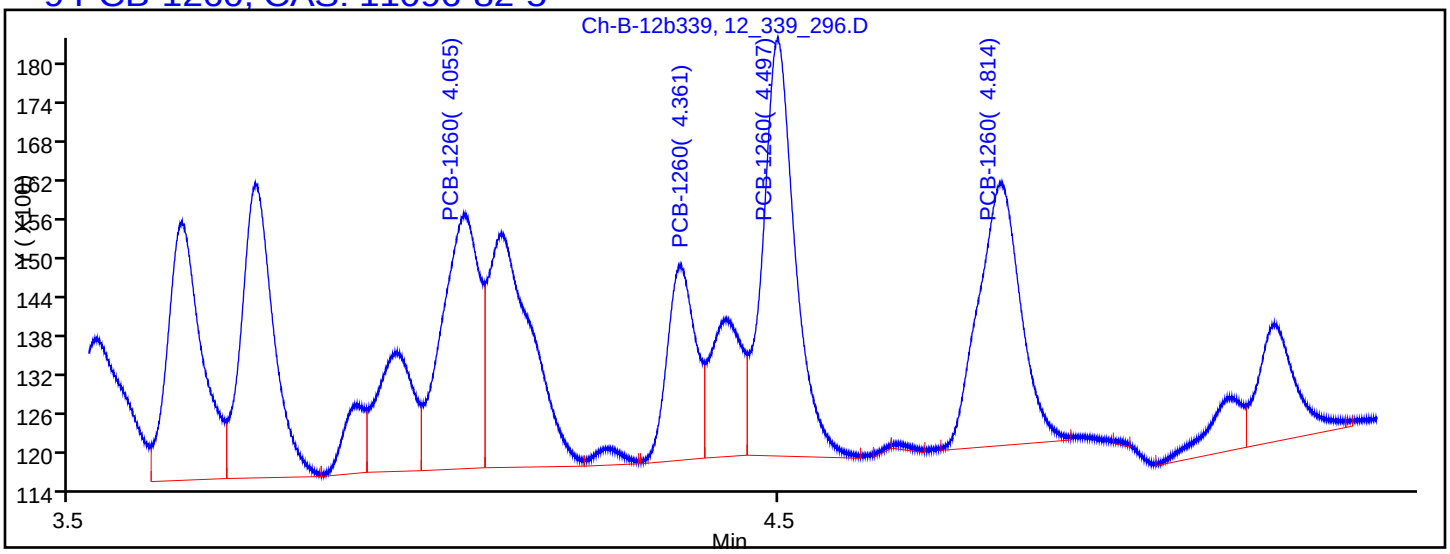
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

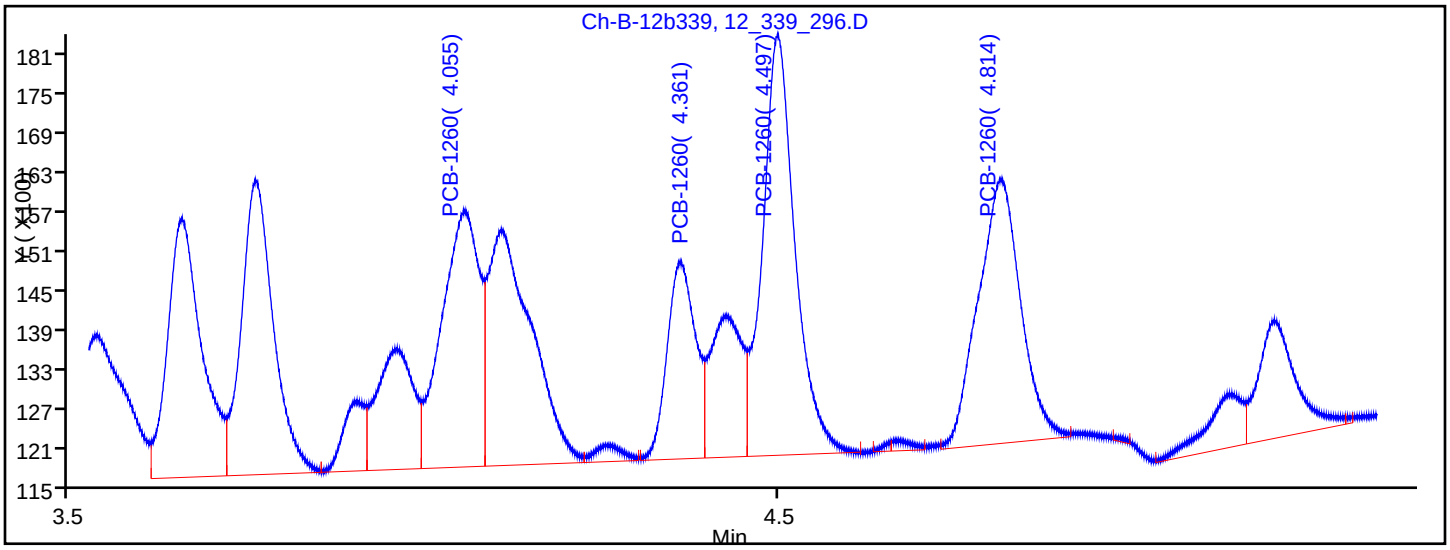
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.055	Response = 14462	M
RT = 4.361	Response = 8303	M
RT = 4.497	Response = 20329	M
RT = 4.814	Response = 16661	



Manual Integration Results

RT = 4.055	Response = 14580	M
RT = 4.361	Response = 8431	M
RT = 4.497	Response = 20454	M
RT = 4.814	Response = 16661	

Reviewer: eversd, 03-Aug-2015 11:07:50

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 14:28:46 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:07:58 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:08:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.689	1.687	0.002	3550	0.001250	0.001265	M
2	1.311	1.310	0.001	2002	0.001250	0.001332	
						RPD = 5.12	
6 PCB-1016							M
1	2.249	2.251	-0.002	7544	0.0500	0.0529	M
1	2.389	2.389	0.000	4350	0.0500	0.0523	M
1	2.586	2.587	-0.001	12565	0.0500	0.0526	M
1	2.671	2.671	0.000	6391	0.0500	0.0618	M
		Average of Peak Amounts =				0.0549	
2	1.973	1.975	-0.002	6171	0.0500	0.0517	M
2	2.263	2.265	-0.002	6996	0.0500	0.0466	M
2	2.375	2.375	0.000	3320	0.0500	0.0475	M
2	2.742	2.743	-0.001	3116	0.0500	0.0426	
		Average of Peak Amounts =				0.0471	
						RPD = 15.35	
9 PCB-1260							M
1	4.190	4.191	-0.001	13617	0.0500	0.0530	M
1	4.407	4.408	-0.001	11612	0.0500	0.0525	M
1	4.535	4.538	-0.003	11774	0.0500	0.0530	M
1	4.917	4.918	-0.001	15530	0.0500	0.0515	M
		Average of Peak Amounts =				0.0525	
2	4.056	4.055	0.001	7136	0.0500	0.0454	M
2	4.361	4.361	0.000	4553	0.0500	0.0491	M
2	4.498	4.497	0.001	9973	0.0500	0.0466	M
2	4.811	4.814	-0.003	8798	0.0500	0.0480	M
		Average of Peak Amounts =				0.0473	
						RPD = 10.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.231	6.235	-0.004	5154	0.001250	0.001485	
2	5.687	5.687	0.000	3432	0.001250	0.001299	
						RPD = 13.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00002 Amount Added: 1.00 Units: mL

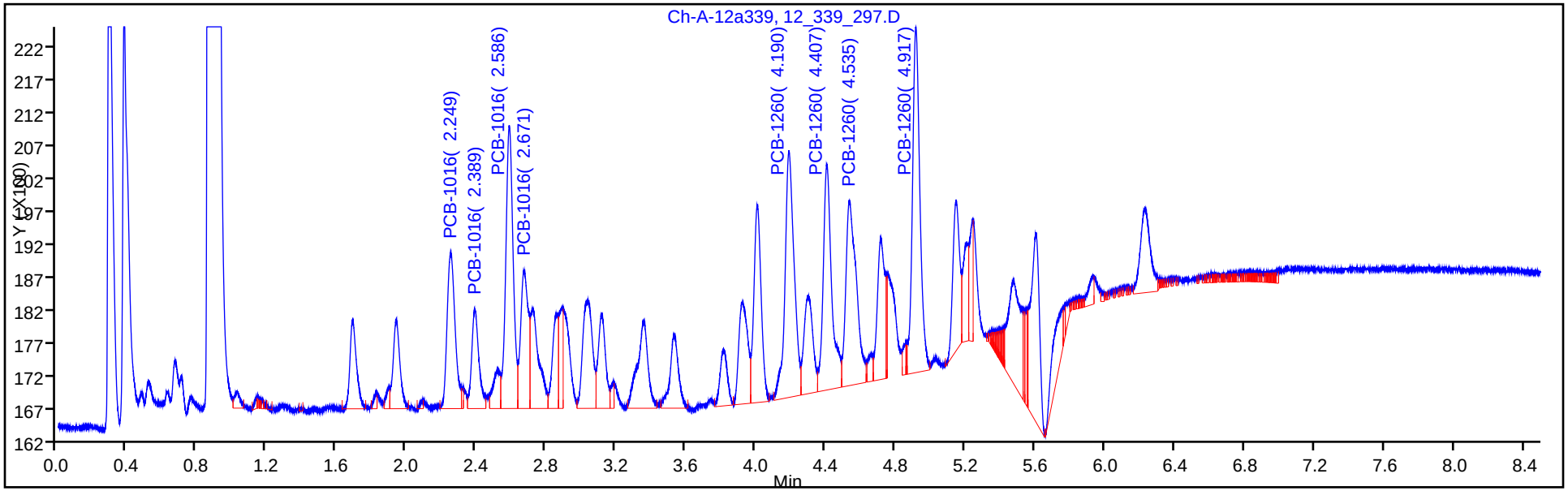
Report Date: 04-Aug-2015 09:08:00 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

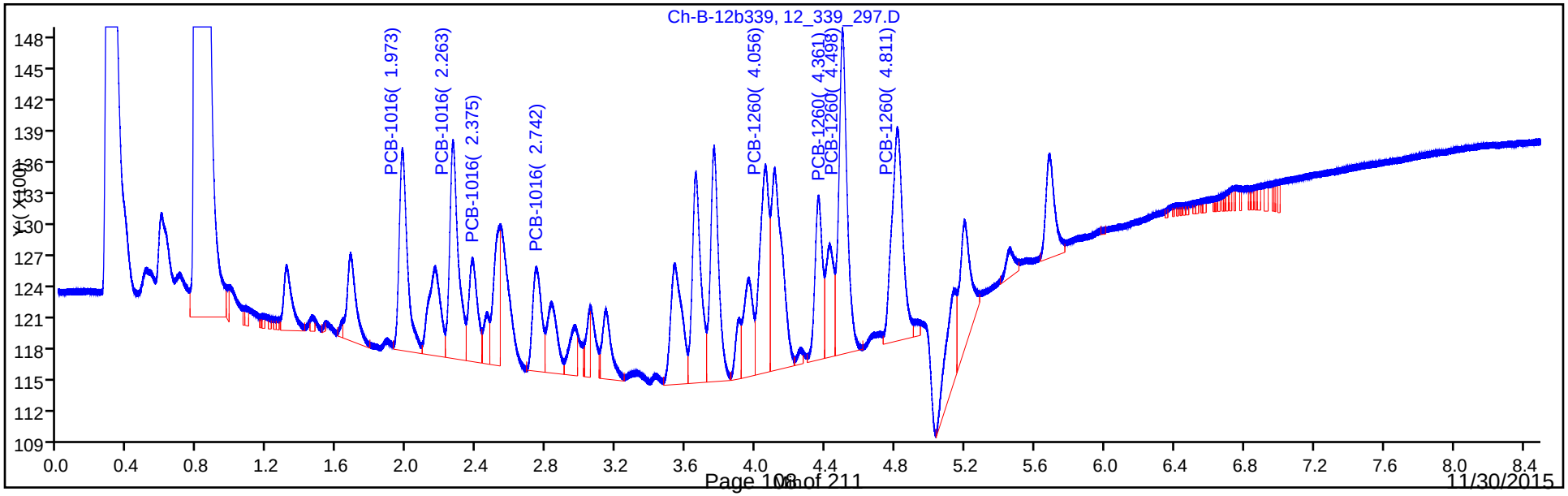
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date:	01-Aug-2015 14:28:46	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



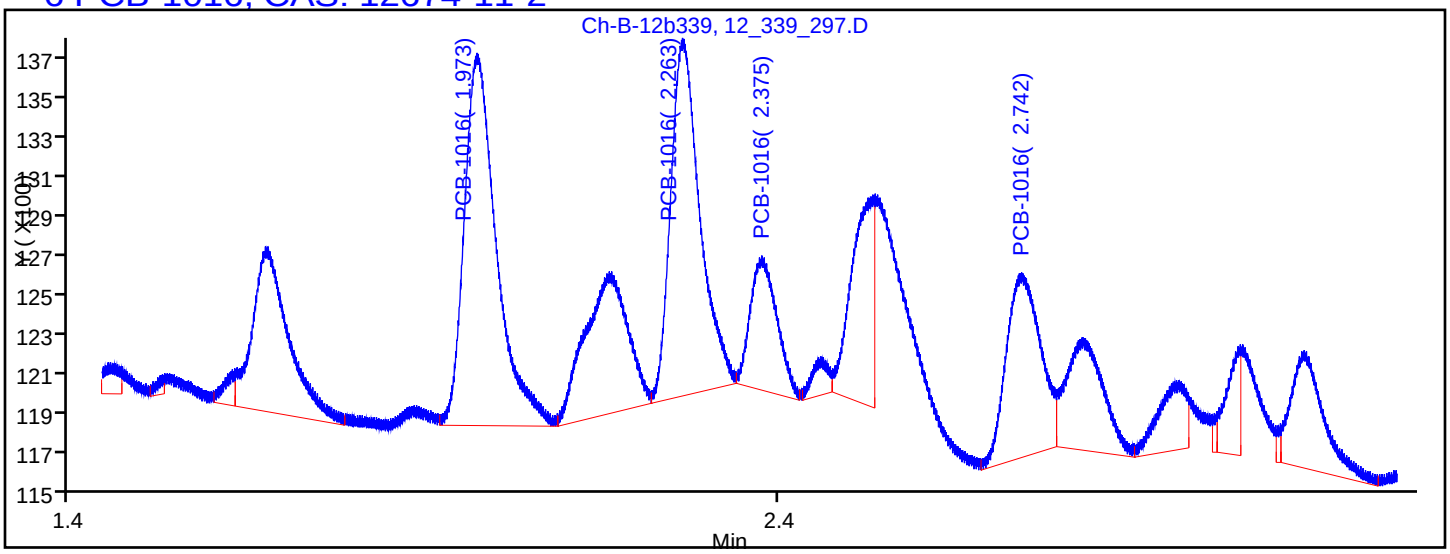
Report Date: 04-Aug-2015 09:08:00 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

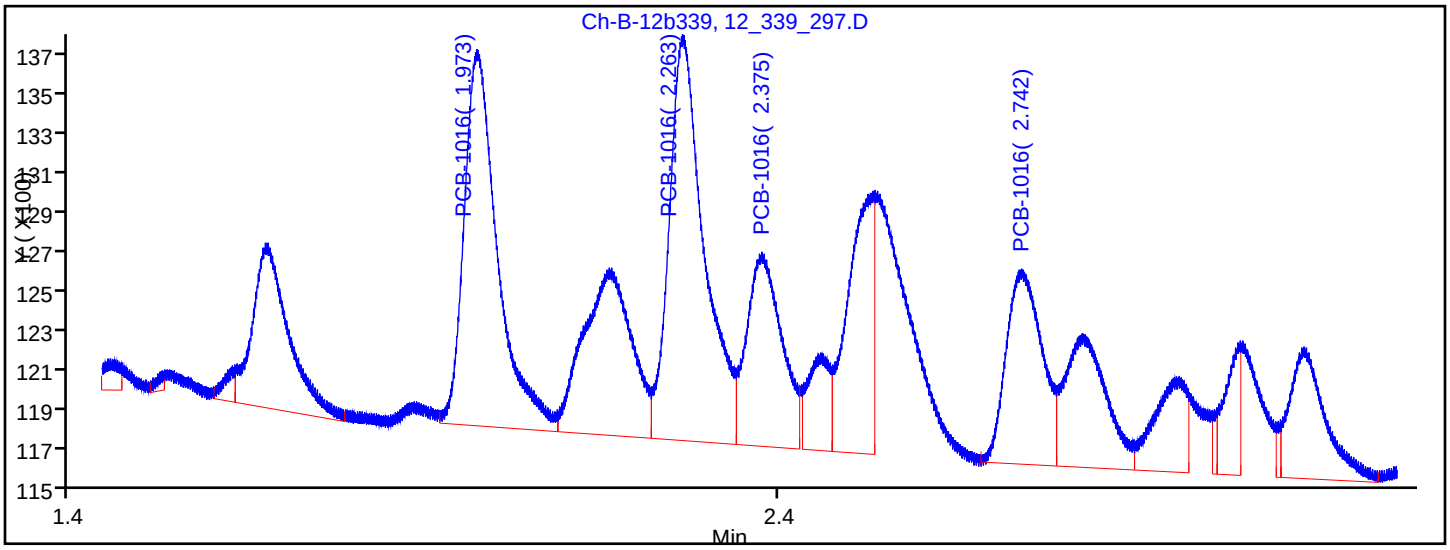
Injection Date:	01-Aug-2015 14:28:46	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.973	Response = 5901	M
RT = 2.263	Response = 5128	M
RT = 2.375	Response = 1744	M
RT = 2.742	Response = 3116	



Manual Integration Results

RT = 1.973	Response = 6171	M
RT = 2.263	Response = 6996	M
RT = 2.375	Response = 3320	M
RT = 2.742	Response = 3116	

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

Report Date: 04-Aug-2015 09:08:00 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_297.D

Injection Date: 01-Aug-2015 14:28:46 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

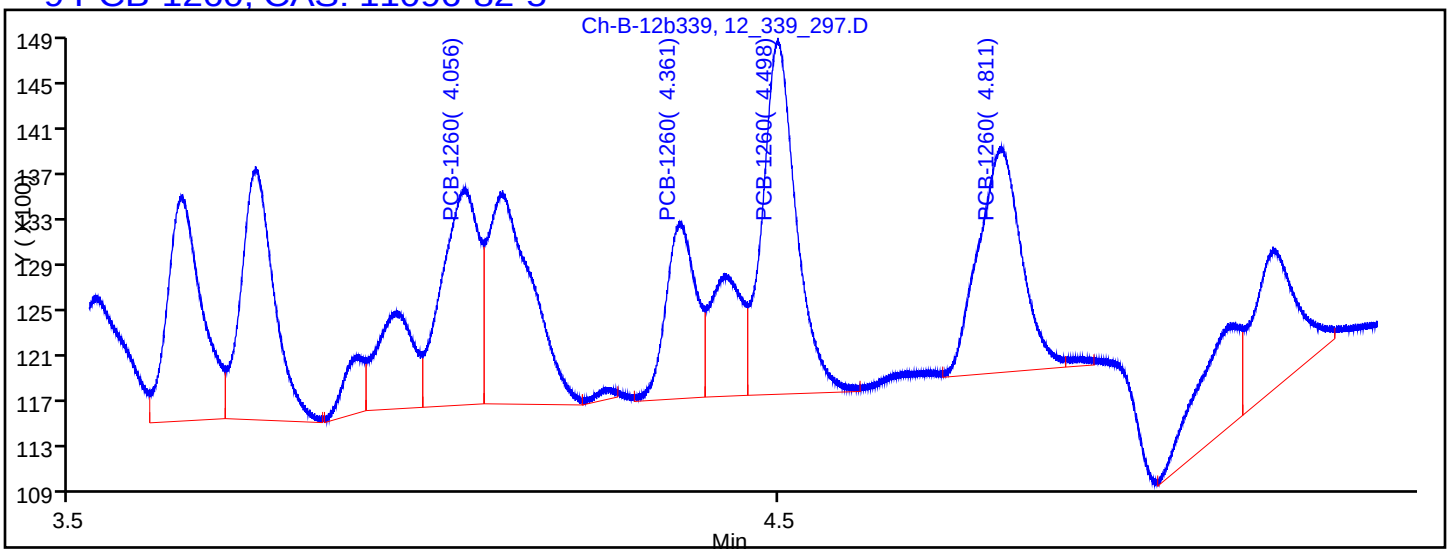
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

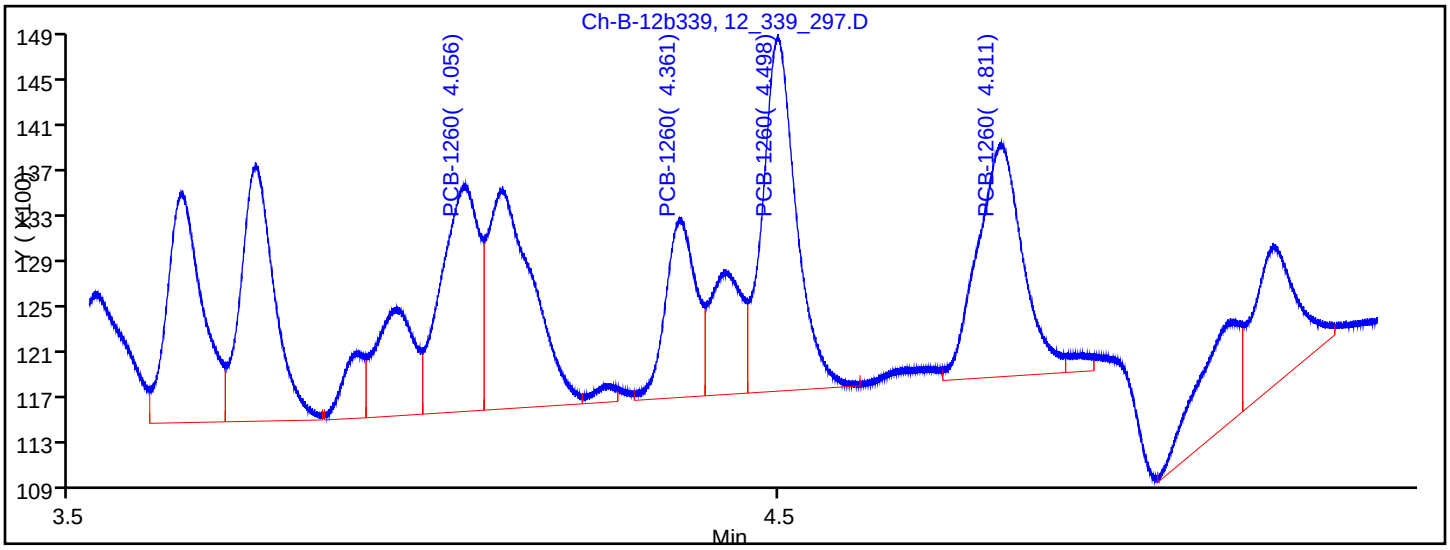
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.056	Response = 6679	M
RT = 4.361	Response = 4421	M
RT = 4.498	Response = 9987	M
RT = 4.811	Response = 8085	M



Manual Integration Results

RT = 4.056	Response = 7136	M
RT = 4.361	Response = 4553	M
RT = 4.498	Response = 9973	M
RT = 4.811	Response = 8798	M

Reviewer: eversd, 03-Aug-2015 11:08:29

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Aug-2015 14:43:45 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:03 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 11:09:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							M
1	1.692	1.687	0.005	1520	0.000500	0.000542	
2	1.314	1.310	0.004	884	0.000500	0.000588	M
						RPD = 8.20	
6 PCB-1016							M
1	2.251	2.251	0.000	3642	0.0200	0.0255	M
1	2.391	2.389	0.002	2300	0.0200	0.0277	M
1	2.589	2.587	0.002	5803	0.0200	0.0243	M
1	2.684	2.671	0.013	2217	0.0200	0.0214	M
		Average of Peak Amounts =				0.0247	
2	1.973	1.975	-0.002	2452	0.0200	0.0205	M
2	2.263	2.265	-0.002	2829	0.0200	0.0188	M
2	2.373	2.375	-0.002	1578	0.0200	0.0226	M
2	2.745	2.743	0.002	1315	0.0200	0.0180	
		Average of Peak Amounts =				0.0200	
						RPD = 21.28	
9 PCB-1260							M
1	4.193	4.191	0.002	5921	0.0200	0.0230	M
1	4.410	4.408	0.002	4217	0.0200	0.0191	M
1	4.539	4.538	0.001	4926	0.0200	0.0222	M
1	4.920	4.918	0.002	5970	0.0200	0.0198	M
		Average of Peak Amounts =				0.0210	
2	4.057	4.055	0.002	3150	0.0200	0.0200	M
2	4.359	4.361	-0.002	2248	0.0200	0.0242	M
2	4.499	4.497	0.002	4027	0.0200	0.0188	M
2	4.816	4.814	0.002	3278	0.0200	0.0179	
		Average of Peak Amounts =				0.0202	
						RPD = 3.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							M
1	6.233	6.235	-0.002	2145	0.000500	0.000618	M
2	5.686	5.687	-0.001	1728	0.000500	0.000654	
						RPD = 5.67	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00002 Amount Added: 1.00 Units: mL

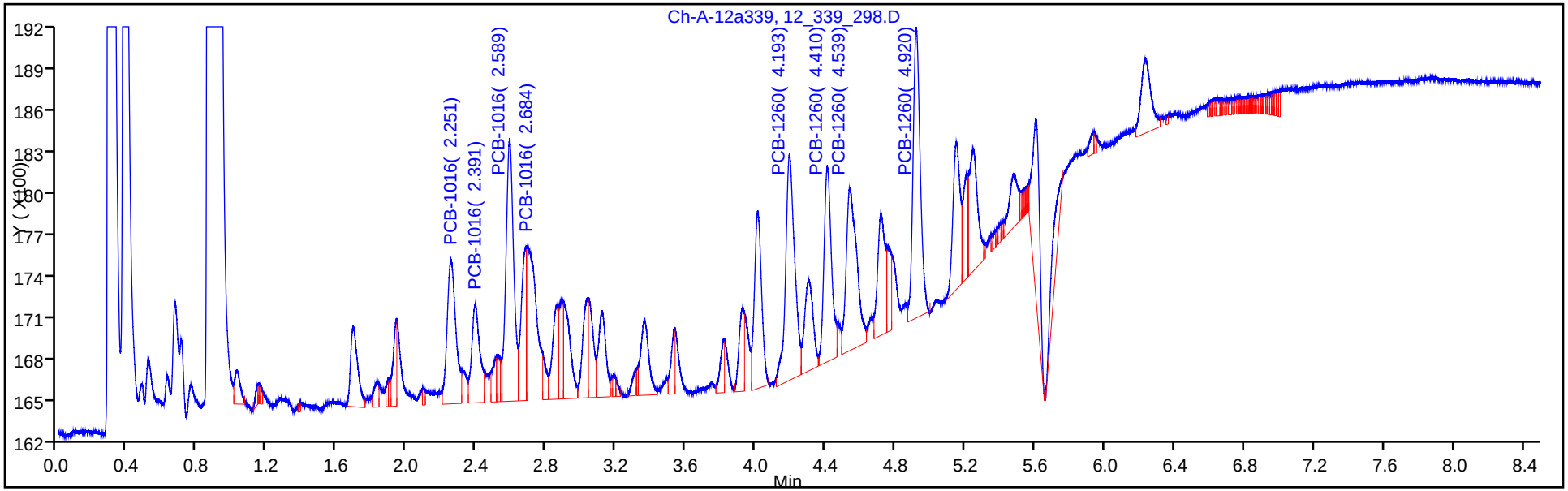
Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

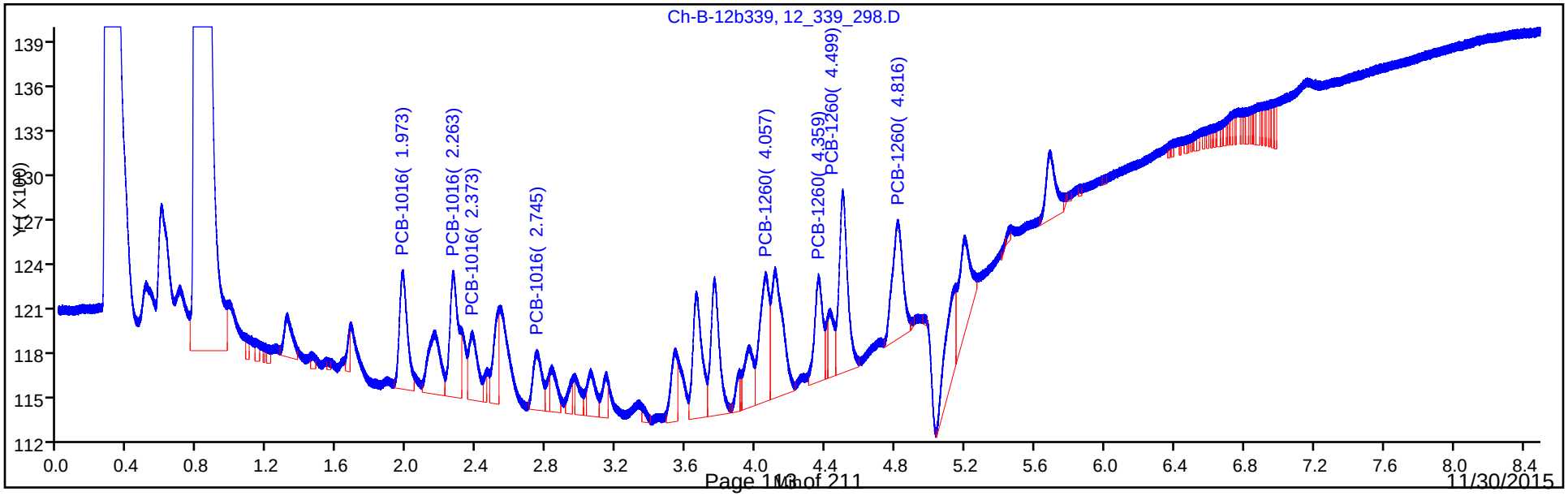
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date:	01-Aug-2015 14:43:45	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Manual Integration/User Assign Peak Report

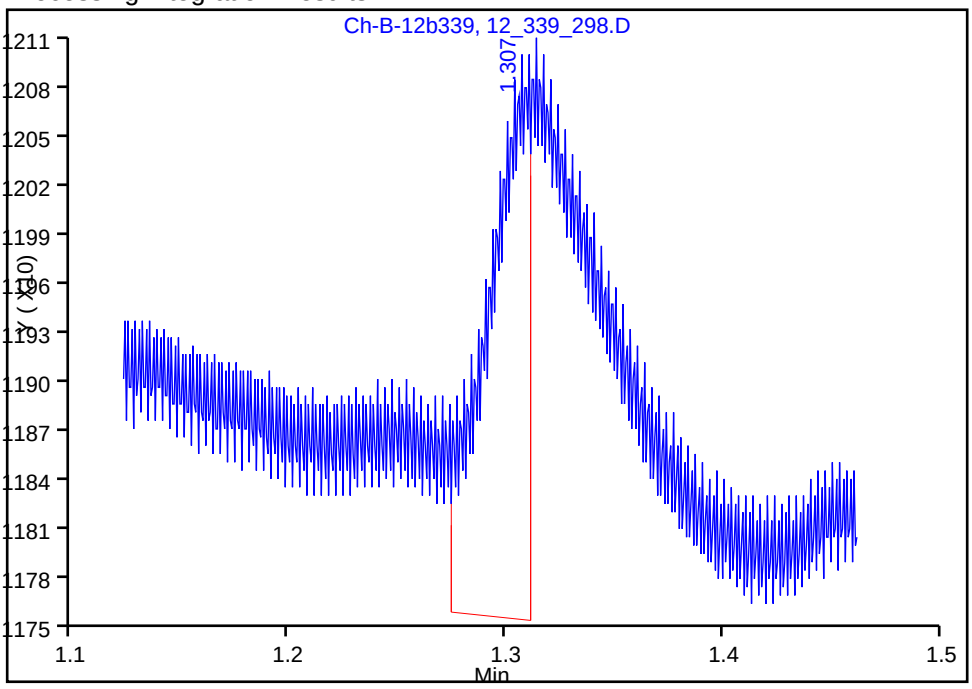
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D
Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

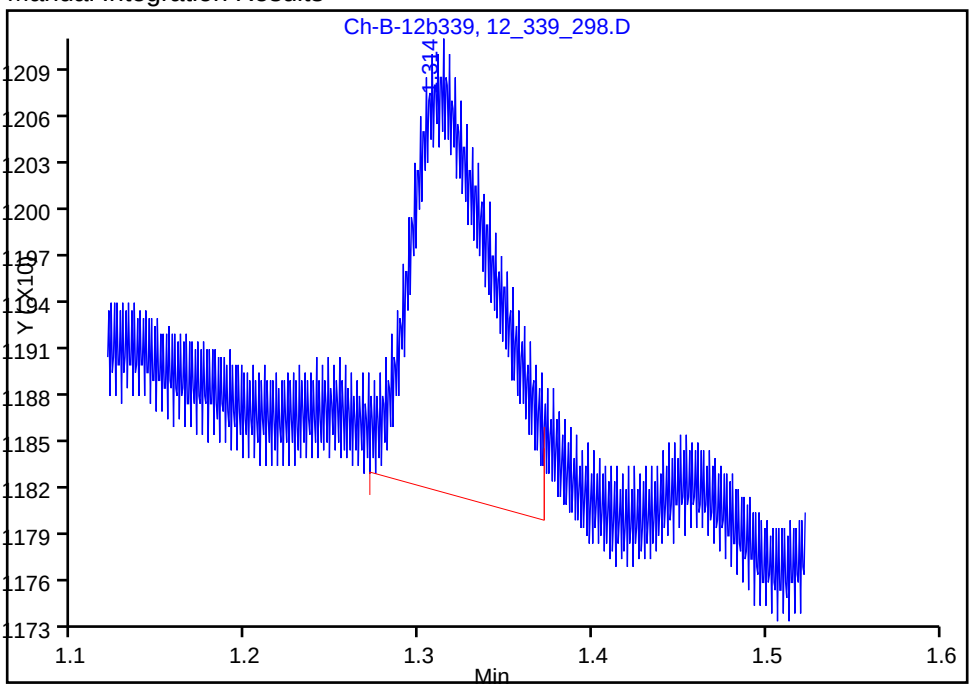
Processing Integration Results

RT: 1.31
Area: 438
Amount: 0.000318
Amount Units: ng/uL



Manual Integration Results

RT: 1.31
Area: 884
Amount: 0.000588
Amount Units: ng/uL



Reviewer: eversd, 03-Aug-2015 11:09:44
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

Injection Date: 01-Aug-2015 14:43:45 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

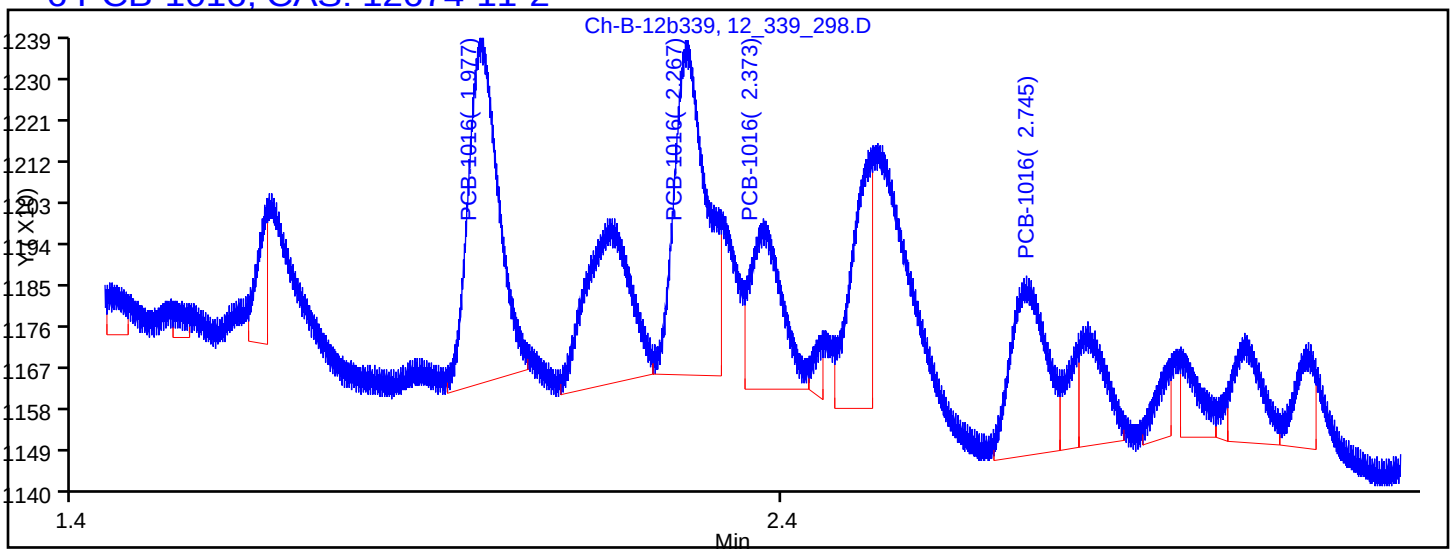
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

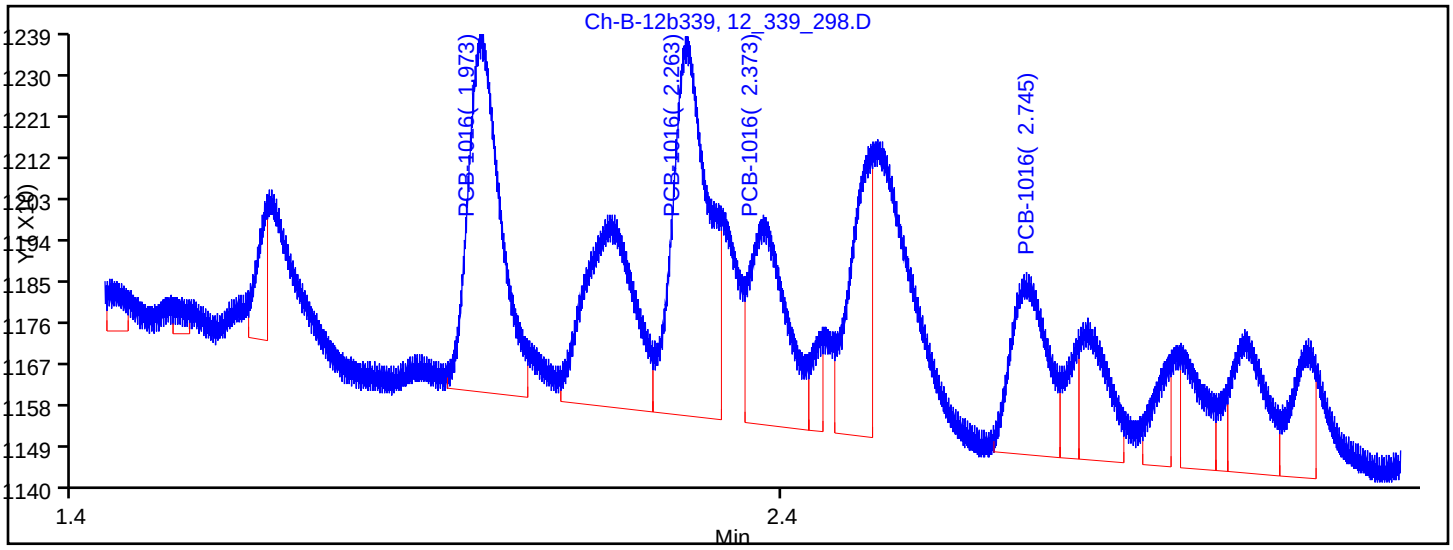
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.977	Response = 2227	M
RT = 2.267	Response = 2263	M
RT = 2.373	Response = 1095	M
RT = 2.745	Response = 1315	



Manual Integration Results

RT = 1.973	Response = 2452	M
RT = 2.263	Response = 2829	M
RT = 2.373	Response = 1578	M
RT = 2.745	Response = 1315	

Reviewer: eversd, 03-Aug-2015 11:09:44

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

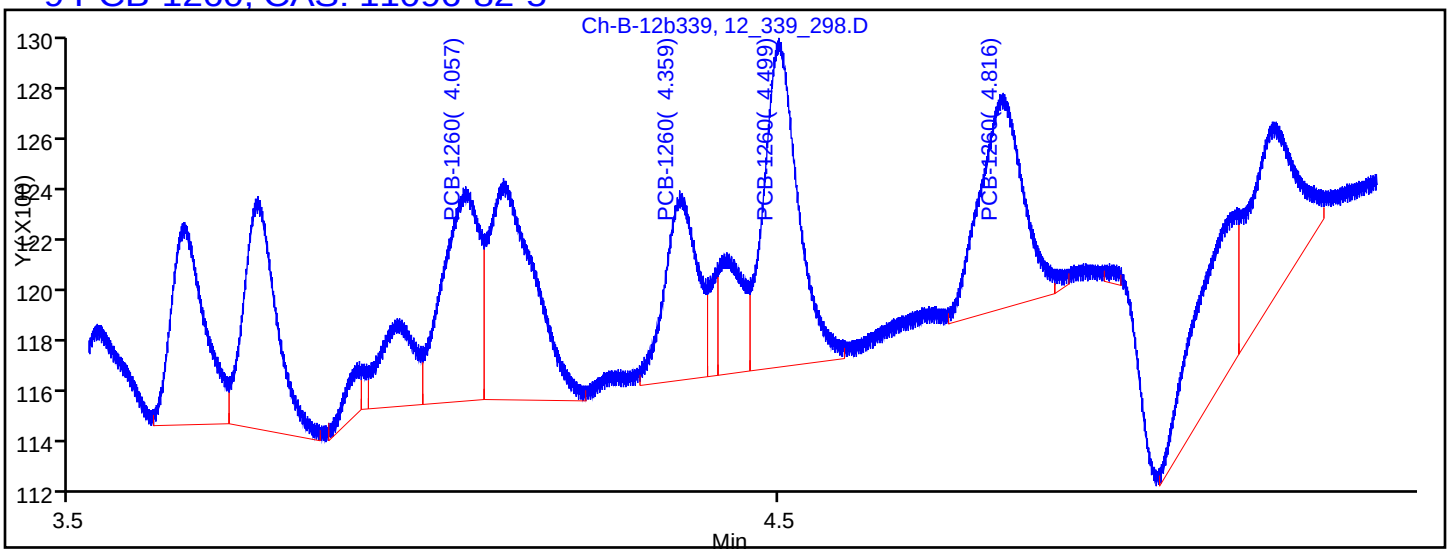
Report Date: 04-Aug-2015 09:08:05 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_298.D

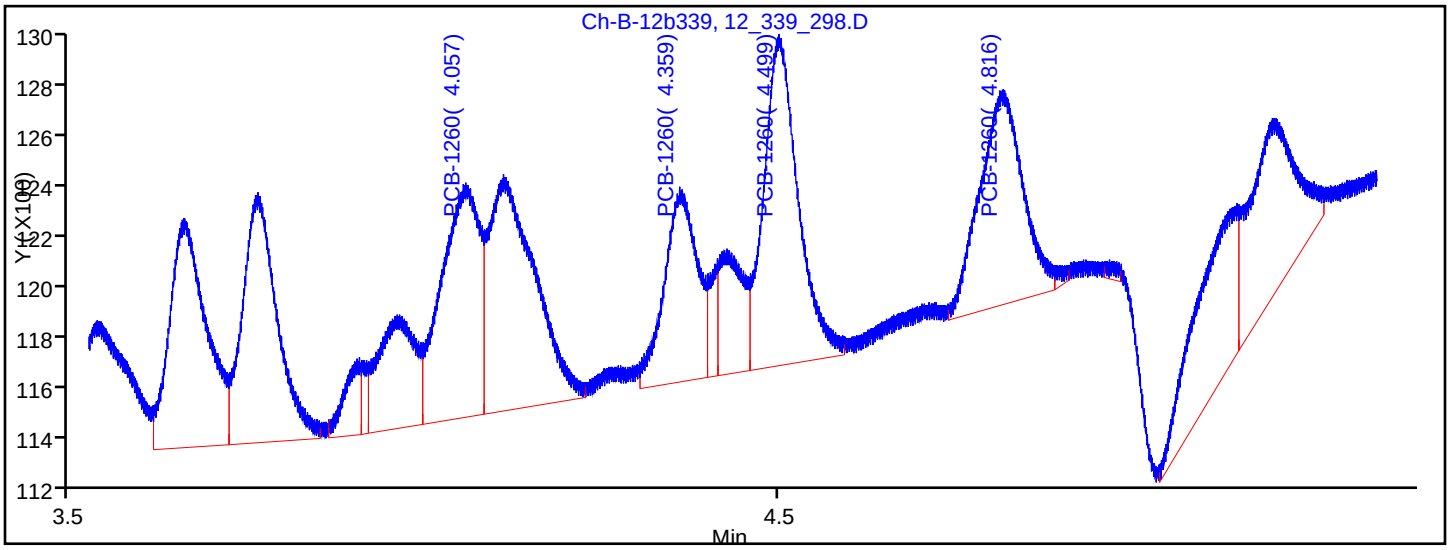
Injection Date:	01-Aug-2015 14:43:45	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.057	Response = 2752	M
RT = 4.359	Response = 2131	M
RT = 4.499	Response = 3979	M
RT = 4.816	Response = 3278	



Manual Integration Results

RT = 4.057	Response = 3150	M
RT = 4.359	Response = 2248	M
RT = 4.499	Response = 4027	M
RT = 4.816	Response = 3278	

Reviewer: eversd, 03-Aug-2015 11:09:44

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.285										1.251 - 1.311	1.285
PCB-1221 Peak 2	1.530										1.496 - 1.556	1.530
PCB-1221 Peak 3	1.825										1.791 - 1.851	1.825
PCB-1221 Peak 4	1.940										1.905 - 1.965	1.940
PCB-1254 Peak 1	3.361										3.323 - 3.383	3.361
PCB-1254 Peak 2	3.746										3.709 - 3.769	3.746
PCB-1254 Peak 3	3.823										3.786 - 3.846	3.823
PCB-1254 Peak 4	4.018										3.981 - 4.041	4.018

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	33340				Ave		33340.0000						20.0			
PCB-1221 Peak 2	11812				Ave		11812.0000						20.0			
PCB-1221 Peak 3	32872				Ave		32872.0000						20.0			
PCB-1221 Peak 4	99980				Ave		99980.0000						20.0			
PCB-1254 Peak 1	214020				Ave		214020.000						20.0			
PCB-1254 Peak 2	163674				Ave		163674.000						20.0			
PCB-1254 Peak 3	211192				Ave		211192.000						20.0			
PCB-1254 Peak 4	219734				Ave		219734.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	16670					0.500				
PCB-1221 Peak 2	Ave	5906					0.500				
PCB-1221 Peak 3	Ave	16436					0.500				
PCB-1221 Peak 4	Ave	49990					0.500				
PCB-1254 Peak 1	Ave	107010					0.500				
PCB-1254 Peak 2	Ave	81837					0.500				
PCB-1254 Peak 3	Ave	105596					0.500				
PCB-1254 Peak 4	Ave	109867					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 15:43:34 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:10 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 13:25:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
2 PCB-1221							
1	1.285	1.281	0.004	16670	0.5000	0.5000	
1	1.530	1.526	0.004	5906	0.5000	0.5000	a
1	1.825	1.821	0.004	16436	0.5000	0.5000	
1	1.940	1.935	0.005	49990	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.459	1.454	0.005	7120	0.5000	0.5000	a
2	1.541	1.537	0.004	11247	0.5000	0.5000	a
2	1.679	1.674	0.005	39721	0.5000	0.5000	M
2	1.983	1.976	0.007	12716	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	3.361	3.353	0.008	107010	0.5000	0.5000	a
1	3.746	3.739	0.007	81837	0.5000	0.5000	
1	3.823	3.816	0.007	105596	0.5000	0.5000	
1	4.018	4.011	0.007	109867	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.143	3.137	0.006	66836	0.5000	0.5000	
2	3.517	3.508	0.009	96730	0.5000	0.5000	
2	3.650	3.641	0.009	93220	0.5000	0.5000	
2	4.062	4.055	0.007	71591	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

21-54w/IS@0.5_00002 Amount Added: 1.00 Units: mL

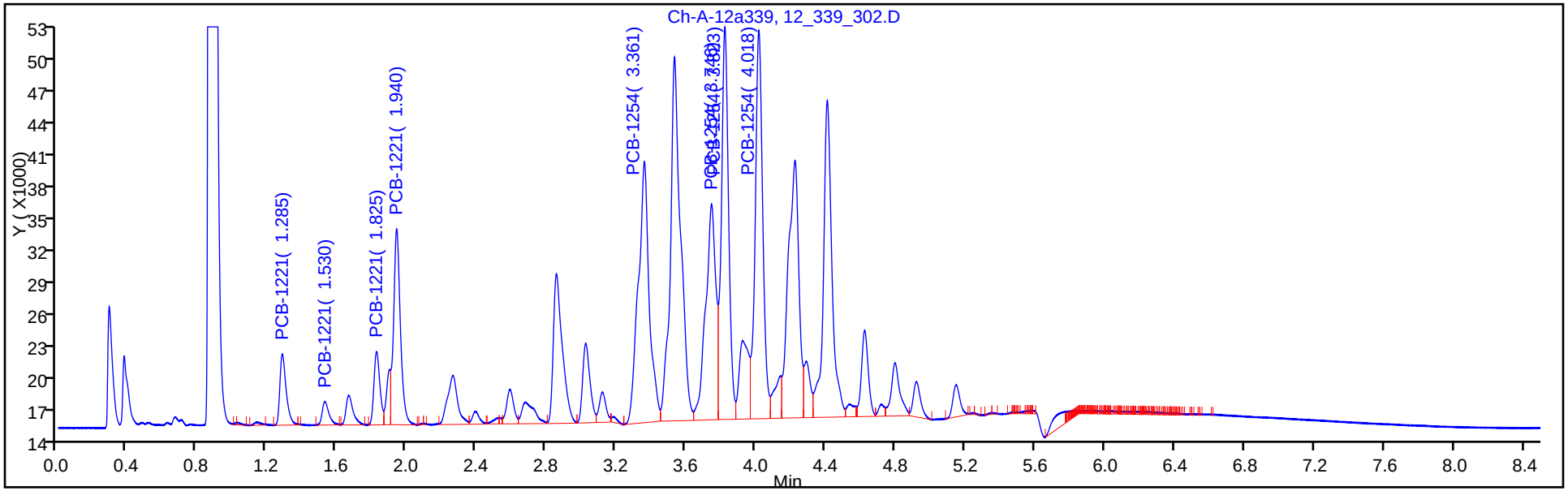
Report Date: 04-Aug-2015 09:08:11 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

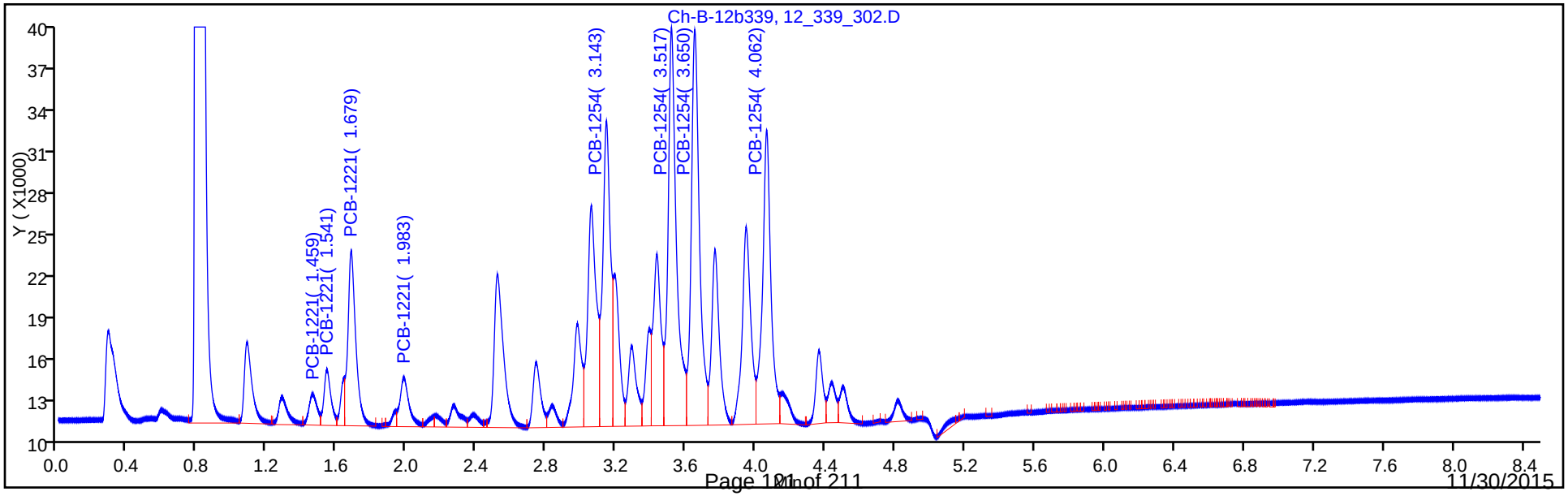
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D

Injection Date:	01-Aug-2015 15:43:34	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.459										1.424 - 1.484	1.459
PCB-1221 Peak 2	1.541										1.507 - 1.567	1.541
PCB-1221 Peak 3	1.679										1.644 - 1.704	1.679
PCB-1221 Peak 4	1.983										1.946 - 2.006	1.983
PCB-1254 Peak 1	3.143										3.107 - 3.167	3.143
PCB-1254 Peak 2	3.517										3.478 - 3.538	3.517
PCB-1254 Peak 3	3.650										3.611 - 3.671	3.650
PCB-1254 Peak 4	4.062										4.025 - 4.085	4.062

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	14240				Ave		14240.0000						20.0			
PCB-1221 Peak 2	22494				Ave		22494.0000						20.0			
PCB-1221 Peak 3	79442				Ave		79442.0000						20.0			
PCB-1221 Peak 4	25432				Ave		25432.0000						20.0			
PCB-1254 Peak 1	133672				Ave		133672.000						20.0			
PCB-1254 Peak 2	193460				Ave		193460.000						20.0			
PCB-1254 Peak 3	186440				Ave		186440.000						20.0			
PCB-1254 Peak 4	143182				Ave		143182.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 15:43 Calibration End Date: 08/01/2015 15:43 Calibration ID: 24334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/12	12_339_302.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	7120					0.500				
PCB-1221 Peak 2	Ave	11247					0.500				
PCB-1221 Peak 3	Ave	39721					0.500				
PCB-1221 Peak 4	Ave	12716					0.500				
PCB-1254 Peak 1	Ave	66836					0.500				
PCB-1254 Peak 2	Ave	96730					0.500				
PCB-1254 Peak 3	Ave	93220					0.500				
PCB-1254 Peak 4	Ave	71591					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 15:43:34 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:10 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 13:25:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
2 PCB-1221							
1	1.285	1.281	0.004	16670	0.5000	0.5000	
1	1.530	1.526	0.004	5906	0.5000	0.5000	a
1	1.825	1.821	0.004	16436	0.5000	0.5000	
1	1.940	1.935	0.005	49990	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.459	1.454	0.005	7120	0.5000	0.5000	a
2	1.541	1.537	0.004	11247	0.5000	0.5000	a
2	1.679	1.674	0.005	39721	0.5000	0.5000	M
2	1.983	1.976	0.007	12716	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
8 PCB-1254							
1	3.361	3.353	0.008	107010	0.5000	0.5000	a
1	3.746	3.739	0.007	81837	0.5000	0.5000	
1	3.823	3.816	0.007	105596	0.5000	0.5000	
1	4.018	4.011	0.007	109867	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.143	3.137	0.006	66836	0.5000	0.5000	
2	3.517	3.508	0.009	96730	0.5000	0.5000	
2	3.650	3.641	0.009	93220	0.5000	0.5000	
2	4.062	4.055	0.007	71591	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

21-54w/IS@0.5_00002 Amount Added: 1.00 Units: mL

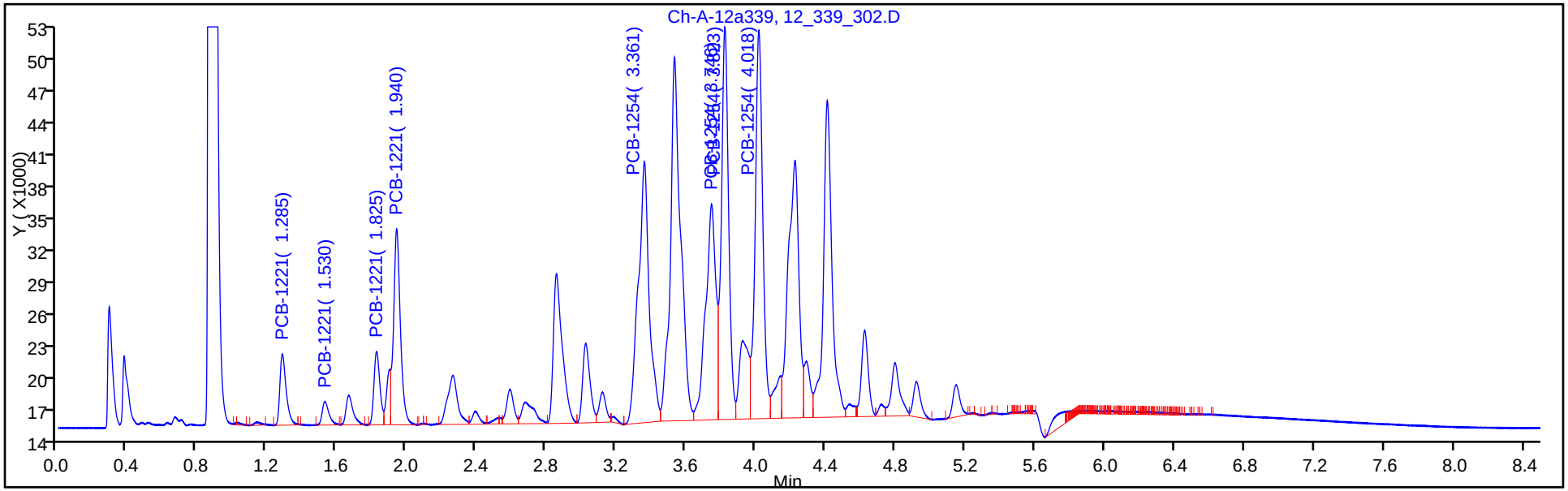
Report Date: 04-Aug-2015 09:08:11 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

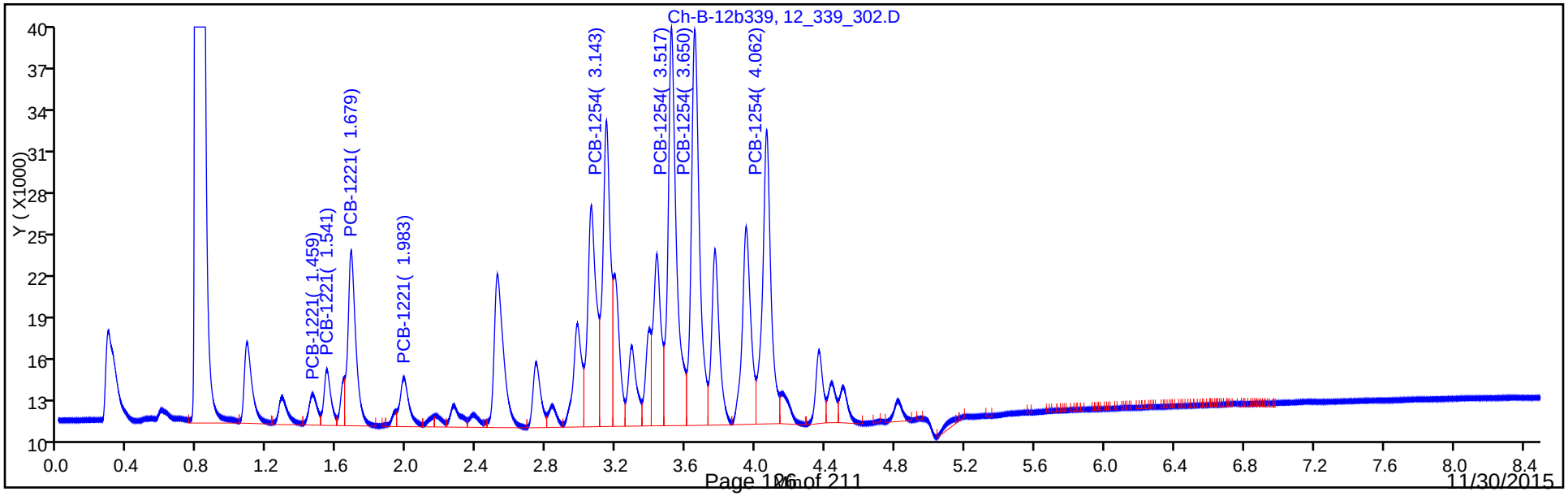
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_302.D

Injection Date:	01-Aug-2015 15:43:34	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.823										1.796 - 1.856	1.823
PCB-1232 Peak 2	1.937										1.910 - 1.970	1.937
PCB-1232 Peak 3	2.251										2.226 - 2.286	2.251
PCB-1232 Peak 4	2.588										2.562 - 2.622	2.588
PCB-1262 Peak 1	4.005										3.978 - 4.038	4.005
PCB-1262 Peak 2	4.531										4.503 - 4.563	4.531
PCB-1262 Peak 3	4.711										4.684 - 4.744	4.711
PCB-1262 Peak 4	4.911										4.884 - 4.944	4.911

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	23012				Ave		23012.0000						20.0			
PCB-1232 Peak 2	87862				Ave		87862.0000						20.0			
PCB-1232 Peak 3	83092				Ave		83092.0000						20.0			
PCB-1232 Peak 4	113662				Ave		113662.000						20.0			
PCB-1262 Peak 1	133634				Ave		133634.000						20.0			
PCB-1262 Peak 2	307152				Ave		307152.000						20.0			
PCB-1262 Peak 3	156754				Ave		156754.000						20.0			
PCB-1262 Peak 4	360342				Ave		360342.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24339

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	11506					0.500				
PCB-1232 Peak 2	Ave	43931					0.500				
PCB-1232 Peak 3	Ave	41546					0.500				
PCB-1232 Peak 4	Ave	56831					0.500				
PCB-1262 Peak 1	Ave	66817					0.500				
PCB-1262 Peak 2	Ave	153576					0.500				
PCB-1262 Peak 3	Ave	78377					0.500				
PCB-1262 Peak 4	Ave	180171					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 16:58:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub39

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:17 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:24:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
5 PCB-1232							
1	1.823	1.826	-0.003	11506	0.5000	0.5000	
1	1.937	1.940	-0.003	43931	0.5000	0.5000	
1	2.251	2.256	-0.005	41546	0.5000	0.5000	
1	2.588	2.592	-0.004	56831	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.677	1.677	0.000	38321	0.5000	0.5000	
2	1.975	1.975	0.000	34966	0.5000	0.5000	
2	2.265	2.270	-0.005	34734	0.5000	0.5000	
2	2.541	2.547	-0.006	30848	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
10 PCB-1262							
1	4.005	4.008	-0.003	66817	0.5000	0.5000	
1	4.531	4.533	-0.002	153576	0.5000	0.5000	
1	4.711	4.714	-0.003	78377	0.5000	0.5000	
1	4.911	4.914	-0.003	180171	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.757	3.759	-0.002	59199	0.5000	0.5000	
2	4.105	4.108	-0.003	114498	0.5000	0.5000	
2	4.355	4.357	-0.002	61284	0.5000	0.5000	
2	4.491	4.493	-0.002	135135	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

32-62w/IS@0.5_00002 Amount Added: 1.00 Units: mL

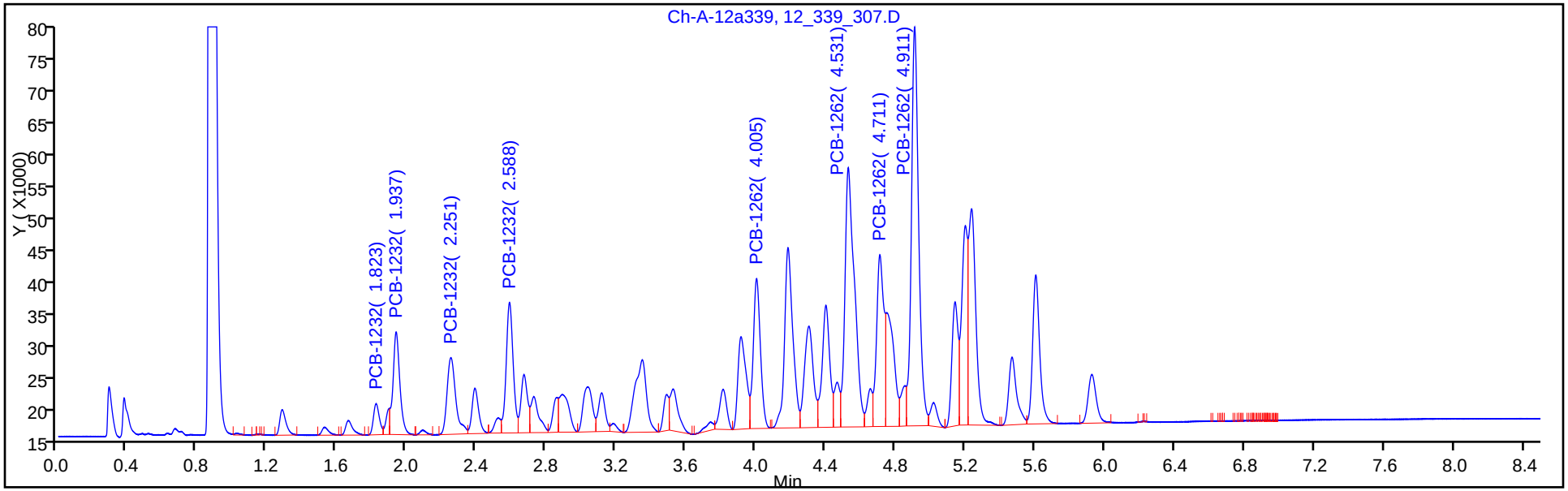
Report Date: 04-Aug-2015 09:08:18 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

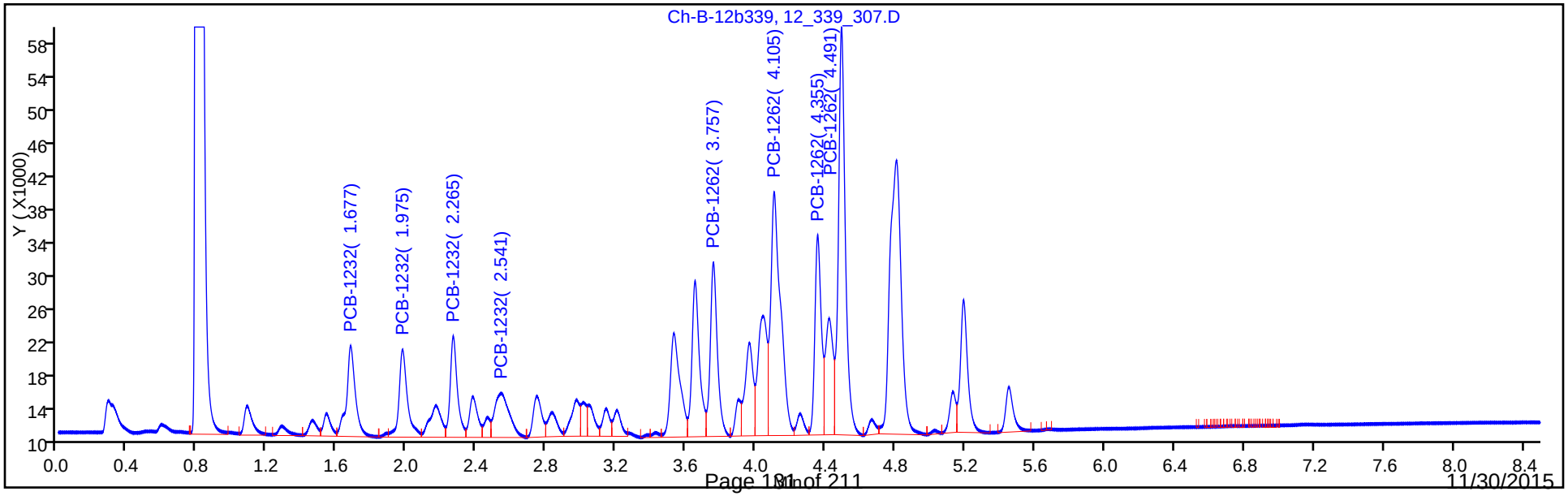
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D

Injection Date:	01-Aug-2015 16:58:14	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24340

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.677										1.647 - 1.707	1.677
PCB-1232 Peak 2	1.975										1.945 - 2.005	1.975
PCB-1232 Peak 3	2.265										2.240 - 2.300	2.265
PCB-1232 Peak 4	2.541										2.517 - 2.577	2.541
PCB-1262 Peak 1	3.757										3.729 - 3.789	3.757
PCB-1262 Peak 2	4.105										4.078 - 4.138	4.105
PCB-1262 Peak 3	4.355										4.327 - 4.387	4.355
PCB-1262 Peak 4	4.491										4.463 - 4.523	4.491

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24340

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	76642				Ave		76642.0000						20.0			
PCB-1232 Peak 2	69932				Ave		69932.0000						20.0			
PCB-1232 Peak 3	69468				Ave		69468.0000						20.0			
PCB-1232 Peak 4	61696				Ave		61696.0000						20.0			
PCB-1262 Peak 1	118398				Ave		118398.000						20.0			
PCB-1262 Peak 2	228996				Ave		228996.000						20.0			
PCB-1262 Peak 3	122568				Ave		122568.000						20.0			
PCB-1262 Peak 4	270270				Ave		270270.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 16:58 Calibration End Date: 08/01/2015 16:58 Calibration ID: 24340

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/17	12_339_307.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	38321					0.500				
PCB-1232 Peak 2	Ave	34966					0.500				
PCB-1232 Peak 3	Ave	34734					0.500				
PCB-1232 Peak 4	Ave	30848					0.500				
PCB-1262 Peak 1	Ave	59199					0.500				
PCB-1262 Peak 2	Ave	114498					0.500				
PCB-1262 Peak 3	Ave	61284					0.500				
PCB-1262 Peak 4	Ave	135135					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 16:58:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub39

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:17 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:24:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
5 PCB-1232							
1	1.823	1.826	-0.003	11506	0.5000	0.5000	
1	1.937	1.940	-0.003	43931	0.5000	0.5000	
1	2.251	2.256	-0.005	41546	0.5000	0.5000	
1	2.588	2.592	-0.004	56831	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.677	1.677	0.000	38321	0.5000	0.5000	
2	1.975	1.975	0.000	34966	0.5000	0.5000	
2	2.265	2.270	-0.005	34734	0.5000	0.5000	
2	2.541	2.547	-0.006	30848	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
10 PCB-1262							
1	4.005	4.008	-0.003	66817	0.5000	0.5000	
1	4.531	4.533	-0.002	153576	0.5000	0.5000	
1	4.711	4.714	-0.003	78377	0.5000	0.5000	
1	4.911	4.914	-0.003	180171	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.757	3.759	-0.002	59199	0.5000	0.5000	
2	4.105	4.108	-0.003	114498	0.5000	0.5000	
2	4.355	4.357	-0.002	61284	0.5000	0.5000	
2	4.491	4.493	-0.002	135135	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

32-62w/IS@0.5_00002 Amount Added: 1.00 Units: mL

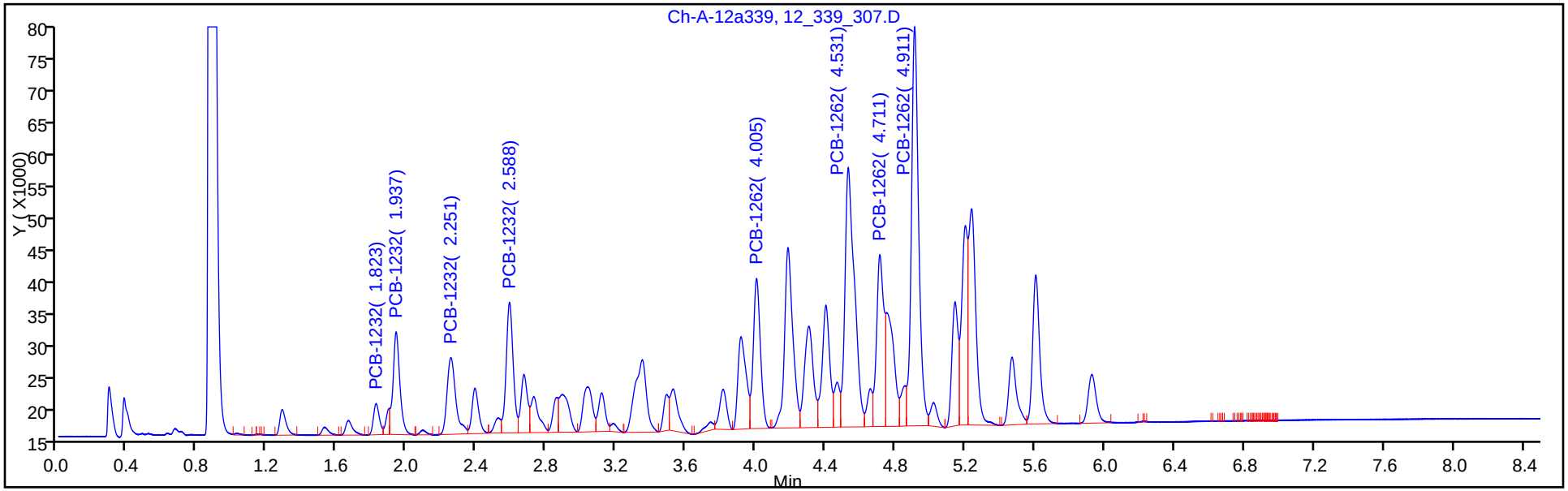
Report Date: 04-Aug-2015 09:08:18 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

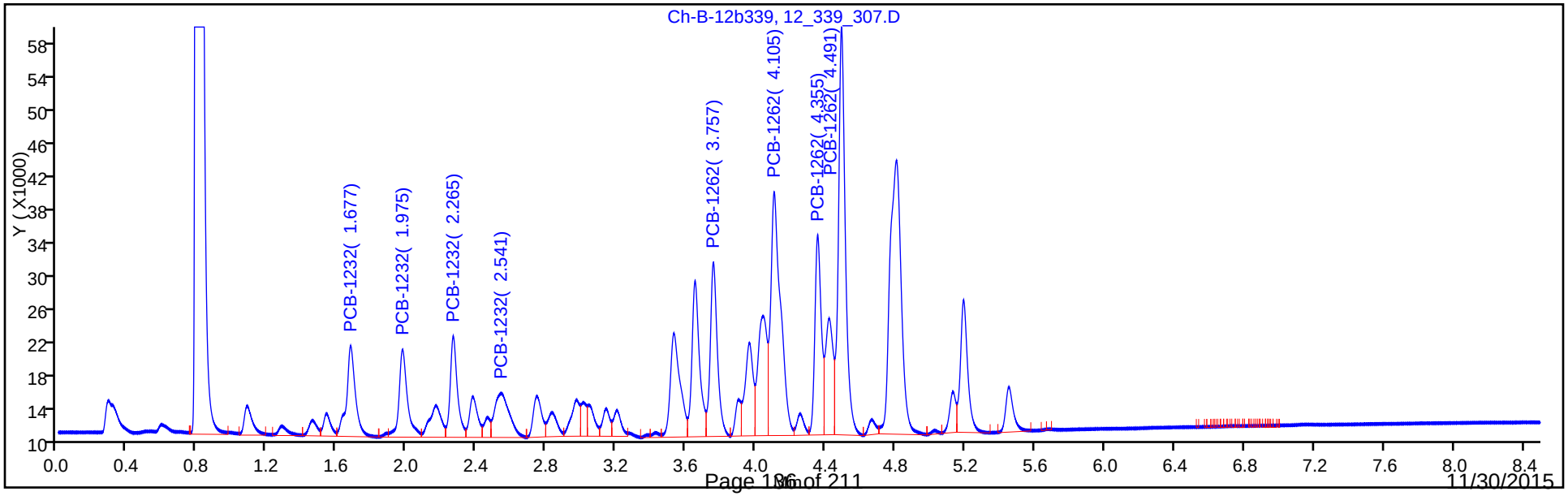
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_307.D

Injection Date:	01-Aug-2015 16:58:14	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.255										2.221 - 2.281	2.255
PCB-1242 Peak 2	2.591										2.560 - 2.620	2.591
PCB-1242 Peak 3	3.037										3.003 - 3.063	3.037
PCB-1242 Peak 4	3.121										3.089 - 3.149	3.121
PCB-1268 Peak 1	5.235										5.205 - 5.265	5.235
PCB-1268 Peak 2	5.458										5.428 - 5.488	5.458
PCB-1268 Peak 3	5.925										5.895 - 5.955	5.925
PCB-1268 Peak 4	6.223										6.193 - 6.253	6.223

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	121108				Ave		121108.000						20.0			
PCB-1242 Peak 2	194096				Ave		194096.000						20.0			
PCB-1242 Peak 3	102084				Ave		102084.000						20.0			
PCB-1242 Peak 4	70920				Ave		70920.0000						20.0			
PCB-1268 Peak 1	441680				Ave		441680.000						20.0			
PCB-1268 Peak 2	332632				Ave		332632.000						20.0			
PCB-1268 Peak 3	973310				Ave		973310.000						20.0			
PCB-1268 Peak 4	251294				Ave		251294.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24345

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	60554					0.500				
PCB-1242 Peak 2	Ave	97048					0.500				
PCB-1242 Peak 3	Ave	51042					0.500				
PCB-1242 Peak 4	Ave	35460					0.500				
PCB-1268 Peak 1	Ave	220840					0.500				
PCB-1268 Peak 2	Ave	166316					0.500				
PCB-1268 Peak 3	Ave	486655					0.500				
PCB-1268 Peak 4	Ave	125647					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 18:12:48 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub40

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:23 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:51:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
4 PCB-1242							
1	2.255	2.251	0.004	60554	0.5000	0.5000	
1	2.591	2.590	0.001	97048	0.5000	0.5000	
1	3.037	3.033	0.004	51042	0.5000	0.5000	
1	3.121	3.119	0.002	35460	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.976	1.974	0.002	49434	0.5000	0.5000	
2	2.270	2.267	0.003	62501	0.5000	0.5000	
2	2.837	2.835	0.002	23963	0.5000	0.5000	
2	2.975	2.973	0.002	32260	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	5.235	5.235	0.000	220840	0.5000	0.5000	
1	5.458	5.458	0.000	166316	0.5000	0.5000	
1	5.925	5.925	0.000	486655	0.5000	0.5000	
1	6.223	6.223	0.000	125647	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.111	4.110	0.001	29472	0.5000	0.5000	
2	4.801	4.801	0.000	170908	0.5000	0.5000	
2	5.447	5.447	0.000	367754	0.5000	0.5000	
2	5.677	5.675	0.002	92876	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

42-68w/IS@0.5_00002 Amount Added: 1.00 Units: mL

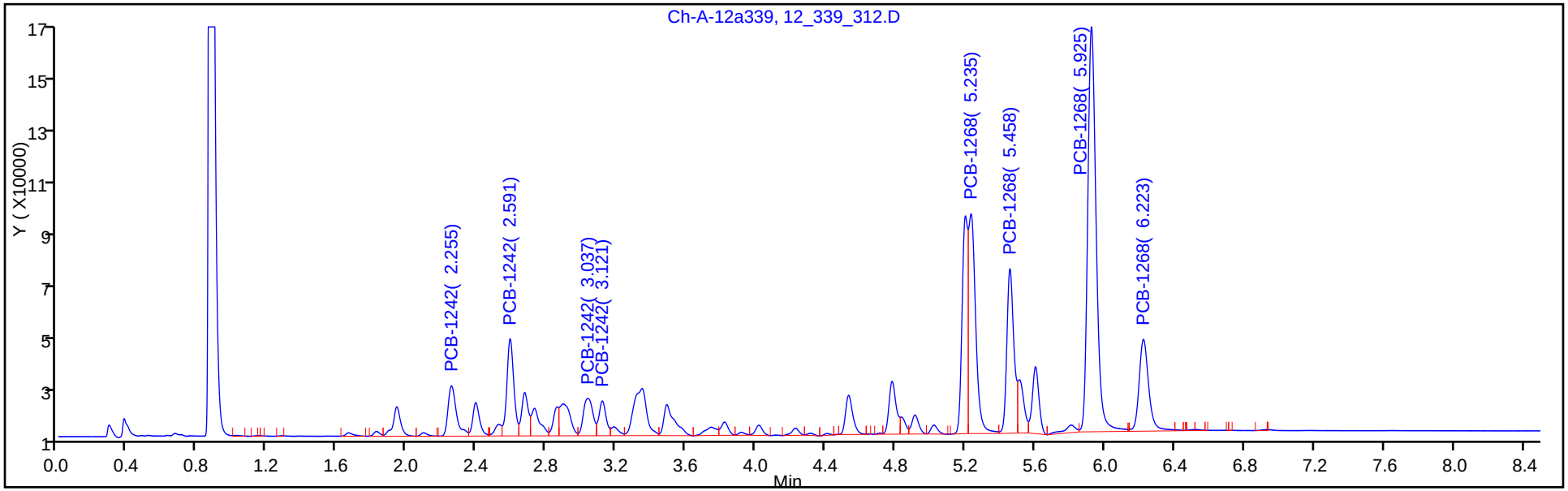
Report Date: 04-Aug-2015 09:08:24 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

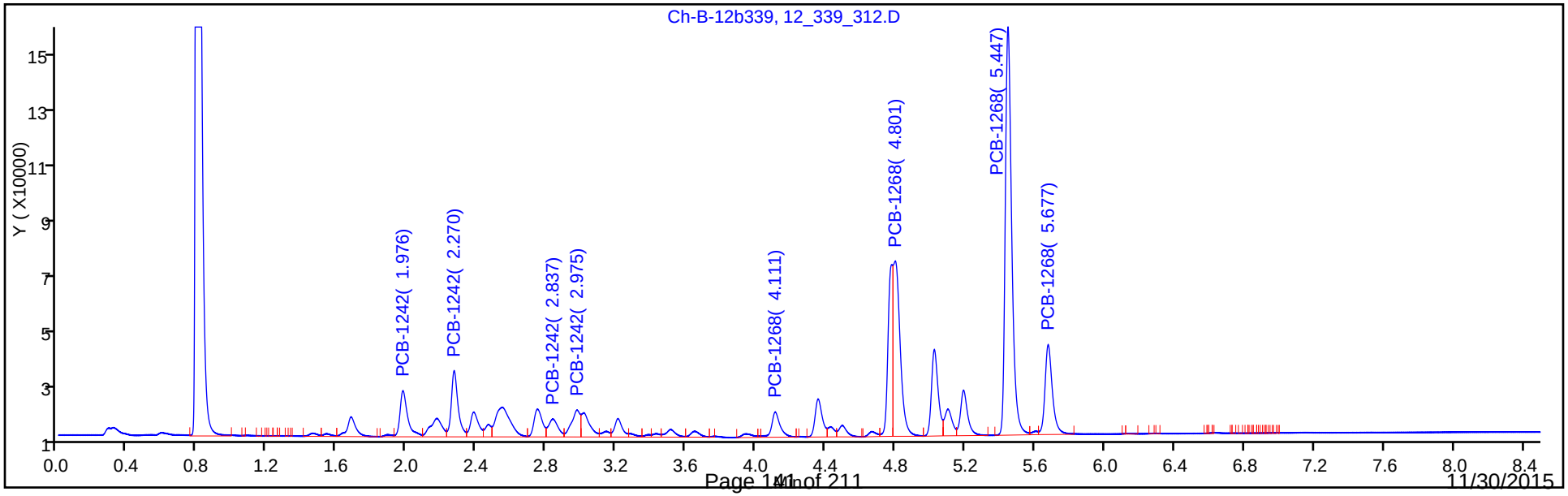
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D

Injection Date:	01-Aug-2015 18:12:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	1.976										1.944 - 2.004	1.976
PCB-1242 Peak 2	2.270										2.237 - 2.297	2.270
PCB-1242 Peak 3	2.837										2.805 - 2.865	2.837
PCB-1242 Peak 4	2.975										2.943 - 3.003	2.975
PCB-1268 Peak 1	4.111										4.080 - 4.140	4.111
PCB-1268 Peak 2	4.801										4.771 - 4.831	4.801
PCB-1268 Peak 3	5.447										5.417 - 5.477	5.447
PCB-1268 Peak 4	5.677										5.645 - 5.705	5.677

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	98868				Ave		98868.0000						20.0			
PCB-1242 Peak 2	125002				Ave		125002.000						20.0			
PCB-1242 Peak 3	47926				Ave		47926.0000						20.0			
PCB-1242 Peak 4	64520				Ave		64520.0000						20.0			
PCB-1268 Peak 1	58944				Ave		58944.0000						20.0			
PCB-1268 Peak 2	341816				Ave		341816.000						20.0			
PCB-1268 Peak 3	735508				Ave		735508.000						20.0			
PCB-1268 Peak 4	185752				Ave		185752.000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 18:12 Calibration End Date: 08/01/2015 18:12 Calibration ID: 24346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/22	12_339_312.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	49434					0.500				
PCB-1242 Peak 2	Ave	62501					0.500				
PCB-1242 Peak 3	Ave	23963					0.500				
PCB-1242 Peak 4	Ave	32260					0.500				
PCB-1268 Peak 1	Ave	29472					0.500				
PCB-1268 Peak 2	Ave	170908					0.500				
PCB-1268 Peak 3	Ave	367754					0.500				
PCB-1268 Peak 4	Ave	92876					0.500				

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 18:12:48 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub40

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:23 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 03-Aug-2015 16:51:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
4 PCB-1242							
1	2.255	2.251	0.004	60554	0.5000	0.5000	
1	2.591	2.590	0.001	97048	0.5000	0.5000	
1	3.037	3.033	0.004	51042	0.5000	0.5000	
1	3.121	3.119	0.002	35460	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.976	1.974	0.002	49434	0.5000	0.5000	
2	2.270	2.267	0.003	62501	0.5000	0.5000	
2	2.837	2.835	0.002	23963	0.5000	0.5000	
2	2.975	2.973	0.002	32260	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1268							
1	5.235	5.235	0.000	220840	0.5000	0.5000	
1	5.458	5.458	0.000	166316	0.5000	0.5000	
1	5.925	5.925	0.000	486655	0.5000	0.5000	
1	6.223	6.223	0.000	125647	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	4.111	4.110	0.001	29472	0.5000	0.5000	
2	4.801	4.801	0.000	170908	0.5000	0.5000	
2	5.447	5.447	0.000	367754	0.5000	0.5000	
2	5.677	5.675	0.002	92876	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

42-68w/IS@0.5_00002 Amount Added: 1.00 Units: mL

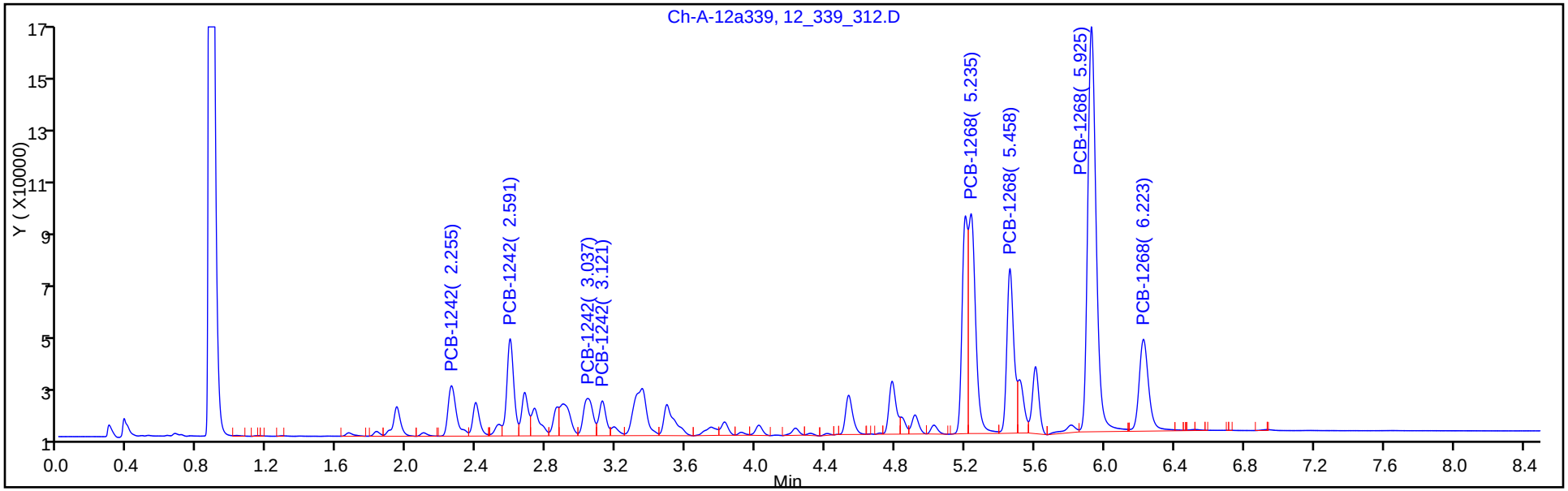
Report Date: 04-Aug-2015 09:08:24 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

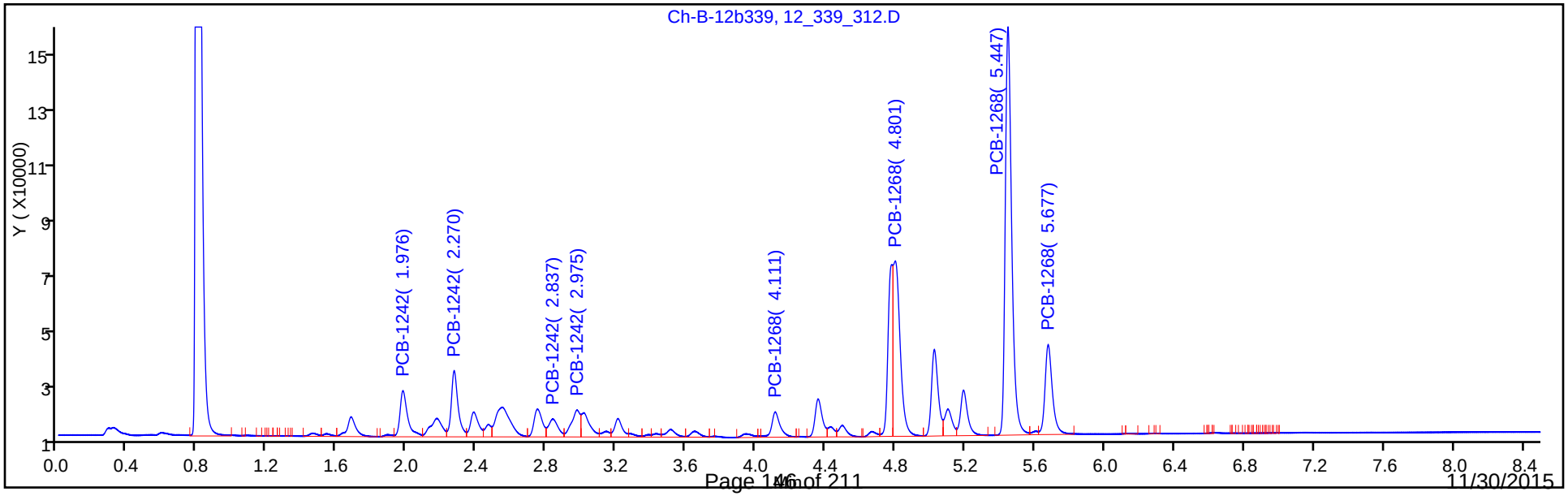
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_312.D

Injection Date:	01-Aug-2015 18:12:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.028										2.993 - 3.053	3.028
PCB-1248 Peak 2	3.119										3.085 - 3.145	3.119
PCB-1248 Peak 3	3.349										3.314 - 3.374	3.349
PCB-1248 Peak 4	3.491										3.456 - 3.516	3.491

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	140246				Ave		140246.000						20.0			
PCB-1248 Peak 2	106608				Ave		106608.000						20.0			
PCB-1248 Peak 3	309982				Ave		309982.000						20.0			
PCB-1248 Peak 4	89716				Ave		89716.0000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24351

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	70123					0.500				
PCB-1248 Peak 2	Ave	53304					0.500				
PCB-1248 Peak 3	Ave	154991					0.500				
PCB-1248 Peak 4	Ave	44858					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 19:27:22 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:29 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 04-Aug-2015 08:46:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1248							
1	3.028	3.023	0.005	70123	0.5000	0.5000	
1	3.119	3.115	0.004	53304	0.5000	0.5000	
1	3.349	3.344	0.005	154991	0.5000	0.5000	
1	3.491	3.486	0.005	44858	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	2.745	2.737	0.008	47050	0.5000	0.5000	
2	2.835	2.831	0.004	37689	0.5000	0.5000	
2	2.974	2.969	0.005	58026	0.5000	0.5000	
2	3.209	3.202	0.007	38563	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

1248w/IS@ 0.5_00002 Amount Added: 1.00 Units: mL

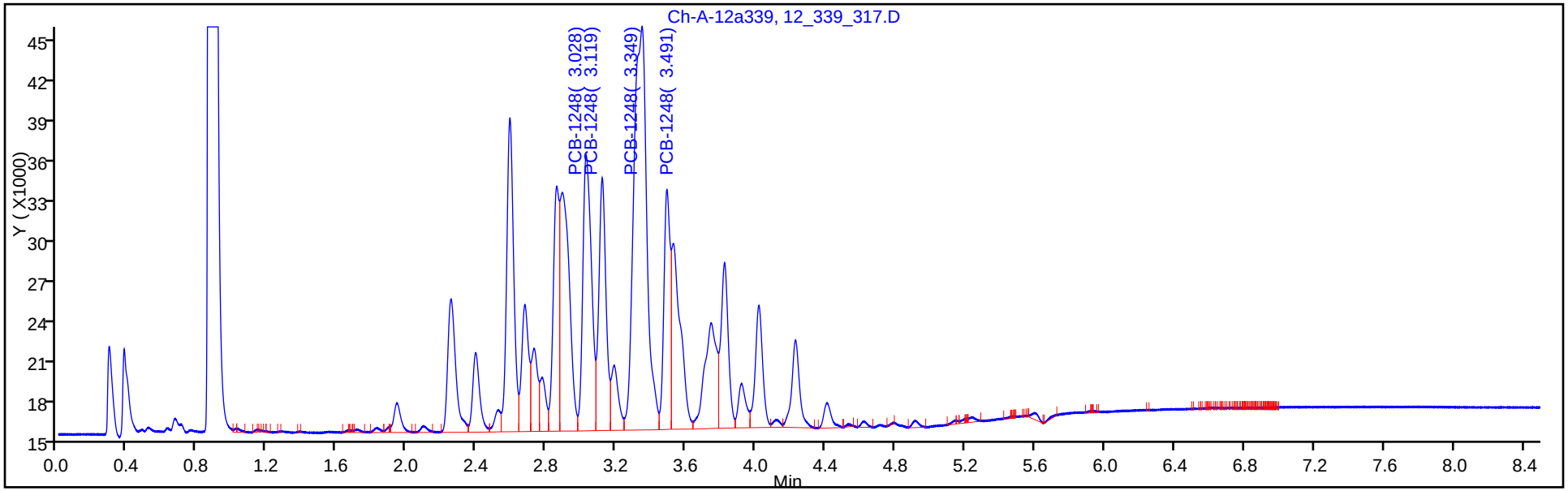
Report Date: 04-Aug-2015 09:08:30 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

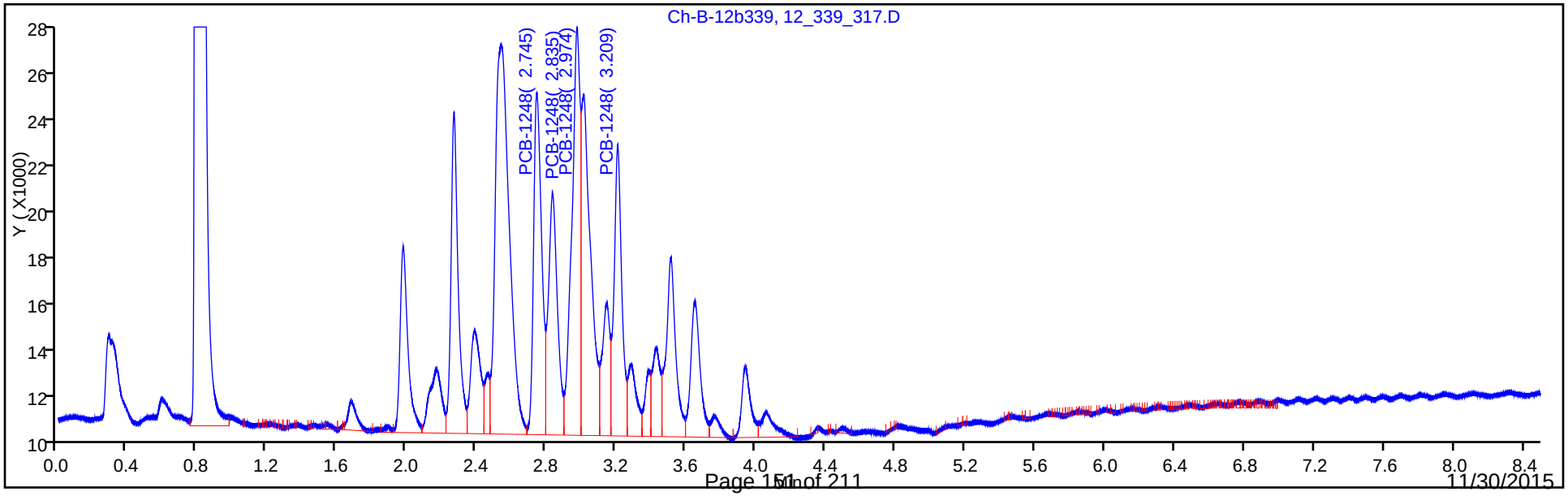
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D

Injection Date:	01-Aug-2015 19:27:22	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.745										2.707 - 2.767	2.745
PCB-1248 Peak 2	2.835										2.801 - 2.861	2.835
PCB-1248 Peak 3	2.974										2.939 - 2.999	2.974
PCB-1248 Peak 4	3.209										3.172 - 3.232	3.209

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	94100				Ave		94100.0000						20.0			
PCB-1248 Peak 2	75378				Ave		75378.0000						20.0			
PCB-1248 Peak 3	116052				Ave		116052.000						20.0			
PCB-1248 Peak 4	77126				Ave		77126.0000						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1 Analy Batch No.: 256564

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/01/2015 19:27 Calibration End Date: 08/01/2015 19:27 Calibration ID: 24352

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-256564/27	12_339_317.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	47050					0.500				
PCB-1248 Peak 2	Ave	37689					0.500				
PCB-1248 Peak 3	Ave	58026					0.500				
PCB-1248 Peak 4	Ave	38563					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Aug-2015 19:27:22 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 04-Aug-2015 09:08:29 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK005

First Level Reviewer: eversd Date: 04-Aug-2015 08:46:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
7 PCB-1248							
1	3.028	3.023	0.005	70123	0.5000	0.5000	
1	3.119	3.115	0.004	53304	0.5000	0.5000	
1	3.349	3.344	0.005	154991	0.5000	0.5000	
1	3.491	3.486	0.005	44858	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	2.745	2.737	0.008	47050	0.5000	0.5000	
2	2.835	2.831	0.004	37689	0.5000	0.5000	
2	2.974	2.969	0.005	58026	0.5000	0.5000	
2	3.209	3.202	0.007	38563	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

1248w/IS@ 0.5_00002 Amount Added: 1.00 Units: mL

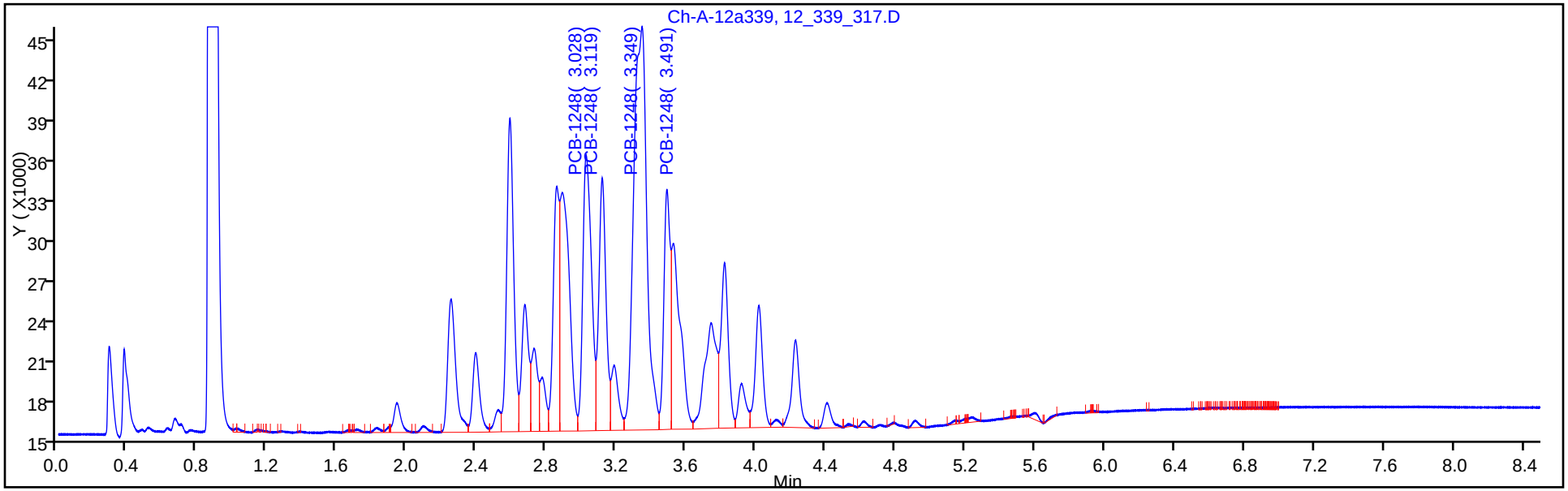
Report Date: 04-Aug-2015 09:08:30 Chrom Revision: 2.2 09-Jul-2015 10:16:20

TestAmerica Buffalo

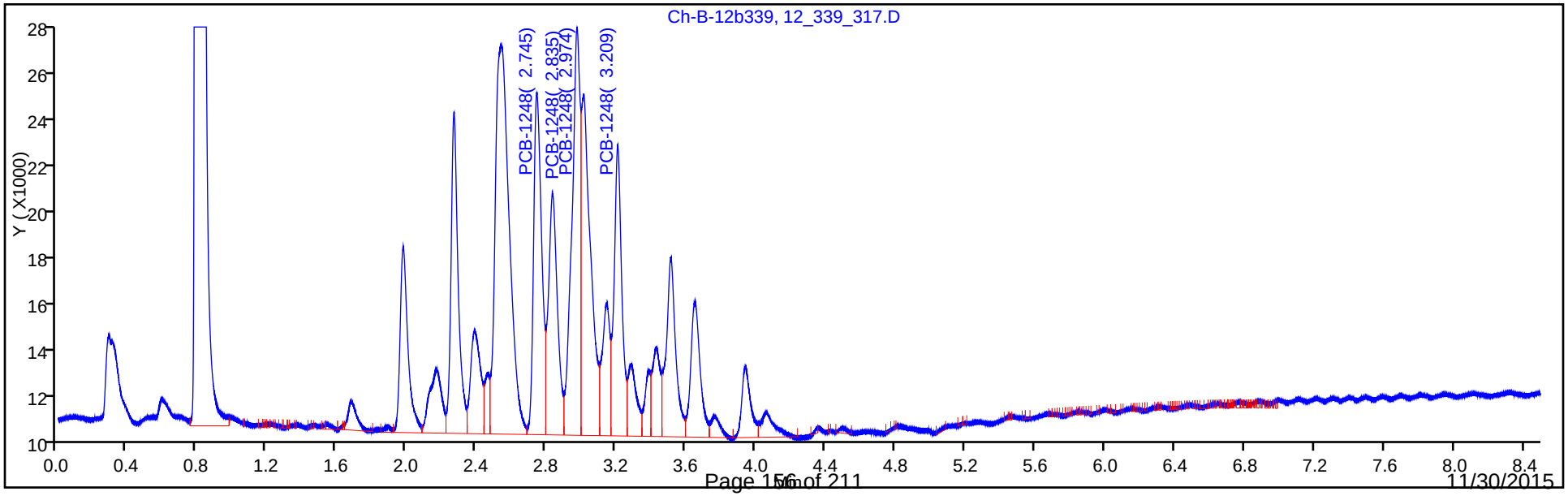
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_317.D

Injection Date:	01-Aug-2015 19:27:22	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/2 Calibration Date: 11/23/2015 16:34

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_060.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	134046		0.470	0.500	-6.1	20.0
PCB-1016 Peak 2	Ave	83149	80164		0.482	0.500	-3.6	20.0
PCB-1016 Peak 3	Ave	238714	221176		0.463	0.500	-7.3	20.0
PCB-1016 Peak 4	Ave	103387	97156		0.470	0.500	-6.0	20.0
PCB-1260 Peak 1	Ave	257130	248680		0.484	0.500	-3.3	20.0
PCB-1260 Peak 2	Ave	221133	222938		0.504	0.500	0.8	20.0
PCB-1260 Peak 3	Ave	222135	204524		0.460	0.500	-7.9	20.0
PCB-1260 Peak 4	Ave	301440	293450		0.487	0.500	-2.7	20.0
Tetrachloro-m-xylene	Ave	2805591	2548800		0.0273	0.0300	-9.2	20.0
DCB Decachlorobiphenyl	Ave	3471649	3025833		0.0261	0.0300	-12.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/2 Calibration Date: 11/23/2015 16:34

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_060.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.05	4.02	4.08
PCB-1260 Peak 2	4.27	4.24	4.30
PCB-1260 Peak 3	4.40	4.37	4.43
PCB-1260 Peak 4	4.79	4.76	4.82
Tetrachloro-m-xylene	1.59	1.56	1.62
DCB Decachlorobiphenyl	6.08	6.05	6.11

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_060.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 23-Nov-2015 16:34:16 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:00:20 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: sobolk Date: 23-Nov-2015 16:57:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.586	1.586	0.000	76464	0.0300	0.0273	
2	1.225	1.225	0.000	44193	0.0300	0.0294	
						RPD = 7.57	
6 PCB-1016							M
1	2.132	2.132	0.000	67023	0.5000	0.4696	M
1	2.269	2.269	0.000	40082	0.5000	0.4820	
1	2.460	2.460	0.000	110588	0.5000	0.4633	
1	2.541	2.541	0.000	48578	0.5000	0.4699	
		Average of Peak Amounts =				0.4712	
2	1.866	1.866	0.000	60773	0.5000	0.5088	
2	2.149	2.149	0.000	74863	0.5000	0.4982	
2	2.259	2.259	0.000	33553	0.5000	0.4804	
2	2.615	2.615	0.000	37684	0.5000	0.5146	
		Average of Peak Amounts =				0.5005	
						RPD = 6.03	
9 PCB-1260							M
1	4.053	4.053	0.000	124340	0.5000	0.4836	
1	4.271	4.271	0.000	111469	0.5000	0.5041	
1	4.401	4.401	0.000	102262	0.5000	0.4604	
1	4.787	4.787	0.000	146725	0.5000	0.4867	
		Average of Peak Amounts =				0.4837	
2	3.920	3.920	0.000	81034	0.5000	0.5155	
2	4.227	4.227	0.000	45090	0.5000	0.4859	
2	4.365	4.365	0.000	112286	0.5000	0.5243	
2	4.683	4.683	0.000	95720	0.5000	0.5227	M
		Average of Peak Amounts =				0.5121	
						RPD = 5.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.075	6.075	0.000	90775	0.0300	0.0261	
2	5.559	5.559	0.000	71715	0.0300	0.0271	
						RPD = 3.72	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

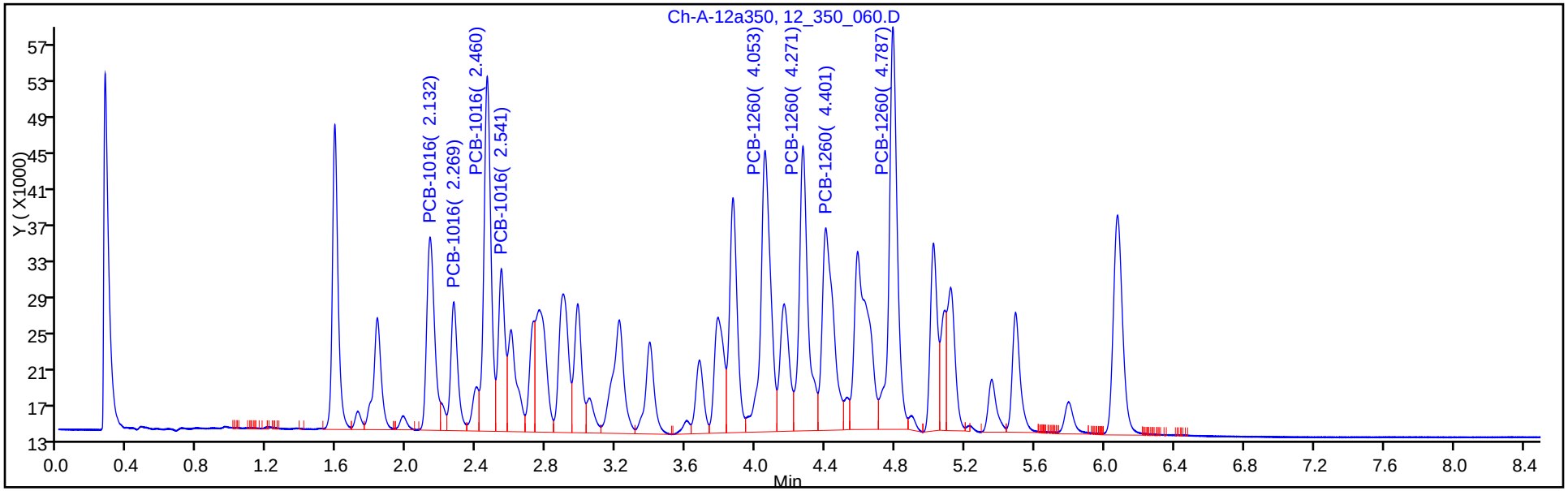
Report Date: 24-Nov-2015 09:00:21 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

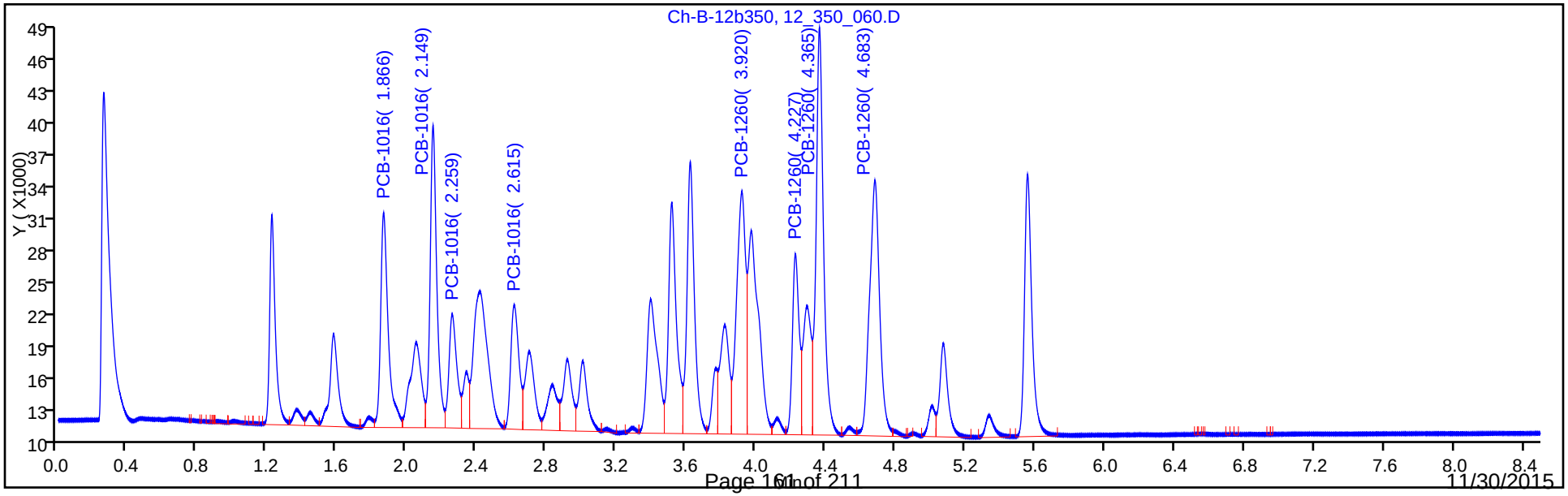
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_060.D

Injection Date:	23-Nov-2015 16:34:16	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)

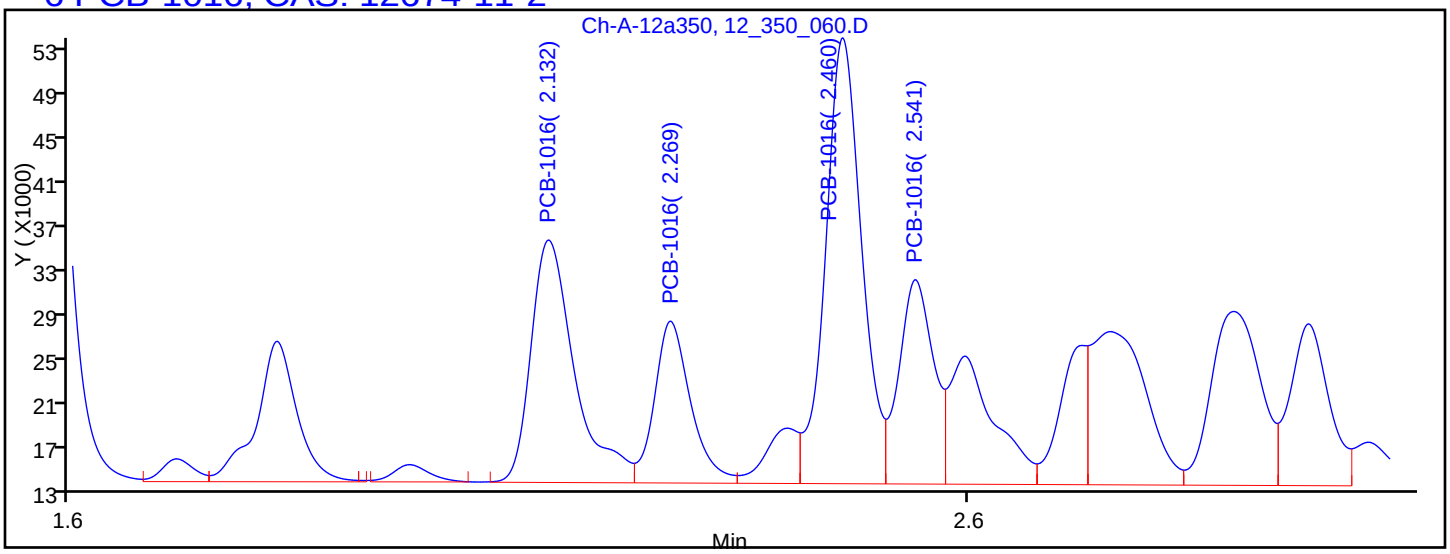


Report Date: 24-Nov-2015 09:00:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

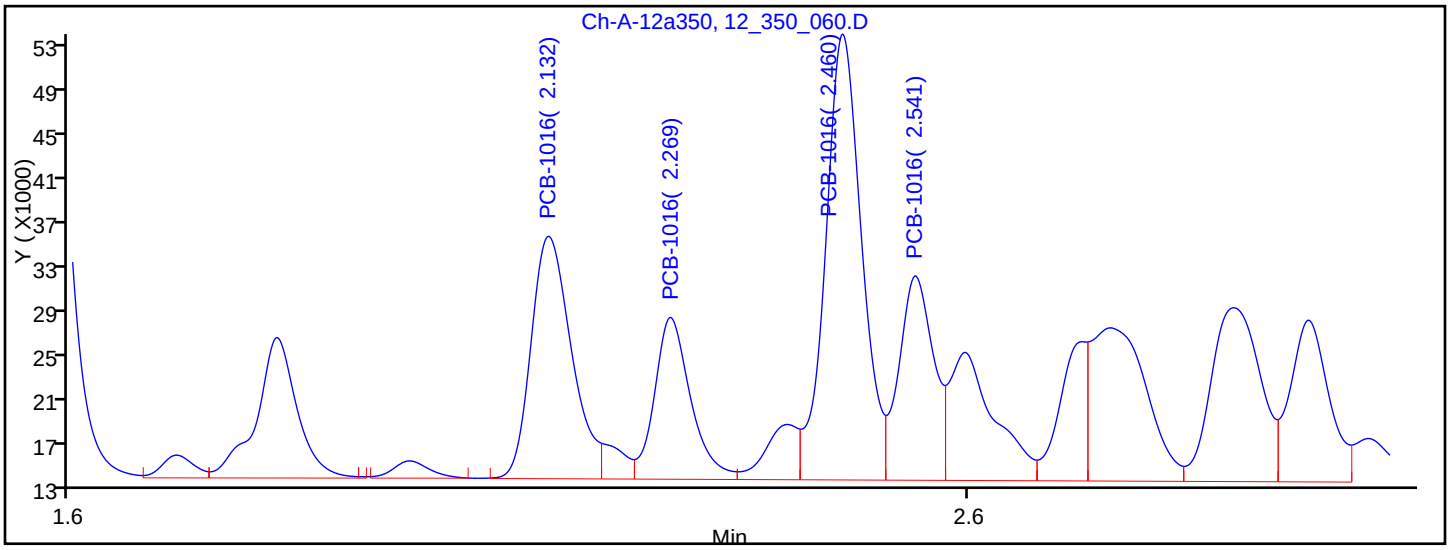
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_060.D
Injection Date: 23-Nov-2015 16:34:16 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.132	Response = 72535	M
RT = 2.269	Response = 40082	
RT = 2.460	Response = 110588	
RT = 2.541	Response = 48578	



Manual Integration Results

RT = 2.132	Response = 67023	M
RT = 2.269	Response = 40082	
RT = 2.460	Response = 110588	
RT = 2.541	Response = 48578	

Reviewer: sobolk, 23-Nov-2015 16:57:52
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/2 Calibration Date: 11/23/2015 16:34

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_060.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	121546		0.509	0.500	1.8	20.0
PCB-1016 Peak 2	Ave	150255	149726		0.498	0.500	-0.4	20.0
PCB-1016 Peak 3	Ave	69844	67106		0.480	0.500	-3.9	20.0
PCB-1016 Peak 4	Ave	73226	75368		0.515	0.500	2.9	20.0
PCB-1260 Peak 1	Ave	157198	162068		0.515	0.500	3.1	20.0
PCB-1260 Peak 2	Ave	92802	90180		0.486	0.500	-2.8	20.0
PCB-1260 Peak 3	Ave	214168	224572		0.524	0.500	4.9	20.0
PCB-1260 Peak 4	Ave	183120	191440		0.523	0.500	4.5	20.0
Tetrachloro-m-xylene	Ave	1503189	1473100		0.0294	0.0300	-2.0	20.0
DCB Decachlorobiphenyl	Ave	2642617	2390500		0.0271	0.0300	-9.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/2 Calibration Date: 11/23/2015 16:34

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_060.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.87	1.84	1.90
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.62	2.59	2.65
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.23	4.20	4.26
PCB-1260 Peak 3	4.37	4.34	4.40
PCB-1260 Peak 4	4.68	4.65	4.71
Tetrachloro-m-xylene	1.23	1.20	1.26
DCB Decachlorobiphenyl	5.56	5.53	5.59

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_060.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 23-Nov-2015 16:34:16 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:00:20 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: sobolk Date: 23-Nov-2015 16:57:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.586	1.586	0.000	76464	0.0300	0.0273	
2	1.225	1.225	0.000	44193	0.0300	0.0294	
						RPD = 7.57	
6 PCB-1016							M
1	2.132	2.132	0.000	67023	0.5000	0.4696	M
1	2.269	2.269	0.000	40082	0.5000	0.4820	
1	2.460	2.460	0.000	110588	0.5000	0.4633	
1	2.541	2.541	0.000	48578	0.5000	0.4699	
		Average of Peak Amounts =				0.4712	
2	1.866	1.866	0.000	60773	0.5000	0.5088	
2	2.149	2.149	0.000	74863	0.5000	0.4982	
2	2.259	2.259	0.000	33553	0.5000	0.4804	
2	2.615	2.615	0.000	37684	0.5000	0.5146	
		Average of Peak Amounts =				0.5005	
						RPD = 6.03	
9 PCB-1260							M
1	4.053	4.053	0.000	124340	0.5000	0.4836	
1	4.271	4.271	0.000	111469	0.5000	0.5041	
1	4.401	4.401	0.000	102262	0.5000	0.4604	
1	4.787	4.787	0.000	146725	0.5000	0.4867	
		Average of Peak Amounts =				0.4837	
2	3.920	3.920	0.000	81034	0.5000	0.5155	
2	4.227	4.227	0.000	45090	0.5000	0.4859	
2	4.365	4.365	0.000	112286	0.5000	0.5243	
2	4.683	4.683	0.000	95720	0.5000	0.5227	M
		Average of Peak Amounts =				0.5121	
						RPD = 5.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.075	6.075	0.000	90775	0.0300	0.0261	
2	5.559	5.559	0.000	71715	0.0300	0.0271	
						RPD = 3.72	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

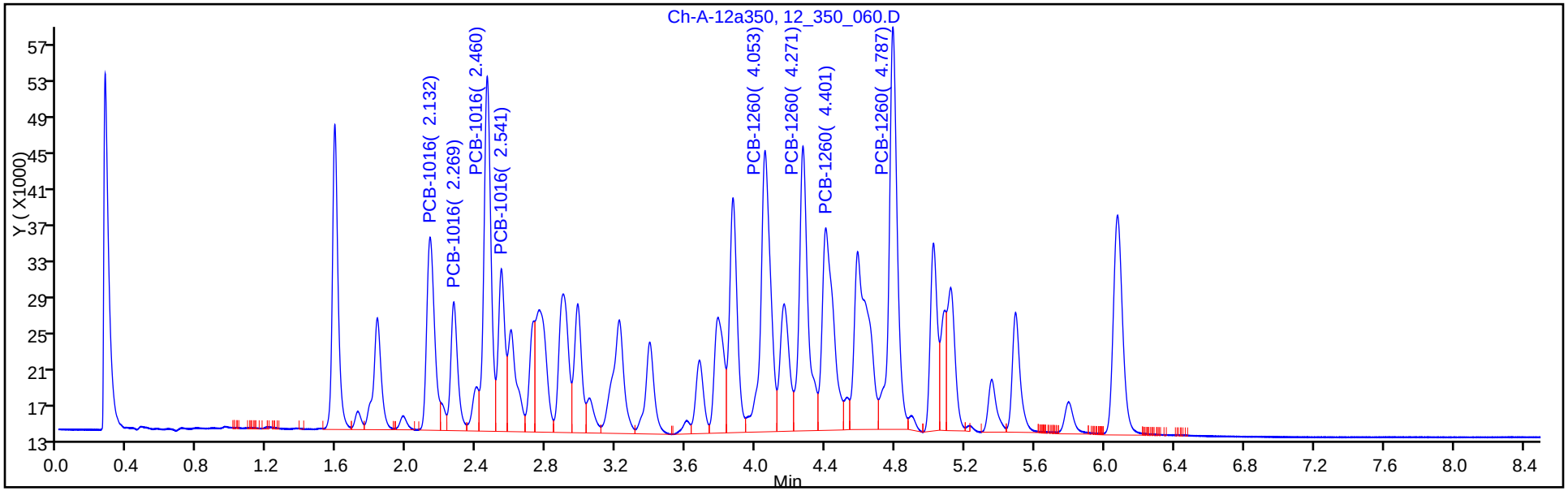
Report Date: 24-Nov-2015 09:00:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

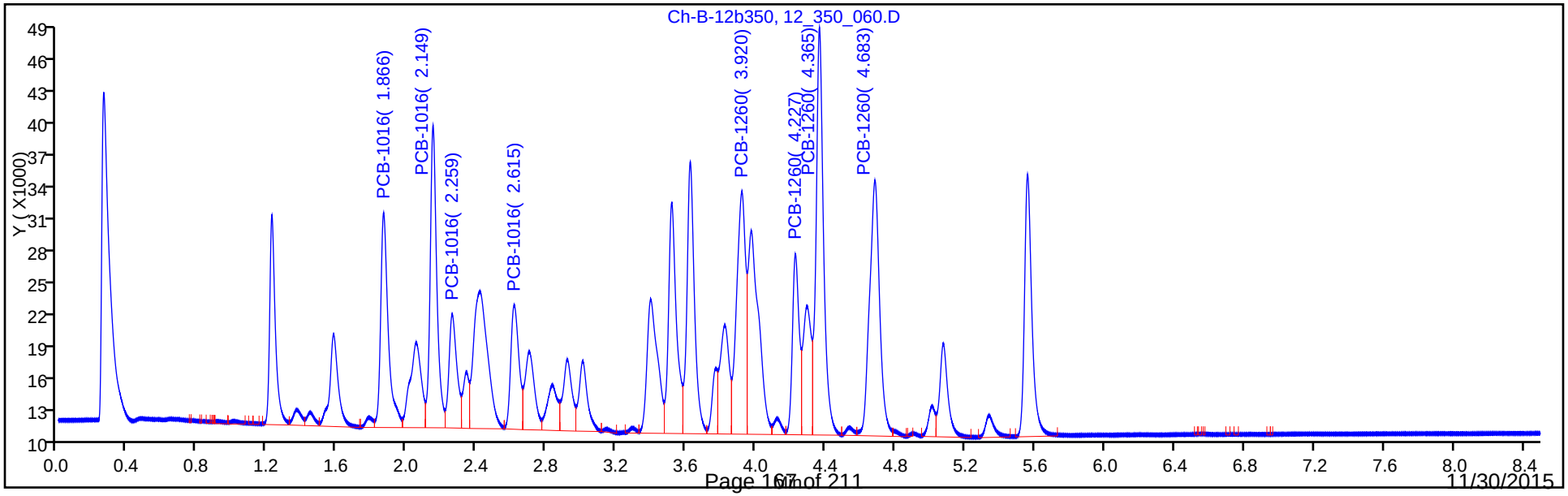
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_060.D

Injection Date:	23-Nov-2015 16:34:16	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 24-Nov-2015 09:00:22 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_060.D

Injection Date: 23-Nov-2015 16:34:16 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

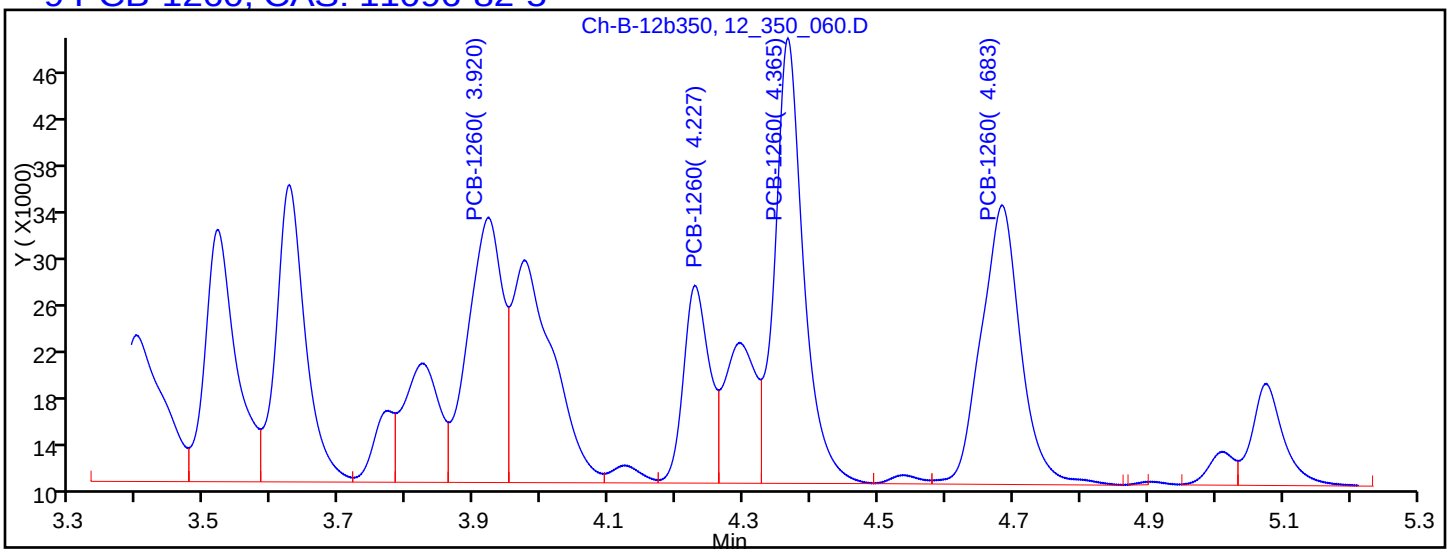
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



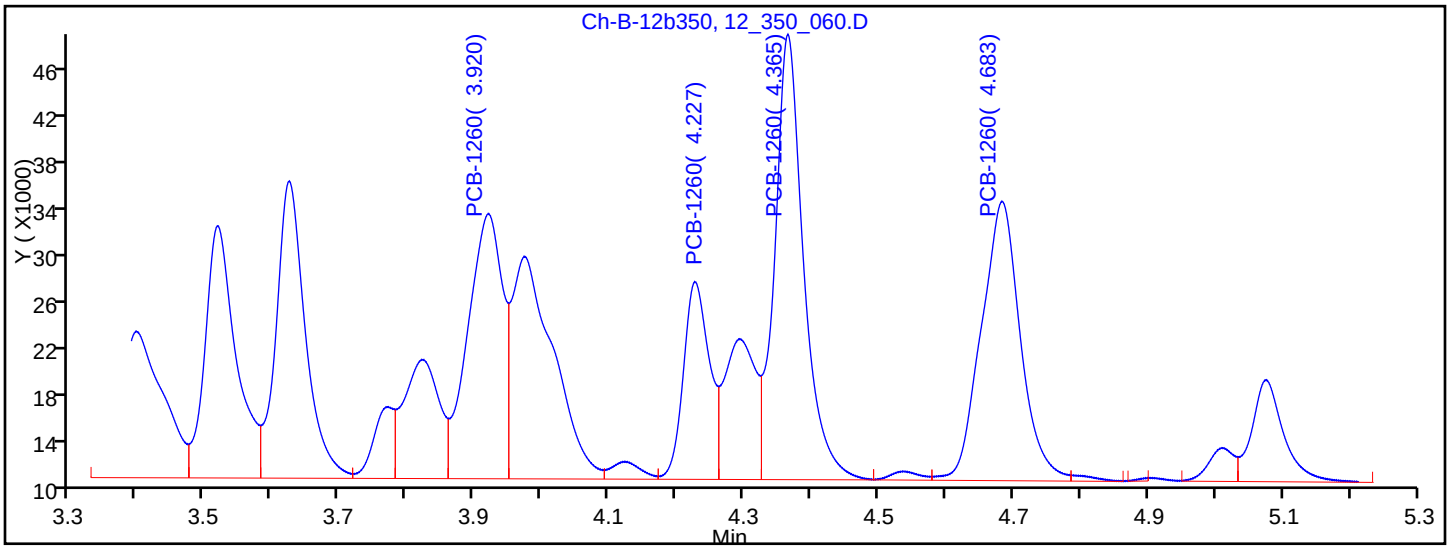
Processing Integration Results

RT = 3.920 Response = 81034

RT = 4.227 Response = 45090

RT = 4.365 Response = 112286

RT = 4.683 Response = 96915 M



Manual Integration Results

RT = 3.920 Response = 81034

RT = 4.227 Response = 45090

RT = 4.365 Response = 112286

RT = 4.683 Response = 95720 M

Reviewer: sobolk, 23-Nov-2015 16:57:52

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/14 Calibration Date: 11/23/2015 19:31

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_072.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	133866		0.469	0.500	-6.2	20.0
PCB-1016 Peak 2	Ave	83149	80814		0.486	0.500	-2.8	20.0
PCB-1016 Peak 3	Ave	238714	217004		0.455	0.500	-9.1	20.0
PCB-1016 Peak 4	Ave	103387	96292		0.466	0.500	-6.9	20.0
PCB-1260 Peak 1	Ave	257130	241954		0.470	0.500	-5.9	20.0
PCB-1260 Peak 2	Ave	221133	219740		0.497	0.500	-0.6	20.0
PCB-1260 Peak 3	Ave	222135	197312		0.444	0.500	-11.2	20.0
PCB-1260 Peak 4	Ave	301440	275480		0.457	0.500	-8.6	20.0
Tetrachloro-m-xylene	Ave	2805591	2597733		0.0278	0.0300	-7.4	20.0
DCB Decachlorobiphenyl	Ave	3471649	2751133		0.0238	0.0300	-20.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/14 Calibration Date: 11/23/2015 19:31

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_072.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.05	4.02	4.08
PCB-1260 Peak 2	4.27	4.24	4.30
PCB-1260 Peak 3	4.40	4.37	4.43
PCB-1260 Peak 4	4.78	4.75	4.81
Tetrachloro-m-xylene	1.58	1.55	1.61
DCB Decachlorobiphenyl	6.07	6.04	6.10

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_072.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 23-Nov-2015 19:31:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:20:05 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:20:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.584	1.584	0.000	77932	0.0300	0.0278	
2	1.225	1.225	0.000	45101	0.0300	0.0300	
						RPD = 7.71	
6 PCB-1016							M
1	2.130	2.130	0.000	66933	0.5000	0.4689	M
1	2.265	2.265	0.000	40407	0.5000	0.4860	
1	2.457	2.457	0.000	108502	0.5000	0.4545	
1	2.537	2.537	0.000	48146	0.5000	0.4657	
		Average of Peak Amounts =				0.4688	
2	1.863	1.863	0.000	62288	0.5000	0.5214	
2	2.146	2.146	0.000	76496	0.5000	0.5091	
2	2.256	2.256	0.000	34771	0.5000	0.4978	
2	2.610	2.610	0.000	38651	0.5000	0.5278	
		Average of Peak Amounts =				0.5141	
						RPD = 9.21	
9 PCB-1260							
1	4.049	4.049	0.000	120977	0.5000	0.4705	
1	4.265	4.265	0.000	109870	0.5000	0.4969	
1	4.397	4.397	0.000	98656	0.5000	0.4441	
1	4.781	4.781	0.000	137740	0.5000	0.4569	
		Average of Peak Amounts =				0.4671	
2	3.916	3.916	0.000	81381	0.5000	0.5177	
2	4.221	4.221	0.000	45875	0.5000	0.4943	
2	4.359	4.359	0.000	115397	0.5000	0.5388	
2	4.677	4.677	0.000	97927	0.5000	0.5348	
		Average of Peak Amounts =				0.5214	
						RPD = 10.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.066	6.066	0.000	82534	0.0300	0.0238	
2	5.552	5.552	0.000	72925	0.0300	0.0276	
						RPD = 14.88	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

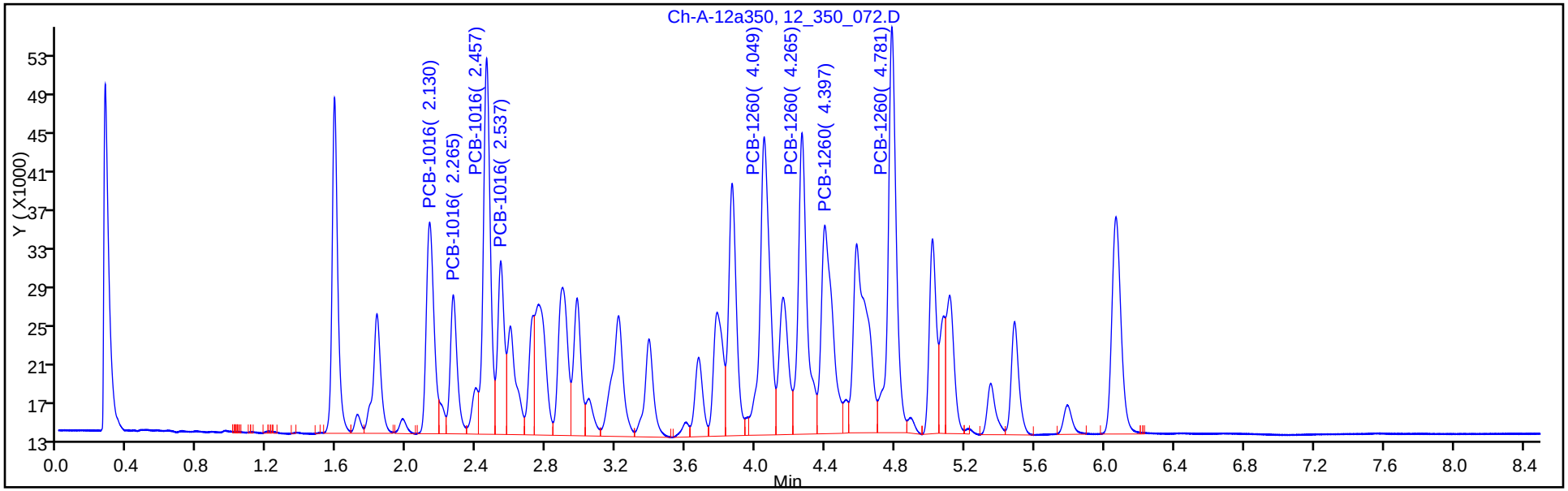
Report Date: 24-Nov-2015 09:20:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

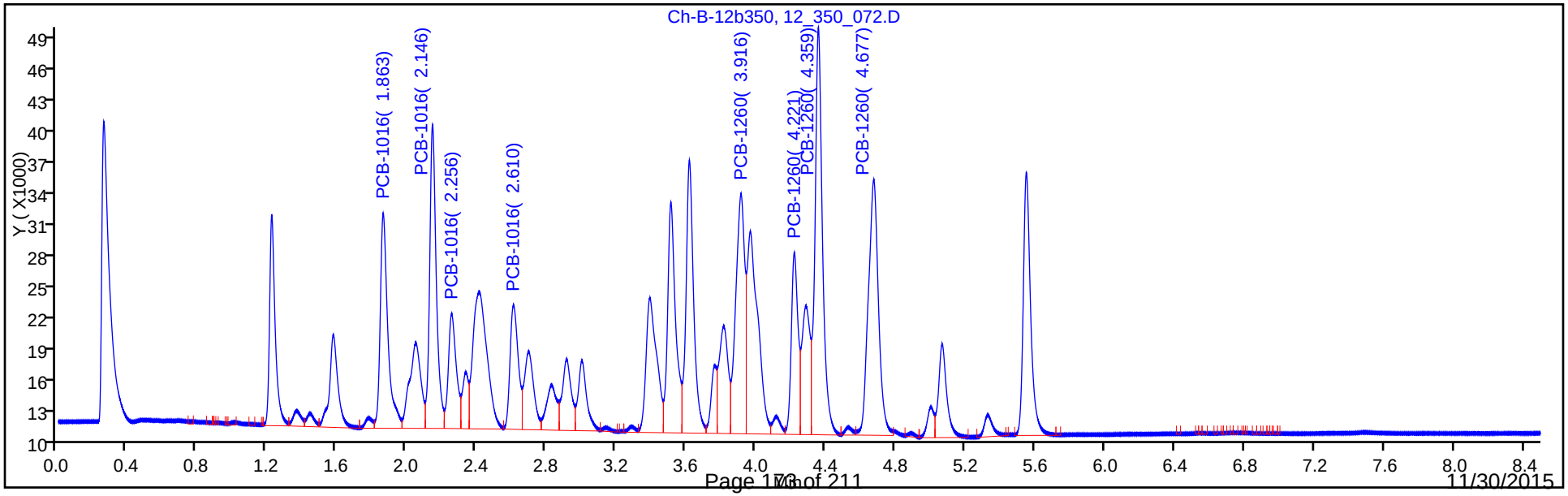
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_072.D

Injection Date:	23-Nov-2015 19:31:54	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 24-Nov-2015 09:20:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_072.D

Injection Date: 23-Nov-2015 19:31:54 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

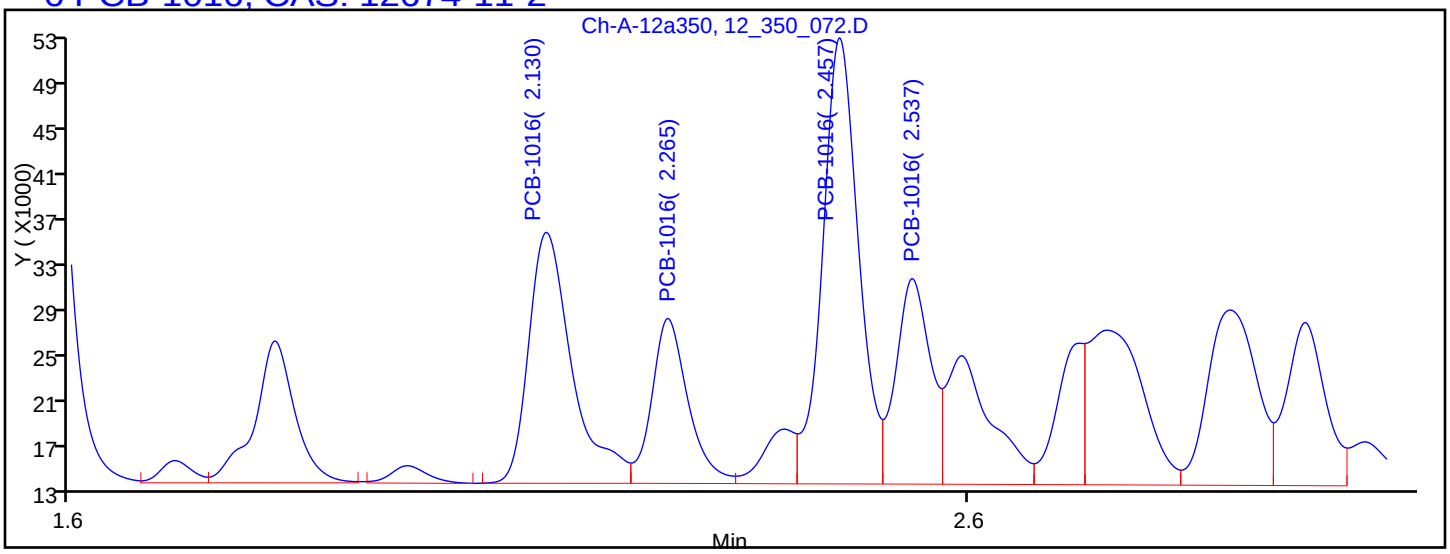
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



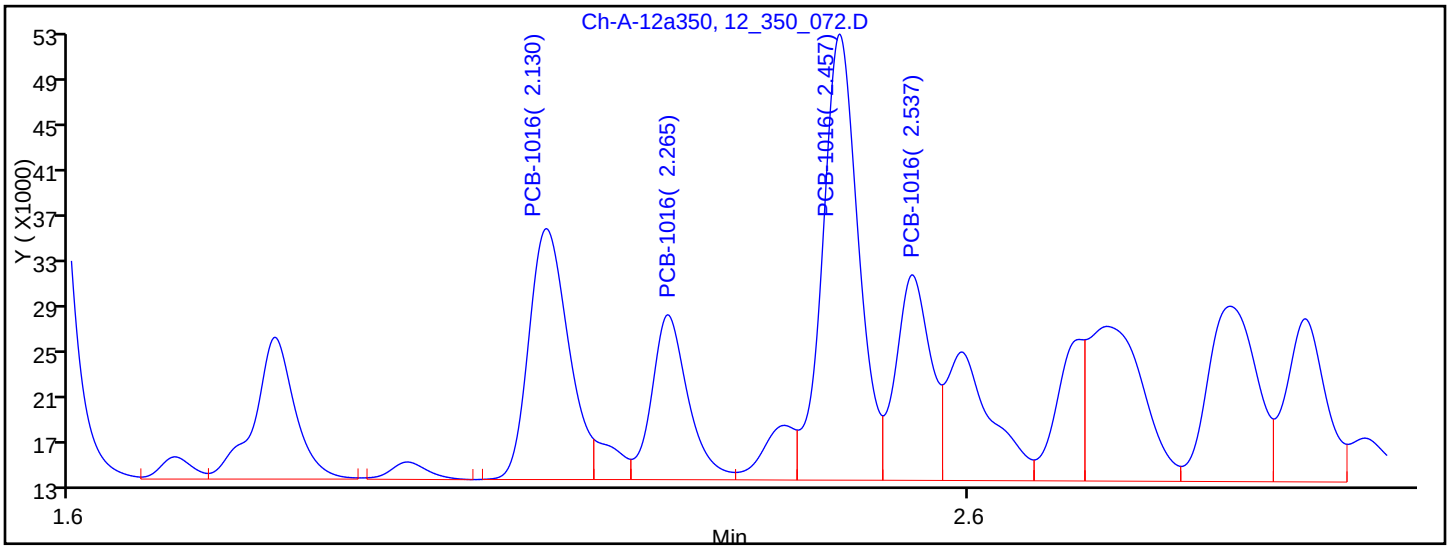
Processing Integration Results

RT = 2.130 Response = 73563 M

RT = 2.265 Response = 40407

RT = 2.457 Response = 108502

RT = 2.537 Response = 48146



Manual Integration Results

RT = 2.130 Response = 66933 M

RT = 2.265 Response = 40407

RT = 2.457 Response = 108502

RT = 2.537 Response = 48146

Reviewer: owenj, 24-Nov-2015 08:49:33

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/14 Calibration Date: 11/23/2015 19:31

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_072.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	124576		0.521	0.500	4.3	20.0
PCB-1016 Peak 2	Ave	150255	152992		0.509	0.500	1.8	20.0
PCB-1016 Peak 3	Ave	69844	69542		0.498	0.500	-0.4	20.0
PCB-1016 Peak 4	Ave	73226	77302		0.528	0.500	5.6	20.0
PCB-1260 Peak 1	Ave	157198	162762		0.518	0.500	3.5	20.0
PCB-1260 Peak 2	Ave	92802	91750		0.494	0.500	-1.1	20.0
PCB-1260 Peak 3	Ave	214168	230794		0.539	0.500	7.8	20.0
PCB-1260 Peak 4	Ave	183120	195854		0.535	0.500	7.0	20.0
Tetrachloro-m-xylene	Ave	1503189	1503367		0.0300	0.0300	0.0	20.0
DCB Decachlorobiphenyl	Ave	2642617	2430833		0.0276	0.0300	-8.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/14 Calibration Date: 11/23/2015 19:31

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_072.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.86	1.83	1.89
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.61	2.58	2.64
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.22	4.19	4.25
PCB-1260 Peak 3	4.36	4.33	4.39
PCB-1260 Peak 4	4.68	4.65	4.71
Tetrachloro-m-xylene	1.23	1.20	1.26
DCB Decachlorobiphenyl	5.55	5.52	5.58

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_072.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 23-Nov-2015 19:31:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:20:05 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:20:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.584	1.584	0.000	77932	0.0300	0.0278	
2	1.225	1.225	0.000	45101	0.0300	0.0300	
						RPD = 7.71	
6 PCB-1016							M
1	2.130	2.130	0.000	66933	0.5000	0.4689	M
1	2.265	2.265	0.000	40407	0.5000	0.4860	
1	2.457	2.457	0.000	108502	0.5000	0.4545	
1	2.537	2.537	0.000	48146	0.5000	0.4657	
		Average of Peak Amounts =				0.4688	
2	1.863	1.863	0.000	62288	0.5000	0.5214	
2	2.146	2.146	0.000	76496	0.5000	0.5091	
2	2.256	2.256	0.000	34771	0.5000	0.4978	
2	2.610	2.610	0.000	38651	0.5000	0.5278	
		Average of Peak Amounts =				0.5141	
						RPD = 9.21	
9 PCB-1260							
1	4.049	4.049	0.000	120977	0.5000	0.4705	
1	4.265	4.265	0.000	109870	0.5000	0.4969	
1	4.397	4.397	0.000	98656	0.5000	0.4441	
1	4.781	4.781	0.000	137740	0.5000	0.4569	
		Average of Peak Amounts =				0.4671	
2	3.916	3.916	0.000	81381	0.5000	0.5177	
2	4.221	4.221	0.000	45875	0.5000	0.4943	
2	4.359	4.359	0.000	115397	0.5000	0.5388	
2	4.677	4.677	0.000	97927	0.5000	0.5348	
		Average of Peak Amounts =				0.5214	
						RPD = 10.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.066	6.066	0.000	82534	0.0300	0.0238	
2	5.552	5.552	0.000	72925	0.0300	0.0276	
						RPD = 14.88	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

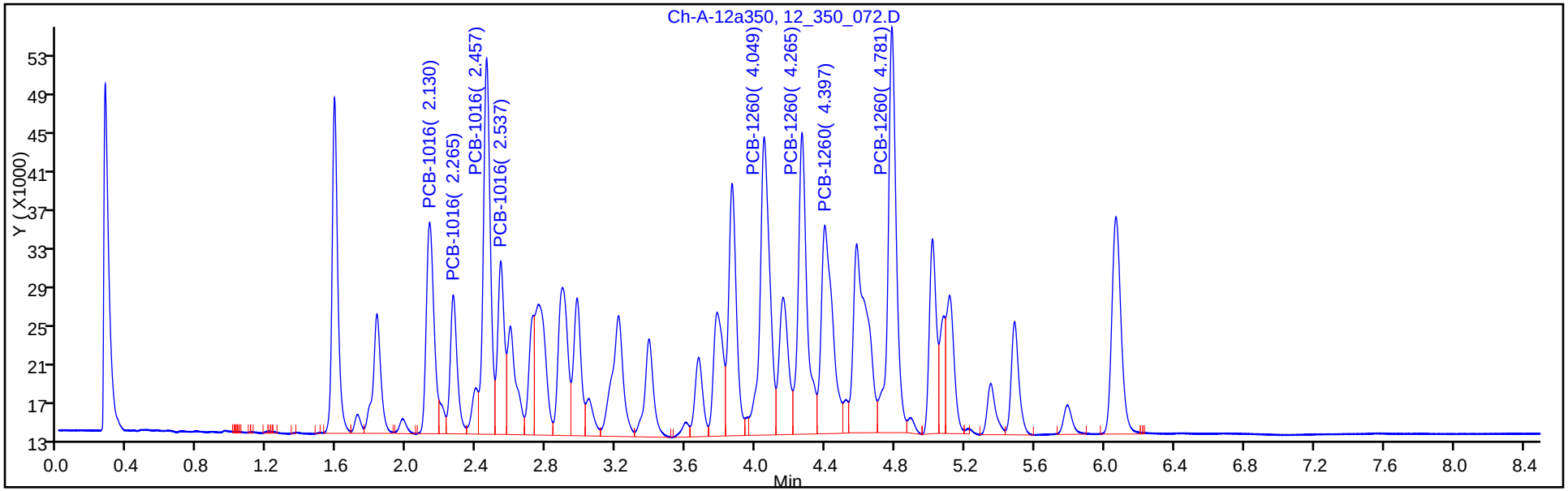
Report Date: 24-Nov-2015 09:20:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

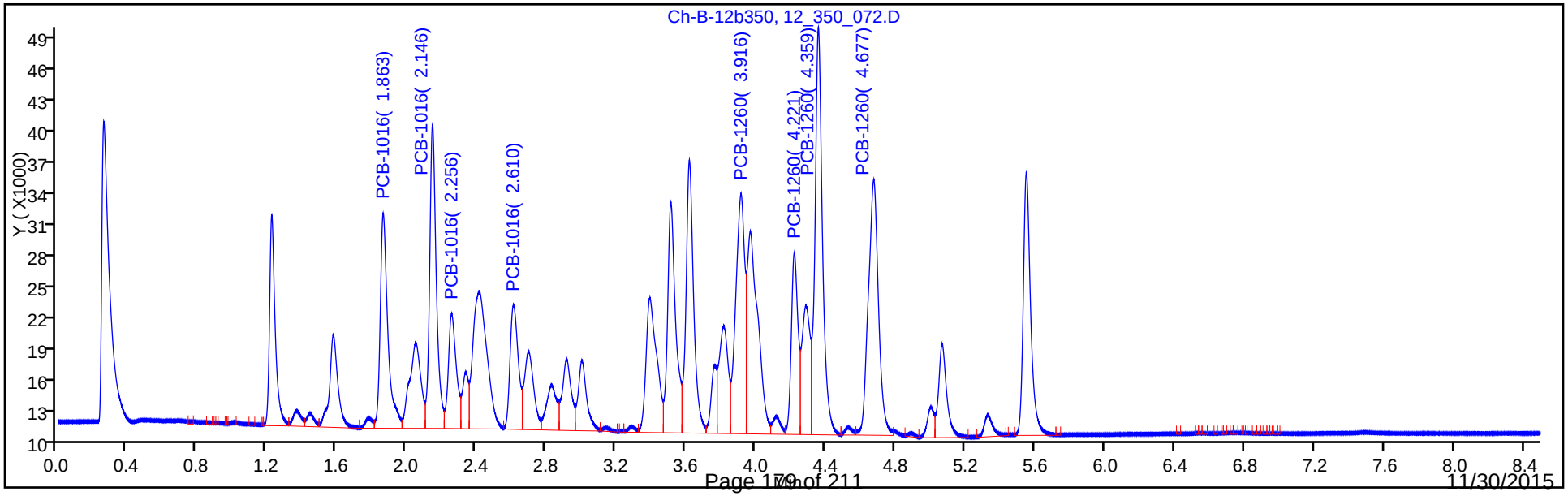
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_072.D

Injection Date:	23-Nov-2015 19:31:54	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/20 Calibration Date: 11/23/2015 21:00

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_078.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	142733	137992		0.483	0.500	-3.3	20.0
PCB-1016 Peak 2	Ave	83149	80024		0.481	0.500	-3.8	20.0
PCB-1016 Peak 3	Ave	238714	213420		0.447	0.500	-10.6	20.0
PCB-1016 Peak 4	Ave	103387	93080		0.450	0.500	-10.0	20.0
PCB-1260 Peak 1	Ave	257130	222576		0.433	0.500	-13.4	20.0
PCB-1260 Peak 2	Ave	221133	201450		0.455	0.500	-8.9	20.0
PCB-1260 Peak 3	Ave	222135	179128		0.403	0.500	-19.4	20.0
PCB-1260 Peak 4	Ave	301440	246100		0.408	0.500	-18.4	20.0
Tetrachloro-m-xylene	Ave	2805591	2628067		0.0281	0.0300	-6.3	20.0
DCB Decachlorobiphenyl	Ave	3471649	2384000		0.0206	0.0300	-31.3*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/20 Calibration Date: 11/23/2015 21:00

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_078.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.46	2.43	2.49
PCB-1016 Peak 4	2.54	2.51	2.57
PCB-1260 Peak 1	4.05	4.02	4.08
PCB-1260 Peak 2	4.27	4.24	4.30
PCB-1260 Peak 3	4.40	4.37	4.43
PCB-1260 Peak 4	4.78	4.75	4.81
Tetrachloro-m-xylene	1.59	1.56	1.62
DCB Decachlorobiphenyl	6.07	6.04	6.10

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_078.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 23-Nov-2015 21:00:36 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:20:36 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:20:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.585	1.585	0.000	78842	0.0300	0.0281	
2	1.224	1.224	0.000	45448	0.0300	0.0302	
						RPD = 7.31	
6 PCB-1016							M
1	2.131	2.131	0.000	68996	0.5000	0.4834	M
1	2.267	2.267	0.000	40012	0.5000	0.4812	
1	2.459	2.459	0.000	106710	0.5000	0.4470	
1	2.540	2.540	0.000	46540	0.5000	0.4502	
		Average of Peak Amounts =				0.4654	
2	1.864	1.864	0.000	62480	0.5000	0.5231	
2	2.148	2.148	0.000	77353	0.5000	0.5148	
2	2.257	2.257	0.000	35118	0.5000	0.5028	
2	2.613	2.613	0.000	38558	0.5000	0.5266	
		Average of Peak Amounts =				0.5168	
						RPD = 10.46	
9 PCB-1260							
1	4.051	4.051	0.000	111288	0.5000	0.4328	
1	4.268	4.268	0.000	100725	0.5000	0.4555	
1	4.400	4.400	0.000	89564	0.5000	0.4032	
1	4.784	4.784	0.000	123050	0.5000	0.4082	
		Average of Peak Amounts =				0.4249	
2	3.918	3.918	0.000	77804	0.5000	0.4949	
2	4.225	4.225	0.000	41352	0.5000	0.4456	
2	4.363	4.363	0.000	106523	0.5000	0.4974	
2	4.679	4.679	0.000	88444	0.5000	0.4830	
		Average of Peak Amounts =				0.4802	
						RPD = 12.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.070	6.070	0.000	71520	0.0300	0.0206	
2	5.555	5.555	0.000	64707	0.0300	0.0245	
						RPD = 17.23	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

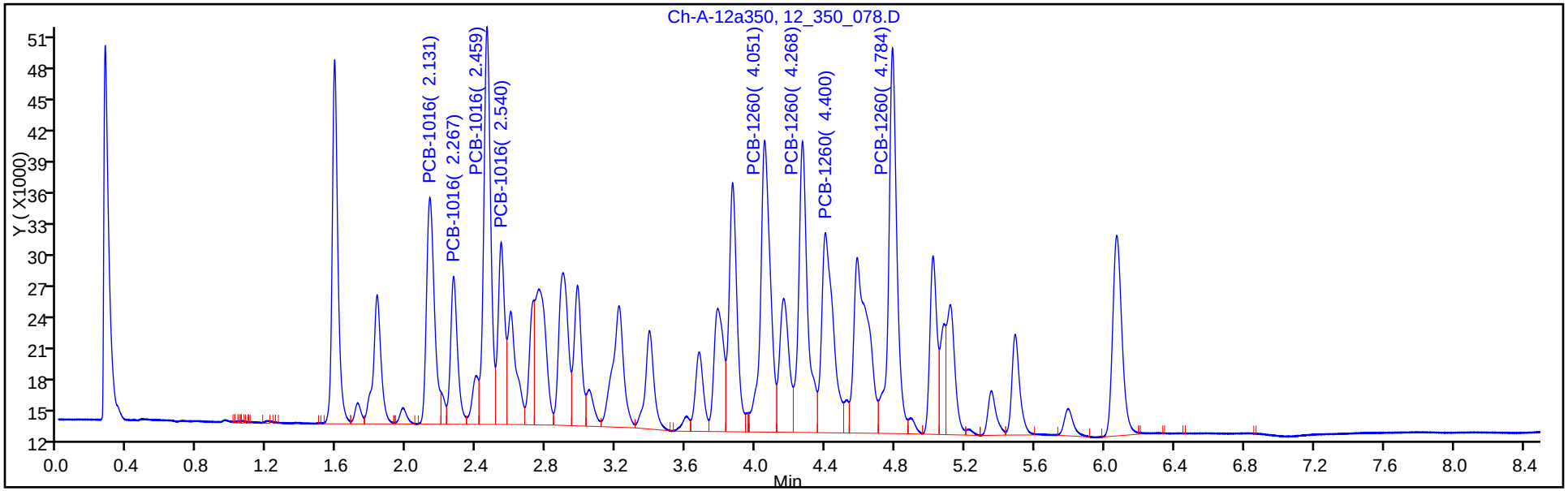
Report Date: 24-Nov-2015 09:20:37 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

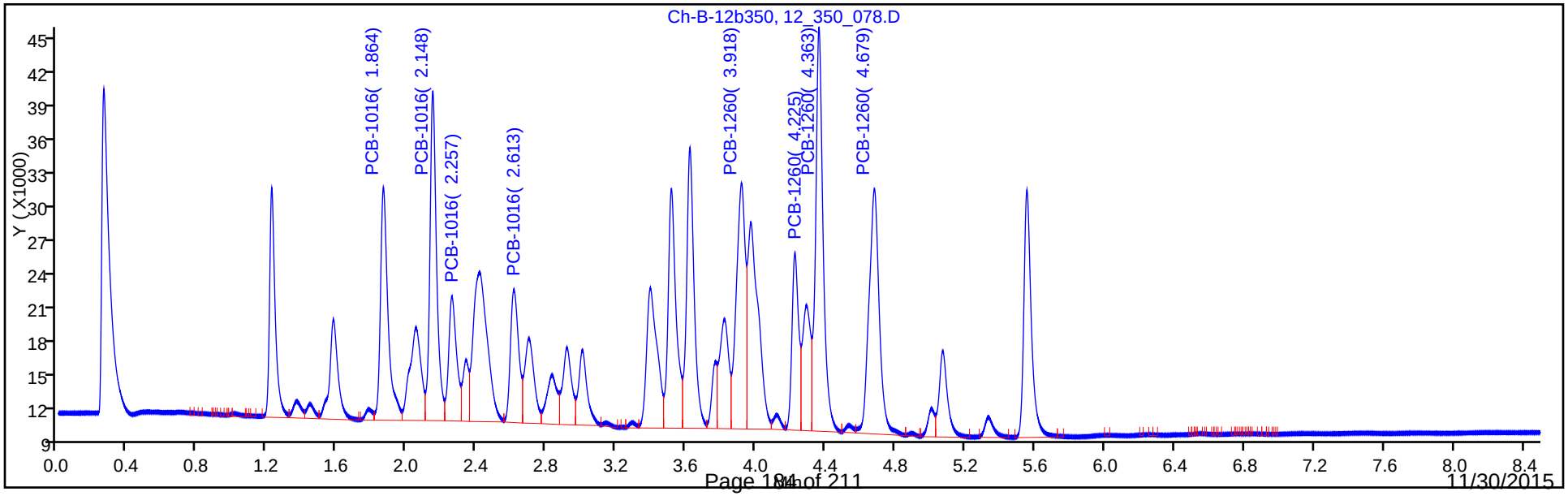
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_078.D

Injection Date:	23-Nov-2015 21:00:36	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)

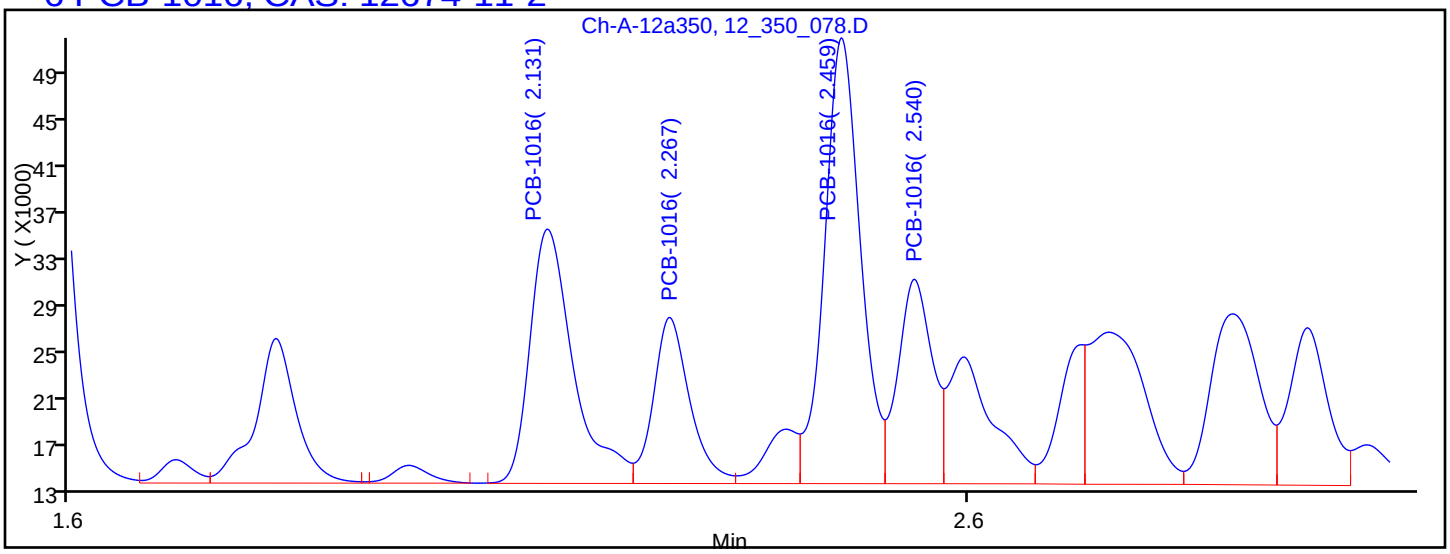


Report Date: 24-Nov-2015 09:20:37 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

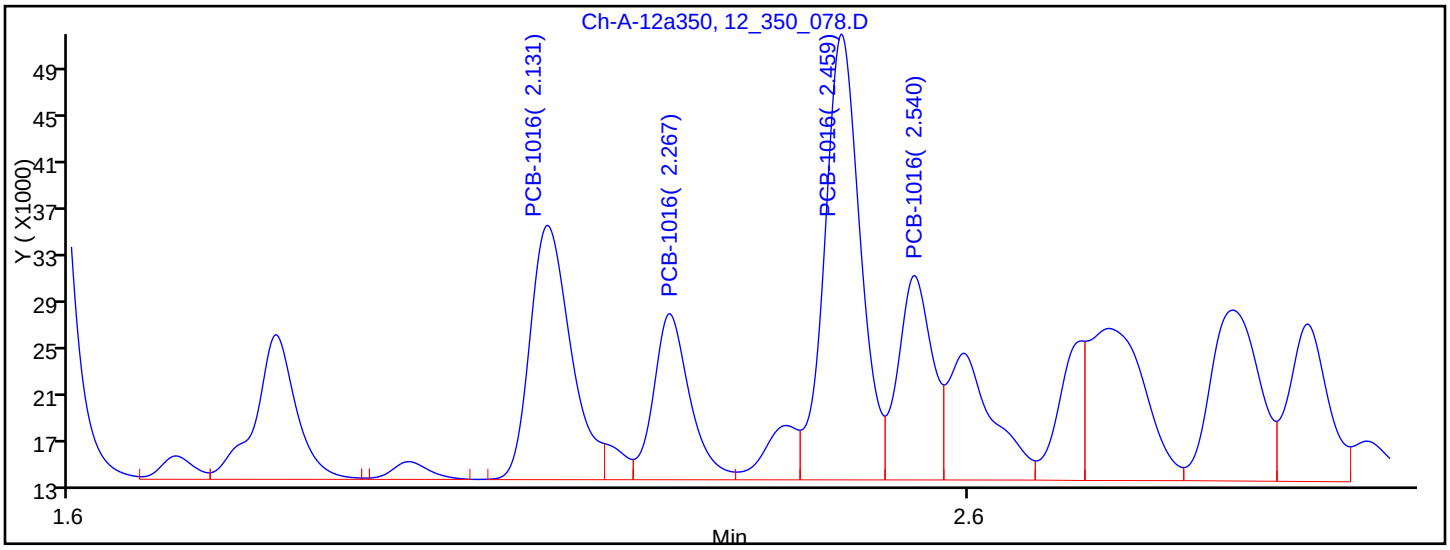
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_078.D
Injection Date: 23-Nov-2015 21:00:36 Instrument ID: HP5890-12
Lims ID: CCV
Client ID:
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL
Column: ZB-5 (0.25 mm) Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.131 Response = 73678 M
RT = 2.267 Response = 40012
RT = 2.459 Response = 106710
RT = 2.540 Response = 46540



Manual Integration Results

RT = 2.131 Response = 68996 M
RT = 2.267 Response = 40012
RT = 2.459 Response = 106710
RT = 2.540 Response = 46540

Reviewer: owenj, 24-Nov-2015 08:58:50
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/20 Calibration Date: 11/23/2015 21:00

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_078.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	119453	124960		0.523	0.500	4.6	20.0
PCB-1016 Peak 2	Ave	150255	154706		0.515	0.500	3.0	20.0
PCB-1016 Peak 3	Ave	69844	70236		0.503	0.500	0.6	20.0
PCB-1016 Peak 4	Ave	73226	77116		0.527	0.500	5.3	20.0
PCB-1260 Peak 1	Ave	157198	155608		0.495	0.500	-1.0	20.0
PCB-1260 Peak 2	Ave	92802	82704		0.446	0.500	-10.9	20.0
PCB-1260 Peak 3	Ave	214168	213046		0.497	0.500	-0.5	20.0
PCB-1260 Peak 4	Ave	183120	176888		0.483	0.500	-3.4	20.0
Tetrachloro-m-xylene	Ave	1503189	1514933		0.0302	0.0300	0.8	20.0
DCB Decachlorobiphenyl	Ave	2642617	2156900		0.0245	0.0300	-18.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Lab Sample ID: CCV 480-276545/20 Calibration Date: 11/23/2015 21:00

Instrument ID: HP5890-12 Calib Start Date: 08/01/2015 13:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 08/01/2015 14:43

Lab File ID: 12_350_078.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.86	1.83	1.89
PCB-1016 Peak 2	2.15	2.12	2.18
PCB-1016 Peak 3	2.26	2.23	2.29
PCB-1016 Peak 4	2.61	2.58	2.64
PCB-1260 Peak 1	3.92	3.89	3.95
PCB-1260 Peak 2	4.23	4.20	4.26
PCB-1260 Peak 3	4.36	4.33	4.39
PCB-1260 Peak 4	4.68	4.65	4.71
Tetrachloro-m-xylene	1.22	1.19	1.25
DCB Decachlorobiphenyl	5.56	5.53	5.59

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_078.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 23-Nov-2015 21:00:36 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub21

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:20:36 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:20:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.585	1.585	0.000	78842	0.0300	0.0281	
2	1.224	1.224	0.000	45448	0.0300	0.0302	
						RPD = 7.31	
6 PCB-1016							M
1	2.131	2.131	0.000	68996	0.5000	0.4834	M
1	2.267	2.267	0.000	40012	0.5000	0.4812	
1	2.459	2.459	0.000	106710	0.5000	0.4470	
1	2.540	2.540	0.000	46540	0.5000	0.4502	
		Average of Peak Amounts =				0.4654	
2	1.864	1.864	0.000	62480	0.5000	0.5231	
2	2.148	2.148	0.000	77353	0.5000	0.5148	
2	2.257	2.257	0.000	35118	0.5000	0.5028	
2	2.613	2.613	0.000	38558	0.5000	0.5266	
		Average of Peak Amounts =				0.5168	
						RPD = 10.46	
9 PCB-1260							
1	4.051	4.051	0.000	111288	0.5000	0.4328	
1	4.268	4.268	0.000	100725	0.5000	0.4555	
1	4.400	4.400	0.000	89564	0.5000	0.4032	
1	4.784	4.784	0.000	123050	0.5000	0.4082	
		Average of Peak Amounts =				0.4249	
2	3.918	3.918	0.000	77804	0.5000	0.4949	
2	4.225	4.225	0.000	41352	0.5000	0.4456	
2	4.363	4.363	0.000	106523	0.5000	0.4974	
2	4.679	4.679	0.000	88444	0.5000	0.4830	
		Average of Peak Amounts =				0.4802	
						RPD = 12.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl							
1	6.070	6.070	0.000	71520	0.0300	0.0206	
2	5.555	5.555	0.000	64707	0.0300	0.0245	
						RPD = 17.23	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00104	Amount Added:	1.00	Units: mL	
COPPER_00057	Amount Added:	1.00	Units: mL	Run Reagent

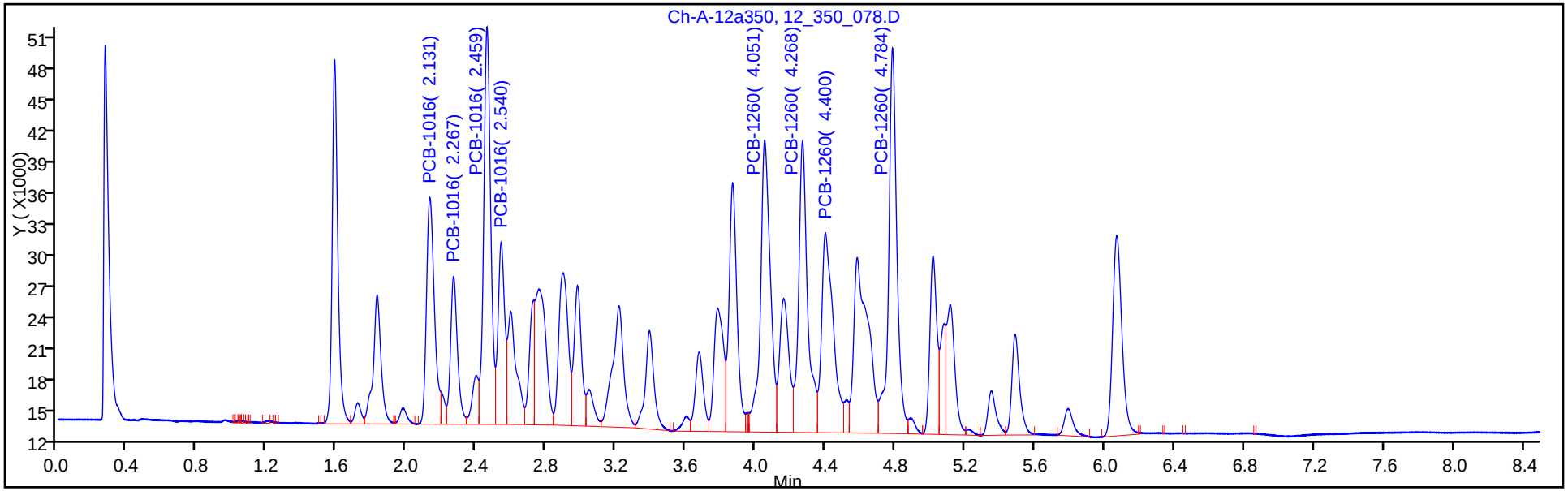
Report Date: 24-Nov-2015 09:20:37 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

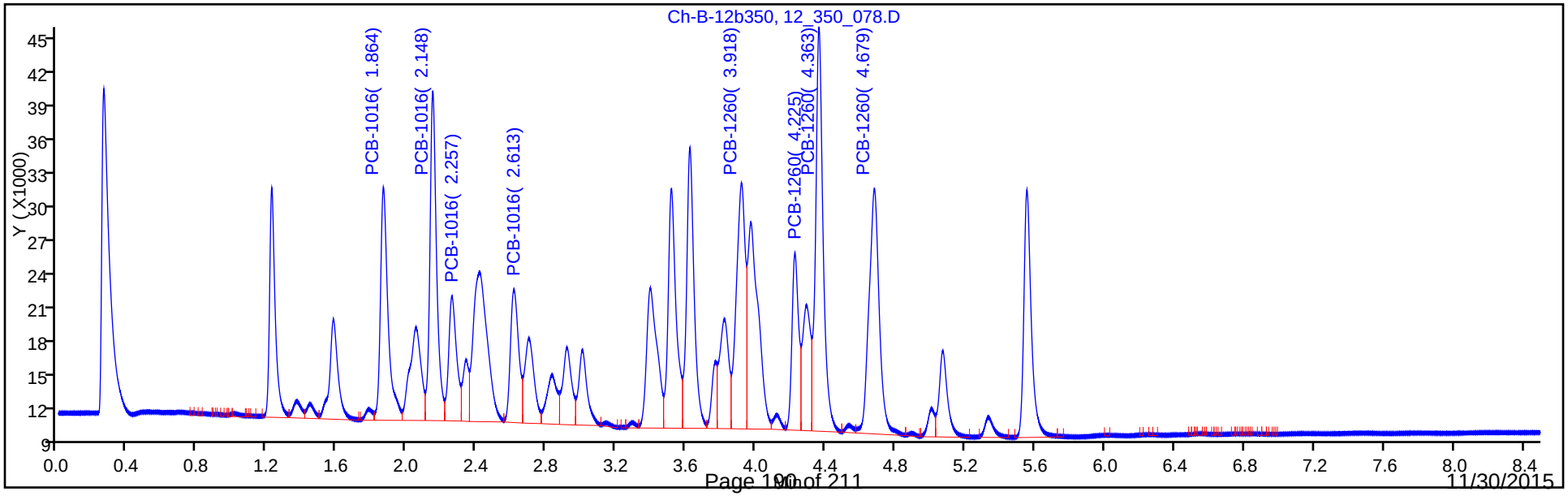
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_078.D

Injection Date:	23-Nov-2015 21:00:36	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	CCV			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-276503/1-A

Matrix: Solid | Lab File ID: 12_350_062.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/23/2015 12:01

Sample wt/vol: 2.5(g) | Date Analyzed: 11/23/2015 17:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 276545 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.20	0.039
11104-28-2	PCB-1221	ND		0.20	0.039
11141-16-5	PCB-1232	ND		0.20	0.039
53469-21-9	PCB-1242	ND		0.20	0.039
12672-29-6	PCB-1248	ND		0.20	0.039
11097-69-1	PCB-1254	ND		0.20	0.094
11096-82-5	PCB-1260	ND		0.20	0.094

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		60-154
2051-24-3	DCB Decachlorobiphenyl	103		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_062.D
Lims ID: MB 480-276503/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Nov-2015 17:03:52 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:00:51 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:00:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.588	1.586	0.002	55823	0.0200	0.0199	
2	1.226	1.225	0.001	29683	0.0200	0.0197	
						RPD = 0.76	
$ 12 DCB Decachlorobiphenyl							
1	6.077	6.075	0.002	63626	0.0200	0.0183	
2	5.560	5.559	0.001	54384	0.0200	0.0206	
						RPD = 11.58	

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

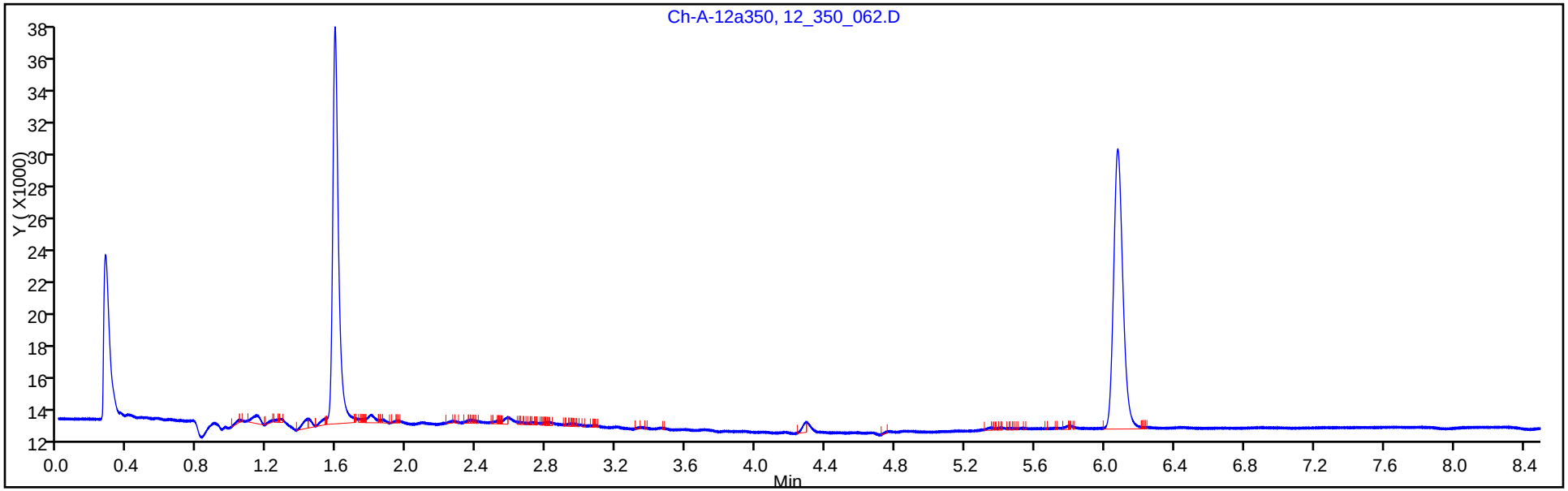
Report Date: 24-Nov-2015 09:00:52 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

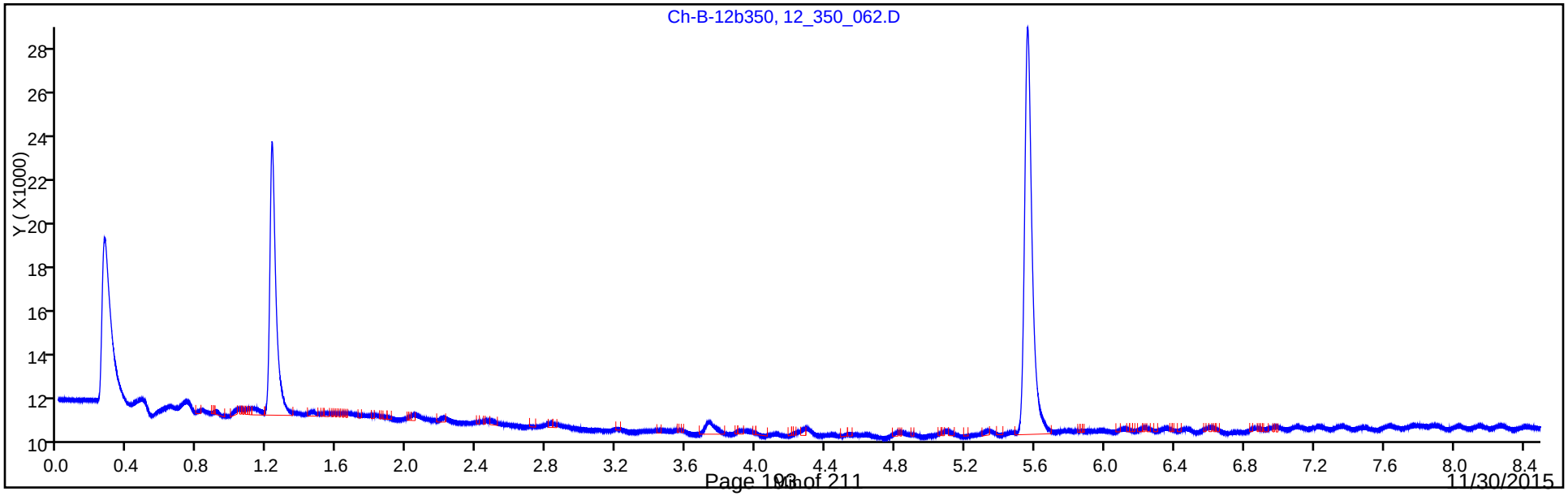
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_062.D

Injection Date:	23-Nov-2015 17:03:52	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	MB 480-276503/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-276503/2-A

Matrix: Solid | Lab File ID: 12_350_063.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/23/2015 12:01

Sample wt/vol: 2.5(g) | Date Analyzed: 11/23/2015 17:18

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 276545 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.44		0.20	0.039
11096-82-5	PCB-1260	2.47		0.20	0.094

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	115		60-154
2051-24-3	DCB Decachlorobiphenyl	117		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_063.D
Lims ID: LCS 480-276503/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Nov-2015 17:18:40 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 24-Nov-2015 09:01:29 Calib Date: 01-Aug-2015 19:42:19
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20150801-45014.b\12_339_318.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK037

First Level Reviewer: owenj Date: 24-Nov-2015 09:01:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene							
1	1.587	1.586	0.001	68583	0.0200	0.0244	
2	1.227	1.225	0.002	34687	0.0200	0.0231	
						RPD = 5.76	
6 PCB-1016							M
1	2.133	2.132	0.001	80213	0.5000	0.5620	M
1	2.269	2.269	0.000	49050	0.5000	0.5899	
1	2.461	2.460	0.001	130178	0.5000	0.5453	
1	2.542	2.541	0.001	56549	0.5000	0.5470	
		Average of Peak Amounts =				0.5610	
2	1.866	1.866	0.000	71926	0.5000	0.6021	
2	2.151	2.149	0.002	92948	0.5000	0.6186	
2	2.259	2.259	0.000	41209	0.5000	0.5900	
2	2.615	2.615	0.000	46017	0.5000	0.6284	
		Average of Peak Amounts =				0.6098	
						RPD = 8.33	
9 PCB-1260							
1	4.055	4.053	0.002	158283	0.5000	0.6156	
1	4.272	4.271	0.001	150154	0.5000	0.6790	
1	4.403	4.401	0.002	113647	0.5000	0.5116	
1	4.788	4.787	0.001	147500	0.5000	0.4893	
		Average of Peak Amounts =				0.5739	
2	3.923	3.920	0.003	119179	0.5000	0.7581	
2	4.228	4.227	0.001	52126	0.5000	0.5617	
2	4.366	4.365	0.001	125956	0.5000	0.5881	
2	4.685	4.683	0.002	102864	0.5000	0.5617	
		Average of Peak Amounts =				0.6174	
						RPD = 7.31	
$ 12 DCB Decachlorobiphenyl							
1	6.075	6.075	0.000	69871	0.0200	0.0201	
2	5.561	5.559	0.002	61675	0.0200	0.0233	
						RPD = 14.78	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00057 Amount Added: 1.00 Units: mL Run Reagent

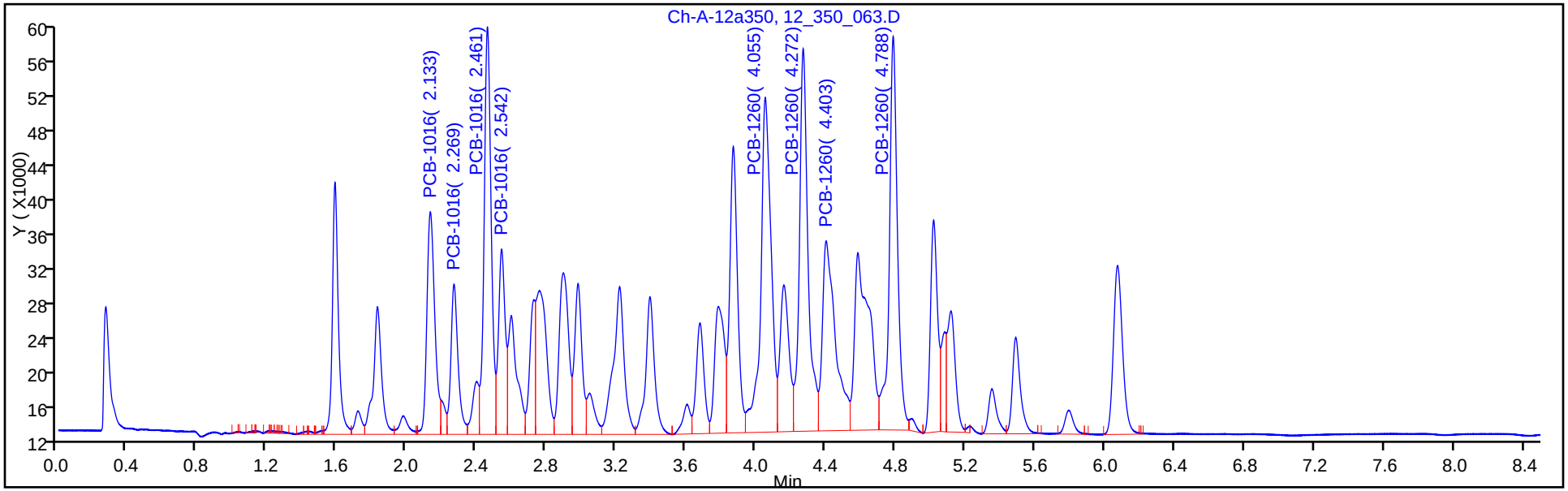
Report Date: 24-Nov-2015 09:01:31 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

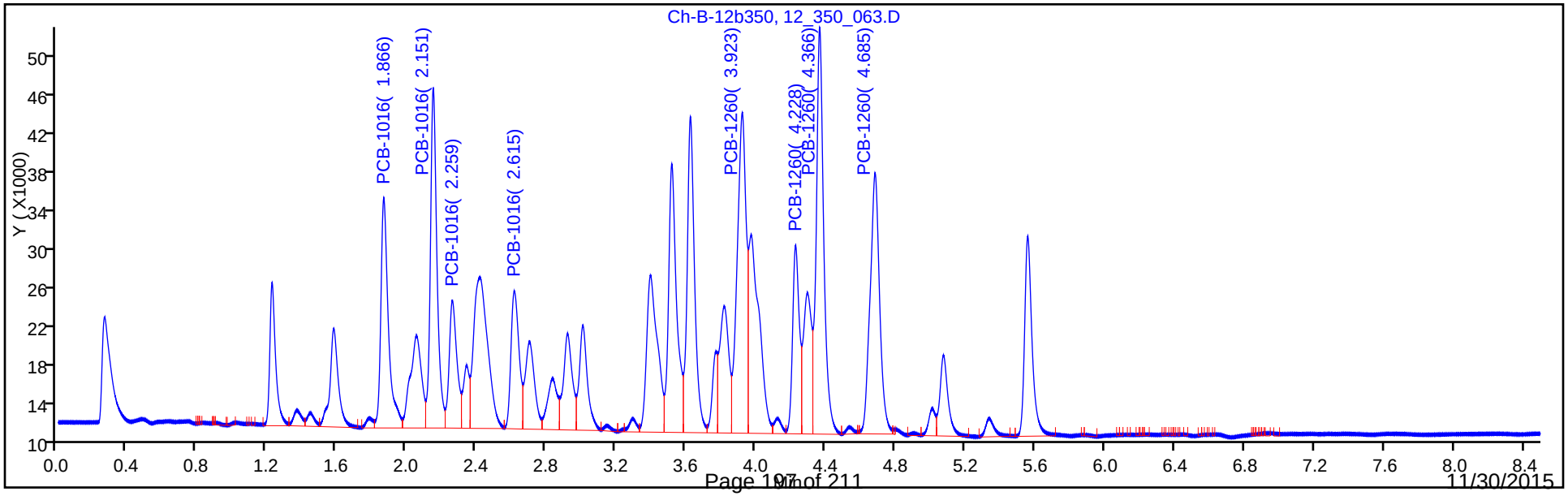
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_063.D

Injection Date:	23-Nov-2015 17:18:40	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	LCS 480-276503/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Column: ZB-35 (0.53 mm)



Report Date: 24-Nov-2015 09:01:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

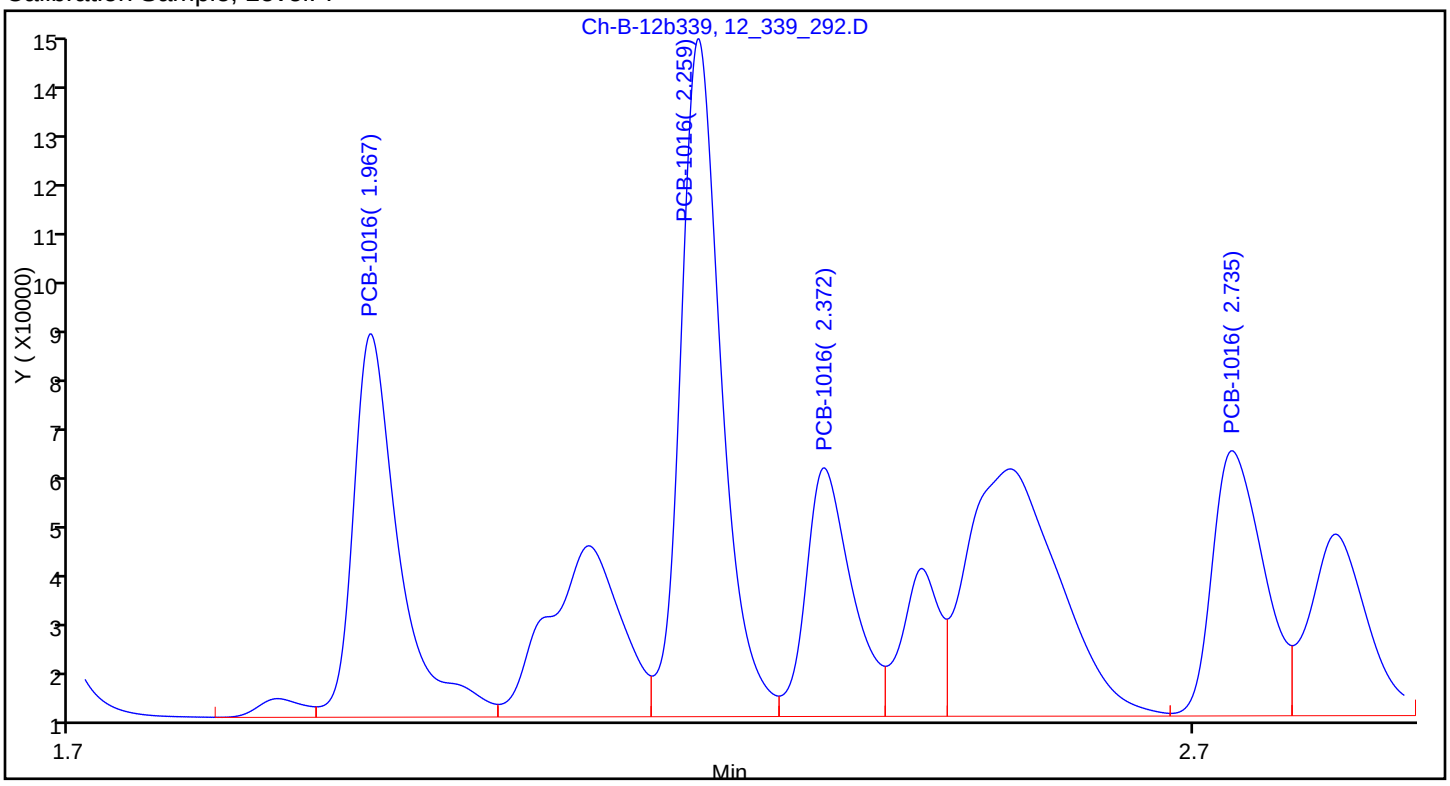
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_063.D

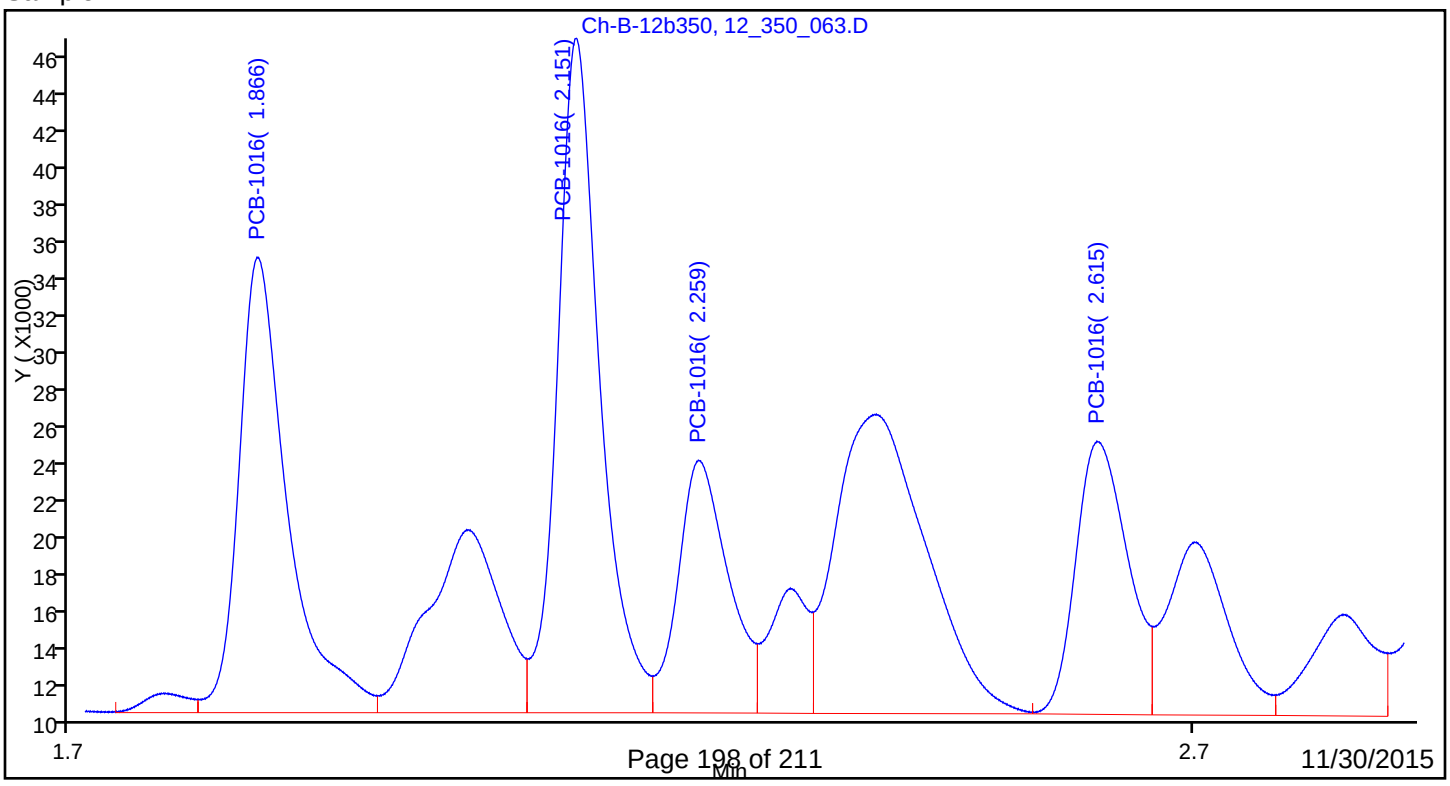
Injection Date:	23-Nov-2015 17:18:40	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-276503/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 24-Nov-2015 09:01:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

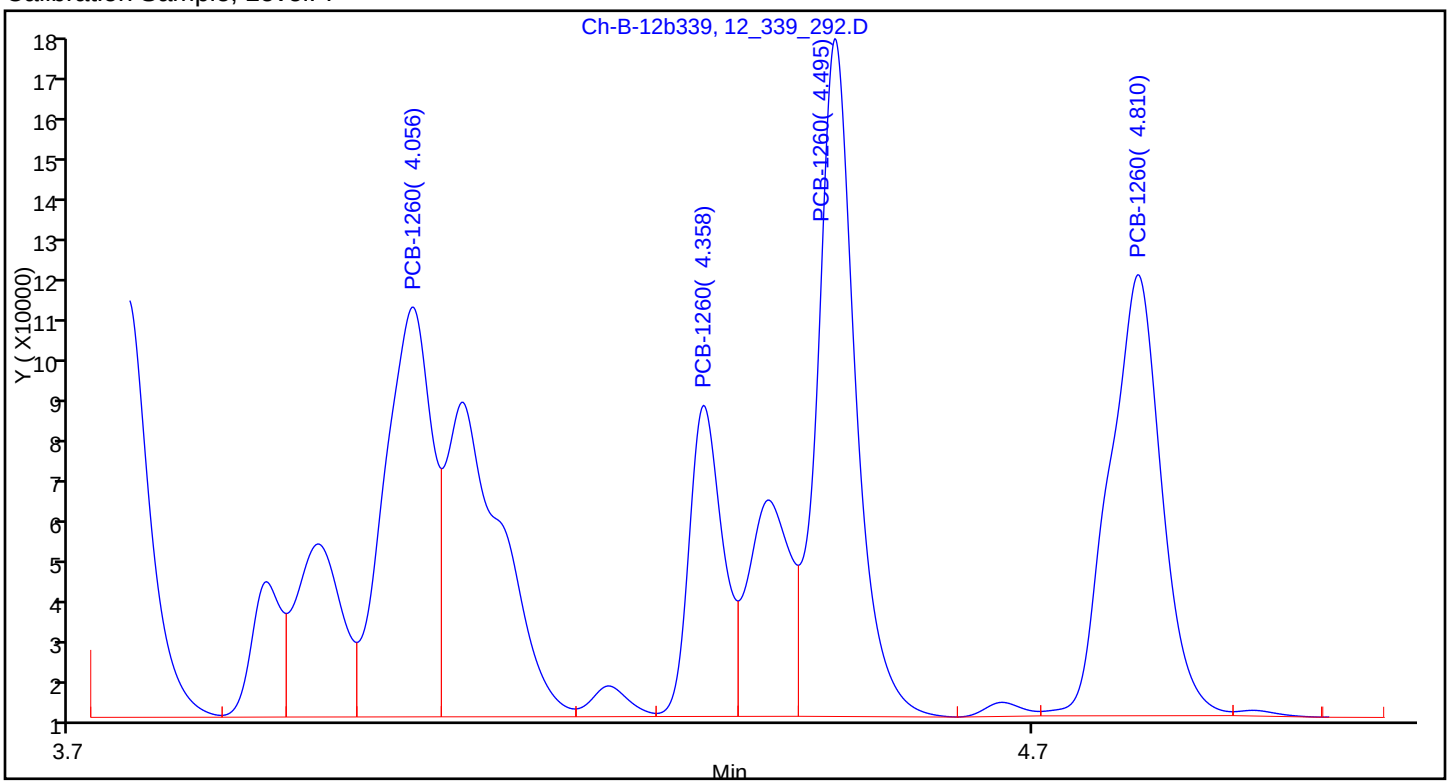
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20151123-48632.b\12_350_063.D

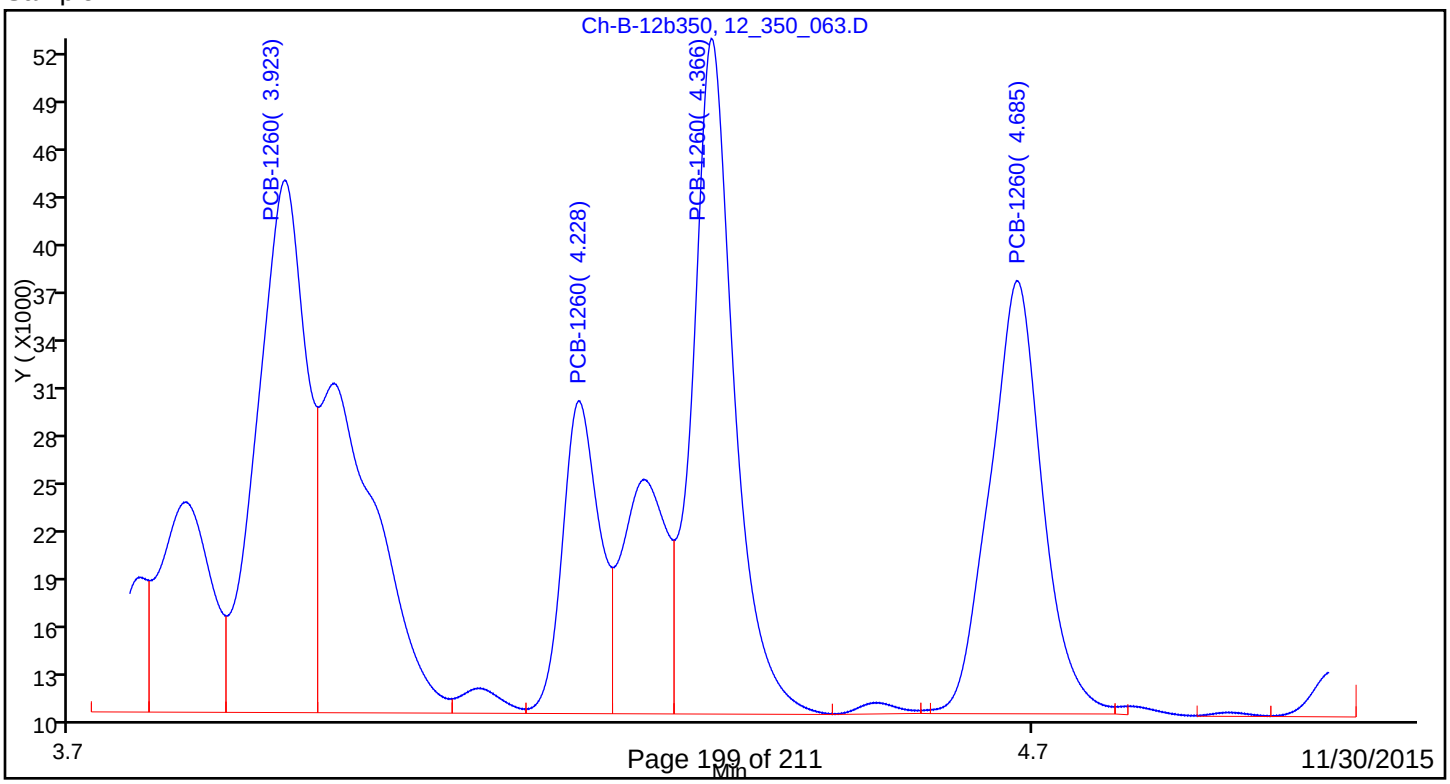
Injection Date:	23-Nov-2015 17:18:40	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-276503/2-A				
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 08/01/2015 13:14

Analysis Batch Number: 256564 End Date: 08/03/2015 14:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-256564/2		08/01/2015 13:14	1	12_339_292.D	ZB-5 0.25(mm)
IC 480-256564/2		08/01/2015 13:14	1	12_339_292.D	ZB-35 0.53(mm)
IC 480-256564/3		08/01/2015 13:29	1	12_339_293.D	ZB-5 0.25(mm)
IC 480-256564/3		08/01/2015 13:29	1	12_339_293.D	ZB-35 0.53(mm)
IC 480-256564/4		08/01/2015 13:43	1	12_339_294.D	ZB-5 0.25(mm)
IC 480-256564/4		08/01/2015 13:43	1	12_339_294.D	ZB-35 0.53(mm)
IC 480-256564/5		08/01/2015 13:58	1	12_339_295.D	ZB-5 0.25(mm)
IC 480-256564/5		08/01/2015 13:58	1	12_339_295.D	ZB-35 0.53(mm)
IC 480-256564/6		08/01/2015 14:13	1	12_339_296.D	ZB-5 0.25(mm)
IC 480-256564/6		08/01/2015 14:13	1	12_339_296.D	ZB-35 0.53(mm)
IC 480-256564/7		08/01/2015 14:28	1	12_339_297.D	ZB-5 0.25(mm)
IC 480-256564/7		08/01/2015 14:28	1	12_339_297.D	ZB-35 0.53(mm)
IC 480-256564/8		08/01/2015 14:43	1	12_339_298.D	ZB-5 0.25(mm)
IC 480-256564/8		08/01/2015 14:43	1	12_339_298.D	ZB-35 0.53(mm)
IC 480-256564/12		08/01/2015 15:43	1	12_339_302.D	ZB-5 0.25(mm)
IC 480-256564/12		08/01/2015 15:43	1	12_339_302.D	ZB-35 0.53(mm)
ICV 480-256564/14		08/01/2015 16:13	1		ZB-5 0.25(mm)
ICV 480-256564/14		08/01/2015 16:13	1		ZB-35 0.53(mm)
IC 480-256564/17		08/01/2015 16:58	1	12_339_307.D	ZB-5 0.25(mm)
IC 480-256564/17		08/01/2015 16:58	1	12_339_307.D	ZB-35 0.53(mm)
ICV 480-256564/19		08/01/2015 17:28	1		ZB-5 0.25(mm)
ICV 480-256564/19		08/01/2015 17:28	1		ZB-35 0.53(mm)
IC 480-256564/22		08/01/2015 18:12	1	12_339_312.D	ZB-5 0.25(mm)
IC 480-256564/22		08/01/2015 18:12	1	12_339_312.D	ZB-35 0.53(mm)
ICV 480-256564/24		08/01/2015 18:42	1		ZB-5 0.25(mm)
ICV 480-256564/24		08/01/2015 18:42	1		ZB-35 0.53(mm)
IC 480-256564/27		08/01/2015 19:27	1	12_339_317.D	ZB-5 0.25(mm)
IC 480-256564/27		08/01/2015 19:27	1	12_339_317.D	ZB-35 0.53(mm)
ICV 480-256564/9		08/03/2015 14:39	1		ZB-5 0.25(mm)
ICV 480-256564/9		08/03/2015 14:39	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 11/23/2015 16:34

Analysis Batch Number: 276545 End Date: 11/23/2015 21:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-276545/2		11/23/2015 16:34	1	12_350_060.D	ZB-5 0.25(mm)
CCV 480-276545/2		11/23/2015 16:34	1	12_350_060.D	ZB-35 0.53(mm)
MB 480-276503/1-A		11/23/2015 17:03	1	12_350_062.D	ZB-5 0.25(mm)
MB 480-276503/1-A		11/23/2015 17:03	1	12_350_062.D	ZB-35 0.53(mm)
LCS 480-276503/2-A		11/23/2015 17:18	1	12_350_063.D	ZB-5 0.25(mm)
LCS 480-276503/2-A		11/23/2015 17:18	1	12_350_063.D	ZB-35 0.53(mm)
ZZZZZ		11/23/2015 17:33	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 17:33	1		ZB-35 0.53(mm)
ZZZZZ		11/23/2015 17:48	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 17:48	1		ZB-35 0.53(mm)
ZZZZZ		11/23/2015 18:03	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 18:03	1		ZB-35 0.53(mm)
ZZZZZ		11/23/2015 18:17	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 18:17	1		ZB-35 0.53(mm)
ZZZZZ		11/23/2015 18:32	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 18:32	1		ZB-35 0.53(mm)
ZZZZZ		11/23/2015 18:47	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 18:47	1		ZB-35 0.53(mm)
ZZZZZ		11/23/2015 19:02	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 19:02	1		ZB-35 0.53(mm)
ZZZZZ		11/23/2015 19:17	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 19:17	1		ZB-35 0.53(mm)
CCV 480-276545/14		11/23/2015 19:31	1	12_350_072.D	ZB-5 0.25(mm)
CCV 480-276545/14		11/23/2015 19:31	1	12_350_072.D	ZB-35 0.53(mm)
480-91550-5	SS20-3	11/23/2015 20:01	1	12_350_074.D	ZB-5 0.25(mm)
480-91550-5	SS20-3	11/23/2015 20:01	1	12_350_074.D	ZB-35 0.53(mm)
480-91550-4	SS20-2	11/23/2015 20:16	1	12_350_075.D	ZB-5 0.25(mm)
480-91550-4	SS20-2	11/23/2015 20:16	1	12_350_075.D	ZB-35 0.53(mm)
480-91550-6	SS20-6	11/23/2015 20:31	1	12_350_076.D	ZB-5 0.25(mm)
480-91550-6	SS20-6	11/23/2015 20:31	1	12_350_076.D	ZB-35 0.53(mm)
ZZZZZ		11/23/2015 20:45	1		ZB-5 0.25(mm)
ZZZZZ		11/23/2015 20:45	1		ZB-35 0.53(mm)
CCV 480-276545/20		11/23/2015 21:00	1	12_350_078.D	ZB-5 0.25(mm)
CCV 480-276545/20		11/23/2015 21:00	1	12_350_078.D	ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Batch Number: 276503 Batch Start Date: 11/23/15 12:01 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8081/82surr 00082	O_8082spike 00047	AnalysisComment
MB 480-276503/1		3550C, 8082A		CALC NOT SET TO RUN	2.5 g	10 mL	1 mL		
LCS 480-276503/2		3550C, 8082A		CALC NOT SET TO RUN	2.5 g	10 mL	1 mL	1 mL	
480-91550-A-5	SS20-3	3550C, 8082A	T	CALC NOT SET TO RUN	+2.62 g	10 mL	1 mL		
480-91550-A-4	SS20-2	3550C, 8082A	T	CALC NOT SET TO RUN	+2.29 g	10 mL	1 mL		
480-91550-A-6	SS20-6	3550C, 8082A	T	CALC NOT SET TO RUN	+2.43 g	10 mL	1 mL		decanted

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric: 3106037
Balance ID	40029
Blank Soil Lot Number	3110392
Analyst performed Clean Up	CM 11/23/15
Na2SO4 Lot Number	3110392
Nominal Amount Used	2 g
Prep Solvent Lot #	3102954
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10 mL
Person's name who witnessed reagent drop	CM
Perform Calculation (0=No, 1=Yes)	0

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91550-1

SDG No.:

Project: Lockheed Martin Corporation - PCBs

Client Sample ID	Lab Sample ID
SS20-2	480-91550-4
SS20-3	480-91550-5
SS20-6	480-91550-6

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91550-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91550-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/21/2015 07:38 End Date: 11/21/2015 07:38

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
480-91550-4	1	T	07:38	X	X																			
480-91550-5	1	T	07:38	X	X																			
480-91550-6	1	T	07:38	X	X																			
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					
ZZZZZZ			07:38																					

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-1

SDG No.:

Batch Number: 276276 Batch Start Date: 11/21/15 07:38 Batch Analyst: Williams, Christopher S

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-91550-A-4	SS20-2	Moisture	T	1	4.35 g	15.12 g	14.71 g		
480-91550-A-5	SS20-3	Moisture	T	2	4.35 g	12.91 g	12.44 g		
480-91550-A-6	SS20-6	Moisture	T	3	4.35 g	16.88 g	15.10 g		

Batch Notes	
Date samples were placed in the oven	21NOV2015
Time samples were place in the oven	0750

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.9
Client Contact: Ms. Laura Best	Phone: (585)301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: ~~Page 9 of 9~~ LB 1 of 1
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): 2 (for PCBs) 10 (for VOCs)			
State, Zip: NY, 14614				
Phone: ~~(585) 413-5280~~ LB (585) 413-5301	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	TCL VOCs LB	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A			
MIP-RINSEBLANK	11/19/15	1030	G	Water					X		3	
Trip Blank	11/19/15	1200	G	Water					X		2	
SUMP-W	11/19/15	~~1200~~ 1145 LB	G	W					X		3	
SS20-2	11/20/15	1020	G	soil			X				1	
SS20-3	11/20/15	1110	G	soil			X				1	
SS20-6	11/20/15	1045	G	soil			X				1	
SUMP-SED	11/20/15	0855	G	soil/sed.				X			1	
				RE								
				11-20-15								

480-91550 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat B, NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Laura Best	11/20/15 1745	Stantec		11-20-15, 17:45	Syr
2	RE-11/21/15	11-20-15, 19:00	Syr		11-21-15 0150	FDS
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.9

Page 210 of 211
483325 - Syracuse SC
11/30/2015

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-91550-1

Login Number: 91550

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-91550-2

Job Description: Lockheed Martin Corp - Volatiles

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Ryan T VanDette
Project Manager II
12/3/2015 4:51 PM

Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
12/03/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 5

Sample Summary 10

Executive Summary 11

Method Summary 12

Method / Analyst Summary 13

Sample Datasheets 14

Surrogate Summary 23

QC Data Summary 25

Data Qualifiers 31

QC Association Summary 32

Lab Chronicle 33

Certification Summary 35

Organic Sample Data 36

GC/MS VOA 36

Method 8260C 36

Method 8260C QC Summary 37

Method 8260C Sample Data 53

Standards Data 83

Method 8260C ICAL Data 83

Method 8260C CCAL Data 184

Raw QC Data 202

Method 8260C Tune Data 202

Method 8260C Blank Data 214

Table of Contents

Method 8260C LCS/LCSD Data 229

Method 8260C MS/MSD Data 244

Method 8260C Run Logs 256

Method 8260C Prep Data 260

Inorganic Sample Data 263

General Chemistry Data 263

Gen Chem Cover Page 264

Gen Chem MDL 265

Gen Chem Analysis Run Log 267

Gen Chem Prep Data 268

Shipping and Receiving Documents 269

Client Chain of Custody 270

Sample Receipt Checklist 271

Job Narrative
480-91550-2

Comments
No additional comments.

Receipt
The samples were received on 11/21/2015 1:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

GC/MS VOA
Method(s) 8260C: The method blank for preparation batch 480-276589 and analytical batch 480-276587 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. The following sample is impacted: SUMP-SED (480-91550-7) .

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-276587 recovered above the upper control limit for 2-Butanone (MEK) and 2-Hexanone. The samples associated with this CCV were not detected above the reporting limit for the affected analytes; therefore, the data have been reported. The following sample is impacted: SUMP-SED (480-91550-7).

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: SUMP-SED (480-91550-7).

Method(s) 8260C: The following volatiles samples was diluted due to foaming at the time of purging during the original sample analysis: SUMP-W (480-91550-3), (480-91550-A-3 MS) and (480-91550-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-276597 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MIP-RINSEBLANK (480-91550-1), TRIP BLANK (480-91550-2) and SUMP-W (480-91550-3).

Method(s) 8260C: The laboratory control sample (LCS) for batch analytical batch 480-276597 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported: MIP-RINSEBLANK (480-91550-1), TRIP BLANK (480-91550-2) and SUMP-W (480-91550-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with analytical batch 276587 recovered outside acceptance criteria, low biased, for the analyte Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data have been reported.
SUMP-SED (480-91550-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 275773

Lab Sample ID: IC 480-275773/4 Client Sample ID:

Date Analyzed: 11/19/15 03:55 Lab File ID: F2488.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.03	Missed Peak	HillL	11/19/15 11:30

Lab Sample ID: IC 480-275773/5 Client Sample ID:

Date Analyzed: 11/19/15 04:21 Lab File ID: F2489.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.06	Peak Tail	HillL	11/19/15 11:32

Lab Sample ID: IC 480-275773/7 Client Sample ID:

Date Analyzed: 11/19/15 05:13 Lab File ID: F2491.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.05	Peak Tail	HillL	11/19/15 11:35

Lab Sample ID: IC 480-275773/9 Client Sample ID:

Date Analyzed: 11/19/15 06:04 Lab File ID: F2493.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.02	Peak Tail	HillL	11/19/15 11:36

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 276587

Lab Sample ID: CCVIS 480-276587/3 Client Sample ID:

Date Analyzed: 11/23/15 23:52 Lab File ID: F2664.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.01	Peak Tail	diasn	11/24/15 00:21

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 271162

Lab Sample ID: IC 480-271162/5 Client Sample ID:

Date Analyzed: 10/26/15 19:12 Lab File ID: Q6125.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.17	Peak Tail	diasn	10/27/15 19:41
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:27

Lab Sample ID: IC 480-271162/6 Client Sample ID:

Date Analyzed: 10/26/15 19:38 Lab File ID: Q6126.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.89	Peak Tail	diasn	10/27/15 19:38
Methyl acetate	3.17	Peak Tail	diasn	10/27/15 19:40
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:29
1,4-Dioxane	5.68	Assign Peak	diasn	10/27/15 18:29

Lab Sample ID: IC 480-271162/7 Client Sample ID:

Date Analyzed: 10/26/15 20:04 Lab File ID: Q6127.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.17	Peak Tail	diasn	10/27/15 19:40
1,4-Dioxane	5.67	Assign Peak	diasn	10/27/15 18:34

Lab Sample ID: IC 480-271162/8 Client Sample ID:

Date Analyzed: 10/26/15 20:30 Lab File ID: Q6128.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 271162

Lab Sample ID: IC 480-271162/9 Client Sample ID:

Date Analyzed: 10/26/15 20:55 Lab File ID: Q6129.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.16	Peak Tail	diasn	10/27/15 19:39
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:40

Lab Sample ID: ICIS 480-271162/10 Client Sample ID:

Date Analyzed: 10/26/15 21:21 Lab File ID: Q6130.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	4.88	Peak Tail	diasn	10/27/15 18:15
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:15

Lab Sample ID: IC 480-271162/11 Client Sample ID:

Date Analyzed: 10/26/15 21:47 Lab File ID: Q6131.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.13	Peak Tail	diasn	10/27/15 19:35
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:42

Lab Sample ID: IC 480-271162/12 Client Sample ID:

Date Analyzed: 10/26/15 22:13 Lab File ID: Q6132.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.12	Peak Tail	diasn	10/27/15 19:36
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 276597

Lab Sample ID: CCVIS 480-276597/2 Client Sample ID:

Date Analyzed: 11/24/15 01:42 Lab File ID: Q6829.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.44	Incomplete Integration	cwiklinc	11/24/15 02:39
Bromomethane	2.00	Split Peak	cwiklinc	11/24/15 02:02
Fluorobenzene (IS)	5.12	Other	cwiklinc	11/24/15 02:02

Lab Sample ID: LCS 480-276597/4 Client Sample ID:

Date Analyzed: 11/24/15 02:16 Lab File ID: Q6830.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.45	Incomplete Integration	cwiklinc	11/24/15 03:24
Bromomethane	2.03	Assign Peak	cwiklinc	11/24/15 03:24
Fluorobenzene (IS)	5.12	Other	cwiklinc	11/24/15 03:24

Lab Sample ID: 480-91550-3 MS Client Sample ID:

Date Analyzed: 11/24/15 11:50 Lab File ID: Q6851.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene (IS)	5.12	Peak Tail	gentilej	11/24/15 12:45

Lab Sample ID: 480-91550-3 MSD Client Sample ID:

Date Analyzed: 11/24/15 12:16 Lab File ID: Q6852.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene (IS)	5.12	Peak Tail	gentilej	11/24/15 12:46

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-91550-1	MIP-RINSEBLANK	Water	11/19/2015 1030	11/21/2015 0150
480-91550-2TB	TRIP BLANK	Water	11/19/2015 1200	11/21/2015 0150
480-91550-3	SUMP-W	Water	11/19/2015 1145	11/21/2015 0150
480-91550-7	SUMP-SED	Solid	11/20/2015 0855	11/21/2015 0150

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-91550-7	**SUMP-SED**					
1,2,4-Trichlorobenzene		1.0	J	17	ug/Kg	8260C
1,2-Dichlorobenzene		10	J	17	ug/Kg	8260C
2-Butanone (MEK)		48	J	86	ug/Kg	8260C
Acetone		270	B	86	ug/Kg	8260C
Ethylbenzene		2.2	J	17	ug/Kg	8260C
Tetrachloroethene		10	J	17	ug/Kg	8260C
Toluene		2.0	J	17	ug/Kg	8260C
Trichloroethene		6.8	J	17	ug/Kg	8260C
Xylenes, Total		9.1	J	34	ug/Kg	8260C
Percent Moisture		70		0.10	%	Moisture
Percent Solids		30		0.10	%	Moisture

METHOD SUMMARY

Client: Stantec Consulting Services Inc | Job Number: 480-91550-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035
Percent Moisture	TAL BUF	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Method	Analyst	Analyst ID
SW846 8260C	Gentile, Joseph W	JWG
SW846 8260C	Hill, Leah C	LCH
EPA Moisture	Dias, Nicole M	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

Client Sample ID: **MIP-RINSEBLANK**

Lab Sample ID: 480-91550-1 Date Sampled: 11/19/2015 1030
Client Matrix: Water Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q6833.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0350			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0350				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	*	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

Client Sample ID: **MIP-RINSEBLANK**

Lab Sample ID: 480-91550-1 Date Sampled: 11/19/2015 1030
Client Matrix: Water Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q6833.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0350			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0350				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Client: Stantec Consulting Services Inc | Job Number: 480-91550-2

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-91550-2TB | Date Sampled: 11/19/2015 1200
Client Matrix: Water | Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q6834.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0416			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0416				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	*	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-91550-2TB
Client Matrix: Water

Date Sampled: 11/19/2015 1200
Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q6834.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0416			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0416				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Client: Stantec Consulting Services Inc | Job Number: 480-91550-2

Client Sample ID: **SUMP-W**

Lab Sample ID: 480-91550-3 | Date Sampled: 11/19/2015 1145
Client Matrix: Water | Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q6835.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0442			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0442				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2,4-Trichlorobenzene	ND		4.1	10
1,2-Dibromo-3-Chloropropane	ND		3.9	10
1,2-Dibromoethane	ND		7.3	10
1,2-Dichlorobenzene	ND		7.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
1,3-Dichlorobenzene	ND		7.8	10
1,4-Dichlorobenzene	ND		8.4	10
2-Butanone (MEK)	ND		13	100
2-Hexanone	ND		12	50
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND	*	30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND	F2	6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Chloroethane	ND	F2	3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	ND		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Cyclohexane	ND		1.8	10
Dibromochloromethane	ND		3.2	10
Dichlorodifluoromethane	ND		6.8	10
Ethylbenzene	ND		7.4	10
Isopropylbenzene	ND		7.9	10
Methyl acetate	ND		13	25
Methyl tert-butyl ether	ND		1.6	10
Methylcyclohexane	ND		1.6	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	ND		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Trichlorofluoromethane	ND		8.8	10

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Client Sample ID: **SUMP-W**

Lab Sample ID: 480-91550-3
Client Matrix: Water

Date Sampled: 11/19/2015 1145
Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q6835.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0442			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0442				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	95		71 - 126

Client: Stantec Consulting Services Inc | Job Number: 480-91550-2

Client Sample ID: **SUMP-SED**

Lab Sample ID: 480-91550-7 | Date Sampled: 11/20/2015 0855
Client Matrix: Solid | % Moisture: 70.1 | Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276587	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-276589	Lab File ID:	F2672.D
Dilution:	1.0			Initial Weight/Volume:	4.89 g
Analysis Date:	11/24/2015 0322			Final Weight/Volume:	5 mL
Prep Date:	11/23/2015 2213				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		1.2	17
1,1,2,2-Tetrachloroethane		ND		2.8	17
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.9	17
1,1,2-Trichloroethane		ND		2.2	17
1,1-Dichloroethane		ND		2.1	17
1,1-Dichloroethene		ND		2.1	17
1,2,4-Trichlorobenzene		1.0	J	1.0	17
1,2-Dibromo-3-Chloropropane		ND		8.6	17
1,2-Dibromoethane		ND		2.2	17
1,2-Dichlorobenzene		10	J	1.3	17
1,2-Dichloroethane		ND		0.86	17
1,2-Dichloropropane		ND		8.6	17
1,3-Dichlorobenzene		ND		0.88	17
1,4-Dichlorobenzene		ND		2.4	17
2-Butanone (MEK)		48	J	6.3	86
2-Hexanone		ND		8.6	86
4-Methyl-2-pentanone (MIBK)		ND		5.6	86
Acetone		270	B	14	86
Benzene		ND		0.84	17
Bromodichloromethane		ND		2.3	17
Bromoform		ND		8.6	17
Bromomethane		ND		1.5	17
Carbon disulfide		ND		8.6	17
Carbon tetrachloride		ND		1.7	17
Chlorobenzene		ND		2.3	17
Chloroethane		ND		3.9	17
Chloroform		ND		1.1	17
Chloromethane		ND		1.0	17
cis-1,2-Dichloroethene		ND		2.2	17
cis-1,3-Dichloropropene		ND		2.5	17
Cyclohexane		ND		2.4	17
Dibromochloromethane		ND		2.2	17
Dichlorodifluoromethane		ND		1.4	17
Ethylbenzene		2.2	J	1.2	17
Isopropylbenzene		ND		2.6	17
Methyl acetate		ND		10	17
Methyl tert-butyl ether		ND		1.7	17
Methylcyclohexane		ND		2.6	17
Methylene Chloride		ND		7.9	17
Styrene		ND		0.86	17
Tetrachloroethene		10	J	2.3	17
Toluene		2.0	J	1.3	17
trans-1,2-Dichloroethene		ND		1.8	17
trans-1,3-Dichloropropene		ND		7.5	17
Trichloroethene		6.8	J	3.8	17
Trichlorofluoromethane		ND		1.6	17

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

Client Sample ID: SUMP-SED

Lab Sample ID: 480-91550-7 Date Sampled: 11/20/2015 0855
Client Matrix: Solid % Moisture: 70.1 Date Received: 11/21/2015 0150

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-276587	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-276589	Lab File ID:	F2672.D
Dilution:	1.0			Initial Weight/Volume:	4.89 g
Analysis Date:	11/24/2015 0322			Final Weight/Volume:	5 mL
Prep Date:	11/23/2015 2213				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		2.1	17
Xylenes, Total		9.1	J	2.9	34

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		64 - 126
4-Bromofluorobenzene (Surr)	79		72 - 126
Toluene-d8 (Surr)	86		71 - 125

General Chemistry

Client Sample ID: **SUMP-SED**

Lab Sample ID: 480-91550-7 Date Sampled: 11/20/2015 0855
Client Matrix: Solid Date Received: 11/21/2015 0150

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276579	Analysis Date: 11/23/2015 2051						DryWt Corrected: N
Percent Solids	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-276579	Analysis Date: 11/23/2015 2051						DryWt Corrected: N

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-91550-7	SUMP-SED	85	86	79
MB 480-276589/2-A		85	86	84
LCS 480-276589/1-A		89	88	89

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-91550-1	MIP-RINSEBLANK	94	96	99
480-91550-2	TRIP BLANK	96	97	98
480-91550-3	SUMP-W	95	95	99
MB 480-276597/6		96	99	102
LCS 480-276597/4		92	99	102
480-91550-3 MS	SUMP-W MS	89	95	101
480-91550-3 MSD	SUMP-W MSD	94	97	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Method Blank - Batch: 480-276589

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-276589/2-A	Analysis Batch:	480-276587	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-276589	Lab File ID:	F2668.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	11/24/2015 0139	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/23/2015 2213				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	5.15	J	4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dibromochloromethane	ND		0.64	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Method Blank - Batch: 480-276589

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-276589/2-A	Analysis Batch:	480-276587	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-276589	Lab File ID:	F2668.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	11/24/2015 0139	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/23/2015 2213				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	64 - 126
4-Bromofluorobenzene (Surr)	84	72 - 126
Toluene-d8 (Surr)	86	71 - 125

Lab Control Sample - Batch: 480-276589

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-276589/1-A	Analysis Batch:	480-276587	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-276589	Lab File ID:	F2666.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	11/24/2015 0047	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/23/2015 2213				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.9	49.1	98	73 - 126	
1,1-Dichloroethene	49.9	45.8	92	59 - 125	
1,2-Dichlorobenzene	49.9	51.1	102	75 - 120	
1,2-Dichloroethane	49.9	48.4	97	77 - 122	
Benzene	49.9	49.9	100	79 - 127	
Chlorobenzene	49.9	49.5	99	76 - 124	
cis-1,2-Dichloroethene	49.9	49.7	100	81 - 117	
Ethylbenzene	49.9	49.8	100	80 - 120	
Methyl tert-butyl ether	49.9	52.0	104	63 - 125	
Tetrachloroethene	49.9	49.1	98	74 - 122	
Toluene	49.9	51.0	102	74 - 128	
trans-1,2-Dichloroethene	49.9	49.5	99	78 - 126	
Trichloroethene	49.9	49.2	99	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	64 - 126
4-Bromofluorobenzene (Surr)	89	72 - 126
Toluene-d8 (Surr)	88	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Method Blank - Batch: 480-276597

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-276597/6	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q6832.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0308	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0308				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Method Blank - Batch: 480-276597

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-276597/6	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q6832.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0308	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0308				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	66 - 137
4-Bromofluorobenzene (Surr)	102	73 - 120
Toluene-d8 (Surr)	99	71 - 126

Lab Control Sample - Batch: 480-276597

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-276597/4	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q6830.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 0216	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 0216				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	25.7	103	71 - 129	
1,1-Dichloroethene	25.0	28.6	114	58 - 121	
1,2-Dichlorobenzene	25.0	26.2	105	80 - 124	
1,2-Dichloroethane	25.0	23.3	93	75 - 127	
Benzene	25.0	26.1	104	71 - 124	
Chlorobenzene	25.0	27.5	110	72 - 120	
cis-1,2-Dichloroethene	25.0	26.7	107	74 - 124	
Ethylbenzene	25.0	26.5	106	77 - 123	
Methyl tert-butyl ether	25.0	24.2	97	64 - 127	
Tetrachloroethene	25.0	29.7	119	74 - 122	
Toluene	25.0	26.3	105	80 - 122	
trans-1,2-Dichloroethene	25.0	27.1	108	73 - 127	
Trichloroethene	25.0	27.4	110	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	66 - 137
4-Bromofluorobenzene (Surr)	102	73 - 120
Toluene-d8 (Surr)	99	71 - 126

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-276597

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	480-91550-3	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q6851.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 1150			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 1150				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-91550-3	Analysis Batch:	480-276597	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q6852.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/24/2015 1216			Final Weight/Volume:	5 mL
Prep Date:	11/24/2015 1216				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	93	100	71 - 129	7	20		
1,1-Dichloroethene	103	112	58 - 121	8	16		
1,2-Dichlorobenzene	96	99	80 - 124	3	20		
1,2-Dichloroethane	86	91	75 - 127	6	20		
Benzene	97	103	71 - 124	6	13		
Chlorobenzene	102	103	72 - 120	1	25		
cis-1,2-Dichloroethene	95	103	74 - 124	8	15		
Ethylbenzene	98	99	77 - 123	1	15		
Methyl tert-butyl ether	90	93	64 - 127	3	37		
Tetrachloroethene	105	109	74 - 122	4	20		
Toluene	98	99	80 - 122	1	15		
trans-1,2-Dichloroethene	96	106	73 - 127	10	20		
Trichloroethene	95	103	74 - 123	8	16		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	94	66 - 137
4-Bromofluorobenzene (Surr)	101	101	73 - 120
Toluene-d8 (Surr)	95	97	71 - 126

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-276597

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	480-91550-3	Units: ug/L	MSD Lab Sample ID:	480-91550-3	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	10		Dilution:	10	
Analysis Date:	11/24/2015 1150		Analysis Date:	11/24/2015 1216	
Prep Date:	11/24/2015 1150		Prep Date:	11/24/2015 1216	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	250	250	233	251
1,1-Dichloroethene	ND	250	250	257	279
1,2-Dichlorobenzene	ND	250	250	240	247
1,2-Dichloroethane	ND	250	250	215	227
Benzene	ND	250	250	241	257
Chlorobenzene	ND	250	250	254	257
cis-1,2-Dichloroethene	ND	250	250	238	257
Ethylbenzene	ND	250	250	246	249
Methyl tert-butyl ether	ND	250	250	225	232
Tetrachloroethene	ND	250	250	263	273
Toluene	ND	250	250	244	247
trans-1,2-Dichloroethene	ND	250	250	241	265
Trichloroethene	ND	250	250	237	258

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD is outside acceptance limits.
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-276587					
LCS 480-276589/1-A	Lab Control Sample	T	Solid	8260C	480-276589
MB 480-276589/2-A	Method Blank	T	Solid	8260C	480-276589
480-91550-7	SUMP-SED	T	Solid	8260C	480-276589
Prep Batch: 480-276589					
LCS 480-276589/1-A	Lab Control Sample	T	Solid	5035	
MB 480-276589/2-A	Method Blank	T	Solid	5035	
480-91550-7	SUMP-SED	T	Solid	5035	
Analysis Batch:480-276597					
LCS 480-276597/4	Lab Control Sample	T	Water	8260C	
MB 480-276597/6	Method Blank	T	Water	8260C	
480-91550-1	MIP-RINSEBLANK	T	Water	8260C	
480-91550-2TB	TRIP BLANK	T	Water	8260C	
480-91550-3	SUMP-W	T	Water	8260C	
480-91550-3MS	Matrix Spike	T	Water	8260C	
480-91550-3MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis
T = Total

General Chemistry

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Analysis Batch:480-276579					
480-91550-7	SUMP-SED	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

Laboratory Chronicle

Lab ID: 480-91550-1 **Client ID: MIP-RINSEBLANK**

Sample Date/Time: 11/19/2015 10:30 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-91550-A-1		480-276597		11/24/2015 03:50	1	TAL BUF	JWG
A:8260C	480-91550-A-1		480-276597		11/24/2015 03:50	1	TAL BUF	JWG

Lab ID: 480-91550-2 **Client ID: TRIP BLANK**

Sample Date/Time: 11/19/2015 12:00 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-91550-A-2		480-276597		11/24/2015 04:16	1	TAL BUF	JWG
A:8260C	480-91550-A-2		480-276597		11/24/2015 04:16	1	TAL BUF	JWG

Lab ID: 480-91550-3 **Client ID: SUMP-W**

Sample Date/Time: 11/19/2015 11:45 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-91550-A-3		480-276597		11/24/2015 04:42	10	TAL BUF	JWG
A:8260C	480-91550-A-3		480-276597		11/24/2015 04:42	10	TAL BUF	JWG

Lab ID: 480-91550-3 MS **Client ID: SUMP-W**

Sample Date/Time: 11/19/2015 11:45 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-91550-A-3 MS		480-276597		11/24/2015 11:50	10	TAL BUF	JWG
A:8260C	480-91550-A-3 MS		480-276597		11/24/2015 11:50	10	TAL BUF	JWG

Lab ID: 480-91550-3 MSD **Client ID: SUMP-W**

Sample Date/Time: 11/19/2015 11:45 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-91550-A-3 MSD		480-276597		11/24/2015 12:16	10	TAL BUF	JWG
A:8260C	480-91550-A-3 MSD		480-276597		11/24/2015 12:16	10	TAL BUF	JWG

Lab ID: 480-91550-7 **Client ID: SUMP-SED**

Sample Date/Time: 11/20/2015 08:55 Received Date/Time: 11/21/2015 01:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-91550-A-7-B		480-276587	480-276589	11/23/2015 22:13	1	TAL BUF	NMD1
A:8260C	480-91550-A-7-B		480-276587	480-276589	11/24/2015 03:22	1	TAL BUF	LCH
A:Moisture	480-91550-A-7		480-276579		11/23/2015 20:51	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-91550-2

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 480-276589/2-A		480-276587	480-276589	11/23/2015 22:13	1	TAL BUF	NMD1
A:8260C	MB 480-276589/2-A		480-276587	480-276589	11/24/2015 01:39	1	TAL BUF	LCH
P:5030C	MB 480-276597/6		480-276597		11/24/2015 03:08	1	TAL BUF	JWG
A:8260C	MB 480-276597/6		480-276597		11/24/2015 03:08	1	TAL BUF	JWG

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 480-276589/1-A		480-276587	480-276589	11/23/2015 22:13	1	TAL BUF	NMD1
A:8260C	LCS 480-276589/1-A		480-276587	480-276589	11/24/2015 00:47	1	TAL BUF	LCH
P:5030C	LCS 480-276597/4		480-276597		11/24/2015 02:16	1	TAL BUF	JWG
A:8260C	LCS 480-276597/4		480-276597		11/24/2015 02:16	1	TAL BUF	JWG

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corp - Volatiles

TestAmerica Job ID: 480-91550-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SUMP-SED	480-91550-7	85	86	79
	MB 480-276589/2-A	85	86	84
	LCS 480-276589/1-A	89	88	89

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MIP-RINSEBLANK	480-91550-1	94	96	99
TRIP BLANK	480-91550-2	96	97	98
SUMP-W	480-91550-3	95	95	99
	MB 480-276597/6	96	99	102
	LCS 480-276597/4	92	99	102
SUMP-W MS	480-91550-3 MS	89	95	101
SUMP-W MSD	480-91550-3 MSD	94	97	101

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2666.D

Lab ID: LCS 480-276589/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.9	49.1	98	73-126	
1,1-Dichloroethene	49.9	45.8	92	59-125	
1,2-Dichlorobenzene	49.9	51.1	102	75-120	
1,2-Dichloroethane	49.9	48.4	97	77-122	
Benzene	49.9	49.9	100	79-127	
Chlorobenzene	49.9	49.5	99	76-124	
cis-1,2-Dichloroethene	49.9	49.7	100	81-117	
Ethylbenzene	49.9	49.8	100	80-120	
Methyl tert-butyl ether	49.9	52.0	104	63-125	
Tetrachloroethene	49.9	49.1	98	74-122	
Toluene	49.9	51.0	102	74-128	
trans-1,2-Dichloroethene	49.9	49.5	99	78-126	
Trichloroethene	49.9	49.2	99	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Matrix: Water Level: Low Lab File ID: Q6830.D

Lab ID: LCS 480-276597/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	25.7	103	71-129	
1,1-Dichloroethene	25.0	28.6	114	58-121	
1,2-Dichlorobenzene	25.0	26.2	105	80-124	
1,2-Dichloroethane	25.0	23.3	93	75-127	
Benzene	25.0	26.1	104	71-124	
Chlorobenzene	25.0	27.5	110	72-120	
cis-1,2-Dichloroethene	25.0	26.7	107	74-124	
Ethylbenzene	25.0	26.5	106	77-123	
Methyl tert-butyl ether	25.0	24.2	97	64-127	
Tetrachloroethene	25.0	29.7	119	74-122	
Toluene	25.0	26.3	105	80-122	
trans-1,2-Dichloroethene	25.0	27.1	108	73-127	
Trichloroethene	25.0	27.4	110	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Matrix: Water Level: Low Lab File ID: Q6851.D

Lab ID: 480-91550-3 MS Client ID: SUMP-W MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	250	ND	233	93	71-129	
1,1-Dichloroethene	250	ND	257	103	58-121	
1,2-Dichlorobenzene	250	ND	240	96	80-124	
1,2-Dichloroethane	250	ND	215	86	75-127	
Benzene	250	ND	241	97	71-124	
Chlorobenzene	250	ND	254	102	72-120	
cis-1,2-Dichloroethene	250	ND	238	95	74-124	
Ethylbenzene	250	ND	246	98	77-123	
Methyl tert-butyl ether	250	ND	225	90	64-127	
Tetrachloroethene	250	ND	263	105	74-122	
Toluene	250	ND	244	98	80-122	
trans-1,2-Dichloroethene	250	ND	241	96	73-127	
Trichloroethene	250	ND	237	95	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Matrix: Water Level: Low Lab File ID: Q6852.D

Lab ID: 480-91550-3 MSD Client ID: SUMP-W MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	250	251	100	7	20	71-129	
1,1-Dichloroethene	250	279	112	8	16	58-121	
1,2-Dichlorobenzene	250	247	99	3	20	80-124	
1,2-Dichloroethane	250	227	91	6	20	75-127	
Benzene	250	257	103	6	13	71-124	
Chlorobenzene	250	257	103	1	25	72-120	
cis-1,2-Dichloroethene	250	257	103	8	15	74-124	
Ethylbenzene	250	249	99	1	15	77-123	
Methyl tert-butyl ether	250	232	93	3	37	64-127	
Tetrachloroethene	250	273	109	4	20	74-122	
Toluene	250	247	99	1	15	80-122	
trans-1,2-Dichloroethene	250	265	106	10	20	73-127	
Trichloroethene	250	258	103	8	16	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab File ID: F2668.D Lab Sample ID: MB 480-276589/2-A

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

Instrument ID: HP5973F Date Analyzed: 11/24/2015 01:39

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-276589/1-A	F2666.D	11/24/2015 00:47
SUMP-SED	480-91550-7	F2672.D	11/24/2015 03:22

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab File ID: Q6832.D Lab Sample ID: MB 480-276597/6

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

Instrument ID: HP5973Q Date Analyzed: 11/24/2015 03:08

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-276597/4	Q6830.D	11/24/2015 02:16
MIP-RINSEBLANK	480-91550-1	Q6833.D	11/24/2015 03:50
TRIP BLANK	480-91550-2	Q6834.D	11/24/2015 04:16
SUMP-W	480-91550-3	Q6835.D	11/24/2015 04:42
SUMP-W MS	480-91550-3 MS	Q6851.D	11/24/2015 11:50
SUMP-W MSD	480-91550-3 MSD	Q6852.D	11/24/2015 12:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab File ID: F2486.D BFB Injection Date: 11/19/2015

Instrument ID: HP5973F BFB Injection Time: 03:01

Analysis Batch No.: 275773

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.7	
75	30.0 - 60.0 % of mass 95	48.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	76.5	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	73.5	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.4	(7.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-275773/4	F2488.D	11/19/2015	03:55
	IC 480-275773/5	F2489.D	11/19/2015	04:21
	IC 480-275773/6	F2490.D	11/19/2015	04:47
	IC 480-275773/7	F2491.D	11/19/2015	05:13
	ICIS 480-275773/8	F2492.D	11/19/2015	05:38
	IC 480-275773/9	F2493.D	11/19/2015	06:04
	IC 480-275773/10	F2494.D	11/19/2015	06:30

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab File ID: F2663.D BFB Injection Date: 11/23/2015

Instrument ID: HP5973F BFB Injection Time: 23:25

Analysis Batch No.: 276587

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.2	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	76.9	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.0	(96.3) 1
177	5.0 - 9.0 % of mass 176	4.4	(5.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-276587/3	F2664.D	11/23/2015	23:52
	LCS 480-276589/1-A	F2666.D	11/24/2015	00:47
	MB 480-276589/2-A	F2668.D	11/24/2015	01:39
SUMP-SED	480-91550-7	F2672.D	11/24/2015	03:22

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab File ID: Q6123.D BFB Injection Date: 10/26/2015

Instrument ID: HP5973Q BFB Injection Time: 18:19

Analysis Batch No.: 271162

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	7.1	(7.9) 1
176	95.0 - 101.0 % of mass 174	86.4	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-271162/5	Q6125.D	10/26/2015	19:12
	IC 480-271162/6	Q6126.D	10/26/2015	19:38
	IC 480-271162/7	Q6127.D	10/26/2015	20:04
	IC 480-271162/8	Q6128.D	10/26/2015	20:30
	IC 480-271162/9	Q6129.D	10/26/2015	20:55
	ICIS 480-271162/10	Q6130.D	10/26/2015	21:21
	IC 480-271162/11	Q6131.D	10/26/2015	21:47
	IC 480-271162/12	Q6132.D	10/26/2015	22:13

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab File ID: Q6828.D BFB Injection Date: 11/24/2015

Instrument ID: HP5973Q BFB Injection Time: 01:17

Analysis Batch No.: 276597

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	45.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	97.2	
175	5.0 - 9.0 % of mass 174	6.7	(6.9) 1
176	95.0 - 101.0 % of mass 174	96.5	(99.2) 1
177	5.0 - 9.0 % of mass 176	6.0	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-276597/2	Q6829.D	11/24/2015	01:42
	LCS 480-276597/4	Q6830.D	11/24/2015	02:16
	MB 480-276597/6	Q6832.D	11/24/2015	03:08
MIP-RINSEBLANK	480-91550-1	Q6833.D	11/24/2015	03:50
TRIP BLANK	480-91550-2	Q6834.D	11/24/2015	04:16
SUMP-W	480-91550-3	Q6835.D	11/24/2015	04:42
SUMP-W MS	480-91550-3 MS	Q6851.D	11/24/2015	11:50
SUMP-W MSD	480-91550-3 MSD	Q6852.D	11/24/2015	12:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Sample No.: ICIS 480-275773/8 Date Analyzed: 11/19/2015 05:38

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F2492.D Heated Purge: (Y/N) Y

Calibration ID: 25641

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		186371	5.38	370959	8.19	345689	10.54
UPPER LIMIT		372742	5.88	741918	8.69	691378	11.04
LOWER LIMIT		93186	4.88	185480	7.69	172845	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-276587/3		205260	5.38	399743	8.19	352847	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Sample No.: CCVIS 480-276587/3 Date Analyzed: 11/23/2015 23:52

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F2664.D Heated Purge: (Y/N) Y

Calibration ID: 25644

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		205260	5.38	399743	8.19	352847	10.54
UPPER LIMIT		410520	5.88	799486	8.69	705694	11.04
LOWER LIMIT		102630	4.88	199872	7.69	176424	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-276589/1-A		205515	5.38	399216	8.19	362008	10.54
MB 480-276589/2-A		198598	5.38	381940	8.19	336382	10.54
480-91550-7	SUMP-SED	175707	5.38	325959	8.19	258390	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Sample No.: ICIS 480-271162/10 Date Analyzed: 10/26/2015 21:21

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): Q6130.D Heated Purge: (Y/N) N

Calibration ID: 25411

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		91684	5.12	169973	7.41	196402	9.28
UPPER LIMIT		183368	5.62	339946	7.91	392804	9.78
LOWER LIMIT		45842	4.62	84987	6.91	98201	8.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-276597/2		71204	5.12	134822	7.41	158771	9.28

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Sample No.: CCVIS 480-276597/2 Date Analyzed: 11/24/2015 01:42

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): Q6829.D Heated Purge: (Y/N) N

Calibration ID: 25412

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		71204	5.12	134822	7.41	158771	9.28
UPPER LIMIT		142408	5.62	269644	7.91	317542	9.78
LOWER LIMIT		35602	4.62	67411	6.91	79386	8.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-276597/4		70386	5.12	131771	7.41	158882	9.28
MB 480-276597/6		64318	5.12	118755	7.41	142481	9.28
480-91550-1	MIP-RINSEBLANK	66448	5.12	126308	7.41	145254	9.28
480-91550-2	TRIP BLANK	63182	5.12	115578	7.41	138636	9.28
480-91550-3	SUMP-W	63250	5.12	120243	7.41	140771	9.28
480-91550-3 MS	SUMP-W MS	68116	5.12	127496	7.41	153775	9.28
480-91550-3 MSD	SUMP-W MSD	66557	5.12	128665	7.41	153178	9.28

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: MIP-RINSEBLANK | Lab Sample ID: 480-91550-1

Matrix: Water | Lab File ID: Q6833.D

Analysis Method: 8260C | Date Collected: 11/19/2015 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 03:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND	*	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: MIP-RINSEBLANK | Lab Sample ID: 480-91550-1

Matrix: Water | Lab File ID: Q6833.D

Analysis Method: 8260C | Date Collected: 11/19/2015 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 03:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	96		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6833.D
Lims ID: 480-91550-A-1 Lab Sample ID: 480-91550-1
Client ID: MIP-RINSEBLANK
Sample Type: Client
Inject. Date: 24-Nov-2015 03:50:30 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91550-A-1
Misc. Info.: 480-0048642-007
Operator ID: CDC Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 08:47:38 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: gentilej Date: 24-Nov-2015 08:47:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.120	5.120	0.000	99	66448	25.0	
* 2 Chlorobenzene-d5	82	7.408	7.408	0.000	85	126308	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.281	9.281	0.000	94	145254	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.895	4.889	0.006	0	49781	23.6	
$ 5 Toluene-d8 (Surr)	98	6.288	6.288	0.000	93	291869	24.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.339	8.338	0.000	97	100766	24.8	
10 Dichlorodifluoromethane	85		1.440				ND	
12 Chloromethane	50		1.604				ND	
13 Vinyl chloride	62		1.720				ND	
14 Bromomethane	94		1.999				ND	
15 Chloroethane	64		2.109				ND	
17 Trichlorofluoromethane	101		2.298				ND	
22 1,1-Dichloroethene	96		2.790				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.815				ND	
23 Acetone	43		2.882				ND	
26 Carbon disulfide	76		2.973				ND	
27 Methyl acetate	43		3.155				ND	
30 Methylene Chloride	84		3.240				ND	
32 Methyl tert-butyl ether	73		3.441				ND	
34 trans-1,2-Dichloroethene	96		3.453				ND	
39 1,1-Dichloroethane	63		3.806				ND	
45 cis-1,2-Dichloroethene	96		4.269				ND	
43 2-Butanone (MEK)	43		4.281				ND	
50 Chloroform	83		4.518				ND	
51 1,1,1-Trichloroethane	97		4.628				ND	
52 Cyclohexane	56		4.652				ND	
55 Carbon tetrachloride	117		4.749				ND	
57 Benzene	78		4.913				ND	
58 1,2-Dichloroethane	62		4.944				ND	
62 Trichloroethene	95		5.388				ND	
64 Methylcyclohexane	83		5.504				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.570				ND	
68 Dichlorobromomethane	83		5.783				ND	
77 trans-1,3-Dichloropropene	75		6.106				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.203				ND	
74 Toluene	92		6.337				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
79 1,1,2-Trichloroethane	83		6.672				ND	
81 Tetrachloroethene	166		6.751				ND	
80 2-Hexanone	43		6.830				ND	
83 Chlorodibromomethane	129		6.982				ND	
84 Ethylene Dibromide	107		7.073				ND	
87 Chlorobenzene	112		7.432				ND	
88 Ethylbenzene	91		7.493				ND	
90 m-Xylene & p-Xylene	106		7.584				ND	
91 o-Xylene	106		7.907				ND	
92 Styrene	104		7.925				ND	
95 Bromoform	173		8.107				ND	
94 Isopropylbenzene	105		8.186				ND	
97 1,1,2,2-Tetrachloroethane	83		8.472				ND	
111 1,3-Dichlorobenzene	146		9.227				ND	
113 1,4-Dichlorobenzene	146		9.300				ND	
116 1,2-Dichlorobenzene	146		9.610				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.267				ND	
119 1,2,4-Trichlorobenzene	180		10.936				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

Q_8260_IS_00106	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added:	1.25	Units: uL	Run Reagent

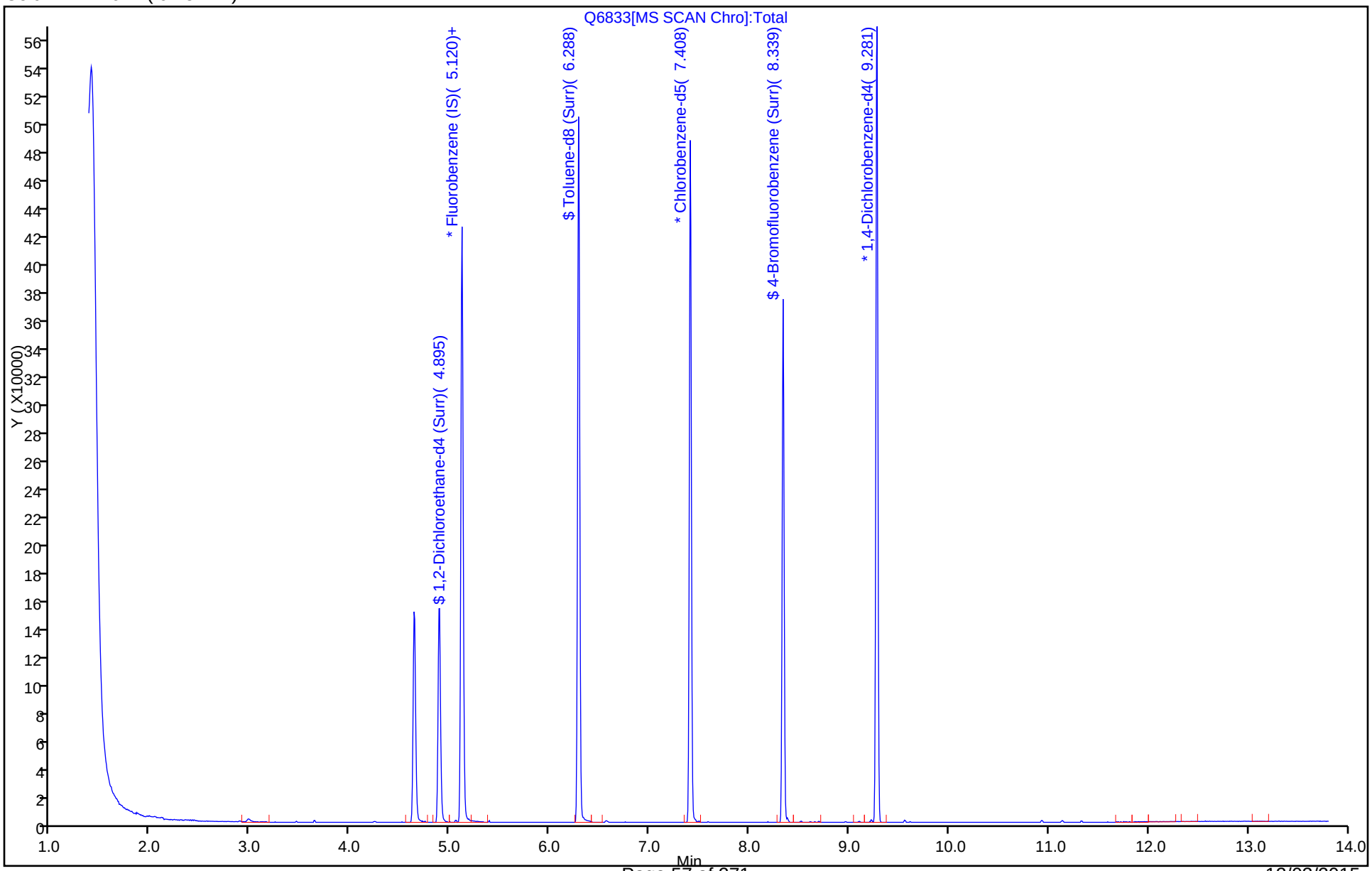
Report Date: 24-Nov-2015 08:47:40 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6833.D

Injection Date:	24-Nov-2015 03:50:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	480-91550-A-1	Lab Sample ID:	480-91550-1	Worklist Smp#:	7
Client ID:	MIP-RINSEBLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-91550-2

Matrix: Water Lab File ID: Q6834.D

Analysis Method: 8260C Date Collected: 11/19/2015 12:00

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2015 04:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 276597 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND	*	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-91550-2

Matrix: Water | Lab File ID: Q6834.D

Analysis Method: 8260C | Date Collected: 11/19/2015 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 04:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6834.D
Lims ID: 480-91550-A-2 Lab Sample ID: 480-91550-2
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 24-Nov-2015 04:16:30 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91550-A-2
Misc. Info.: 480-0048642-008
Operator ID: CDC Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 08:47:38 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: gentilej Date: 24-Nov-2015 08:48:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.120	-0.002	99	63182	25.0	
* 2 Chlorobenzene-d5	82	7.411	7.408	0.003	85	115578	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.281	-0.002	94	138636	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.889	0.004	0	47998	23.9	
$ 5 Toluene-d8 (Surr)	98	6.292	6.288	0.004	93	267569	24.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.338	0.004	97	91455	24.6	
10 Dichlorodifluoromethane	85		1.440				ND	
12 Chloromethane	50		1.604				ND	
13 Vinyl chloride	62		1.720				ND	
14 Bromomethane	94		1.999				ND	
15 Chloroethane	64		2.109				ND	
17 Trichlorofluoromethane	101		2.298				ND	
22 1,1-Dichloroethene	96		2.790				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.815				ND	
23 Acetone	43		2.882				ND	
26 Carbon disulfide	76		2.973				ND	
27 Methyl acetate	43		3.155				ND	
30 Methylene Chloride	84		3.240				ND	
32 Methyl tert-butyl ether	73		3.441				ND	
34 trans-1,2-Dichloroethene	96		3.453				ND	
39 1,1-Dichloroethane	63		3.806				ND	
45 cis-1,2-Dichloroethene	96		4.269				ND	
43 2-Butanone (MEK)	43		4.281				ND	
50 Chloroform	83		4.518				ND	
51 1,1,1-Trichloroethane	97		4.628				ND	
52 Cyclohexane	56		4.652				ND	
55 Carbon tetrachloride	117		4.749				ND	
57 Benzene	78		4.913				ND	
58 1,2-Dichloroethane	62		4.944				ND	
62 Trichloroethene	95		5.388				ND	
64 Methylcyclohexane	83		5.504				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.570				ND	
68 Dichlorobromomethane	83		5.783				ND	
77 trans-1,3-Dichloropropene	75		6.106				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.203				ND	
74 Toluene	92		6.337				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
79 1,1,2-Trichloroethane	83		6.672				ND	
81 Tetrachloroethene	166		6.751				ND	
80 2-Hexanone	43		6.830				ND	
83 Chlorodibromomethane	129		6.982				ND	
84 Ethylene Dibromide	107		7.073				ND	
87 Chlorobenzene	112		7.432				ND	
88 Ethylbenzene	91		7.493				ND	
90 m-Xylene & p-Xylene	106		7.584				ND	
91 o-Xylene	106		7.907				ND	
92 Styrene	104		7.925				ND	
95 Bromoform	173		8.107				ND	
94 Isopropylbenzene	105		8.186				ND	
97 1,1,2,2-Tetrachloroethane	83		8.472				ND	
111 1,3-Dichlorobenzene	146		9.227				ND	
113 1,4-Dichlorobenzene	146		9.300				ND	
116 1,2-Dichlorobenzene	146		9.610				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.267				ND	
119 1,2,4-Trichlorobenzene	180		10.936				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

Q_8260_IS_00106	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added:	1.25	Units: uL	Run Reagent

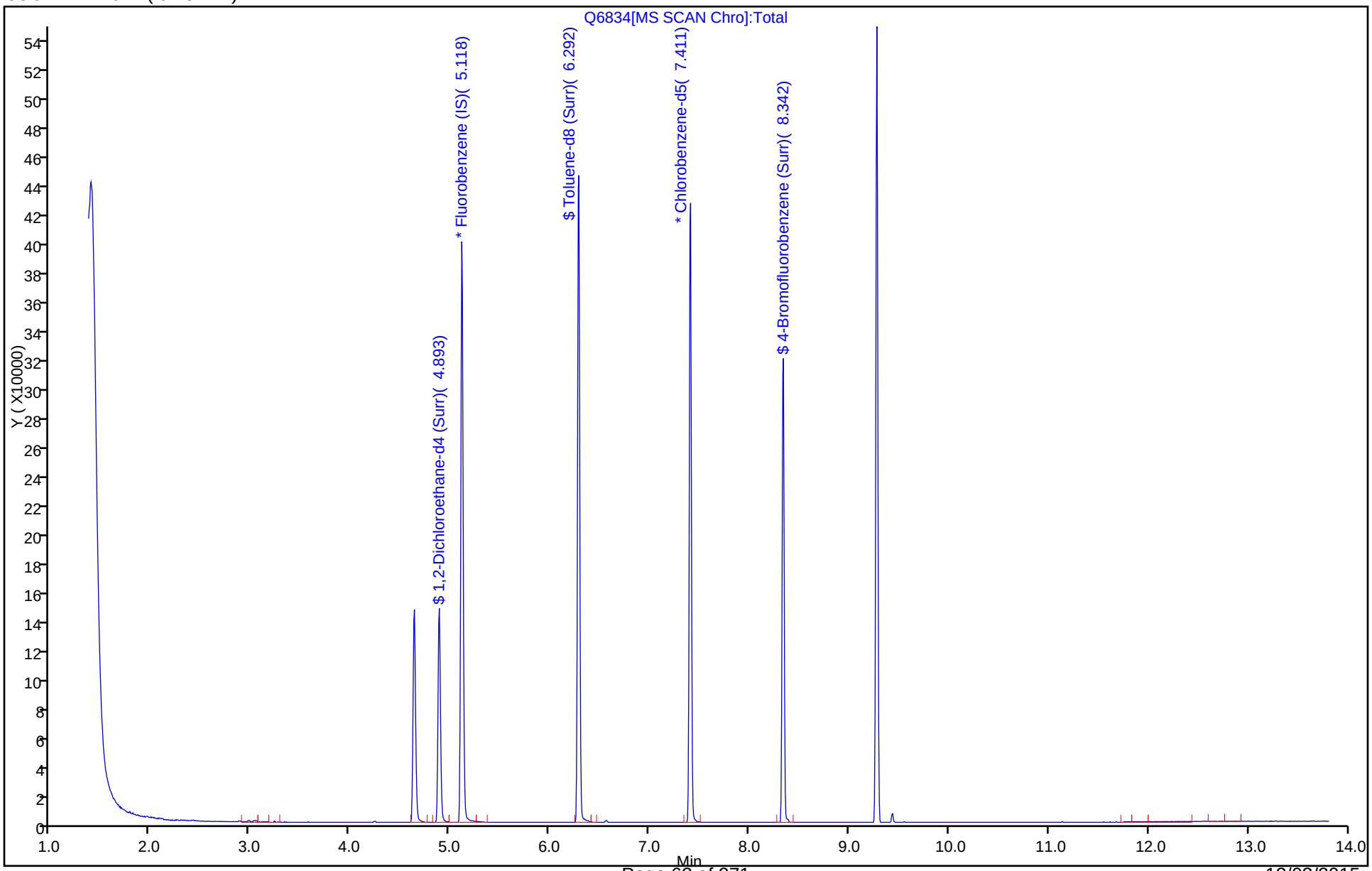
Report Date: 24-Nov-2015 08:48:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6834.D

Injection Date:	24-Nov-2015 04:16:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	480-91550-A-2	Lab Sample ID:	480-91550-2	Worklist Smp#:	8
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-W Lab Sample ID: 480-91550-3

Matrix: Water Lab File ID: Q6835.D

Analysis Method: 8260C Date Collected: 11/19/2015 11:45

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2015 04:42

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 276597 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND	*	100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND	F2	10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	ND	F2	10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND		10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-W | Lab Sample ID: 480-91550-3

Matrix: Water | Lab File ID: Q6835.D

Analysis Method: 8260C | Date Collected: 11/19/2015 11:45

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 04:42

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	95		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6835.D
Lims ID: 480-91550-A-3 Lab Sample ID: 480-91550-3
Client ID: SUMP-W
Sample Type: Client
Inject. Date: 24-Nov-2015 04:42:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-91550-A-3
Misc. Info.: 480-0048642-009
Operator ID: CDC Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 07:20:19 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: gentilej Date: 24-Nov-2015 09:23:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.120	-0.002	99	63250	25.0	
* 2 Chlorobenzene-d5	82	7.411	7.408	0.003	85	120243	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.281	-0.002	94	140771	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.889	0.004	0	47619	23.7	
$ 5 Toluene-d8 (Surr)	98	6.292	6.288	0.004	93	273892	23.8	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.338	0.004	97	96015	24.8	
10 Dichlorodifluoromethane	85		1.440				ND	
12 Chloromethane	50		1.604				ND	
13 Vinyl chloride	62		1.720				ND	
14 Bromomethane	94		1.999				ND	
15 Chloroethane	64		2.109				ND	
17 Trichlorofluoromethane	101		2.298				ND	
22 1,1-Dichloroethene	96		2.790				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.815				ND	
23 Acetone	43		2.882				ND	
26 Carbon disulfide	76		2.973				ND	
27 Methyl acetate	43		3.155				ND	
30 Methylene Chloride	84		3.240				ND	
32 Methyl tert-butyl ether	73		3.441				ND	
34 trans-1,2-Dichloroethene	96		3.453				ND	
39 1,1-Dichloroethane	63		3.806				ND	
45 cis-1,2-Dichloroethene	96		4.269				ND	
43 2-Butanone (MEK)	43		4.281				ND	
50 Chloroform	83	4.516	4.518	-0.002	84	723	0.1023	
51 1,1,1-Trichloroethane	97		4.628				ND	
52 Cyclohexane	56		4.652				ND	
55 Carbon tetrachloride	117		4.749				ND	
57 Benzene	78		4.913				ND	
58 1,2-Dichloroethane	62		4.944				ND	
62 Trichloroethene	95		5.388				ND	
64 Methylcyclohexane	83		5.504				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.570				ND	
68 Dichlorobromomethane	83		5.783				ND	
77 trans-1,3-Dichloropropene	75		6.106				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.203				ND	
74 Toluene	92		6.337				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
79 1,1,2-Trichloroethane	83		6.672				ND	
81 Tetrachloroethene	166		6.751				ND	
80 2-Hexanone	43		6.830				ND	
83 Chlorodibromomethane	129		6.982				ND	
84 Ethylene Dibromide	107		7.073				ND	
87 Chlorobenzene	112		7.432				ND	
88 Ethylbenzene	91		7.493				ND	
90 m-Xylene & p-Xylene	106		7.584				ND	
91 o-Xylene	106		7.907				ND	
92 Styrene	104		7.925				ND	
95 Bromoform	173		8.107				ND	
94 Isopropylbenzene	105		8.186				ND	
97 1,1,2,2-Tetrachloroethane	83		8.472				ND	
111 1,3-Dichlorobenzene	146		9.227				ND	
113 1,4-Dichlorobenzene	146		9.300				ND	
116 1,2-Dichlorobenzene	146		9.610				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.267				ND	
119 1,2,4-Trichlorobenzene	180		10.936				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

Q_8260_IS_00106	Amount Added: 1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added: 1.25	Units: uL	Run Reagent

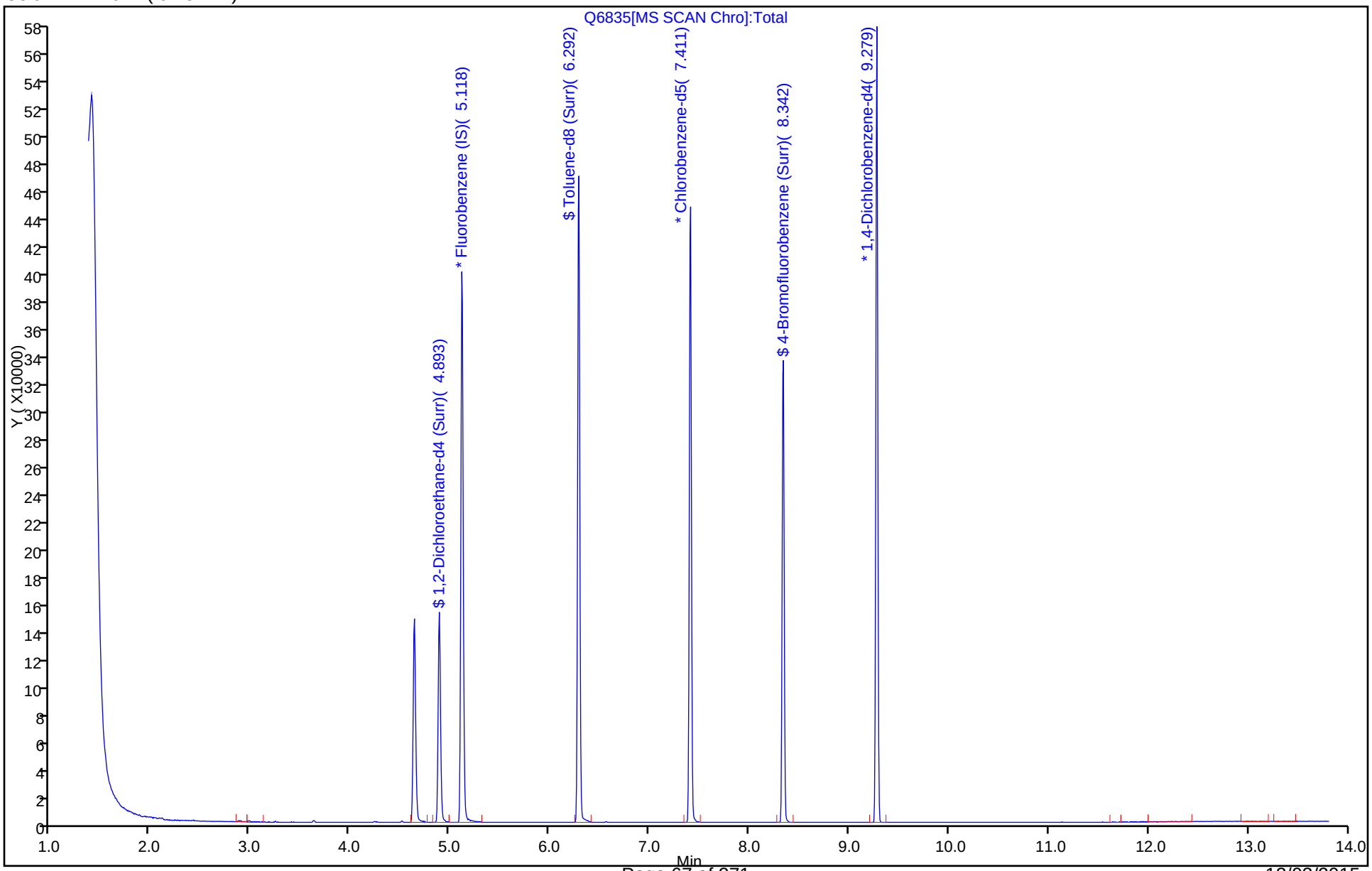
Report Date: 24-Nov-2015 09:23:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6835.D

Injection Date:	24-Nov-2015 04:42:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	480-91550-A-3	Lab Sample ID:	480-91550-3	Worklist Smp#:	9
Client ID:	SUMP-W				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	3
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-SED | Lab Sample ID: 480-91550-7

Matrix: Solid | Lab File ID: F2672.D

Analysis Method: 8260C | Date Collected: 11/20/2015 08:55

Sample wt/vol: 4.89(g) | Date Analyzed: 11/24/2015 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 70.1 | Level: (low/med) Low

Analysis Batch No.: 276587 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		17	1.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		17	2.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17	3.9
79-00-5	1,1,2-Trichloroethane	ND		17	2.2
75-34-3	1,1-Dichloroethane	ND		17	2.1
75-35-4	1,1-Dichloroethene	ND		17	2.1
120-82-1	1,2,4-Trichlorobenzene	1.0	J	17	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		17	8.6
106-93-4	1,2-Dibromoethane	ND		17	2.2
95-50-1	1,2-Dichlorobenzene	10	J	17	1.3
107-06-2	1,2-Dichloroethane	ND		17	0.86
78-87-5	1,2-Dichloropropane	ND		17	8.6
541-73-1	1,3-Dichlorobenzene	ND		17	0.88
106-46-7	1,4-Dichlorobenzene	ND		17	2.4
78-93-3	2-Butanone (MEK)	48	J	86	6.3
591-78-6	2-Hexanone	ND		86	8.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		86	5.6
67-64-1	Acetone	270	B	86	14
71-43-2	Benzene	ND		17	0.84
75-27-4	Bromodichloromethane	ND		17	2.3
75-25-2	Bromoform	ND		17	8.6
74-83-9	Bromomethane	ND		17	1.5
75-15-0	Carbon disulfide	ND		17	8.6
56-23-5	Carbon tetrachloride	ND		17	1.7
108-90-7	Chlorobenzene	ND		17	2.3
75-00-3	Chloroethane	ND		17	3.9
67-66-3	Chloroform	ND		17	1.1
74-87-3	Chloromethane	ND		17	1.0
156-59-2	cis-1,2-Dichloroethene	ND		17	2.2
10061-01-5	cis-1,3-Dichloropropene	ND		17	2.5
110-82-7	Cyclohexane	ND		17	2.4
124-48-1	Dibromochloromethane	ND		17	2.2
75-71-8	Dichlorodifluoromethane	ND		17	1.4
100-41-4	Ethylbenzene	2.2	J	17	1.2
98-82-8	Isopropylbenzene	ND		17	2.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-SED | Lab Sample ID: 480-91550-7

Matrix: Solid | Lab File ID: F2672.D

Analysis Method: 8260C | Date Collected: 11/20/2015 08:55

Sample wt/vol: 4.89(g) | Date Analyzed: 11/24/2015 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 70.1 | Level: (low/med) Low

Analysis Batch No.: 276587 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		17	10
1634-04-4	Methyl tert-butyl ether	ND		17	1.7
108-87-2	Methylcyclohexane	ND		17	2.6
75-09-2	Methylene Chloride	ND		17	7.9
100-42-5	Styrene	ND		17	0.86
127-18-4	Tetrachloroethene	10	J	17	2.3
108-88-3	Toluene	2.0	J	17	1.3
156-60-5	trans-1,2-Dichloroethene	ND		17	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		17	7.5
79-01-6	Trichloroethene	6.8	J	17	3.8
75-69-4	Trichlorofluoromethane	ND		17	1.6
75-01-4	Vinyl chloride	ND		17	2.1
1330-20-7	Xylenes, Total	9.1	J	34	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		64-126
460-00-4	4-Bromofluorobenzene (Surr)	79		72-126
2037-26-5	Toluene-d8 (Surr)	86		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D
Lims ID: 480-91550-A-7-B Lab Sample ID: 480-91550-7
Client ID: SUMP-SED
Sample Type: Client
Inject. Date: 24-Nov-2015 03:22:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91550-A-7-B
Misc. Info.: 480-0048640-011
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 10:42:19 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: HillL Date: 24-Nov-2015 10:42:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	175707	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	325959	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	258390	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	91414	42.5	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	574906	43.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.416	-0.001	87	142592	39.3	
10 Dichlorodifluoromethane	85		1.908				ND	
12 Chloromethane	50		2.061				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.456				ND	
15 Chloroethane	64		2.523				ND	
17 Trichlorofluoromethane	101		2.705				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.101	0.006	84	4514	0.9141	
22 1,1-Dichloroethene	96		3.119				ND	
23 Acetone	43	3.186	3.174	0.012	100	148883	79.2	
26 Carbon disulfide	76	3.338	3.332	0.006	99	33730	2.04	
27 Methyl acetate	43		3.393				ND	
30 Methylene Chloride	84	3.514	3.508	0.006	93	7885	1.25	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.691				ND	
39 1,1-Dichloroethane	63		4.026				ND	
43 2-Butanone (MEK)	43	4.476	4.464	0.012	100	40415	14.0	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	43	2928	0.4883	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.200				ND	
62 Trichloroethene	95	5.680	5.686	-0.006	93	11021	1.99	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.143				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43	6.635	6.623	0.012	93	6197	1.15	
74 Toluene	92	6.812	6.818	-0.006	96	7601	0.5881	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.238				ND	
81 Tetrachloroethene	166	7.335	7.341	-0.006	94	15832	3.05	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91	8.290	8.290	0.000	96	14827	0.6340	
90 m-Xylene & p-Xylene	106	8.399	8.406	-0.007	99	19891	1.98	
91 o-Xylene	106	8.831	8.838	-0.007	95	6174	0.6812	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.130				ND	
94 Isopropylbenzene	105		9.203				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	26138	2.97	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	80	1452	0.3012	
S 124 Xylenes, Total	1				0		2.66	

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00400	Amount Added:	1.00	Units: uL	Run Reagent

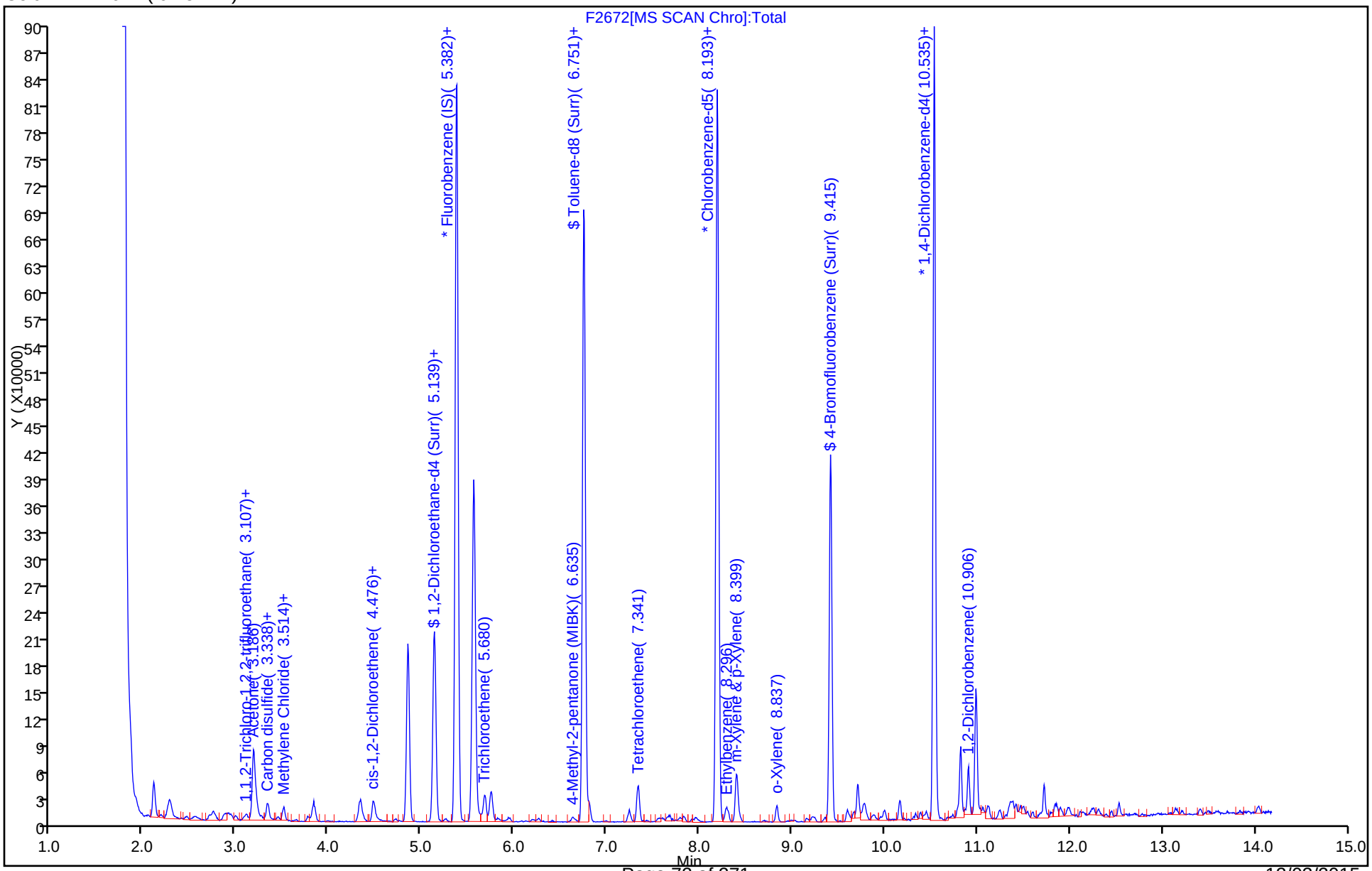
Report Date: 24-Nov-2015 10:42:20 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7	Worklist Smp#:	11
Client ID:	SUMP-SED				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

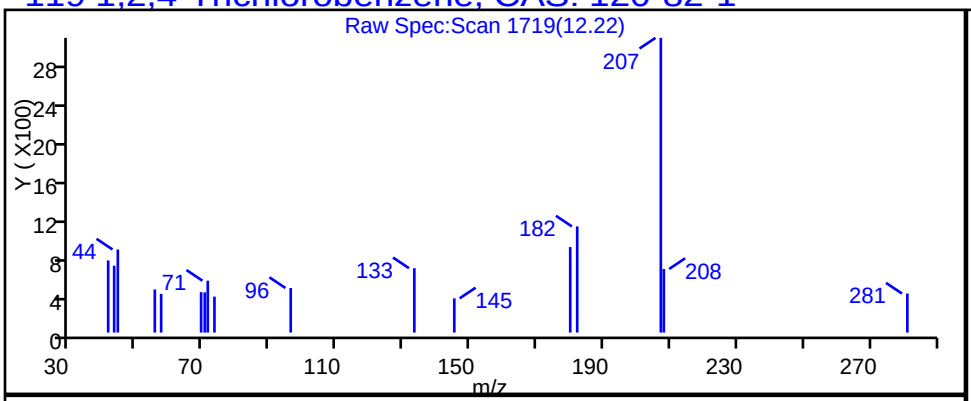


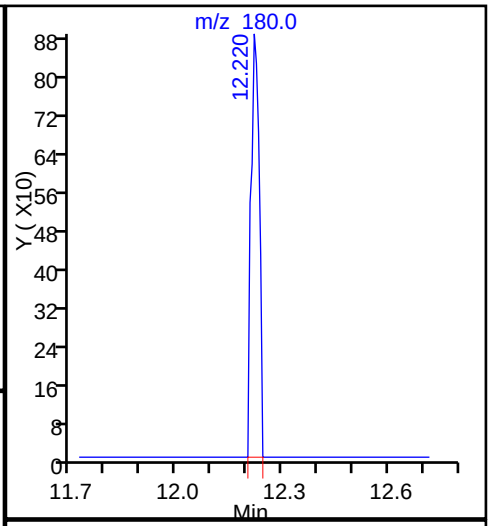
TestAmerica Buffalo

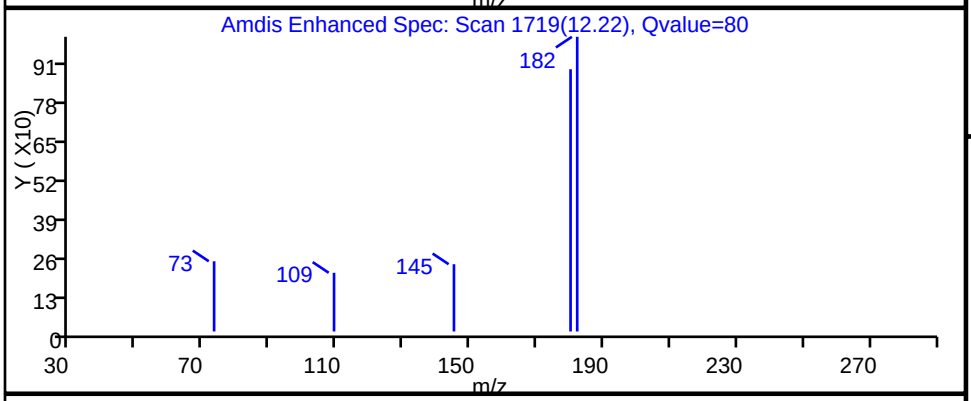
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

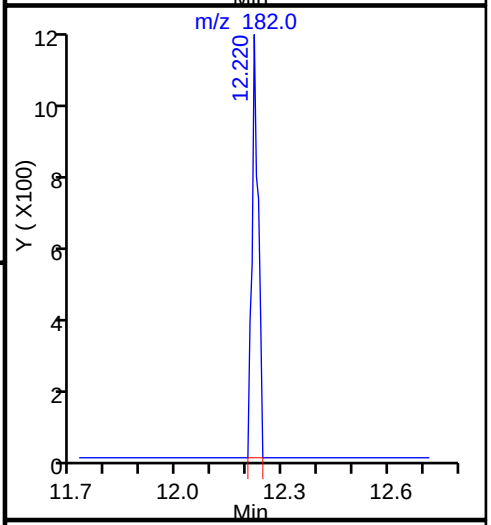
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7
Client ID:	SUMP-SED		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

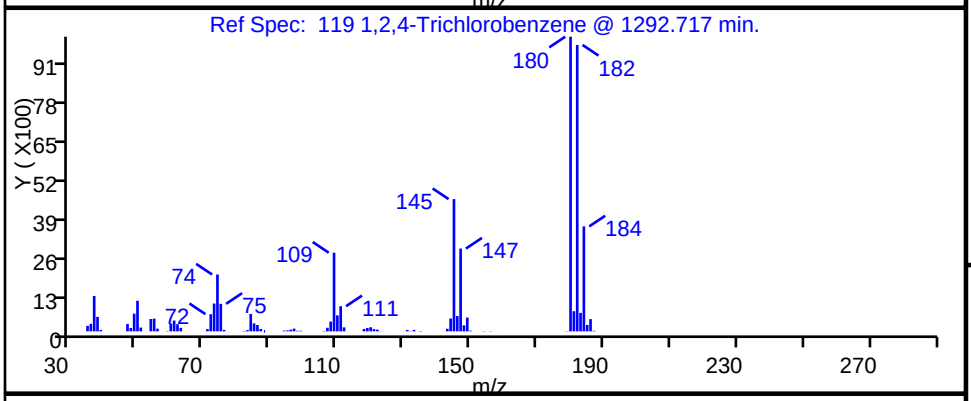
119 1,2,4-Trichlorobenzene, CAS: 120-82-1

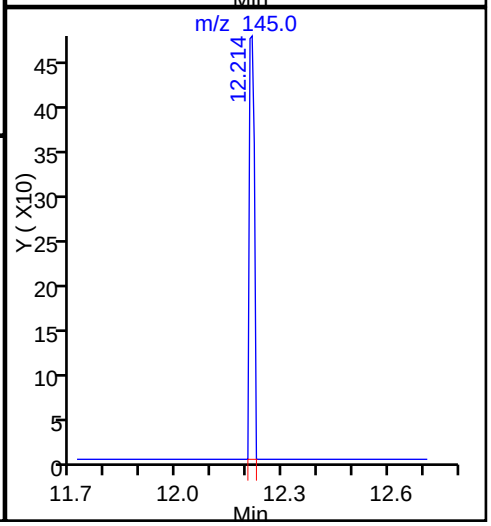


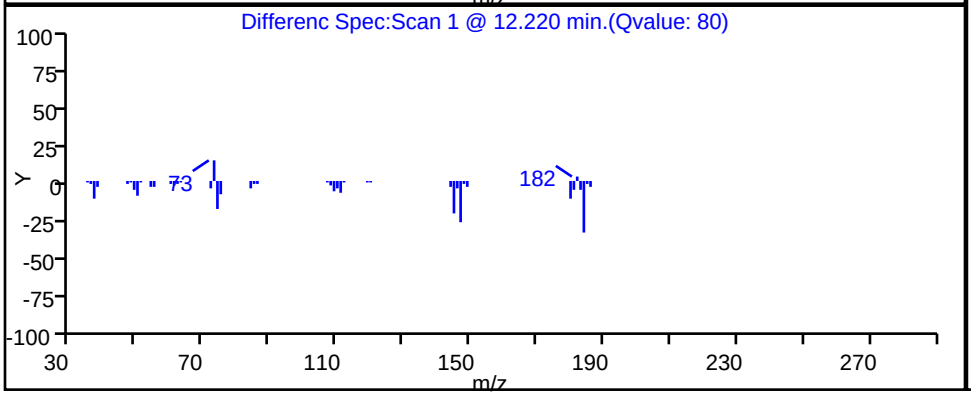












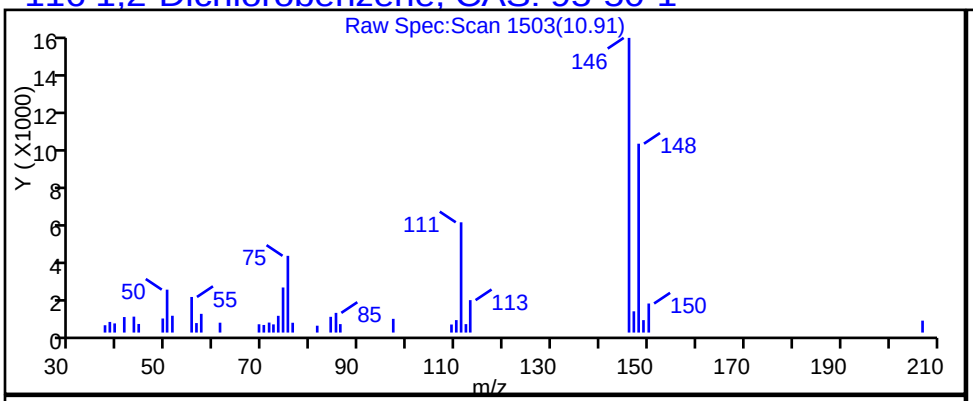
Report Date: 24-Nov-2015 10:42:20 Chrom Revision: 2.2 08-Oct-2015 07:17:48

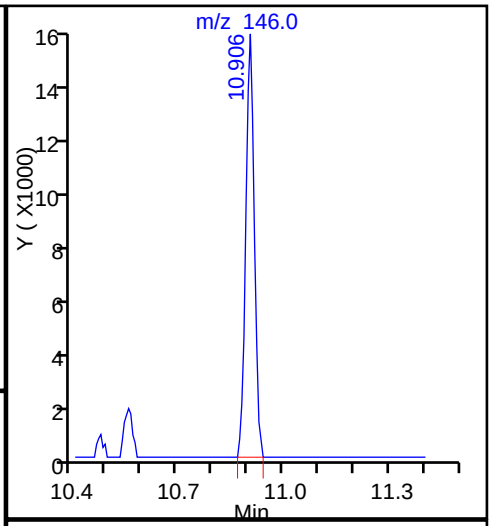
TestAmerica Buffalo

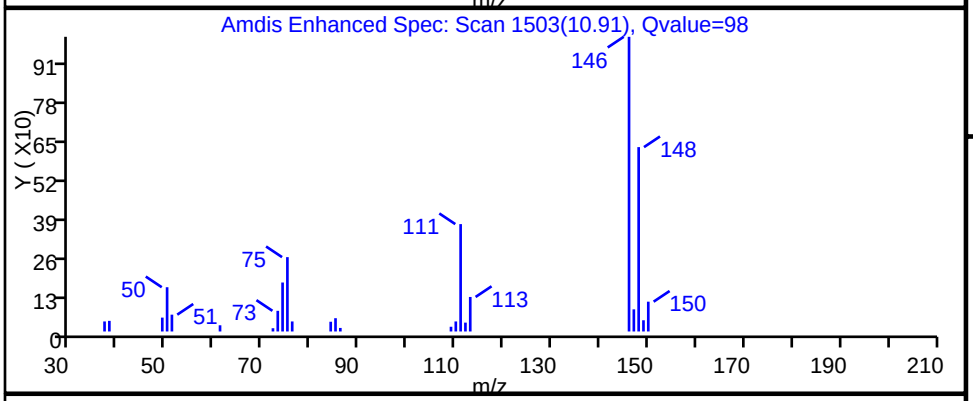
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

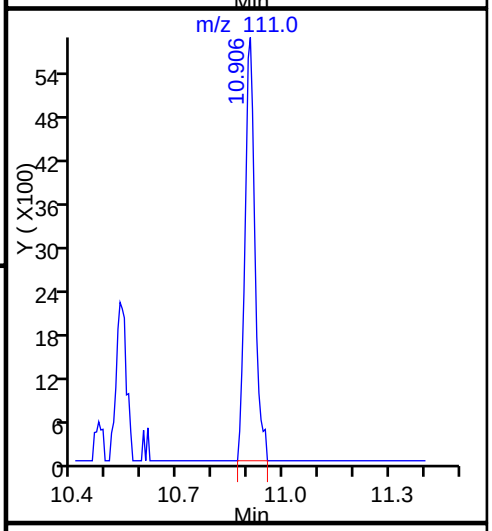
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7		
Client ID:	SUMP-SED				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

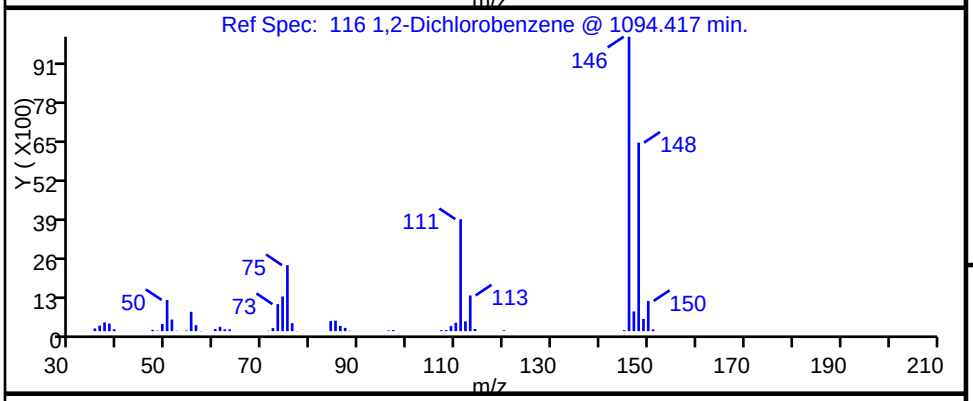
116 1,2-Dichlorobenzene, CAS: 95-50-1

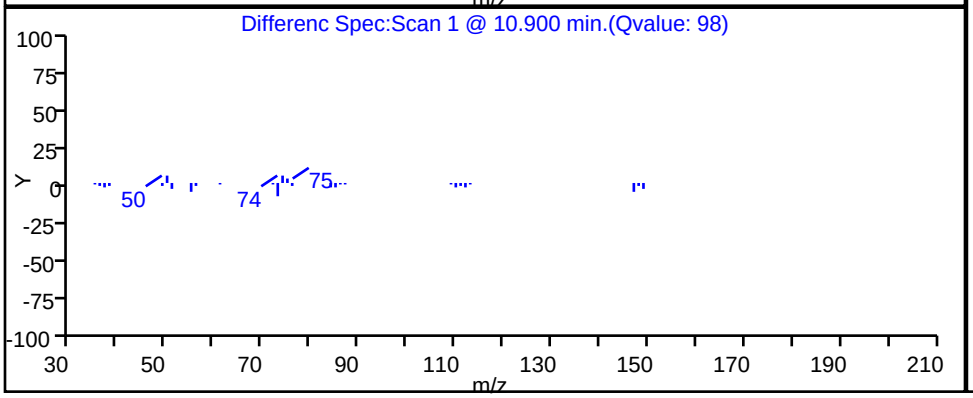


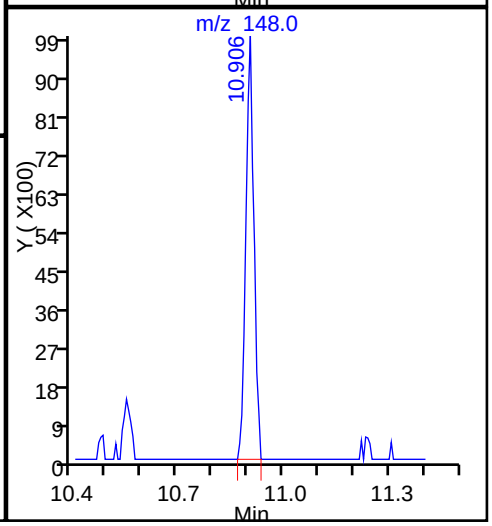












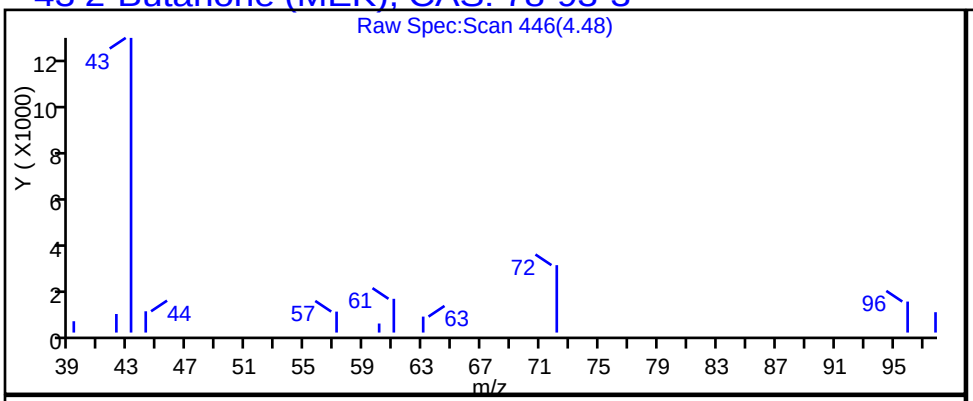
Report Date: 24-Nov-2015 10:42:20 Chrom Revision: 2.2 08-Oct-2015 07:17:48

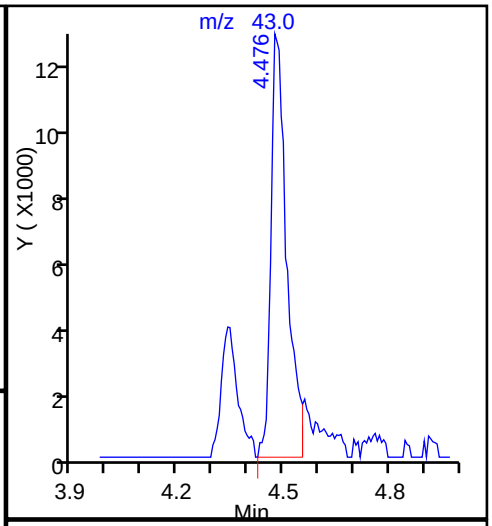
TestAmerica Buffalo

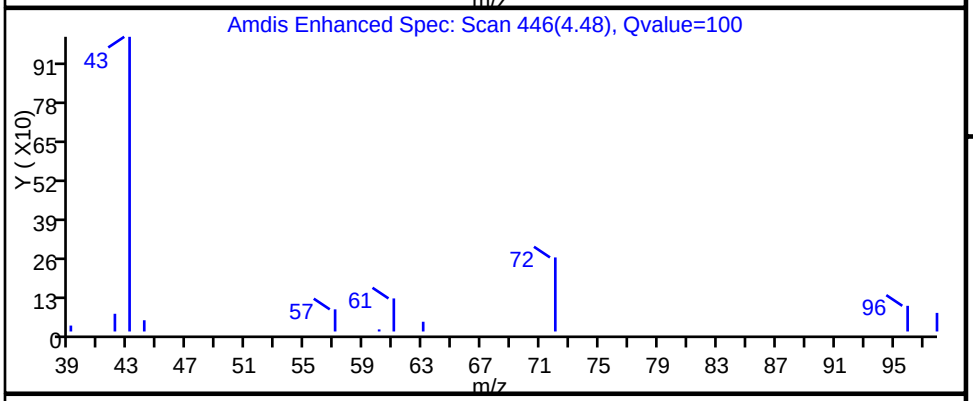
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

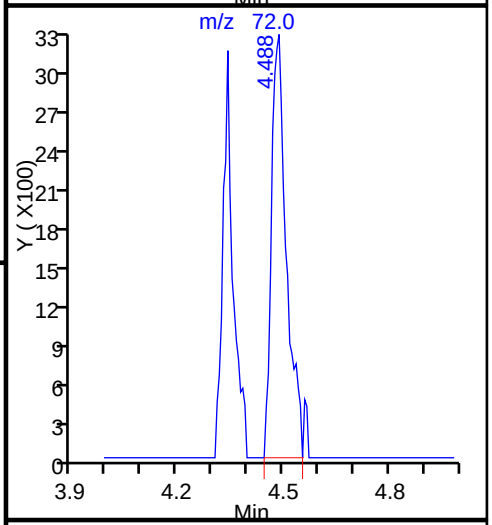
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7		
Client ID:	SUMP-SED				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

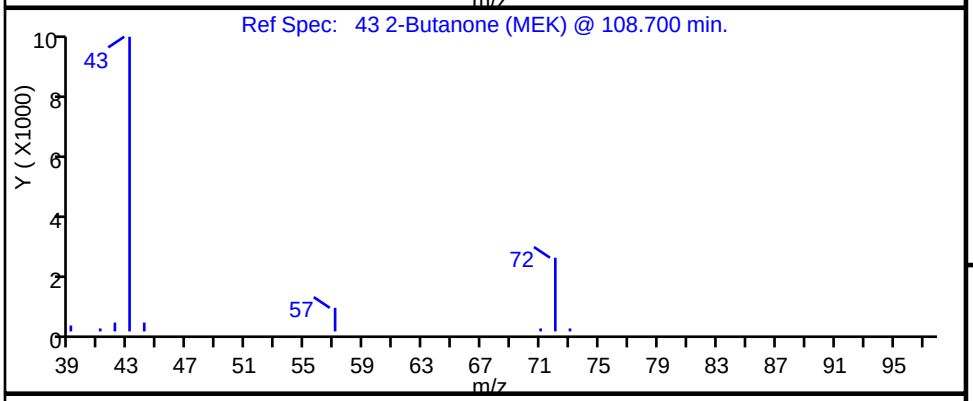
43 2-Butanone (MEK), CAS: 78-93-3

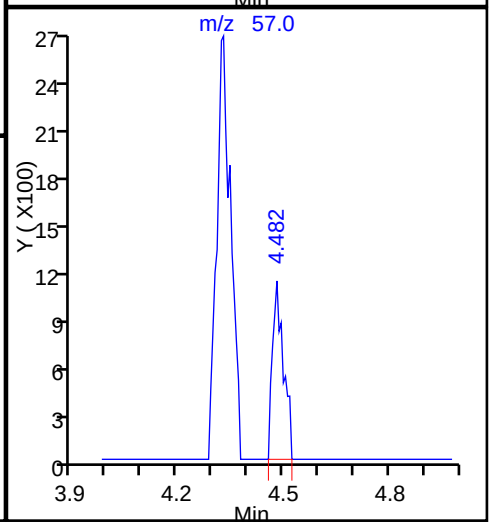


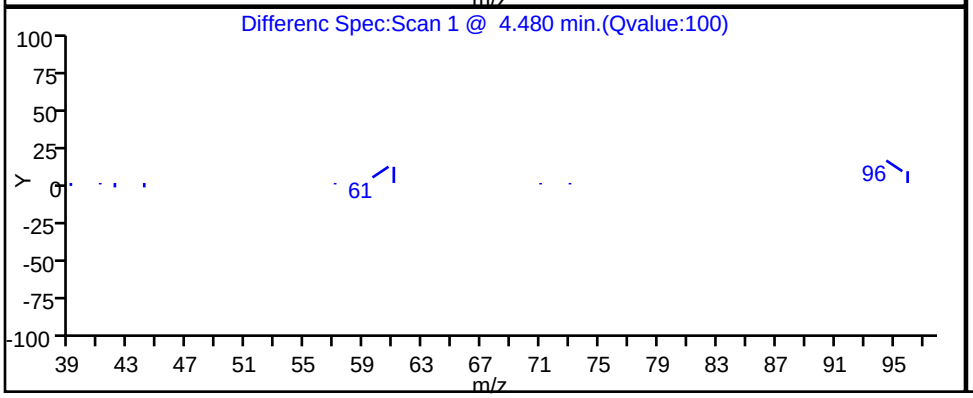










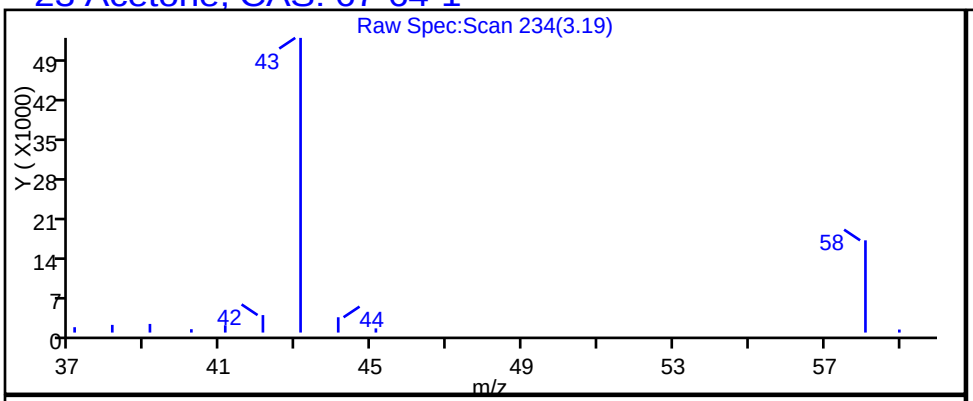


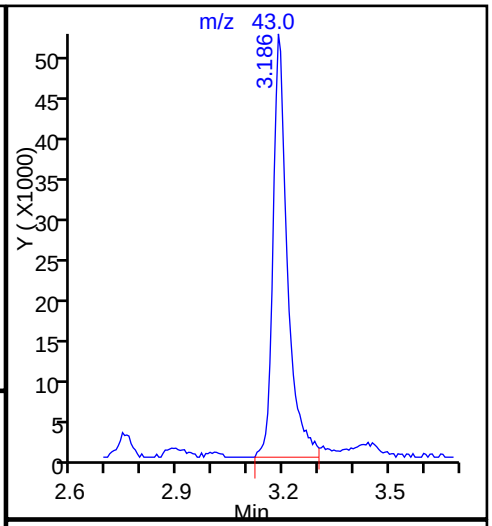
TestAmerica Buffalo

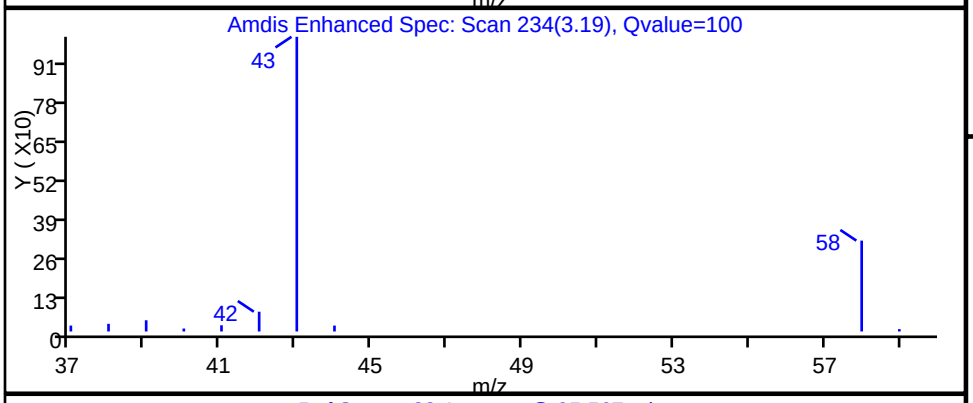
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

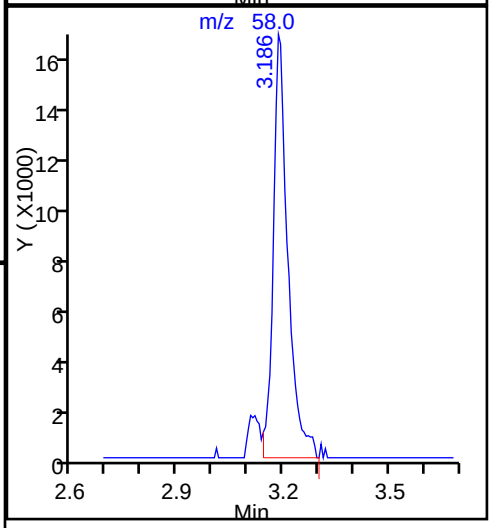
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7
Client ID:	SUMP-SED		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

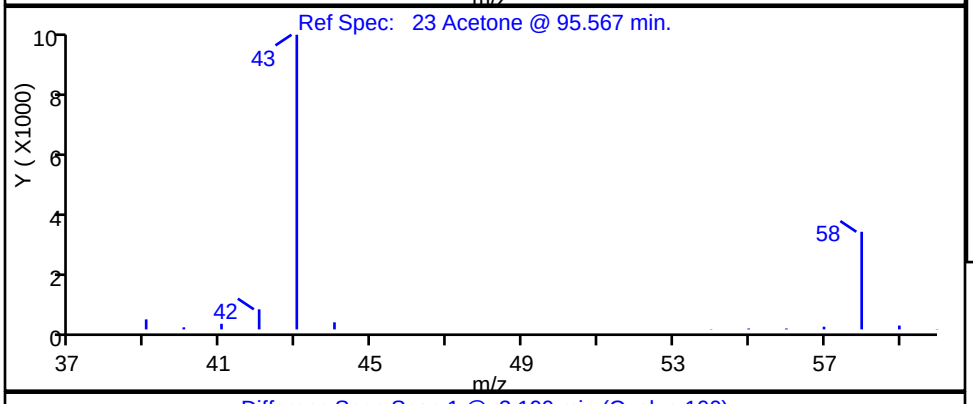
23 Acetone, CAS: 67-64-1

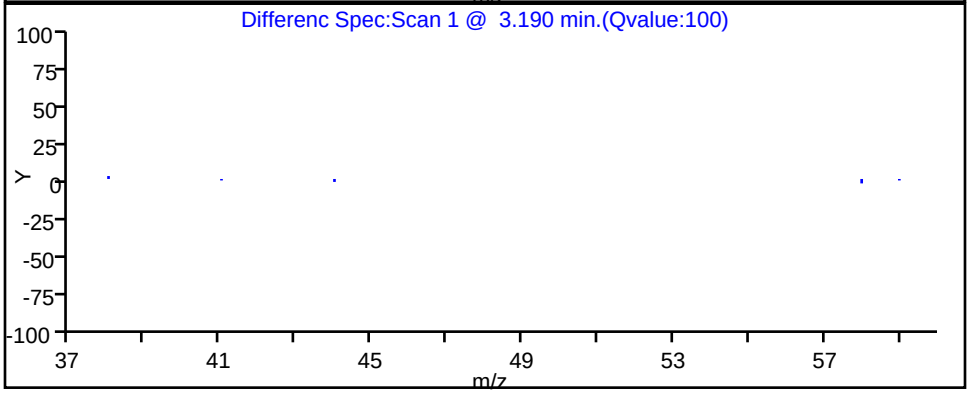










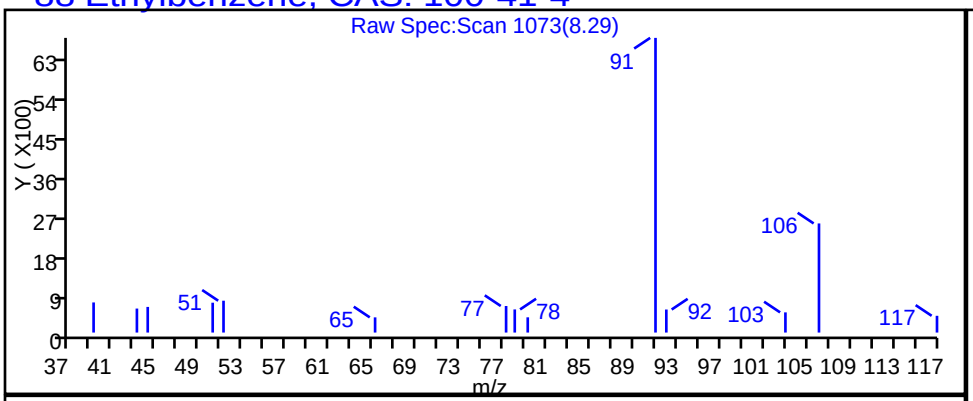


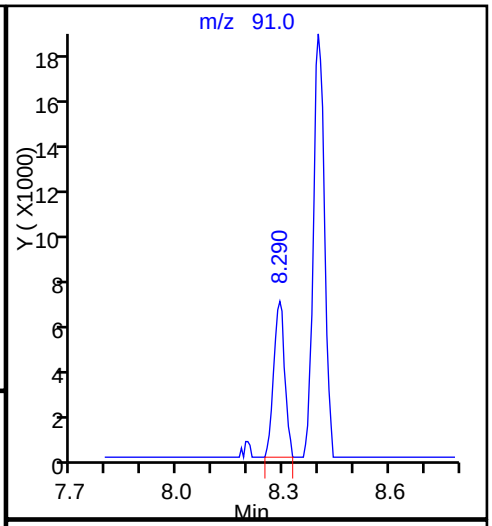
TestAmerica Buffalo

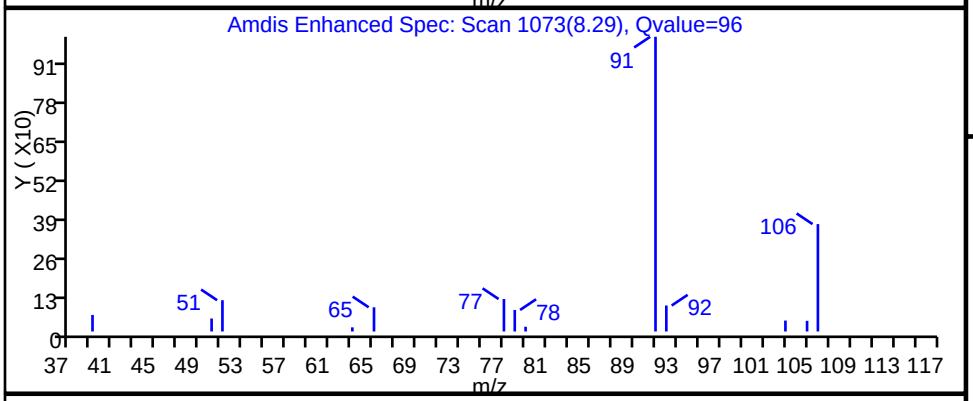
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

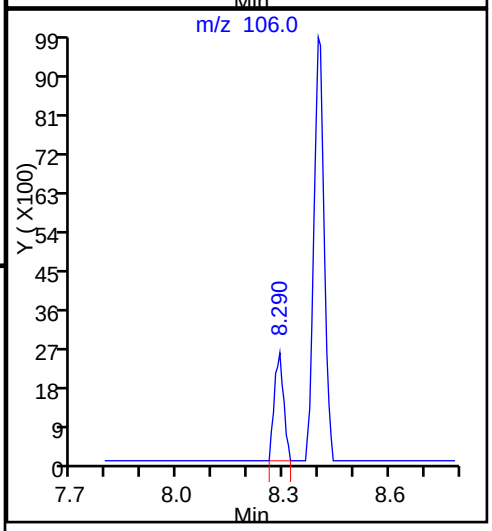
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7
Client ID:	SUMP-SED		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

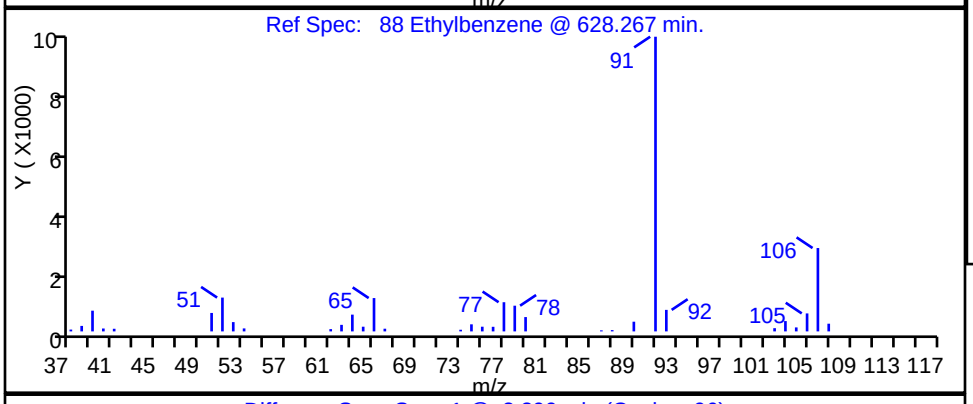
88 Ethylbenzene, CAS: 100-41-4

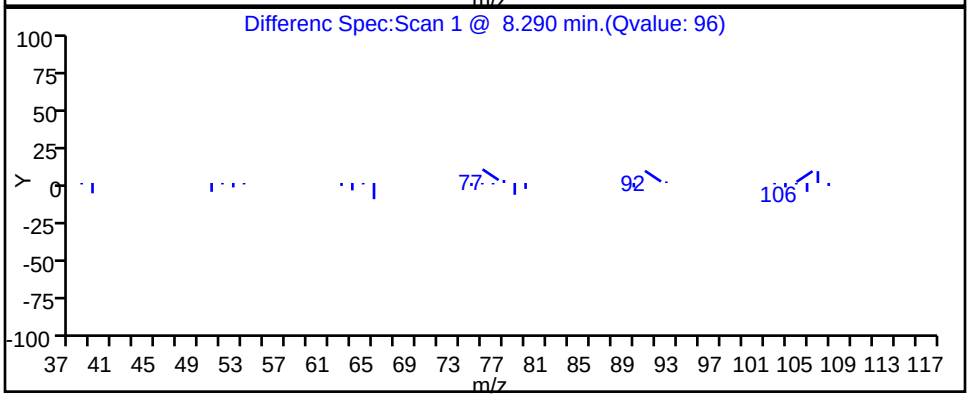










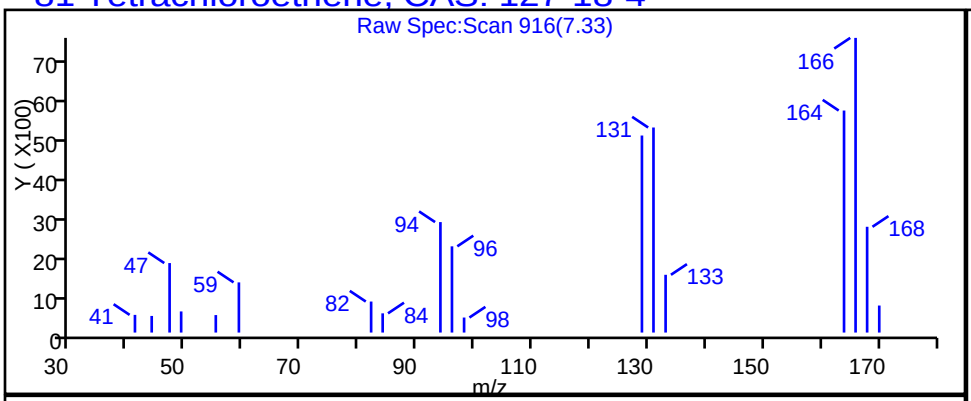


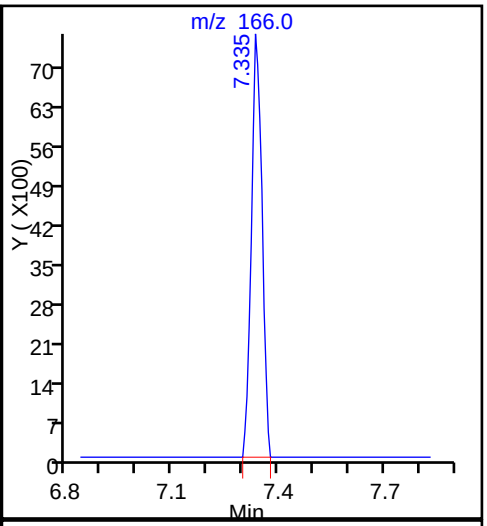
TestAmerica Buffalo

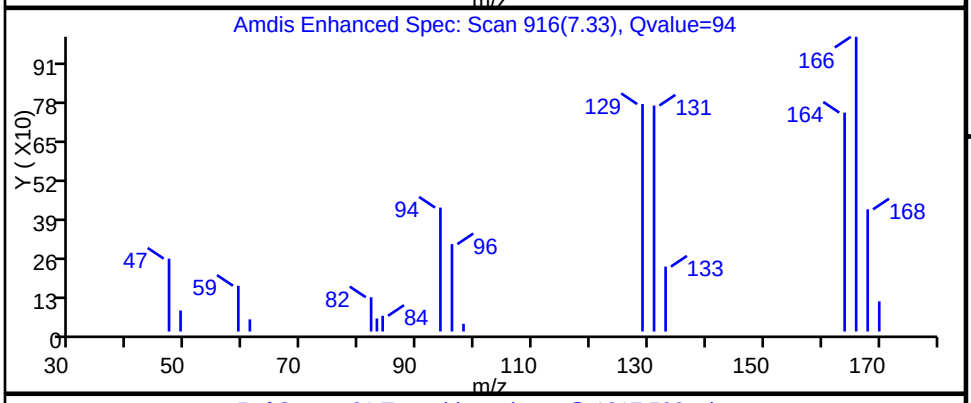
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

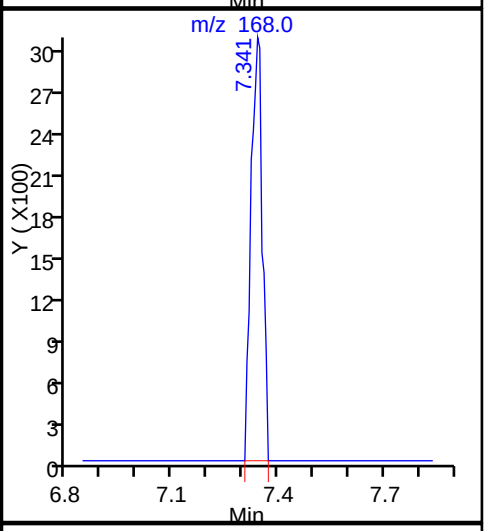
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7
Client ID:	SUMP-SED		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

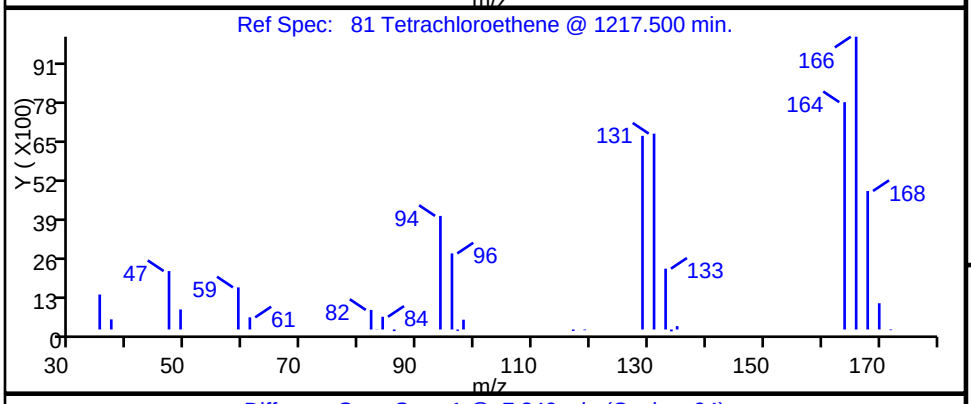
81 Tetrachloroethene, CAS: 127-18-4

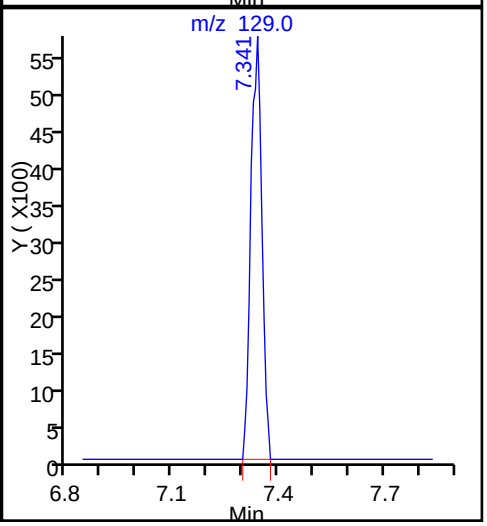


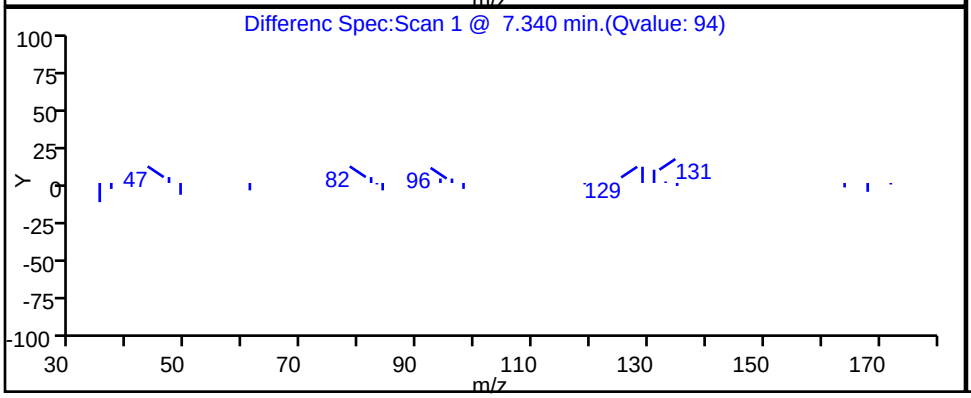








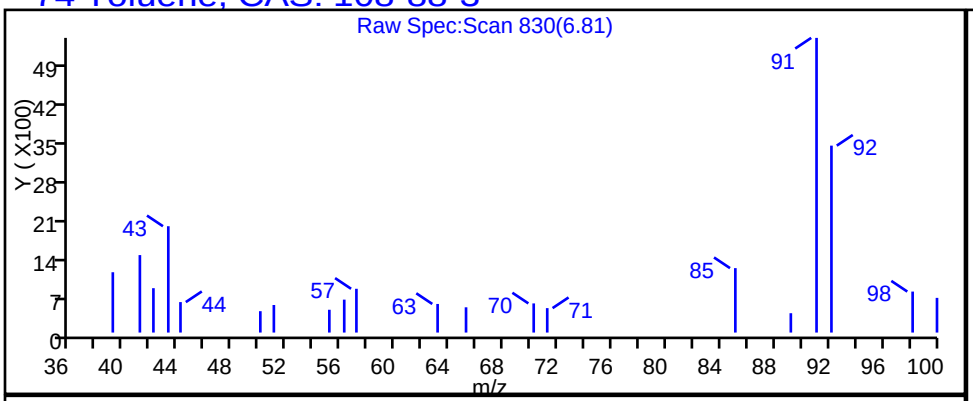


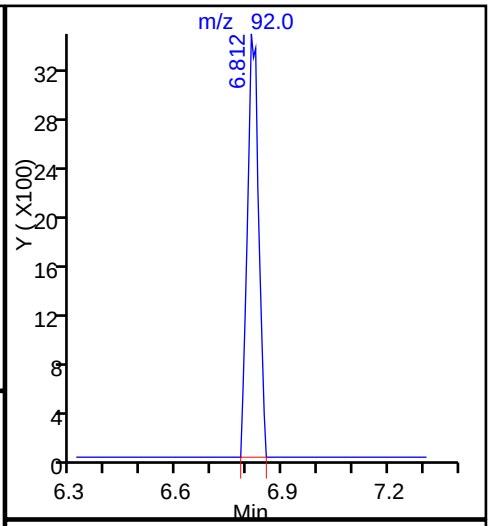


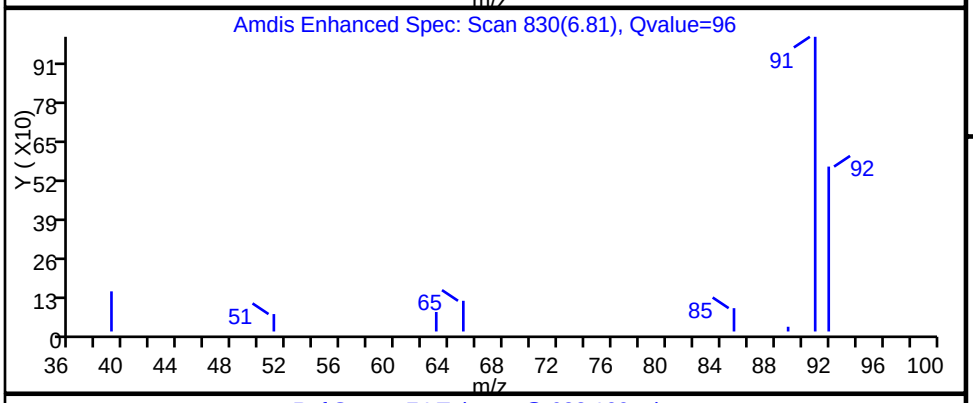
TestAmerica Buffalo

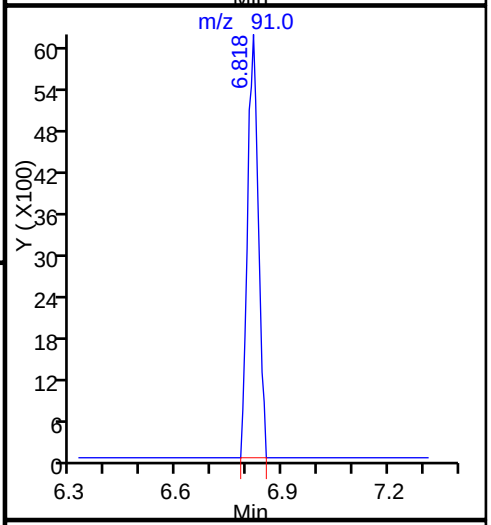
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D				
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7		
Client ID:	SUMP-SED				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

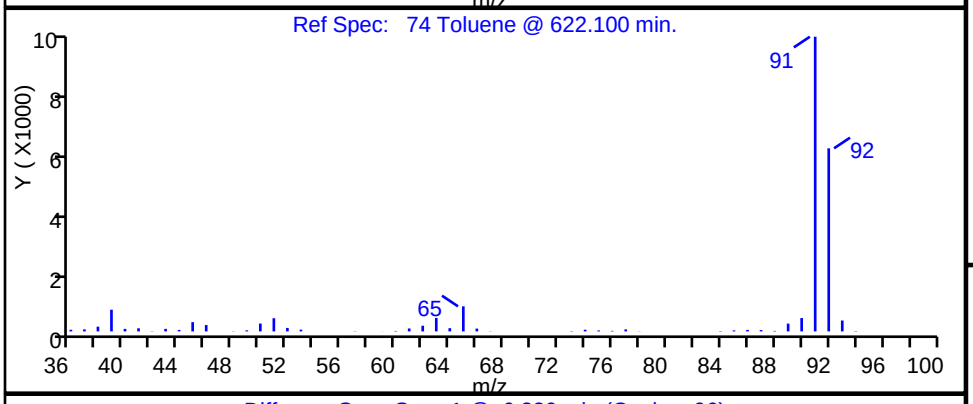
74 Toluene, CAS: 108-88-3

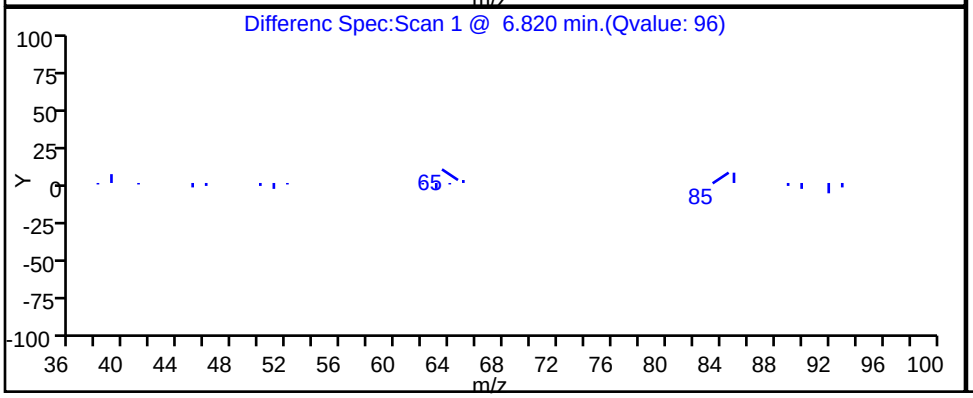


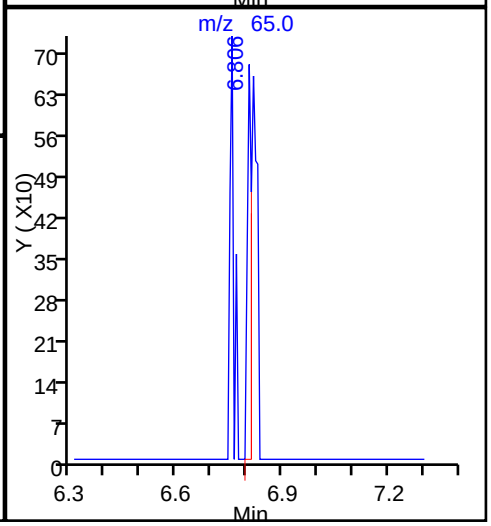










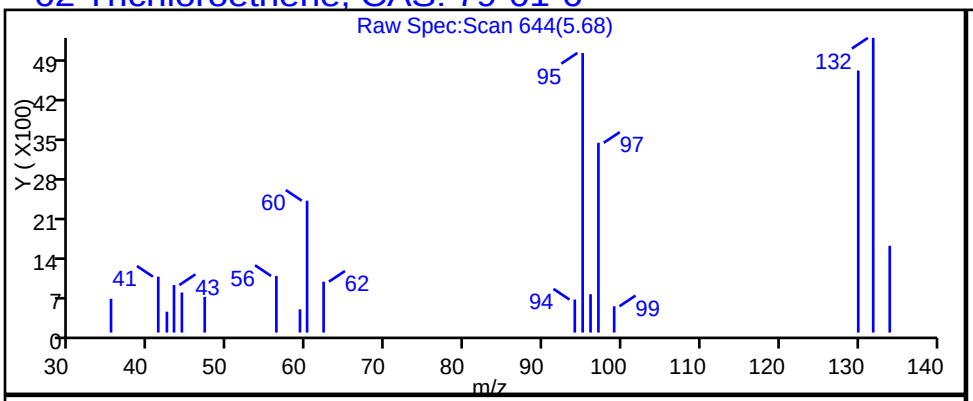


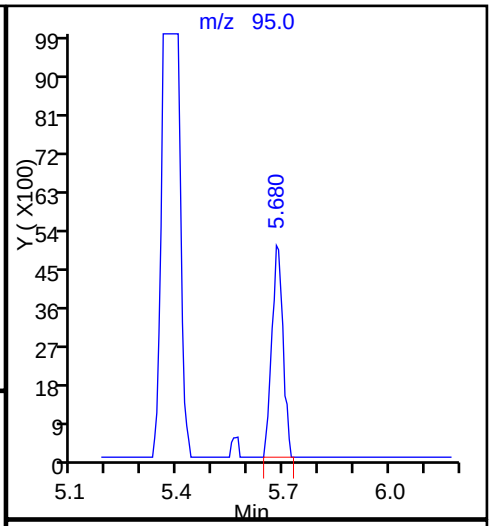
TestAmerica Buffalo

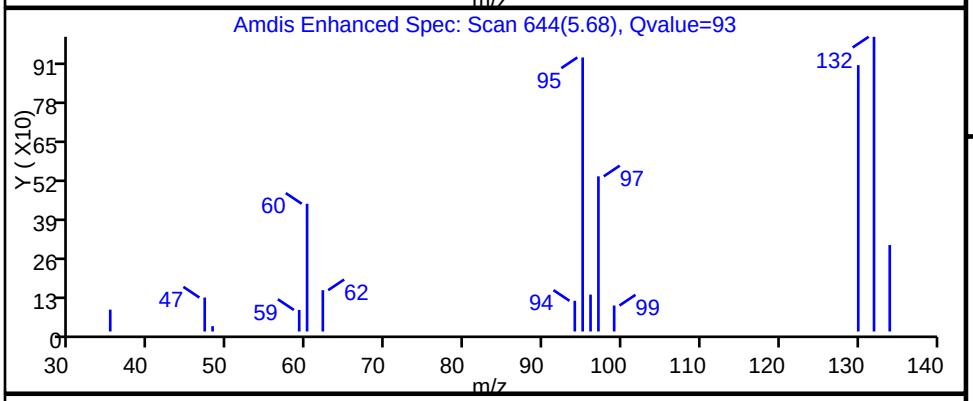
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

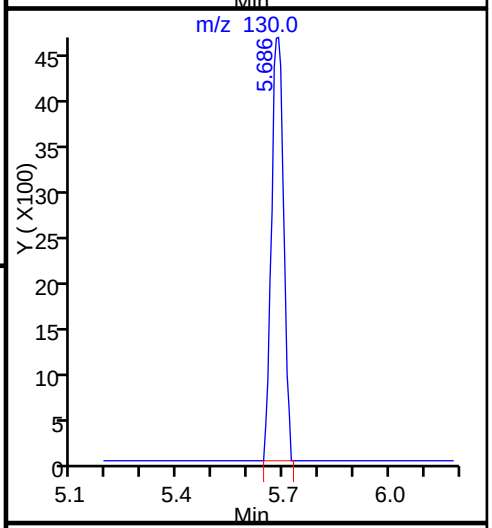
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7
Client ID:	SUMP-SED		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

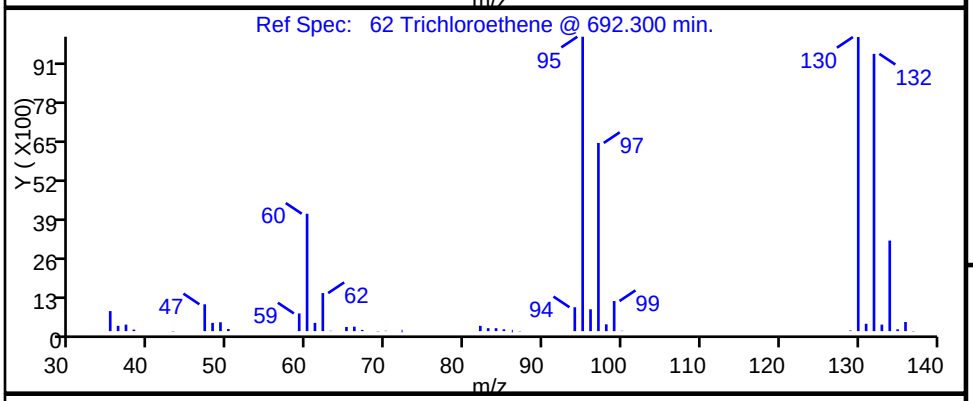
62 Trichloroethene, CAS: 79-01-6

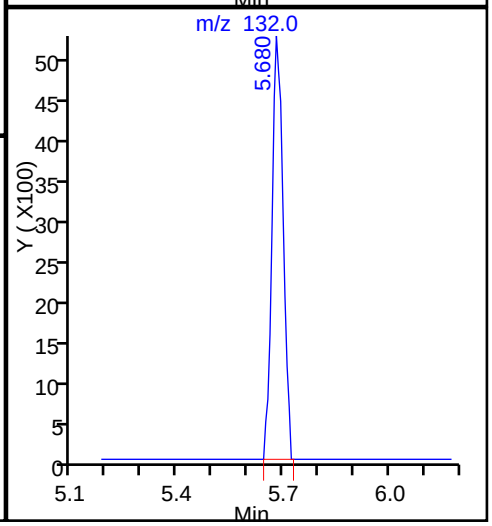


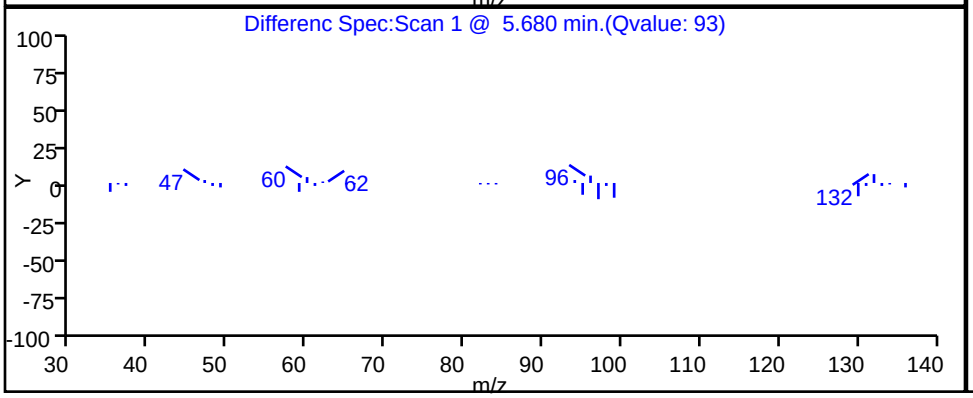








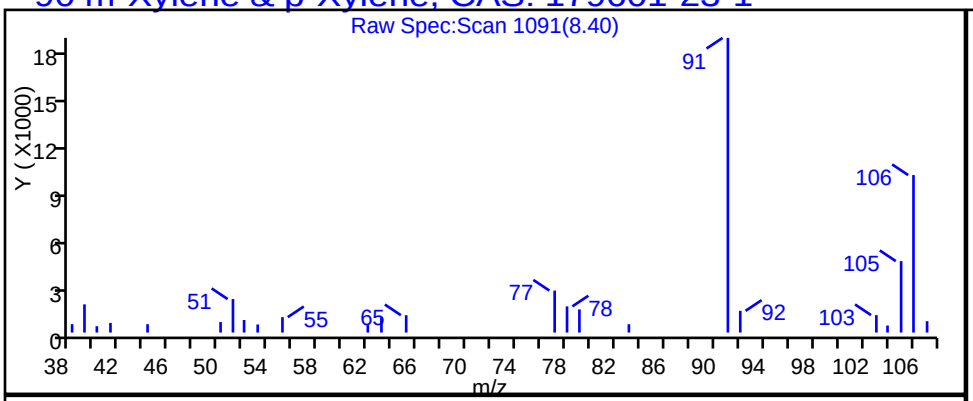


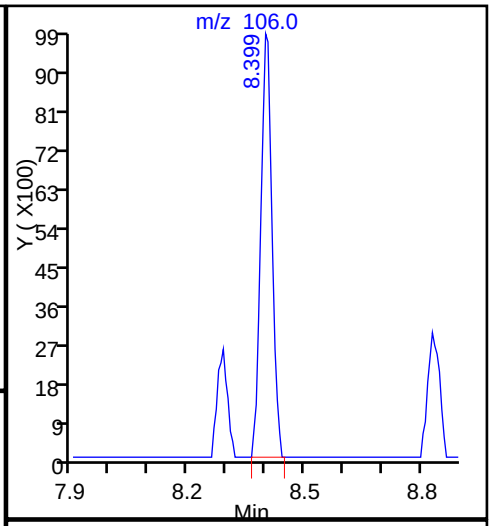


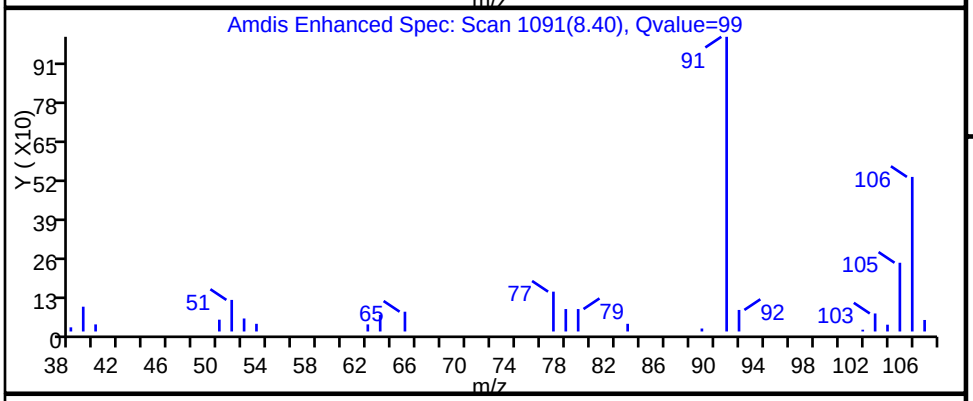
TestAmerica Buffalo

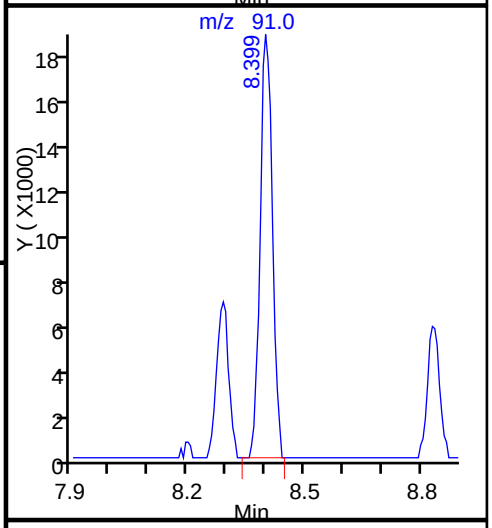
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D				
Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7		
Client ID:	SUMP-SED				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

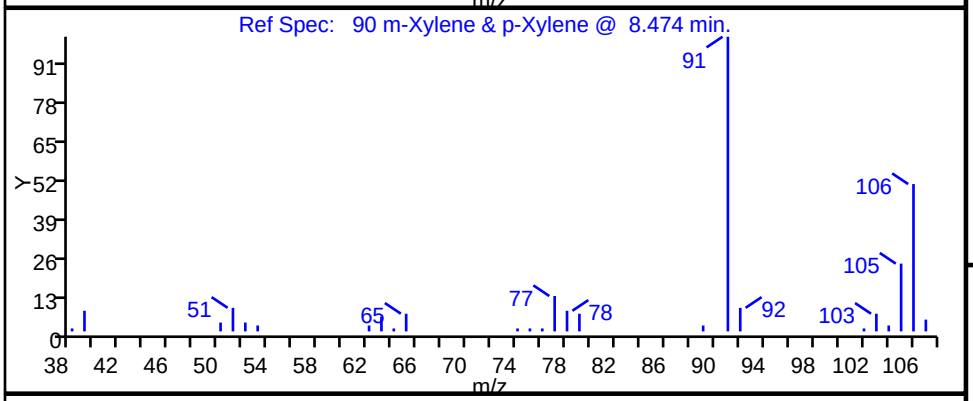
90 m-Xylene & p-Xylene, CAS: 179601-23-1

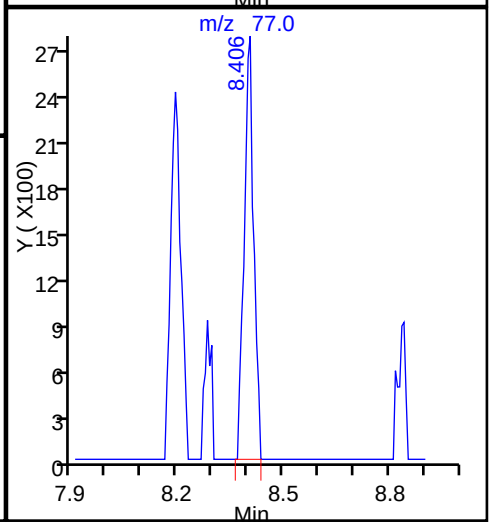


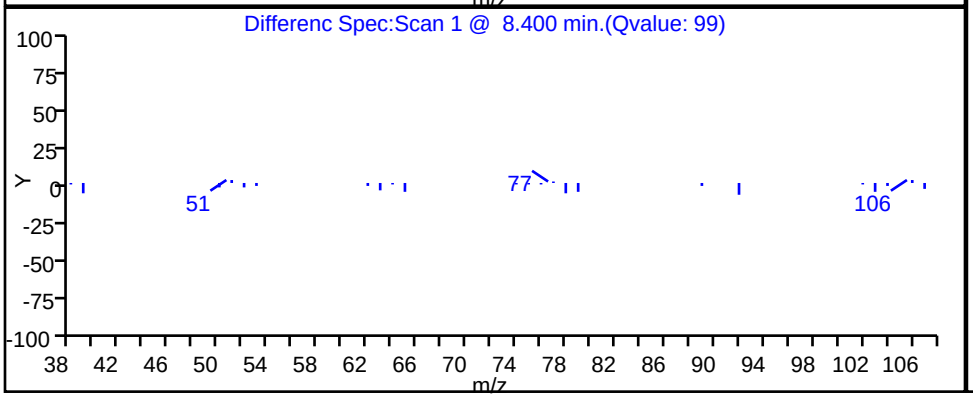












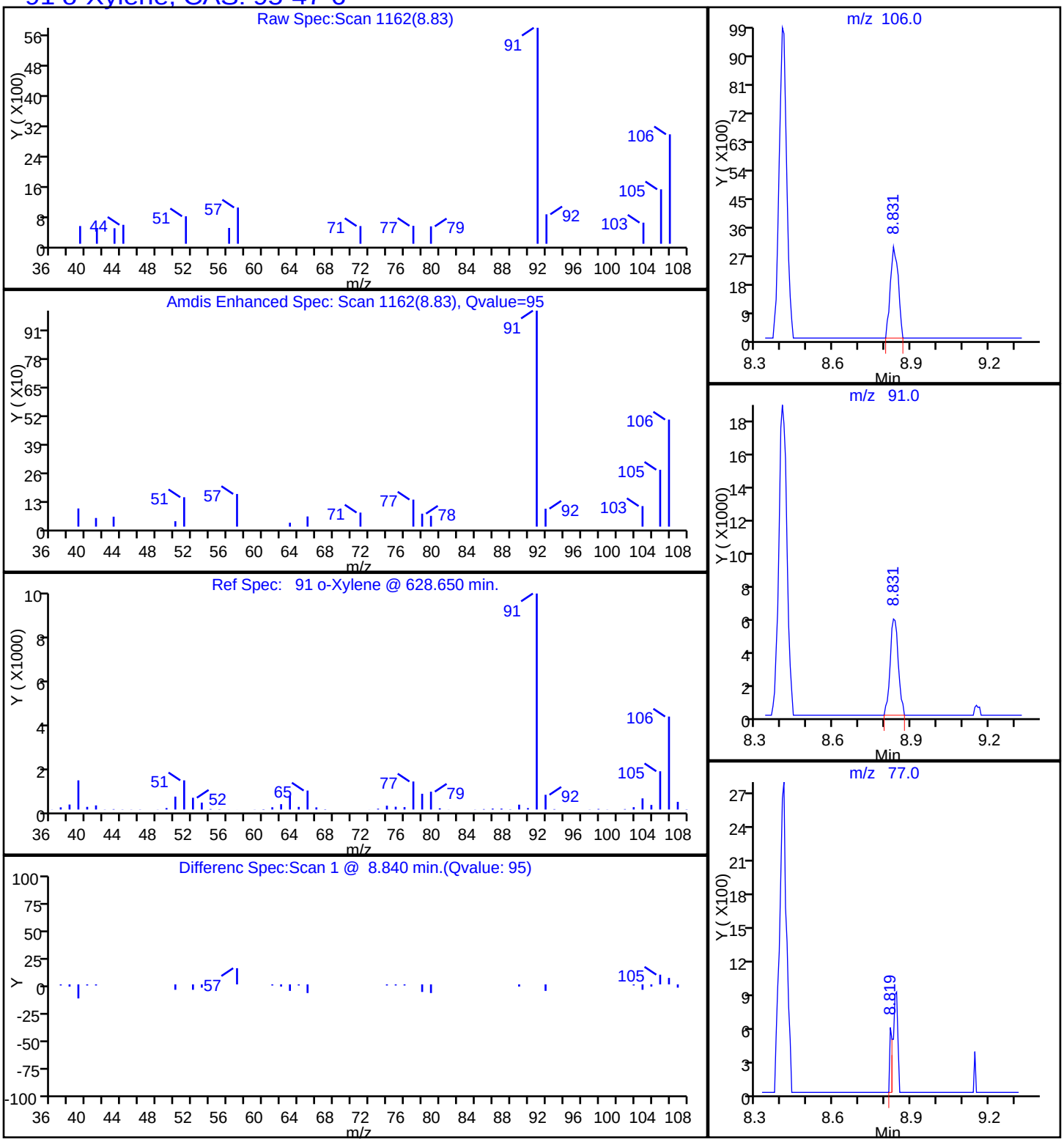
Report Date: 24-Nov-2015 10:42:20 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2672.D

Injection Date:	24-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91550-A-7-B	Lab Sample ID:	480-91550-7		
Client ID:	SUMP-SED				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-275773/4	F2488.D
Level 2	IC 480-275773/5	F2489.D
Level 3	IC 480-275773/6	F2490.D
Level 4	IC 480-275773/7	F2491.D
Level 5	ICIS 480-275773/8	F2492.D
Level 6	IC 480-275773/9	F2493.D
Level 7	IC 480-275773/10	F2494.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.9968 1.7152	1.9663 1.7498	1.9165	1.7413	1.7821	Ave		1.8383			0.1000	6.4		20.0			
Chloromethane	1.6014 1.3848	1.5829 1.3619	1.5787	1.4485	1.3826	Ave		1.4773			0.1000	7.2		20.0			
Vinyl chloride	1.3458 1.2314	1.3402 1.2214	1.3225	1.2086	1.2127	Ave		1.2689			0.1000	5.0		20.0			
Butadiene	1.3365 1.2531	1.4155 1.2597	1.3363	1.2136	1.2509	Ave		1.2951				5.4		20.0			
Bromomethane	0.8941 0.7652	0.8937 0.7731	0.8575	0.8253	0.7779	Ave		0.8267			0.1000	6.8		20.0			
Chloroethane	0.7118 0.6582	0.7367 0.6659	0.7016	0.6725	0.6678	Ave		0.6878			0.1000	4.3		20.0			
Dichlorofluoromethane	1.9800 1.8184	2.1166 1.8025	2.0254	1.8525	1.8509	Ave		1.9209				6.3		20.0			
Trichlorofluoromethane	2.0339 1.8283	2.1570 1.8306	2.0348	1.7954	1.8980	Ave		1.9397			0.1000	7.0		20.0			
Ethyl ether	1.3084 1.2364	1.3456 1.2669	1.3677	1.3226	1.2779	Ave		1.3036				3.5		20.0			
Acrolein	0.3012 0.3235	0.3266 0.2965	0.3179	0.3190	0.3129	Ave		0.3140				3.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5046 1.3329	1.4652 1.3451	1.4724	1.3045	1.4125	Ave		1.4053			0.1000	5.6		20.0			
1,1-Dichloroethene	1.4767 1.4009	1.5464 1.3928	1.5349	1.4009	1.4531	Ave		1.4579			0.1000	4.4		20.0			
Acetone	0.5825 0.5598	0.5721 0.4868	0.4879	0.5407	0.5129	Ave		0.5347			0.1000	7.4		20.0			
Iodomethane	2.6470 2.4908	2.6834 2.4461	2.6873	2.6259	2.5166	Ave		2.5853				3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.7403 4.7847	4.7121 4.7795	4.6943	4.4931	4.7420	Ave		4.7066			0.1000	2.1		20.0			
Methyl acetate	1.4679 1.4815	1.4936 1.3051	1.4943	1.4769	1.3931	Ave		1.4446			0.1000	4.9		20.0			
Allyl chloride	2.7197 2.5853	2.7340 2.5083	2.8002	2.7251	2.6286	Ave		2.6716				3.8		20.0			
Methylene Chloride	+++++ 1.5606	2.2999 1.5368	1.9797	1.8437	1.5920	Ave		1.8021			0.1000	16.7		20.0			
2-Methyl-2-propanol	0.1950 0.2115	0.1898 0.1788	0.1734	0.1819	0.1906	Ave		0.1887				6.6		20.0			
Methyl tert-butyl ether	4.4345 4.4596	4.5682 4.3494	4.6923	4.7819	4.4291	Ave		4.5307			0.1000	3.5		20.0			
trans-1,2-Dichloroethene	1.6775 1.5117	1.6795 1.4633	1.6745	1.5855	1.5464	Ave		1.5912			0.1000	5.6		20.0			
Acrylonitrile	0.6873 0.6751	0.6459 0.5908	0.6361	0.6651	0.6217	Ave		0.6460				5.2		20.0			
Hexane	+++++ 2.6402	3.3415 2.6457	3.0404	2.7470	2.7727	Ave		2.8646				9.6		20.0			
Vinyl acetate	2.5851 3.0027	2.8282 2.8447	2.9572	3.1192	2.9235	Ave		2.8944				5.8		20.0			
1,1-Dichloroethane	3.0216 2.7013	2.9758 2.6644	2.9902	2.9238	2.7564	Ave		2.8619			0.2000	5.2		20.0			
2,2-Dichloropropane	2.0835 2.0619	2.0895 2.0565	2.1264	2.0488	2.0949	Ave		2.0802				1.3		20.0			
2-Butanone (MEK)	0.7708 0.9115	0.7833 0.7929	0.8137	0.8470	0.8229	Ave		0.8203			0.1000	5.8		20.0			
cis-1,2-Dichloroethene	1.7535 1.6277	1.7604 1.5976	1.7963	1.7567	1.6527	Ave		1.7064			0.1000	4.6		20.0			
Chlorobromomethane	0.7738 0.8149	0.8301 0.8119	0.8628	0.8928	0.8175	Ave		0.8291				4.6		20.0			
Tetrahydrofuran	0.5414 0.6468	0.5636 0.5751	0.5769	0.5964	0.5741	Ave		0.5821				5.7		20.0			
Chloroform	2.6802 2.5085	2.7025 2.4965	2.7532	2.7090	2.5363	Ave		2.6266			0.2000	4.1		20.0			
1,1,1-Trichloroethane	2.1406 2.1485	2.2432 2.1755	2.2545	2.1411	2.2012	Ave		2.1864			0.1000	2.2		20.0			
Cyclohexane	2.8459 2.6798	2.9239 2.6642	2.8749	2.5928	2.7444	Ave		2.7608			0.1000	4.5		20.0			
1,1-Dichloropropene	2.1933 2.0858	2.1651 2.0788	2.2128	2.0787	2.1155	Ave		2.1329				2.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	1.8323 1.9195	1.8968 1.9437	1.8988	1.8220	1.9501	Ave		1.8947			0.1000	2.7		20.0			
Isobutyl alcohol	0.0679 0.0945	0.0735 0.0821	0.0724	0.0774	0.0833	Ave		0.0787				11.2		20.0			
Benzene	6.6309 5.9410	6.6207 5.8389	6.5767	6.4478	6.0453	Ave		6.3002			0.5000	5.5		20.0			
1,2-Dichloroethane	2.1057 1.9781	2.1378 1.9599	2.1466	2.2008	1.9831	Ave		2.0731			0.1000	4.7		20.0			
n-Heptane	+++++ 2.7759	3.1677 2.7988	2.9910	2.7566	2.8374	Ave		2.8879				5.6		20.0			
Trichloroethene	1.6338 1.5318	1.6125 1.5240	1.6024	1.5948	1.5378	Ave		1.5767			0.2000	2.8		20.0			
Methylcyclohexane	2.7343 2.6539	2.7107 2.6939	2.8249	2.5980	2.7300	Ave		2.7065			0.1000	2.6		20.0			
1,2-Dichloropropane	1.5226 1.4744	1.5374 1.4823	1.5434	1.5938	1.4850	Ave		1.5198			0.1000	2.8		20.0			
1,4-Dioxane	0.0027 0.0080	0.0042 0.0073	0.0056	0.0077	0.0074	Lin1	-0.272	0.0077							0.9970		0.9900
Dibromomethane	0.8690 0.8711	0.8815 0.8734	0.8992	0.9313	0.8535	Ave		0.8827			0.1000	2.9		20.0			
Bromodichloromethane	1.6708 1.8721	1.7458 1.9248	1.8186	1.9037	1.8328	Ave		1.8241			0.2000	4.9		20.0			
2-Chloroethyl vinyl ether	0.6967 0.8255	0.6980 0.8275	0.7349	0.8144	0.7718	Ave		0.7670				7.5		20.0			
cis-1,3-Dichloropropene	2.0013 2.3731	2.1245 2.4286	2.3110	2.4798	2.3224	Ave		2.2915			0.2000	7.4		20.0			
4-Methyl-2-pentanone (MIBK)	0.7948 0.8672	0.8574 0.7658	0.8261	0.8791	0.8165	Ave		0.8296			0.1000	4.9		20.0			
Toluene	+++++ 1.8741	2.1263 1.8822	2.0566	2.0462	1.9105	Ave		1.9826			0.4000	5.4		20.0			
Ethyl methacrylate	+++++ 0.9758	0.8396 0.9570	0.8900	0.9833	0.9281	Ave		0.9290				6.0		20.0			
trans-1,3-Dichloropropene	0.9374 1.0538	0.9517 1.0764	1.0176	1.1122	1.0371	Ave		1.0266			0.1000	6.2		20.0			
1,1,2-Trichloroethane	0.5531 0.5366	0.5596 0.5303	0.5495	0.5726	0.5256	Ave		0.5468			0.1000	3.1		20.0			
Tetrachloroethene	+++++ 0.7612	0.8630 0.7590	0.8205	0.7948	0.7841	Ave		0.7971			0.2000	5.0		20.0			
1,3-Dichloropropane	1.1394 1.0850	1.1610 1.0704	1.1570	1.2165	1.0842	Ave		1.1305				4.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.5386 0.6502	0.5828 0.5688	0.5778	0.6319	0.5913	Ave		0.5916			0.1000	6.4		20.0			
Dibromochloromethane	0.5924 0.7458	0.6110 0.7717	0.6561	0.7383	0.7137	Ave		0.6899			0.1000	10.2		20.0			
1,2-Dibromoethane	0.6723 0.6791	0.6576 0.6859	0.6655	0.7208	0.6618	Ave		0.6776				3.2		20.0			
Chlorobenzene	2.3290 2.0407	2.2232 2.0239	2.2256	2.2694	2.0589	Ave		2.1672			0.5000	5.7		20.0			
Ethylbenzene	+++++ 3.3893	3.8958 3.3049	3.7444	3.7090	3.4821	Ave		3.5876			0.1000	6.4		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.6998	0.6622 0.7030	0.7012	0.7341	0.6954	Ave		0.6993				3.3		20.0			
m,p-Xylene	+++++ 1.3915	1.8790 1.3809	1.6189	1.5648	1.4236	Ave		1.5431			0.1000	12.4		20.0			
o-Xylene	+++++ 1.3209	1.4745 1.3037	1.4480	1.4482	1.3469	Ave		1.3904			0.3000	5.4		20.0			
Styrene	2.1232 2.2226	2.2202 2.2109	2.2626	2.3893	2.2335	Ave		2.2375			0.3000	3.6		20.0			
Bromoform	+++++ 0.4103	0.3011 0.4196	0.3322	0.3627	0.3720	Ave		0.3663			0.1000	12.4		20.0			
Isopropylbenzene	3.8627 3.5639	3.7789 3.5345	3.7687	3.7739	3.6301	Ave		3.7018			0.1000	3.4		20.0			
1,1,2,2-Tetrachloroethane	0.8724 0.9220	0.9061 0.8851	0.8924	0.9469	0.8813	Ave		0.9009			0.3000	2.9		20.0			
Bromobenzene	1.0015 0.8955	0.9929 0.8864	0.9396	0.9878	0.9047	Ave		0.9441				5.3		20.0			
trans-1,4-Dichloro-2-butene	0.2901 0.3438	0.2910 0.3291	0.3048	0.3248	0.3117	Ave		0.3136				6.4		20.0			
N-Propylbenzene	4.5900 4.1604	4.6312 4.0308	4.4790	4.5139	4.2714	Ave		4.3824				5.2		20.0			
1,2,3-Trichloropropane	0.2837 0.2970	0.3126 0.2814	0.2900	0.3119	0.2807	Ave		0.2939				4.7		20.0			
2-Chlorotoluene	0.9426 0.8691	0.9469 0.8803	0.9433	0.9320	0.8802	Ave		0.9135				3.8		20.0			
1,3,5-Trimethylbenzene	3.2984 2.9636	3.3033 2.9202	3.2011	3.1671	2.9941	Ave		3.1211				5.1		20.0			
4-Chlorotoluene	1.0047 0.9227	1.0118 0.9352	0.9818	0.9903	0.9298	Ave		0.9681				3.9		20.0			
tert-Butylbenzene	0.6994 0.6947	0.7300 0.6908	0.7187	0.7199	0.6967	Ave		0.7072				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 3.0304	3.5486 2.9929	3.3235	3.3399	3.0666	Ave		3.2170				6.9		20.0			
sec-Butylbenzene	4.0465 3.8304	4.1846 3.7582	4.0691	4.0105	3.9226	Ave		3.9746				3.7		20.0			
4-Isopropyltoluene	3.5321 3.3372	3.5197 3.2706	3.5407	3.5011	3.4008	Ave		3.4432				3.1		20.0			
1,3-Dichlorobenzene	1.8966 1.7200	1.8693 1.7217	1.8839	1.9189	1.7471	Ave		1.8225			0.6000	4.9		20.0			
1,4-Dichlorobenzene	1.9542 1.7428	1.8984 1.7423	1.8960	1.9369	1.7635	Ave		1.8478			0.5000	5.1		20.0			
n-Butylbenzene	3.0395 2.9144	3.0740 2.9320	3.0476	3.0106	2.9753	Ave		2.9991				2.0		20.0			
1,2-Dichlorobenzene	1.7623 1.6412	1.7403 1.6277	1.7276	1.7965	1.6421	Ave		1.7054			0.4000	4.0		20.0			
1,2-Dibromo-3-Chloropropane	0.1302 0.1825	0.1422 0.1732	0.1330	0.1546	0.1570	Ave		0.1532			0.0500	12.9		20.0			
1,2,4-Trichlorobenzene	0.9385 0.9095	0.9492 0.9018	0.9515	0.9680	0.9113	Ave		0.9328			0.2000	2.7		20.0			
Hexachlorobutadiene	0.4241 0.4023	0.4365 0.3886	0.4251	0.4023	0.4081	Ave		0.4124				4.0		20.0			
Naphthalene	3.2966 3.0816	3.0336 2.8999	2.9256	3.0055	2.8908	Ave		3.0191				4.7		20.0			
1,2,3-Trichlorobenzene	0.9208 0.8555	0.8646 0.8345	0.8910	0.8792	0.8397	Ave		0.8693				3.5		20.0			
Dibromofluoromethane (Surr)	0.9836 1.0220	1.0076 1.0271	1.0438	1.0254	1.0014	Ave		1.0159				1.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.6025 0.6012	0.6154 0.6176	0.6385	0.6182	0.5944	Ave		0.6126				2.4		20.0			
Toluene-d8 (Surr)	2.0438 2.0425	2.0626 2.0719	2.0602	2.0898	1.9952	Ave		2.0523				1.5		20.0			
4-Bromofluorobenzene (Surr)	0.5456 0.5497	0.5527 0.5602	0.5631	0.5771	0.5493	Ave		0.5568				2.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-275773/4	F2488.D
Level 2	IC 480-275773/5	F2489.D
Level 3	IC 480-275773/6	F2490.D
Level 4	IC 480-275773/7	F2491.D
Level 5	ICIS 480-275773/8	F2492.D
Level 6	IC 480-275773/9	F2493.D
Level 7	IC 480-275773/10	F2494.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	18551 656956	36428 1438024	72151	134220	332133	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	14878 530394	29325 1119188	59431	111651	257676	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	12503 471665	24829 1003785	49786	93158	226007	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	12417 479954	26223 1035227	50309	93542	233123	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	8307 293097	16557 635338	32281	63609	144985	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	6613 252088	13649 547240	26411	51836	124466	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	18395 696503	39212 1481303	76249	142789	344945	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	18896 700280	39961 1504360	76603	138389	353736	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	12156 473570	24929 1041114	51491	101942	238157	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	13993 619552	30251 1218388	59840	122940	291591	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	13978 510536	27144 1105375	55429	100547	263247	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	13719 536560	28649 1144637	57782	107976	270809	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Ave	27057 1072005	52997 2000354	91835	208366	477946	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	24592 954051	49712 2010186	101167	202399	469021	2.50 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	44039 1832672	87297 3927835	176724	346318	883762	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	68185 2837225	138350 5362841	281281	569192	1298195	12.5 500	25.0 1000	50.0	100	250
Allyl chloride	FB	Ave	25267 990231	50650 2061298	105419	210047	489891	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Ave	+++++ 597749	42608 1262947	74529	142108	296702	+++++ 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	18114 810083	35169 1469065	65297	140227	355272	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	41198 1708151	84631 3574392	176649	368583	825451	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	15585 579001	31114 1202522	63040	122205	288207	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	63856 2585645	119656 4855522	239459	512683	1158680	25.0 1000	50.0 2000	100	200	500
Hexane	FB	Ave	+++++ 1011251	61904 2174241	114462	211734	516750	+++++ 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	48034 2300225	104789 4675540	222660	480842	1089698	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	28072 1034654	55130 2189623	112569	225363	513717	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	19357 789773	38710 1690016	80052	157921	390427	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	35805 1745600	72553 3257941	153171	326412	766796	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	16291 623454	32614 1312908	67625	135402	308013	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	7189 312125	15379 667196	32481	68812	152349	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	10060 495505	20882 945319	43437	91934	213995	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	24900 960822	50066 2051639	103650	208806	472684	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	19887 822925	41558 1787805	84876	165030	410233	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	26440 1026412	54168 2189445	108232	199848	511476	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	20377 798916	40110 1708348	83306	160225	394276	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	17023 735197	35140 1597323	71482	140437	363443	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	15769 904716	34060 1686084	68109	149205	388290	62.5 2500	125 5000	250	500	1250

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	61604 2275552	122655 4798458	247592	496987	1126661	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	19563 757662	39605 1610642	80811	169636	369588	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	+++++ 1063227	58685 2300026	112600	212475	528804	+++++ 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	15179 586707	29874 1252448	60324	122922	286593	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	25403 1016516	50218 2213874	106349	200252	508800	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	14146 564723	28481 1218159	58104	122851	276764	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Lin1	993 121989	3056 240407	8440	23700	54783	50.0 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	8073 333662	16331 717723	33853	71786	159072	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	15522 717073	32342 1581768	68465	146731	341584	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	6473 316177	12932 680057	27665	62772	143837	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	18593 908941	39358 1995817	87001	191140	432824	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	72400 3309303	154875 6267874	311203	676076	1514424	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	+++++ 1430411	76815 3081041	154945	314713	708712	+++++ 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	+++++ 744814	30331 1566523	67049	151235	344282	+++++ 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	17078 804335	34380 1762024	76666	171062	384716	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	10076 409573	20215 868102	41402	88070	194974	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	+++++ 581004	31177 1242427	61817	122241	290866	+++++ 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	20758 828153	41942 1752138	87169	187108	402212	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	49063 2481468	105274 4655687	217662	485988	1096743	12.5 500	25.0 1000	50.0	100	250
Dibromochloromethane	CBZ	Ave	10792 569238	22074 1263304	49431	113562	264748	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	12249 518332	23756 1122720	50138	110866	245484	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	42431 1557602	80313 3312968	167677	349049	763767	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	+++++ 2586914	140736 5409882	282099	570468	1291703	+++++ 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 534155	23922 1150720	52830	112903	257982	+++++ 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	+++++ 1062044	67879 2260523	121967	240683	528081	+++++ 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	+++++ 1008186	53266 2134126	109089	222750	499650	+++++ 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	38681 1696446	80207 3619185	170464	367499	828519	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	+++++ 313181	10876 686826	25026	55780	137998	+++++ 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	64037 2522519	124234 5318870	261082	535169	1254869	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	14463 652609	29789 1331894	61825	134280	304673	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	16603 633842	32643 1333862	65095	140076	312758	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	4810 243306	9568 495231	21117	46053	107764	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	76094 2944747	152251 6065785	310292	640096	1476581	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	4704 210181	10276 423457	20092	44230	97048	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	15627 615123	31128 1324661	65347	132158	304282	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	54682 2097631	108596 4394506	221766	449110	1035029	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	16657 653052	33264 1407328	68018	140434	321428	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	11595 491696	23999 1039607	49787	102082	240831	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 2144944	116662 4503835	230243	473619	1060091	+++++ 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	67084 2711145	137571 5655525	281897	568709	1356003	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	58556 2362056	115711 4921781	245291	496483	1175624	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	31443 1217441	61455 2590896	130514	272116	603946	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	32397 1233558	62412 2621949	131353	274671	609631	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	50390 2062786	101059 4412288	211129	426923	1028521	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	29216 1161603	57214 2449542	119685	254749	567652	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	2158 129158	4674 260583	9214	21921	54286	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	15558 643711	31206 1357039	65915	137271	315040	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	7031 284735	14351 584857	29451	57053	141066	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	54652 2181164	99732 4363922	202680	426194	999334	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	15266 605549	28423 1255884	61724	124670	290267	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	182764 195734	186677 211009	196486	197581	186635	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	111948 115128	114015 126895	120193	119126	110788	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	744687 779485	745113 847913	776064	803565	740136	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	198813 209768	199682 229275	212133	221905	203781	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2488.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Nov-2015 03:55:30 ALS Bottle#: 7 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0048486-004
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:48 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:14:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	185808	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	364371	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	331566	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	93	182764	50.0	48.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	111948	50.0	49.2	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	744687	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	88	198813	50.0	49.0	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	98	18551	2.50	2.72	
12 Chloromethane	50	2.048	2.066	-0.018	99	14878	2.50	2.71	
13 Vinyl chloride	62	2.164	2.182	-0.018	62	12503	2.50	2.65	
151 Butadiene	54	2.170	2.188	-0.018	93	12417	2.50	2.58	
14 Bromomethane	94	2.444	2.462	-0.018	91	8307	2.50	2.70	
15 Chloroethane	64	2.529	2.535	-0.006	96	6613	2.50	2.59	
16 Dichlorofluoromethane	67	2.687	2.699	-0.012	96	18395	2.50	2.58	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	98	18896	2.50	2.62	
18 Ethyl ether	59	2.912	2.918	-0.006	94	12156	2.50	2.51	
20 Acrolein	56	3.076	3.076	0.000	99	13993	12.5	12.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	93	13978	2.50	2.68	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	13719	2.50	2.53	
23 Acetone	43	3.186	3.186	0.000	98	27057	12.5	13.6	
25 Iodomethane	142	3.283	3.289	-0.006	99	24592	2.50	2.56	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	44039	2.50	2.52	
27 Methyl acetate	43	3.405	3.405	0.000	97	68185	12.5	12.7	
28 3-Chloro-1-propene	41	3.399	3.405	-0.006	67	25267	2.50	2.55	
30 Methylene Chloride	84	3.508	3.514	-0.006	95	24493	2.50	3.66	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	94	18114	25.0	25.8	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	97	41198	2.50	2.45	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	15585	2.50	2.64	
33 Acrylonitrile	53	3.721	3.715	0.006	100	63856	25.0	26.6	
35 Hexane	57	3.831	3.837	-0.006	95	36289	2.50	3.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	48034	5.00	4.47	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	95	28072	2.50	2.64	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	63	19357	2.50	2.50	
43 2-Butanone (MEK)	43	4.488	4.476	0.012	96	35805	12.5	11.7	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	81	16291	2.50	2.57	
48 Chlorobromomethane	128	4.682	4.688	-0.006	94	7189	2.50	2.33	
49 Tetrahydrofuran	42	4.713	4.713	0.000	52	10060	5.00	4.65	
50 Chloroform	83	4.725	4.725	0.000	95	24900	2.50	2.55	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	48	19887	2.50	2.45	
52 Cyclohexane	56	4.895	4.889	0.006	90	26440	2.50	2.58	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	96	20377	2.50	2.57	
55 Carbon tetrachloride	117	4.987	4.993	-0.006	95	17023	2.50	2.42	
53 Isobutyl alcohol	43	5.060	5.047	0.013	93	15769	62.5	53.9	
57 Benzene	78	5.169	5.169	0.000	93	61604	2.50	2.63	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	95	19563	2.50	2.54	
59 n-Heptane	43	5.254	5.260	-0.006	94	30483	2.50	2.84	
62 Trichloroethene	95	5.686	5.686	0.000	96	15179	2.50	2.59	
64 Methylcyclohexane	83	5.826	5.820	0.006	90	25403	2.50	2.53	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	93	14146	2.50	2.50	
66 1,4-Dioxane	88	6.027	6.021	0.006	0	993	50.0	53.3	M
67 Dibromomethane	93	6.039	6.039	0.000	93	8073	2.50	2.46	
68 Dichlorobromomethane	83	6.149	6.148	0.001	98	15522	2.50	2.29	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	6473	2.50	2.27	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	92	18593	2.50	2.18	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	72400	12.5	12.0	
74 Toluene	92	6.818	6.818	0.000	99	40895	2.50	2.83	
75 Ethyl methacrylate	69	7.043	7.043	0.000	74	13834	2.50	2.04	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	95	17078	2.50	2.28	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	91	10076	2.50	2.53	
81 Tetrachloroethene	166	7.341	7.341	0.000	94	17767	2.50	3.06	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	97	20758	2.50	2.52	
80 2-Hexanone	43	7.426	7.420	0.006	95	49063	12.5	11.4	
83 Chlorodibromomethane	129	7.651	7.645	0.006	89	10792	2.50	2.15	
84 Ethylene Dibromide	107	7.773	7.773	0.000	96	12249	2.50	2.48	
87 Chlorobenzene	112	8.229	8.223	0.006	96	42431	2.50	2.69	
88 Ethylbenzene	91	8.290	8.290	0.000	98	77870	2.50	2.98	
89 1,1,1,2-Tetrachloroethane	131	8.296	8.302	-0.006	90	11089	2.50	2.18	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	43306	2.50	3.85	
91 o-Xylene	106	8.837	8.837	0.000	95	29562	2.50	2.92	
92 Styrene	104	8.856	8.856	0.000	95	38681	2.50	2.37	
95 Bromoform	173	9.129	9.136	-0.007	86	5226	2.50	1.96	
94 Isopropylbenzene	105	9.209	9.202	0.007	95	64037	2.50	2.61	
97 1,1,2,2-Tetrachloroethane	83	9.586	9.580	0.006	95	14463	2.50	2.42	
101 Bromobenzene	156	9.592	9.592	0.000	91	16603	2.50	2.65	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	58	4810	2.50	2.31	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	76094	2.50	2.62	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	82	4704	2.50	2.41	
103 2-Chlorotoluene	126	9.762	9.756	0.006	97	15627	2.50	2.58	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	54682	2.50	2.64	
105 4-Chlorotoluene	126	9.860	9.859	0.001	97	16657	2.50	2.59	
106 tert-Butylbenzene	134	10.109	10.115	-0.006	93	11595	2.50	2.47	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	65196	2.50	3.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	67084	2.50	2.55	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	58556	2.50	2.56	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	96	31443	2.50	2.60	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	94	32397	2.50	2.64	
115 n-Butylbenzene	91	10.821	10.815	0.006	98	50390	2.50	2.53	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	29216	2.50	2.58	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.587	-0.006	70	2158	2.50	2.12	
119 1,2,4-Trichlorobenzene	180	12.220	12.226	-0.006	95	15558	2.50	2.52	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	89	7031	2.50	2.57	
121 Naphthalene	128	12.451	12.451	0.000	96	54652	2.50	2.73	
122 1,2,3-Trichlorobenzene	180	12.664	12.658	0.006	95	15266	2.50	2.65	
S 125 1,2-Dichloroethene, Total	1				0			5.20	
S 126 1,3-Dichloropropene, Total	1				0			4.47	
S 123 Total BTEX	1				0			15.2	
S 124 Xylenes, Total	1				0			6.77	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added:	2.50	Units: uL	
GAS CORP mix_00121	Amount Added:	2.50	Units: uL	
F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added:	1.00	Units: uL	Run Reagent

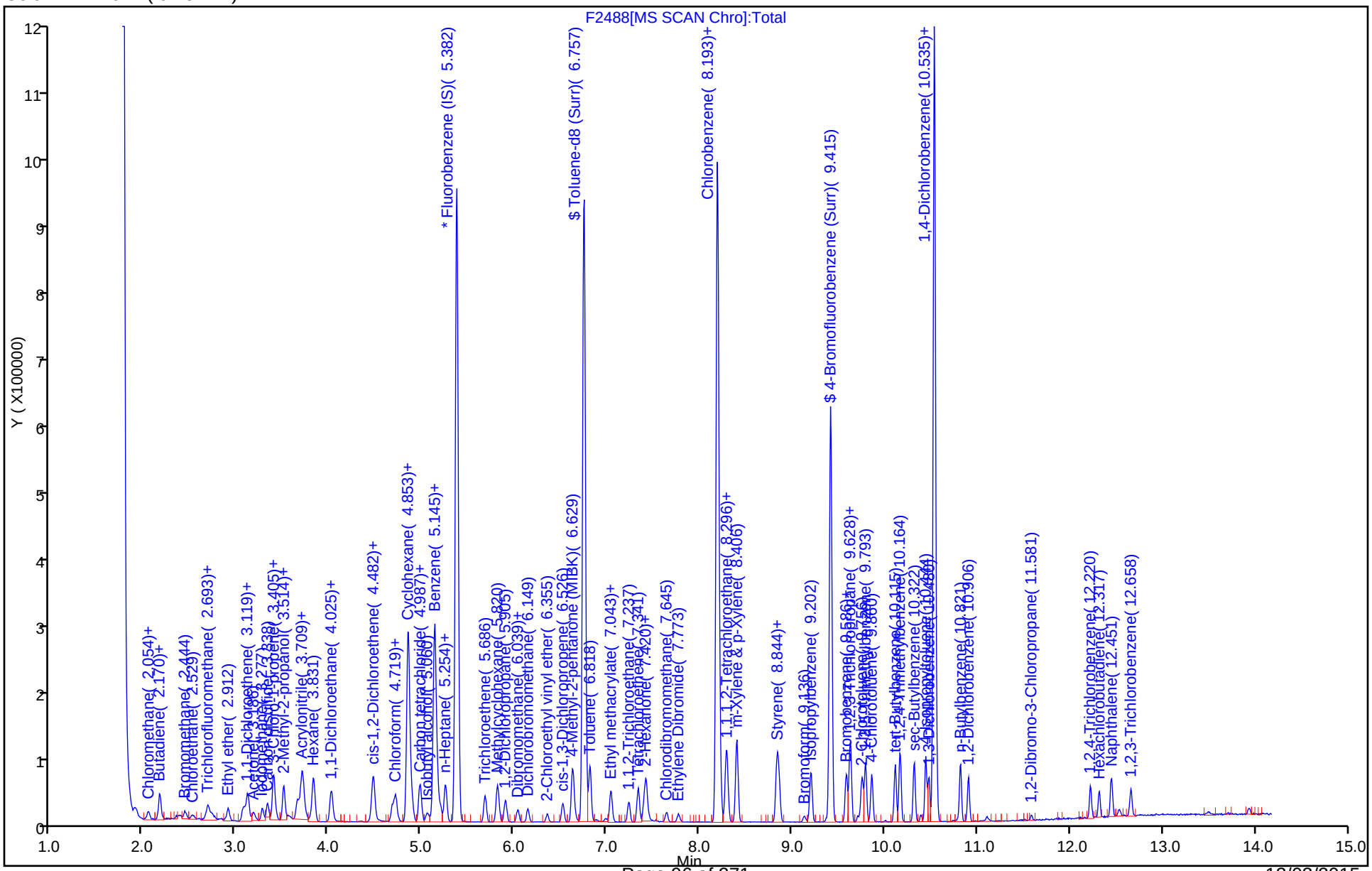
Report Date: 19-Nov-2015 13:22:50 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2488.D

Injection Date:	19-Nov-2015 03:55:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

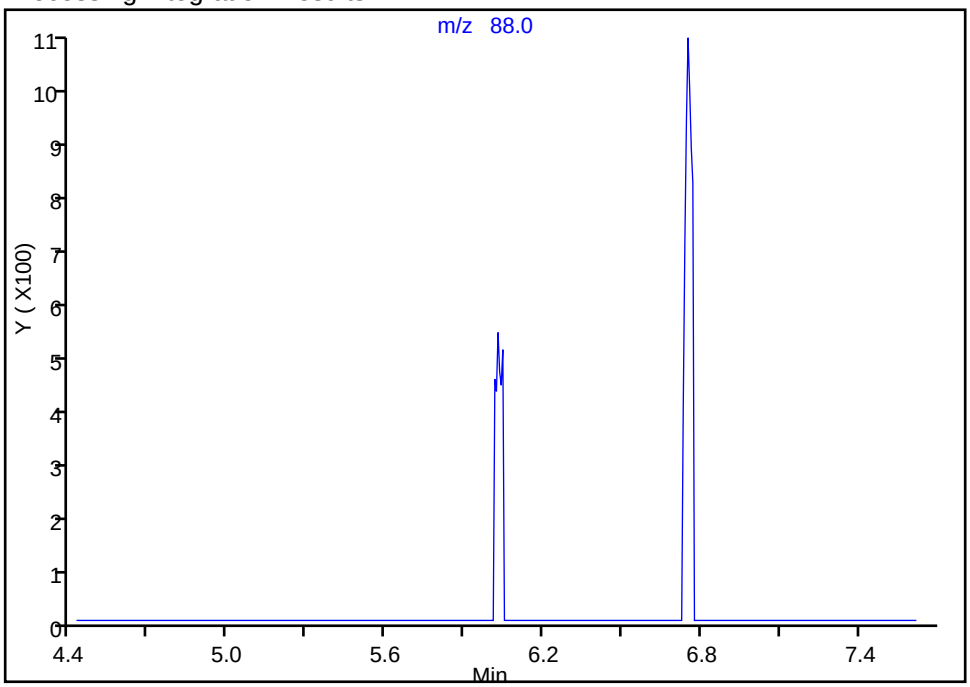
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2488.D
Injection Date: 19-Nov-2015 03:55:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

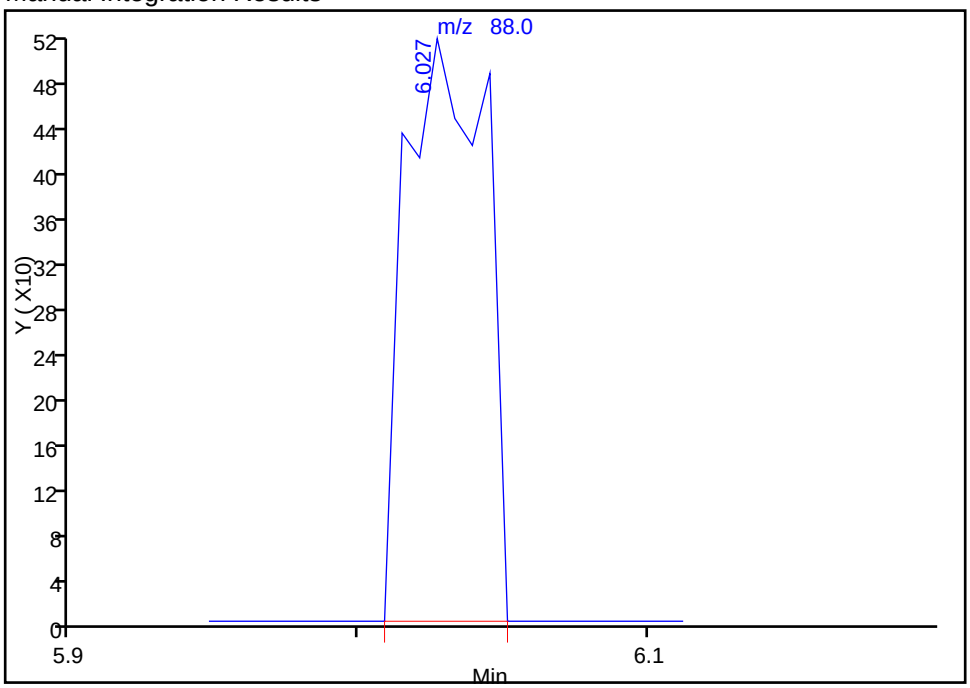
Not Detected
Expected RT: 6.02

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 993
Amount: 53.264409
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:30:45
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2489.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Nov-2015 04:21:30 ALS Bottle#: 8 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0048486-005
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:51 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:15:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	185260	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.199	8.193	0.006	85	361253	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.541	10.535	0.006	95	328753	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	93	186677	50.0	49.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.145	0.000	0	114015	50.0	50.2	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	745113	50.0	50.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	88	199682	50.0	49.6	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	99	36428	5.00	5.35	
12 Chloromethane	50	2.060	2.066	-0.006	99	29325	5.00	5.36	
13 Vinyl chloride	62	2.170	2.182	-0.012	97	24829	5.00	5.28	
151 Butadiene	54	2.176	2.188	-0.012	92	26223	5.00	5.46	
14 Bromomethane	94	2.456	2.462	-0.006	93	16557	5.00	5.41	
15 Chloroethane	64	2.535	2.535	0.000	96	13649	5.00	5.36	
16 Dichlorofluoromethane	67	2.693	2.699	-0.006	98	39212	5.00	5.51	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	99	39961	5.00	5.56	
18 Ethyl ether	59	2.918	2.918	0.000	95	24929	5.00	5.16	
20 Acrolein	56	3.070	3.076	-0.006	98	30251	25.0	26.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	94	27144	5.00	5.21	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	28649	5.00	5.30	
23 Acetone	43	3.186	3.186	0.000	99	52997	25.0	26.8	
25 Iodomethane	142	3.283	3.289	-0.006	98	49712	5.00	5.19	
26 Carbon disulfide	76	3.344	3.344	0.000	99	87297	5.00	5.01	
27 Methyl acetate	43	3.405	3.405	0.000	98	138350	25.0	25.8	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	66	50650	5.00	5.12	
30 Methylene Chloride	84	3.514	3.514	0.000	96	42608	5.00	6.38	
31 2-Methyl-2-propanol	59	3.575	3.569	0.006	94	35169	50.0	50.3	
32 Methyl tert-butyl ether	73	3.667	3.666	0.001	96	84631	5.00	5.04	
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	99	31114	5.00	5.28	
33 Acrylonitrile	53	3.721	3.715	0.006	98	119656	50.0	50.0	
35 Hexane	57	3.837	3.837	0.000	93	61904	5.00	5.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	104789	10.0	9.77	
39 1,1-Dichloroethane	63	4.032	4.031	0.001	96	55130	5.00	5.20	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	66	38710	5.00	5.02	
43 2-Butanone (MEK)	43	4.482	4.476	0.006	99	72553	25.0	23.9	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	32614	5.00	5.16	
48 Chlorobromomethane	128	4.689	4.688	0.001	96	15379	5.00	5.01	
49 Tetrahydrofuran	42	4.719	4.713	0.006	57	20882	10.0	9.68	
50 Chloroform	83	4.719	4.725	-0.006	95	50066	5.00	5.14	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	49	41558	5.00	5.13	
52 Cyclohexane	56	4.889	4.889	0.000	92	54168	5.00	5.30	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	94	40110	5.00	5.08	
55 Carbon tetrachloride	117	4.993	4.993	0.000	94	35140	5.00	5.01	
53 Isobutyl alcohol	43	5.060	5.047	0.013	94	34060	125.0	116.8	M
57 Benzene	78	5.169	5.169	0.000	96	122655	5.00	5.25	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	95	39605	5.00	5.16	
59 n-Heptane	43	5.260	5.260	0.000	96	58685	5.00	5.48	
62 Trichloroethene	95	5.686	5.686	0.000	97	29874	5.00	5.11	
64 Methylcyclohexane	83	5.820	5.820	0.000	94	50218	5.00	5.01	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	94	28481	5.00	5.06	
66 1,4-Dioxane	88	6.021	6.021	0.000	32	3056	100.0	90.7	
67 Dibromomethane	93	6.039	6.039	0.000	97	16331	5.00	4.99	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	32342	5.00	4.79	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	12932	5.00	4.55	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	94	39358	5.00	4.64	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	154875	25.0	25.8	
74 Toluene	92	6.824	6.818	0.006	98	76815	5.00	5.36	
75 Ethyl methacrylate	69	7.043	7.043	0.000	75	30331	5.00	4.52	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	92	34380	5.00	4.64	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	90	20215	5.00	5.12	
81 Tetrachloroethene	166	7.341	7.341	0.000	95	31177	5.00	5.41	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	41942	5.00	5.13	
80 2-Hexanone	43	7.420	7.420	0.000	98	105274	25.0	24.6	
83 Chlorodibromomethane	129	7.645	7.645	0.000	88	22074	5.00	4.43	
84 Ethylene Dibromide	107	7.779	7.773	0.006	99	23756	5.00	4.85	
87 Chlorobenzene	112	8.229	8.223	0.006	97	80313	5.00	5.13	
88 Ethylbenzene	91	8.290	8.290	0.000	98	140736	5.00	5.43	
89 1,1,1,2-Tetrachloroethane	131	8.308	8.302	0.006	95	23922	5.00	4.73	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	67879	5.00	6.09	
91 o-Xylene	106	8.838	8.837	0.001	96	53266	5.00	5.30	
92 Styrene	104	8.862	8.856	0.006	96	80207	5.00	4.96	
95 Bromoform	173	9.136	9.136	0.000	95	10876	5.00	4.11	
94 Isopropylbenzene	105	9.203	9.202	0.001	95	124234	5.00	5.10	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	94	29789	5.00	5.03	
101 Bromobenzene	156	9.592	9.592	0.000	92	32643	5.00	5.26	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.628	-0.006	60	9568	5.00	4.64	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	152251	5.00	5.28	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	85	10276	5.00	5.32	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	31128	5.00	5.18	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	108596	5.00	5.29	
105 4-Chlorotoluene	126	9.860	9.859	0.001	97	33264	5.00	5.23	
106 tert-Butylbenzene	134	10.109	10.115	-0.006	92	23999	5.00	5.16	
107 1,2,4-Trimethylbenzene	105	10.170	10.164	0.006	96	116662	5.00	5.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	137571	5.00	5.26	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	115711	5.00	5.11	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	61455	5.00	5.13	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	62412	5.00	5.14	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	101059	5.00	5.12	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	57214	5.00	5.10	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	82	4674	5.00	4.64	
119 1,2,4-Trichlorobenzene	180	12.220	12.226	-0.006	94	31206	5.00	5.09	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	93	14351	5.00	5.29	
121 Naphthalene	128	12.445	12.451	-0.006	97	99732	5.00	5.02	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	28423	5.00	4.97	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.27	
S 123 Total BTEX	1				0			27.4	
S 124 Xylenes, Total	1				0			11.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added:	5.00	Units: uL	
GAS CORP mix_00121	Amount Added:	5.00	Units: uL	
F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added:	1.00	Units: uL	Run Reagent

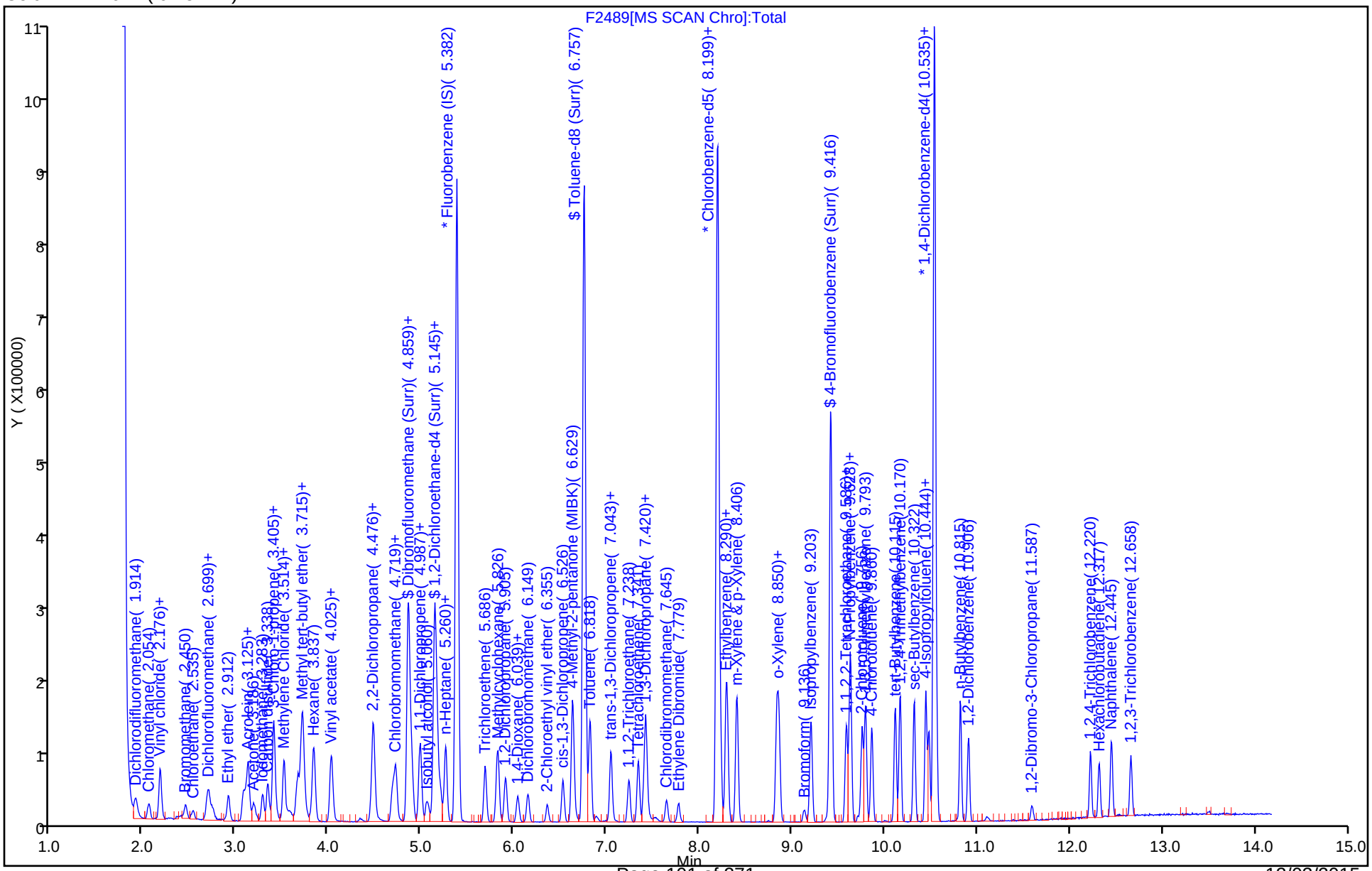
Report Date: 19-Nov-2015 13:22:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2489.D

Injection Date:	19-Nov-2015 04:21:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



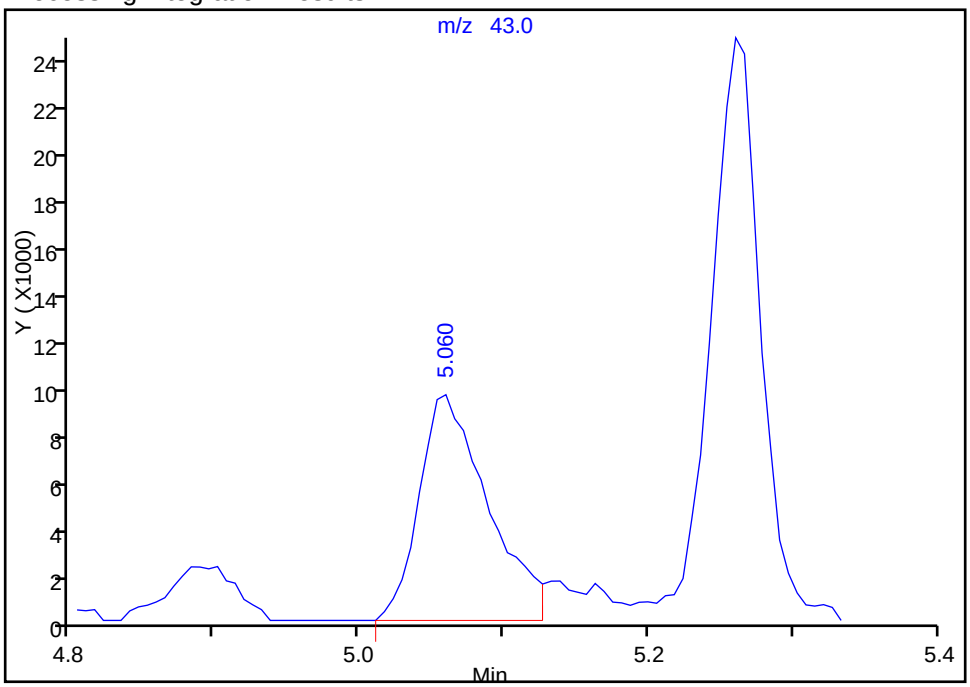
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2489.D
Injection Date: 19-Nov-2015 04:21:30 Instrument ID: HP5973F
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

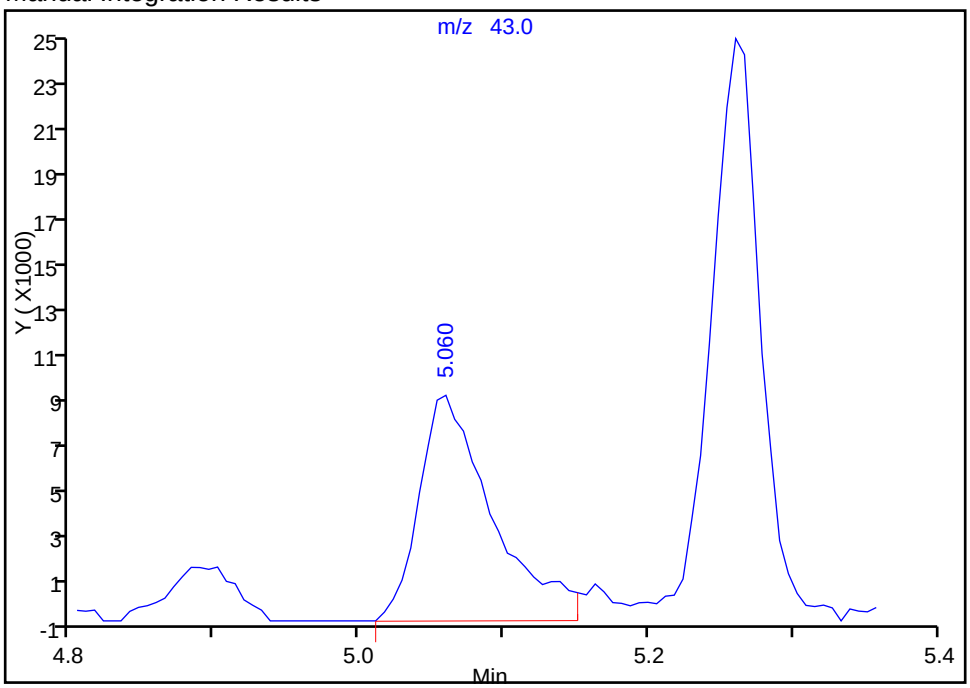
Processing Integration Results

RT: 5.06
Area: 31915
Amount: 110.7953
Amount Units: ug/kg



Manual Integration Results

RT: 5.06
Area: 34060
Amount: 116.7583
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:32:29
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2490.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Nov-2015 04:47:30 ALS Bottle#: 9 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0048486-006
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:55 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:25:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	188233	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.199	8.193	0.006	85	376698	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	346386	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	93	196486	50.0	51.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	120193	50.0	52.1	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	776064	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	212133	50.0	50.6	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	100	72151	10.0	10.4	
12 Chloromethane	50	2.054	2.066	-0.012	99	59431	10.0	10.7	
13 Vinyl chloride	62	2.170	2.182	-0.012	96	49786	10.0	10.4	
151 Butadiene	54	2.176	2.188	-0.012	94	50309	10.0	10.3	
14 Bromomethane	94	2.456	2.462	-0.006	92	32281	10.0	10.4	
15 Chloroethane	64	2.529	2.535	-0.006	99	26411	10.0	10.2	
16 Dichlorofluoromethane	67	2.687	2.699	-0.012	99	76249	10.0	10.5	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	99	76603	10.0	10.5	
18 Ethyl ether	59	2.912	2.918	-0.006	93	51491	10.0	10.5	
20 Acrolein	56	3.070	3.076	-0.006	99	59840	50.0	50.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	93	55429	10.0	10.5	
22 1,1-Dichloroethene	96	3.125	3.131	-0.006	98	57782	10.0	10.5	
23 Acetone	43	3.186	3.186	0.000	100	91835	50.0	45.6	
25 Iodomethane	142	3.277	3.289	-0.012	99	101167	10.0	10.4	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	176724	10.0	9.97	
27 Methyl acetate	43	3.399	3.405	-0.006	98	281281	50.0	51.7	
28 3-Chloro-1-propene	41	3.399	3.405	-0.006	65	105419	10.0	10.5	
30 Methylene Chloride	84	3.508	3.514	-0.006	95	74529	10.0	11.0	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	99	65297	100.0	91.9	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	96	176649	10.0	10.4	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	63040	10.0	10.5	
33 Acrylonitrile	53	3.715	3.715	0.000	99	239459	100.0	98.5	
35 Hexane	57	3.837	3.837	0.000	95	114462	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.019	-0.006	97	222660	20.0	20.4	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	96	112569	10.0	10.4	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	92	80052	10.0	10.2	
43 2-Butanone (MEK)	43	4.476	4.476	0.000	100	153171	50.0	49.6	
45 cis-1,2-Dichloroethene	96	4.476	4.482	-0.006	81	67625	10.0	10.5	
48 Chlorobromomethane	128	4.688	4.688	0.000	92	32481	10.0	10.4	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	63	43437	20.0	19.8	
50 Chloroform	83	4.719	4.725	-0.006	95	103650	10.0	10.5	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	97	84876	10.0	10.3	
52 Cyclohexane	56	4.889	4.889	0.000	92	108232	10.0	10.4	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	95	83306	10.0	10.4	
55 Carbon tetrachloride	117	4.987	4.993	-0.006	95	71482	10.0	10.0	
53 Isobutyl alcohol	43	5.053	5.047	0.006	94	68109	250.0	229.8	
57 Benzene	78	5.169	5.169	0.000	97	247592	10.0	10.4	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	96	80811	10.0	10.4	
59 n-Heptane	43	5.260	5.260	0.000	95	112600	10.0	10.4	
62 Trichloroethene	95	5.686	5.686	0.000	97	60324	10.0	10.2	
64 Methylcyclohexane	83	5.826	5.820	0.006	91	106349	10.0	10.4	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	93	58104	10.0	10.2	
66 1,4-Dioxane	88	6.027	6.021	0.006	90	8440	200.0	181.6	
67 Dibromomethane	93	6.039	6.039	0.000	96	33853	10.0	10.2	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	68465	10.0	9.97	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	93	27665	10.0	9.58	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	94	87001	10.0	10.1	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	311203	50.0	49.8	
74 Toluene	92	6.818	6.818	0.000	98	154945	10.0	10.4	
75 Ethyl methacrylate	69	7.043	7.043	0.000	87	67049	10.0	9.58	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	76666	10.0	9.91	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	91	41402	10.0	10.1	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	61817	10.0	10.3	
82 1,3-Dichloropropane	76	7.408	7.402	0.006	97	87169	10.0	10.2	
80 2-Hexanone	43	7.420	7.420	0.000	97	217662	50.0	48.8	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	49431	10.0	9.51	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	50138	10.0	9.82	
87 Chlorobenzene	112	8.229	8.223	0.006	96	167677	10.0	10.3	
88 Ethylbenzene	91	8.290	8.290	0.000	98	282099	10.0	10.4	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	94	52830	10.0	10.0	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	121967	10.0	10.5	
91 o-Xylene	106	8.837	8.837	0.000	95	109089	10.0	10.4	
92 Styrene	104	8.862	8.856	0.006	95	170464	10.0	10.1	
95 Bromoform	173	9.136	9.136	0.000	95	25026	10.0	9.07	
94 Isopropylbenzene	105	9.202	9.202	0.000	96	261082	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	9.586	9.580	0.006	96	61825	10.0	9.91	
101 Bromobenzene	156	9.592	9.592	0.000	93	65095	10.0	9.95	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	64	21117	10.0	9.72	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	310292	10.0	10.2	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	87	20092	10.0	9.87	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	65347	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	221766	10.0	10.3	
105 4-Chlorotoluene	126	9.859	9.859	0.000	97	68018	10.0	10.1	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	49787	10.0	10.2	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	230243	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	281897	10.0	10.2	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	245291	10.0	10.3	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	130514	10.0	10.3	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	131353	10.0	10.3	
115 n-Butylbenzene	91	10.821	10.815	0.006	98	211129	10.0	10.2	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	119685	10.0	10.1	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.587	-0.006	86	9214	10.0	8.68	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	65915	10.0	10.2	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	29451	10.0	10.3	
121 Naphthalene	128	12.451	12.451	0.000	97	202680	10.0	9.69	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	61724	10.0	10.2	
S 125 1,2-Dichloroethene, Total	1				0			21.1	
S 126 1,3-Dichloropropene, Total	1				0			20.0	
S 123 Total BTEX	1				0			52.2	
S 124 Xylenes, Total	1				0			20.9	

Reagents:

8260 CORP mix_00059	Amount Added: 10.00	Units: uL	
GAS CORP mix_00121	Amount Added: 10.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent

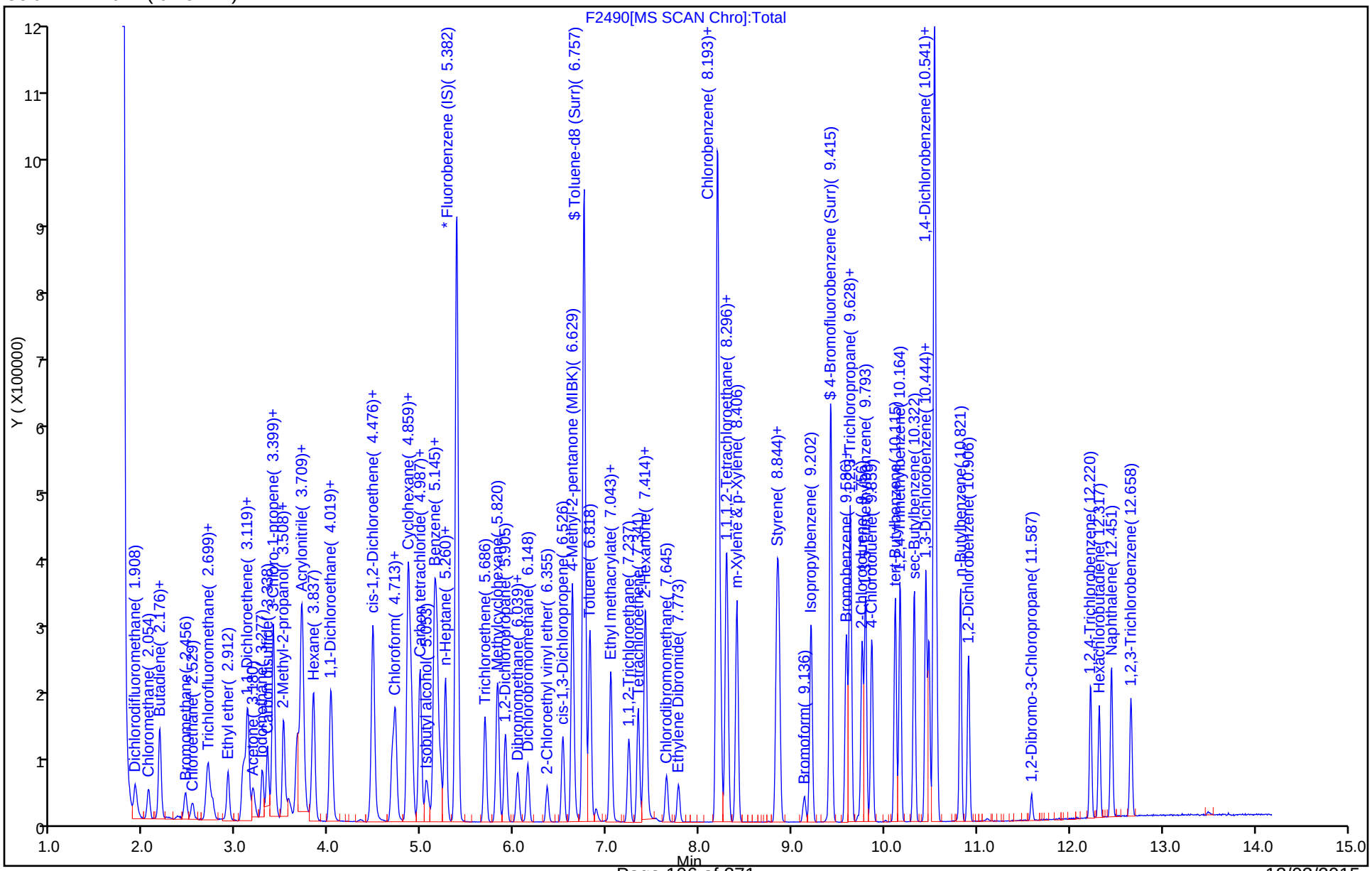
Report Date: 19-Nov-2015 13:22:56 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2490.D

Injection Date:	19-Nov-2015 04:47:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2491.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Nov-2015 05:13:30 ALS Bottle#: 10 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0048486-007
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:59 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:35:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.382	-0.006	99	192696	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.192	8.193	-0.001	89	384518	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	354516	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	92	197581	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	119126	50.0	50.5	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	803565	50.0	50.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	221905	50.0	51.8	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	99	134220	20.0	18.9	
12 Chloromethane	50	2.054	2.066	-0.012	99	111651	20.0	19.6	
13 Vinyl chloride	62	2.176	2.182	-0.006	98	93158	20.0	19.0	
151 Butadiene	54	2.176	2.188	-0.012	93	93542	20.0	18.7	
14 Bromomethane	94	2.456	2.462	-0.006	90	63609	20.0	20.0	
15 Chloroethane	64	2.529	2.535	-0.006	99	51836	20.0	19.6	
16 Dichlorofluoromethane	67	2.693	2.699	-0.006	97	142789	20.0	19.3	
17 Trichlorofluoromethane	101	2.705	2.717	-0.012	98	138389	20.0	18.5	
18 Ethyl ether	59	2.912	2.918	-0.006	93	101942	20.0	20.3	
20 Acrolein	56	3.070	3.076	-0.006	98	122940	100.0	101.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.107	-0.006	93	100547	20.0	18.6	
22 1,1-Dichloroethene	96	3.125	3.131	-0.006	99	107976	20.0	19.2	
23 Acetone	43	3.180	3.186	-0.006	99	208366	100.0	101.1	
25 Iodomethane	142	3.283	3.289	-0.006	99	202399	20.0	20.3	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	346318	20.0	19.1	
27 Methyl acetate	43	3.399	3.405	-0.006	98	569192	100.0	102.2	
28 3-Chloro-1-propene	41	3.399	3.405	-0.006	95	210047	20.0	20.4	
30 Methylene Chloride	84	3.508	3.514	-0.006	95	142108	20.0	20.5	
31 2-Methyl-2-propanol	59	3.563	3.569	-0.006	100	140227	200.0	192.8	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	96	368583	20.0	21.1	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	122205	20.0	19.9	
33 Acrylonitrile	53	3.715	3.715	0.000	99	512683	200.0	205.9	
35 Hexane	57	3.831	3.837	-0.006	94	211734	20.0	19.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.019	-0.006	97	480842	40.0	43.1	
39 1,1-Dichloroethane	63	4.025	4.031	-0.006	97	225363	20.0	20.4	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	90	157921	20.0	19.7	
43 2-Butanone (MEK)	43	4.469	4.476	-0.007	99	326412	100.0	103.3	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	135402	20.0	20.6	
48 Chlorobromomethane	128	4.682	4.688	-0.006	96	68812	20.0	21.5	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	92	91934	40.0	41.0	
50 Chloroform	83	4.719	4.725	-0.006	95	208806	20.0	20.6	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	97	165030	20.0	19.6	
52 Cyclohexane	56	4.889	4.889	0.000	92	199848	20.0	18.8	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	95	160225	20.0	19.5	
55 Carbon tetrachloride	117	4.993	4.993	0.000	97	140437	20.0	19.2	
53 Isobutyl alcohol	43	5.047	5.047	0.000	95	149205	500.0	491.7	M
57 Benzene	78	5.163	5.169	-0.006	97	496987	20.0	20.5	
58 1,2-Dichloroethane	62	5.199	5.206	-0.007	96	169636	20.0	21.2	
59 n-Heptane	43	5.260	5.260	0.000	95	212475	20.0	19.1	
62 Trichloroethene	95	5.686	5.686	0.000	97	122922	20.0	20.2	
64 Methylcyclohexane	83	5.820	5.820	0.000	90	200252	20.0	19.2	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	94	122851	20.0	21.0	
66 1,4-Dioxane	88	6.021	6.021	0.000	28	23700	400.0	437.5	
67 Dibromomethane	93	6.033	6.039	-0.006	97	71786	20.0	21.1	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	146731	20.0	20.9	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	93	62772	20.0	21.2	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	191140	20.0	21.6	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	676076	100.0	106.0	
74 Toluene	92	6.818	6.818	0.000	98	314713	20.0	20.6	
75 Ethyl methacrylate	69	7.043	7.043	0.000	78	151235	20.0	21.2	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	171062	20.0	21.7	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	92	88070	20.0	20.9	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	122241	20.0	19.9	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	98	187108	20.0	21.5	
80 2-Hexanone	43	7.420	7.420	0.000	97	485988	100.0	106.8	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	113562	20.0	21.4	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	110866	20.0	21.3	
87 Chlorobenzene	112	8.223	8.223	0.000	96	349049	20.0	20.9	
88 Ethylbenzene	91	8.290	8.290	0.000	98	570468	20.0	20.7	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	95	112903	20.0	21.0	
90 m-Xylene & p-Xylene	106	8.405	8.405	0.000	99	240683	20.0	20.3	
91 o-Xylene	106	8.837	8.837	0.000	96	222750	20.0	20.8	
92 Styrene	104	8.856	8.856	0.000	95	367499	20.0	21.4	
95 Bromoform	173	9.129	9.136	-0.007	96	55780	20.0	19.8	
94 Isopropylbenzene	105	9.202	9.202	0.000	95	535169	20.0	20.4	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	95	134280	20.0	21.0	
101 Bromobenzene	156	9.586	9.592	-0.006	93	140076	20.0	20.9	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.628	-0.006	60	46053	20.0	20.7	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	640096	20.0	20.6	
100 1,2,3-Trichloropropane	110	9.640	9.634	0.006	83	44230	20.0	21.2	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	132158	20.0	20.4	
102 1,3,5-Trimethylbenzene	105	9.792	9.793	-0.001	94	449110	20.0	20.3	
105 4-Chlorotoluene	126	9.865	9.859	0.006	97	140434	20.0	20.5	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	102082	20.0	20.4	
107 1,2,4-Trimethylbenzene	105	10.170	10.164	0.006	96	473619	20.0	20.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	568709	20.0	20.2	
110 4-Isopropyltoluene	119	10.443	10.443	0.000	97	496483	20.0	20.3	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	272116	20.0	21.1	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	274671	20.0	21.0	
115 n-Butylbenzene	91	10.821	10.815	0.006	97	426923	20.0	20.1	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	254749	20.0	21.1	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	84	21921	20.0	20.2	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	137271	20.0	20.8	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	57053	20.0	19.5	
121 Naphthalene	128	12.451	12.451	0.000	97	426194	20.0	19.9	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	124670	20.0	20.2	
S 125 1,2-Dichloroethene, Total	1				0			40.5	
S 126 1,3-Dichloropropene, Total	1				0			43.3	
S 123 Total BTEX	1				0			102.9	
S 124 Xylenes, Total	1				0			41.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added: 10.00	Units: uL		
GAS CORP mix_00121	Amount Added: 10.00	Units: uL		
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent	
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent	

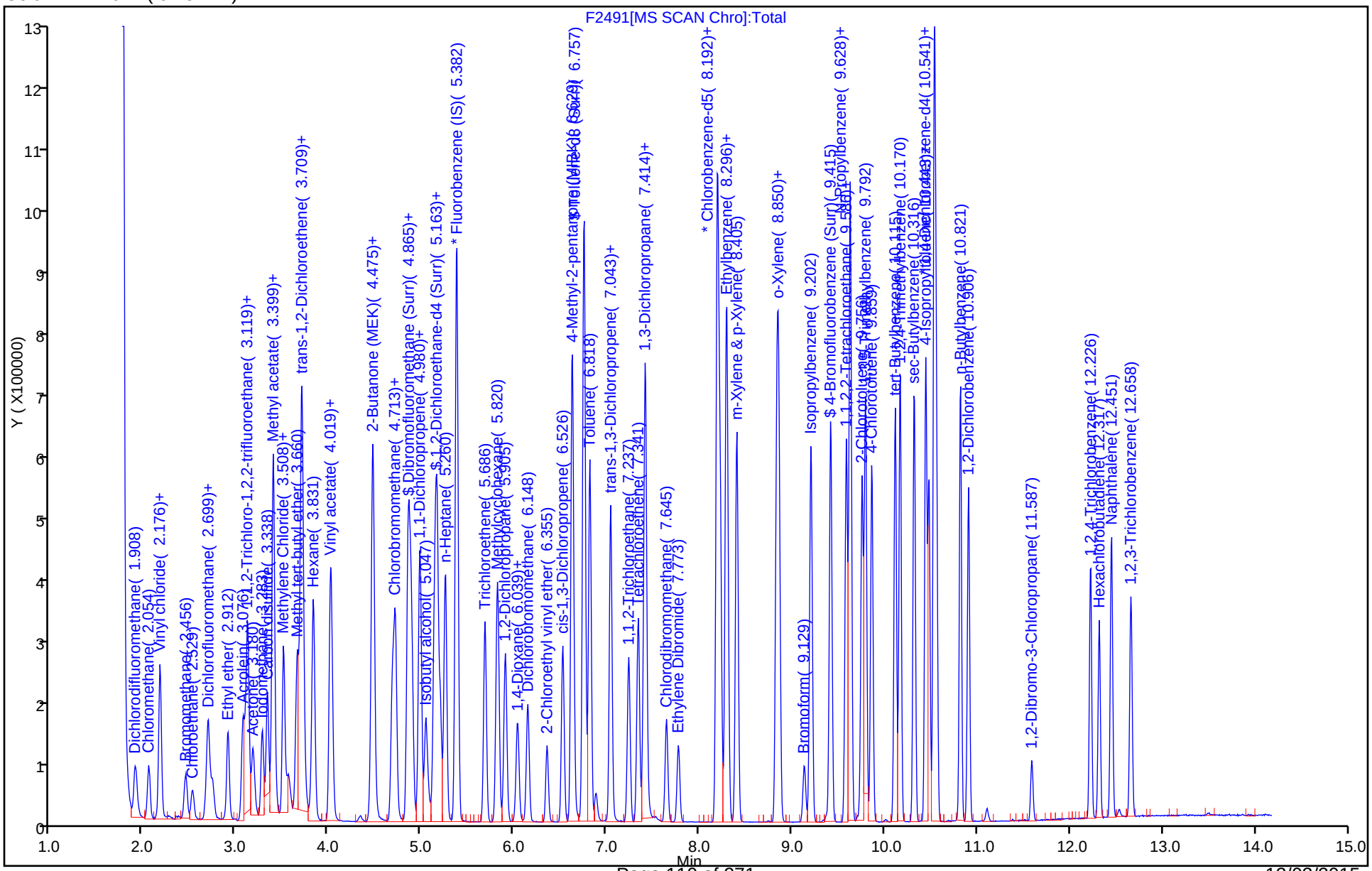
Report Date: 19-Nov-2015 13:23:00 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2491.D

Injection Date:	19-Nov-2015 05:13:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



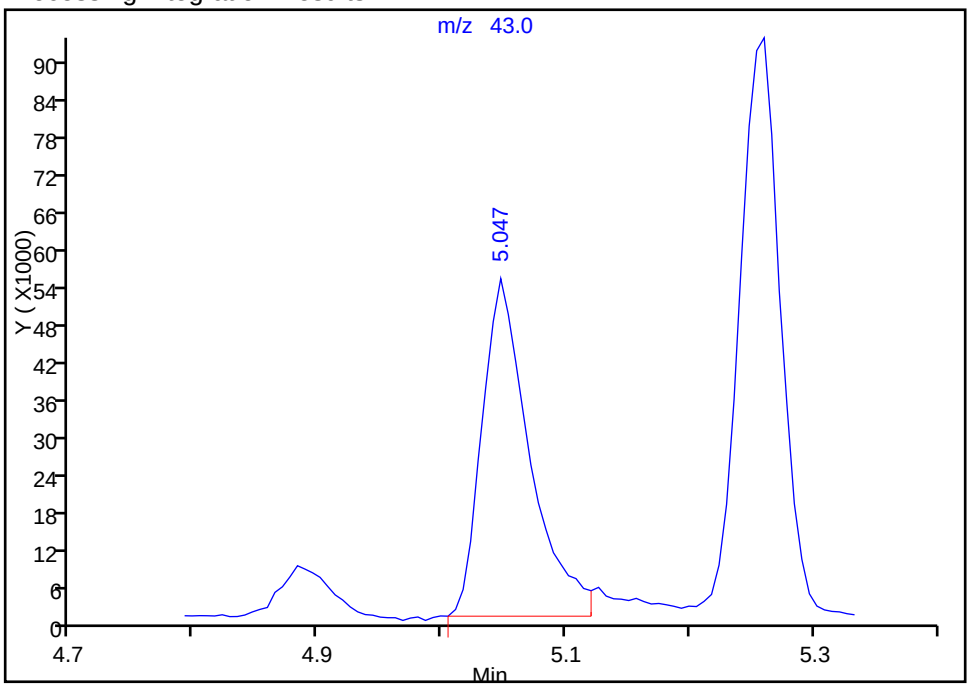
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2491.D
Injection Date: 19-Nov-2015 05:13:30 Instrument ID: HP5973F
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

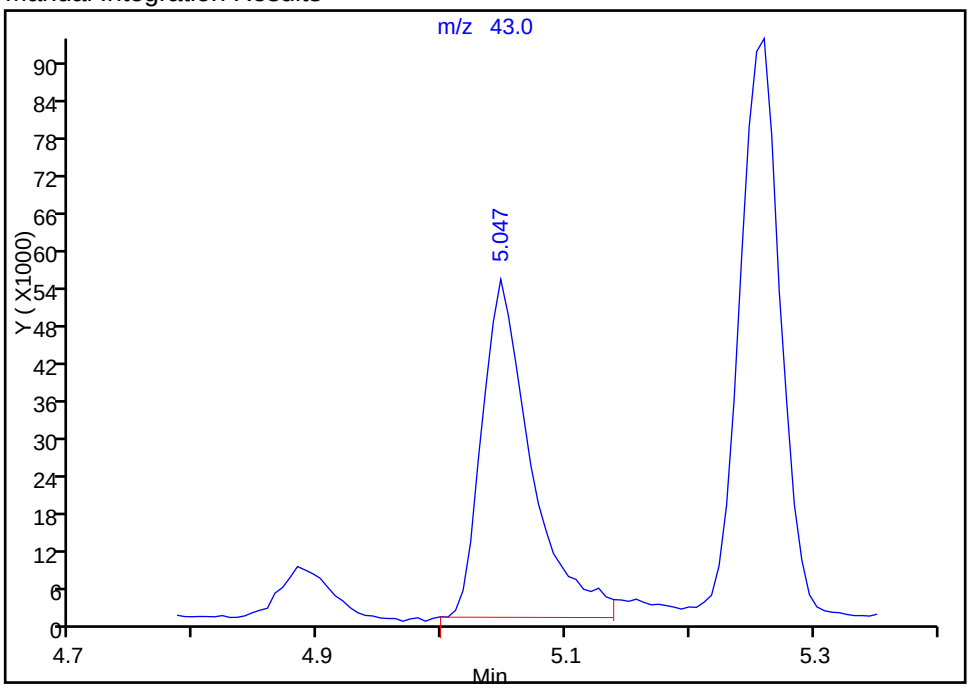
Processing Integration Results

RT: 5.05
Area: 144805
Amount: 479.2241
Amount Units: ug/kg



Manual Integration Results

RT: 5.05
Area: 149205
Amount: 491.7398
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:35:01
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2492.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 19-Nov-2015 05:38:30 ALS Bottle#: 11 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0048486-008
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:23:03 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:10:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	186371	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	370959	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	94	345689	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	93	186635	50.0	49.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.145	0.000	0	110788	50.0	48.5	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	92	740136	50.0	48.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	203781	50.0	49.3	
10 Dichlorodifluoromethane	85	1.920	1.920	0.000	99	332133	50.0	48.5	
12 Chloromethane	50	2.066	2.066	0.000	100	257676	50.0	46.8	
13 Vinyl chloride	62	2.182	2.182	0.000	98	226007	50.0	47.8	
151 Butadiene	54	2.188	2.188	0.000	93	233123	50.0	48.3	
14 Bromomethane	94	2.462	2.462	0.000	91	144985	50.0	47.1	
15 Chloroethane	64	2.535	2.535	0.000	99	124466	50.0	48.5	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	99	344945	50.0	48.2	
17 Trichlorofluoromethane	101	2.717	2.717	0.000	99	353736	50.0	48.9	
18 Ethyl ether	59	2.918	2.918	0.000	94	238157	50.0	49.0	
20 Acrolein	56	3.076	3.076	0.000	100	291591	250.0	249.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	94	263247	50.0	50.3	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	270809	50.0	49.8	
23 Acetone	43	3.186	3.186	0.000	99	477946	250.0	239.8	
25 Iodomethane	142	3.289	3.289	0.000	99	469021	50.0	48.7	
26 Carbon disulfide	76	3.344	3.344	0.000	99	883762	50.0	50.4	
27 Methyl acetate	43	3.405	3.405	0.000	98	1298195	250.0	241.1	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	94	489891	50.0	49.2	
30 Methylene Chloride	84	3.514	3.514	0.000	96	296702	50.0	44.2	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	100	355272	500.0	505.0	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	96	825451	50.0	48.9	
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	99	288207	50.0	48.6	
33 Acrylonitrile	53	3.715	3.715	0.000	99	1158680	500.0	481.2	
35 Hexane	57	3.837	3.837	0.000	94	516750	50.0	48.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	1089698	100.0	101.0	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	96	513717	50.0	48.2	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	88	390427	50.0	50.4	
43 2-Butanone (MEK)	43	4.476	4.476	0.000	100	766796	250.0	250.8	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	308013	50.0	48.4	
48 Chlorobromomethane	128	4.688	4.688	0.000	97	152349	50.0	49.3	
49 Tetrahydrofuran	42	4.713	4.713	0.000	90	213995	100.0	98.6	
50 Chloroform	83	4.725	4.725	0.000	95	472684	50.0	48.3	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	98	410233	50.0	50.3	
52 Cyclohexane	56	4.889	4.889	0.000	92	511476	50.0	49.7	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	94	394276	50.0	49.6	
55 Carbon tetrachloride	117	4.993	4.993	0.000	97	363443	50.0	51.5	
53 Isobutyl alcohol	43	5.047	5.047	0.000	95	388290	1250.0	1323.1	
57 Benzene	78	5.169	5.169	0.000	97	1126661	50.0	48.0	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	96	369588	50.0	47.8	
59 n-Heptane	43	5.260	5.260	0.000	95	528804	50.0	49.1	
62 Trichloroethene	95	5.686	5.686	0.000	97	286593	50.0	48.8	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	508800	50.0	50.4	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	276764	50.0	48.9	
66 1,4-Dioxane	88	6.021	6.021	0.000	94	54783	1000.0	998.8	
67 Dibromomethane	93	6.039	6.039	0.000	97	159072	50.0	48.3	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	341584	50.0	50.2	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	143837	50.0	50.3	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	432824	50.0	50.7	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	1514424	250.0	246.1	
74 Toluene	92	6.818	6.818	0.000	98	708712	50.0	48.2	
75 Ethyl methacrylate	69	7.043	7.043	0.000	78	344282	50.0	50.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	384716	50.0	50.5	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	91	194974	50.0	48.1	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	290866	50.0	49.2	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	95	402212	50.0	48.0	
80 2-Hexanone	43	7.420	7.420	0.000	97	1096743	250.0	249.9	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	264748	50.0	51.7	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	245484	50.0	48.8	
87 Chlorobenzene	112	8.223	8.223	0.000	95	763767	50.0	47.5	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1291703	50.0	48.5	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	257982	50.0	49.7	
90 m-Xylene & p-Xylene	106	8.405	8.405	0.000	99	528081	50.0	46.1	
91 o-Xylene	106	8.837	8.837	0.000	96	499650	50.0	48.4	
92 Styrene	104	8.856	8.856	0.000	94	828519	50.0	49.9	
95 Bromoform	173	9.136	9.136	0.000	96	137998	50.0	50.8	
94 Isopropylbenzene	105	9.202	9.202	0.000	95	1254869	50.0	49.0	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	304673	50.0	48.9	
101 Bromobenzene	156	9.592	9.592	0.000	93	312758	50.0	47.9	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	60	107764	50.0	49.7	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	1476581	50.0	48.7	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	82	97048	50.0	47.8	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	304282	50.0	48.2	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	1035029	50.0	48.0	
105 4-Chlorotoluene	126	9.859	9.859	0.000	97	321428	50.0	48.0	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	240831	50.0	49.3	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	1060091	50.0	47.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	1356003	50.0	49.3	
110 4-Isopropyltoluene	119	10.443	10.443	0.000	97	1175624	50.0	49.4	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	99	603946	50.0	47.9	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	609631	50.0	47.7	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	1028521	50.0	49.6	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	567652	50.0	48.1	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	85	54286	50.0	51.2	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	315040	50.0	48.8	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	141066	50.0	49.5	
121 Naphthalene	128	12.451	12.451	0.000	97	999334	50.0	47.9	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	290267	50.0	48.3	

Reagents:

8260 CORP mix_00059	Amount Added: 25.00	Units: uL	
GAS CORP mix_00121	Amount Added: 25.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent

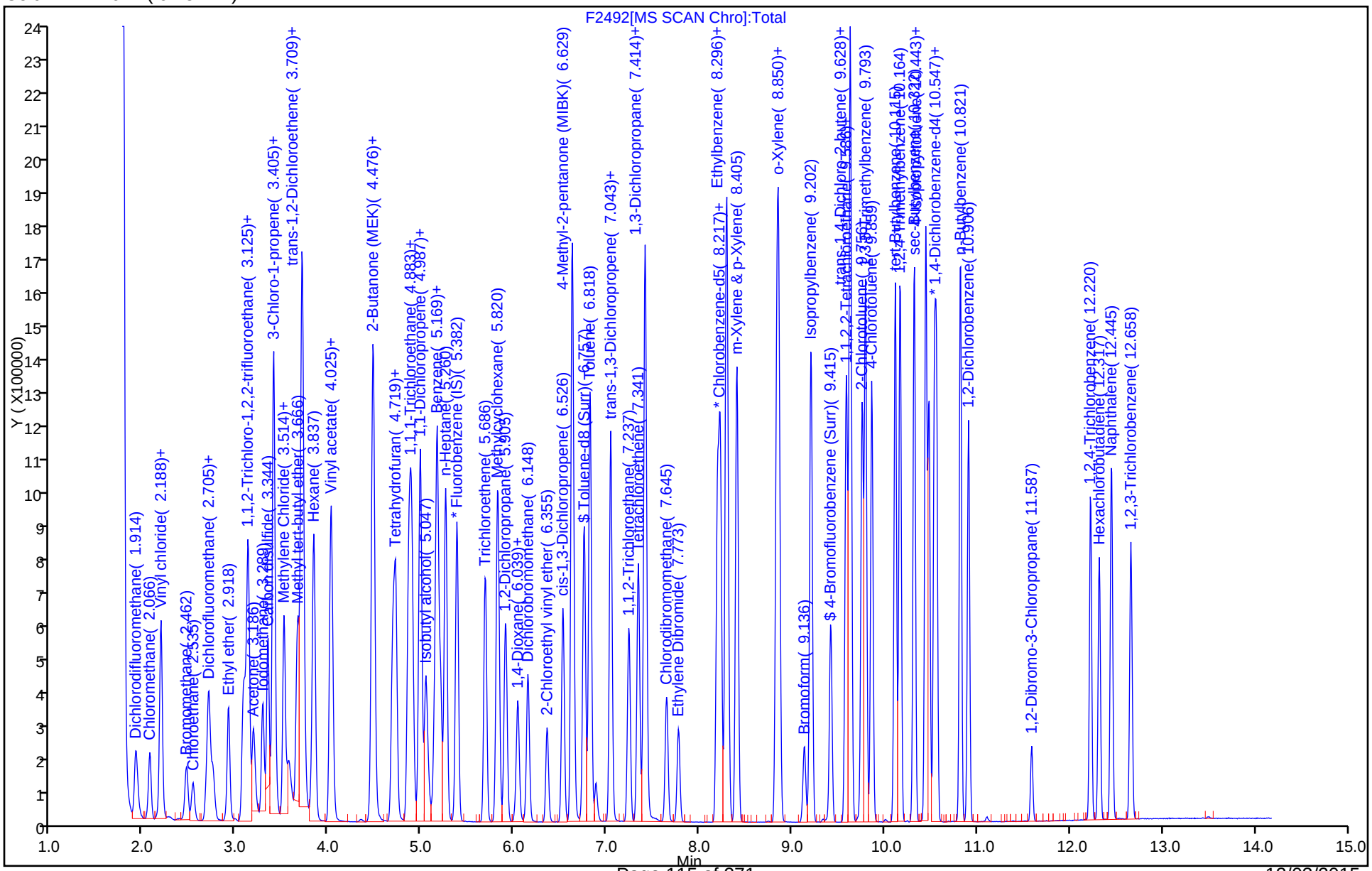
Report Date: 19-Nov-2015 13:23:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2492.D

Injection Date:	19-Nov-2015 05:38:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	ICIS 5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2493.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Nov-2015 06:04:30 ALS Bottle#: 12 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0048486-009
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:23:06 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:36:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	191512	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	381629	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	94	353899	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	93	195734	50.0	50.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.145	0.000	0	115128	50.0	49.1	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	779485	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	87	209768	50.0	49.4	
10 Dichlorodifluoromethane	85	1.921	1.920	0.001	99	656956	100.0	93.3	
12 Chloromethane	50	2.073	2.066	0.007	99	530394	100.0	93.7	
13 Vinyl chloride	62	2.188	2.182	0.006	98	471665	100.0	97.0	
151 Butadiene	54	2.194	2.188	0.006	92	479954	100.0	96.8	
14 Bromomethane	94	2.468	2.462	0.006	90	293097	100.0	92.6	
15 Chloroethane	64	2.535	2.535	0.000	99	252088	100.0	95.7	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	99	696503	100.0	94.7	
17 Trichlorofluoromethane	101	2.718	2.717	0.001	100	700280	100.0	94.3	
18 Ethyl ether	59	2.918	2.918	0.000	94	473570	100.0	94.8	
20 Acrolein	56	3.076	3.076	0.000	99	619552	500.0	515.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	95	510536	100.0	94.8	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	536560	100.0	96.1	
23 Acetone	43	3.186	3.186	0.000	100	1072005	500.0	523.5	
25 Iodomethane	142	3.289	3.289	0.000	98	954051	100.0	96.3	
26 Carbon disulfide	76	3.344	3.344	0.000	99	1832672	100.0	101.7	
27 Methyl acetate	43	3.399	3.405	-0.006	98	2837225	500.0	512.8	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	93	990231	100.0	96.8	
30 Methylene Chloride	84	3.514	3.514	0.000	95	597749	100.0	86.6	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	100	810083	1000.0	1120.7	
32 Methyl tert-butyl ether	73	3.667	3.666	0.001	95	1708151	100.0	98.4	
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	99	579001	100.0	95.0	
33 Acrylonitrile	53	3.715	3.715	0.000	99	2585645	1000.0	1045.0	
35 Hexane	57	3.837	3.837	0.000	93	1011251	100.0	92.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	2300225	200.0	207.5	
39 1,1-Dichloroethane	63	4.032	4.031	0.001	96	1034654	100.0	94.4	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	93	789773	100.0	99.1	
43 2-Butanone (MEK)	43	4.470	4.476	-0.006	99	1745600	500.0	555.6	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	84	623454	100.0	95.4	
48 Chlorobromomethane	128	4.689	4.688	0.001	98	312125	100.0	98.3	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	90	495505	200.0	222.3	
50 Chloroform	83	4.725	4.725	0.000	95	960822	100.0	95.5	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	98	822925	100.0	98.3	
52 Cyclohexane	56	4.895	4.889	0.006	92	1026412	100.0	97.1	
54 1,1-Dichloropropene	75	4.987	4.980	0.007	94	798916	100.0	97.8	
55 Carbon tetrachloride	117	4.993	4.993	0.000	98	735197	100.0	101.3	
53 Isobutyl alcohol	43	5.048	5.047	0.001	95	904716	2500.0	3000.1	
57 Benzene	78	5.169	5.169	0.000	97	2275552	100.0	94.3	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	97	757662	100.0	95.4	
59 n-Heptane	43	5.260	5.260	0.000	94	1063227	100.0	96.1	
62 Trichloroethene	95	5.686	5.686	0.000	97	586707	100.0	97.1	
64 Methylcyclohexane	83	5.826	5.820	0.006	91	1016516	100.0	98.1	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	94	564723	100.0	97.0	
66 1,4-Dioxane	88	6.015	6.021	-0.006	95	121989	2000.0	2120.6	M
67 Dibromomethane	93	6.039	6.039	0.000	97	333662	100.0	98.7	
68 Dichlorobromomethane	83	6.149	6.148	0.001	100	717073	100.0	102.6	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	316177	100.0	107.6	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	908941	100.0	103.6	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	3309303	500.0	522.7	
74 Toluene	92	6.824	6.818	0.006	99	1430411	100.0	94.5	
75 Ethyl methacrylate	69	7.043	7.043	0.000	88	744814	100.0	105.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	96	804335	100.0	102.7	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	91	409573	100.0	98.1	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	581004	100.0	95.5	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	94	828153	100.0	96.0	
80 2-Hexanone	43	7.420	7.420	0.000	96	2481468	500.0	549.5	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	569238	100.0	108.1	
84 Ethylene Dibromide	107	7.773	7.773	0.000	99	518332	100.0	100.2	
87 Chlorobenzene	112	8.223	8.223	0.000	95	1557602	100.0	94.2	
88 Ethylbenzene	91	8.290	8.290	0.000	98	2586914	100.0	94.5	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	534155	100.0	100.1	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	1062044	100.0	90.2	
91 o-Xylene	106	8.838	8.837	0.001	97	1008186	100.0	95.0	
92 Styrene	104	8.856	8.856	0.000	96	1696446	100.0	99.3	
95 Bromoform	173	9.130	9.136	-0.006	96	313181	100.0	112.0	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	2522519	100.0	96.3	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	652609	100.0	102.3	
101 Bromobenzene	156	9.592	9.592	0.000	92	633842	100.0	94.9	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	62	243306	100.0	109.6	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	2944747	100.0	94.9	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	82	210181	100.0	101.0	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	615123	100.0	95.1	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	95	2097631	100.0	95.0	
105 4-Chlorotoluene	126	9.860	9.859	0.001	97	653052	100.0	95.3	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	491696	100.0	98.2	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	2144944	100.0	94.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	2711145	100.0	96.4	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	2362056	100.0	96.9	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	1217441	100.0	94.4	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	1233558	100.0	94.3	
115 n-Butylbenzene	91	10.821	10.815	0.006	97	2062786	100.0	97.2	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	1161603	100.0	96.2	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	87	129158	100.0	119.1	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	643711	100.0	97.5	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	95	284735	100.0	97.5	
121 Naphthalene	128	12.445	12.451	-0.006	97	2181164	100.0	102.1	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	605549	100.0	98.4	
S 125 1,2-Dichloroethene, Total	1				0			190.4	
S 126 1,3-Dichloropropene, Total	1				0			206.2	
S 123 Total BTEX	1				0			468.5	
S 124 Xylenes, Total	1				0			185.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added: 50.00	Units: uL		
GAS CORP mix_00121	Amount Added: 50.00	Units: uL		
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent	
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent	

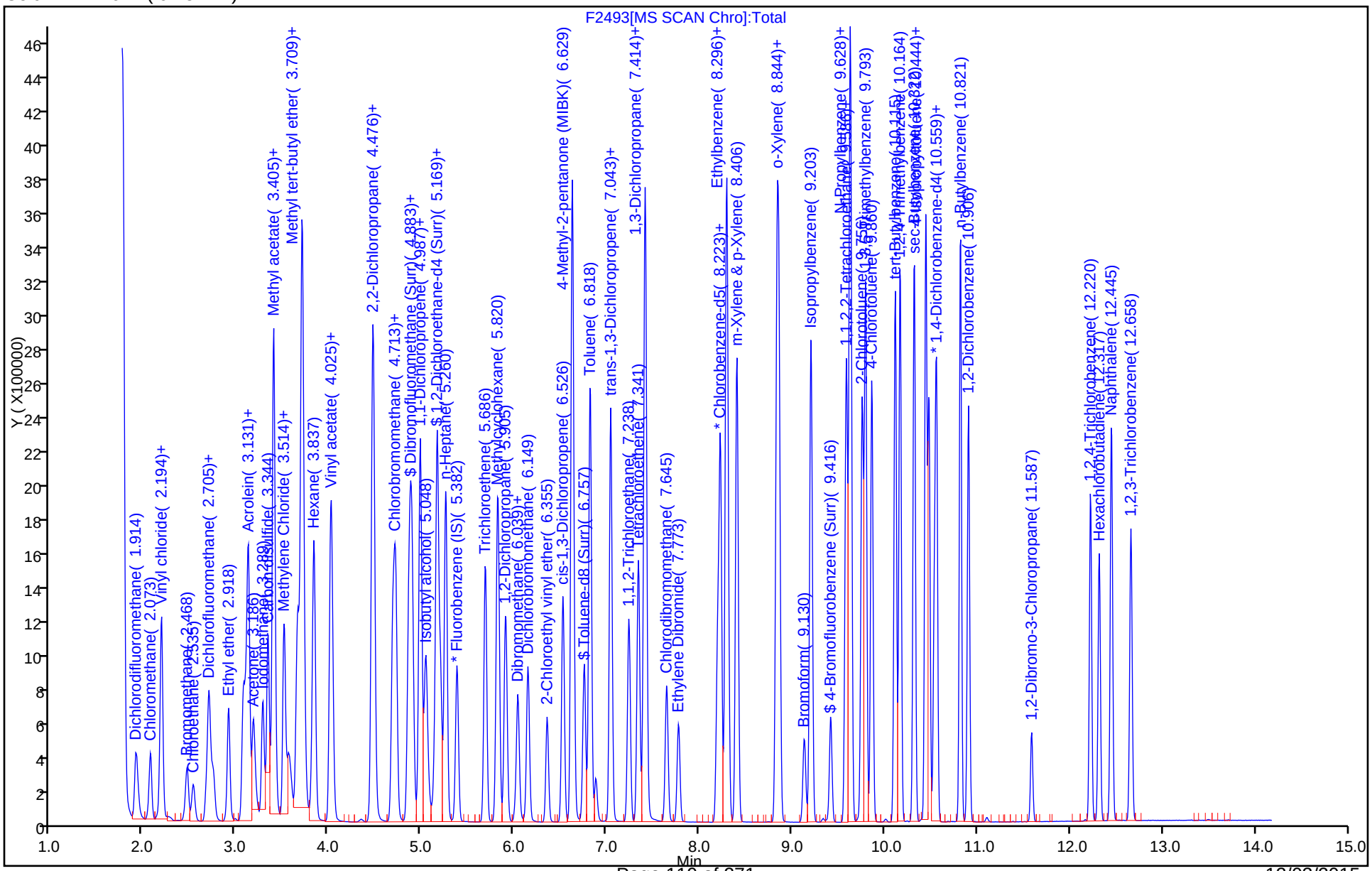
Report Date: 19-Nov-2015 13:23:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2493.D

Injection Date:	19-Nov-2015 06:04:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 6			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

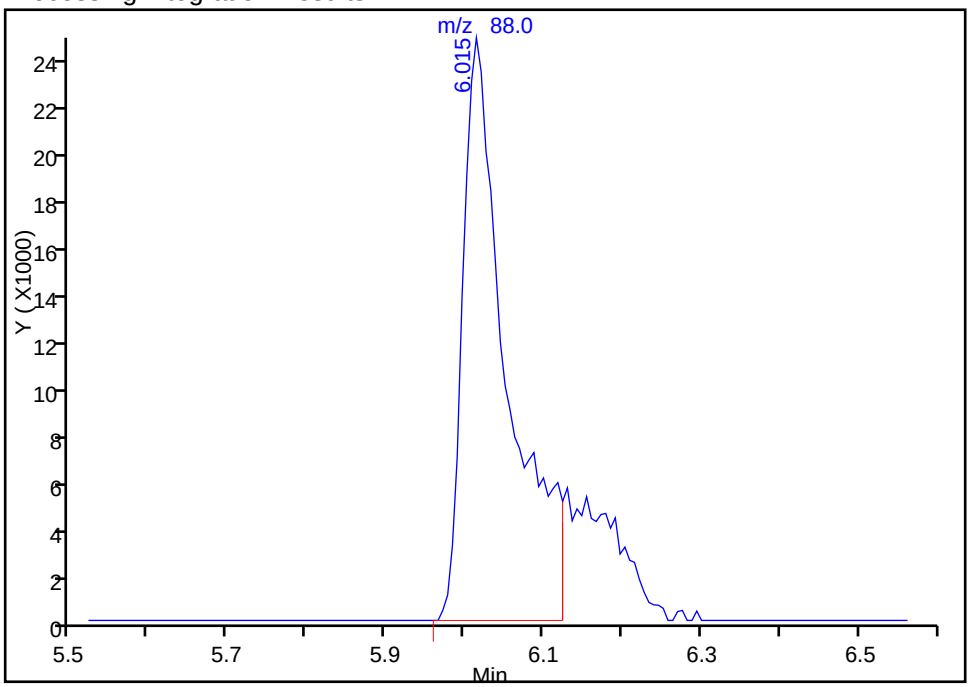
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2493.D
Injection Date: 19-Nov-2015 06:04:30 Instrument ID: HP5973F
Lims ID: IC 6
Client ID:
Operator ID: NMD ALS Bottle#: 12 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

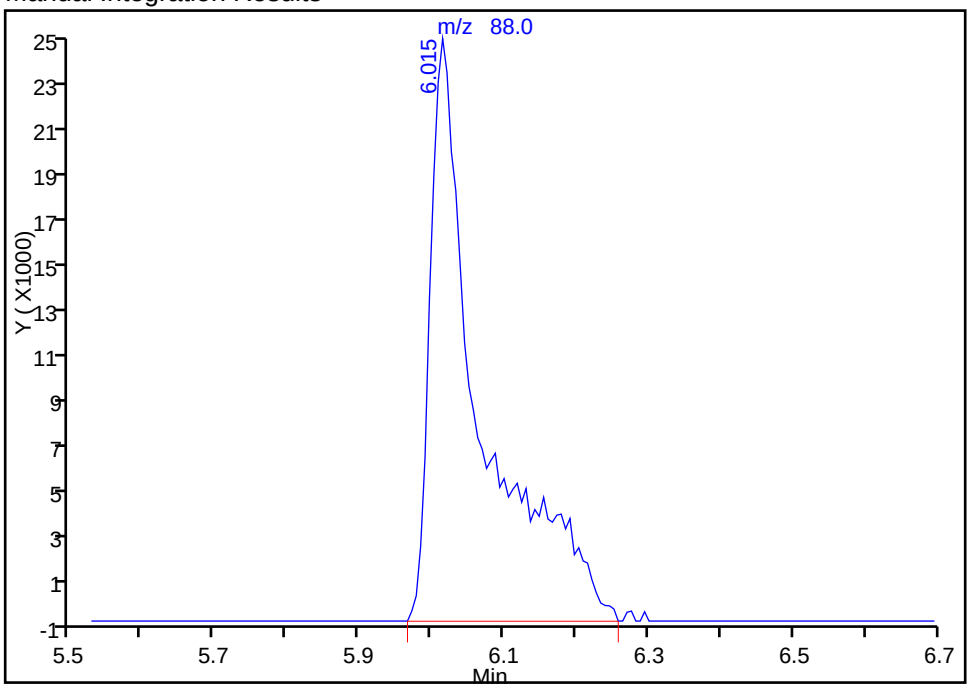
Processing Integration Results

RT: 6.01
Area: 97616
Amount: 1804.2032
Amount Units: ug/kg



Manual Integration Results

RT: 6.01
Area: 121989
Amount: 2120.6065
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:36:42
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2494.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Nov-2015 06:30:30 ALS Bottle#: 13 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0048486-010
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:23:09 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:11:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	205451	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	409237	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	376216	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	93	211009	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	126895	50.0	50.4	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	92	847913	50.0	50.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.415	0.007	88	229275	50.0	50.3	
10 Dichlorodifluoromethane	85	1.915	1.920	-0.005	100	1438024	200.0	190.4	
12 Chloromethane	50	2.079	2.066	0.013	99	1119188	200.0	184.4	
13 Vinyl chloride	62	2.188	2.182	0.006	99	1003785	200.0	192.5	
151 Butadiene	54	2.194	2.188	0.006	92	1035227	200.0	194.5	
14 Bromomethane	94	2.468	2.462	0.006	91	635338	200.0	187.0	
15 Chloroethane	64	2.535	2.535	0.000	99	547240	200.0	193.6	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	99	1481303	200.0	187.7	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	99	1504360	200.0	188.7	
18 Ethyl ether	59	2.912	2.918	-0.006	94	1041114	200.0	194.4	
20 Acrolein	56	3.070	3.076	-0.006	99	1218388	1000.0	944.5	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	94	1105375	200.0	191.4	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	99	1144637	200.0	191.1	
23 Acetone	43	3.186	3.186	0.000	100	2000354	1000.0	910.5	
25 Iodomethane	142	3.283	3.289	-0.006	99	2010186	200.0	189.2	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	3927835	200.0	203.1	
27 Methyl acetate	43	3.399	3.405	-0.006	98	5362841	1000.0	903.4	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	93	2061298	200.0	187.8	
30 Methylene Chloride	84	3.515	3.514	0.001	95	1262947	200.0	170.6	
31 2-Methyl-2-propanol	59	3.563	3.569	-0.006	100	1469065	2000.0	1894.4	
32 Methyl tert-butyl ether	73	3.661	3.666	-0.005	96	3574392	200.0	192.0	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	1202522	200.0	183.9	
33 Acrylonitrile	53	3.715	3.715	0.000	98	4855522	2000.0	1829.2	
35 Hexane	57	3.837	3.837	0.000	94	2174241	200.0	184.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.019	-0.006	97	4675540	400.0	393.1	
39 1,1-Dichloroethane	63	4.032	4.031	0.001	97	2189623	200.0	186.2	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	93	1690016	200.0	197.7	
43 2-Butanone (MEK)	43	4.470	4.476	-0.006	100	3257941	1000.0	966.6	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	84	1312908	200.0	187.2	
48 Chlorobromomethane	128	4.689	4.688	0.001	96	667196	200.0	195.8	
49 Tetrahydrofuran	42	4.701	4.713	-0.012	89	945319	400.0	395.3	
50 Chloroform	83	4.719	4.725	-0.006	95	2051639	200.0	190.1	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	98	1787805	200.0	199.0	
52 Cyclohexane	56	4.895	4.889	0.006	92	2189445	200.0	193.0	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	96	1708348	200.0	194.9	
55 Carbon tetrachloride	117	4.993	4.993	0.000	98	1597323	200.0	205.2	
53 Isobutyl alcohol	43	5.041	5.047	-0.006	95	1686084	5000.0	5211.9	
57 Benzene	78	5.169	5.169	0.000	98	4798458	200.0	185.4	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	97	1610642	200.0	189.1	
59 n-Heptane	43	5.261	5.260	0.000	94	2300026	200.0	193.8	
62 Trichloroethene	95	5.686	5.686	0.000	97	1252448	200.0	193.3	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	2213874	200.0	199.1	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	1218159	200.0	195.1	
66 1,4-Dioxane	88	6.015	6.021	-0.006	94	240407	4000.0	3867.5	
67 Dibromomethane	93	6.039	6.039	0.000	97	717723	200.0	197.9	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	1581768	200.0	211.0	
69 2-Chloroethyl vinyl ether	63	6.356	6.355	0.001	92	680057	200.0	215.8	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	1995817	200.0	212.0	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	96	6267874	1000.0	923.1	
74 Toluene	92	6.818	6.818	0.000	99	3081041	200.0	189.9	
75 Ethyl methacrylate	69	7.043	7.043	0.000	88	1566523	200.0	206.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	1762024	200.0	209.7	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	868102	200.0	194.0	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	1242427	200.0	190.4	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	95	1752138	200.0	189.4	
80 2-Hexanone	43	7.414	7.420	-0.006	96	4655687	1000.0	961.4	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	1263304	200.0	223.7	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	1122720	200.0	202.4	
87 Chlorobenzene	112	8.229	8.223	0.006	95	3312968	200.0	186.8	
88 Ethylbenzene	91	8.290	8.290	0.000	98	5409882	200.0	184.2	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	1150720	200.0	201.1	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	2260523	200.0	179.0	
91 o-Xylene	106	8.838	8.837	0.001	96	2134126	200.0	187.5	
92 Styrene	104	8.856	8.856	0.000	95	3619185	200.0	197.6	
95 Bromoform	173	9.130	9.136	-0.006	96	686826	200.0	229.1	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	5318870	200.0	191.0	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	1331894	200.0	196.5	
101 Bromobenzene	156	9.592	9.592	0.000	93	1333862	200.0	187.8	
98 trans-1,4-Dichloro-2-buten	53	9.629	9.628	0.000	59	495231	200.0	209.9	
99 N-Propylbenzene	91	9.629	9.628	0.000	98	6065785	200.0	184.0	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	83	423457	200.0	191.5	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	1324661	200.0	192.7	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	4394506	200.0	187.1	
105 4-Chlorotoluene	126	9.866	9.859	0.007	97	1407328	200.0	193.2	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	1039607	200.0	195.4	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	4503835	200.0	186.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	5655525	200.0	189.1	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	96	4921781	200.0	190.0	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	2590896	200.0	188.9	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	2621949	200.0	188.6	
115 n-Butylbenzene	91	10.821	10.815	0.006	97	4412288	200.0	195.5	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	2449542	200.0	190.9	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	87	260583	200.0	226.0	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	1357039	200.0	193.3	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	92	584857	200.0	188.5	
121 Naphthalene	128	12.445	12.451	-0.006	97	4363922	200.0	192.1	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	1255884	200.0	192.0	
S 125 1,2-Dichloroethene, Total	1				0			371.2	
S 126 1,3-Dichloropropene, Total	1				0			421.7	
S 123 Total BTEX	1				0			926.0	
S 124 Xylenes, Total	1				0			366.5	

Reagents:

8260 CORP mix_00059	Amount Added: 100.00	Units: uL	
GAS CORP mix_00121	Amount Added: 100.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent

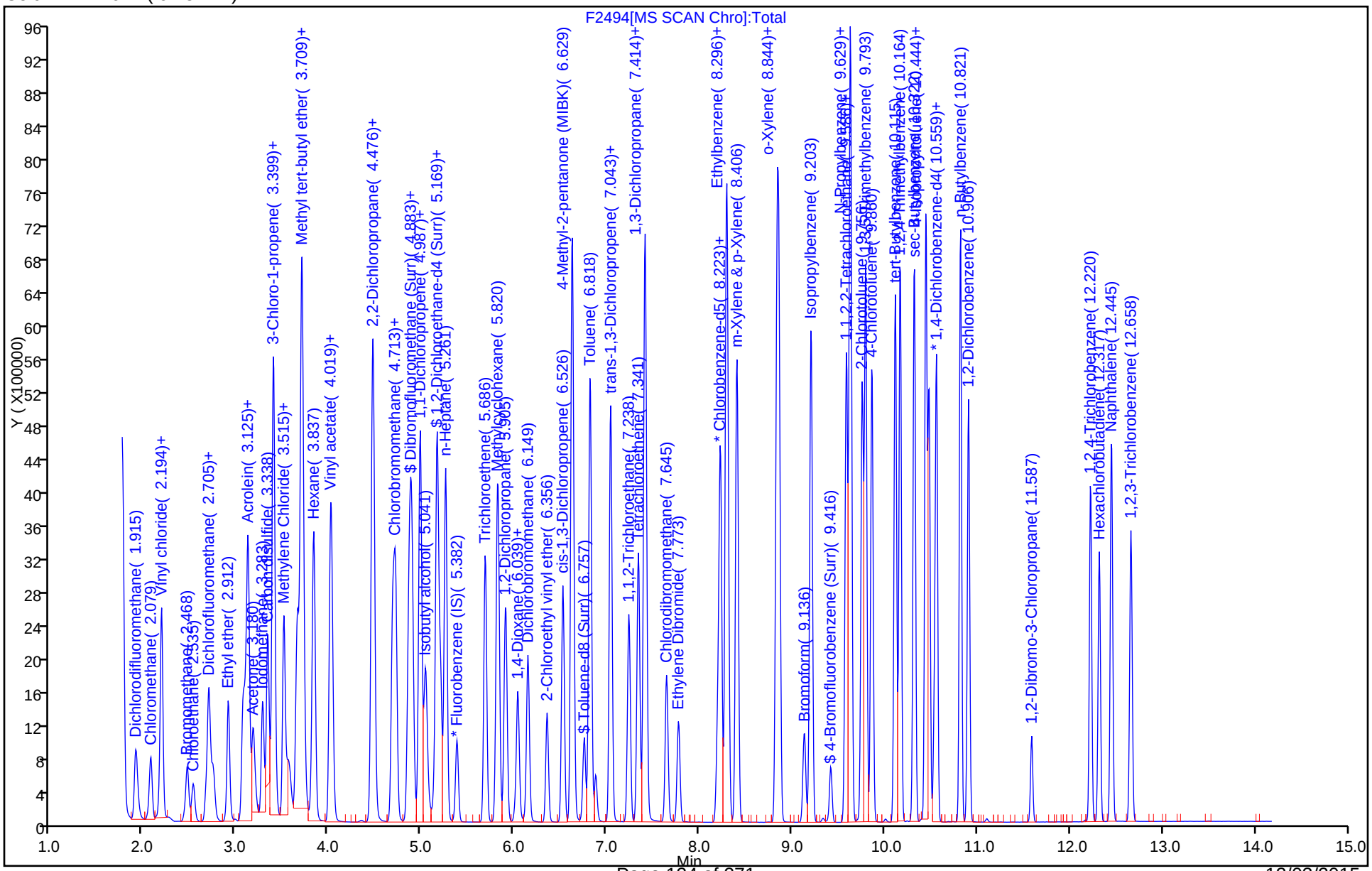
Report Date: 19-Nov-2015 13:23:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2494.D

Injection Date:	19-Nov-2015 06:30:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 7			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-271162/5	Q6125.D
Level 2	IC 480-271162/6	Q6126.D
Level 3	IC 480-271162/7	Q6127.D
Level 4	IC 480-271162/8	Q6128.D
Level 5	IC 480-271162/9	Q6129.D
Level 6	ICIS 480-271162/10	Q6130.D
Level 7	IC 480-271162/11	Q6131.D
Level 8	IC 480-271162/12	Q6132.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7655 1.7344	1.8899 1.4476	1.8474 1.3764	1.8520	1.6898	Ave		1.7004			0.1000	11.2		20.0			
Chloromethane	+++++ 1.8321	2.4468 1.6814	2.1433 1.4884	2.0850	1.9605	Ave		1.9482			0.1000	16.3		20.0			
Vinyl chloride	2.1361 1.8635	2.0525 1.6494	2.0134 1.5234	1.9916	1.8627	Ave		1.8866			0.1000	11.1		20.0			
Butadiene	+++++ 1.7839	2.1292 1.4961	1.9817 1.4442	2.0183	1.8334	Ave		1.8124				14.4		20.0			
Bromomethane	1.4312 1.1467	1.3726 1.0717	1.2610 0.9806	1.2605	1.1704	Ave		1.2118			0.1000	12.4		20.0			
Chloroethane	1.1937 1.1579	1.3699 1.0585	1.2022 0.9275	1.2758	1.1812	Ave		1.1708			0.1000	11.4		20.0			
Dichlorofluoromethane	+++++ 2.7928	3.7693 2.5423	3.2686 2.2189	3.0993	2.8965	Ave		2.9411				17.1		20.0			
Trichlorofluoromethane	2.8981 2.4069	2.8664 2.0631	2.5658 2.0093	2.5614	2.3873	Ave		2.4698			0.1000	13.2		20.0			
Ethyl ether	1.6496 1.6237	1.9779 1.5721	1.6506 1.3843	1.7963	1.6009	Ave		1.6569				10.4		20.0			
Acrolein	0.1910 0.2264	0.2293 0.2312	0.2119 0.2093	0.2252	0.2311	Ave		0.2194				6.5		20.0			
1,1-Dichloroethene	1.5960 1.4117	1.7296 1.3319	1.5876 1.2841	1.6241	1.4546	Ave		1.5025			0.1000	10.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5096 1.4227	1.7173 1.2394	1.5402 1.3154	1.6842	1.4772	Ave		1.4883			0.1000	11.1		20.0			
Acetone	+++++ 0.6767	1.0363 0.6518	0.9732 0.6389	0.7863	0.7731	Lin1	2.7607	0.6434			0.1000				0.9980		0.9900
Iodomethane	3.2082 2.9778	3.5959 2.8769	3.0832 2.6356	3.2440	3.0396	Ave		3.0826				9.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 4.6462	6.1208 4.4151	5.2582 4.1641	5.3498	4.8094	Ave		4.9662			0.1000	13.4		20.0			
Allyl chloride	3.5523 2.5855	3.4899 2.4357	2.8088 2.2013	3.0037	2.6396	Ave		2.8396				17.0		20.0			
Methyl acetate	3.3063 2.0469	2.6136 1.9806	2.5587 1.8254	2.3304	2.2872	Lin1	4.7711	1.9071			0.1000				0.9960		0.9900
Methylene Chloride	+++++ 1.6391	2.5709 1.5803	1.8963 1.4246	1.8645	1.6835	Lin1	1.2133	1.4843			0.1000				0.9960		0.9900
2-Methyl-2-propanol	0.1960 0.2094	0.2780 0.2084	0.2302 0.2524	0.2460	0.1874	Ave		0.2260				13.8		20.0			
Methyl tert-butyl ether	6.4308 5.5244	6.5041 5.4578	5.8129 4.7394	5.9146	5.2817	Ave		5.7082			0.1000	10.3		20.0			
trans-1,2-Dichloroethene	1.7753 1.5459	1.9427 1.5157	1.6493 1.4130	1.7223	1.5946	Ave		1.6448			0.1000	10.1		20.0			
Acrylonitrile	1.3301 1.0308	1.2378 1.0021	1.1293 0.8567	1.1290	1.0659	Ave		1.0977				13.3		20.0			
Hexane	2.6399 1.9416	2.5838 1.7244	2.2953 1.9047	2.4442	1.9521	Ave		2.1857				15.9		20.0			
1,1-Dichloroethane	3.3039 2.8846	3.3834 2.7984	2.9435 2.5515	3.1705	2.9555	Ave		2.9989			0.2000	9.2		20.0			
Vinyl acetate	3.8336 3.4409	3.9309 3.2801	3.2766 2.9125	3.4607	3.3585	Ave		3.4367				9.4		20.0			
2,2-Dichloropropane	2.1304 1.6788	2.2585 1.5659	1.9036 1.4104	1.8691	1.7394	Ave		1.8195				15.5		20.0			
cis-1,2-Dichloroethene	1.8721 1.7488	2.0856 1.6773	1.8175 1.5308	1.8702	1.7847	Ave		1.7984			0.1000	9.0		20.0			
2-Butanone (MEK)	1.7841 1.3048	1.5546 1.2603	1.4904 1.1489	1.4527	1.3388	Ave		1.4168			0.1000	14.0		20.0			
Chlorobromomethane	0.8732 0.9623	1.0855 0.9427	0.9230 0.8665	1.0240	0.9748	Ave		0.9565				7.7		20.0			
Tetrahydrofuran	1.1782 0.9338	1.1318 0.9202	1.1237 0.8806	1.0819	0.9773	Ave		1.0284				11.0		20.0			
Chloroform	+++++ 2.7082	3.2837 2.6027	2.8925 2.3544	2.9860	2.7299	Ave		2.7939			0.2000	10.6		20.0			
1,1,1-Trichloroethane	2.5523 2.2720	2.7766 2.1722	2.3271 2.0559	2.5634	2.3289	Ave		2.3810			0.1000	9.9		20.0			
Cyclohexane	3.1754 2.5422	3.2341 2.3032	2.8871 2.4127	3.0499	2.6708	Ave		2.7844			0.1000	12.7		20.0			
Carbon tetrachloride	2.3067 2.0138	2.4184 1.9874	2.0117 1.9745	2.2116	2.0288	Ave		2.1191			0.1000	8.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.4041 2.0681	2.4477 1.9551	2.2186 1.9053	2.3038	2.0963	Ave		2.1749				9.3		20.0			
Isobutyl alcohol	+++++ 0.1189	0.1462 0.1200	0.2072 0.1291	0.1367	0.1477	Lin	0.4640	0.1268							0.9980		0.9900
Benzene	7.3548 5.9616	7.1884 5.7844	6.3179 5.2535	6.6552	6.0067	Ave		6.3153			0.5000	11.3		20.0			
1,2-Dichloroethane	2.9765 2.3281	2.8064 2.2617	2.4345 2.0349	2.5061	2.3610	Ave		2.4636			0.1000	12.2		20.0			
n-Heptane	+++++ 1.9994	2.7852 1.8878	2.3125 1.8659	2.3004	1.9007	Ave		2.1503				15.7		20.0			
Trichloroethene	+++++ 1.5454	1.8866 1.4883	1.6166 1.3921	1.6873	1.5431	Ave		1.5942			0.2000	10.0		20.0			
Methylcyclohexane	2.8607 2.2956	2.9392 2.0705	2.5210 2.1959	2.7348	2.3446	Ave		2.4953			0.1000	12.9		20.0			
1,2-Dichloropropane	1.7332 1.4841	1.7150 1.4475	1.4599 1.3539	1.5809	1.4524	Ave		1.5284			0.1000	8.9		20.0			
1,4-Dioxane	+++++ 0.0106	0.0066 0.0100	0.0104 0.0111	0.0084	0.0089	Ave		0.0094				16.4		20.0			
Dibromomethane	1.0335 1.0571	1.1631 1.0441	1.0549 0.9633	1.1220	1.0346	Ave		1.0591			0.1000	5.7		20.0			
Bromodichloromethane	2.1505 1.9926	2.1618 1.9917	1.8475 1.8580	2.0277	1.9180	Ave		1.9935			0.2000	6.0		20.0			
2-Chloroethyl vinyl ether	1.1292 1.1292	0.9867 1.1034	1.0070 1.0909	1.1211	1.0314	Ave		1.0749				5.4		20.0			
trans-1,3-Dichloropropene	1.3910 1.3174	1.3513 1.3286	1.2665 1.3220	1.2788	1.2573	Ave		1.3141			0.1000	3.4		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 1.3829	1.6615 1.2884	1.5654 1.0622	1.5191	1.4461	Ave		1.4179			0.1000	14.0		20.0			
Toluene	2.2711 1.9620	2.3473 1.9406	2.1088 1.9324	2.0793	1.9846	Ave		2.0783			0.4000	7.6		20.0			
cis-1,3-Dichloropropene	2.1782 2.1999	1.9612 2.1894	1.9293 2.1345	2.1313	1.9694	Ave		2.0866			0.2000	5.4		20.0			
Ethyl methacrylate	1.3241 1.2244	1.2424 1.1911	1.2128 1.1998	1.2246	1.1584	Ave		1.2222				4.0		20.0			
1,1,2-Trichloroethane	0.6576 0.6132	0.6636 0.6038	0.6077 0.6076	0.6222	0.5829	Ave		0.6198			0.1000	4.4		20.0			
Tetrachloroethene	+++++ 0.8819	1.0149 0.8529	0.9044 0.8978	0.9586	0.8808	Ave		0.9131			0.2000	6.1		20.0			
1,3-Dichloropropane	1.3931 1.2693	1.3405 1.2544	1.2760 1.2779	1.2717	1.2105	Ave		1.2867				4.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.9808	1.1460 0.8956	1.1310 0.7755	1.1166	0.9983	Ave		1.0063			0.1000	13.7		20.0			
Dibromochloromethane	0.8173 0.9110	0.8647 0.9575	0.7787 0.9767	0.8341	0.8343	Ave		0.8718			0.1000	8.0		20.0			
1,2-Dibromoethane	0.8786 0.8346	0.8517 0.8257	0.7978 0.8527	0.8214	0.7949	Ave		0.8322				3.4		20.0			
Chlorobenzene	+++++ 2.1948	2.4709 2.1630	2.3166 2.1355	2.2810	2.1641	Ave		2.2466			0.5000	5.3		20.0			
Ethylbenzene	4.1701 3.5355	4.1295 3.3994	3.7919 3.2190	3.8231	3.5423	Ave		3.7014			0.1000	9.1		20.0			
1,1,1,2-Tetrachloroethane	0.9181 0.8853	0.9672 0.9045	0.8213 0.8964	0.8746	0.8507	Ave		0.8898				4.9		20.0			
m,p-Xylene	1.6567 1.4995	1.7031 1.4725	1.5646 1.4835	1.5614	1.4564	Ave		1.5497			0.1000	5.8		20.0			
o-Xylene	1.6604 1.5461	1.8058 1.5291	1.5718 1.5041	1.6121	1.5272	Ave		1.5946			0.3000	6.2		20.0			
Styrene	2.7391 2.4824	2.6694 2.4435	2.5093 2.4077	2.5792	2.4001	Ave		2.5288			0.3000	4.9		20.0			
Bromoform	0.5740 0.6204	0.5751 0.6526	0.4945 0.6938	0.5307	0.5420	Ave		0.5854			0.1000	11.3		20.0			
Isopropylbenzene	3.7687 3.2938	3.7376 3.2147	3.5328 3.0123	3.5003	3.3177	Ave		3.4222			0.1000	7.6		20.0			
Bromobenzene	1.0135 0.8823	0.9733 0.8775	0.9368 0.8857	0.9271	0.8634	Ave		0.9200				5.7		20.0			
1,1,2,2-Tetrachloroethane	1.1372 1.0366	1.1289 1.0339	1.0637 1.0066	1.0712	1.0419	Ave		1.0650			0.3000	4.4		20.0			
1,2,3-Trichloropropane	0.3812 0.3737	0.3971 0.3668	0.3943 0.3662	0.3833	0.3596	Ave		0.3778				3.6		20.0			
trans-1,4-Dichloro-2-butene	0.3219 0.3393	0.3182 0.3252	0.3328 0.3340	0.3401	0.3141	Ave		0.3282				3.0		20.0			
N-Propylbenzene	4.1577 3.6276	4.2731 3.4404	3.8540 3.2149	3.8949	3.6055	Ave		3.7585				9.5		20.0			
2-Chlorotoluene	0.8511 0.8076	0.8955 0.8088	0.8146 0.8083	0.8356	0.7895	Ave		0.8264				4.1		20.0			
1,3,5-Trimethylbenzene	3.2115 2.8514	3.1983 2.7994	2.9425 2.6053	2.9652	2.8313	Ave		2.9256				7.0		20.0			
4-Chlorotoluene	0.9681 0.8203	0.8985 0.8303	0.8983 0.8442	0.8442	0.7918	Ave		0.8620				6.5		20.0			
tert-Butylbenzene	0.6385 0.6566	0.6835 0.6570	0.6501 0.6592	0.6906	0.6334	Ave		0.6586				3.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.2280 2.9370	3.2960 2.8866	3.0972 2.6767	3.0810	2.9510	Ave		3.0192				6.6		20.0			
sec-Butylbenzene	3.7920 3.3834	3.8481 3.2445	3.5035 3.0684	3.6140	3.3611	Ave		3.4769				7.7		20.0			
4-Isopropyltoluene	3.4215 3.1118	3.5080 3.0211	3.2249 2.8159	3.2911	3.0705	Ave		3.1831				7.1		20.0			
1,3-Dichlorobenzene	1.9821 1.6758	2.0002 1.6614	1.7984 1.6388	1.7733	1.6450	Ave		1.7719			0.6000	8.3		20.0			
1,4-Dichlorobenzene	+++++ 1.7309	1.9878 1.7105	1.8627 1.6701	1.8040	1.6970	Ave		1.7804			0.5000	6.4		20.0			
n-Butylbenzene	2.7851 2.4543	2.9314 2.3392	2.5970 2.2520	2.6239	2.4363	Ave		2.5524				8.9		20.0			
1,2-Dichlorobenzene	2.0364 1.6781	1.9507 1.6808	1.8050 1.6194	1.7504	1.6865	Ave		1.7759			0.4000	8.3		20.0			
1,2-Dibromo-3-Chloropropane	0.2375 0.2654	0.2567 0.2711	0.2650 0.2556	0.2471	0.2590	Ave		0.2572			0.0500	4.2		20.0			
1,2,4-Trichlorobenzene	1.3846 1.2199	1.4703 1.2105	1.3089 1.0426	1.2564	1.2557	Ave		1.2686			0.2000	10.0		20.0			
Hexachlorobutadiene	0.4905 0.4402	0.5862 0.4212	0.4936 0.3849	0.4936	0.4468	Ave		0.4696				13.0		20.0			
Naphthalene	4.5787 4.0795	4.6500 3.9894	4.4713 3.2166	4.1762	4.2745	Ave		4.1795				10.9		20.0			
1,2,3-Trichlorobenzene	1.3859 1.1611	1.3442 1.1670	1.3034 0.9819	1.1936	1.2149	Ave		1.2190				10.5		20.0			
Dibromofluoromethane (Surr)	1.3920 1.3366	1.4035 1.3178	1.3345 1.2010	1.3907	1.3838	Ave		1.3450				4.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8329 0.7828	0.8376 0.7764	0.7958 0.7034	0.8156	0.8155	Ave		0.7950				5.4		20.0			
Toluene-d8 (Surr)	2.3449 2.3886	2.4140 2.3956	2.3771 2.4093	2.3944	2.4353	Ave		2.3949				1.1		20.0			
4-Bromofluorobenzene (Surr)	0.8060 0.8018	0.7979 0.8062	0.7996 0.8188	0.7995	0.8051	Ave		0.8044				0.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-271162/5	Q6125.D
Level 2	IC 480-271162/6	Q6126.D
Level 3	IC 480-271162/7	Q6127.D
Level 4	IC 480-271162/8	Q6128.D
Level 5	IC 480-271162/9	Q6129.D
Level 6	ICIS 480-271162/10	Q6130.D
Level 7	IC 480-271162/11	Q6131.D
Level 8	IC 480-271162/12	Q6132.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3063 159020	6332 275676	13040 599060	31933	58223	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 167970	8198 320188	15129 647787	35952	67550	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3706 170853	6877 314092	14212 663026	34341	64181	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 163555	7134 284908	13988 628579	34802	63172	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	2483 105138	4599 204090	8901 426813	21734	40326	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2071 106163	4590 201568	8486 403672	21999	40700	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 256054	12629 484135	23072 965730	53441	99803	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5028 220671	9604 392875	18111 874509	44166	82256	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2862 148871	6627 299370	11651 602518	30973	55160	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	1657 103801	3842 220145	7479 455450	19414	39815	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	2769 129430	5795 253639	11206 558902	28004	50121	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2619 130441	5754 236029	10872 572519	29040	50899	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Lin1	+++++ 310230	17361 620652	34347 1390279	67789	133188	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5566 273019	12048 547845	21763 1147091	55936	104733	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 425982	20508 840768	37116 1812386	92245	165712	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	6163 237051	11693 463831	19826 958106	51792	90950	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Lin1	28681 938335	43785 1885855	90306 3972333	200917	394045	2.50 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Lin1	+++++ 150280	8614 300933	13385 620020	32149	58006	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3401 192031	9314 396801	16252 1098630	42415	64572	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	11157 506501	21792 1039341	41031 2062774	101985	181985	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3080 141730	6509 288642	11642 614971	29697	54943	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	23076 945054	41472 1908286	79712 3728820	194670	367274	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4580 178011	8657 328378	16202 829012	42144	67260	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5732 264476	11336 532908	20777 1110512	54669	101835	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	13302 630952	26341 1249280	46256 2535277	119344	231443	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3696 153923	7567 298205	13437 613874	32229	59932	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3248 160337	6988 319408	12829 666272	32248	61492	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	15476 598155	26043 1199988	52601 2500285	125243	230640	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1515 88230	3637 179525	6515 377152	17657	33587	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	4088 171220	7584 350486	15864 766506	37311	67351	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 248301	11002 495630	20417 1024732	51487	94062	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4428 208308	9303 413659	16426 894793	44200	80243	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5509 233083	10836 438602	20379 1050102	52588	92026	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4002 184633	8103 378466	14200 859375	38134	69906	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4171 189616	8201 372314	15660 829269	39724	72231	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Lin	+++++ 272585	12245 571140	36572 1404480	58939	127216	+++++ 625	25.0 1250	50.0 2500	125	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	12760 546579	24085 1101542	44596 2286496	114755	206968	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	5164 213449	9403 430705	17184 885652	43212	81349	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 183309	9332 359503	16323 812118	39665	65492	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	+++++ 141690	6321 283422	11411 605890	29094	53170	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4963 210473	9848 394282	17795 955750	47155	80787	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3007 136064	5746 275659	10305 589274	27259	50044	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Ave	+++++ 35896	786 69345	2614 167058	5411	11080	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	1793 96922	3897 198834	7446 419242	19346	35647	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	3731 182692	7243 379283	13041 808655	34963	66085	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1959 103525	3306 210122	7108 474820	19331	35539	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	4512 223916	8015 460842	15921 997276	41117	78198	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 1175290	49275 2234365	98391 4006384	244222	449694	+++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	7367 333483	13923 673099	26510 1457756	66858	123431	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	3779 201692	6571 416935	13618 929011	36750	67856	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4295 208111	7369 413143	15246 905055	39374	72047	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	2133 104221	3936 209436	7639 458334	20005	36252	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 149898	6020 295846	11369 677285	30823	54784	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	4519 215754	7951 435107	16040 963970	40890	75287	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 833525	33987 1553268	71090 2924951	179522	310440	+++++ 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	2651 154847	5129 332115	9789 736803	26818	51892	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	2850 141866	5052 286381	10029 643219	26411	49440	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	+++++ 373065	14656 750227	29122 1610972	73342	134596	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	13527 600942	24494 1179073	47668 2428329	122927	220315	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	2978 150474	5737 313732	10324 676211	28123	52909	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	5374 254878	10102 510744	19669 1119110	50206	90580	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	5386 262801	10711 530374	19759 1134632	51836	94984	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	8885 421935	15833 847535	31544 1816317	82932	149278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	1862 105454	3411 226369	6216 523367	17063	33710	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	14108 646901	26073 1283239	51186 2614643	131319	239654	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	3794 173294	6790 350279	13573 768776	34783	62368	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4257 203598	7875 412695	15412 873686	40187	75264	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1427 73394	2770 146416	5713 317839	14380	25978	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1205 66644	2220 129818	4822 289930	12759	22692	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	15564 712467	29809 1373350	55840 2790533	146122	260442	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	3186 158609	6247 322847	11802 701612	31350	57027	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	12022 560028	22311 1117462	42634 2261409	111242	204521	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	3624 161115	6268 331452	13016 732729	31671	57197	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	2390 128950	4768 262279	9419 572209	25908	45757	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	12084 576829	22993 1152262	44875 2323370	115587	213165	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	14195 664502	26844 1295129	50762 2663400	135586	242792	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	12808 611158	24472 1205952	46725 2444225	123469	221801	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	7420 329129	13953 663176	26057 1422448	66529	118828	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 339962	13867 682777	26989 1449637	67678	122587	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	10426 482034	20449 933777	37628 1954732	98439	175987	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	7623 329582	13608 670932	26152 1405626	65669	121822	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	889 52130	1791 108235	3839 221829	9272	18710	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5183 239583	10257 483190	18965 904936	47136	90708	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	1836 86458	4089 168135	7151 334114	18519	32272	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	17140 801224	32438 1592493	64784 2792019	156675	308771	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	5188 228038	9377 465845	18884 852260	44780	87757	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	120753 122543	117559 125473	117743 130679	119900	119198	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	72254 71768	70159 73928	70214 76538	70315	70251	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	380319 405992	357965 415453	373536 454372	384940	378660	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	130731 136276	118323 139814	125640 154418	128536	125183	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Oct-2015 19:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0047687-005
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:40 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:02:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	86746	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	162189	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	94	187172	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	94	120753	25.0	25.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.892	4.893	-0.001	0	72254	25.0	26.2	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	380319	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	130731	25.0	25.1	
10 Dichlorodifluoromethane	85	1.455	1.462	-0.007	85	3063	0.5000	0.5192	
12 Chloromethane	50	1.595	1.602	-0.007	96	4683	0.5000	0.6928	
144 Butadiene	54	1.729	1.723	0.006	89	3834	0.5000	0.6097	
13 Vinyl chloride	62	1.723	1.729	-0.006	84	3706	0.5000	0.5661	
14 Bromomethane	94	2.027	2.015	0.012	80	2483	0.5000	0.5905	
15 Chloroethane	64	2.118	2.113	0.005	1	2071	0.5000	0.5098	
16 Dichlorofluoromethane	67	2.319	2.326	-0.007	93	7946	0.5000	0.7786	
17 Trichlorofluoromethane	101	2.337	2.362	-0.025	46	5028	0.5000	0.5867	
18 Ethyl ether	59	2.599	2.587	0.012	93	2862	0.5000	0.4978	
20 Acrolein	56	2.757	2.745	0.012	37	1657	2.50	2.18	
22 1,1-Dichloroethene	96	2.788	2.794	-0.006	93	2769	0.5000	0.5311	
21 1,1,2-Trichloro-1,2,2-trif	101	2.830	2.824	0.006	67	2619	0.5000	0.5072	
23 Acetone	43	2.903	2.891	0.012	66	11424	2.50	0.8263	
25 Iodomethane	142	2.934	2.934	0.000	94	5566	0.5000	0.5204	
26 Carbon disulfide	76	2.982	2.976	0.006	99	11115	0.5000	0.6450	
28 3-Chloro-1-propene	41	3.128	3.122	0.006	88	6163	0.5000	0.6255	
27 Methyl acetate	43	3.165	3.159	0.006	99	28681	2.50	1.83	M
30 Methylene Chloride	84	3.244	3.244	0.000	93	4590	0.5000	0.0738	
31 2-Methyl-2-propanol	59	3.396	3.378	0.018	91	3401	5.00	4.34	
32 Methyl tert-butyl ether	73	3.451	3.445	0.006	98	11157	0.5000	0.5633	
34 trans-1,2-Dichloroethene	96	3.463	3.457	0.006	95	3080	0.5000	0.5397	
33 Acrylonitrile	53	3.481	3.481	0.000	98	23076	5.00	6.06	
35 Hexane	57	3.645	3.640	0.005	92	4580	0.5000	0.6039	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	92	5732	0.5000	0.5508	
37 Vinyl acetate	43	3.846	3.846	0.000	97	13302	1.00	1.12	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	77	3696	0.5000	0.5854	
45 cis-1,2-Dichloroethene	96	4.272	4.266	0.006	83	3248	0.5000	0.5205	
43 2-Butanone (MEK)	43	4.290	4.284	0.006	99	15476	2.50	3.15	
48 Chlorobromomethane	128	4.461	4.461	0.000	92	1515	0.5000	0.4565	
49 Tetrahydrofuran	42	4.491	4.479	0.012	88	4088	1.00	1.15	
50 Chloroform	83	4.521	4.516	0.005	93	6133	0.5000	0.6326	
51 1,1,1-Trichloroethane	97	4.637	4.631	0.006	35	4428	0.5000	0.5360	
52 Cyclohexane	56	4.655	4.656	-0.001	92	5509	0.5000	0.5702	
55 Carbon tetrachloride	117	4.753	4.747	0.006	81	4002	0.5000	0.5443	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	91	4171	0.5000	0.5527	
53 Isobutyl alcohol	43	4.886	4.875	0.011	31	10057	12.5	19.2	
57 Benzene	78	4.917	4.911	0.006	94	12760	0.5000	0.5823	
58 1,2-Dichloroethane	62	4.947	4.948	-0.001	95	5164	0.5000	0.6041	
59 n-Heptane	43	5.057	5.057	0.000	88	5046	0.5000	0.6763	
62 Trichloroethene	95	5.391	5.392	-0.001	94	3320	0.5000	0.6002	
64 Methylcyclohexane	83	5.501	5.507	-0.006	89	4963	0.5000	0.5732	
65 1,2-Dichloropropane	63	5.574	5.568	0.006	88	3007	0.5000	0.5670	
66 1,4-Dioxane	88		5.671				ND	ND	
67 Dibromomethane	93	5.677	5.678	-0.001	92	1793	0.5000	0.4879	
68 Dichlorobromomethane	83	5.787	5.787	0.000	95	3731	0.5000	0.5394	
69 2-Chloroethyl vinyl ether	63	5.987	5.988	-0.001	84	1959	0.5000	0.5253	
77 trans-1,3-Dichloropropene	75	6.109	6.103	0.006	93	4512	0.5000	0.5292	
73 4-Methyl-2-pentanone (MIBK	43	6.206	6.201	0.005	97	28529	2.50	3.10	
74 Toluene	92	6.340	6.341	-0.001	97	7367	0.5000	0.5464	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	95	3779	0.5000	0.5219	
75 Ethyl methacrylate	69	6.559	6.560	-0.001	91	4295	0.5000	0.5417	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	86	2133	0.5000	0.5305	
81 Tetrachloroethene	166	6.754	6.754	0.000	95	3576	0.5000	0.6037	
82 1,3-Dichloropropane	76	6.797	6.803	-0.006	89	4519	0.5000	0.5414	
80 2-Hexanone	43	6.839	6.833	0.006	98	20663	2.50	3.17	
83 Chlorodibromomethane	129	6.985	6.985	0.000	82	2651	0.5000	0.4687	
84 Ethylene Dibromide	107	7.070	7.071	-0.001	96	2850	0.5000	0.5279	
87 Chlorobenzene	112	7.435	7.430	0.005	96	8699	0.5000	0.5969	
89 1,1,1,2-Tetrachloroethane	131	7.502	7.497	0.006	44	2978	0.5000	0.5159	
88 Ethylbenzene	91	7.496	7.497	0.000	97	13527	0.5000	0.5633	
90 m-Xylene & p-Xylene	106	7.587	7.588	-0.001	0	5374	0.5000	0.5345	
91 o-Xylene	106	7.904	7.904	0.000	95	5386	0.5000	0.5206	
92 Styrene	104	7.922	7.922	0.000	92	8885	0.5000	0.5416	
95 Bromoform	173	8.111	8.111	0.000	88	1862	0.5000	0.4903	
94 Isopropylbenzene	105	8.190	8.190	0.000	94	14108	0.5000	0.5506	
101 Bromobenzene	156	8.470	8.470	0.000	87	3794	0.5000	0.5508	
97 1,1,2,2-Tetrachloroethane	83	8.476	8.470	0.006	86	4257	0.5000	0.5339	
100 1,2,3-Trichloropropane	110	8.506	8.512	-0.006	87	1427	0.5000	0.5045	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.512	0.000	71	1205	0.5000	0.4904	
99 N-Propylbenzene	91	8.518	8.519	-0.001	98	15564	0.5000	0.5531	
103 2-Chlorotoluene	126	8.616	8.610	0.006	96	3186	0.5000	0.5150	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	95	12022	0.5000	0.5489	
105 4-Chlorotoluene	126	8.695	8.701	-0.006	95	3624	0.5000	0.5616	
106 tert-Butylbenzene	134	8.926	8.926	0.000	91	2390	0.5000	0.4847	
107 1,2,4-Trimethylbenzene	105	8.968	8.969	-0.001	96	12084	0.5000	0.5346	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.103	-0.001	93	14195	0.5000	0.5453	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	12808	0.5000	0.5374	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	97	7420	0.5000	0.5593	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	94	7998	0.5000	0.6000	
115 n-Butylbenzene	91	9.558	9.559	-0.001	96	10426	0.5000	0.5456	
116 1,2-Dichlorobenzene	146	9.613	9.614	-0.001	96	7623	0.5000	0.5733	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.271	-0.001	82	889	0.5000	0.4617	
119 1,2,4-Trichlorobenzene	180	10.933	10.934	-0.001	92	5183	0.5000	0.5457	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	87	1836	0.5000	0.5222	
121 Naphthalene	128	11.140	11.134	0.006	96	17140	0.5000	0.5478	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	93	5188	0.5000	0.5685	
S 125 1,2-Dichloroethene, Total	1				0			1.06	
S 126 1,3-Dichloropropene, Total	1				0			1.05	
S 123 Total BTEX	1				0			2.75	
S 124 Xylenes, Total	1				0			1.06	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	0.50	Units: uL	
GAS CORP mix_00116	Amount Added:	0.50	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

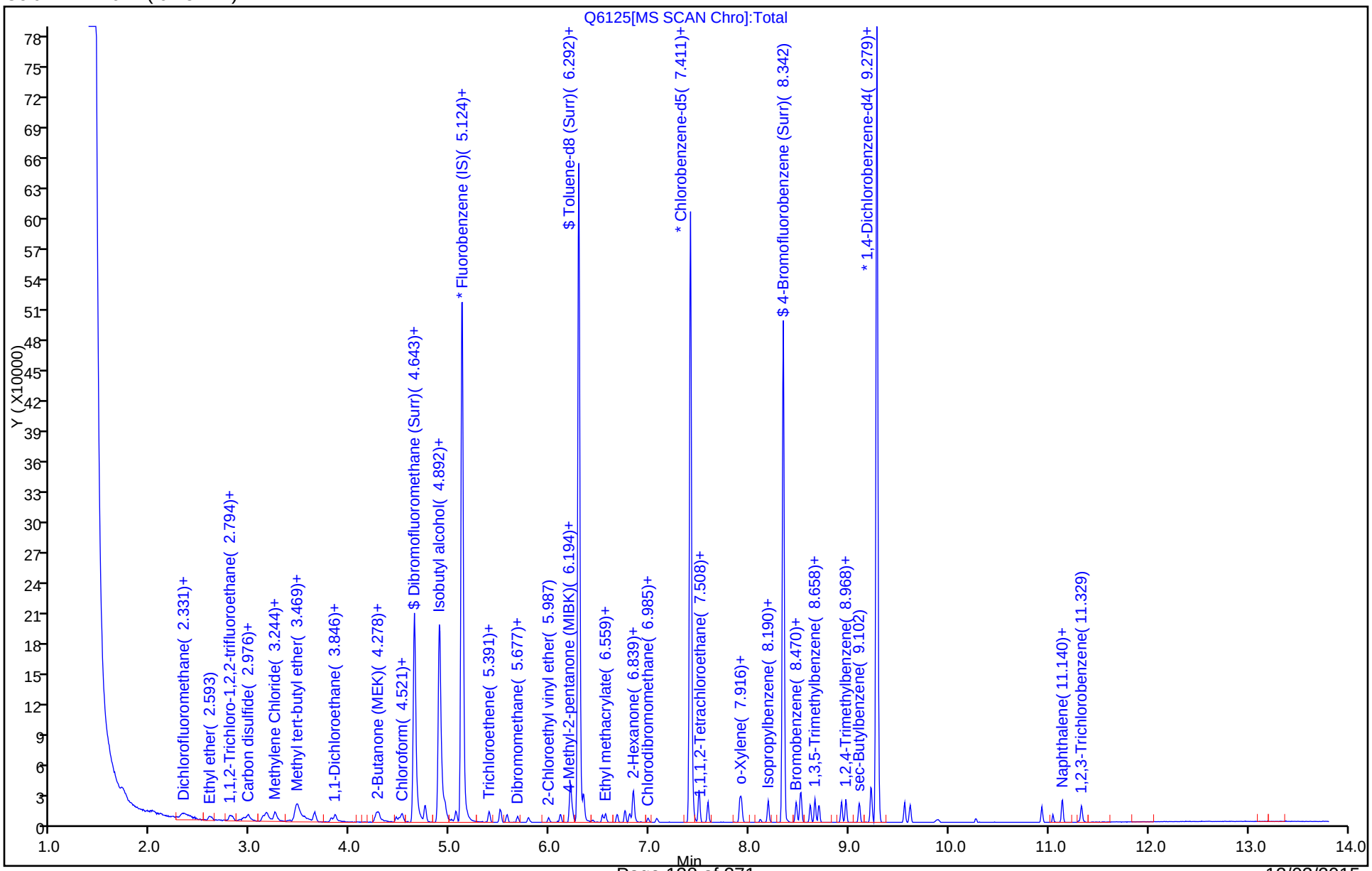
Report Date: 27-Oct-2015 21:05:41 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D

Injection Date:	26-Oct-2015 19:12:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

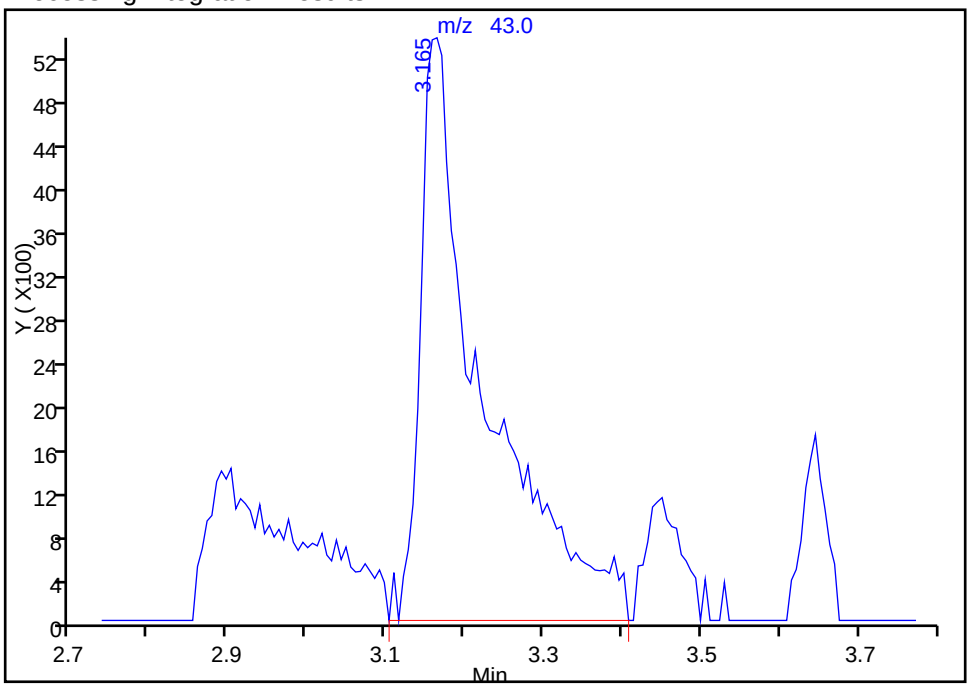
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D
Injection Date: 26-Oct-2015 19:12:30 Instrument ID: HP5973Q
Lims ID: IC
Client ID:
Operator ID: JG ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

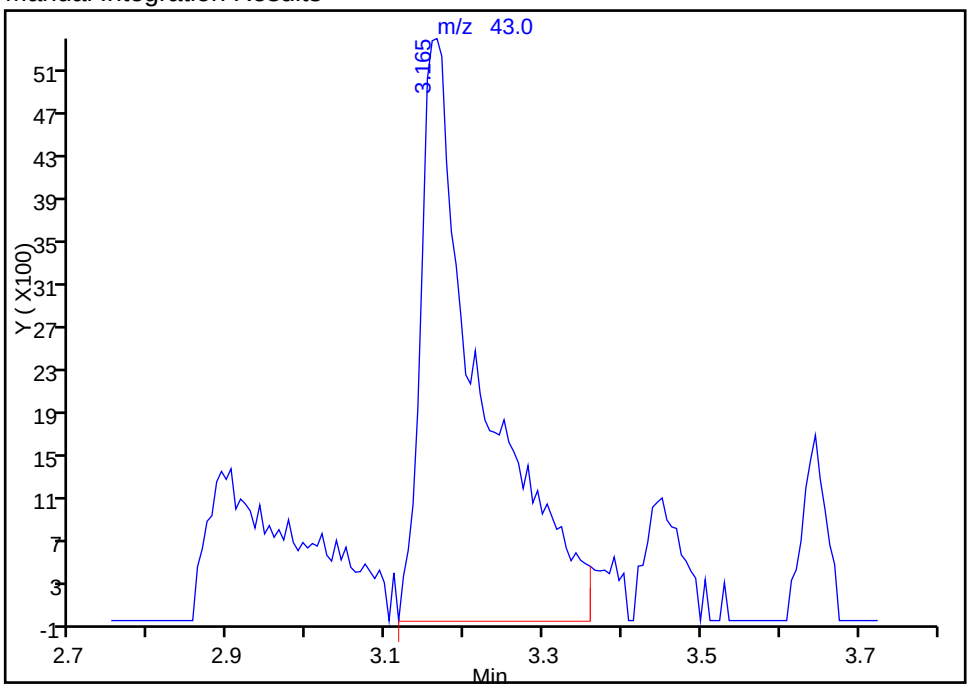
Processing Integration Results

RT: 3.16
Area: 29930
Amount: 1.918107
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 28681
Amount: 1.832530
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:41:04
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

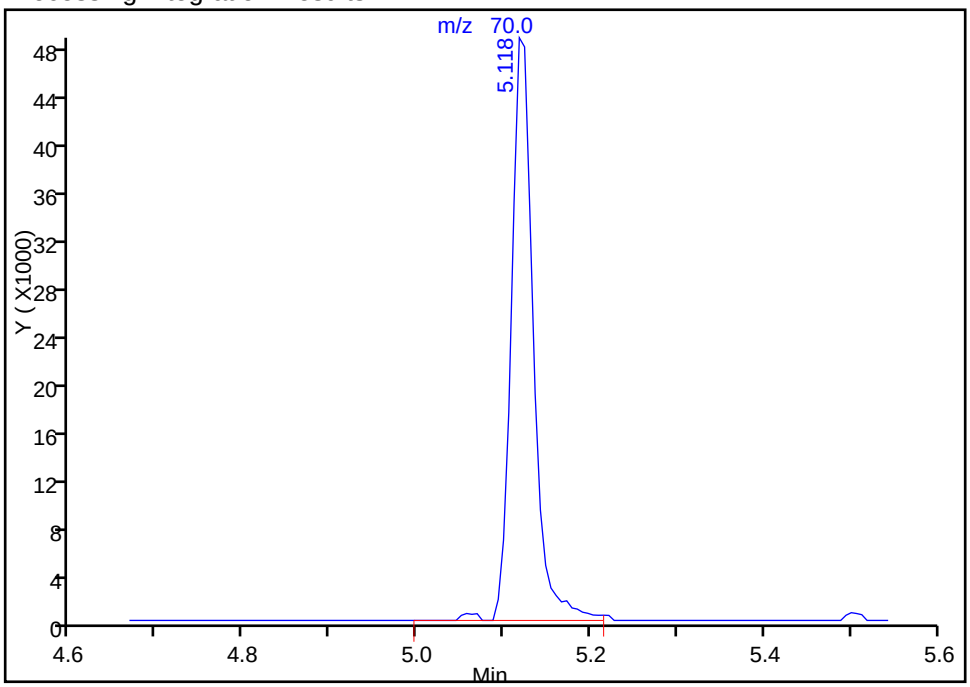
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D
Injection Date: 26-Oct-2015 19:12:30 Instrument ID: HP5973Q
Lims ID: IC
Client ID:
Operator ID: JG ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

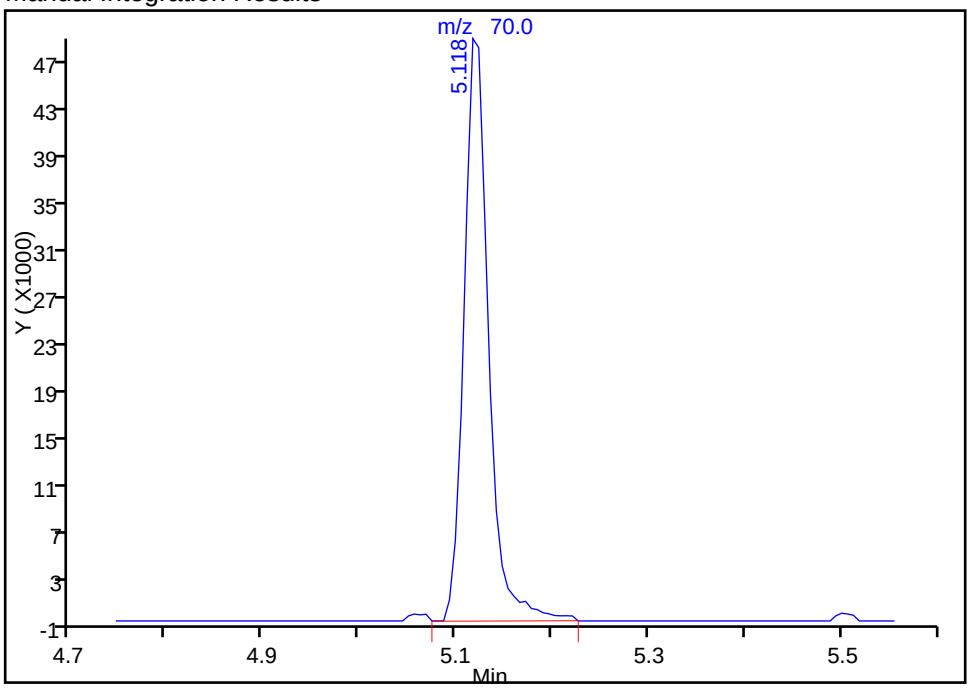
Processing Integration Results

RT: 5.12
Area: 87343
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 86746
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:27:24
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Oct-2015 19:38:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0047687-006
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:44 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:03:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	83763	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.412	7.411	0.001	92	148285	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	94	174399	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.643	0.001	96	117559	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	70159	25.0	26.3	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	357965	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	118323	25.0	24.8	
10 Dichlorodifluoromethane	85	1.456	1.462	-0.006	95	6332	1.00	1.11	
12 Chloromethane	50	1.596	1.602	-0.006	96	8198	1.00	1.26	
144 Butadiene	54	1.724	1.723	0.001	93	7134	1.00	1.17	
13 Vinyl chloride	62	1.717	1.729	-0.012	90	6877	1.00	1.09	
14 Bromomethane	94	2.009	2.015	-0.006	62	4599	1.00	1.13	
15 Chloroethane	64	2.119	2.113	0.006	92	4590	1.00	1.17	
16 Dichlorofluoromethane	67	2.320	2.326	-0.006	95	12629	1.00	1.28	
17 Trichlorofluoromethane	101	2.350	2.362	-0.012	90	9604	1.00	1.16	
18 Ethyl ether	59	2.587	2.587	0.000	77	6627	1.00	1.19	
20 Acrolein	56	2.752	2.745	0.007	67	3842	5.00	5.23	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	97	5795	1.00	1.15	
21 1,1,2-Trichloro-1,2,2-trif	101	2.819	2.824	-0.005	77	5754	1.00	1.15	
23 Acetone	43	2.892	2.891	0.001	100	17361	5.00	3.76	M
25 Iodomethane	142	2.934	2.934	0.000	99	12048	1.00	1.17	
26 Carbon disulfide	76	2.977	2.976	0.001	99	20508	1.00	1.23	
28 3-Chloro-1-propene	41	3.123	3.122	0.001	90	11693	1.00	1.23	
27 Methyl acetate	43	3.165	3.159	0.006	98	43785	5.00	4.35	M
30 Methylene Chloride	84	3.244	3.244	0.000	93	8614	1.00	0.9147	
31 2-Methyl-2-propanol	59	3.384	3.378	0.006	98	9314	10.0	12.3	
32 Methyl tert-butyl ether	73	3.445	3.445	0.000	96	21792	1.00	1.14	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	96	6509	1.00	1.18	
33 Acrylonitrile	53	3.482	3.481	0.001	99	41472	10.0	11.3	
35 Hexane	57	3.646	3.640	0.006	93	8657	1.00	1.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	96	11336	1.00	1.13	
37 Vinyl acetate	43	3.847	3.846	0.001	98	26341	2.00	2.29	
44 2,2-Dichloropropane	77	4.254	4.248	0.006	88	7567	1.00	1.24	
45 cis-1,2-Dichloroethene	96	4.266	4.266	0.000	80	6988	1.00	1.16	
43 2-Butanone (MEK)	43	4.291	4.284	0.007	100	26043	5.00	5.49	
48 Chlorobromomethane	128	4.461	4.461	0.000	91	3637	1.00	1.13	
49 Tetrahydrofuran	42	4.492	4.479	0.013	83	7584	2.00	2.20	
50 Chloroform	83	4.516	4.516	0.000	94	11002	1.00	1.18	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	97	9303	1.00	1.17	
52 Cyclohexane	56	4.650	4.656	-0.006	90	10836	1.00	1.16	
55 Carbon tetrachloride	117	4.747	4.747	0.000	95	8103	1.00	1.14	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	93	8201	1.00	1.13	
53 Isobutyl alcohol	43	4.875	4.875	0.000	95	12245	25.0	25.2	
57 Benzene	78	4.911	4.911	0.000	95	24085	1.00	1.14	
58 1,2-Dichloroethane	62	4.948	4.948	0.000	96	9403	1.00	1.14	
59 n-Heptane	43	5.063	5.057	0.006	95	9332	1.00	1.30	
62 Trichloroethene	95	5.392	5.392	0.000	95	6321	1.00	1.18	
64 Methylcyclohexane	83	5.501	5.507	-0.006	91	9848	1.00	1.18	
65 1,2-Dichloropropane	63	5.574	5.568	0.006	94	5746	1.00	1.12	
66 1,4-Dioxane	88	5.678	5.671	0.007	0	786	20.0	14.1	M
67 Dibromomethane	93	5.678	5.678	0.000	91	3897	1.00	1.10	
68 Dichlorobromomethane	83	5.787	5.787	0.000	97	7243	1.00	1.08	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	88	3306	1.00	0.9180	
77 trans-1,3-Dichloropropene	75	6.110	6.103	0.007	95	8015	1.00	1.03	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.201	0.006	97	49275	5.00	5.86	
74 Toluene	92	6.341	6.341	0.000	98	13923	1.00	1.13	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	95	6571	1.00	0.9399	
75 Ethyl methacrylate	69	6.560	6.560	0.000	90	7369	1.00	1.02	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	90	3936	1.00	1.07	
81 Tetrachloroethene	166	6.755	6.754	0.001	97	6020	1.00	1.11	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	89	7951	1.00	1.04	
80 2-Hexanone	43	6.834	6.833	0.001	96	33987	5.00	5.69	
83 Chlorodibromomethane	129	6.986	6.985	0.001	88	5129	1.00	0.99	
84 Ethylene Dibromide	107	7.071	7.071	0.000	97	5052	1.00	1.02	
87 Chlorobenzene	112	7.430	7.430	0.000	96	14656	1.00	1.10	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.497	0.001	46	5737	1.00	1.09	
88 Ethylbenzene	91	7.497	7.497	0.001	98	24494	1.00	1.12	
90 m-Xylene & p-Xylene	106	7.582	7.588	-0.006	0	10102	1.00	1.10	
91 o-Xylene	106	7.904	7.904	0.000	95	10711	1.00	1.13	
92 Styrene	104	7.923	7.922	0.001	94	15833	1.00	1.06	
95 Bromoform	173	8.111	8.111	0.000	93	3411	1.00	0.9824	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	26073	1.00	1.09	
101 Bromobenzene	156	8.470	8.470	0.000	95	6790	1.00	1.06	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	94	7875	1.00	1.06	
100 1,2,3-Trichloropropane	110	8.507	8.512	-0.005	89	2770	1.00	1.05	
98 trans-1,4-Dichloro-2-buten	53	8.507	8.512	-0.005	72	2220	1.00	0.9696	
99 N-Propylbenzene	91	8.519	8.519	0.000	99	29809	1.00	1.14	
103 2-Chlorotoluene	126	8.610	8.610	0.000	97	6247	1.00	1.08	
102 1,3,5-Trimethylbenzene	105	8.659	8.658	0.001	94	22311	1.00	1.09	
105 4-Chlorotoluene	126	8.695	8.701	-0.006	97	6268	1.00	1.04	
106 tert-Butylbenzene	134	8.926	8.926	0.000	91	4768	1.00	1.04	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	96	22993	1.00	1.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.103	9.103	0.000	93	26844	1.00	1.11	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	24472	1.00	1.10	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	13953	1.00	1.13	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	93	13867	1.00	1.12	
115 n-Butylbenzene	91	9.559	9.559	0.000	98	20449	1.00	1.15	
116 1,2-Dichlorobenzene	146	9.614	9.614	0.000	97	13608	1.00	1.10	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.271	0.000	82	1791	1.00	1.00	
119 1,2,4-Trichlorobenzene	180	10.934	10.934	0.000	94	10257	1.00	1.16	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	93	4089	1.00	1.25	
121 Naphthalene	128	11.135	11.134	0.001	97	32438	1.00	1.11	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	94	9377	1.00	1.10	
S 125 1,2-Dichloroethene, Total	1				0			2.34	
S 126 1,3-Dichloropropene, Total	1				0			1.97	
S 123 Total BTEX	1				0			5.61	
S 124 Xylenes, Total	1				0			2.23	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00116	Amount Added:	1.00	Units: uL	
8260 CORP mix_00056	Amount Added:	1.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

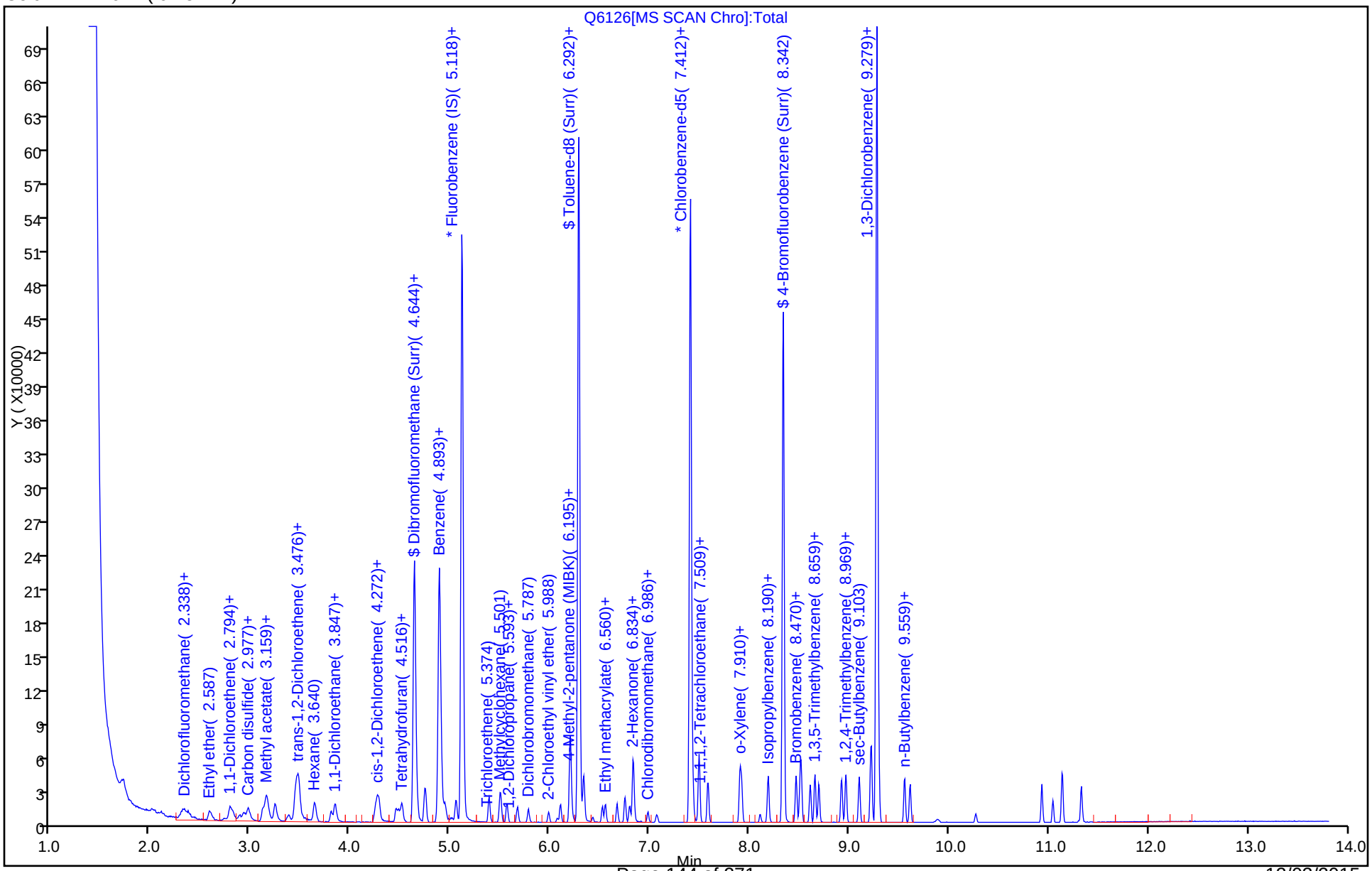
Report Date: 27-Oct-2015 21:05:44 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D

Injection Date:	26-Oct-2015 19:38:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

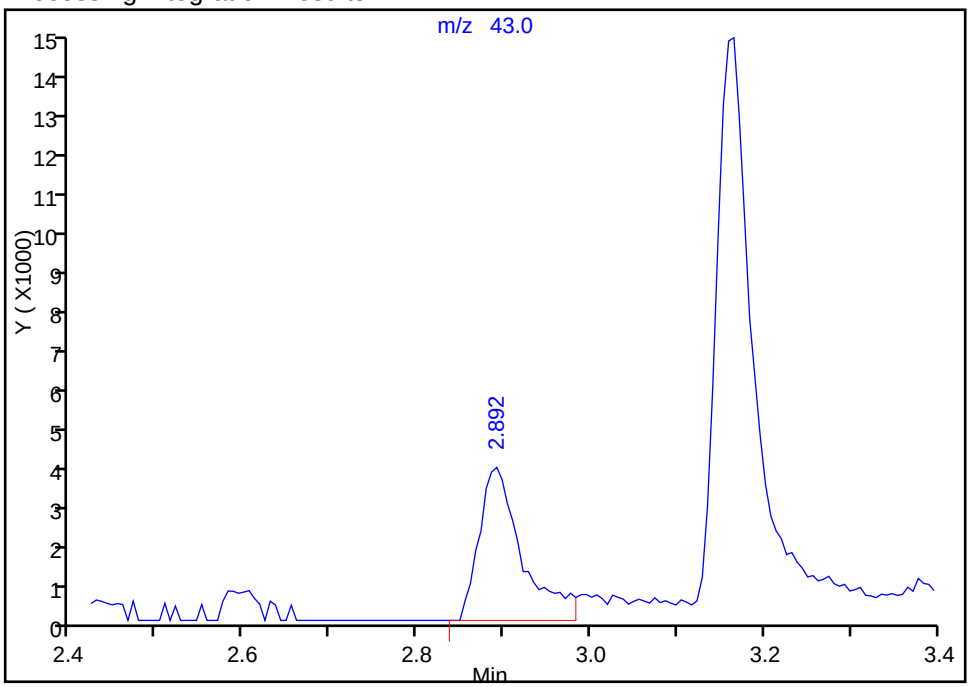
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

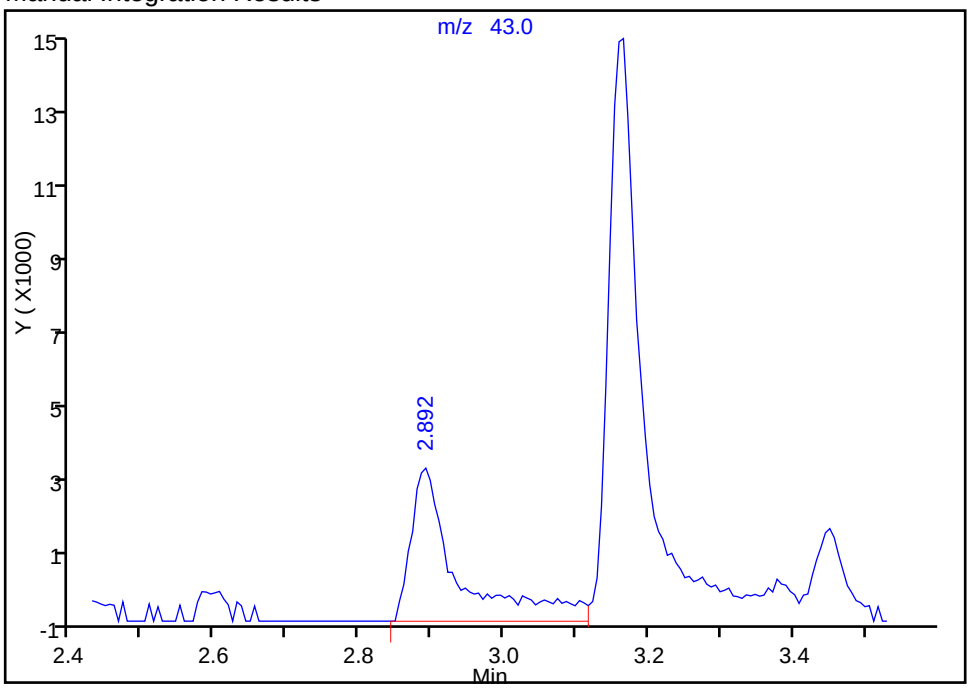
Processing Integration Results

RT: 2.89
Area: 13216
Amount: 5.220605
Amount Units: ug/L



Manual Integration Results

RT: 2.89
Area: 17361
Amount: 3.762597
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:38:09
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

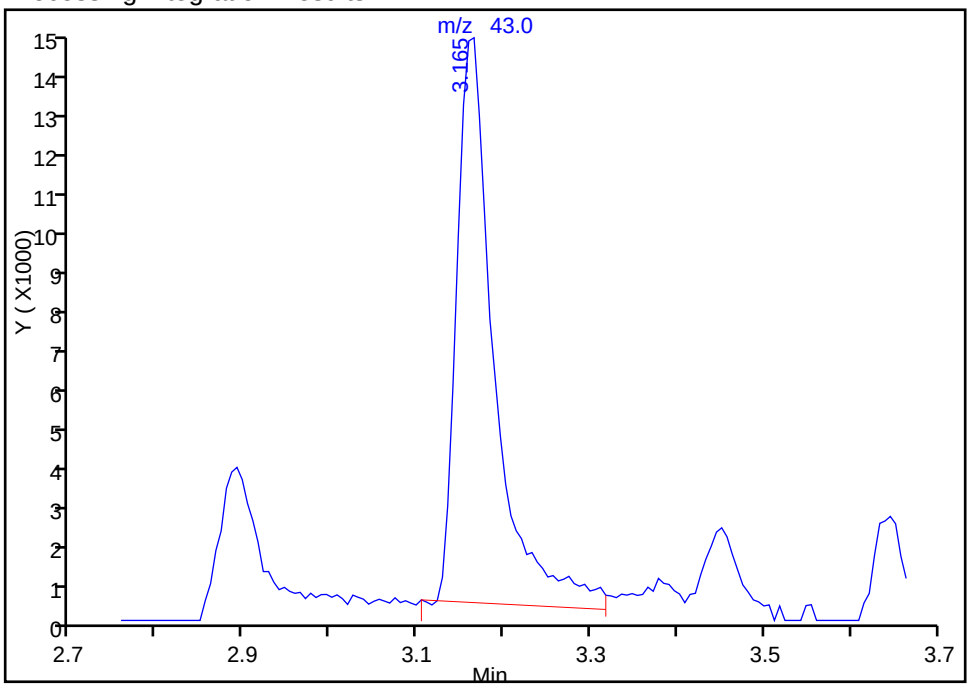
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

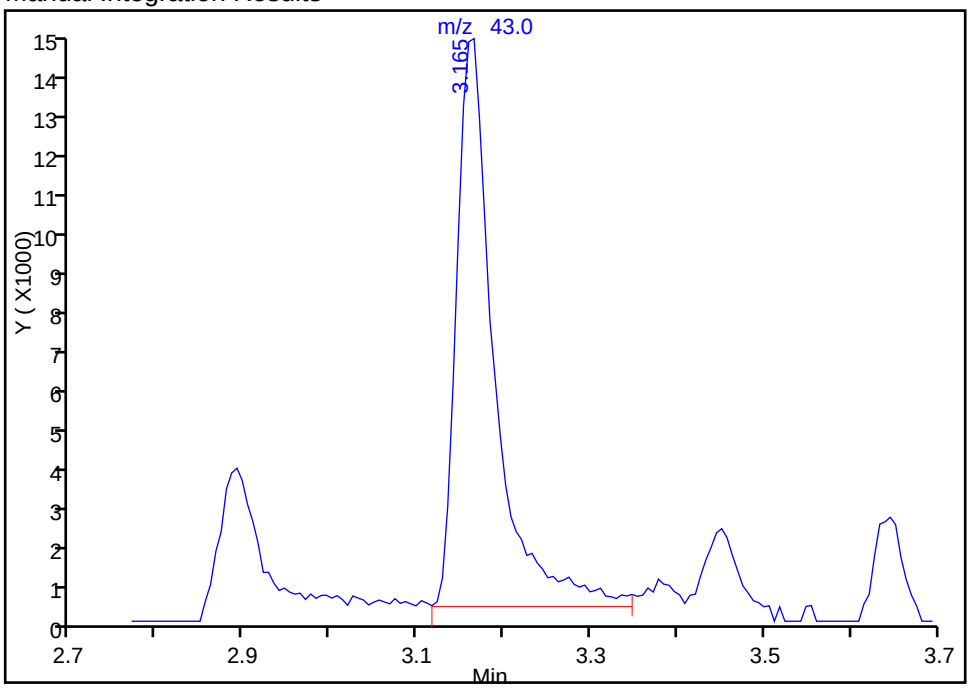
Processing Integration Results

RT: 3.17
Area: 43032
Amount: 4.162529
Amount Units: ug/L



Manual Integration Results

RT: 3.17
Area: 43785
Amount: 4.350721
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:40:35
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

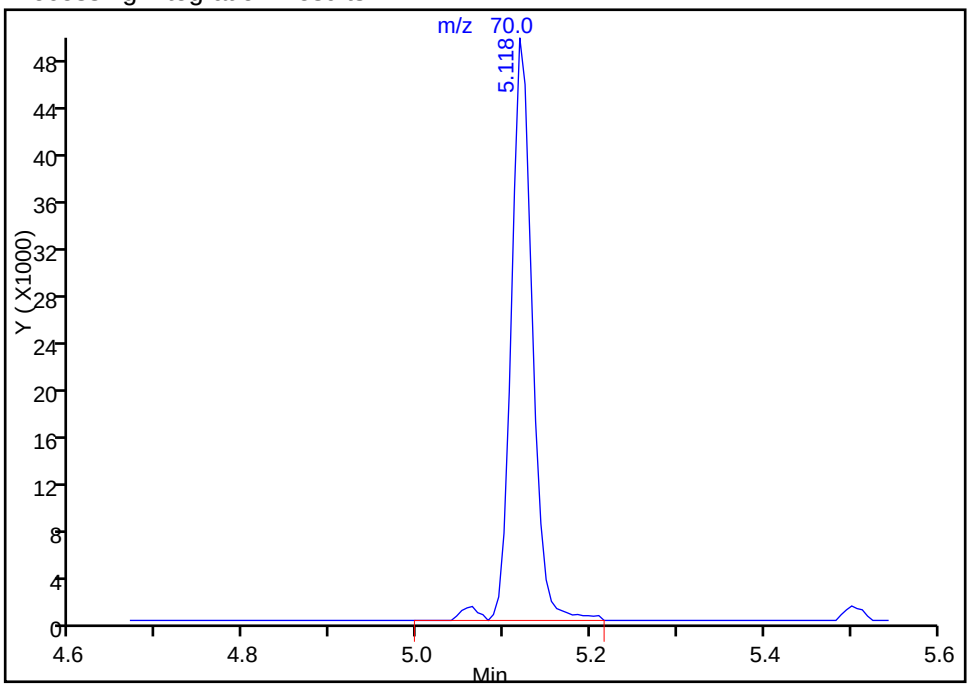
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

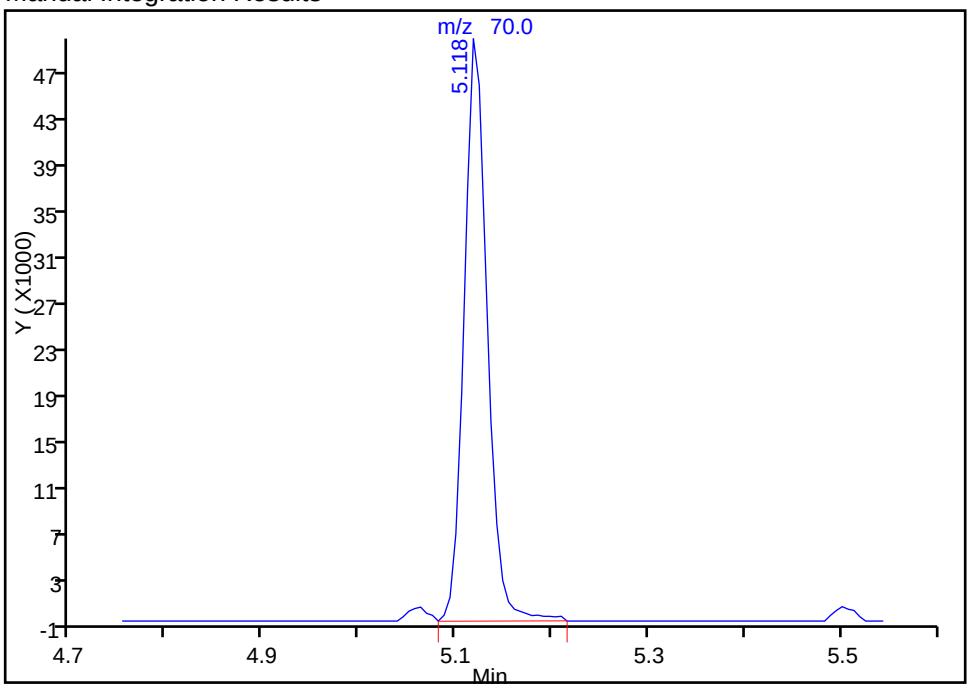
Processing Integration Results

RT: 5.12
Area: 85473
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 83763
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:29:26
Audit Action: Manually Integrated
Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

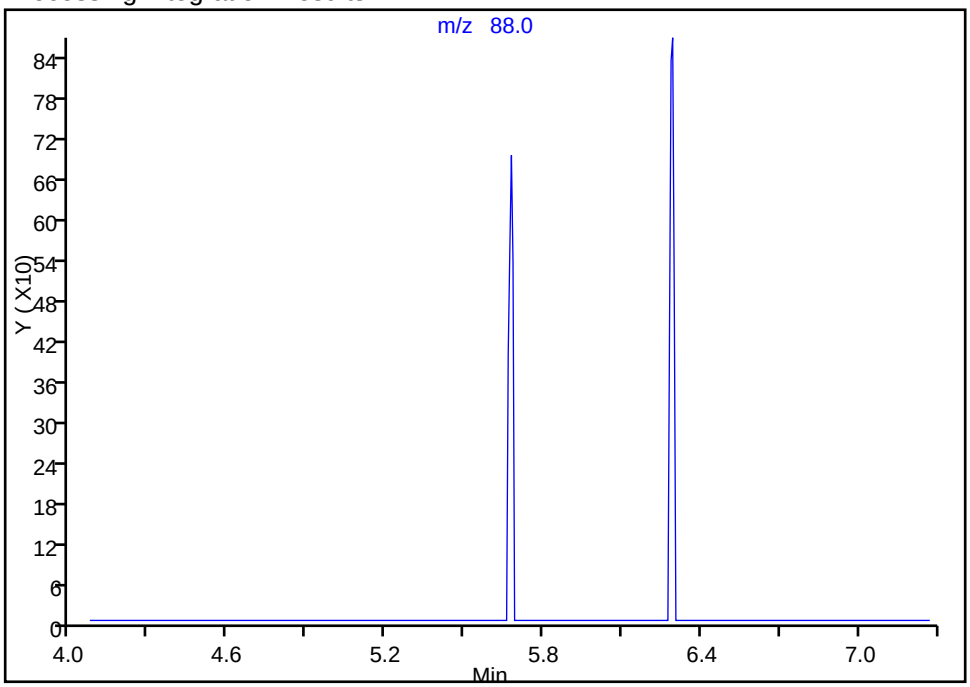
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

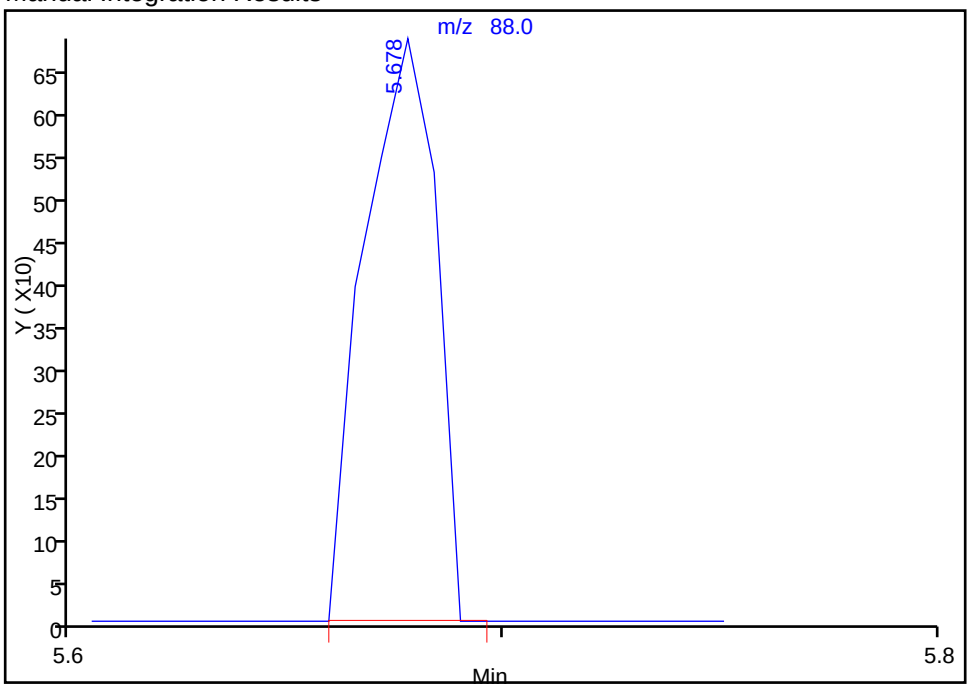
Not Detected
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.68
Area: 786
Amount: 14.060439
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:29:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Oct-2015 20:04:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0047687-007
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:48 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:06:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	88233	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	157137	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	94	181110	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	96	117743	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	70214	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	373536	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	125640	25.0	24.9	
10 Dichlorodifluoromethane	85	1.462	1.462	0.000	97	13040	2.00	2.17	
12 Chloromethane	50	1.590	1.602	-0.012	97	15129	2.00	2.20	
144 Butadiene	54	1.729	1.723	0.006	93	13988	2.00	2.19	
13 Vinyl chloride	62	1.723	1.729	-0.006	96	14212	2.00	2.13	
14 Bromomethane	94	2.028	2.015	0.013	90	8901	2.00	2.08	
15 Chloroethane	64	2.125	2.113	0.012	97	8486	2.00	2.05	
16 Dichlorofluoromethane	67	2.332	2.326	0.006	96	23072	2.00	2.22	
17 Trichlorofluoromethane	101	2.368	2.362	0.006	95	18111	2.00	2.08	
18 Ethyl ether	59	2.587	2.587	0.000	91	11651	2.00	1.99	
20 Acrolein	56	2.739	2.745	-0.006	97	7479	10.0	9.66	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	98	11206	2.00	2.11	
21 1,1,2-Trichloro-1,2,2-trif	101	2.818	2.824	-0.006	89	10872	2.00	2.07	
23 Acetone	43	2.898	2.891	0.007	99	34347	10.0	10.8	
25 Iodomethane	142	2.934	2.934	0.000	99	21763	2.00	2.00	
26 Carbon disulfide	76	2.977	2.976	0.001	99	37116	2.00	2.12	
28 3-Chloro-1-propene	41	3.123	3.122	0.001	90	19826	2.00	1.98	
27 Methyl acetate	43	3.165	3.159	0.006	98	90306	10.0	10.9	M
30 Methylene Chloride	84	3.250	3.244	0.006	96	13385	2.00	1.74	
31 2-Methyl-2-propanol	59	3.396	3.378	0.018	95	16252	20.0	20.4	
32 Methyl tert-butyl ether	73	3.451	3.445	0.006	95	41031	2.00	2.04	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	98	11642	2.00	2.01	
33 Acrylonitrile	53	3.482	3.481	0.001	98	79712	20.0	20.6	
35 Hexane	57	3.640	3.640	0.000	94	16202	2.00	2.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	96	20777	2.00	1.96	
37 Vinyl acetate	43	3.847	3.846	0.001	97	46256	4.00	3.81	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	89	13437	2.00	2.09	
45 cis-1,2-Dichloroethene	96	4.272	4.266	0.006	82	12829	2.00	2.02	
43 2-Butanone (MEK)	43	4.291	4.284	0.007	100	52601	10.0	10.5	
48 Chlorobromomethane	128	4.461	4.461	0.000	94	6515	2.00	1.93	
49 Tetrahydrofuran	42	4.491	4.479	0.012	88	15864	4.00	4.37	
50 Chloroform	83	4.522	4.516	0.006	95	20417	2.00	2.07	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	97	16426	2.00	1.95	
52 Cyclohexane	56	4.650	4.656	-0.006	93	20379	2.00	2.07	
55 Carbon tetrachloride	117	4.753	4.747	0.006	82	14200	2.00	1.90	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	93	15660	2.00	2.04	
53 Isobutyl alcohol	43	4.881	4.875	0.006	88	36572	50.0	78.1	
57 Benzene	78	4.911	4.911	0.000	96	44596	2.00	2.00	
58 1,2-Dichloroethane	62	4.948	4.948	0.000	97	17184	2.00	1.98	
59 n-Heptane	43	5.063	5.057	0.006	94	16323	2.00	2.15	
62 Trichloroethene	95	5.392	5.392	0.000	96	11411	2.00	2.03	
64 Methylcyclohexane	83	5.507	5.507	0.000	93	17795	2.00	2.02	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	93	10305	2.00	1.91	
66 1,4-Dioxane	88	5.672	5.671	0.001	1	2614	40.0	44.1	M
67 Dibromomethane	93	5.678	5.678	0.000	92	7446	2.00	1.99	
68 Dichlorobromomethane	83	5.787	5.787	0.000	97	13041	2.00	1.85	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	90	7108	2.00	1.87	
77 trans-1,3-Dichloropropene	75	6.110	6.103	0.007	95	15921	2.00	1.93	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.201	0.006	97	98391	10.0	11.0	
74 Toluene	92	6.341	6.341	0.000	98	26510	2.00	2.03	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	98	13618	2.00	1.85	
75 Ethyl methacrylate	69	6.560	6.560	0.000	93	15246	2.00	1.98	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	92	7639	2.00	1.96	
81 Tetrachloroethene	166	6.754	6.754	0.000	95	11369	2.00	1.98	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	88	16040	2.00	1.98	
80 2-Hexanone	43	6.834	6.833	0.001	97	71090	10.0	11.2	
83 Chlorodibromomethane	129	6.986	6.985	0.001	87	9789	2.00	1.79	
84 Ethylene Dibromide	107	7.077	7.071	0.006	99	10029	2.00	1.92	
87 Chlorobenzene	112	7.436	7.430	0.006	97	29122	2.00	2.06	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.497	0.001	45	10324	2.00	1.85	
88 Ethylbenzene	91	7.497	7.497	0.001	98	47668	2.00	2.05	
90 m-Xylene & p-Xylene	106	7.588	7.588	0.000	0	19669	2.00	2.02	
91 o-Xylene	106	7.910	7.904	0.006	96	19759	2.00	1.97	
92 Styrene	104	7.922	7.922	0.000	95	31544	2.00	1.98	
95 Bromoform	173	8.111	8.111	0.000	96	6216	2.00	1.69	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	51186	2.00	2.06	
101 Bromobenzene	156	8.470	8.470	0.000	94	13573	2.00	2.04	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	96	15412	2.00	2.00	
100 1,2,3-Trichloropropane	110	8.506	8.512	-0.006	88	5713	2.00	2.09	
98 trans-1,4-Dichloro-2-buten	53	8.506	8.512	-0.006	74	4822	2.00	2.03	
99 N-Propylbenzene	91	8.519	8.519	0.000	99	55840	2.00	2.05	
103 2-Chlorotoluene	126	8.616	8.610	0.006	96	11802	2.00	1.97	
102 1,3,5-Trimethylbenzene	105	8.659	8.658	0.001	95	42634	2.00	2.01	
105 4-Chlorotoluene	126	8.701	8.701	0.000	97	13016	2.00	2.08	
106 tert-Butylbenzene	134	8.926	8.926	0.000	92	9419	2.00	1.97	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	97	44875	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.103	9.103	0.000	94	50762	2.00	2.02	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	46725	2.00	2.03	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	26057	2.00	2.03	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	95	26989	2.00	2.09	
115 n-Butylbenzene	91	9.559	9.559	0.000	97	37628	2.00	2.03	
116 1,2-Dichlorobenzene	146	9.614	9.614	0.000	98	26152	2.00	2.03	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.271	0.000	84	3839	2.00	2.06	
119 1,2,4-Trichlorobenzene	180	10.934	10.934	0.000	93	18965	2.00	2.06	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	96	7151	2.00	2.10	
121 Naphthalene	128	11.141	11.134	0.007	97	64784	2.00	2.14	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	18884	2.00	2.14	
S 125 1,2-Dichloroethene, Total	1				0			4.03	
S 126 1,3-Dichloropropene, Total	1				0			3.78	
S 123 Total BTEX	1				0			10.1	
S 124 Xylenes, Total	1				0			3.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	2.00	Units: uL	
GAS CORP mix_00116	Amount Added:	2.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

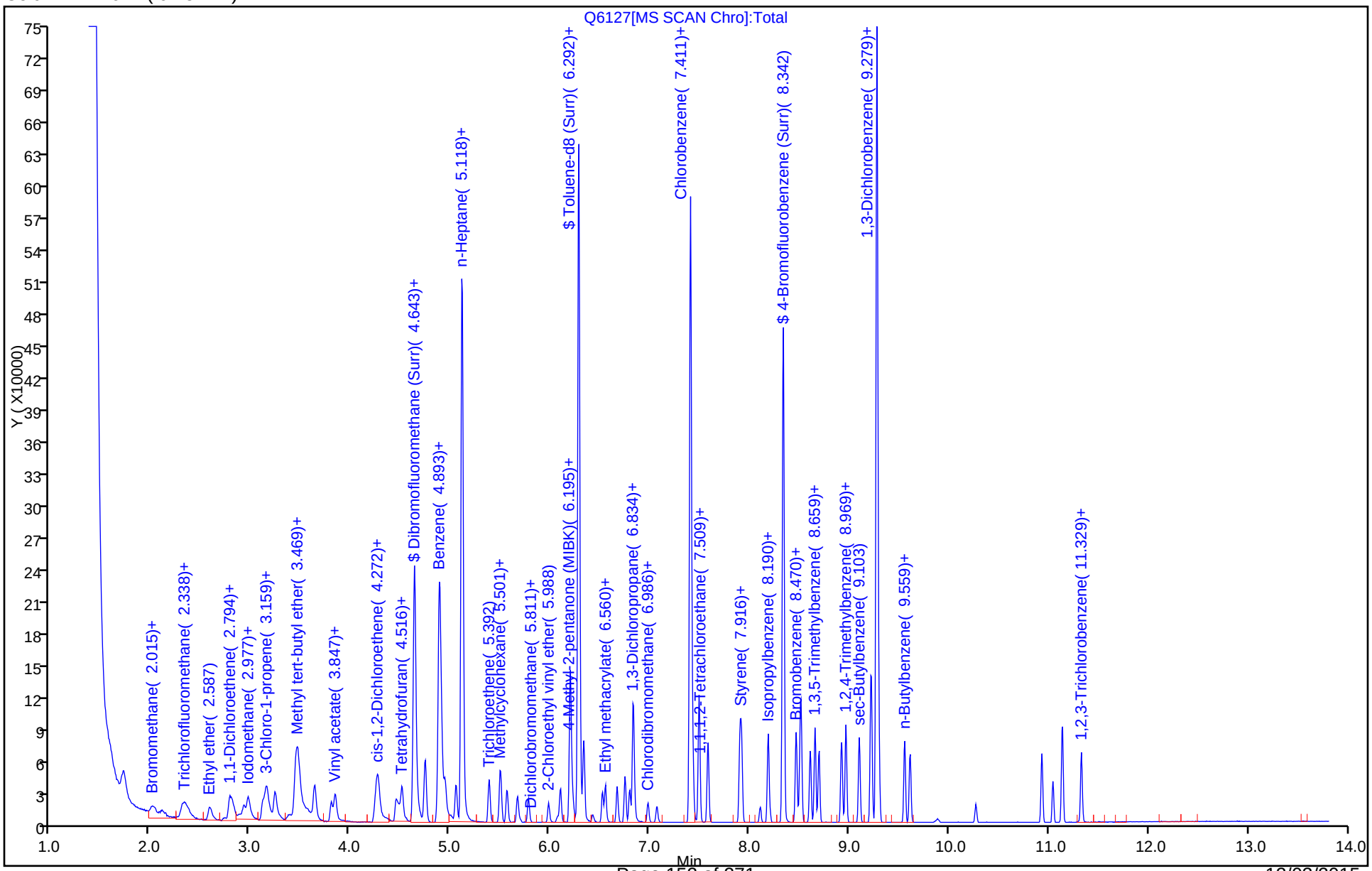
Report Date: 27-Oct-2015 21:05:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D

Injection Date:	26-Oct-2015 20:04:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

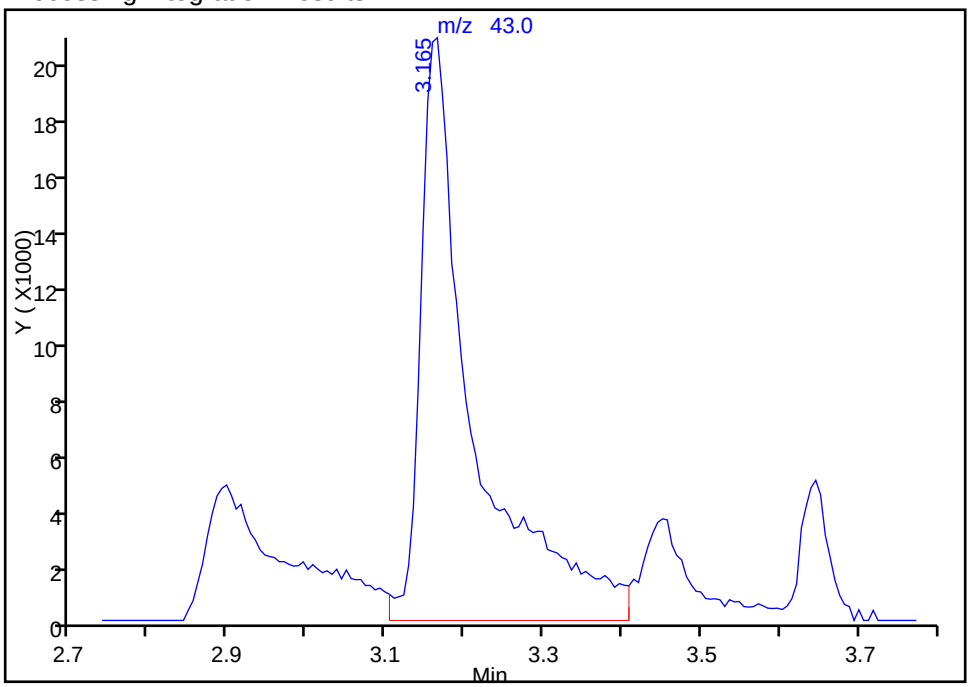
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D
Injection Date: 26-Oct-2015 20:04:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: JG ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

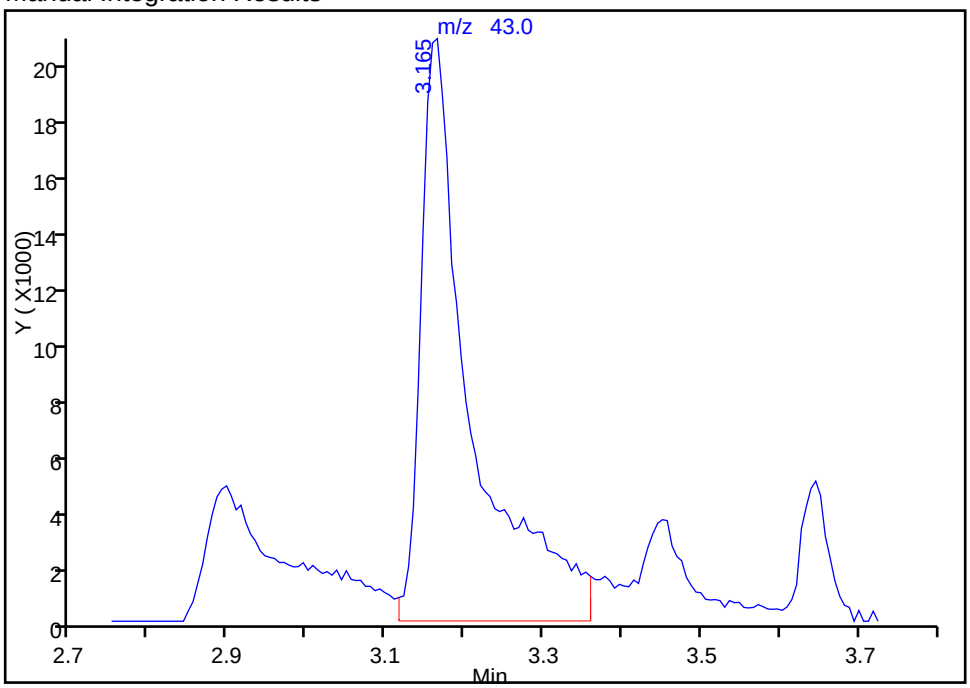
Processing Integration Results

RT: 3.17
Area: 95016
Amount: 11.458332
Amount Units: ug/L



Manual Integration Results

RT: 3.17
Area: 90306
Amount: 10.915429
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:40:09
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

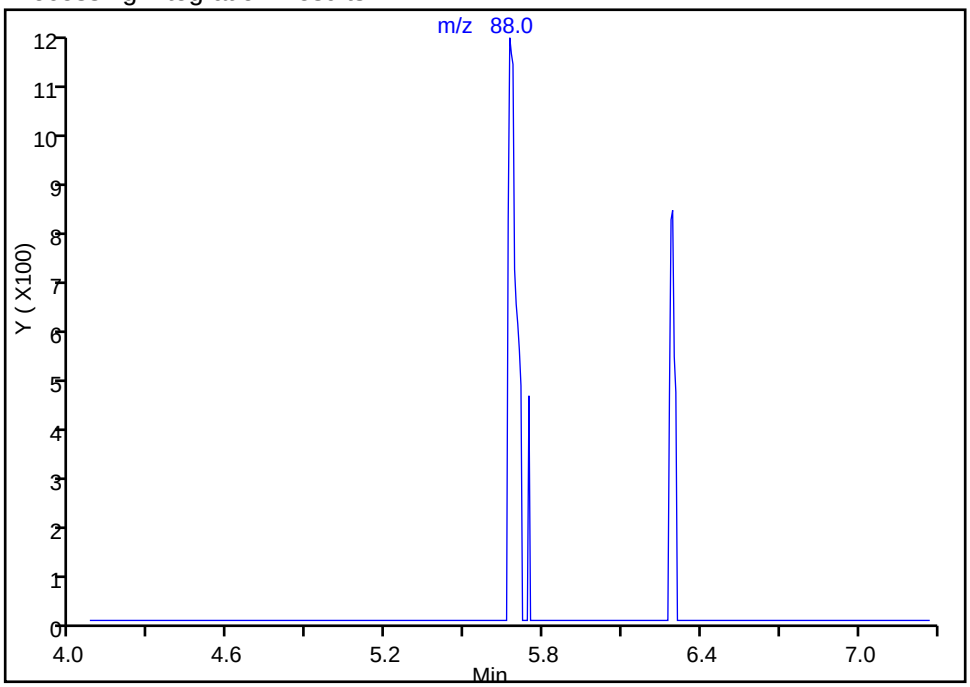
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D
Injection Date: 26-Oct-2015 20:04:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: JG ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

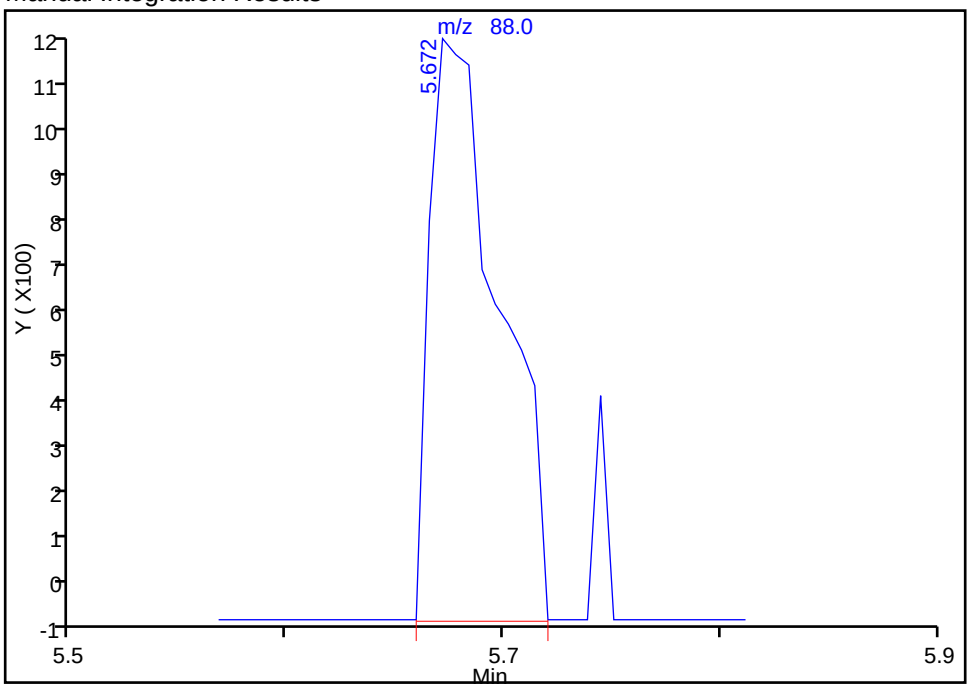
Not Detected
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67
Area: 2614
Amount: 44.126621
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:34:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6128.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Oct-2015 20:30:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0047687-008
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:52 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:23:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	86214	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	160769	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	95	187582	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	95	119900	25.0	25.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	70315	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	384940	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	128536	25.0	24.8	
10 Dichlorodifluoromethane	85	1.474	1.462	0.012	98	31933	5.00	5.45	
12 Chloromethane	50	1.595	1.602	-0.007	99	35952	5.00	5.35	
144 Butadiene	54	1.729	1.723	0.006	89	34802	5.00	5.57	
13 Vinyl chloride	62	1.723	1.729	-0.006	70	34341	5.00	5.28	
14 Bromomethane	94	2.021	2.015	0.006	91	21734	5.00	5.20	
15 Chloroethane	64	2.118	2.113	0.005	98	21999	5.00	5.45	
16 Dichlorofluoromethane	67	2.325	2.326	-0.001	96	53441	5.00	5.27	
17 Trichlorofluoromethane	101	2.362	2.362	0.000	93	44166	5.00	5.19	
18 Ethyl ether	59	2.587	2.587	0.000	91	30973	5.00	5.42	
20 Acrolein	56	2.745	2.745	0.000	98	19414	25.0	25.7	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	99	28004	5.00	5.40	
21 1,1,2-Trichloro-1,2,2-trif	101	2.824	2.824	0.000	91	29040	5.00	5.66	
23 Acetone	43	2.891	2.891	0.000	99	67789	25.0	26.3	
25 Iodomethane	142	2.940	2.934	0.006	100	55936	5.00	5.26	
26 Carbon disulfide	76	2.982	2.976	0.006	99	92245	5.00	5.39	
28 3-Chloro-1-propene	41	3.128	3.122	0.006	90	51792	5.00	5.29	
27 Methyl acetate	43	3.159	3.159	0.000	98	200917	25.0	28.0	
30 Methylene Chloride	84	3.250	3.244	0.006	95	32149	5.00	5.46	
31 2-Methyl-2-propanol	59	3.384	3.378	0.006	99	42415	50.0	54.4	
32 Methyl tert-butyl ether	73	3.451	3.445	0.006	96	101985	5.00	5.18	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	99	29697	5.00	5.24	
33 Acrylonitrile	53	3.481	3.481	0.000	99	194670	50.0	51.4	
35 Hexane	57	3.645	3.640	0.005	94	42144	5.00	5.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	96	54669	5.00	5.29	
37 Vinyl acetate	43	3.846	3.846	0.000	97	119344	10.0	10.1	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	89	32229	5.00	5.14	
45 cis-1,2-Dichloroethene	96	4.272	4.266	0.006	82	32248	5.00	5.20	
43 2-Butanone (MEK)	43	4.284	4.284	0.000	100	125243	25.0	25.6	
48 Chlorobromomethane	128	4.461	4.461	0.000	95	17657	5.00	5.35	
49 Tetrahydrofuran	42	4.485	4.479	0.006	90	37311	10.0	10.5	
50 Chloroform	83	4.521	4.516	0.005	94	51487	5.00	5.34	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	98	44200	5.00	5.38	
52 Cyclohexane	56	4.655	4.656	-0.001	94	52588	5.00	5.48	
55 Carbon tetrachloride	117	4.753	4.747	0.006	97	38134	5.00	5.22	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	94	39724	5.00	5.30	
53 Isobutyl alcohol	43	4.874	4.875	-0.001	93	58939	125.0	131.1	
57 Benzene	78	4.911	4.911	0.000	95	114755	5.00	5.27	
58 1,2-Dichloroethane	62	4.953	4.948	0.005	97	43212	5.00	5.09	
59 n-Heptane	43	5.063	5.057	0.006	95	39665	5.00	5.35	
62 Trichloroethene	95	5.391	5.392	-0.001	95	29094	5.00	5.29	
64 Methylcyclohexane	83	5.507	5.507	0.000	91	47155	5.00	5.48	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	93	27259	5.00	5.17	
66 1,4-Dioxane	88	5.671	5.671	0.000	40	5411	100.0	89.3	
67 Dibromomethane	93	5.677	5.678	-0.001	92	19346	5.00	5.30	
68 Dichlorobromomethane	83	5.787	5.787	0.000	98	34963	5.00	5.09	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	93	19331	5.00	5.22	
77 trans-1,3-Dichloropropene	75	6.103	6.103	0.000	96	41117	5.00	4.87	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.201	0.006	97	244222	25.0	26.8	
74 Toluene	92	6.340	6.341	-0.001	98	66858	5.00	5.00	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	97	36750	5.00	5.11	
75 Ethyl methacrylate	69	6.559	6.560	-0.001	92	39374	5.00	5.01	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	91	20005	5.00	5.02	
81 Tetrachloroethene	166	6.754	6.754	0.000	97	30823	5.00	5.25	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	91	40890	5.00	4.94	
80 2-Hexanone	43	6.833	6.833	0.000	97	179522	25.0	27.7	
83 Chlorodibromomethane	129	6.985	6.985	0.000	89	26818	5.00	4.78	
84 Ethylene Dibromide	107	7.070	7.071	-0.001	98	26411	5.00	4.94	
87 Chlorobenzene	112	7.435	7.430	0.005	96	73342	5.00	5.08	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.497	0.000	46	28123	5.00	4.92	
88 Ethylbenzene	91	7.496	7.497	0.000	98	122927	5.00	5.16	
90 m-Xylene & p-Xylene	106	7.588	7.588	0.000	0	50206	5.00	5.04	
91 o-Xylene	106	7.904	7.904	0.000	96	51836	5.00	5.06	
92 Styrene	104	7.922	7.922	0.000	96	82932	5.00	5.10	
95 Bromoform	173	8.111	8.111	0.000	95	17063	5.00	4.53	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	131319	5.00	5.11	
101 Bromobenzene	156	8.470	8.470	0.000	94	34783	5.00	5.04	
97 1,1,2,2-Tetrachloroethane	83	8.476	8.470	0.006	96	40187	5.00	5.03	
100 1,2,3-Trichloropropane	110	8.506	8.512	-0.006	87	14380	5.00	5.07	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.512	0.000	74	12759	5.00	5.18	
99 N-Propylbenzene	91	8.518	8.519	-0.001	98	146122	5.00	5.18	
103 2-Chlorotoluene	126	8.610	8.610	0.000	97	31350	5.00	5.06	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	96	111242	5.00	5.07	
105 4-Chlorotoluene	126	8.701	8.701	0.000	97	31671	5.00	4.90	
106 tert-Butylbenzene	134	8.926	8.926	0.000	92	25908	5.00	5.24	
107 1,2,4-Trimethylbenzene	105	8.968	8.969	-0.001	97	115587	5.00	5.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.103	-0.001	94	135586	5.00	5.20	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	123469	5.00	5.17	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	66529	5.00	5.00	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	97	67678	5.00	5.07	
115 n-Butylbenzene	91	9.559	9.559	0.000	97	98439	5.00	5.14	
116 1,2-Dichlorobenzene	146	9.613	9.614	-0.001	98	65669	5.00	4.93	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.271	-0.001	88	9272	5.00	4.80	
119 1,2,4-Trichlorobenzene	180	10.933	10.934	-0.001	95	47136	5.00	4.95	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	97	18519	5.00	5.26	
121 Naphthalene	128	11.140	11.134	0.006	97	156675	5.00	5.00	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	44780	5.00	4.90	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.97	
S 123 Total BTEX	1				0			25.5	
S 124 Xylenes, Total	1				0			10.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	5.00	Units: uL	
GAS CORP mix_00116	Amount Added:	5.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

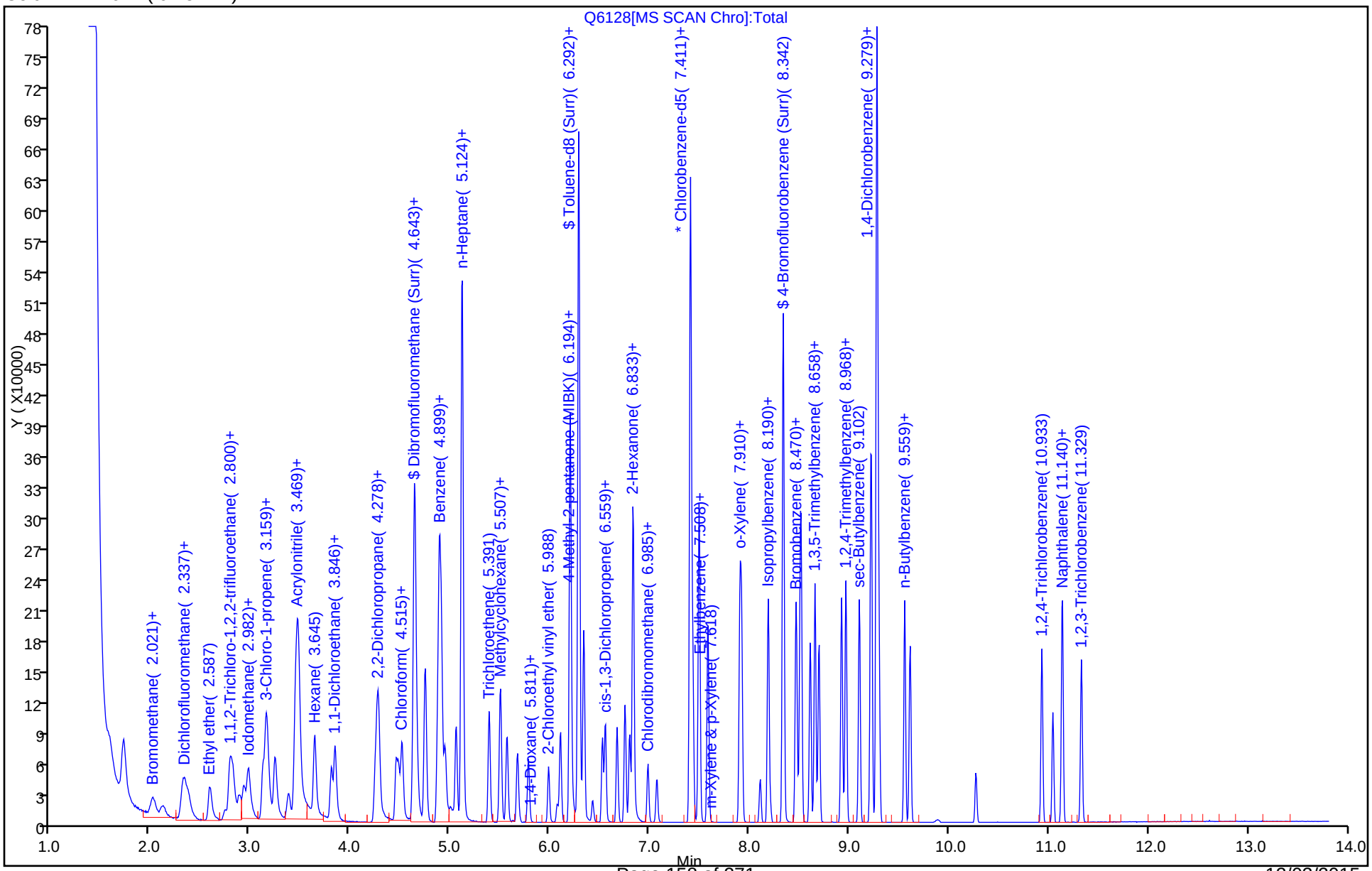
Report Date: 27-Oct-2015 21:05:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6128.D

Injection Date:	26-Oct-2015 20:30:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

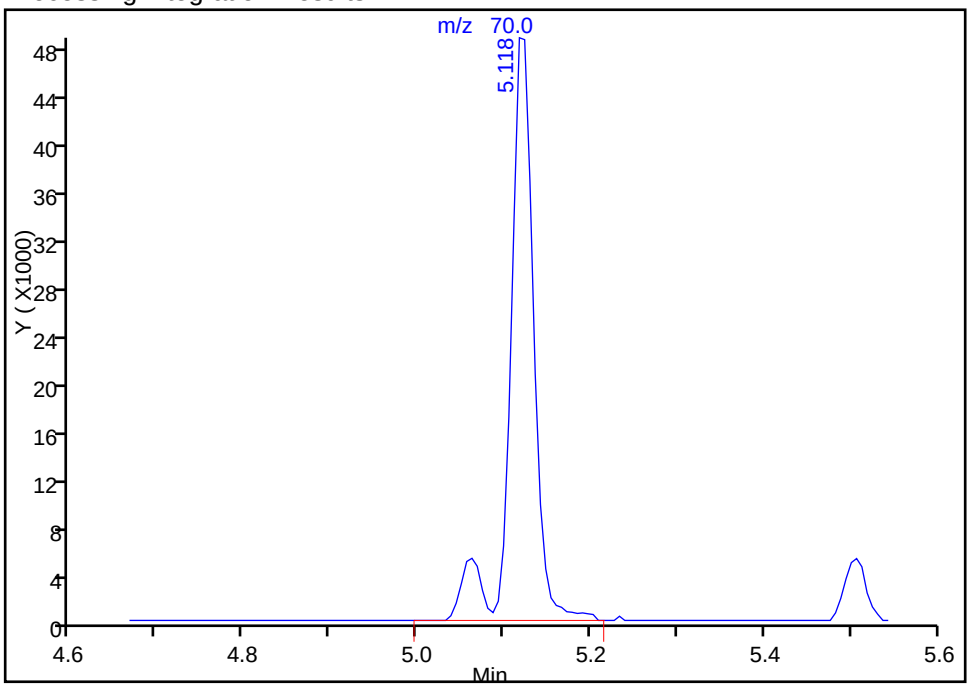
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6128.D
Injection Date: 26-Oct-2015 20:30:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: JG ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

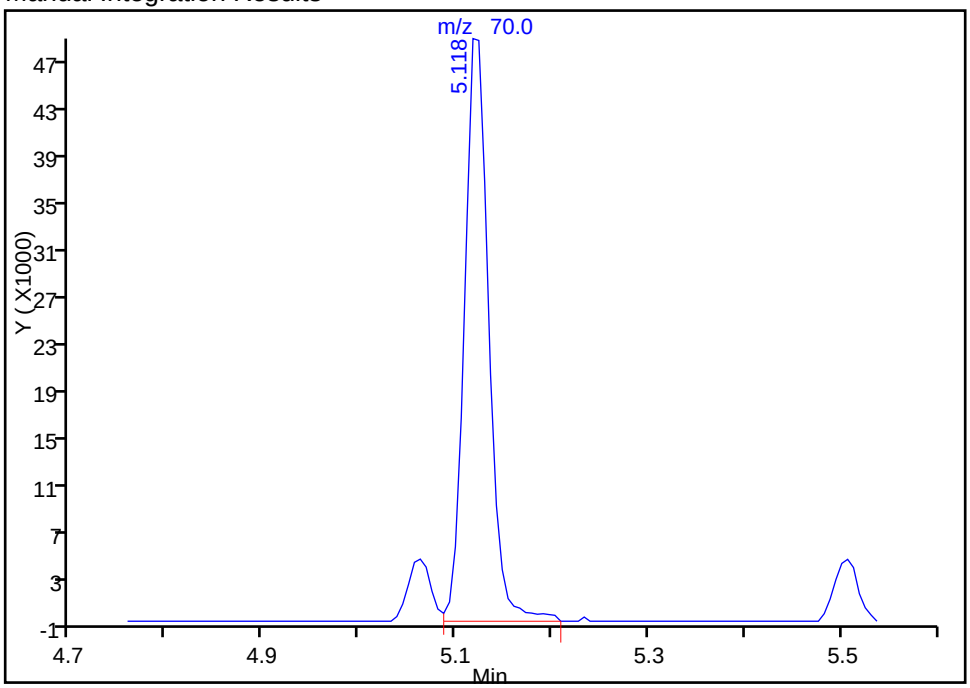
Processing Integration Results

RT: 5.12
Area: 94650
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 86214
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:38:31
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Oct-2015 20:55:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0047687-009
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:56 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:28:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.122	5.122	0.000	99	86140	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.409	7.409	0.000	86	155489	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.277	9.277	0.000	94	180589	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.641	4.641	0.000	95	119198	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.891	4.891	0.000	0	70251	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	6.290	6.290	0.000	93	378660	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	8.340	8.340	0.000	94	125183	25.0	25.0	
10 Dichlorodifluoromethane	85	1.460	1.460	0.000	99	58223	10.0	9.94	
12 Chloromethane	50	1.593	1.593	0.000	100	67550	10.0	10.1	
144 Butadiene	54	1.721	1.721	0.000	92	63172	10.0	10.1	
13 Vinyl chloride	62	1.715	1.715	0.000	85	64181	10.0	9.87	
14 Bromomethane	94	2.013	2.013	0.000	90	40326	10.0	9.66	
15 Chloroethane	64	2.117	2.117	0.000	99	40700	10.0	10.1	
16 Dichlorofluoromethane	67	2.324	2.324	0.000	96	99803	10.0	9.85	
17 Trichlorofluoromethane	101	2.348	2.348	0.000	74	82256	10.0	9.67	
18 Ethyl ether	59	2.585	2.585	0.000	92	55160	10.0	9.66	
20 Acrolein	56	2.743	2.743	0.000	99	39815	50.0	52.7	
22 1,1-Dichloroethene	96	2.792	2.792	0.000	98	50121	10.0	9.68	
21 1,1,2-Trichloro-1,2,2-trif	101	2.816	2.816	0.000	91	50899	10.0	9.93	
23 Acetone	43	2.895	2.895	0.000	99	133188	50.0	55.8	
25 Iodomethane	142	2.932	2.932	0.000	99	104733	10.0	9.86	
26 Carbon disulfide	76	2.974	2.974	0.000	100	165712	10.0	9.68	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	91	90950	10.0	9.30	
27 Methyl acetate	43	3.157	3.157	0.000	98	394045	50.0	57.5	M
30 Methylene Chloride	84	3.248	3.248	0.000	95	58006	10.0	10.5	
31 2-Methyl-2-propanol	59	3.382	3.382	0.000	99	64572	100.0	82.9	
32 Methyl tert-butyl ether	73	3.443	3.443	0.000	96	181985	10.0	9.25	
34 trans-1,2-Dichloroethene	96	3.455	3.455	0.000	98	54943	10.0	9.69	
33 Acrylonitrile	53	3.479	3.479	0.000	98	367274	100.0	97.1	
35 Hexane	57	3.644	3.644	0.000	94	67260	10.0	8.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.808	3.808	0.000	96	101835	10.0	9.86	
37 Vinyl acetate	43	3.844	3.844	0.000	97	231443	20.0	19.5	
44 2,2-Dichloropropane	77	4.252	4.252	0.000	93	59932	10.0	9.56	
45 cis-1,2-Dichloroethene	96	4.270	4.270	0.000	85	61492	10.0	9.92	
43 2-Butanone (MEK)	43	4.282	4.282	0.000	100	230640	50.0	47.2	
48 Chlorobromomethane	128	4.459	4.459	0.000	95	33587	10.0	10.2	
49 Tetrahydrofuran	42	4.483	4.483	0.000	89	67351	20.0	19.0	
50 Chloroform	83	4.520	4.520	0.000	94	94062	10.0	9.77	
51 1,1,1-Trichloroethane	97	4.629	4.629	0.000	98	80243	10.0	9.78	
52 Cyclohexane	56	4.653	4.653	0.000	94	92026	10.0	9.59	
55 Carbon tetrachloride	117	4.745	4.745	0.000	97	69906	10.0	9.57	
54 1,1-Dichloropropene	75	4.751	4.751	0.000	95	72231	10.0	9.64	
53 Isobutyl alcohol	43	4.879	4.879	0.000	95	127216	250.0	287.5	
57 Benzene	78	4.915	4.915	0.000	96	206968	10.0	9.51	
58 1,2-Dichloroethane	62	4.952	4.952	0.000	97	81349	10.0	9.58	
59 n-Heptane	43	5.061	5.061	0.000	94	65492	10.0	8.84	
62 Trichloroethene	95	5.390	5.390	0.000	95	53170	10.0	9.68	
64 Methylcyclohexane	83	5.505	5.505	0.000	92	80787	10.0	9.40	
65 1,2-Dichloropropane	63	5.572	5.572	0.000	94	50044	10.0	9.50	
66 1,4-Dioxane	88	5.676	5.676	0.000	39	11080	200.0	189.0	
67 Dibromomethane	93	5.676	5.676	0.000	92	35647	10.0	9.77	
68 Dichlorobromomethane	83	5.785	5.785	0.000	98	66085	10.0	9.62	
69 2-Chloroethyl vinyl ether	63	5.986	5.986	0.000	93	35539	10.0	9.60	
77 trans-1,3-Dichloropropene	75	6.107	6.107	0.000	95	78198	10.0	9.57	
73 4-Methyl-2-pentanone (MIBK	43	6.205	6.205	0.000	97	449694	50.0	51.0	
74 Toluene	92	6.339	6.339	0.000	99	123431	10.0	9.55	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.000	98	67856	10.0	9.44	
75 Ethyl methacrylate	69	6.558	6.558	0.000	91	72047	10.0	9.48	
79 1,1,2-Trichloroethane	83	6.673	6.673	0.000	92	36252	10.0	9.40	
81 Tetrachloroethene	166	6.752	6.752	0.000	98	54784	10.0	9.65	
82 1,3-Dichloropropane	76	6.801	6.801	0.000	89	75287	10.0	9.41	
80 2-Hexanone	43	6.831	6.831	0.000	97	310440	50.0	49.6	
83 Chlorodibromomethane	129	6.983	6.983	0.000	90	51892	10.0	9.57	
84 Ethylene Dibromide	107	7.075	7.075	0.000	98	49440	10.0	9.55	
87 Chlorobenzene	112	7.434	7.434	0.000	96	134596	10.0	9.63	
89 1,1,1,2-Tetrachloroethane	131	7.494	7.494	0.000	46	52909	10.0	9.56	
88 Ethylbenzene	91	7.494	7.494	0.000	98	220315	10.0	9.57	
90 m-Xylene & p-Xylene	106	7.586	7.586	0.000	0	90580	10.0	9.40	
91 o-Xylene	106	7.908	7.908	0.000	96	94984	10.0	9.58	
92 Styrene	104	7.920	7.920	0.000	96	149278	10.0	9.49	
95 Bromoform	173	8.109	8.109	0.000	97	33710	10.0	9.26	
94 Isopropylbenzene	105	8.188	8.188	0.000	95	239654	10.0	9.69	
101 Bromobenzene	156	8.468	8.468	0.000	94	62368	10.0	9.39	
97 1,1,2,2-Tetrachloroethane	83	8.474	8.474	0.000	94	75264	10.0	9.78	
100 1,2,3-Trichloropropane	110	8.510	8.510	0.000	87	25978	10.0	9.52	
98 trans-1,4-Dichloro-2-buten	53	8.510	8.510	0.000	78	22692	10.0	9.57	
99 N-Propylbenzene	91	8.523	8.523	0.000	99	260442	10.0	9.59	
103 2-Chlorotoluene	126	8.614	8.614	0.000	97	57027	10.0	9.55	
102 1,3,5-Trimethylbenzene	105	8.656	8.656	0.000	95	204521	10.0	9.68	
105 4-Chlorotoluene	126	8.699	8.699	0.000	97	57197	10.0	9.19	
106 tert-Butylbenzene	134	8.924	8.924	0.000	92	45757	10.0	9.62	
107 1,2,4-Trimethylbenzene	105	8.967	8.967	0.000	96	213165	10.0	9.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.101	9.101	0.000	94	242792	10.0	9.67	
110 4-Isopropyltoluene	119	9.216	9.216	0.000	97	221801	10.0	9.65	
111 1,3-Dichlorobenzene	146	9.228	9.228	0.000	99	118828	10.0	9.28	
113 1,4-Dichlorobenzene	146	9.301	9.301	0.000	96	122587	10.0	9.53	
115 n-Butylbenzene	91	9.557	9.557	0.000	97	175987	10.0	9.55	
116 1,2-Dichlorobenzene	146	9.612	9.612	0.000	98	121822	10.0	9.50	
117 1,2-Dibromo-3-Chloropropan	75	10.269	10.269	0.000	88	18710	10.0	10.1	
119 1,2,4-Trichlorobenzene	180	10.932	10.932	0.000	94	90708	10.0	9.90	
120 Hexachlorobutadiene	225	11.047	11.047	0.000	97	32272	10.0	9.51	
121 Naphthalene	128	11.138	11.138	0.000	97	308771	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	11.327	11.327	0.000	96	87757	10.0	9.97	
S 125 1,2-Dichloroethene, Total	1				0			19.6	
S 126 1,3-Dichloropropene, Total	1				0			19.0	
S 123 Total BTEX	1				0			47.6	
S 124 Xylenes, Total	1				0			19.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	5.00	Units: uL	
GAS CORP mix_00116	Amount Added:	5.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

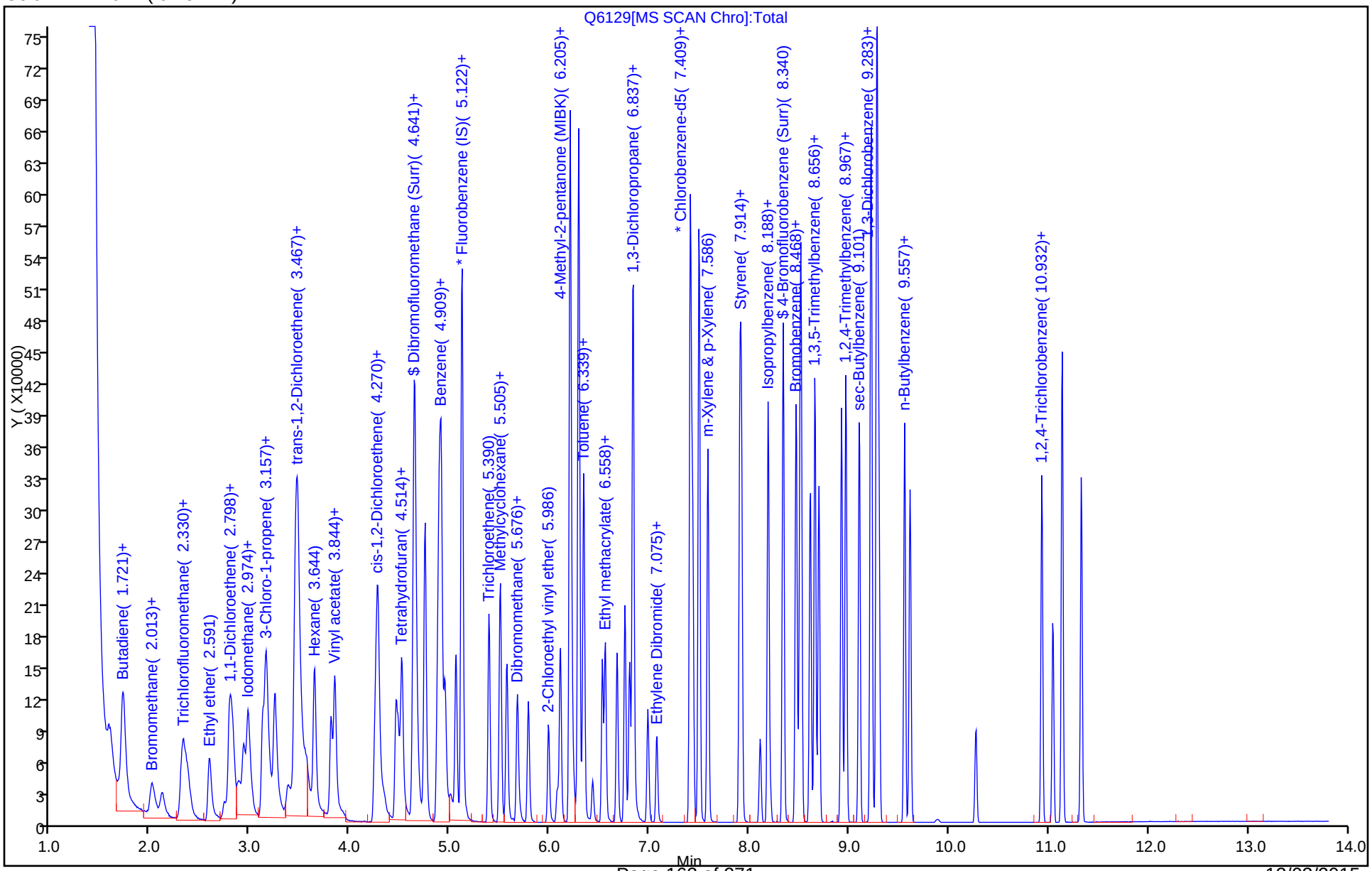
Report Date: 27-Oct-2015 21:05:58 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D

Injection Date:	26-Oct-2015 20:55:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



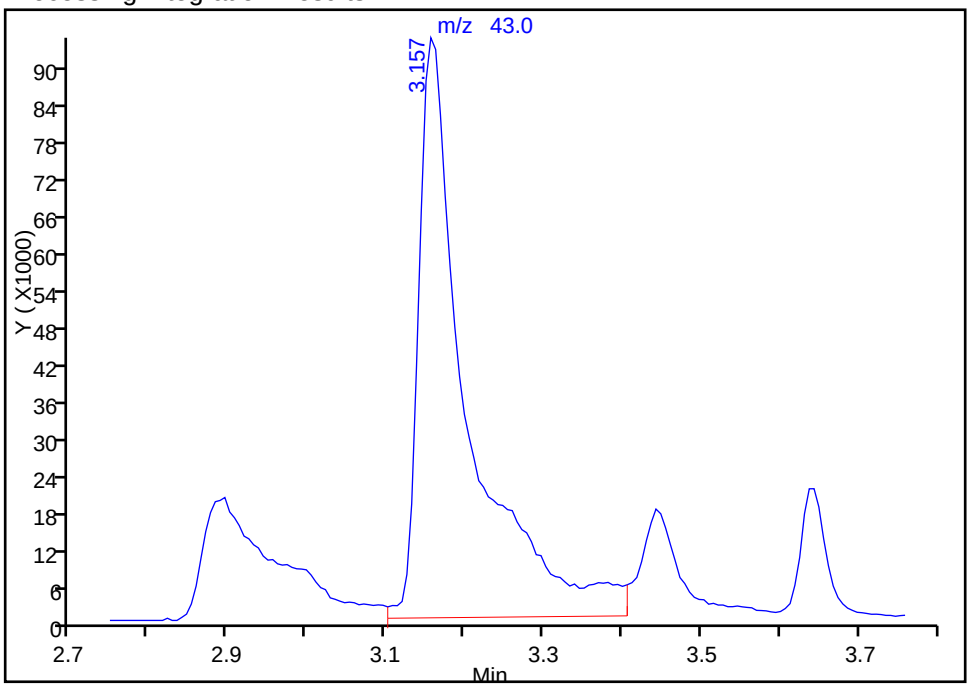
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D
Injection Date: 26-Oct-2015 20:55:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: JG ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

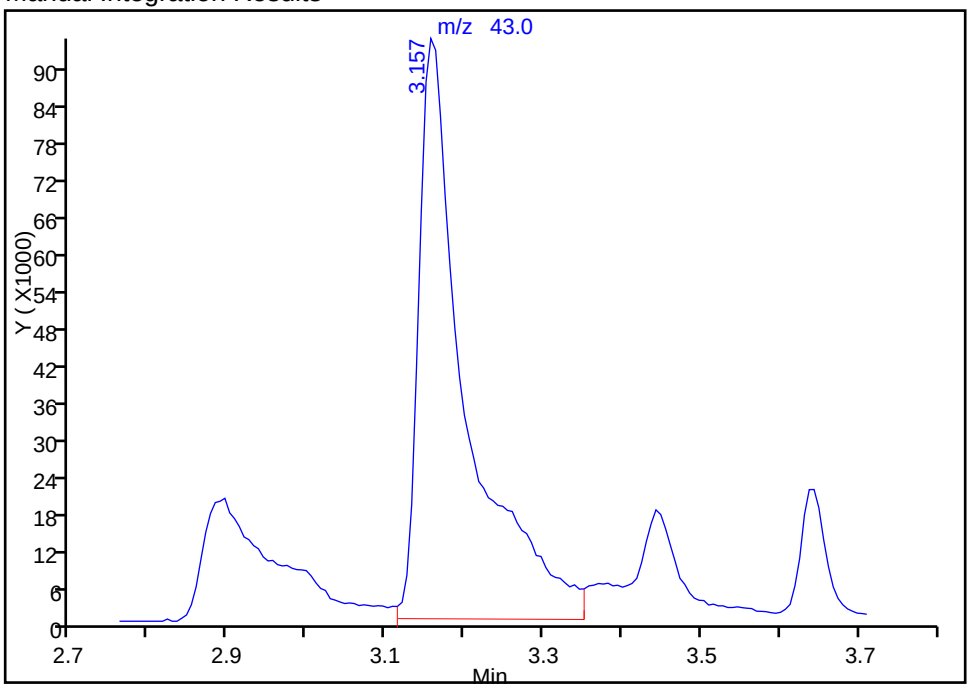
Processing Integration Results

RT: 3.16
Area: 410064
Amount: 59.602941
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 394045
Amount: 57.466019
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:39:40
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

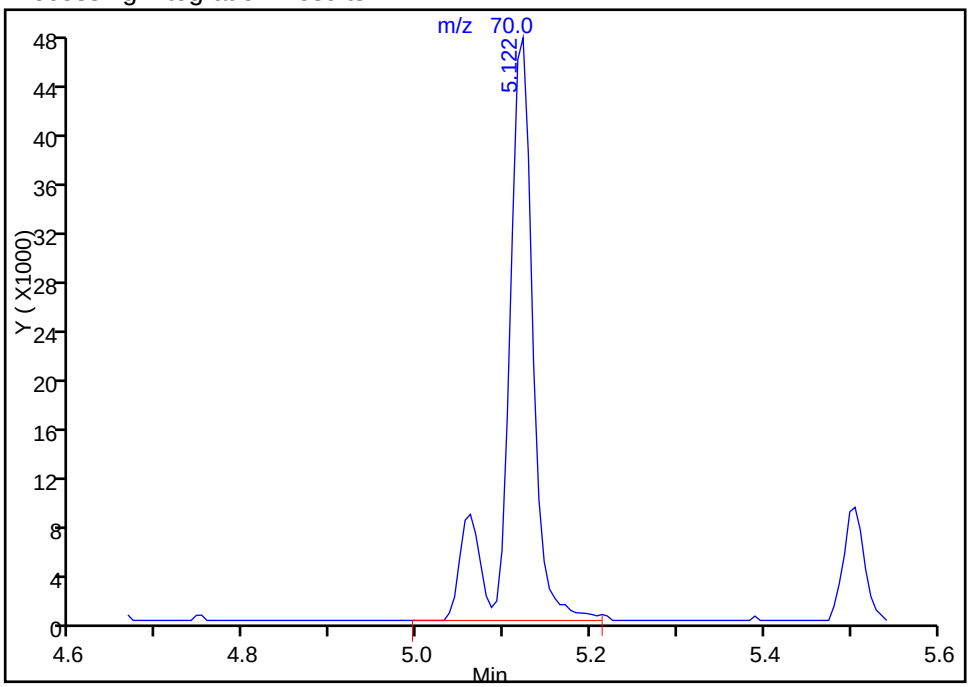
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D
Injection Date: 26-Oct-2015 20:55:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: JG ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

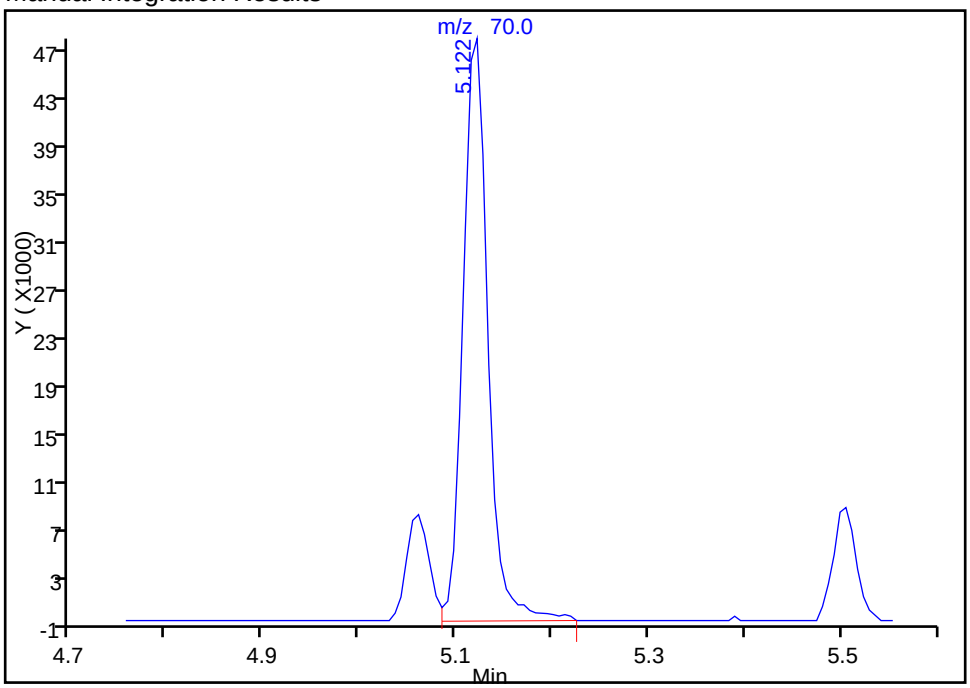
Processing Integration Results

RT: 5.12
Area: 99715
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 86140
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:40:41
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D
Lims ID: ICIS 6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 26-Oct-2015 21:21:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 6
Misc. Info.: 480-0047687-010
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:08:56 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	97	91684	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	169973	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	76	196402	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	71	122543	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	71768	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	82	405992	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	136276	25.0	24.9	
10 Dichlorodifluoromethane	85	1.462	1.462	0.000	86	159020	25.0	25.5	
12 Chloromethane	50	1.602	1.602	0.000	89	167970	25.0	23.5	
13 Vinyl chloride	62	1.729	1.729	0.000	70	170853	25.0	24.7	
144 Butadiene	54	1.723	1.723	0.000	89	163555	25.0	24.6	
14 Bromomethane	94	2.015	2.015	0.000	88	105138	25.0	23.7	
15 Chloroethane	64	2.113	2.113	0.000	98	106163	25.0	24.7	
16 Dichlorofluoromethane	67	2.326	2.326	0.000	97	256054	25.0	23.7	
17 Trichlorofluoromethane	101	2.362	2.362	0.000	96	220671	25.0	24.4	
18 Ethyl ether	59	2.587	2.587	0.000	91	148871	25.0	24.5	
20 Acrolein	56	2.745	2.745	0.000	90	103801	125.0	129.0	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	97	129430	25.0	23.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.824	2.824	0.000	86	130441	25.0	23.9	
23 Acetone	43	2.891	2.891	0.000	95	310230	125.0	127.2	
25 Iodomethane	142	2.934	2.934	0.000	99	273019	25.0	24.1	
26 Carbon disulfide	76	2.976	2.976	0.000	99	425982	25.0	23.4	
28 3-Chloro-1-propene	41	3.122	3.122	0.000	88	237051	25.0	22.8	
27 Methyl acetate	43	3.159	3.159	0.000	98	938335	125.0	131.7	
30 Methylene Chloride	84	3.244	3.244	0.000	88	150280	25.0	26.8	
31 2-Methyl-2-propanol	59	3.378	3.378	0.000	97	192031	250.0	231.7	
32 Methyl tert-butyl ether	73	3.445	3.445	0.000	86	506501	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	65	141730	25.0	23.5	
33 Acrylonitrile	53	3.481	3.481	0.000	99	945054	250.0	234.8	
35 Hexane	57	3.640	3.640	0.000	90	178011	25.0	22.2	
39 1,1-Dichloroethane	63	3.810	3.810	0.000	97	264476	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.846	3.846	0.000	97	630952	50.0	50.1	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	91	153923	25.0	23.1	
45 cis-1,2-Dichloroethene	96	4.266	4.266	0.000	83	160337	25.0	24.3	
43 2-Butanone (MEK)	43	4.284	4.284	0.000	93	598155	125.0	115.1	
48 Chlorobromomethane	128	4.461	4.461	0.000	93	88230	25.0	25.2	
49 Tetrahydrofuran	42	4.479	4.479	0.000	89	171220	50.0	45.4	
50 Chloroform	83	4.516	4.516	0.000	83	248301	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	94	208308	25.0	23.9	
52 Cyclohexane	56	4.656	4.656	0.000	93	233083	25.0	22.8	
55 Carbon tetrachloride	117	4.747	4.747	0.000	83	184633	25.0	23.8	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	92	189616	25.0	23.8	
53 Isobutyl alcohol	43	4.875	4.875	0.000	94	272585	625.0	582.6	M
57 Benzene	78	4.911	4.911	0.000	96	546579	25.0	23.6	
58 1,2-Dichloroethane	62	4.948	4.948	0.000	81	213449	25.0	23.6	
59 n-Heptane	43	5.057	5.057	0.000	95	183309	25.0	23.2	
62 Trichloroethene	95	5.392	5.392	0.000	94	141690	25.0	24.2	
64 Methylcyclohexane	83	5.507	5.507	0.000	90	210473	25.0	23.0	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	91	136064	25.0	24.3	
66 1,4-Dioxane	88	5.671	5.671	0.000	39	35896	500.0	560.2	
67 Dibromomethane	93	5.678	5.678	0.000	85	96922	25.0	25.0	
68 Dichlorobromomethane	83	5.787	5.787	0.000	93	182692	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	93	103525	25.0	26.3	
77 trans-1,3-Dichloropropene	75	6.103	6.103	0.000	91	223916	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	6.201	6.201	0.000	97	1175290	125.0	121.9	
74 Toluene	92	6.341	6.341	0.000	88	333483	25.0	23.6	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	89	201692	25.0	26.4	
75 Ethyl methacrylate	69	6.560	6.560	0.000	84	208111	25.0	25.0	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	92	104221	25.0	24.7	
81 Tetrachloroethene	166	6.754	6.754	0.000	98	149898	25.0	24.1	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	88	215754	25.0	24.7	
80 2-Hexanone	43	6.833	6.833	0.000	93	833525	125.0	121.8	
83 Chlorodibromomethane	129	6.985	6.985	0.000	86	154847	25.0	26.1	
84 Ethylene Dibromide	107	7.071	7.071	0.000	98	141866	25.0	25.1	
87 Chlorobenzene	112	7.430	7.430	0.000	94	373065	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.497	0.000	45	150474	25.0	24.9	
88 Ethylbenzene	91	7.497	7.497	0.000	98	600942	25.0	23.9	
90 m-Xylene & p-Xylene	106	7.588	7.588	0.000	0	254878	25.0	24.2	
91 o-Xylene	106	7.904	7.904	0.000	96	262801	25.0	24.2	
92 Styrene	104	7.922	7.922	0.000	95	421935	25.0	24.5	
95 Bromoform	173	8.111	8.111	0.000	95	105454	25.0	26.5	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	646901	25.0	24.1	
101 Bromobenzene	156	8.470	8.470	0.000	88	173294	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	87	203598	25.0	24.3	
100 1,2,3-Trichloropropane	110	8.512	8.512	0.000	31	73394	25.0	24.7	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.512	0.000	21	66644	25.0	25.8	
99 N-Propylbenzene	91	8.519	8.519	0.000	87	712467	25.0	24.1	
103 2-Chlorotoluene	126	8.610	8.610	0.000	96	158609	25.0	24.4	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	60	560028	25.0	24.4	
105 4-Chlorotoluene	126	8.701	8.701	0.000	78	161115	25.0	23.8	
106 tert-Butylbenzene	134	8.926	8.926	0.000	89	128950	25.0	24.9	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	61	576829	25.0	24.3	
109 sec-Butylbenzene	105	9.103	9.103	0.000	94	664502	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.218	9.218	0.000	94	611158	25.0	24.4	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	78	329129	25.0	23.6	
113 1,4-Dichlorobenzene	146	9.303	9.303	0.000	96	339962	25.0	24.3	
115 n-Butylbenzene	91	9.559	9.559	0.000	94	482034	25.0	24.0	
116 1,2-Dichlorobenzene	146	9.614	9.614	0.000	98	329582	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.271	0.000	82	52130	25.0	25.8	
119 1,2,4-Trichlorobenzene	180	10.934	10.934	0.000	91	239583	25.0	24.0	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	96	86458	25.0	23.4	
121 Naphthalene	128	11.134	11.134	0.000	97	801224	25.0	24.4	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	228038	25.0	23.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	12.50	Units: uL	
GAS CORP mix_00116	Amount Added:	12.50	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

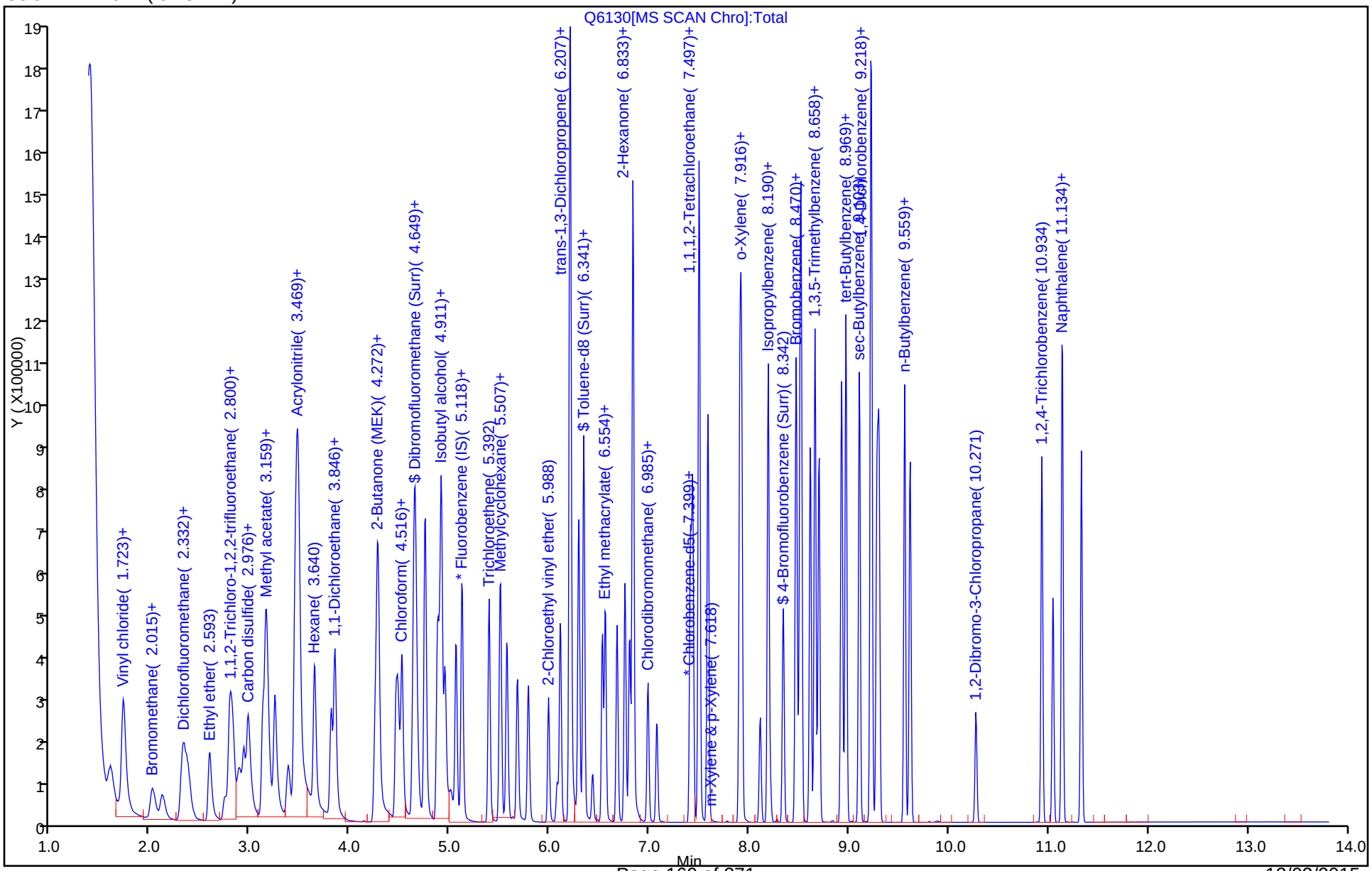
Report Date: 27-Oct-2015 21:08:59 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D

Injection Date:	26-Oct-2015 21:21:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	ICIS 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



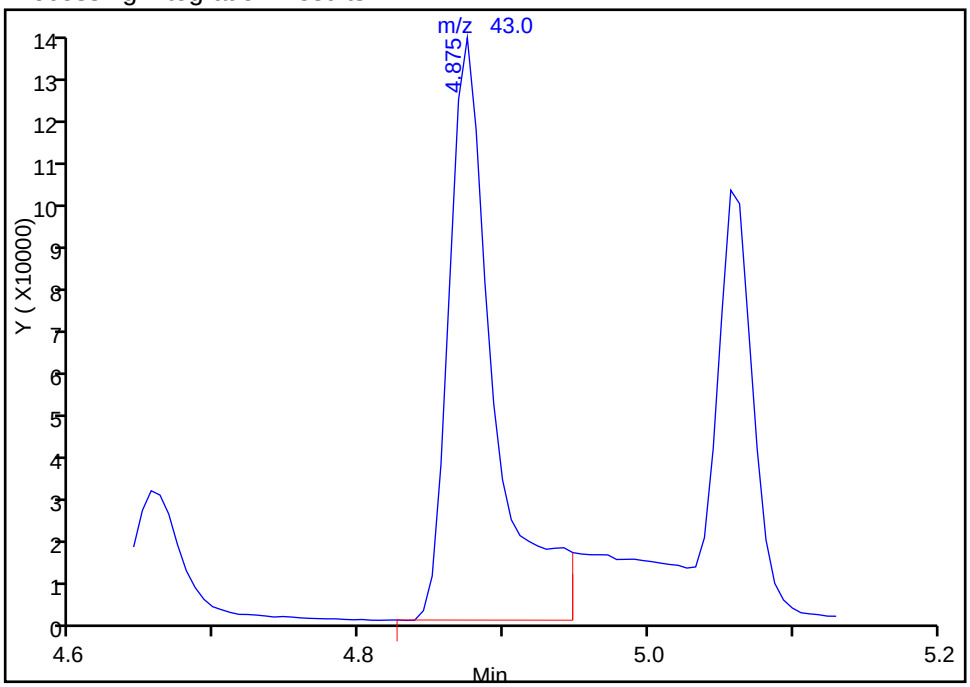
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D
Injection Date: 26-Oct-2015 21:21:30 Instrument ID: HP5973Q
Lims ID: ICIS 6
Client ID:
Operator ID: JG ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

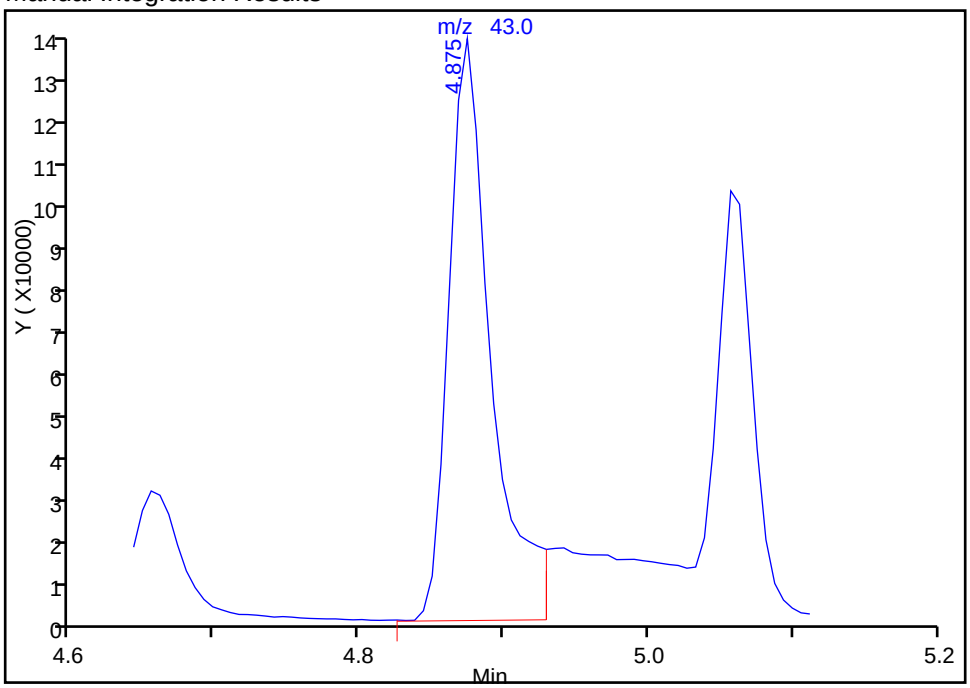
Processing Integration Results

RT: 4.87
Area: 289783
Amount: 583.6971
Amount Units: ug/L



Manual Integration Results

RT: 4.87
Area: 272585
Amount: 582.5645
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:15:01
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

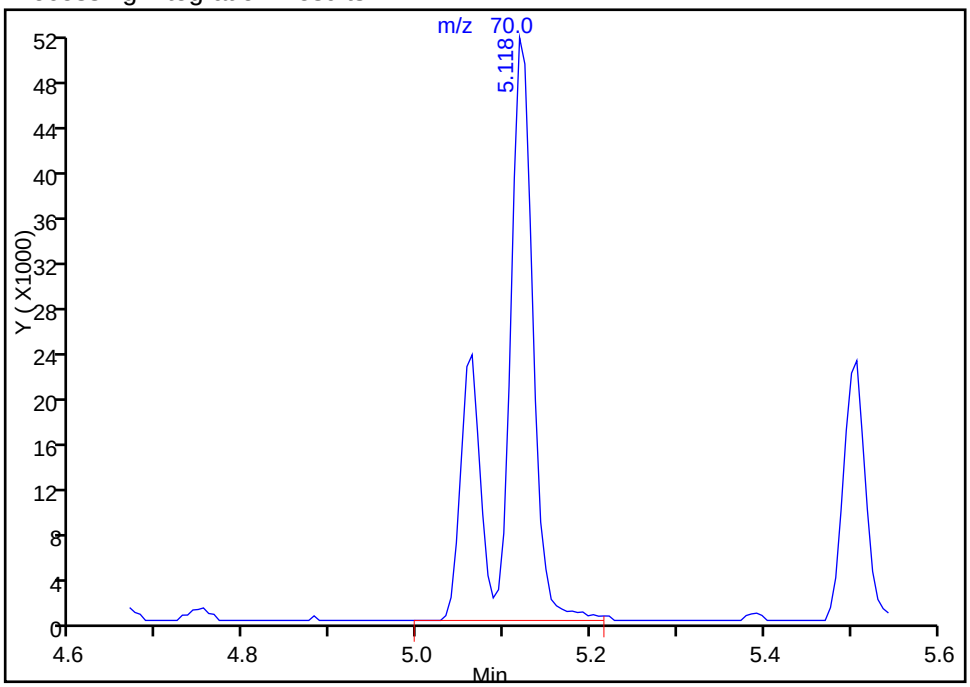
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D
Injection Date: 26-Oct-2015 21:21:30 Instrument ID: HP5973Q
Lims ID: ICIS 6
Client ID:
Operator ID: JG ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

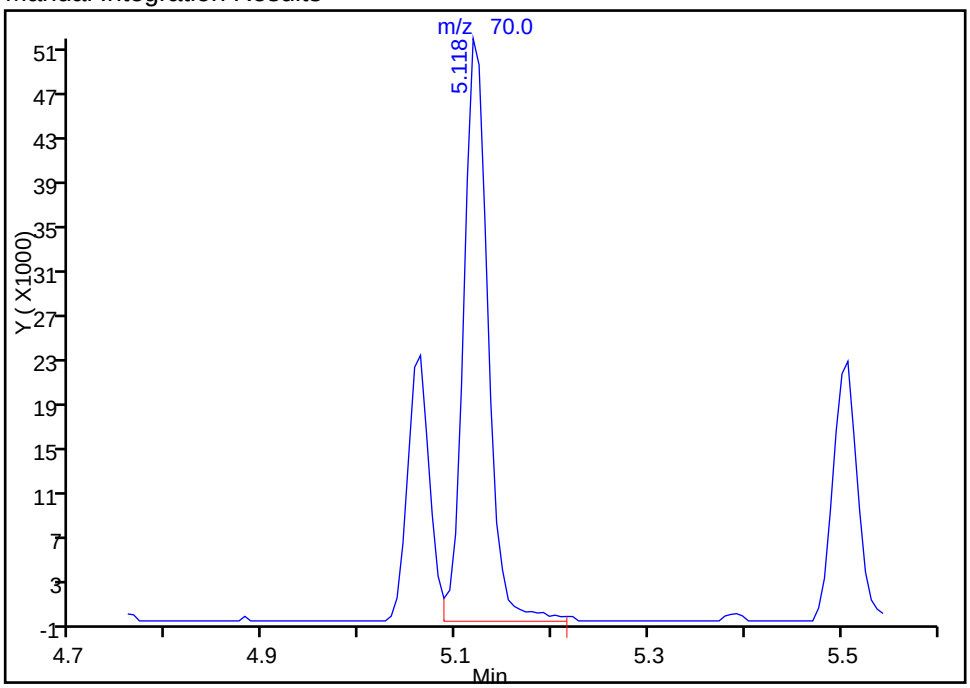
Processing Integration Results

RT: 5.12
Area: 128071
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 91684
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:15:01
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Oct-2015 21:47:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0047687-011
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:06:04 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:30:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.122	-0.004	99	95216	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.412	7.409	0.003	84	173426	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.277	0.002	93	199589	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.641	0.003	93	125473	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.891	0.002	0	73928	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.292	6.290	0.002	93	415453	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.340	0.002	95	139814	25.0	25.1	
10 Dichlorodifluoromethane	85	1.462	1.460	0.002	99	275676	50.0	42.6	
12 Chloromethane	50	1.608	1.593	0.015	99	320188	50.0	43.2	
144 Butadiene	54	1.730	1.721	0.009	91	284908	50.0	41.3	
13 Vinyl chloride	62	1.736	1.715	0.021	98	314092	50.0	43.7	
14 Bromomethane	94	2.028	2.013	0.015	90	204090	50.0	44.2	
15 Chloroethane	64	2.125	2.117	0.008	100	201568	50.0	45.2	M
16 Dichlorofluoromethane	67	2.338	2.324	0.014	97	484135	50.0	43.2	
17 Trichlorofluoromethane	101	2.368	2.348	0.020	99	392875	50.0	41.8	
18 Ethyl ether	59	2.587	2.585	0.002	92	299370	50.0	47.4	
20 Acrolein	56	2.740	2.743	-0.003	100	220145	250.0	263.4	
22 1,1-Dichloroethene	96	2.794	2.792	0.002	99	253639	50.0	44.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.825	2.816	0.009	91	236029	50.0	41.6	
23 Acetone	43	2.886	2.895	-0.009	100	620652	250.0	249.0	
25 Iodomethane	142	2.934	2.932	0.002	99	547845	50.0	46.7	
26 Carbon disulfide	76	2.977	2.974	0.003	99	840768	50.0	44.5	
28 3-Chloro-1-propene	41	3.123	3.120	0.003	91	463831	50.0	42.9	
27 Methyl acetate	43	3.159	3.157	0.002	98	1885855	250.0	257.1	
30 Methylene Chloride	84	3.244	3.248	-0.004	95	300933	50.0	52.4	
31 2-Methyl-2-propanol	59	3.378	3.382	-0.004	100	396801	500.0	461.0	
32 Methyl tert-butyl ether	73	3.445	3.443	0.002	95	1039341	50.0	47.8	
34 trans-1,2-Dichloroethene	96	3.457	3.455	0.002	98	288642	50.0	46.1	
33 Acrylonitrile	53	3.476	3.479	-0.003	99	1908286	500.0	456.4	
35 Hexane	57	3.640	3.644	-0.004	93	328378	50.0	39.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.808	0.002	97	532908	50.0	46.7	
37 Vinyl acetate	43	3.847	3.844	0.003	97	1249280	100.0	95.4	
44 2,2-Dichloropropane	77	4.248	4.252	-0.004	88	298205	50.0	43.0	
45 cis-1,2-Dichloroethene	96	4.273	4.270	0.003	83	319408	50.0	46.6	
43 2-Butanone (MEK)	43	4.285	4.282	0.003	100	1199988	250.0	222.4	
48 Chlorobromomethane	128	4.461	4.459	0.002	94	179525	50.0	49.3	
49 Tetrahydrofuran	42	4.479	4.483	-0.004	89	350486	100.0	89.5	
50 Chloroform	83	4.516	4.520	-0.004	94	495630	50.0	46.6	
51 1,1,1-Trichloroethane	97	4.631	4.629	0.002	98	413659	50.0	45.6	
52 Cyclohexane	56	4.656	4.653	0.003	93	438602	50.0	41.4	
55 Carbon tetrachloride	117	4.747	4.745	0.002	98	378466	50.0	46.9	
54 1,1-Dichloropropene	75	4.753	4.751	0.002	96	372314	50.0	44.9	
53 Isobutyl alcohol	43	4.875	4.879	-0.004	94	571140	1250.0	1179.1	
57 Benzene	78	4.911	4.915	-0.004	96	1101542	50.0	45.8	
58 1,2-Dichloroethane	62	4.948	4.952	-0.004	97	430705	50.0	45.9	
59 n-Heptane	43	5.063	5.061	0.002	94	359503	50.0	43.9	
62 Trichloroethene	95	5.392	5.390	0.002	96	283422	50.0	46.7	
64 Methylcyclohexane	83	5.508	5.505	0.003	91	394282	50.0	41.5	
65 1,2-Dichloropropane	63	5.568	5.572	-0.004	94	275659	50.0	47.4	
66 1,4-Dioxane	88	5.672	5.676	-0.004	97	69345	1000.0	1060.7	
67 Dibromomethane	93	5.678	5.676	0.002	92	198834	50.0	49.3	
68 Dichlorobromomethane	83	5.787	5.785	0.002	99	379283	50.0	50.0	
69 2-Chloroethyl vinyl ether	63	5.988	5.986	0.002	93	210122	50.0	51.3	
77 trans-1,3-Dichloropropene	75	6.110	6.107	0.003	95	460842	50.0	50.6	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.205	0.002	95	2234365	250.0	227.2	
74 Toluene	92	6.341	6.339	0.002	99	673099	50.0	46.7	
72 cis-1,3-Dichloropropene	75	6.530	6.527	0.003	98	416935	50.0	52.5	
75 Ethyl methacrylate	69	6.554	6.558	-0.004	90	413143	50.0	48.7	
79 1,1,2-Trichloroethane	83	6.676	6.673	0.003	92	209436	50.0	48.7	
81 Tetrachloroethene	166	6.755	6.752	0.003	98	295846	50.0	46.7	
82 1,3-Dichloropropane	76	6.803	6.801	0.002	90	435107	50.0	48.7	
80 2-Hexanone	43	6.834	6.831	0.003	95	1553268	250.0	222.5	
83 Chlorodibromomethane	129	6.986	6.983	0.003	90	332115	50.0	54.9	
84 Ethylene Dibromide	107	7.071	7.075	-0.004	99	286381	50.0	49.6	
87 Chlorobenzene	112	7.436	7.434	0.002	96	750227	50.0	48.1	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.494	0.003	48	313732	50.0	50.8	
88 Ethylbenzene	91	7.497	7.494	0.003	98	1179073	50.0	45.9	
90 m-Xylene & p-Xylene	106	7.588	7.586	0.002	0	510744	50.0	47.5	
91 o-Xylene	106	7.904	7.908	-0.004	95	530374	50.0	47.9	
92 Styrene	104	7.923	7.920	0.003	95	847535	50.0	48.3	
95 Bromoform	173	8.111	8.109	0.002	98	226369	50.0	55.7	
94 Isopropylbenzene	105	8.190	8.188	0.002	95	1283239	50.0	47.0	
101 Bromobenzene	156	8.470	8.468	0.002	93	350279	50.0	47.7	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.474	-0.004	95	412695	50.0	48.5	
100 1,2,3-Trichloropropane	110	8.507	8.510	-0.003	86	146416	50.0	48.5	
98 trans-1,4-Dichloro-2-buten	53	8.507	8.510	-0.003	76	129818	50.0	49.5	
99 N-Propylbenzene	91	8.519	8.523	-0.004	98	1373350	50.0	45.8	
103 2-Chlorotoluene	126	8.610	8.614	-0.004	97	322847	50.0	48.9	
102 1,3,5-Trimethylbenzene	105	8.659	8.656	0.003	96	1117462	50.0	47.8	
105 4-Chlorotoluene	126	8.701	8.699	0.002	96	331452	50.0	48.2	
106 tert-Butylbenzene	134	8.926	8.924	0.002	91	262279	50.0	49.9	
107 1,2,4-Trimethylbenzene	105	8.969	8.967	0.002	96	1152262	50.0	47.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.103	9.101	0.003	94	1295129	50.0	46.7	
110 4-Isopropyltoluene	119	9.218	9.216	0.002	97	1205952	50.0	47.5	
111 1,3-Dichlorobenzene	146	9.224	9.228	-0.004	99	663176	50.0	46.9	
113 1,4-Dichlorobenzene	146	9.298	9.301	-0.003	96	682777	50.0	48.0	
115 n-Butylbenzene	91	9.559	9.557	0.002	96	933777	50.0	45.8	
116 1,2-Dichlorobenzene	146	9.614	9.612	0.002	98	670932	50.0	47.3	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.269	0.002	90	108235	50.0	52.7	
119 1,2,4-Trichlorobenzene	180	10.934	10.932	0.002	95	483190	50.0	47.7	
120 Hexachlorobutadiene	225	11.043	11.047	-0.004	98	168135	50.0	44.8	
121 Naphthalene	128	11.135	11.138	-0.003	97	1592493	50.0	47.7	
122 1,2,3-Trichlorobenzene	180	11.329	11.327	0.002	96	465845	50.0	47.9	
S 125 1,2-Dichloroethene, Total	1				0			92.7	
S 126 1,3-Dichloropropene, Total	1				0			103.0	
S 123 Total BTEX	1				0			233.9	
S 124 Xylenes, Total	1				0			95.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added: 25.00	Units: uL		
GAS CORP mix_00116	Amount Added: 25.00	Units: uL		
Q_8260_IS_00103	Amount Added: 1.25	Units: uL	Run Reagent	
Q_8260_SURR_00096	Amount Added: 1.25	Units: uL	Run Reagent	

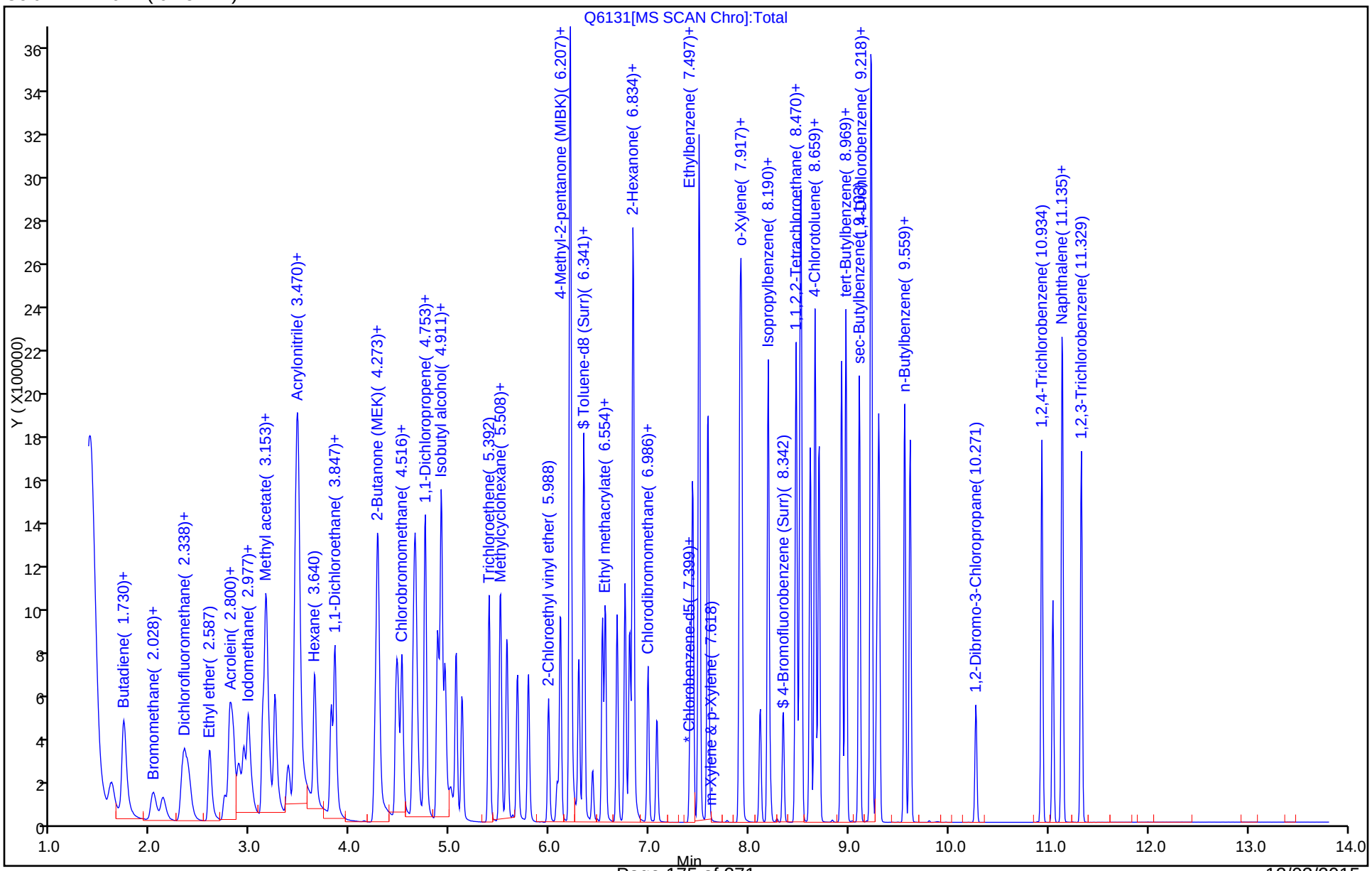
Report Date: 27-Oct-2015 21:06:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D

Injection Date:	26-Oct-2015 21:47:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

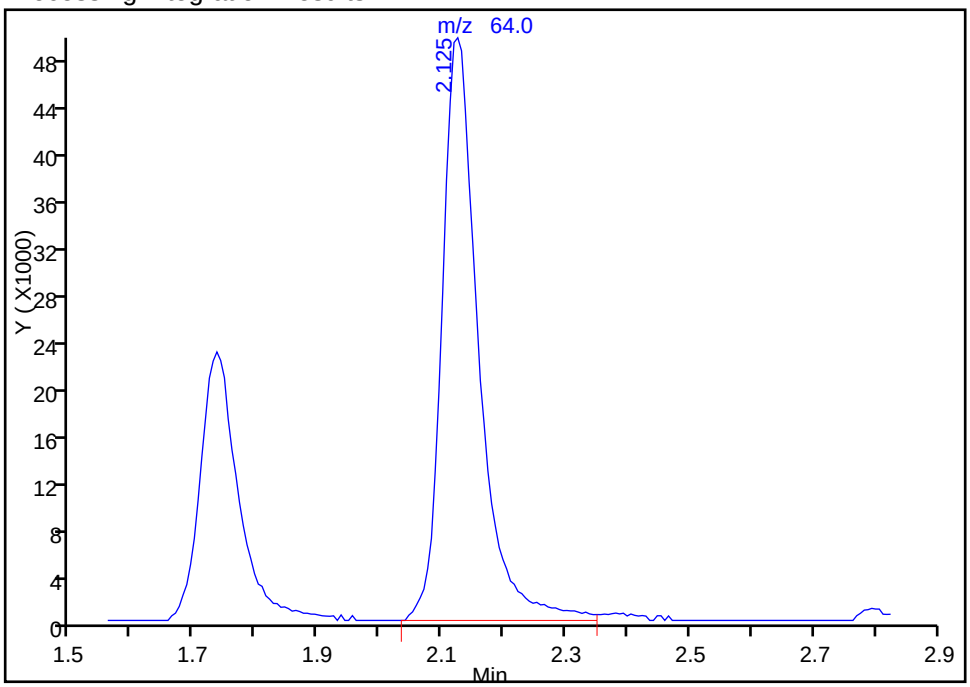
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D
Injection Date: 26-Oct-2015 21:47:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: JG ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

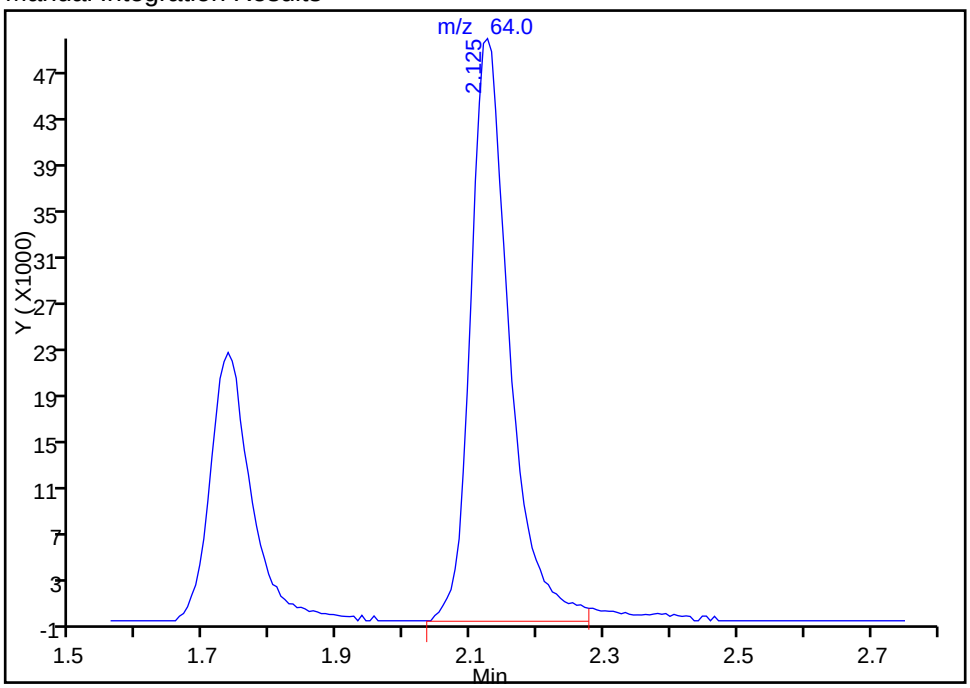
Processing Integration Results

RT: 2.13
Area: 204203
Amount: 45.674058
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 201568
Amount: 45.201253
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:35:09
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

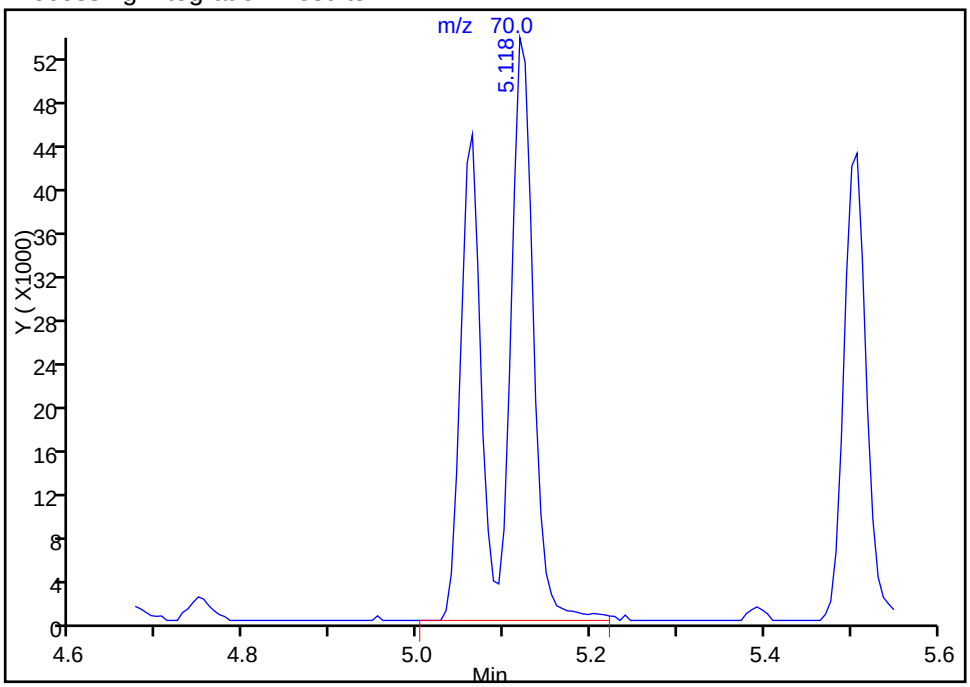
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D
Injection Date: 26-Oct-2015 21:47:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: JG ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

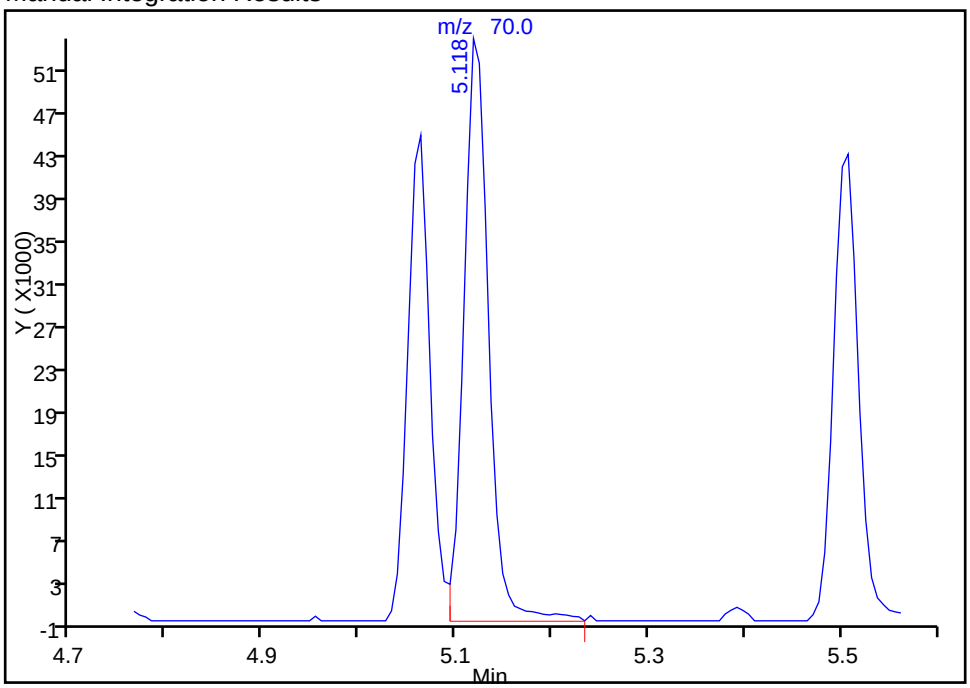
Processing Integration Results

RT: 5.12
Area: 165476
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 95216
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:42:35
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D
Lims ID: IC 8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 26-Oct-2015 22:13:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 8
Misc. Info.: 480-0047687-012
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:06:11 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:32:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.122	-0.004	99	108809	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.409	0.002	86	188592	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.277	0.002	94	217000	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.641	0.002	94	130679	25.0	22.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.891	0.002	0	76538	25.0	22.1	
$ 5 Toluene-d8 (Surr)	98	6.292	6.290	0.002	94	454372	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.340	0.002	95	154418	25.0	25.4	
10 Dichlorodifluoromethane	85	1.462	1.460	0.002	99	599060	100.0	80.9	
12 Chloromethane	50	1.614	1.593	0.021	99	647787	100.0	76.4	
13 Vinyl chloride	62	1.741	1.715	0.026	99	663026	100.0	80.7	
144 Butadiene	54	1.729	1.721	0.008	92	628579	100.0	79.7	
14 Bromomethane	94	2.027	2.013	0.014	90	426813	100.0	80.9	
15 Chloroethane	64	2.119	2.117	0.002	100	403672	100.0	79.2	M
16 Dichlorofluoromethane	67	2.331	2.324	0.007	98	965730	100.0	75.4	
17 Trichlorofluoromethane	101	2.368	2.348	0.020	99	874509	100.0	81.4	
18 Ethyl ether	59	2.587	2.585	0.002	91	602518	100.0	83.5	
20 Acrolein	56	2.745	2.743	0.002	100	455450	500.0	476.9	
22 1,1-Dichloroethene	96	2.788	2.792	-0.004	98	558902	100.0	85.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.818	2.816	0.002	91	572519	100.0	88.4	
23 Acetone	43	2.885	2.895	-0.010	100	1390279	500.0	492.2	
25 Iodomethane	142	2.934	2.932	0.002	99	1147091	100.0	85.5	
26 Carbon disulfide	76	2.976	2.974	0.002	99	1812386	100.0	83.8	
28 3-Chloro-1-propene	41	3.122	3.120	0.002	92	958106	100.0	77.5	
27 Methyl acetate	43	3.159	3.157	0.002	97	3972333	500.0	476.1	
30 Methylene Chloride	84	3.244	3.248	-0.004	94	620020	100.0	95.2	
31 2-Methyl-2-propanol	59	3.378	3.382	-0.004	100	1098630	1000.0	1117.0	
32 Methyl tert-butyl ether	73	3.445	3.443	0.002	95	2062774	100.0	83.0	
34 trans-1,2-Dichloroethene	96	3.457	3.455	0.002	99	614971	100.0	85.9	
33 Acrylonitrile	53	3.481	3.479	0.002	98	3728820	1000.0	780.5	
35 Hexane	57	3.639	3.644	-0.005	93	829012	100.0	87.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.808	0.002	97	1110512	100.0	85.1	
37 Vinyl acetate	43	3.846	3.844	0.002	97	2535277	200.0	169.5	
44 2,2-Dichloropropane	77	4.248	4.252	-0.004	87	613874	100.0	77.5	
45 cis-1,2-Dichloroethene	96	4.266	4.270	-0.004	84	666272	100.0	85.1	
43 2-Butanone (MEK)	43	4.284	4.282	0.002	100	2500285	500.0	405.5	
48 Chlorobromomethane	128	4.461	4.459	0.002	93	377152	100.0	90.6	
49 Tetrahydrofuran	42	4.479	4.483	-0.004	89	766506	200.0	171.2	
50 Chloroform	83	4.515	4.520	-0.005	95	1024732	100.0	84.3	
51 1,1,1-Trichloroethane	97	4.631	4.629	0.002	98	894793	100.0	86.3	
52 Cyclohexane	56	4.649	4.653	-0.004	92	1050102	100.0	86.7	
55 Carbon tetrachloride	117	4.747	4.745	0.002	99	859375	100.0	93.2	
54 1,1-Dichloropropene	75	4.753	4.751	0.002	96	829269	100.0	87.6	
53 Isobutyl alcohol	43	4.874	4.879	-0.005	94	1404480	2500.0	2541.4	
57 Benzene	78	4.911	4.915	-0.004	96	2286496	100.0	83.2	
58 1,2-Dichloroethane	62	4.947	4.952	-0.005	97	885652	100.0	82.6	
59 n-Heptane	43	5.057	5.061	-0.004	93	812118	100.0	86.8	
62 Trichloroethene	95	5.391	5.390	0.001	95	605890	100.0	87.3	
64 Methylcyclohexane	83	5.507	5.505	0.002	90	955750	100.0	88.0	
65 1,2-Dichloropropane	63	5.568	5.572	-0.004	95	589274	100.0	88.6	
66 1,4-Dioxane	88	5.671	5.676	-0.005	96	167058	2000.0	2349.7	
67 Dibromomethane	93	5.677	5.676	0.001	92	419242	100.0	91.0	
68 Dichlorobromomethane	83	5.787	5.785	0.002	99	808655	100.0	93.2	
69 2-Chloroethyl vinyl ether	63	5.988	5.986	0.002	93	474820	100.0	101.5	
77 trans-1,3-Dichloropropene	75	6.109	6.107	0.002	94	997276	100.0	100.6	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.205	0.002	89	4006384	500.0	374.6	
74 Toluene	92	6.340	6.339	0.001	98	1457756	100.0	93.0	
72 cis-1,3-Dichloropropene	75	6.529	6.527	0.002	97	929011	100.0	102.3	
75 Ethyl methacrylate	69	6.559	6.558	0.001	90	905055	100.0	98.2	
79 1,1,2-Trichloroethane	83	6.675	6.673	0.002	92	458334	100.0	98.0	
81 Tetrachloroethene	166	6.754	6.752	0.002	98	677285	100.0	98.3	
82 1,3-Dichloropropane	76	6.803	6.801	0.002	88	963970	100.0	99.3	
80 2-Hexanone	43	6.839	6.831	0.008	91	2924951	500.0	385.3	
83 Chlorodibromomethane	129	6.985	6.983	0.002	90	736803	100.0	112.0	
84 Ethylene Dibromide	107	7.077	7.075	0.002	99	643219	100.0	102.5	
87 Chlorobenzene	112	7.435	7.434	0.001	95	1610972	100.0	95.1	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.494	0.002	49	676211	100.0	100.7	
88 Ethylbenzene	91	7.496	7.494	0.002	97	2428329	100.0	87.0	
90 m-Xylene & p-Xylene	106	7.588	7.586	0.002	0	1119110	100.0	95.7	
91 o-Xylene	106	7.910	7.908	0.002	94	1134632	100.0	94.3	
92 Styrene	104	7.922	7.920	0.002	95	1816317	100.0	95.2	
95 Bromoform	173	8.111	8.109	0.002	98	523367	100.0	118.5	
94 Isopropylbenzene	105	8.190	8.188	0.002	96	2614643	100.0	88.0	
101 Bromobenzene	156	8.470	8.468	0.002	91	768776	100.0	96.3	
97 1,1,2,2-Tetrachloroethane	83	8.476	8.474	0.002	97	873686	100.0	94.5	
100 1,2,3-Trichloropropane	110	8.512	8.510	0.002	85	317839	100.0	96.9	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.510	0.002	76	289930	100.0	101.8	
99 N-Propylbenzene	91	8.524	8.523	0.001	96	2790533	100.0	85.5	
103 2-Chlorotoluene	126	8.616	8.614	0.002	98	701612	100.0	97.8	
102 1,3,5-Trimethylbenzene	105	8.664	8.656	0.008	97	2261409	100.0	89.1	
105 4-Chlorotoluene	126	8.701	8.699	0.002	96	732729	100.0	97.9	
106 tert-Butylbenzene	134	8.926	8.924	0.002	92	572209	100.0	100.1	
107 1,2,4-Trimethylbenzene	105	8.969	8.967	0.001	96	2323370	100.0	88.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.101	0.002	94	2663400	100.0	88.3	
110 4-Isopropyltoluene	119	9.218	9.216	0.002	98	2444225	100.0	88.5	
111 1,3-Dichlorobenzene	146	9.230	9.228	0.002	98	1422448	100.0	92.5	
113 1,4-Dichlorobenzene	146	9.303	9.301	0.002	95	1449637	100.0	93.8	
115 n-Butylbenzene	91	9.559	9.557	0.002	96	1954732	100.0	88.2	
116 1,2-Dichlorobenzene	146	9.613	9.612	0.001	98	1405626	100.0	91.2	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.269	0.001	91	221829	100.0	99.4	
119 1,2,4-Trichlorobenzene	180	10.933	10.932	0.001	95	904936	100.0	82.2	
120 Hexachlorobutadiene	225	11.049	11.047	0.002	98	334114	100.0	82.0	
121 Naphthalene	128	11.140	11.138	0.002	98	2792019	100.0	77.0	
122 1,2,3-Trichlorobenzene	180	11.329	11.327	0.002	96	852260	100.0	80.5	
S 125 1,2-Dichloroethene, Total	1				0			171.0	
S 126 1,3-Dichloropropene, Total	1				0			202.9	
S 123 Total BTEX	1				0			453.2	
S 124 Xylenes, Total	1				0			190.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added: 50.00	Units: uL		
GAS CORP mix_00116	Amount Added: 50.00	Units: uL		
Q_8260_IS_00103	Amount Added: 1.25	Units: uL	Run Reagent	
Q_8260_SURR_00096	Amount Added: 1.25	Units: uL	Run Reagent	

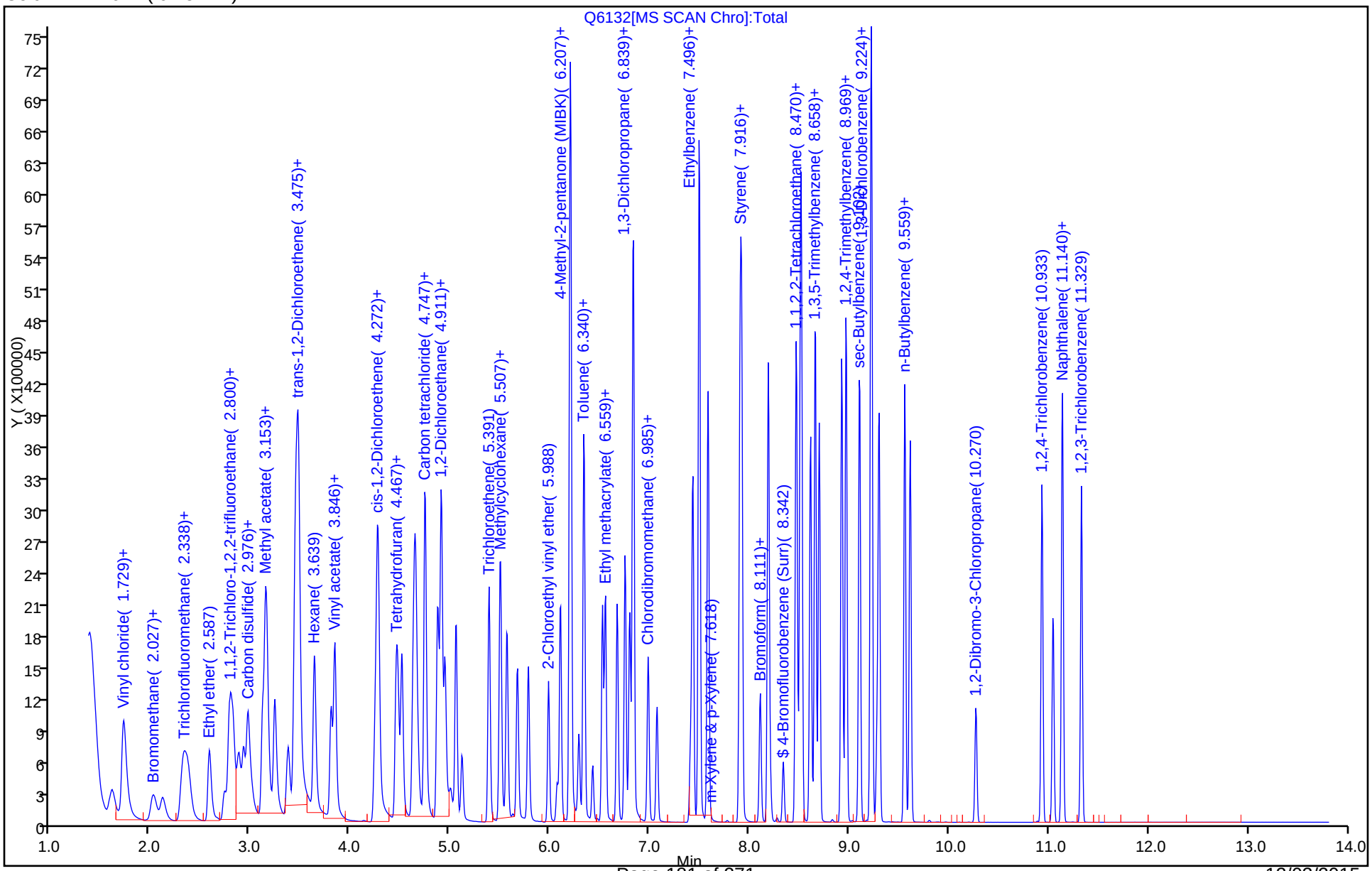
Report Date: 27-Oct-2015 21:06:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D

Injection Date:	26-Oct-2015 22:13:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 8			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

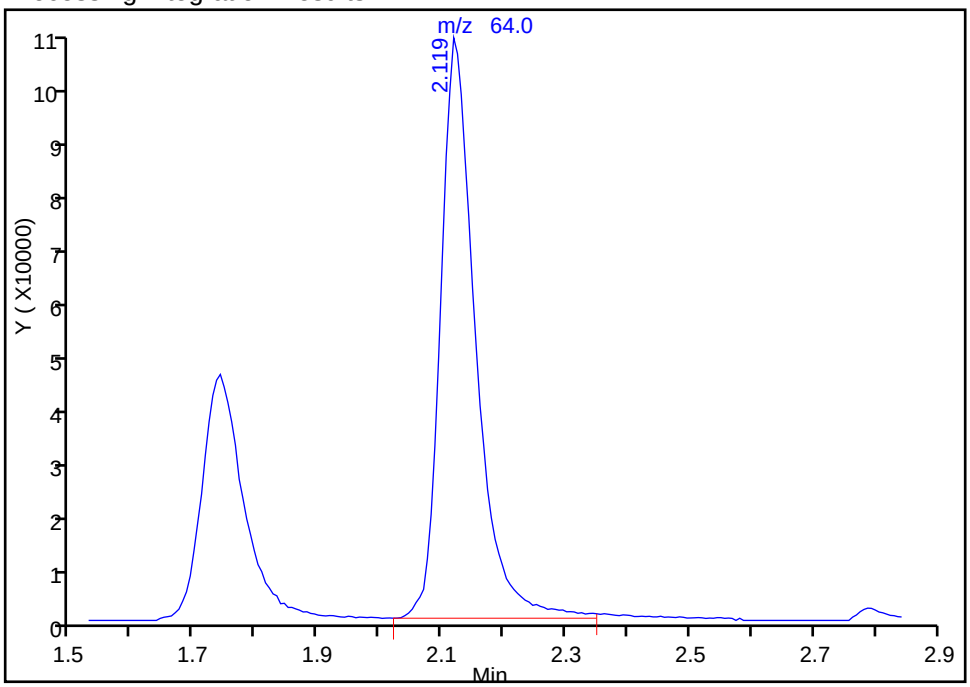
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D
Injection Date: 26-Oct-2015 22:13:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: JG ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

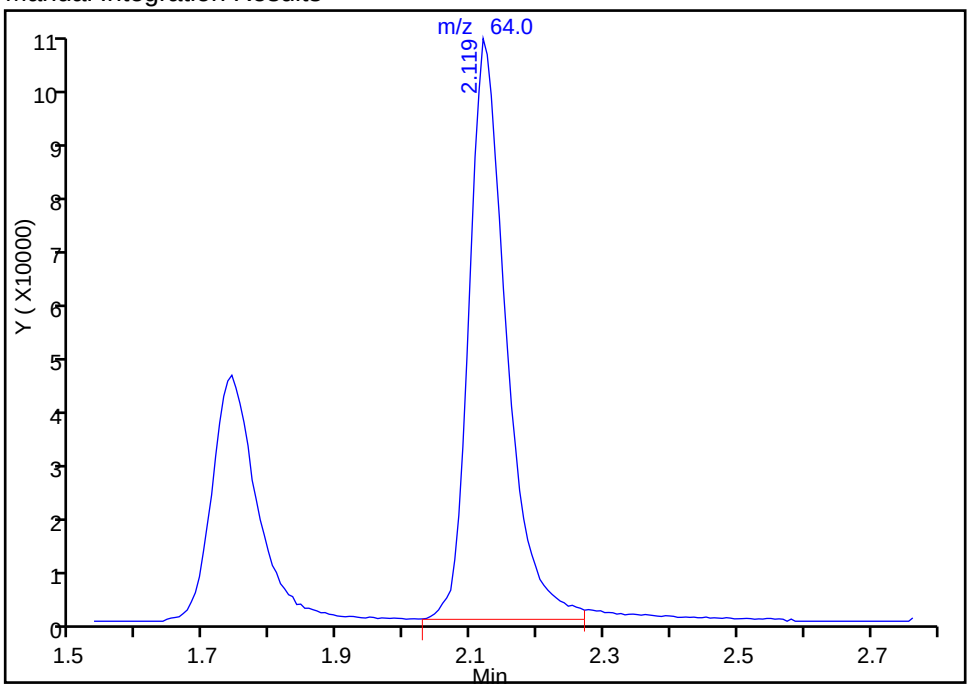
Processing Integration Results

RT: 2.12
Area: 408190
Amount: 80.012037
Amount Units: ug/L



Manual Integration Results

RT: 2.12
Area: 403672
Amount: 79.214124
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:36:30
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

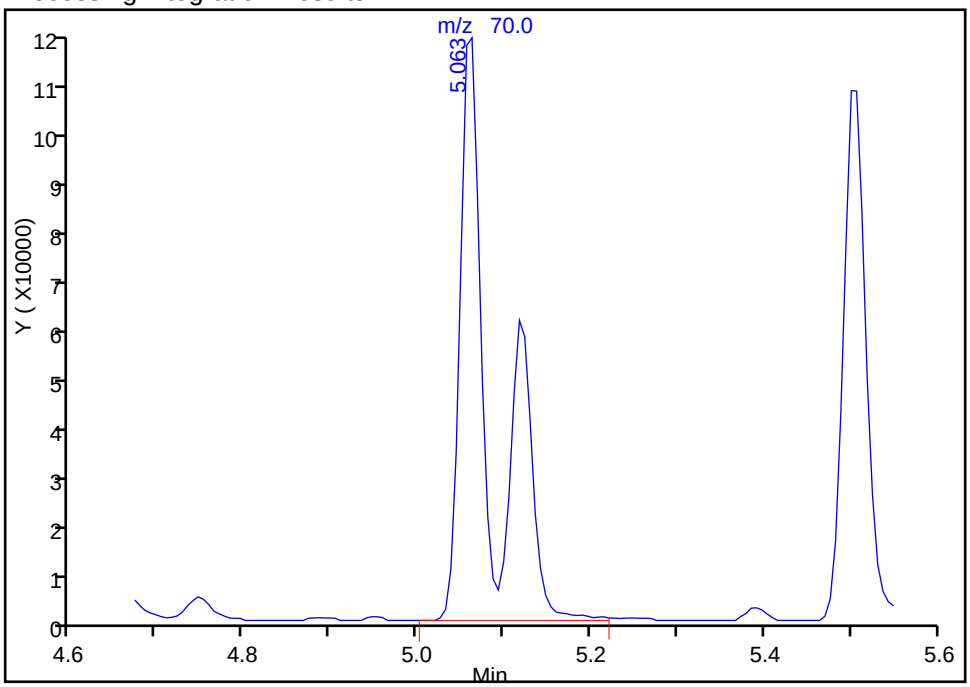
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D
Injection Date: 26-Oct-2015 22:13:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: JG ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

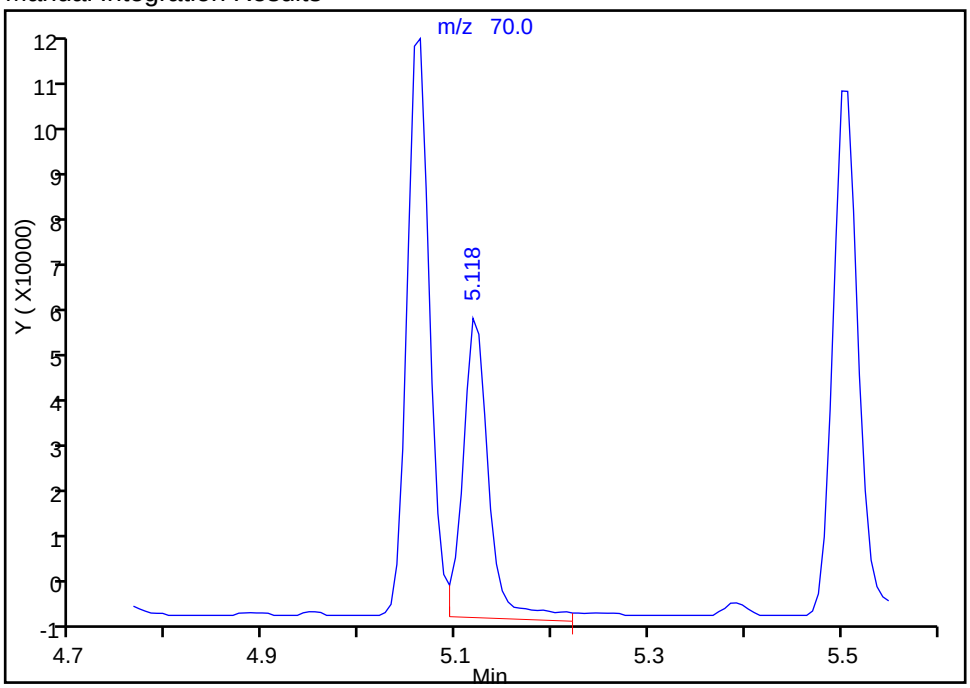
Processing Integration Results

RT: 5.06
Area: 283698
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 108809
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:53:18
Audit Action: Manually Integrated
Audit Reason: Shouldering

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab Sample ID: CCVIS 480-276587/3 Calibration Date: 11/23/2015 23:52

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2664.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.838	1.320	0.1000	35.9	50.0	-28.2	50.0
Chloromethane	Ave	1.477	1.269	0.1000	43.0	50.0	-14.1	20.0
Vinyl chloride	Ave	1.269	1.096	0.1000	43.2	50.0	-13.7	20.0
Butadiene	Ave	1.295	1.132		43.7	50.0	-12.6	20.0
Bromomethane	Ave	0.8267	0.7041	0.1000	42.6	50.0	-14.8	50.0
Chloroethane	Ave	0.6878	0.6043	0.1000	43.9	50.0	-12.1	50.0
Dichlorofluoromethane	Ave	1.921	1.658		43.2	50.0	-13.7	20.0
Trichlorofluoromethane	Ave	1.940	1.534	0.1000	39.5	50.0	-20.9*	20.0
Ethyl ether	Ave	1.304	1.070		41.0	50.0	-17.9	20.0
Acrolein	Ave	0.3140	0.3627		289	250	15.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.405	1.169	0.1000	41.6	50.0	-16.8	20.0
1,1-Dichloroethene	Ave	1.458	1.274	0.1000	43.7	50.0	-12.6	20.0
Acetone	Ave	0.5347	0.6526	0.1000	305	250	22.1	50.0
Iodomethane	Ave	2.585	2.302		44.5	50.0	-10.9	20.0
Carbon disulfide	Ave	4.707	4.252	0.1000	45.2	50.0	-9.7	20.0
Methyl acetate	Ave	1.445	1.694	0.1000	293	250	17.3	50.0
Allyl chloride	Ave	2.672	2.584		48.4	50.0	-3.3	20.0
Methylene Chloride	Ave	1.802	1.589	0.1000	44.1	50.0	-11.8	20.0
2-Methyl-2-propanol	Ave	0.1887	0.2353		623	500	24.7	50.0
Methyl tert-butyl ether	Ave	4.531	4.314	0.1000	47.6	50.0	-4.8	20.0
trans-1,2-Dichloroethene	Ave	1.591	1.484	0.1000	46.6	50.0	-6.8	20.0
Acrylonitrile	Ave	0.6460	0.7602		588	500	17.7	20.0
Hexane	Ave	2.865	2.503		43.7	50.0	-12.6	20.0
Vinyl acetate	Ave	2.894	3.255		112	100	12.5	20.0
1,1-Dichloroethane	Ave	2.862	2.614	0.2000	45.7	50.0	-8.7	20.0
2,2-Dichloropropane	Ave	2.080	1.856		44.6	50.0	-10.8	20.0
2-Butanone (MEK)	Ave	0.8203	1.060	0.1000	323	250	29.3*	20.0
cis-1,2-Dichloroethene	Ave	1.706	1.576	0.1000	46.2	50.0	-7.6	20.0
Chlorobromomethane	Ave	0.8291	0.7819		47.2	50.0	-5.7	20.0
Tetrahydrofuran	Ave	0.5821	0.7324		126	100	25.8*	20.0
Chloroform	Ave	2.627	2.391	0.2000	45.5	50.0	-9.0	20.0
1,1,1-Trichloroethane	Ave	2.186	1.889	0.1000	43.2	50.0	-13.6	20.0
Cyclohexane	Ave	2.761	2.474	0.1000	44.8	50.0	-10.4	20.0
1,1-Dichloropropene	Ave	2.133	1.952		45.8	50.0	-8.5	20.0
Carbon tetrachloride	Ave	1.895	1.627	0.1000	42.9	50.0	-14.1	20.0
Isobutyl alcohol	Ave	0.0787	0.1113		1770	1250	41.4	50.0
Benzene	Ave	6.300	5.894	0.5000	46.8	50.0	-6.4	20.0
1,2-Dichloroethane	Ave	2.073	1.866	0.1000	45.0	50.0	-10.0	20.0
n-Heptane	Ave	2.888	2.624		45.4	50.0	-9.1	20.0
Trichloroethene	Ave	1.577	1.428	0.2000	45.3	50.0	-9.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab Sample ID: CCVIS 480-276587/3 Calibration Date: 11/23/2015 23:52

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2664.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.707	2.391	0.1000	44.2	50.0	-11.7	20.0
1,2-Dichloropropane	Ave	1.520	1.458	0.1000	48.0	50.0	-4.1	20.0
1,4-Dioxane	Lin1		0.0097		1300	1000	29.9	50.0
Dibromomethane	Ave	0.8827	0.8594	0.1000	48.7	50.0	-2.6	20.0
Bromodichloromethane	Ave	1.824	1.696	0.2000	46.5	50.0	-7.0	20.0
2-Chloroethyl vinyl ether	Ave	0.7670	0.8394		54.7	50.0	9.4	20.0
cis-1,3-Dichloropropene	Ave	2.292	2.244	0.2000	49.0	50.0	-2.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8296	0.9891	0.1000	298	250	19.2	20.0
Toluene	Ave	1.983	1.884	0.4000	47.5	50.0	-5.0	20.0
Ethyl methacrylate	Ave	0.9290	0.9940		53.5	50.0	7.0	20.0
trans-1,3-Dichloropropene	Ave	1.027	1.026	0.1000	50.0	50.0	-0.0	20.0
1,1,2-Trichloroethane	Ave	0.5468	0.5430	0.1000	49.7	50.0	-0.7	20.0
Tetrachloroethene	Ave	0.7971	0.7279	0.2000	45.7	50.0	-8.7	20.0
1,3-Dichloropropane	Ave	1.131	1.128		49.9	50.0	-0.2	20.0
2-Hexanone	Ave	0.5916	0.7535	0.1000	318	250	27.4*	20.0
Dibromochloromethane	Ave	0.6899	0.6789	0.1000	49.2	50.0	-1.6	20.0
1,2-Dibromoethane	Ave	0.6776	0.6818		50.3	50.0	0.6	20.0
Chlorobenzene	Ave	2.167	2.007	0.5000	46.3	50.0	-7.4	20.0
Ethylbenzene	Ave	3.588	3.370	0.1000	47.0	50.0	-6.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6993	0.6505		46.5	50.0	-7.0	20.0
m,p-Xylene	Ave	1.543	1.352	0.1000	43.8	50.0	-12.4	20.0
o-Xylene	Ave	1.390	1.284	0.3000	46.2	50.0	-7.7	20.0
Styrene	Ave	2.237	2.183	0.3000	48.8	50.0	-2.4	20.0
Bromoform	Ave	0.3663	0.3551	0.1000	48.5	50.0	-3.1	50.0
Isopropylbenzene	Ave	3.702	3.602	0.1000	48.6	50.0	-2.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9009	1.012	0.3000	56.2	50.0	12.4	20.0
Bromobenzene	Ave	0.9441	0.9207		48.8	50.0	-2.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3136	0.3638		58.0	50.0	16.0	50.0
N-Propylbenzene	Ave	4.382	4.341		49.5	50.0	-0.9	20.0
1,2,3-Trichloropropane	Ave	0.2939	0.3175		54.0	50.0	8.0	20.0
2-Chlorotoluene	Ave	0.9135	0.8882		48.6	50.0	-2.8	20.0
1,3,5-Trimethylbenzene	Ave	3.121	3.015		48.3	50.0	-3.4	20.0
4-Chlorotoluene	Ave	0.9681	0.9543		49.3	50.0	-1.4	20.0
tert-Butylbenzene	Ave	0.7072	0.6718		47.5	50.0	-5.0	20.0
1,2,4-Trimethylbenzene	Ave	3.217	3.100		48.2	50.0	-3.7	20.0
sec-Butylbenzene	Ave	3.975	3.828		48.2	50.0	-3.7	20.0
4-Isopropyltoluene	Ave	3.443	3.329		48.3	50.0	-3.3	20.0
1,3-Dichlorobenzene	Ave	1.823	1.787	0.6000	49.0	50.0	-1.9	20.0
1,4-Dichlorobenzene	Ave	1.848	1.797	0.5000	48.6	50.0	-2.8	20.0
n-Butylbenzene	Ave	2.999	3.005		50.1	50.0	0.2	20.0
1,2-Dichlorobenzene	Ave	1.705	1.656	0.4000	48.6	50.0	-2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab Sample ID: CCVIS 480-276587/3 Calibration Date: 11/23/2015 23:52

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2664.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1532	0.1738	0.0500	56.7	50.0	13.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9328	0.9181	0.2000	49.2	50.0	-1.6	20.0
Hexachlorobutadiene	Ave	0.4124	0.3802		46.1	50.0	-7.8	20.0
Naphthalene	Ave	3.019	3.005		49.8	50.0	-0.5	20.0
1,2,3-Trichlorobenzene	Ave	0.8693	0.8464		48.7	50.0	-2.6	20.0
Dibromofluoromethane (Surr)	Ave	1.016	0.8581		42.2	50.0	-15.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6126	0.5148		42.0	50.0	-16.0	20.0
Toluene-d8 (Surr)	Ave	2.052	1.748		42.6	50.0	-14.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5568	0.4686		42.1	50.0	-15.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2664.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Nov-2015 23:52:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0048640-003
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 10:39:57 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: HillL Date: 24-Nov-2015 10:39:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	205260	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	399743	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	352847	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	91	176129	50.0	42.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	105666	50.0	42.0	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	698656	50.0	42.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.416	0.000	86	187314	50.0	42.1	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	100	271033	50.0	35.9	
12 Chloromethane	50	2.061	2.061	0.000	100	260565	50.0	43.0	
13 Vinyl chloride	62	2.176	2.176	0.000	98	224881	50.0	43.2	
151 Butadiene	54	2.182	2.182	0.000	92	232301	50.0	43.7	
14 Bromomethane	94	2.456	2.456	0.000	90	144530	50.0	42.6	
15 Chloroethane	64	2.523	2.523	0.000	99	124045	50.0	43.9	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	98	340303	50.0	43.2	
17 Trichlorofluoromethane	101	2.705	2.705	0.000	99	314774	50.0	39.5	
18 Ethyl ether	59	2.906	2.906	0.000	93	219572	50.0	41.0	
20 Acrolein	56	3.064	3.064	0.000	99	372281	250.0	288.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	94	239979	50.0	41.6	
22 1,1-Dichloroethene	96	3.119	3.119	0.000	99	261573	50.0	43.7	
23 Acetone	43	3.174	3.174	0.000	100	669771	250.0	305.2	
25 Iodomethane	142	3.277	3.277	0.000	98	472606	50.0	44.5	
26 Carbon disulfide	76	3.332	3.332	0.000	99	872777	50.0	45.2	
27 Methyl acetate	43	3.393	3.393	0.000	98	1738411	250.0	293.1	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	93	530349	50.0	48.4	
30 Methylene Chloride	84	3.508	3.508	0.000	96	326123	50.0	44.1	
31 2-Methyl-2-propanol	59	3.557	3.557	0.000	99	482967	500.0	623.4	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	96	885492	50.0	47.6	
34 trans-1,2-Dichloroethene	96	3.691	3.691	0.000	99	304542	50.0	46.6	
33 Acrylonitrile	53	3.709	3.709	0.000	99	1560299	500.0	588.4	
35 Hexane	57	3.831	3.831	0.000	94	513698	50.0	43.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.007	4.007	0.000	97	1336237	100.0	112.5	
39 1,1-Dichloroethane	63	4.026	4.026	0.000	96	536619	50.0	45.7	
43 2-Butanone (MEK)	43	4.464	4.464	0.000	100	1088149	250.0	323.1	
44 2,2-Dichloropropane	77	4.464	4.464	0.000	55	381038	50.0	44.6	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	80	323484	50.0	46.2	
48 Chlorobromomethane	128	4.683	4.683	0.000	97	160498	50.0	47.2	
49 Tetrahydrofuran	42	4.701	4.701	0.000	92	300682	100.0	125.8	
50 Chloroform	83	4.719	4.719	0.000	95	490792	50.0	45.5	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	98	387799	50.0	43.2	
52 Cyclohexane	56	4.889	4.889	0.000	92	507777	50.0	44.8	
54 1,1-Dichloropropene	75	4.975	4.975	0.000	95	400677	50.0	45.8	
55 Carbon tetrachloride	117	4.987	4.987	0.000	98	333926	50.0	42.9	
53 Isobutyl alcohol	43	5.041	5.041	0.000	96	571197	1250.0	1767.3	
57 Benzene	78	5.163	5.163	0.000	97	1209820	50.0	46.8	
58 1,2-Dichloroethane	62	5.200	5.200	0.000	96	382947	50.0	45.0	
59 n-Heptane	43	5.254	5.254	0.000	95	538670	50.0	45.4	
62 Trichloroethene	95	5.686	5.686	0.000	97	293123	50.0	45.3	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	490804	50.0	44.2	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	96	299319	50.0	48.0	
66 1,4-Dioxane	88	6.009	6.009	0.000	95	77450	1000.0	1299.3	M
67 Dibromomethane	93	6.033	6.033	0.000	96	176404	50.0	48.7	
68 Dichlorobromomethane	83	6.143	6.143	0.000	100	348050	50.0	46.5	
69 2-Chloroethyl vinyl ether	63	6.356	6.356	0.000	92	172301	50.0	54.7	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	460561	50.0	49.0	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	97	1977008	250.0	298.1	
74 Toluene	92	6.818	6.818	0.000	99	753285	50.0	47.5	
75 Ethyl methacrylate	69	7.037	7.037	0.000	83	397357	50.0	53.5	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	93	410014	50.0	50.0	
79 1,1,2-Trichloroethane	83	7.238	7.238	0.000	91	217069	50.0	49.7	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	290971	50.0	45.7	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	95	450997	50.0	49.9	
80 2-Hexanone	43	7.414	7.414	0.000	96	1505970	250.0	318.4	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	271368	50.0	49.2	
84 Ethylene Dibromide	107	7.773	7.773	0.000	99	272535	50.0	50.3	
87 Chlorobenzene	112	8.223	8.223	0.000	95	802448	50.0	46.3	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1347010	50.0	47.0	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	260012	50.0	46.5	
90 m-Xylene & p-Xylene	106	8.406	8.406	0.000	99	540288	50.0	43.8	
91 o-Xylene	106	8.838	8.838	0.000	96	513231	50.0	46.2	
92 Styrene	104	8.856	8.856	0.000	95	872669	50.0	48.8	
95 Bromoform	173	9.130	9.130	0.000	96	141930	50.0	48.5	
94 Isopropylbenzene	105	9.203	9.203	0.000	96	1270791	50.0	48.6	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	95	357223	50.0	56.2	
101 Bromobenzene	156	9.586	9.586	0.000	93	324856	50.0	48.8	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	59	128363	50.0	58.0	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	1531652	50.0	49.5	
100 1,2,3-Trichloropropane	110	9.635	9.635	0.000	83	112036	50.0	54.0	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	313396	50.0	48.6	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	95	1063983	50.0	48.3	
105 4-Chlorotoluene	126	9.860	9.860	0.000	97	336730	50.0	49.3	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	237050	50.0	47.5	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	1093648	50.0	48.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	94	1350617	50.0	48.2	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	97	1174466	50.0	48.3	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	630559	50.0	49.0	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	633971	50.0	48.6	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	1060457	50.0	50.1	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	584362	50.0	48.6	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	85	61307	50.0	56.7	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	95	323947	50.0	49.2	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	134135	50.0	46.1	
121 Naphthalene	128	12.445	12.445	0.000	97	1060246	50.0	49.8	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	97	298644	50.0	48.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00121	Amount Added:	25.00	Units: uL	
8260 CORP mix_00059	Amount Added:	25.00	Units: uL	
F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00400	Amount Added:	1.00	Units: uL	Run Reagent

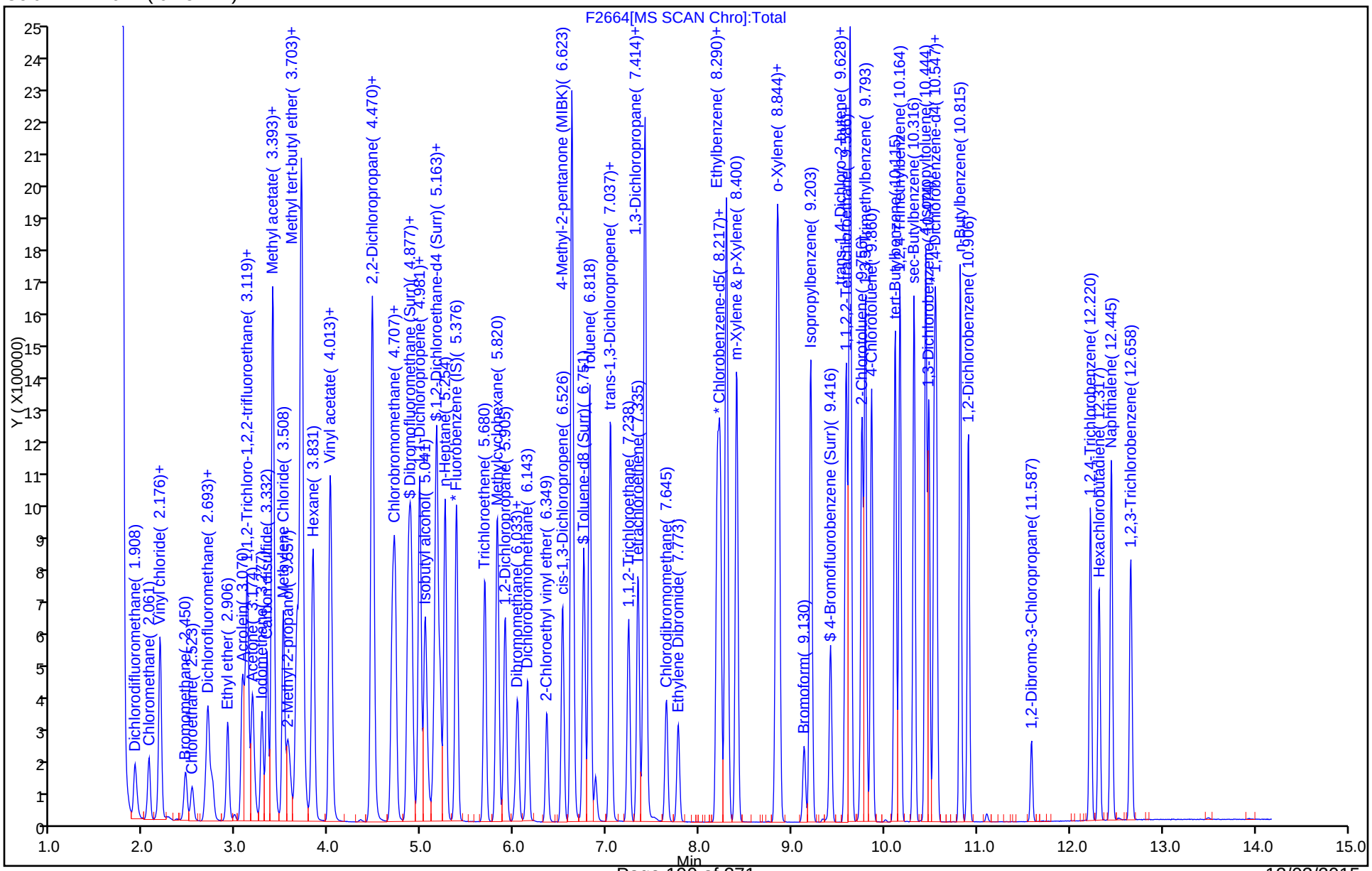
Report Date: 24-Nov-2015 10:40:00 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2664.D

Injection Date:	23-Nov-2015 23:52:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

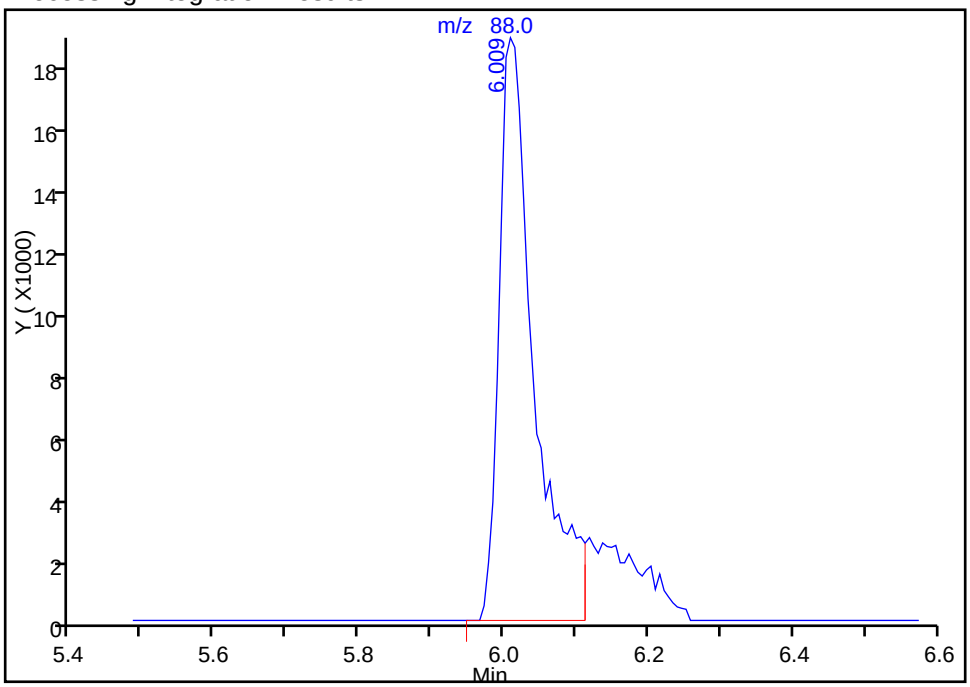
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2664.D
Injection Date: 23-Nov-2015 23:52:30 Instrument ID: HP5973F
Lims ID: CCVIS
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

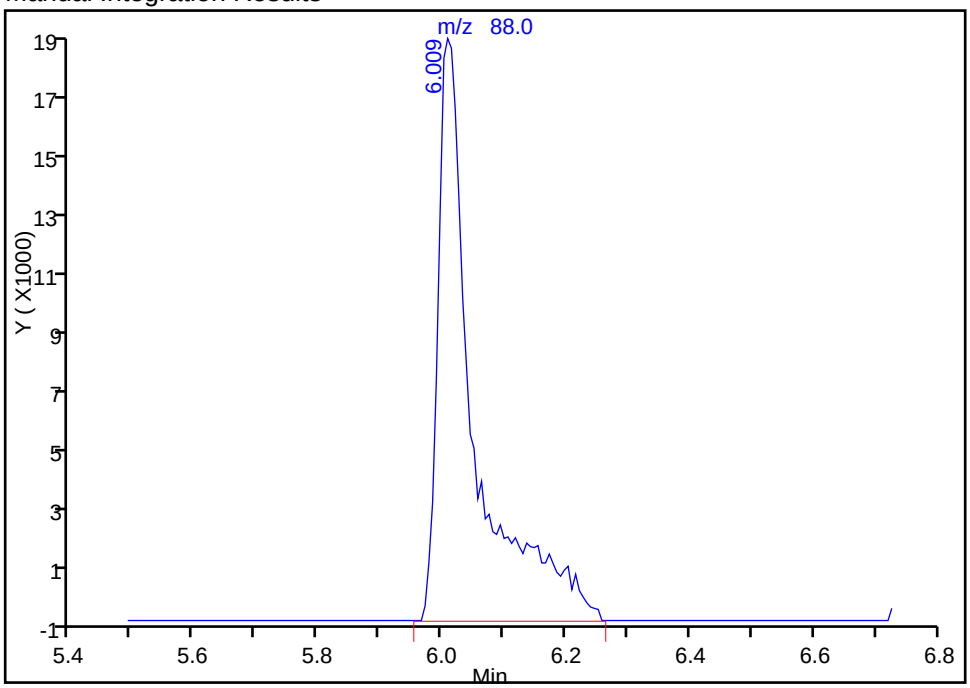
Processing Integration Results

RT: 6.01
Area: 63567
Amount: 1072.7828
Amount Units: ug/kg



Manual Integration Results

RT: 6.01
Area: 77450
Amount: 1299.3275
Amount Units: ug/kg



Reviewer: diasn, 24-Nov-2015 00:21:07
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab Sample ID: CCVIS 480-276597/2 Calibration Date: 11/24/2015 01:42

Instrument ID: HP5973Q Calib Start Date: 10/26/2015 19:12

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/26/2015 22:13

Lab File ID: Q6829.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.700	2.237	0.1000	32.9	25.0	31.6	50.0
Chloromethane	Ave	1.948	2.107	0.1000	27.0	25.0	8.2	20.0
Butadiene	Ave	1.812	2.104		29.0	25.0	16.1	20.0
Vinyl chloride	Ave	1.887	2.116	0.1000	28.0	25.0	12.2	20.0
Bromomethane	Ave	1.212	0.8723	0.1000	18.0	25.0	-28.0	50.0
Chloroethane	Ave	1.171	1.132	0.1000	24.2	25.0	-3.3	50.0
Trichlorofluoromethane	Ave	2.470	2.439	0.1000	24.7	25.0	-1.2	20.0
Dichlorofluoromethane	Ave	2.941	2.703		23.0	25.0	-8.1	20.0
Ethyl ether	Ave	1.657	1.665		25.1	25.0	0.5	20.0
Acrolein	Ave	0.2194	0.5563		317	125	153.5*	50.0
1,1-Dichloroethene	Ave	1.502	1.702	0.1000	28.3	25.0	13.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.488	1.688	0.1000	28.4	25.0	13.4	20.0
Acetone	Lin1		1.034	0.1000	197	125	57.3*	50.0
Iodomethane	Ave	3.083	3.365		27.3	25.0	9.1	20.0
Carbon disulfide	Ave	4.966	5.278	0.1000	26.6	25.0	6.3	20.0
Allyl chloride	Ave	2.840	2.668		23.5	25.0	-6.0	20.0
Methyl acetate	Lin1		2.289	0.1000	148	125	18.0	50.0
Methylene Chloride	Lin1		1.774	0.1000	29.1	25.0	16.2	20.0
2-Methyl-2-propanol	Ave	0.2260	0.5190		574	250	129.6*	50.0
Methyl tert-butyl ether	Ave	5.708	5.461	0.1000	23.9	25.0	-4.3	20.0
trans-1,2-Dichloroethene	Ave	1.645	1.783	0.1000	27.1	25.0	8.4	20.0
Acrylonitrile	Ave	1.098	1.088		248	250	-0.9	20.0
Hexane	Ave	2.186	2.469		28.2	25.0	12.9	20.0
1,1-Dichloroethane	Ave	2.999	3.048	0.2000	25.4	25.0	1.6	20.0
Vinyl acetate	Ave	3.437	3.725		54.2	50.0	8.4	20.0
2,2-Dichloropropane	Ave	1.820	1.605		22.1	25.0	-11.8	20.0
cis-1,2-Dichloroethene	Ave	1.798	1.882	0.1000	26.2	25.0	4.6	20.0
2-Butanone (MEK)	Ave	1.417	1.591	0.1000	140	125	12.3	20.0
Chlorobromomethane	Ave	0.9565	1.044		27.3	25.0	9.2	20.0
Tetrahydrofuran	Ave	1.028	1.120		54.4	50.0	8.9	20.0
Chloroform	Ave	2.794	2.777	0.2000	24.9	25.0	-0.6	20.0
1,1,1-Trichloroethane	Ave	2.381	2.249	0.1000	23.6	25.0	-5.5	20.0
Cyclohexane	Ave	2.784	3.096	0.1000	27.8	25.0	11.2	20.0
1,1-Dichloropropene	Ave	2.175	2.342		26.9	25.0	7.7	20.0
Carbon tetrachloride	Ave	2.119	1.896	0.1000	22.4	25.0	-10.5	20.0
Isobutyl alcohol	Lin		0.2118		1040	625	66.5*	50.0
Benzene	Ave	6.315	6.538	0.5000	25.9	25.0	3.5	20.0
1,2-Dichloroethane	Ave	2.464	2.278	0.1000	23.1	25.0	-7.5	20.0
n-Heptane	Ave	2.150	2.202		25.6	25.0	2.4	20.0
Trichloroethene	Ave	1.594	1.731	0.2000	27.1	25.0	8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab Sample ID: CCVIS 480-276597/2 Calibration Date: 11/24/2015 01:42

Instrument ID: HP5973Q Calib Start Date: 10/26/2015 19:12

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/26/2015 22:13

Lab File ID: Q6829.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.495	2.850	0.1000	28.6	25.0	14.2	20.0
1,2-Dichloropropane	Ave	1.528	1.617	0.1000	26.4	25.0	5.8	20.0
1,4-Dioxane	Ave	0.0094	0.0148		784	500	56.8*	50.0
Dibromomethane	Ave	1.059	1.105	0.1000	26.1	25.0	4.4	20.0
Bromodichloromethane	Ave	1.993	1.994	0.2000	25.0	25.0	0.0	20.0
2-Chloroethyl vinyl ether	Ave	1.075	1.232		28.7	25.0	14.6	20.0
trans-1,3-Dichloropropene	Ave	1.314	1.349	0.1000	25.7	25.0	2.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.418	1.456	0.1000	128	125	2.7	20.0
Toluene	Ave	2.078	2.184	0.4000	26.3	25.0	5.1	20.0
cis-1,3-Dichloropropene	Ave	2.087	2.229	0.2000	26.7	25.0	6.8	20.0
Ethyl methacrylate	Ave	1.222	1.310		26.8	25.0	7.2	20.0
1,1,2-Trichloroethane	Ave	0.6198	0.6495	0.1000	26.2	25.0	4.8	20.0
Tetrachloroethene	Ave	0.9131	1.061	0.2000	29.0	25.0	16.2	20.0
1,3-Dichloropropane	Ave	1.287	1.387		27.0	25.0	7.8	20.0
2-Hexanone	Ave	1.006	1.086	0.1000	135	125	7.9	20.0
Dibromochloromethane	Ave	0.8718	0.8824	0.1000	25.3	25.0	1.2	20.0
1,2-Dibromoethane	Ave	0.8322	0.9008		27.1	25.0	8.2	20.0
Chlorobenzene	Ave	2.247	2.457	0.5000	27.3	25.0	9.4	20.0
Ethylbenzene	Ave	3.701	3.869	0.1000	26.1	25.0	4.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8898	0.8666		24.3	25.0	-2.6	20.0
m,p-Xylene	Ave	1.550	1.667	0.1000	26.9	25.0	7.6	20.0
o-Xylene	Ave	1.595	1.680	0.3000	26.3	25.0	5.3	20.0
Styrene	Ave	2.529	2.666	0.3000	26.4	25.0	5.4	20.0
Bromoform	Ave	0.5854	0.5704	0.1000	24.4	25.0	-2.6	50.0
Isopropylbenzene	Ave	3.422	3.615	0.1000	26.4	25.0	5.6	20.0
Bromobenzene	Ave	0.9200	0.9689		26.3	25.0	5.3	20.0
1,1,2,2-Tetrachloroethane	Ave	1.065	1.092	0.3000	25.6	25.0	2.6	20.0
1,2,3-Trichloropropane	Ave	0.3778	0.3855		25.5	25.0	2.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3282	0.3007		22.9	25.0	-8.4	50.0
N-Propylbenzene	Ave	3.759	3.982		26.5	25.0	6.0	20.0
2-Chlorotoluene	Ave	0.8264	0.8849		26.8	25.0	7.1	20.0
1,3,5-Trimethylbenzene	Ave	2.926	3.090		26.4	25.0	5.6	20.0
4-Chlorotoluene	Ave	0.8620	0.9202		26.7	25.0	6.8	20.0
tert-Butylbenzene	Ave	0.6586	0.7328		27.8	25.0	11.3	20.0
1,2,4-Trimethylbenzene	Ave	3.019	3.175		26.3	25.0	5.2	20.0
sec-Butylbenzene	Ave	3.477	3.853		27.7	25.0	10.8	20.0
4-Isopropyltoluene	Ave	3.183	3.471		27.3	25.0	9.0	20.0
1,3-Dichlorobenzene	Ave	1.772	1.887	0.6000	26.6	25.0	6.5	20.0
1,4-Dichlorobenzene	Ave	1.780	1.940	0.5000	27.2	25.0	9.0	20.0
n-Butylbenzene	Ave	2.552	2.752		27.0	25.0	7.8	20.0
1,2-Dichlorobenzene	Ave	1.776	1.869	0.4000	26.3	25.0	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Lab Sample ID: CCVIS 480-276597/2 Calibration Date: 11/24/2015 01:42

Instrument ID: HP5973Q Calib Start Date: 10/26/2015 19:12

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/26/2015 22:13

Lab File ID: Q6829.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2572	0.2501	0.0500	24.3	25.0	-2.8	50.0
1,2,4-Trichlorobenzene	Ave	1.269	1.364	0.2000	26.9	25.0	7.5	20.0
Hexachlorobutadiene	Ave	0.4696	0.5200		27.7	25.0	10.7	20.0
Naphthalene	Ave	4.180	4.140		24.8	25.0	-0.9	20.0
1,2,3-Trichlorobenzene	Ave	1.219	1.257		25.8	25.0	3.1	20.0
Dibromofluoromethane (Surr)	Ave	1.345	1.293		24.0	25.0	-3.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7950	0.7271		22.9	25.0	-8.5	20.0
Toluene-d8 (Surr)	Ave	2.395	2.378		24.8	25.0	-0.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8044	0.8290		25.8	25.0	3.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6829.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2015 01:42:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0048642-002
Operator ID: CDC Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 02:39:51 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: cwiklinc Date: 24-Nov-2015 02:02:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.120	5.120	0.000	99	71204	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.408	7.408	0.000	83	134822	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.281	9.281	0.000	93	158771	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.640	4.640	0.000	94	92054	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.889	4.889	0.000	0	51773	25.0	22.9	
$ 5 Toluene-d8 (Surr)	98	6.288	6.288	0.000	92	320602	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	8.338	8.338	0.000	97	111766	25.0	25.8	
10 Dichlorodifluoromethane	85	1.440	1.440	0.000	99	159288	25.0	32.9	M
12 Chloromethane	50	1.604	1.604	0.000	100	150047	25.0	27.0	
13 Vinyl chloride	62	1.720	1.720	0.000	84	150699	25.0	28.0	
144 Butadiene	54	1.720	1.720	0.000	89	149789	25.0	29.0	
14 Bromomethane	94	1.999	1.999	0.000	91	62112	25.0	18.0	M
15 Chloroethane	64	2.109	2.109	0.000	99	80624	25.0	24.2	
17 Trichlorofluoromethane	101	2.298	2.298	0.000	98	173697	25.0	24.7	
16 Dichlorofluoromethane	67	2.322	2.322	0.000	97	192447	25.0	23.0	
18 Ethyl ether	59	2.590	2.590	0.000	91	118547	25.0	25.1	
20 Acrolein	56	2.736	2.736	0.000	99	198041	125.0	316.9	
22 1,1-Dichloroethene	96	2.790	2.790	0.000	98	121157	25.0	28.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.815	2.815	0.000	91	120182	25.0	28.4	
23 Acetone	43	2.882	2.882	0.000	100	368217	125.0	196.6	
25 Iodomethane	142	2.930	2.930	0.000	98	239572	25.0	27.3	
26 Carbon disulfide	76	2.973	2.973	0.000	99	375779	25.0	26.6	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	93	189994	25.0	23.5	
27 Methyl acetate	43	3.155	3.155	0.000	98	815018	125.0	147.5	
30 Methylene Chloride	84	3.240	3.240	0.000	93	126300	25.0	29.1	
31 2-Methyl-2-propanol	59	3.380	3.380	0.000	100	369510	250.0	574.1	
32 Methyl tert-butyl ether	73	3.441	3.441	0.000	94	388813	25.0	23.9	
34 trans-1,2-Dichloroethene	96	3.453	3.453	0.000	99	126935	25.0	27.1	
33 Acrylonitrile	53	3.472	3.472	0.000	99	774712	250.0	247.8	
35 Hexane	57	3.636	3.636	0.000	92	175779	25.0	28.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.806	3.806	0.000	97	217024	25.0	25.4	
37 Vinyl acetate	43	3.843	3.843	0.000	97	530456	50.0	54.2	
44 2,2-Dichloropropane	77	4.250	4.250	0.000	89	114284	25.0	22.1	
45 cis-1,2-Dichloroethene	96	4.269	4.269	0.000	84	133994	25.0	26.2	
43 2-Butanone (MEK)	43	4.281	4.281	0.000	100	566434	125.0	140.4	
48 Chlorobromomethane	128	4.457	4.457	0.000	93	74349	25.0	27.3	
49 Tetrahydrofuran	42	4.475	4.475	0.000	93	159471	50.0	54.4	
50 Chloroform	83	4.518	4.518	0.000	93	197753	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.628	4.628	0.000	98	160134	25.0	23.6	
52 Cyclohexane	56	4.652	4.652	0.000	91	220423	25.0	27.8	
54 1,1-Dichloropropene	75	4.749	4.749	0.000	97	166744	25.0	26.9	
55 Carbon tetrachloride	117	4.749	4.749	0.000	97	135027	25.0	22.4	
53 Isobutyl alcohol	43	4.877	4.877	0.000	95	377050	625.0	1040.5	
57 Benzene	78	4.913	4.913	0.000	97	465503	25.0	25.9	
58 1,2-Dichloroethane	62	4.944	4.944	0.000	97	162226	25.0	23.1	
59 n-Heptane	43	5.059	5.059	0.000	93	156785	25.0	25.6	
62 Trichloroethene	95	5.388	5.388	0.000	94	123225	25.0	27.1	
64 Methylcyclohexane	83	5.504	5.504	0.000	89	202939	25.0	28.6	
65 1,2-Dichloropropane	63	5.570	5.570	0.000	97	115102	25.0	26.4	
67 Dibromomethane	93	5.674	5.674	0.000	90	78690	25.0	26.1	
66 1,4-Dioxane	88	5.674	5.674	0.000	45	39854	500.0	784.1	
68 Dichlorobromomethane	83	5.783	5.783	0.000	99	141961	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	5.984	5.984	0.000	92	87740	25.0	28.7	
77 trans-1,3-Dichloropropene	75	6.106	6.106	0.000	93	181931	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK	43	6.203	6.203	0.000	96	981197	125.0	128.3	
74 Toluene	92	6.337	6.337	0.000	99	294387	25.0	26.3	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	97	158740	25.0	26.7	
75 Ethyl methacrylate	69	6.556	6.556	0.000	89	176572	25.0	26.8	
79 1,1,2-Trichloroethane	83	6.672	6.672	0.000	92	87566	25.0	26.2	
81 Tetrachloroethene	166	6.751	6.751	0.000	97	143029	25.0	29.0	
82 1,3-Dichloropropane	76	6.799	6.799	0.000	87	187046	25.0	27.0	
80 2-Hexanone	43	6.830	6.830	0.000	96	731847	125.0	134.9	
83 Chlorodibromomethane	129	6.982	6.982	0.000	90	118972	25.0	25.3	
84 Ethylene Dibromide	107	7.073	7.073	0.000	98	121444	25.0	27.1	
87 Chlorobenzene	112	7.432	7.432	0.000	97	331242	25.0	27.3	
88 Ethylbenzene	91	7.493	7.493	0.000	98	521652	25.0	26.1	
89 1,1,1,2-Tetrachloroethane	131	7.499	7.499	0.000	75	116839	25.0	24.3	
90 m-Xylene & p-Xylene	106	7.584	7.584	0.000	0	224804	25.0	26.9	
91 o-Xylene	106	7.907	7.907	0.000	95	226455	25.0	26.3	
92 Styrene	104	7.925	7.925	0.000	96	359440	25.0	26.4	
95 Bromoform	173	8.107	8.107	0.000	99	76899	25.0	24.4	
94 Isopropylbenzene	105	8.186	8.186	0.000	95	573970	25.0	26.4	
101 Bromobenzene	156	8.466	8.466	0.000	90	153831	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	8.472	8.472	0.000	95	173440	25.0	25.6	
100 1,2,3-Trichloropropane	110	8.509	8.509	0.000	86	61198	25.0	25.5	
98 trans-1,4-Dichloro-2-buten	53	8.509	8.509	0.000	71	47748	25.0	22.9	
99 N-Propylbenzene	91	8.521	8.521	0.000	99	632259	25.0	26.5	
103 2-Chlorotoluene	126	8.612	8.612	0.000	98	140493	25.0	26.8	
102 1,3,5-Trimethylbenzene	105	8.661	8.661	0.000	95	490643	25.0	26.4	
105 4-Chlorotoluene	126	8.697	8.697	0.000	96	146096	25.0	26.7	
106 tert-Butylbenzene	134	8.922	8.922	0.000	91	116344	25.0	27.8	
107 1,2,4-Trimethylbenzene	105	8.965	8.965	0.000	96	504158	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.105	9.105	0.000	93	611741	25.0	27.7	
110 4-Isopropyltoluene	119	9.214	9.214	0.000	97	551048	25.0	27.3	
111 1,3-Dichlorobenzene	146	9.227	9.227	0.000	98	299670	25.0	26.6	
113 1,4-Dichlorobenzene	146	9.300	9.300	0.000	96	308062	25.0	27.2	
115 n-Butylbenzene	91	9.555	9.555	0.000	97	436901	25.0	27.0	
116 1,2-Dichlorobenzene	146	9.610	9.610	0.000	99	296777	25.0	26.3	
117 1,2-Dibromo-3-Chloropropan	75	10.267	10.267	0.000	91	39701	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	10.936	10.936	0.000	94	216536	25.0	26.9	
120 Hexachlorobutadiene	225	11.046	11.046	0.000	96	82559	25.0	27.7	
121 Naphthalene	128	11.137	11.137	0.000	97	657370	25.0	24.8	
122 1,2,3-Trichlorobenzene	180	11.331	11.331	0.000	96	199533	25.0	25.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00121	Amount Added: 12.50	Units: uL	
8260 CORP mix_00056	Amount Added: 12.50	Units: uL	
Q_8260_IS_00106	Amount Added: 1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added: 1.25	Units: uL	Run Reagent

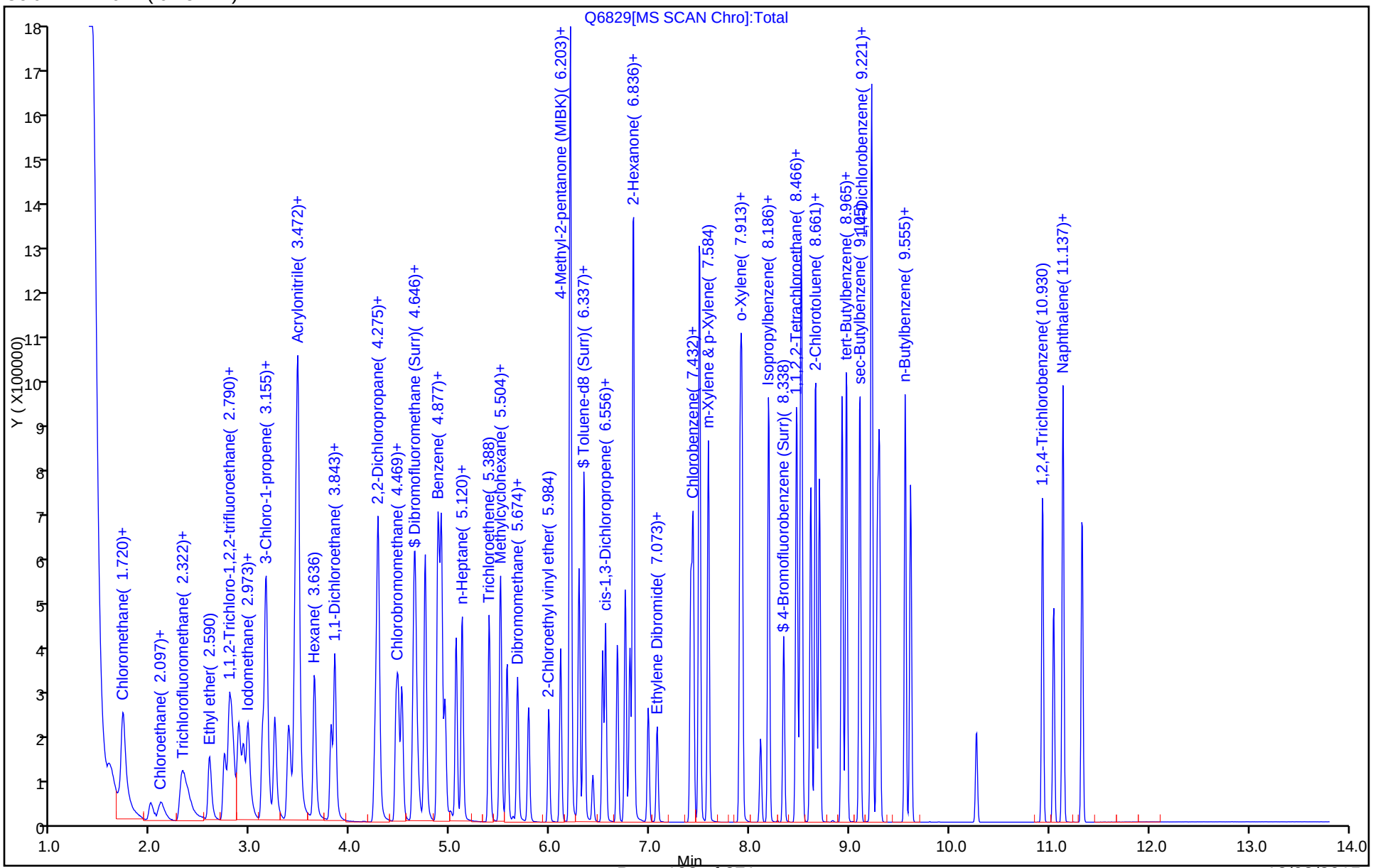
Report Date: 24-Nov-2015 02:39:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6829.D

Injection Date:	24-Nov-2015 01:42:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

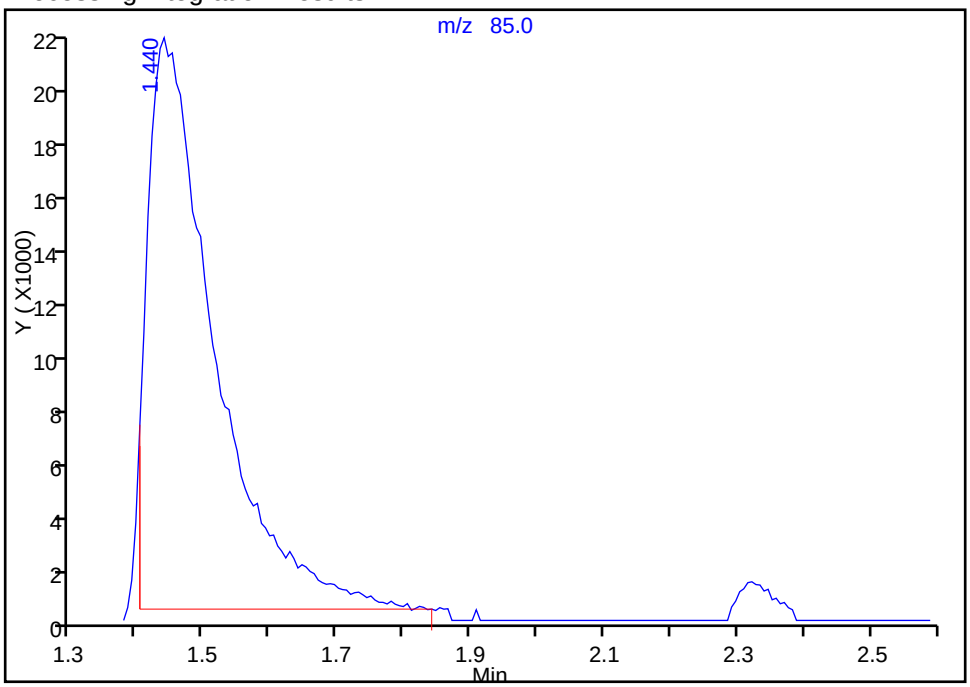
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6829.D
Injection Date: 24-Nov-2015 01:42:30 Instrument ID: HP5973Q
Lims ID: CCVIS
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

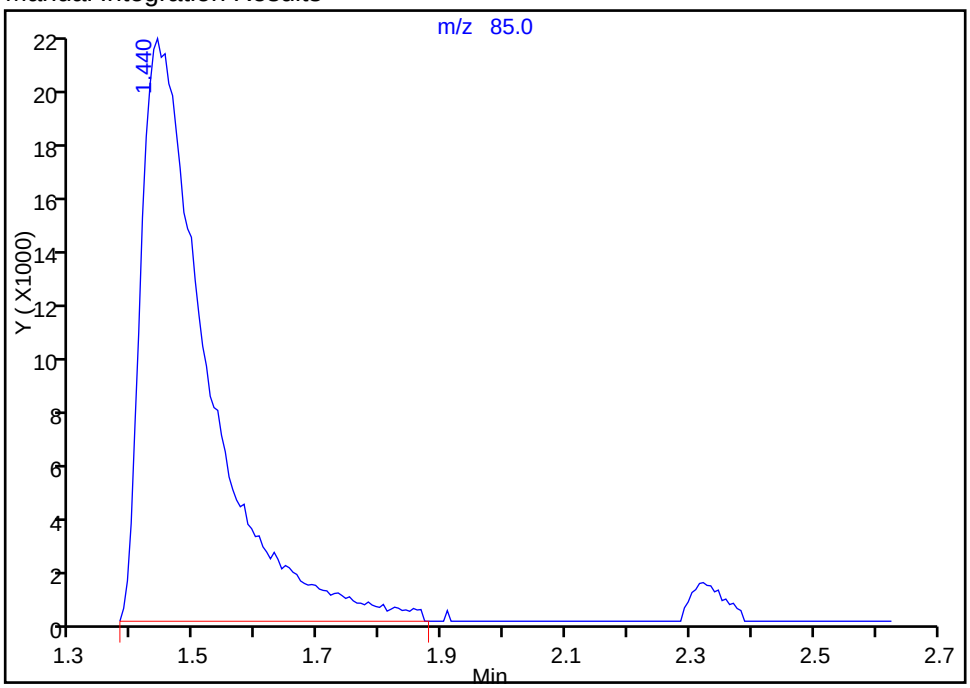
Processing Integration Results

RT: 1.44
Area: 145729
Amount: 30.091131
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 159288
Amount: 32.890887
Amount Units: ug/L



Reviewer: cwiklinc, 24-Nov-2015 02:39:51
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

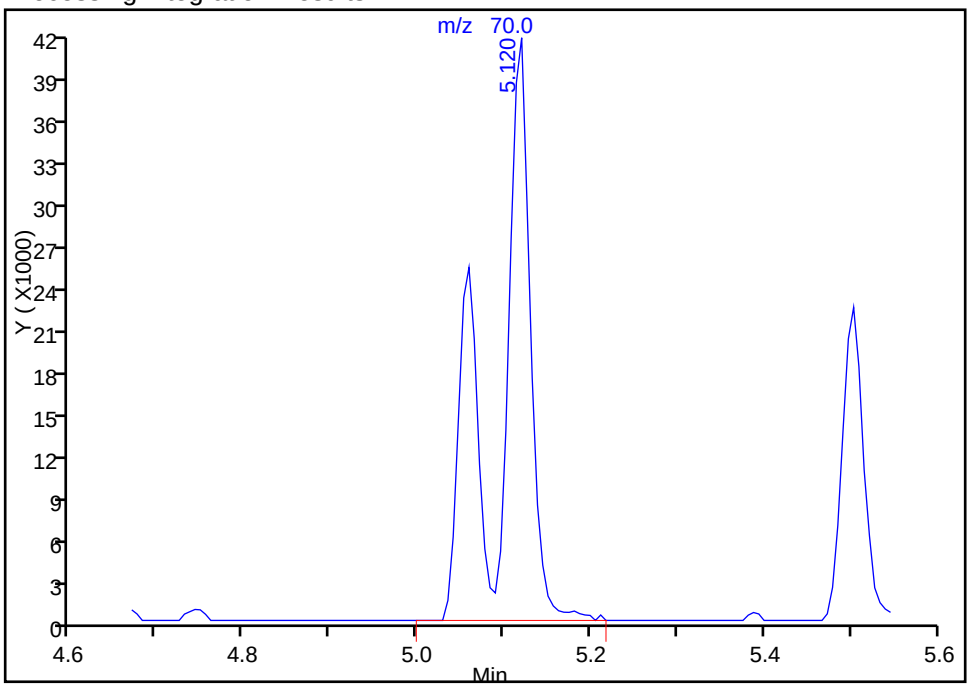
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6829.D
Injection Date: 24-Nov-2015 01:42:30 Instrument ID: HP5973Q
Lims ID: CCVIS
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

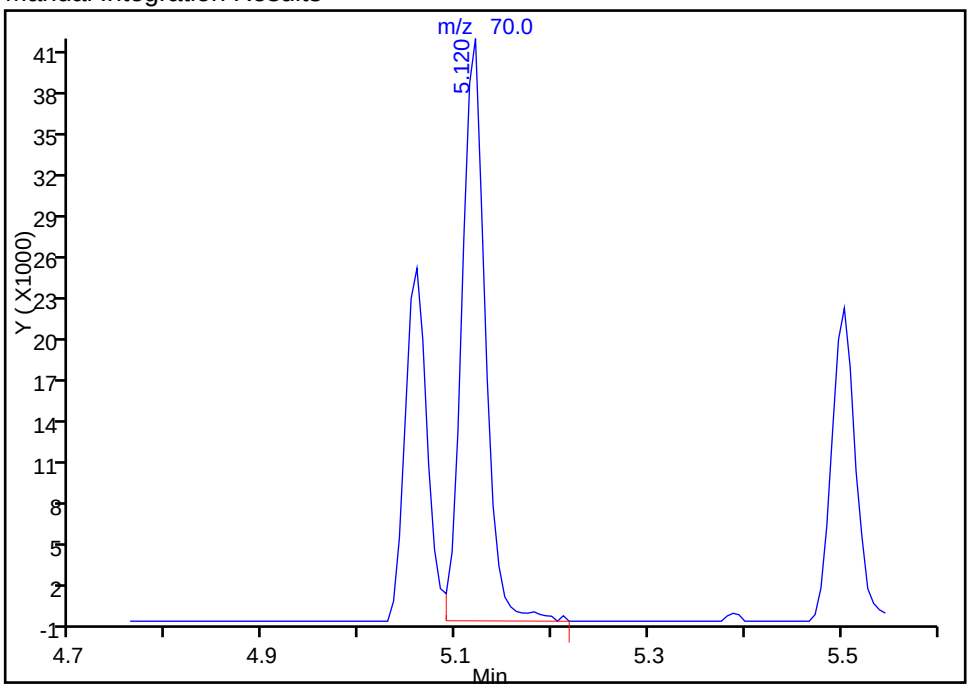
Processing Integration Results

RT: 5.12
Area: 111304
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 71204
Amount: 25.000000
Amount Units: ug/L



Reviewer: cwiklinc, 24-Nov-2015 02:02:22
Audit Action: Manually Integrated
Audit Reason: Other

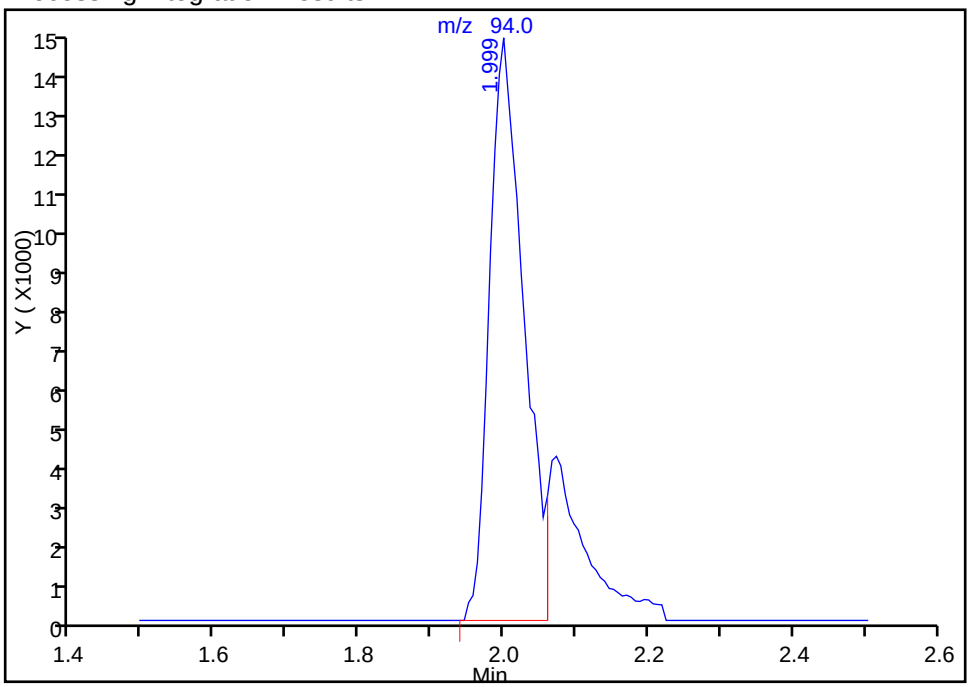
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6829.D
Injection Date: 24-Nov-2015 01:42:30 Instrument ID: HP5973Q
Lims ID: CCVIS
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

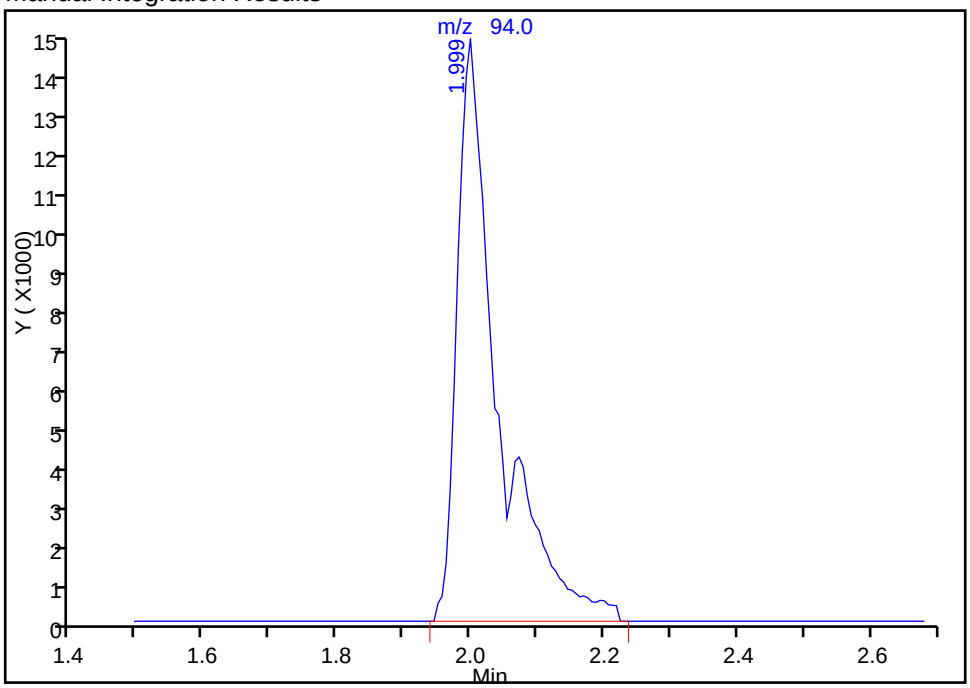
Processing Integration Results

RT: 2.00
Area: 48268
Amount: 13.984526
Amount Units: ug/L



Manual Integration Results

RT: 2.00
Area: 62112
Amount: 17.995501
Amount Units: ug/L



Reviewer: cwiklinc, 24-Nov-2015 02:02:22
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2486.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Nov-2015 03:01:30 ALS Bottle#: 5 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048486-002
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:23:11 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: diasn Date: 19-Nov-2015 03:12:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.540	5.540	0.000	0	75669	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

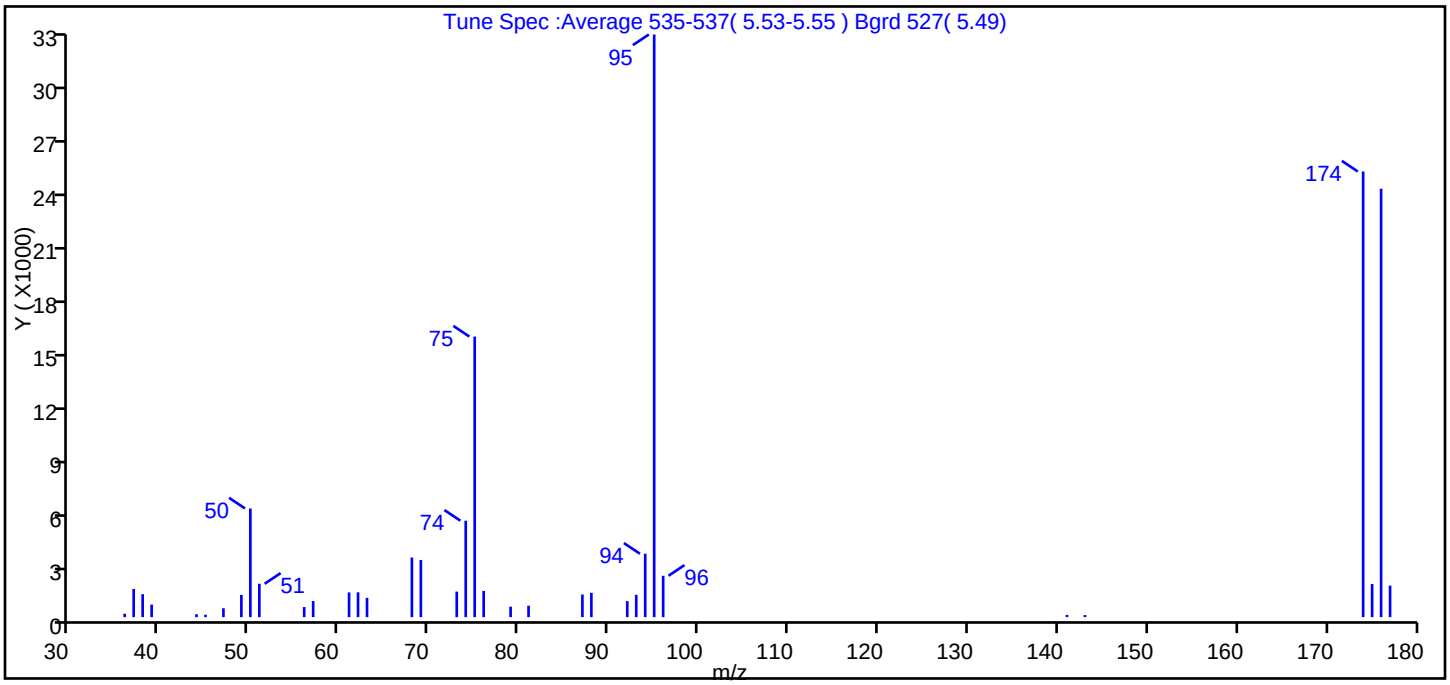
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2486.D
Injection Date: 19-Nov-2015 03:01:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 5 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.7
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.5
175	5 to 9% of m/z 174	5.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	73.5 (96.1)
177	5 to 9% of m/z 176	5.4 (7.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2486.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 19-Nov-2015 03:01:30
Spectrum: Tune Spec :Average 535-537(5.53-5.55) Bgrd 527(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	187	51.00	1847	74.00	5337	94.00	3510
37.00	1559	56.00	560	75.00	15528	95.00	32248
38.00	1271	57.00	892	76.00	1451	96.00	2290
39.00	697	61.00	1369	79.00	581	141.00	126
44.00	162	62.00	1375	81.00	633	143.00	117
45.00	133	63.00	1067	87.00	1252	174.00	24664
47.00	492	68.00	3301	88.00	1346	175.00	1833
49.00	1233	69.00	3166	92.00	886	176.00	23712
50.00	6015	73.00	1413	93.00	1236	177.00	1746

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2663.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	23-Nov-2015 23:25:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0048640-002				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	23-Nov-2015 23:36:04	Calib Date:	19-Nov-2015 10:49:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK048				
First Level Reviewer: diasn		Date:	23-Nov-2015 23:36:04		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.546	5.546	0.000	0	77039	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

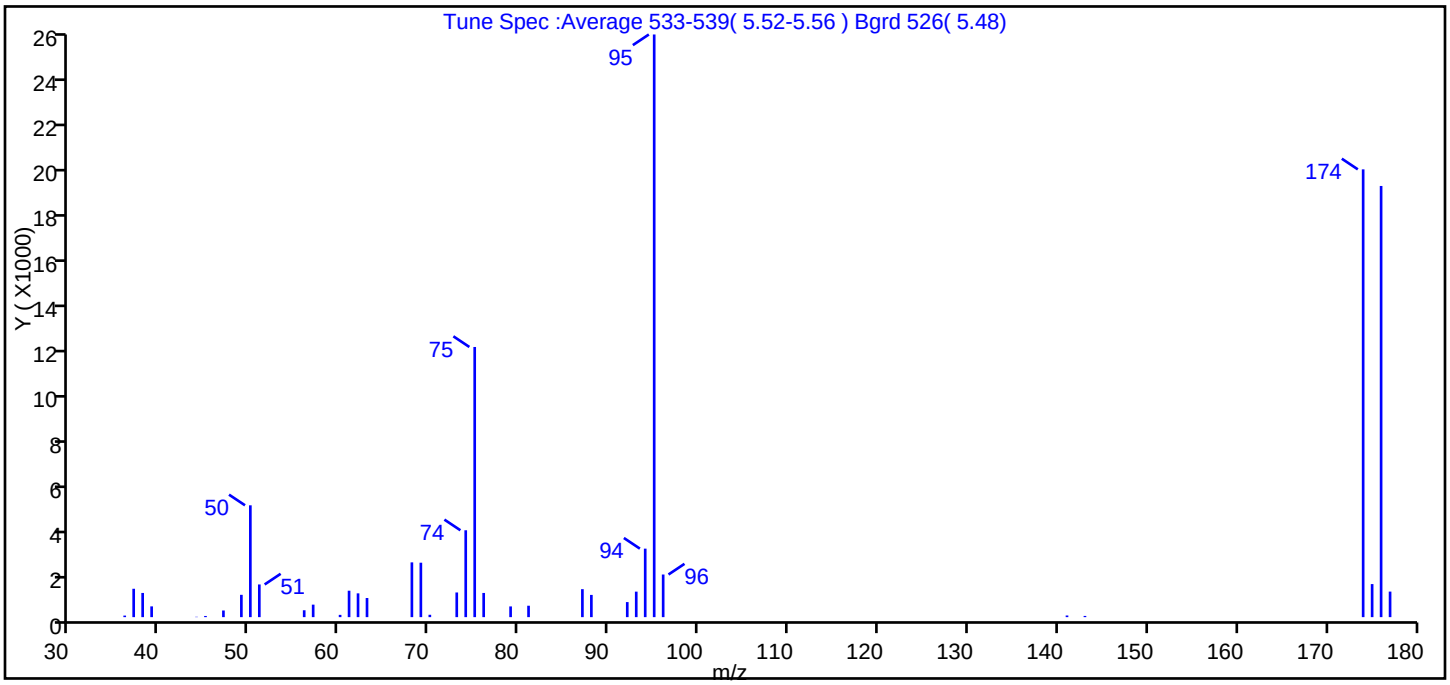
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2663.D
Injection Date: 23-Nov-2015 23:25:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.2
75	30 to 60% of m/z 95	46.4
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.9
175	5 to 9% of m/z 174	5.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	74.0 (96.3)
177	5 to 9% of m/z 176	4.4 (5.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2663.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 23-Nov-2015 23:25:30
Spectrum: Tune Spec :Average 533-539(5.52-5.56) Bgrd 526(5.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	69	56.00	305	74.00	3849	95.00	25816
37.00	1257	57.00	554	75.00	11970	96.00	1889
38.00	1072	60.00	101	76.00	1072	141.00	73
39.00	477	61.00	1171	79.00	475	143.00	54
44.00	15	62.00	1054	81.00	506	174.00	19840
45.00	52	63.00	848	87.00	1240	175.00	1465
47.00	295	68.00	2427	88.00	985	176.00	19104
49.00	989	69.00	2412	92.00	667	177.00	1132
50.00	4955	70.00	105	93.00	1130		
51.00	1448	73.00	1093	94.00	3035		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6123.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Oct-2015 18:19:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0047687-003
Operator ID: JG Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:34 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: diasn Date: 26-Oct-2015 18:33:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.215	4.215	0.000	0	76841	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

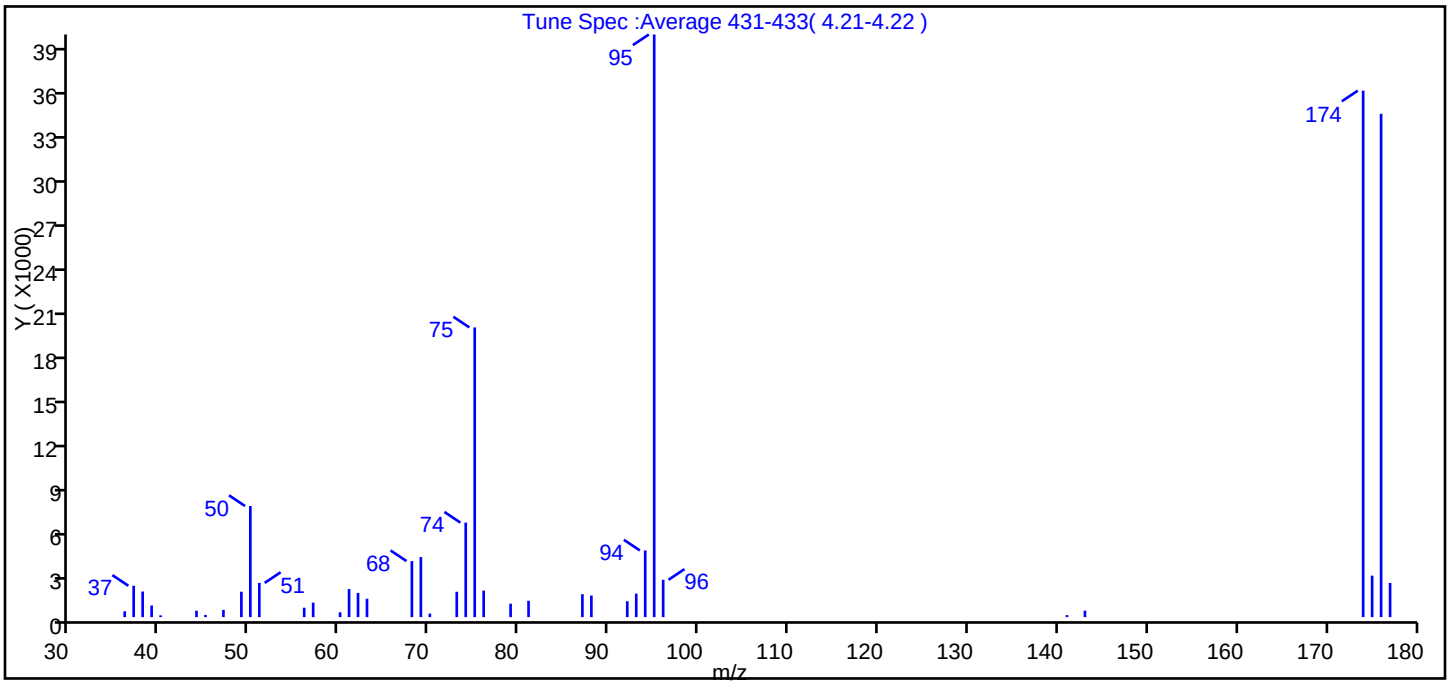
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6123.D
Injection Date: 26-Oct-2015 18:19:30 Instrument ID: HP5973Q
Lims ID: BFB
Client ID:
Operator ID: JG ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	49.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	7.1 (7.9)
176	Greater than 95% but less than 101% of m/z 174	86.4 (95.6)
177	5 to 9% of m/z 176	5.9 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6123.D\Q-8260.rslt\spectra.d
Injection Date: 26-Oct-2015 18:19:30
Spectrum: Tune Spec :Average 431-433(4.21-4.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	401	51.00	2349	73.00	1743	94.00	4577
37.00	2154	56.00	647	74.00	6489	95.00	40000
38.00	1758	57.00	998	75.00	19888	96.00	2565
39.00	800	60.00	330	76.00	1822	141.00	140
40.00	124	61.00	1926	79.00	924	143.00	446
44.00	441	62.00	1664	81.00	1123	174.00	36144
45.00	152	63.00	1266	87.00	1577	175.00	2849
47.00	501	68.00	3847	88.00	1484	176.00	34552
49.00	1745	69.00	4121	92.00	1090	177.00	2347
50.00	7629	70.00	244	93.00	1613		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6828.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Nov-2015 01:17:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0048642-001				
Operator ID:	CDC	Instrument ID:	HP5973Q		
Method:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	24-Nov-2015 01:31:35	Calib Date:	27-Oct-2015 01:40:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK050				
First Level Reviewer: cwiklinc		Date:	24-Nov-2015 01:31:35		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.216	4.216	0.000	0	28668	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

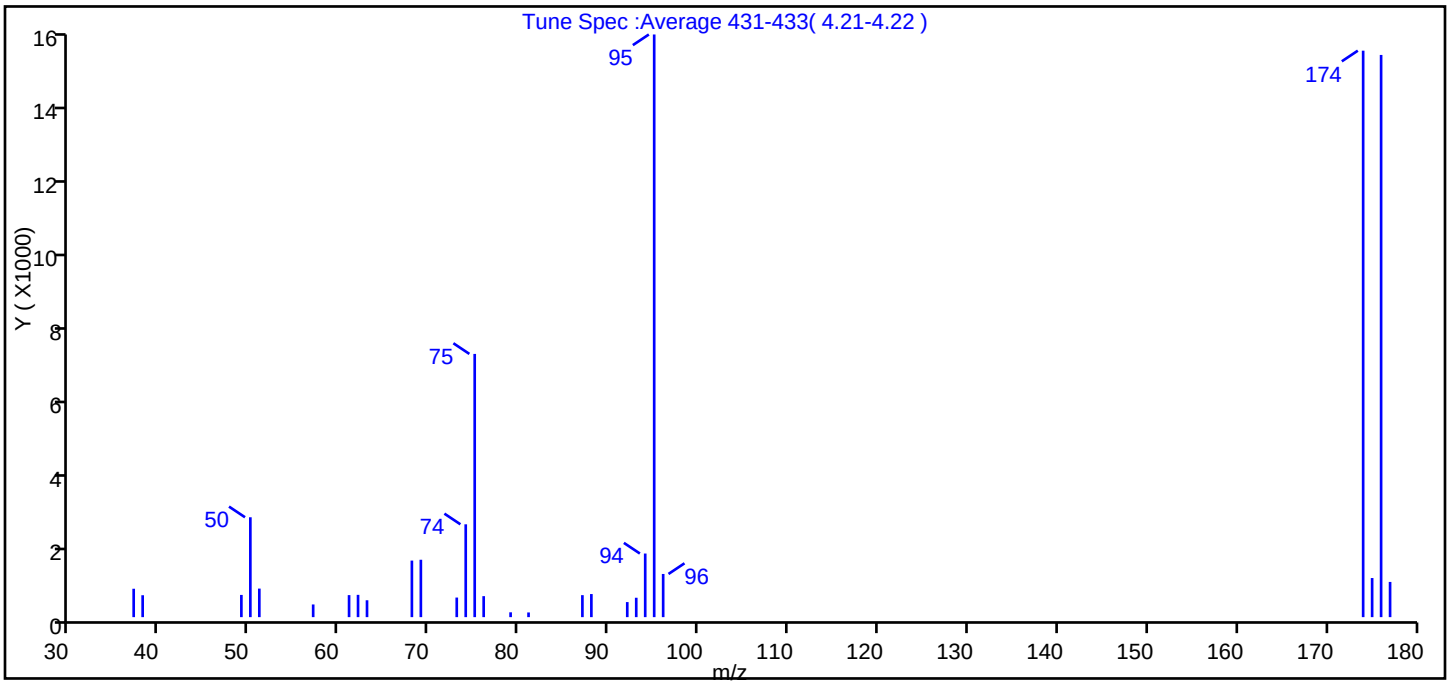
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6828.D
Injection Date: 24-Nov-2015 01:17:30 Instrument ID: HP5973Q
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.1
75	30 to 60% of m/z 95	45.2
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	97.2
175	5 to 9% of m/z 174	6.7 (6.9)
176	Greater than 95% but less than 101% of m/z 174	96.5 (99.2)
177	5 to 9% of m/z 176	6.0 (6.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6828.D\Q-8260.rslt\spectra.d
Injection Date: 24-Nov-2015 01:17:30
Spectrum: Tune Spec :Average 431-433(4.21-4.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 28

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	745	62.00	585	76.00	551	94.00	1669
38.00	575	63.00	443	79.00	127	95.00	15289
49.00	583	68.00	1484	81.00	123	96.00	1133
50.00	2621	69.00	1506	87.00	577	174.00	14864
51.00	749	73.00	514	88.00	606	175.00	1026
57.00	333	74.00	2436	92.00	395	176.00	14752
61.00	578	75.00	6907	93.00	509	177.00	924

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-276589/2-A

Matrix: Solid | Lab File ID: F2668.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 11/24/2015 01:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276587 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	5.15	J	25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-276589/2-A

Matrix: Solid | Lab File ID: F2668.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 11/24/2015 01:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276587 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		64-126
460-00-4	4-Bromofluorobenzene (Surr)	84		72-126
2037-26-5	Toluene-d8 (Surr)	86		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2668.D
Lims ID: MB 480-276589/2-A
Client ID:
Sample Type: MB
Inject. Date: 24-Nov-2015 01:39:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-276589/2-A
Misc. Info.: 480-0048640-007
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 02:06:16 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: diasn Date: 24-Nov-2015 02:06:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	198598	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	381940	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	336382	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	167588	50.0	41.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	102976	50.0	42.3	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	671125	50.0	42.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.416	0.000	88	178460	50.0	42.0	
10 Dichlorodifluoromethane	85		1.908					ND	
11 Chlorodifluoromethane	51		1.921					ND	
12 Chloromethane	50		2.061					ND	
13 Vinyl chloride	62		2.176					ND	
151 Butadiene	54		2.182					ND	
14 Bromomethane	94		2.456					ND	
15 Chloroethane	64		2.523					ND	
16 Dichlorofluoromethane	67		2.687					ND	
17 Trichlorofluoromethane	101		2.705					ND	
148 Ethanol	45		2.894					ND	
18 Ethyl ether	59		2.906					ND	
19 Propene oxide	58		3.003					ND	
20 Acrolein	56		3.064					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101					ND	
22 1,1-Dichloroethene	96		3.119					ND	
23 Acetone	43	3.198	3.174	0.024	98	10984		5.17	
24 Isopropyl alcohol	45		3.265					ND	
25 Iodomethane	142		3.277					ND	
26 Carbon disulfide	76		3.332					ND	
27 Methyl acetate	43		3.393					ND	
28 3-Chloro-1-propene	41		3.399					ND	
29 Acetonitrile	40		3.435					ND	
30 Methylene Chloride	84	3.515	3.508	0.007	96	7151		1.00	
31 2-Methyl-2-propanol	59		3.557					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
32 Methyl tert-butyl ether	73		3.654					ND	
34 trans-1,2-Dichloroethene	96		3.691					ND	
33 Acrylonitrile	53		3.709					ND	
35 Hexane	57	3.837	3.831	0.006	94	7625		0.6702	
36 Isopropyl ether	45		3.983					ND	
134 Halothane	117		3.983					ND	
37 Vinyl acetate	43		4.007					ND	
39 1,1-Dichloroethane	63		4.026					ND	
38 1,1-Dimethoxyethane	75		4.056					ND	
40 2-Chloro-1,3-butadiene	53		4.074					ND	
41 Tert-butyl ethyl ether	59		4.263					ND	
42 Ethyl acetate	43		4.464					ND	
44 2,2-Dichloropropane	77		4.464					ND	
43 2-Butanone (MEK)	43		4.464					ND	
45 cis-1,2-Dichloroethene	96		4.476					ND	
46 Propionitrile	54		4.561					ND	
47 Methacrylonitrile	41		4.658					ND	
48 Chlorobromomethane	128		4.683					ND	
49 Tetrahydrofuran	42		4.701					ND	
50 Chloroform	83		4.719					ND	
51 1,1,1-Trichloroethane	97		4.859					ND	
52 Cyclohexane	56		4.889					ND	
54 1,1-Dichloropropene	75		4.975					ND	
55 Carbon tetrachloride	117		4.987					ND	
53 Isobutyl alcohol	43		5.041					ND	
147 t-Amyl alcohol	59		5.114					ND	
152 Isooctane	57		5.127					ND	
57 Benzene	78		5.163					ND	
56 Tert-amyl methyl ether	73		5.181					ND	
58 1,2-Dichloroethane	62		5.200					ND	
59 n-Heptane	43		5.254					ND	
1 1,4-Difluorobenzene	114		5.443					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.571					ND	
60 n-Butanol	56		5.589					ND	
62 Trichloroethene	95		5.686					ND	
137 Ethyl acrylate	55		5.711					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.753					ND	
64 Methylcyclohexane	83		5.820					ND	
65 1,2-Dichloropropane	63		5.905					ND	
63 Methyl methacrylate	41		5.917					ND	
66 1,4-Dioxane	88		6.009					ND	
67 Dibromomethane	93		6.033					ND	
68 Dichlorobromomethane	83		6.143					ND	
70 2-Nitropropane	43		6.355					ND	
69 2-Chloroethyl vinyl ether	63		6.356					ND	
71 Epichlorohydrin	57		6.471					ND	
72 cis-1,3-Dichloropropene	75		6.526					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623					ND	
74 Toluene	92		6.818					ND	
75 Ethyl methacrylate	69		7.037					ND	
77 trans-1,3-Dichloropropene	75		7.043					ND	
79 1,1,2-Trichloroethane	83		7.238					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
81 Tetrachloroethene	166	7.335	7.341	-0.006	40	1934		0.3176	
82 1,3-Dichloropropane	76		7.402					ND	
80 2-Hexanone	43		7.414					ND	
155 n-Butyl acetate	43		7.493					ND	
83 Chlorodibromomethane	129		7.645					ND	
84 Ethylene Dibromide	107		7.773					ND	
146 1-Chlorohexane	55		8.120					ND	
85 3-Chlorobenzotrifluoride	180		8.126					ND	
86 4-Chlorobenzotrifluoride	180		8.181					ND	
87 Chlorobenzene	112		8.223					ND	
88 Ethylbenzene	91		8.290					ND	
89 1,1,1,2-Tetrachloroethane	131		8.302					ND	
90 m-Xylene & p-Xylene	106	8.400	8.406	-0.006	95	3156		0.2677	
91 o-Xylene	106		8.838					ND	
92 Styrene	104		8.856					ND	
93 2-Chlorobenzotrifluoride	180		9.111					ND	
95 Bromoform	173		9.130					ND	
94 Isopropylbenzene	105		9.203					ND	
96 Cyclohexanone	55		9.403					ND	
97 1,1,2,2-Tetrachloroethane	83		9.580					ND	
101 Bromobenzene	156		9.586					ND	
98 trans-1,4-Dichloro-2-buten	53		9.622					ND	
99 N-Propylbenzene	91		9.628					ND	
100 1,2,3-Trichloropropane	110		9.635					ND	
103 2-Chlorotoluene	126		9.756					ND	
102 1,3,5-Trimethylbenzene	105		9.793					ND	
104 3-Chlorotoluene	126		9.811					ND	
105 4-Chlorotoluene	126		9.860					ND	
106 tert-Butylbenzene	134		10.115					ND	
108 Pentachloroethane	167		10.188					ND	
109 sec-Butylbenzene	105		10.316					ND	
110 4-Isopropyltoluene	119		10.444					ND	
111 1,3-Dichlorobenzene	146		10.480					ND	
114 Dicyclopentadiene	66		10.553					ND	
113 1,4-Dichlorobenzene	146		10.559					ND	
112 1,2,3-Trimethylbenzene	105		10.571					ND	
150 Benzyl chloride	126		10.687					ND	
115 n-Butylbenzene	91		10.815					ND	
76 2-Methylthiophene	97		10.900					ND	
116 1,2-Dichlorobenzene	146		10.906					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587					ND	
118 1,3,5-Trichlorobenzene	180		11.709					ND	
120 Hexachlorobutadiene	225		12.317					ND	
121 Naphthalene	128	12.445	12.445	0.000	93	7708		0.3795	
122 1,2,3-Trichlorobenzene	180		12.658					ND	
149 2-Methylnaphthalene	142		13.492					ND	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 123 Total BTEX	1				0			0.2677	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 124 Xylenes, Total	1				0			0.2677	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00400	Amount Added:	1.00	Units: uL	Run Reagent

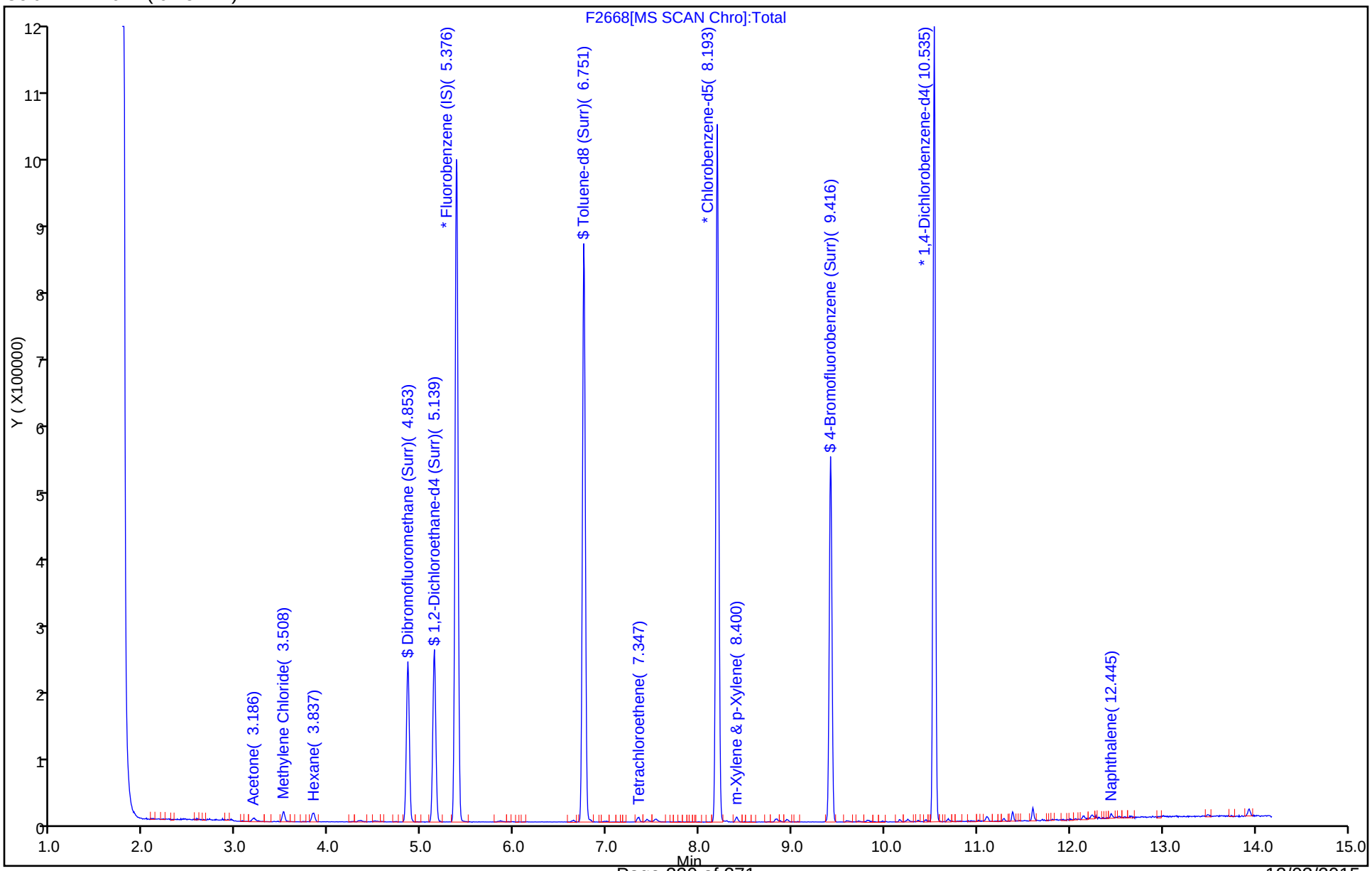
Report Date: 24-Nov-2015 02:06:19 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2668.D

Injection Date:	24-Nov-2015 01:39:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	MB 480-276589/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

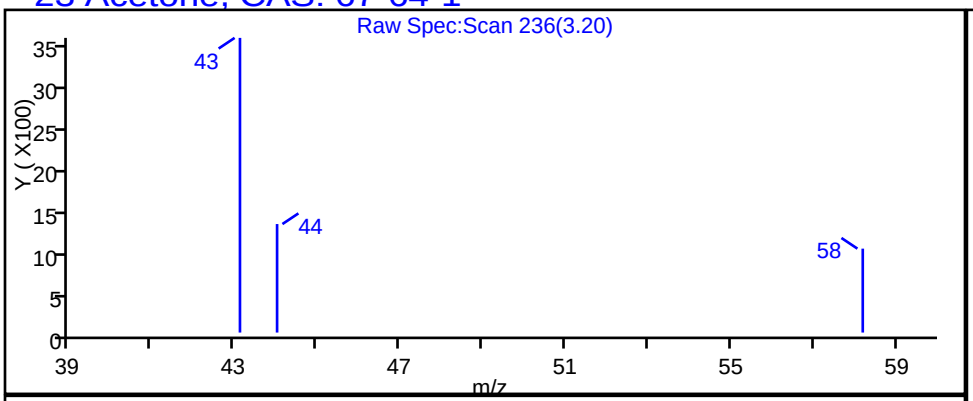
Column: ZB-624 (0.25 mm)

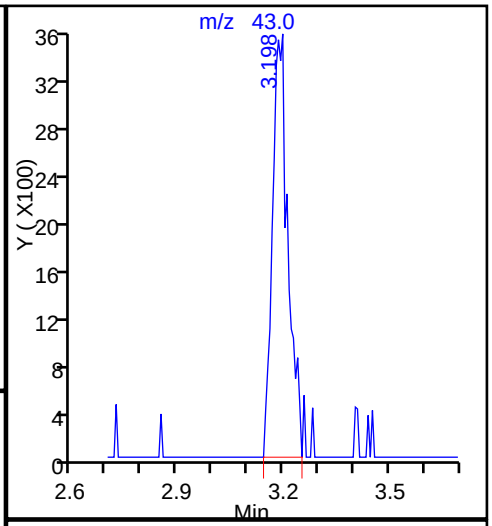


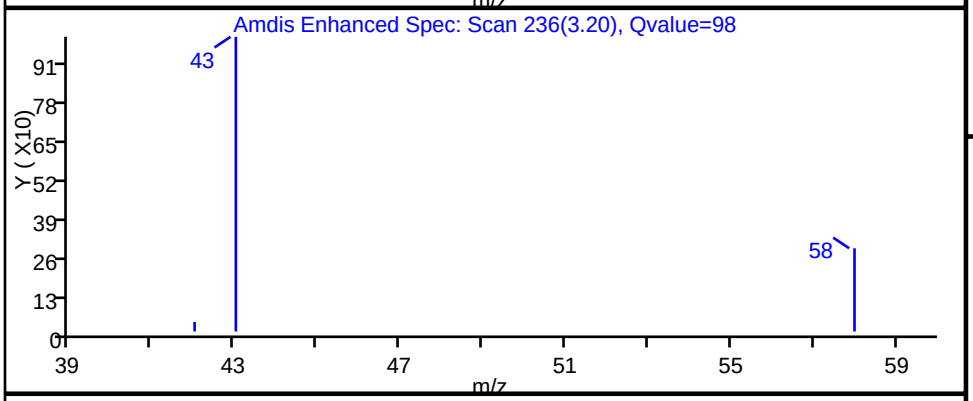
TestAmerica Buffalo

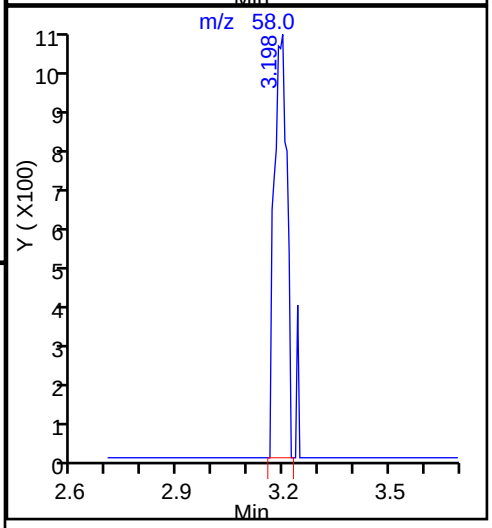
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2668.D
Injection Date: 24-Nov-2015 01:39:30 Instrument ID: HP5973F
Lims ID: MB 480-276589/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

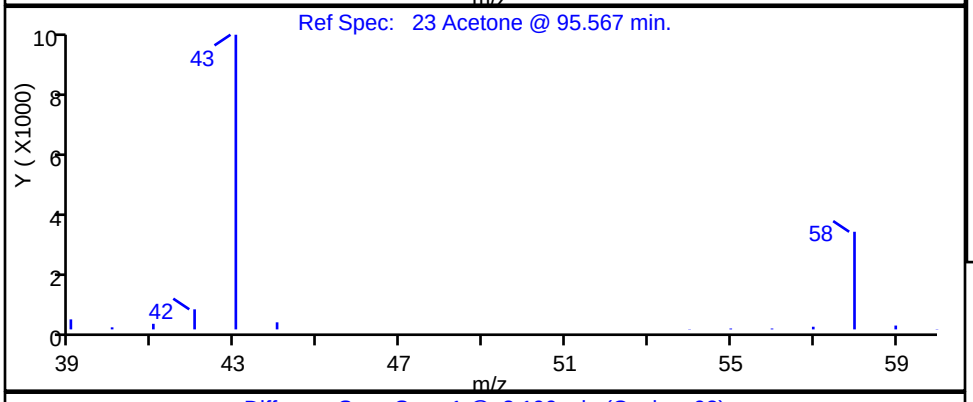
23 Acetone, CAS: 67-64-1

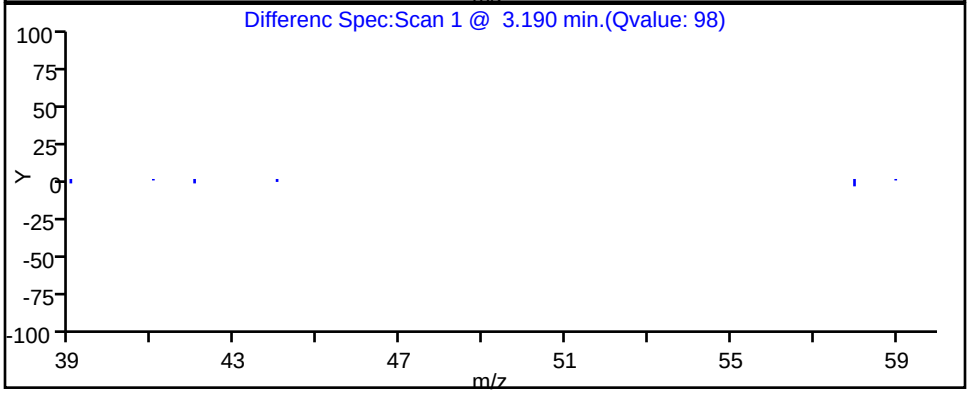












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-276597/6

Matrix: Water Lab File ID: Q6832.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2015 03:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 276597 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-276597/6

Matrix: Water | Lab File ID: Q6832.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 03:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6832.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Nov-2015 03:08:30 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0048642-006
Operator ID: CDC Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 03:34:35 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: cwiklinc Date: 24-Nov-2015 03:34:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.119	5.120	-0.001	99	64318	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.406	7.408	-0.002	84	118755	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.280	9.281	-0.001	93	142481	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.640	0.004	94	84751	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.894	4.889	0.005	0	48966	25.0	23.9	
$ 5 Toluene-d8 (Surr)	98	6.287	6.288	-0.001	92	282025	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	8.343	8.338	0.005	97	97275	25.0	25.5	
10 Dichlorodifluoromethane	85		1.440					ND	
11 Chlorodifluoromethane	51		1.459					ND	
12 Chloromethane	50		1.604					ND	
13 Vinyl chloride	62		1.720					ND	
144 Butadiene	54		1.720					ND	
14 Bromomethane	94		1.999					ND	
15 Chloroethane	64		2.109					ND	
17 Trichlorofluoromethane	101		2.298					ND	
16 Dichlorofluoromethane	67		2.322					ND	
141 Ethanol	45		2.585					ND	
18 Ethyl ether	59		2.590					ND	
20 Acrolein	56		2.736					ND	
22 1,1-Dichloroethene	96		2.790					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.815					ND	
23 Acetone	43		2.882					ND	
25 Iodomethane	142		2.930					ND	
26 Carbon disulfide	76		2.973					ND	
24 Isopropyl alcohol	45		3.047					ND	
28 3-Chloro-1-propene	41		3.119					ND	
29 Acetonitrile	40		3.151					ND	
27 Methyl acetate	43		3.155					ND	
30 Methylene Chloride	84		3.240					ND	
31 2-Methyl-2-propanol	59		3.380					ND	
32 Methyl tert-butyl ether	73		3.441					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96		3.453					ND	
33 Acrylonitrile	53		3.472					ND	
35 Hexane	57		3.636					ND	
39 1,1-Dichloroethane	63		3.806					ND	
36 Isopropyl ether	45		3.826					ND	
37 Vinyl acetate	43		3.843					ND	
40 2-Chloro-1,3-butadiene	53		3.862					ND	
38 1,1-Dimethoxyethane	75		3.887					ND	
41 Tert-butyl ethyl ether	59		4.112					ND	
44 2,2-Dichloropropane	77		4.250					ND	
45 cis-1,2-Dichloroethene	96		4.269					ND	
43 2-Butanone (MEK)	43		4.281					ND	
42 Ethyl acetate	43		4.313					ND	
46 Propionitrile	54		4.355					ND	
47 Methacrylonitrile	41		4.453					ND	
48 Chlorobromomethane	128		4.457					ND	
49 Tetrahydrofuran	42		4.475					ND	
50 Chloroform	83		4.518					ND	
51 1,1,1-Trichloroethane	97		4.628					ND	
52 Cyclohexane	56		4.652					ND	
55 Carbon tetrachloride	117		4.749					ND	
54 1,1-Dichloropropene	75		4.749					ND	
53 Isobutyl alcohol	43		4.877					ND	
57 Benzene	78		4.913					ND	
146 Isooctane	57		4.921					ND	
140 t-Amyl alcohol	59		4.933					ND	
58 1,2-Dichloroethane	62		4.944					ND	
56 Tert-amyl methyl ether	73		4.970					ND	
59 n-Heptane	43		5.059					ND	
1 1,4-Difluorobenzene	114		5.195					ND	
60 n-Butanol	56		5.359					ND	
62 Trichloroethene	95		5.388					ND	
145 Ethyl acrylate	55		5.462					ND	
64 Methylcyclohexane	83		5.504					ND	
65 1,2-Dichloropropane	63		5.570					ND	
63 Methyl methacrylate	41		5.633					ND	
66 1,4-Dioxane	88		5.674					ND	
67 Dibromomethane	93		5.674					ND	
68 Dichlorobromomethane	83		5.783					ND	
70 2-Nitropropane	43		5.961					ND	
69 2-Chloroethyl vinyl ether	63		5.984					ND	
71 Epichlorohydrin	57		6.059					ND	
77 trans-1,3-Dichloropropene	75		6.106					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.203					ND	
74 Toluene	92		6.337					ND	
76 2-Methylthiophene	97		6.442					ND	
72 cis-1,3-Dichloropropene	75		6.526					ND	
75 Ethyl methacrylate	69		6.556					ND	
78 3-Methylthiophene	97		6.570					ND	
79 1,1,2-Trichloroethane	83		6.672					ND	
81 Tetrachloroethene	166		6.751					ND	
82 1,3-Dichloropropane	76		6.799					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 2-Hexanone	43		6.830					ND	
149 n-Butyl acetate	43		6.910					ND	
83 Chlorodibromomethane	129		6.982					ND	
84 Ethylene Dibromide	107		7.073					ND	
139 1-Chlorohexane	55		7.379					ND	
85 3-Chlorobenzotrifluoride	180		7.385					ND	
87 Chlorobenzene	112		7.432					ND	
86 4-Chlorobenzotrifluoride	180		7.433					ND	
88 Ethylbenzene	91		7.493					ND	
89 1,1,1,2-Tetrachloroethane	131		7.499					ND	
90 m-Xylene & p-Xylene	106		7.584					ND	
91 o-Xylene	106		7.907					ND	
92 Styrene	104		7.925					ND	
95 Bromoform	173		8.107					ND	
93 2-Chlorobenzotrifluoride	180		8.121					ND	
94 Isopropylbenzene	105		8.186					ND	
96 Cyclohexanone	55		8.316					ND	
101 Bromobenzene	156		8.466					ND	
97 1,1,2,2-Tetrachloroethane	83		8.472					ND	
100 1,2,3-Trichloropropane	110		8.509					ND	
98 trans-1,4-Dichloro-2-buten	53		8.509					ND	
99 N-Propylbenzene	91		8.521					ND	
103 2-Chlorotoluene	126		8.612					ND	
102 1,3,5-Trimethylbenzene	105		8.661					ND	
104 3-Chlorotoluene	126		8.662					ND	
105 4-Chlorotoluene	126		8.697					ND	
106 tert-Butylbenzene	134		8.922					ND	
107 1,2,4-Trimethylbenzene	105		8.965					ND	
108 Pentachloroethane	167		8.979					ND	
109 sec-Butylbenzene	105		9.105					ND	
110 4-Isopropyltoluene	119		9.214					ND	
111 1,3-Dichlorobenzene	146		9.227					ND	
113 1,4-Dichlorobenzene	146		9.300					ND	
114 Dicyclopentadiene	66		9.301					ND	
112 1,2,3-Trimethylbenzene	105		9.319					ND	
143 Benzyl chloride	126		9.417					ND	
115 n-Butylbenzene	91		9.555					ND	
116 1,2-Dichlorobenzene	146		9.610					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.267					ND	
118 1,3,5-Trichlorobenzene	180		10.414					ND	
119 1,2,4-Trichlorobenzene	180		10.936					ND	
120 Hexachlorobutadiene	225		11.046					ND	
121 Naphthalene	128		11.137					ND	
122 1,2,3-Trichlorobenzene	180		11.331					ND	
142 2-Methylnaphthalene	142		11.996					ND	
132 Halothane	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 127 Ethanol TIC	45		2.280					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 134 Pentachloroethane TIC	1		0.000					ND	
T 136 Propene oxide TIC	1		0.000					ND	
T 133 bis(chloromethyl)ether TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 138 Ethylene oxide TIC	1		0.000					ND	
T 137 1-Bromopropane TIC	1		0.000					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	

Reagents:

Q_8260_IS_00106	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added:	1.25	Units: uL	Run Reagent

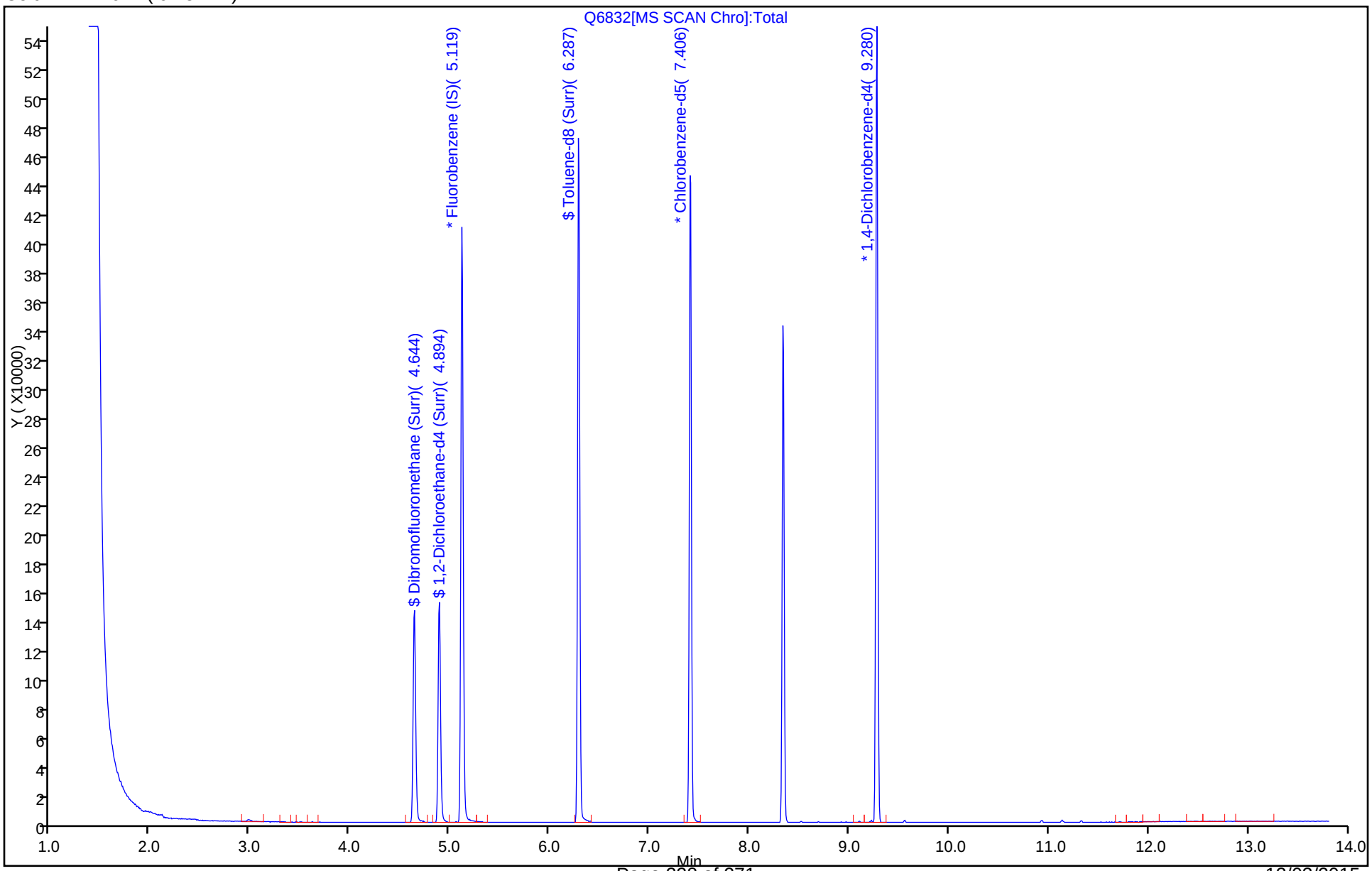
Report Date: 24-Nov-2015 03:34:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6832.D

Injection Date:	24-Nov-2015 03:08:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-276589/1-A

Matrix: Solid | Lab File ID: F2666.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 11/24/2015 00:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276587 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	46.5		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	56.8		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	44.5		5.0	1.1
79-00-5	1,1,2-Trichloroethane	53.2		5.0	0.65
75-34-3	1,1-Dichloroethane	49.1		5.0	0.61
75-35-4	1,1-Dichloroethene	45.8		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	52.6		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	54.9		5.0	2.5
106-93-4	1,2-Dibromoethane	53.5		5.0	0.64
95-50-1	1,2-Dichlorobenzene	51.1		5.0	0.39
107-06-2	1,2-Dichloroethane	48.4		5.0	0.25
78-87-5	1,2-Dichloropropane	51.5		5.0	2.5
541-73-1	1,3-Dichlorobenzene	51.6		5.0	0.26
106-46-7	1,4-Dichlorobenzene	51.0		5.0	0.70
78-93-3	2-Butanone (MEK)	301		25	1.8
591-78-6	2-Hexanone	304		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	291		25	1.6
67-64-1	Acetone	284		25	4.2
71-43-2	Benzene	49.9		5.0	0.24
75-27-4	Bromodichloromethane	50.1		5.0	0.67
75-25-2	Bromoform	52.3		5.0	2.5
74-83-9	Bromomethane	43.9		5.0	0.45
75-15-0	Carbon disulfide	47.4		5.0	2.5
56-23-5	Carbon tetrachloride	45.7		5.0	0.48
108-90-7	Chlorobenzene	49.5		5.0	0.66
75-00-3	Chloroethane	45.6		5.0	1.1
67-66-3	Chloroform	48.5		5.0	0.31
74-87-3	Chloromethane	43.4		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	49.7		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	52.8		5.0	0.72
110-82-7	Cyclohexane	46.4		5.0	0.70
124-48-1	Dibromochloromethane	53.3		5.0	0.64
75-71-8	Dichlorodifluoromethane	33.7		5.0	0.41
100-41-4	Ethylbenzene	49.8		5.0	0.34
98-82-8	Isopropylbenzene	50.2		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-276589/1-A

Matrix: Solid | Lab File ID: F2666.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 11/24/2015 00:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276587 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	283		5.0	3.0
1634-04-4	Methyl tert-butyl ether	52.0		5.0	0.49
108-87-2	Methylcyclohexane	46.3		5.0	0.76
75-09-2	Methylene Chloride	46.5		5.0	2.3
100-42-5	Styrene	52.8		5.0	0.25
127-18-4	Tetrachloroethene	49.1		5.0	0.67
108-88-3	Toluene	51.0		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	49.5		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	53.8		5.0	2.2
79-01-6	Trichloroethene	49.2		5.0	1.1
75-69-4	Trichlorofluoromethane	39.3		5.0	0.47
75-01-4	Vinyl chloride	43.1		5.0	0.61
1330-20-7	Xylenes, Total	96.8		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		64-126
460-00-4	4-Bromofluorobenzene (Surr)	89		72-126
2037-26-5	Toluene-d8 (Surr)	88		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2666.D
Lims ID: LCS 480-276589/1-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Nov-2015 00:47:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-276589/1-A
Misc. Info.: 480-0048640-005
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 01:36:34 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: diasn Date: 24-Nov-2015 01:36:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	205515	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	399216	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	362008	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	182074	50.0	43.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	111663	50.0	44.3	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	721446	50.0	44.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.416	-0.001	87	196752	50.0	44.3	
10 Dichlorodifluoromethane	85	1.902	1.908	-0.006	100	255080	50.0	33.8	
12 Chloromethane	50	2.054	2.061	-0.006	99	264091	50.0	43.5	
13 Vinyl chloride	62	2.170	2.176	-0.006	98	225462	50.0	43.2	
151 Butadiene	54	2.176	2.182	-0.006	93	228001	50.0	42.8	
14 Bromomethane	94	2.450	2.456	-0.006	90	149623	50.0	44.0	
15 Chloroethane	64	2.523	2.523	0.000	100	129216	50.0	45.7	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	99	352948	50.0	44.7	
17 Trichlorofluoromethane	101	2.699	2.705	-0.006	99	313615	50.0	39.3	
18 Ethyl ether	59	2.906	2.906	0.000	92	225191	50.0	42.0	
20 Acrolein	56	3.064	3.064	0.000	99	370507	250.0	287.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.095	3.101	-0.006	94	257341	50.0	44.6	
22 1,1-Dichloroethene	96	3.119	3.119	0.000	99	275035	50.0	45.9	
23 Acetone	43	3.174	3.174	0.000	100	625052	250.0	284.4	
25 Iodomethane	142	3.277	3.277	0.000	98	508409	50.0	47.8	
26 Carbon disulfide	76	3.332	3.332	0.000	99	918440	50.0	47.5	
27 Methyl acetate	43	3.393	3.393	0.000	98	1686417	250.0	284.0	
28 3-Chloro-1-propene	41	3.393	3.399	-0.006	95	566131	50.0	51.6	
30 Methylene Chloride	84	3.508	3.508	0.000	95	345153	50.0	46.6	
31 2-Methyl-2-propanol	59	3.557	3.557	0.000	99	438768	500.0	565.6	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	96	970001	50.0	52.1	
34 trans-1,2-Dichloroethene	96	3.691	3.691	0.000	99	324558	50.0	49.6	
33 Acrylonitrile	53	3.709	3.709	0.000	99	1503520	500.0	566.2	
35 Hexane	57	3.831	3.831	0.000	94	516837	50.0	43.9	
37 Vinyl acetate	43	4.007	4.007	0.000	97	1423023	100.0	119.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	4.025	4.026	-0.001	97	578234	50.0	49.2	
43 2-Butanone (MEK)	43	4.463	4.464	-0.001	100	1017381	250.0	301.7	
44 2,2-Dichloropropane	77	4.463	4.464	-0.001	92	411340	50.0	48.1	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	81	348959	50.0	49.8	
48 Chlorobromomethane	128	4.682	4.683	-0.001	97	173904	50.0	51.0	
49 Tetrahydrofuran	42	4.701	4.701	0.000	93	285285	100.0	119.2	
50 Chloroform	83	4.713	4.719	-0.006	94	524724	50.0	48.6	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	98	418409	50.0	46.6	
52 Cyclohexane	56	4.883	4.889	-0.006	92	527484	50.0	46.5	
54 1,1-Dichloropropene	75	4.974	4.975	-0.001	95	421554	50.0	48.1	
55 Carbon tetrachloride	117	4.987	4.987	0.000	97	356925	50.0	45.8	
53 Isobutyl alcohol	43	5.041	5.041	0.000	94	491101	1250.0	1517.6	
57 Benzene	78	5.163	5.163	0.000	97	1294962	50.0	50.0	
58 1,2-Dichloroethane	62	5.200	5.200	0.000	96	412945	50.0	48.5	
59 n-Heptane	43	5.254	5.254	0.000	95	540148	50.0	45.5	
62 Trichloroethene	95	5.686	5.686	0.000	98	319640	50.0	49.3	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	516632	50.0	46.4	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	96	322490	50.0	51.6	
66 1,4-Dioxane	88	6.015	6.009	0.006	94	72580	1000.0	1221.4	
67 Dibromomethane	93	6.033	6.033	0.000	96	188090	50.0	51.8	
68 Dichlorobromomethane	83	6.143	6.143	0.000	100	376584	50.0	50.2	
69 2-Chloroethyl vinyl ether	63	6.355	6.356	-0.001	92	182464	50.0	57.9	
72 cis-1,3-Dichloropropene	75	6.520	6.526	-0.006	98	498545	50.0	52.9	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	97	1932069	250.0	291.7	
74 Toluene	92	6.818	6.818	0.000	99	809456	50.0	51.1	
75 Ethyl methacrylate	69	7.037	7.037	0.000	82	419216	50.0	56.5	
77 trans-1,3-Dichloropropene	75	7.037	7.043	-0.006	93	441537	50.0	53.9	
79 1,1,2-Trichloroethane	83	7.238	7.238	0.000	91	232495	50.0	53.3	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	312856	50.0	49.2	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	479478	50.0	53.1	
80 2-Hexanone	43	7.414	7.414	0.000	96	1436647	250.0	304.1	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	294071	50.0	53.4	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	290243	50.0	53.7	
87 Chlorobenzene	112	8.223	8.223	0.000	95	858658	50.0	49.6	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1429912	50.0	49.9	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	279949	50.0	50.1	
90 m-Xylene & p-Xylene	106	8.400	8.406	-0.006	99	578127	50.0	46.9	
91 o-Xylene	106	8.831	8.838	-0.007	97	555638	50.0	50.1	
92 Styrene	104	8.856	8.856	0.000	95	945027	50.0	52.9	
95 Bromoform	173	9.136	9.130	0.006	95	153190	50.0	52.4	
94 Isopropylbenzene	105	9.203	9.203	0.000	95	1349125	50.0	50.3	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	95	371154	50.0	56.9	
101 Bromobenzene	156	9.586	9.586	0.000	94	348783	50.0	51.0	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	62	132546	50.0	58.4	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	1627613	50.0	51.3	
100 1,2,3-Trichloropropane	110	9.635	9.635	-0.001	82	116706	50.0	54.8	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	334141	50.0	50.5	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	95	1130980	50.0	50.0	
105 4-Chlorotoluene	126	9.860	9.860	0.000	97	360505	50.0	51.4	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	254437	50.0	49.7	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	1169965	50.0	50.2	
109 sec-Butylbenzene	105	10.316	10.316	0.000	94	1445793	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.444	10.444	0.000	97	1255409	50.0	50.4	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	681964	50.0	51.7	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	683220	50.0	51.1	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	1133389	50.0	52.2	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	632324	50.0	51.2	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	86	61050	50.0	55.0	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	95	355887	50.0	52.7	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	142563	50.0	47.7	
121 Naphthalene	128	12.445	12.445	0.000	97	1118737	50.0	51.2	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	323054	50.0	51.3	

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00400	Amount Added:	1.00	Units: uL	Run Reagent

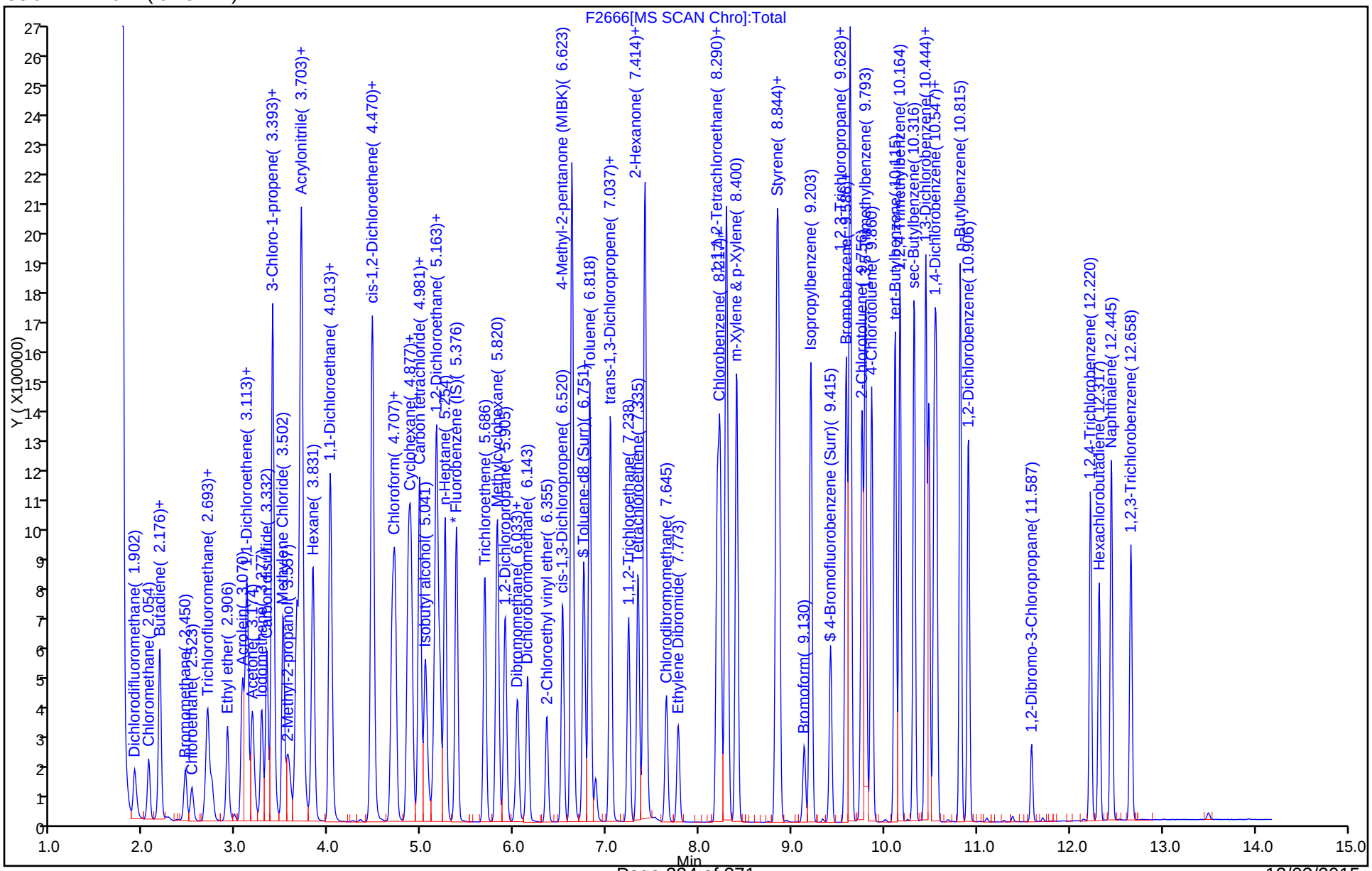
Report Date: 24-Nov-2015 01:36:36 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151123-48640.b\F2666.D

Injection Date:	24-Nov-2015 00:47:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	LCS 480-276589/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-276597/4

Matrix: Water Lab File ID: Q6830.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 11/24/2015 02:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 276597 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.3		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.1		1.0	0.23
75-34-3	1,1-Dichloroethane	25.7		1.0	0.38
75-35-4	1,1-Dichloroethene	28.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.6		1.0	0.39
106-93-4	1,2-Dibromoethane	27.5		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.2		1.0	0.79
107-06-2	1,2-Dichloroethane	23.3		1.0	0.21
78-87-5	1,2-Dichloropropane	26.2		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.7		1.0	0.84
78-93-3	2-Butanone (MEK)	136		10	1.3
591-78-6	2-Hexanone	133		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	129		5.0	2.1
67-64-1	Acetone	188		10	3.0
71-43-2	Benzene	26.1		1.0	0.41
75-27-4	Bromodichloromethane	25.0		1.0	0.39
75-25-2	Bromoform	25.4		1.0	0.26
74-83-9	Bromomethane	24.3		1.0	0.69
75-15-0	Carbon disulfide	27.1		1.0	0.19
56-23-5	Carbon tetrachloride	23.4		1.0	0.27
108-90-7	Chlorobenzene	27.5		1.0	0.75
75-00-3	Chloroethane	24.9		1.0	0.32
67-66-3	Chloroform	25.2		1.0	0.34
74-87-3	Chloromethane	27.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.5		1.0	0.36
110-82-7	Cyclohexane	27.6		1.0	0.18
124-48-1	Dibromochloromethane	25.8		1.0	0.32
75-71-8	Dichlorodifluoromethane	32.7		1.0	0.68
100-41-4	Ethylbenzene	26.5		1.0	0.74
98-82-8	Isopropylbenzene	26.0		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-276597/4

Matrix: Water | Lab File ID: Q6830.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 02:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	148		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.2		1.0	0.16
108-87-2	Methylcyclohexane	28.4		1.0	0.16
75-09-2	Methylene Chloride	29.5		1.0	0.44
100-42-5	Styrene	26.6		1.0	0.73
127-18-4	Tetrachloroethene	29.7		1.0	0.36
108-88-3	Toluene	26.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.4		1.0	0.37
79-01-6	Trichloroethene	27.4		1.0	0.46
75-69-4	Trichlorofluoromethane	24.7		1.0	0.88
75-01-4	Vinyl chloride	28.8		1.0	0.90
1330-20-7	Xylenes, Total	53.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6830.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Nov-2015 02:16:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0048642-004
Operator ID: CDC Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 03:24:56 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: cwiklinc Date: 24-Nov-2015 03:24:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.115	5.120	-0.005	99	70386	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.409	7.408	0.001	83	131771	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.277	9.281	-0.004	92	158882	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.641	4.640	0.001	95	90411	25.0	23.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.890	4.889	0.001	0	51405	25.0	23.0	
$ 5 Toluene-d8 (Surr)	98	6.290	6.288	0.002	92	311498	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.340	8.338	0.002	98	108440	25.0	25.6	
10 Dichlorodifluoromethane	85	1.453	1.440	0.013	99	156567	25.0	32.7	M
12 Chloromethane	50	1.605	1.604	0.001	99	151952	25.0	27.7	
13 Vinyl chloride	62	1.721	1.720	0.001	70	152776	25.0	28.8	
144 Butadiene	54	1.721	1.720	0.001	90	146401	25.0	28.7	
14 Bromomethane	94	2.025	1.999	0.026	1	82941	25.0	24.3	M
15 Chloroethane	64	2.110	2.109	0.001	100	81979	25.0	24.9	
17 Trichlorofluoromethane	101	2.305	2.298	0.007	99	172082	25.0	24.7	
16 Dichlorofluoromethane	67	2.323	2.322	0.001	98	195687	25.0	23.6	
18 Ethyl ether	59	2.591	2.590	0.001	90	115312	25.0	24.7	
20 Acrolein	56	2.737	2.736	0.001	100	192412	125.0	311.4	
22 1,1-Dichloroethene	96	2.792	2.790	0.002	98	120810	25.0	28.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.816	2.815	0.001	90	121007	25.0	28.9	
23 Acetone	43	2.883	2.882	0.001	100	348702	125.0	188.2	
25 Iodomethane	142	2.931	2.930	0.001	98	241030	25.0	27.8	
26 Carbon disulfide	76	2.974	2.973	0.001	99	378524	25.0	27.1	
28 3-Chloro-1-propene	41	3.120	3.119	0.001	93	190721	25.0	23.9	
27 Methyl acetate	43	3.157	3.155	0.002	98	806019	125.0	147.6	
30 Methylene Chloride	84	3.242	3.240	0.002	93	126733	25.0	29.5	
31 2-Methyl-2-propanol	59	3.382	3.380	0.002	100	335307	250.0	527.0	
32 Methyl tert-butyl ether	73	3.442	3.441	0.001	94	388155	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.455	3.453	0.002	99	125356	25.0	27.1	
33 Acrylonitrile	53	3.473	3.472	0.001	99	765054	250.0	247.5	
35 Hexane	57	3.643	3.636	0.007	92	165553	25.0	26.9	
39 1,1-Dichloroethane	63	3.807	3.806	0.001	97	216921	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.844	3.843	0.001	97	525418	50.0	54.3	
44 2,2-Dichloropropane	77	4.252	4.250	0.002	89	115994	25.0	22.6	
45 cis-1,2-Dichloroethene	96	4.270	4.269	0.001	81	135110	25.0	26.7	
43 2-Butanone (MEK)	43	4.282	4.281	0.001	100	543784	125.0	136.3	
48 Chlorobromomethane	128	4.458	4.457	0.001	93	74495	25.0	27.7	
49 Tetrahydrofuran	42	4.477	4.475	0.002	89	155649	50.0	53.8	
50 Chloroform	83	4.513	4.518	-0.005	94	198122	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.629	4.628	0.001	98	160467	25.0	23.9	
52 Cyclohexane	56	4.653	4.652	0.001	90	216482	25.0	27.6	
54 1,1-Dichloropropene	75	4.750	4.749	0.001	97	167008	25.0	27.3	
55 Carbon tetrachloride	117	4.750	4.749	0.001	97	139890	25.0	23.4	
53 Isobutyl alcohol	43	4.872	4.877	-0.005	95	334058	625.0	932.2	
57 Benzene	78	4.909	4.913	-0.004	95	464054	25.0	26.1	
58 1,2-Dichloroethane	62	4.945	4.944	0.001	97	161472	25.0	23.3	
59 n-Heptane	43	5.061	5.059	0.002	93	154070	25.0	25.4	
62 Trichloroethene	95	5.389	5.388	0.001	94	123192	25.0	27.4	
64 Methylcyclohexane	83	5.505	5.504	0.001	89	199527	25.0	28.4	
65 1,2-Dichloropropane	63	5.566	5.570	-0.004	96	112590	25.0	26.2	
67 Dibromomethane	93	5.675	5.674	0.001	91	78682	25.0	26.4	
66 1,4-Dioxane	88	5.669	5.674	-0.005	93	35903	500.0	722.7	
68 Dichlorobromomethane	83	5.785	5.783	0.002	99	140569	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	5.985	5.984	0.001	92	87465	25.0	28.9	
77 trans-1,3-Dichloropropene	75	6.107	6.106	0.001	93	182565	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK	43	6.204	6.203	0.001	95	966443	125.0	129.3	
74 Toluene	92	6.338	6.337	0.001	99	288113	25.0	26.3	
72 cis-1,3-Dichloropropene	75	6.527	6.526	0.001	97	161393	25.0	27.5	
75 Ethyl methacrylate	69	6.557	6.556	0.001	89	170368	25.0	26.4	
79 1,1,2-Trichloroethane	83	6.673	6.672	0.001	90	85286	25.0	26.1	
81 Tetrachloroethene	166	6.752	6.751	0.001	97	142727	25.0	29.7	
82 1,3-Dichloropropane	76	6.801	6.799	0.002	88	182149	25.0	26.9	
80 2-Hexanone	43	6.831	6.830	0.001	96	703159	125.0	132.6	
83 Chlorodibromomethane	129	6.983	6.982	0.001	90	118574	25.0	25.8	
84 Ethylene Dibromide	107	7.074	7.073	0.001	99	120553	25.0	27.5	
87 Chlorobenzene	112	7.433	7.432	0.001	97	325927	25.0	27.5	
88 Ethylbenzene	91	7.494	7.493	0.001	98	516856	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	7.494	7.499	-0.005	56	117001	25.0	24.9	
90 m-Xylene & p-Xylene	106	7.585	7.584	0.001	0	222942	25.0	27.3	
91 o-Xylene	106	7.908	7.907	0.002	95	223201	25.0	26.6	
92 Styrene	104	7.920	7.925	-0.005	95	354685	25.0	26.6	
95 Bromoform	173	8.109	8.107	0.001	98	78355	25.0	25.4	
94 Isopropylbenzene	105	8.188	8.186	0.002	95	564704	25.0	26.0	
101 Bromobenzene	156	8.467	8.466	0.001	92	150850	25.0	25.8	
97 1,1,2,2-Tetrachloroethane	83	8.474	8.472	0.002	96	171093	25.0	25.3	
100 1,2,3-Trichloropropane	110	8.510	8.509	0.001	85	60343	25.0	25.1	
98 trans-1,4-Dichloro-2-buten	53	8.510	8.509	0.001	73	47844	25.0	22.9	
99 N-Propylbenzene	91	8.522	8.521	0.001	98	617980	25.0	25.9	
103 2-Chlorotoluene	126	8.613	8.612	0.001	98	139604	25.0	26.6	
102 1,3,5-Trimethylbenzene	105	8.656	8.661	-0.005	95	485751	25.0	26.1	
105 4-Chlorotoluene	126	8.699	8.697	0.002	96	142183	25.0	26.0	
106 tert-Butylbenzene	134	8.924	8.922	0.002	91	116262	25.0	27.8	
107 1,2,4-Trimethylbenzene	105	8.966	8.965	0.001	96	493818	25.0	25.7	
109 sec-Butylbenzene	105	9.100	9.105	-0.005	93	603906	25.0	27.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.216	9.214	0.002	97	548345	25.0	27.1	
111 1,3-Dichlorobenzene	146	9.228	9.227	0.001	98	295559	25.0	26.2	
113 1,4-Dichlorobenzene	146	9.301	9.300	0.001	96	302252	25.0	26.7	
115 n-Butylbenzene	91	9.556	9.555	0.001	97	432929	25.0	26.7	
116 1,2-Dichlorobenzene	146	9.611	9.610	0.001	99	295990	25.0	26.2	
117 1,2-Dibromo-3-Chloropropan	75	10.268	10.267	0.001	91	40186	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	10.931	10.936	-0.005	94	212200	25.0	26.3	
120 Hexachlorobutadiene	225	11.047	11.046	0.001	96	81717	25.0	27.4	
121 Naphthalene	128	11.138	11.137	0.001	97	646033	25.0	24.3	
122 1,2,3-Trichlorobenzene	180	11.327	11.331	-0.004	96	193077	25.0	24.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00121	Amount Added:	12.50	Units: uL	
8260 CORP mix_00056	Amount Added:	12.50	Units: uL	
Q_8260_IS_00106	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added:	1.25	Units: uL	Run Reagent

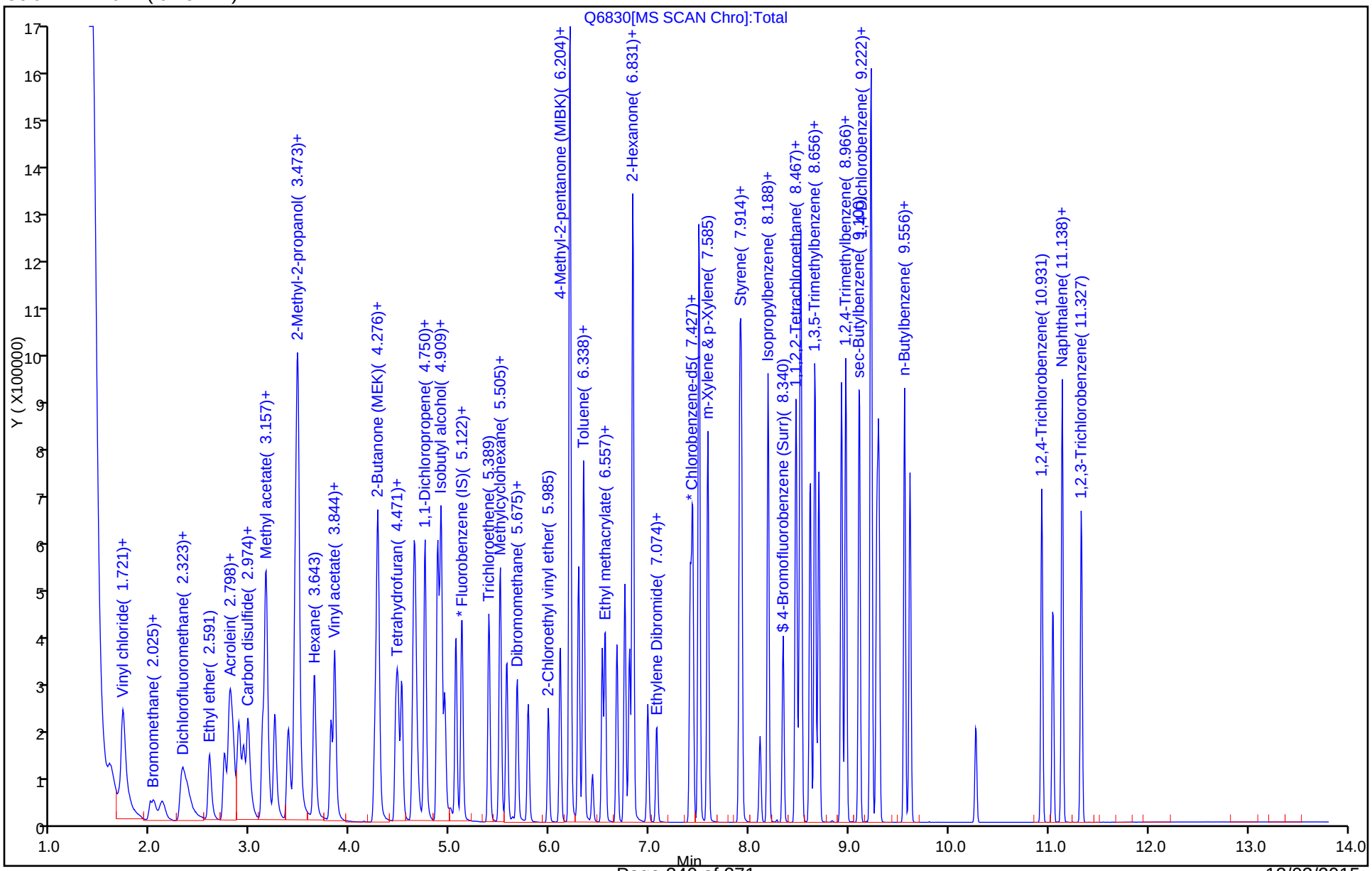
Report Date: 24-Nov-2015 03:24:56 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6830.D

Injection Date:	24-Nov-2015 02:16:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

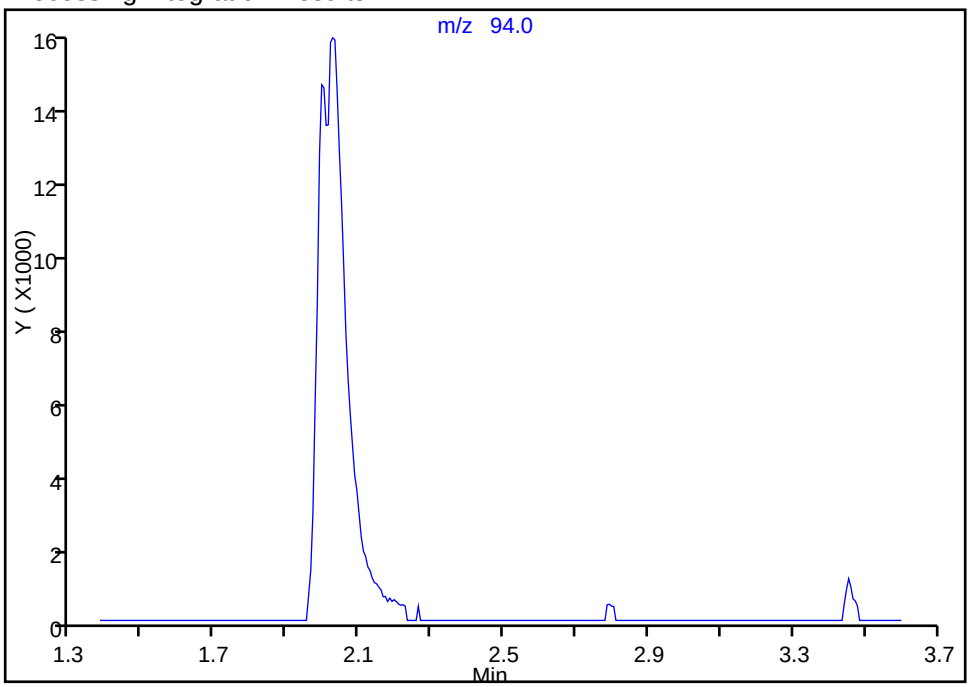
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6830.D
Injection Date: 24-Nov-2015 02:16:30 Instrument ID: HP5973Q
Lims ID: LCS
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

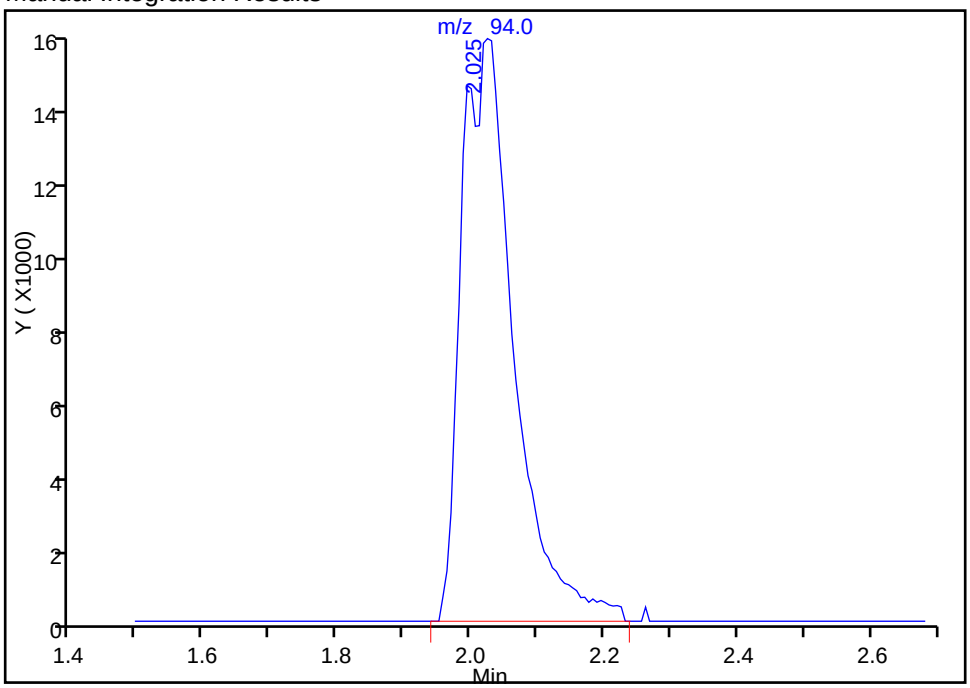
Not Detected
Expected RT: 2.00

Processing Integration Results



Manual Integration Results

RT: 2.03
Area: 82941
Amount: 24.309488
Amount Units: ug/L



Reviewer: cwiklinc, 24-Nov-2015 03:24:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

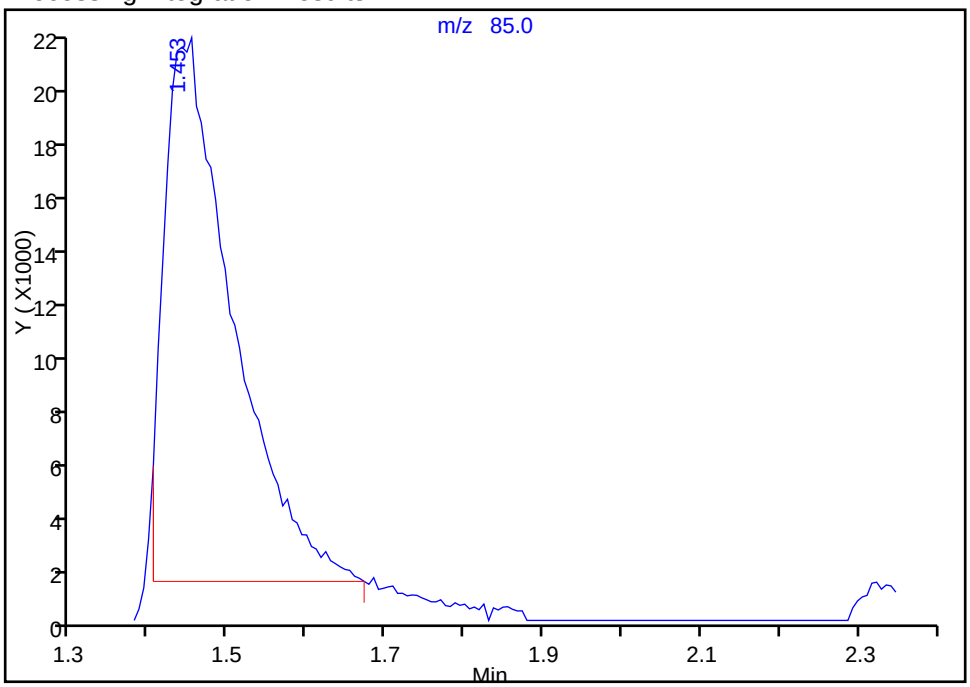
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6830.D
Injection Date: 24-Nov-2015 02:16:30 Instrument ID: HP5973Q
Lims ID: LCS
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

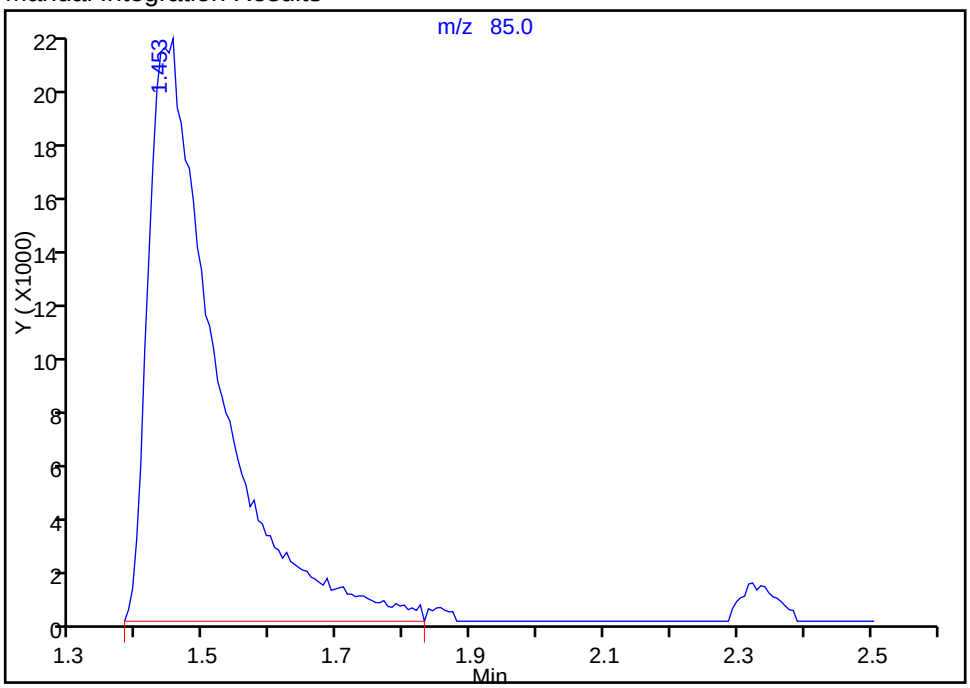
Processing Integration Results

RT: 1.45
Area: 123164
Amount: 25.727312
Amount Units: ug/L



Manual Integration Results

RT: 1.45
Area: 156567
Amount: 32.704752
Amount Units: ug/L



Reviewer: cwiklinc, 24-Nov-2015 03:24:56
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

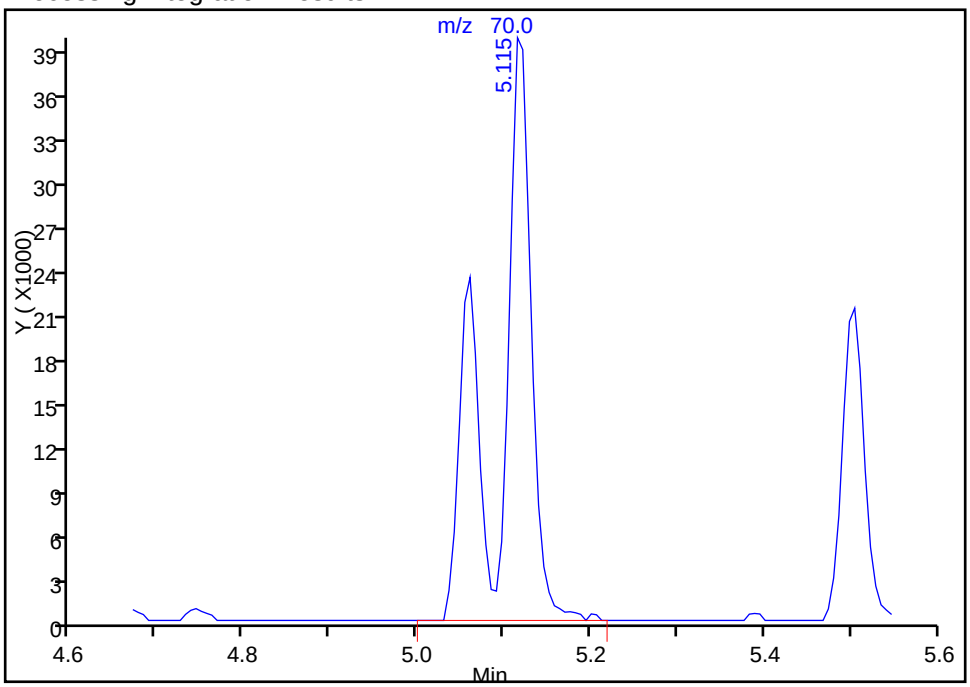
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6830.D
Injection Date: 24-Nov-2015 02:16:30 Instrument ID: HP5973Q
Lims ID: LCS
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

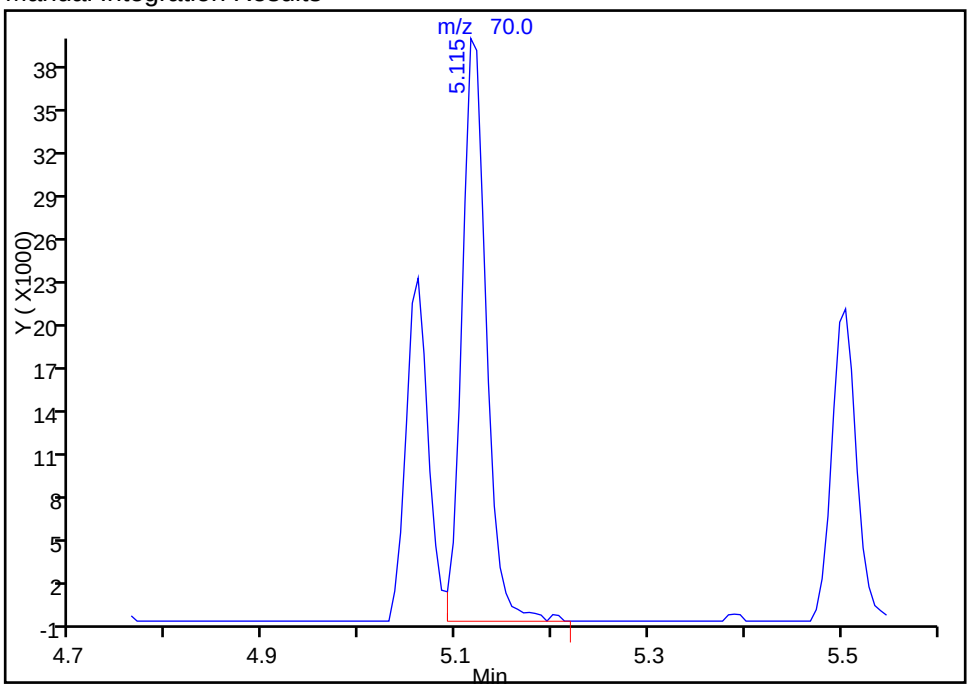
Processing Integration Results

RT: 5.12
Area: 107843
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 70386
Amount: 25.000000
Amount Units: ug/L



Reviewer: cwiklinc, 24-Nov-2015 03:24:56
Audit Action: Manually Integrated
Audit Reason: Other

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-W MS | Lab Sample ID: 480-91550-3 MS

Matrix: Water | Lab File ID: Q6851.D

Analysis Method: 8260C | Date Collected: 11/19/2015 11:45

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 11:50

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	212		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	238		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	269		10	3.1
79-00-5	1,1,2-Trichloroethane	247		10	2.3
75-34-3	1,1-Dichloroethane	233		10	3.8
75-35-4	1,1-Dichloroethene	257		10	2.9
120-82-1	1,2,4-Trichlorobenzene	237		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	215		10	3.9
106-93-4	1,2-Dibromoethane	252		10	7.3
95-50-1	1,2-Dichlorobenzene	240		10	7.9
107-06-2	1,2-Dichloroethane	215		10	2.1
78-87-5	1,2-Dichloropropane	245		10	7.2
541-73-1	1,3-Dichlorobenzene	238		10	7.8
106-46-7	1,4-Dichlorobenzene	245		10	8.4
78-93-3	2-Butanone (MEK)	1210		100	13
591-78-6	2-Hexanone	1230		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	1200		50	21
67-64-1	Acetone	1680		100	30
71-43-2	Benzene	241		10	4.1
75-27-4	Bromodichloromethane	227		10	3.9
75-25-2	Bromoform	221		10	2.6
74-83-9	Bromomethane	156		10	6.9
75-15-0	Carbon disulfide	240		10	1.9
56-23-5	Carbon tetrachloride	200		10	2.7
108-90-7	Chlorobenzene	254		10	7.5
75-00-3	Chloroethane	205		10	3.2
67-66-3	Chloroform	232		10	3.4
74-87-3	Chloromethane	265		10	3.5
156-59-2	cis-1,2-Dichloroethene	238		10	8.1
10061-01-5	cis-1,3-Dichloropropene	239		10	3.6
110-82-7	Cyclohexane	258		10	1.8
124-48-1	Dibromochloromethane	229		10	3.2
75-71-8	Dichlorodifluoromethane	262		10	6.8
100-41-4	Ethylbenzene	246		10	7.4
98-82-8	Isopropylbenzene	239		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-W MS | Lab Sample ID: 480-91550-3 MS

Matrix: Water | Lab File ID: Q6851.D

Analysis Method: 8260C | Date Collected: 11/19/2015 11:45

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 11:50

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1360		25	13
1634-04-4	Methyl tert-butyl ether	225		10	1.6
108-87-2	Methylcyclohexane	257		10	1.6
75-09-2	Methylene Chloride	266		10	4.4
100-42-5	Styrene	246		10	7.3
127-18-4	Tetrachloroethene	263		10	3.6
108-88-3	Toluene	244		10	5.1
156-60-5	trans-1,2-Dichloroethene	241		10	9.0
10061-02-6	trans-1,3-Dichloropropene	229		10	3.7
79-01-6	Trichloroethene	237		10	4.6
75-69-4	Trichlorofluoromethane	244		10	8.8
75-01-4	Vinyl chloride	269		10	9.0
1330-20-7	Xylenes, Total	494		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	95		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6851.D
Lims ID: 480-91550-A-3 MS
Client ID:
Sample Type: MS
Inject. Date: 24-Nov-2015 11:50:30 ALS Bottle#: 19 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-91550-A-3 MS
Misc. Info.: 480-0048642-025
Operator ID: CDC Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 12:45:22 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: gentilej Date: 24-Nov-2015 12:45:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.120	-0.002	99	68116	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.406	7.408	-0.002	84	127496	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.281	-0.002	93	153775	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.887	4.889	-0.002	0	48432	25.0	22.4	
$ 5 Toluene-d8 (Surr)	98	6.286	6.288	-0.002	92	291477	25.0	23.9	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.338	0.004	97	104008	25.0	25.4	
10 Dichlorodifluoromethane	85	1.444	1.440	0.004	99	121539	25.0	26.2	
12 Chloromethane	50	1.590	1.604	-0.014	100	140801	25.0	26.5	
13 Vinyl chloride	62	1.718	1.720	-0.002	79	138524	25.0	26.9	
14 Bromomethane	94	1.997	1.999	-0.002	91	51421	25.0	15.6	
15 Chloroethane	64	2.107	2.109	-0.002	99	65296	25.0	20.5	
17 Trichlorofluoromethane	101	2.302	2.298	0.004	99	164486	25.0	24.4	
22 1,1-Dichloroethene	96	2.788	2.790	-0.002	98	105161	25.0	25.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.813	2.815	-0.002	91	109177	25.0	26.9	
23 Acetone	43	2.886	2.882	0.004	100	302658	125.0	168.4	
26 Carbon disulfide	76	2.977	2.973	0.004	99	324703	25.0	24.0	
27 Methyl acetate	43	3.153	3.155	-0.002	98	722244	125.0	136.5	
30 Methylene Chloride	84	3.245	3.240	0.004	94	110854	25.0	26.6	
32 Methyl tert-butyl ether	73	3.445	3.441	0.004	96	349185	25.0	22.5	
34 trans-1,2-Dichloroethene	96	3.457	3.453	0.004	99	107901	25.0	24.1	
39 1,1-Dichloroethane	63	3.804	3.806	-0.002	96	189994	25.0	23.3	
45 cis-1,2-Dichloroethene	96	4.267	4.269	-0.002	82	116578	25.0	23.8	
43 2-Butanone (MEK)	43	4.279	4.281	-0.002	100	465994	125.0	120.7	
50 Chloroform	83	4.516	4.518	-0.002	93	176593	25.0	23.2	
51 1,1,1-Trichloroethane	97	4.632	4.628	0.004	98	137245	25.0	21.2	
52 Cyclohexane	56	4.650	4.652	-0.002	91	196104	25.0	25.8	
55 Carbon tetrachloride	117	4.747	4.749	-0.002	79	115518	25.0	20.0	
57 Benzene	78	4.911	4.913	-0.002	97	415430	25.0	24.1	
58 1,2-Dichloroethane	62	4.948	4.944	0.004	97	144034	25.0	21.5	
62 Trichloroethene	95	5.392	5.388	0.004	95	103137	25.0	23.7	
64 Methylcyclohexane	83	5.501	5.504	-0.003	90	174706	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63	5.568	5.570	-0.002	96	102199	25.0	24.5	
68 Dichlorobromomethane	83	5.781	5.783	-0.002	99	123045	25.0	22.7	
77 trans-1,3-Dichloropropene	75	6.104	6.106	-0.002	94	153220	25.0	22.9	
73 4-Methyl-2-pentanone (MIBK	43	6.201	6.203	-0.002	96	865373	125.0	119.7	
74 Toluene	92	6.341	6.337	0.004	99	258731	25.0	24.4	
72 cis-1,3-Dichloropropene	75	6.523	6.526	-0.003	97	135623	25.0	23.9	
79 1,1,2-Trichloroethane	83	6.676	6.672	0.004	91	78123	25.0	24.7	
81 Tetrachloroethene	166	6.755	6.751	0.004	97	122440	25.0	26.3	
80 2-Hexanone	43	6.834	6.830	0.004	96	629001	125.0	122.6	
83 Chlorodibromomethane	129	6.980	6.982	-0.002	89	101872	25.0	22.9	
84 Ethylene Dibromide	107	7.071	7.073	-0.002	99	106800	25.0	25.2	
87 Chlorobenzene	112	7.430	7.432	-0.002	97	290800	25.0	25.4	
88 Ethylbenzene	91	7.497	7.493	0.004	98	464823	25.0	24.6	
90 m-Xylene & p-Xylene	106	7.582	7.584	-0.002	0	196437		24.9	
91 o-Xylene	106	7.904	7.907	-0.002	95	198884		24.5	
92 Styrene	104	7.923	7.925	-0.002	95	317143	25.0	24.6	
95 Bromoform	173	8.105	8.107	-0.002	99	65869	25.0	22.1	
94 Isopropylbenzene	105	8.190	8.186	0.004	95	502612	25.0	23.9	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.472	-0.002	95	156108	25.0	23.8	
111 1,3-Dichlorobenzene	146	9.225	9.227	-0.002	99	259582	25.0	23.8	
113 1,4-Dichlorobenzene	146	9.298	9.300	-0.002	96	268580	25.0	24.5	
116 1,2-Dichlorobenzene	146	9.614	9.610	0.004	100	262608	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.267	0.004	90	34050	25.0	21.5	
119 1,2,4-Trichlorobenzene	180	10.934	10.936	-0.002	94	185162	25.0	23.7	
S 124 Xylenes, Total	1				0			49.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00121	Amount Added:	12.50	Units: uL	
8260 CORP mix_00056	Amount Added:	12.50	Units: uL	
Q_8260_IS_00106	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added:	1.25	Units: uL	Run Reagent

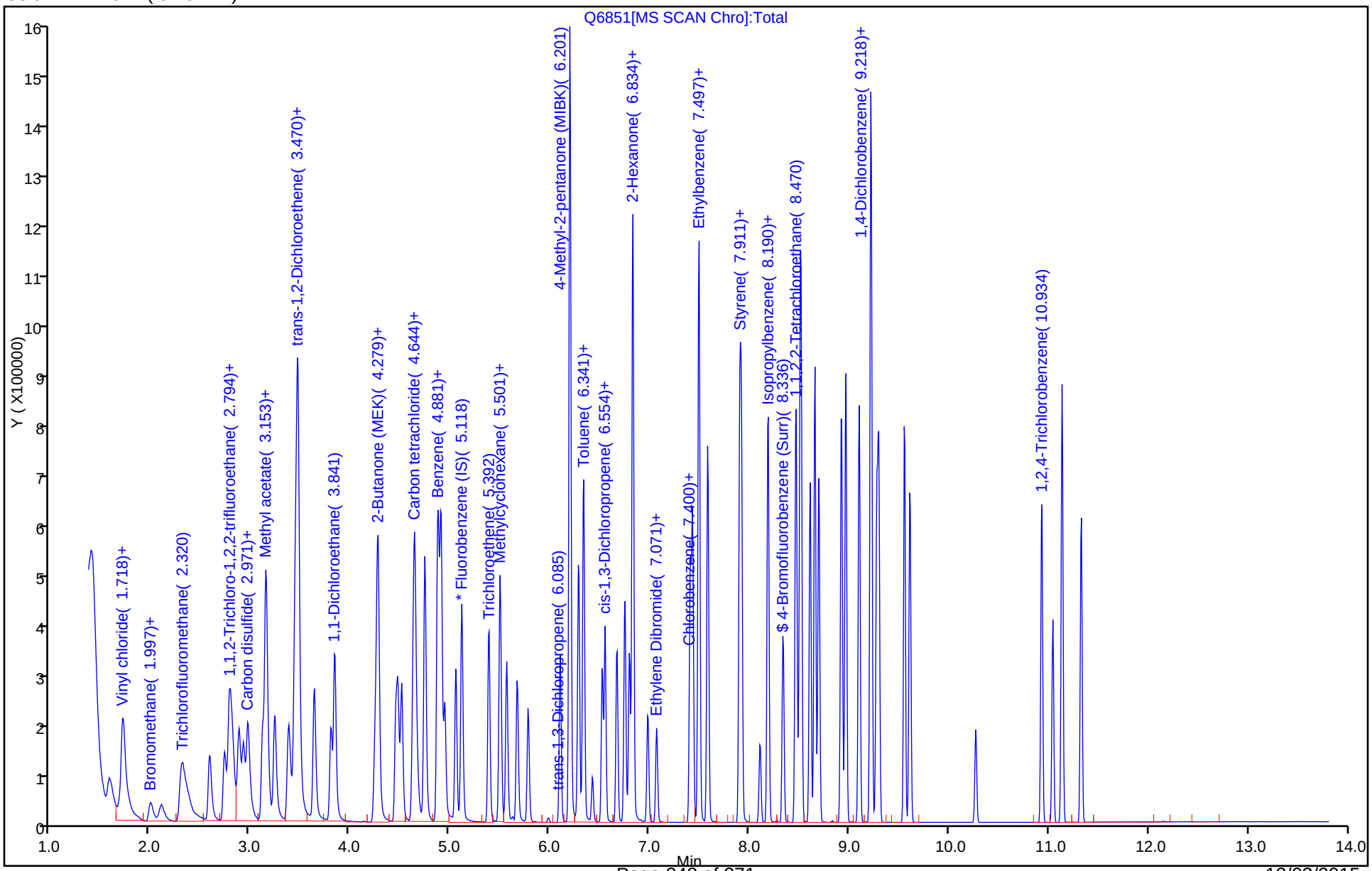
Report Date: 24-Nov-2015 12:45:23 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6851.D

Injection Date:	24-Nov-2015 11:50:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	480-91550-A-3 MS			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	19
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

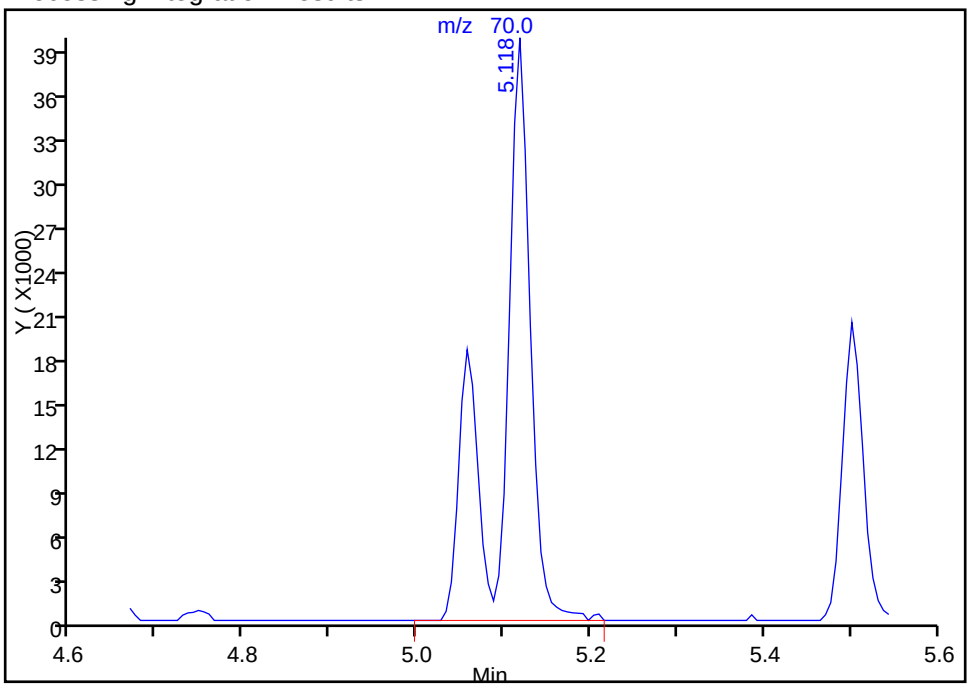
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6851.D
Injection Date: 24-Nov-2015 11:50:30 Instrument ID: HP5973Q
Lims ID: 480-91550-A-3 MS
Client ID:
Operator ID: CDC ALS Bottle#: 19 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

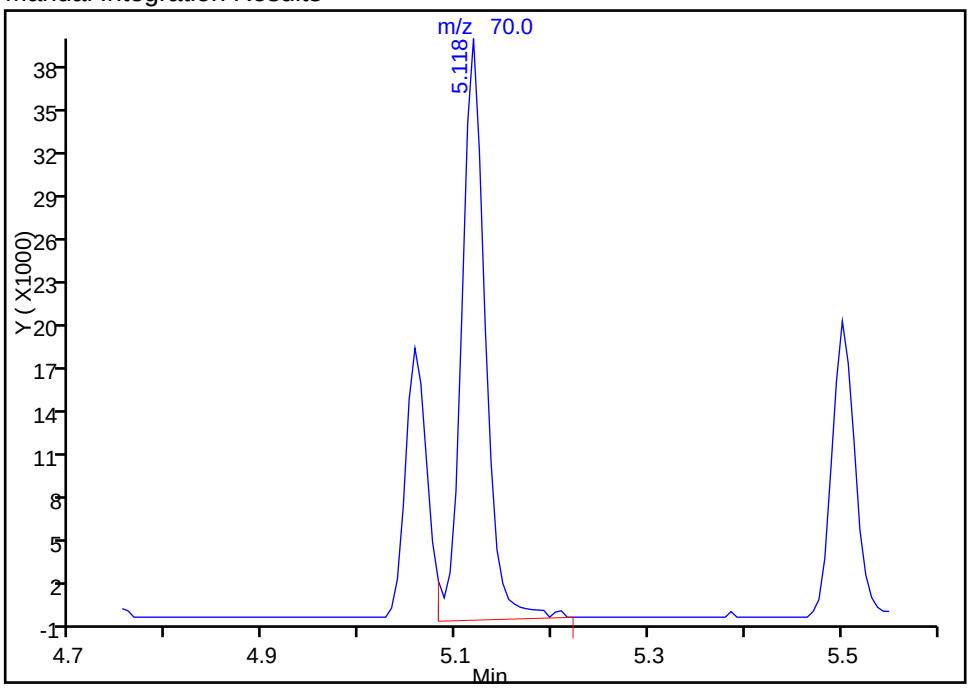
Processing Integration Results

RT: 5.12
Area: 94335
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 68116
Amount: 25.000000
Amount Units: ug/L



Reviewer: gentilej, 24-Nov-2015 12:45:22
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-W MSD | Lab Sample ID: 480-91550-3 MSD

Matrix: Water | Lab File ID: Q6852.D

Analysis Method: 8260C | Date Collected: 11/19/2015 11:45

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 12:16

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	239		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	242		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	284		10	3.1
79-00-5	1,1,2-Trichloroethane	246		10	2.3
75-34-3	1,1-Dichloroethane	251		10	3.8
75-35-4	1,1-Dichloroethene	279		10	2.9
120-82-1	1,2,4-Trichlorobenzene	233		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	218		10	3.9
106-93-4	1,2-Dibromoethane	255		10	7.3
95-50-1	1,2-Dichlorobenzene	247		10	7.9
107-06-2	1,2-Dichloroethane	227		10	2.1
78-87-5	1,2-Dichloropropane	257		10	7.2
541-73-1	1,3-Dichlorobenzene	247		10	7.8
106-46-7	1,4-Dichlorobenzene	250		10	8.4
78-93-3	2-Butanone (MEK)	1240		100	13
591-78-6	2-Hexanone	1200		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	1180		50	21
67-64-1	Acetone	1690		100	30
71-43-2	Benzene	257		10	4.1
75-27-4	Bromodichloromethane	242		10	3.9
75-25-2	Bromoform	226		10	2.6
74-83-9	Bromomethane	204		10	6.9
75-15-0	Carbon disulfide	264		10	1.9
56-23-5	Carbon tetrachloride	227		10	2.7
108-90-7	Chlorobenzene	257		10	7.5
75-00-3	Chloroethane	254		10	3.2
67-66-3	Chloroform	250		10	3.4
74-87-3	Chloromethane	275		10	3.5
156-59-2	cis-1,2-Dichloroethene	257		10	8.1
10061-01-5	cis-1,3-Dichloropropene	252		10	3.6
110-82-7	Cyclohexane	275		10	1.8
124-48-1	Dibromochloromethane	235		10	3.2
75-71-8	Dichlorodifluoromethane	279		10	6.8
100-41-4	Ethylbenzene	249		10	7.4
98-82-8	Isopropylbenzene	247		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91550-2

SDG No.:

Client Sample ID: SUMP-W MSD | Lab Sample ID: 480-91550-3 MSD

Matrix: Water | Lab File ID: Q6852.D

Analysis Method: 8260C | Date Collected: 11/19/2015 11:45

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2015 12:16

Soil Aliquot Vol: | Dilution Factor: 10

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 276597 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1420		25	13
1634-04-4	Methyl tert-butyl ether	232		10	1.6
108-87-2	Methylcyclohexane	278		10	1.6
75-09-2	Methylene Chloride	292		10	4.4
100-42-5	Styrene	250		10	7.3
127-18-4	Tetrachloroethene	273		10	3.6
108-88-3	Toluene	247		10	5.1
156-60-5	trans-1,2-Dichloroethene	265		10	9.0
10061-02-6	trans-1,3-Dichloropropene	237		10	3.7
79-01-6	Trichloroethene	258		10	4.6
75-69-4	Trichlorofluoromethane	256		10	8.8
75-01-4	Vinyl chloride	280		10	9.0
1330-20-7	Xylenes, Total	506		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6852.D
Lims ID: 480-91550-A-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 24-Nov-2015 12:16:30 ALS Bottle#: 20 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-91550-A-3 MSD
Misc. Info.: 480-0048642-026
Operator ID: CDC Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-Nov-2015 12:46:16 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: gentilej Date: 24-Nov-2015 12:46:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.120	5.120	0.000	99	66557	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.407	7.408	-0.001	84	128665	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.275	9.281	-0.006	92	153178	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.889	4.889	0.000	0	49989	25.0	23.6	
$ 5 Toluene-d8 (Surr)	98	6.288	6.288	0.000	92	297901	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.338	8.338	0.000	97	104535	25.0	25.3	
10 Dichlorodifluoromethane	85	1.433	1.440	-0.007	92	126176	25.0	27.9	
12 Chloromethane	50	1.591	1.604	-0.013	100	142487	25.0	27.5	
13 Vinyl chloride	62	1.713	1.720	-0.007	59	140869	25.0	28.0	
14 Bromomethane	94	1.993	1.999	-0.006	92	65803	25.0	20.4	
15 Chloroethane	64	2.109	2.109	0.000	99	79269	25.0	25.4	
17 Trichlorofluoromethane	101	2.303	2.298	0.005	98	168506	25.0	25.6	
22 1,1-Dichloroethene	96	2.784	2.790	-0.006	98	111709	25.0	27.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.814	2.815	-0.001	91	112388	25.0	28.4	
23 Acetone	43	2.881	2.882	-0.001	100	296992	125.0	169.1	
26 Carbon disulfide	76	2.972	2.973	-0.001	99	349085	25.0	26.4	
27 Methyl acetate	43	3.155	3.155	0.000	98	732227	125.0	141.7	
30 Methylene Chloride	84	3.240	3.240	0.000	94	118498	25.0	29.2	
32 Methyl tert-butyl ether	73	3.441	3.441	0.000	94	353261	25.0	23.2	
34 trans-1,2-Dichloroethene	96	3.453	3.453	0.000	99	116159	25.0	26.5	
39 1,1-Dichloroethane	63	3.806	3.806	0.000	96	200084	25.0	25.1	
45 cis-1,2-Dichloroethene	96	4.268	4.269	-0.001	80	123184	25.0	25.7	
43 2-Butanone (MEK)	43	4.280	4.281	-0.001	100	467395	125.0	123.9	
50 Chloroform	83	4.518	4.518	0.000	93	186230	25.0	25.0	
51 1,1,1-Trichloroethane	97	4.627	4.628	-0.001	98	151334	25.0	23.9	
52 Cyclohexane	56	4.651	4.652	-0.001	91	204190	25.0	27.5	
55 Carbon tetrachloride	117	4.749	4.749	0.000	97	128103	25.0	22.7	
57 Benzene	78	4.913	4.913	0.000	95	432748	25.0	25.7	
58 1,2-Dichloroethane	62	4.943	4.944	-0.001	97	149113	25.0	22.7	
62 Trichloroethene	95	5.388	5.388	0.000	95	109520	25.0	25.8	
64 Methylcyclohexane	83	5.503	5.504	-0.001	90	184750	25.0	27.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63	5.570	5.570	0.000	96	104632	25.0	25.7	
68 Dichlorobromomethane	83	5.783	5.783	0.000	99	128553	25.0	24.2	
77 trans-1,3-Dichloropropene	75	6.105	6.106	-0.001	93	160214	25.0	23.7	
73 4-Methyl-2-pentanone (MIBK	43	6.203	6.203	0.000	96	860960	125.0	118.0	
74 Toluene	92	6.337	6.337	0.000	99	263725	25.0	24.7	
72 cis-1,3-Dichloropropene	75	6.525	6.526	-0.001	97	140093	25.0	25.2	
79 1,1,2-Trichloroethane	83	6.671	6.672	-0.001	91	78479	25.0	24.6	
81 Tetrachloroethene	166	6.756	6.751	0.005	97	128069	25.0	27.3	
80 2-Hexanone	43	6.835	6.830	0.005	96	619362	125.0	119.6	
83 Chlorodibromomethane	129	6.981	6.982	-0.001	90	105567	25.0	23.5	
84 Ethylene Dibromide	107	7.073	7.073	0.000	99	109014	25.0	25.5	
87 Chlorobenzene	112	7.432	7.432	0.000	97	297260	25.0	25.7	
88 Ethylbenzene	91	7.492	7.493	-0.001	97	473721	25.0	24.9	
90 m-Xylene & p-Xylene	106	7.584	7.584	0.000	0	203641		25.5	
91 o-Xylene	106	7.906	7.907	0.000	95	205940		25.1	
92 Styrene	104	7.924	7.925	-0.001	96	325047	25.0	25.0	
95 Bromoform	173	8.107	8.107	0.000	99	67997	25.0	22.6	
94 Isopropylbenzene	105	8.186	8.186	0.000	95	516945	25.0	24.7	
97 1,1,2,2-Tetrachloroethane	83	8.472	8.472	0.000	95	157637	25.0	24.2	
111 1,3-Dichlorobenzene	146	9.226	9.227	-0.001	99	268221	25.0	24.7	
113 1,4-Dichlorobenzene	146	9.299	9.300	-0.001	97	272291	25.0	25.0	
116 1,2-Dichlorobenzene	146	9.609	9.610	-0.001	99	268594	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	10.273	10.267	0.006	91	34370	25.0	21.8	
119 1,2,4-Trichlorobenzene	180	10.930	10.936	-0.006	94	180985	25.0	23.3	
S 124 Xylenes, Total	1				0			50.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00121	Amount Added:	12.50	Units: uL	
8260 CORP mix_00056	Amount Added:	12.50	Units: uL	
Q_8260_IS_00106	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00099	Amount Added:	1.25	Units: uL	Run Reagent

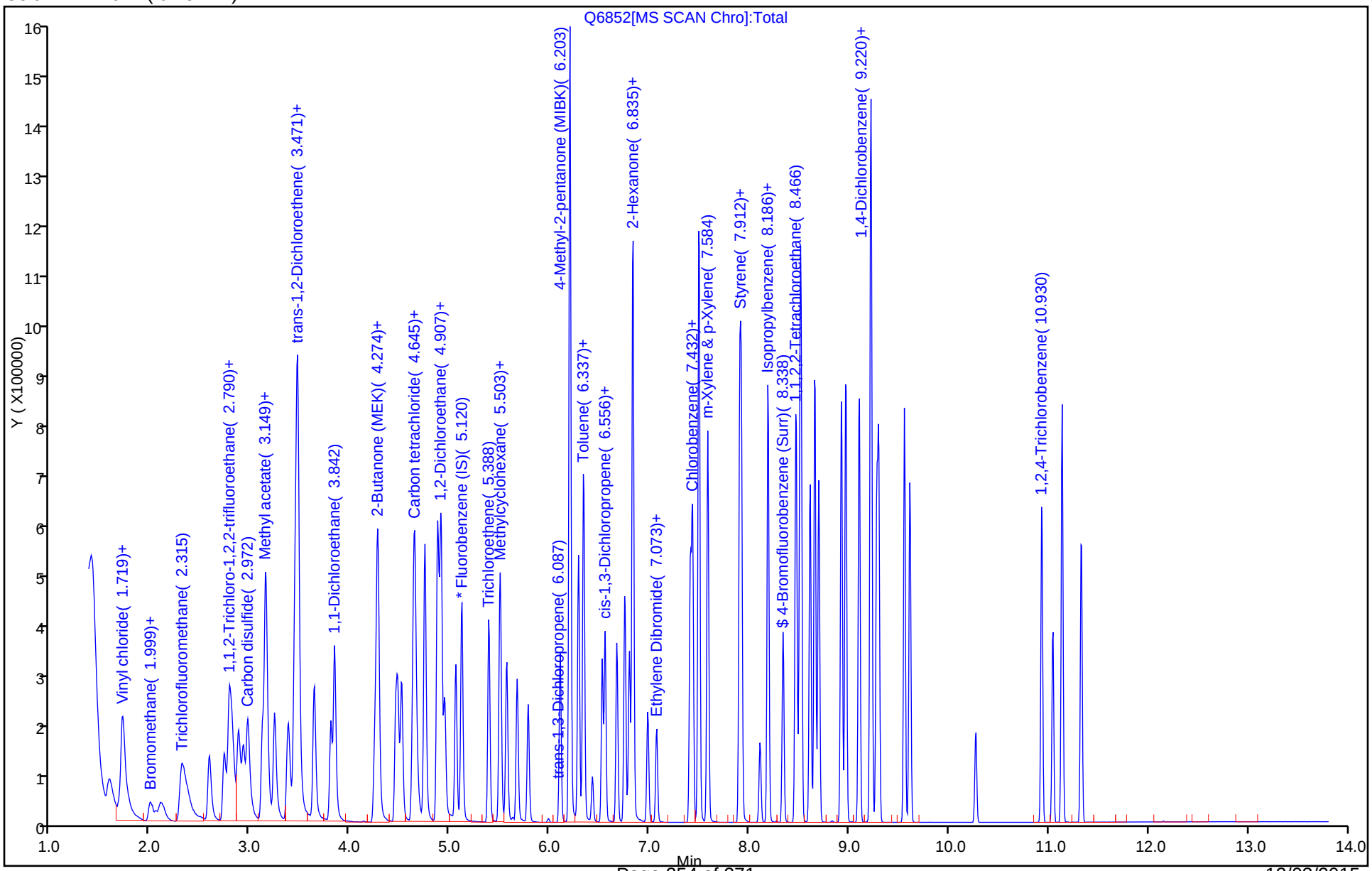
Report Date: 24-Nov-2015 12:46:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6852.D

Injection Date:	24-Nov-2015 12:16:30	Instrument ID:	HP5973Q	Operator ID:	CDC
Lims ID:	480-91550-A-3 MSD			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	20
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

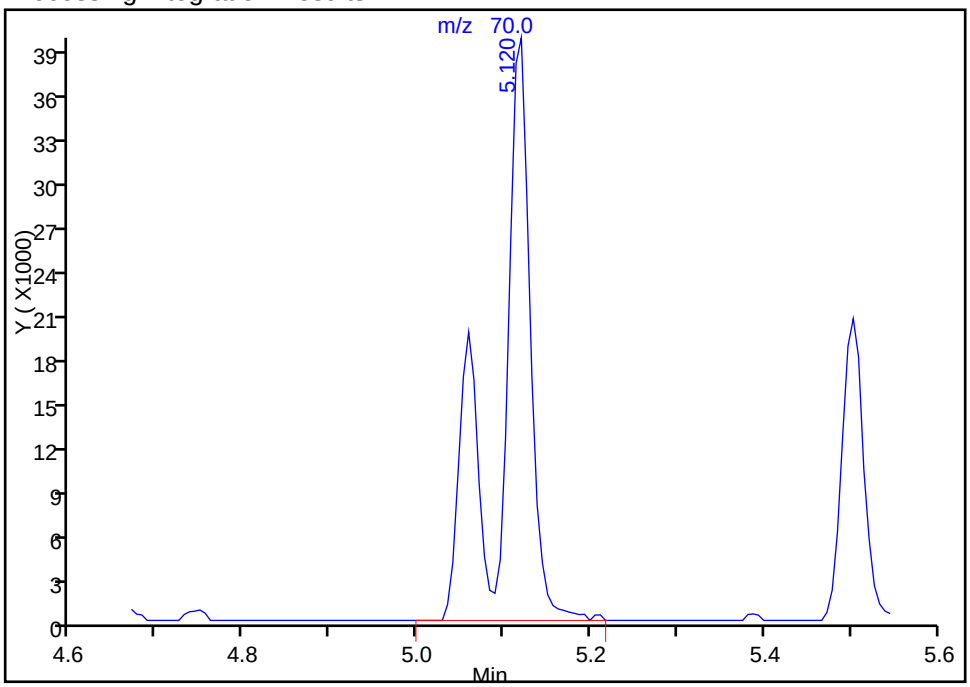
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151124-48642.b\Q6852.D
Injection Date: 24-Nov-2015 12:16:30 Instrument ID: HP5973Q
Lims ID: 480-91550-A-3 MSD
Client ID:
Operator ID: CDC ALS Bottle#: 20 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

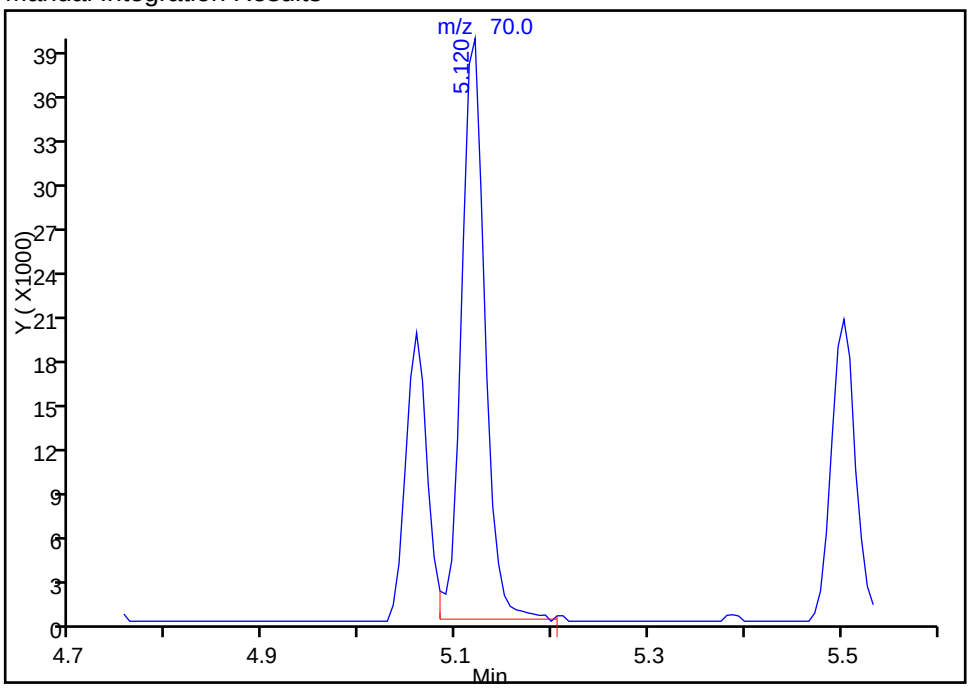
Processing Integration Results

RT: 5.12
Area: 97013
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 66557
Amount: 25.000000
Amount Units: ug/L



Reviewer: gentilej, 24-Nov-2015 12:46:15
Audit Action: Manually Integrated
Audit Reason: Peak Tail

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973F Start Date: 11/19/2015 03:01

Analysis Batch Number: 275773 End Date: 11/19/2015 12:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-275773/2		11/19/2015 03:01	1	F2486.D	ZB-624 (60) 0.25(mm)
IC 480-275773/4		11/19/2015 03:55	1	F2488.D	ZB-624 (60) 0.25(mm)
IC 480-275773/5		11/19/2015 04:21	1	F2489.D	ZB-624 (60) 0.25(mm)
IC 480-275773/6		11/19/2015 04:47	1	F2490.D	ZB-624 (60) 0.25(mm)
IC 480-275773/7		11/19/2015 05:13	1	F2491.D	ZB-624 (60) 0.25(mm)
ICIS 480-275773/8		11/19/2015 05:38	1	F2492.D	ZB-624 (60) 0.25(mm)
IC 480-275773/9		11/19/2015 06:04	1	F2493.D	ZB-624 (60) 0.25(mm)
IC 480-275773/10		11/19/2015 06:30	1	F2494.D	ZB-624 (60) 0.25(mm)
MDLV 480-275773/12		11/19/2015 07:22	1		ZB-624 (60) 0.25(mm)
IC 480-275773/14		11/19/2015 08:14	1		ZB-624 (60) 0.25(mm)
IC 480-275773/15		11/19/2015 08:39	1		ZB-624 (60) 0.25(mm)
IC 480-275773/16		11/19/2015 09:05	1		ZB-624 (60) 0.25(mm)
IC 480-275773/17		11/19/2015 09:31	1		ZB-624 (60) 0.25(mm)
IC 480-275773/18		11/19/2015 09:57	1		ZB-624 (60) 0.25(mm)
IC 480-275773/19		11/19/2015 10:23	1		ZB-624 (60) 0.25(mm)
IC 480-275773/20		11/19/2015 10:49	1		ZB-624 (60) 0.25(mm)
MDLV 480-275773/22		11/19/2015 11:40	1		ZB-624 (60) 0.25(mm)
ICV 480-275773/23		11/19/2015 12:06	1		ZB-624 (60) 0.25(mm)
ICV 480-275773/24		11/19/2015 12:32	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973F Start Date: 11/23/2015 23:25

Analysis Batch Number: 276587 End Date: 11/24/2015 10:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-276587/2		11/23/2015 23:25	1	F2663.D	ZB-624 (60) 0.25(mm)
CCVIS 480-276587/3		11/23/2015 23:52	1	F2664.D	ZB-624 (60) 0.25(mm)
CCV 480-276587/4		11/24/2015 00:18	1		ZB-624 (60) 0.25(mm)
LCS 480-276589/1-A		11/24/2015 00:47	1	F2666.D	ZB-624 (60) 0.25(mm)
MB 480-276589/2-A		11/24/2015 01:39	1	F2668.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 02:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 02:31	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 02:57	1		ZB-624 (60) 0.25(mm)
480-91550-7	SUMP-SED	11/24/2015 03:22	1	F2672.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 03:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 04:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 04:40	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 05:06	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 05:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 05:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 06:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 06:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 07:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 07:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 08:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 08:34	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 09:00	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 09:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 09:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 10:18	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973Q Start Date: 10/26/2015 18:19

Analysis Batch Number: 271162 End Date: 10/27/2015 02:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-271162/3		10/26/2015 18:19	1	Q6123.D	ZB-624 (60) 0.25(mm)
IC 480-271162/5		10/26/2015 19:12	1	Q6125.D	ZB-624 (60) 0.25(mm)
IC 480-271162/6		10/26/2015 19:38	1	Q6126.D	ZB-624 (60) 0.25(mm)
IC 480-271162/7		10/26/2015 20:04	1	Q6127.D	ZB-624 (60) 0.25(mm)
IC 480-271162/8		10/26/2015 20:30	1	Q6128.D	ZB-624 (60) 0.25(mm)
IC 480-271162/9		10/26/2015 20:55	1	Q6129.D	ZB-624 (60) 0.25(mm)
ICIS 480-271162/10		10/26/2015 21:21	1	Q6130.D	ZB-624 (60) 0.25(mm)
IC 480-271162/11		10/26/2015 21:47	1	Q6131.D	ZB-624 (60) 0.25(mm)
IC 480-271162/12		10/26/2015 22:13	1	Q6132.D	ZB-624 (60) 0.25(mm)
IC 480-271162/14		10/26/2015 23:05	1		ZB-624 (60) 0.25(mm)
IC 480-271162/15		10/26/2015 23:31	1		ZB-624 (60) 0.25(mm)
IC 480-271162/16		10/26/2015 23:57	1		ZB-624 (60) 0.25(mm)
IC 480-271162/17		10/27/2015 00:23	1		ZB-624 (60) 0.25(mm)
IC 480-271162/18		10/27/2015 00:48	1		ZB-624 (60) 0.25(mm)
IC 480-271162/19		10/27/2015 01:14	1		ZB-624 (60) 0.25(mm)
IC 480-271162/20		10/27/2015 01:40	1		ZB-624 (60) 0.25(mm)
MDLV 480-271162/22		10/27/2015 02:31	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: HP5973Q Start Date: 11/24/2015 01:17

Analysis Batch Number: 276597 End Date: 11/24/2015 12:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-276597/1		11/24/2015 01:17	1	Q6828.D	ZB-624 (60) 0.25(mm)
CCVIS 480-276597/2		11/24/2015 01:42	1	Q6829.D	ZB-624 (60) 0.25(mm)
LCS 480-276597/4		11/24/2015 02:16	1	Q6830.D	ZB-624 (60) 0.25(mm)
MB 480-276597/6		11/24/2015 03:08	1	Q6832.D	ZB-624 (60) 0.25(mm)
480-91550-1	MIP-RINSEBLANK	11/24/2015 03:50	1	Q6833.D	ZB-624 (60) 0.25(mm)
480-91550-2	TRIP BLANK	11/24/2015 04:16	1	Q6834.D	ZB-624 (60) 0.25(mm)
480-91550-3	SUMP-W	11/24/2015 04:42	10	Q6835.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 05:08	20		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 06:25	20		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 06:51	20		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 07:43	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 08:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 08:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 09:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 09:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 09:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 10:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 10:44	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/24/2015 11:25	1		ZB-624 (60) 0.25(mm)
480-91550-3 MS	SUMP-W MS	11/24/2015 11:50	10	Q6851.D	ZB-624 (60) 0.25(mm)
480-91550-3 MSD	SUMP-W MSD	11/24/2015 12:16	10	Q6852.D	ZB-624 (60) 0.25(mm)

GC/MS VOA Worksheet

Batch Number: 480-276597
Method: 8260C
Analyst: Gentile, Joseph W

Date Open: Nov 24 2015 1:17AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00056	BFB_WRK_00049
BFB~480-276597/1		8260C			1 uL	1 uL	HP5973Q		1 uL
CCVIS~480-276597/2		8260C			5 mL	5 mL	HP5973Q	12.5 uL	
LCS~480-276597/4		8260C			5 mL	5 mL	HP5973Q	12.5 uL	
MB~480-276597/6		8260C			5 mL	5 mL	HP5973Q		
480-91550-A-1	MIP-RINSEBLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91550-A-2	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91550-A-3	SUMP-W	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90886-A-1	57207	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90886-A-4	57210	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90886-A-5	57211	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90948-A-1	22 TIFFT ROAD	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90948-A-2	31 TIFFT ROAD	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90948-A-3	15 PROVIDENCE PIKE	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90948-A-4	23 PROVIDENCE PIKE	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90948-E-5	OIW-3	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90954-F-1	GWA01	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90954-F-2	GWC2	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90954-F-3	MWC2B	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-90954-A-4	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91550-A-3~MS		8260C	T	<2 SU	5 mL	5 mL	HP5973Q	12.5 uL	
480-91550-A-3~MSD		8260C	T	<2 SU	5 mL	5 mL	HP5973Q	12.5 uL	

GC/MS VOA Worksheet

Batch Number: 480-276597
Method: 8260C
Analyst: Gentile, Joseph W

Date Open: Nov 24 2015 1:17AM
Batch End:

Lab ID	Client ID	Method Chain	Basis GAS CORP mix_00121	Q_8260_IS_00106	Q_8260_SURR_00099
BFB~480-276597/1		8260C			
CCVIS~480-276597/2		8260C	12.5 uL	1.25 uL	1.25 uL
LCS~480-276597/4		8260C	12.5 uL	1.25 uL	1.25 uL
MB~480-276597/6		8260C		1.25 uL	1.25 uL
480-91550-A-1	MIP-RINSEBLANK	8260C	T	1.25 uL	1.25 uL
480-91550-A-2	TRIP BLANK	8260C	T	1.25 uL	1.25 uL
480-91550-A-3	SUMP-W	8260C	T	1.25 uL	1.25 uL
480-90886-A-1	57207	8260C	T	1.25 uL	1.25 uL
480-90886-A-4	57210	8260C	T	1.25 uL	1.25 uL
480-90886-A-5	57211	8260C	T	1.25 uL	1.25 uL
480-90948-A-1	22 TIFFT ROAD	8260C	T	1.25 uL	1.25 uL
480-90948-A-2	31 TIFFT ROAD	8260C	T	1.25 uL	1.25 uL
480-90948-A-3	15 PROVIDENCE PIKE	8260C	T	1.25 uL	1.25 uL
480-90948-A-4	23 PROVIDENCE PIKE	8260C	T	1.25 uL	1.25 uL
480-90948-E-5	OIW-3	8260C	T	1.25 uL	1.25 uL
480-90954-F-1	GWA01	8260C	T	1.25 uL	1.25 uL
480-90954-F-2	GWC2	8260C	T	1.25 uL	1.25 uL
480-90954-F-3	MWC2B	8260C	T	1.25 uL	1.25 uL
480-90954-A-4	TRIP BLANK	8260C	T	1.25 uL	1.25 uL
480-91550-A-3~MS		8260C	T	12.5 uL	1.25 uL	1.25 uL
480-91550-A-3~MSD		8260C	T	12.5 uL	1.25 uL	1.25 uL

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Batch Number: 276589 Batch Start Date: 11/23/15 22:13 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00059	GAS CORP mix 00121
LCS 480-276589/1		5035, 8260C		25.98 g	30.99 g	5.01 g	5 mL	2.5 uL	2.5 uL
MB 480-276589/2		5035, 8260C		25.99 g	31.01 g	5.02 g	5 mL		
480-91550-A-7	SUMP-SED	5035, 8260C	T	25.93 g	30.82 g	4.89 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-276589/1		5035, 8260C							
MB 480-276589/2		5035, 8260C							
480-91550-A-7	SUMP-SED	5035, 8260C	T	BULK					

Batch Notes	
Balance ID	B202613314

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91550-2

SDG No.:

Project: Lockheed Martin Corp - Volatiles

Client Sample ID	Lab Sample ID
SUMP-SED	480-91550-7

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91550-2

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91550-2

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/23/2015 20:51 End Date: 11/23/2015 20:51

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			20:51																				
480-91550-7	1	T	20:51	X	X																		
ZZZZZZ			20:51																				
ZZZZZZ			20:51																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91550-2

SDG No.:

Batch Number: 276579 Batch Start Date: 11/23/15 20:51 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-91550-A-7	SUMP-SED	Moisture	T	4.20 g	14.01 g	7.13 g			

Batch Notes	
Balance ID	A15-04-01 No Unit
Batch Comment	PP-F-03-14
Date samples were placed in the oven	11/23/15
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	21:00
Date samples were removed from oven	11/24/15
Oven Temp when samples removed from oven	104 Degrees C
Time Samples were removed from oven	12:46
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	104 Celsius

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.9
Client Contact: Ms. Laura Best	Phone: (585)301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: ~~Page 9 of 9~~ LB 1 of 1
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): 2 (for PCBs) 10 (for VOCs)			
State, Zip: NY, 14614				
Phone: ~~(585) 413-5200~~ LB (585) 413-5301	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2 TCL VOCs LB	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
MIP-RINSEBLANK	11/19/15	1030	G	Water					X	3	
Trip Blank	11/19/15	1200	G	Water					X	2	
SUMP-W	11/19/15	~~1200~~ 1145 LB	G	W					X	3	
SS20-2	11/20/15	1020	G	soil			X			1	
SS20-3	11/20/15	1110	G	soil			X			1	
SS20-6	11/20/15	1045	G	soil			X			1	
SUMP-SED	11/20/15	0855	G	soil/sed.				X		1	
				RC							
				11-20-15							

480-91550 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat B, NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Laura Best	Date/Time: 11/20/15 1745	Company: Stantec	Received by:	Date/Time: 11-20-15, 17:45	Company: SyR
Relinquished by: RE-11/21/15	Date/Time: 11-20-15, 19:00	Company: SyR	Received by:	Date/Time: 11-21-15 0150	Company: FedEx
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.9

Page 270 of 271
483325 - Syracuse SC
12/03/2015

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-91550-2

Login Number: 91550

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-91710-1

Job Description: Lockheed Martin Corporation - Volatiles

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Ryan T VanDette
Project Manager II
12/7/2015 11:06 AM

Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
12/07/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 6

Sample Summary 12

Executive Summary 13

Method Summary 15

Method / Analyst Summary 16

Sample Datasheets 17

Surrogate Summary 42

QC Data Summary 44

Data Qualifiers 56

QC Association Summary 57

Lab Chronicle 59

Certification Summary 62

Organic Sample Data 63

GC/MS VOA 63

Method 8260C 63

Method 8260C QC Summary 64

Method 8260C Sample Data 92

Standards Data 197

Method 8260C ICAL Data 197

Method 8260C CCAL Data 341

Raw QC Data 377

Method 8260C Tune Data 377

Method 8260C Blank Data 401

Table of Contents

Method 8260C LCS/LCSD Data 426

Method 8260C MS/MSD Data 460

Method 8260C Run Logs 472

Method 8260C Prep Data 480

Inorganic Sample Data 484

General Chemistry Data 484

Gen Chem Cover Page 485

Gen Chem MDL 486

Gen Chem Analysis Run Log 488

Gen Chem Prep Data 489

Shipping and Receiving Documents 490

Client Chain of Custody 491

Sample Receipt Checklist 492

Job Narrative
480-91710-1

Comments
No additional comments.

Receipt
The samples were received on 11/25/2015 3:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-277087 recovered above the upper control limit for 2-Hexanone and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B24-AREA2-S1 (480-91710-4) and B24-AREA2-S2 (480-91710-5).

Method(s) 8260C: The method blank for preparation batch 480-277064 and analytical batch 480-277087 contained Acetone and Tetrachloroethene above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-analysis of samples was not performed. The following samples are impacted: B24-AREA2-S1 (480-91710-4) and B24-AREA2-S2 (480-91710-5).

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B24-AREA2-S1 (480-91710-4) and B24-AREA2-S2 (480-91710-5).

Method(s) 8260C: Internal standard (ISTD) response and surrogate (Surr) recovery for the following samples were outside control limits: B24-AREA2-S2 (480-91710-5). The sample was re-analyzed with concurring results, and the original set of data has been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-277216 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B23-AREA2-S2 (480-91710-3), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S3 (480-91710-8).

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-277216 . The following samples are impacted: B23-AREA2-S2 (480-91710-3), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S3 (480-91710-8).

Method(s) 8260C: The method blank for preparation batch 480-277152 and analytical batch 480-277216 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. B23-AREA2-S2 (480-91710-3), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S3 (480-91710-8)

Method(s) 8260C: The method blank (MB) associated with the following samples contained Methylene Chloride above the reporting limit:B23-AREA2-S2 (480-91710-3), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S3 (480-91710-8). Methylene Chloride is a known common lab contaminant. It can be concluded that any sample detections are a lab artifact of contamination.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B23-AREA2-S2 (480-91710-3), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S3 (480-91710-8).

Method(s) 8260C: The following sample was weighed at a reduced weight to bring the concentration of target analytes within the calibration range: B22-POLEBARN-S1 (480-91710-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-277340 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B24-AREA2-S1 (480-91710-4), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S2 (480-91710-7).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-277340 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone (MIBK) and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detects for these analytes, the data have been reported. The following samples are impacted: B24-AREA2-S1 (480-91710-4), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S2 (480-91710-7).

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-277359 and analytical batch 480-277340 exceeded control limits for the following analyte: 2-Butanone. Unlike the calibration standards, this is due to the coelution with Ethyl Acetate in the spiking solution. This does not indicate a performance issue with the spike recovery, but rather the laboratory's ability to measure the two analytes together in a combined spiking solution. Through the use of spectral analysis, the two compounds can be distinguished from one another if present in a client sample. The following samples are impacted: B24-AREA2-S1 (480-91710-4), B22-POLEBARN-S1 (480-91710-6) and B22-POLEBARN-S2 (480-91710-7).

Method(s) 8260C: The following samples were analyzed medium level and diluted to bring the concentration of target analytes within the calibration range: B24-AREA2-S1 (480-91710-4) and B22-POLEBARN-S2 (480-91710-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were analyzed medium level and diluted to bring the concentration of target analytes within the calibration range: B22-POLEBARN-S1 (480-91710-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Internal standard (ISTD) and surrogate (Surr) responses for the following samples was outside control limits: B23-AREA2-S2 (480-91710-3). The sample was re-analyzed with concurring results and the original set of data has been reported.

Method(s) 8260C: Internal standard (ISTD) and surrogate (Surr) responses for the following samples was outside control limits: B22-POLEBARN-S3 (480-91710-8). The sample was re-analyzed with concurring results and the reanalyzed set of data has been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-277493 recovered outside acceptance criteria, low biased, for 2-Hexanone, Vinyl chloride, Chloromethane, and Methyl ethyl ketone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: B23-AREA2-S1 (480-91710-2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-277493 recovered above the upper control limit for Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: B23-AREA2-S1 (480-91710-2).

Method(s) 8260C: The following samples was analyzed medium level and diluted to bring the concentration of target analytes within the calibration range: B23-AREA2-S1 (480-91710-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-277359 and analytical batch 480-277493 recovered outside control limits for the following analyte: 2-Butanone (MEK). This analyte was biased high in the LCS and was not detected in the associated sample; therefore, the data have been reported. The following sample is impacted: B23-AREA2-S1 (480-91710-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 275773

Lab Sample ID: IC 480-275773/4 Client Sample ID:

Date Analyzed: 11/19/15 03:55 Lab File ID: F2488.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.03	Missed Peak	HillL	11/19/15 11:30

Lab Sample ID: IC 480-275773/5 Client Sample ID:

Date Analyzed: 11/19/15 04:21 Lab File ID: F2489.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.06	Peak Tail	HillL	11/19/15 11:32

Lab Sample ID: IC 480-275773/7 Client Sample ID:

Date Analyzed: 11/19/15 05:13 Lab File ID: F2491.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.05	Peak Tail	HillL	11/19/15 11:35

Lab Sample ID: IC 480-275773/9 Client Sample ID:

Date Analyzed: 11/19/15 06:04 Lab File ID: F2493.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.02	Peak Tail	HillL	11/19/15 11:36

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 273985

Lab Sample ID: IC 480-273985/6 Client Sample ID:

Date Analyzed: 11/09/15 17:26 Lab File ID: N4027.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	1.99	Poor chromatography	HillL	11/10/15 10:44
Chloroethane	2.08	Poor chromatography	HillL	11/10/15 10:44
Acrolein	2.76	Poor chromatography	HillL	11/10/15 10:44
1,1,2-Trichloro-1,2,2-trifluoroethane	2.84	Poor chromatography	HillL	11/10/15 10:44
Tetrahydrofuran	4.81	Poor chromatography	HillL	11/10/15 10:44

Lab Sample ID: IC 480-273985/7 Client Sample ID:

Date Analyzed: 11/09/15 17:53 Lab File ID: N4028.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methyl-2-propanol	3.48	Poor chromatography	HillL	11/10/15 10:45
Chloroform	4.84	Split Peak	HillL	11/10/15 10:45
trans-1,4-Dichloro-2-butene	10.08	Split Peak	HillL	11/10/15 10:45

Lab Sample ID: IC 480-273985/8 Client Sample ID:

Date Analyzed: 11/09/15 18:19 Lab File ID: N4029.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methyl-2-propanol	3.48	Poor chromatography	HillL	11/10/15 10:47
Isobutyl alcohol	5.33	Peak Tail	HillL	11/10/15 10:47
1,4-Dioxane	6.33	Poor chromatography	HillL	11/10/15 10:47
Bromoform	9.54	Split Peak	HillL	11/10/15 10:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 273985

Lab Sample ID: IC 480-273985/9 Client Sample ID:

Date Analyzed: 11/09/15 18:46 Lab File ID: N4030.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.32	Peak Tail	HillL	11/10/15 10:49
1,4-Dioxane	6.32	Missed Peak	HillL	11/10/15 10:49

Lab Sample ID: IC 480-273985/10 Client Sample ID:

Date Analyzed: 11/09/15 19:13 Lab File ID: N4031.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methyl-2-propanol	3.49	Poor chromatography	HillL	11/10/15 10:50
1,4-Dioxane	6.32	Poor chromatography	HillL	11/10/15 10:50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 277340

Lab Sample ID: CCVIS 480-277340/3 Client Sample ID:

Date Analyzed: 11/30/15 10:25 Lab File ID: N5036.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone	7.86	Poor chromatography	goliszekg	11/30/15 13:29

Lab Sample ID: 480-91710-6 DL Client Sample ID: B22-POLEBARN-S1 DL

Date Analyzed: 11/30/15 16:38 Lab File ID: N5050.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
m-Xylene & p-Xylene	8.85	Poor chromatography	o''briens	11/30/15 18:21

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 277493

Lab Sample ID: 480-91710-2 MS Client Sample ID: B23-AREA2-S1 MS

Date Analyzed: 12/01/15 06:17 Lab File ID: N5080.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	4.57	Poor chromatography	goliszekg	12/01/15 11:30

Lab Sample ID: 480-91710-2 MSD Client Sample ID: B23-AREA2-S1 MSD

Date Analyzed: 12/01/15 06:44 Lab File ID: N5081.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	4.57	Poor chromatography	goliszekg	12/01/15 11:31

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5975T Analysis Batch Number: 269838

Lab Sample ID: IC 480-269838/6 Client Sample ID:

Date Analyzed: 10/20/15 15:37 Lab File ID: T0342.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrahydrofuran	3.73	Poor chromatography	goliszekg	10/21/15 08:39
1,4-Dioxane	4.97	Poor chromatography	goliszekg	10/21/15 08:39

Lab Sample ID: IC 480-269838/7 Client Sample ID:

Date Analyzed: 10/20/15 16:00 Lab File ID: T0343.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	1.38	Poor chromatography	goliszekg	10/21/15 08:41
1,4-Dioxane	4.95	Poor chromatography	goliszekg	10/21/15 08:41

Lab Sample ID: IC 480-269838/8 Client Sample ID:

Date Analyzed: 10/20/15 16:24 Lab File ID: T0344.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	4.95	Poor chromatography	goliszekg	10/21/15 08:41

Lab Sample ID: ICIS 480-269838/10 Client Sample ID:

Date Analyzed: 10/20/15 17:11 Lab File ID: T0346.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	4.94	Poor chromatography	goliszekg	10/21/15 08:44

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-91710-2	B23-AREA2-S1	Solid	11/23/2015 1215	11/25/2015 0310
480-91710-3	B23-AREA2-S2	Solid	11/23/2015 1240	11/25/2015 0310
480-91710-4	B24-AREA2-S1	Solid	11/23/2015 1505	11/25/2015 0310
480-91710-5	B24-AREA2-S2	Solid	11/23/2015 1530	11/25/2015 0310
480-91710-6	B22-POLEBARN-S1	Solid	11/24/2015 1320	11/25/2015 0310
480-91710-7	B22-POLEBARN-S2	Solid	11/24/2015 1340	11/25/2015 0310
480-91710-8	B22-POLEBARN-S3	Solid	11/24/2015 1500	11/25/2015 0310

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-91710-2	**B23-AREA2-S1**					
1,1-Dichloroethane		4400	F1	560	ug/Kg	8260C
cis-1,2-Dichloroethene		15000		560	ug/Kg	8260C
Tetrachloroethene		320	J	560	ug/Kg	8260C
Toluene		3200		560	ug/Kg	8260C
Trichloroethene		1700	F2 F1	560	ug/Kg	8260C
Percent Moisture		7.1		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-91710-3	**B23-AREA2-S2**					
Tetrachloroethene		1.4	J	5.3	ug/Kg	8260C
Percent Moisture		6.1		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-91710-4	**B24-AREA2-S1**					
1,1,2-Trichloro-1,2,2-trifluoroethane		1.8	J	5.1	ug/Kg	8260C
1,1-Dichloroethane		140		5.1	ug/Kg	8260C
1,1-Dichloroethene		1.0	J	5.1	ug/Kg	8260C
Acetone		4.7	J B	25	ug/Kg	8260C
cis-1,2-Dichloroethene		920	E	5.1	ug/Kg	8260C
cis-1,2-Dichloroethene		1500		1100	ug/Kg	8260C
Ethylbenzene		2.5	J	5.1	ug/Kg	8260C
Ethylbenzene		350	J	1100	ug/Kg	8260C
Methylene Chloride		2.8	J	5.1	ug/Kg	8260C
Tetrachloroethene		500	E B	5.1	ug/Kg	8260C
Tetrachloroethene		26000		1100	ug/Kg	8260C
Toluene		11		5.1	ug/Kg	8260C
trans-1,2-Dichloroethene		3.2	J	5.1	ug/Kg	8260C
Trichloroethene		1000	E	5.1	ug/Kg	8260C
Trichloroethene		11000		1100	ug/Kg	8260C
Xylenes, Total		3.1	J	10	ug/Kg	8260C
Percent Moisture		8.1		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-91710-5	**B24-AREA2-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		1.6	J	6.5	ug/Kg	8260C
Acetone		16	J B	33	ug/Kg	8260C
cis-1,2-Dichloroethene		2.9	J	6.5	ug/Kg	8260C
Tetrachloroethene		2.3	J B	6.5	ug/Kg	8260C
Percent Moisture		24		0.10	%	Moisture
Percent Solids		76		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-91710-6	**B22-POLEBARN-S1**					
1,1,1-Trichloroethane		21	J	54	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane		410		54	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane		5900		1100	ug/Kg	8260C
1,2-Dichlorobenzene		190		54	ug/Kg	8260C
1,2-Dichlorobenzene		1000	J	1100	ug/Kg	8260C
1,4-Dichlorobenzene		9.8	J	54	ug/Kg	8260C
Chlorobenzene		10	J	54	ug/Kg	8260C
cis-1,2-Dichloroethene		240		54	ug/Kg	8260C
Ethylbenzene		80		54	ug/Kg	8260C
Tetrachloroethene		15000	E	54	ug/Kg	8260C
Tetrachloroethene		60000		1100	ug/Kg	8260C
Toluene		71		54	ug/Kg	8260C
Trichloroethene		2500	E	54	ug/Kg	8260C
Trichloroethene		4700		1100	ug/Kg	8260C
Xylenes, Total		300		110	ug/Kg	8260C
Xylenes, Total		1100	J	2300	ug/Kg	8260C
Percent Moisture		8.2		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-91710-7	**B22-POLEBARN-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		14000		1100	ug/Kg	8260C
1,2-Dichlorobenzene		400	J	1100	ug/Kg	8260C
Ethylbenzene		360	J	1100	ug/Kg	8260C
Tetrachloroethene		45000		1100	ug/Kg	8260C
Trichloroethene		19000		1100	ug/Kg	8260C
Xylenes, Total		1200	J	2300	ug/Kg	8260C
Percent Moisture		7.9		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-91710-8	**B22-POLEBARN-S3**					
1,1,1-Trichloroethane		0.80	J	6.2	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane		90		6.2	ug/Kg	8260C
1,1-Dichloroethane		18		6.2	ug/Kg	8260C
Acetone		84	B	31	ug/Kg	8260C
cis-1,2-Dichloroethene		17		6.2	ug/Kg	8260C
Methylene Chloride		61	B	6.2	ug/Kg	8260C
Tetrachloroethene		74		6.2	ug/Kg	8260C
Toluene		1.5	J	6.2	ug/Kg	8260C
Trichloroethene		170		6.2	ug/Kg	8260C
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge & Trap	TAL BUF		SW846 5035A
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035A
Percent Moisture	TAL BUF	EPA Moisture	

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Method	Analyst	Analyst ID
SW846 8260C	Dias, Nicole M	NMD1
SW846 8260C	Goliszek, Gregory T	GTG
EPA Moisture	Dias, Nicole M	NMD1

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B23-AREA2-S1**

Lab Sample ID: 480-91710-2 | Date Sampled: 11/23/2015 1215
Client Matrix: Solid | % Moisture: 7.1 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277493	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5074.D
Dilution:	5.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/01/2015 0336			Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND	F1	150	560
1,1,2,2-Tetrachloroethane		ND	F1	90	560
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		280	560
1,1,2-Trichloroethane		ND		120	560
1,1-Dichloroethane		4400	F1	170	560
1,1-Dichloroethene		ND		190	560
1,2,4-Trichlorobenzene		ND		210	560
1,2-Dibromo-3-Chloropropane		ND		280	560
1,2-Dichlorobenzene		ND		140	560
1,2-Dichloroethane		ND		230	560
1,2-Dichloropropane		ND		90	560
1,3-Dichlorobenzene		ND		150	560
1,4-Dichlorobenzene		ND		78	560
2-Butanone (MEK)		ND	*	1700	2800
2-Hexanone		ND	F1	1100	2800
4-Methyl-2-pentanone (MIBK)		ND	F1	180	2800
Acetone		ND		2300	2800
Benzene		ND		110	560
Bromoform		ND		280	560
Bromomethane		ND		120	560
Carbon disulfide		ND		250	560
Carbon tetrachloride		ND		140	560
Chlorobenzene		ND		73	560
Dibromochloromethane		ND		270	560
Chloroethane		ND		120	560
Chloroform		ND		380	560
Chloromethane		ND		130	560
cis-1,2-Dichloroethene		15000		150	560
Cyclohexane		ND		120	560
Bromodichloromethane		ND		110	560
Dichlorodifluoromethane		ND		240	560
Ethylbenzene		ND		160	560
1,2-Dibromoethane		ND		97	560
Isopropylbenzene		ND		83	560
Methyl acetate		ND		260	560
Methyl tert-butyl ether		ND		210	560
Methylcyclohexane		ND		260	560
Methylene Chloride		ND		110	560
Tetrachloroethene		320	J	75	560
Toluene		3200		150	560
trans-1,2-Dichloroethene		ND		130	560
trans-1,3-Dichloropropene		ND		55	560
Trichloroethene		1700	F2 F1	150	560
Trichlorofluoromethane		ND	F2	260	560
Vinyl chloride		ND		190	560
Xylenes, Total		ND		310	1100

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B23-AREA2-S1**

Lab Sample ID: 480-91710-2 | Date Sampled: 11/23/2015 1215
Client Matrix: Solid | % Moisture: 7.1 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277493	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5074.D
Dilution:	5.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/01/2015 0336			Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		130	560
Styrene		ND	F1	130	560

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		53 - 146
4-Bromofluorobenzene (Surr)	93		49 - 148
Toluene-d8 (Surr)	85		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B23-AREA2-S2**

Lab Sample ID: 480-91710-3 | Date Sampled: 11/23/2015 1240
Client Matrix: Solid | % Moisture: 6.1 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277152	Lab File ID:	F2868.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	11/28/2015 0204			Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.3
1,1,2,2-Tetrachloroethane		ND	*	0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		ND		0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND	*	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	*	2.7	5.3
1,2-Dichlorobenzene		ND	*	0.41	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.7	5.3
1,3-Dichlorobenzene		ND	*	0.27	5.3
1,4-Dichlorobenzene		ND	*	0.74	5.3
2-Butanone (MEK)		ND	*	1.9	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.7	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.3
Bromoform		ND		2.7	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.7	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Dibromochloromethane		ND		0.68	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		ND		0.68	5.3
Cyclohexane		ND		0.74	5.3
Bromodichloromethane		ND		0.71	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.37	5.3
1,2-Dibromoethane		ND		0.68	5.3
Isopropylbenzene		ND	*	0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.4	5.3
Tetrachloroethene		1.4	J	0.71	5.3
Toluene		ND		0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		ND		1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		ND		0.89	11

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B23-AREA2-S2**

Lab Sample ID: 480-91710-3 | Date Sampled: 11/23/2015 1240
Client Matrix: Solid | % Moisture: 6.1 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277152	Lab File ID:	F2868.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	11/28/2015 0204			Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		0.76	5.3
Styrene		ND		0.27	5.3

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83		64 - 126
4-Bromofluorobenzene (Surr)	48	X	72 - 126
Toluene-d8 (Surr)	85		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B24-AREA2-S1**

Lab Sample ID: 480-91710-4 | Date Sampled: 11/23/2015 1505
Client Matrix: Solid | % Moisture: 8.1 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277087	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277064	Lab File ID:	F2842.D
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Analysis Date:	11/27/2015 1419			Final Weight/Volume:	5 mL
Prep Date:	11/26/2015 0038				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.37	5.1
1,1,2,2-Tetrachloroethane		ND		0.82	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane		1.8	J	1.2	5.1
1,1,2-Trichloroethane		ND		0.66	5.1
1,1-Dichloroethane		140		0.62	5.1
1,1-Dichloroethene		1.0	J	0.62	5.1
1,2,4-Trichlorobenzene		ND		0.31	5.1
1,2-Dibromo-3-Chloropropane		ND		2.5	5.1
1,2-Dichlorobenzene		ND		0.40	5.1
1,2-Dichloroethane		ND		0.25	5.1
1,2-Dichloropropane		ND		2.5	5.1
1,3-Dichlorobenzene		ND		0.26	5.1
1,4-Dichlorobenzene		ND		0.71	5.1
2-Butanone (MEK)		ND		1.9	25
2-Hexanone		ND		2.5	25
4-Methyl-2-pentanone (MIBK)		ND		1.7	25
Acetone		4.7	J B	4.3	25
Benzene		ND		0.25	5.1
Bromoform		ND		2.5	5.1
Bromomethane		ND		0.46	5.1
Carbon disulfide		ND		2.5	5.1
Carbon tetrachloride		ND		0.49	5.1
Chlorobenzene		ND		0.67	5.1
Dibromochloromethane		ND		0.65	5.1
Chloroethane		ND		1.1	5.1
Chloroform		ND		0.31	5.1
Chloromethane		ND		0.31	5.1
cis-1,2-Dichloroethene		920	E	0.65	5.1
Cyclohexane		ND		0.71	5.1
Bromodichloromethane		ND		0.68	5.1
Dichlorodifluoromethane		ND		0.42	5.1
Ethylbenzene		2.5	J	0.35	5.1
1,2-Dibromoethane		ND		0.65	5.1
Isopropylbenzene		ND		0.77	5.1
Methyl acetate		ND		3.1	5.1
Methyl tert-butyl ether		ND		0.50	5.1
Methylcyclohexane		ND		0.77	5.1
Methylene Chloride		2.8	J	2.3	5.1
Tetrachloroethene		500	E B	0.68	5.1
Toluene		11		0.38	5.1
trans-1,2-Dichloroethene		3.2	J	0.52	5.1
trans-1,3-Dichloropropene		ND		2.2	5.1
Trichloroethene		1000	E	1.1	5.1
Trichlorofluoromethane		ND		0.48	5.1
Vinyl chloride		ND		0.62	5.1
Xylenes, Total		3.1	J	0.85	10

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Client Sample ID: B24-AREA2-S1

Lab Sample ID: 480-91710-4 Date Sampled: 11/23/2015 1505
Client Matrix: Solid % Moisture: 8.1 Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277087	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277064	Lab File ID:	F2842.D
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Analysis Date:	11/27/2015 1419			Final Weight/Volume:	5 mL
Prep Date:	11/26/2015 0038				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		0.73	5.1
Styrene		ND		0.25	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		64 - 126
4-Bromofluorobenzene (Surr)	79		72 - 126
Toluene-d8 (Surr)	87		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B24-AREA2-S1**

Lab Sample ID: 480-91710-4 | Date Sampled: 11/23/2015 1505
Client Matrix: Solid | % Moisture: 8.1 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277340	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5049.D
Dilution:	10			Initial Weight/Volume:	5.05 g
Analysis Date:	11/30/2015 1612	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		310	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		560	1100
1,1,2-Trichloroethane		ND		240	1100
1,1-Dichloroethane		ND		350	1100
1,1-Dichloroethene		ND		390	1100
1,2,4-Trichlorobenzene		ND		430	1100
1,2-Dibromo-3-Chloropropane		ND		560	1100
1,2-Dichlorobenzene		ND		290	1100
1,2-Dichloroethane		ND		460	1100
1,2-Dichloropropane		ND		180	1100
1,3-Dichlorobenzene		ND		300	1100
1,4-Dichlorobenzene		ND		160	1100
2-Butanone (MEK)		ND	*	3300	5600
2-Hexanone		ND		2300	5600
4-Methyl-2-pentanone (MIBK)		ND		360	5600
Acetone		ND		4600	5600
Benzene		ND		210	1100
Bromoform		ND		560	1100
Bromomethane		ND		250	1100
Carbon disulfide		ND		510	1100
Carbon tetrachloride		ND		290	1100
Chlorobenzene		ND		150	1100
Dibromochloromethane		ND		540	1100
Chloroethane		ND		230	1100
Chloroform		ND		770	1100
Chloromethane		ND		270	1100
cis-1,2-Dichloroethene		1500		310	1100
Cyclohexane		ND		250	1100
Bromodichloromethane		ND		220	1100
Dichlorodifluoromethane		ND		490	1100
Ethylbenzene		350	J	330	1100
1,2-Dibromoethane		ND		200	1100
Isopropylbenzene		ND		170	1100
Methyl acetate		ND		530	1100
Methyl tert-butyl ether		ND		420	1100
Methylcyclohexane		ND		530	1100
Methylene Chloride		ND		220	1100
Tetrachloroethene		26000		150	1100
Toluene		ND		300	1100
trans-1,2-Dichloroethene		ND		260	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		11000		310	1100
Trichlorofluoromethane		ND		530	1100
Vinyl chloride		ND		380	1100
Xylenes, Total		ND		620	2200

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B24-AREA2-S1**

Lab Sample ID: 480-91710-4 | Date Sampled: 11/23/2015 1505
Client Matrix: Solid | % Moisture: 8.1 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277340	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5049.D
Dilution:	10			Initial Weight/Volume:	5.05 g
Analysis Date:	11/30/2015 1612	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		270	1100
Styrene		ND		270	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		53 - 146
4-Bromofluorobenzene (Surr)	99		49 - 148
Toluene-d8 (Surr)	90		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B24-AREA2-S2**

Lab Sample ID: 480-91710-5 | Date Sampled: 11/23/2015 1530
Client Matrix: Solid | % Moisture: 23.8 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277087	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277064	Lab File ID:	F2843.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	11/27/2015 1445			Final Weight/Volume:	5 mL
Prep Date:	11/26/2015 0038				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.48	6.5
1,1,2,2-Tetrachloroethane		ND	*	1.1	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane		1.6	J	1.5	6.5
1,1,2-Trichloroethane		ND		0.85	6.5
1,1-Dichloroethane		ND		0.80	6.5
1,1-Dichloroethene		ND		0.80	6.5
1,2,4-Trichlorobenzene		ND	*	0.40	6.5
1,2-Dibromo-3-Chloropropane		ND	*	3.3	6.5
1,2-Dichlorobenzene		ND	*	0.51	6.5
1,2-Dichloroethane		ND		0.33	6.5
1,2-Dichloropropane		ND		3.3	6.5
1,3-Dichlorobenzene		ND	*	0.34	6.5
1,4-Dichlorobenzene		ND	*	0.92	6.5
2-Butanone (MEK)		ND		2.4	33
2-Hexanone		ND		3.3	33
4-Methyl-2-pentanone (MIBK)		ND		2.1	33
Acetone		16	J B	5.5	33
Benzene		ND		0.32	6.5
Bromoform		ND		3.3	6.5
Bromomethane		ND		0.59	6.5
Carbon disulfide		ND		3.3	6.5
Carbon tetrachloride		ND		0.63	6.5
Chlorobenzene		ND		0.86	6.5
Dibromochloromethane		ND		0.84	6.5
Chloroethane		ND		1.5	6.5
Chloroform		ND		0.40	6.5
Chloromethane		ND		0.40	6.5
cis-1,2-Dichloroethene		2.9	J	0.84	6.5
Cyclohexane		ND		0.92	6.5
Bromodichloromethane		ND		0.88	6.5
Dichlorodifluoromethane		ND		0.54	6.5
Ethylbenzene		ND		0.45	6.5
1,2-Dibromoethane		ND		0.84	6.5
Isopropylbenzene		ND	*	0.99	6.5
Methyl acetate		ND		4.0	6.5
Methyl tert-butyl ether		ND		0.64	6.5
Methylcyclohexane		ND		1.0	6.5
Methylene Chloride		ND		3.0	6.5
Tetrachloroethene		2.3	J B	0.88	6.5
Toluene		ND		0.49	6.5
trans-1,2-Dichloroethene		ND		0.68	6.5
trans-1,3-Dichloropropene		ND		2.9	6.5
Trichloroethene		ND		1.4	6.5
Trichlorofluoromethane		ND		0.62	6.5
Vinyl chloride		ND		0.80	6.5
Xylenes, Total		ND		1.1	13

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Client Sample ID: B24-AREA2-S2

Lab Sample ID: 480-91710-5 Date Sampled: 11/23/2015 1530
Client Matrix: Solid % Moisture: 23.8 Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277087	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277064	Lab File ID:	F2843.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	11/27/2015 1445			Final Weight/Volume:	5 mL
Prep Date:	11/26/2015 0038				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		0.94	6.5
Styrene		ND		0.33	6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		64 - 126
4-Bromofluorobenzene (Surr)	34	X	72 - 126
Toluene-d8 (Surr)	91		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B22-POLEBARN-S1**

Lab Sample ID: 480-91710-6 | Date Sampled: 11/24/2015 1320
Client Matrix: Solid | % Moisture: 8.2 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277152	Lab File ID:	F2871.D
Dilution:	1.0			Initial Weight/Volume:	0.5 g
Analysis Date:	11/28/2015 0322			Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		21	J	4.0	54
1,1,2,2-Tetrachloroethane		ND		8.8	54
1,1,2-Trichloro-1,2,2-trifluoroethane		410		12	54
1,1,2-Trichloroethane		ND		7.1	54
1,1-Dichloroethane		ND		6.6	54
1,1-Dichloroethene		ND		6.7	54
1,2,4-Trichlorobenzene		ND		3.3	54
1,2-Dibromo-3-Chloropropane		ND		27	54
1,2-Dichlorobenzene		190		4.3	54
1,2-Dichloroethane		ND		2.7	54
1,2-Dichloropropane		ND		27	54
1,3-Dichlorobenzene		ND		2.8	54
1,4-Dichlorobenzene		9.8	J	7.6	54
2-Butanone (MEK)		ND	*	20	270
2-Hexanone		ND		27	270
4-Methyl-2-pentanone (MIBK)		ND		18	270
Acetone		ND		46	270
Benzene		ND		2.7	54
Bromoform		ND		27	54
Bromomethane		ND		4.9	54
Carbon disulfide		ND		27	54
Carbon tetrachloride		ND		5.3	54
Chlorobenzene		10	J	7.2	54
Dibromochloromethane		ND		7.0	54
Chloroethane		ND		12	54
Chloroform		ND		3.4	54
Chloromethane		ND		3.3	54
cis-1,2-Dichloroethene		240		7.0	54
Cyclohexane		ND		7.6	54
Bromodichloromethane		ND		7.3	54
Dichlorodifluoromethane		ND		4.5	54
Ethylbenzene		80		3.8	54
1,2-Dibromoethane		ND		7.0	54
Isopropylbenzene		ND		8.2	54
Methyl acetate		ND		33	54
Methyl tert-butyl ether		ND		5.3	54
Methylcyclohexane		ND		8.3	54
Methylene Chloride		ND		25	54
Tetrachloroethene		15000	E	7.3	54
Toluene		71		4.1	54
trans-1,2-Dichloroethene		ND		5.6	54
trans-1,3-Dichloropropene		ND		24	54
Trichloroethene		2500	E	12	54
Trichlorofluoromethane		ND		5.2	54
Vinyl chloride		ND		6.6	54
Xylenes, Total		300		9.1	110

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Client Sample ID: B22-POLEBARN-S1

Lab Sample ID: 480-91710-6 Date Sampled: 11/24/2015 1320
Client Matrix: Solid % Moisture: 8.2 Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277152	Lab File ID:	F2871.D
Dilution:	1.0			Initial Weight/Volume:	0.5 g
Analysis Date:	11/28/2015 0322			Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		7.8	54
Styrene		ND		2.7	54

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		64 - 126
4-Bromofluorobenzene (Surr)	72		72 - 126
Toluene-d8 (Surr)	83		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B22-POLEBARN-S1**

Lab Sample ID: 480-91710-6 | Date Sampled: 11/24/2015 1320
Client Matrix: Solid | % Moisture: 8.2 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277340	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5050.D
Dilution:	10			Initial Weight/Volume:	5.01 g
Analysis Date:	11/30/2015 1638	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		310	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		5900		570	1100
1,1,2-Trichloroethane		ND		240	1100
1,1-Dichloroethane		ND		350	1100
1,1-Dichloroethene		ND		390	1100
1,2,4-Trichlorobenzene		ND		430	1100
1,2-Dibromo-3-Chloropropane		ND		570	1100
1,2-Dichlorobenzene		1000	J	290	1100
1,2-Dichloroethane		ND		460	1100
1,2-Dichloropropane		ND		180	1100
1,3-Dichlorobenzene		ND		300	1100
1,4-Dichlorobenzene		ND		160	1100
2-Butanone (MEK)		ND	*	3400	5700
2-Hexanone		ND		2300	5700
4-Methyl-2-pentanone (MIBK)		ND		360	5700
Acetone		ND		4600	5700
Benzene		ND		210	1100
Bromoform		ND		570	1100
Bromomethane		ND		250	1100
Carbon disulfide		ND		510	1100
Carbon tetrachloride		ND		290	1100
Chlorobenzene		ND		150	1100
Dibromochloromethane		ND		550	1100
Chloroethane		ND		240	1100
Chloroform		ND		780	1100
Chloromethane		ND		270	1100
cis-1,2-Dichloroethene		ND		310	1100
Cyclohexane		ND		250	1100
Bromodichloromethane		ND		230	1100
Dichlorodifluoromethane		ND		490	1100
Ethylbenzene		ND		330	1100
1,2-Dibromoethane		ND		200	1100
Isopropylbenzene		ND		170	1100
Methyl acetate		ND		540	1100
Methyl tert-butyl ether		ND		430	1100
Methylcyclohexane		ND		530	1100
Methylene Chloride		ND		220	1100
Tetrachloroethene		60000		150	1100
Toluene		ND		300	1100
trans-1,2-Dichloroethene		ND		270	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		4700		310	1100
Trichlorofluoromethane		ND		530	1100
Vinyl chloride		ND		380	1100
Xylenes, Total		1100	J	630	2300

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B22-POLEBARN-S1**

Lab Sample ID: 480-91710-6 | Date Sampled: 11/24/2015 1320
Client Matrix: Solid | % Moisture: 8.2 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277340	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5050.D
Dilution:	10			Initial Weight/Volume:	5.01 g
Analysis Date:	11/30/2015 1638	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		270	1100
Styrene		ND		270	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		53 - 146
4-Bromofluorobenzene (Surr)	97		49 - 148
Toluene-d8 (Surr)	88		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B22-POLEBARN-S2**

Lab Sample ID: 480-91710-7 | Date Sampled: 11/24/2015 1340
Client Matrix: Solid | % Moisture: 7.9 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277340	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5051.D
Dilution:	10			Initial Weight/Volume:	4.99 g
Analysis Date:	11/30/2015 1705			Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		310	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		14000		570	1100
1,1,2-Trichloroethane		ND		240	1100
1,1-Dichloroethane		ND		350	1100
1,1-Dichloroethene		ND		390	1100
1,2,4-Trichlorobenzene		ND		430	1100
1,2-Dibromo-3-Chloropropane		ND		570	1100
1,2-Dichlorobenzene		400	J	290	1100
1,2-Dichloroethane		ND		460	1100
1,2-Dichloropropane		ND		180	1100
1,3-Dichlorobenzene		ND		300	1100
1,4-Dichlorobenzene		ND		160	1100
2-Butanone (MEK)		ND	*	3400	5700
2-Hexanone		ND		2300	5700
4-Methyl-2-pentanone (MIBK)		ND		360	5700
Acetone		ND		4700	5700
Benzene		ND		220	1100
Bromoform		ND		570	1100
Bromomethane		ND		250	1100
Carbon disulfide		ND		510	1100
Carbon tetrachloride		ND		290	1100
Chlorobenzene		ND		150	1100
Dibromochloromethane		ND		550	1100
Chloroethane		ND		240	1100
Chloroform		ND		780	1100
Chloromethane		ND		270	1100
cis-1,2-Dichloroethene		ND		310	1100
Cyclohexane		ND		250	1100
Bromodichloromethane		ND		230	1100
Dichlorodifluoromethane		ND		490	1100
Ethylbenzene		360	J	330	1100
1,2-Dibromoethane		ND		200	1100
Isopropylbenzene		ND		170	1100
Methyl acetate		ND		540	1100
Methyl tert-butyl ether		ND		430	1100
Methylcyclohexane		ND		530	1100
Methylene Chloride		ND		220	1100
Tetrachloroethene		45000		150	1100
Toluene		ND		300	1100
trans-1,2-Dichloroethene		ND		270	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		19000		310	1100
Trichlorofluoromethane		ND		530	1100
Vinyl chloride		ND		380	1100
Xylenes, Total		1200	J	630	2300

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Client Sample ID: B22-POLEBARN-S2

Lab Sample ID: 480-91710-7 Date Sampled: 11/24/2015 1340
Client Matrix: Solid % Moisture: 7.9 Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277340	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-277359	Lab File ID:	N5051.D
Dilution:	10			Initial Weight/Volume:	4.99 g
Analysis Date:	11/30/2015 1705			Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		270	1100
Styrene		ND		270	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		53 - 146
4-Bromofluorobenzene (Surr)	97		49 - 148
Toluene-d8 (Surr)	90		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B22-POLEBARN-S3**

Lab Sample ID: 480-91710-8 | Date Sampled: 11/24/2015 1500
Client Matrix: Solid | % Moisture: 19.3 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277152	Lab File ID:	F2872.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	11/28/2015 0348			Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.80	J	0.45	6.2
1,1,2,2-Tetrachloroethane		ND	*	1.0	6.2
1,1,2-Trichloro-1,2,2-trifluoroethane		90		1.4	6.2
1,1,2-Trichloroethane		ND		0.80	6.2
1,1-Dichloroethane		18		0.75	6.2
1,1-Dichloroethene		ND		0.75	6.2
1,2,4-Trichlorobenzene		ND	*	0.37	6.2
1,2-Dibromo-3-Chloropropane		ND	*	3.1	6.2
1,2-Dichlorobenzene		ND	*	0.48	6.2
1,2-Dichloroethane		ND		0.31	6.2
1,2-Dichloropropane		ND		3.1	6.2
1,3-Dichlorobenzene		ND	*	0.32	6.2
1,4-Dichlorobenzene		ND	*	0.86	6.2
2-Butanone (MEK)		ND	*	2.3	31
2-Hexanone		ND		3.1	31
4-Methyl-2-pentanone (MIBK)		ND		2.0	31
Acetone		84	B	5.2	31
Benzene		ND		0.30	6.2
Bromoform		ND		3.1	6.2
Bromomethane		ND		0.55	6.2
Carbon disulfide		ND		3.1	6.2
Carbon tetrachloride		ND		0.60	6.2
Chlorobenzene		ND		0.81	6.2
Dibromochloromethane		ND		0.79	6.2
Chloroethane		ND		1.4	6.2
Chloroform		ND		0.38	6.2
Chloromethane		ND		0.37	6.2
cis-1,2-Dichloroethene		17		0.79	6.2
Cyclohexane		ND		0.86	6.2
Bromodichloromethane		ND		0.83	6.2
Dichlorodifluoromethane		ND		0.51	6.2
Ethylbenzene		ND		0.42	6.2
1,2-Dibromoethane		ND		0.79	6.2
Isopropylbenzene		ND	*	0.93	6.2
Methyl acetate		ND		3.7	6.2
Methyl tert-butyl ether		ND		0.60	6.2
Methylcyclohexane		ND		0.94	6.2
Methylene Chloride		61	B	2.8	6.2
Tetrachloroethene		74		0.83	6.2
Toluene		1.5	J	0.47	6.2
trans-1,2-Dichloroethene		ND		0.64	6.2
trans-1,3-Dichloropropene		ND		2.7	6.2
Trichloroethene		170		1.4	6.2
Trichlorofluoromethane		ND		0.58	6.2
Vinyl chloride		ND		0.75	6.2
Xylenes, Total		ND		1.0	12

Client: Stantec Consulting Services Inc | Job Number: 480-91710-1

Client Sample ID: **B22-POLEBARN-S3**

Lab Sample ID: 480-91710-8 | Date Sampled: 11/24/2015 1500
Client Matrix: Solid | % Moisture: 19.3 | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Prep Method:	5035A	Prep Batch:	480-277152	Lab File ID:	F2872.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	11/28/2015 0348			Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
cis-1,3-Dichloropropene		ND		0.89	6.2
Styrene		ND		0.31	6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		64 - 126
4-Bromofluorobenzene (Surr)	59	X	72 - 126
Toluene-d8 (Surr)	88		71 - 125

General Chemistry

Client Sample ID: **B23-AREA2-S1**

Lab Sample ID: 480-91710-2 Date Sampled: 11/23/2015 1215
Client Matrix: Solid Date Received: 11/25/2015 0310

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N

General Chemistry

Client Sample ID: **B23-AREA2-S2**

Lab Sample ID: 480-91710-3 Date Sampled: 11/23/2015 1240
Client Matrix: Solid Date Received: 11/25/2015 0310

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N

General Chemistry

Client Sample ID: **B24-AREA2-S1**

Lab Sample ID: 480-91710-4 Date Sampled: 11/23/2015 1505
Client Matrix: Solid Date Received: 11/25/2015 0310

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N

General Chemistry

Client Sample ID: **B24-AREA2-S2**

Lab Sample ID: 480-91710-5 Date Sampled: 11/23/2015 1530
Client Matrix: Solid Date Received: 11/25/2015 0310

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N

General Chemistry

Client Sample ID: **B22-POLEBARN-S1**

Lab Sample ID: 480-91710-6 Date Sampled: 11/24/2015 1320
Client Matrix: Solid Date Received: 11/25/2015 0310

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N

General Chemistry

Client Sample ID: **B22-POLEBARN-S2**

Lab Sample ID: 480-91710-7 Date Sampled: 11/24/2015 1340
Client Matrix: Solid Date Received: 11/25/2015 0310

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N

General Chemistry

Client Sample ID: **B22-POLEBARN-S3**

Lab Sample ID: 480-91710-8 Date Sampled: 11/24/2015 1500
Client Matrix: Solid Date Received: 11/25/2015 0310

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-277067	Analysis Date: 11/26/2015 0251						DryWt Corrected: N

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-91710-3	B23-AREA2-S2	83	85	48X
480-91710-4	B24-AREA2-S1	92	87	79
480-91710-5	B24-AREA2-S2	77	91	34X
480-91710-6	B22-POLEBARN-S1	87	83	72
480-91710-8	B22-POLEBARN-S3	82	88	59X
MB 480-277064/2-A		90	88	85
MB 480-277152/3-A		86	86	82
LCS 480-277064/1-A		89	87	87
LCS 480-277152/1-A		95	84	85
LCSD 480-277152/2-A		98	86	86

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-91710-2	B23-AREA2-S1	109	85	93
480-91710-4 DL	B24-AREA2-S1 DL	96	90	99
480-91710-6 DL	B22-POLEBARN-S1 DL	101	88	97
480-91710-7	B22-POLEBARN-S2	102	90	97
MB 480-277359/11-A		102	97	94
LCS 480-277359/9-A		99	96	95
LCSD 480-277359/10-A		105	99	97
480-91710-2 MS	B23-AREA2-S1 MS	103	90	103
480-91710-2 MSD	B23-AREA2-S1 MSD	109	88	104

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Method Blank - Batch: 480-277064

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-277064/2-A	Analysis Batch:	480-277087	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-277064	Lab File ID:	F2831.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	11/27/2015 0924	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/26/2015 0038				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	4.9
1,1,2,2-Tetrachloroethane	ND		0.80	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.9
1,1,2-Trichloroethane	ND		0.64	4.9
1,1-Dichloroethane	ND		0.60	4.9
1,1-Dichloroethene	ND		0.60	4.9
1,2,4-Trichlorobenzene	ND		0.30	4.9
1,2-Dibromo-3-Chloropropane	ND		2.5	4.9
1,2-Dichlorobenzene	ND		0.38	4.9
1,2-Dichloroethane	ND		0.25	4.9
1,2-Dichloropropane	ND		2.5	4.9
1,3-Dichlorobenzene	ND		0.25	4.9
1,4-Dichlorobenzene	ND		0.69	4.9
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	23.0	J	4.1	25
Benzene	ND		0.24	4.9
Bromoform	ND		2.5	4.9
Bromomethane	ND		0.44	4.9
Carbon disulfide	ND		2.5	4.9
Carbon tetrachloride	ND		0.47	4.9
Chlorobenzene	ND		0.65	4.9
Dibromochloromethane	ND		0.63	4.9
Chloroethane	ND		1.1	4.9
Chloroform	ND		0.30	4.9
Chloromethane	ND		0.30	4.9
cis-1,2-Dichloroethene	ND		0.63	4.9
Cyclohexane	ND		0.69	4.9
Bromodichloromethane	ND		0.66	4.9
Dichlorodifluoromethane	ND		0.40	4.9
Ethylbenzene	ND		0.34	4.9
1,2-Dibromoethane	ND		0.63	4.9
Isopropylbenzene	ND		0.74	4.9
Methyl acetate	ND		3.0	4.9
Methyl tert-butyl ether	ND		0.48	4.9
Methylcyclohexane	ND		0.75	4.9
Methylene Chloride	ND		2.3	4.9
Tetrachloroethene	0.880	J	0.66	4.9
Toluene	ND		0.37	4.9
trans-1,2-Dichloroethene	ND		0.51	4.9
trans-1,3-Dichloropropene	ND		2.2	4.9
Trichloroethene	ND		1.1	4.9
Trichlorofluoromethane	ND		0.46	4.9
Vinyl chloride	ND		0.60	4.9

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Method Blank - Batch: 480-277064

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-277064/2-A	Analysis Batch:	480-277087	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-277064	Lab File ID:	F2831.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	11/27/2015 0924	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/26/2015 0038				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.82	9.8
cis-1,3-Dichloropropene	ND		0.71	4.9
Styrene	ND		0.25	4.9

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	64 - 126
4-Bromofluorobenzene (Surr)	85	72 - 126
Toluene-d8 (Surr)	88	71 - 125

Lab Control Sample - Batch: 480-277064

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-277064/1-A	Analysis Batch:	480-277087	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-277064	Lab File ID:	F2829.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.19 g
Analysis Date:	11/27/2015 0833	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/26/2015 0038				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	48.2	44.5	92	73 - 126	
1,1-Dichloroethene	48.2	44.4	92	59 - 125	
1,2-Dichlorobenzene	48.2	45.1	94	75 - 120	
1,2-Dichloroethane	48.2	43.8	91	77 - 122	
Benzene	48.2	44.6	93	79 - 127	
Chlorobenzene	48.2	42.9	89	76 - 124	
cis-1,2-Dichloroethene	48.2	44.9	93	81 - 117	
Ethylbenzene	48.2	43.4	90	80 - 120	
Methyl tert-butyl ether	48.2	45.0	93	63 - 125	
Tetrachloroethene	48.2	43.7	91	74 - 122	
Toluene	48.2	44.0	91	74 - 128	
trans-1,2-Dichloroethene	48.2	44.9	93	78 - 126	
Trichloroethene	48.2	42.9	89	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	64 - 126
4-Bromofluorobenzene (Surr)	87	72 - 126
Toluene-d8 (Surr)	87	71 - 125

Method Blank - Batch: 480-277152

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-277152/3-A	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-277152	Lab File ID:	F2859.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	11/27/2015 2152	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	19.3	J	4.2	25
Benzene	ND		0.24	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
Cyclohexane	ND		0.70	5.0
Bromodichloromethane	ND		0.67	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
1,2-Dibromoethane	ND		0.64	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	9.00		2.3	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Method Blank - Batch: 480-277152

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-277152/3-A	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-277152	Lab File ID:	F2859.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	11/27/2015 2152	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.83	9.9
cis-1,3-Dichloropropene	ND		0.72	5.0
Styrene	ND		0.25	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	64 - 126
4-Bromofluorobenzene (Surr)	82	72 - 126
Toluene-d8 (Surr)	86	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-277152

Method: 8260C
Preparation: 5035A

LCS Lab Sample ID:	LCS 480-277152/1-A	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-277152	Lab File ID:	F2856.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.14 g
Analysis Date:	11/27/2015 2034	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-277152/2-A	Analysis Batch:	480-277216	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-277152	Lab File ID:	F2857.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.07 g
Analysis Date:	11/27/2015 2100	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	11/27/2015 1129				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethane	94	90	73 - 126	4	20		
1,1-Dichloroethene	97	87	59 - 125	10	20		
1,2-Dichlorobenzene	94	90	75 - 120	3	20		
1,2-Dichloroethane	88	86	77 - 122	1	20		
Benzene	94	89	79 - 127	4	20		
Chlorobenzene	93	88	76 - 124	4	20		
cis-1,2-Dichloroethene	94	90	81 - 117	3	20		
Ethylbenzene	95	89	80 - 120	5	20		
Methyl tert-butyl ether	89	89	63 - 125	2	20		
Tetrachloroethene	96	92	74 - 122	3	20		
Toluene	94	91	74 - 128	2	20		
trans-1,2-Dichloroethene	97	90	78 - 126	6	20		
Trichloroethene	96	88	77 - 129	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	98	64 - 126
4-Bromofluorobenzene (Surr)	85	86	72 - 126
Toluene-d8 (Surr)	84	86	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-277152

Method: 8260C
Preparation: 5035A

LCS Lab Sample ID:	LCS 480-277152/1-A	Units: ug/Kg	LCSD Lab Sample ID:	LCSD 480-277152/2-A
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Analysis Date:	11/27/2015 2034		Analysis Date:	11/27/2015 2100
Prep Date:	11/27/2015 1129		Prep Date:	11/27/2015 1129
Leach Date:	N/A		Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethane	48.6	49.3	45.9	44.2
1,1-Dichloroethene	48.6	49.3	47.4	42.9
1,2-Dichlorobenzene	48.6	49.3	45.7	44.4
1,2-Dichloroethane	48.6	49.3	42.8	42.2
Benzene	48.6	49.3	45.9	44.1
Chlorobenzene	48.6	49.3	45.0	43.3
cis-1,2-Dichloroethene	48.6	49.3	45.8	44.2
Ethylbenzene	48.6	49.3	46.2	43.8
Methyl tert-butyl ether	48.6	49.3	43.0	44.1
Tetrachloroethene	48.6	49.3	46.9	45.6
Toluene	48.6	49.3	45.8	44.8
trans-1,2-Dichloroethene	48.6	49.3	47.2	44.6
Trichloroethene	48.6	49.3	46.5	43.6

Method Blank - Batch: 480-277359

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-277359/11-A	Analysis Batch:	480-277335	Instrument ID:	HP5975T
Client Matrix:	Solid	Prep Batch:	480-277359	Lab File ID:	T2462.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	11/30/2015 1351	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 0931				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		28	100
1,1,2,2-Tetrachloroethane	ND		16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	100
1,1,2-Trichloroethane	ND		21	100
1,1-Dichloroethane	ND		31	100
1,1-Dichloroethene	ND		34	100
1,2,4-Trichlorobenzene	ND		38	100
1,2-Dibromo-3-Chloropropane	ND		50	100
1,2-Dichlorobenzene	ND		25	100
1,2-Dichloroethane	ND		41	100
1,2-Dichloropropane	ND		16	100
1,3-Dichlorobenzene	ND		27	100
1,4-Dichlorobenzene	ND		14	100
2-Butanone (MEK)	ND		300	500
2-Hexanone	ND		200	500
4-Methyl-2-pentanone (MIBK)	ND		32	500
Acetone	ND		410	500
Benzene	ND		19	100
Bromoform	ND		50	100
Bromomethane	ND		22	100
Carbon disulfide	ND		45	100
Carbon tetrachloride	ND		25	100
Chlorobenzene	ND		13	100
Dibromochloromethane	ND		48	100
Chloroethane	ND		21	100
Chloroform	ND		68	100
Chloromethane	ND		24	100
cis-1,2-Dichloroethene	ND		27	100
Cyclohexane	ND		22	100
Bromodichloromethane	ND		20	100
Dichlorodifluoromethane	ND		43	100
Ethylbenzene	ND		29	100
1,2-Dibromoethane	ND		17	100
Isopropylbenzene	ND		15	100
Methyl acetate	ND		47	100
Methyl tert-butyl ether	ND		38	100
Methylcyclohexane	ND		47	100
Methylene Chloride	ND		20	100
Tetrachloroethene	ND		13	100
Toluene	ND		27	100
trans-1,2-Dichloroethene	ND		24	100
trans-1,3-Dichloropropene	ND		9.8	100
Trichloroethene	ND		28	100
Trichlorofluoromethane	ND		47	100
Vinyl chloride	ND		33	100

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Method Blank - Batch: 480-277359

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-277359/11-A	Analysis Batch:	480-277335	Instrument ID:	HP5975T
Client Matrix:	Solid	Prep Batch:	480-277359	Lab File ID:	T2462.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	11/30/2015 1351	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 0931				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		55	200
cis-1,3-Dichloropropene	ND		24	100
Styrene	ND		24	100

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	53 - 146
4-Bromofluorobenzene (Surr)	94	49 - 148
Toluene-d8 (Surr)	97	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-277359

Method: 8260C
Preparation: 5035A

LCS Lab Sample ID:	LCS 480-277359/9-A	Analysis Batch:	480-277335	Instrument ID:	HP5975T
Client Matrix:	Solid	Prep Batch:	480-277359	Lab File ID:	T2460.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.05 g
Analysis Date:	11/30/2015 1304	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 0931				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-277359/10-A	Analysis Batch:	480-277335	Instrument ID:	HP5975T
Client Matrix:	Solid	Prep Batch:	480-277359	Lab File ID:	T2459.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.98 g
Analysis Date:	11/30/2015 1240	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 0931				5 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethane	97	101	78 - 121	6	20		
1,1-Dichloroethene	91	97	48 - 133	8	20		
1,2-Dichlorobenzene	93	91	78 - 125	1	20		
1,2-Dichloroethane	94	97	74 - 127	5	20		
Benzene	94	98	77 - 125	6	20		
Chlorobenzene	92	94	76 - 126	3	20		
cis-1,2-Dichloroethene	87	90	79 - 124	5	20		
Ethylbenzene	94	98	78 - 124	6	20		
Methyl tert-butyl ether	91	95	67 - 137	7	20		
Tetrachloroethene	98	101	73 - 133	4	20		
Toluene	92	97	75 - 124	7	20		
trans-1,2-Dichloroethene	89	96	74 - 129	9	20		
Trichloroethene	89	92	75 - 131	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	105	53 - 146
4-Bromofluorobenzene (Surr)	95	97	49 - 148
Toluene-d8 (Surr)	96	99	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-277359

Method: 8260C
Preparation: 5035A

LCS Lab Sample ID:	LCS 480-277359/9-A	Units: ug/Kg		LCSD Lab Sample ID:	LCSD 480-277359/10-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/30/2015 1304			Analysis Date:	11/30/2015 1240
Prep Date:	11/30/2015 0931			Prep Date:	11/30/2015 0931
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1-Dichloroethane	2480	2510	2390	2540
1,1-Dichloroethene	2480	2510	2250	2450
1,2-Dichlorobenzene	2480	2510	2310	2290
1,2-Dichloroethane	2480	2510	2320	2430
Benzene	2480	2510	2320	2460
Chlorobenzene	2480	2510	2280	2360
cis-1,2-Dichloroethene	2480	2510	2150	2250
Ethylbenzene	2480	2510	2320	2470
Methyl tert-butyl ether	2480	2510	2240	2400
Tetrachloroethene	2480	2510	2430	2530
Toluene	2480	2510	2280	2440
trans-1,2-Dichloroethene	2480	2510	2210	2410
Trichloroethene	2480	2510	2190	2310

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-277359

Method: 8260C
Preparation: 5035A

MS Lab Sample ID:	480-91710-2	Analysis Batch:	480-277493	Instrument ID:	HP5973N
Client Matrix:	Solid	Prep Batch:	480-277359	Lab File ID:	N5080.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5.14 g
Analysis Date:	12/01/2015 0617			Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-91710-2	Analysis Batch:	480-277493	Instrument ID:	HP5973N
Client Matrix:	Solid	Prep Batch:	480-277359	Lab File ID:	N5081.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5.09 g
Analysis Date:	12/01/2015 0644			Final Weight/Volume:	10 mL
Prep Date:	11/30/2015 1044				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	68	62	82 - 138	2	20	F1	F1
1,1-Dichloroethene	105	111	50 - 147	7	20		
1,2-Dichlorobenzene	92	93	80 - 132	2	20		
1,2-Dichloroethane	103	104	78 - 129	2	20		
Benzene	99	100	77 - 125	2	20		
Chlorobenzene	95	95	76 - 126	1	20		
cis-1,2-Dichloroethene	85	19	79 - 124	11	20	4	4
Ethylbenzene	93	88	78 - 124	4	20		
Methyl tert-butyl ether	88	92	67 - 137	5	20		
Tetrachloroethene	118	116	73 - 133	1	20		
Toluene	101	91	75 - 124	4	20		
trans-1,2-Dichloroethene	108	110	74 - 129	3	20		
Trichloroethene	175	112	75 - 131	29	20	F1	F2

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	109	53 - 146
4-Bromofluorobenzene (Surr)	103	104	49 - 148
Toluene-d8 (Surr)	90	88	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-277359

Method: 8260C
Preparation: 5035A

MS Lab Sample ID:	480-91710-2	Units: ug/Kg	MSD Lab Sample ID: 480-91710-2
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	5.0		Dilution: 5.0
Analysis Date:	12/01/2015 0617		Analysis Date: 12/01/2015 0644
Prep Date:	11/30/2015 1044		Prep Date: 11/30/2015 1044
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	4400	2620	2640	6220	F1	6070	F1
1,1-Dichloroethene	ND	2620	2640	2740		2930	
1,2-Dichlorobenzene	ND	2620	2640	2400		2450	
1,2-Dichloroethane	ND	2620	2640	2690		2740	
Benzene	ND	2620	2640	2580		2650	
Chlorobenzene	ND	2620	2640	2480		2500	
cis-1,2-Dichloroethene	15000	2620	2640	17000	4	15200	4
Ethylbenzene	ND	2620	2640	2420		2330	
Methyl tert-butyl ether	ND	2620	2640	2310		2440	
Tetrachloroethene	320 J	2620	2640	3410		3380	
Toluene	3200	2620	2640	5840		5590	
trans-1,2-Dichloroethene	ND	2620	2640	2820		2910	
Trichloroethene	1700	2620	2640	6290	F1	4670	F2

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	ISTD response or retention time outside acceptable limits
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-277064					
LCS 480-277064/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-277064/2-A	Method Blank	T	Solid	5035A	
480-91710-4	B24-AREA2-S1	T	Solid	5035A	
480-91710-5	B24-AREA2-S2	T	Solid	5035A	
Analysis Batch:480-277087					
LCS 480-277064/1-A	Lab Control Sample	T	Solid	8260C	480-277064
MB 480-277064/2-A	Method Blank	T	Solid	8260C	480-277064
480-91710-4	B24-AREA2-S1	T	Solid	8260C	480-277064
480-91710-5	B24-AREA2-S2	T	Solid	8260C	480-277064
Prep Batch: 480-277152					
LCS 480-277152/1-A	Lab Control Sample	T	Solid	5035A	
LCSD 480-277152/2-A	Lab Control Sample Duplicate	T	Solid	5035A	
MB 480-277152/3-A	Method Blank	T	Solid	5035A	
480-91710-3	B23-AREA2-S2	T	Solid	5035A	
480-91710-6	B22-POLEBARN-S1	T	Solid	5035A	
480-91710-8	B22-POLEBARN-S3	T	Solid	5035A	
Analysis Batch:480-277216					
LCS 480-277152/1-A	Lab Control Sample	T	Solid	8260C	480-277152
LCSD 480-277152/2-A	Lab Control Sample Duplicate	T	Solid	8260C	480-277152
MB 480-277152/3-A	Method Blank	T	Solid	8260C	480-277152
480-91710-3	B23-AREA2-S2	T	Solid	8260C	480-277152
480-91710-6	B22-POLEBARN-S1	T	Solid	8260C	480-277152
480-91710-8	B22-POLEBARN-S3	T	Solid	8260C	480-277152
Analysis Batch:480-277335					
LCS 480-277359/9-A	Lab Control Sample	T	Solid	8260C	480-277359
LCSD 480-277359/10-A	Lab Control Sample Duplicate	T	Solid	8260C	480-277359
MB 480-277359/11-A	Method Blank	T	Solid	8260C	480-277359
Analysis Batch:480-277340					
480-91710-4DL	B24-AREA2-S1	T	Solid	8260C	480-277359
480-91710-6DL	B22-POLEBARN-S1	T	Solid	8260C	480-277359
480-91710-7	B22-POLEBARN-S2	T	Solid	8260C	480-277359

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-277359					
LCS 480-277359/9-A	Lab Control Sample	T	Solid	5035A	
LCSD 480-277359/10-A	Lab Control Sample Duplicate	T	Solid	5035A	
MB 480-277359/11-A	Method Blank	T	Solid	5035A	
480-91710-2	B23-AREA2-S1	T	Solid	5035A	
480-91710-2MS	Matrix Spike	T	Solid	5035A	
480-91710-2MSD	Matrix Spike Duplicate	T	Solid	5035A	
480-91710-4DL	B24-AREA2-S1	T	Solid	5035A	
480-91710-6DL	B22-POLEBARN-S1	T	Solid	5035A	
480-91710-7	B22-POLEBARN-S2	T	Solid	5035A	
Analysis Batch:480-277493					
480-91710-2	B23-AREA2-S1	T	Solid	8260C	480-277359
480-91710-2MS	Matrix Spike	T	Solid	8260C	480-277359
480-91710-2MSD	Matrix Spike Duplicate	T	Solid	8260C	480-277359

Report Basis
T = Total

General Chemistry

Analysis Batch:480-277067					
480-91710-2	B23-AREA2-S1	T	Solid	Moisture	
480-91710-3	B23-AREA2-S2	T	Solid	Moisture	
480-91710-4	B24-AREA2-S1	T	Solid	Moisture	
480-91710-5	B24-AREA2-S2	T	Solid	Moisture	
480-91710-6	B22-POLEBARN-S1	T	Solid	Moisture	
480-91710-7	B22-POLEBARN-S2	T	Solid	Moisture	
480-91710-8	B22-POLEBARN-S3	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Laboratory Chronicle

Lab ID: 480-91710-2 **Client ID: B23-AREA2-S1**

Sample Date/Time: 11/23/2015 12:15 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-2-B		480-277493	480-277359	11/30/2015 10:44	5	TAL BUF	GTG
A:8260C	480-91710-A-2-B		480-277493	480-277359	12/01/2015 03:36	5	TAL BUF	GTG
A:Moisture	480-91710-A-2		480-277067		11/26/2015 02:51	1	TAL BUF	NMD1

Lab ID: 480-91710-2 MS **Client ID: B23-AREA2-S1**

Sample Date/Time: 11/23/2015 12:15 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-2-C MS		480-277493	480-277359	11/30/2015 10:44	5	TAL BUF	GTG
A:8260C	480-91710-A-2-C MS		480-277493	480-277359	12/01/2015 06:17	5	TAL BUF	GTG

Lab ID: 480-91710-2 MSD **Client ID: B23-AREA2-S1**

Sample Date/Time: 11/23/2015 12:15 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-2-D MSD		480-277493	480-277359	11/30/2015 10:44	5	TAL BUF	GTG
A:8260C	480-91710-A-2-D MSD		480-277493	480-277359	12/01/2015 06:44	5	TAL BUF	GTG

Lab ID: 480-91710-3 **Client ID: B23-AREA2-S2**

Sample Date/Time: 11/23/2015 12:40 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-3-B		480-277216	480-277152	11/27/2015 11:29	1	TAL BUF	CDC
A:8260C	480-91710-A-3-B		480-277216	480-277152	11/28/2015 02:04	1	TAL BUF	NMD1
A:Moisture	480-91710-A-3		480-277067		11/26/2015 02:51	1	TAL BUF	NMD1

Lab ID: 480-91710-4 **Client ID: B24-AREA2-S1**

Sample Date/Time: 11/23/2015 15:05 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-4-A		480-277087	480-277064	11/26/2015 00:38	1	TAL BUF	NMD1
A:8260C	480-91710-A-4-A		480-277087	480-277064	11/27/2015 14:19	1	TAL BUF	NMD1
P:5035A	480-91710-A-4-C	DL	480-277340	480-277359	11/30/2015 10:44	10	TAL BUF	GTG
A:8260C	480-91710-A-4-C	DL	480-277340	480-277359	11/30/2015 16:12	10	TAL BUF	GTG
A:Moisture	480-91710-A-4		480-277067		11/26/2015 02:51	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Laboratory Chronicle

Lab ID: 480-91710-5 **Client ID: B24-AREA2-S2**

Sample Date/Time: 11/23/2015 15:30 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-5-A		480-277087	480-277064	11/26/2015 00:38	1	TAL BUF	NMD1
A:8260C	480-91710-A-5-A		480-277087	480-277064	11/27/2015 14:45	1	TAL BUF	NMD1
A:Moisture	480-91710-A-5		480-277067		11/26/2015 02:51	1	TAL BUF	NMD1

Lab ID: 480-91710-6 **Client ID: B22-POLEBARN-S1**

Sample Date/Time: 11/24/2015 13:20 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-6-B		480-277216	480-277152	11/27/2015 11:29	1	TAL BUF	CDC
A:8260C	480-91710-A-6-B		480-277216	480-277152	11/28/2015 03:22	1	TAL BUF	NMD1
P:5035A	480-91710-A-6-C	DL	480-277340	480-277359	11/30/2015 10:44	10	TAL BUF	GTG
A:8260C	480-91710-A-6-C	DL	480-277340	480-277359	11/30/2015 16:38	10	TAL BUF	GTG
A:Moisture	480-91710-A-6		480-277067		11/26/2015 02:51	1	TAL BUF	NMD1

Lab ID: 480-91710-7 **Client ID: B22-POLEBARN-S2**

Sample Date/Time: 11/24/2015 13:40 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-7-B		480-277340	480-277359	11/30/2015 10:44	10	TAL BUF	GTG
A:8260C	480-91710-A-7-B		480-277340	480-277359	11/30/2015 17:05	10	TAL BUF	GTG
A:Moisture	480-91710-A-7		480-277067		11/26/2015 02:51	1	TAL BUF	NMD1

Lab ID: 480-91710-8 **Client ID: B22-POLEBARN-S3**

Sample Date/Time: 11/24/2015 15:00 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-91710-A-8-B		480-277216	480-277152	11/27/2015 11:29	1	TAL BUF	CDC
A:8260C	480-91710-A-8-B		480-277216	480-277152	11/28/2015 03:48	1	TAL BUF	NMD1
A:Moisture	480-91710-A-8		480-277067		11/26/2015 02:51	1	TAL BUF	NMD1

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	MB 480-277064/2-A		480-277087	480-277064	11/26/2015 00:38	1	TAL BUF	NMD1
A:8260C	MB 480-277064/2-A		480-277087	480-277064	11/27/2015 09:24	1	TAL BUF	NMD1
P:5035A	MB 480-277152/3-A		480-277216	480-277152	11/27/2015 11:29	1	TAL BUF	CDC
A:8260C	MB 480-277152/3-A		480-277216	480-277152	11/27/2015 21:52	1	TAL BUF	NMD1
P:5035A	MB 480-277359/11-A		480-277335	480-277359	11/30/2015 09:31	1	TAL BUF	GTG
A:8260C	MB 480-277359/11-A		480-277335	480-277359	11/30/2015 13:51	1	TAL BUF	RAS

Client: Stantec Consulting Services Inc Job Number: 480-91710-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	LCS 480-277064/1-A		480-277087	480-277064	11/26/2015 00:38	1	TAL BUF	NMD1
A:8260C	LCS 480-277064/1-A		480-277087	480-277064	11/27/2015 08:33	1	TAL BUF	NMD1
P:5035A	LCS 480-277152/1-A		480-277216	480-277152	11/27/2015 11:29	1	TAL BUF	CDC
A:8260C	LCS 480-277152/1-A		480-277216	480-277152	11/27/2015 20:34	1	TAL BUF	NMD1
P:5035A	LCS 480-277359/9-A		480-277335	480-277359	11/30/2015 09:31	1	TAL BUF	GTG
A:8260C	LCS 480-277359/9-A		480-277335	480-277359	11/30/2015 13:04	1	TAL BUF	RAS

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	LCSD 480-277152/2-A		480-277216	480-277152	11/27/2015 11:29	1	TAL BUF	CDC
A:8260C	LCSD 480-277152/2-A		480-277216	480-277152	11/27/2015 21:00	1	TAL BUF	NMD1
P:5035A	LCSD 480-277359/10-A		480-277335	480-277359	11/30/2015 09:31	1	TAL BUF	GTG
A:8260C	LCSD 480-277359/10-A		480-277335	480-277359	11/30/2015 12:40	1	TAL BUF	RAS

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Volatiles

TestAmerica Job ID: 480-91710-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B23-AREA2-S2	480-91710-3	83	85	48 X
B24-AREA2-S1	480-91710-4	92	87	79
B24-AREA2-S2	480-91710-5	77	91	34 X
B22-POLEBARN-S1	480-91710-6	87	83	72
B22-POLEBARN-S3	480-91710-8	82	88	59 X
	MB 480-277064/2-A	90	88	85
	MB 480-277152/3-A	86	86	82
	LCS 480-277064/1-A	89	87	87
	LCS 480-277152/1-A	95	84	85
	LCSD 480-277152/2-A	98	86	86

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B23-AREA2-S1	480-91710-2	109	85	93
B24-AREA2-S1 DL	480-91710-4 DL	96	90	99
B22-POLEBARN-S1 DL	480-91710-6 DL	101	88	97
B22-POLEBARN-S2	480-91710-7	102	90	97
	MB 480-277359/11-A	102	97	94
	LCS 480-277359/9-A	99	96	95
	LCSD 480-277359/10-A	105	99	97
B23-AREA2-S1 MS	480-91710-2 MS	103	90	103
B23-AREA2-S1 MSD	480-91710-2 MSD	109	88	104

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2829.D

Lab ID: LCS 480-277064/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	48.2	44.5	92	73-126	
1,1-Dichloroethene	48.2	44.4	92	59-125	
1,2-Dichlorobenzene	48.2	45.1	94	75-120	
1,2-Dichloroethane	48.2	43.8	91	77-122	
Benzene	48.2	44.6	93	79-127	
Chlorobenzene	48.2	42.9	89	76-124	
cis-1,2-Dichloroethene	48.2	44.9	93	81-117	
Ethylbenzene	48.2	43.4	90	80-120	
Methyl tert-butyl ether	48.2	45.0	93	63-125	
Tetrachloroethene	48.2	43.7	91	74-122	
Toluene	48.2	44.0	91	74-128	
trans-1,2-Dichloroethene	48.2	44.9	93	78-126	
Trichloroethene	48.2	42.9	89	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2856.D

Lab ID: LCS 480-277152/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	48.6	45.9	94	73-126	
1,1-Dichloroethene	48.6	47.4	97	59-125	
1,2-Dichlorobenzene	48.6	45.7	94	75-120	
1,2-Dichloroethane	48.6	42.8	88	77-122	
Benzene	48.6	45.9	94	79-127	
Chlorobenzene	48.6	45.0	93	76-124	
cis-1,2-Dichloroethene	48.6	45.8	94	81-117	
Ethylbenzene	48.6	46.2	95	80-120	
Methyl tert-butyl ether	48.6	43.0	89	63-125	
Tetrachloroethene	48.6	46.9	96	74-122	
Toluene	48.6	45.8	94	74-128	
trans-1,2-Dichloroethene	48.6	47.2	97	78-126	
Trichloroethene	48.6	46.5	96	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: T2460.D

Lab ID: LCS 480-277359/9-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2480	2390	97	78-121	
1,1-Dichloroethene	2480	2250	91	48-133	
1,2-Dichlorobenzene	2480	2310	93	78-125	
1,2-Dichloroethane	2480	2320	94	74-127	
Benzene	2480	2320	94	77-125	
Chlorobenzene	2480	2280	92	76-126	
cis-1,2-Dichloroethene	2480	2150	87	79-124	
Ethylbenzene	2480	2320	94	78-124	
Methyl tert-butyl ether	2480	2240	91	67-137	
Tetrachloroethene	2480	2430	98	73-133	
Toluene	2480	2280	92	75-124	
trans-1,2-Dichloroethene	2480	2210	89	74-129	
Trichloroethene	2480	2190	89	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F2857.D

Lab ID: LCSD 480-277152/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	49.3	44.2	90	4	20	73-126	
1,1-Dichloroethene	49.3	42.9	87	10	20	59-125	
1,2-Dichlorobenzene	49.3	44.4	90	3	20	75-120	
1,2-Dichloroethane	49.3	42.2	86	1	20	77-122	
Benzene	49.3	44.1	89	4	20	79-127	
Chlorobenzene	49.3	43.3	88	4	20	76-124	
cis-1,2-Dichloroethene	49.3	44.2	90	3	20	81-117	
Ethylbenzene	49.3	43.8	89	5	20	80-120	
Methyl tert-butyl ether	49.3	44.1	89	2	20	63-125	
Tetrachloroethene	49.3	45.6	92	3	20	74-122	
Toluene	49.3	44.8	91	2	20	74-128	
trans-1,2-Dichloroethene	49.3	44.6	90	6	20	78-126	
Trichloroethene	49.3	43.6	88	6	20	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: T2459.D

Lab ID: LCSD 480-277359/10-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	2510	2540	101	6	20	78-121	
1,1-Dichloroethene	2510	2450	97	8	20	48-133	
1,2-Dichlorobenzene	2510	2290	91	1	20	78-125	
1,2-Dichloroethane	2510	2430	97	5	20	74-127	
Benzene	2510	2460	98	6	20	77-125	
Chlorobenzene	2510	2360	94	3	20	76-126	
cis-1,2-Dichloroethene	2510	2250	90	5	20	79-124	
Ethylbenzene	2510	2470	98	6	20	78-124	
Methyl tert-butyl ether	2510	2400	95	7	20	67-137	
Tetrachloroethene	2510	2530	101	4	20	73-133	
Toluene	2510	2440	97	7	20	75-124	
trans-1,2-Dichloroethene	2510	2410	96	9	20	74-129	
Trichloroethene	2510	2310	92	5	20	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N5080.D

Lab ID: 480-91710-2 MS Client ID: B23-AREA2-S1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2620	4400	6220	68	82-138	F1
1,1-Dichloroethene	2620	ND	2740	105	50-147	
1,2-Dichlorobenzene	2620	ND	2400	92	80-132	
1,2-Dichloroethane	2620	ND	2690	103	78-129	
Benzene	2620	ND	2580	99	77-125	
Chlorobenzene	2620	ND	2480	95	76-126	
cis-1,2-Dichloroethene	2620	15000	17000	85	79-124	4
Ethylbenzene	2620	ND	2420	93	78-124	
Methyl tert-butyl ether	2620	ND	2310	88	67-137	
Tetrachloroethene	2620	320 J	3410	118	73-133	
Toluene	2620	3200	5840	101	75-124	
trans-1,2-Dichloroethene	2620	ND	2820	108	74-129	
Trichloroethene	2620	1700	6290	175	75-131	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N5081.D

Lab ID: 480-91710-2 MSD Client ID: B23-AREA2-S1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	2640	6070	62	2	20	82-138	F1
1,1-Dichloroethene	2640	2930	111	7	20	50-147	
1,2-Dichlorobenzene	2640	2450	93	2	20	80-132	
1,2-Dichloroethane	2640	2740	104	2	20	78-129	
Benzene	2640	2650	100	2	20	77-125	
Chlorobenzene	2640	2500	95	1	20	76-126	
cis-1,2-Dichloroethene	2640	15200	19	11	20	79-124	4
Ethylbenzene	2640	2330	88	4	20	78-124	
Methyl tert-butyl ether	2640	2440	92	5	20	67-137	
Tetrachloroethene	2640	3380	116	1	20	73-133	
Toluene	2640	5590	91	4	20	75-124	
trans-1,2-Dichloroethene	2640	2910	110	3	20	74-129	
Trichloroethene	2640	4670	112	29	20	75-131	F2

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: F2831.D Lab Sample ID: MB 480-277064/2-A

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

Instrument ID: HP5973F Date Analyzed: 11/27/2015 09:24

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-277064/1-A	F2829.D	11/27/2015 08:33
B24-AREA2-S1	480-91710-4	F2842.D	11/27/2015 14:19
B24-AREA2-S2	480-91710-5	F2843.D	11/27/2015 14:45

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: F2859.D Lab Sample ID: MB 480-277152/3-A

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

Instrument ID: HP5973F Date Analyzed: 11/27/2015 21:52

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-277152/1-A	F2856.D	11/27/2015 20:34
	LCSD 480-277152/2-A	F2857.D	11/27/2015 21:00
B23-AREA2-S2	480-91710-3	F2868.D	11/28/2015 02:04
B22-POLEBARN-S1	480-91710-6	F2871.D	11/28/2015 03:22
B22-POLEBARN-S3	480-91710-8	F2872.D	11/28/2015 03:48

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: T2462.D Lab Sample ID: MB 480-277359/11-A

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

Instrument ID: HP5975T Date Analyzed: 11/30/2015 13:51

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCSD 480-277359/10-A	T2459.D	11/30/2015 12:40
	LCS 480-277359/9-A	T2460.D	11/30/2015 13:04
B24-AREA2-S1 DL	480-91710-4 DL	N5049.D	11/30/2015 16:12
B22-POLEBARN-S1 DL	480-91710-6 DL	N5050.D	11/30/2015 16:38
B22-POLEBARN-S2	480-91710-7	N5051.D	11/30/2015 17:05
B23-AREA2-S1	480-91710-2	N5074.D	12/01/2015 03:36
B23-AREA2-S1 MS	480-91710-2 MS	N5080.D	12/01/2015 06:17
B23-AREA2-S1 MSD	480-91710-2 MSD	N5081.D	12/01/2015 06:44

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: F2486.D BFB Injection Date: 11/19/2015

Instrument ID: HP5973F BFB Injection Time: 03:01

Analysis Batch No.: 275773

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.7	
75	30.0 - 60.0 % of mass 95	48.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	76.5	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	73.5	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.4	(7.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-275773/4	F2488.D	11/19/2015	03:55
	IC 480-275773/5	F2489.D	11/19/2015	04:21
	IC 480-275773/6	F2490.D	11/19/2015	04:47
	IC 480-275773/7	F2491.D	11/19/2015	05:13
	ICIS 480-275773/8	F2492.D	11/19/2015	05:38
	IC 480-275773/9	F2493.D	11/19/2015	06:04
	IC 480-275773/10	F2494.D	11/19/2015	06:30

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: F2826.D BFB Injection Date: 11/27/2015

Instrument ID: HP5973F BFB Injection Time: 07:03

Analysis Batch No.: 277087

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.9	
75	30.0 - 60.0 % of mass 95	46.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	73.0	
175	5.0 - 9.0 % of mass 174	5.8	(8.0) 1
176	95.0 - 101.0 % of mass 174	73.1	(100.2) 1
177	5.0 - 9.0 % of mass 176	5.2	(7.1) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-277087/4	F2827.D	11/27/2015	07:32
	LCS 480-277064/1-A	F2829.D	11/27/2015	08:33
	MB 480-277064/2-A	F2831.D	11/27/2015	09:24
B24-AREA2-S1	480-91710-4	F2842.D	11/27/2015	14:19
B24-AREA2-S2	480-91710-5	F2843.D	11/27/2015	14:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: F2853.D BFB Injection Date: 11/27/2015

Instrument ID: HP5973F BFB Injection Time: 19:01

Analysis Batch No.: 277216

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	48.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	76.2	
175	5.0 - 9.0 % of mass 174	5.3	(6.9) 1
176	95.0 - 101.0 % of mass 174	73.5	(96.4) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-277216/3	F2854.D	11/27/2015	19:31
	LCS 480-277152/1-A	F2856.D	11/27/2015	20:34
	LCSD 480-277152/2-A	F2857.D	11/27/2015	21:00
	MB 480-277152/3-A	F2859.D	11/27/2015	21:52
B23-AREA2-S2	480-91710-3	F2868.D	11/28/2015	02:04
B22-POLEBARN-S1	480-91710-6	F2871.D	11/28/2015	03:22
B22-POLEBARN-S3	480-91710-8	F2872.D	11/28/2015	03:48

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: N4025.D BFB Injection Date: 11/09/2015

Instrument ID: HP5973N BFB Injection Time: 16:25

Analysis Batch No.: 273985

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.9	
75	30.0 - 60.0 % of mass 95	48.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.2	(0.3) 1
174	50.0 - 120.00 % of mass 95	81.9	
175	5.0 - 9.0 % of mass 174	6.2	(7.6) 1
176	95.0 - 101.0 % of mass 174	78.3	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-273985/6	N4027.D	11/09/2015	17:26
	IC 480-273985/7	N4028.D	11/09/2015	17:53
	IC 480-273985/8	N4029.D	11/09/2015	18:19
	IC 480-273985/9	N4030.D	11/09/2015	18:46
	IC 480-273985/10	N4031.D	11/09/2015	19:13
	ICIS 480-273985/11	N4032.D	11/09/2015	19:39
	IC 480-273985/12	N4033.D	11/09/2015	20:06
	IC 480-273985/13	N4034.D	11/09/2015	20:32

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: N5035.D BFB Injection Date: 11/30/2015

Instrument ID: HP5973N BFB Injection Time: 09:53

Analysis Batch No.: 277340

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	53.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.8	(0.9) 1
174	50.0 - 120.00 % of mass 95	95.0	
175	5.0 - 9.0 % of mass 174	7.3	(7.7) 1
176	95.0 - 101.0 % of mass 174	91.2	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-277340/3	N5036.D	11/30/2015	10:25
B24-AREA2-S1 DL	480-91710-4 DL	N5049.D	11/30/2015	16:12
B22-POLEBARN-S1 DL	480-91710-6 DL	N5050.D	11/30/2015	16:38
B22-POLEBARN-S2	480-91710-7	N5051.D	11/30/2015	17:05

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: N5058.D BFB Injection Date: 11/30/2015

Instrument ID: HP5973N BFB Injection Time: 20:08

Analysis Batch No.: 277493

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.2	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.4	(0.4) 1
174	50.0 - 120.00 % of mass 95	95.8	
175	5.0 - 9.0 % of mass 174	6.9	(7.2) 1
176	95.0 - 101.0 % of mass 174	94.7	(98.9) 1
177	5.0 - 9.0 % of mass 176	6.1	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-277493/7	N5061.D	11/30/2015	21:26
B23-AREA2-S1	480-91710-2	N5074.D	12/01/2015	03:36
B23-AREA2-S1 MS	480-91710-2 MS	N5080.D	12/01/2015	06:17
B23-AREA2-S1 MSD	480-91710-2 MSD	N5081.D	12/01/2015	06:44

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: T0340.D BFB Injection Date: 10/20/2015

Instrument ID: HP5975T BFB Injection Time: 14:44

Analysis Batch No.: 269838

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.5	
75	30.0 - 60.0 % of mass 95	40.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.6	(0.7) 1
174	50.0 - 120.00 % of mass 95	86.0	
175	5.0 - 9.0 % of mass 174	6.0	(7.0) 1
176	95.0 - 101.0 % of mass 174	82.4	(95.8) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-269838/6	T0342.D	10/20/2015	15:37
	IC 480-269838/7	T0343.D	10/20/2015	16:00
	IC 480-269838/8	T0344.D	10/20/2015	16:24
	IC 480-269838/9	T0345.D	10/20/2015	16:48
	ICIS 480-269838/10	T0346.D	10/20/2015	17:11
	IC 480-269838/11	T0347.D	10/20/2015	17:35
	IC 480-269838/12	T0348.D	10/20/2015	17:59

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab File ID: T2455.D BFB Injection Date: 11/30/2015

Instrument ID: HP5975T BFB Injection Time: 09:54

Analysis Batch No.: 277335

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	45.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.9	(1.1) 1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	6.6	(7.9) 1
176	95.0 - 101.0 % of mass 174	81.3	(97.0) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-277335/3	T2456.D	11/30/2015	10:24
	LCSD 480-277359/10-A	T2459.D	11/30/2015	12:40
	LCS 480-277359/9-A	T2460.D	11/30/2015	13:04
	MB 480-277359/11-A	T2462.D	11/30/2015	13:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: ICIS 480-275773/8 Date Analyzed: 11/19/2015 05:38

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F2492.D Heated Purge: (Y/N) Y

Calibration ID: 25641

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		186371	5.38	370959	8.19	345689	10.54
UPPER LIMIT		372742	5.88	741918	8.69	691378	11.04
LOWER LIMIT		93186	4.88	185480	7.69	172845	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-277087/4		155669	5.38	304395	8.19	276782	10.54
CCVIS 480-277216/3		157713	5.38	306850	8.19	280770	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: CCVIS 480-277087/4 Date Analyzed: 11/27/2015 07:32

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F2827.D Heated Purge: (Y/N) Y

Calibration ID: 25644

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		155669	5.38	304395	8.19	276782	10.54
UPPER LIMIT		311338	5.88	608790	8.69	553564	11.04
LOWER LIMIT		77835	4.88	152198	7.69	138391	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-277064/1-A		164778	5.38	324285	8.19	291381	10.54
MB 480-277064/2-A		161055	5.38	302836	8.19	268687	10.54
480-91710-4	B24-AREA2-S1	161624	5.38	313928	8.19	227792	10.54
480-91710-5	B24-AREA2-S2	127421	5.38	162837	8.19	81105*	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: CCVIS 480-277216/3 Date Analyzed: 11/27/2015 19:31

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F2854.D Heated Purge: (Y/N) Y

Calibration ID: 25644

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		157713	5.38	306850	8.19	280770	10.54
UPPER LIMIT		315426	5.88	613700	8.69	561540	11.04
LOWER LIMIT		78857	4.88	153425	7.69	140385	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-277152/1-A		169220	5.38	331197	8.19	298175	10.54
LCSD 480-277152/2-A		178297	5.38	347166	8.19	310344	10.54
MB 480-277152/3-A		170531	5.38	327892	8.19	278259	10.54
480-91710-3	B23-AREA2-S2	147403	5.38	241933	8.19	127819*	10.54
480-91710-6	B22-POLEBARN-S1	155997	5.38	303277	8.19	208685	10.54
480-91710-8	B22-POLEBARN-S3	130147	5.38	208799	8.19	135533*	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: ICIS 480-273985/11 Date Analyzed: 11/09/2015 19:39

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): N4032.D Heated Purge: (Y/N) N

Calibration ID: 25550

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		109773	5.60	371212	8.60	190457	10.97
UPPER LIMIT		219546	6.10	742424	9.10	380914	11.47
LOWER LIMIT		54887	5.10	185606	8.10	95229	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-277340/3		75228	5.60	283832	8.60	160166	10.97
CCVIS 480-277493/7		96182	5.60	366060	8.60	188898	10.97

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: CCVIS 480-277340/3 Date Analyzed: 11/30/2015 10:25

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): N5036.D Heated Purge: (Y/N) N

Calibration ID: 25552

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		75228	5.60	283832	8.60	160166	10.97
UPPER LIMIT		150456	6.10	567664	9.10	320332	11.47
LOWER LIMIT		37614	5.10	141916	8.10	80083	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-91710-4 DL	B24-AREA2-S1 DL	96224	5.60	353887	8.60	181644	10.97
480-91710-6 DL	B22-POLEBARN-S1 DL	85309	5.60	330561	8.60	166491	10.97
480-91710-7	B22-POLEBARN-S2	83816	5.60	309766	8.60	160551	10.97

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: CCVIS 480-277493/7 Date Analyzed: 11/30/2015 21:26

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): N5061.D Heated Purge: (Y/N) N

Calibration ID: 25552

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		96182	5.60	366060	8.60	188898	10.97
UPPER LIMIT		192364	6.10	732120	9.10	377796	11.47
LOWER LIMIT		48091	5.10	183030	8.10	94449	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-91710-2	B23-AREA2-S1	69435	5.60	266846	8.60	141095	10.97
480-91710-2 MS	B23-AREA2-S1 MS	85419	5.60	325979	8.60	176828	10.97
480-91710-2 MSD	B23-AREA2-S1 MSD	81184	5.60	326851	8.60	177690	10.97

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: ICIS 480-269838/10 Date Analyzed: 10/20/2015 17:11

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): T0346.D Heated Purge: (Y/N) N

Calibration ID: 25308

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		144318	4.36	595520	6.63	311075	8.48
UPPER LIMIT		288636	4.86	1191040	7.13	622150	8.98
LOWER LIMIT		72159	3.86	297760	6.13	155538	7.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-277335/3		126404	4.35	482811	6.63	254367	8.48

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Sample No.: CCVIS 480-277335/3 Date Analyzed: 11/30/2015 10:24

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): T2456.D Heated Purge: (Y/N) N

Calibration ID: 25311

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		126404	4.35	482811	6.63	254367	8.48
UPPER LIMIT		252808	4.85	965622	7.13	508734	8.98
LOWER LIMIT		63202	3.85	241406	6.13	127184	7.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCSD 480-277359/10-A		130132	4.35	510759	6.63	268362	8.48
LCS 480-277359/9-A		137462	4.35	525615	6.63	263978	8.48
MB 480-277359/11-A		127094	4.35	498191	6.63	251669	8.48

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S1 | Lab Sample ID: 480-91710-2

Matrix: Solid | Lab File ID: N5074.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:15

Sample wt/vol: 5.01(g) | Date Analyzed: 12/01/2015 03:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Medium

Analysis Batch No.: 277493 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	560	150
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1	560	90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		560	280
79-00-5	1,1,2-Trichloroethane	ND		560	120
75-34-3	1,1-Dichloroethane	4400	F1	560	170
75-35-4	1,1-Dichloroethene	ND		560	190
120-82-1	1,2,4-Trichlorobenzene	ND		560	210
96-12-8	1,2-Dibromo-3-Chloropropane	ND		560	280
95-50-1	1,2-Dichlorobenzene	ND		560	140
107-06-2	1,2-Dichloroethane	ND		560	230
78-87-5	1,2-Dichloropropane	ND		560	90
541-73-1	1,3-Dichlorobenzene	ND		560	150
106-46-7	1,4-Dichlorobenzene	ND		560	78
78-93-3	2-Butanone (MEK)	ND	*	2800	1700
591-78-6	2-Hexanone	ND	F1	2800	1100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	F1	2800	180
67-64-1	Acetone	ND		2800	2300
71-43-2	Benzene	ND		560	110
75-25-2	Bromoform	ND		560	280
74-83-9	Bromomethane	ND		560	120
75-15-0	Carbon disulfide	ND		560	250
56-23-5	Carbon tetrachloride	ND		560	140
108-90-7	Chlorobenzene	ND		560	73
124-48-1	Dibromochloromethane	ND		560	270
75-00-3	Chloroethane	ND		560	120
67-66-3	Chloroform	ND		560	380
74-87-3	Chloromethane	ND		560	130
156-59-2	cis-1,2-Dichloroethene	15000		560	150
110-82-7	Cyclohexane	ND		560	120
75-27-4	Bromodichloromethane	ND		560	110
75-71-8	Dichlorodifluoromethane	ND		560	240
100-41-4	Ethylbenzene	ND		560	160
106-93-4	1,2-Dibromoethane	ND		560	97
98-82-8	Isopropylbenzene	ND		560	83
79-20-9	Methyl acetate	ND		560	260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S1 | Lab Sample ID: 480-91710-2

Matrix: Solid | Lab File ID: N5074.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:15

Sample wt/vol: 5.01(g) | Date Analyzed: 12/01/2015 03:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Medium

Analysis Batch No.: 277493 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		560	210
108-87-2	Methylcyclohexane	ND		560	260
75-09-2	Methylene Chloride	ND		560	110
127-18-4	Tetrachloroethene	320	J	560	75
108-88-3	Toluene	3200		560	150
156-60-5	trans-1,2-Dichloroethene	ND		560	130
10061-02-6	trans-1,3-Dichloropropene	ND		560	55
79-01-6	Trichloroethene	1700	F2 F1	560	150
75-69-4	Trichlorofluoromethane	ND	F2	560	260
75-01-4	Vinyl chloride	ND		560	190
1330-20-7	Xylenes, Total	ND		1100	310
10061-01-5	cis-1,3-Dichloropropene	ND		560	130
100-42-5	Styrene	ND	F1	560	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
2037-26-5	Toluene-d8 (Surr)	85		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5074.D
Lims ID: 480-91710-A-2-B Lab Sample ID: 480-91710-2
Client ID: B23-AREA2-S1
Sample Type: Client
Inject. Date: 01-Dec-2015 03:36:30 ALS Bottle#: 69 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-91710-A-2
Misc. Info.: 480-0048811-018
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Dec-2015 11:31:29 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 01-Dec-2015 07:39:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	99	69435	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	266846	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.971	10.970	0.001	95	141095	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	105853	27.3	
$ 6 Toluene-d8 (Surr)	98	7.114	7.113	0.001	94	269246	21.3	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	93	89030	23.3	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.535				ND	
14 Vinyl chloride	62		1.644				ND	
15 Bromomethane	94		1.979				ND	
16 Chloroethane	64		2.088				ND	
18 Trichlorofluoromethane	101		2.319				ND	
22 1,1-Dichloroethene	96		2.818				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.843				ND	
23 Acetone	43		2.922				ND	
25 Carbon disulfide	76		3.019				ND	
28 Methyl acetate	43		3.226				ND	
30 Methylene Chloride	84		3.323				ND	
32 Methyl tert-butyl ether	73		3.554				ND	
33 trans-1,2-Dichloroethene	96		3.567				ND	
36 1,1-Dichloroethane	63	3.981	3.980	0.001	97	53226	7.99	
43 cis-1,2-Dichloroethene	96	4.540	4.534	0.006	80	99312	26.5	
44 2-Butanone (MEK)	43		4.558				ND	
50 Chloroform	83		4.844				ND	
51 1,1,1-Trichloroethane	97		4.972				ND	
52 Cyclohexane	56		5.002				ND	
53 Carbon tetrachloride	117		5.124				ND	
55 Benzene	78		5.331				ND	
57 1,2-Dichloroethane	62		5.380				ND	
60 Trichloroethene	95	5.939	5.945	-0.006	92	10675	3.07	
62 Methylcyclohexane	83		6.079				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.170				ND	
67 Dichlorobromomethane	83		6.456				ND	
71 cis-1,3-Dichloropropene	75		6.876				ND	
72 4-Methyl-2-pentanone (MIBK	58		7.016				ND	
73 Toluene	92	7.180	7.180	0.000	98	54142	5.74	
75 trans-1,3-Dichloropropene	75		7.442				ND	
78 1,1,2-Trichloroethane	83		7.630				ND	
79 Tetrachloroethene	166	7.734	7.722	0.012	85	2449	0.5750	
82 2-Hexanone	43		7.856				ND	
83 Chlorodibromomethane	129		8.032				ND	
84 Ethylene Dibromide	107		8.141				ND	
85 Chlorobenzene	112		8.628				ND	
88 Ethylbenzene	91		8.726				ND	
90 m-Xylene & p-Xylene	106		8.847				ND	
91 o-Xylene	106		9.273				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.535				ND	
95 Isopropylbenzene	105		9.656				ND	
98 1,1,2,2-Tetrachloroethane	83		10.027				ND	
110 1,3-Dichlorobenzene	146		10.903				ND	
113 1,4-Dichlorobenzene	146		10.995				ND	
116 1,2-Dichlorobenzene	146		11.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

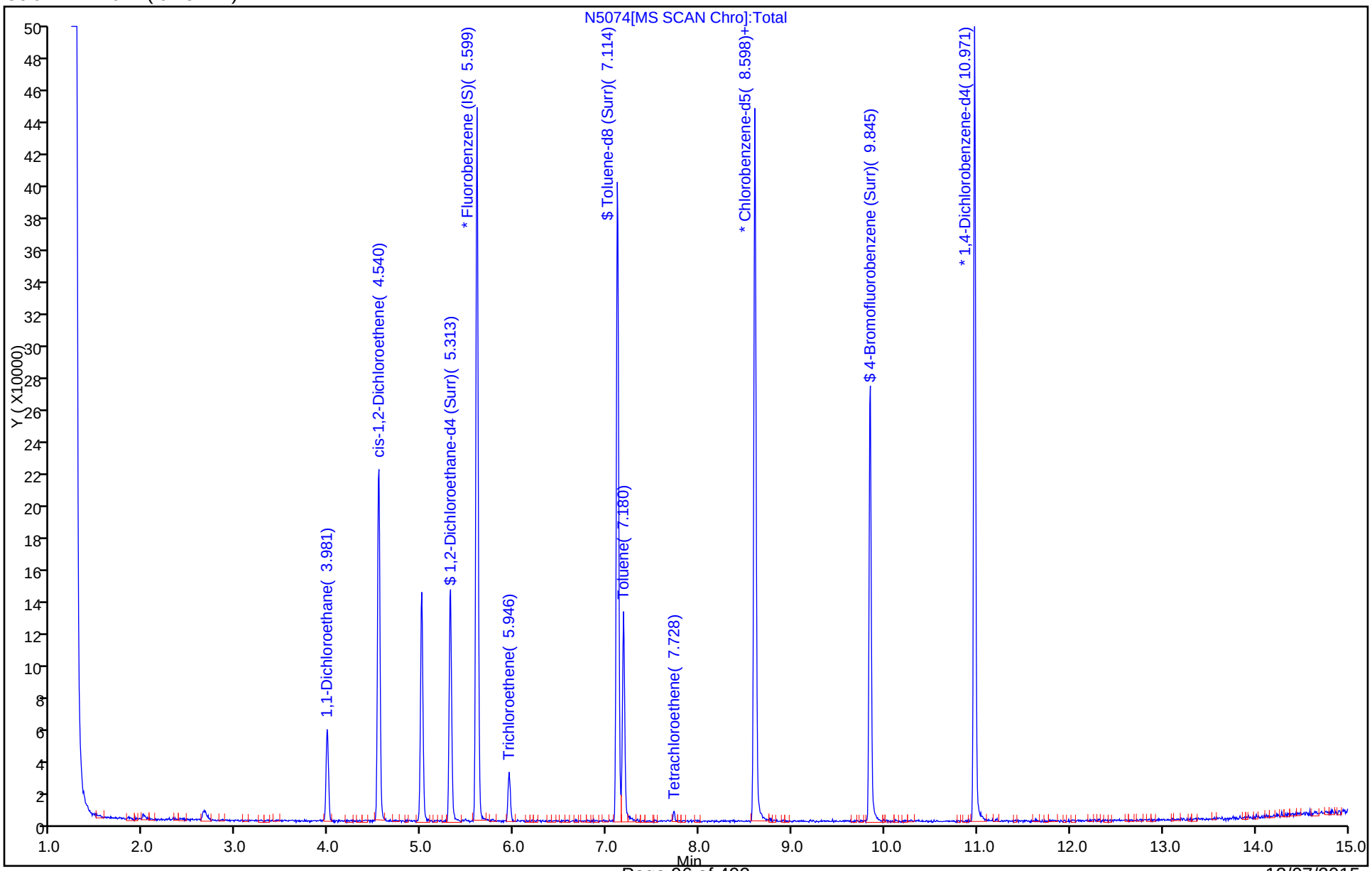
Report Date: 01-Dec-2015 13:33:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5074.D

Injection Date:	01-Dec-2015 03:36:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-91710-A-2-B	Lab Sample ID:	480-91710-2	Worklist Smp#:	18
Client ID:	B23-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	69
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



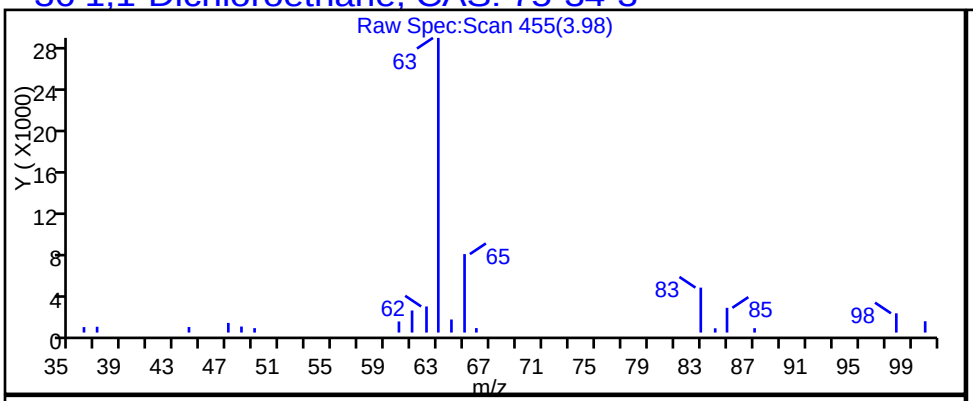
Report Date: 01-Dec-2015 13:33:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

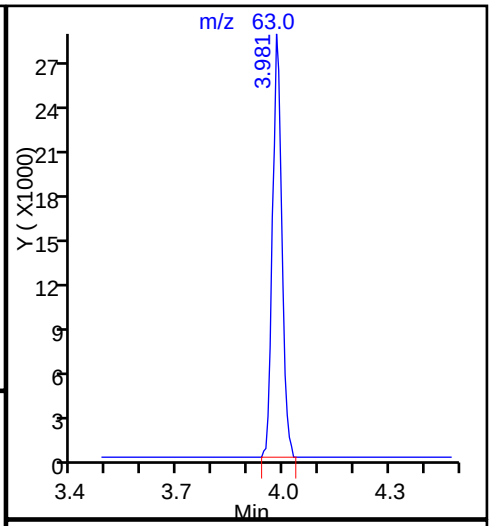
TestAmerica Buffalo

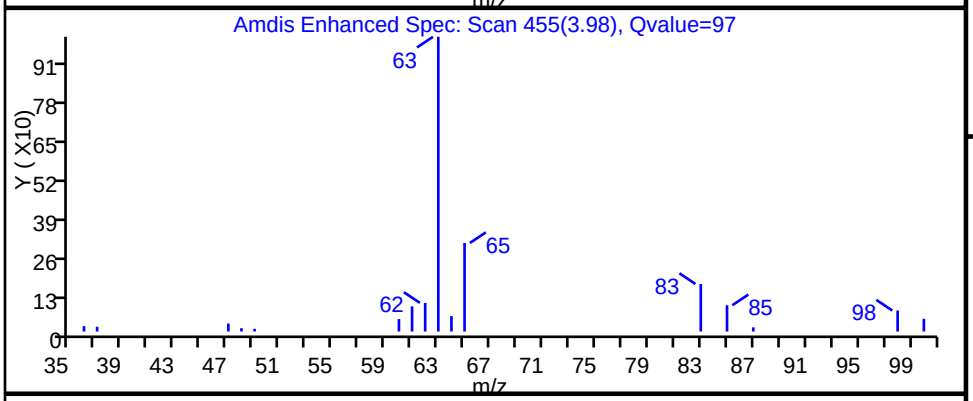
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5074.D

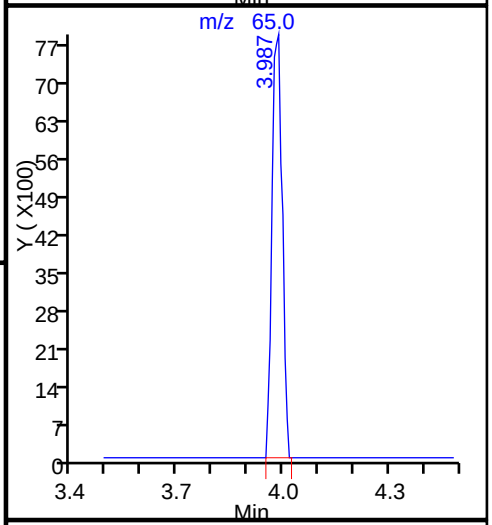
Injection Date:	01-Dec-2015 03:36:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-2-B	Lab Sample ID:	480-91710-2		
Client ID:	B23-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	69	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

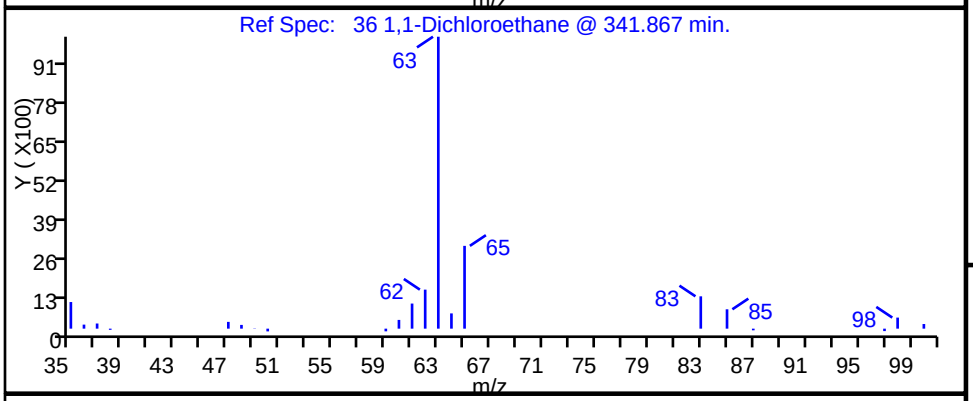
36 1,1-Dichloroethane, CAS: 75-34-3

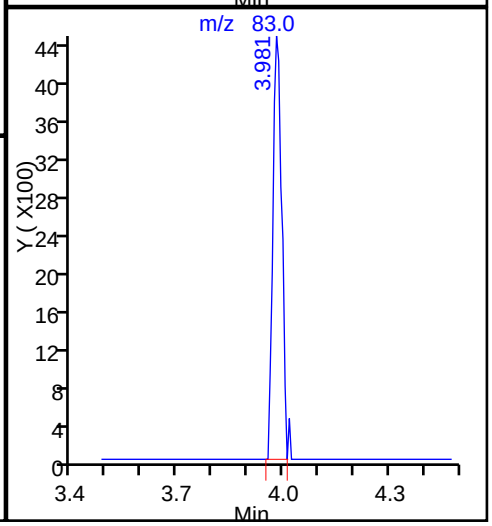


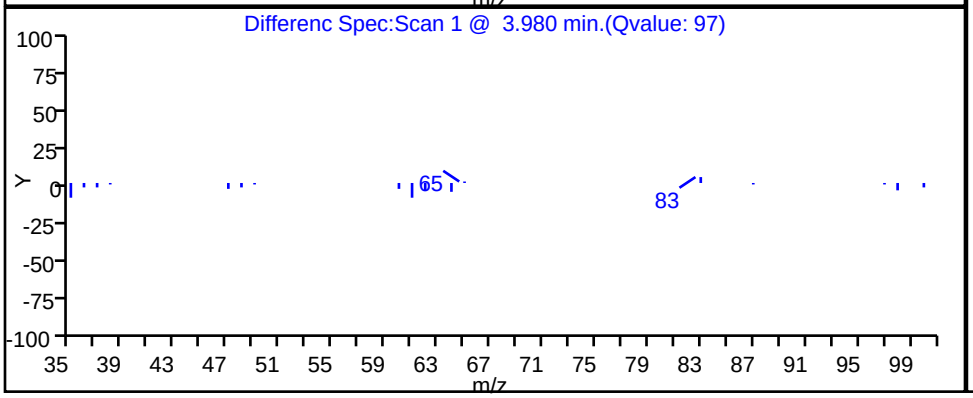










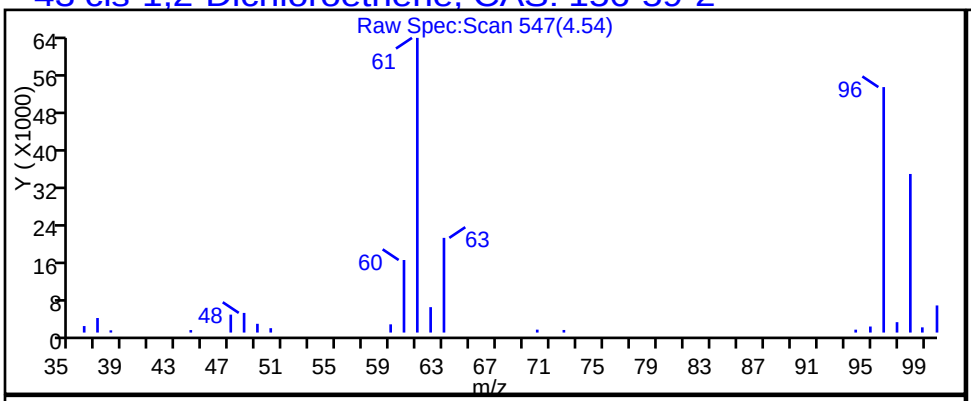


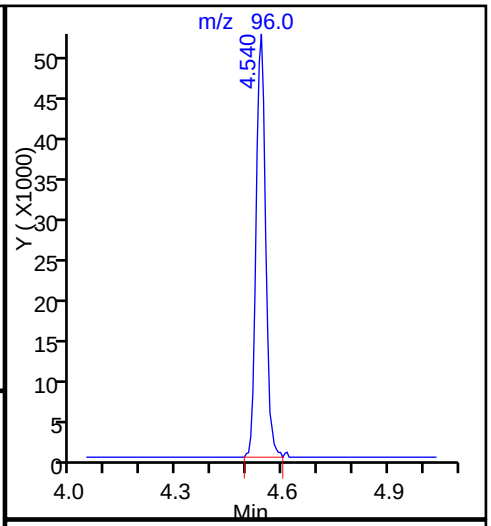
TestAmerica Buffalo

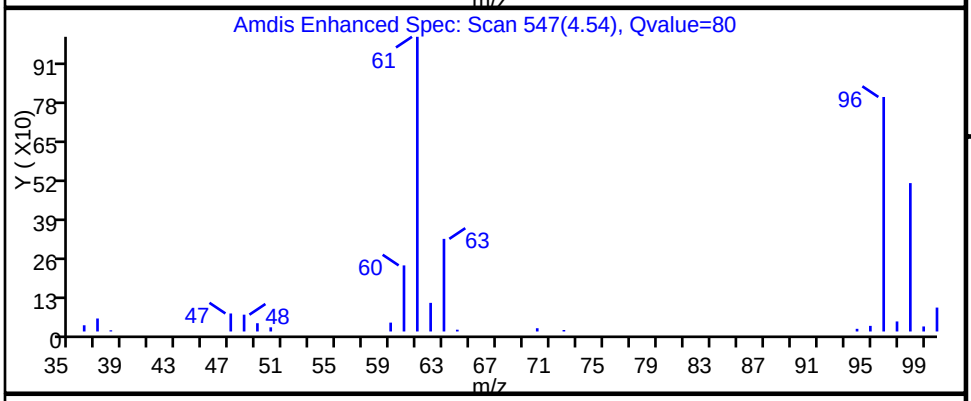
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5074.D

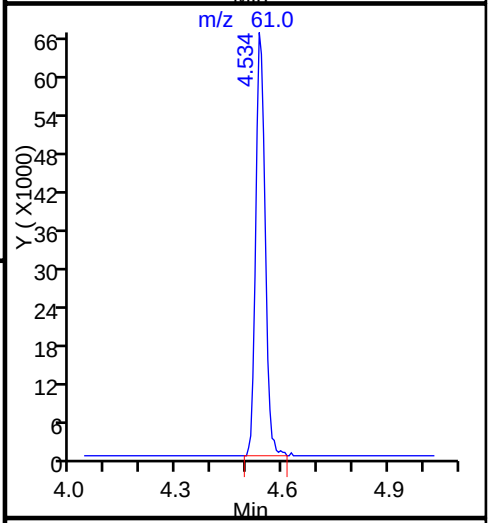
Injection Date:	01-Dec-2015 03:36:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-2-B	Lab Sample ID:	480-91710-2
Client ID:	B23-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	69 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	5.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

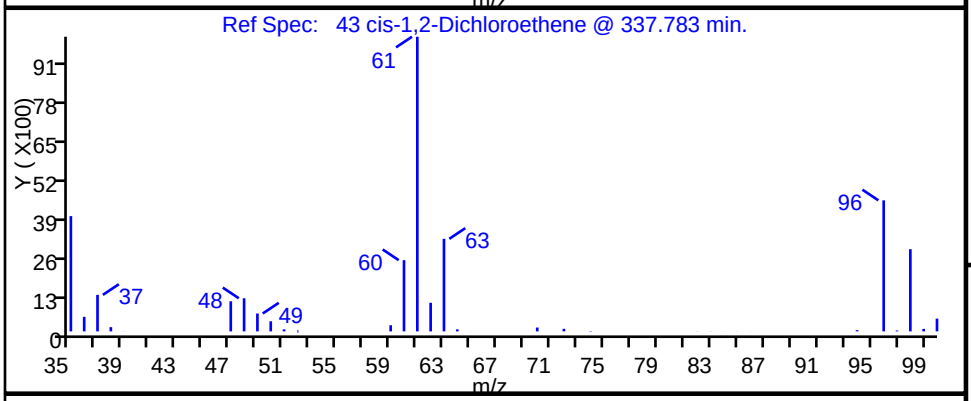
43 cis-1,2-Dichloroethene, CAS: 156-59-2

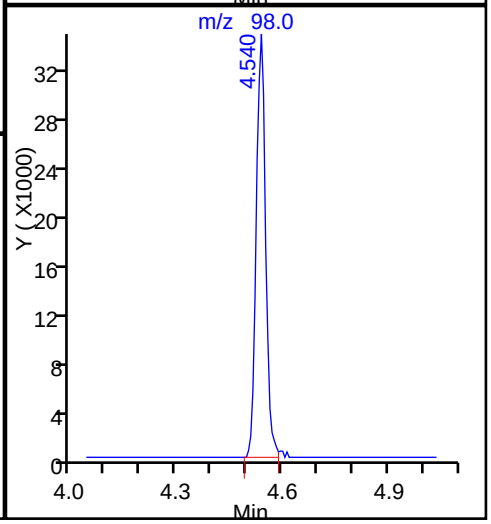


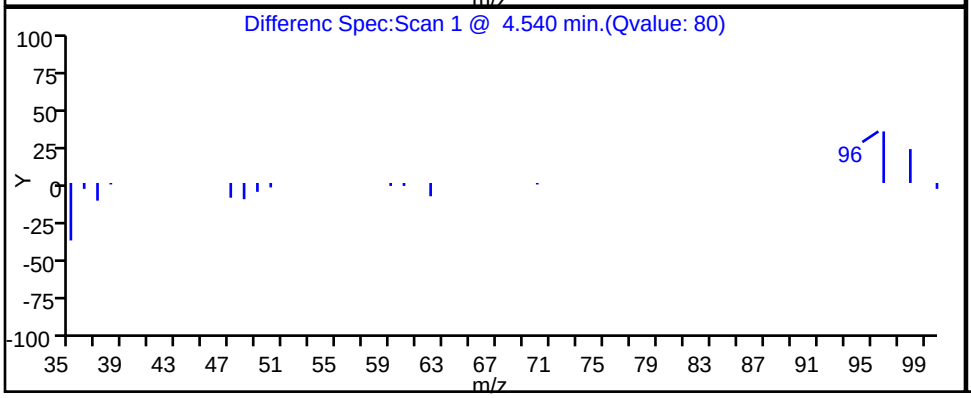










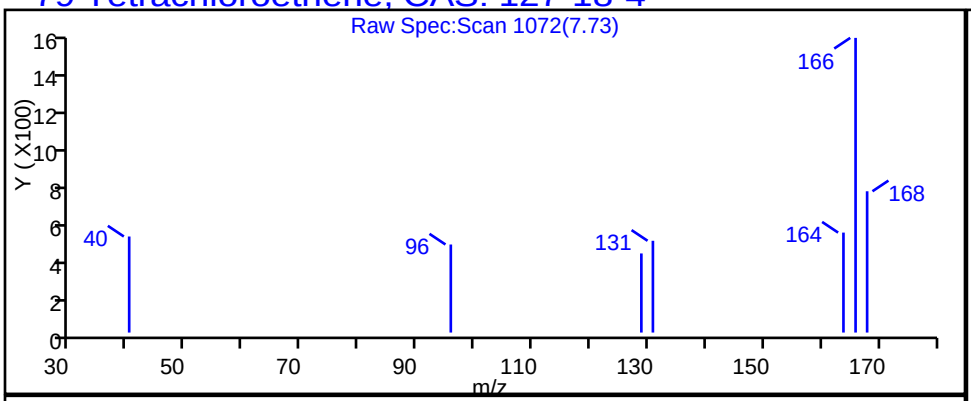


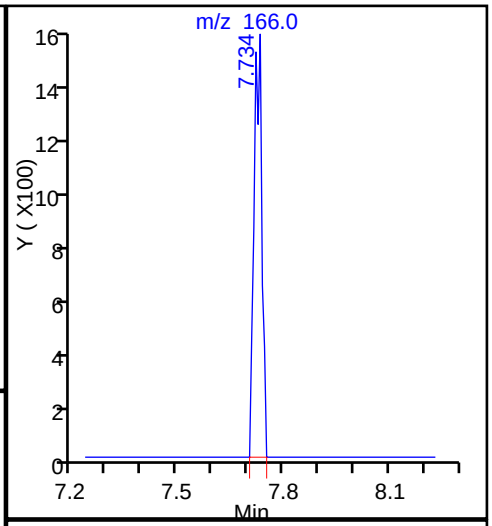
TestAmerica Buffalo

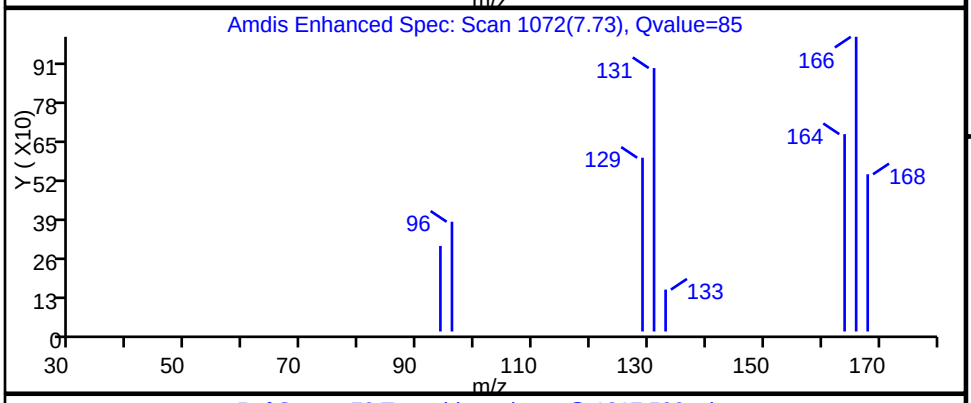
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5074.D

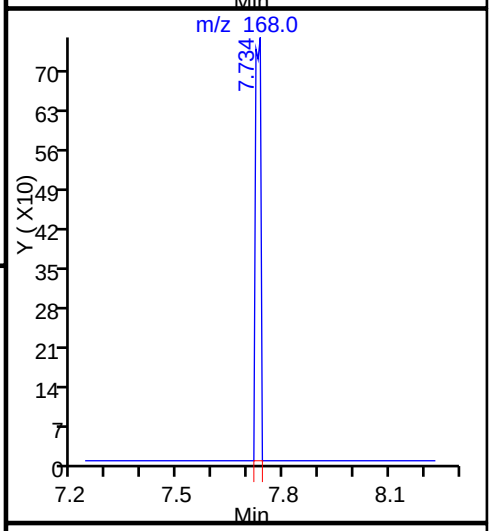
Injection Date:	01-Dec-2015 03:36:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-2-B	Lab Sample ID:	480-91710-2		
Client ID:	B23-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	69	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

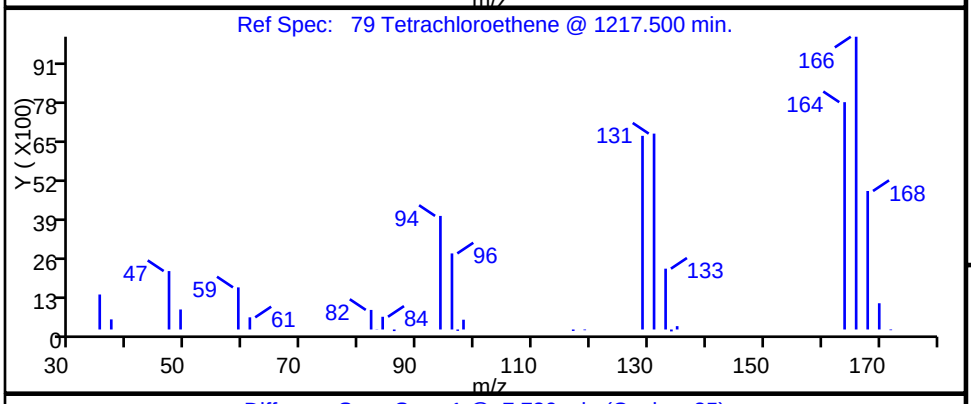
79 Tetrachloroethene, CAS: 127-18-4

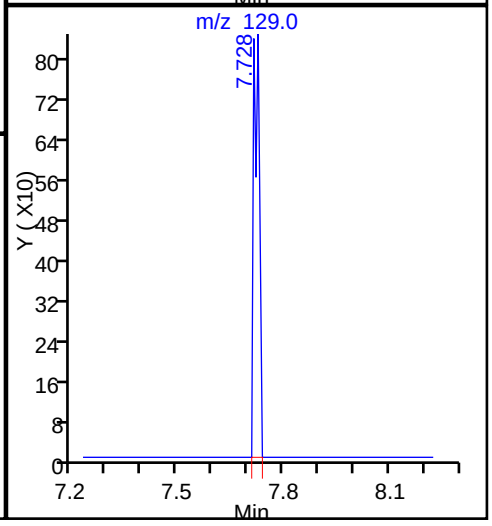


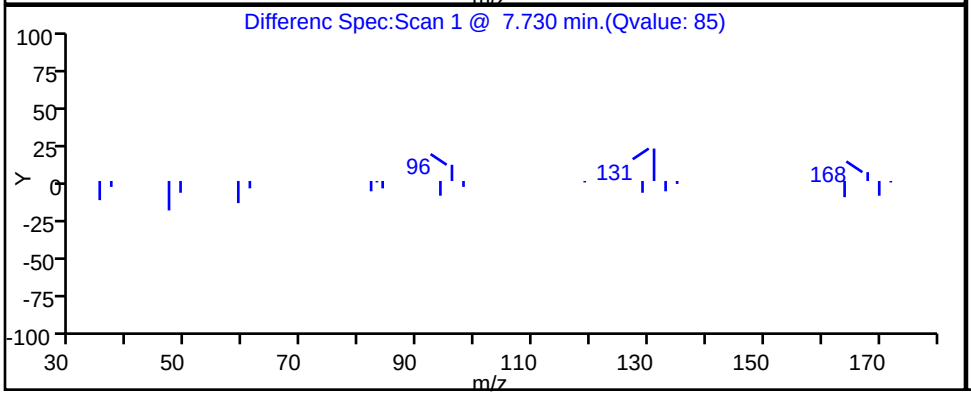










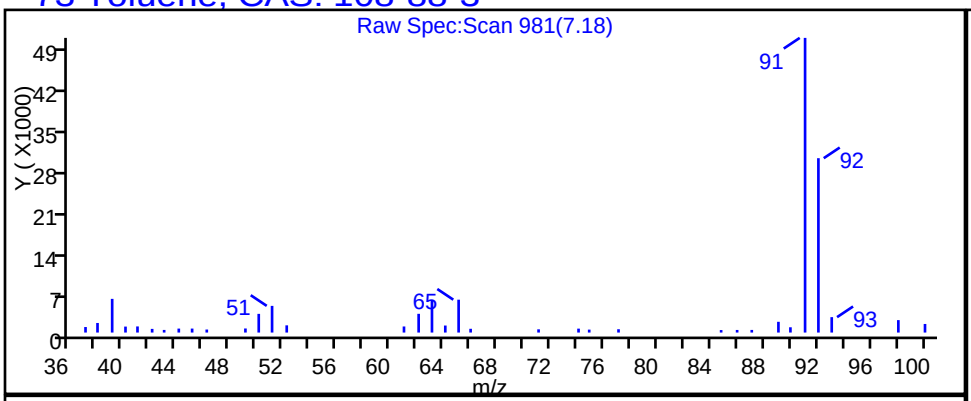


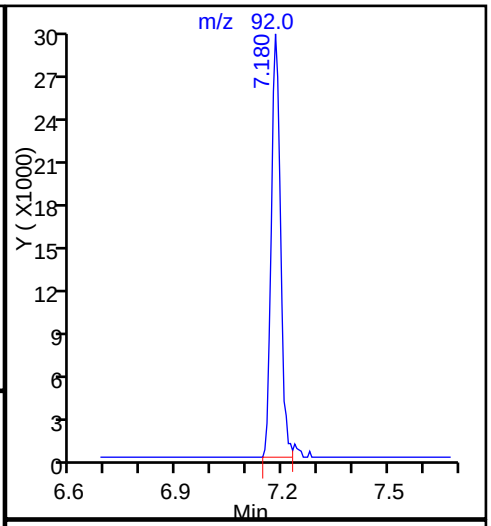
TestAmerica Buffalo

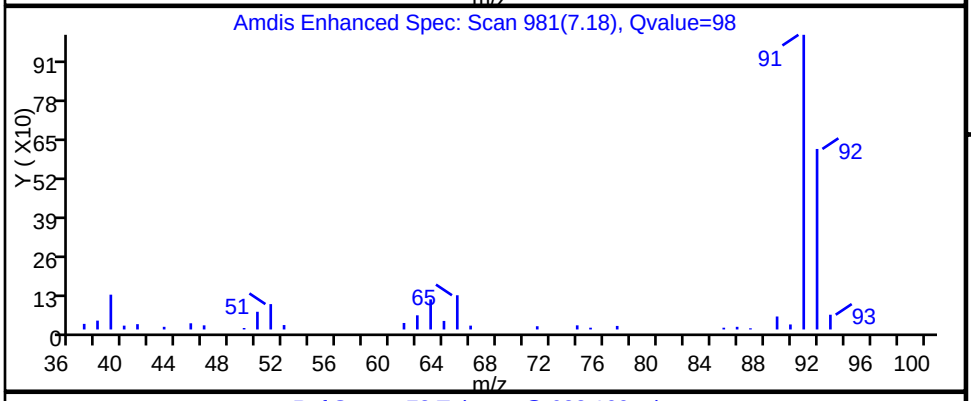
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5074.D

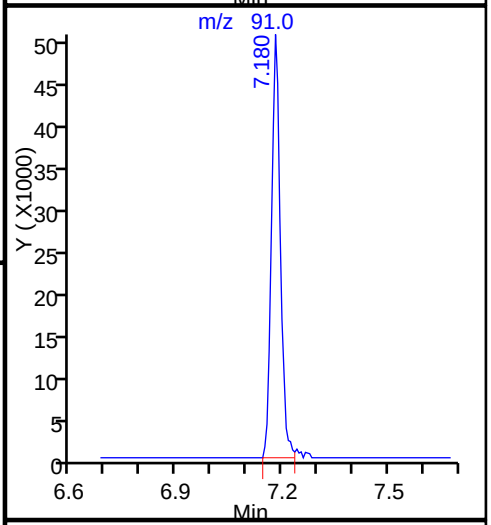
Injection Date:	01-Dec-2015 03:36:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-2-B	Lab Sample ID:	480-91710-2
Client ID:	B23-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	69 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	5.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

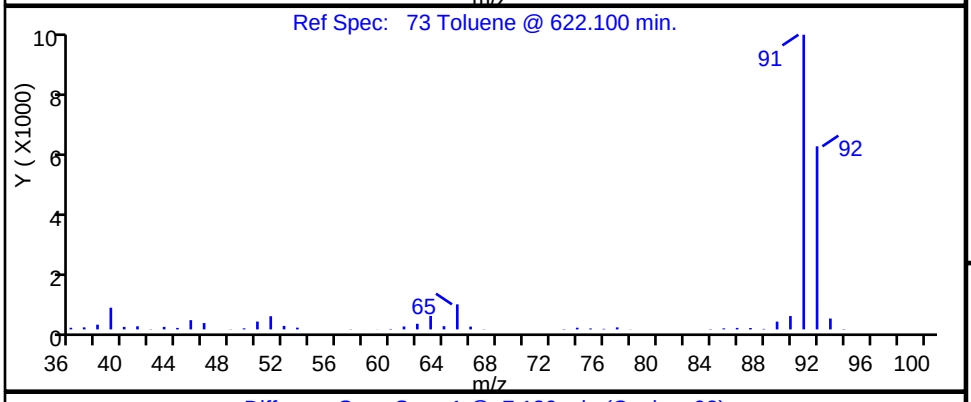
73 Toluene, CAS: 108-88-3

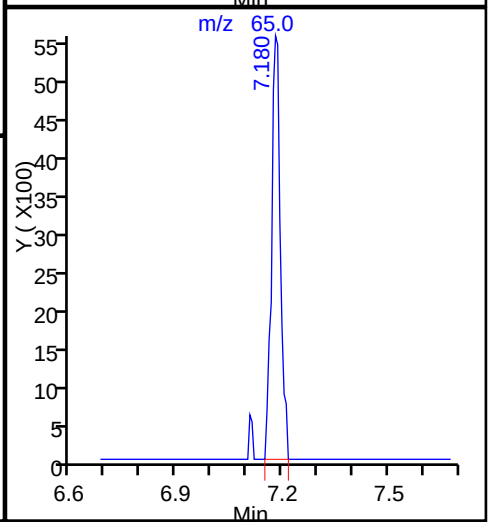


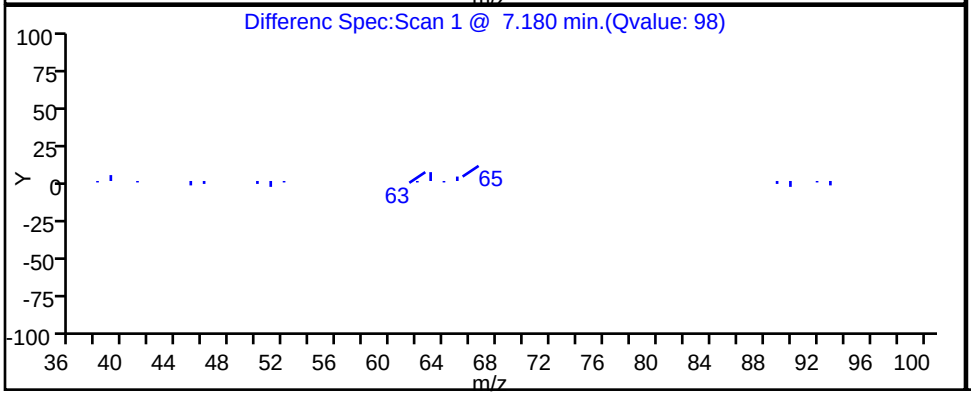










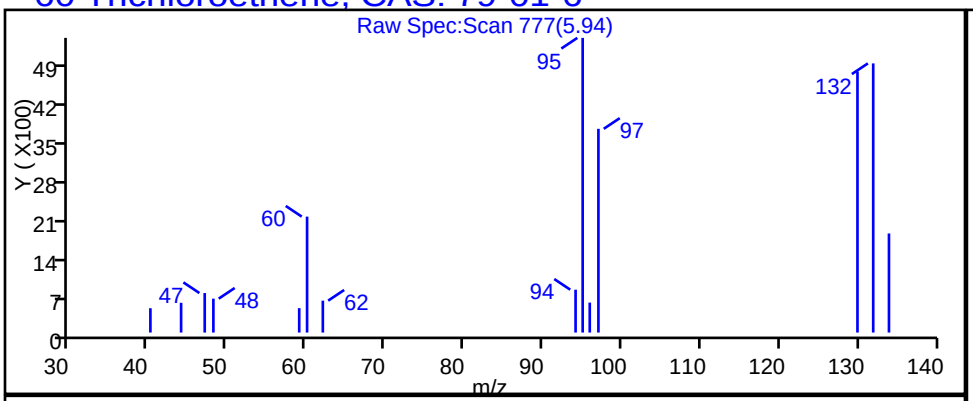


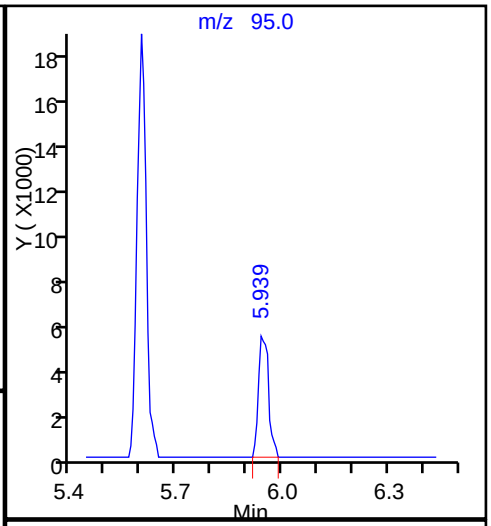
TestAmerica Buffalo

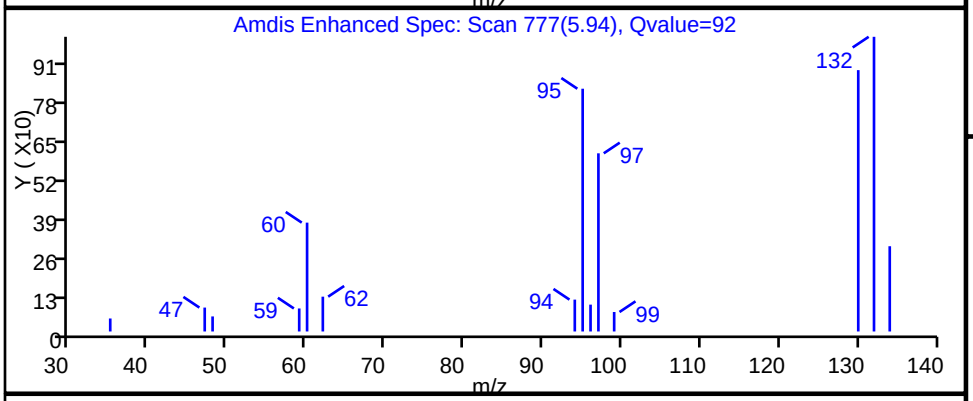
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5074.D

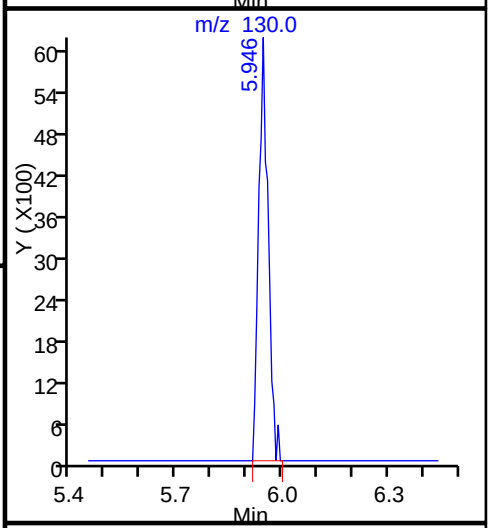
Injection Date:	01-Dec-2015 03:36:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-2-B	Lab Sample ID:	480-91710-2
Client ID:	B23-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	69 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	5.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

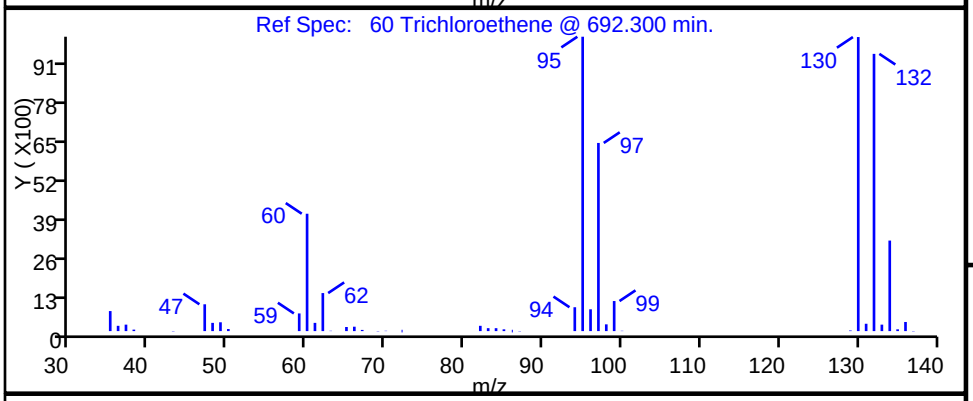
60 Trichloroethene, CAS: 79-01-6

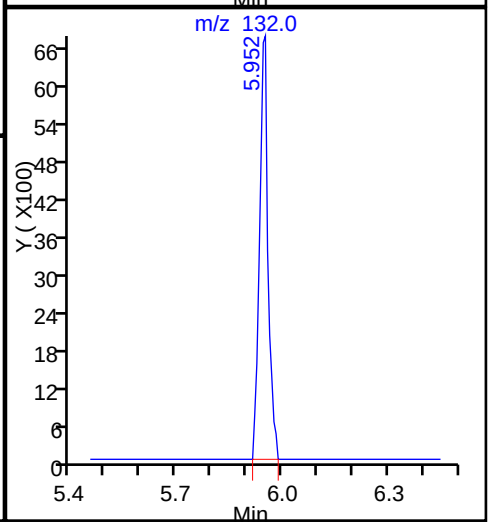


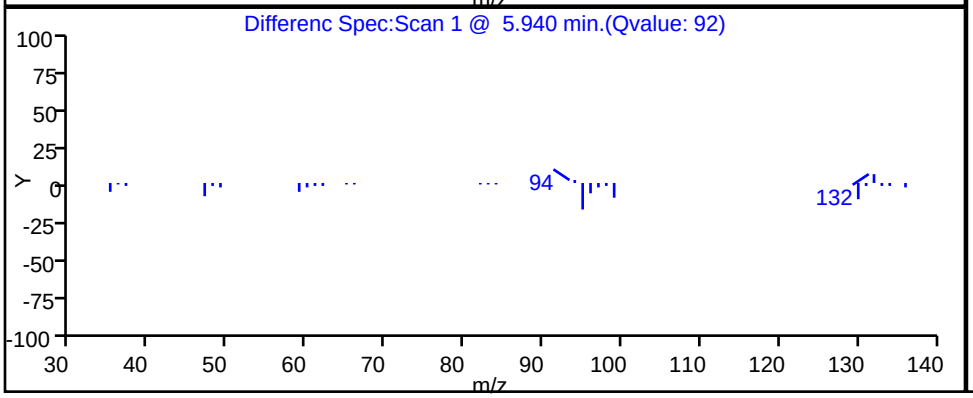












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S2 | Lab Sample ID: 480-91710-3

Matrix: Solid | Lab File ID: F2868.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:40

Sample wt/vol: 5.02(g) | Date Analyzed: 11/28/2015 02:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.1 | Level: (low/med) Low

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.7
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.41
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND	*	27	1.9
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.7
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-25-2	Bromoform	ND		5.3	2.7
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.7
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.68
110-82-7	Cyclohexane	ND		5.3	0.74
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
98-82-8	Isopropylbenzene	ND	*	5.3	0.80
79-20-9	Methyl acetate	ND		5.3	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S2 | Lab Sample ID: 480-91710-3

Matrix: Solid | Lab File ID: F2868.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:40

Sample wt/vol: 5.02(g) | Date Analyzed: 11/28/2015 02:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.1 | Level: (low/med) Low

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	ND		5.3	2.4
127-18-4	Tetrachloroethene	1.4	J	5.3	0.71
108-88-3	Toluene	ND		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.89
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
100-42-5	Styrene	ND		5.3	0.27

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		64-126
460-00-4	4-Bromofluorobenzene (Surr)	48	X	72-126
2037-26-5	Toluene-d8 (Surr)	85		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2868.D
Lims ID: 480-91710-A-3-B Lab Sample ID: 480-91710-3
Client ID: B23-AREA2-S2
Sample Type: Client
Inject. Date: 28-Nov-2015 02:04:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91710-A-3-B
Misc. Info.: 480-0048754-017
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Nov-2015 20:29:59 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: diasn Date: 29-Nov-2015 20:31:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	147403	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	241933	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	127819	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.133	0.006	0	75369	41.7	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	421659	42.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.415	0.007	86	64846	24.1	
10 Dichlorodifluoromethane	85		1.914				ND	
12 Chloromethane	50		2.066				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101				ND	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43		3.180				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.508	3.508	0.000	95	8127	1.53	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.031				ND	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96		4.476				ND	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95		5.686				ND	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.149				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166	7.341	7.341	0.000	89	5174	1.34	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.406				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.581				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

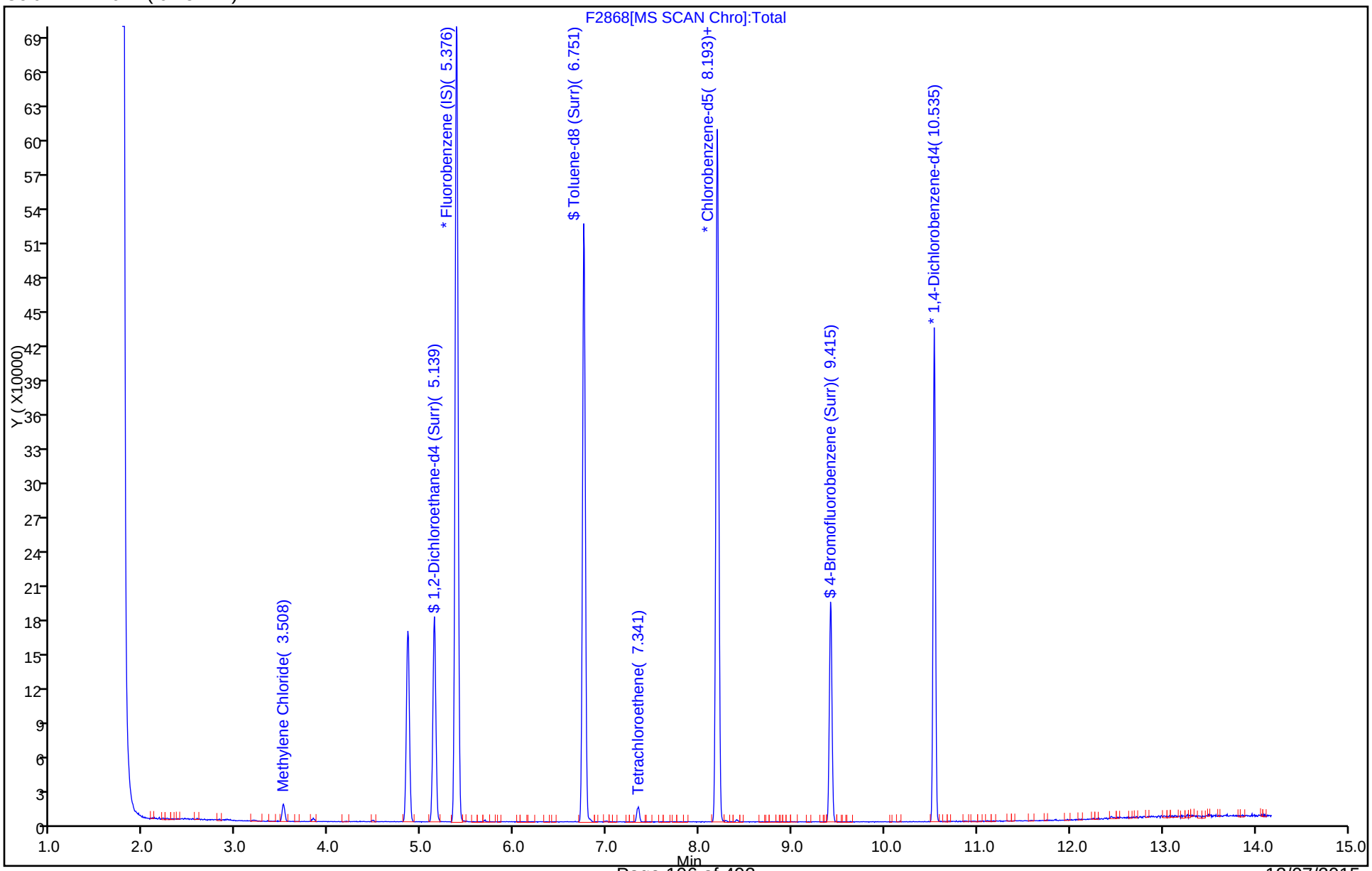
Report Date: 29-Nov-2015 20:31:21 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2868.D

Injection Date:	28-Nov-2015 02:04:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-91710-A-3-B	Lab Sample ID:	480-91710-3	Worklist Smp#:	17
Client ID:	B23-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

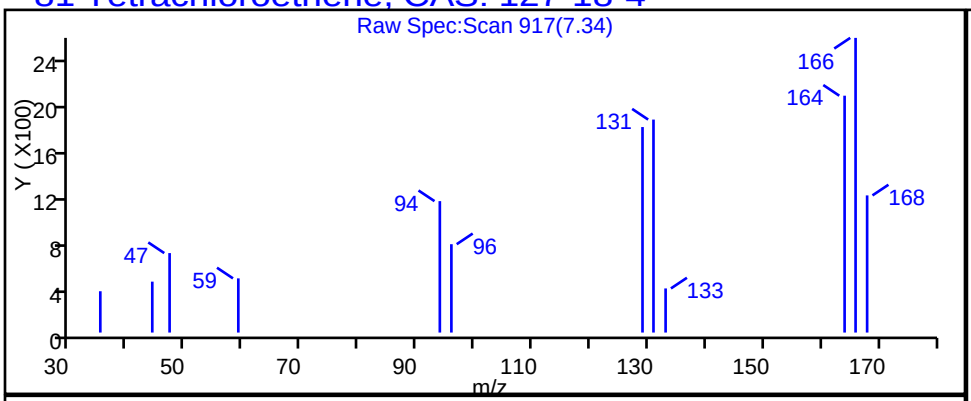
Column: ZB-624 (0.25 mm)

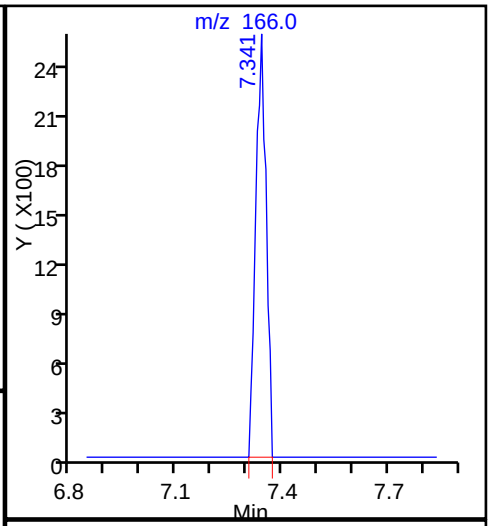


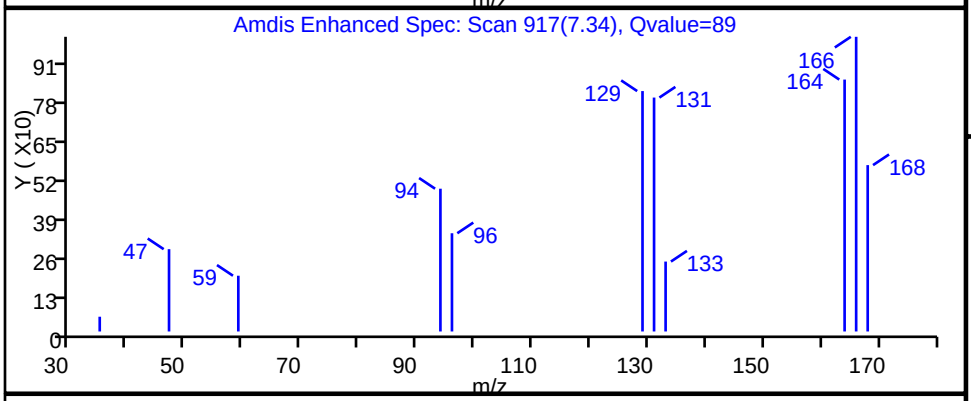
TestAmerica Buffalo

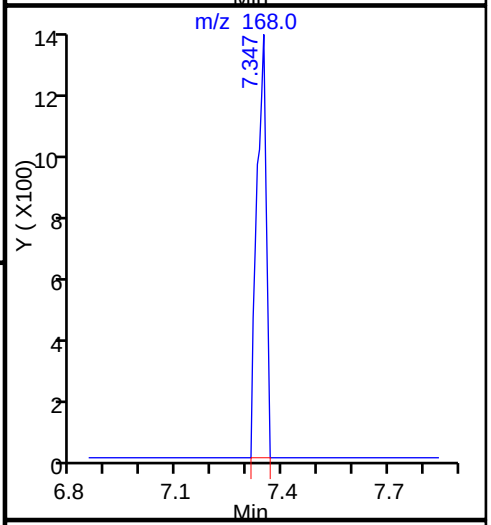
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2868.D		
Injection Date:	28-Nov-2015 02:04:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-3-B	Lab Sample ID:	480-91710-3
Client ID:	B23-AREA2-S2		
Operator ID:	NMD	ALS Bottle#:	17 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

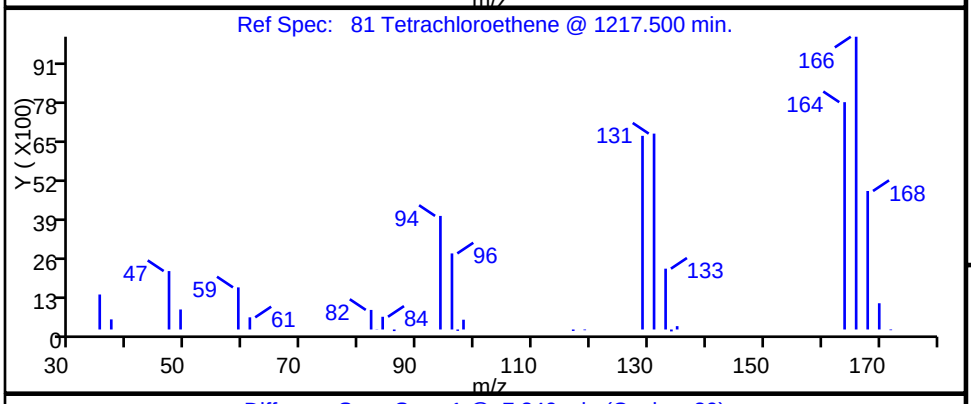
81 Tetrachloroethene, CAS: 127-18-4

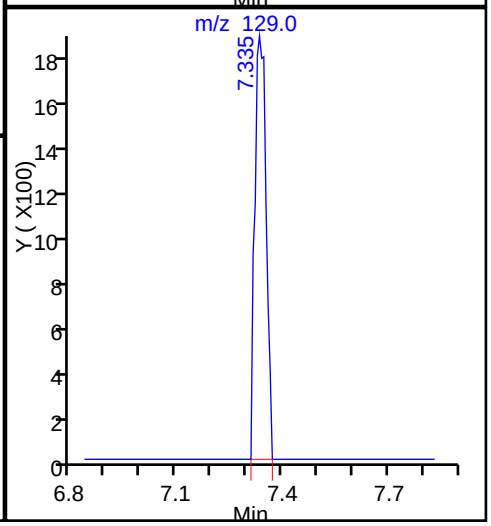


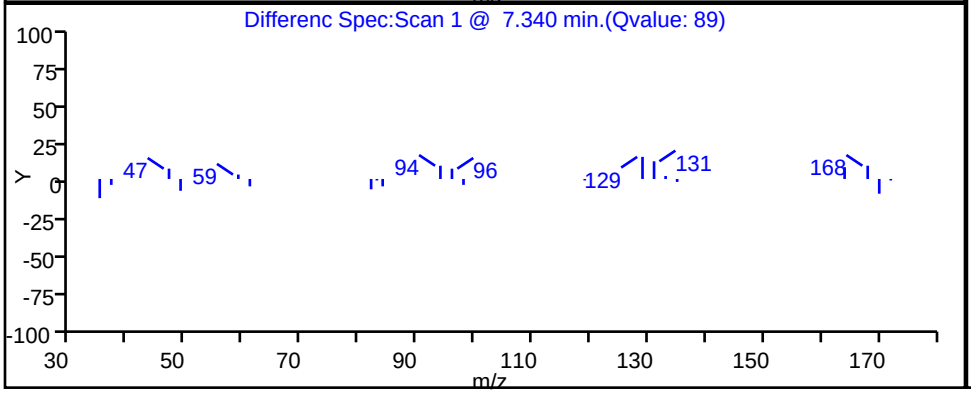












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B24-AREA2-S1 | Lab Sample ID: 480-91710-4

Matrix: Solid | Lab File ID: F2842.D

Analysis Method: 8260C | Date Collected: 11/23/2015 15:05

Sample wt/vol: 5.36(g) | Date Analyzed: 11/27/2015 14:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.1	0.37
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.1	0.82
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.8	J	5.1	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.1	0.66
75-34-3	1,1-Dichloroethane	140		5.1	0.62
75-35-4	1,1-Dichloroethene	1.0	J	5.1	0.62
120-82-1	1,2,4-Trichlorobenzene	ND		5.1	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.1	2.5
95-50-1	1,2-Dichlorobenzene	ND		5.1	0.40
107-06-2	1,2-Dichloroethane	ND		5.1	0.25
78-87-5	1,2-Dichloropropane	ND		5.1	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.1	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.1	0.71
78-93-3	2-Butanone (MEK)	ND		25	1.9
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.7
67-64-1	Acetone	4.7	J B	25	4.3
71-43-2	Benzene	ND		5.1	0.25
75-25-2	Bromoform	ND		5.1	2.5
74-83-9	Bromomethane	ND		5.1	0.46
75-15-0	Carbon disulfide	ND		5.1	2.5
56-23-5	Carbon tetrachloride	ND		5.1	0.49
108-90-7	Chlorobenzene	ND		5.1	0.67
124-48-1	Dibromochloromethane	ND		5.1	0.65
75-00-3	Chloroethane	ND		5.1	1.1
67-66-3	Chloroform	ND		5.1	0.31
74-87-3	Chloromethane	ND		5.1	0.31
156-59-2	cis-1,2-Dichloroethene	920	E	5.1	0.65
110-82-7	Cyclohexane	ND		5.1	0.71
75-27-4	Bromodichloromethane	ND		5.1	0.68
75-71-8	Dichlorodifluoromethane	ND		5.1	0.42
100-41-4	Ethylbenzene	2.5	J	5.1	0.35
106-93-4	1,2-Dibromoethane	ND		5.1	0.65
98-82-8	Isopropylbenzene	ND		5.1	0.77
79-20-9	Methyl acetate	ND		5.1	3.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B24-AREA2-S1 | Lab Sample ID: 480-91710-4

Matrix: Solid | Lab File ID: F2842.D

Analysis Method: 8260C | Date Collected: 11/23/2015 15:05

Sample wt/vol: 5.36(g) | Date Analyzed: 11/27/2015 14:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		5.1	0.50
108-87-2	Methylcyclohexane	ND		5.1	0.77
75-09-2	Methylene Chloride	2.8	J	5.1	2.3
127-18-4	Tetrachloroethene	500	E B	5.1	0.68
108-88-3	Toluene	11		5.1	0.38
156-60-5	trans-1,2-Dichloroethene	3.2	J	5.1	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.1	2.2
79-01-6	Trichloroethene	1000	E	5.1	1.1
75-69-4	Trichlorofluoromethane	ND		5.1	0.48
75-01-4	Vinyl chloride	ND		5.1	0.62
1330-20-7	Xylenes, Total	3.1	J	10	0.85
10061-01-5	cis-1,3-Dichloropropene	ND		5.1	0.73
100-42-5	Styrene	ND		5.1	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		64-126
460-00-4	4-Bromofluorobenzene (Surr)	79		72-126
2037-26-5	Toluene-d8 (Surr)	87		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D
Lims ID: 480-91710-A-4-A Lab Sample ID: 480-91710-4
Client ID: B24-AREA2-S1
Sample Type: Client
Inject. Date: 27-Nov-2015 14:19:30 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91710-A-4-A
Misc. Info.: 480-0048735-019
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 22:32:33 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: diasn Date: 27-Nov-2015 22:32:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	161624	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	313928	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	227792	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	91081	46.0	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	562797	43.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.416	0.006	87	138711	39.7	
10 Dichlorodifluoromethane	85		1.902				ND	
12 Chloromethane	50		2.054				ND	
13 Vinyl chloride	62		2.170				ND	
14 Bromomethane	94		2.456				ND	
15 Chloroethane	64		2.523				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.095	0.012	90	7864	1.73	
22 1,1-Dichloroethene	96	3.131	3.119	0.012	94	4636	0.9837	
23 Acetone	43	3.192	3.174	0.018	99	8045	4.65	
26 Carbon disulfide	76	3.338	3.332	0.006	99	29497	1.94	
27 Methyl acetate	43		3.393				ND	
30 Methylene Chloride	84	3.514	3.508	0.006	97	16206	2.78	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	98	16257	3.16	
39 1,1-Dichloroethane	63	4.032	4.026	0.006	97	1259340	136.1	
43 2-Butanone (MEK)	43		4.464				ND	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	81	5014425	909.1	E
50 Chloroform	83		4.713				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.200				ND	
62 Trichloroethene	95	5.686	5.680	0.006	97	5175040	1015.4	E
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.143				ND	
72 cis-1,3-Dichloropropene	75		6.520				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92	6.818	6.818	0.000	98	133676	10.7	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.238				ND	
81 Tetrachloroethene	166	7.341	7.335	0.006	94	2456305	490.8	E
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91	8.290	8.290	0.000	98	55864	2.48	
90 m-Xylene & p-Xylene	106	8.406	8.400	0.006	99	29207	3.01	
91 o-Xylene	106	8.838	8.832	0.006	93	4344	0.4976	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.136				ND	
94 Isopropylbenzene	105		9.203				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.474				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.581				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1				0		3.51	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

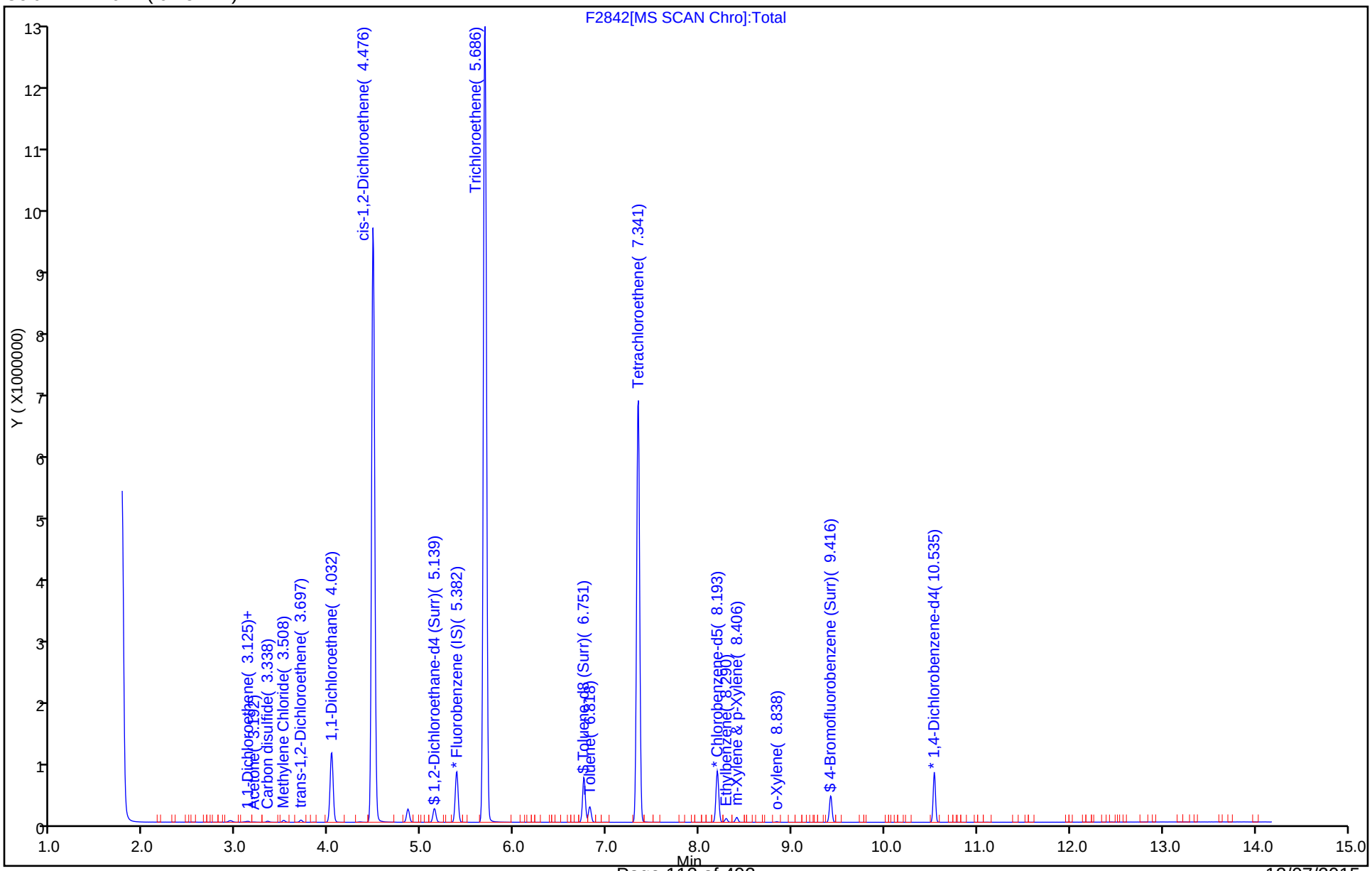
Report Date: 27-Nov-2015 22:32:34 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D

Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4	Worklist Smp#:	19
Client ID:	B24-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

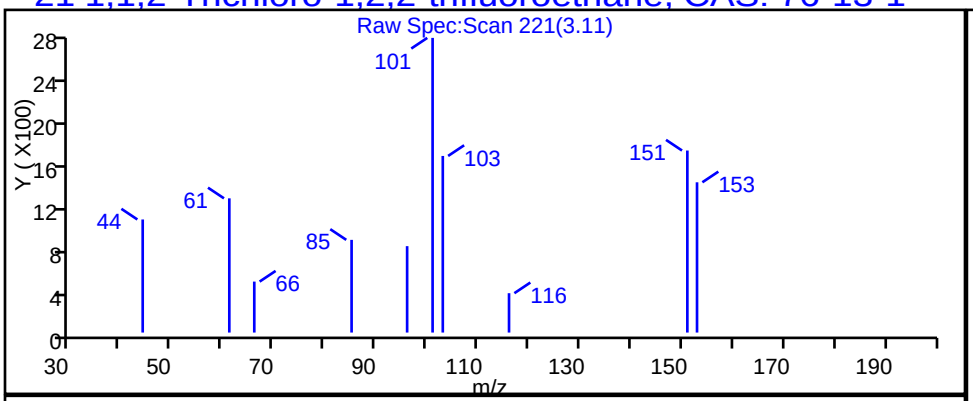


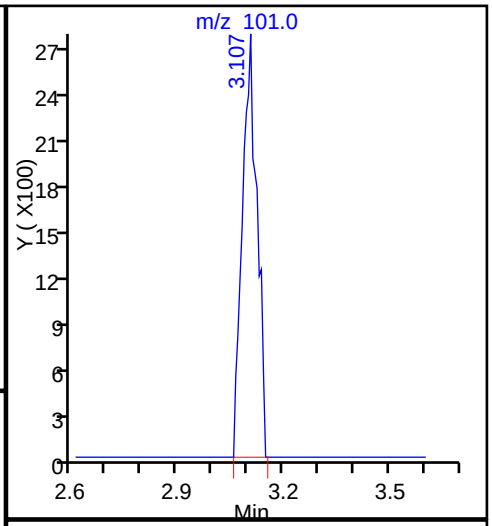
TestAmerica Buffalo

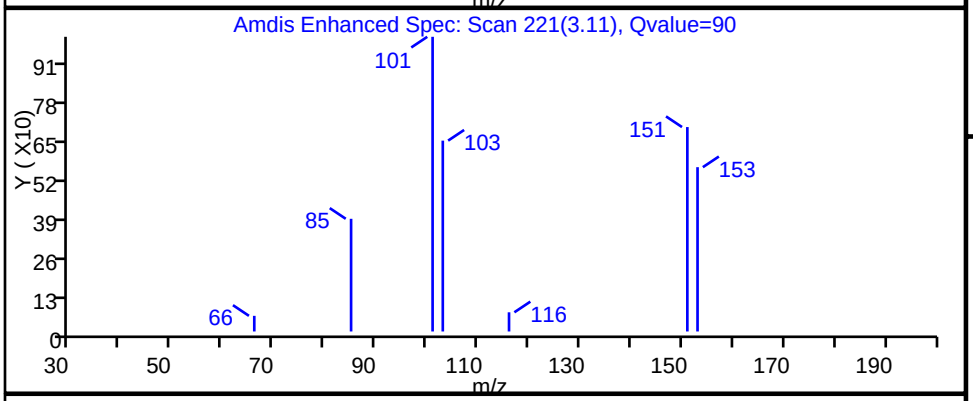
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D

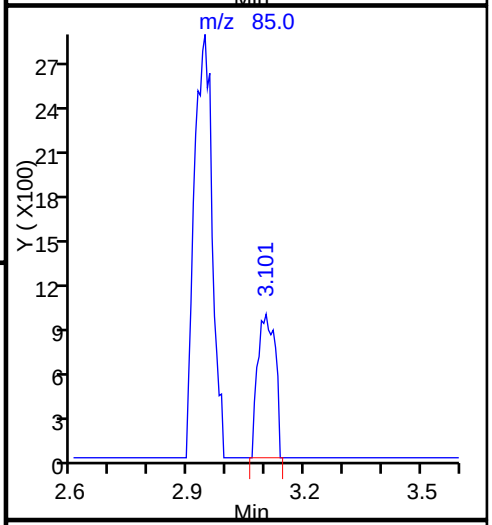
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4		
Client ID:	B24-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

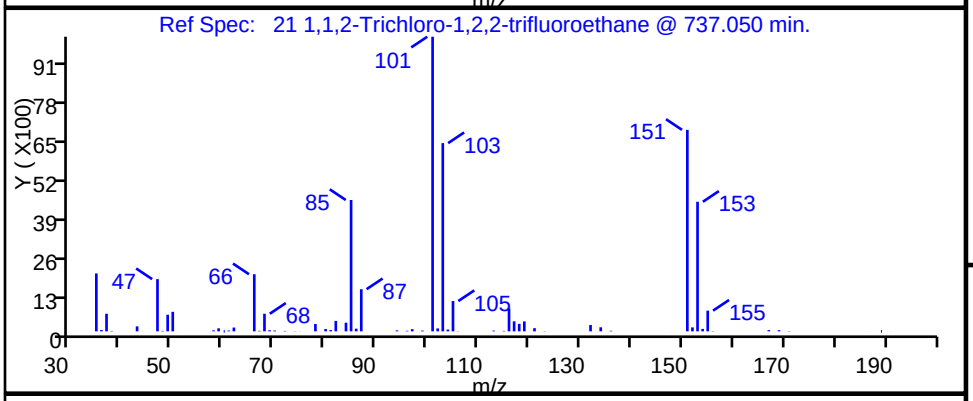
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

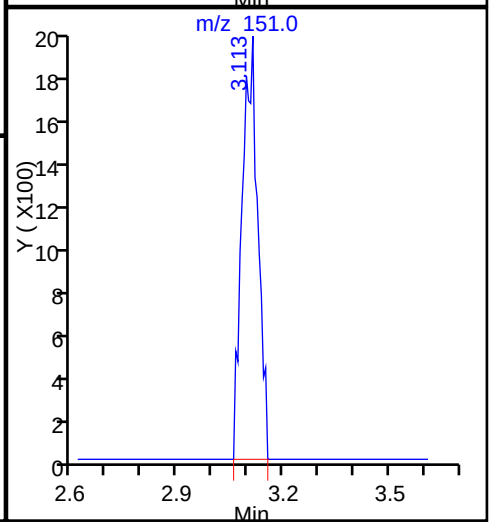


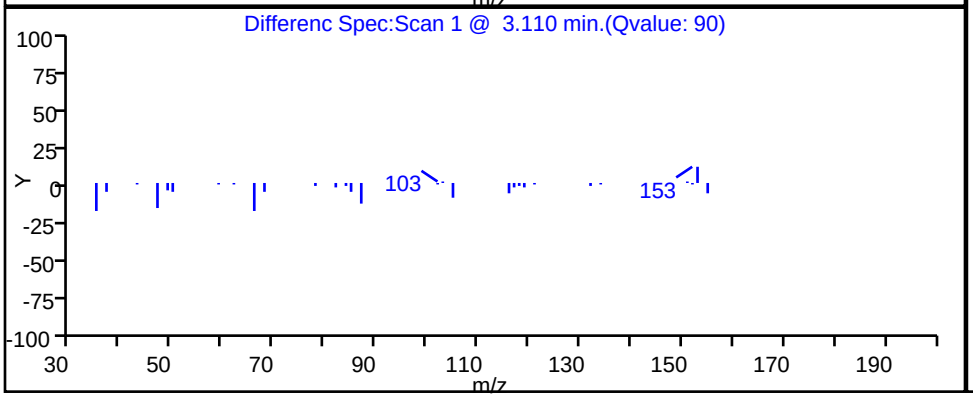










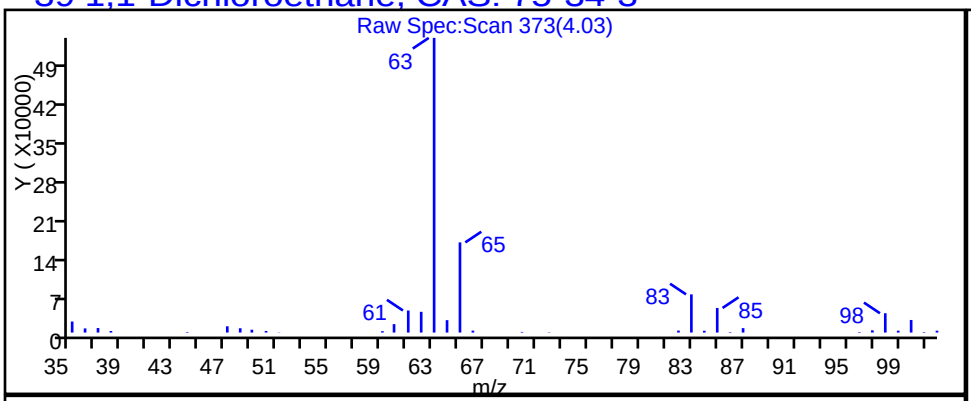


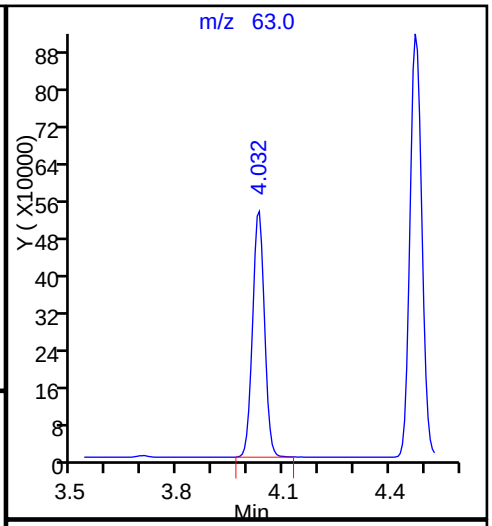
TestAmerica Buffalo

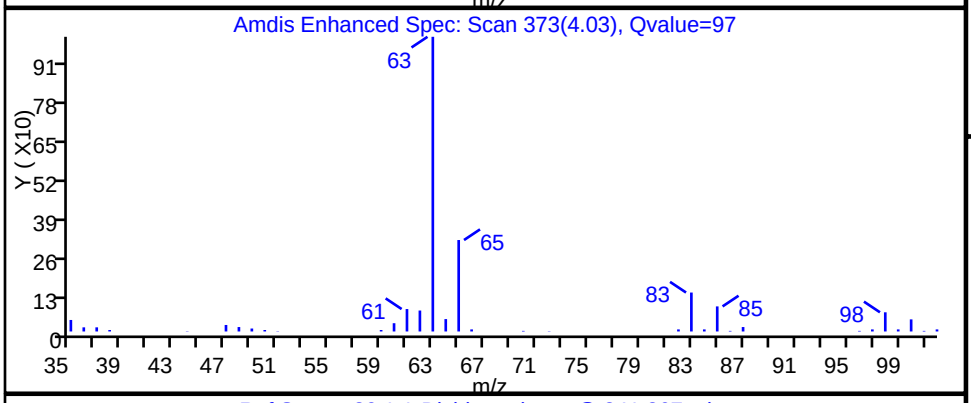
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D

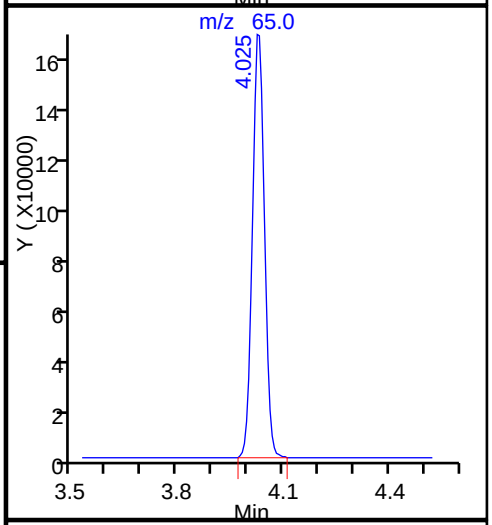
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	11 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

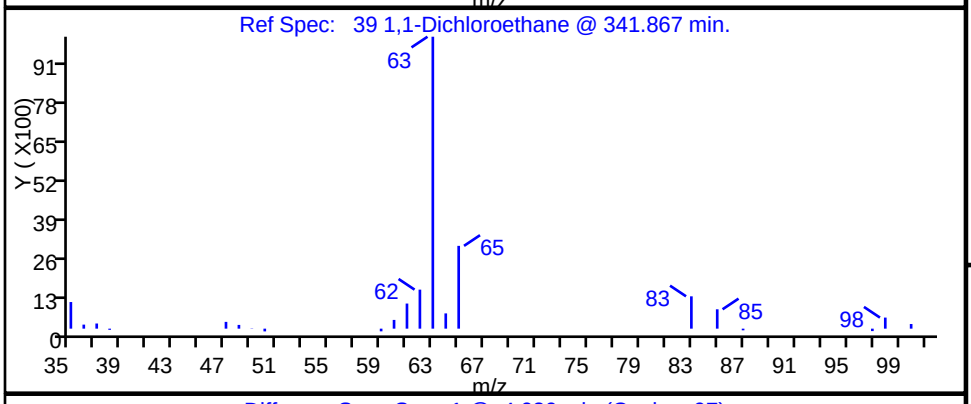
39 1,1-Dichloroethane, CAS: 75-34-3

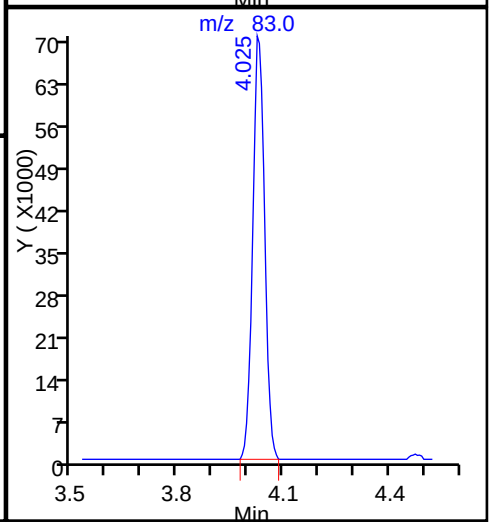


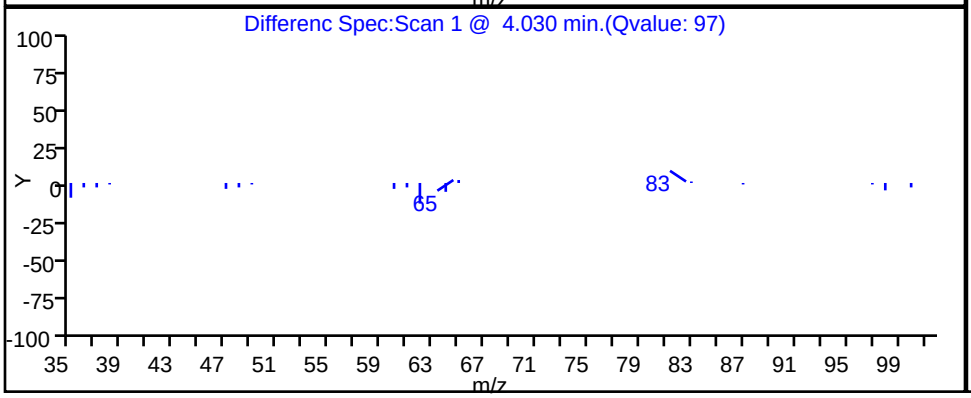








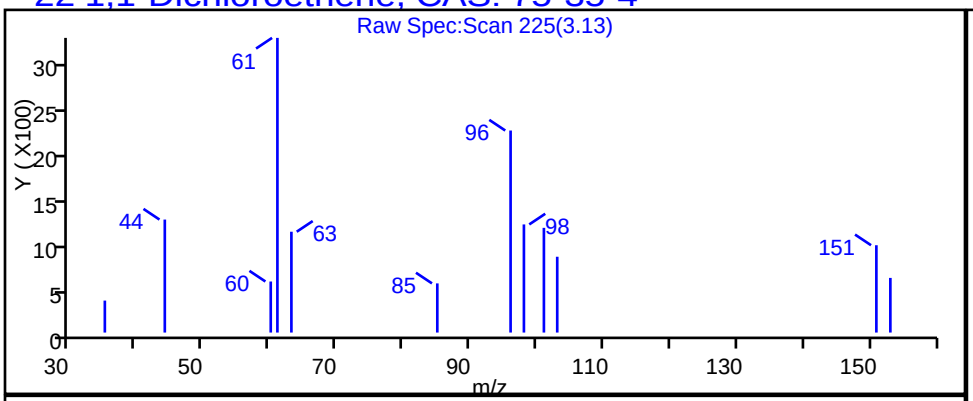


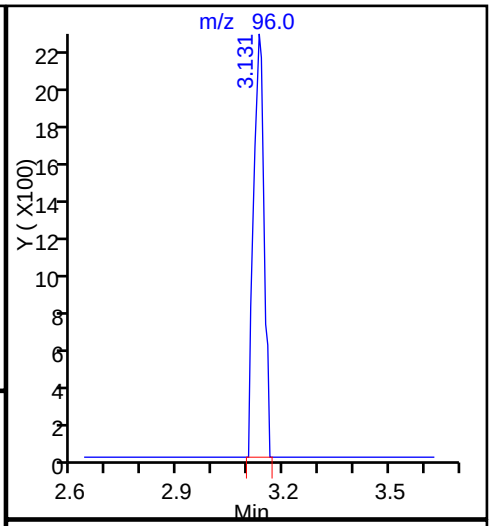


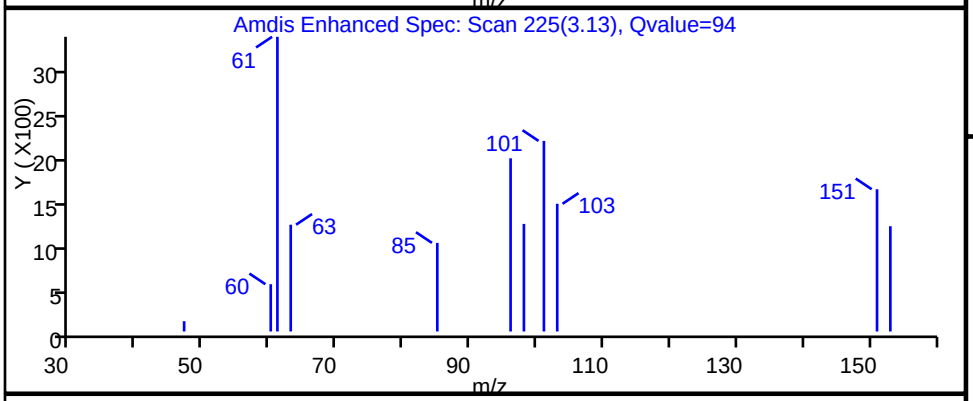
TestAmerica Buffalo

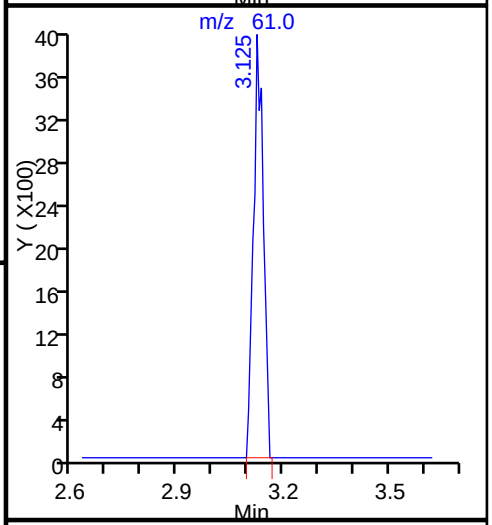
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D		
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	11 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

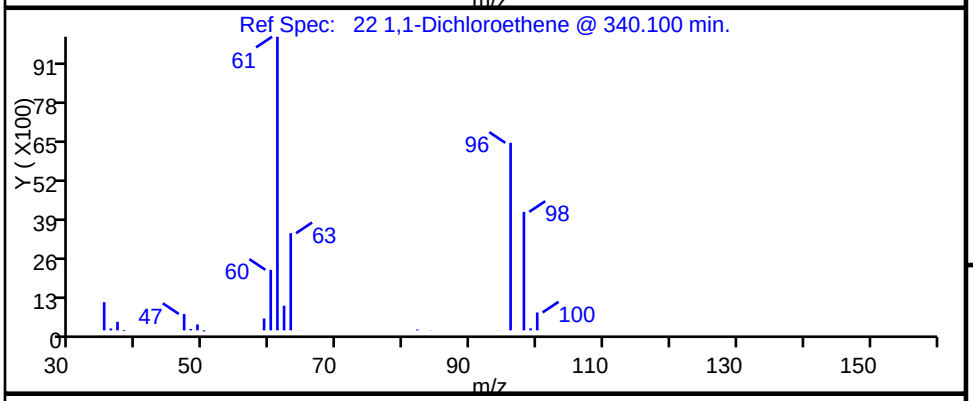
22 1,1-Dichloroethene, CAS: 75-35-4

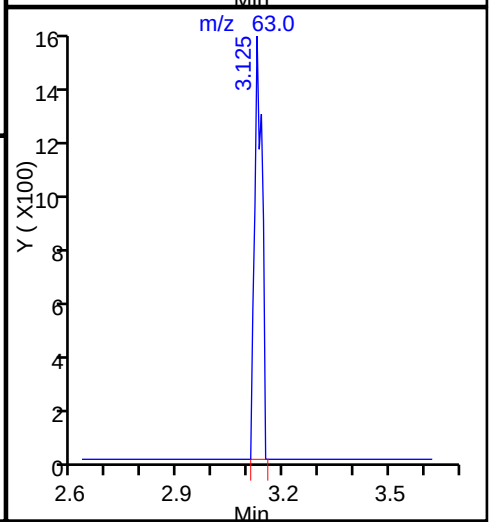


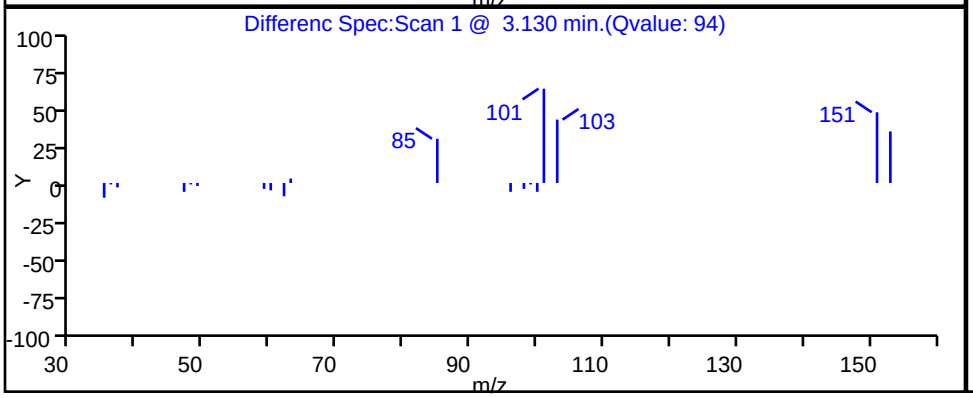










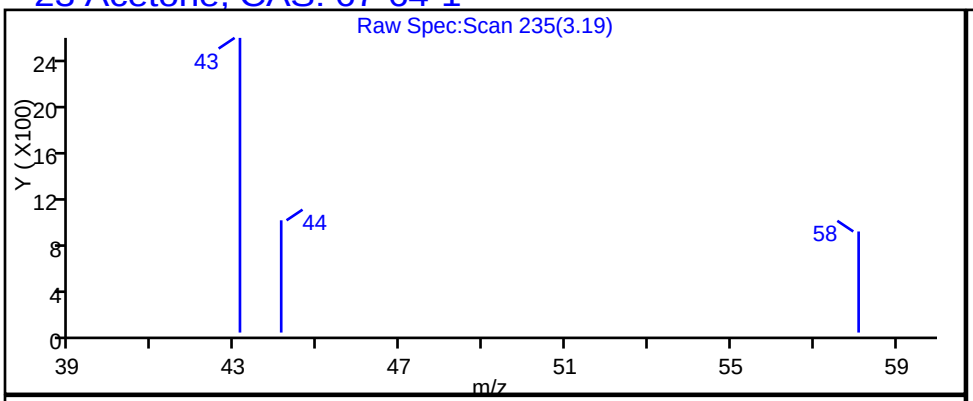


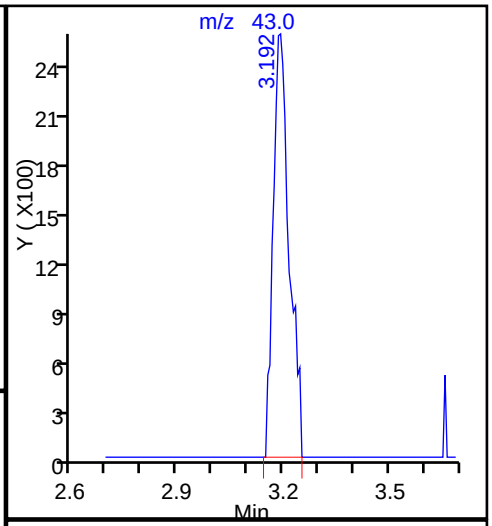
TestAmerica Buffalo

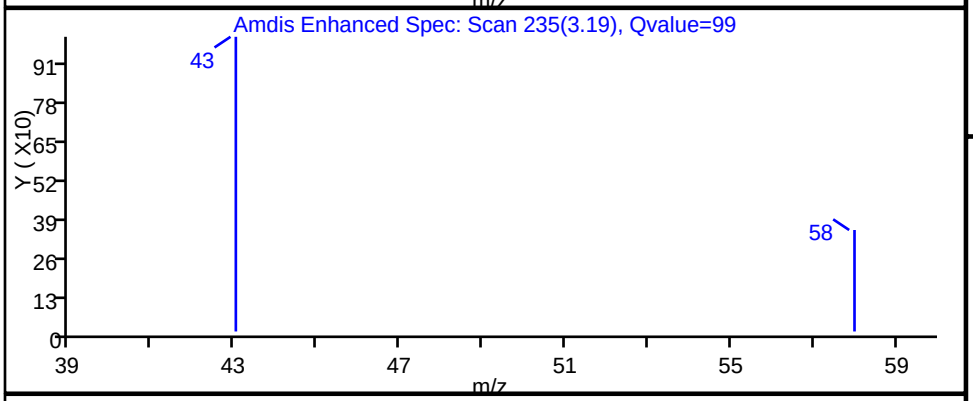
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D

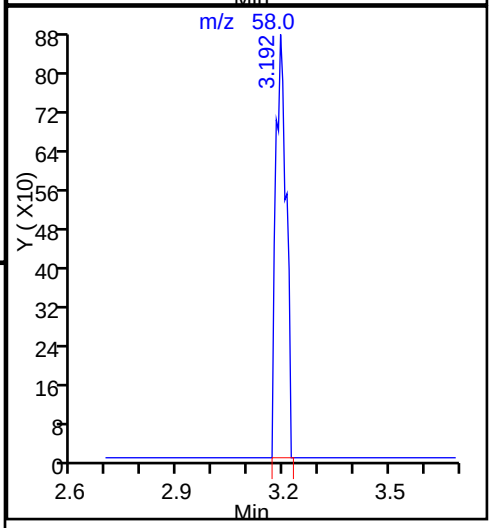
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	11 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

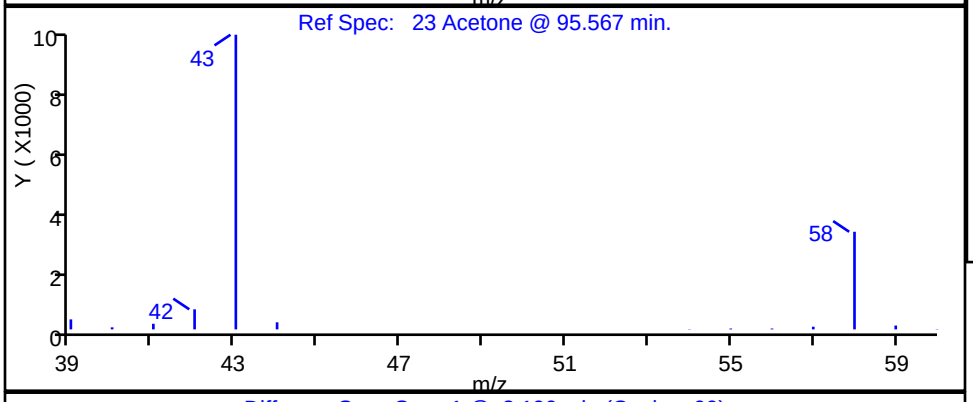
23 Acetone, CAS: 67-64-1

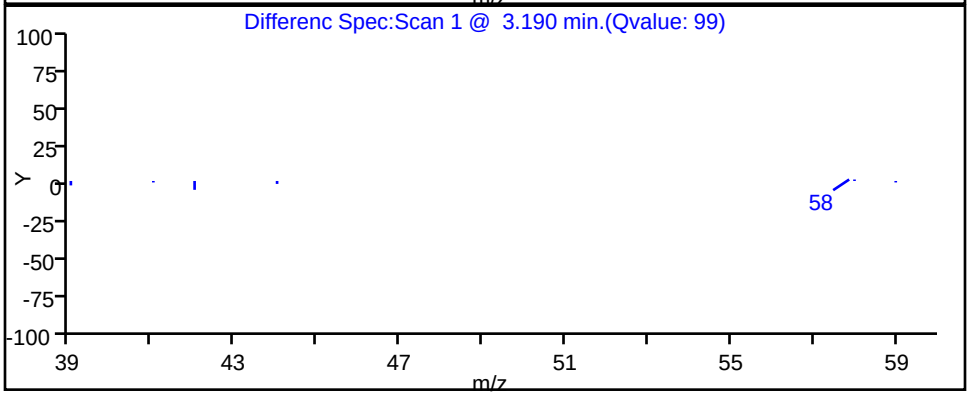








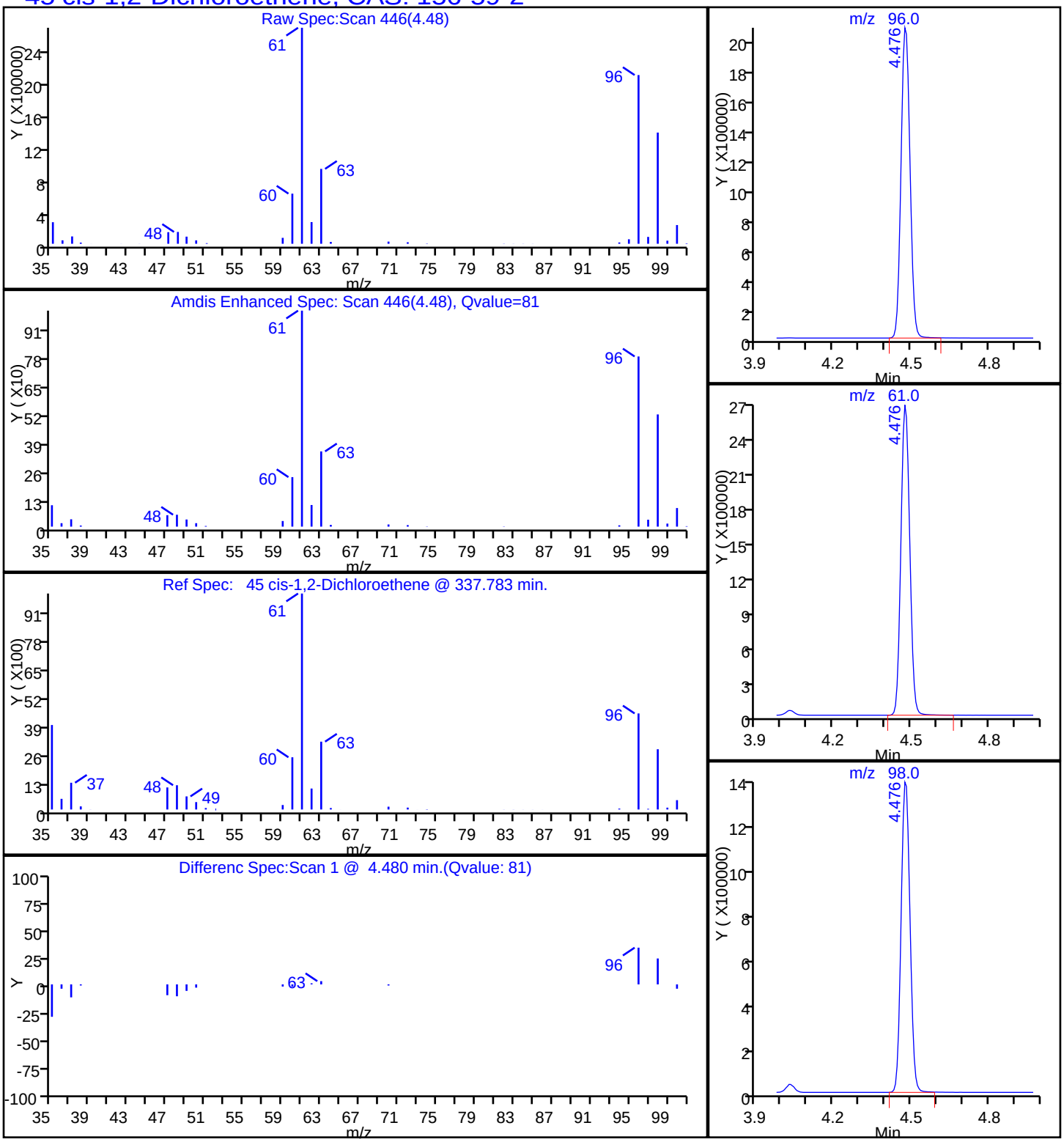




TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D				
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4		
Client ID:	B24-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

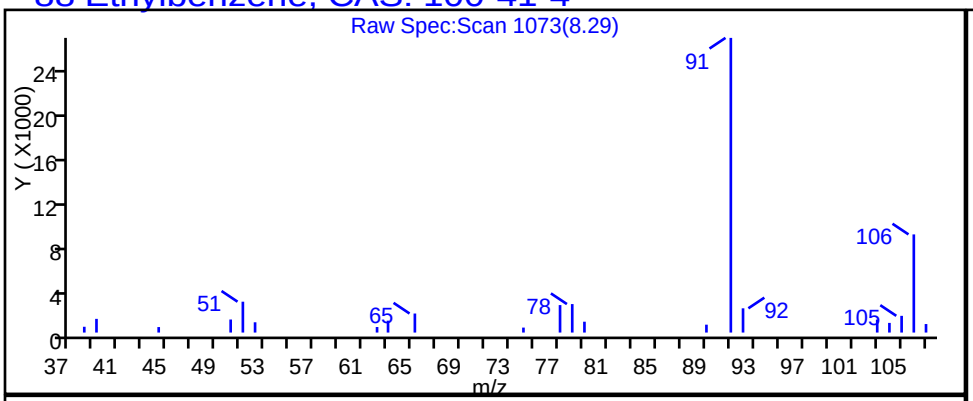


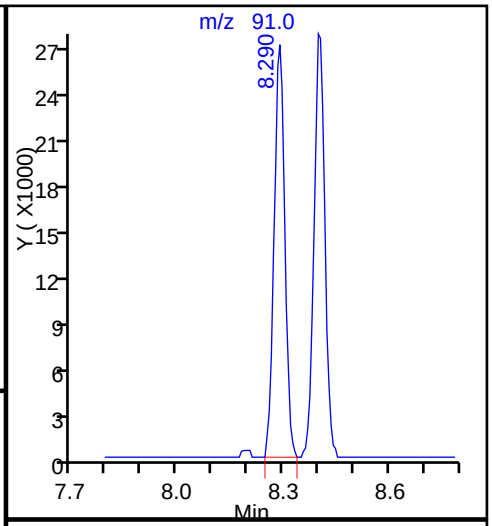
TestAmerica Buffalo

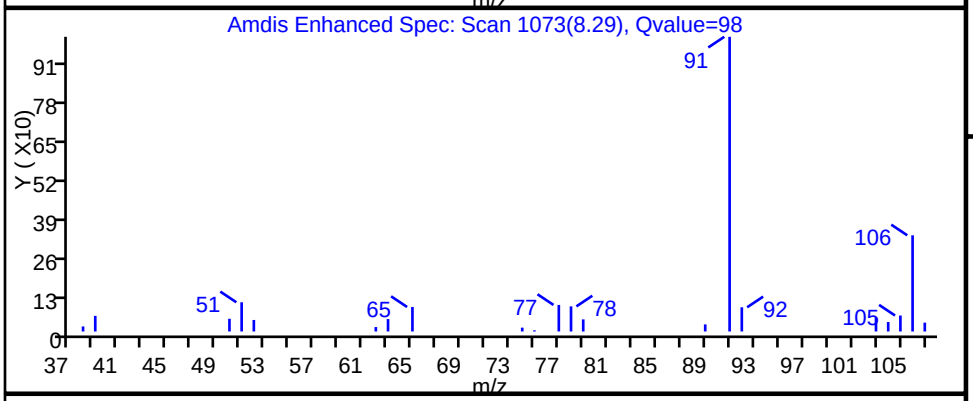
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D

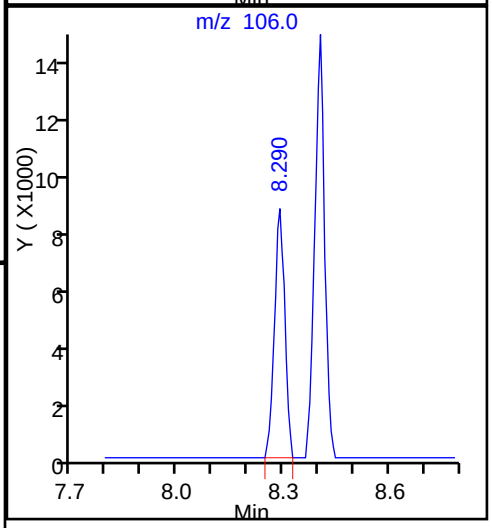
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	11 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

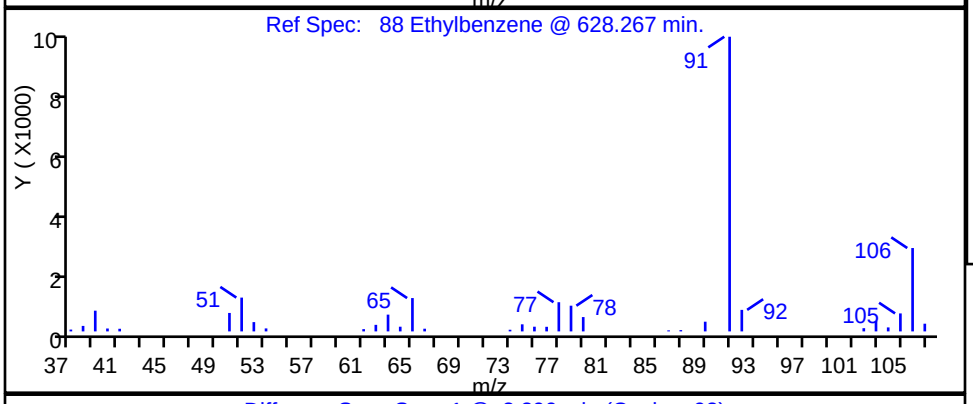
88 Ethylbenzene, CAS: 100-41-4

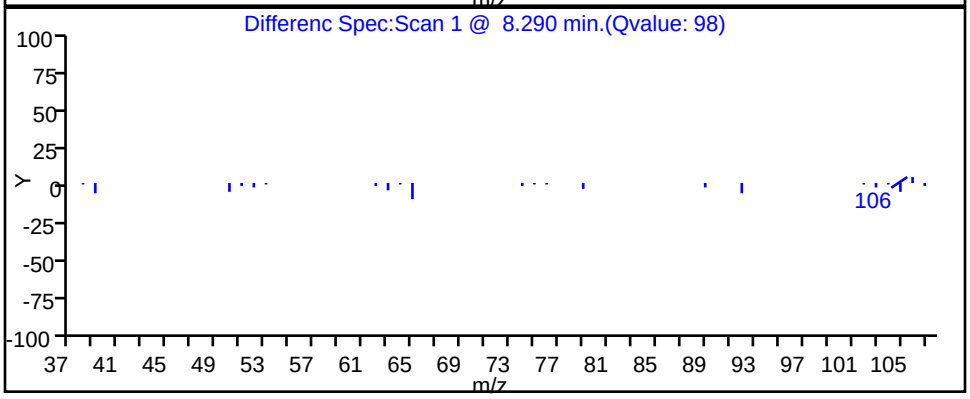








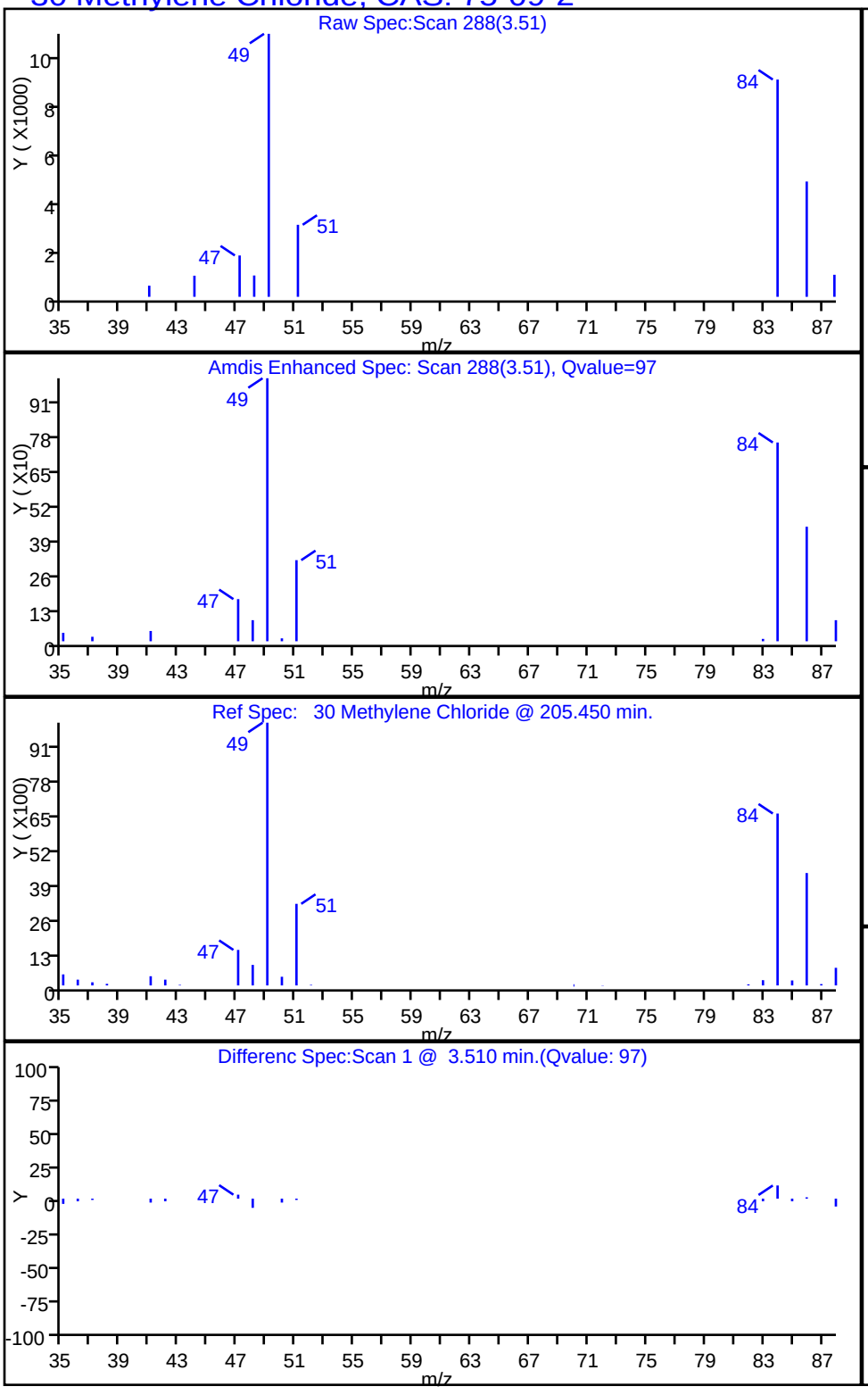


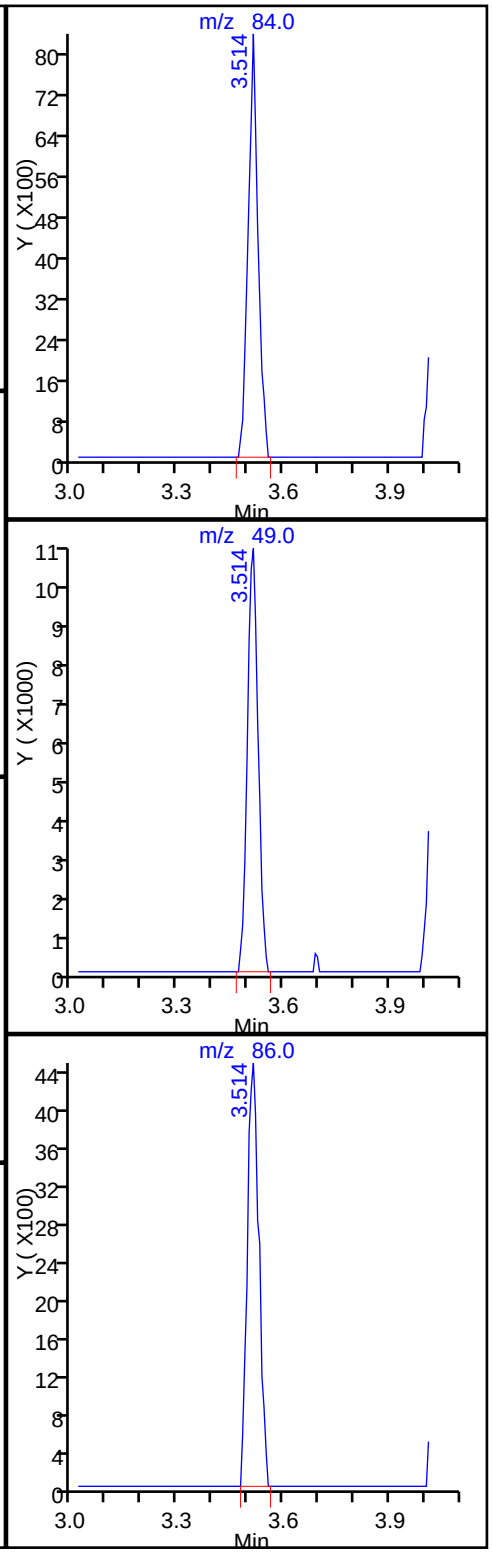


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D		
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	11 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

30 Methylene Chloride, CAS: 75-09-2

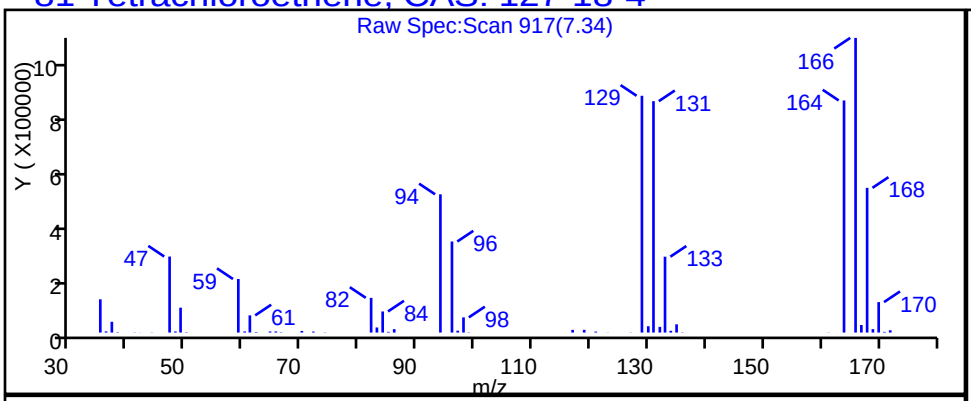


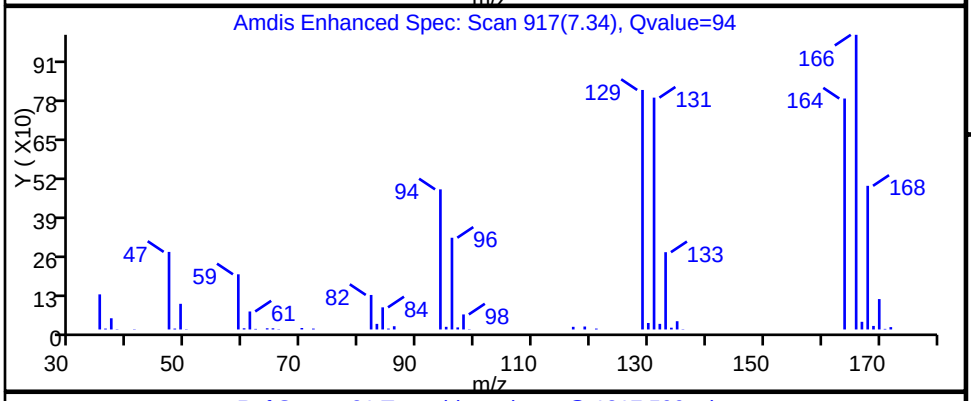


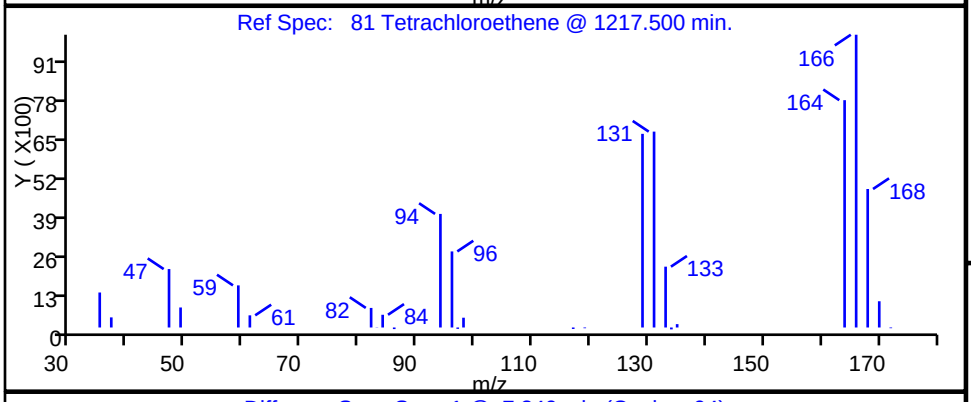
TestAmerica Buffalo

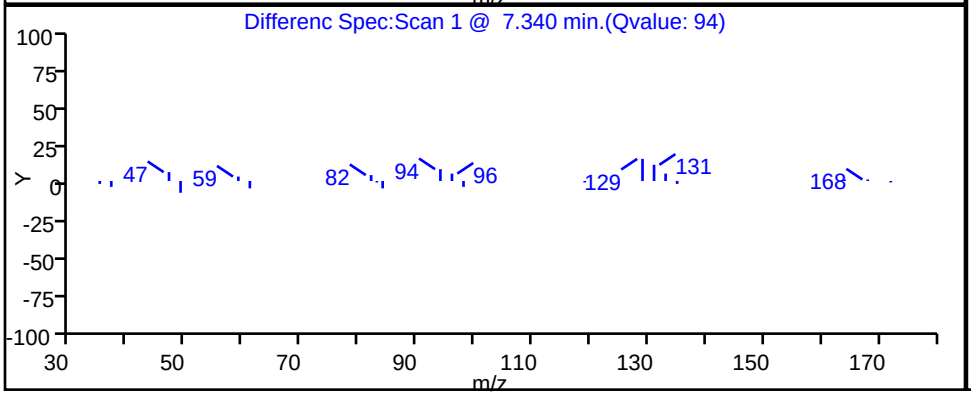
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D
Injection Date: 27-Nov-2015 14:19:30 Instrument ID: HP5973F
Lims ID: 480-91710-A-4-A Lab Sample ID: 480-91710-4
Client ID: B24-AREA2-S1
Operator ID: CDC ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

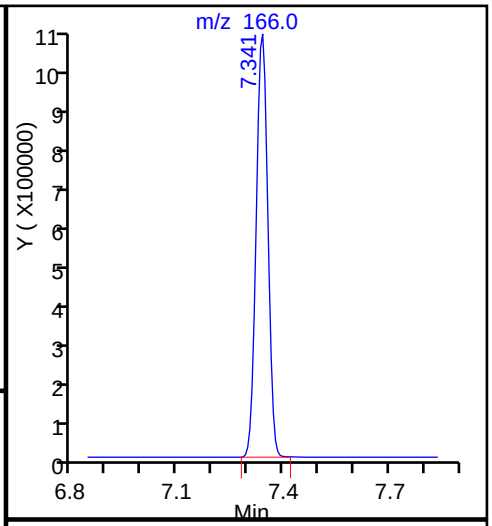
81 Tetrachloroethene, CAS: 127-18-4

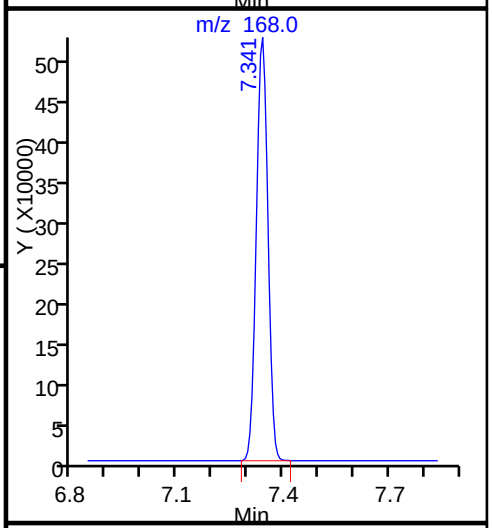


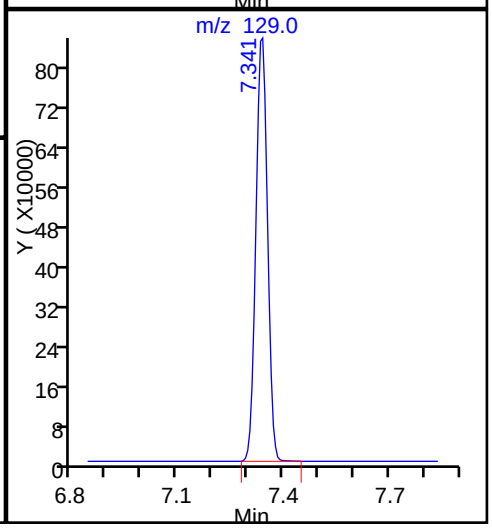








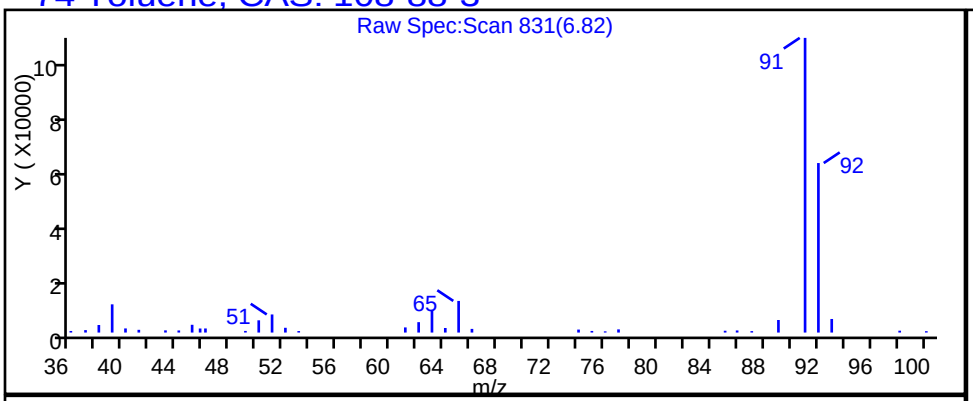


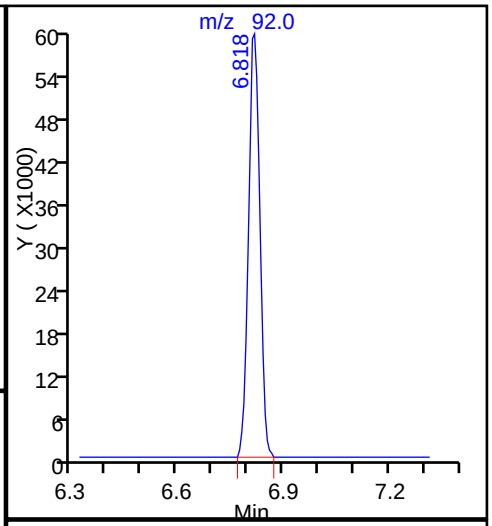


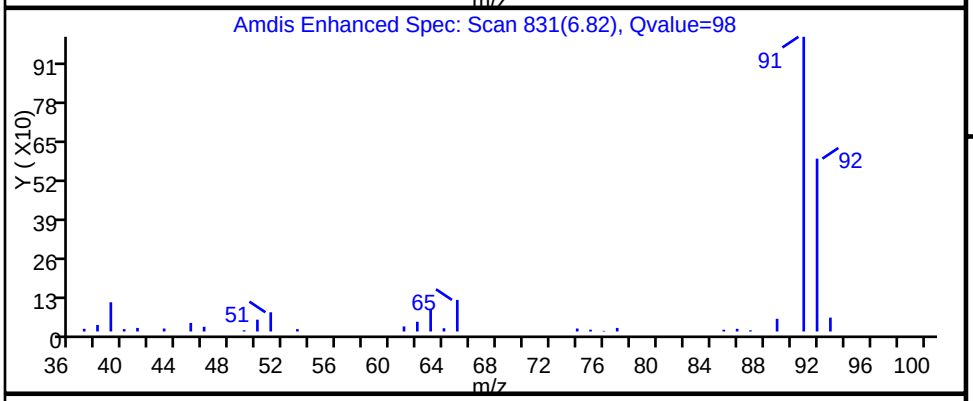
TestAmerica Buffalo

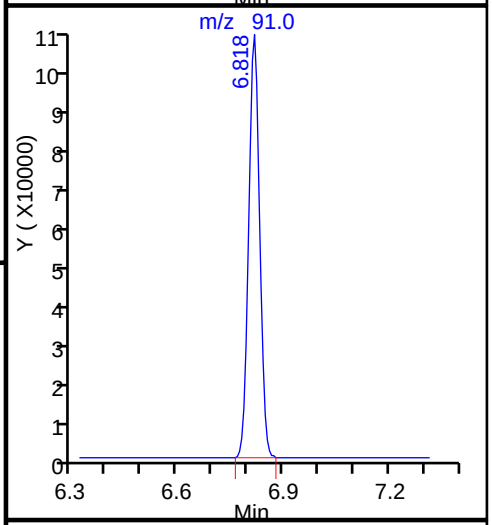
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D		
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	11 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

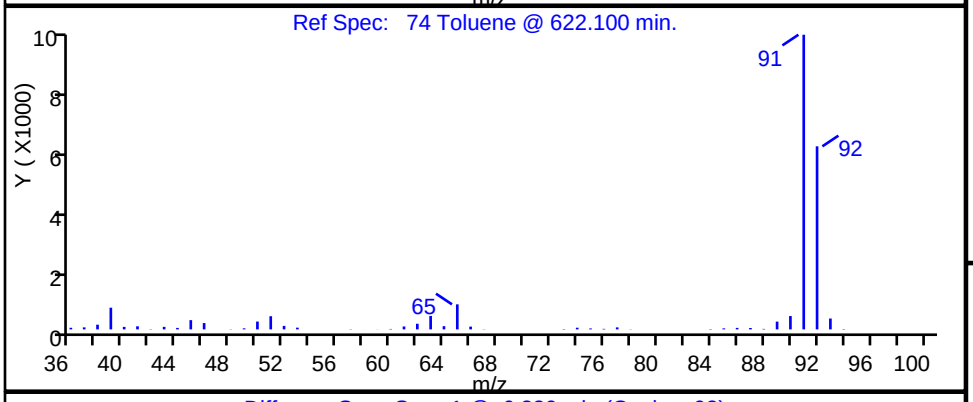
74 Toluene, CAS: 108-88-3

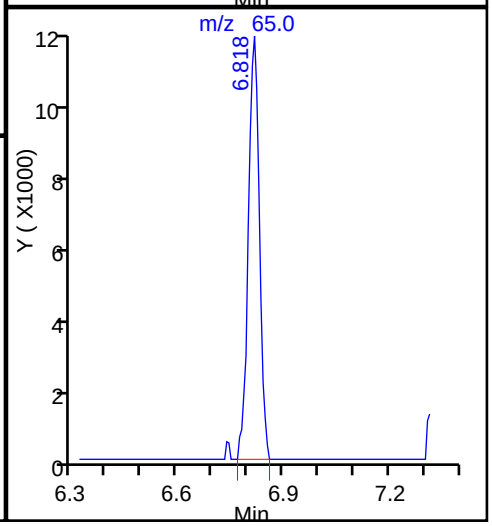


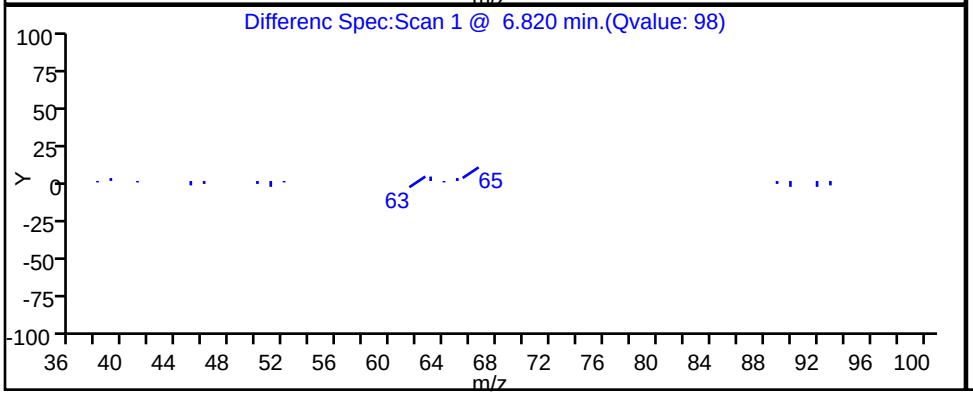








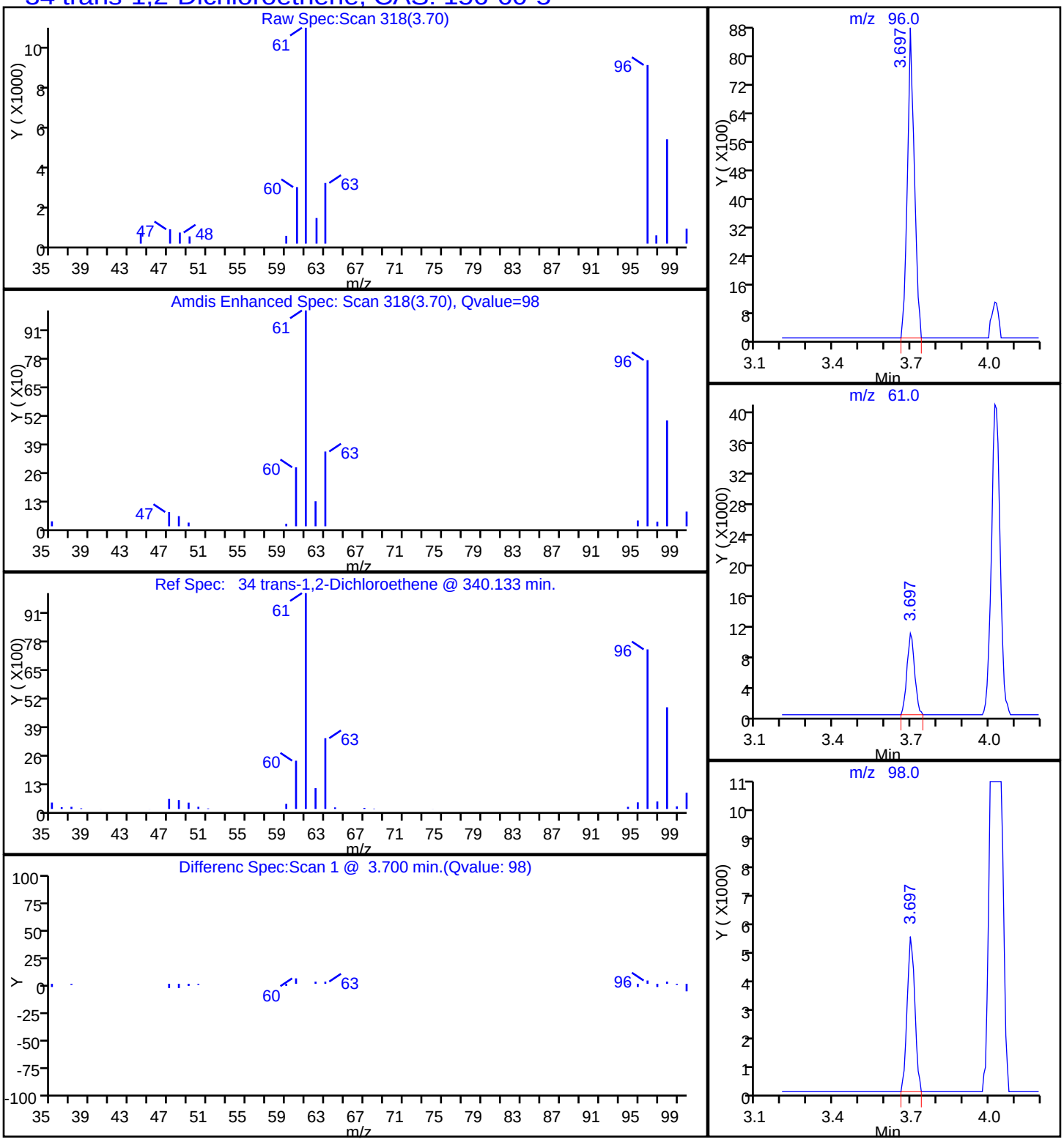




TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D				
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4		
Client ID:	B24-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

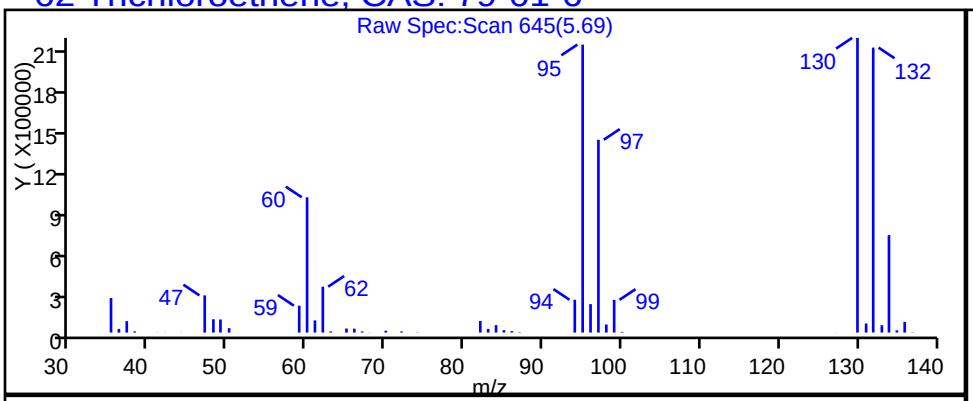


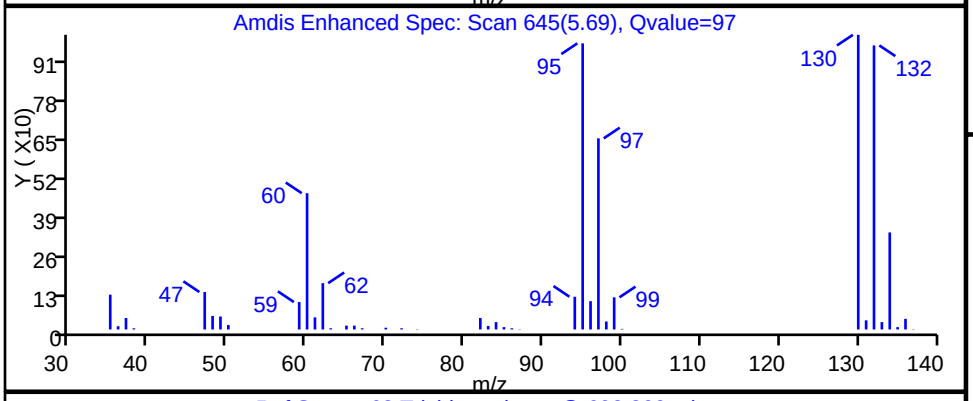
TestAmerica Buffalo

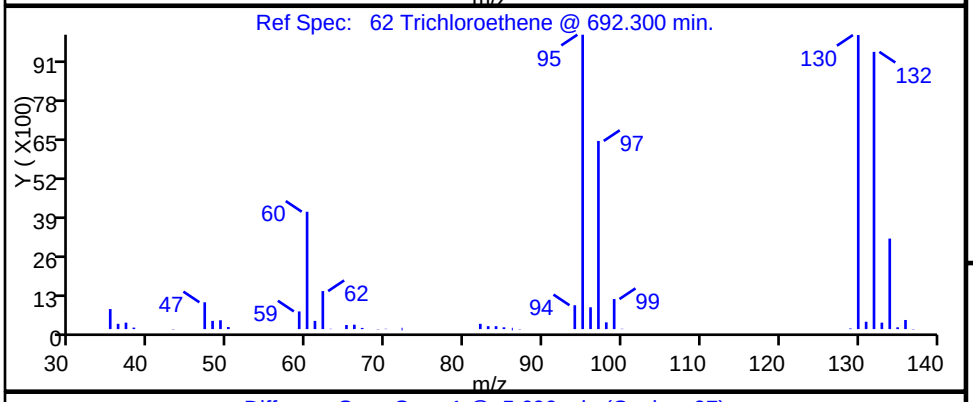
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D

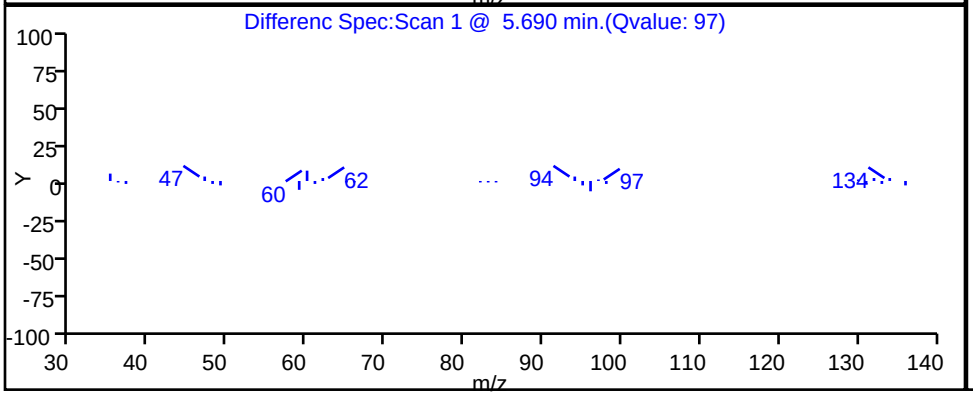
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	11 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

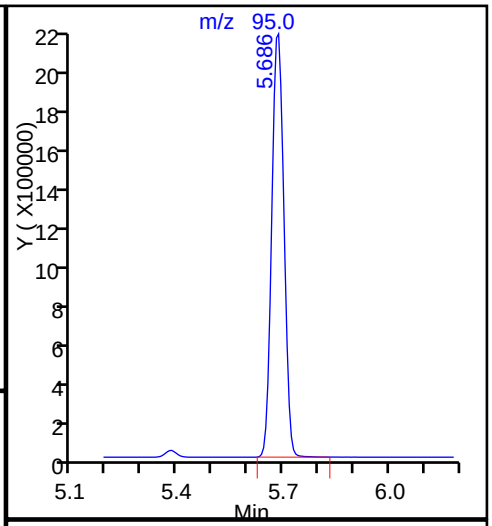
62 Trichloroethene, CAS: 79-01-6

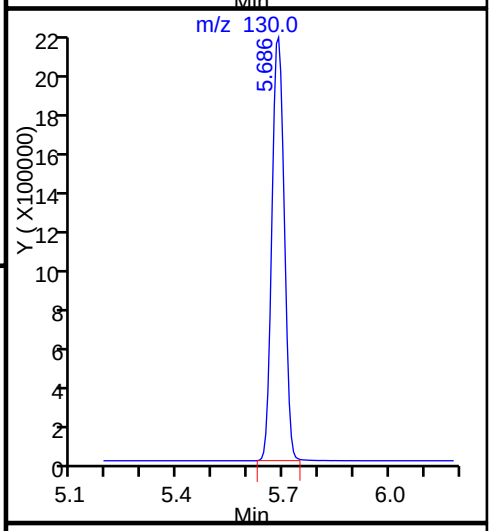


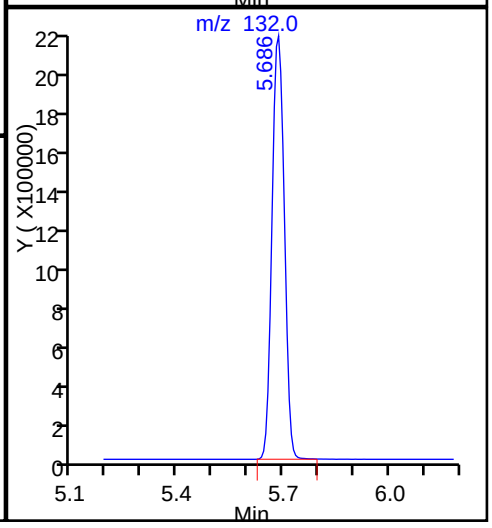








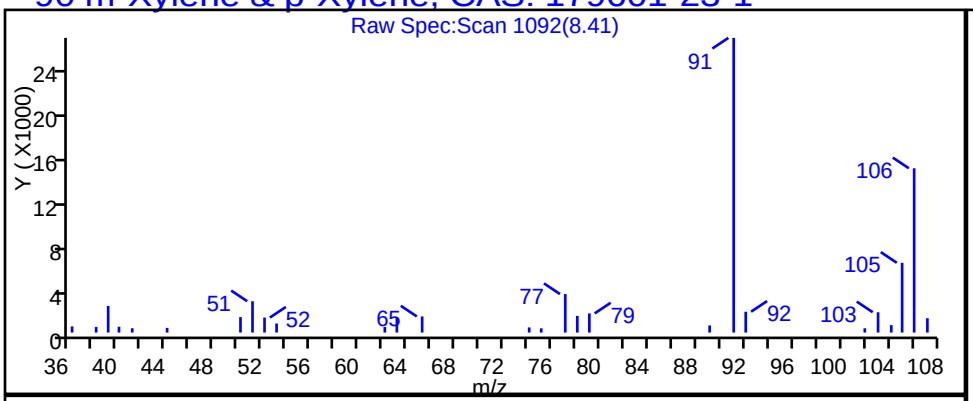


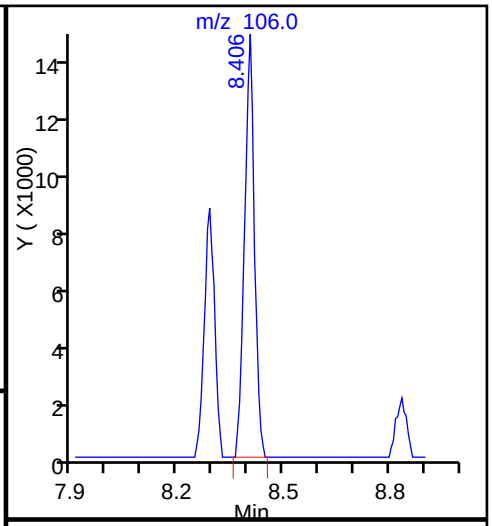


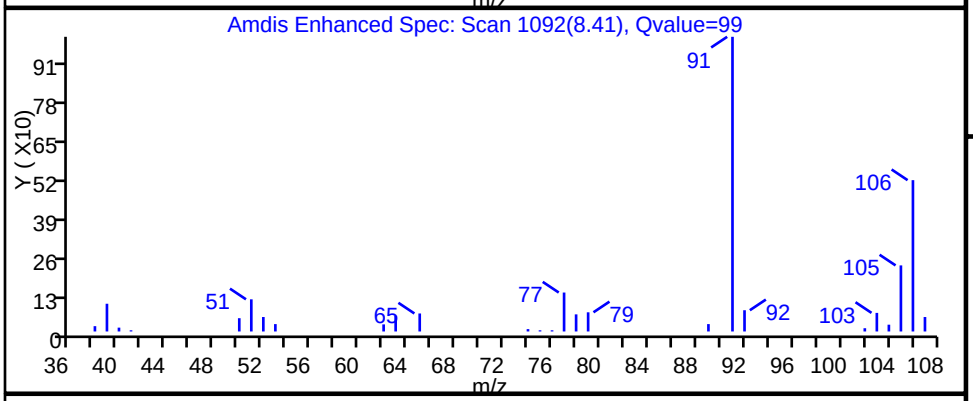
TestAmerica Buffalo

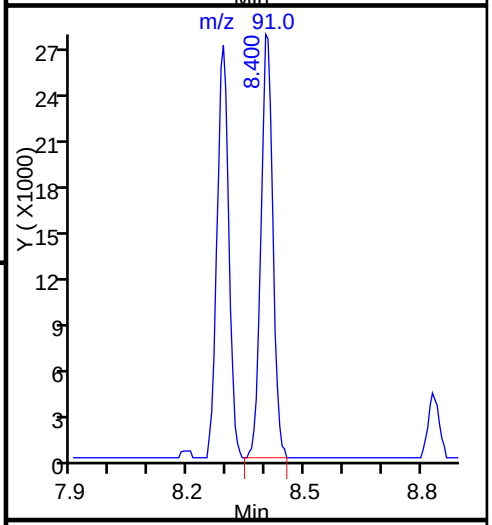
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D				
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4		
Client ID:	B24-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

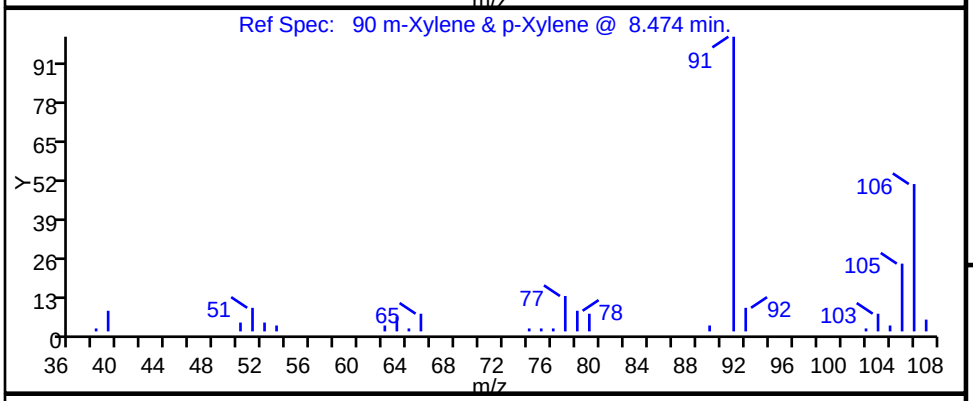
90 m-Xylene & p-Xylene, CAS: 179601-23-1

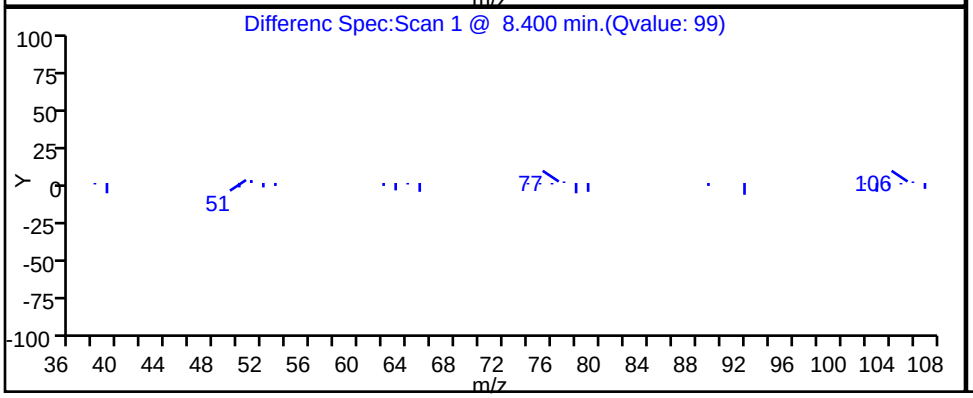


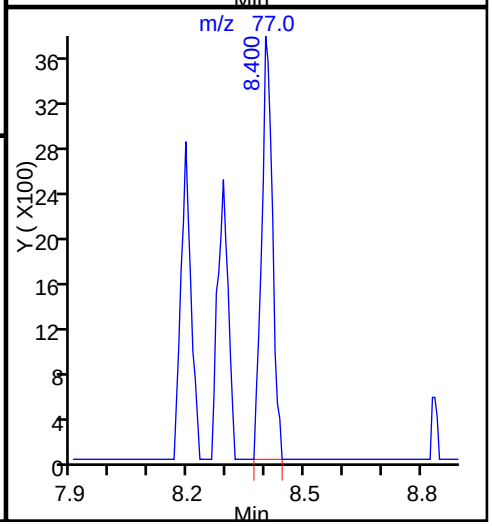








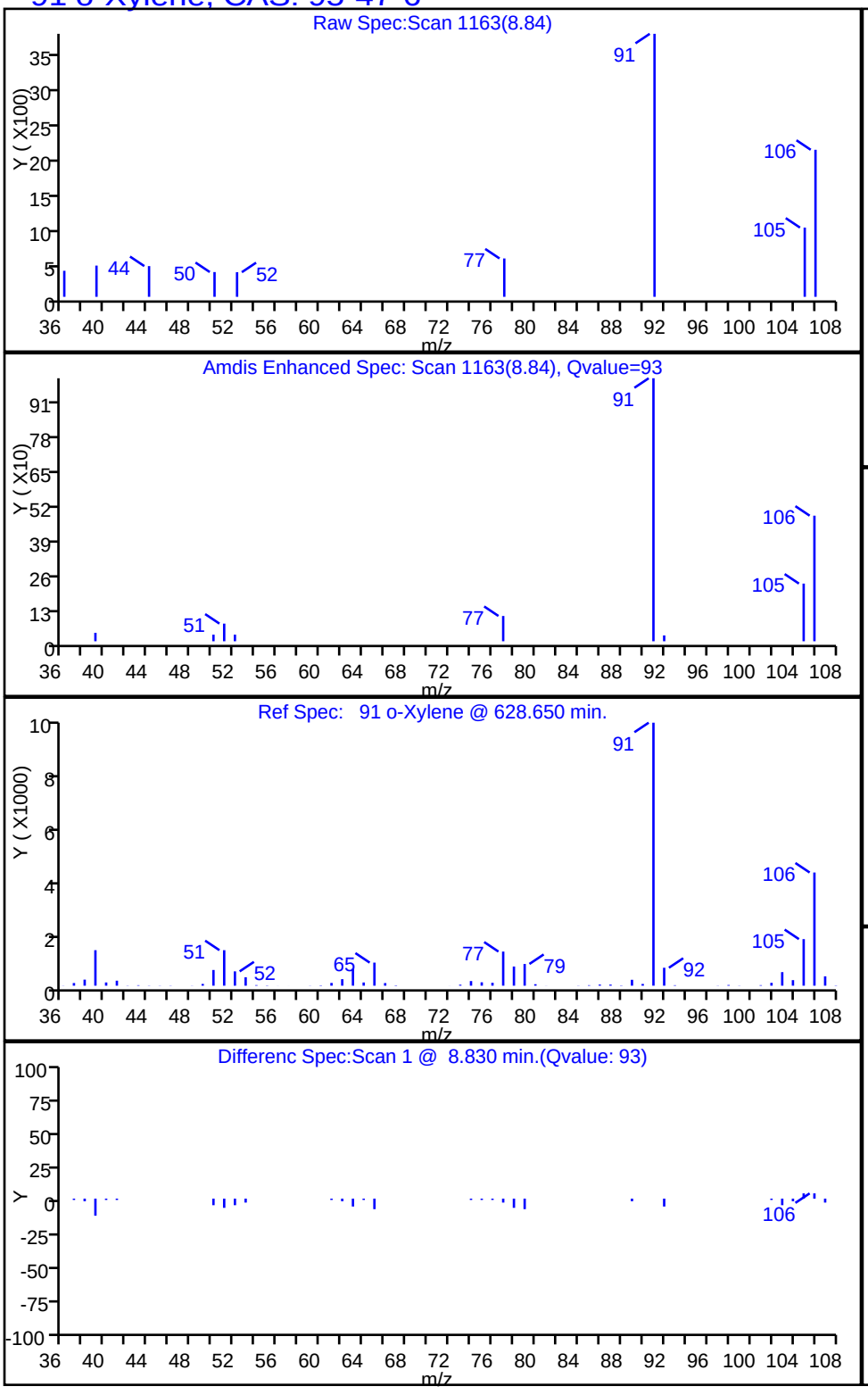


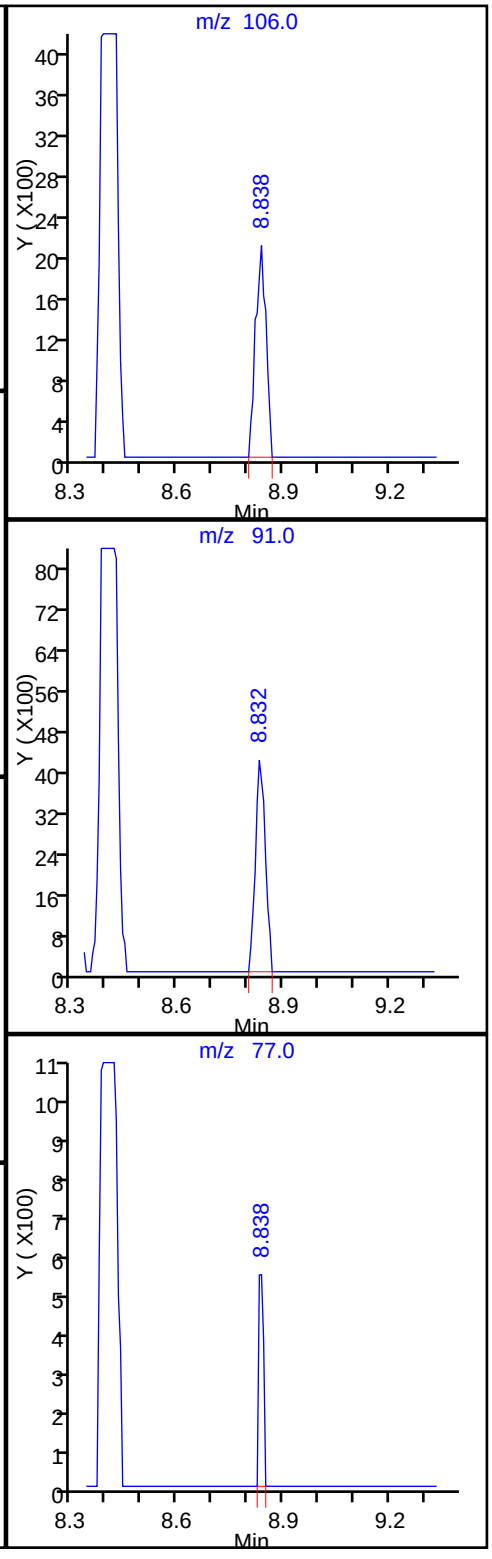


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2842.D				
Injection Date:	27-Nov-2015 14:19:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-4-A	Lab Sample ID:	480-91710-4		
Client ID:	B24-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B24-AREA2-S1 DL | Lab Sample ID: 480-91710-4 DL

Matrix: Solid | Lab File ID: N5049.D

Analysis Method: 8260C | Date Collected: 11/23/2015 15:05

Sample wt/vol: 5.05(g) | Date Analyzed: 11/30/2015 16:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Medium

Analysis Batch No.: 277340 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	310
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100	560
79-00-5	1,1,2-Trichloroethane	ND		1100	240
75-34-3	1,1-Dichloroethane	ND		1100	350
75-35-4	1,1-Dichloroethene	ND		1100	390
120-82-1	1,2,4-Trichlorobenzene	ND		1100	430
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	560
95-50-1	1,2-Dichlorobenzene	ND		1100	290
107-06-2	1,2-Dichloroethane	ND		1100	460
78-87-5	1,2-Dichloropropane	ND		1100	180
541-73-1	1,3-Dichlorobenzene	ND		1100	300
106-46-7	1,4-Dichlorobenzene	ND		1100	160
78-93-3	2-Butanone (MEK)	ND	*	5600	3300
591-78-6	2-Hexanone	ND		5600	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5600	360
67-64-1	Acetone	ND		5600	4600
71-43-2	Benzene	ND		1100	210
75-25-2	Bromoform	ND		1100	560
74-83-9	Bromomethane	ND		1100	250
75-15-0	Carbon disulfide	ND		1100	510
56-23-5	Carbon tetrachloride	ND		1100	290
108-90-7	Chlorobenzene	ND		1100	150
124-48-1	Dibromochloromethane	ND		1100	540
75-00-3	Chloroethane	ND		1100	230
67-66-3	Chloroform	ND		1100	770
74-87-3	Chloromethane	ND		1100	270
156-59-2	cis-1,2-Dichloroethene	1500		1100	310
110-82-7	Cyclohexane	ND		1100	250
75-27-4	Bromodichloromethane	ND		1100	220
75-71-8	Dichlorodifluoromethane	ND		1100	490
100-41-4	Ethylbenzene	350	J	1100	330
106-93-4	1,2-Dibromoethane	ND		1100	200
98-82-8	Isopropylbenzene	ND		1100	170
79-20-9	Methyl acetate	ND		1100	530

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B24-AREA2-S1 DL | Lab Sample ID: 480-91710-4 DL

Matrix: Solid | Lab File ID: N5049.D

Analysis Method: 8260C | Date Collected: 11/23/2015 15:05

Sample wt/vol: 5.05(g) | Date Analyzed: 11/30/2015 16:12

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Medium

Analysis Batch No.: 277340 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1100	420
108-87-2	Methylcyclohexane	ND		1100	530
75-09-2	Methylene Chloride	ND		1100	220
127-18-4	Tetrachloroethene	26000		1100	150
108-88-3	Toluene	ND		1100	300
156-60-5	trans-1,2-Dichloroethene	ND		1100	260
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	11000		1100	310
75-69-4	Trichlorofluoromethane	ND		1100	530
75-01-4	Vinyl chloride	ND		1100	380
1330-20-7	Xylenes, Total	ND		2200	620
10061-01-5	cis-1,3-Dichloropropene	ND		1100	270
100-42-5	Styrene	ND		1100	270

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	99		49-148
2037-26-5	Toluene-d8 (Surr)	90		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5049.D
Lims ID: 480-91710-A-4-C Lab Sample ID: 480-91710-4
Client ID: B24-AREA2-S1
Sample Type: Client
Inject. Date: 30-Nov-2015 16:12:30 ALS Bottle#: 44 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-91710-A-4-C
Misc. Info.: 480-0048783-016
Operator ID: gtg Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 18:20:15 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: o'briens Date: 30-Nov-2015 18:20:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	99	96224	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	353887	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	181644	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	129292	24.1	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	376225	22.5	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	94	125974	24.8	
11 Dichlorodifluoromethane	85		1.377				ND	
13 Chloromethane	50		1.547				ND	
14 Vinyl chloride	62		1.657				ND	
15 Bromomethane	94		1.985				ND	
16 Chloroethane	64		2.095				ND	
18 Trichlorofluoromethane	101		2.314				ND	
22 1,1-Dichloroethene	96		2.825				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.831				ND	
23 Acetone	43		2.922				ND	
25 Carbon disulfide	76		3.031				ND	
28 Methyl acetate	43		3.232				ND	
30 Methylene Chloride	84		3.330				ND	
32 Methyl tert-butyl ether	73		3.561				ND	
33 trans-1,2-Dichloroethene	96		3.573				ND	
36 1,1-Dichloroethane	63	3.980	3.980	0.000	90	2585	0.2800	
43 cis-1,2-Dichloroethene	96	4.534	4.540	-0.006	76	7004	1.35	
44 2-Butanone (MEK)	43		4.564				ND	
50 Chloroform	83		4.850				ND	
51 1,1,1-Trichloroethane	97		4.978				ND	
52 Cyclohexane	56		5.002				ND	
53 Carbon tetrachloride	117		5.124				ND	
55 Benzene	78		5.331				ND	
57 1,2-Dichloroethane	62		5.380				ND	
60 Trichloroethene	95	5.945	5.945	0.000	97	48135	10.0	
62 Methylcyclohexane	83		6.085				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.171				ND	
67 Dichlorobromomethane	83		6.456				ND	
71 cis-1,3-Dichloropropene	75		6.882				ND	
72 4-Methyl-2-pentanone (MIBK	58		7.016				ND	
73 Toluene	92		7.180				ND	
75 trans-1,3-Dichloropropene	75		7.442				ND	
78 1,1,2-Trichloroethane	83		7.631				ND	
79 Tetrachloroethene	166	7.722	7.722	0.000	98	128713	22.8	
82 2-Hexanone	43		7.862				ND	
83 Chlorodibromomethane	129		8.032				ND	
84 Ethylene Dibromide	107		8.142				ND	
85 Chlorobenzene	112		8.628				ND	
88 Ethylbenzene	91	8.732	8.726	0.006	93	6858	0.3117	
90 m-Xylene & p-Xylene	106	8.853	8.847	0.006	0	3484	0.3904	
91 o-Xylene	106		9.273				ND	
92 Styrene	104		9.298				ND	
93 Bromoform	173		9.535				ND	
95 Isopropylbenzene	105		9.656				ND	
98 1,1,2,2-Tetrachloroethane	83		10.028				ND	
110 1,3-Dichlorobenzene	146		10.910				ND	
113 1,4-Dichlorobenzene	146		10.995				ND	
116 1,2-Dichlorobenzene	146		11.342				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 126 Xylenes, Total	1				0		0.3904	

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

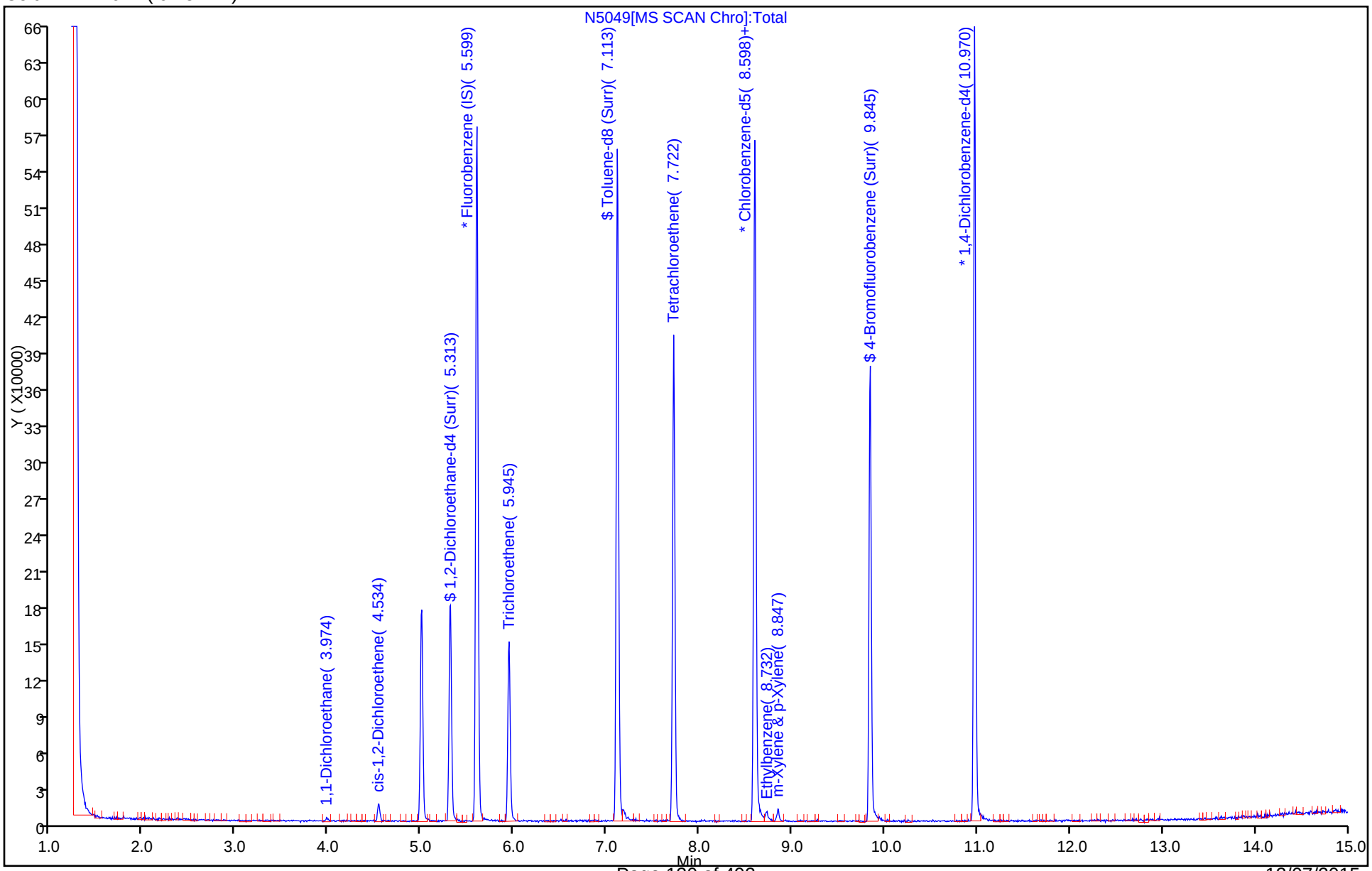
Report Date: 30-Nov-2015 18:20:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5049.D

Injection Date:	30-Nov-2015 16:12:30	Instrument ID:	HP5973N	Operator ID:	gtg
Lims ID:	480-91710-A-4-C	Lab Sample ID:	480-91710-4	Worklist Smp#:	16
Client ID:	B24-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	44
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

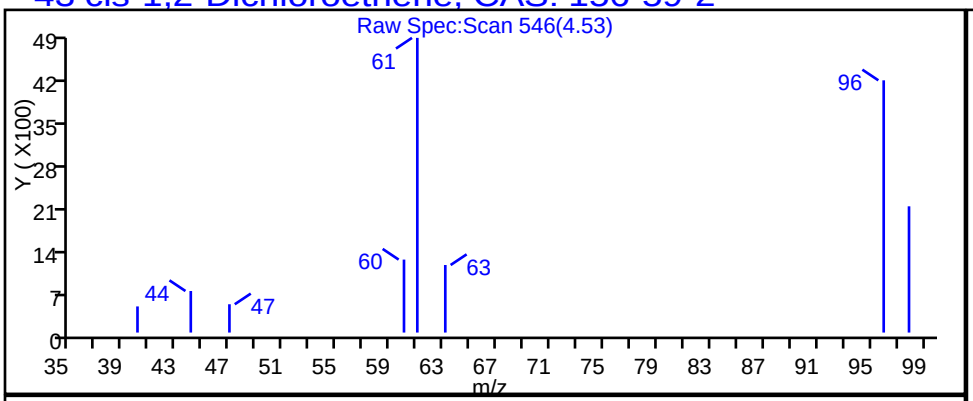
Column: ZB-624 (0.25 mm)

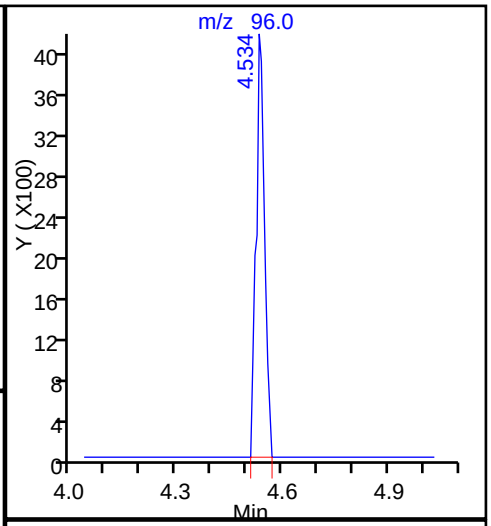


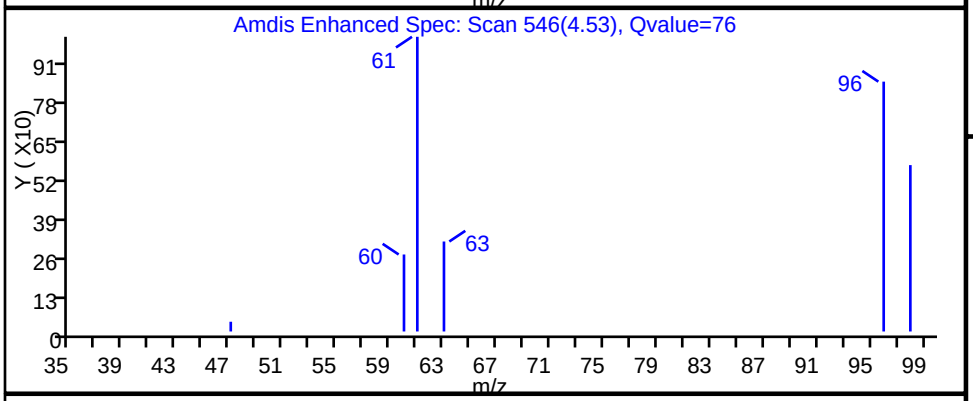
TestAmerica Buffalo

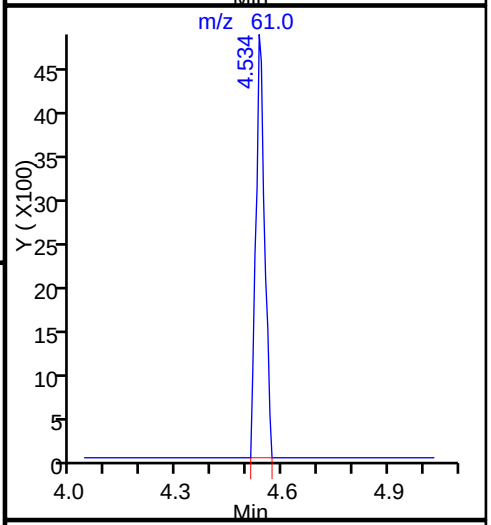
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5049.D		
Injection Date:	30-Nov-2015 16:12:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-4-C	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	gtg	ALS Bottle#:	44 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

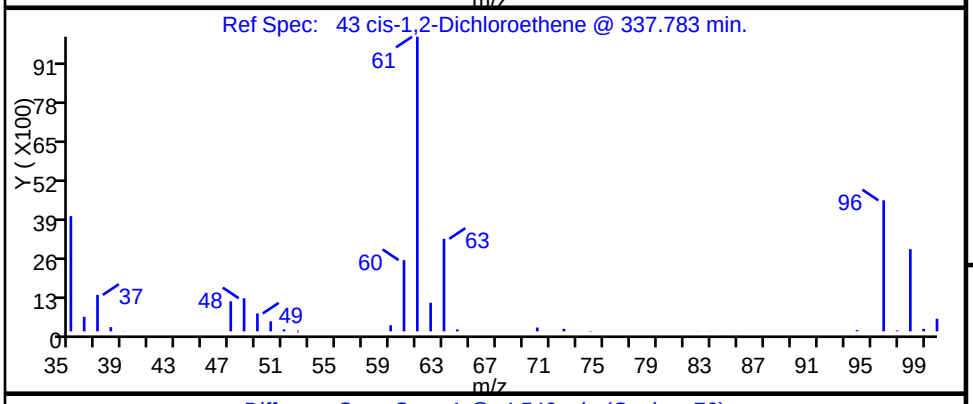
43 cis-1,2-Dichloroethene, CAS: 156-59-2

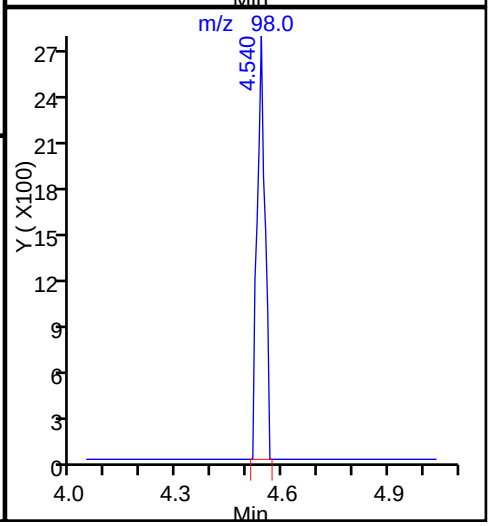


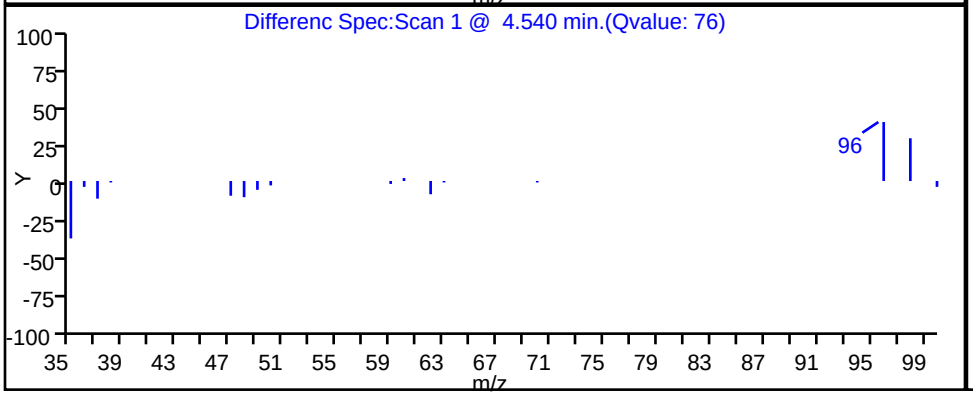








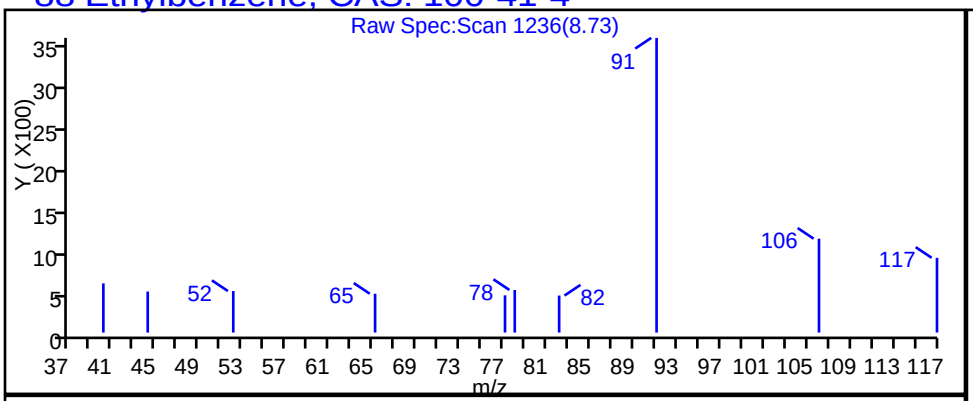


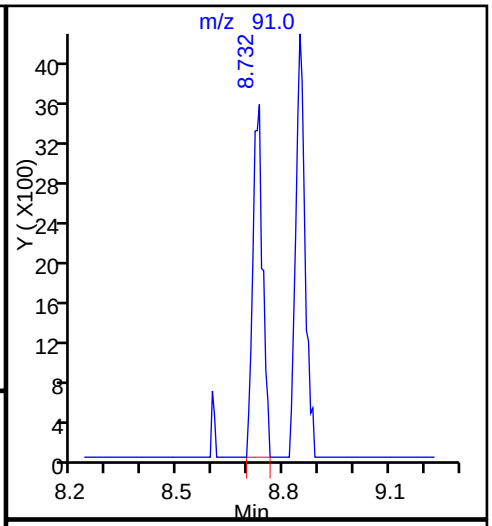


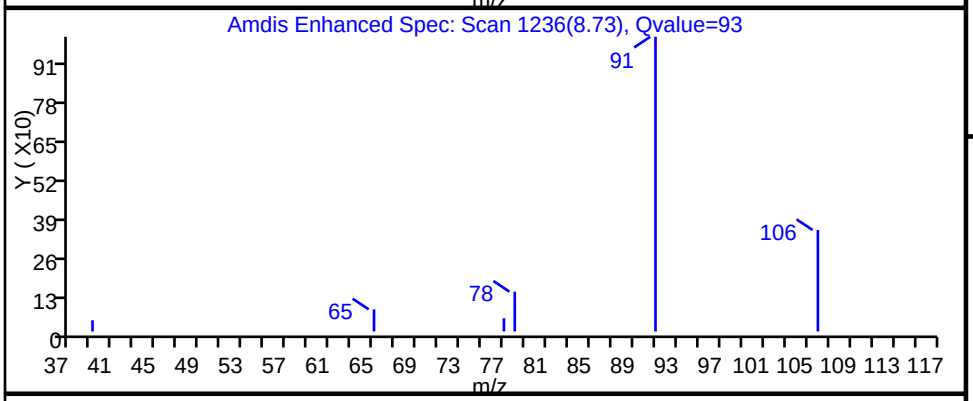
TestAmerica Buffalo

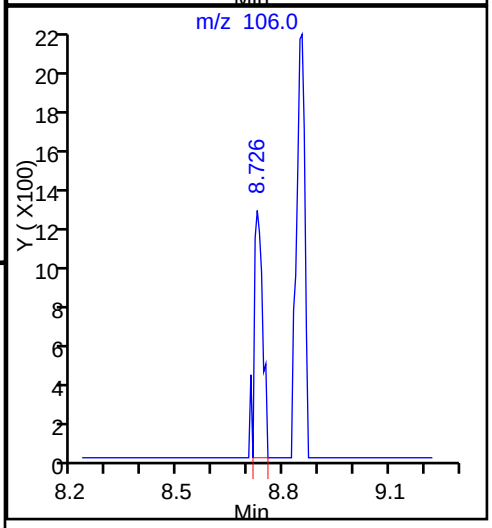
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5049.D				
Injection Date:	30-Nov-2015 16:12:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-4-C	Lab Sample ID:	480-91710-4		
Client ID:	B24-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	44	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

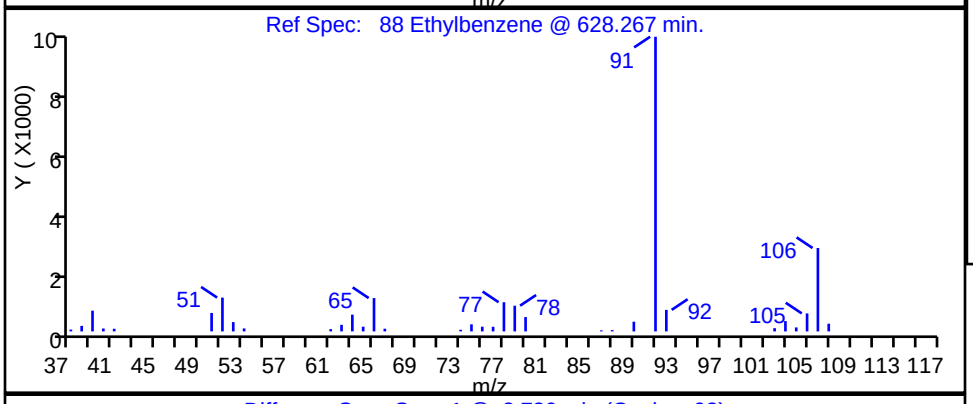
88 Ethylbenzene, CAS: 100-41-4

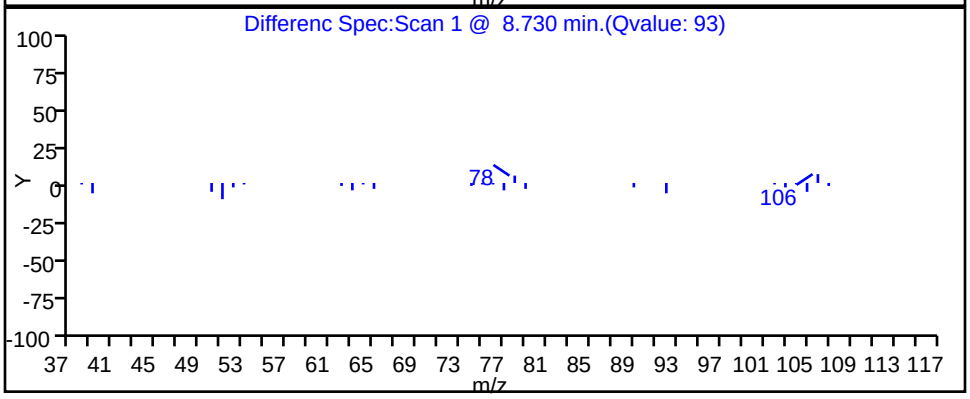








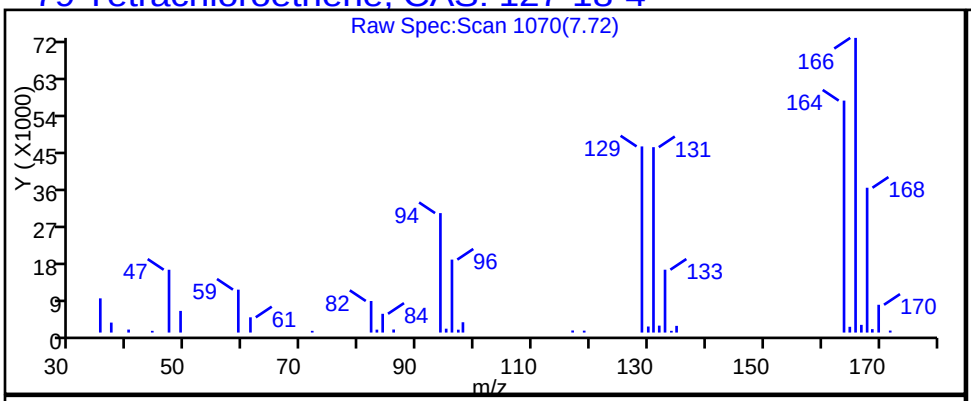


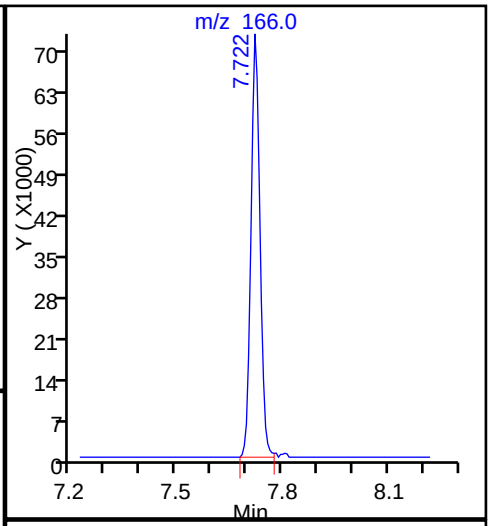


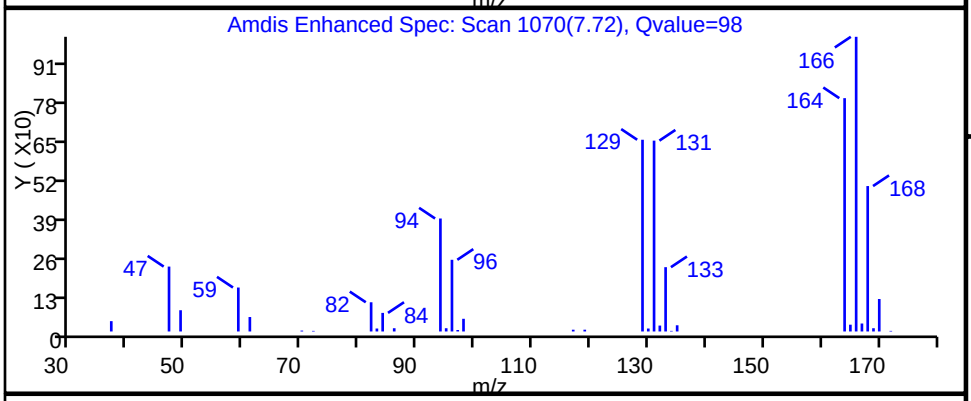
TestAmerica Buffalo

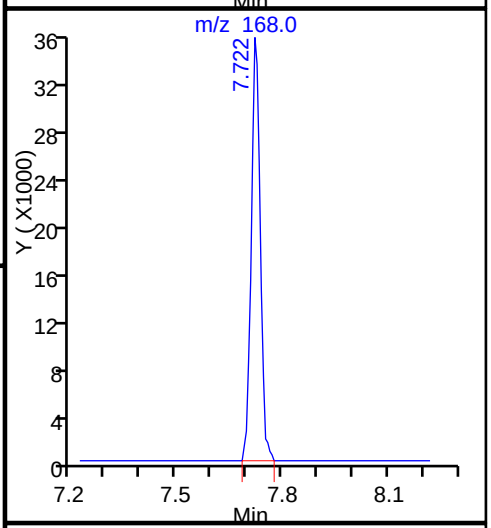
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5049.D		
Injection Date:	30-Nov-2015 16:12:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-4-C	Lab Sample ID:	480-91710-4
Client ID:	B24-AREA2-S1		
Operator ID:	gtg	ALS Bottle#:	44 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

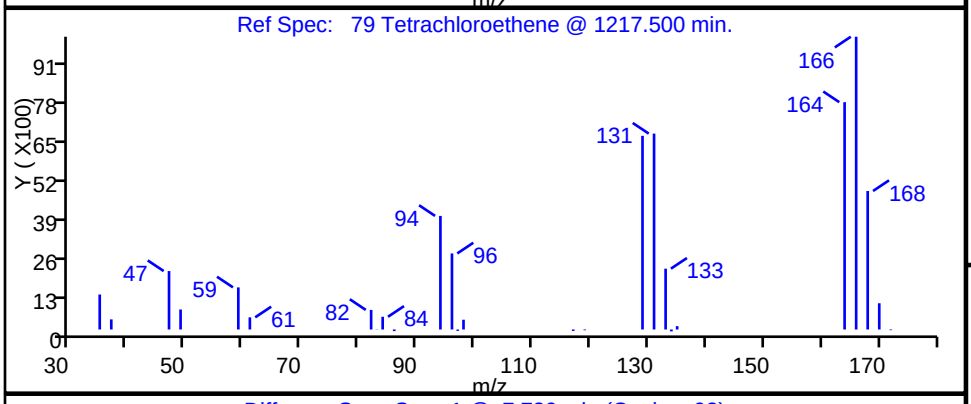
79 Tetrachloroethene, CAS: 127-18-4

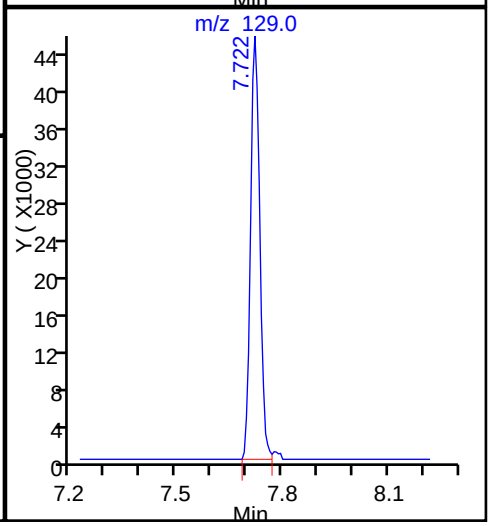


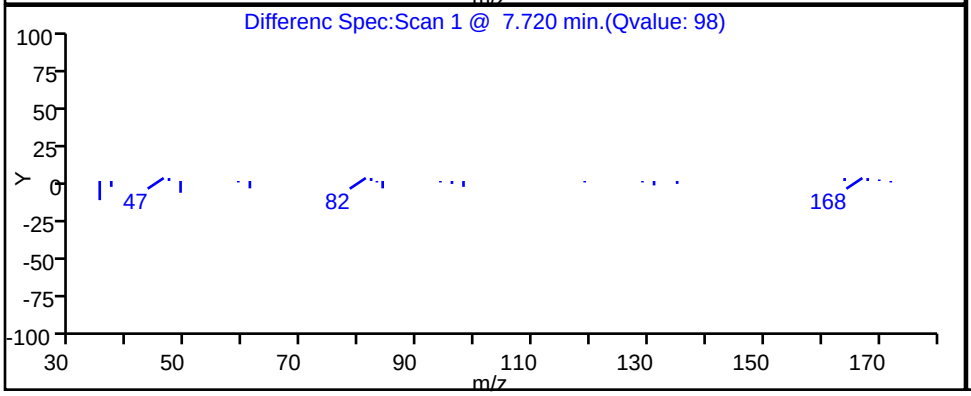








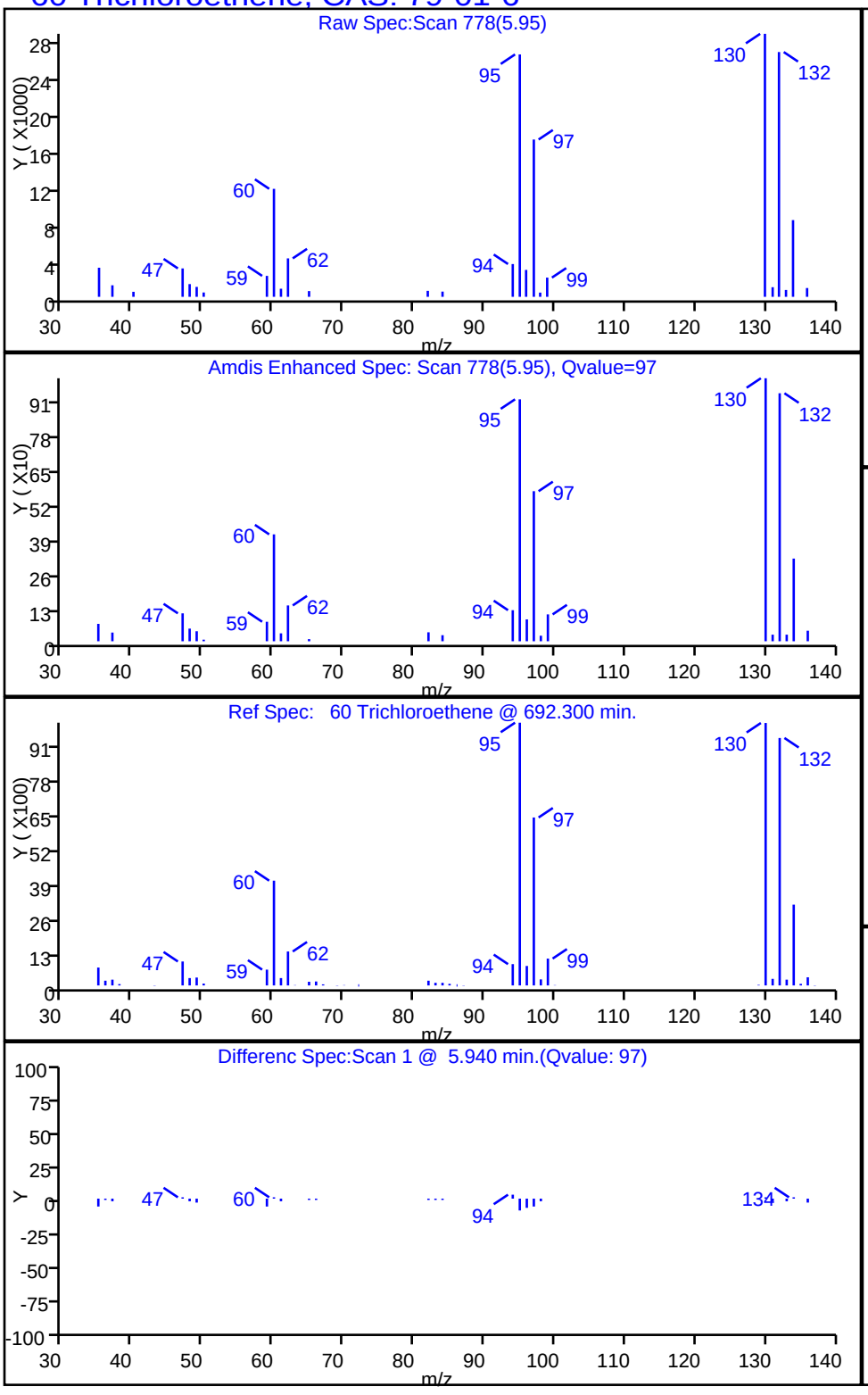


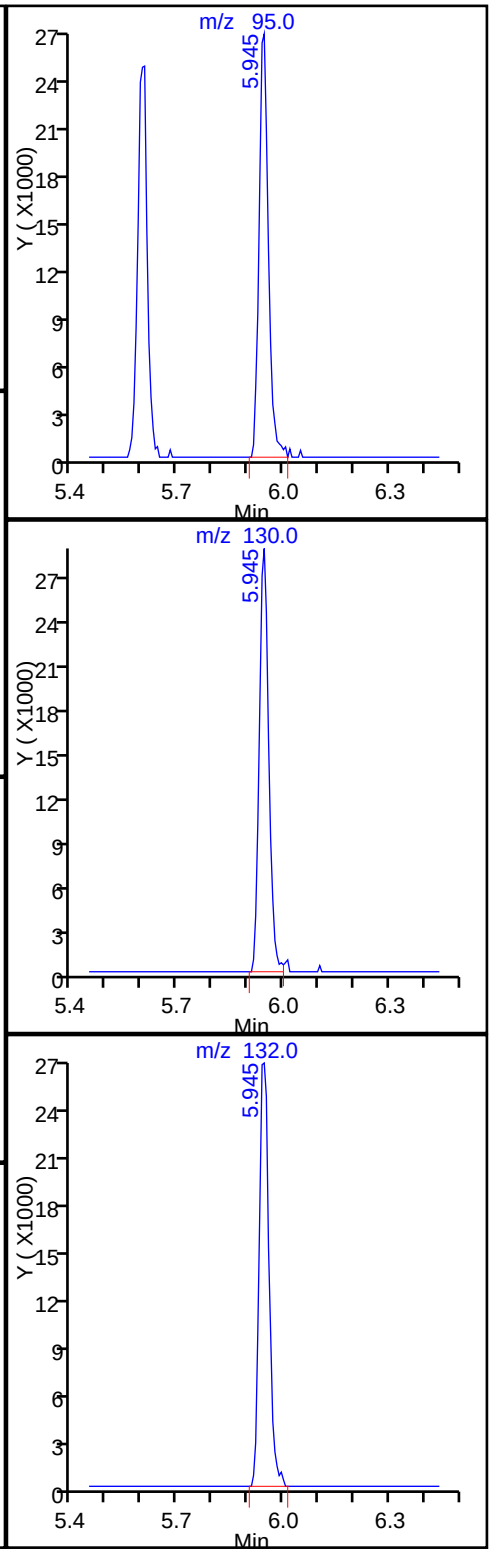


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5049.D				
Injection Date:	30-Nov-2015 16:12:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-4-C	Lab Sample ID:	480-91710-4		
Client ID:	B24-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	44	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B24-AREA2-S2 | Lab Sample ID: 480-91710-5

Matrix: Solid | Lab File ID: F2843.D

Analysis Method: 8260C | Date Collected: 11/23/2015 15:30

Sample wt/vol: 5.01(g) | Date Analyzed: 11/27/2015 14:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 23.8 | Level: (low/med) Low

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.5	0.48
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	6.5	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	J	6.5	1.5
79-00-5	1,1,2-Trichloroethane	ND		6.5	0.85
75-34-3	1,1-Dichloroethane	ND		6.5	0.80
75-35-4	1,1-Dichloroethene	ND		6.5	0.80
120-82-1	1,2,4-Trichlorobenzene	ND	*	6.5	0.40
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	6.5	3.3
95-50-1	1,2-Dichlorobenzene	ND	*	6.5	0.51
107-06-2	1,2-Dichloroethane	ND		6.5	0.33
78-87-5	1,2-Dichloropropane	ND		6.5	3.3
541-73-1	1,3-Dichlorobenzene	ND	*	6.5	0.34
106-46-7	1,4-Dichlorobenzene	ND	*	6.5	0.92
78-93-3	2-Butanone (MEK)	ND		33	2.4
591-78-6	2-Hexanone	ND		33	3.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		33	2.1
67-64-1	Acetone	16	J B	33	5.5
71-43-2	Benzene	ND		6.5	0.32
75-25-2	Bromoform	ND		6.5	3.3
74-83-9	Bromomethane	ND		6.5	0.59
75-15-0	Carbon disulfide	ND		6.5	3.3
56-23-5	Carbon tetrachloride	ND		6.5	0.63
108-90-7	Chlorobenzene	ND		6.5	0.86
124-48-1	Dibromochloromethane	ND		6.5	0.84
75-00-3	Chloroethane	ND		6.5	1.5
67-66-3	Chloroform	ND		6.5	0.40
74-87-3	Chloromethane	ND		6.5	0.40
156-59-2	cis-1,2-Dichloroethene	2.9	J	6.5	0.84
110-82-7	Cyclohexane	ND		6.5	0.92
75-27-4	Bromodichloromethane	ND		6.5	0.88
75-71-8	Dichlorodifluoromethane	ND		6.5	0.54
100-41-4	Ethylbenzene	ND		6.5	0.45
106-93-4	1,2-Dibromoethane	ND		6.5	0.84
98-82-8	Isopropylbenzene	ND	*	6.5	0.99
79-20-9	Methyl acetate	ND		6.5	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B24-AREA2-S2 | Lab Sample ID: 480-91710-5

Matrix: Solid | Lab File ID: F2843.D

Analysis Method: 8260C | Date Collected: 11/23/2015 15:30

Sample wt/vol: 5.01(g) | Date Analyzed: 11/27/2015 14:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 23.8 | Level: (low/med) Low

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		6.5	0.64
108-87-2	Methylcyclohexane	ND		6.5	1.0
75-09-2	Methylene Chloride	ND		6.5	3.0
127-18-4	Tetrachloroethene	2.3	J B	6.5	0.88
108-88-3	Toluene	ND		6.5	0.49
156-60-5	trans-1,2-Dichloroethene	ND		6.5	0.68
10061-02-6	trans-1,3-Dichloropropene	ND		6.5	2.9
79-01-6	Trichloroethene	ND		6.5	1.4
75-69-4	Trichlorofluoromethane	ND		6.5	0.62
75-01-4	Vinyl chloride	ND		6.5	0.80
1330-20-7	Xylenes, Total	ND		13	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		6.5	0.94
100-42-5	Styrene	ND		6.5	0.33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		64-126
460-00-4	4-Bromofluorobenzene (Surr)	34	X	72-126
2037-26-5	Toluene-d8 (Surr)	91		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2843.D
Lims ID: 480-91710-A-5-A Lab Sample ID: 480-91710-5
Client ID: B24-AREA2-S2
Sample Type: Client
Inject. Date: 27-Nov-2015 14:45:30 ALS Bottle#: 12 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91710-A-5-A
Misc. Info.: 480-0048735-020
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 22:32:33 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: diasn Date: 27-Nov-2015 22:33:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	127421	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	162837	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	81105	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	60203	38.6	
$ 5 Toluene-d8 (Surr)	98	6.757	6.751	0.006	93	303331	45.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.416	0.006	86	30511	16.8	
10 Dichlorodifluoromethane	85		1.902				ND	
12 Chloromethane	50		2.054				ND	
13 Vinyl chloride	62		2.170				ND	
14 Bromomethane	94		2.456				ND	
15 Chloroethane	64		2.523				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.095	0.012	88	4285	1.20	
22 1,1-Dichloroethene	96		3.119				ND	
23 Acetone	43	3.198	3.174	0.024	100	17103	12.6	
26 Carbon disulfide	76		3.332				ND	
27 Methyl acetate	43		3.393				ND	
30 Methylene Chloride	84	3.521	3.508	0.013	92	4114	0.8958	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.026				ND	
43 2-Butanone (MEK)	43		4.464				ND	
45 cis-1,2-Dichloroethene	96	4.488	4.476	0.012	79	9552	2.20	
50 Chloroform	83		4.713				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.200				ND	
62 Trichloroethene	95	5.680	5.680	0.000	90	3845	0.9569	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.143				ND	
72 cis-1,3-Dichloropropene	75		6.520				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.238				ND	
81 Tetrachloroethene	166	7.347	7.335	0.012	90	4657	1.79	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.400				ND	
91 o-Xylene	106		8.832				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.136				ND	
94 Isopropylbenzene	105		9.203				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.474				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.581				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

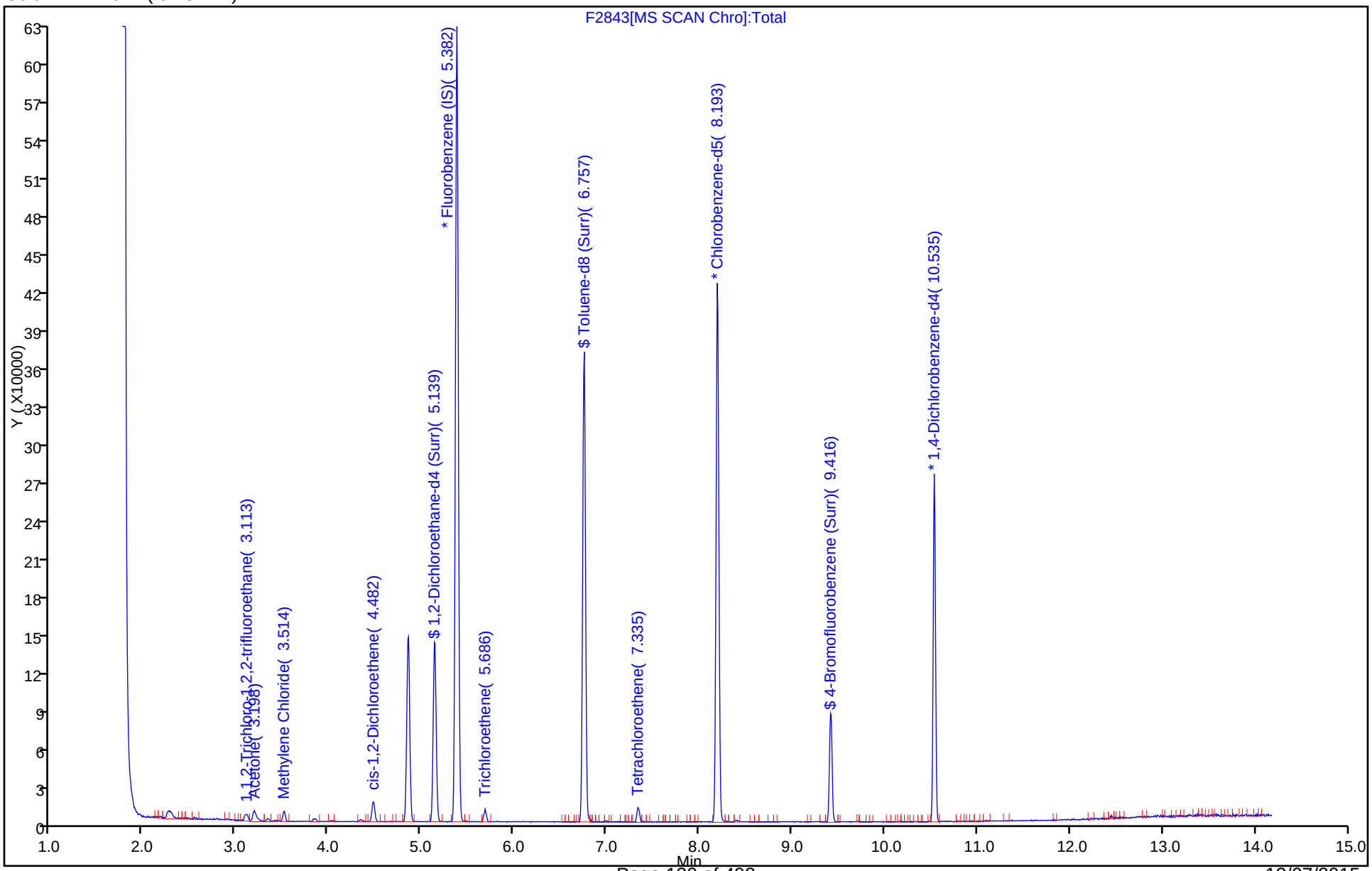
Report Date: 27-Nov-2015 22:33:39 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2843.D

Injection Date:	27-Nov-2015 14:45:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-91710-A-5-A	Lab Sample ID:	480-91710-5	Worklist Smp#:	20
Client ID:	B24-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

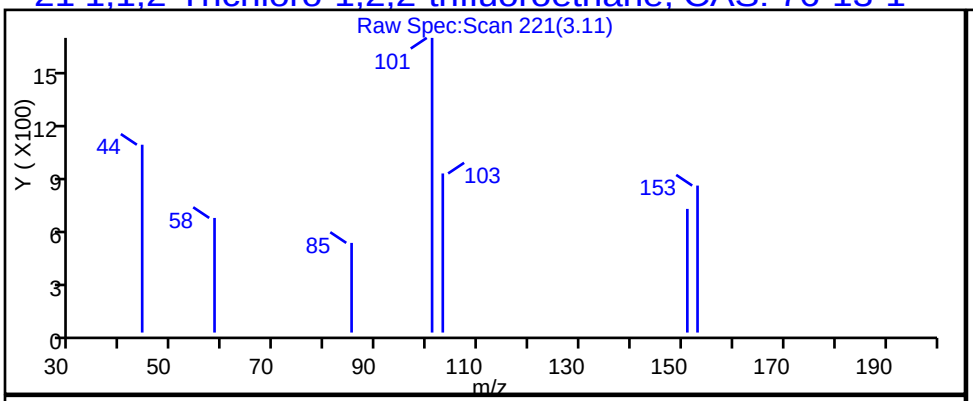


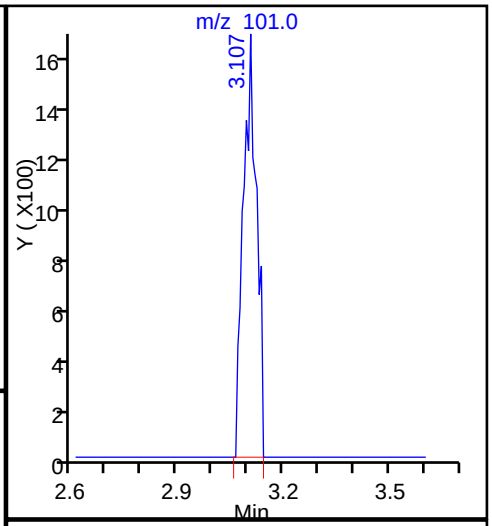
TestAmerica Buffalo

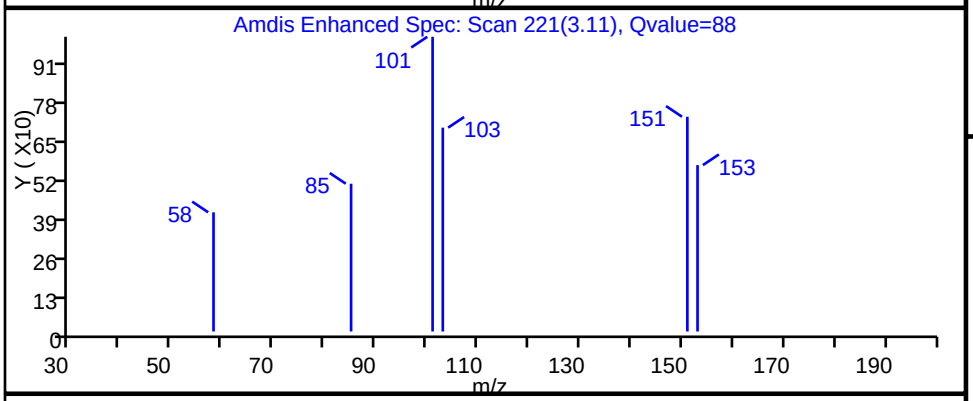
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2843.D

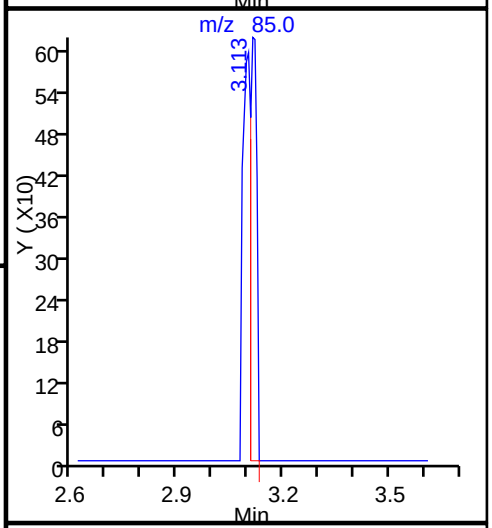
Injection Date:	27-Nov-2015 14:45:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-5-A	Lab Sample ID:	480-91710-5		
Client ID:	B24-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

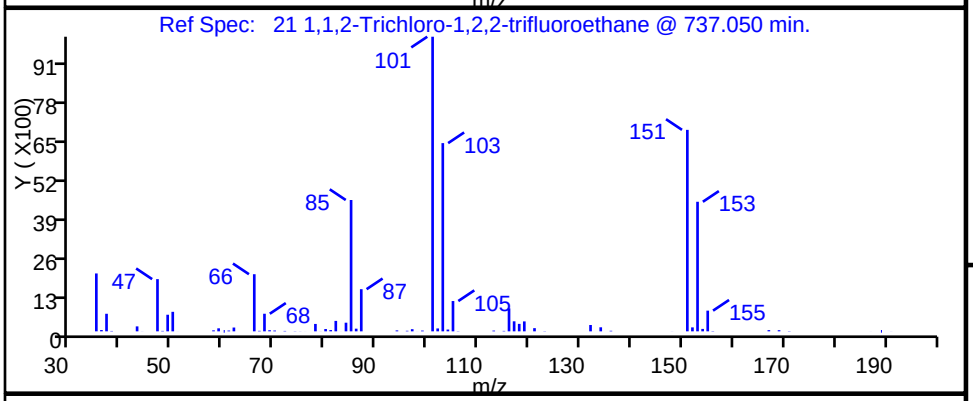
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

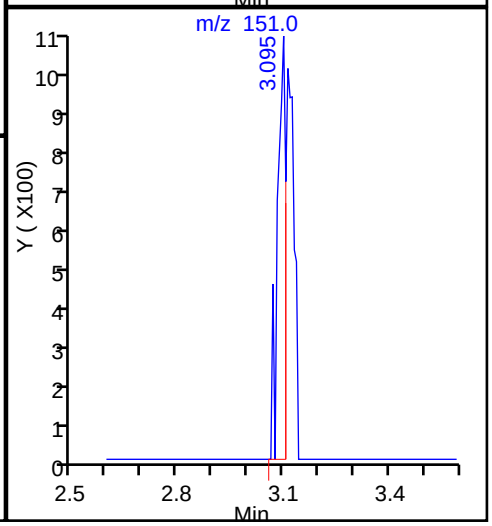


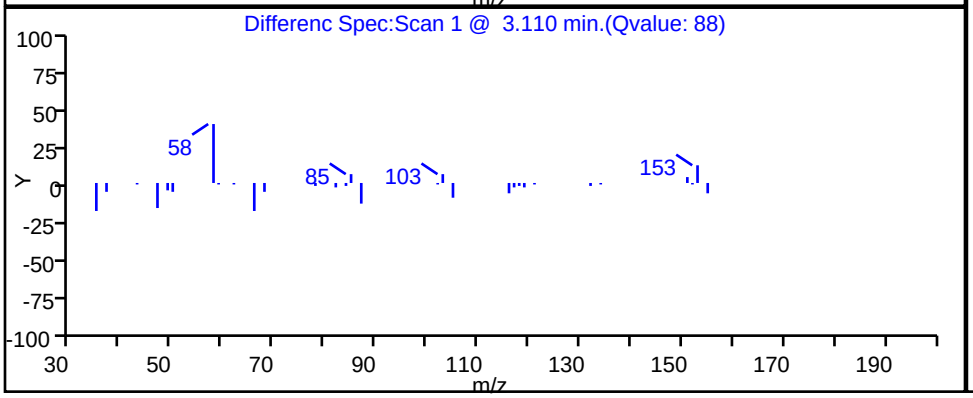










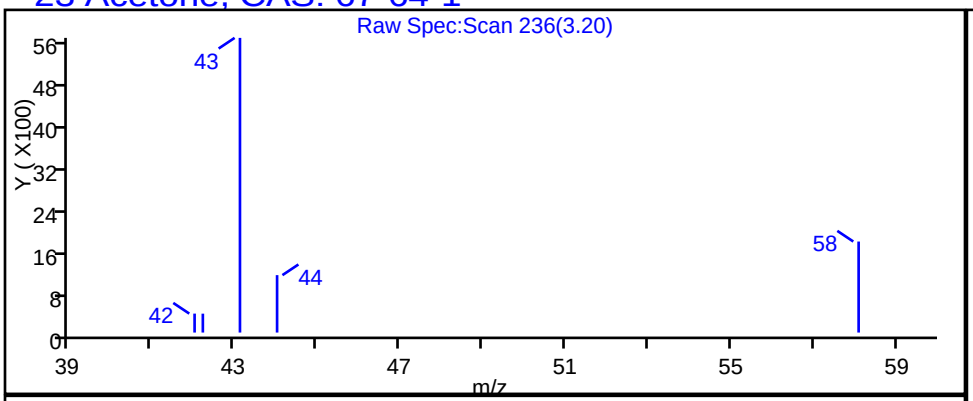


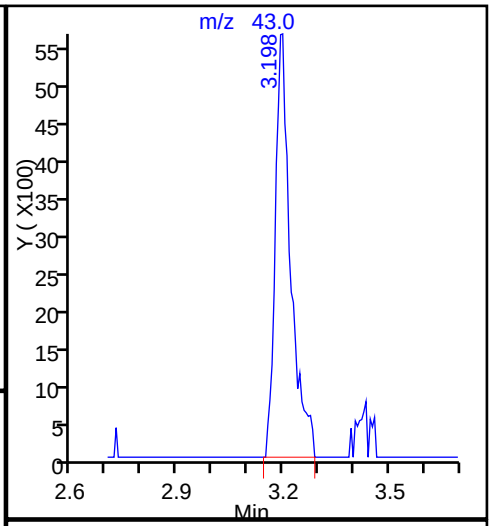
TestAmerica Buffalo

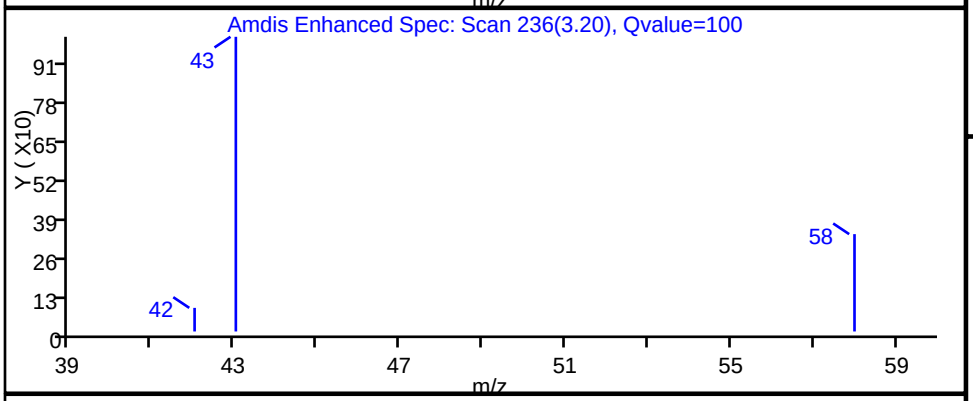
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2843.D

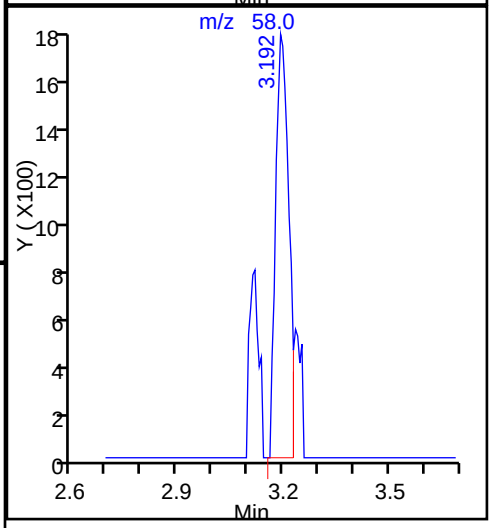
Injection Date:	27-Nov-2015 14:45:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-5-A	Lab Sample ID:	480-91710-5
Client ID:	B24-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	12 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

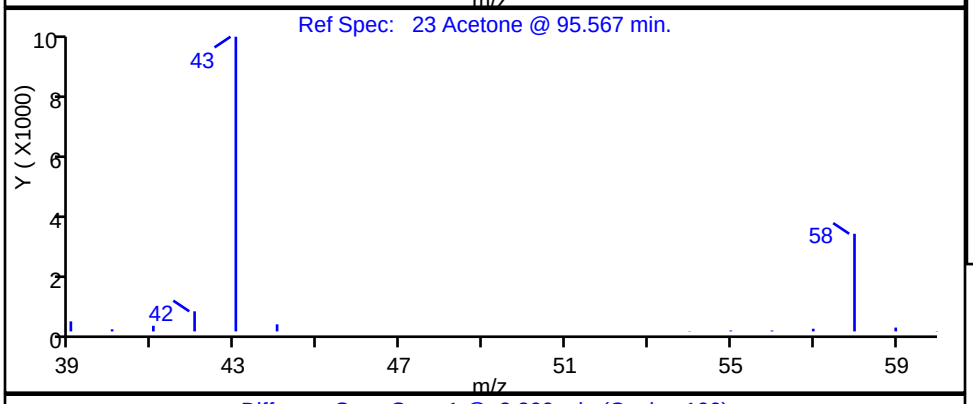
23 Acetone, CAS: 67-64-1

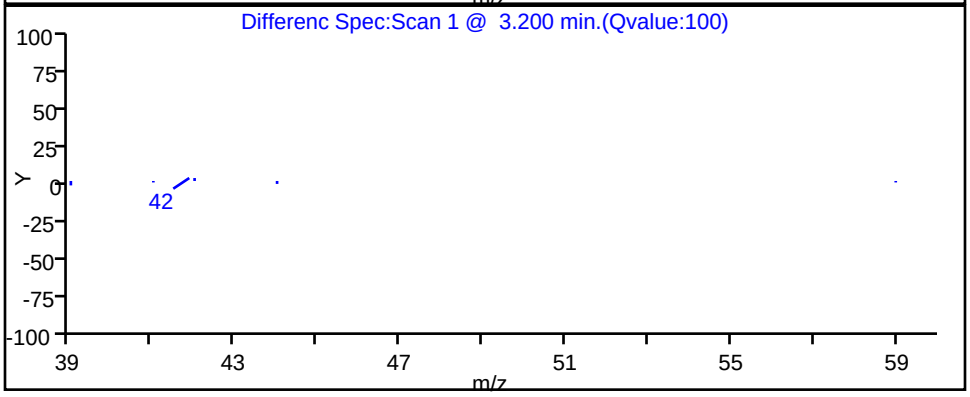








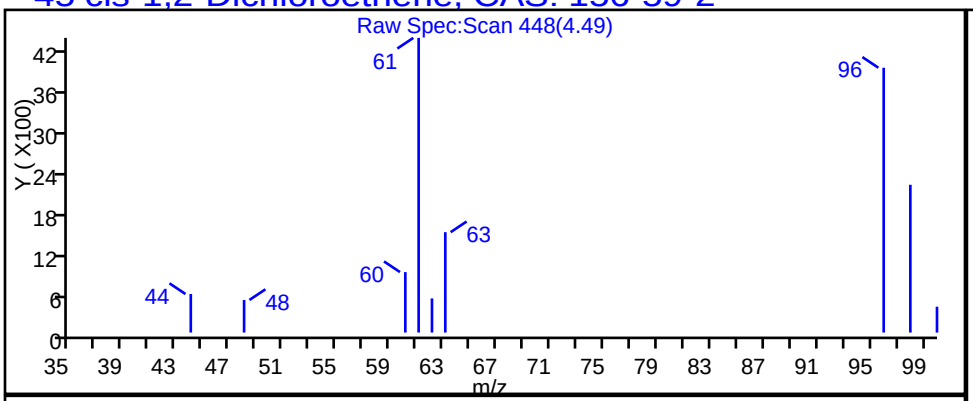


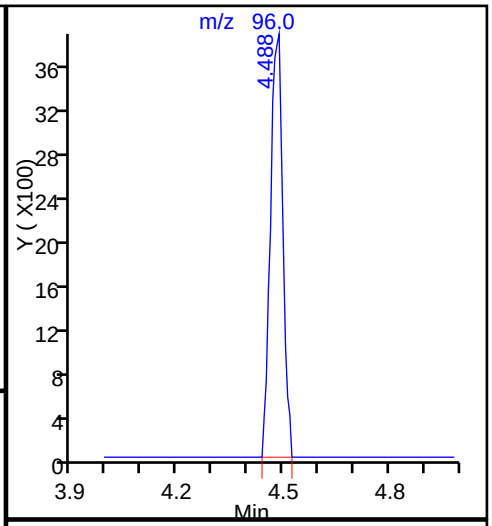


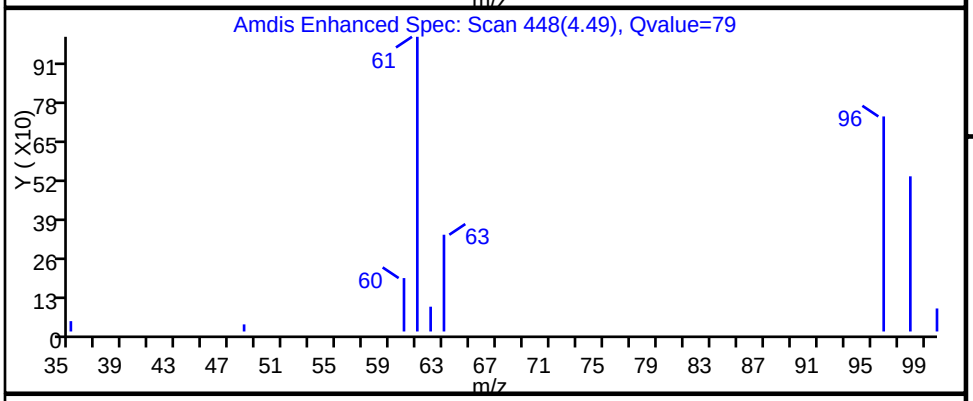
TestAmerica Buffalo

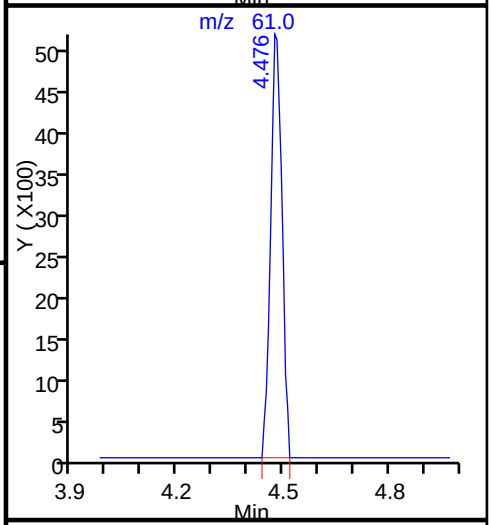
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2843.D				
Injection Date:	27-Nov-2015 14:45:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-5-A	Lab Sample ID:	480-91710-5		
Client ID:	B24-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

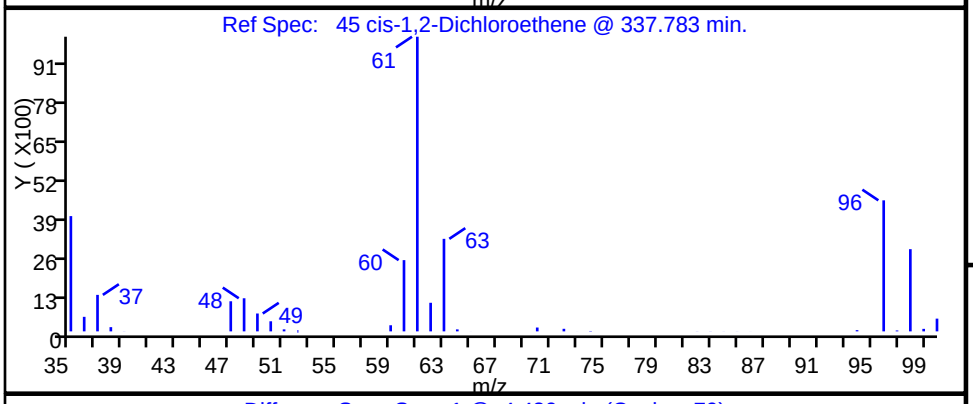
45 cis-1,2-Dichloroethene, CAS: 156-59-2

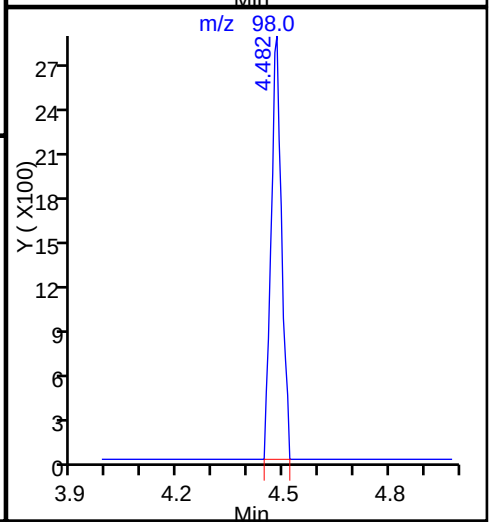


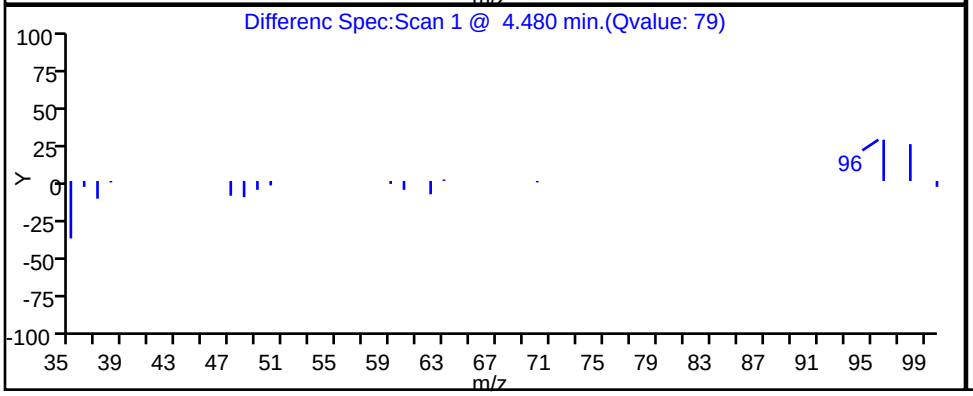










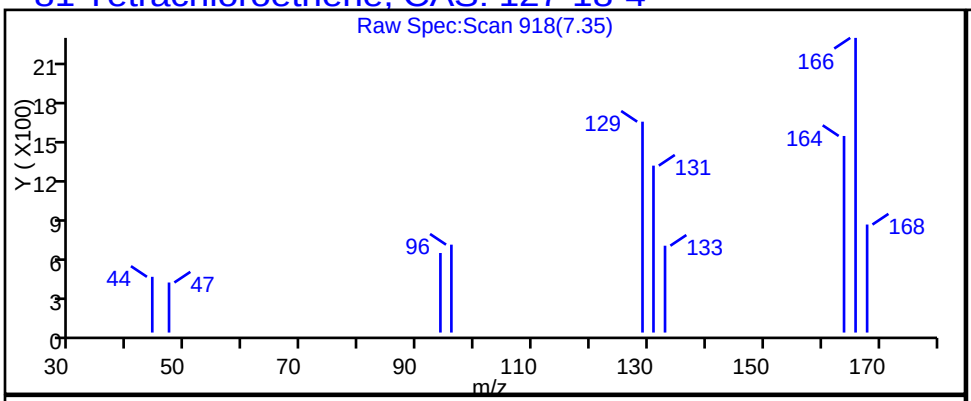


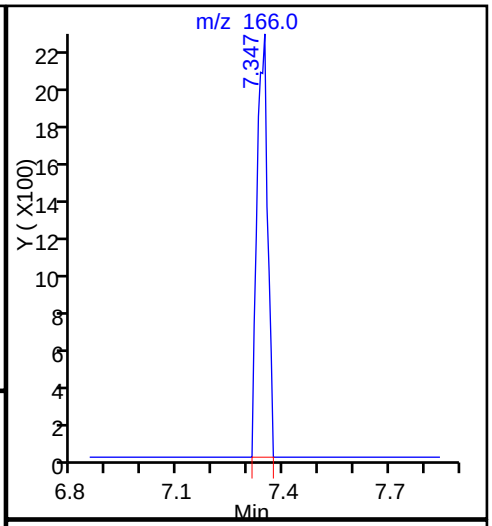
TestAmerica Buffalo

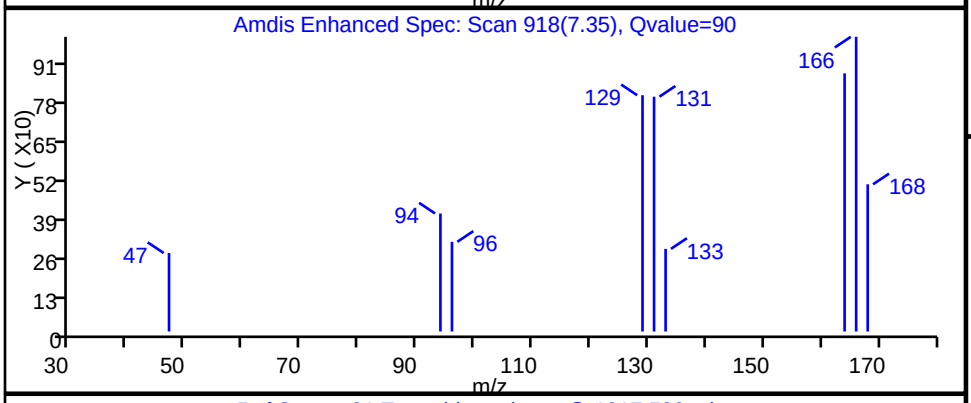
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2843.D

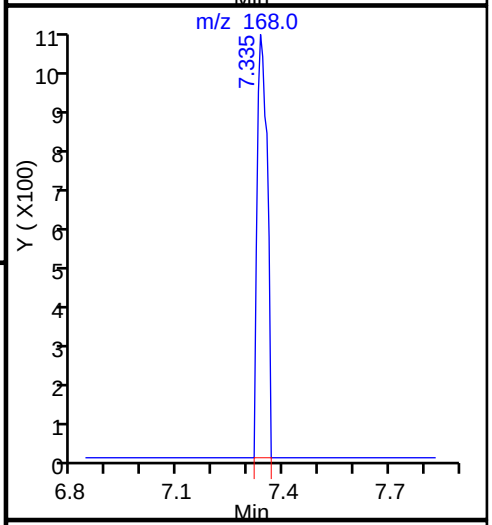
Injection Date:	27-Nov-2015 14:45:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-5-A	Lab Sample ID:	480-91710-5
Client ID:	B24-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	12 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

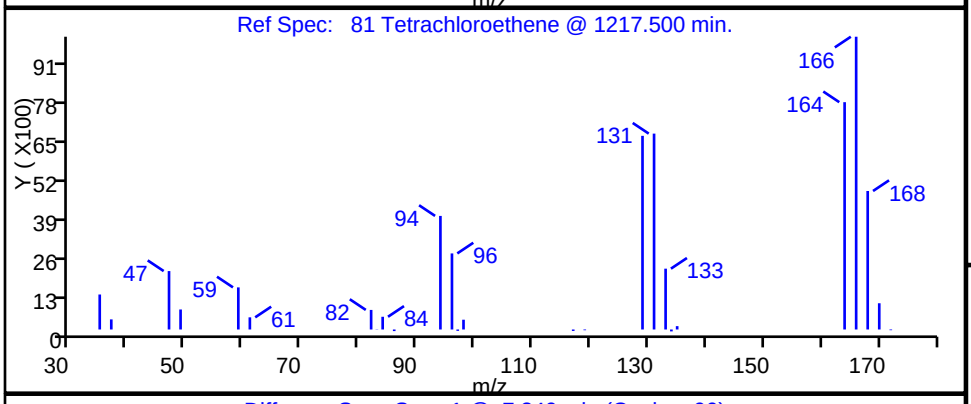
81 Tetrachloroethene, CAS: 127-18-4

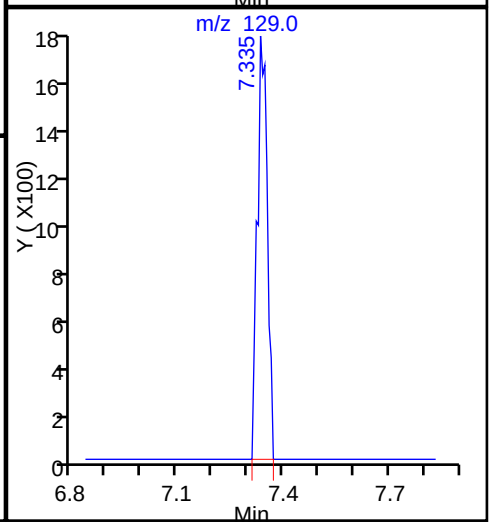


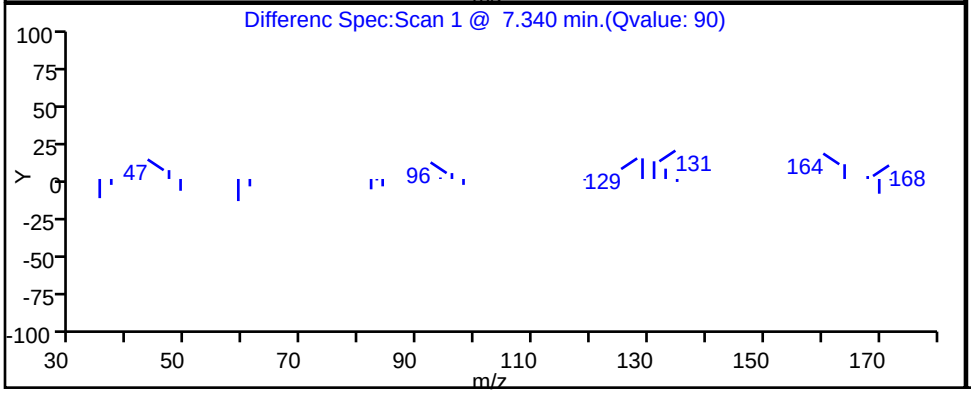












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S1 | Lab Sample ID: 480-91710-6

Matrix: Solid | Lab File ID: F2871.D

Analysis Method: 8260C | Date Collected: 11/24/2015 13:20

Sample wt/vol: 0.5(g) | Date Analyzed: 11/28/2015 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21	J	54	4.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		54	8.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	410		54	12
79-00-5	1,1,2-Trichloroethane	ND		54	7.1
75-34-3	1,1-Dichloroethane	ND		54	6.6
75-35-4	1,1-Dichloroethene	ND		54	6.7
120-82-1	1,2,4-Trichlorobenzene	ND		54	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		54	27
95-50-1	1,2-Dichlorobenzene	190		54	4.3
107-06-2	1,2-Dichloroethane	ND		54	2.7
78-87-5	1,2-Dichloropropane	ND		54	27
541-73-1	1,3-Dichlorobenzene	ND		54	2.8
106-46-7	1,4-Dichlorobenzene	9.8	J	54	7.6
78-93-3	2-Butanone (MEK)	ND	*	270	20
591-78-6	2-Hexanone	ND		270	27
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		270	18
67-64-1	Acetone	ND		270	46
71-43-2	Benzene	ND		54	2.7
75-25-2	Bromoform	ND		54	27
74-83-9	Bromomethane	ND		54	4.9
75-15-0	Carbon disulfide	ND		54	27
56-23-5	Carbon tetrachloride	ND		54	5.3
108-90-7	Chlorobenzene	10	J	54	7.2
124-48-1	Dibromochloromethane	ND		54	7.0
75-00-3	Chloroethane	ND		54	12
67-66-3	Chloroform	ND		54	3.4
74-87-3	Chloromethane	ND		54	3.3
156-59-2	cis-1,2-Dichloroethene	240		54	7.0
110-82-7	Cyclohexane	ND		54	7.6
75-27-4	Bromodichloromethane	ND		54	7.3
75-71-8	Dichlorodifluoromethane	ND		54	4.5
100-41-4	Ethylbenzene	80		54	3.8
106-93-4	1,2-Dibromoethane	ND		54	7.0
98-82-8	Isopropylbenzene	ND		54	8.2
79-20-9	Methyl acetate	ND		54	33

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S1 | Lab Sample ID: 480-91710-6

Matrix: Solid | Lab File ID: F2871.D

Analysis Method: 8260C | Date Collected: 11/24/2015 13:20

Sample wt/vol: 0.5(g) | Date Analyzed: 11/28/2015 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		54	5.3
108-87-2	Methylcyclohexane	ND		54	8.3
75-09-2	Methylene Chloride	ND		54	25
127-18-4	Tetrachloroethene	15000	E	54	7.3
108-88-3	Toluene	71		54	4.1
156-60-5	trans-1,2-Dichloroethene	ND		54	5.6
10061-02-6	trans-1,3-Dichloropropene	ND		54	24
79-01-6	Trichloroethene	2500	E	54	12
75-69-4	Trichlorofluoromethane	ND		54	5.2
75-01-4	Vinyl chloride	ND		54	6.6
1330-20-7	Xylenes, Total	300		110	9.1
10061-01-5	cis-1,3-Dichloropropene	ND		54	7.8
100-42-5	Styrene	ND		54	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		64-126
460-00-4	4-Bromofluorobenzene (Surr)	72		72-126
2037-26-5	Toluene-d8 (Surr)	83		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D
Lims ID: 480-91710-A-6-B Lab Sample ID: 480-91710-6
Client ID: B22-POLEBARN-S1
Sample Type: Client
Inject. Date: 28-Nov-2015 03:22:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91710-A-6-B
Misc. Info.: 480-0048754-020
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Nov-2015 20:46:03 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: diasn Date: 29-Nov-2015 20:46:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	155997	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	303277	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	208685	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.133	0.006	0	82924	43.4	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	519641	41.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	89	120846	35.8	
10 Dichlorodifluoromethane	85		1.914				ND	
12 Chloromethane	50		2.066				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	95	166452	38.0	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43	3.192	3.180	0.012	96	4102	2.46	
26 Carbon disulfide	76	3.338	3.338	0.000	99	15206	1.04	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.514	3.508	0.006	94	4511	0.8023	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.031				ND	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96	4.482	4.476	0.006	80	117651	22.1	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	39	13319	1.95	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95	5.686	5.686	0.000	98	1138432	231.4	E
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.149				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92	6.818	6.818	0.000	98	78874	6.56	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166	7.341	7.341	0.000	90	6648193	1375.1	E
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112	8.217	8.223	-0.006	95	12549	0.9546	
88 Ethylbenzene	91	8.290	8.290	0.000	98	160381	7.37	
90 m-Xylene & p-Xylene	106	8.400	8.406	-0.006	99	218999	23.4	
91 o-Xylene	106	8.838	8.837	0.001	98	41503	4.92	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146	10.553	10.559	-0.006	44	6935	0.8993	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	125519	17.6	
117 1,2-Dibromo-3-Chloropropan	75		11.581				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1				0		28.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

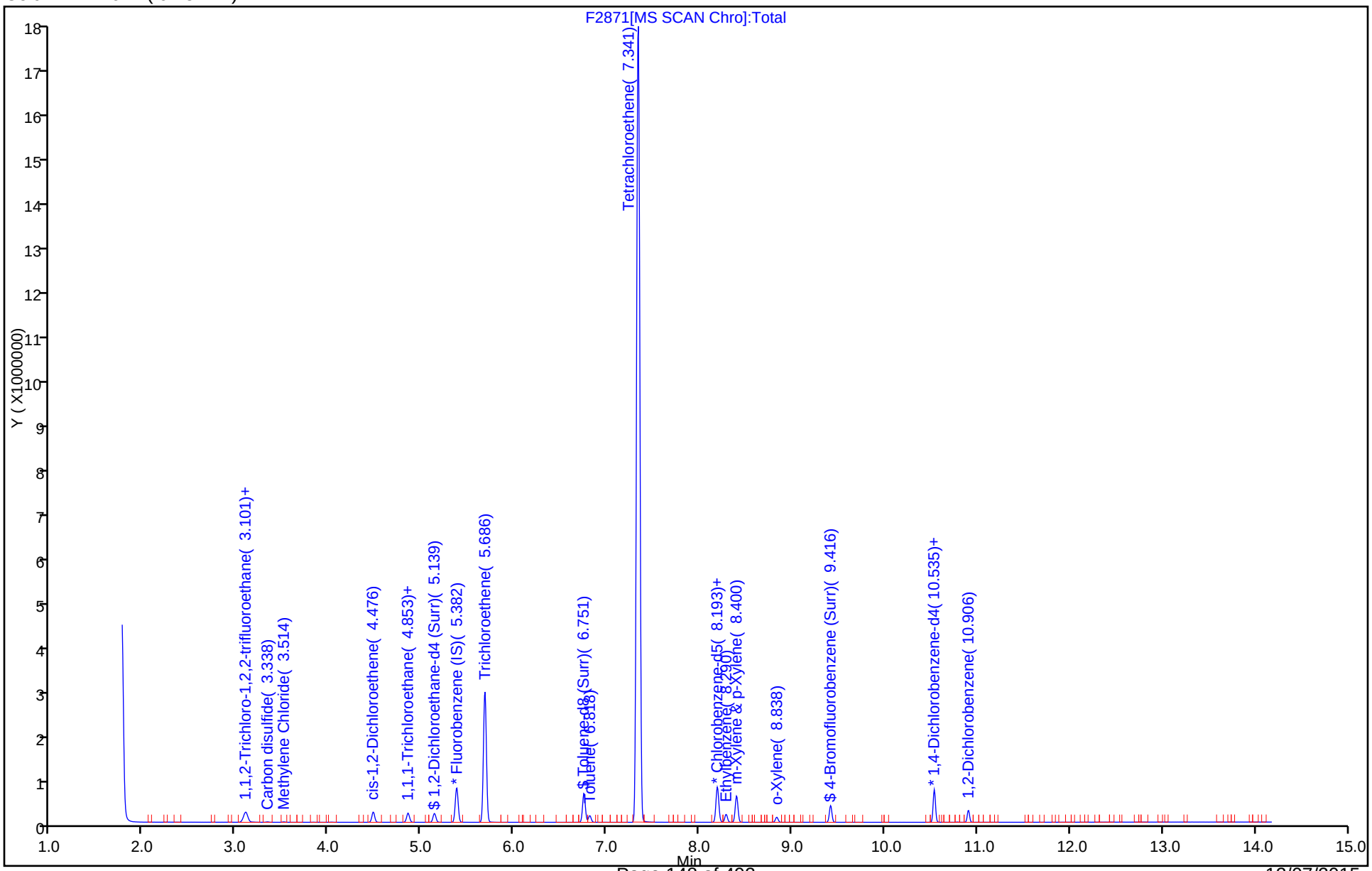
Report Date: 29-Nov-2015 20:46:03 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D

Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6	Worklist Smp#:	20
Client ID:	B22-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



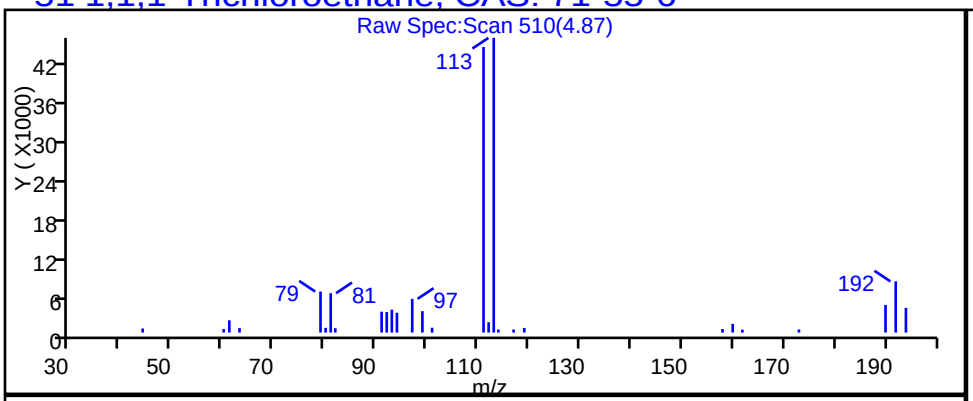
Report Date: 29-Nov-2015 20:46:04 Chrom Revision: 2.2 08-Oct-2015 07:17:48

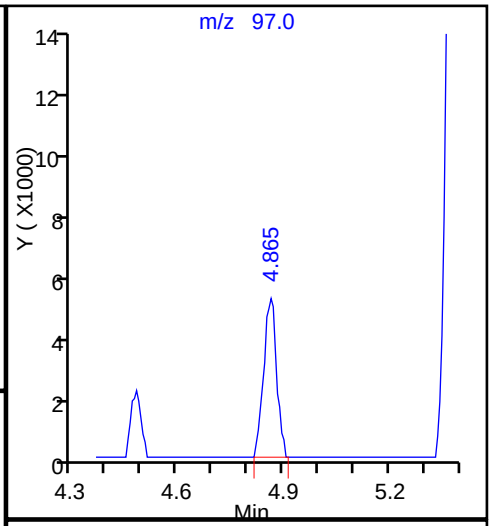
TestAmerica Buffalo

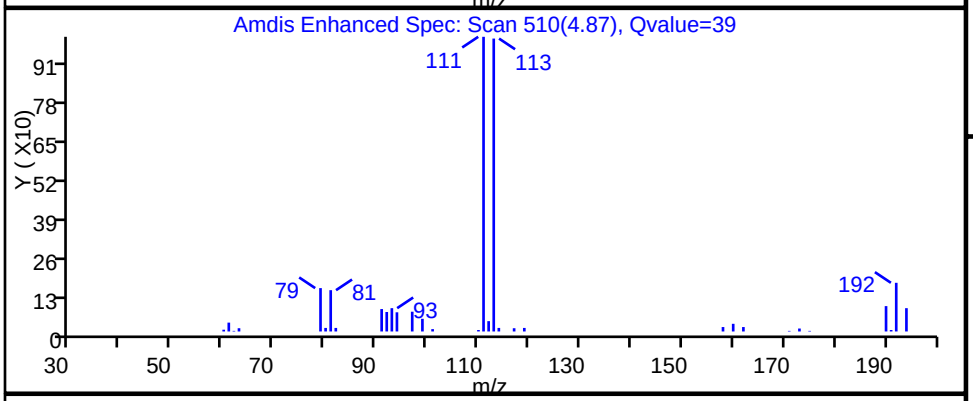
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D

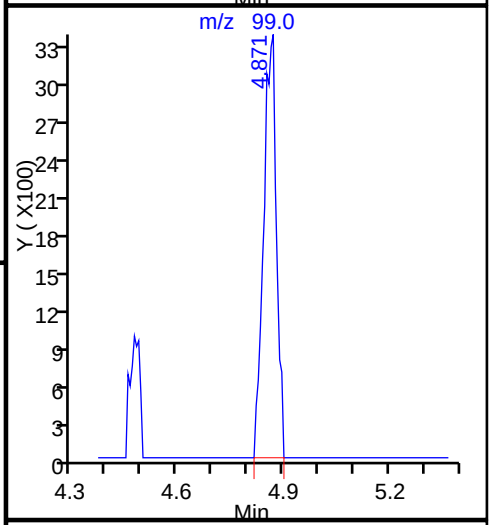
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

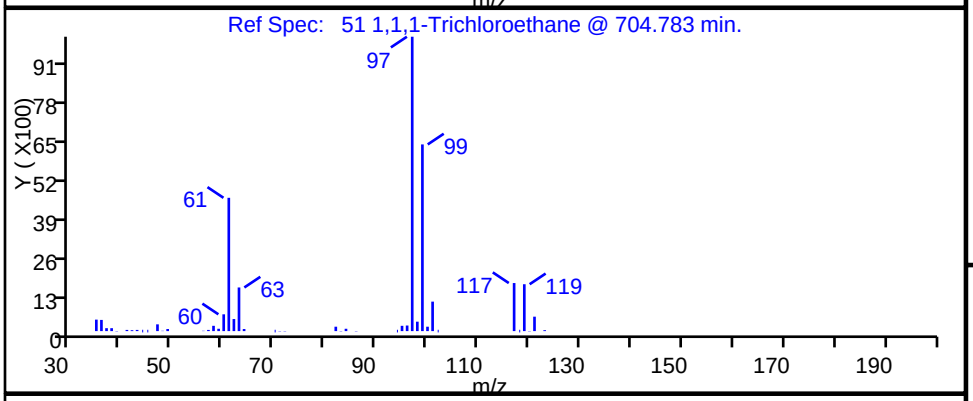
51 1,1,1-Trichloroethane, CAS: 71-55-6

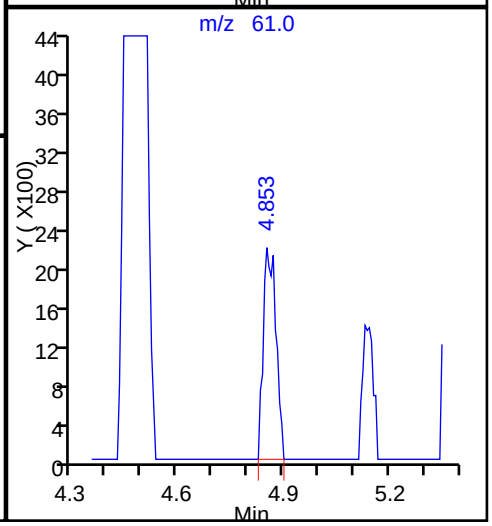


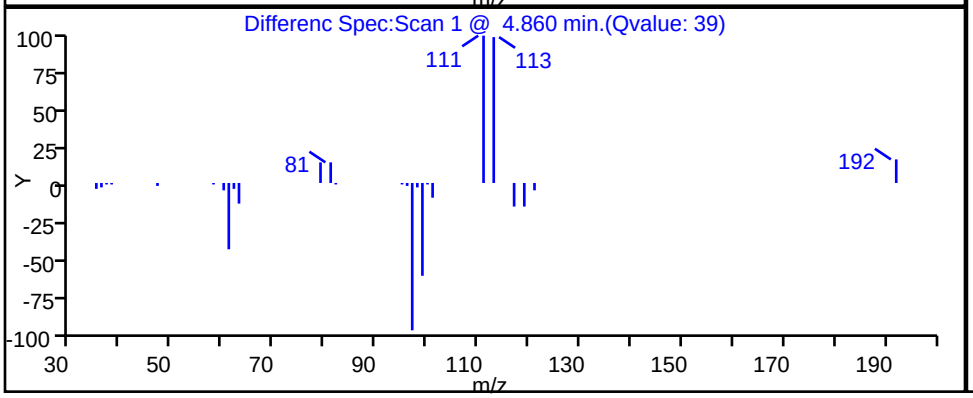










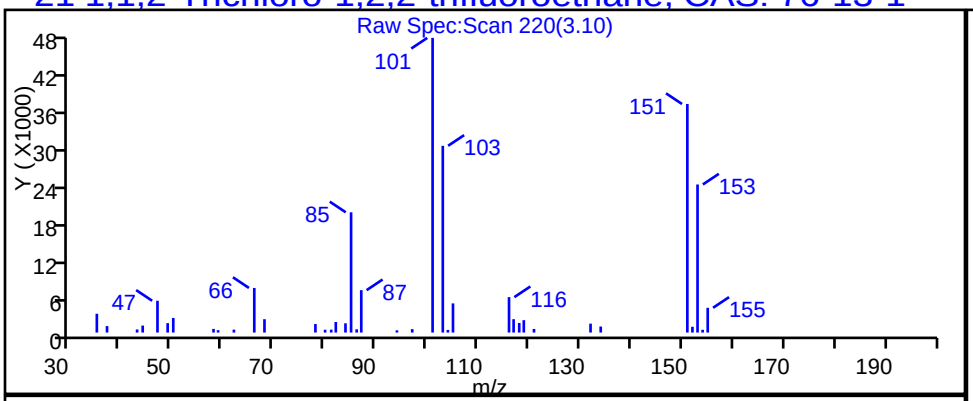


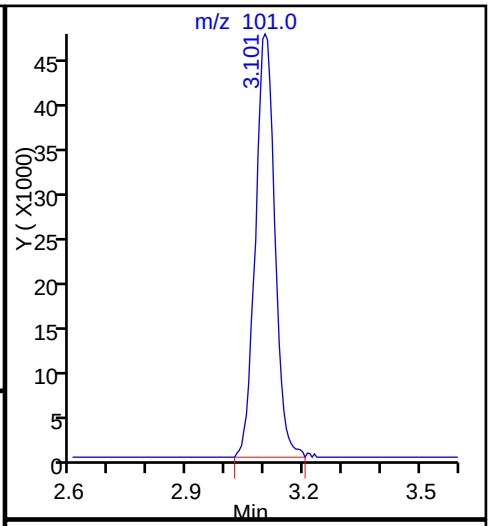
TestAmerica Buffalo

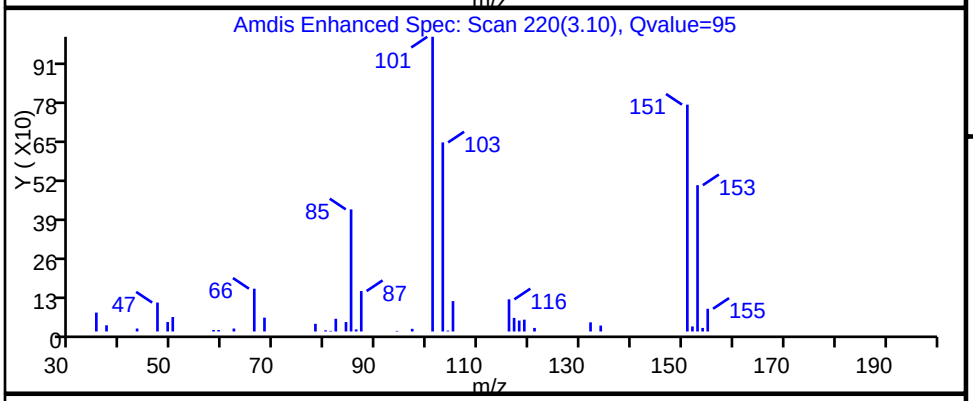
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D

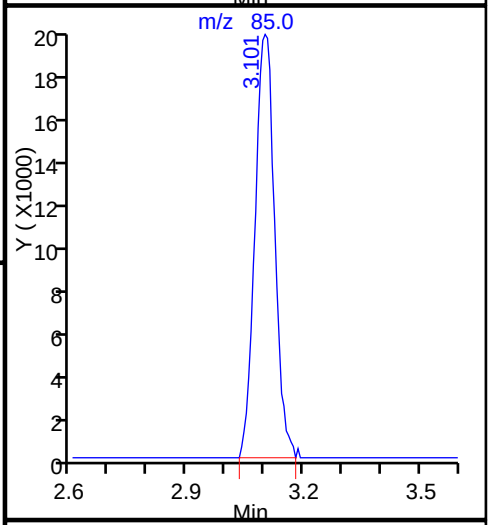
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6
Client ID:	B22-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	20 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

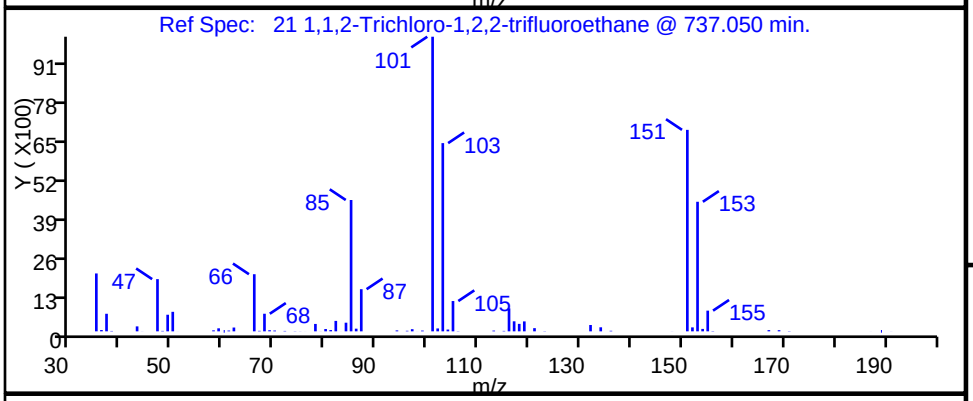
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

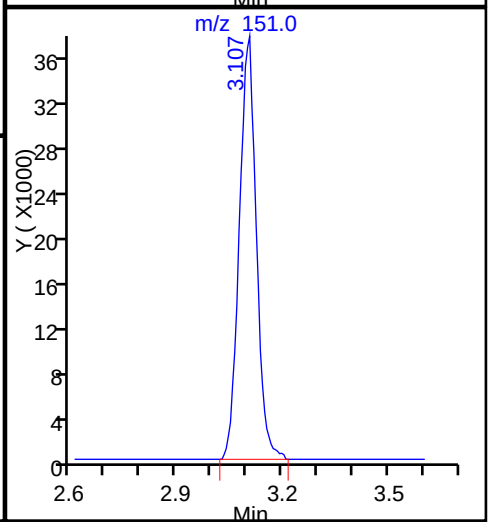


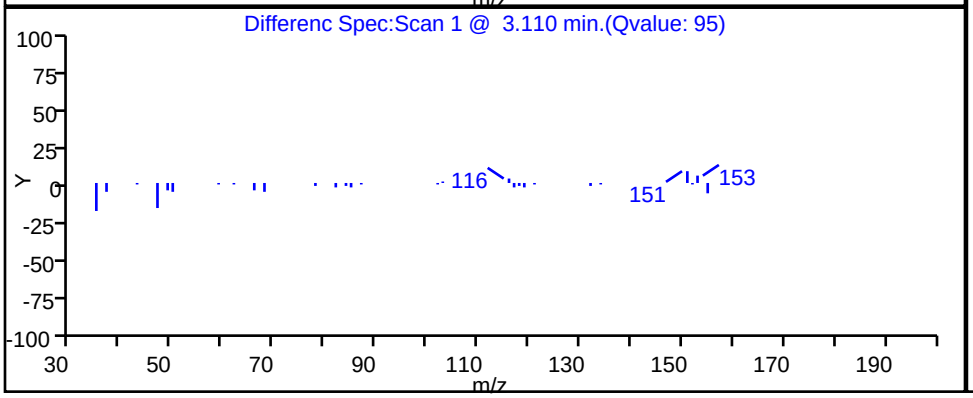












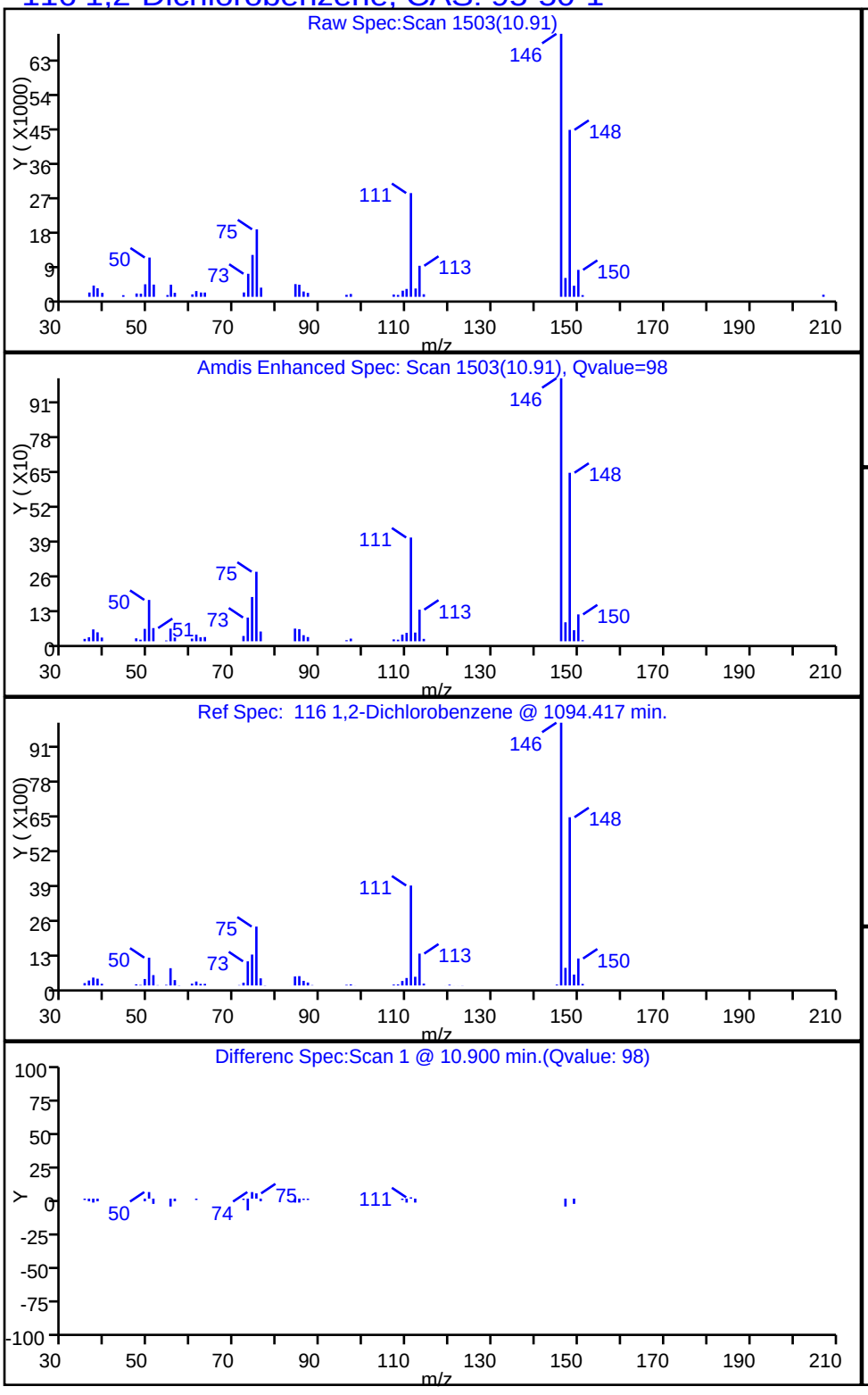
Report Date: 29-Nov-2015 20:46:04 Chrom Revision: 2.2 08-Oct-2015 07:17:48

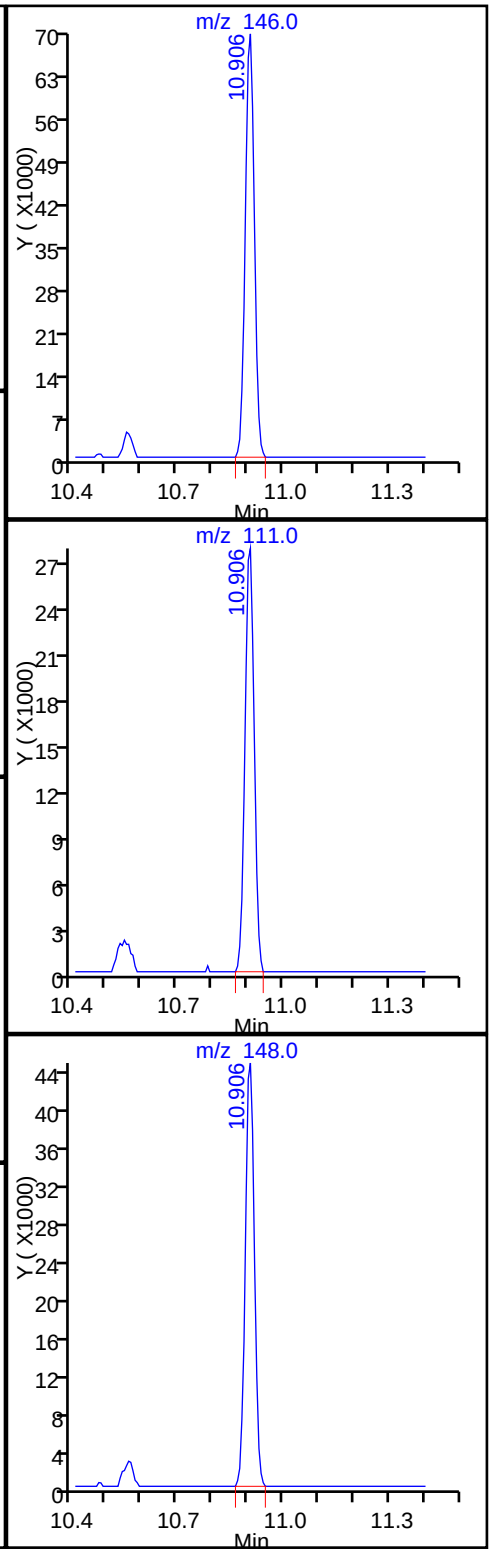
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D

Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

116 1,2-Dichlorobenzene, CAS: 95-50-1





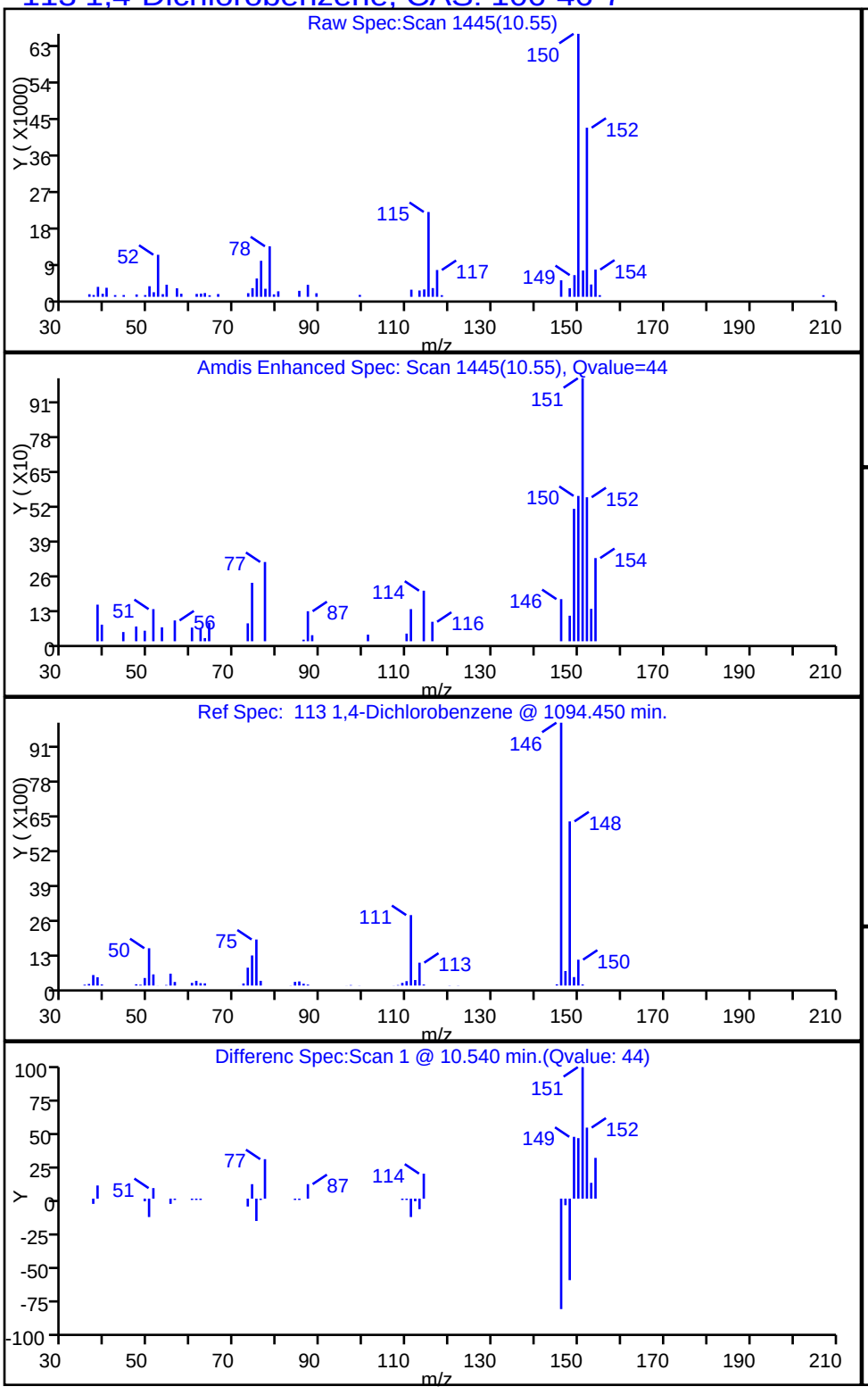
Report Date: 29-Nov-2015 20:46:04 Chrom Revision: 2.2 08-Oct-2015 07:17:48

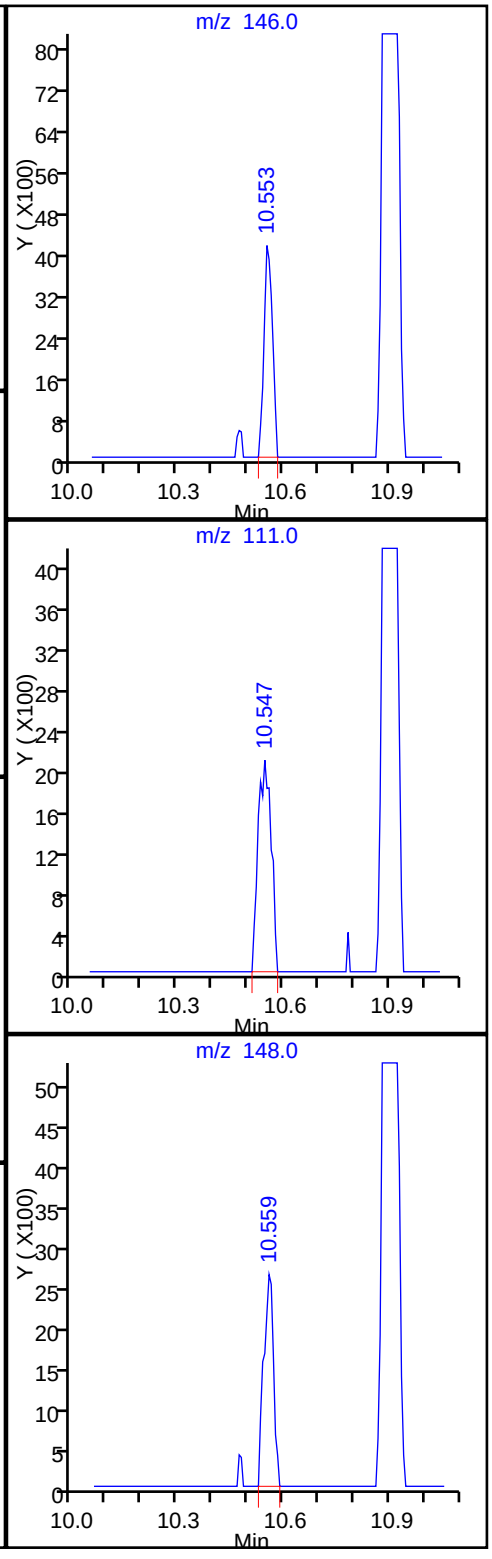
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D

Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

113 1,4-Dichlorobenzene, CAS: 106-46-7

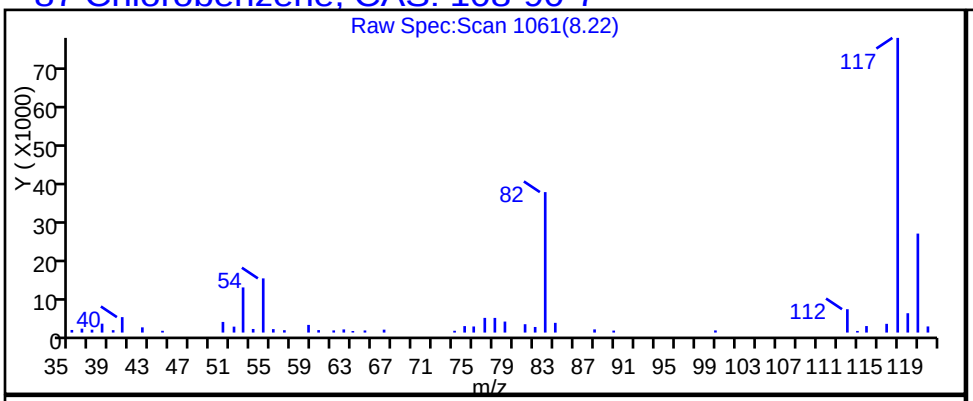


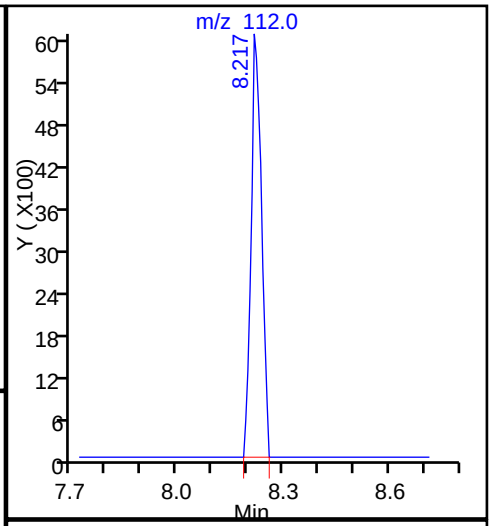


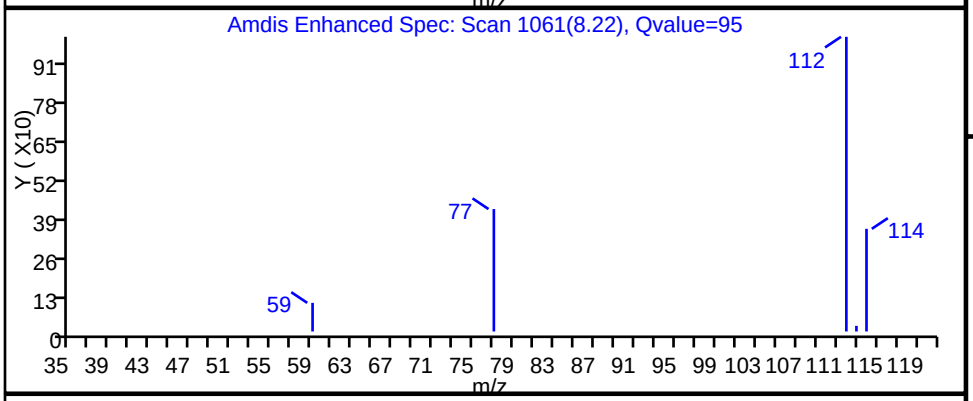
TestAmerica Buffalo

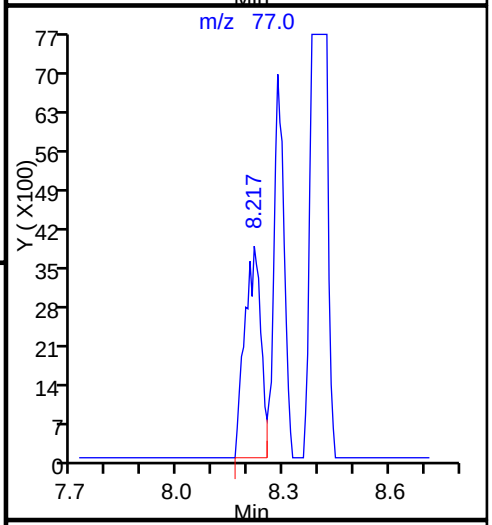
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D				
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

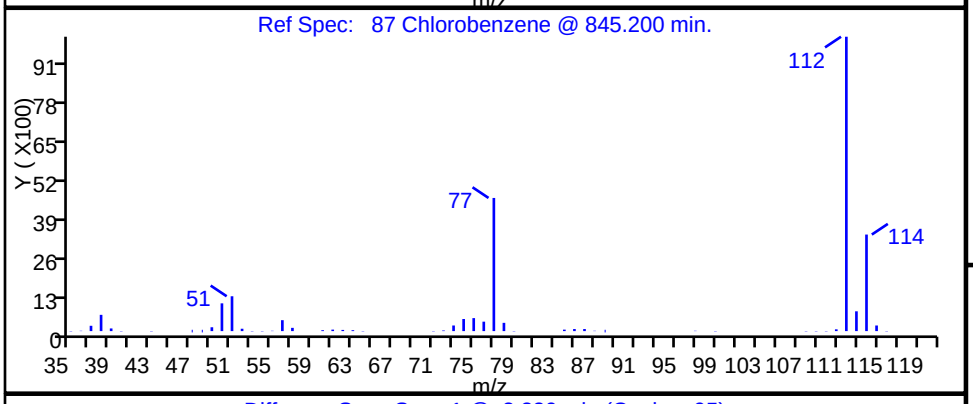
87 Chlorobenzene, CAS: 108-90-7

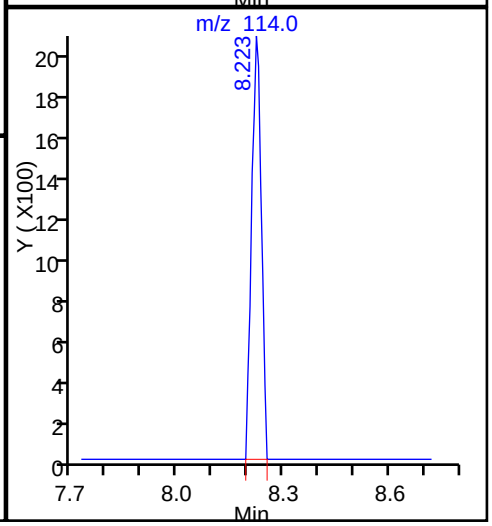


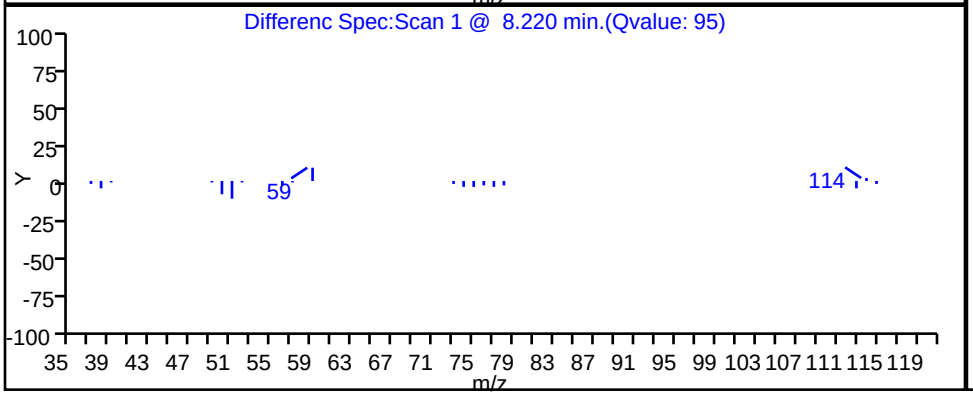








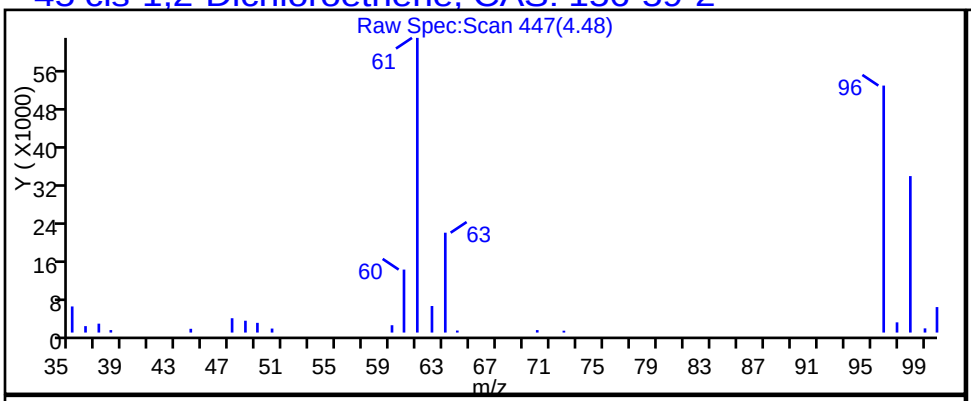


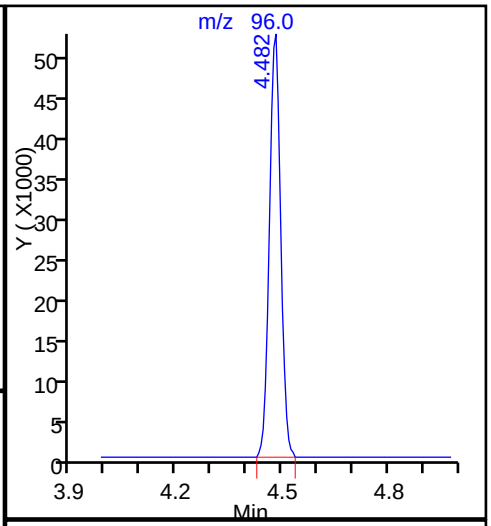


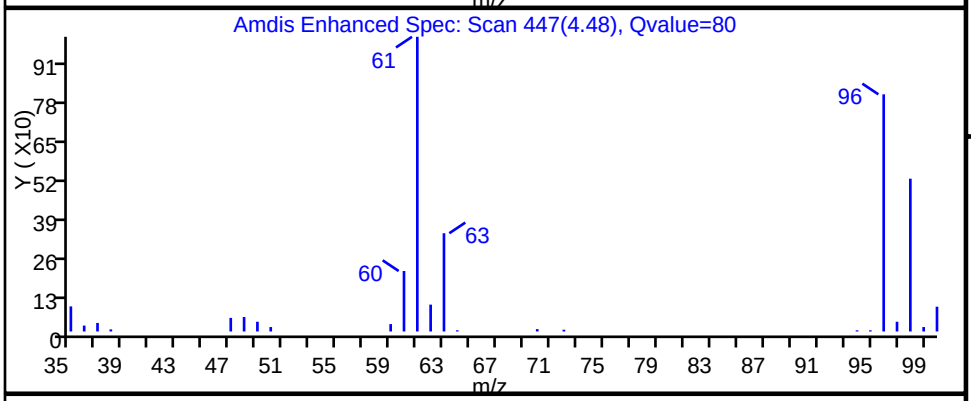
TestAmerica Buffalo

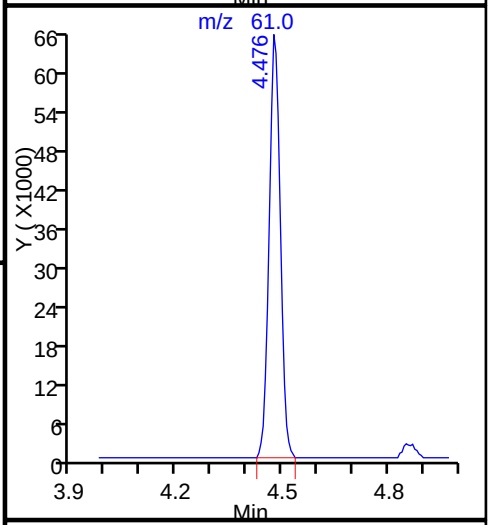
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D				
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

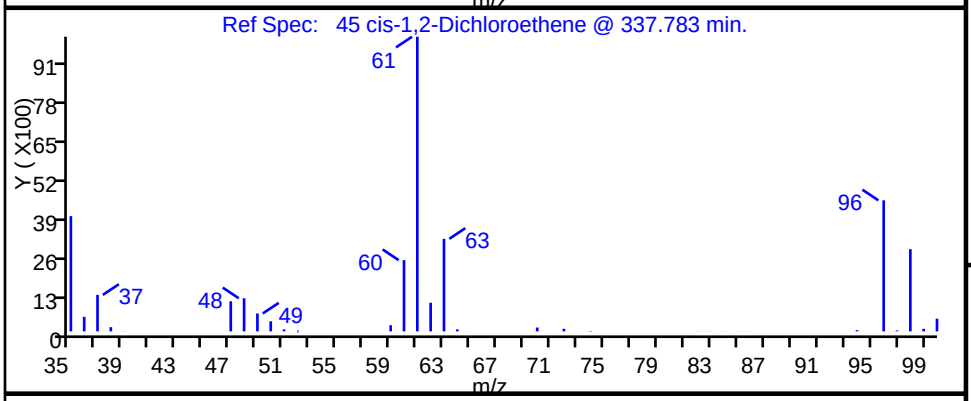
45 cis-1,2-Dichloroethene, CAS: 156-59-2

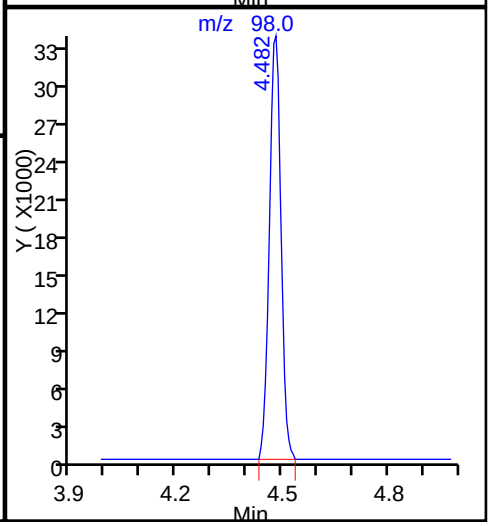


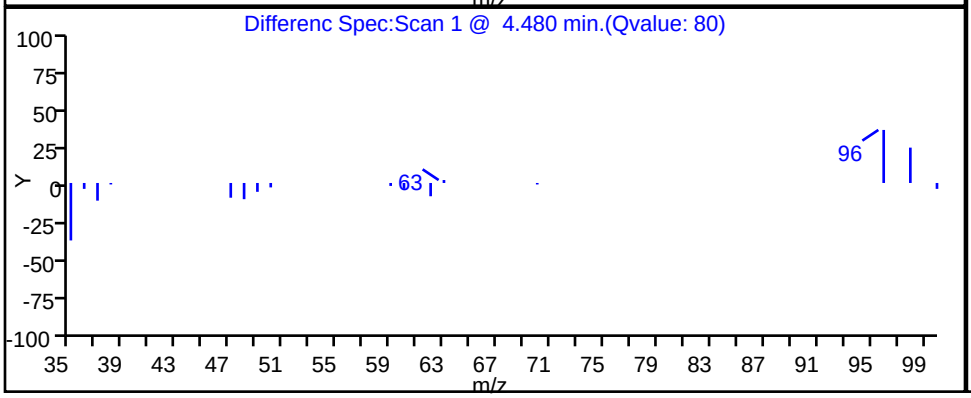








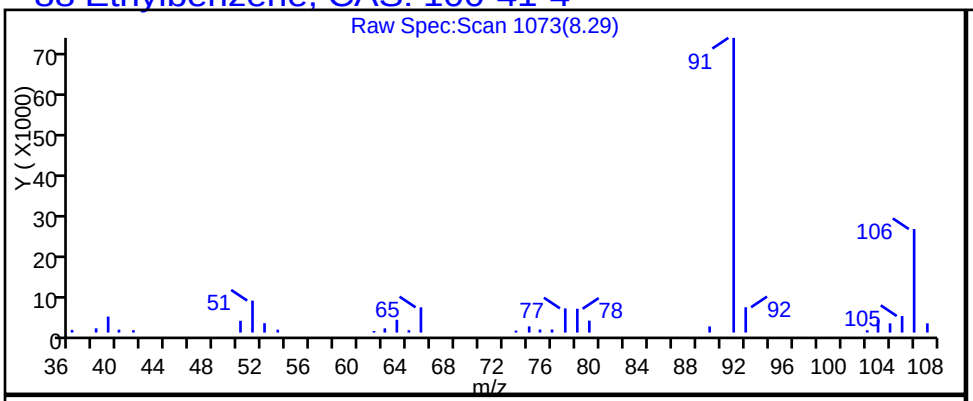


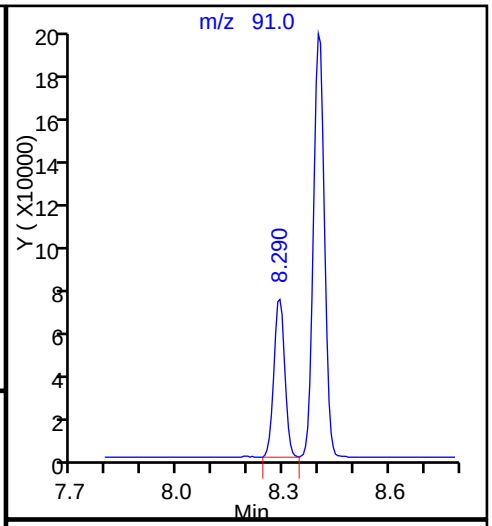


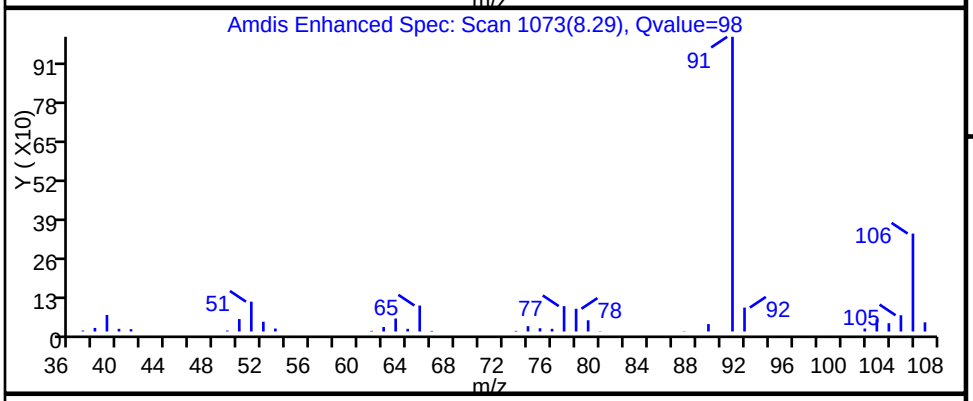
TestAmerica Buffalo

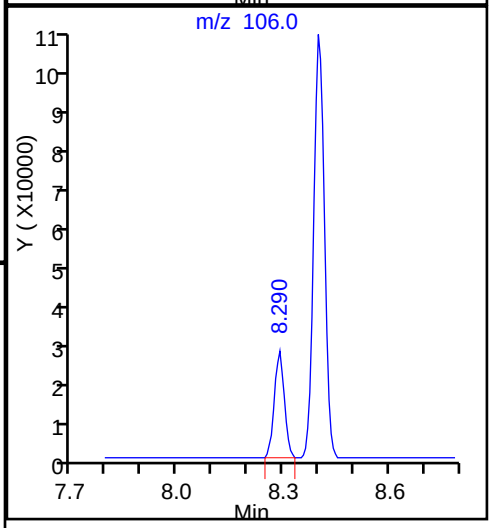
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D				
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

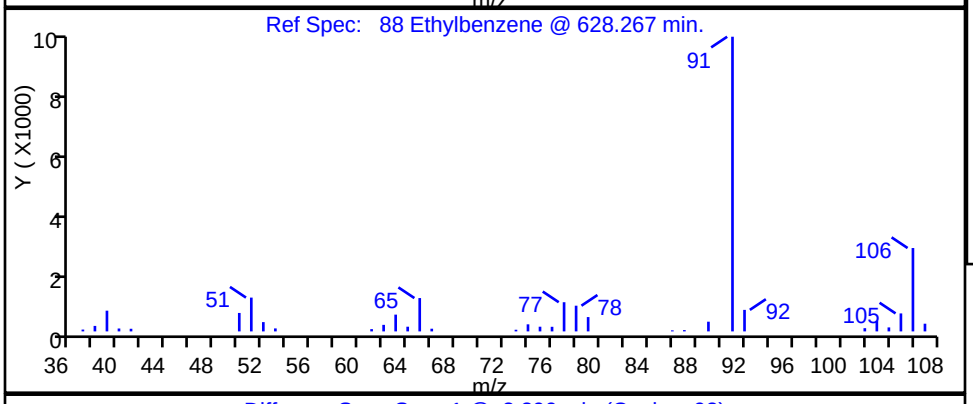
88 Ethylbenzene, CAS: 100-41-4

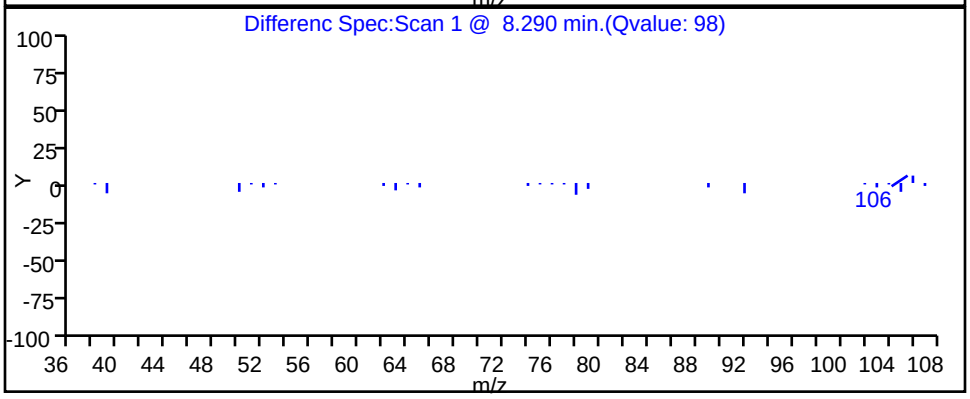










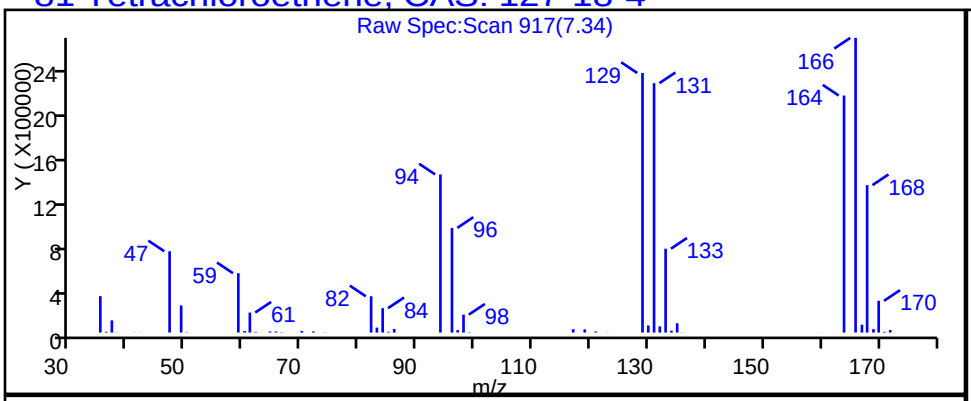


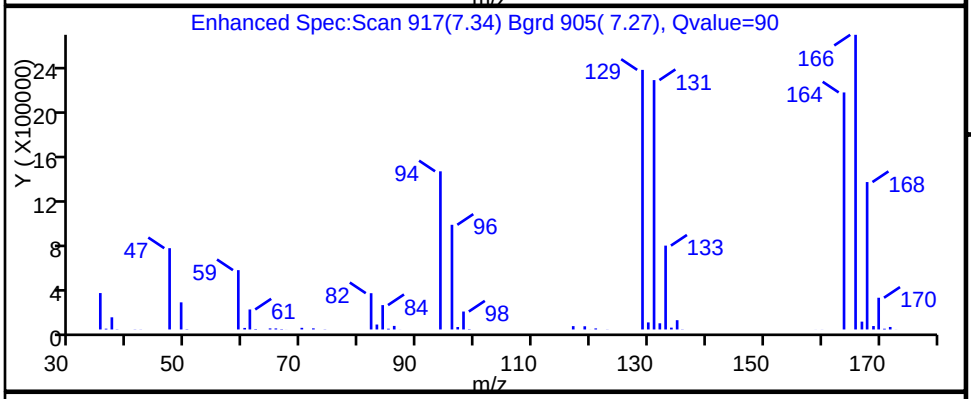
TestAmerica Buffalo

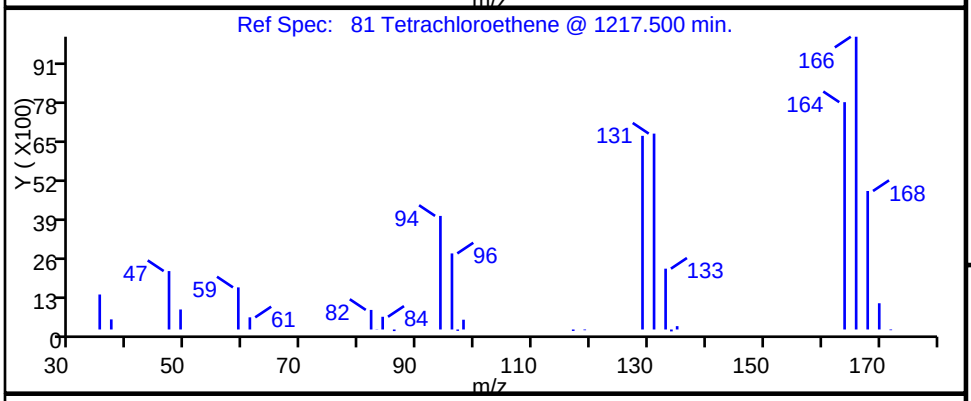
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D

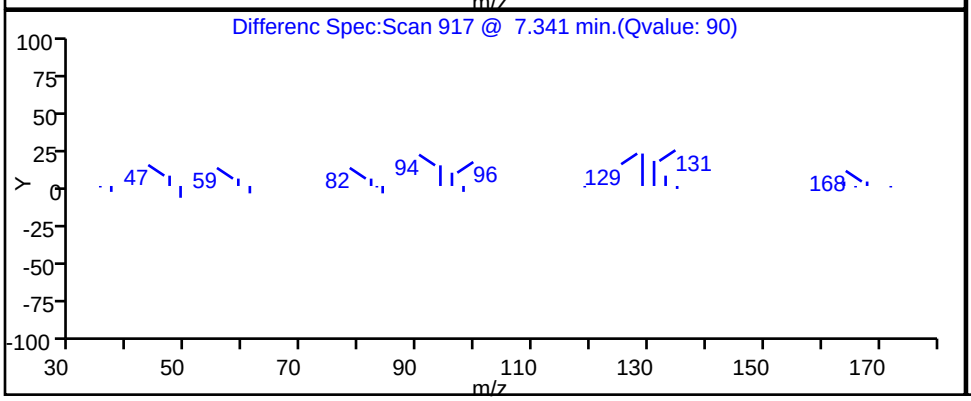
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6
Client ID:	B22-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	20 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

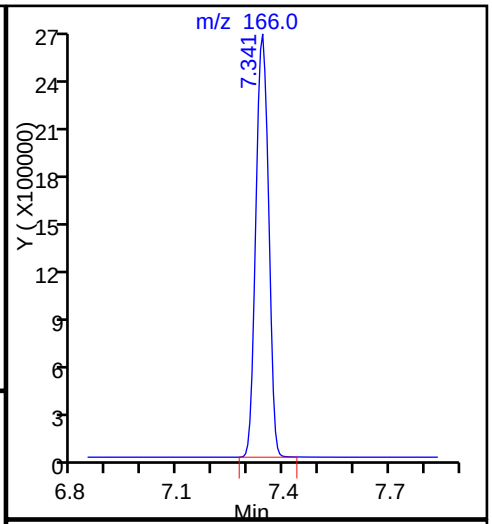
81 Tetrachloroethene, CAS: 127-18-4

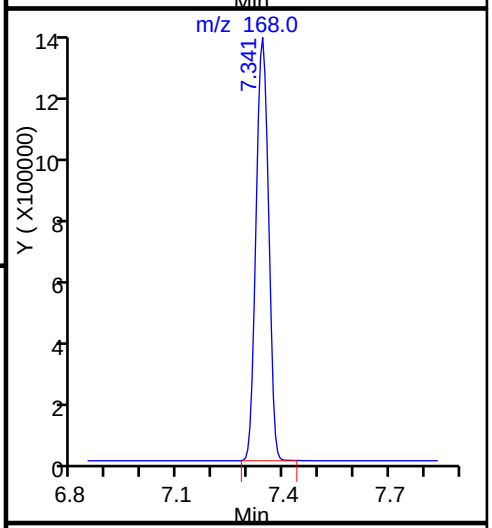


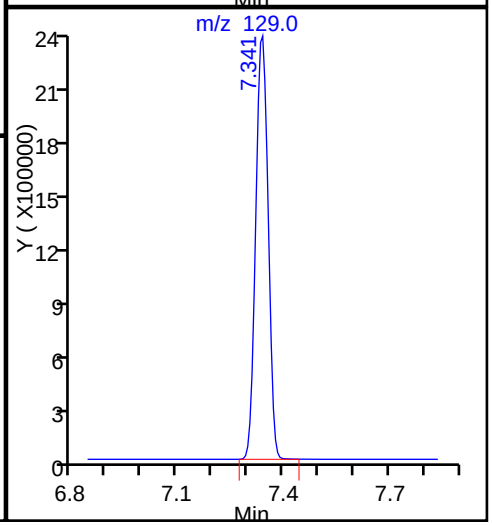








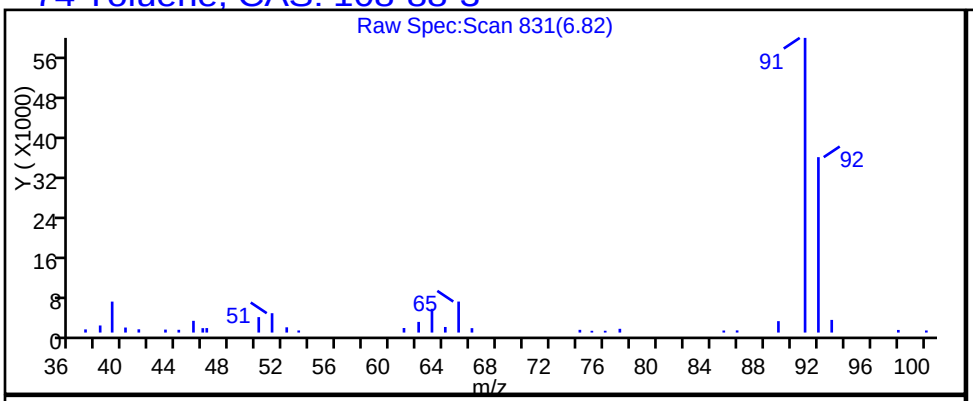


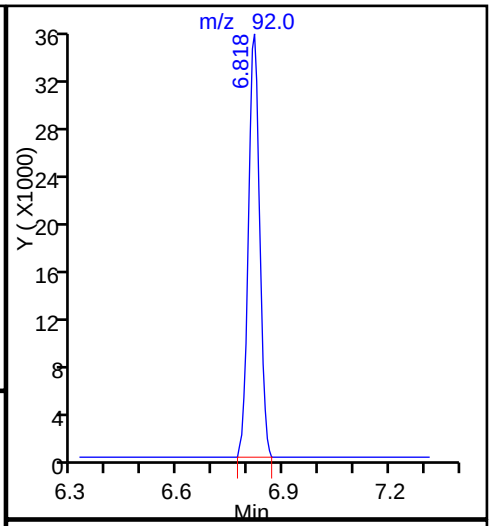


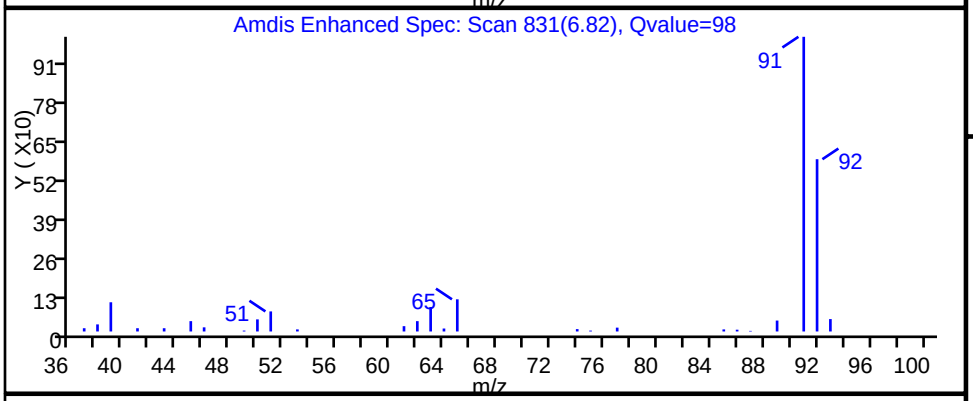
TestAmerica Buffalo

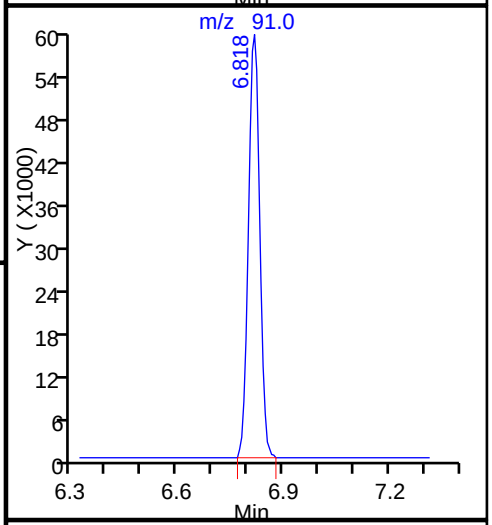
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D		
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6
Client ID:	B22-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	20 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

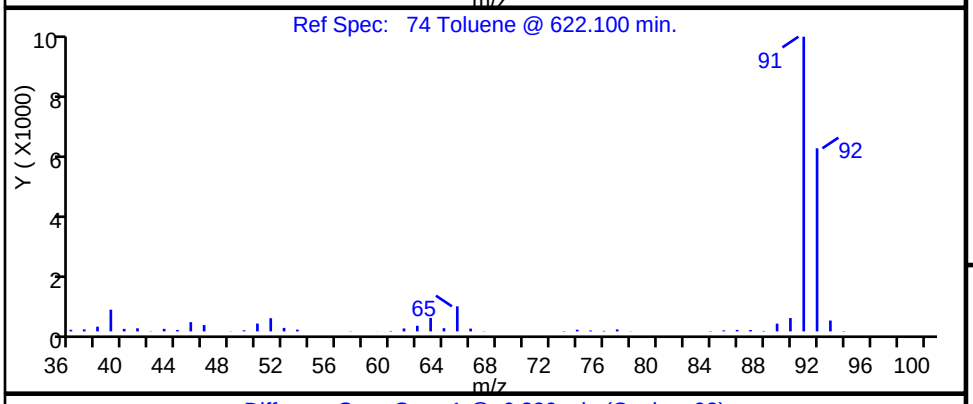
74 Toluene, CAS: 108-88-3

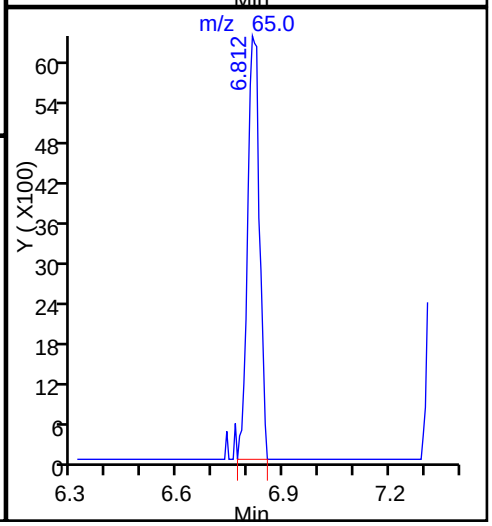


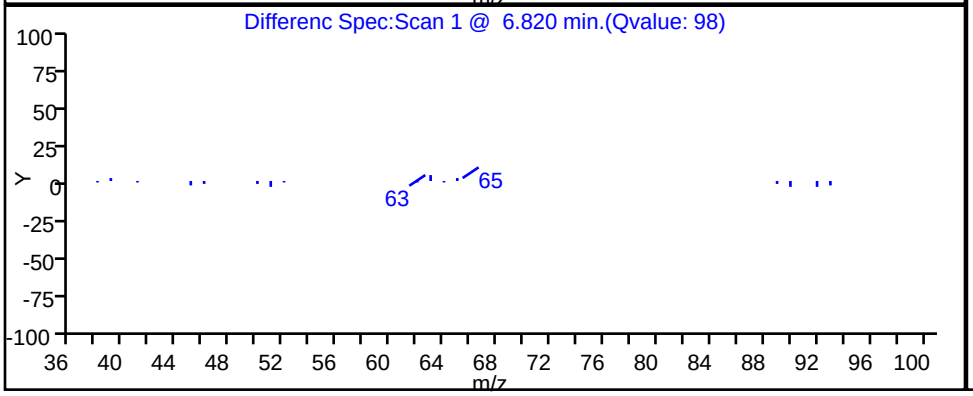












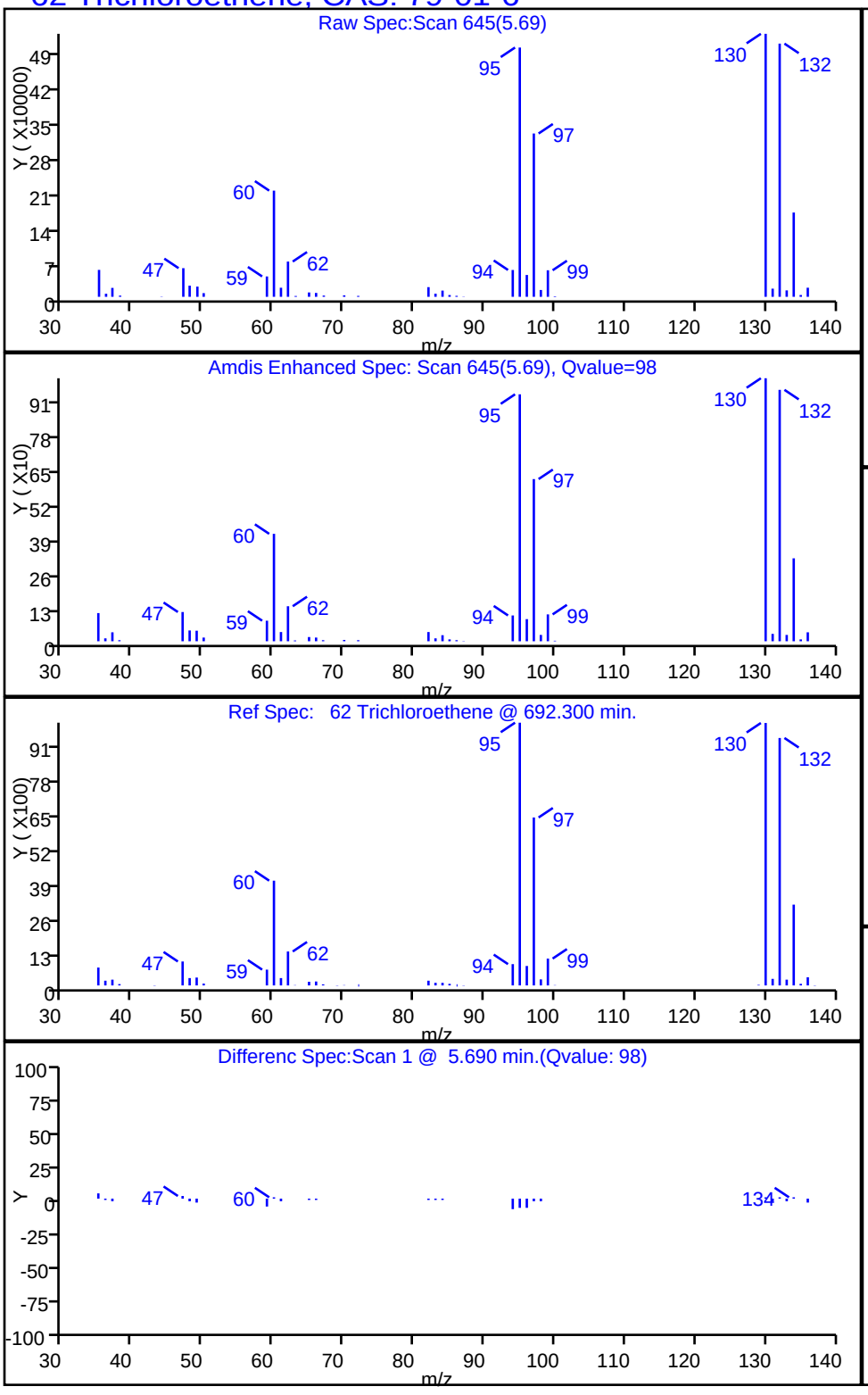
Report Date: 29-Nov-2015 20:46:04 Chrom Revision: 2.2 08-Oct-2015 07:17:48

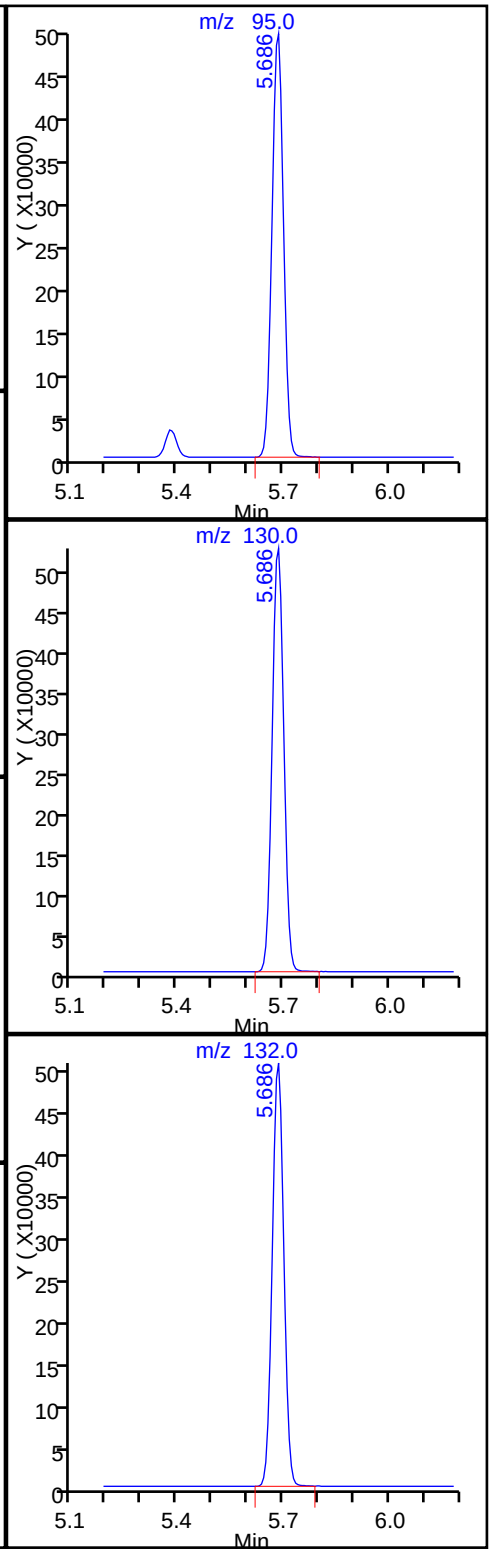
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D

Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

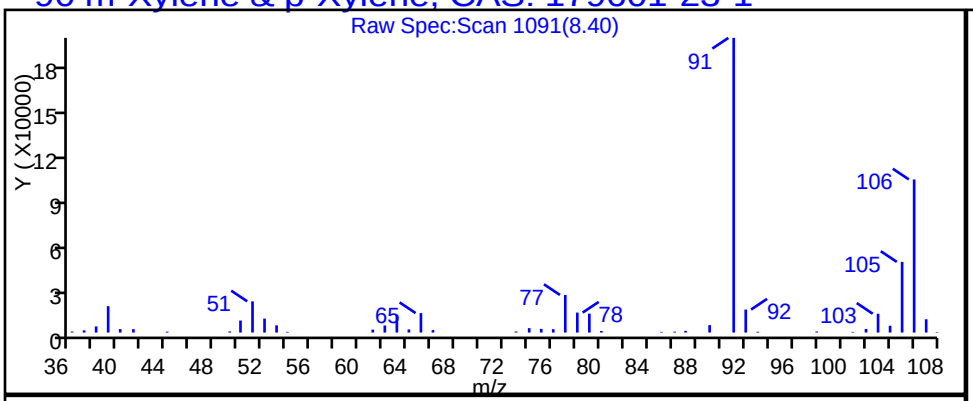


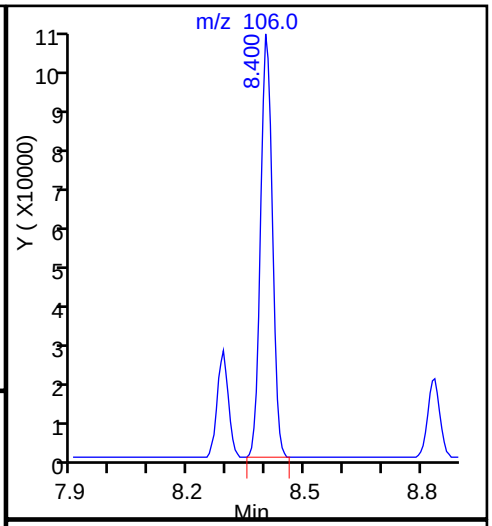


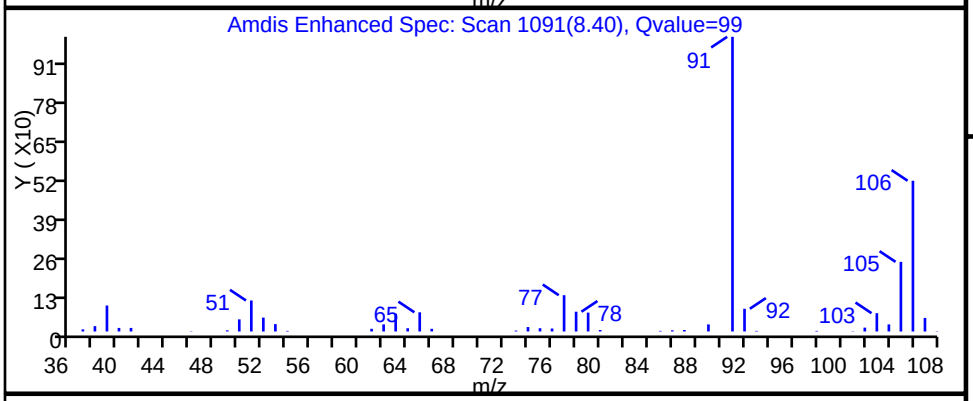
TestAmerica Buffalo

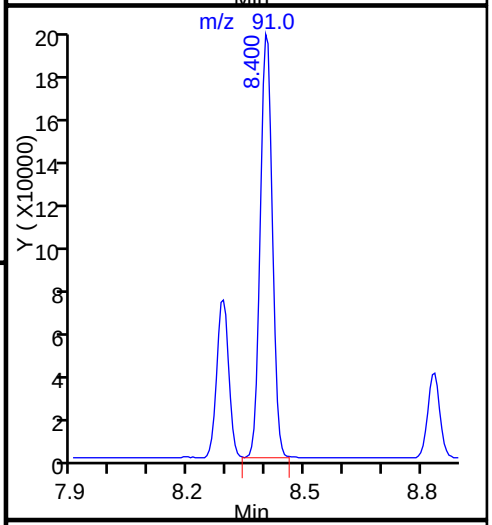
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D				
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

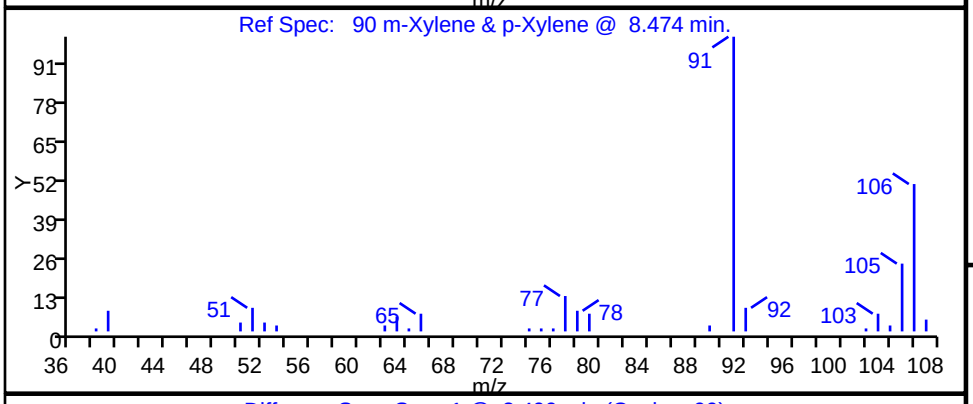
90 m-Xylene & p-Xylene, CAS: 179601-23-1

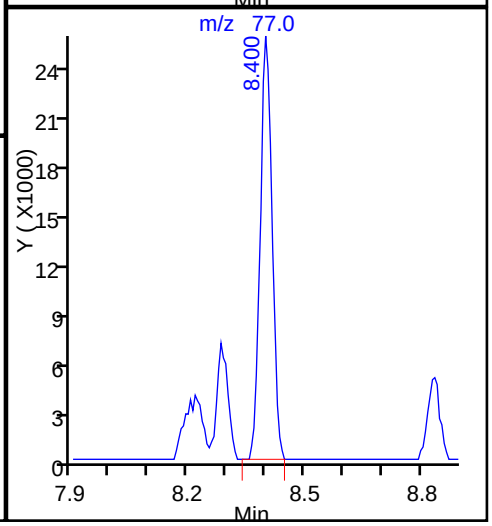


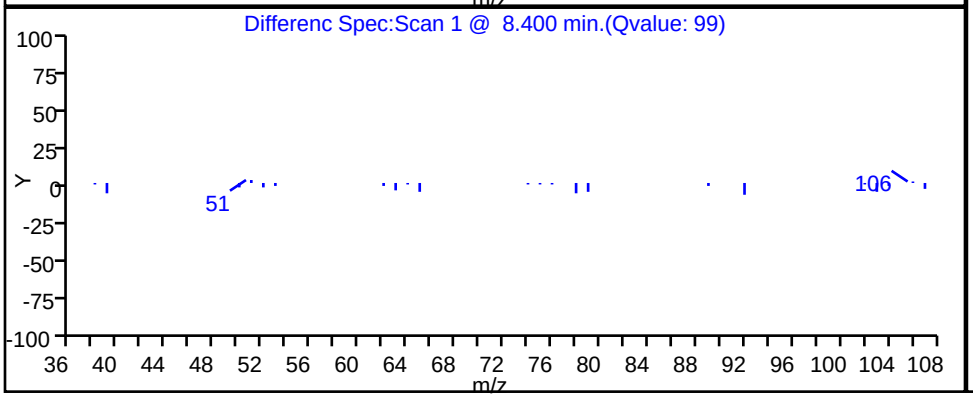








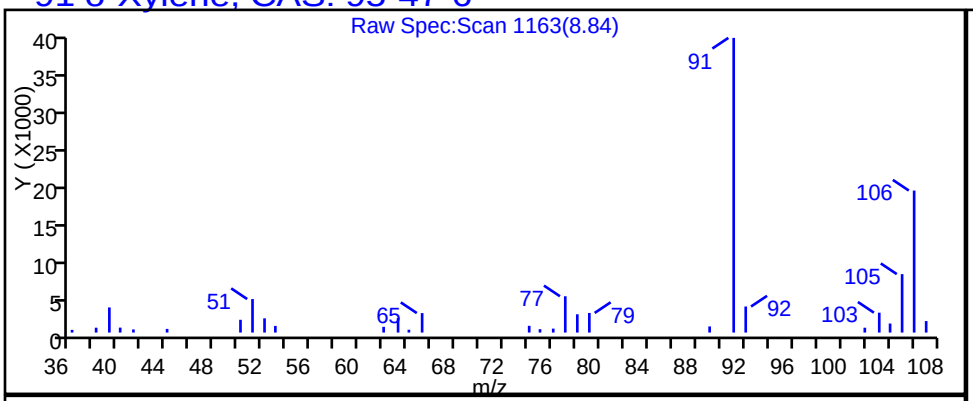


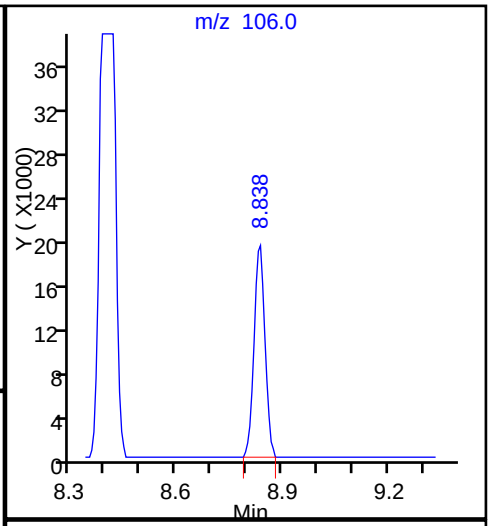


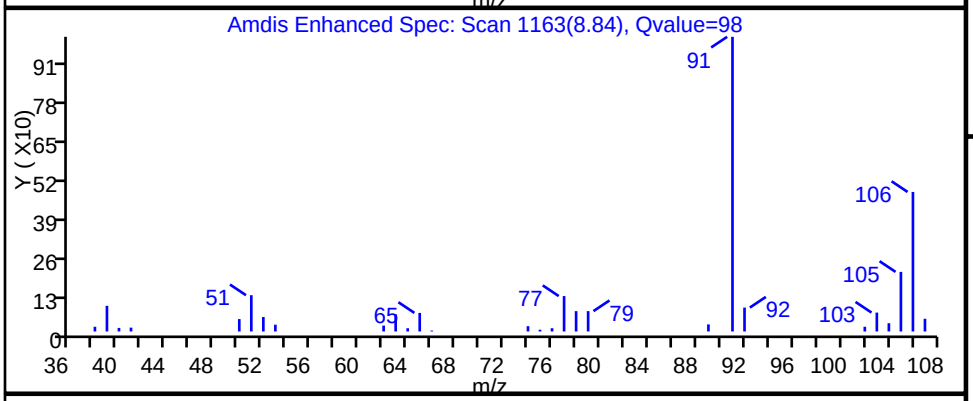
TestAmerica Buffalo

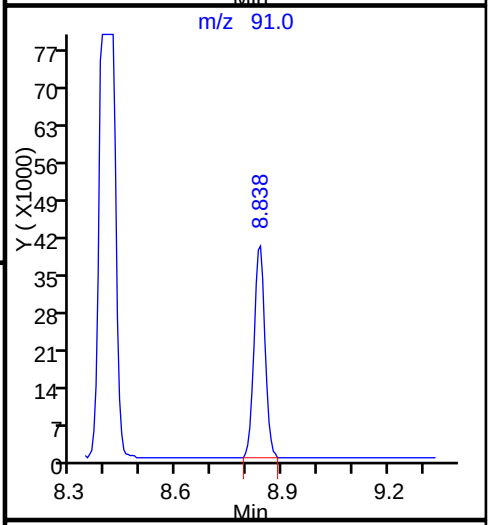
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2871.D		
Injection Date:	28-Nov-2015 03:22:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-6-B	Lab Sample ID:	480-91710-6
Client ID:	B22-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	20 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

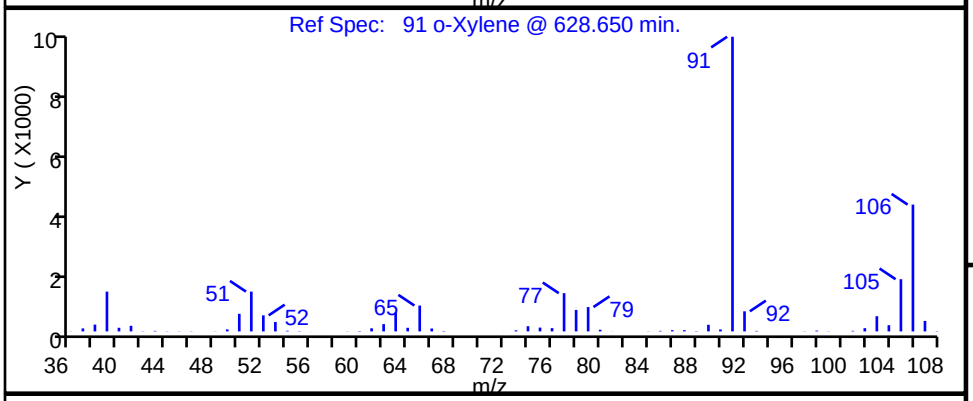
91 o-Xylene, CAS: 95-47-6

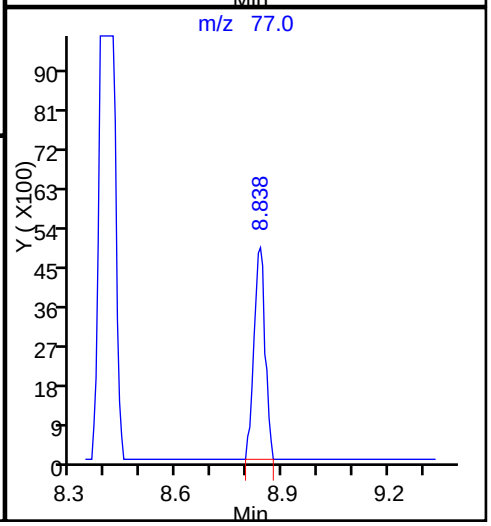


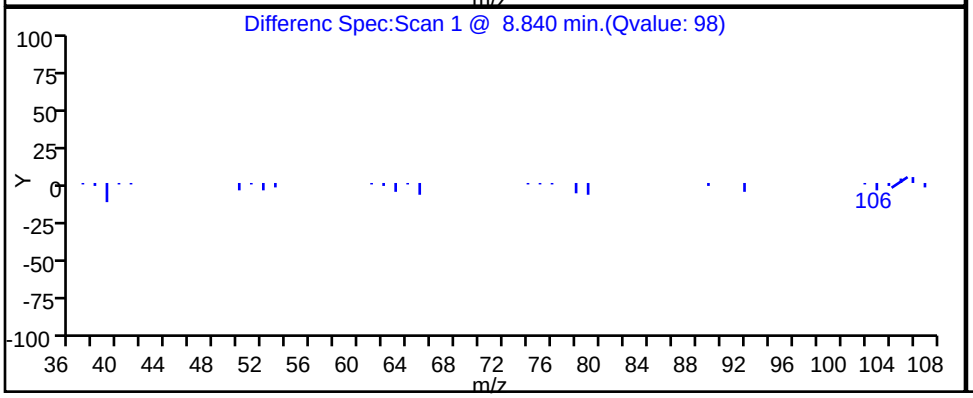












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S1 DL | Lab Sample ID: 480-91710-6 DL

Matrix: Solid | Lab File ID: N5050.D

Analysis Method: 8260C | Date Collected: 11/24/2015 13:20

Sample wt/vol: 5.01(g) | Date Analyzed: 11/30/2015 16:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Medium

Analysis Batch No.: 277340 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	310
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5900		1100	570
79-00-5	1,1,2-Trichloroethane	ND		1100	240
75-34-3	1,1-Dichloroethane	ND		1100	350
75-35-4	1,1-Dichloroethene	ND		1100	390
120-82-1	1,2,4-Trichlorobenzene	ND		1100	430
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	570
95-50-1	1,2-Dichlorobenzene	1000	J	1100	290
107-06-2	1,2-Dichloroethane	ND		1100	460
78-87-5	1,2-Dichloropropane	ND		1100	180
541-73-1	1,3-Dichlorobenzene	ND		1100	300
106-46-7	1,4-Dichlorobenzene	ND		1100	160
78-93-3	2-Butanone (MEK)	ND	*	5700	3400
591-78-6	2-Hexanone	ND		5700	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5700	360
67-64-1	Acetone	ND		5700	4600
71-43-2	Benzene	ND		1100	210
75-25-2	Bromoform	ND		1100	570
74-83-9	Bromomethane	ND		1100	250
75-15-0	Carbon disulfide	ND		1100	510
56-23-5	Carbon tetrachloride	ND		1100	290
108-90-7	Chlorobenzene	ND		1100	150
124-48-1	Dibromochloromethane	ND		1100	550
75-00-3	Chloroethane	ND		1100	240
67-66-3	Chloroform	ND		1100	780
74-87-3	Chloromethane	ND		1100	270
156-59-2	cis-1,2-Dichloroethene	ND		1100	310
110-82-7	Cyclohexane	ND		1100	250
75-27-4	Bromodichloromethane	ND		1100	230
75-71-8	Dichlorodifluoromethane	ND		1100	490
100-41-4	Ethylbenzene	ND		1100	330
106-93-4	1,2-Dibromoethane	ND		1100	200
98-82-8	Isopropylbenzene	ND		1100	170
79-20-9	Methyl acetate	ND		1100	540

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S1 DL | Lab Sample ID: 480-91710-6 DL

Matrix: Solid | Lab File ID: N5050.D

Analysis Method: 8260C | Date Collected: 11/24/2015 13:20

Sample wt/vol: 5.01(g) | Date Analyzed: 11/30/2015 16:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Medium

Analysis Batch No.: 277340 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1100	430
108-87-2	Methylcyclohexane	ND		1100	530
75-09-2	Methylene Chloride	ND		1100	220
127-18-4	Tetrachloroethene	60000		1100	150
108-88-3	Toluene	ND		1100	300
156-60-5	trans-1,2-Dichloroethene	ND		1100	270
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	4700		1100	310
75-69-4	Trichlorofluoromethane	ND		1100	530
75-01-4	Vinyl chloride	ND		1100	380
1330-20-7	Xylenes, Total	1100	J	2300	630
10061-01-5	cis-1,3-Dichloropropene	ND		1100	270
100-42-5	Styrene	ND		1100	270

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
2037-26-5	Toluene-d8 (Surr)	88		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D
Lims ID: 480-91710-A-6-C Lab Sample ID: 480-91710-6
Client ID: B22-POLEBARN-S1
Sample Type: Client
Inject. Date: 30-Nov-2015 16:38:30 ALS Bottle#: 45 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-91710-A-6-C
Misc. Info.: 480-0048783-017
Operator ID: gtg Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 18:21:15 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: o'briens Date: 30-Nov-2015 18:21:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	99	85309	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	330561	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	94	166491	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	120293	25.3	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	344022	22.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	93	115187	24.3	
11 Dichlorodifluoromethane	85		1.377				ND	
13 Chloromethane	50		1.547				ND	
14 Vinyl chloride	62		1.657				ND	
15 Bromomethane	94		1.985				ND	
16 Chloroethane	64		2.095				ND	
18 Trichlorofluoromethane	101		2.314				ND	
22 1,1-Dichloroethene	96		2.825				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	2.825	2.831	-0.006	87	17872	5.25	
23 Acetone	43		2.922				ND	
25 Carbon disulfide	76		3.031				ND	
28 Methyl acetate	43		3.232				ND	
30 Methylene Chloride	84		3.330				ND	
32 Methyl tert-butyl ether	73		3.561				ND	
33 trans-1,2-Dichloroethene	96		3.573				ND	
36 1,1-Dichloroethane	63		3.980				ND	
43 cis-1,2-Dichloroethene	96		4.540				ND	
44 2-Butanone (MEK)	43		4.564				ND	
50 Chloroform	83		4.850				ND	
51 1,1,1-Trichloroethane	97		4.978				ND	
52 Cyclohexane	56		5.002				ND	
53 Carbon tetrachloride	117		5.124				ND	
55 Benzene	78		5.331				ND	
57 1,2-Dichloroethane	62		5.380				ND	
60 Trichloroethene	95	5.939	5.945	-0.006	94	17585	4.12	
62 Methylcyclohexane	83		6.085				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.171				ND	
67 Dichlorobromomethane	83		6.456				ND	
71 cis-1,3-Dichloropropene	75		6.882				ND	
72 4-Methyl-2-pentanone (MIBK	58		7.016				ND	
73 Toluene	92		7.180				ND	
75 trans-1,3-Dichloropropene	75		7.442				ND	
78 1,1,2-Trichloroethane	83		7.631				ND	
79 Tetrachloroethene	166	7.722	7.722	0.000	99	279556	53.0	
82 2-Hexanone	43		7.862				ND	
83 Chlorodibromomethane	129		8.032				ND	
84 Ethylene Dibromide	107		8.142				ND	
85 Chlorobenzene	112		8.628				ND	
88 Ethylbenzene	91		8.726				ND	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	7753	0.9301	M
91 o-Xylene	106		9.273				ND	
92 Styrene	104		9.298				ND	
93 Bromoform	173		9.535				ND	
95 Isopropylbenzene	105		9.656				ND	
98 1,1,2,2-Tetrachloroethane	83		10.028				ND	
110 1,3-Dichlorobenzene	146		10.910				ND	
113 1,4-Dichlorobenzene	146		10.995				ND	
116 1,2-Dichlorobenzene	146	11.342	11.342	0.000	95	8205	0.8838	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 126 Xylenes, Total	1				0		0.9301	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

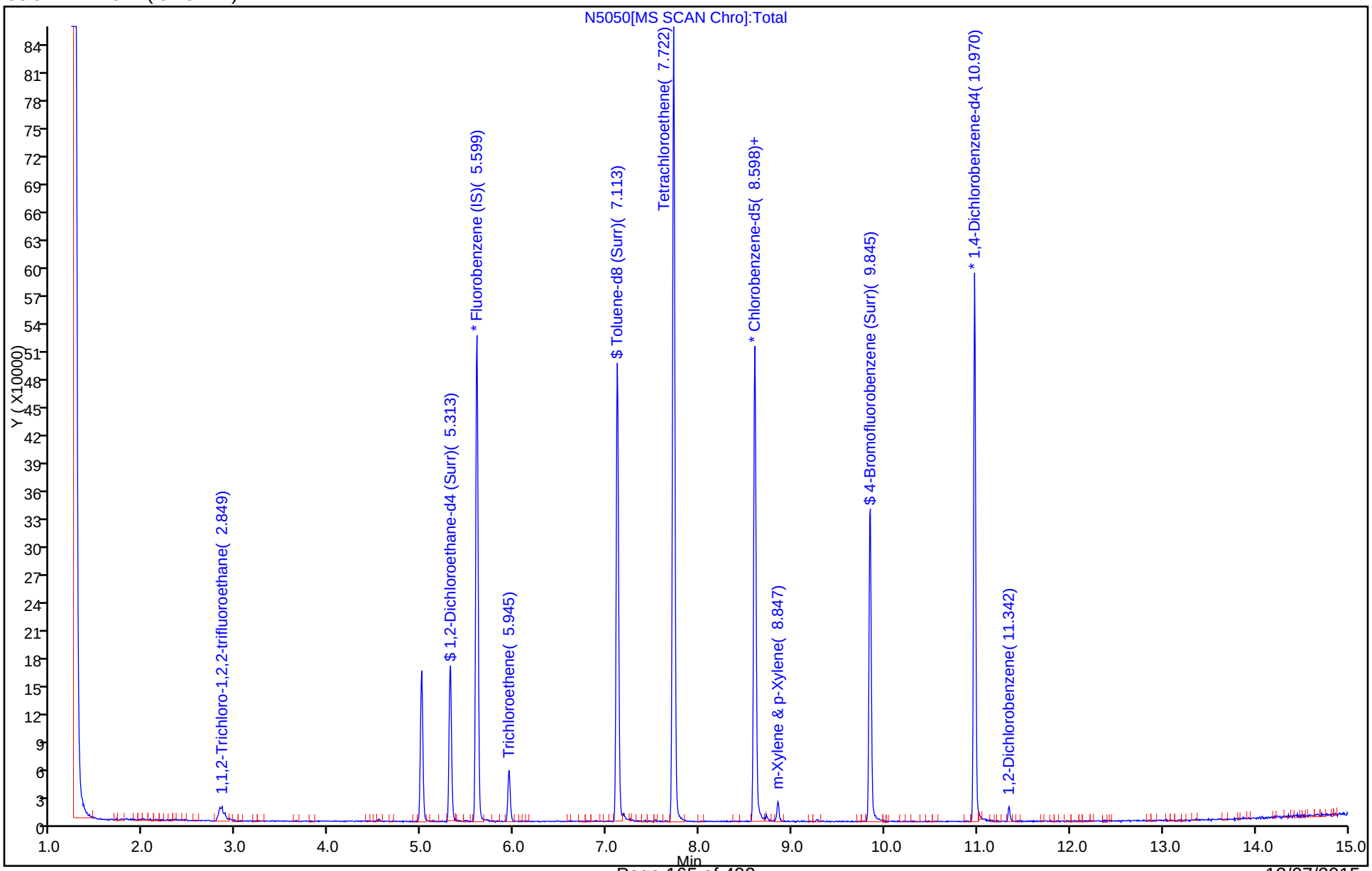
Report Date: 30-Nov-2015 18:21:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D

Injection Date:	30-Nov-2015 16:38:30	Instrument ID:	HP5973N	Operator ID:	gtg
Lims ID:	480-91710-A-6-C	Lab Sample ID:	480-91710-6	Worklist Smp#:	17
Client ID:	B22-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	45
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

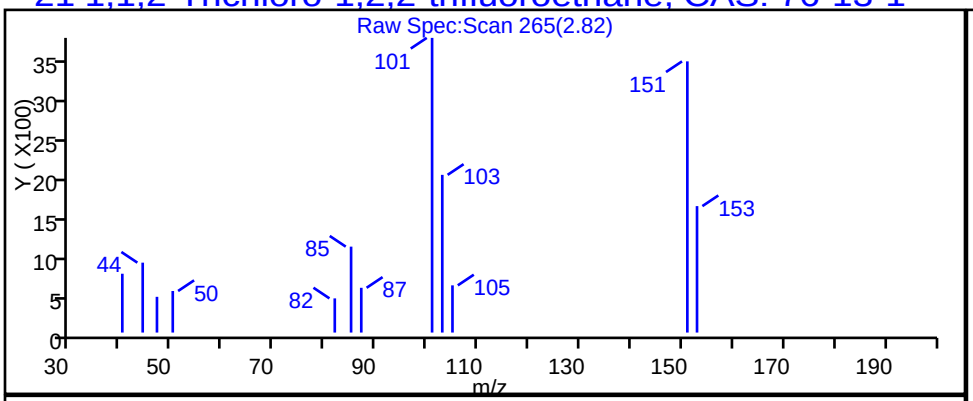
Column: ZB-624 (0.25 mm)

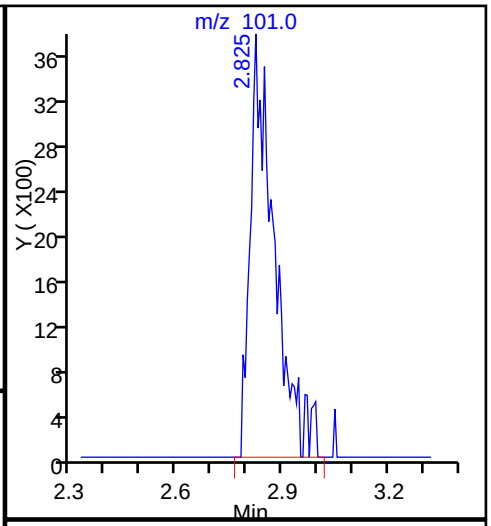


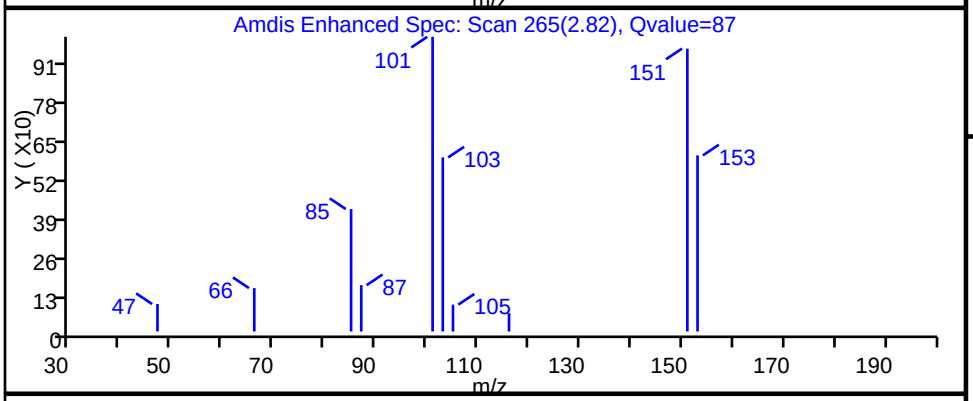
TestAmerica Buffalo

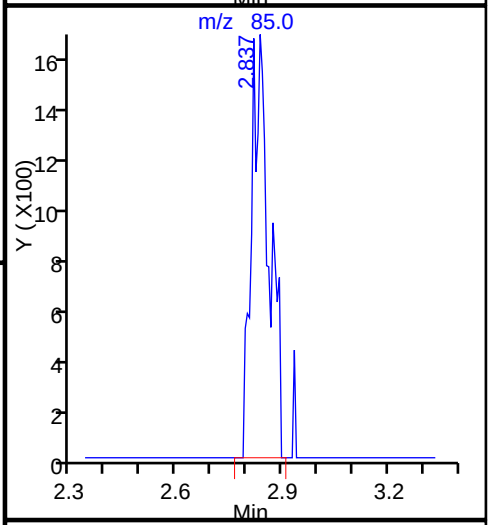
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D		
Injection Date:	30-Nov-2015 16:38:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-6-C	Lab Sample ID:	480-91710-6
Client ID:	B22-POLEBARN-S1		
Operator ID:	gtg	ALS Bottle#:	45 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

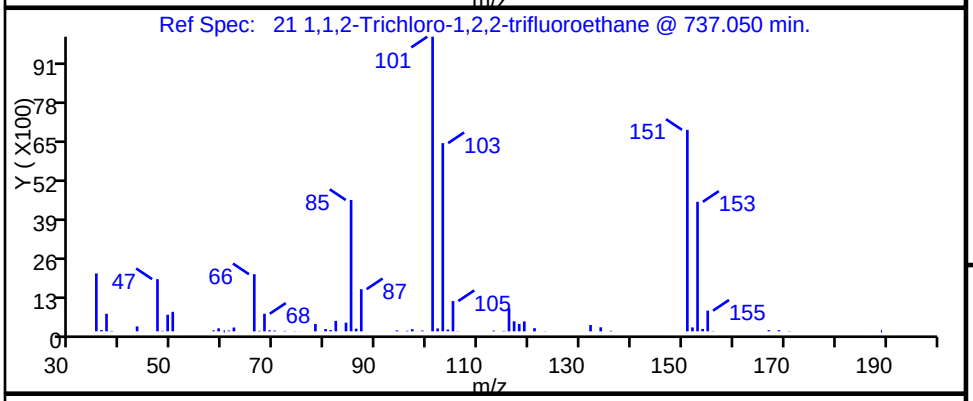
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

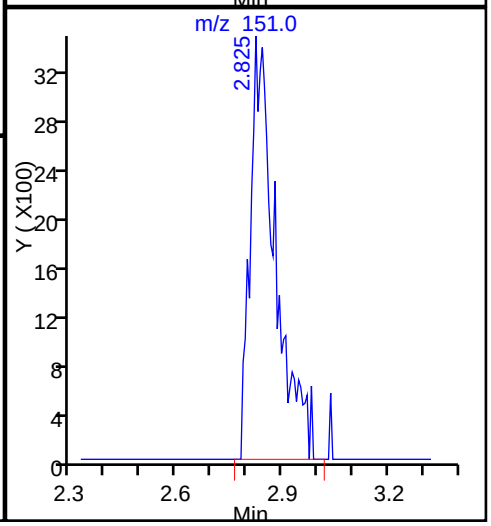


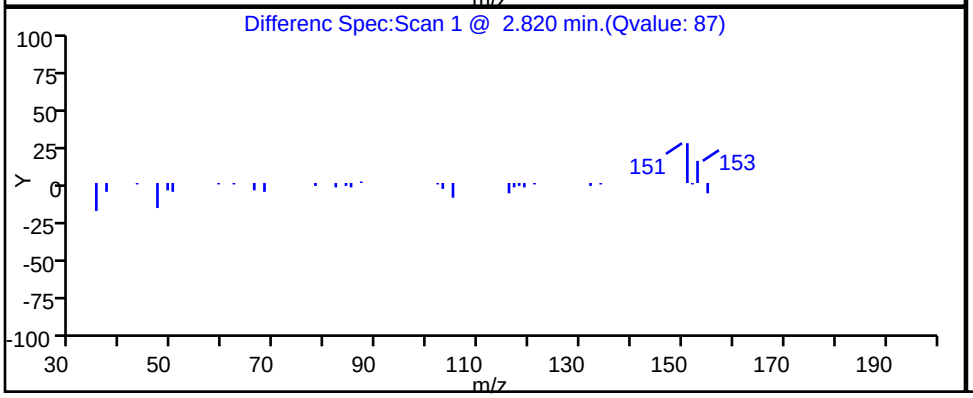








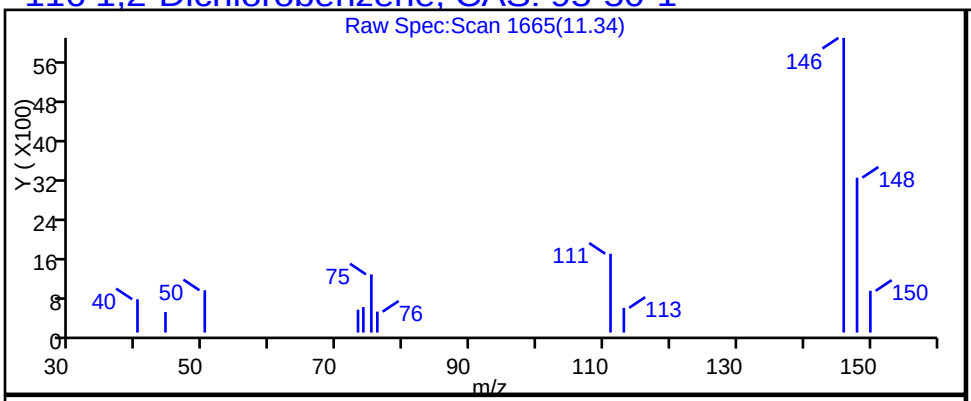


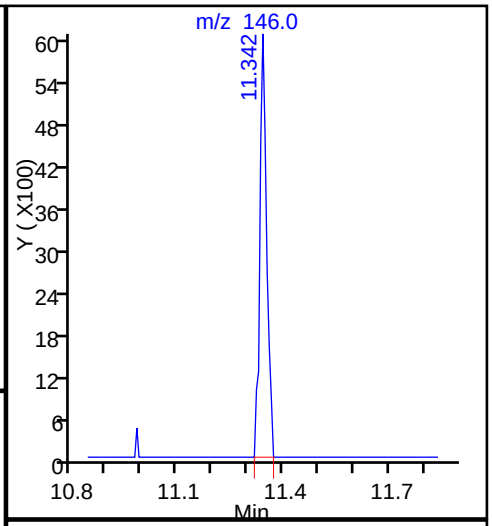


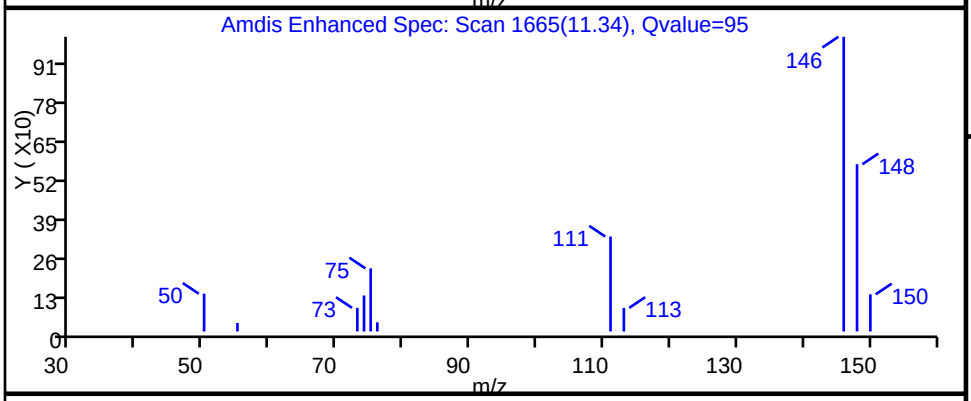
TestAmerica Buffalo

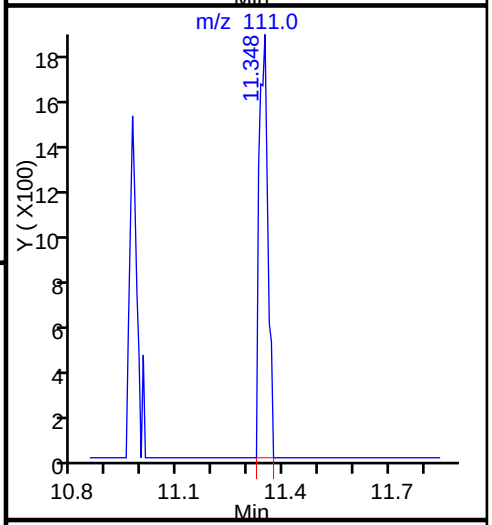
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D				
Injection Date:	30-Nov-2015 16:38:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-6-C	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	gtg	ALS Bottle#:	45	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

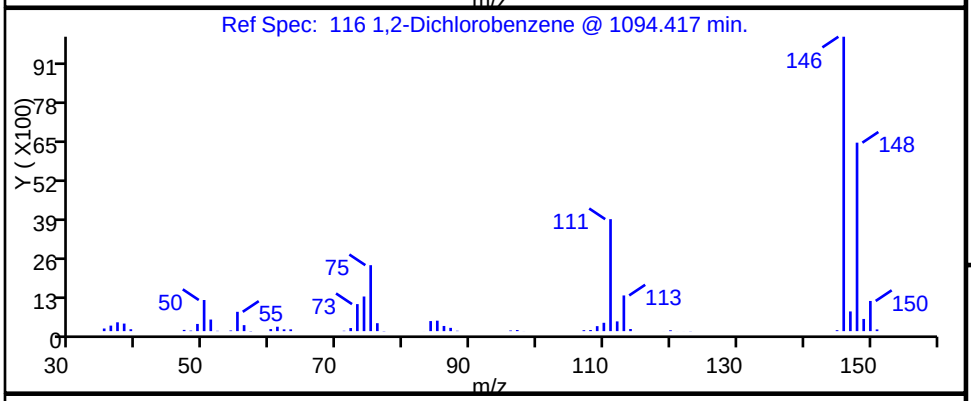
116 1,2-Dichlorobenzene, CAS: 95-50-1

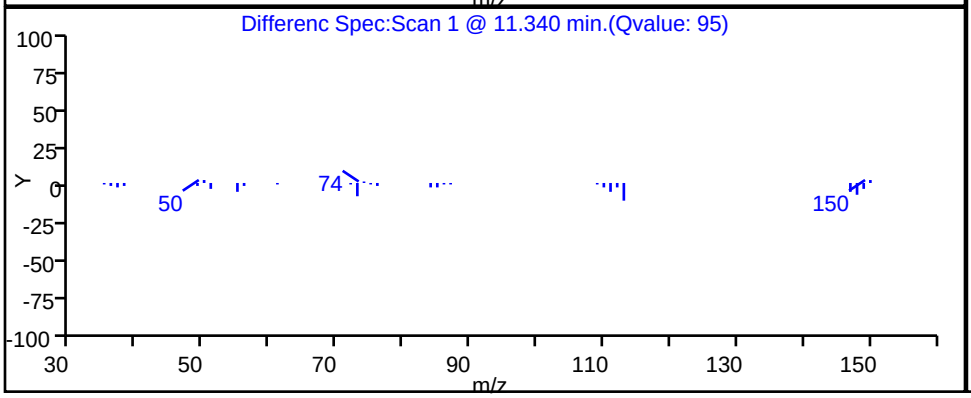


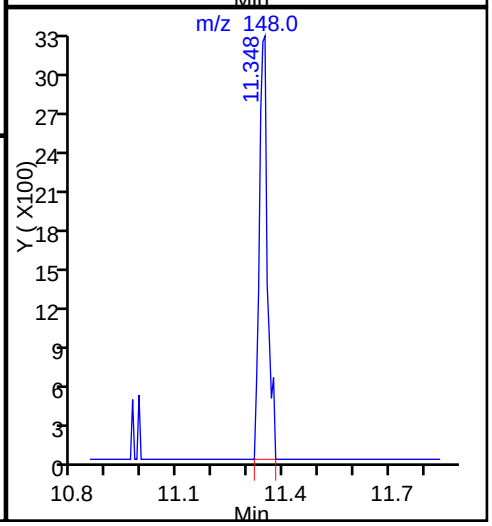








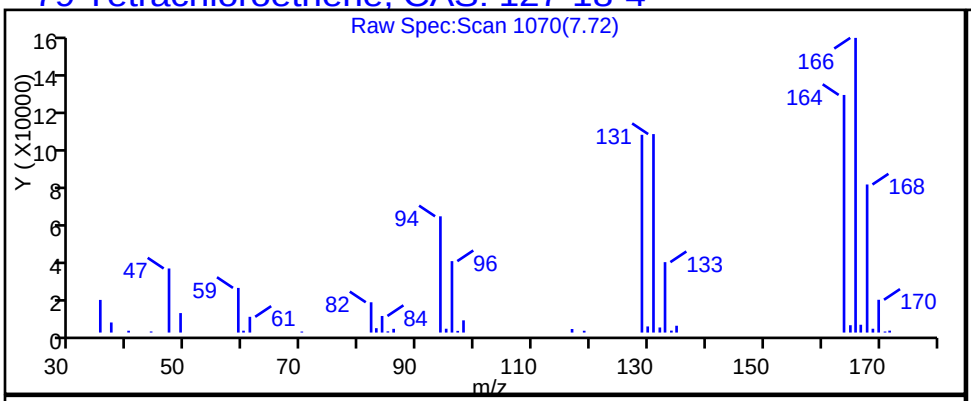


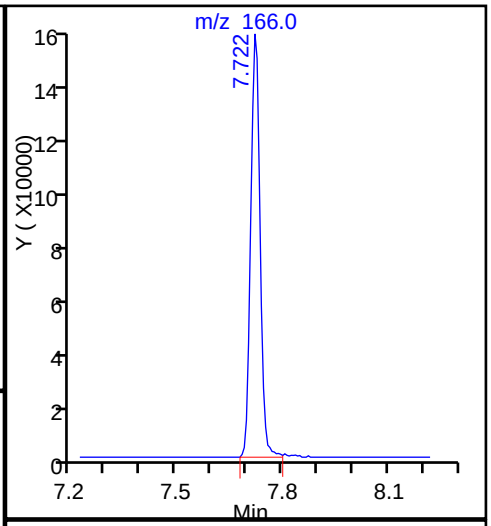


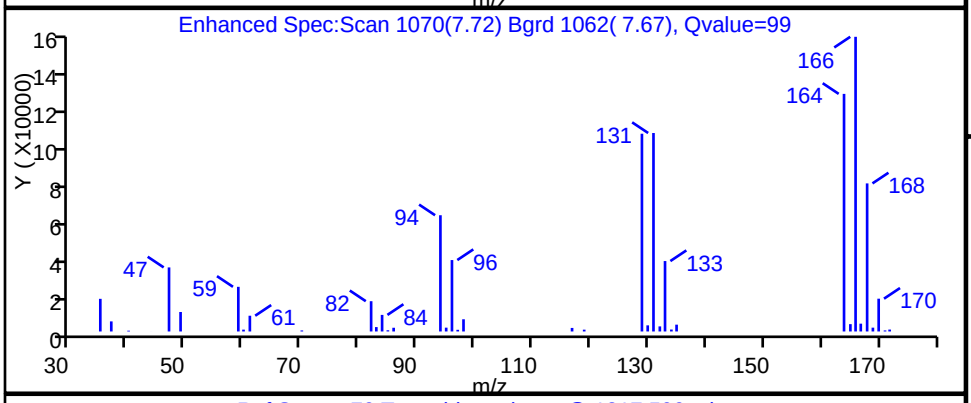
TestAmerica Buffalo

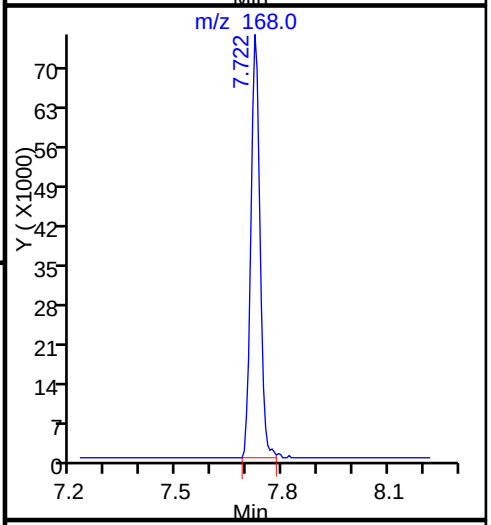
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D		
Injection Date:	30-Nov-2015 16:38:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-6-C	Lab Sample ID:	480-91710-6
Client ID:	B22-POLEBARN-S1		
Operator ID:	gtg	ALS Bottle#:	45 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

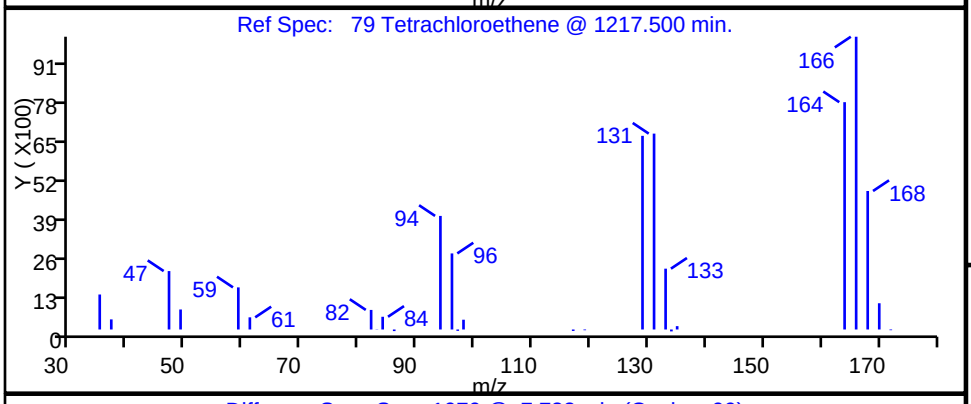
79 Tetrachloroethene, CAS: 127-18-4

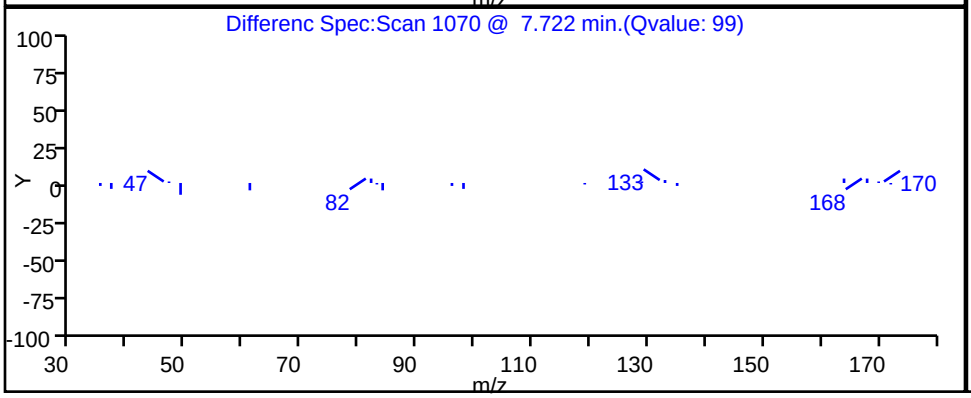


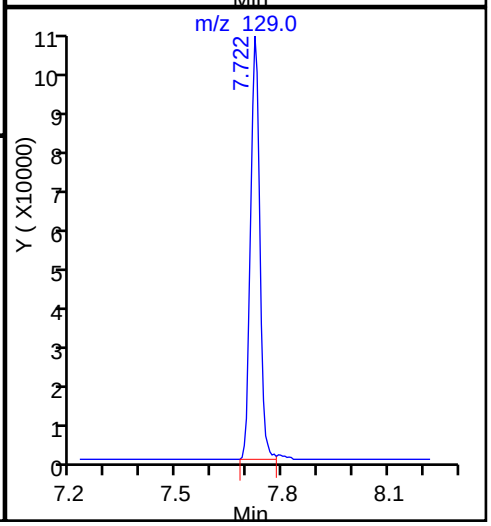












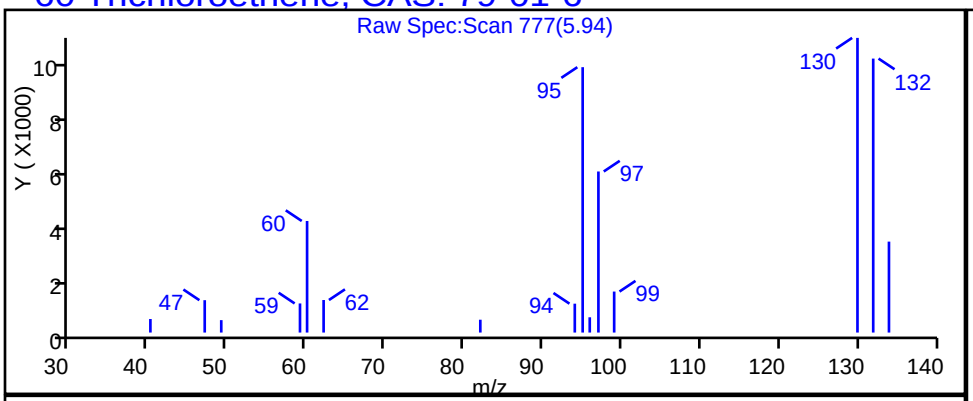
Report Date: 30-Nov-2015 18:21:16 Chrom Revision: 2.2 08-Oct-2015 07:17:48

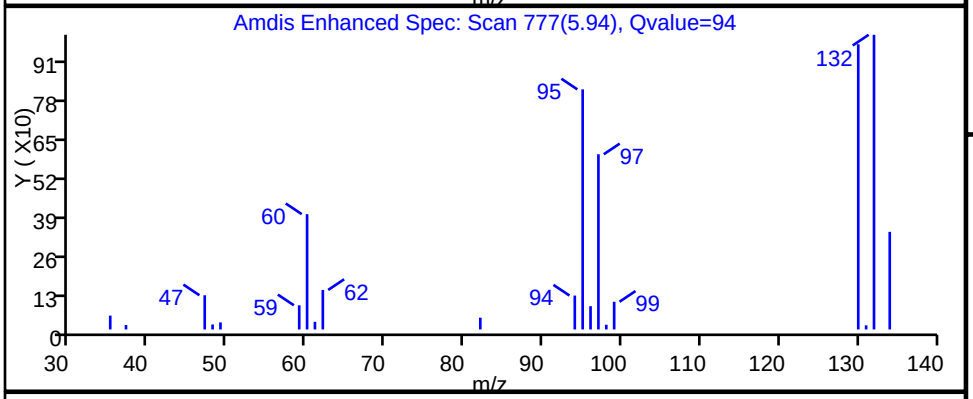
TestAmerica Buffalo

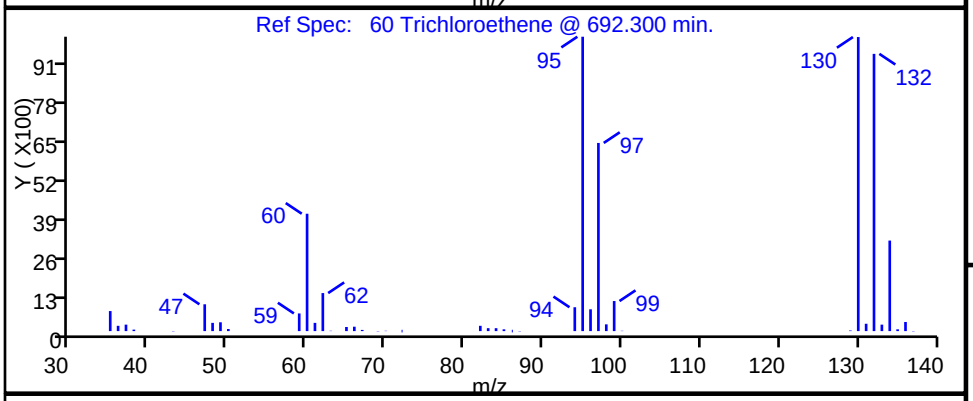
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D

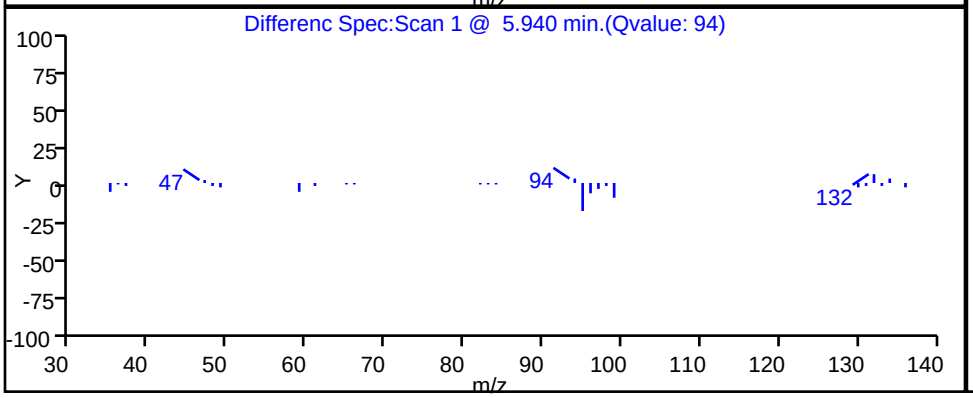
Injection Date:	30-Nov-2015 16:38:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-6-C	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	gtg	ALS Bottle#:	45	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

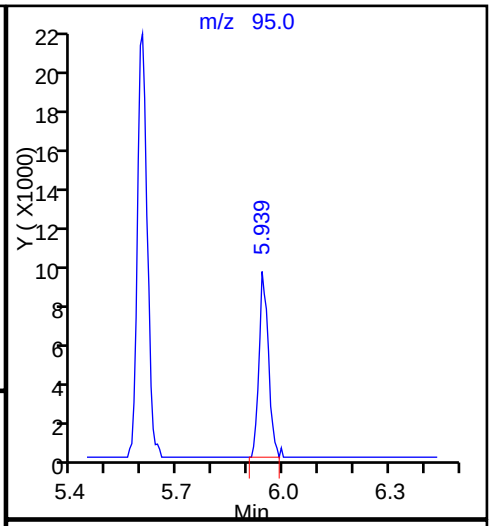
60 Trichloroethene, CAS: 79-01-6

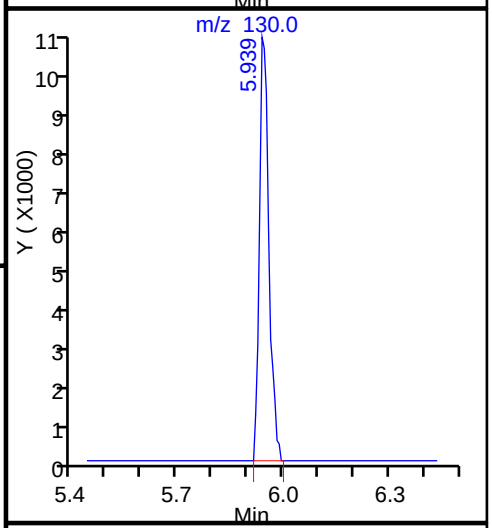


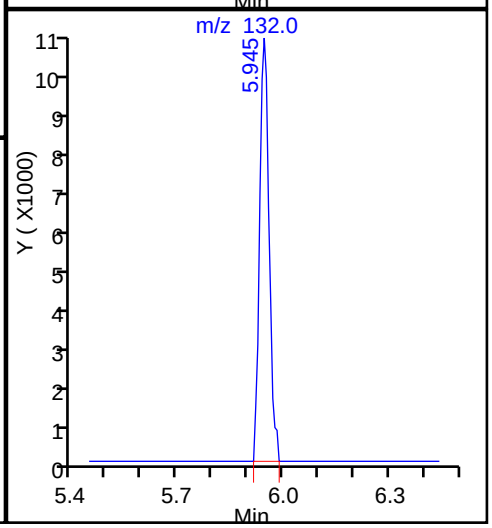








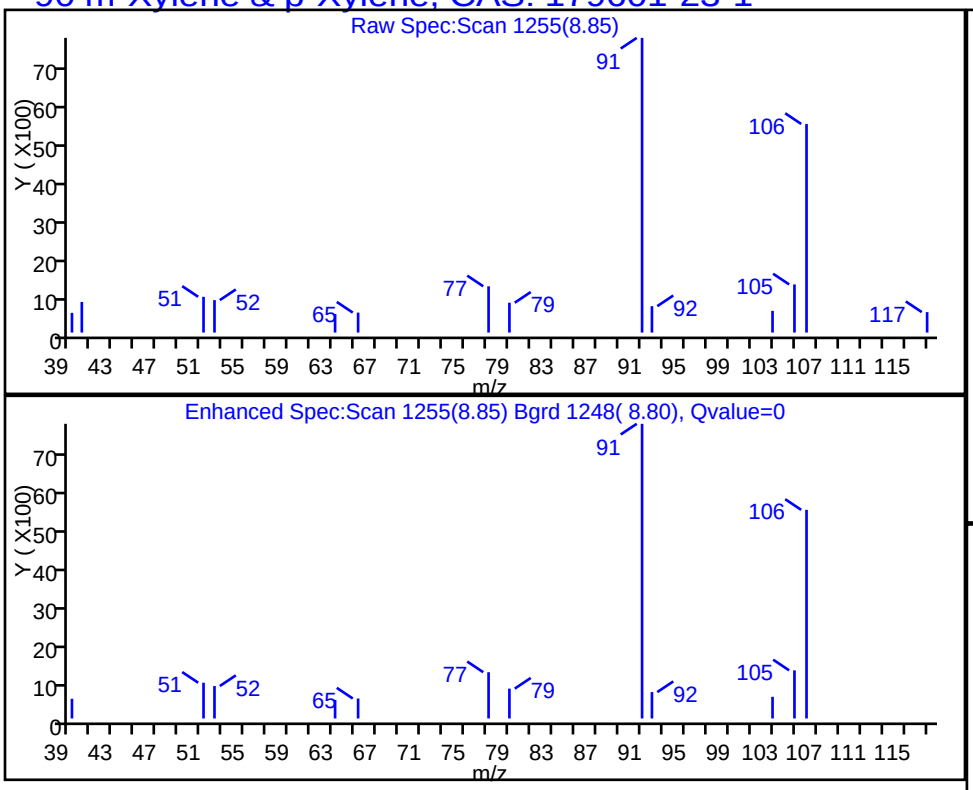


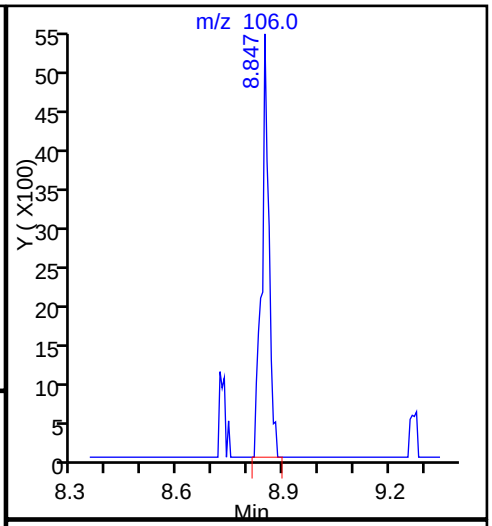


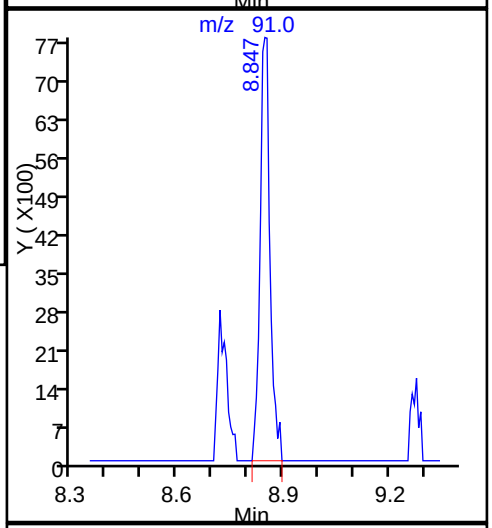
TestAmerica Buffalo

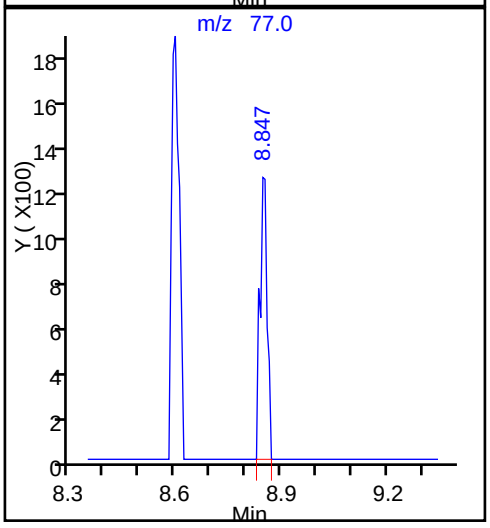
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D				
Injection Date:	30-Nov-2015 16:38:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-6-C	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	gtg	ALS Bottle#:	45	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1









Manual Integration/User Assign Peak Report

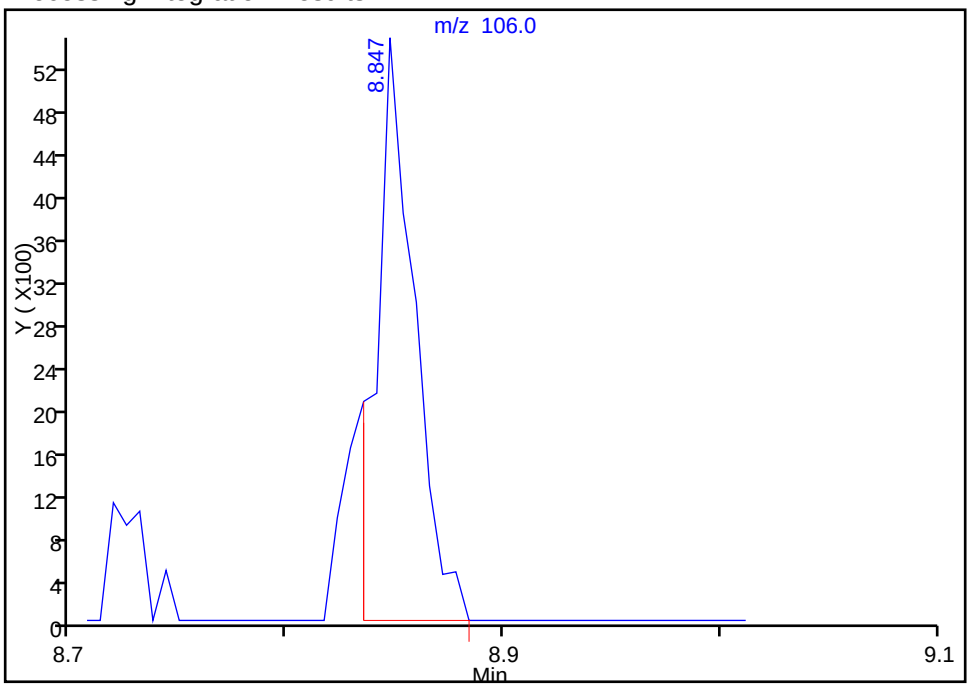
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5050.D				
Injection Date:	30-Nov-2015 16:38:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-6-C	Lab Sample ID:	480-91710-6		
Client ID:	B22-POLEBARN-S1				
Operator ID:	gtg	ALS Bottle#:	45	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1

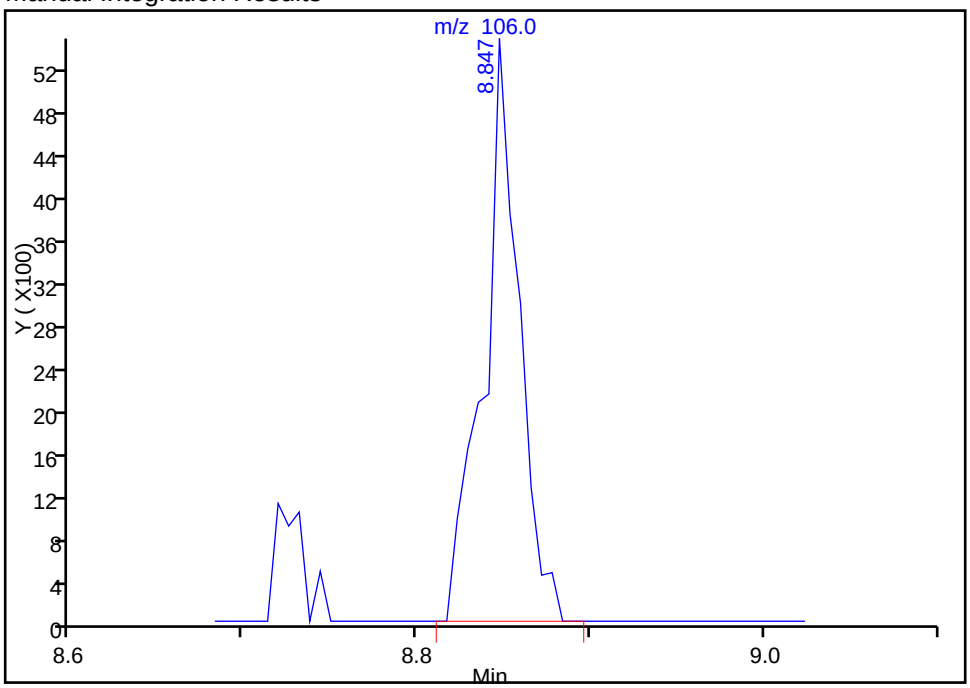
Processing Integration Results

RT: 8.85
Area: 6808
Amount: 0.816709
Amount Units: ug/L



Manual Integration Results

RT: 8.85
Area: 7753
Amount: 0.930074
Amount Units: ug/L



Reviewer: o'briens, 30-Nov-2015 18:21:15
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S2 | Lab Sample ID: 480-91710-7

Matrix: Solid | Lab File ID: N5051.D

Analysis Method: 8260C | Date Collected: 11/24/2015 13:40

Sample wt/vol: 4.99(g) | Date Analyzed: 11/30/2015 17:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 277340 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	310
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14000		1100	570
79-00-5	1,1,2-Trichloroethane	ND		1100	240
75-34-3	1,1-Dichloroethane	ND		1100	350
75-35-4	1,1-Dichloroethene	ND		1100	390
120-82-1	1,2,4-Trichlorobenzene	ND		1100	430
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	570
95-50-1	1,2-Dichlorobenzene	400	J	1100	290
107-06-2	1,2-Dichloroethane	ND		1100	460
78-87-5	1,2-Dichloropropane	ND		1100	180
541-73-1	1,3-Dichlorobenzene	ND		1100	300
106-46-7	1,4-Dichlorobenzene	ND		1100	160
78-93-3	2-Butanone (MEK)	ND	*	5700	3400
591-78-6	2-Hexanone	ND		5700	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5700	360
67-64-1	Acetone	ND		5700	4700
71-43-2	Benzene	ND		1100	220
75-25-2	Bromoform	ND		1100	570
74-83-9	Bromomethane	ND		1100	250
75-15-0	Carbon disulfide	ND		1100	510
56-23-5	Carbon tetrachloride	ND		1100	290
108-90-7	Chlorobenzene	ND		1100	150
124-48-1	Dibromochloromethane	ND		1100	550
75-00-3	Chloroethane	ND		1100	240
67-66-3	Chloroform	ND		1100	780
74-87-3	Chloromethane	ND		1100	270
156-59-2	cis-1,2-Dichloroethene	ND		1100	310
110-82-7	Cyclohexane	ND		1100	250
75-27-4	Bromodichloromethane	ND		1100	230
75-71-8	Dichlorodifluoromethane	ND		1100	490
100-41-4	Ethylbenzene	360	J	1100	330
106-93-4	1,2-Dibromoethane	ND		1100	200
98-82-8	Isopropylbenzene	ND		1100	170
79-20-9	Methyl acetate	ND		1100	540

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S2 | Lab Sample ID: 480-91710-7

Matrix: Solid | Lab File ID: N5051.D

Analysis Method: 8260C | Date Collected: 11/24/2015 13:40

Sample wt/vol: 4.99(g) | Date Analyzed: 11/30/2015 17:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 277340 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1100	430
108-87-2	Methylcyclohexane	ND		1100	530
75-09-2	Methylene Chloride	ND		1100	220
127-18-4	Tetrachloroethene	45000		1100	150
108-88-3	Toluene	ND		1100	300
156-60-5	trans-1,2-Dichloroethene	ND		1100	270
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	19000		1100	310
75-69-4	Trichlorofluoromethane	ND		1100	530
75-01-4	Vinyl chloride	ND		1100	380
1330-20-7	Xylenes, Total	1200	J	2300	630
10061-01-5	cis-1,3-Dichloropropene	ND		1100	270
100-42-5	Styrene	ND		1100	270

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
2037-26-5	Toluene-d8 (Surr)	90		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D
Lims ID: 480-91710-A-7-B Lab Sample ID: 480-91710-7
Client ID: B22-POLEBARN-S2
Sample Type: Client
Inject. Date: 30-Nov-2015 17:05:30 ALS Bottle#: 46 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-91710-A-7-B
Misc. Info.: 480-0048783-018
Operator ID: gtg Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 18:21:52 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: o'briens Date: 30-Nov-2015 18:21:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	99	83816	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	309766	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.971	10.970	0.001	94	160551	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	119075	25.5	
$ 6 Toluene-d8 (Surr)	98	7.114	7.113	0.001	93	328153	22.4	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	94	108190	24.3	
11 Dichlorodifluoromethane	85		1.377				ND	
13 Chloromethane	50		1.547				ND	
14 Vinyl chloride	62		1.657				ND	
15 Bromomethane	94		1.985				ND	
16 Chloroethane	64		2.095				ND	
18 Trichlorofluoromethane	101		2.314				ND	
22 1,1-Dichloroethene	96		2.825				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.831	0.006	90	42620	12.7	
23 Acetone	43		2.922				ND	
25 Carbon disulfide	76		3.031				ND	
28 Methyl acetate	43		3.232				ND	
30 Methylene Chloride	84		3.330				ND	
32 Methyl tert-butyl ether	73		3.561				ND	
33 trans-1,2-Dichloroethene	96		3.573				ND	
36 1,1-Dichloroethane	63		3.980				ND	
43 cis-1,2-Dichloroethene	96		4.540				ND	
44 2-Butanone (MEK)	43		4.564				ND	
50 Chloroform	83		4.850				ND	
51 1,1,1-Trichloroethane	97		4.978				ND	
52 Cyclohexane	56		5.002				ND	
53 Carbon tetrachloride	117		5.124				ND	
55 Benzene	78		5.331				ND	
57 1,2-Dichloroethane	62		5.380				ND	
60 Trichloroethene	95	5.946	5.945	0.001	94	71516	17.1	
62 Methylcyclohexane	83		6.085				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.171				ND	
67 Dichlorobromomethane	83		6.456				ND	
71 cis-1,3-Dichloropropene	75		6.882				ND	
72 4-Methyl-2-pentanone (MIBK	58		7.016				ND	
73 Toluene	92		7.180				ND	
75 trans-1,3-Dichloropropene	75		7.442				ND	
78 1,1,2-Trichloroethane	83		7.631				ND	
79 Tetrachloroethene	166	7.722	7.722	0.000	98	196845	39.8	
82 2-Hexanone	43		7.862				ND	
83 Chlorodibromomethane	129		8.032				ND	
84 Ethylene Dibromide	107		8.142				ND	
85 Chlorobenzene	112		8.628				ND	
88 Ethylbenzene	91	8.726	8.726	0.000	93	6069	0.3151	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	8153	1.04	
91 o-Xylene	106		9.273				ND	
92 Styrene	104		9.298				ND	
93 Bromoform	173		9.535				ND	
95 Isopropylbenzene	105		9.656				ND	
98 1,1,2,2-Tetrachloroethane	83		10.028				ND	
110 1,3-Dichlorobenzene	146		10.910				ND	
113 1,4-Dichlorobenzene	146		10.995				ND	
116 1,2-Dichlorobenzene	146	11.348	11.342	0.006	92	3182	0.3554	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 126 Xylenes, Total	1				0		1.04	

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

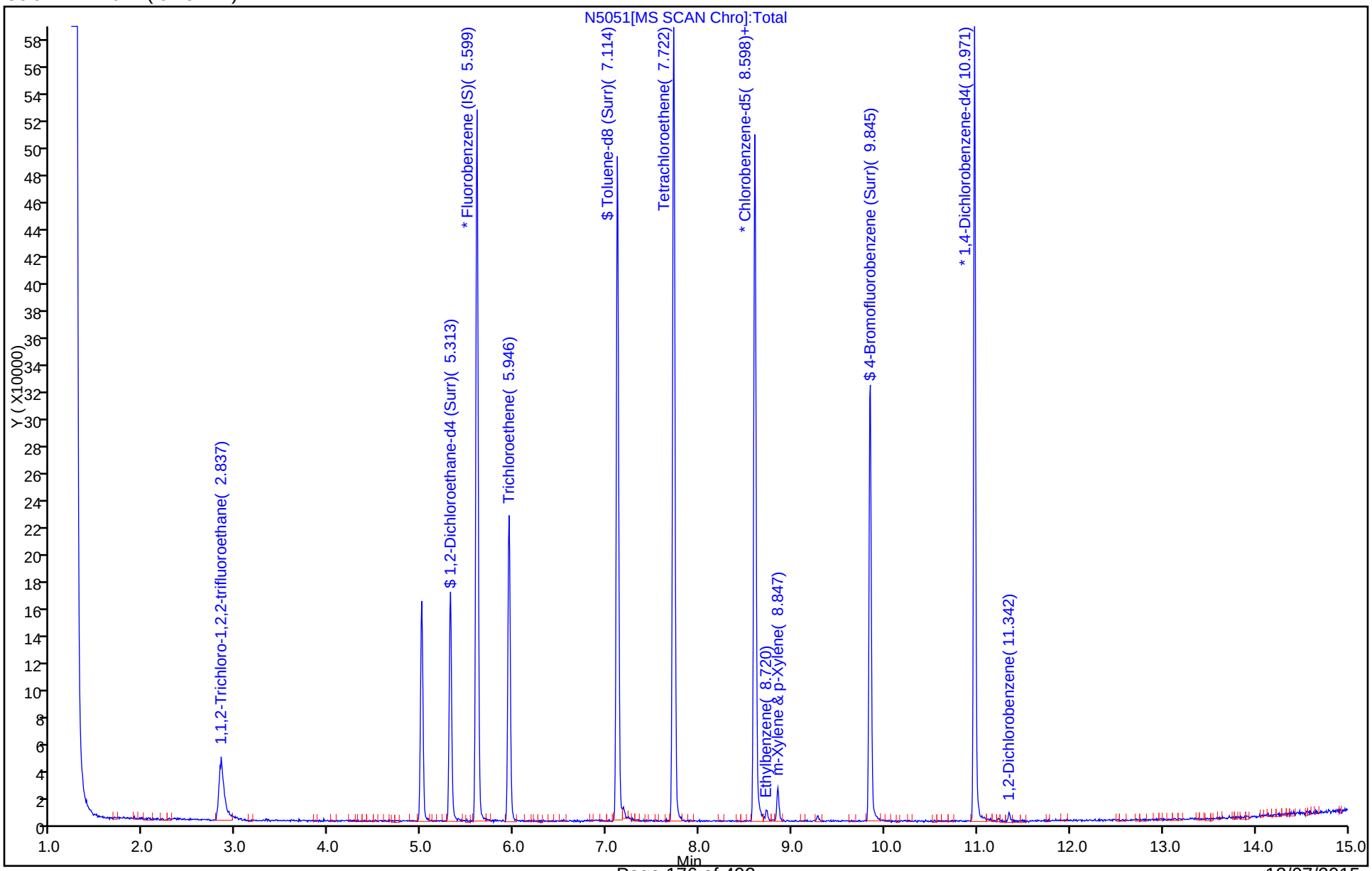
Report Date: 30-Nov-2015 18:21:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D

Injection Date:	30-Nov-2015 17:05:30	Instrument ID:	HP5973N	Operator ID:	gtg
Lims ID:	480-91710-A-7-B	Lab Sample ID:	480-91710-7	Worklist Smp#:	18
Client ID:	B22-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	46
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

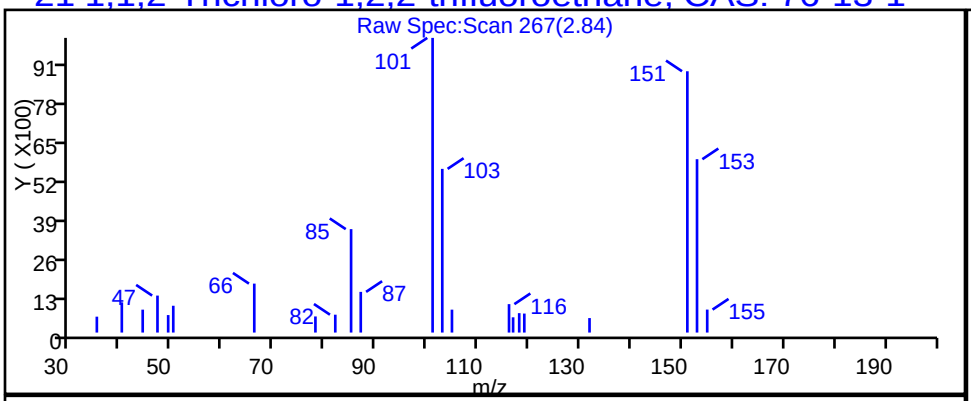
Column: ZB-624 (0.25 mm)

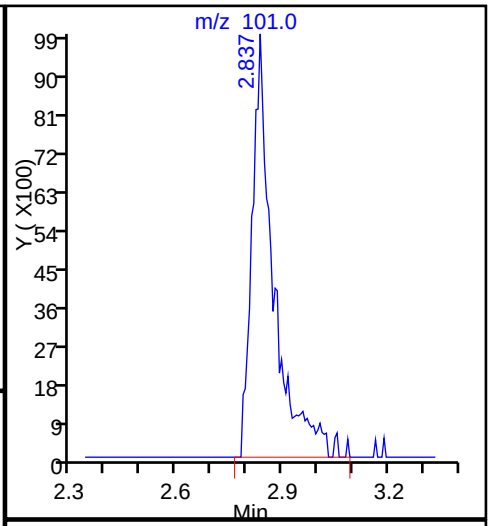


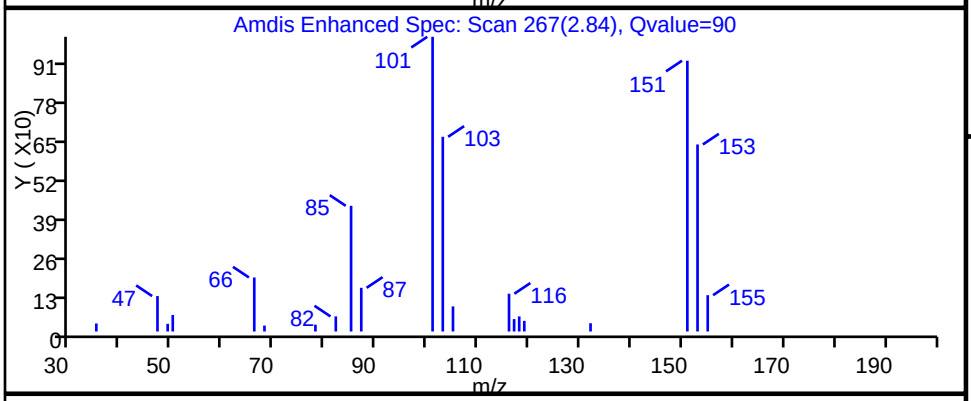
TestAmerica Buffalo

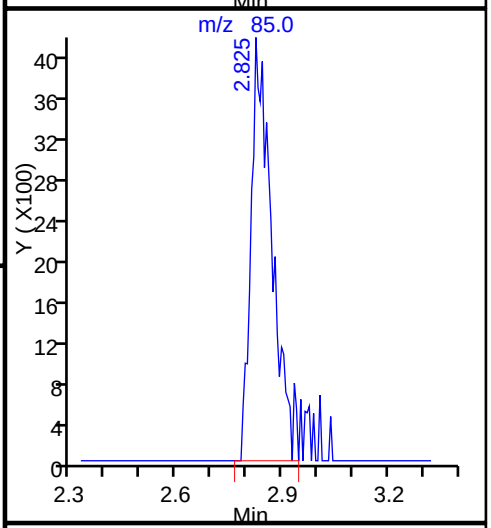
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D		
Injection Date:	30-Nov-2015 17:05:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-7-B	Lab Sample ID:	480-91710-7
Client ID:	B22-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	46 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

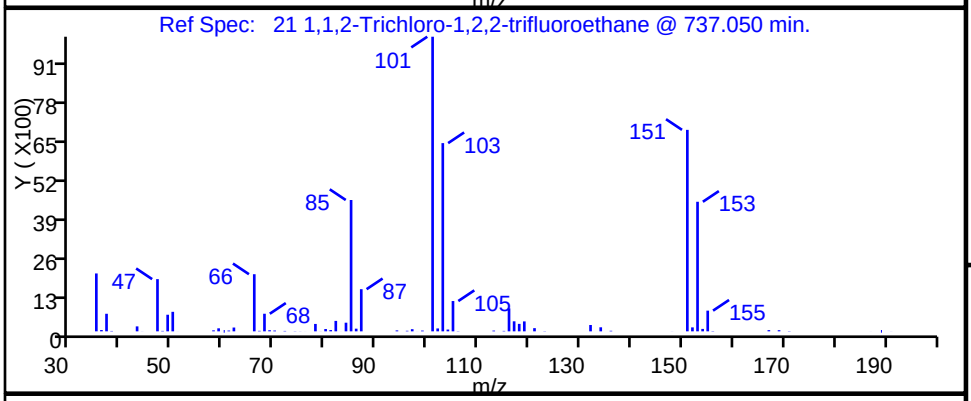
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

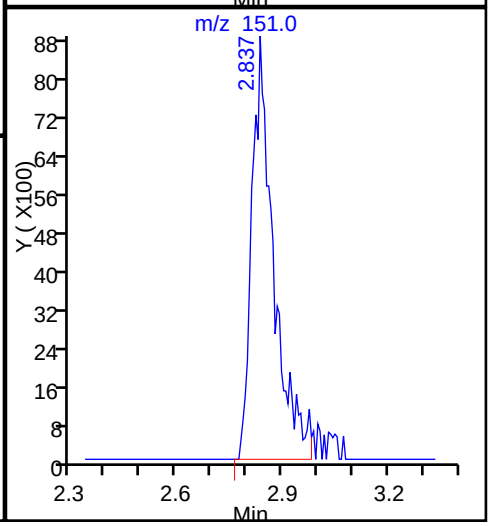


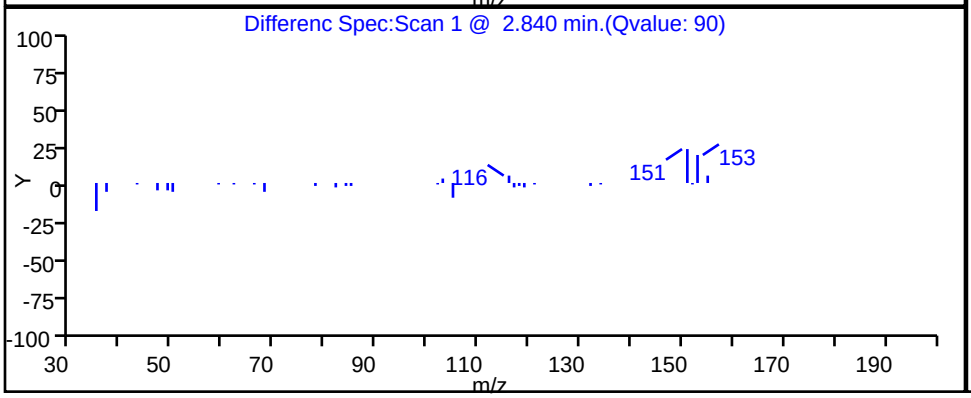








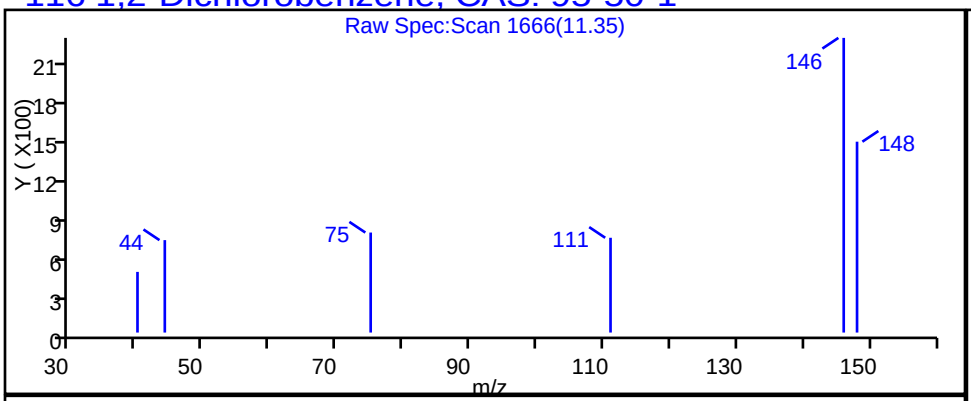


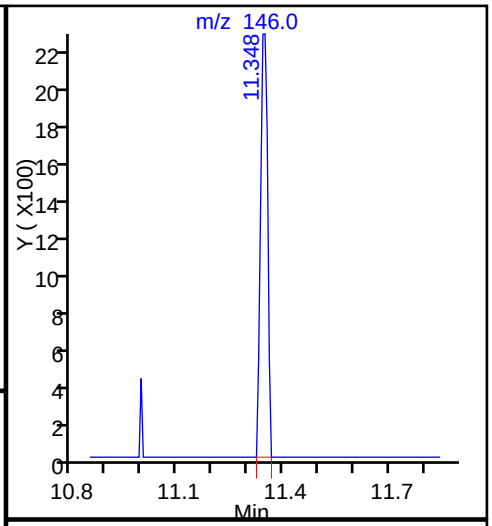


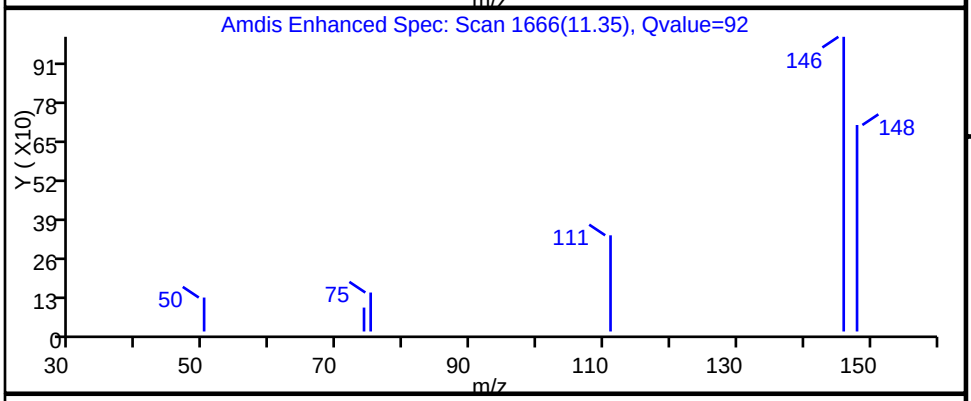
TestAmerica Buffalo

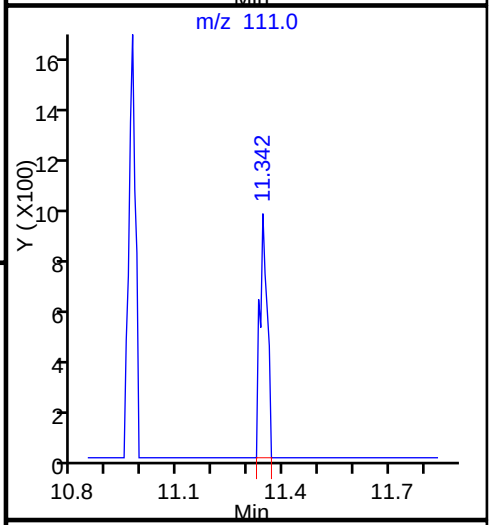
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D				
Injection Date:	30-Nov-2015 17:05:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-7-B	Lab Sample ID:	480-91710-7		
Client ID:	B22-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	46	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

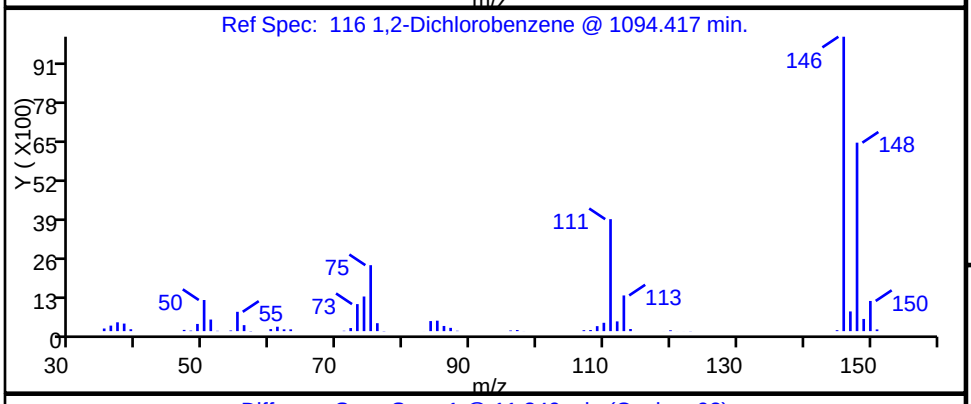
116 1,2-Dichlorobenzene, CAS: 95-50-1

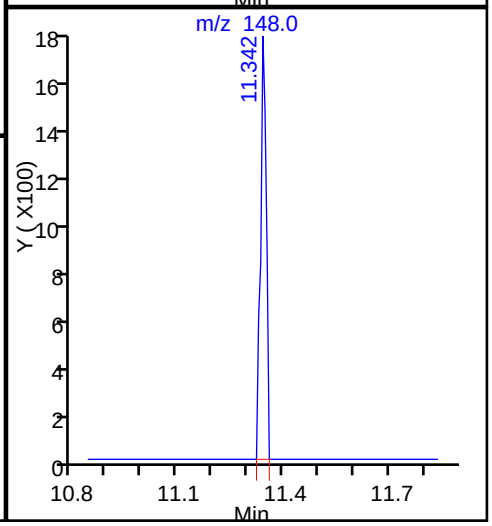


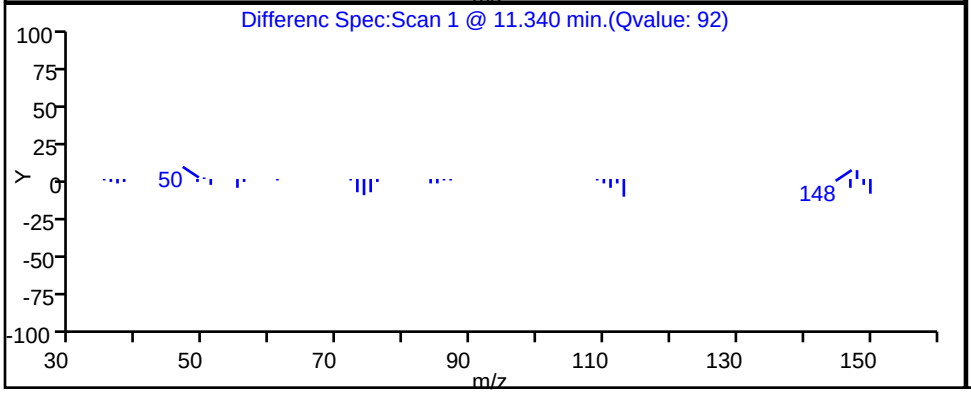










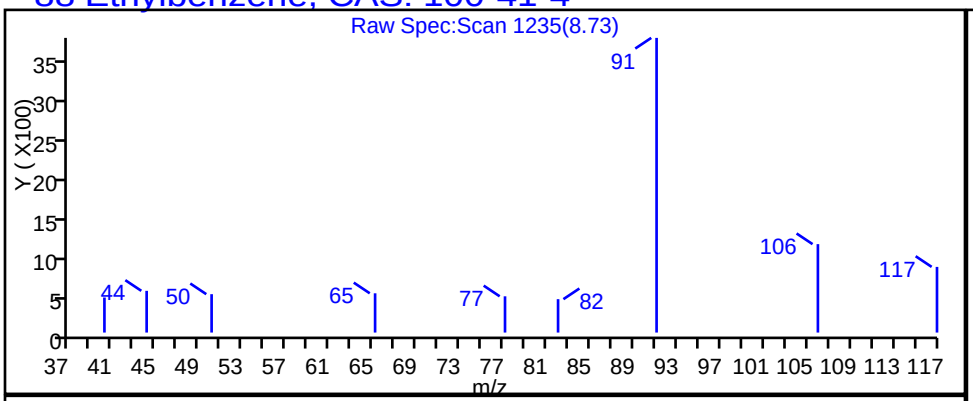


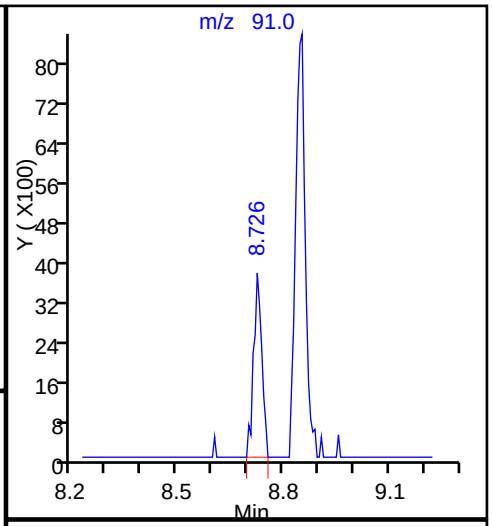
TestAmerica Buffalo

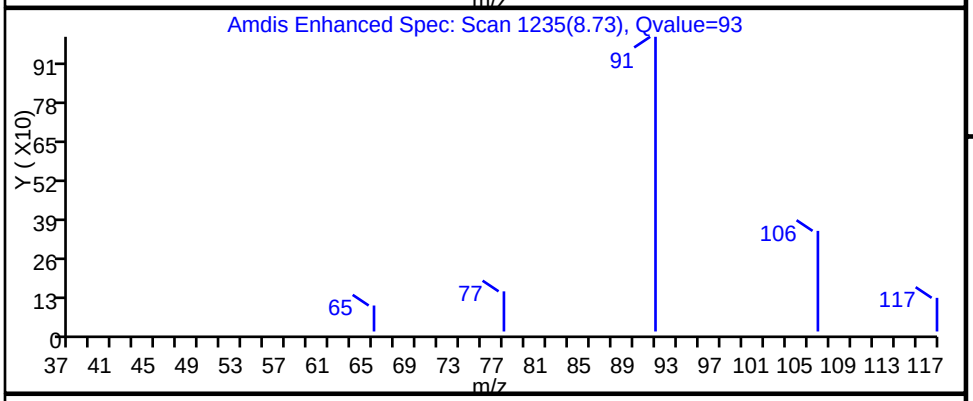
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D

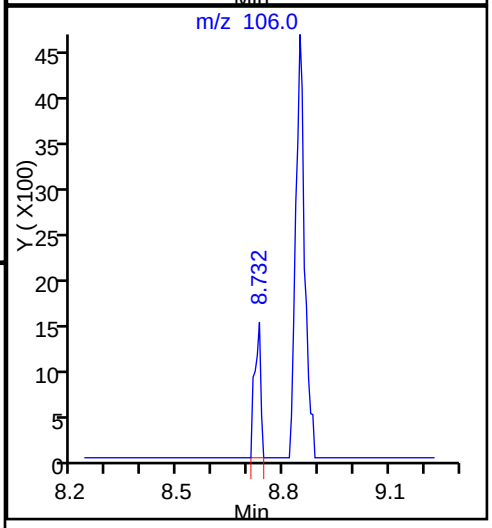
Injection Date:	30-Nov-2015 17:05:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-7-B	Lab Sample ID:	480-91710-7		
Client ID:	B22-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	46	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

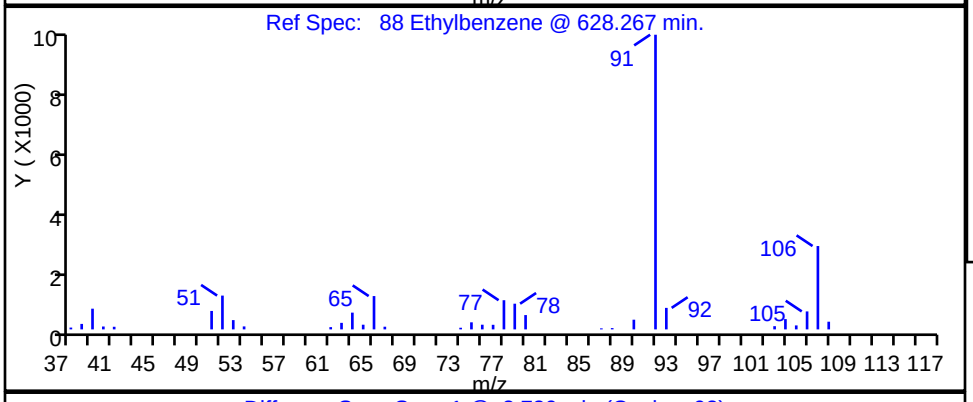
88 Ethylbenzene, CAS: 100-41-4

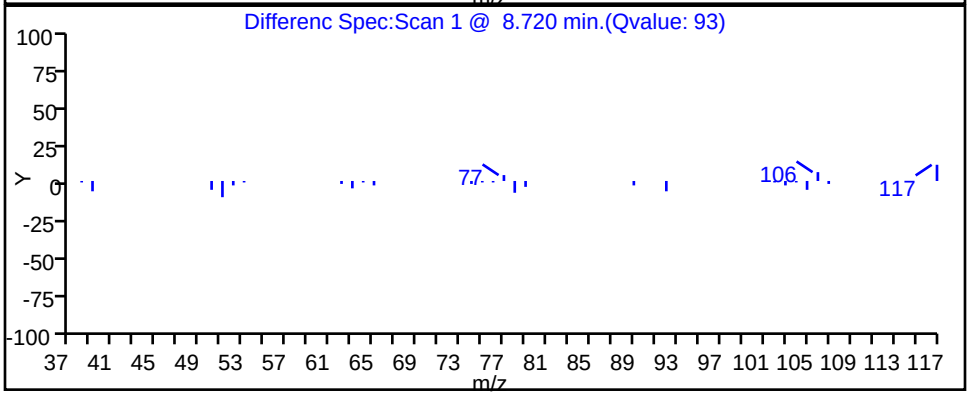








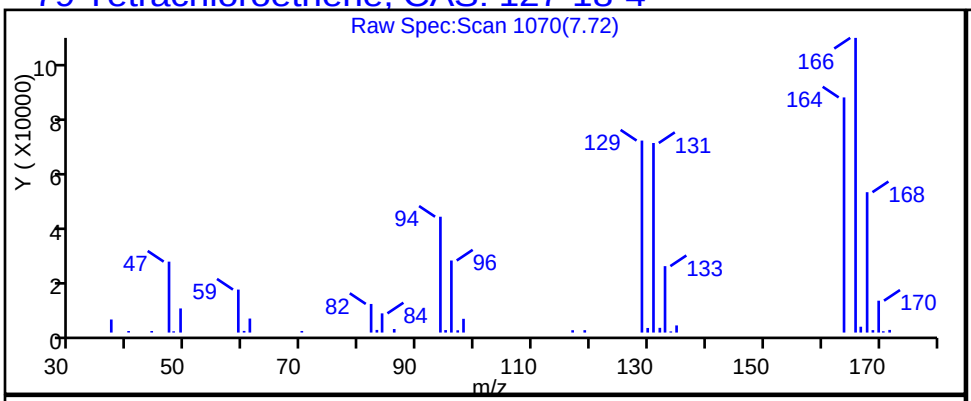


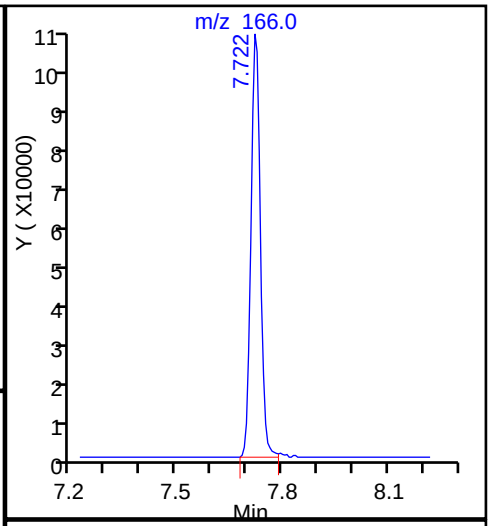


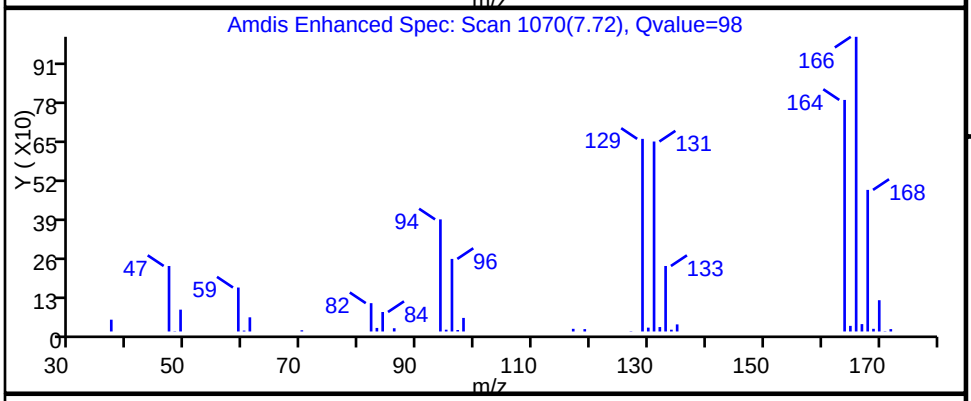
TestAmerica Buffalo

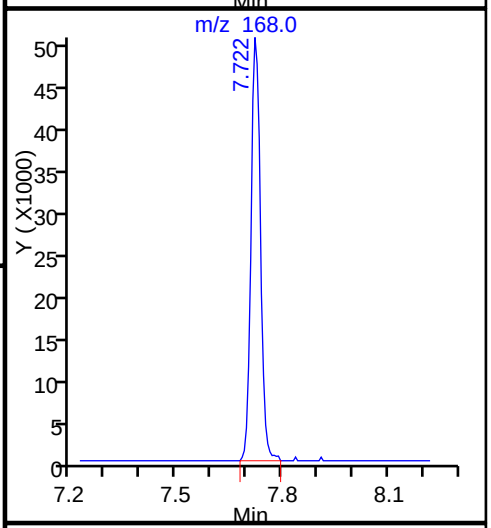
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D		
Injection Date:	30-Nov-2015 17:05:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-7-B	Lab Sample ID:	480-91710-7
Client ID:	B22-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	46 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

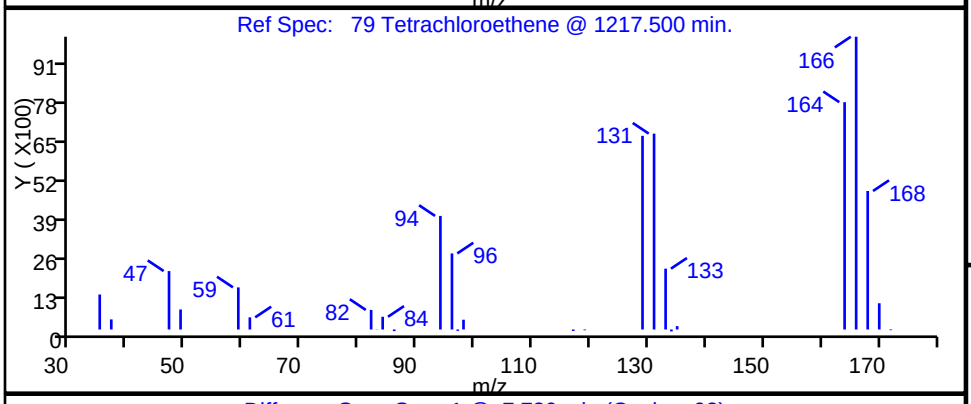
79 Tetrachloroethene, CAS: 127-18-4

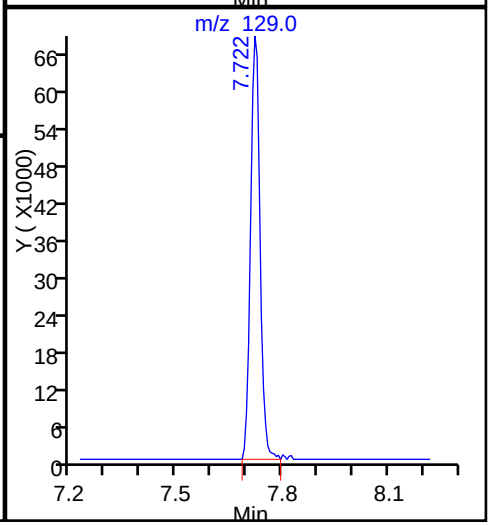


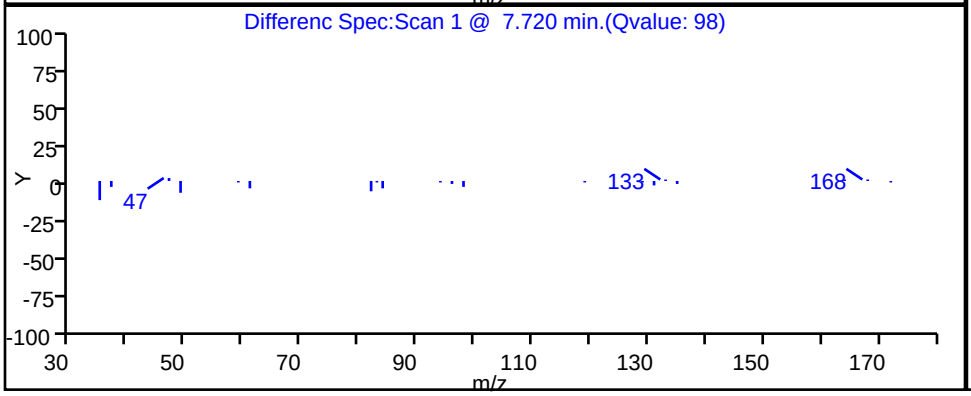












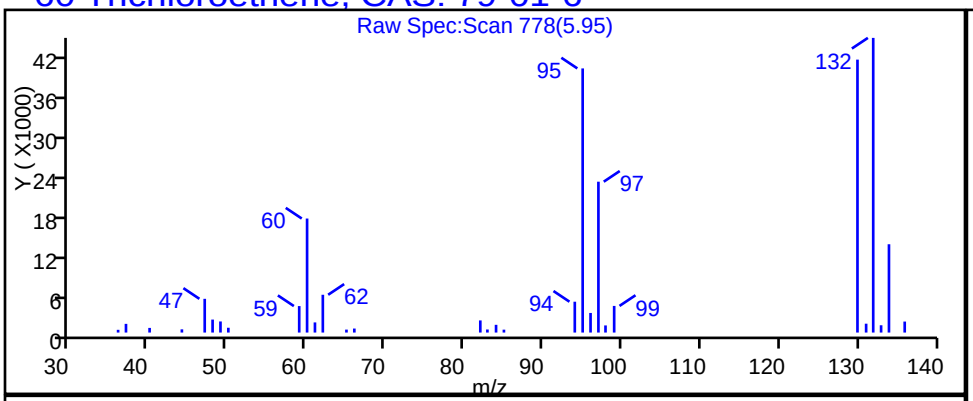
Report Date: 30-Nov-2015 18:21:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

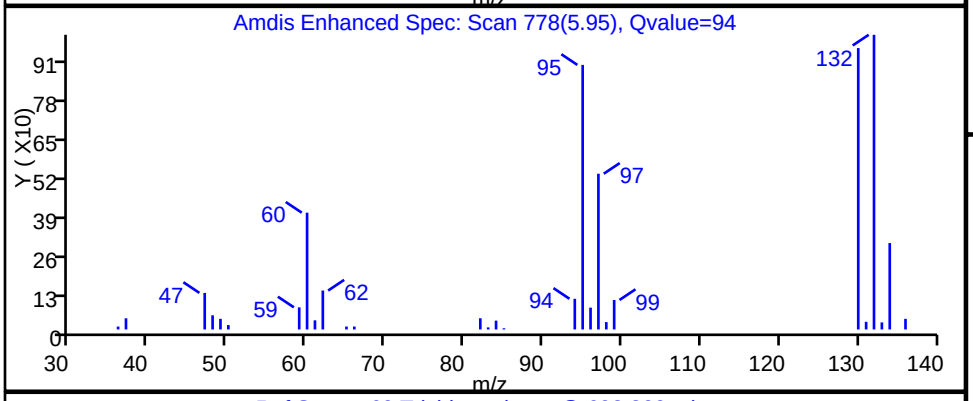
TestAmerica Buffalo

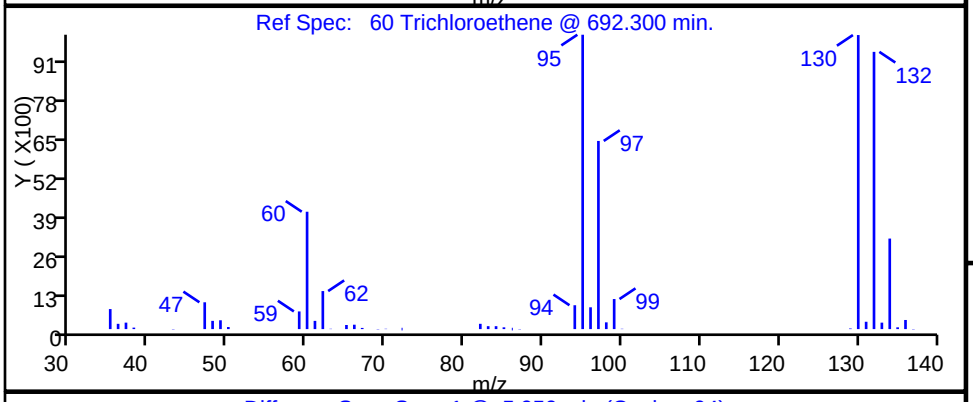
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D

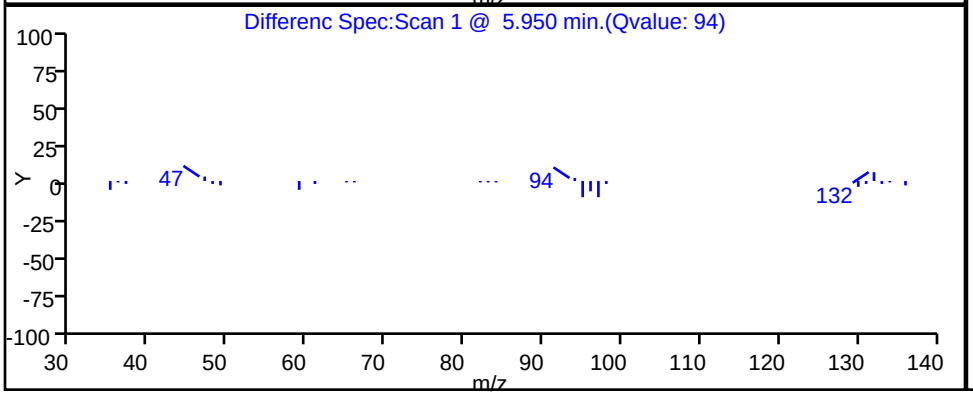
Injection Date:	30-Nov-2015 17:05:30	Instrument ID:	HP5973N
Lims ID:	480-91710-A-7-B	Lab Sample ID:	480-91710-7
Client ID:	B22-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	46 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

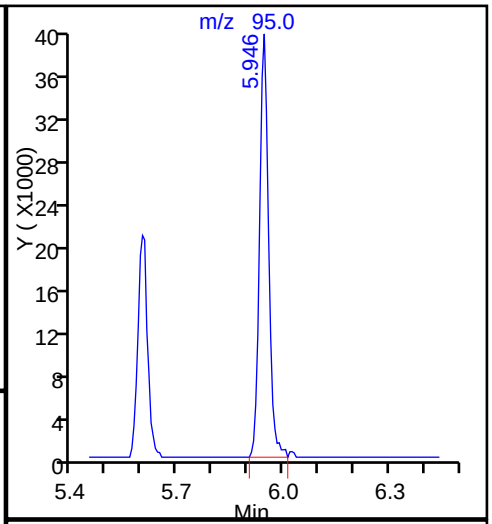
60 Trichloroethene, CAS: 79-01-6

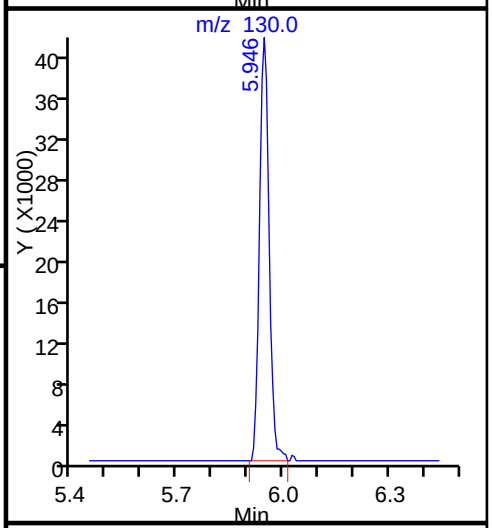


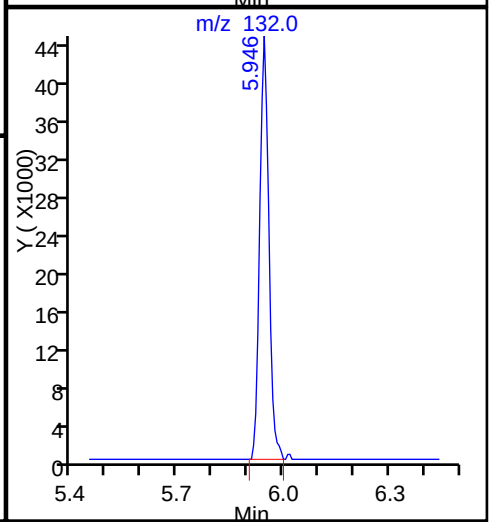








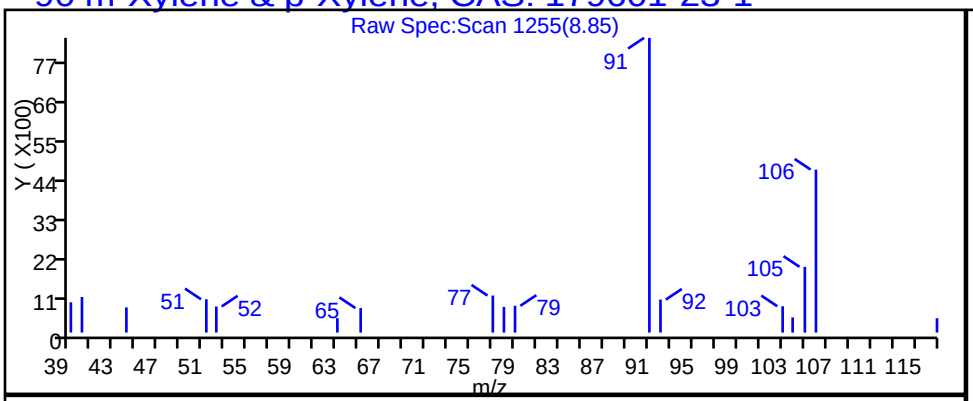


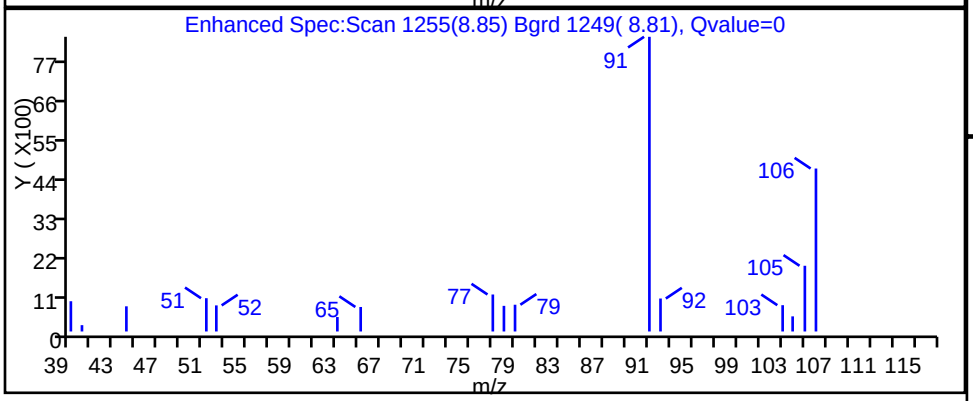


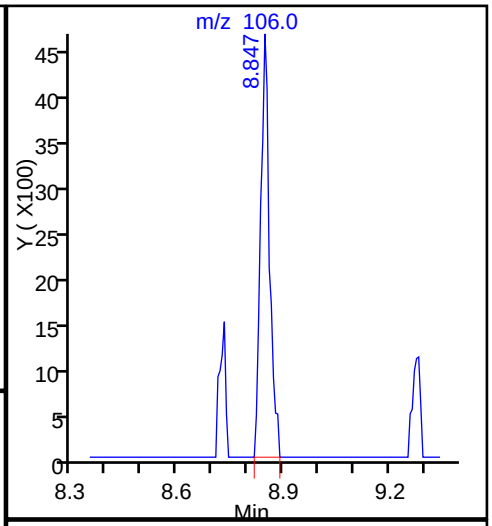
TestAmerica Buffalo

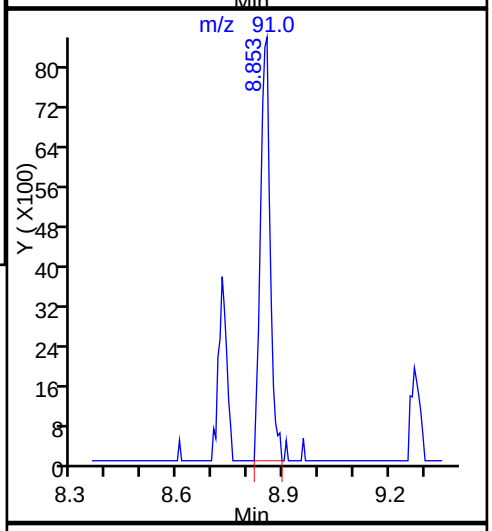
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5051.D				
Injection Date:	30-Nov-2015 17:05:30	Instrument ID:	HP5973N		
Lims ID:	480-91710-A-7-B	Lab Sample ID:	480-91710-7		
Client ID:	B22-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	46	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

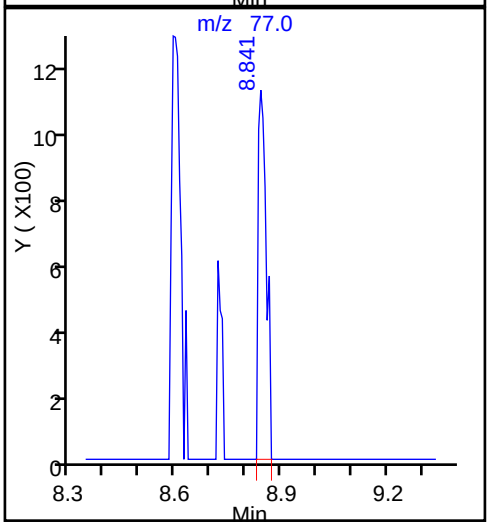
90 m-Xylene & p-Xylene, CAS: 179601-23-1











FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S3 | Lab Sample ID: 480-91710-8

Matrix: Solid | Lab File ID: F2872.D

Analysis Method: 8260C | Date Collected: 11/24/2015 15:00

Sample wt/vol: 5.03(g) | Date Analyzed: 11/28/2015 03:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 19.3 | Level: (low/med) Low

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.80	J	6.2	0.45
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	6.2	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	90		6.2	1.4
79-00-5	1,1,2-Trichloroethane	ND		6.2	0.80
75-34-3	1,1-Dichloroethane	18		6.2	0.75
75-35-4	1,1-Dichloroethene	ND		6.2	0.75
120-82-1	1,2,4-Trichlorobenzene	ND	*	6.2	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	6.2	3.1
95-50-1	1,2-Dichlorobenzene	ND	*	6.2	0.48
107-06-2	1,2-Dichloroethane	ND		6.2	0.31
78-87-5	1,2-Dichloropropane	ND		6.2	3.1
541-73-1	1,3-Dichlorobenzene	ND	*	6.2	0.32
106-46-7	1,4-Dichlorobenzene	ND	*	6.2	0.86
78-93-3	2-Butanone (MEK)	ND	*	31	2.3
591-78-6	2-Hexanone	ND		31	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		31	2.0
67-64-1	Acetone	84	B	31	5.2
71-43-2	Benzene	ND		6.2	0.30
75-25-2	Bromoform	ND		6.2	3.1
74-83-9	Bromomethane	ND		6.2	0.55
75-15-0	Carbon disulfide	ND		6.2	3.1
56-23-5	Carbon tetrachloride	ND		6.2	0.60
108-90-7	Chlorobenzene	ND		6.2	0.81
124-48-1	Dibromochloromethane	ND		6.2	0.79
75-00-3	Chloroethane	ND		6.2	1.4
67-66-3	Chloroform	ND		6.2	0.38
74-87-3	Chloromethane	ND		6.2	0.37
156-59-2	cis-1,2-Dichloroethene	17		6.2	0.79
110-82-7	Cyclohexane	ND		6.2	0.86
75-27-4	Bromodichloromethane	ND		6.2	0.83
75-71-8	Dichlorodifluoromethane	ND		6.2	0.51
100-41-4	Ethylbenzene	ND		6.2	0.42
106-93-4	1,2-Dibromoethane	ND		6.2	0.79
98-82-8	Isopropylbenzene	ND	*	6.2	0.93
79-20-9	Methyl acetate	ND		6.2	3.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B22-POLEBARN-S3 | Lab Sample ID: 480-91710-8

Matrix: Solid | Lab File ID: F2872.D

Analysis Method: 8260C | Date Collected: 11/24/2015 15:00

Sample wt/vol: 5.03(g) | Date Analyzed: 11/28/2015 03:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 19.3 | Level: (low/med) Low

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		6.2	0.60
108-87-2	Methylcyclohexane	ND		6.2	0.94
75-09-2	Methylene Chloride	61	B	6.2	2.8
127-18-4	Tetrachloroethene	74		6.2	0.83
108-88-3	Toluene	1.5	J	6.2	0.47
156-60-5	trans-1,2-Dichloroethene	ND		6.2	0.64
10061-02-6	trans-1,3-Dichloropropene	ND		6.2	2.7
79-01-6	Trichloroethene	170		6.2	1.4
75-69-4	Trichlorofluoromethane	ND		6.2	0.58
75-01-4	Vinyl chloride	ND		6.2	0.75
1330-20-7	Xylenes, Total	ND		12	1.0
10061-01-5	cis-1,3-Dichloropropene	ND		6.2	0.89
100-42-5	Styrene	ND		6.2	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		64-126
460-00-4	4-Bromofluorobenzene (Surr)	59	X	72-126
2037-26-5	Toluene-d8 (Surr)	88		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D
Lims ID: 480-91710-A-8-B Lab Sample ID: 480-91710-8
Client ID: B22-POLEBARN-S3
Sample Type: Client
Inject. Date: 28-Nov-2015 03:48:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91710-A-8-B
Misc. Info.: 480-0048754-021
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 29-Nov-2015 20:34:09 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: diasn Date: 29-Nov-2015 20:34:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	130147	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	208799	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	135533	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.133	0.006	0	65132	40.8	
$ 5 Toluene-d8 (Surr)	98	6.757	6.751	0.006	93	376274	43.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	86	68943	29.6	
10 Dichlorodifluoromethane	85		1.914				ND	
12 Chloromethane	50		2.066				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	95	267698	73.2	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43	3.192	3.180	0.012	99	95284	68.5	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.514	3.508	0.006	95	233699	49.8	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	97	110858	14.9	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	81	63003	14.2	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	36	3710	0.6519	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95	5.686	5.686	0.000	98	554063	135.0	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.149				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92	6.818	6.818	0.000	98	10335	1.25	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	199216	59.8	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91	8.284	8.290	-0.006	92	3413	0.2278	
90 m-Xylene & p-Xylene	106		8.406				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146	10.900	10.906	-0.006	86	1225	0.2650	
117 1,2-Dibromo-3-Chloropropan	75		11.581				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 29-Nov-2015 20:34:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D

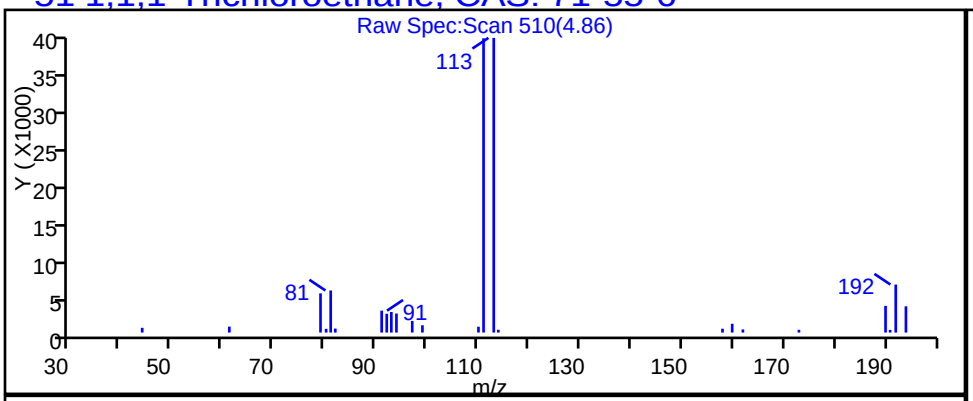
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8	Worklist Smp#:	21
Client ID:	B22-POLEBARN-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

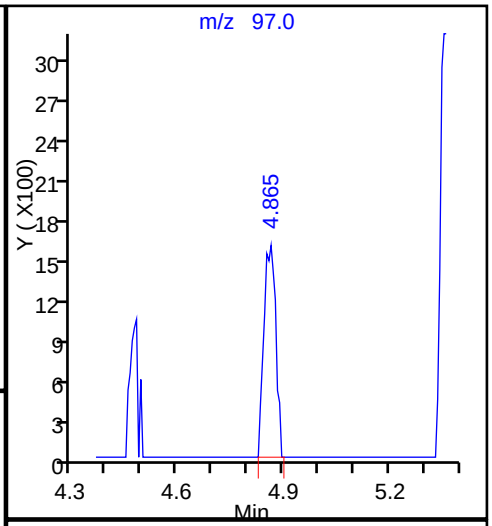
Column: ZB-624 (0.25 mm)

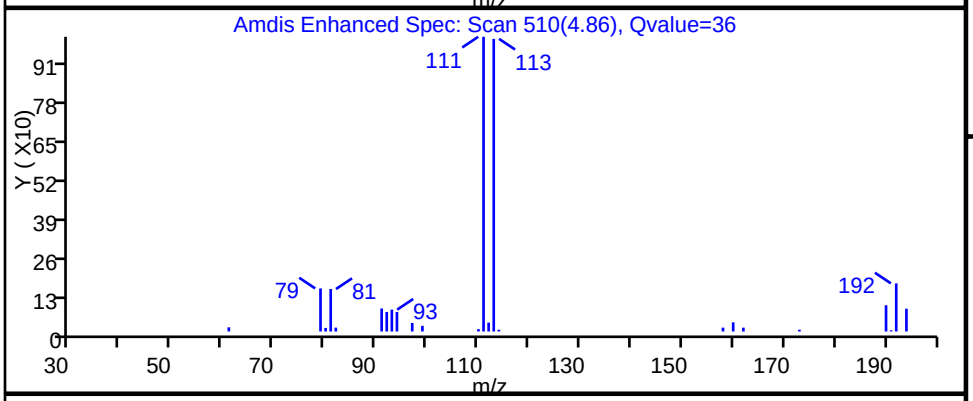
TestAmerica Buffalo

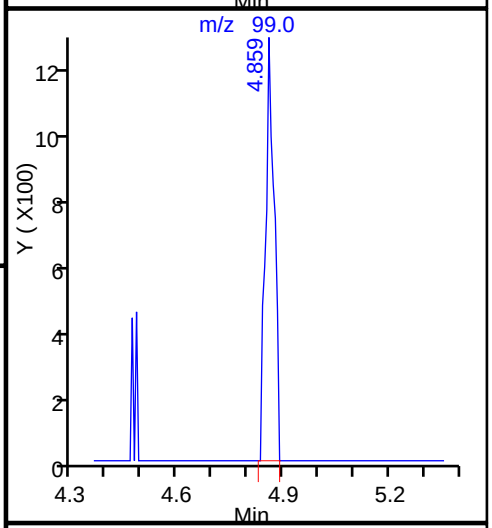
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D		
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8
Client ID:	B22-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

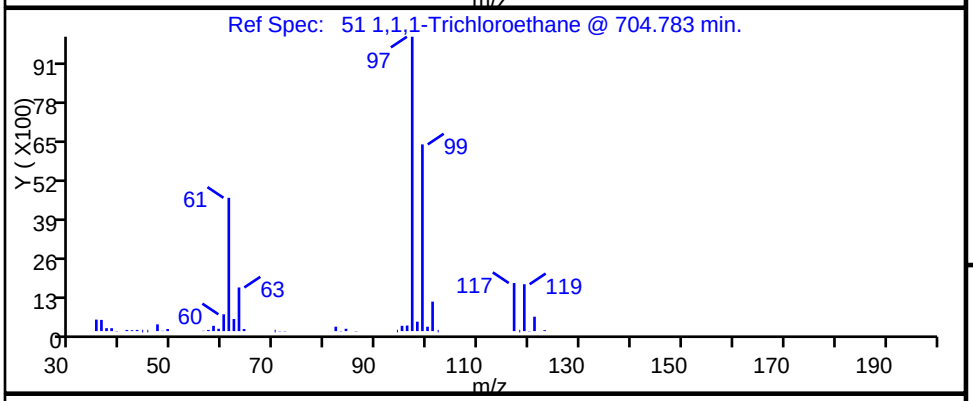
51 1,1,1-Trichloroethane, CAS: 71-55-6

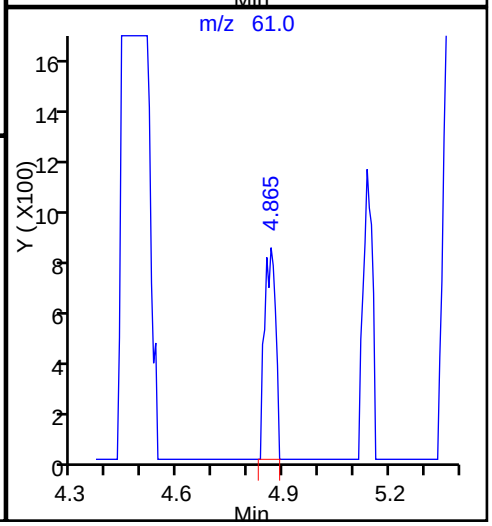


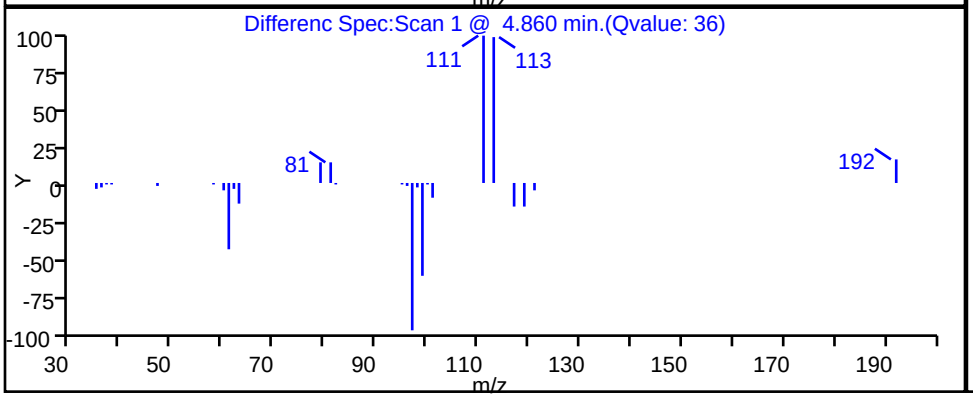












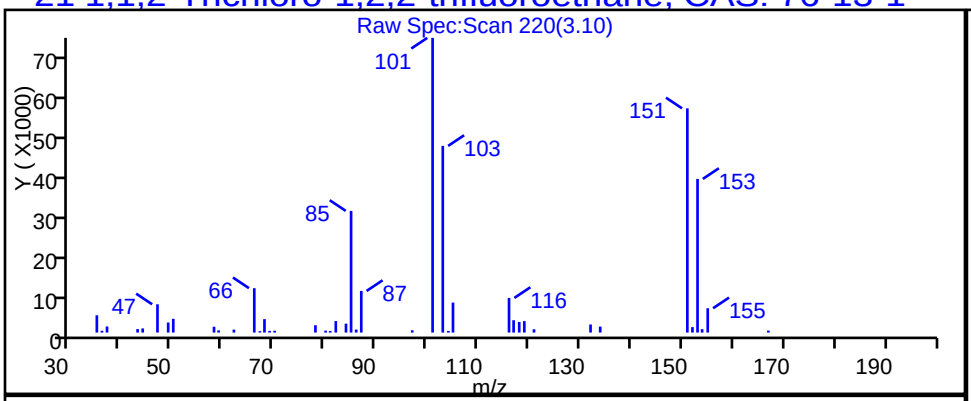
Report Date: 29-Nov-2015 20:34:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

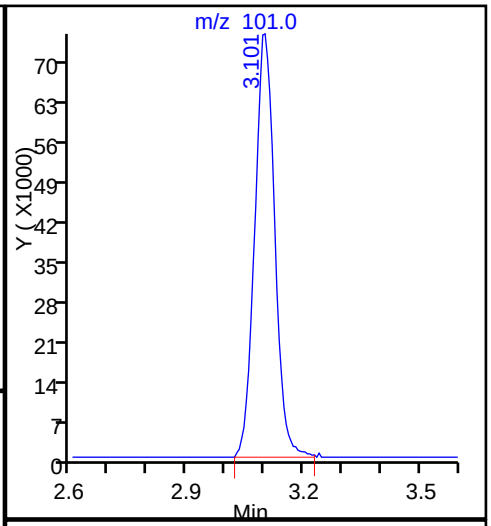
TestAmerica Buffalo

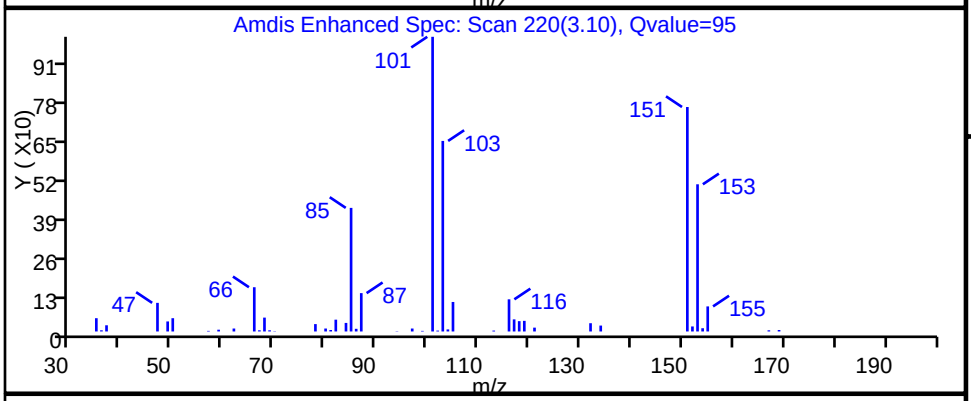
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D

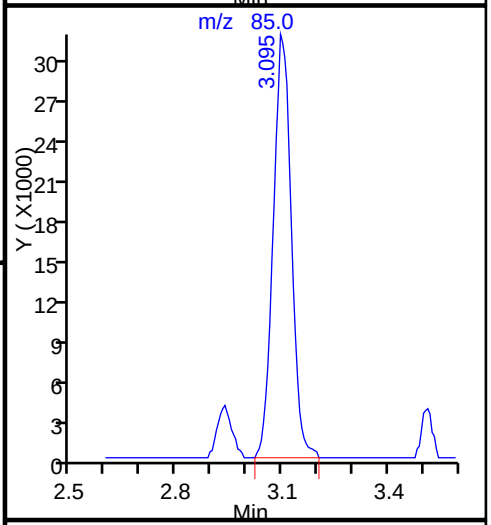
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8
Client ID:	B22-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

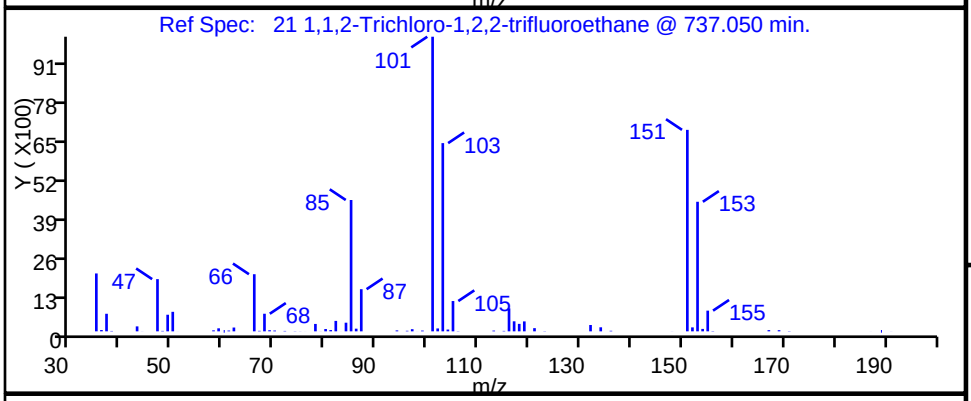
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

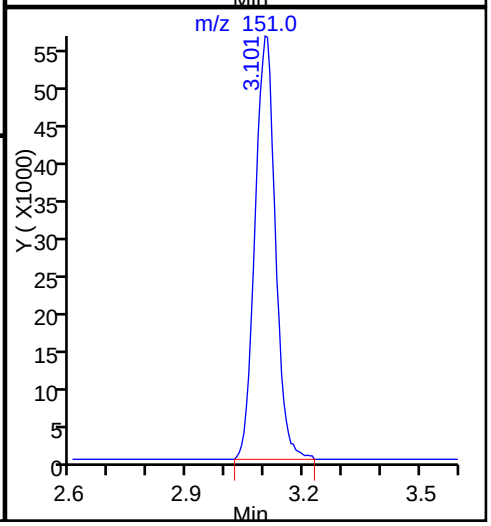


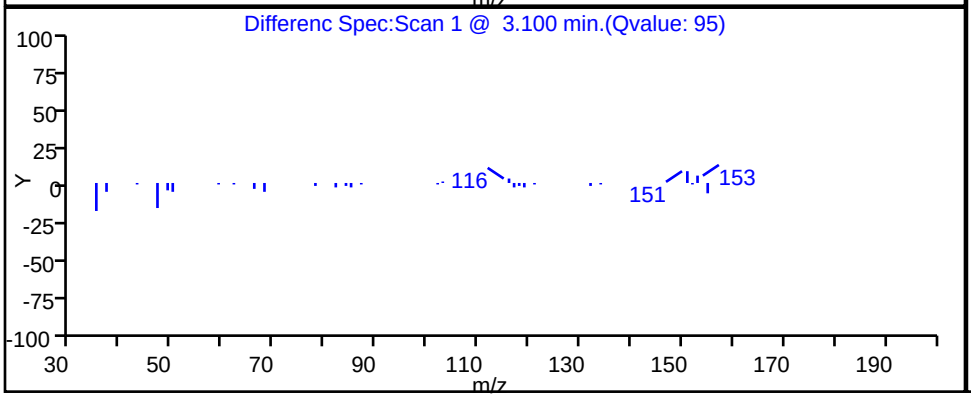












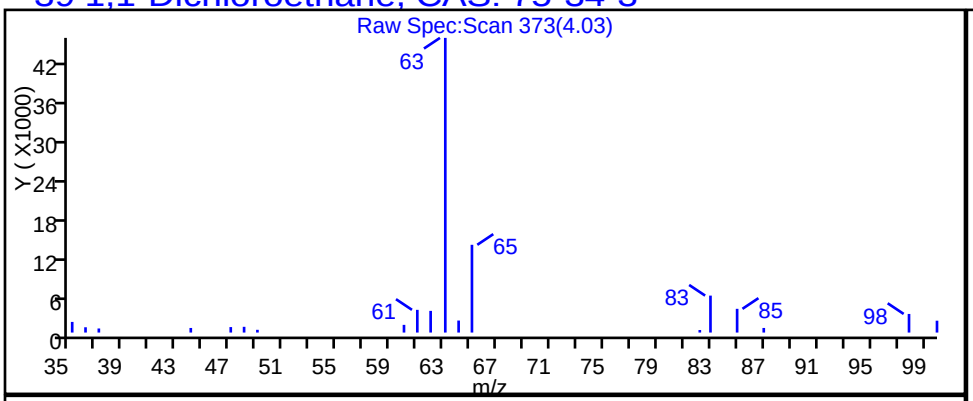
Report Date: 29-Nov-2015 20:34:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

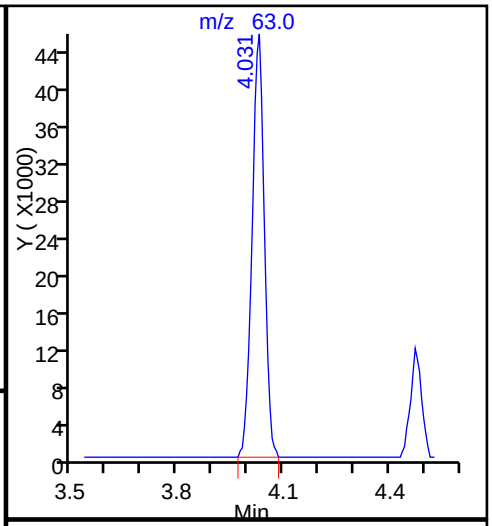
TestAmerica Buffalo

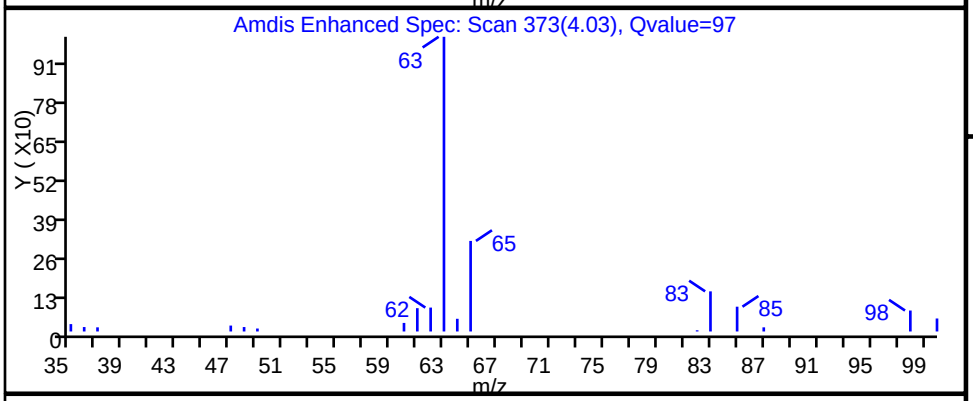
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D

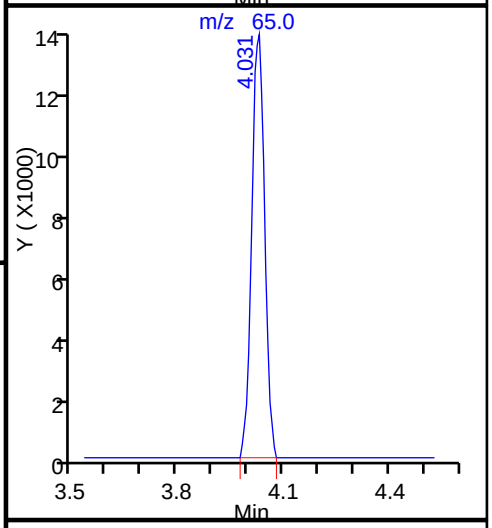
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8		
Client ID:	B22-POLEBARN-S3				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

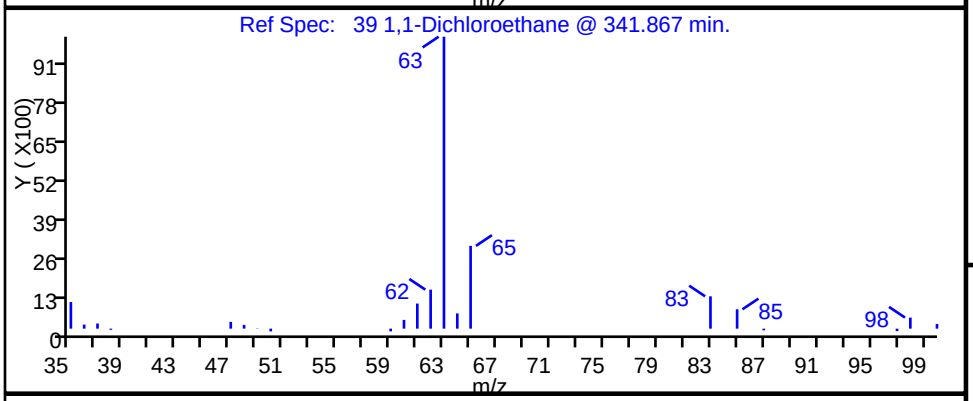
39 1,1-Dichloroethane, CAS: 75-34-3

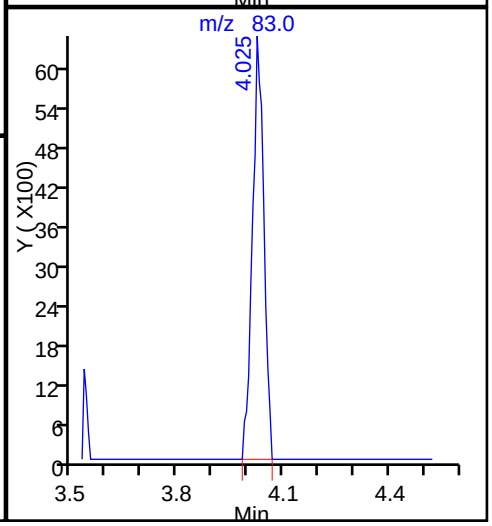


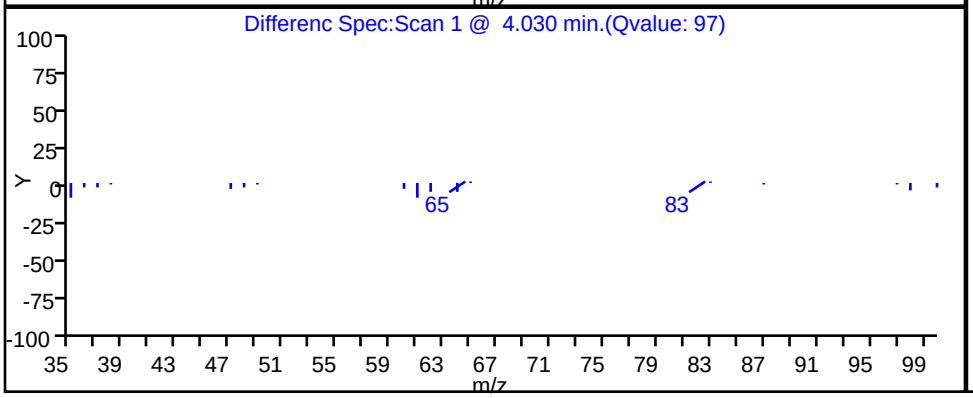










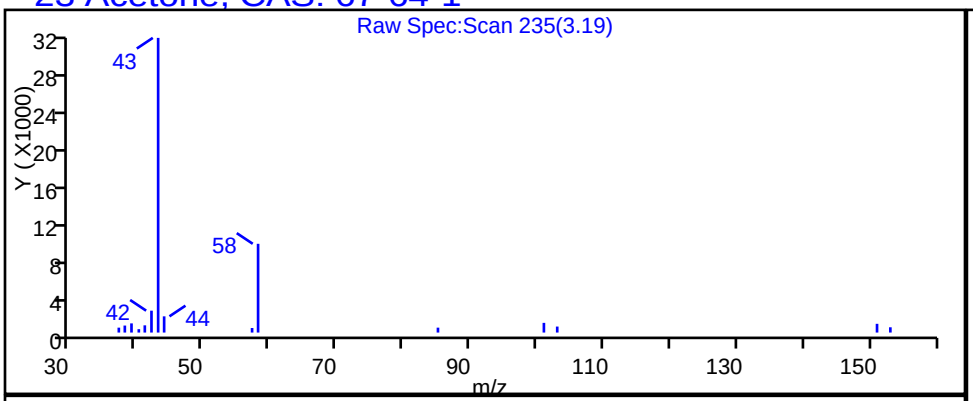


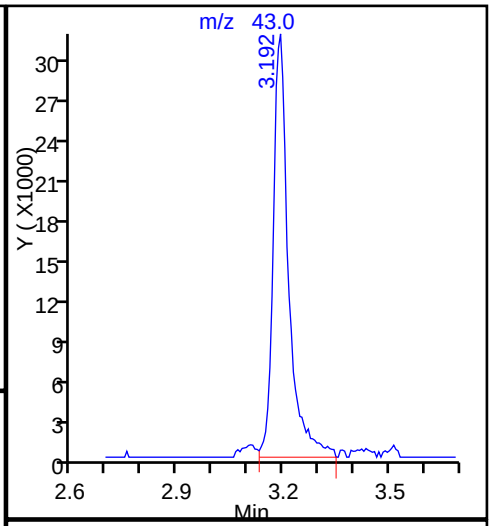
TestAmerica Buffalo

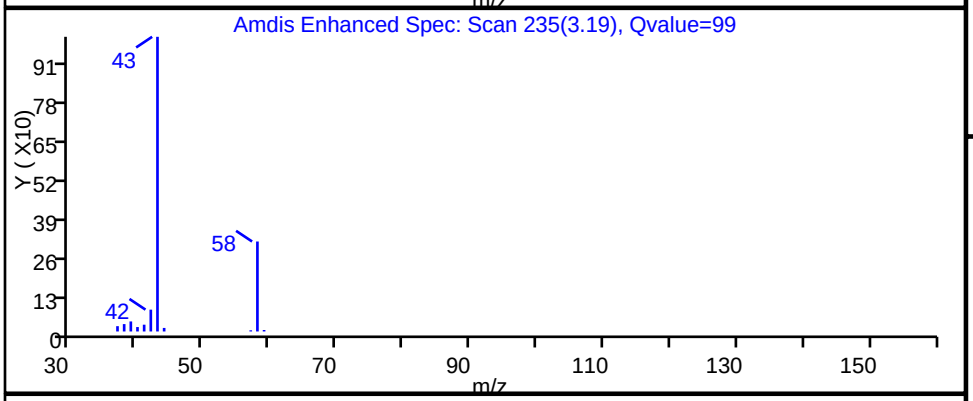
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D

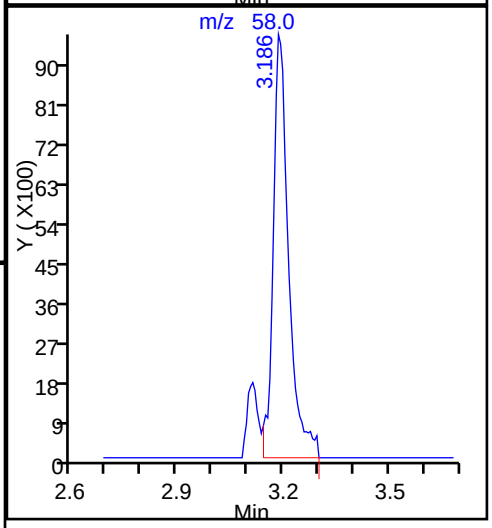
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8
Client ID:	B22-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

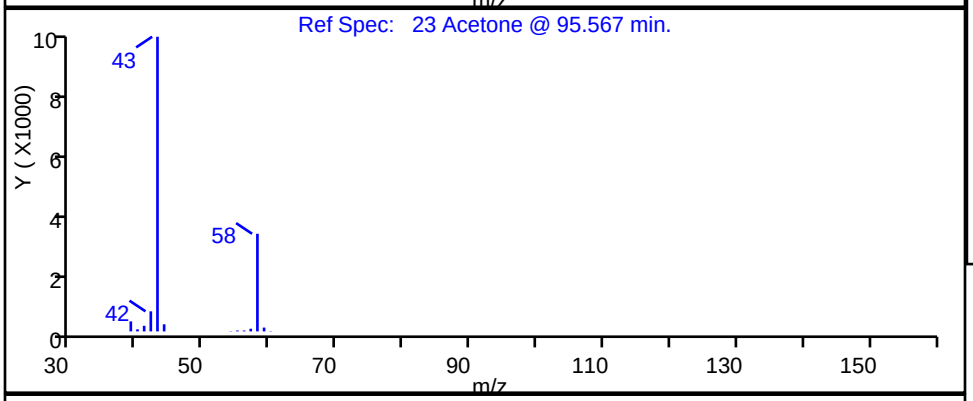
23 Acetone, CAS: 67-64-1

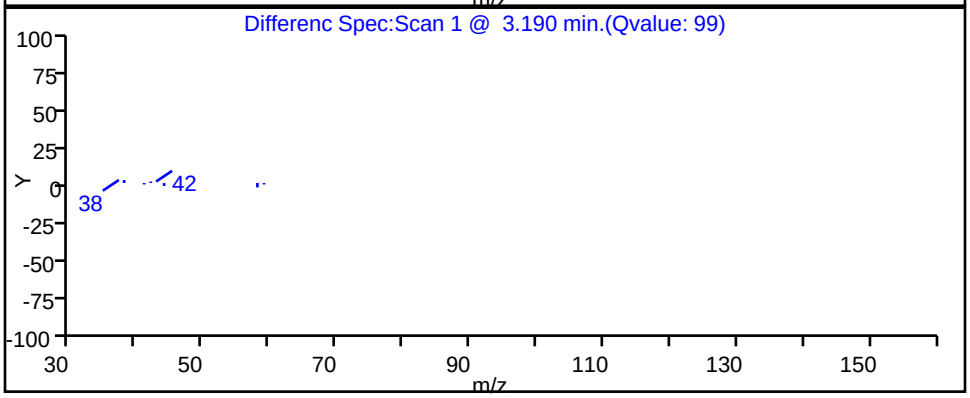








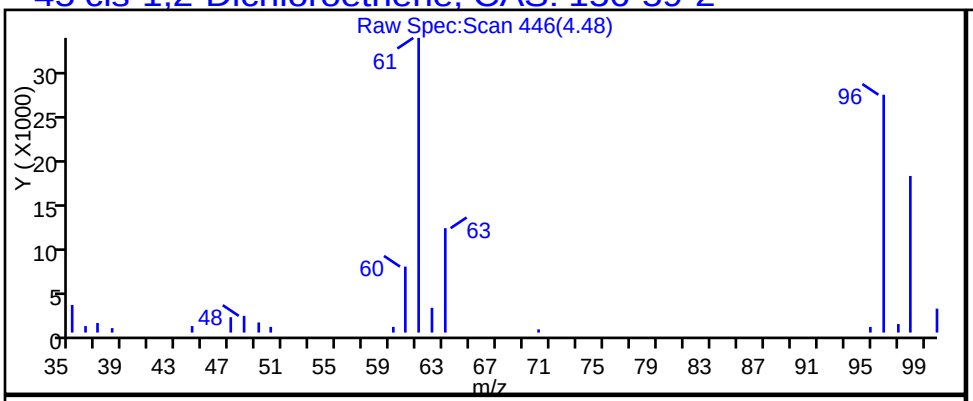


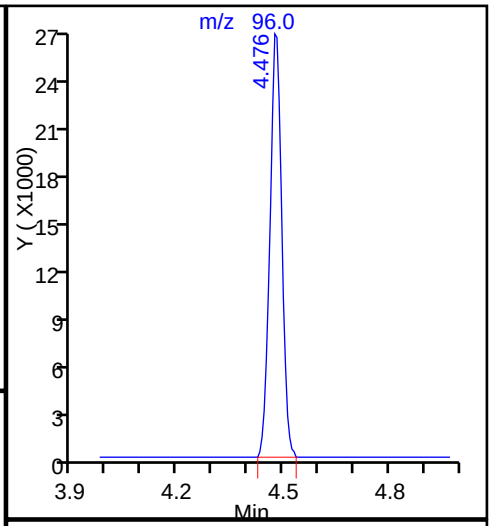


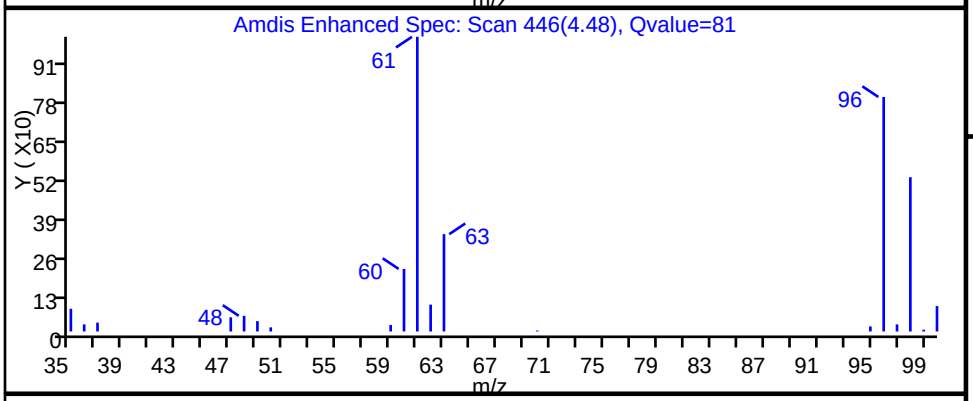
TestAmerica Buffalo

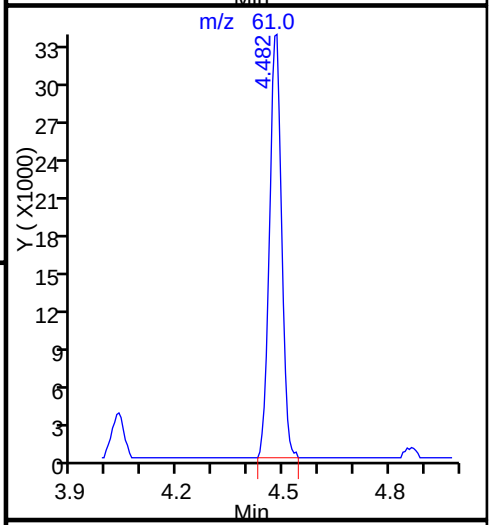
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D		
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8
Client ID:	B22-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

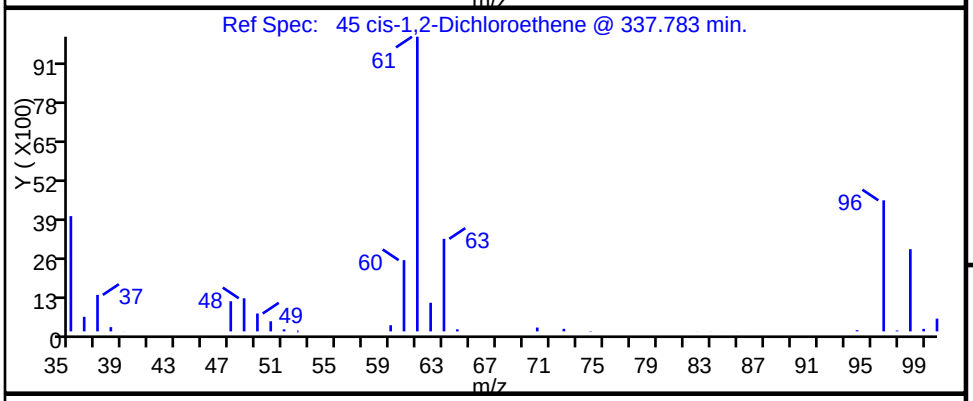
45 cis-1,2-Dichloroethene, CAS: 156-59-2

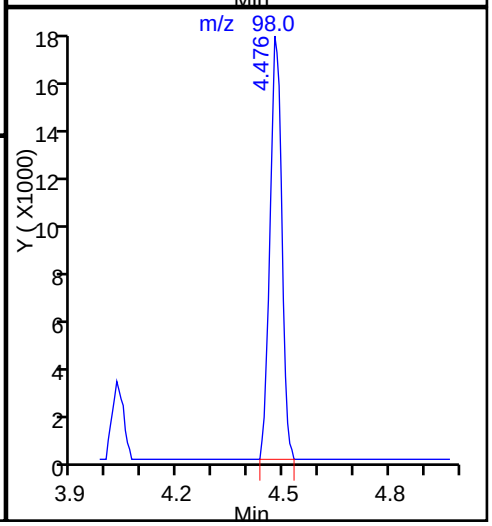


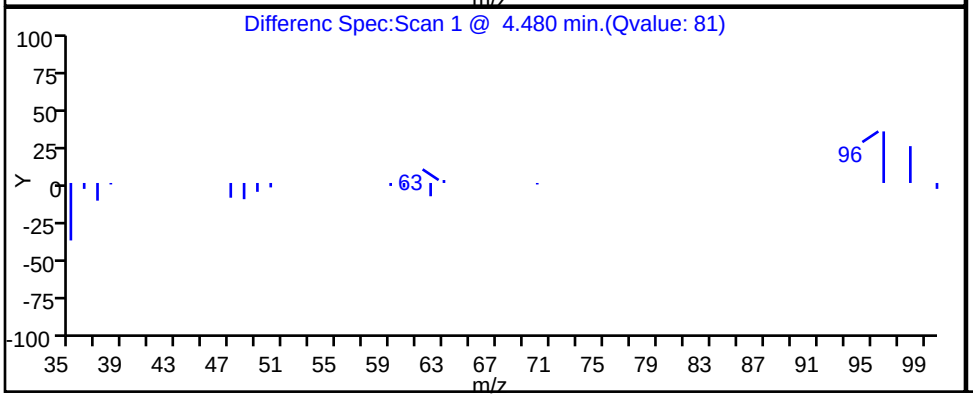












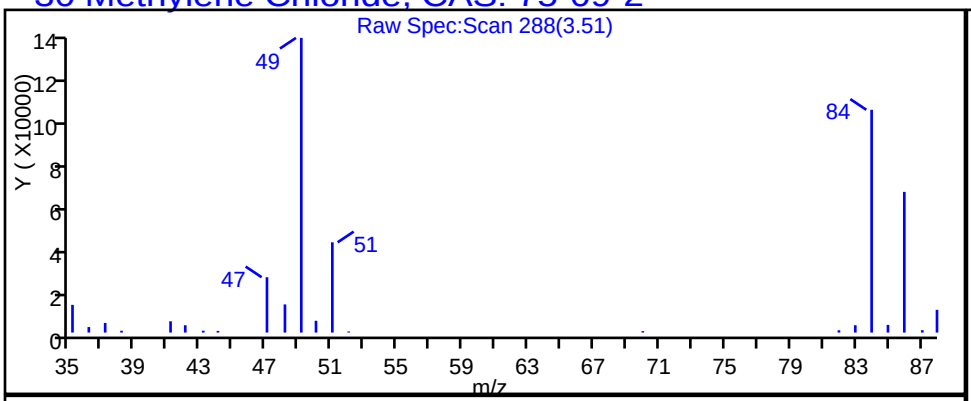
Report Date: 29-Nov-2015 20:34:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

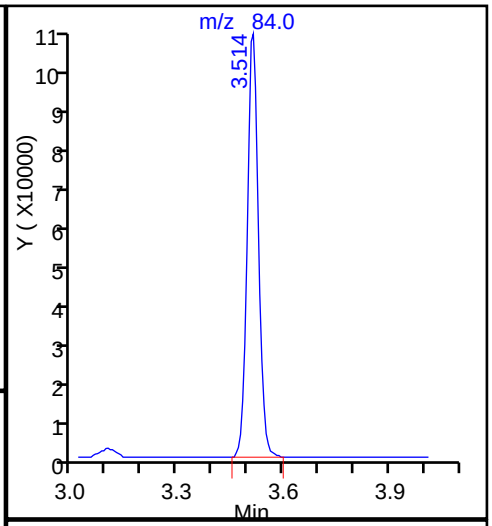
TestAmerica Buffalo

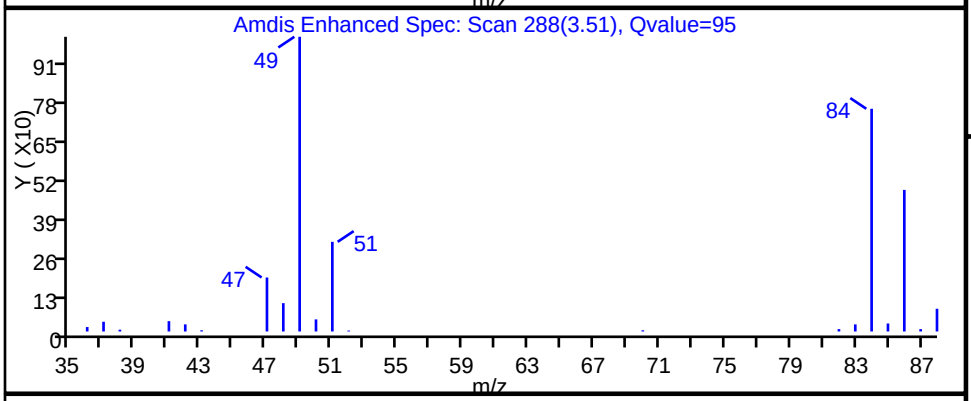
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D

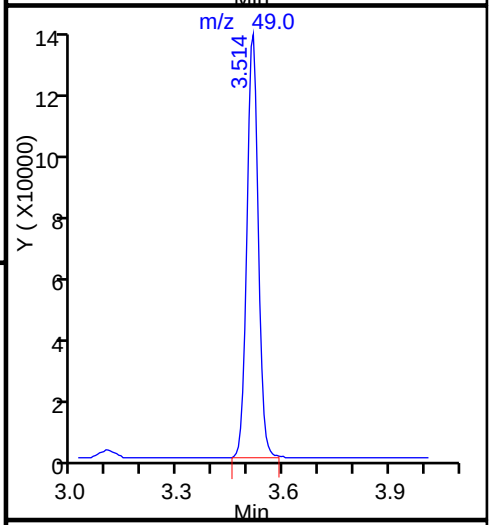
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F		
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8		
Client ID:	B22-POLEBARN-S3				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

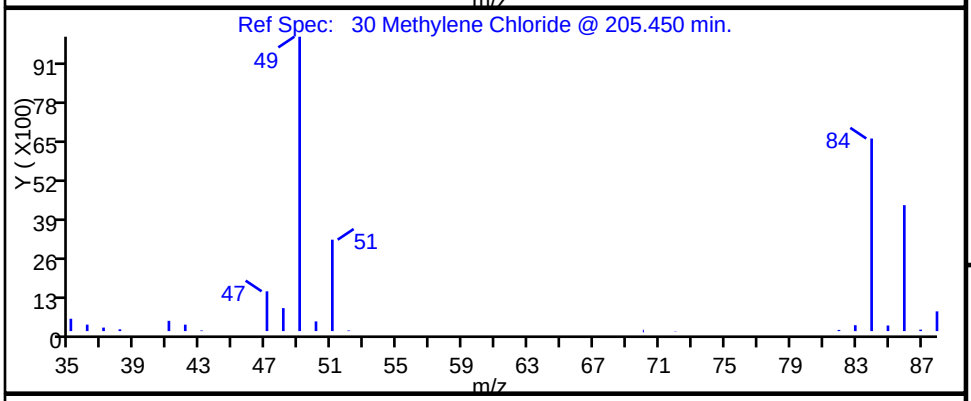
30 Methylene Chloride, CAS: 75-09-2

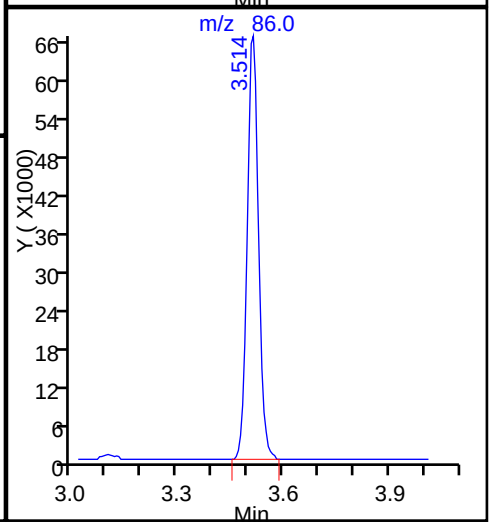


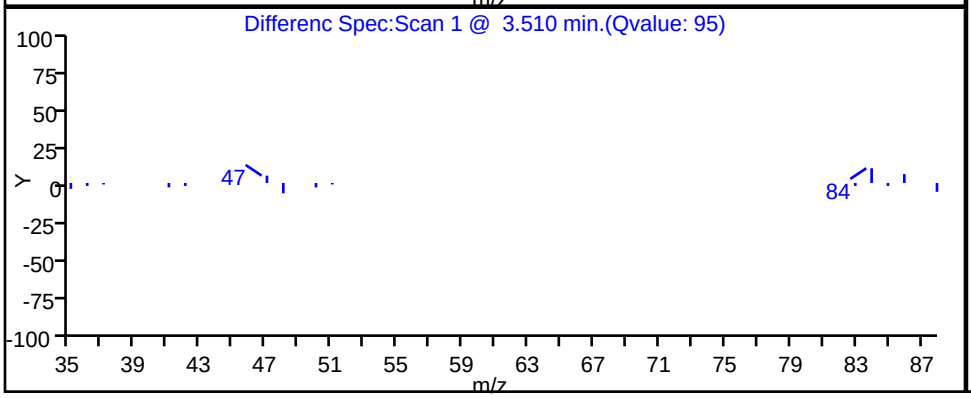








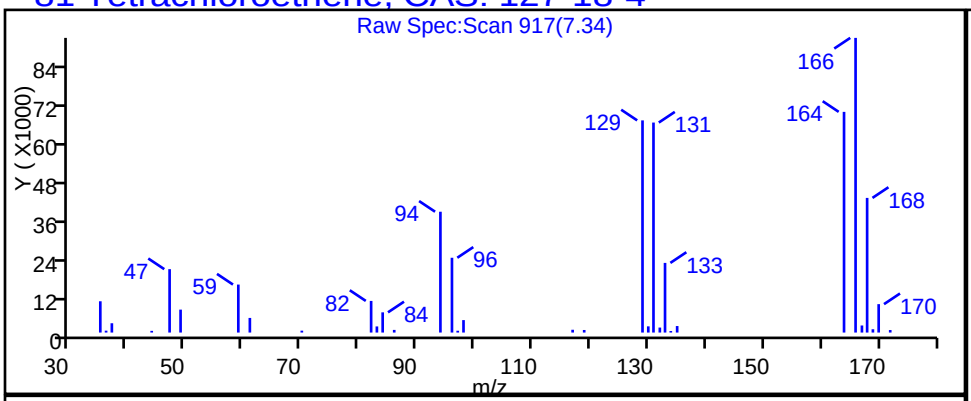


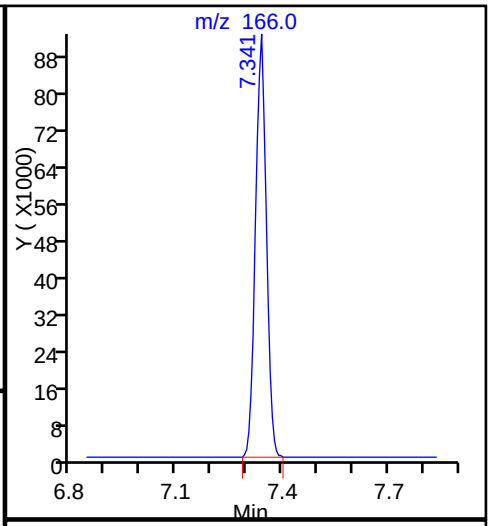


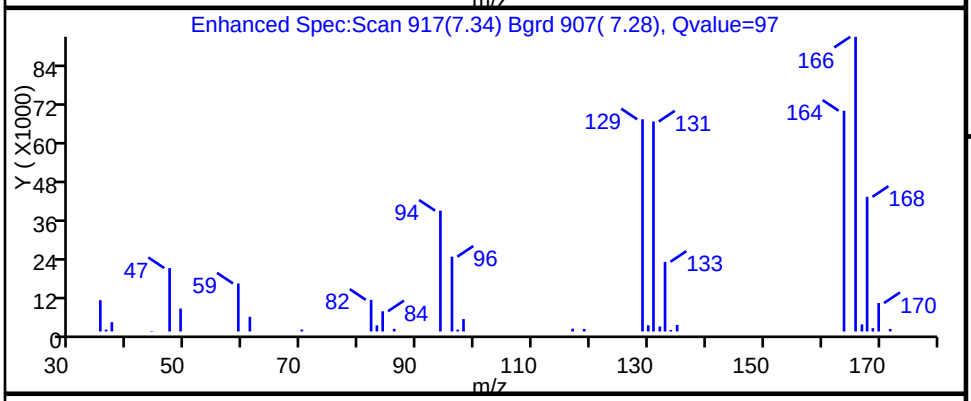
TestAmerica Buffalo

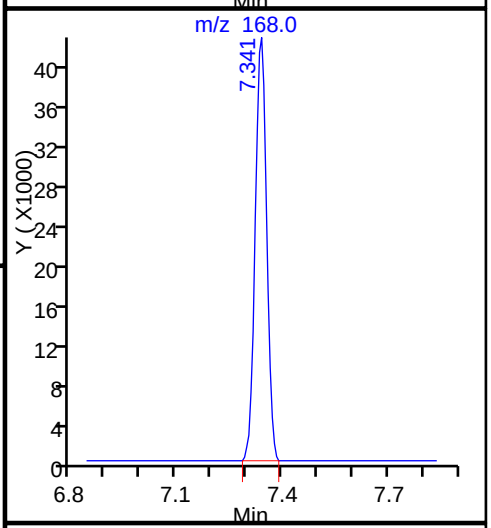
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D		
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8
Client ID:	B22-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

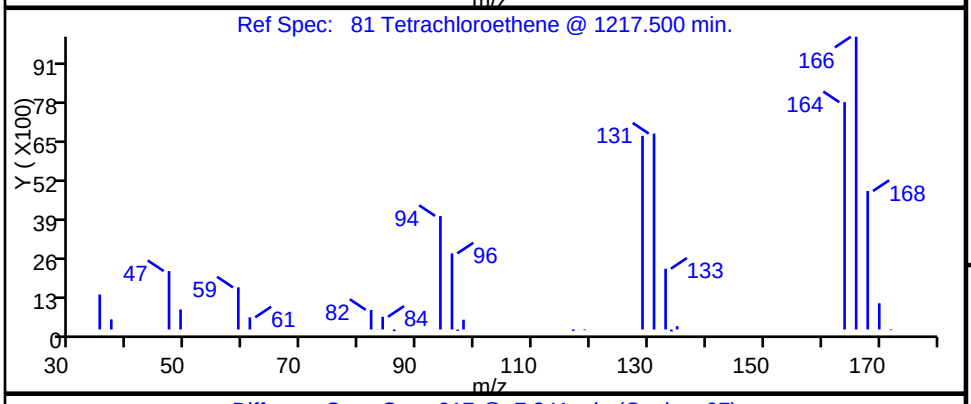
81 Tetrachloroethene, CAS: 127-18-4

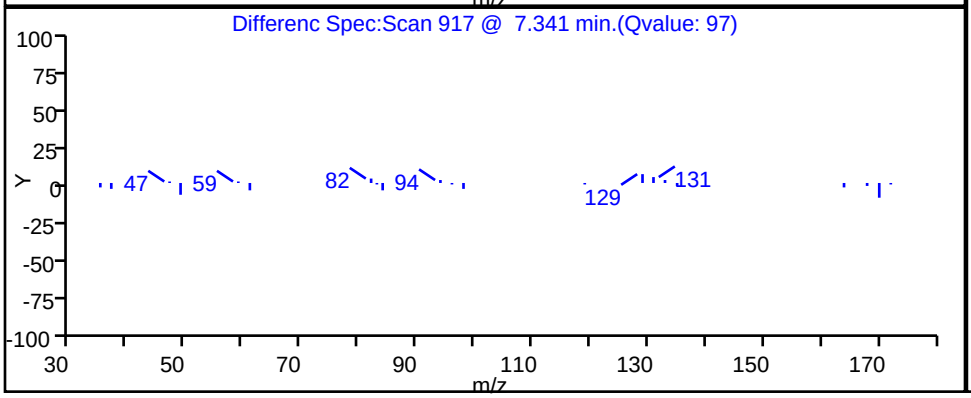


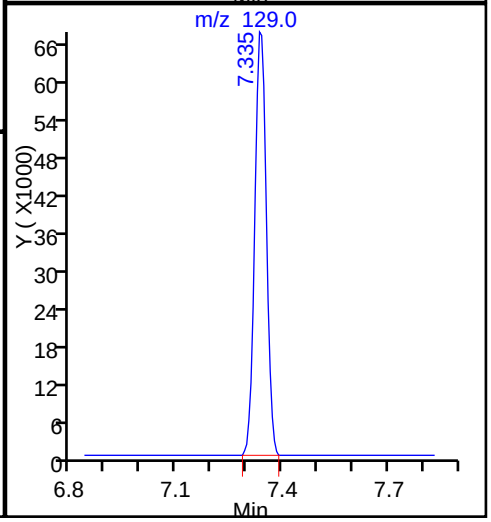








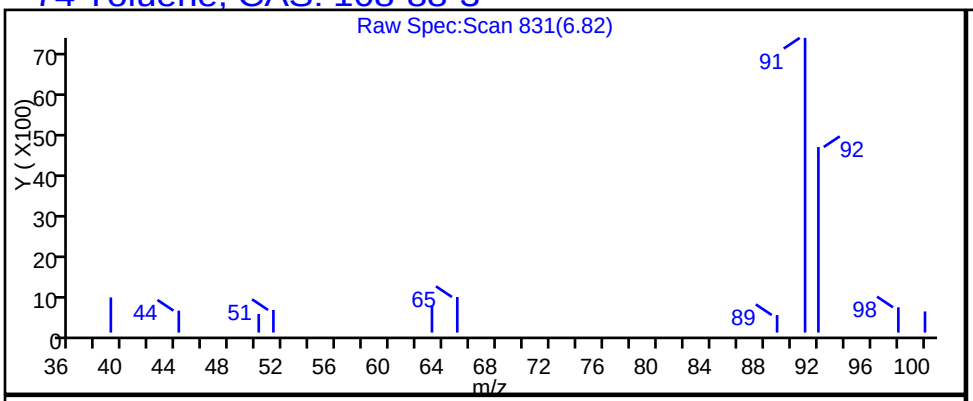


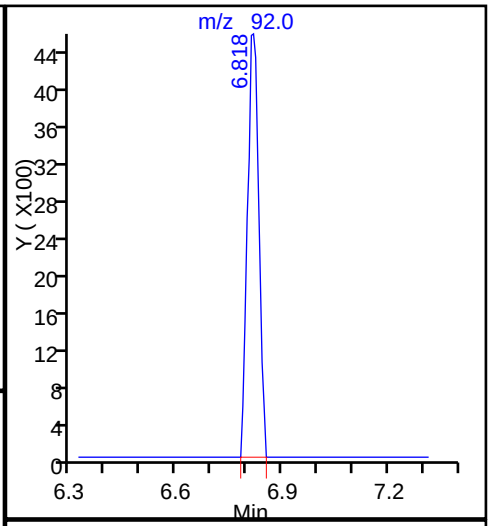


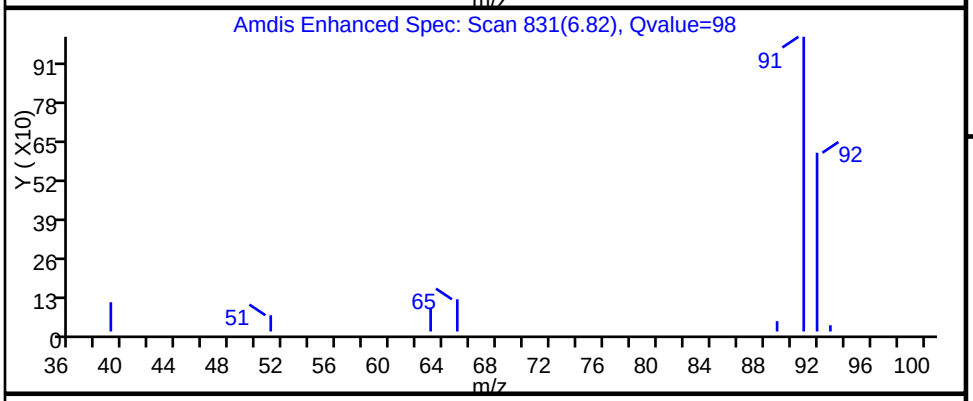
TestAmerica Buffalo

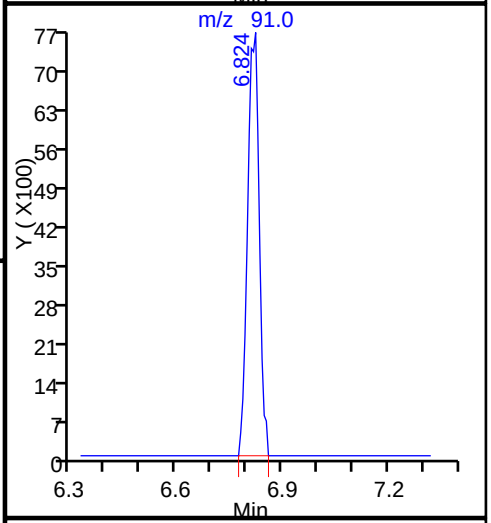
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D		
Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8
Client ID:	B22-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

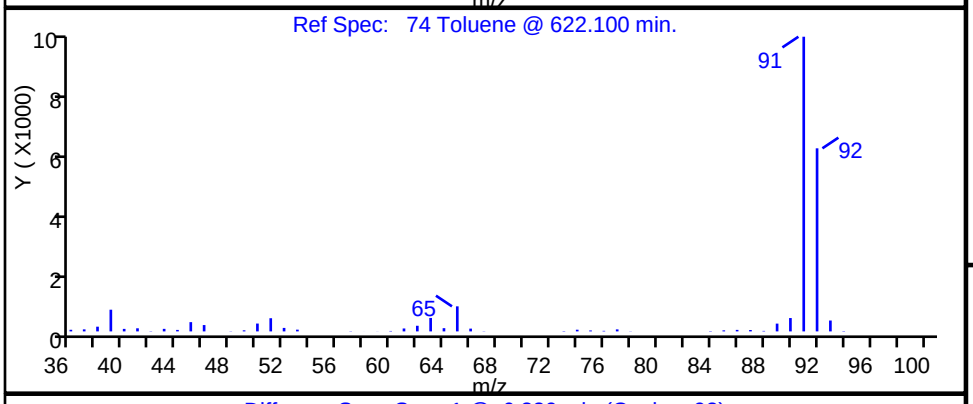
74 Toluene, CAS: 108-88-3

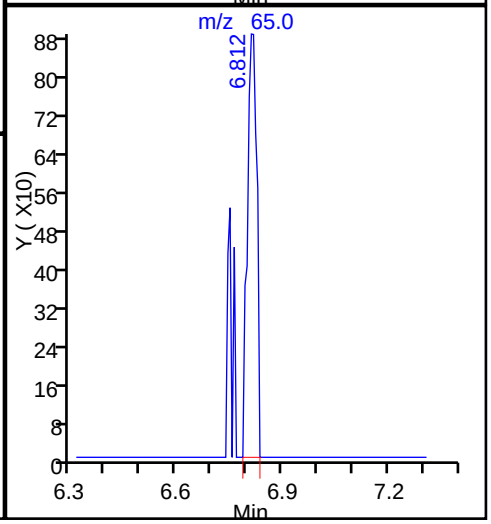


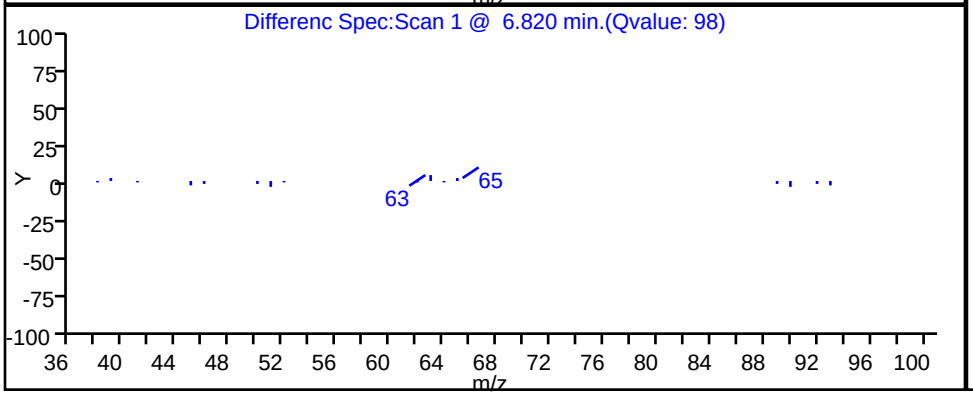












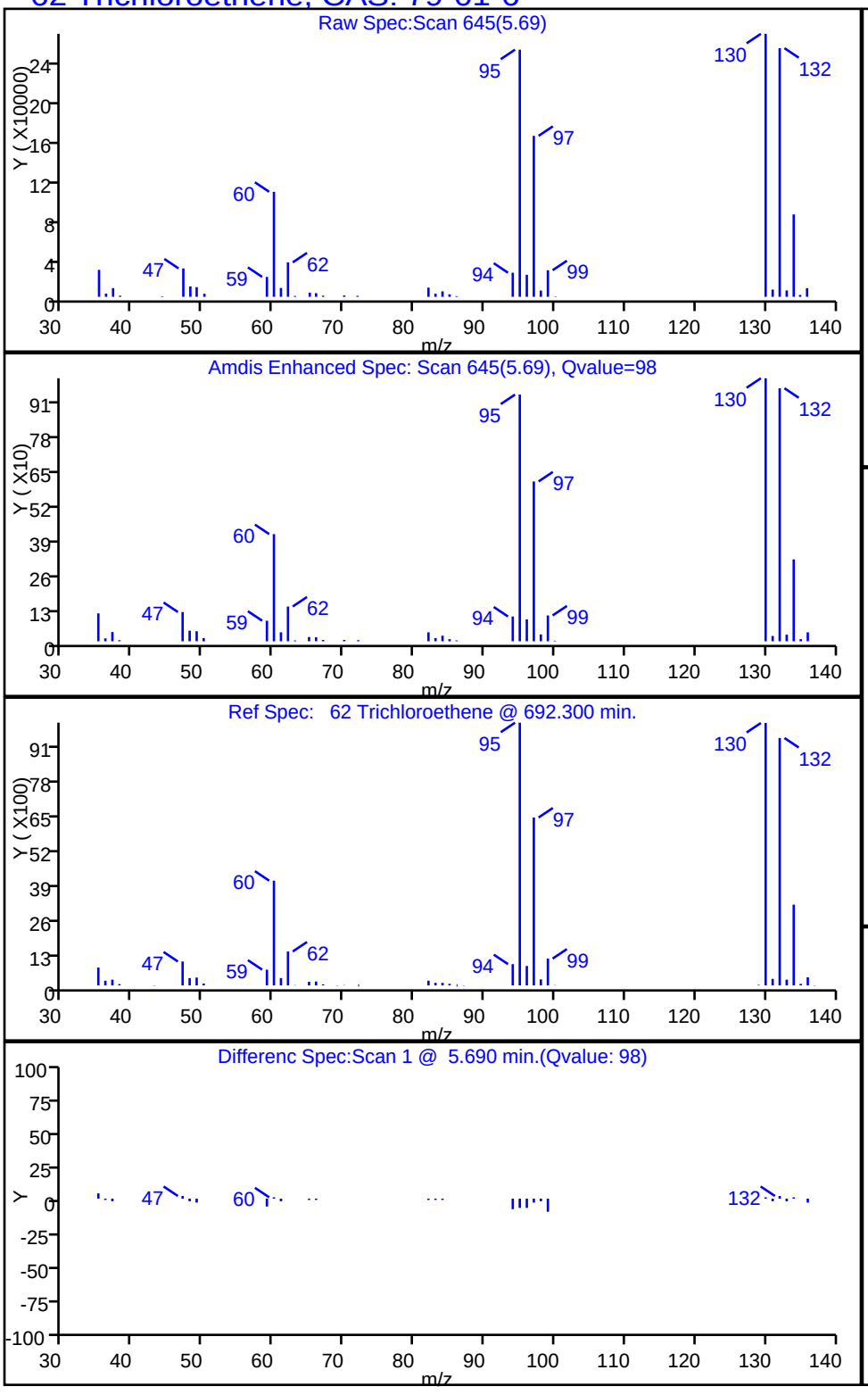
Report Date: 29-Nov-2015 20:34:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

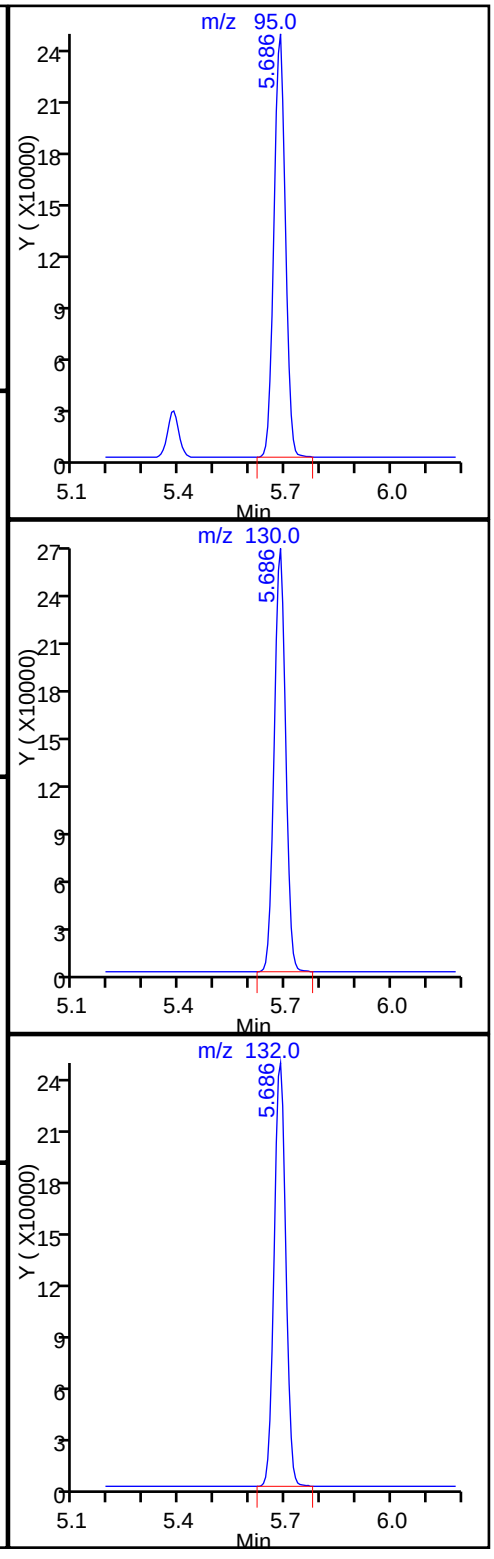
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2872.D

Injection Date:	28-Nov-2015 03:48:30	Instrument ID:	HP5973F
Lims ID:	480-91710-A-8-B	Lab Sample ID:	480-91710-8
Client ID:	B22-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6





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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-275773/4	F2488.D
Level 2	IC 480-275773/5	F2489.D
Level 3	IC 480-275773/6	F2490.D
Level 4	IC 480-275773/7	F2491.D
Level 5	ICIS 480-275773/8	F2492.D
Level 6	IC 480-275773/9	F2493.D
Level 7	IC 480-275773/10	F2494.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.9968 1.7152	1.9663 1.7498	1.9165	1.7413	1.7821	Ave		1.8383			0.1000	6.4		20.0			
Chloromethane	1.6014 1.3848	1.5829 1.3619	1.5787	1.4485	1.3826	Ave		1.4773			0.1000	7.2		20.0			
Vinyl chloride	1.3458 1.2314	1.3402 1.2214	1.3225	1.2086	1.2127	Ave		1.2689			0.1000	5.0		20.0			
Butadiene	1.3365 1.2531	1.4155 1.2597	1.3363	1.2136	1.2509	Ave		1.2951				5.4		20.0			
Bromomethane	0.8941 0.7652	0.8937 0.7731	0.8575	0.8253	0.7779	Ave		0.8267			0.1000	6.8		20.0			
Chloroethane	0.7118 0.6582	0.7367 0.6659	0.7016	0.6725	0.6678	Ave		0.6878			0.1000	4.3		20.0			
Dichlorofluoromethane	1.9800 1.8184	2.1166 1.8025	2.0254	1.8525	1.8509	Ave		1.9209				6.3		20.0			
Trichlorofluoromethane	2.0339 1.8283	2.1570 1.8306	2.0348	1.7954	1.8980	Ave		1.9397			0.1000	7.0		20.0			
Ethyl ether	1.3084 1.2364	1.3456 1.2669	1.3677	1.3226	1.2779	Ave		1.3036				3.5		20.0			
Acrolein	0.3012 0.3235	0.3266 0.2965	0.3179	0.3190	0.3129	Ave		0.3140				3.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5046 1.3329	1.4652 1.3451	1.4724	1.3045	1.4125	Ave		1.4053			0.1000	5.6		20.0			
1,1-Dichloroethene	1.4767 1.4009	1.5464 1.3928	1.5349	1.4009	1.4531	Ave		1.4579			0.1000	4.4		20.0			
Acetone	0.5825 0.5598	0.5721 0.4868	0.4879	0.5407	0.5129	Ave		0.5347			0.1000	7.4		20.0			
Iodomethane	2.6470 2.4908	2.6834 2.4461	2.6873	2.6259	2.5166	Ave		2.5853				3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.7403 4.7847	4.7121 4.7795	4.6943	4.4931	4.7420	Ave		4.7066			0.1000	2.1		20.0			
Methyl acetate	1.4679 1.4815	1.4936 1.3051	1.4943	1.4769	1.3931	Ave		1.4446			0.1000	4.9		20.0			
Allyl chloride	2.7197 2.5853	2.7340 2.5083	2.8002	2.7251	2.6286	Ave		2.6716				3.8		20.0			
Methylene Chloride	+++++ 1.5606	2.2999 1.5368	1.9797	1.8437	1.5920	Ave		1.8021			0.1000	16.7		20.0			
2-Methyl-2-propanol	0.1950 0.2115	0.1898 0.1788	0.1734	0.1819	0.1906	Ave		0.1887				6.6		20.0			
Methyl tert-butyl ether	4.4345 4.4596	4.5682 4.3494	4.6923	4.7819	4.4291	Ave		4.5307			0.1000	3.5		20.0			
trans-1,2-Dichloroethene	1.6775 1.5117	1.6795 1.4633	1.6745	1.5855	1.5464	Ave		1.5912			0.1000	5.6		20.0			
Acrylonitrile	0.6873 0.6751	0.6459 0.5908	0.6361	0.6651	0.6217	Ave		0.6460				5.2		20.0			
Hexane	+++++ 2.6402	3.3415 2.6457	3.0404	2.7470	2.7727	Ave		2.8646				9.6		20.0			
Vinyl acetate	2.5851 3.0027	2.8282 2.8447	2.9572	3.1192	2.9235	Ave		2.8944				5.8		20.0			
1,1-Dichloroethane	3.0216 2.7013	2.9758 2.6644	2.9902	2.9238	2.7564	Ave		2.8619			0.2000	5.2		20.0			
2,2-Dichloropropane	2.0835 2.0619	2.0895 2.0565	2.1264	2.0488	2.0949	Ave		2.0802				1.3		20.0			
2-Butanone (MEK)	0.7708 0.9115	0.7833 0.7929	0.8137	0.8470	0.8229	Ave		0.8203			0.1000	5.8		20.0			
cis-1,2-Dichloroethene	1.7535 1.6277	1.7604 1.5976	1.7963	1.7567	1.6527	Ave		1.7064			0.1000	4.6		20.0			
Chlorobromomethane	0.7738 0.8149	0.8301 0.8119	0.8628	0.8928	0.8175	Ave		0.8291				4.6		20.0			
Tetrahydrofuran	0.5414 0.6468	0.5636 0.5751	0.5769	0.5964	0.5741	Ave		0.5821				5.7		20.0			
Chloroform	2.6802 2.5085	2.7025 2.4965	2.7532	2.7090	2.5363	Ave		2.6266			0.2000	4.1		20.0			
1,1,1-Trichloroethane	2.1406 2.1485	2.2432 2.1755	2.2545	2.1411	2.2012	Ave		2.1864			0.1000	2.2		20.0			
Cyclohexane	2.8459 2.6798	2.9239 2.6642	2.8749	2.5928	2.7444	Ave		2.7608			0.1000	4.5		20.0			
1,1-Dichloropropene	2.1933 2.0858	2.1651 2.0788	2.2128	2.0787	2.1155	Ave		2.1329				2.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	1.8323 1.9195	1.8968 1.9437	1.8988	1.8220	1.9501	Ave		1.8947			0.1000	2.7		20.0			
Isobutyl alcohol	0.0679 0.0945	0.0735 0.0821	0.0724	0.0774	0.0833	Ave		0.0787				11.2		20.0			
Benzene	6.6309 5.9410	6.6207 5.8389	6.5767	6.4478	6.0453	Ave		6.3002			0.5000	5.5		20.0			
1,2-Dichloroethane	2.1057 1.9781	2.1378 1.9599	2.1466	2.2008	1.9831	Ave		2.0731			0.1000	4.7		20.0			
n-Heptane	+++++ 2.7759	3.1677 2.7988	2.9910	2.7566	2.8374	Ave		2.8879				5.6		20.0			
Trichloroethene	1.6338 1.5318	1.6125 1.5240	1.6024	1.5948	1.5378	Ave		1.5767			0.2000	2.8		20.0			
Methylcyclohexane	2.7343 2.6539	2.7107 2.6939	2.8249	2.5980	2.7300	Ave		2.7065			0.1000	2.6		20.0			
1,2-Dichloropropane	1.5226 1.4744	1.5374 1.4823	1.5434	1.5938	1.4850	Ave		1.5198			0.1000	2.8		20.0			
1,4-Dioxane	0.0027 0.0080	0.0042 0.0073	0.0056	0.0077	0.0074	Lin1	-0.272	0.0077							0.9970		0.9900
Dibromomethane	0.8690 0.8711	0.8815 0.8734	0.8992	0.9313	0.8535	Ave		0.8827			0.1000	2.9		20.0			
Bromodichloromethane	1.6708 1.8721	1.7458 1.9248	1.8186	1.9037	1.8328	Ave		1.8241			0.2000	4.9		20.0			
2-Chloroethyl vinyl ether	0.6967 0.8255	0.6980 0.8275	0.7349	0.8144	0.7718	Ave		0.7670				7.5		20.0			
cis-1,3-Dichloropropene	2.0013 2.3731	2.1245 2.4286	2.3110	2.4798	2.3224	Ave		2.2915			0.2000	7.4		20.0			
4-Methyl-2-pentanone (MIBK)	0.7948 0.8672	0.8574 0.7658	0.8261	0.8791	0.8165	Ave		0.8296			0.1000	4.9		20.0			
Toluene	+++++ 1.8741	2.1263 1.8822	2.0566	2.0462	1.9105	Ave		1.9826			0.4000	5.4		20.0			
Ethyl methacrylate	+++++ 0.9758	0.8396 0.9570	0.8900	0.9833	0.9281	Ave		0.9290				6.0		20.0			
trans-1,3-Dichloropropene	0.9374 1.0538	0.9517 1.0764	1.0176	1.1122	1.0371	Ave		1.0266			0.1000	6.2		20.0			
1,1,2-Trichloroethane	0.5531 0.5366	0.5596 0.5303	0.5495	0.5726	0.5256	Ave		0.5468			0.1000	3.1		20.0			
Tetrachloroethene	+++++ 0.7612	0.8630 0.7590	0.8205	0.7948	0.7841	Ave		0.7971			0.2000	5.0		20.0			
1,3-Dichloropropane	1.1394 1.0850	1.1610 1.0704	1.1570	1.2165	1.0842	Ave		1.1305				4.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.5386 0.6502	0.5828 0.5688	0.5778	0.6319	0.5913	Ave		0.5916			0.1000	6.4		20.0			
Dibromochloromethane	0.5924 0.7458	0.6110 0.7717	0.6561	0.7383	0.7137	Ave		0.6899			0.1000	10.2		20.0			
1,2-Dibromoethane	0.6723 0.6791	0.6576 0.6859	0.6655	0.7208	0.6618	Ave		0.6776				3.2		20.0			
Chlorobenzene	2.3290 2.0407	2.2232 2.0239	2.2256	2.2694	2.0589	Ave		2.1672			0.5000	5.7		20.0			
Ethylbenzene	+++++ 3.3893	3.8958 3.3049	3.7444	3.7090	3.4821	Ave		3.5876			0.1000	6.4		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.6998	0.6622 0.7030	0.7012	0.7341	0.6954	Ave		0.6993				3.3		20.0			
m,p-Xylene	+++++ 1.3915	1.8790 1.3809	1.6189	1.5648	1.4236	Ave		1.5431			0.1000	12.4		20.0			
o-Xylene	+++++ 1.3209	1.4745 1.3037	1.4480	1.4482	1.3469	Ave		1.3904			0.3000	5.4		20.0			
Styrene	2.1232 2.2226	2.2202 2.2109	2.2626	2.3893	2.2335	Ave		2.2375			0.3000	3.6		20.0			
Bromoform	+++++ 0.4103	0.3011 0.4196	0.3322	0.3627	0.3720	Ave		0.3663			0.1000	12.4		20.0			
Isopropylbenzene	3.8627 3.5639	3.7789 3.5345	3.7687	3.7739	3.6301	Ave		3.7018			0.1000	3.4		20.0			
1,1,2,2-Tetrachloroethane	0.8724 0.9220	0.9061 0.8851	0.8924	0.9469	0.8813	Ave		0.9009			0.3000	2.9		20.0			
Bromobenzene	1.0015 0.8955	0.9929 0.8864	0.9396	0.9878	0.9047	Ave		0.9441				5.3		20.0			
trans-1,4-Dichloro-2-butene	0.2901 0.3438	0.2910 0.3291	0.3048	0.3248	0.3117	Ave		0.3136				6.4		20.0			
N-Propylbenzene	4.5900 4.1604	4.6312 4.0308	4.4790	4.5139	4.2714	Ave		4.3824				5.2		20.0			
1,2,3-Trichloropropane	0.2837 0.2970	0.3126 0.2814	0.2900	0.3119	0.2807	Ave		0.2939				4.7		20.0			
2-Chlorotoluene	0.9426 0.8691	0.9469 0.8803	0.9433	0.9320	0.8802	Ave		0.9135				3.8		20.0			
1,3,5-Trimethylbenzene	3.2984 2.9636	3.3033 2.9202	3.2011	3.1671	2.9941	Ave		3.1211				5.1		20.0			
4-Chlorotoluene	1.0047 0.9227	1.0118 0.9352	0.9818	0.9903	0.9298	Ave		0.9681				3.9		20.0			
tert-Butylbenzene	0.6994 0.6947	0.7300 0.6908	0.7187	0.7199	0.6967	Ave		0.7072				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 3.0304	3.5486 2.9929	3.3235	3.3399	3.0666	Ave		3.2170				6.9		20.0			
sec-Butylbenzene	4.0465 3.8304	4.1846 3.7582	4.0691	4.0105	3.9226	Ave		3.9746				3.7		20.0			
4-Isopropyltoluene	3.5321 3.3372	3.5197 3.2706	3.5407	3.5011	3.4008	Ave		3.4432				3.1		20.0			
1,3-Dichlorobenzene	1.8966 1.7200	1.8693 1.7217	1.8839	1.9189	1.7471	Ave		1.8225			0.6000	4.9		20.0			
1,4-Dichlorobenzene	1.9542 1.7428	1.8984 1.7423	1.8960	1.9369	1.7635	Ave		1.8478			0.5000	5.1		20.0			
n-Butylbenzene	3.0395 2.9144	3.0740 2.9320	3.0476	3.0106	2.9753	Ave		2.9991				2.0		20.0			
1,2-Dichlorobenzene	1.7623 1.6412	1.7403 1.6277	1.7276	1.7965	1.6421	Ave		1.7054			0.4000	4.0		20.0			
1,2-Dibromo-3-Chloropropane	0.1302 0.1825	0.1422 0.1732	0.1330	0.1546	0.1570	Ave		0.1532			0.0500	12.9		20.0			
1,2,4-Trichlorobenzene	0.9385 0.9095	0.9492 0.9018	0.9515	0.9680	0.9113	Ave		0.9328			0.2000	2.7		20.0			
Hexachlorobutadiene	0.4241 0.4023	0.4365 0.3886	0.4251	0.4023	0.4081	Ave		0.4124				4.0		20.0			
Naphthalene	3.2966 3.0816	3.0336 2.8999	2.9256	3.0055	2.8908	Ave		3.0191				4.7		20.0			
1,2,3-Trichlorobenzene	0.9208 0.8555	0.8646 0.8345	0.8910	0.8792	0.8397	Ave		0.8693				3.5		20.0			
Dibromofluoromethane (Surr)	0.9836 1.0220	1.0076 1.0271	1.0438	1.0254	1.0014	Ave		1.0159				1.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.6025 0.6012	0.6154 0.6176	0.6385	0.6182	0.5944	Ave		0.6126				2.4		20.0			
Toluene-d8 (Surr)	2.0438 2.0425	2.0626 2.0719	2.0602	2.0898	1.9952	Ave		2.0523				1.5		20.0			
4-Bromofluorobenzene (Surr)	0.5456 0.5497	0.5527 0.5602	0.5631	0.5771	0.5493	Ave		0.5568				2.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-275773/4	F2488.D
Level 2	IC 480-275773/5	F2489.D
Level 3	IC 480-275773/6	F2490.D
Level 4	IC 480-275773/7	F2491.D
Level 5	ICIS 480-275773/8	F2492.D
Level 6	IC 480-275773/9	F2493.D
Level 7	IC 480-275773/10	F2494.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	18551 656956	36428 1438024	72151	134220	332133	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	14878 530394	29325 1119188	59431	111651	257676	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	12503 471665	24829 1003785	49786	93158	226007	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	12417 479954	26223 1035227	50309	93542	233123	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	8307 293097	16557 635338	32281	63609	144985	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	6613 252088	13649 547240	26411	51836	124466	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	18395 696503	39212 1481303	76249	142789	344945	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	18896 700280	39961 1504360	76603	138389	353736	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	12156 473570	24929 1041114	51491	101942	238157	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	13993 619552	30251 1218388	59840	122940	291591	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	13978 510536	27144 1105375	55429	100547	263247	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	13719 536560	28649 1144637	57782	107976	270809	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Ave	27057 1072005	52997 2000354	91835	208366	477946	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	24592 954051	49712 2010186	101167	202399	469021	2.50 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	44039 1832672	87297 3927835	176724	346318	883762	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	68185 2837225	138350 5362841	281281	569192	1298195	12.5 500	25.0 1000	50.0	100	250
Allyl chloride	FB	Ave	25267 990231	50650 2061298	105419	210047	489891	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Ave	+++++ 597749	42608 1262947	74529	142108	296702	+++++ 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	18114 810083	35169 1469065	65297	140227	355272	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	41198 1708151	84631 3574392	176649	368583	825451	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	15585 579001	31114 1202522	63040	122205	288207	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	63856 2585645	119656 4855522	239459	512683	1158680	25.0 1000	50.0 2000	100	200	500
Hexane	FB	Ave	+++++ 1011251	61904 2174241	114462	211734	516750	+++++ 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	48034 2300225	104789 4675540	222660	480842	1089698	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	28072 1034654	55130 2189623	112569	225363	513717	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	19357 789773	38710 1690016	80052	157921	390427	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	35805 1745600	72553 3257941	153171	326412	766796	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	16291 623454	32614 1312908	67625	135402	308013	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	7189 312125	15379 667196	32481	68812	152349	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	10060 495505	20882 945319	43437	91934	213995	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	24900 960822	50066 2051639	103650	208806	472684	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	19887 822925	41558 1787805	84876	165030	410233	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	26440 1026412	54168 2189445	108232	199848	511476	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	20377 798916	40110 1708348	83306	160225	394276	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	17023 735197	35140 1597323	71482	140437	363443	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	15769 904716	34060 1686084	68109	149205	388290	62.5 2500	125 5000	250	500	1250

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	61604 2275552	122655 4798458	247592	496987	1126661	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	19563 757662	39605 1610642	80811	169636	369588	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	+++++ 1063227	58685 2300026	112600	212475	528804	+++++ 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	15179 586707	29874 1252448	60324	122922	286593	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	25403 1016516	50218 2213874	106349	200252	508800	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	14146 564723	28481 1218159	58104	122851	276764	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Lin1	993 121989	3056 240407	8440	23700	54783	50.0 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	8073 333662	16331 717723	33853	71786	159072	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	15522 717073	32342 1581768	68465	146731	341584	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	6473 316177	12932 680057	27665	62772	143837	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	18593 908941	39358 1995817	87001	191140	432824	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	72400 3309303	154875 6267874	311203	676076	1514424	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	+++++ 1430411	76815 3081041	154945	314713	708712	+++++ 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	+++++ 744814	30331 1566523	67049	151235	344282	+++++ 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	17078 804335	34380 1762024	76666	171062	384716	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	10076 409573	20215 868102	41402	88070	194974	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	+++++ 581004	31177 1242427	61817	122241	290866	+++++ 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	20758 828153	41942 1752138	87169	187108	402212	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	49063 2481468	105274 4655687	217662	485988	1096743	12.5 500	25.0 1000	50.0	100	250
Dibromochloromethane	CBZ	Ave	10792 569238	22074 1263304	49431	113562	264748	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	12249 518332	23756 1122720	50138	110866	245484	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	42431 1557602	80313 3312968	167677	349049	763767	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	+++++ 2586914	140736 5409882	282099	570468	1291703	+++++ 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 534155	23922 1150720	52830	112903	257982	+++++ 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	+++++ 1062044	67879 2260523	121967	240683	528081	+++++ 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	+++++ 1008186	53266 2134126	109089	222750	499650	+++++ 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	38681 1696446	80207 3619185	170464	367499	828519	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	+++++ 313181	10876 686826	25026	55780	137998	+++++ 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	64037 2522519	124234 5318870	261082	535169	1254869	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	14463 652609	29789 1331894	61825	134280	304673	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	16603 633842	32643 1333862	65095	140076	312758	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	4810 243306	9568 495231	21117	46053	107764	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	76094 2944747	152251 6065785	310292	640096	1476581	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	4704 210181	10276 423457	20092	44230	97048	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	15627 615123	31128 1324661	65347	132158	304282	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	54682 2097631	108596 4394506	221766	449110	1035029	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	16657 653052	33264 1407328	68018	140434	321428	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	11595 491696	23999 1039607	49787	102082	240831	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 2144944	116662 4503835	230243	473619	1060091	+++++ 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	67084 2711145	137571 5655525	281897	568709	1356003	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	58556 2362056	115711 4921781	245291	496483	1175624	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	31443 1217441	61455 2590896	130514	272116	603946	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 275773

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 11/19/2015 03:55 Calibration End Date: 11/19/2015 06:30 Calibration ID: 25641

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	32397 1233558	62412 2621949	131353	274671	609631	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	50390 2062786	101059 4412288	211129	426923	1028521	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	29216 1161603	57214 2449542	119685	254749	567652	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	2158 129158	4674 260583	9214	21921	54286	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	15558 643711	31206 1357039	65915	137271	315040	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	7031 284735	14351 584857	29451	57053	141066	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	54652 2181164	99732 4363922	202680	426194	999334	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	15266 605549	28423 1255884	61724	124670	290267	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	182764 195734	186677 211009	196486	197581	186635	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	111948 115128	114015 126895	120193	119126	110788	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	744687 779485	745113 847913	776064	803565	740136	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	198813 209768	199682 229275	212133	221905	203781	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2488.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Nov-2015 03:55:30 ALS Bottle#: 7 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0048486-004
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:48 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:14:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	185808	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	364371	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	331566	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	93	182764	50.0	48.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	111948	50.0	49.2	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	744687	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	88	198813	50.0	49.0	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	98	18551	2.50	2.72	
12 Chloromethane	50	2.048	2.066	-0.018	99	14878	2.50	2.71	
13 Vinyl chloride	62	2.164	2.182	-0.018	62	12503	2.50	2.65	
151 Butadiene	54	2.170	2.188	-0.018	93	12417	2.50	2.58	
14 Bromomethane	94	2.444	2.462	-0.018	91	8307	2.50	2.70	
15 Chloroethane	64	2.529	2.535	-0.006	96	6613	2.50	2.59	
16 Dichlorofluoromethane	67	2.687	2.699	-0.012	96	18395	2.50	2.58	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	98	18896	2.50	2.62	
18 Ethyl ether	59	2.912	2.918	-0.006	94	12156	2.50	2.51	
20 Acrolein	56	3.076	3.076	0.000	99	13993	12.5	12.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	93	13978	2.50	2.68	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	13719	2.50	2.53	
23 Acetone	43	3.186	3.186	0.000	98	27057	12.5	13.6	
25 Iodomethane	142	3.283	3.289	-0.006	99	24592	2.50	2.56	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	44039	2.50	2.52	
27 Methyl acetate	43	3.405	3.405	0.000	97	68185	12.5	12.7	
28 3-Chloro-1-propene	41	3.399	3.405	-0.006	67	25267	2.50	2.55	
30 Methylene Chloride	84	3.508	3.514	-0.006	95	24493	2.50	3.66	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	94	18114	25.0	25.8	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	97	41198	2.50	2.45	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	15585	2.50	2.64	
33 Acrylonitrile	53	3.721	3.715	0.006	100	63856	25.0	26.6	
35 Hexane	57	3.831	3.837	-0.006	95	36289	2.50	3.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	48034	5.00	4.47	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	95	28072	2.50	2.64	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	63	19357	2.50	2.50	
43 2-Butanone (MEK)	43	4.488	4.476	0.012	96	35805	12.5	11.7	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	81	16291	2.50	2.57	
48 Chlorobromomethane	128	4.682	4.688	-0.006	94	7189	2.50	2.33	
49 Tetrahydrofuran	42	4.713	4.713	0.000	52	10060	5.00	4.65	
50 Chloroform	83	4.725	4.725	0.000	95	24900	2.50	2.55	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	48	19887	2.50	2.45	
52 Cyclohexane	56	4.895	4.889	0.006	90	26440	2.50	2.58	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	96	20377	2.50	2.57	
55 Carbon tetrachloride	117	4.987	4.993	-0.006	95	17023	2.50	2.42	
53 Isobutyl alcohol	43	5.060	5.047	0.013	93	15769	62.5	53.9	
57 Benzene	78	5.169	5.169	0.000	93	61604	2.50	2.63	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	95	19563	2.50	2.54	
59 n-Heptane	43	5.254	5.260	-0.006	94	30483	2.50	2.84	
62 Trichloroethene	95	5.686	5.686	0.000	96	15179	2.50	2.59	
64 Methylcyclohexane	83	5.826	5.820	0.006	90	25403	2.50	2.53	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	93	14146	2.50	2.50	
66 1,4-Dioxane	88	6.027	6.021	0.006	0	993	50.0	53.3	M
67 Dibromomethane	93	6.039	6.039	0.000	93	8073	2.50	2.46	
68 Dichlorobromomethane	83	6.149	6.148	0.001	98	15522	2.50	2.29	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	6473	2.50	2.27	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	92	18593	2.50	2.18	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	72400	12.5	12.0	
74 Toluene	92	6.818	6.818	0.000	99	40895	2.50	2.83	
75 Ethyl methacrylate	69	7.043	7.043	0.000	74	13834	2.50	2.04	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	95	17078	2.50	2.28	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	91	10076	2.50	2.53	
81 Tetrachloroethene	166	7.341	7.341	0.000	94	17767	2.50	3.06	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	97	20758	2.50	2.52	
80 2-Hexanone	43	7.426	7.420	0.006	95	49063	12.5	11.4	
83 Chlorodibromomethane	129	7.651	7.645	0.006	89	10792	2.50	2.15	
84 Ethylene Dibromide	107	7.773	7.773	0.000	96	12249	2.50	2.48	
87 Chlorobenzene	112	8.229	8.223	0.006	96	42431	2.50	2.69	
88 Ethylbenzene	91	8.290	8.290	0.000	98	77870	2.50	2.98	
89 1,1,1,2-Tetrachloroethane	131	8.296	8.302	-0.006	90	11089	2.50	2.18	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	43306	2.50	3.85	
91 o-Xylene	106	8.837	8.837	0.000	95	29562	2.50	2.92	
92 Styrene	104	8.856	8.856	0.000	95	38681	2.50	2.37	
95 Bromoform	173	9.129	9.136	-0.007	86	5226	2.50	1.96	
94 Isopropylbenzene	105	9.209	9.202	0.007	95	64037	2.50	2.61	
97 1,1,2,2-Tetrachloroethane	83	9.586	9.580	0.006	95	14463	2.50	2.42	
101 Bromobenzene	156	9.592	9.592	0.000	91	16603	2.50	2.65	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	58	4810	2.50	2.31	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	76094	2.50	2.62	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	82	4704	2.50	2.41	
103 2-Chlorotoluene	126	9.762	9.756	0.006	97	15627	2.50	2.58	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	54682	2.50	2.64	
105 4-Chlorotoluene	126	9.860	9.859	0.001	97	16657	2.50	2.59	
106 tert-Butylbenzene	134	10.109	10.115	-0.006	93	11595	2.50	2.47	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	65196	2.50	3.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	67084	2.50	2.55	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	58556	2.50	2.56	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	96	31443	2.50	2.60	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	94	32397	2.50	2.64	
115 n-Butylbenzene	91	10.821	10.815	0.006	98	50390	2.50	2.53	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	29216	2.50	2.58	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.587	-0.006	70	2158	2.50	2.12	
119 1,2,4-Trichlorobenzene	180	12.220	12.226	-0.006	95	15558	2.50	2.52	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	89	7031	2.50	2.57	
121 Naphthalene	128	12.451	12.451	0.000	96	54652	2.50	2.73	
122 1,2,3-Trichlorobenzene	180	12.664	12.658	0.006	95	15266	2.50	2.65	
S 125 1,2-Dichloroethene, Total	1				0			5.20	
S 126 1,3-Dichloropropene, Total	1				0			4.47	
S 123 Total BTEX	1				0			15.2	
S 124 Xylenes, Total	1				0			6.77	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added:	2.50	Units: uL	
GAS CORP mix_00121	Amount Added:	2.50	Units: uL	
F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added:	1.00	Units: uL	Run Reagent

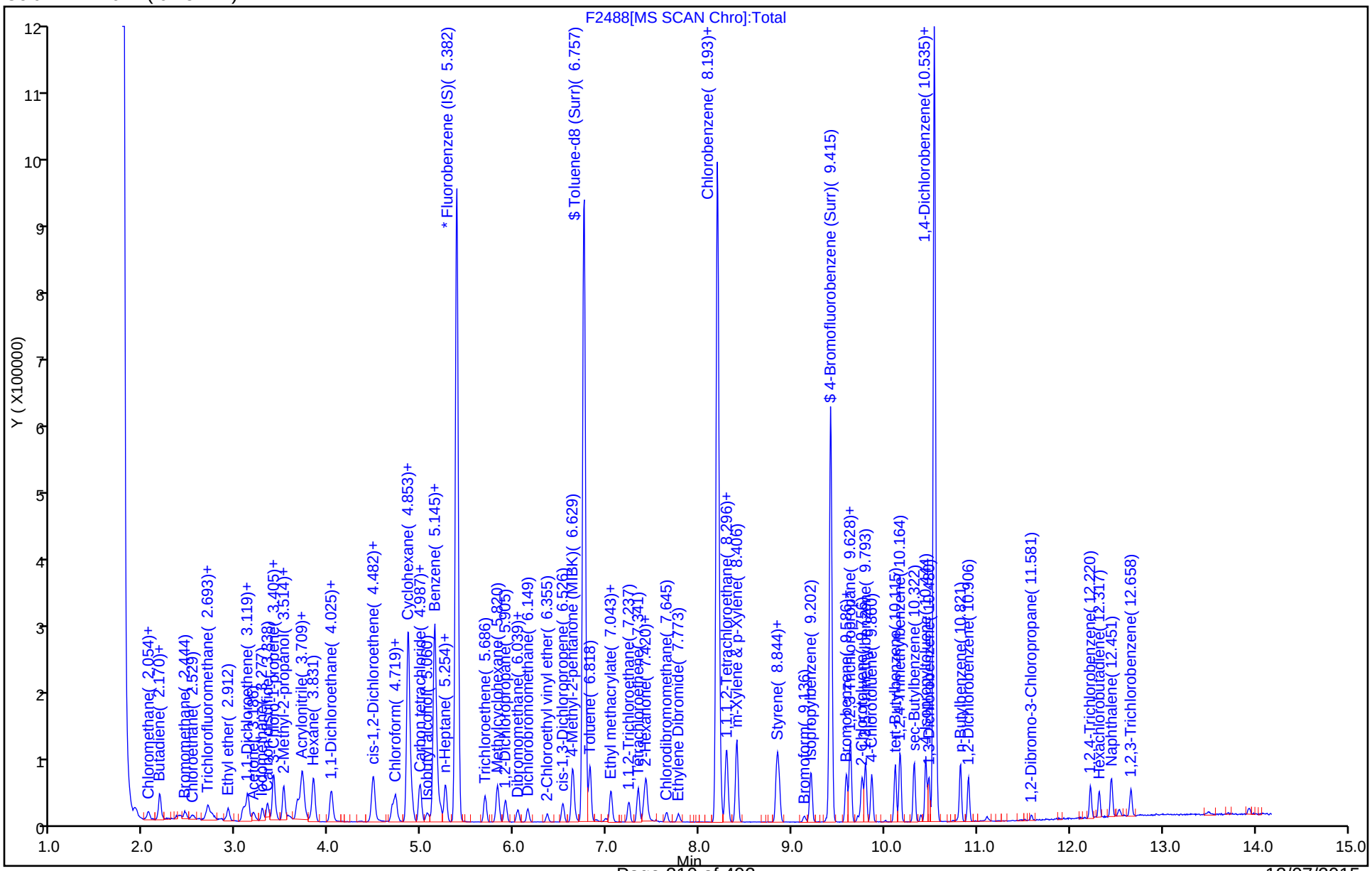
Report Date: 19-Nov-2015 13:22:50 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2488.D

Injection Date:	19-Nov-2015 03:55:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

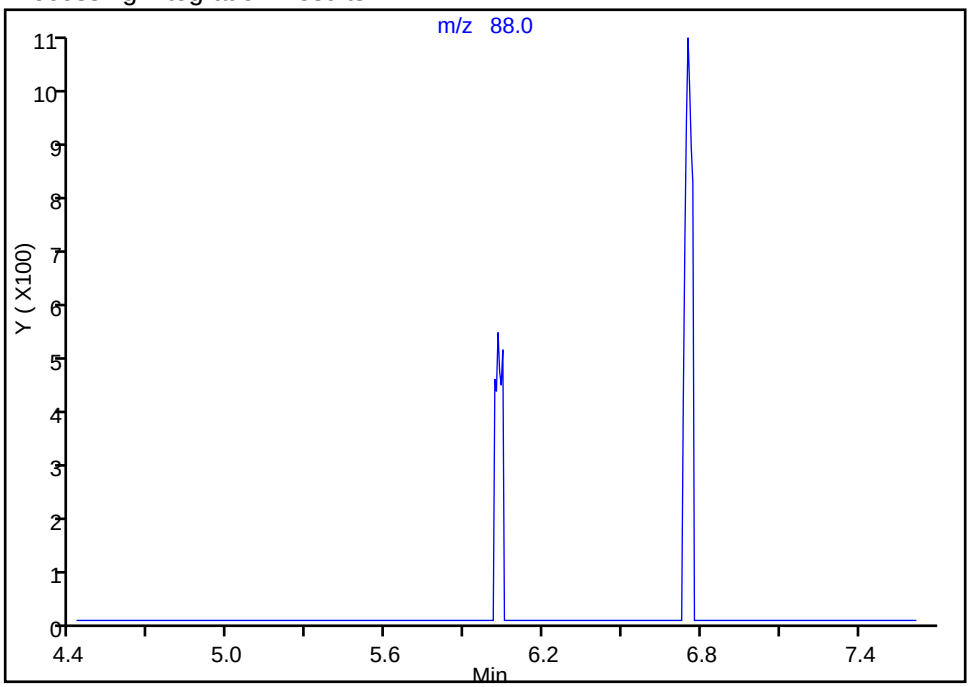
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2488.D
Injection Date: 19-Nov-2015 03:55:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

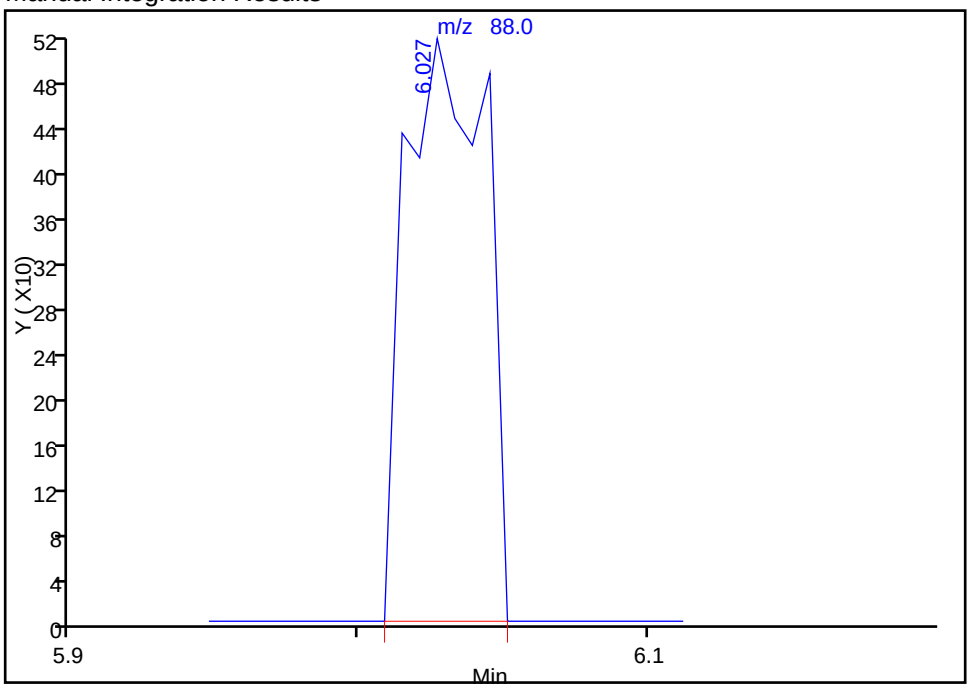
Not Detected
Expected RT: 6.02

Processing Integration Results



Manual Integration Results

RT: 6.03
Area: 993
Amount: 53.264409
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:30:45
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2489.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Nov-2015 04:21:30 ALS Bottle#: 8 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0048486-005
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:51 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:15:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	185260	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.199	8.193	0.006	85	361253	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.541	10.535	0.006	95	328753	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	93	186677	50.0	49.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.145	0.000	0	114015	50.0	50.2	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	745113	50.0	50.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	88	199682	50.0	49.6	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	99	36428	5.00	5.35	
12 Chloromethane	50	2.060	2.066	-0.006	99	29325	5.00	5.36	
13 Vinyl chloride	62	2.170	2.182	-0.012	97	24829	5.00	5.28	
151 Butadiene	54	2.176	2.188	-0.012	92	26223	5.00	5.46	
14 Bromomethane	94	2.456	2.462	-0.006	93	16557	5.00	5.41	
15 Chloroethane	64	2.535	2.535	0.000	96	13649	5.00	5.36	
16 Dichlorofluoromethane	67	2.693	2.699	-0.006	98	39212	5.00	5.51	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	99	39961	5.00	5.56	
18 Ethyl ether	59	2.918	2.918	0.000	95	24929	5.00	5.16	
20 Acrolein	56	3.070	3.076	-0.006	98	30251	25.0	26.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	94	27144	5.00	5.21	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	28649	5.00	5.30	
23 Acetone	43	3.186	3.186	0.000	99	52997	25.0	26.8	
25 Iodomethane	142	3.283	3.289	-0.006	98	49712	5.00	5.19	
26 Carbon disulfide	76	3.344	3.344	0.000	99	87297	5.00	5.01	
27 Methyl acetate	43	3.405	3.405	0.000	98	138350	25.0	25.8	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	66	50650	5.00	5.12	
30 Methylene Chloride	84	3.514	3.514	0.000	96	42608	5.00	6.38	
31 2-Methyl-2-propanol	59	3.575	3.569	0.006	94	35169	50.0	50.3	
32 Methyl tert-butyl ether	73	3.667	3.666	0.001	96	84631	5.00	5.04	
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	99	31114	5.00	5.28	
33 Acrylonitrile	53	3.721	3.715	0.006	98	119656	50.0	50.0	
35 Hexane	57	3.837	3.837	0.000	93	61904	5.00	5.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	104789	10.0	9.77	
39 1,1-Dichloroethane	63	4.032	4.031	0.001	96	55130	5.00	5.20	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	66	38710	5.00	5.02	
43 2-Butanone (MEK)	43	4.482	4.476	0.006	99	72553	25.0	23.9	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	32614	5.00	5.16	
48 Chlorobromomethane	128	4.689	4.688	0.001	96	15379	5.00	5.01	
49 Tetrahydrofuran	42	4.719	4.713	0.006	57	20882	10.0	9.68	
50 Chloroform	83	4.719	4.725	-0.006	95	50066	5.00	5.14	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	49	41558	5.00	5.13	
52 Cyclohexane	56	4.889	4.889	0.000	92	54168	5.00	5.30	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	94	40110	5.00	5.08	
55 Carbon tetrachloride	117	4.993	4.993	0.000	94	35140	5.00	5.01	
53 Isobutyl alcohol	43	5.060	5.047	0.013	94	34060	125.0	116.8	M
57 Benzene	78	5.169	5.169	0.000	96	122655	5.00	5.25	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	95	39605	5.00	5.16	
59 n-Heptane	43	5.260	5.260	0.000	96	58685	5.00	5.48	
62 Trichloroethene	95	5.686	5.686	0.000	97	29874	5.00	5.11	
64 Methylcyclohexane	83	5.820	5.820	0.000	94	50218	5.00	5.01	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	94	28481	5.00	5.06	
66 1,4-Dioxane	88	6.021	6.021	0.000	32	3056	100.0	90.7	
67 Dibromomethane	93	6.039	6.039	0.000	97	16331	5.00	4.99	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	32342	5.00	4.79	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	12932	5.00	4.55	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	94	39358	5.00	4.64	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	154875	25.0	25.8	
74 Toluene	92	6.824	6.818	0.006	98	76815	5.00	5.36	
75 Ethyl methacrylate	69	7.043	7.043	0.000	75	30331	5.00	4.52	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	92	34380	5.00	4.64	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	90	20215	5.00	5.12	
81 Tetrachloroethene	166	7.341	7.341	0.000	95	31177	5.00	5.41	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	41942	5.00	5.13	
80 2-Hexanone	43	7.420	7.420	0.000	98	105274	25.0	24.6	
83 Chlorodibromomethane	129	7.645	7.645	0.000	88	22074	5.00	4.43	
84 Ethylene Dibromide	107	7.779	7.773	0.006	99	23756	5.00	4.85	
87 Chlorobenzene	112	8.229	8.223	0.006	97	80313	5.00	5.13	
88 Ethylbenzene	91	8.290	8.290	0.000	98	140736	5.00	5.43	
89 1,1,1,2-Tetrachloroethane	131	8.308	8.302	0.006	95	23922	5.00	4.73	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	67879	5.00	6.09	
91 o-Xylene	106	8.838	8.837	0.001	96	53266	5.00	5.30	
92 Styrene	104	8.862	8.856	0.006	96	80207	5.00	4.96	
95 Bromoform	173	9.136	9.136	0.000	95	10876	5.00	4.11	
94 Isopropylbenzene	105	9.203	9.202	0.001	95	124234	5.00	5.10	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	94	29789	5.00	5.03	
101 Bromobenzene	156	9.592	9.592	0.000	92	32643	5.00	5.26	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.628	-0.006	60	9568	5.00	4.64	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	152251	5.00	5.28	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	85	10276	5.00	5.32	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	31128	5.00	5.18	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	108596	5.00	5.29	
105 4-Chlorotoluene	126	9.860	9.859	0.001	97	33264	5.00	5.23	
106 tert-Butylbenzene	134	10.109	10.115	-0.006	92	23999	5.00	5.16	
107 1,2,4-Trimethylbenzene	105	10.170	10.164	0.006	96	116662	5.00	5.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	137571	5.00	5.26	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	115711	5.00	5.11	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	61455	5.00	5.13	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	62412	5.00	5.14	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	101059	5.00	5.12	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	57214	5.00	5.10	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	82	4674	5.00	4.64	
119 1,2,4-Trichlorobenzene	180	12.220	12.226	-0.006	94	31206	5.00	5.09	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	93	14351	5.00	5.29	
121 Naphthalene	128	12.445	12.451	-0.006	97	99732	5.00	5.02	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	28423	5.00	4.97	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.27	
S 123 Total BTEX	1				0			27.4	
S 124 Xylenes, Total	1				0			11.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added:	5.00	Units: uL	
GAS CORP mix_00121	Amount Added:	5.00	Units: uL	
F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added:	1.00	Units: uL	Run Reagent

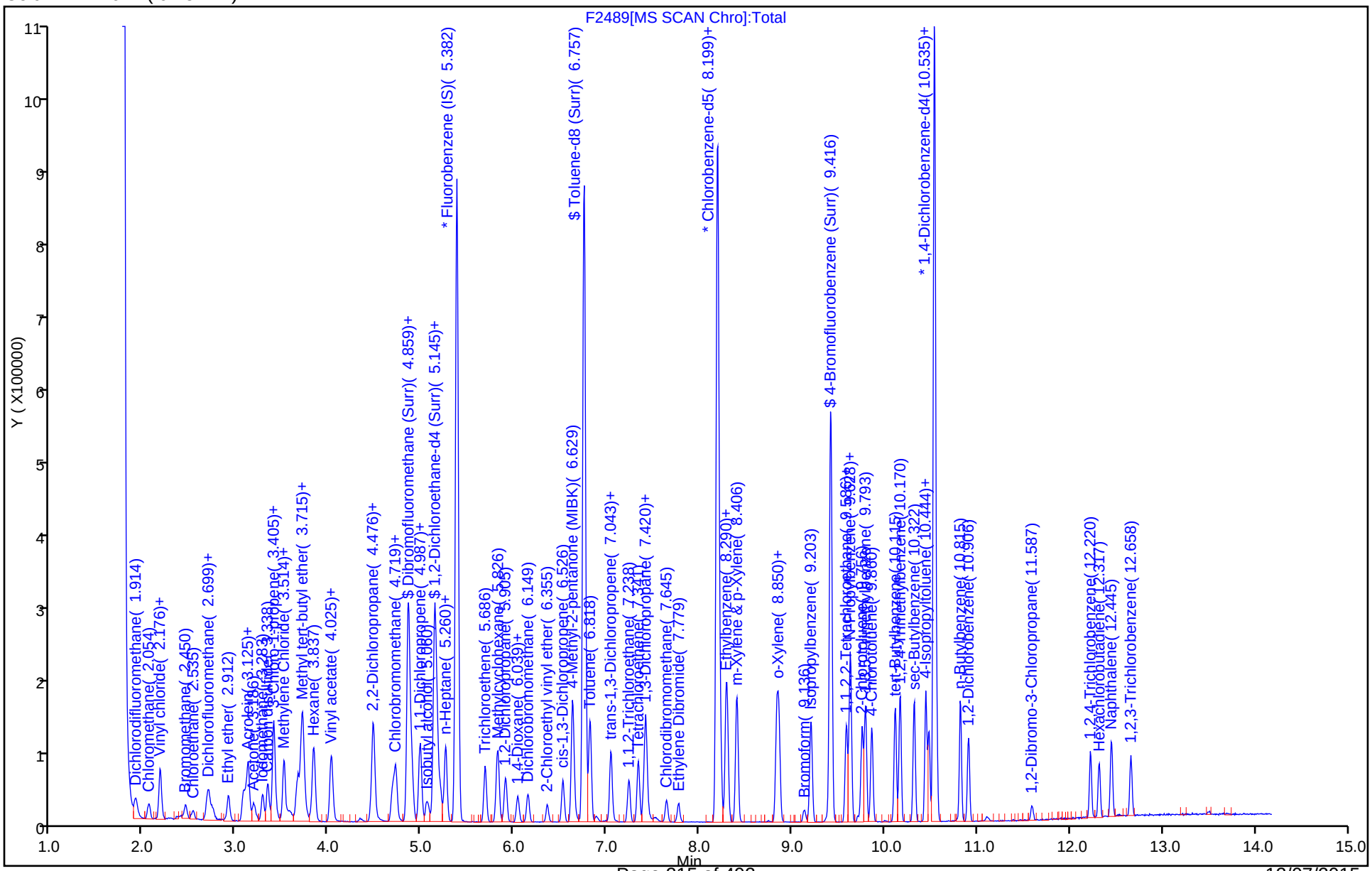
Report Date: 19-Nov-2015 13:22:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2489.D

Injection Date:	19-Nov-2015 04:21:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



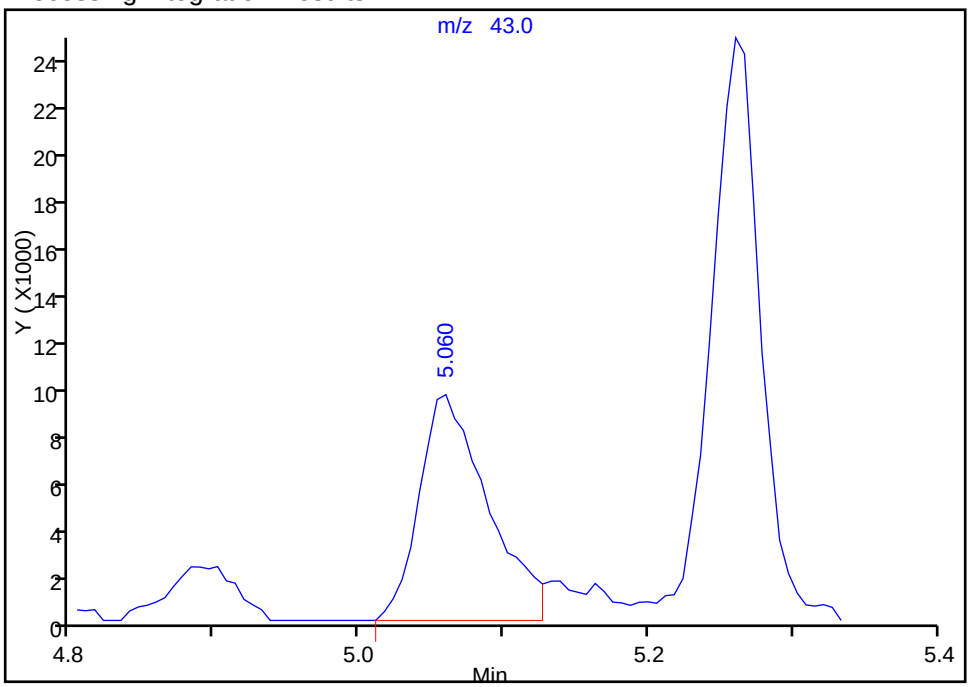
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2489.D
Injection Date: 19-Nov-2015 04:21:30 Instrument ID: HP5973F
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

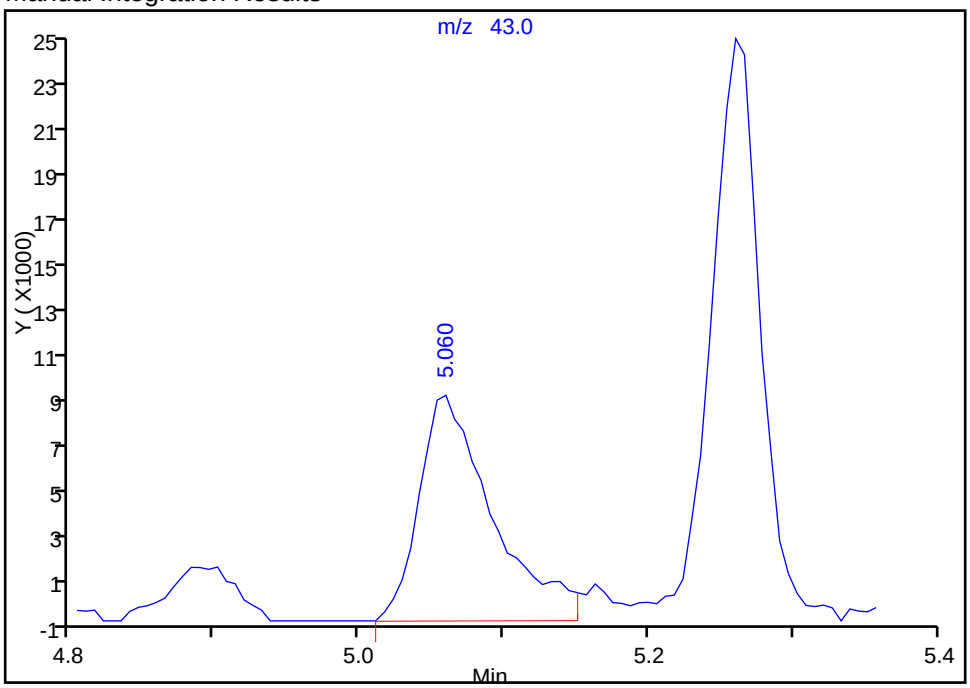
Processing Integration Results

RT: 5.06
Area: 31915
Amount: 110.7953
Amount Units: ug/kg



Manual Integration Results

RT: 5.06
Area: 34060
Amount: 116.7583
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:32:29
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2490.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Nov-2015 04:47:30 ALS Bottle#: 9 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0048486-006
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:55 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:25:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	188233	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.199	8.193	0.006	85	376698	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	346386	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	93	196486	50.0	51.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	120193	50.0	52.1	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	776064	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	212133	50.0	50.6	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	100	72151	10.0	10.4	
12 Chloromethane	50	2.054	2.066	-0.012	99	59431	10.0	10.7	
13 Vinyl chloride	62	2.170	2.182	-0.012	96	49786	10.0	10.4	
151 Butadiene	54	2.176	2.188	-0.012	94	50309	10.0	10.3	
14 Bromomethane	94	2.456	2.462	-0.006	92	32281	10.0	10.4	
15 Chloroethane	64	2.529	2.535	-0.006	99	26411	10.0	10.2	
16 Dichlorofluoromethane	67	2.687	2.699	-0.012	99	76249	10.0	10.5	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	99	76603	10.0	10.5	
18 Ethyl ether	59	2.912	2.918	-0.006	93	51491	10.0	10.5	
20 Acrolein	56	3.070	3.076	-0.006	99	59840	50.0	50.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	93	55429	10.0	10.5	
22 1,1-Dichloroethene	96	3.125	3.131	-0.006	98	57782	10.0	10.5	
23 Acetone	43	3.186	3.186	0.000	100	91835	50.0	45.6	
25 Iodomethane	142	3.277	3.289	-0.012	99	101167	10.0	10.4	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	176724	10.0	9.97	
27 Methyl acetate	43	3.399	3.405	-0.006	98	281281	50.0	51.7	
28 3-Chloro-1-propene	41	3.399	3.405	-0.006	65	105419	10.0	10.5	
30 Methylene Chloride	84	3.508	3.514	-0.006	95	74529	10.0	11.0	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	99	65297	100.0	91.9	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	96	176649	10.0	10.4	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	63040	10.0	10.5	
33 Acrylonitrile	53	3.715	3.715	0.000	99	239459	100.0	98.5	
35 Hexane	57	3.837	3.837	0.000	95	114462	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.019	-0.006	97	222660	20.0	20.4	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	96	112569	10.0	10.4	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	92	80052	10.0	10.2	
43 2-Butanone (MEK)	43	4.476	4.476	0.000	100	153171	50.0	49.6	
45 cis-1,2-Dichloroethene	96	4.476	4.482	-0.006	81	67625	10.0	10.5	
48 Chlorobromomethane	128	4.688	4.688	0.000	92	32481	10.0	10.4	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	63	43437	20.0	19.8	
50 Chloroform	83	4.719	4.725	-0.006	95	103650	10.0	10.5	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	97	84876	10.0	10.3	
52 Cyclohexane	56	4.889	4.889	0.000	92	108232	10.0	10.4	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	95	83306	10.0	10.4	
55 Carbon tetrachloride	117	4.987	4.993	-0.006	95	71482	10.0	10.0	
53 Isobutyl alcohol	43	5.053	5.047	0.006	94	68109	250.0	229.8	
57 Benzene	78	5.169	5.169	0.000	97	247592	10.0	10.4	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	96	80811	10.0	10.4	
59 n-Heptane	43	5.260	5.260	0.000	95	112600	10.0	10.4	
62 Trichloroethene	95	5.686	5.686	0.000	97	60324	10.0	10.2	
64 Methylcyclohexane	83	5.826	5.820	0.006	91	106349	10.0	10.4	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	93	58104	10.0	10.2	
66 1,4-Dioxane	88	6.027	6.021	0.006	90	8440	200.0	181.6	
67 Dibromomethane	93	6.039	6.039	0.000	96	33853	10.0	10.2	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	68465	10.0	9.97	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	93	27665	10.0	9.58	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	94	87001	10.0	10.1	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	311203	50.0	49.8	
74 Toluene	92	6.818	6.818	0.000	98	154945	10.0	10.4	
75 Ethyl methacrylate	69	7.043	7.043	0.000	87	67049	10.0	9.58	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	76666	10.0	9.91	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	91	41402	10.0	10.1	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	61817	10.0	10.3	
82 1,3-Dichloropropane	76	7.408	7.402	0.006	97	87169	10.0	10.2	
80 2-Hexanone	43	7.420	7.420	0.000	97	217662	50.0	48.8	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	49431	10.0	9.51	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	50138	10.0	9.82	
87 Chlorobenzene	112	8.229	8.223	0.006	96	167677	10.0	10.3	
88 Ethylbenzene	91	8.290	8.290	0.000	98	282099	10.0	10.4	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	94	52830	10.0	10.0	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	121967	10.0	10.5	
91 o-Xylene	106	8.837	8.837	0.000	95	109089	10.0	10.4	
92 Styrene	104	8.862	8.856	0.006	95	170464	10.0	10.1	
95 Bromoform	173	9.136	9.136	0.000	95	25026	10.0	9.07	
94 Isopropylbenzene	105	9.202	9.202	0.000	96	261082	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	9.586	9.580	0.006	96	61825	10.0	9.91	
101 Bromobenzene	156	9.592	9.592	0.000	93	65095	10.0	9.95	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	64	21117	10.0	9.72	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	310292	10.0	10.2	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	87	20092	10.0	9.87	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	65347	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	221766	10.0	10.3	
105 4-Chlorotoluene	126	9.859	9.859	0.000	97	68018	10.0	10.1	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	49787	10.0	10.2	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	230243	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	281897	10.0	10.2	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	245291	10.0	10.3	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	130514	10.0	10.3	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	131353	10.0	10.3	
115 n-Butylbenzene	91	10.821	10.815	0.006	98	211129	10.0	10.2	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	119685	10.0	10.1	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.587	-0.006	86	9214	10.0	8.68	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	65915	10.0	10.2	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	29451	10.0	10.3	
121 Naphthalene	128	12.451	12.451	0.000	97	202680	10.0	9.69	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	61724	10.0	10.2	
S 125 1,2-Dichloroethene, Total	1				0			21.1	
S 126 1,3-Dichloropropene, Total	1				0			20.0	
S 123 Total BTEX	1				0			52.2	
S 124 Xylenes, Total	1				0			20.9	

Reagents:

8260 CORP mix_00059	Amount Added: 10.00	Units: uL	
GAS CORP mix_00121	Amount Added: 10.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent

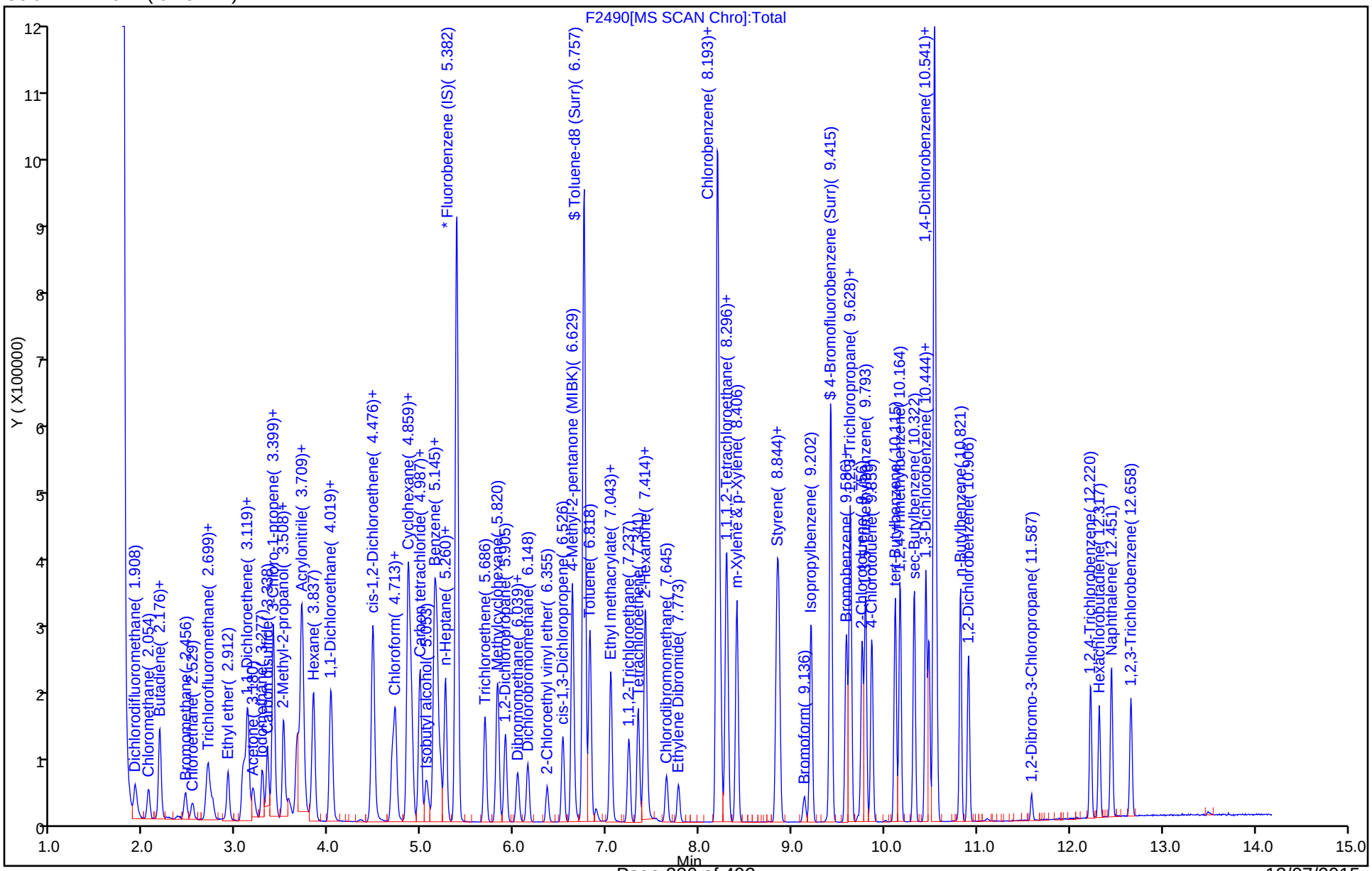
Report Date: 19-Nov-2015 13:22:56 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2490.D

Injection Date:	19-Nov-2015 04:47:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2491.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Nov-2015 05:13:30 ALS Bottle#: 10 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0048486-007
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:22:59 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:35:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.382	-0.006	99	192696	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.192	8.193	-0.001	89	384518	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	354516	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	92	197581	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	119126	50.0	50.5	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	803565	50.0	50.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	221905	50.0	51.8	
10 Dichlorodifluoromethane	85	1.908	1.920	-0.012	99	134220	20.0	18.9	
12 Chloromethane	50	2.054	2.066	-0.012	99	111651	20.0	19.6	
13 Vinyl chloride	62	2.176	2.182	-0.006	98	93158	20.0	19.0	
151 Butadiene	54	2.176	2.188	-0.012	93	93542	20.0	18.7	
14 Bromomethane	94	2.456	2.462	-0.006	90	63609	20.0	20.0	
15 Chloroethane	64	2.529	2.535	-0.006	99	51836	20.0	19.6	
16 Dichlorofluoromethane	67	2.693	2.699	-0.006	97	142789	20.0	19.3	
17 Trichlorofluoromethane	101	2.705	2.717	-0.012	98	138389	20.0	18.5	
18 Ethyl ether	59	2.912	2.918	-0.006	93	101942	20.0	20.3	
20 Acrolein	56	3.070	3.076	-0.006	98	122940	100.0	101.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.107	-0.006	93	100547	20.0	18.6	
22 1,1-Dichloroethene	96	3.125	3.131	-0.006	99	107976	20.0	19.2	
23 Acetone	43	3.180	3.186	-0.006	99	208366	100.0	101.1	
25 Iodomethane	142	3.283	3.289	-0.006	99	202399	20.0	20.3	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	346318	20.0	19.1	
27 Methyl acetate	43	3.399	3.405	-0.006	98	569192	100.0	102.2	
28 3-Chloro-1-propene	41	3.399	3.405	-0.006	95	210047	20.0	20.4	
30 Methylene Chloride	84	3.508	3.514	-0.006	95	142108	20.0	20.5	
31 2-Methyl-2-propanol	59	3.563	3.569	-0.006	100	140227	200.0	192.8	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	96	368583	20.0	21.1	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	122205	20.0	19.9	
33 Acrylonitrile	53	3.715	3.715	0.000	99	512683	200.0	205.9	
35 Hexane	57	3.831	3.837	-0.006	94	211734	20.0	19.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.019	-0.006	97	480842	40.0	43.1	
39 1,1-Dichloroethane	63	4.025	4.031	-0.006	97	225363	20.0	20.4	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	90	157921	20.0	19.7	
43 2-Butanone (MEK)	43	4.469	4.476	-0.007	99	326412	100.0	103.3	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	135402	20.0	20.6	
48 Chlorobromomethane	128	4.682	4.688	-0.006	96	68812	20.0	21.5	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	92	91934	40.0	41.0	
50 Chloroform	83	4.719	4.725	-0.006	95	208806	20.0	20.6	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	97	165030	20.0	19.6	
52 Cyclohexane	56	4.889	4.889	0.000	92	199848	20.0	18.8	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	95	160225	20.0	19.5	
55 Carbon tetrachloride	117	4.993	4.993	0.000	97	140437	20.0	19.2	
53 Isobutyl alcohol	43	5.047	5.047	0.000	95	149205	500.0	491.7	M
57 Benzene	78	5.163	5.169	-0.006	97	496987	20.0	20.5	
58 1,2-Dichloroethane	62	5.199	5.206	-0.007	96	169636	20.0	21.2	
59 n-Heptane	43	5.260	5.260	0.000	95	212475	20.0	19.1	
62 Trichloroethene	95	5.686	5.686	0.000	97	122922	20.0	20.2	
64 Methylcyclohexane	83	5.820	5.820	0.000	90	200252	20.0	19.2	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	94	122851	20.0	21.0	
66 1,4-Dioxane	88	6.021	6.021	0.000	28	23700	400.0	437.5	
67 Dibromomethane	93	6.033	6.039	-0.006	97	71786	20.0	21.1	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	146731	20.0	20.9	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	93	62772	20.0	21.2	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	191140	20.0	21.6	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	676076	100.0	106.0	
74 Toluene	92	6.818	6.818	0.000	98	314713	20.0	20.6	
75 Ethyl methacrylate	69	7.043	7.043	0.000	78	151235	20.0	21.2	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	171062	20.0	21.7	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	92	88070	20.0	20.9	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	122241	20.0	19.9	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	98	187108	20.0	21.5	
80 2-Hexanone	43	7.420	7.420	0.000	97	485988	100.0	106.8	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	113562	20.0	21.4	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	110866	20.0	21.3	
87 Chlorobenzene	112	8.223	8.223	0.000	96	349049	20.0	20.9	
88 Ethylbenzene	91	8.290	8.290	0.000	98	570468	20.0	20.7	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	95	112903	20.0	21.0	
90 m-Xylene & p-Xylene	106	8.405	8.405	0.000	99	240683	20.0	20.3	
91 o-Xylene	106	8.837	8.837	0.000	96	222750	20.0	20.8	
92 Styrene	104	8.856	8.856	0.000	95	367499	20.0	21.4	
95 Bromoform	173	9.129	9.136	-0.007	96	55780	20.0	19.8	
94 Isopropylbenzene	105	9.202	9.202	0.000	95	535169	20.0	20.4	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	95	134280	20.0	21.0	
101 Bromobenzene	156	9.586	9.592	-0.006	93	140076	20.0	20.9	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.628	-0.006	60	46053	20.0	20.7	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	640096	20.0	20.6	
100 1,2,3-Trichloropropane	110	9.640	9.634	0.006	83	44230	20.0	21.2	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	132158	20.0	20.4	
102 1,3,5-Trimethylbenzene	105	9.792	9.793	-0.001	94	449110	20.0	20.3	
105 4-Chlorotoluene	126	9.865	9.859	0.006	97	140434	20.0	20.5	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	102082	20.0	20.4	
107 1,2,4-Trimethylbenzene	105	10.170	10.164	0.006	96	473619	20.0	20.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	568709	20.0	20.2	
110 4-Isopropyltoluene	119	10.443	10.443	0.000	97	496483	20.0	20.3	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	272116	20.0	21.1	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	274671	20.0	21.0	
115 n-Butylbenzene	91	10.821	10.815	0.006	97	426923	20.0	20.1	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	254749	20.0	21.1	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	84	21921	20.0	20.2	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	137271	20.0	20.8	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	57053	20.0	19.5	
121 Naphthalene	128	12.451	12.451	0.000	97	426194	20.0	19.9	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	124670	20.0	20.2	
S 125 1,2-Dichloroethene, Total	1				0			40.5	
S 126 1,3-Dichloropropene, Total	1				0			43.3	
S 123 Total BTEX	1				0			102.9	
S 124 Xylenes, Total	1				0			41.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added: 10.00	Units: uL		
GAS CORP mix_00121	Amount Added: 10.00	Units: uL		
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent	
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent	

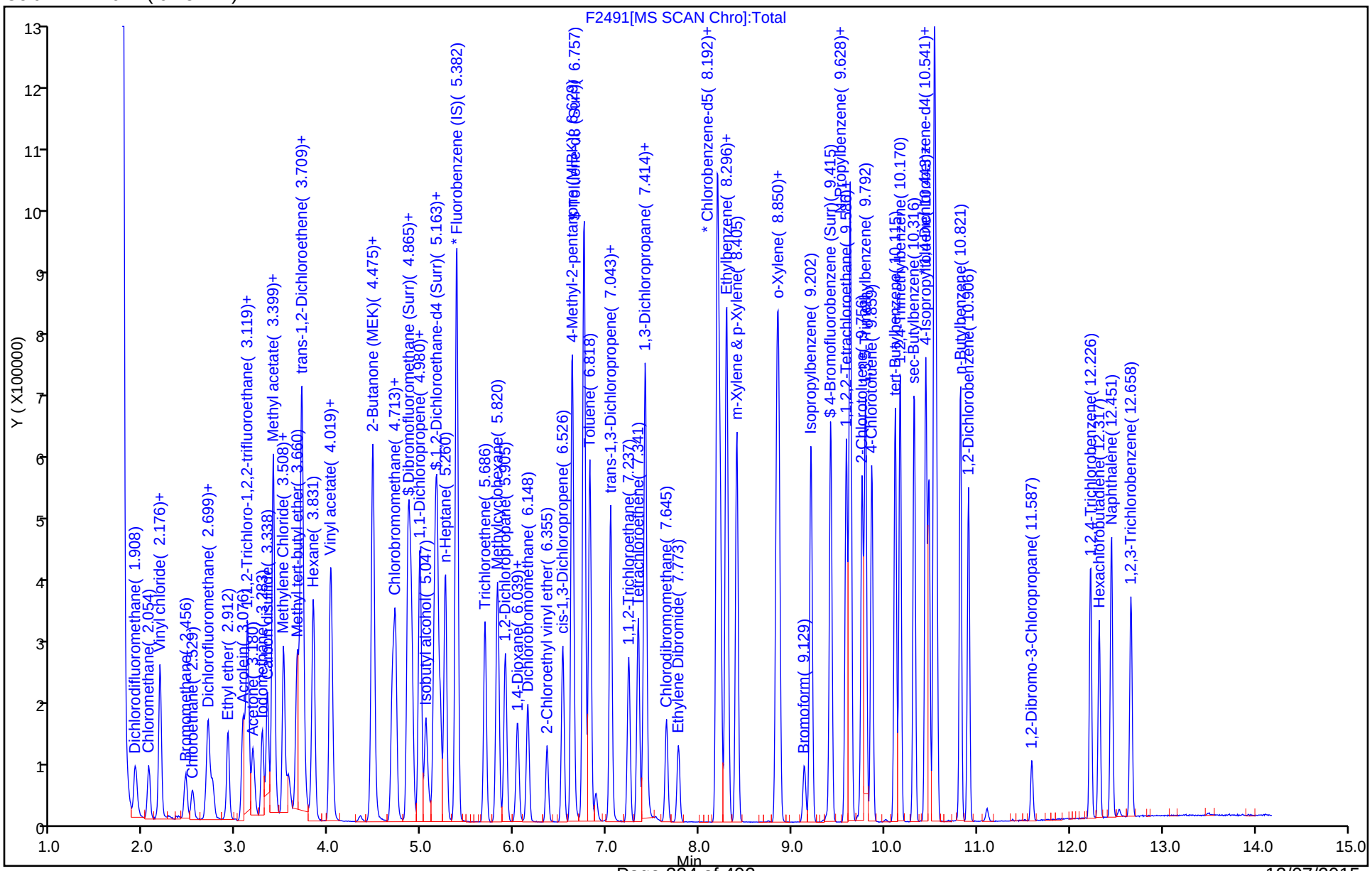
Report Date: 19-Nov-2015 13:23:00 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2491.D

Injection Date:	19-Nov-2015 05:13:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

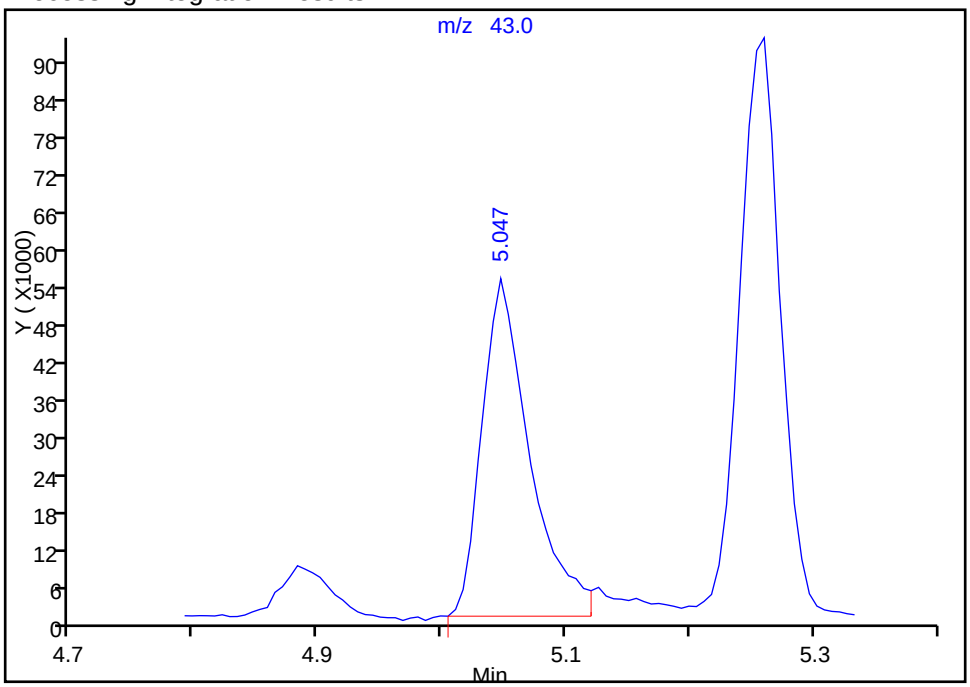
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2491.D
Injection Date: 19-Nov-2015 05:13:30 Instrument ID: HP5973F
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

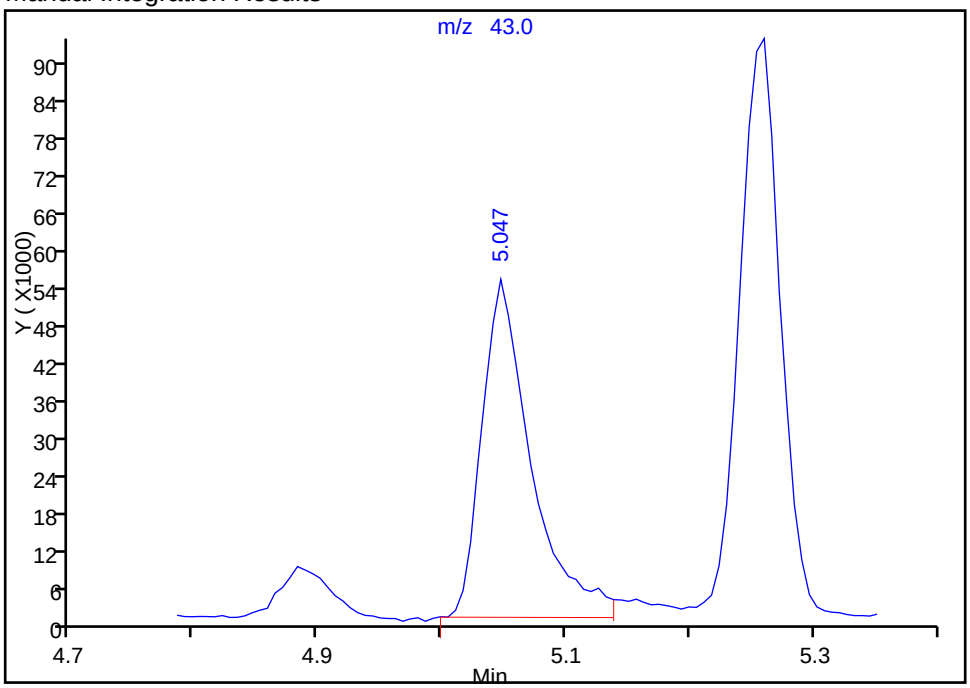
Processing Integration Results

RT: 5.05
Area: 144805
Amount: 479.2241
Amount Units: ug/kg



Manual Integration Results

RT: 5.05
Area: 149205
Amount: 491.7398
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:35:01
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2492.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 19-Nov-2015 05:38:30 ALS Bottle#: 11 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0048486-008
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:23:03 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:10:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	186371	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	370959	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	94	345689	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	93	186635	50.0	49.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.145	0.000	0	110788	50.0	48.5	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	92	740136	50.0	48.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	203781	50.0	49.3	
10 Dichlorodifluoromethane	85	1.920	1.920	0.000	99	332133	50.0	48.5	
12 Chloromethane	50	2.066	2.066	0.000	100	257676	50.0	46.8	
13 Vinyl chloride	62	2.182	2.182	0.000	98	226007	50.0	47.8	
151 Butadiene	54	2.188	2.188	0.000	93	233123	50.0	48.3	
14 Bromomethane	94	2.462	2.462	0.000	91	144985	50.0	47.1	
15 Chloroethane	64	2.535	2.535	0.000	99	124466	50.0	48.5	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	99	344945	50.0	48.2	
17 Trichlorofluoromethane	101	2.717	2.717	0.000	99	353736	50.0	48.9	
18 Ethyl ether	59	2.918	2.918	0.000	94	238157	50.0	49.0	
20 Acrolein	56	3.076	3.076	0.000	100	291591	250.0	249.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	94	263247	50.0	50.3	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	270809	50.0	49.8	
23 Acetone	43	3.186	3.186	0.000	99	477946	250.0	239.8	
25 Iodomethane	142	3.289	3.289	0.000	99	469021	50.0	48.7	
26 Carbon disulfide	76	3.344	3.344	0.000	99	883762	50.0	50.4	
27 Methyl acetate	43	3.405	3.405	0.000	98	1298195	250.0	241.1	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	94	489891	50.0	49.2	
30 Methylene Chloride	84	3.514	3.514	0.000	96	296702	50.0	44.2	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	100	355272	500.0	505.0	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	96	825451	50.0	48.9	
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	99	288207	50.0	48.6	
33 Acrylonitrile	53	3.715	3.715	0.000	99	1158680	500.0	481.2	
35 Hexane	57	3.837	3.837	0.000	94	516750	50.0	48.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	1089698	100.0	101.0	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	96	513717	50.0	48.2	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	88	390427	50.0	50.4	
43 2-Butanone (MEK)	43	4.476	4.476	0.000	100	766796	250.0	250.8	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	82	308013	50.0	48.4	
48 Chlorobromomethane	128	4.688	4.688	0.000	97	152349	50.0	49.3	
49 Tetrahydrofuran	42	4.713	4.713	0.000	90	213995	100.0	98.6	
50 Chloroform	83	4.725	4.725	0.000	95	472684	50.0	48.3	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	98	410233	50.0	50.3	
52 Cyclohexane	56	4.889	4.889	0.000	92	511476	50.0	49.7	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	94	394276	50.0	49.6	
55 Carbon tetrachloride	117	4.993	4.993	0.000	97	363443	50.0	51.5	
53 Isobutyl alcohol	43	5.047	5.047	0.000	95	388290	1250.0	1323.1	
57 Benzene	78	5.169	5.169	0.000	97	1126661	50.0	48.0	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	96	369588	50.0	47.8	
59 n-Heptane	43	5.260	5.260	0.000	95	528804	50.0	49.1	
62 Trichloroethene	95	5.686	5.686	0.000	97	286593	50.0	48.8	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	508800	50.0	50.4	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	276764	50.0	48.9	
66 1,4-Dioxane	88	6.021	6.021	0.000	94	54783	1000.0	998.8	
67 Dibromomethane	93	6.039	6.039	0.000	97	159072	50.0	48.3	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	341584	50.0	50.2	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	143837	50.0	50.3	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	432824	50.0	50.7	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	1514424	250.0	246.1	
74 Toluene	92	6.818	6.818	0.000	98	708712	50.0	48.2	
75 Ethyl methacrylate	69	7.043	7.043	0.000	78	344282	50.0	50.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	384716	50.0	50.5	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	91	194974	50.0	48.1	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	290866	50.0	49.2	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	95	402212	50.0	48.0	
80 2-Hexanone	43	7.420	7.420	0.000	97	1096743	250.0	249.9	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	264748	50.0	51.7	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	245484	50.0	48.8	
87 Chlorobenzene	112	8.223	8.223	0.000	95	763767	50.0	47.5	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1291703	50.0	48.5	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	257982	50.0	49.7	
90 m-Xylene & p-Xylene	106	8.405	8.405	0.000	99	528081	50.0	46.1	
91 o-Xylene	106	8.837	8.837	0.000	96	499650	50.0	48.4	
92 Styrene	104	8.856	8.856	0.000	94	828519	50.0	49.9	
95 Bromoform	173	9.136	9.136	0.000	96	137998	50.0	50.8	
94 Isopropylbenzene	105	9.202	9.202	0.000	95	1254869	50.0	49.0	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	304673	50.0	48.9	
101 Bromobenzene	156	9.592	9.592	0.000	93	312758	50.0	47.9	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	60	107764	50.0	49.7	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	1476581	50.0	48.7	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	82	97048	50.0	47.8	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	304282	50.0	48.2	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	1035029	50.0	48.0	
105 4-Chlorotoluene	126	9.859	9.859	0.000	97	321428	50.0	48.0	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	240831	50.0	49.3	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	1060091	50.0	47.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	1356003	50.0	49.3	
110 4-Isopropyltoluene	119	10.443	10.443	0.000	97	1175624	50.0	49.4	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	99	603946	50.0	47.9	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	609631	50.0	47.7	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	1028521	50.0	49.6	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	567652	50.0	48.1	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	85	54286	50.0	51.2	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	315040	50.0	48.8	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	141066	50.0	49.5	
121 Naphthalene	128	12.451	12.451	0.000	97	999334	50.0	47.9	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	290267	50.0	48.3	

Reagents:

8260 CORP mix_00059	Amount Added: 25.00	Units: uL	
GAS CORP mix_00121	Amount Added: 25.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent

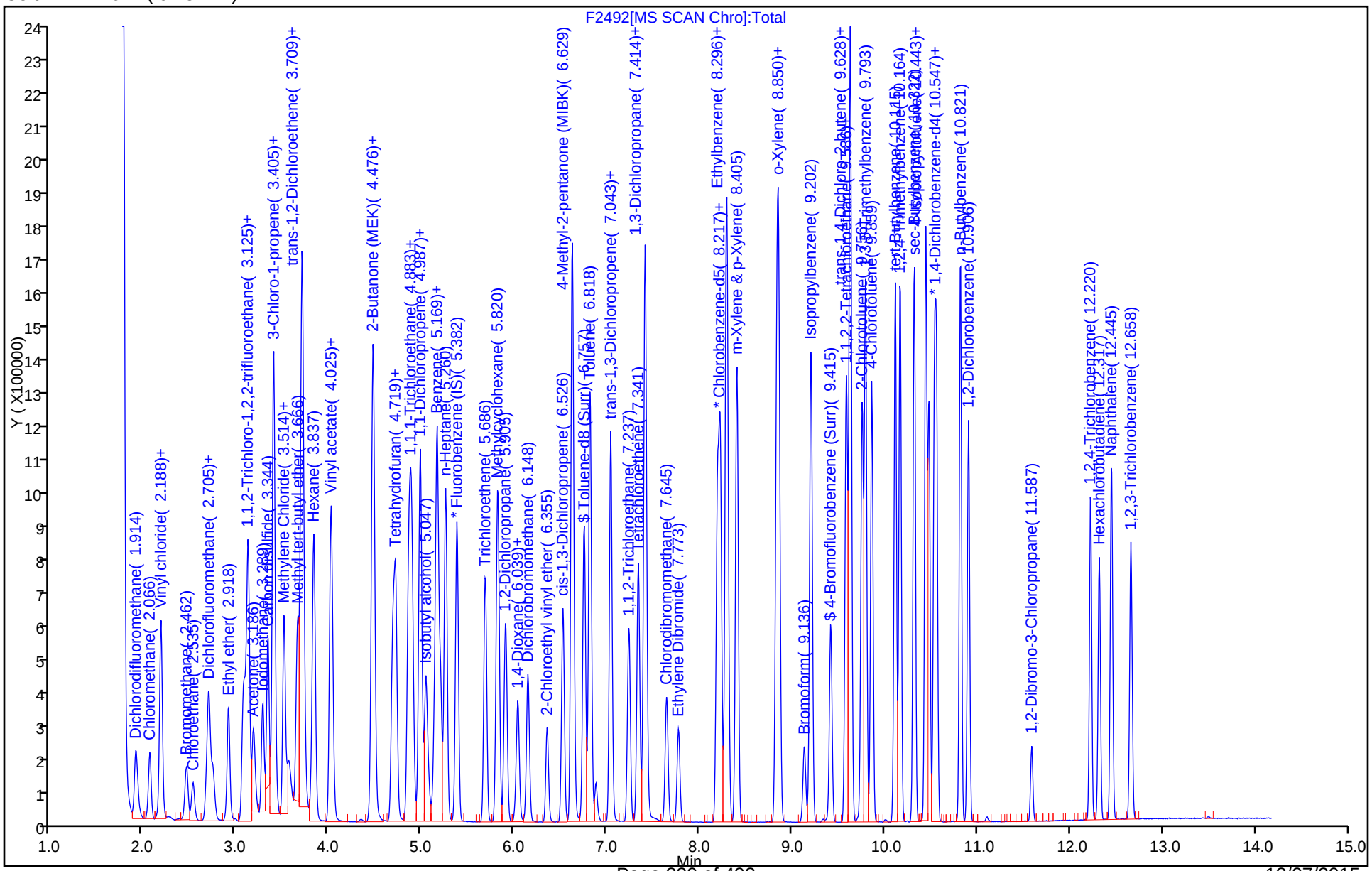
Report Date: 19-Nov-2015 13:23:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2492.D

Injection Date:	19-Nov-2015 05:38:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	ICIS 5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2493.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Nov-2015 06:04:30 ALS Bottle#: 12 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0048486-009
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:23:06 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:36:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	191512	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	381629	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	94	353899	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	93	195734	50.0	50.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.145	0.000	0	115128	50.0	49.1	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	779485	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	87	209768	50.0	49.4	
10 Dichlorodifluoromethane	85	1.921	1.920	0.001	99	656956	100.0	93.3	
12 Chloromethane	50	2.073	2.066	0.007	99	530394	100.0	93.7	
13 Vinyl chloride	62	2.188	2.182	0.006	98	471665	100.0	97.0	
151 Butadiene	54	2.194	2.188	0.006	92	479954	100.0	96.8	
14 Bromomethane	94	2.468	2.462	0.006	90	293097	100.0	92.6	
15 Chloroethane	64	2.535	2.535	0.000	99	252088	100.0	95.7	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	99	696503	100.0	94.7	
17 Trichlorofluoromethane	101	2.718	2.717	0.001	100	700280	100.0	94.3	
18 Ethyl ether	59	2.918	2.918	0.000	94	473570	100.0	94.8	
20 Acrolein	56	3.076	3.076	0.000	99	619552	500.0	515.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	95	510536	100.0	94.8	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	536560	100.0	96.1	
23 Acetone	43	3.186	3.186	0.000	100	1072005	500.0	523.5	
25 Iodomethane	142	3.289	3.289	0.000	98	954051	100.0	96.3	
26 Carbon disulfide	76	3.344	3.344	0.000	99	1832672	100.0	101.7	
27 Methyl acetate	43	3.399	3.405	-0.006	98	2837225	500.0	512.8	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	93	990231	100.0	96.8	
30 Methylene Chloride	84	3.514	3.514	0.000	95	597749	100.0	86.6	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	100	810083	1000.0	1120.7	
32 Methyl tert-butyl ether	73	3.667	3.666	0.001	95	1708151	100.0	98.4	
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	99	579001	100.0	95.0	
33 Acrylonitrile	53	3.715	3.715	0.000	99	2585645	1000.0	1045.0	
35 Hexane	57	3.837	3.837	0.000	93	1011251	100.0	92.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	2300225	200.0	207.5	
39 1,1-Dichloroethane	63	4.032	4.031	0.001	96	1034654	100.0	94.4	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	93	789773	100.0	99.1	
43 2-Butanone (MEK)	43	4.470	4.476	-0.006	99	1745600	500.0	555.6	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	84	623454	100.0	95.4	
48 Chlorobromomethane	128	4.689	4.688	0.001	98	312125	100.0	98.3	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	90	495505	200.0	222.3	
50 Chloroform	83	4.725	4.725	0.000	95	960822	100.0	95.5	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	98	822925	100.0	98.3	
52 Cyclohexane	56	4.895	4.889	0.006	92	1026412	100.0	97.1	
54 1,1-Dichloropropene	75	4.987	4.980	0.007	94	798916	100.0	97.8	
55 Carbon tetrachloride	117	4.993	4.993	0.000	98	735197	100.0	101.3	
53 Isobutyl alcohol	43	5.048	5.047	0.001	95	904716	2500.0	3000.1	
57 Benzene	78	5.169	5.169	0.000	97	2275552	100.0	94.3	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	97	757662	100.0	95.4	
59 n-Heptane	43	5.260	5.260	0.000	94	1063227	100.0	96.1	
62 Trichloroethene	95	5.686	5.686	0.000	97	586707	100.0	97.1	
64 Methylcyclohexane	83	5.826	5.820	0.006	91	1016516	100.0	98.1	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	94	564723	100.0	97.0	
66 1,4-Dioxane	88	6.015	6.021	-0.006	95	121989	2000.0	2120.6	M
67 Dibromomethane	93	6.039	6.039	0.000	97	333662	100.0	98.7	
68 Dichlorobromomethane	83	6.149	6.148	0.001	100	717073	100.0	102.6	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	316177	100.0	107.6	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	908941	100.0	103.6	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	97	3309303	500.0	522.7	
74 Toluene	92	6.824	6.818	0.006	99	1430411	100.0	94.5	
75 Ethyl methacrylate	69	7.043	7.043	0.000	88	744814	100.0	105.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	96	804335	100.0	102.7	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	91	409573	100.0	98.1	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	581004	100.0	95.5	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	94	828153	100.0	96.0	
80 2-Hexanone	43	7.420	7.420	0.000	96	2481468	500.0	549.5	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	569238	100.0	108.1	
84 Ethylene Dibromide	107	7.773	7.773	0.000	99	518332	100.0	100.2	
87 Chlorobenzene	112	8.223	8.223	0.000	95	1557602	100.0	94.2	
88 Ethylbenzene	91	8.290	8.290	0.000	98	2586914	100.0	94.5	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	534155	100.0	100.1	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	1062044	100.0	90.2	
91 o-Xylene	106	8.838	8.837	0.001	97	1008186	100.0	95.0	
92 Styrene	104	8.856	8.856	0.000	96	1696446	100.0	99.3	
95 Bromoform	173	9.130	9.136	-0.006	96	313181	100.0	112.0	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	2522519	100.0	96.3	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	652609	100.0	102.3	
101 Bromobenzene	156	9.592	9.592	0.000	92	633842	100.0	94.9	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	62	243306	100.0	109.6	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	2944747	100.0	94.9	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	82	210181	100.0	101.0	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	615123	100.0	95.1	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	95	2097631	100.0	95.0	
105 4-Chlorotoluene	126	9.860	9.859	0.001	97	653052	100.0	95.3	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	491696	100.0	98.2	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	2144944	100.0	94.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	2711145	100.0	96.4	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	97	2362056	100.0	96.9	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	1217441	100.0	94.4	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	1233558	100.0	94.3	
115 n-Butylbenzene	91	10.821	10.815	0.006	97	2062786	100.0	97.2	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	1161603	100.0	96.2	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	87	129158	100.0	119.1	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	643711	100.0	97.5	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	95	284735	100.0	97.5	
121 Naphthalene	128	12.445	12.451	-0.006	97	2181164	100.0	102.1	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	605549	100.0	98.4	
S 125 1,2-Dichloroethene, Total	1				0			190.4	
S 126 1,3-Dichloropropene, Total	1				0			206.2	
S 123 Total BTEX	1				0			468.5	
S 124 Xylenes, Total	1				0			185.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00059	Amount Added: 50.00	Units: uL		
GAS CORP mix_00121	Amount Added: 50.00	Units: uL		
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent	
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent	

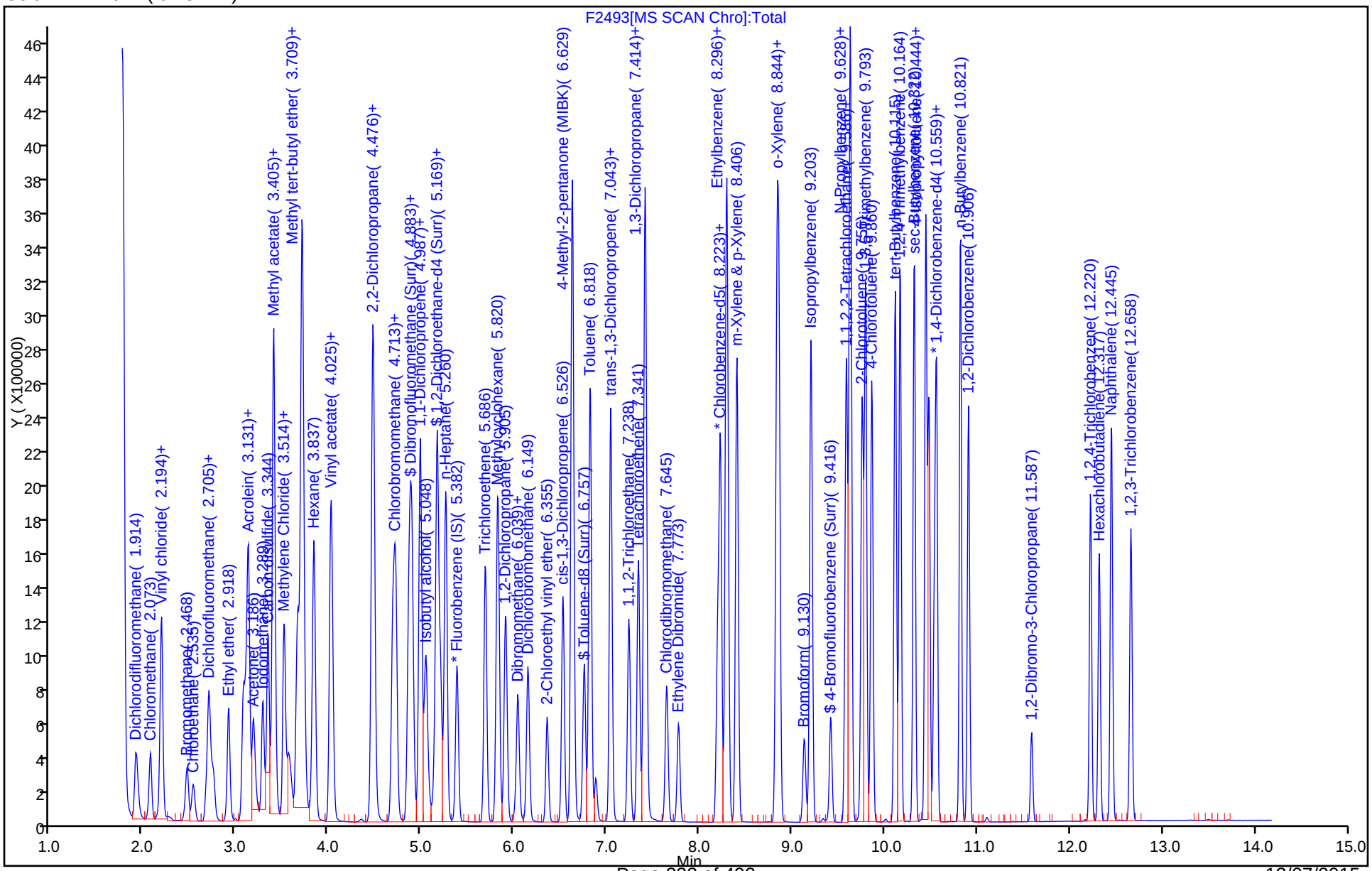
Report Date: 19-Nov-2015 13:23:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2493.D

Injection Date:	19-Nov-2015 06:04:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 6			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

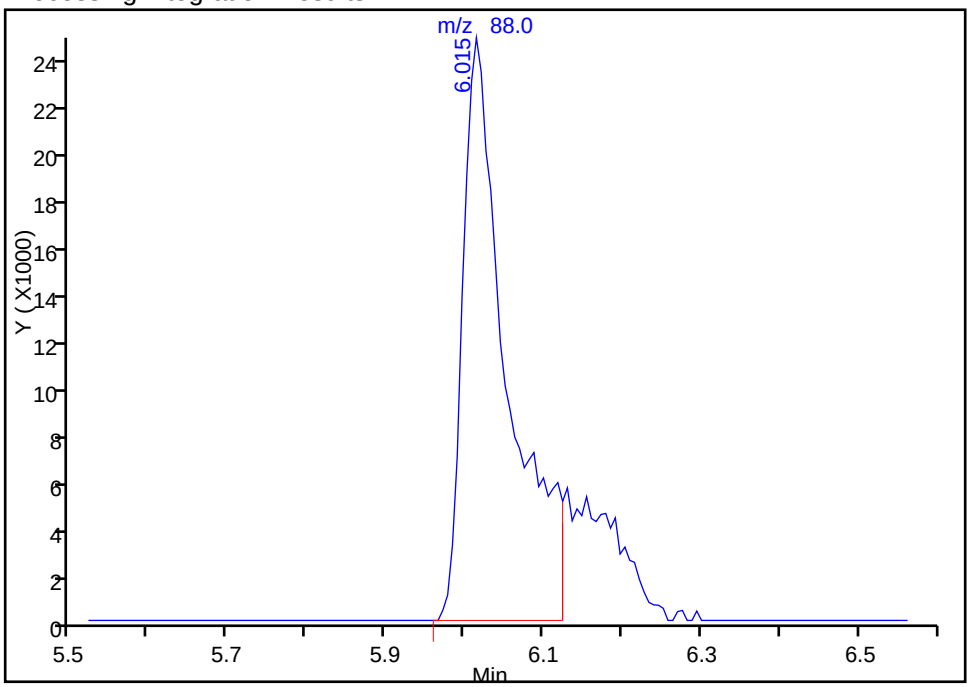
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2493.D
Injection Date: 19-Nov-2015 06:04:30 Instrument ID: HP5973F
Lims ID: IC 6
Client ID:
Operator ID: NMD ALS Bottle#: 12 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

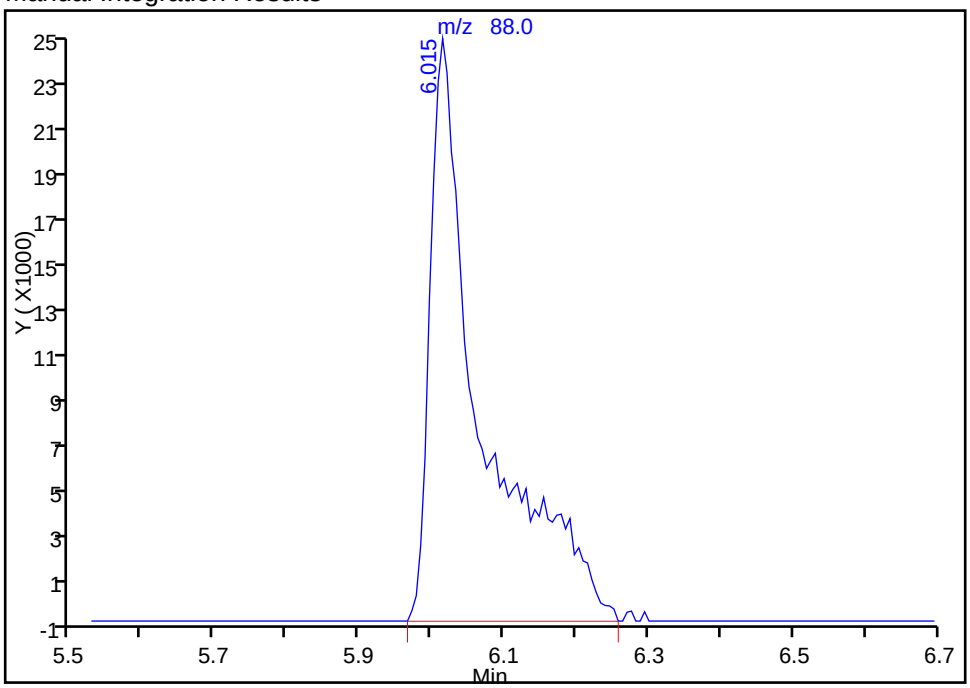
Processing Integration Results

RT: 6.01
Area: 97616
Amount: 1804.2032
Amount Units: ug/kg



Manual Integration Results

RT: 6.01
Area: 121989
Amount: 2120.6065
Amount Units: ug/kg



Reviewer: HillL, 19-Nov-2015 11:36:42
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2494.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Nov-2015 06:30:30 ALS Bottle#: 13 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0048486-010
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Nov-2015 13:23:09 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: HillL Date: 19-Nov-2015 11:11:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	205451	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	409237	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	376216	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	93	211009	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.145	-0.006	0	126895	50.0	50.4	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	92	847913	50.0	50.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.415	0.007	88	229275	50.0	50.3	
10 Dichlorodifluoromethane	85	1.915	1.920	-0.005	100	1438024	200.0	190.4	
12 Chloromethane	50	2.079	2.066	0.013	99	1119188	200.0	184.4	
13 Vinyl chloride	62	2.188	2.182	0.006	99	1003785	200.0	192.5	
151 Butadiene	54	2.194	2.188	0.006	92	1035227	200.0	194.5	
14 Bromomethane	94	2.468	2.462	0.006	91	635338	200.0	187.0	
15 Chloroethane	64	2.535	2.535	0.000	99	547240	200.0	193.6	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	99	1481303	200.0	187.7	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	99	1504360	200.0	188.7	
18 Ethyl ether	59	2.912	2.918	-0.006	94	1041114	200.0	194.4	
20 Acrolein	56	3.070	3.076	-0.006	99	1218388	1000.0	944.5	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.107	0.000	94	1105375	200.0	191.4	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	99	1144637	200.0	191.1	
23 Acetone	43	3.186	3.186	0.000	100	2000354	1000.0	910.5	
25 Iodomethane	142	3.283	3.289	-0.006	99	2010186	200.0	189.2	
26 Carbon disulfide	76	3.338	3.344	-0.006	99	3927835	200.0	203.1	
27 Methyl acetate	43	3.399	3.405	-0.006	98	5362841	1000.0	903.4	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	93	2061298	200.0	187.8	
30 Methylene Chloride	84	3.515	3.514	0.001	95	1262947	200.0	170.6	
31 2-Methyl-2-propanol	59	3.563	3.569	-0.006	100	1469065	2000.0	1894.4	
32 Methyl tert-butyl ether	73	3.661	3.666	-0.005	96	3574392	200.0	192.0	
34 trans-1,2-Dichloroethene	96	3.697	3.703	-0.006	99	1202522	200.0	183.9	
33 Acrylonitrile	53	3.715	3.715	0.000	98	4855522	2000.0	1829.2	
35 Hexane	57	3.837	3.837	0.000	94	2174241	200.0	184.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.019	-0.006	97	4675540	400.0	393.1	
39 1,1-Dichloroethane	63	4.032	4.031	0.001	97	2189623	200.0	186.2	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	93	1690016	200.0	197.7	
43 2-Butanone (MEK)	43	4.470	4.476	-0.006	100	3257941	1000.0	966.6	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	84	1312908	200.0	187.2	
48 Chlorobromomethane	128	4.689	4.688	0.001	96	667196	200.0	195.8	
49 Tetrahydrofuran	42	4.701	4.713	-0.012	89	945319	400.0	395.3	
50 Chloroform	83	4.719	4.725	-0.006	95	2051639	200.0	190.1	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	98	1787805	200.0	199.0	
52 Cyclohexane	56	4.895	4.889	0.006	92	2189445	200.0	193.0	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	96	1708348	200.0	194.9	
55 Carbon tetrachloride	117	4.993	4.993	0.000	98	1597323	200.0	205.2	
53 Isobutyl alcohol	43	5.041	5.047	-0.006	95	1686084	5000.0	5211.9	
57 Benzene	78	5.169	5.169	0.000	98	4798458	200.0	185.4	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	97	1610642	200.0	189.1	
59 n-Heptane	43	5.261	5.260	0.000	94	2300026	200.0	193.8	
62 Trichloroethene	95	5.686	5.686	0.000	97	1252448	200.0	193.3	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	2213874	200.0	199.1	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	1218159	200.0	195.1	
66 1,4-Dioxane	88	6.015	6.021	-0.006	94	240407	4000.0	3867.5	
67 Dibromomethane	93	6.039	6.039	0.000	97	717723	200.0	197.9	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	1581768	200.0	211.0	
69 2-Chloroethyl vinyl ether	63	6.356	6.355	0.001	92	680057	200.0	215.8	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	1995817	200.0	212.0	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	96	6267874	1000.0	923.1	
74 Toluene	92	6.818	6.818	0.000	99	3081041	200.0	189.9	
75 Ethyl methacrylate	69	7.043	7.043	0.000	88	1566523	200.0	206.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	1762024	200.0	209.7	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	868102	200.0	194.0	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	1242427	200.0	190.4	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	95	1752138	200.0	189.4	
80 2-Hexanone	43	7.414	7.420	-0.006	96	4655687	1000.0	961.4	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	1263304	200.0	223.7	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	1122720	200.0	202.4	
87 Chlorobenzene	112	8.229	8.223	0.006	95	3312968	200.0	186.8	
88 Ethylbenzene	91	8.290	8.290	0.000	98	5409882	200.0	184.2	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	1150720	200.0	201.1	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	2260523	200.0	179.0	
91 o-Xylene	106	8.838	8.837	0.001	96	2134126	200.0	187.5	
92 Styrene	104	8.856	8.856	0.000	95	3619185	200.0	197.6	
95 Bromoform	173	9.130	9.136	-0.006	96	686826	200.0	229.1	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	5318870	200.0	191.0	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	1331894	200.0	196.5	
101 Bromobenzene	156	9.592	9.592	0.000	93	1333862	200.0	187.8	
98 trans-1,4-Dichloro-2-buten	53	9.629	9.628	0.000	59	495231	200.0	209.9	
99 N-Propylbenzene	91	9.629	9.628	0.000	98	6065785	200.0	184.0	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	83	423457	200.0	191.5	
103 2-Chlorotoluene	126	9.756	9.756	0.000	98	1324661	200.0	192.7	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	4394506	200.0	187.1	
105 4-Chlorotoluene	126	9.866	9.859	0.007	97	1407328	200.0	193.2	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	1039607	200.0	195.4	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	4503835	200.0	186.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	94	5655525	200.0	189.1	
110 4-Isopropyltoluene	119	10.444	10.443	0.001	96	4921781	200.0	190.0	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	2590896	200.0	188.9	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	2621949	200.0	188.6	
115 n-Butylbenzene	91	10.821	10.815	0.006	97	4412288	200.0	195.5	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	2449542	200.0	190.9	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	87	260583	200.0	226.0	
119 1,2,4-Trichlorobenzene	180	12.226	12.226	0.000	95	1357039	200.0	193.3	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	92	584857	200.0	188.5	
121 Naphthalene	128	12.445	12.451	-0.006	97	4363922	200.0	192.1	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	1255884	200.0	192.0	
S 125 1,2-Dichloroethene, Total	1				0			371.2	
S 126 1,3-Dichloropropene, Total	1				0			421.7	
S 123 Total BTEX	1				0			926.0	
S 124 Xylenes, Total	1				0			366.5	

Reagents:

8260 CORP mix_00059	Amount Added: 100.00	Units: uL	
GAS CORP mix_00121	Amount Added: 100.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00399	Amount Added: 1.00	Units: uL	Run Reagent

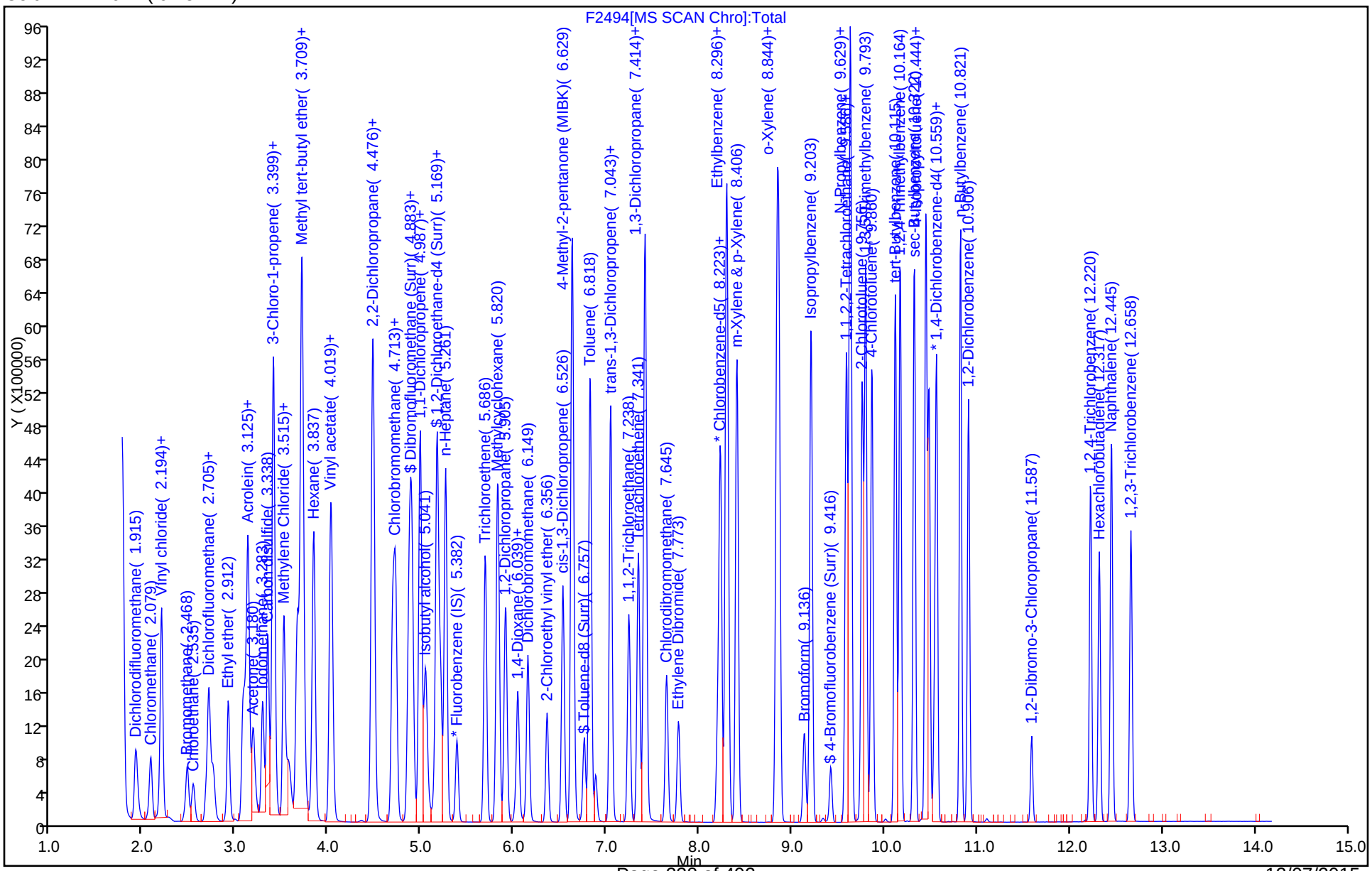
Report Date: 19-Nov-2015 13:23:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2494.D

Injection Date:	19-Nov-2015 06:30:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	IC 7			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-273985/6	N4027.D
Level 2	IC 480-273985/7	N4028.D
Level 3	IC 480-273985/8	N4029.D
Level 4	IC 480-273985/9	N4030.D
Level 5	IC 480-273985/10	N4031.D
Level 6	ICIS 480-273985/11	N4032.D
Level 7	IC 480-273985/12	N4033.D
Level 8	IC 480-273985/13	N4034.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.4637	1.1851 1.3379	1.4177 1.2096	1.4818	1.4228	Ave		1.3598			0.1000	8.8		20.0			
Chloromethane	1.4545 1.6440	1.7031 1.5072	1.7680 1.4870	1.7811	1.6562	Ave		1.6251			0.1000	7.9		20.0			
Vinyl chloride	+++++ 1.5016	1.3592 1.3630	1.4786 1.3183	1.5152	1.5064	Ave		1.4346			0.1000	5.9		20.0			
Butadiene	+++++ 1.5969	1.3388 1.4055	1.6174 1.3003	1.5040	1.5701	Ave		1.4762				8.7		20.0			
Bromomethane	+++++ 0.7618	0.6178 0.6657	0.8191 0.6413	0.7490	0.6930	Ave		0.7068			0.1000	10.3		20.0			
Chloroethane	0.8459 0.8390	0.9755 0.7297	0.9730 0.7068	0.8784	0.8299	Ave		0.8473			0.1000	11.6		20.0			
Dichlorofluoromethane	+++++ 1.8785	2.0521 1.6828	1.9063 1.6481	1.9399	1.8340	Ave		1.8488				7.7		20.0			
Trichlorofluoromethane	+++++ 1.7044	1.3699 1.5785	1.5109 1.4581	1.5894	1.6250	Ave		1.5480			0.1000	7.2		20.0			
Ethyl ether	+++++ 1.3590	1.7358 1.2853	1.5176 1.2756	1.4354	1.3768	Ave		1.4265				11.2		20.0			
Acrolein	0.3251 0.2777	0.3232 0.2888	0.2742 0.2448	0.2918	0.2893	Ave		0.2894				9.0		20.0			
1,1-Dichloroethene	+++++ 1.1673	1.3703 1.0826	1.2721 1.0407	1.1715	1.1481	Ave		1.1789			0.1000	9.5		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.1322	0.8529 0.9336	1.0698 0.9360	1.0572	1.0002	Ave		0.9974			0.1000	9.7		20.0			
Acetone	+++++ 0.4386	0.5230 0.4114	0.4754 0.3552	0.4852	0.3960	Ave		0.4407			0.1000	13.1		20.0			
Iodomethane	+++++ 1.9258	1.8941 1.6910	1.9312 1.7129	1.7578	1.8422	Ave		1.8221				5.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.2369 3.7030	4.2265 3.3282	3.8307 3.2350	3.6246	3.5909	Ave		3.5970			0.1000	9.4		20.0			
Allyl chloride	2.6564 2.3709	2.9651 2.1960	2.6624 2.1393	2.3993	2.4407	Ave		2.4788				11.0		20.0			
Methyl acetate	1.8516 1.3269	1.6211 1.2911	1.3636 +++++	1.4799	1.3765	Ave		1.4730			0.1000	13.6		20.0			
Methylene Chloride	+++++ 1.3139	2.0830 1.1709	1.8375 1.1526	1.4343	1.3810	Lin1	1.1807	1.1665			0.1000				0.9980		0.9900
2-Methyl-2-propanol	+++++ 0.0840	0.1058 0.0933	0.1002 0.0867	0.1116	0.0853	Ave		0.0953				11.4		20.0			
Methyl tert-butyl ether	4.7736 3.8811	4.5717 3.7126	4.1210 3.6471	3.9613	3.8786	Ave		4.0684			0.1000	9.9		20.0			
trans-1,2-Dichloroethene	1.2620 1.2591	1.3688 1.1621	1.4184 1.1389	1.3154	1.2458	Ave		1.2713			0.1000	7.5		20.0			
Acrylonitrile	+++++ 0.6388	0.6942 0.6027	0.6236 0.5049	0.7231	0.5777	Ave		0.6236				11.7		20.0			
Hexane	2.0848 2.1348	2.7990 1.9671	2.2835 1.7925	2.2891	2.1840	Ave		2.1919				13.5		20.0			
1,1-Dichloroethane	2.4596 2.3724	2.8186 2.1487	2.4651 2.1247	2.4281	2.3687	Ave		2.3983			0.2000	9.0		20.0			
Vinyl acetate	3.0774 3.0645	3.1899 3.0384	2.9370 2.9608	3.0551	2.9504	Ave		3.0342				2.8		20.0			
2,2-Dichloropropane	1.0294 1.0384	1.2248 0.9188	1.0213 0.8794	1.0015	1.0268	Ave		1.0176				10.0		20.0			
cis-1,2-Dichloroethene	1.2743 1.3336	1.5207 1.2208	1.5132 1.2192	1.3750	1.3360	Ave		1.3491			0.1000	8.7		20.0			
2-Butanone (MEK)	+++++ 0.7929	0.9332 0.8048	0.7082 0.7808	0.8052	0.8259	Ave		0.8073			0.1000	8.3		20.0			
Chlorobromomethane	0.6508 0.6481	0.7368 0.6193	0.6949 0.6103	0.6603	0.6670	Ave		0.6609				6.1		20.0			
Tetrahydrofuran	+++++ 0.5489	0.6493 0.5479	0.5249 0.5434	0.6126	0.5543	Ave		0.5688				7.9		20.0			
Chloroform	2.2748 2.1272	2.4172 1.9723	2.3839 1.9488	2.1961	2.2137	Ave		2.1918			0.2000	7.8		20.0			
1,1,1-Trichloroethane	1.4762 1.7215	1.7679 1.5294	1.8080 1.5054	1.6081	1.6526	Ave		1.6336			0.1000	7.6		20.0			
Cyclohexane	+++++ 2.1889	2.1964 1.9151	2.2760 1.9146	2.0071	2.1644	Ave		2.0946			0.1000	7.0		20.0			
Carbon tetrachloride	+++++ 1.4477	1.4763 1.3646	1.4522 1.3392	1.3012	1.3566	Ave		1.3911			0.1000	4.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.4728 1.6742	1.8183 1.5528	1.7379 1.4757	1.6573	1.6764	Ave		1.6332				7.5		20.0			
Isobutyl alcohol	+++++ 0.0657	0.0685 0.0713	0.0614 0.0713	0.0736	0.0546	Ave		0.0666				10.0		20.0			
Benzene	5.0632 4.7394	5.9955 4.4200	5.2590 4.2891	5.0971	4.9184	Ave		4.9727			0.5000	10.7		20.0			
1,2-Dichloroethane	+++++ 1.8854	2.4351 1.7496	2.0933 1.7708	1.9779	1.9476	Ave		1.9800			0.1000	11.8		20.0			
n-Heptane	2.3421 2.2348	3.1149 2.0937	2.6043 2.0097	2.4453	2.2496	Ave		2.3868				14.6		20.0			
Trichloroethene	1.2309 1.2535	1.4337 1.1700	1.2978 1.1425	1.2340	1.2423	Ave		1.2506			0.2000	7.1		20.0			
Methylcyclohexane	1.7982 2.1077	2.4955 1.9226	2.3062 1.8070	2.1556	2.1501	Ave		2.0929			0.1000	11.6		20.0			
1,2-Dichloropropane	1.1295 1.1691	1.3791 1.1381	1.1655 1.1400	1.1917	1.1591	Ave		1.1840			0.1000	6.9		20.0			
Dibromomethane	0.7564 0.7205	0.7312 0.6990	0.6659 0.7105	0.7351	0.7342	Ave		0.7191			0.1000	3.8		20.0			
1,4-Dioxane	+++++ 0.0034	+++++ 0.0033	0.0014 0.0033	0.0023	0.0032	Lin1	-0.074	0.0034							0.9990		0.9900
Bromodichloromethane	1.5286 1.3968	1.3824 1.4172	1.3153 1.4753	1.3232	1.3526	Ave		1.3989			0.2000	5.3		20.0			
2-Chloroethyl vinyl ether	0.7786 0.7666	0.7148 0.8452	0.6828 0.8611	0.7410	0.7398	Ave		0.7662				8.0		20.0			
cis-1,3-Dichloropropene	1.5235 1.7318	1.7169 1.7538	1.5679 1.8080	1.6985	1.7319	Ave		1.6915			0.2000	5.7		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.1723	0.1749 0.1721	0.1600 0.1689	0.1727	0.1692	Ave		0.1700			0.1000	2.9		20.0			
Toluene	0.9052 0.8621	1.0995 0.8162	0.8854 0.7817	0.8565	0.8603	Ave		0.8834			0.4000	10.8		20.0			
trans-1,3-Dichloropropene	+++++ 0.4439	0.3821 0.4694	0.3772 0.4747	0.4157	0.4333	Ave		0.4280			0.1000	9.1		20.0			
Ethyl methacrylate	0.4046 0.4213	0.4099 0.4508	0.3922 0.4548	0.3968	0.4102	Ave		0.4176				5.6		20.0			
1,1,2-Trichloroethane	0.2740 0.2498	0.2529 0.2471	0.2401 0.2376	0.2586	0.2448	Ave		0.2506			0.1000	4.6		20.0			
Tetrachloroethene	0.4173 0.3821	0.4696 0.3653	0.4227 0.3437	0.4057	0.3855	Ave		0.3990			0.2000	9.7		20.0			
1,3-Dichloropropane	0.5434 0.5121	0.5788 0.5059	0.5421 0.4905	0.5089	0.5339	Ave		0.5270				5.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.3113	0.3126 0.3139	0.2849 0.2929	0.3145	0.3040	Ave		0.3049			0.1000	3.8		20.0			
Dibromochloromethane	0.2310 0.2793	0.2455 0.2972	0.2214 0.3137	0.2474	0.2577	Ave		0.2616			0.1000	12.4		20.0			
1,2-Dibromoethane	0.2964 0.3172	0.3352 0.3170	0.2745 0.3130	0.2919	0.2954	Ave		0.3051				6.2		20.0			
Chlorobenzene	1.0072 0.9160	1.0753 0.8766	0.9874 0.8358	0.9512	0.9509	Ave		0.9500			0.5000	8.0		20.0			
1,1,1,2-Tetrachloroethane	0.2781 0.3153	0.3449 0.3088	0.2734 0.3086	0.2923	0.3055	Ave		0.3034				7.5		20.0			
Ethylbenzene	1.4952 1.5240	1.8370 1.4421	1.6502 1.3282	1.5885	1.5696	Ave		1.5544			0.1000	9.7		20.0			
m,p-Xylene	0.6222 0.6217	0.7447 0.6099	0.6477 0.5701	0.6043	0.6230	Ave		0.6304			0.1000	8.1		20.0			
o-Xylene	0.6955 0.6230	0.7291 0.5933	0.6338 0.5641	0.6351	0.6228	Ave		0.6371			0.3000	8.3		20.0			
Styrene	0.9646 0.9890	1.0698 0.9796	0.9472 0.9337	0.9357	0.9827	Ave		0.9753			0.3000	4.5		20.0			
Bromoform	+++++ 0.1557	0.1379 0.1735	0.1263 +++++	0.1199	0.1368	Ave		0.1417			0.1000	14.0		20.0			
Isopropylbenzene	2.9247 2.9762	3.9142 2.8001	3.0906 2.6058	2.9955	3.0495	Ave		3.0446			0.1000	12.6		20.0			
Bromobenzene	0.8476 0.7574	0.8790 0.7371	0.7857 0.7361	0.7670	0.7859	Ave		0.7870				6.5		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8103	0.8506 0.7835	0.8056 0.7881	0.8242	0.8161	Ave		0.8112			0.3000	2.8		20.0			
1,2,3-Trichloropropane	0.2934 0.2876	0.3078 0.2691	0.2664 0.2645	0.2849	0.2793	Ave		0.2816				5.3		20.0			
N-Propylbenzene	3.1292 3.3800	4.0816 3.1792	3.5962 2.9302	3.4374	3.4744	Ave		3.4010				10.3		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2834	0.2926 0.2922	0.2613 0.3015	0.2798	0.2642	Ave		0.2822				5.3		20.0			
2-Chlorotoluene	0.7267 0.7013	0.8497 0.6792	0.7483 0.6598	0.6987	0.7117	Ave		0.7219				8.1		20.0			
1,3,5-Trimethylbenzene	2.5863 2.4486	2.9814 2.2984	2.6807 2.1402	2.4672	2.4637	Ave		2.5083				10.1		20.0			
4-Chlorotoluene	2.5411 2.3836	2.8112 2.2811	2.6758 2.1938	2.1686	2.3094	Ave		2.4206				9.6		20.0			
tert-Butylbenzene	0.4948 0.5690	0.6925 0.5424	0.6346 0.5203	0.5757	0.5859	Ave		0.5769				11.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.3899 2.5046	2.9039 2.3665	2.5610 2.2384	2.5082	2.5084	Ave		2.4976				7.8		20.0			
sec-Butylbenzene	3.0392 3.0432	3.6711 2.8105	3.1616 2.6015	3.0650	3.0955	Ave		3.0609				10.0		20.0			
1,3-Dichlorobenzene	1.5347 1.4317	1.6249 1.3523	1.6070 1.3253	1.4665	1.4457	Ave		1.4735			0.6000	7.4		20.0			
4-Isopropyltoluene	2.5918 2.7323	3.1907 2.5211	2.9972 2.3947	2.7838	2.7651	Ave		2.7471				9.3		20.0			
1,4-Dichlorobenzene	1.7454 1.4866	1.7005 1.3993	1.5001 1.3490	1.4921	1.5106	Ave		1.5230			0.5000	8.9		20.0			
n-Butylbenzene	2.1089 2.2421	2.5591 2.0836	2.2486 2.0091	2.2109	2.2641	Ave		2.2158				7.5		20.0			
1,2-Dichlorobenzene	1.3411 1.4055	1.6099 1.2858	1.4482 1.2749	1.3966	1.3896	Ave		1.3940			0.4000	7.6		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1418	0.0836 0.1387	0.1157 0.1544	0.1100	0.1256	Lin1	-0.091	0.1486			0.0500				0.9960		0.9900
1,2,4-Trichlorobenzene	0.7246 0.8028	0.8486 0.7511	0.7917 0.8856	0.7493	0.7704	Ave		0.7905			0.2000	6.9		20.0			
Hexachlorobutadiene	+++++ 0.3986	0.4893 0.3519	0.4210 0.4311	0.4184	0.4180	Ave		0.4183				9.8		20.0			
Naphthalene	2.4297 2.4318	2.1167 2.2362	2.0811 2.5003	2.1584	2.3092	Ave		2.2829				7.0		20.0			
1,2,3-Trichlorobenzene	0.7928 0.7311	0.7792 0.6758	0.7196 0.8600	0.7116	0.7075	Ave		0.7472				8.0		20.0			
Dibromofluoromethane (Surr)	0.9771 1.0557	1.0244 0.9981	1.0089 1.0380	1.0360	1.0206	Ave		1.0199				2.4		20.0			
1,2-Dichloroethane-d4 (Surr)	1.3798 1.3689	1.4251 1.3401	1.4305 1.3765	1.4415	1.3875	Ave		1.3937				2.5		20.0			
Toluene-d8 (Surr)	1.1997 1.1608	1.1951 1.1648	1.1834 1.1839	1.1848	1.1901	Ave		1.1828				1.2		20.0			
4-Bromofluorobenzene (Surr)	0.3575 0.3611	0.3513 0.3603	0.3559 0.3562	0.3639	0.3629	Ave		0.3586				1.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-273985/6	N4027.D
Level 2	IC 480-273985/7	N4028.D
Level 3	IC 480-273985/8	N4029.D
Level 4	IC 480-273985/9	N4030.D
Level 5	IC 480-273985/10	N4031.D
Level 6	ICIS 480-273985/11	N4032.D
Level 7	IC 480-273985/12	N4033.D
Level 8	IC 480-273985/13	N4034.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 160674	5758 320403	12918 574776	32199	63442	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	3415 180468	8275 360939	16110 706605	38702	73847	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 164839	6604 326411	13473 626448	32925	67169	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 175296	6505 336592	14738 617889	32682	70008	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 83629	3002 159418	7464 304712	16275	30900	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	1986 92098	4740 174743	8866 335860	19088	37006	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 206210	9971 402991	17370 783144	42153	81777	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 187094	6656 378022	13767 692858	34537	72458	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	+++++ 149177	8434 307807	13828 606119	31191	61390	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3816 152397	7852 345835	12492 581709	31699	64497	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 128142	6658 259252	11591 494509	25456	51191	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 124281	4144 223587	9748 444773	22972	44598	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 240759	12705 492639	21657 844007	52718	88291	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 211403	9203 404973	17597 813943	38195	82141	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	7600 406491	20536 797054	34905 1537218	78761	160116	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	6237 260258	14407 525905	24260 1016533	52136	108831	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	21737 728279	39383 1545985	62126 +++++	160788	306887	2.50 125	5.00 250	10.0 +++++	25.0	50.0
Methylene Chloride	FB	Lin1	+++++ 144234	10121 280417	16743 547701	31166	61579	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 92171	5143 223545	9134 411850	24253	38040	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	11208 426038	22213 889092	37550 1733038	86076	172942	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	2963 138219	6651 278302	12924 541163	28583	55550	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	+++++ 701193	33731 1443276	56826 2399418	157121	257607	+++++ 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4895 234344	13600 471078	20807 851739	49740	97385	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5775 260430	13695 514586	22462 1009629	52761	105617	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	14451 672789	30998 1455285	53524 2813808	132770	263111	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	2417 113993	5951 220047	9306 417865	21761	45786	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	2992 146394	7389 292364	13788 579340	29879	59573	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 435192	22672 963674	32264 1855124	87482	184125	+++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1528 71139	3580 148300	6332 290007	14347	29742	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 120501	6310 262439	9566 516447	26621	49430	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	5341 233514	11745 472334	21722 926044	47721	98706	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	3466 188976	8590 366266	16474 715336	34944	73687	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 240277	10672 458638	20739 909767	43613	96507	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 158916	7173 326803	13232 636361	28275	60488	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	3458 183785	8835 371876	15836 701208	36013	74751	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 180245	8325 426645	13991 846733	39970	60894	+++++ 625	25.0 1250	50.0 2500	125	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	11888 520255	29131 1058504	47920 2038085	110758	219307	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	+++++ 206967	11832 419009	19074 841436	42979	86841	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5499 245318	15135 501409	23730 954982	53134	100310	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2890 137605	6966 280188	11825 542871	26813	55393	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4222 231368	12125 460436	21014 858670	46840	95871	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	2652 128341	6701 272560	10620 541697	25896	51685	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1776 79092	3553 167392	6068 337614	15974	32737	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	+++++ 25049	+++++ 54923	878 110079	3447	9819	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	3589 153331	6717 339400	11985 701035	28752	60312	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1828 84157	3473 202401	6222 409157	16102	32985	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	3577 190100	8342 419994	14287 859149	36907	77222	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 319742	14071 715743	24401 1424670	64776	128179	+++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	7011 320027	17694 678895	27001 1318407	64241	130335	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 164793	6149 390470	11502 800639	31179	65647	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	3134 156407	6596 374971	11961 767127	29762	62143	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	2122 92739	4070 205572	7323 400753	19394	37084	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	3232 141834	7558 303900	12890 579678	30431	58407	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	4209 190110	9315 420817	16533 827312	38170	80890	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 577746	25151 1305717	43435 2469912	117944	230285	+++++ 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	1789 103687	3951 247219	6751 529084	18554	39038	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	2296 117753	5395 263686	8371 527815	21896	44760	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	7801 340021	17305 729201	30113 1409603	71339	144062	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	2154 117031	5550 256844	8337 520540	21923	46293	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	11581 565724	29563 1199553	50325 2240146	119143	237807	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	4819 230772	11984 507281	19753 961478	45321	94396	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	5387 231263	11734 493547	19330 951383	47631	94366	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	7471 367136	17217 814839	28886 1574702	70180	148885	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	+++++ 57780	2219 144344	3852 +++++	8996	20733	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Isopropylbenzene	DCB	Ave	11314 566841	30352 1195001	47707 2151946	115566	237960	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	3279 144258	6816 314579	12128 607885	29591	61327	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 154322	6596 334368	12436 650878	31797	63686	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1135 54777	2387 114859	4112 218448	10990	21794	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	12105 643739	31650 1356807	55511 2419860	132615	271122	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 53977	2269 124724	4034 248961	10795	20617	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	2811 133573	6589 289869	11551 544922	26955	55537	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	10005 466351	23119 980901	41379 1767483	95184	192248	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	9830 453964	21799 973500	41304 1811758	83665	180207	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	1914 108362	5370 231477	9795 429681	22211	45723	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	9245 477015	22518 1009962	39531 1848581	96766	195735	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	11757 579594	28467 1199466	48802 2148380	118249	241552	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	5937 272685	12600 577127	24806 1094492	56578	112816	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	10026 520384	24742 1075932	46265 1977624	107400	215772	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 273985

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2015 17:26 Calibration End Date: 11/09/2015 20:32 Calibration ID: 25550

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	6752 283140	13186 597196	23156 1114055	57567	117875	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	8158 427020	19844 889244	34709 1659154	85298	176674	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	5188 267691	12484 548747	22354 1052891	53880	108436	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	+++++ 27016	648 59192	1786 127473	4243	9800	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	2803 152892	6580 320569	12221 731377	28908	60113	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	+++++ 75917	3794 150187	6498 356038	16142	32618	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	9399 463162	16414 954343	32124 2064818	83273	180195	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	3067 139249	6042 288408	11108 710208	27452	55212	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	114710 115890	124439 119510	114913 123306	112562	113770	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	161987 150268	173103 160461	162932 163519	156615	154674	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	464608 430897	480809 484451	451131 499183	444320	450763	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	138443 134049	141327 149840	135664 150207	136458	137449	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4027.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 09-Nov-2015 17:26:30 ALS Bottle#: 52 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0048174-006
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:36 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: fortaing Date: 10-Nov-2015 01:19:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.598	5.599	-0.001	98	117395	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	387262	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.971	0.000	96	193421	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	94	114710	25.0	24.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	161987	25.0	24.8	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	464608	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	138443	25.0	24.9	
11 Dichlorodifluoromethane	85	1.376	1.370	0.006	1	1517	0.5000	0.2376	
13 Chloromethane	50	1.535	1.541	-0.006	93	3415	0.5000	0.4475	
14 Vinyl chloride	62	1.644	1.650	-0.006	82	2585	0.5000	0.3837	
144 Butadiene	54	1.681	1.681	0.000	58	2439	0.5000	0.3519	
15 Bromomethane	94	1.985	1.973	0.012	0	1359	0.5000	0.4095	M
16 Chloroethane	64	2.076	2.082	-0.006	19	1986	0.5000	0.4992	M
17 Dichlorofluoromethane	67	2.301	2.301	0.000	92	3354	0.5000	0.3863	
18 Trichlorofluoromethane	101	2.301	2.313	-0.012	48	1000	0.5000	0.1376	
19 Ethyl ether	59	2.599	2.599	0.000	94	4024	0.5000	0.6007	
20 Acrolein	56	2.764	2.764	0.000	1	3816	2.50	2.81	M
22 1,1-Dichloroethene	96	2.837	2.818	0.019	81	1956	0.5000	0.3533	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.831	0.006	1	1092	0.5000	0.2332	M
23 Acetone	43	2.922	2.922	0.000	95	9012	2.50	4.35	
24 Iodomethane	142	2.970	2.977	-0.007	89	3642	0.5000	0.4256	
25 Carbon disulfide	76	3.031	3.025	0.006	94	7600	0.5000	0.4499	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	86	6237	0.5000	0.5358	
28 Methyl acetate	43	3.232	3.232	0.000	99	21737	2.50	3.14	
30 Methylene Chloride	84	3.323	3.329	-0.006	97	6989	0.5000	0.2638	
31 2-Methyl-2-propanol	59	3.487	3.488	-0.001	45	3745	5.00	8.37	
32 Methyl tert-butyl ether	73	3.567	3.554	0.013	98	11208	0.5000	0.5867	
33 trans-1,2-Dichloroethene	96	3.567	3.573	-0.006	76	2963	0.5000	0.4963	
34 Acrylonitrile	53	3.597	3.591	0.006	99	19589	5.00	6.69	
35 Hexane	57	3.786	3.786	0.000	93	4895	0.5000	0.4756	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	91	5775	0.5000	0.5128	
39 Vinyl acetate	43	4.035	4.035	0.000	98	14451	1.00	1.01	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	74	2417	0.5000	0.5058	
43 cis-1,2-Dichloroethene	96	4.540	4.534	0.006	82	2992	0.5000	0.4723	
44 2-Butanone (MEK)	43	4.570	4.564	0.006	97	11896	2.50	3.14	
47 Chlorobromomethane	128	4.771	4.771	0.000	81	1528	0.5000	0.4923	
49 Tetrahydrofuran	42	4.814	4.802	0.012	1	3351	1.00	1.25	M
50 Chloroform	83	4.844	4.850	-0.006	89	5341	0.5000	0.5189	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	89	3466	0.5000	0.4518	
52 Cyclohexane	56	5.002	5.002	0.000	33	4128	0.5000	0.4197	
53 Carbon tetrachloride	117	5.124	5.124	0.000	65	2831	0.5000	0.4334	
54 1,1-Dichloropropene	75	5.136	5.130	0.006	88	3458	0.5000	0.4509	
56 Isobutyl alcohol	43	5.355	5.319	0.036	40	3374	12.5	10.8	
55 Benzene	78	5.331	5.331	0.000	92	11888	0.5000	0.5091	
57 1,2-Dichloroethane	62	5.379	5.380	-0.001	93	5701	0.5000	0.6132	
59 n-Heptane	43	5.532	5.532	0.000	93	5499	0.5000	0.4906	
60 Trichloroethene	95	5.945	5.945	0.000	88	2890	0.5000	0.4921	
62 Methylcyclohexane	83	6.073	6.085	-0.012	90	4222	0.5000	0.4296	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	76	2652	0.5000	0.4770	
64 Dibromomethane	93	6.310	6.304	0.006	88	1776	0.5000	0.5259	
66 1,4-Dioxane	88		6.322				ND	ND	
67 Dichlorobromomethane	83	6.462	6.462	0.000	92	3589	0.5000	0.5463	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	83	1828	0.5000	0.5081	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	3577	0.5000	0.4503	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.022	0.000	97	7383	2.50	2.80	
73 Toluene	92	7.180	7.180	0.000	96	7011	0.5000	0.5124	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	88	2680	0.5000	0.4042	
77 Ethyl methacrylate	69	7.497	7.497	0.000	87	3134	0.5000	0.4845	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	87	2122	0.5000	0.5466	
79 Tetrachloroethene	166	7.722	7.728	-0.006	86	3232	0.5000	0.5229	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	94	4209	0.5000	0.5156	
82 2-Hexanone	43	7.862	7.862	0.000	96	13713	2.50	2.90	
83 Chlorodibromomethane	129	8.038	8.038	0.000	84	1789	0.5000	0.4414	
84 Ethylene Dibromide	107	8.135	8.141	-0.006	93	2296	0.5000	0.4858	
85 Chlorobenzene	112	8.628	8.628	0.000	95	7801	0.5000	0.5301	
89 1,1,1,2-Tetrachloroethane	131	8.732	8.726	0.006	44	2154	0.5000	0.4584	
88 Ethylbenzene	91	8.725	8.726	-0.001	96	11581	0.5000	0.4810	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	4819	0.5000	0.4935	
91 o-Xylene	106	9.279	9.273	0.006	91	5387	0.5000	0.5458	
92 Styrene	104	9.303	9.303	0.000	92	7471	0.5000	0.4945	
93 Bromoform	173	9.535	9.541	-0.006	1	933	0.5000	0.4251	
95 Isopropylbenzene	105	9.656	9.656	0.000	95	11314	0.5000	0.4803	
97 Bromobenzene	156	9.991	9.991	0.000	93	3279	0.5000	0.5385	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	87	3562	0.5000	0.5675	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	70	1135	0.5000	0.5209	
100 N-Propylbenzene	91	10.076	10.076	0.000	97	12105	0.5000	0.4600	
101 trans-1,4-Dichloro-2-buten	53	10.070	10.076	-0.006	42	758	0.5000	0.3472	
102 2-Chlorotoluene	126	10.179	10.179	0.000	94	2811	0.5000	0.5033	
104 1,3,5-Trimethylbenzene	105	10.259	10.252	0.006	94	10005	0.5000	0.5156	
105 4-Chlorotoluene	91	10.289	10.289	0.000	96	9830	0.5000	0.5249	
106 tert-Butylbenzene	134	10.569	10.569	0.000	91	1914	0.5000	0.4288	
108 1,2,4-Trimethylbenzene	105	10.624	10.624	0.000	94	9245	0.5000	0.4784	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	93	11757	0.5000	0.4965	
110 1,3-Dichlorobenzene	146	10.909	10.910	-0.001	77	5937	0.5000	0.5208	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	96	10026	0.5000	0.4717	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	90	6752	0.5000	0.5730	
115 n-Butylbenzene	91	11.293	11.299	-0.006	97	8158	0.5000	0.4759	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	93	5188	0.5000	0.4810	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	ND	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	83	2803	0.5000	0.4583	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	71	1296	0.5000	0.4004	
121 Naphthalene	128	12.960	12.960	0.000	94	9399	0.5000	0.5321	
122 1,2,3-Trichlorobenzene	180	13.166	13.160	0.006	92	3067	0.5000	0.5305	
S 125 Total BTEX	1				0			2.54	
S 126 Xylenes, Total	1				0			1.04	
S 123 1,3-Dichloropropene, Total	1				0			0.8545	
S 124 1,2-Dichloroethene, Total	1				0			0.9686	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00058	Amount Added:	0.50	Units: uL	
GAS CORP mix_00119	Amount Added:	0.50	Units: uL	
N_8260_Surr_00155	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added:	1.00	Units: uL	Run Reagent

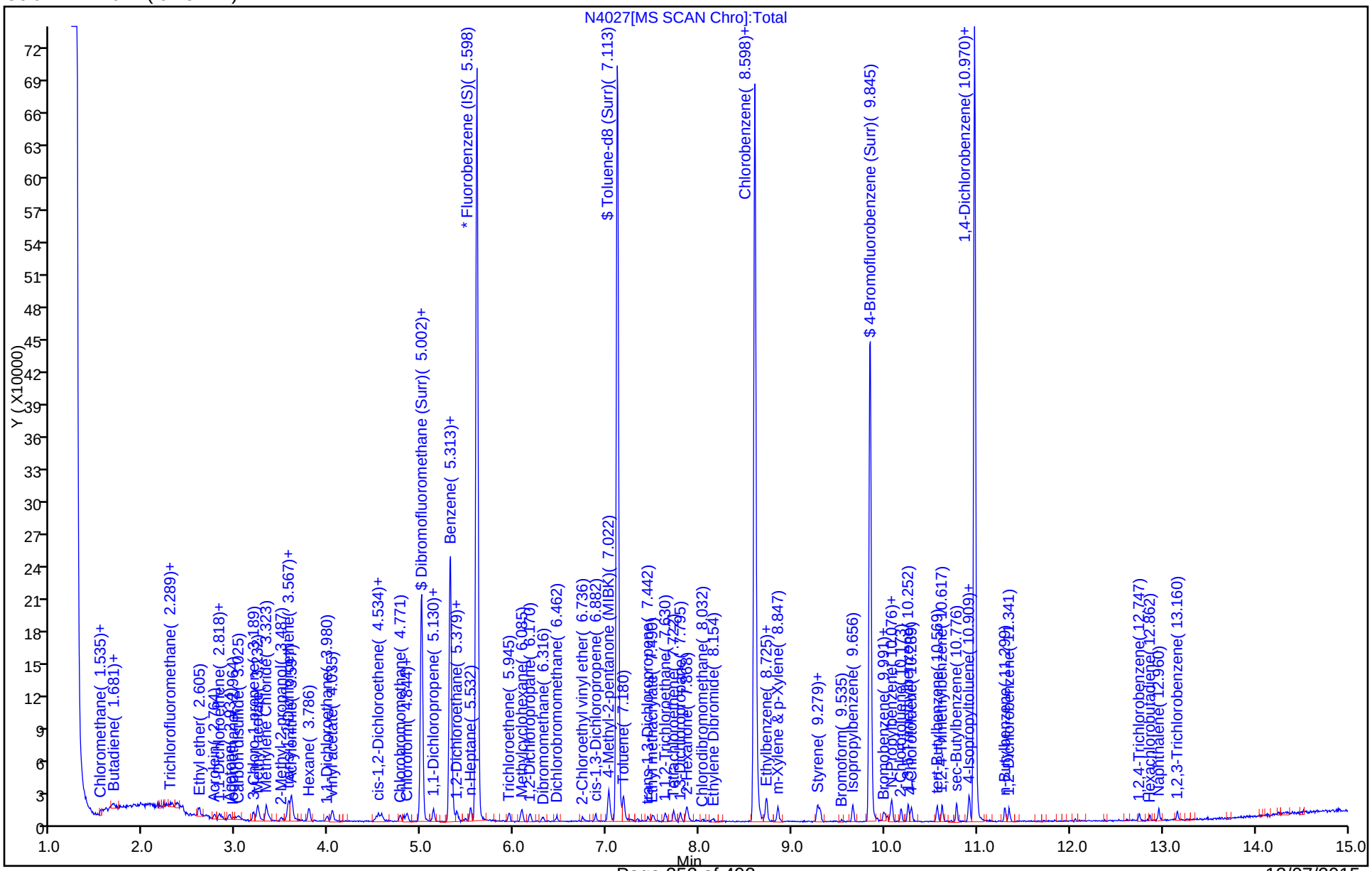
Report Date: 10-Nov-2015 11:26:37 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4027.D

Injection Date:	09-Nov-2015 17:26:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	52
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

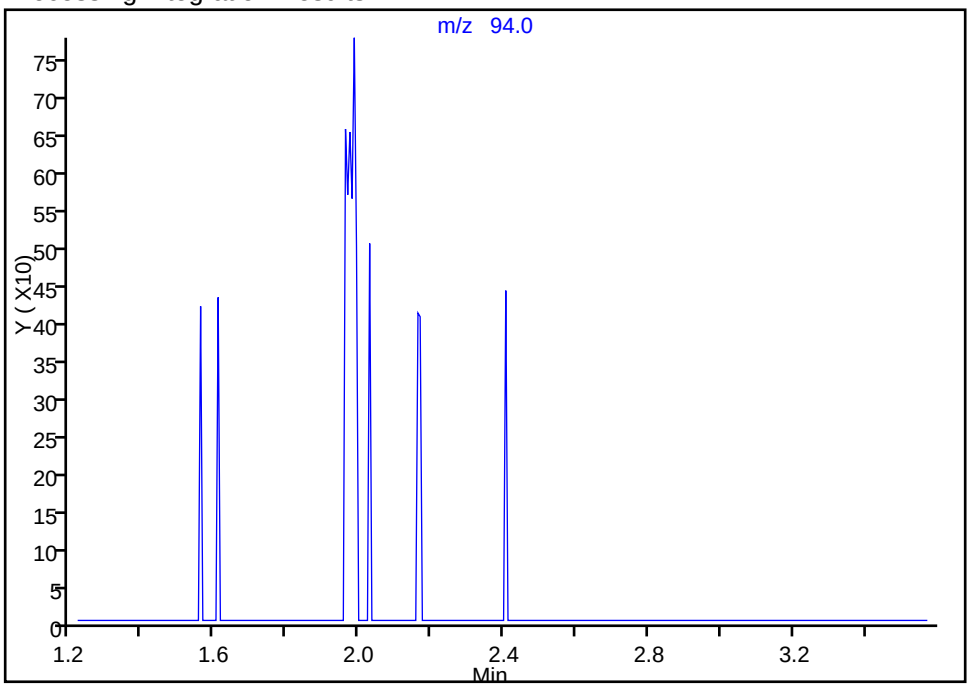
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4027.D
Injection Date: 09-Nov-2015 17:26:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

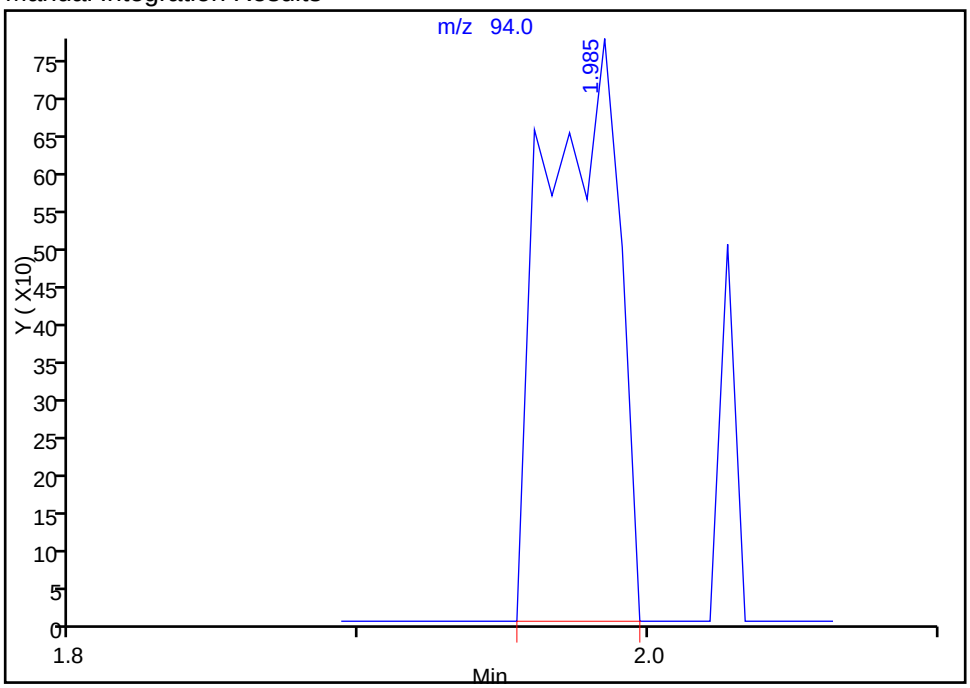
Not Detected
Expected RT: 1.97

Processing Integration Results



Manual Integration Results

RT: 1.98
Area: 1359
Amount: 0.409450
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:44:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

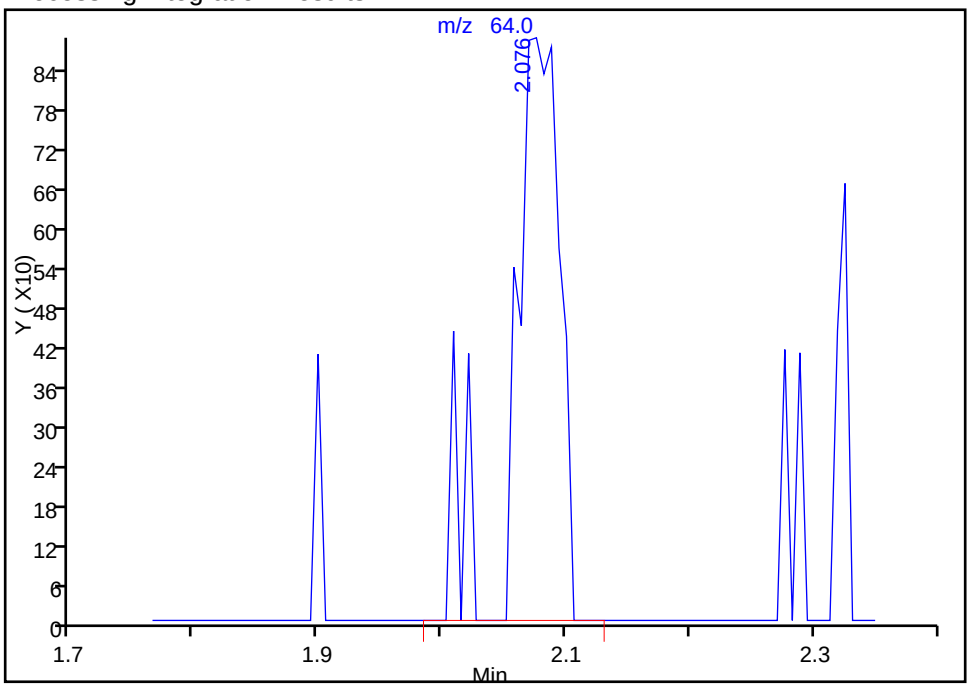
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4027.D
Injection Date: 09-Nov-2015 17:26:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

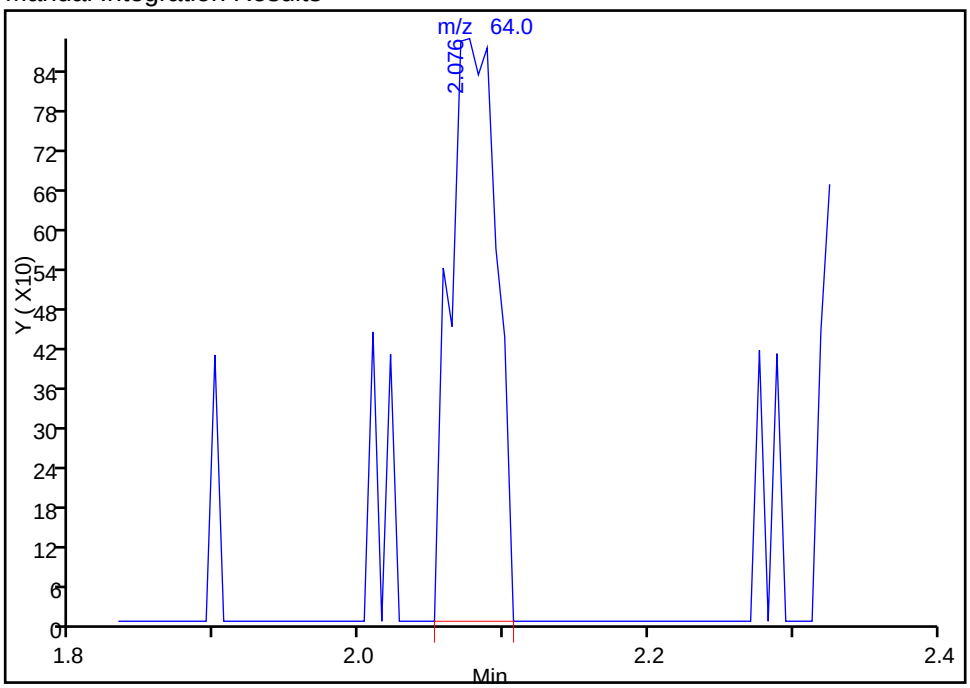
Processing Integration Results

RT: 2.08
Area: 2294
Amount: 0.565629
Amount Units: ug/L



Manual Integration Results

RT: 2.08
Area: 1986
Amount: 0.499163
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:44:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

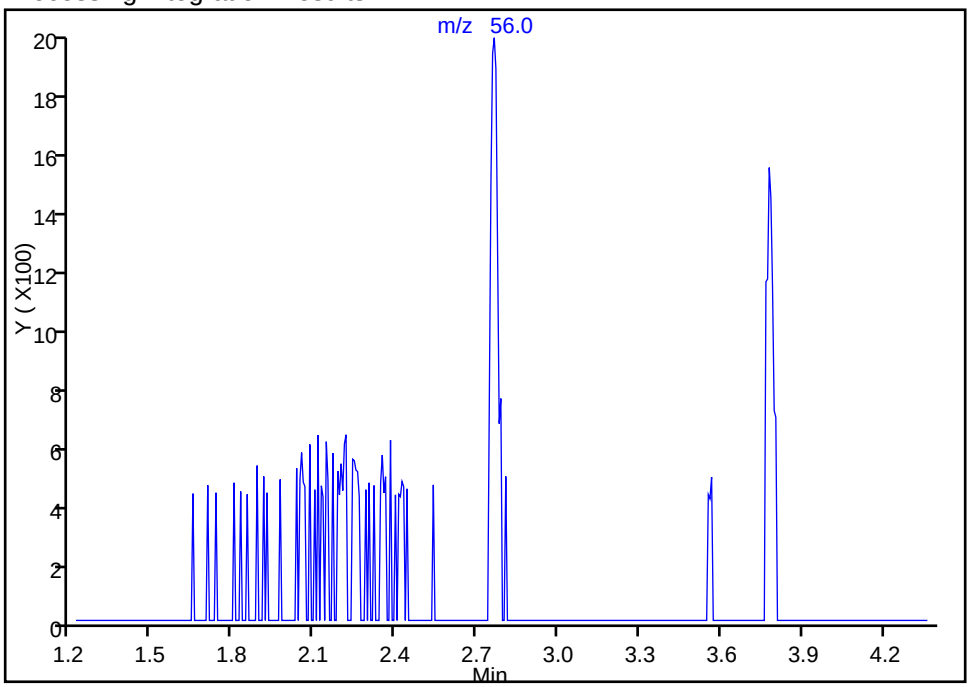
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4027.D
Injection Date: 09-Nov-2015 17:26:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

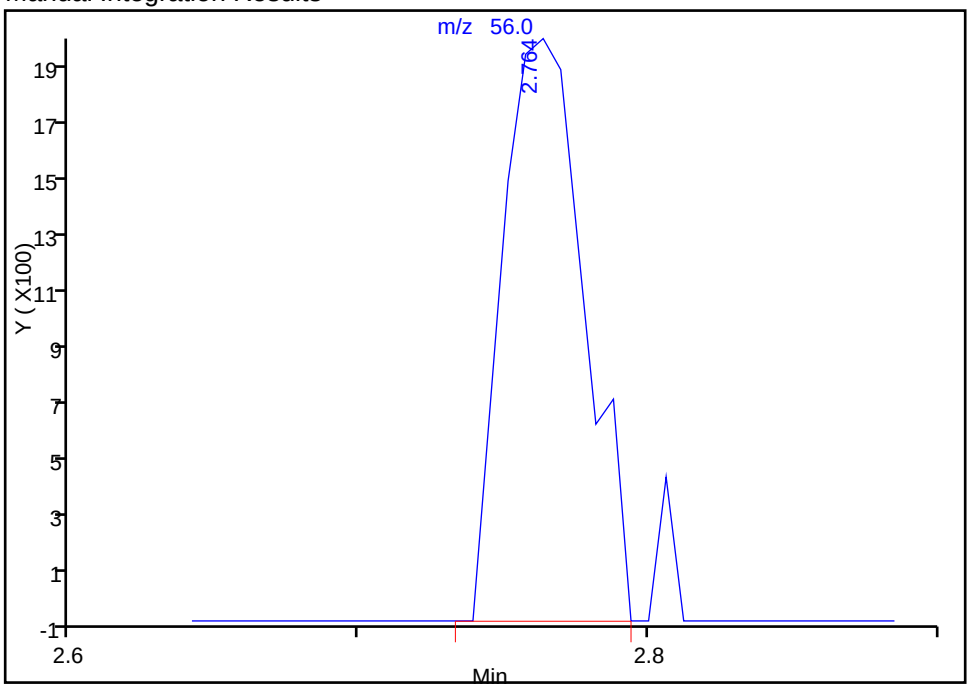
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 3816
Amount: 2.808479
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:44:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

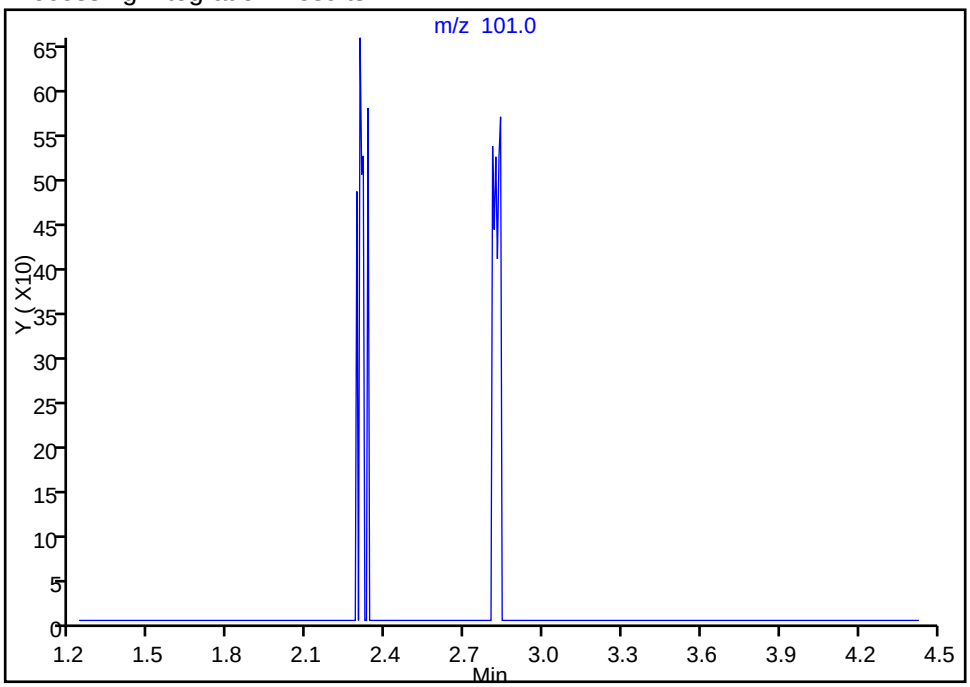
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4027.D
Injection Date: 09-Nov-2015 17:26:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

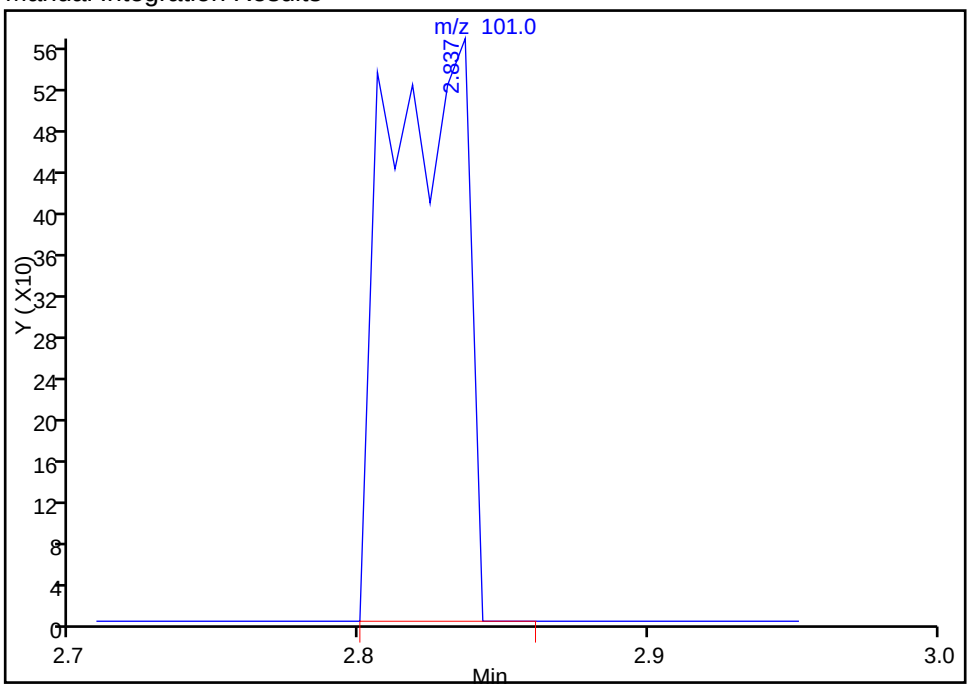
Not Detected
Expected RT: 2.83

Processing Integration Results



Manual Integration Results

RT: 2.84
Area: 1092
Amount: 0.233152
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:44:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

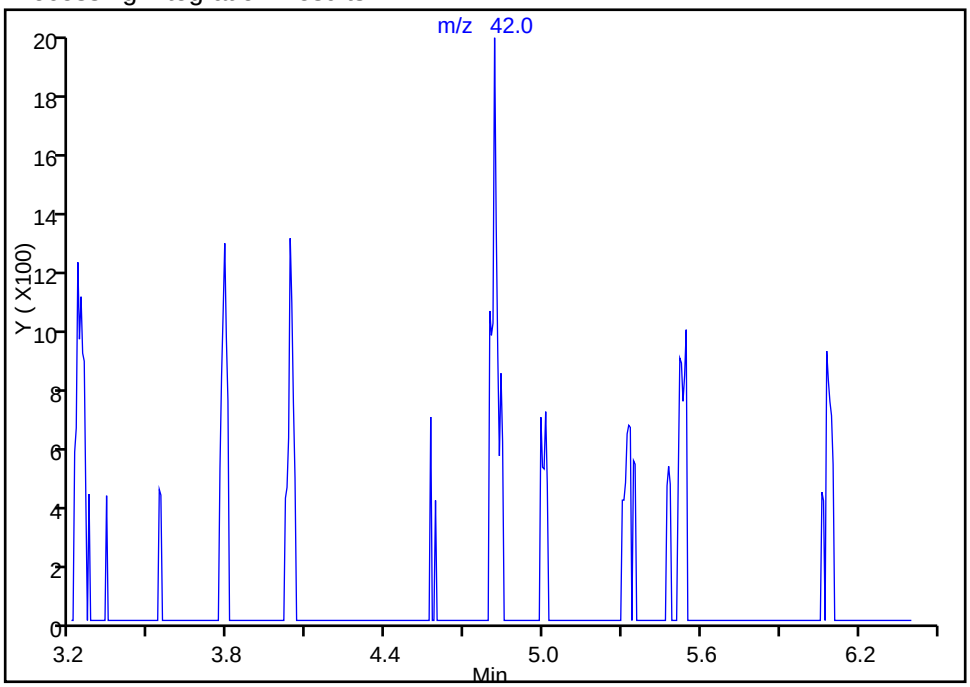
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4027.D
Injection Date: 09-Nov-2015 17:26:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

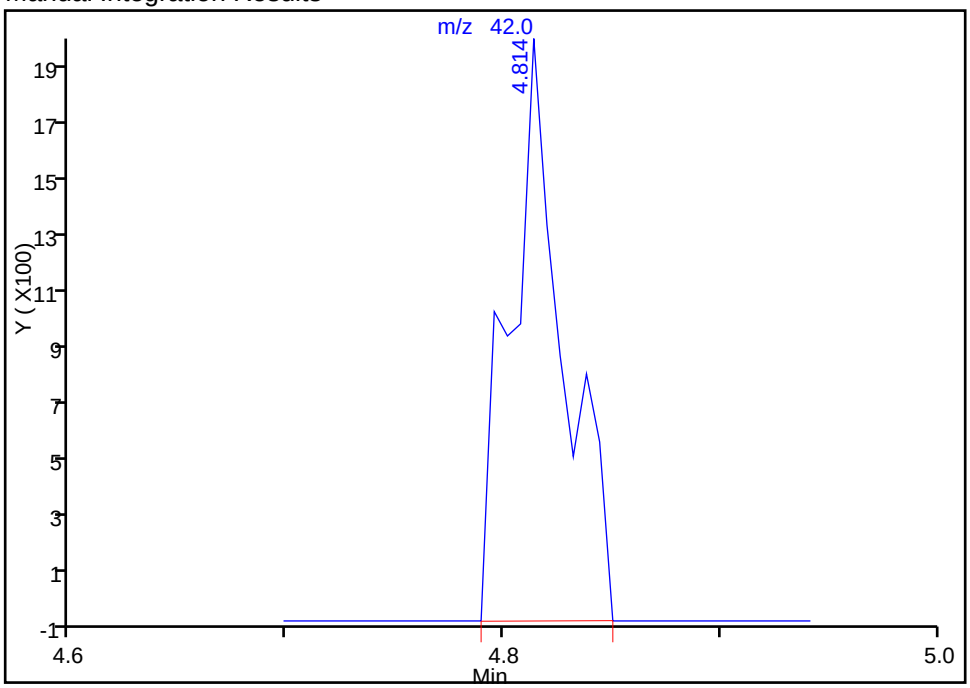
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.81
Area: 3351
Amount: 1.254693
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:44:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4028.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 09-Nov-2015 17:53:30 ALS Bottle#: 53 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0048174-007
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:39 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: fortaing Date: 10-Nov-2015 01:24:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	121471	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	89	402325	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.971	0.000	96	193859	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	93	124439	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	173103	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	480809	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	90	141327	25.0	24.5	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	97	5758	1.00	0.8715	
13 Chloromethane	50	1.541	1.541	0.000	98	8275	1.00	1.05	
14 Vinyl chloride	62	1.650	1.650	0.000	94	6604	1.00	0.9474	
144 Butadiene	54	1.687	1.681	0.006	98	6505	1.00	0.9069	
15 Bromomethane	94	1.973	1.973	0.000	79	3002	1.00	0.8741	
16 Chloroethane	64	2.082	2.082	0.000	91	4740	1.00	1.15	
17 Dichlorofluoromethane	67	2.307	2.301	0.006	94	9971	1.00	1.11	
18 Trichlorofluoromethane	101	2.313	2.313	0.000	70	6656	1.00	0.8849	
19 Ethyl ether	59	2.599	2.599	0.000	95	8434	1.00	1.22	
20 Acrolein	56	2.758	2.764	-0.006	97	7852	5.00	5.58	
22 1,1-Dichloroethene	96	2.824	2.818	0.006	95	6658	1.00	1.16	
21 1,1,2-Trichloro-1,2,2-trif	101	2.849	2.831	0.018	68	4144	1.00	0.8551	
23 Acetone	43	2.922	2.922	0.000	98	12705	5.00	5.93	
24 Iodomethane	142	2.983	2.977	0.006	93	9203	1.00	1.04	
25 Carbon disulfide	76	3.031	3.025	0.006	99	20536	1.00	1.18	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	88	14407	1.00	1.20	
28 Methyl acetate	43	3.232	3.232	0.000	98	39383	5.00	5.50	
30 Methylene Chloride	84	3.329	3.329	0.000	95	10121	1.00	0.7735	
31 2-Methyl-2-propanol	59	3.481	3.488	-0.007	95	5143	10.0	11.1	M
32 Methyl tert-butyl ether	73	3.567	3.554	0.013	98	22213	1.00	1.12	
33 trans-1,2-Dichloroethene	96	3.573	3.573	0.000	88	6651	1.00	1.08	
34 Acrylonitrile	53	3.597	3.591	0.006	98	33731	10.0	11.1	
35 Hexane	57	3.786	3.786	0.000	94	13600	1.00	1.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.986	3.980	0.006	94	13695	1.00	1.18	
39 Vinyl acetate	43	4.035	4.035	0.000	98	30998	2.00	2.10	
42 2,2-Dichloropropane	77	4.516	4.510	0.006	84	5951	1.00	1.20	
43 cis-1,2-Dichloroethene	96	4.540	4.534	0.006	85	7389	1.00	1.13	
44 2-Butanone (MEK)	43	4.564	4.564	0.000	99	22672	5.00	5.78	
47 Chlorobromomethane	128	4.777	4.771	0.006	94	3580	1.00	1.11	
49 Tetrahydrofuran	42	4.808	4.802	0.006	85	6310	2.00	2.28	
50 Chloroform	83	4.844	4.850	-0.006	52	11745	1.00	1.10	M
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	95	8590	1.00	1.08	
52 Cyclohexane	56	4.996	5.002	-0.006	35	10672	1.00	1.05	
53 Carbon tetrachloride	117	5.124	5.124	0.000	74	7173	1.00	1.06	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	86	8835	1.00	1.11	
56 Isobutyl alcohol	43	5.331	5.319	0.012	36	8325	25.0	25.7	
55 Benzene	78	5.337	5.331	0.006	94	29131	1.00	1.21	
57 1,2-Dichloroethane	62	5.386	5.380	0.006	97	11832	1.00	1.23	
59 n-Heptane	43	5.532	5.532	0.000	95	15135	1.00	1.31	
60 Trichloroethene	95	5.945	5.945	0.000	93	6966	1.00	1.15	
62 Methylcyclohexane	83	6.085	6.085	0.000	93	12125	1.00	1.19	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	90	6701	1.00	1.16	
64 Dibromomethane	93	6.310	6.304	0.006	90	3553	1.00	1.02	
66 1,4-Dioxane	88		6.322				ND	ND	
67 Dichlorobromomethane	83	6.462	6.462	0.000	92	6717	1.00	0.9882	
69 2-Chloroethyl vinyl ether	63	6.742	6.736	0.006	88	3473	1.00	0.9329	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	8342	1.00	1.01	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.022	0.000	98	14071	5.00	5.14	
73 Toluene	92	7.180	7.180	0.000	97	17694	1.00	1.24	
75 trans-1,3-Dichloropropene	75	7.448	7.442	0.006	96	6149	1.00	0.8926	
77 Ethyl methacrylate	69	7.497	7.497	0.000	90	6596	1.00	0.9815	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	90	4070	1.00	1.01	
79 Tetrachloroethene	166	7.728	7.728	0.000	93	7558	1.00	1.18	
80 1,3-Dichloropropane	76	7.801	7.795	0.006	96	9315	1.00	1.10	
82 2-Hexanone	43	7.862	7.862	0.000	98	25151	5.00	5.13	
83 Chlorodibromomethane	129	8.038	8.038	0.000	89	3951	1.00	0.9383	
84 Ethylene Dibromide	107	8.148	8.141	0.007	96	5395	1.00	1.10	
85 Chlorobenzene	112	8.628	8.628	0.000	92	17305	1.00	1.13	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.726	-0.007	43	5550	1.00	1.14	
88 Ethylbenzene	91	8.726	8.726	0.000	98	29563	1.00	1.18	
90 m-Xylene & p-Xylene	106	8.853	8.847	0.006	0	11984	1.00	1.18	
91 o-Xylene	106	9.273	9.273	0.000	94	11734	1.00	1.14	
92 Styrene	104	9.303	9.303	0.000	94	17217	1.00	1.10	
93 Bromoform	173	9.541	9.541	0.000	83	2219	1.00	0.9731	
95 Isopropylbenzene	105	9.656	9.656	0.000	95	30352	1.00	1.29	
97 Bromobenzene	156	9.991	9.991	0.000	94	6816	1.00	1.12	
98 1,1,2,2-Tetrachloroethane	83	10.021	10.027	-0.006	91	6596	1.00	1.05	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	34	2387	1.00	1.09	
100 N-Propylbenzene	91	10.076	10.076	0.000	99	31650	1.00	1.20	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	1	2269	1.00	1.04	M
102 2-Chlorotoluene	126	10.180	10.179	0.001	95	6589	1.00	1.18	
104 1,3,5-Trimethylbenzene	105	10.253	10.252	0.001	94	23119	1.00	1.19	
105 4-Chlorotoluene	91	10.283	10.289	-0.006	97	21799	1.00	1.16	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	5370	1.00	1.20	
108 1,2,4-Trimethylbenzene	105	10.618	10.624	-0.006	97	22518	1.00	1.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	28467	1.00	1.20	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	95	12600	1.00	1.10	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	96	24742	1.00	1.16	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	95	13186	1.00	1.12	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	19844	1.00	1.15	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	96	12484	1.00	1.15	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	1	648	1.00	1.18	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	90	6580	1.00	1.07	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	90	3794	1.00	1.17	
121 Naphthalene	128	12.954	12.960	-0.006	97	16414	1.00	0.9272	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	93	6042	1.00	1.04	
S 125 Total BTEX	1				0			5.96	
S 126 Xylenes, Total	1				0			2.33	
S 123 1,3-Dichloropropene, Total	1				0			1.91	
S 124 1,2-Dichloroethene, Total	1				0			2.20	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00058	Amount Added:	1.00	Units: uL	
GAS CORP mix_00119	Amount Added:	1.00	Units: uL	
N_8260_Surr_00155	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added:	1.00	Units: uL	Run Reagent

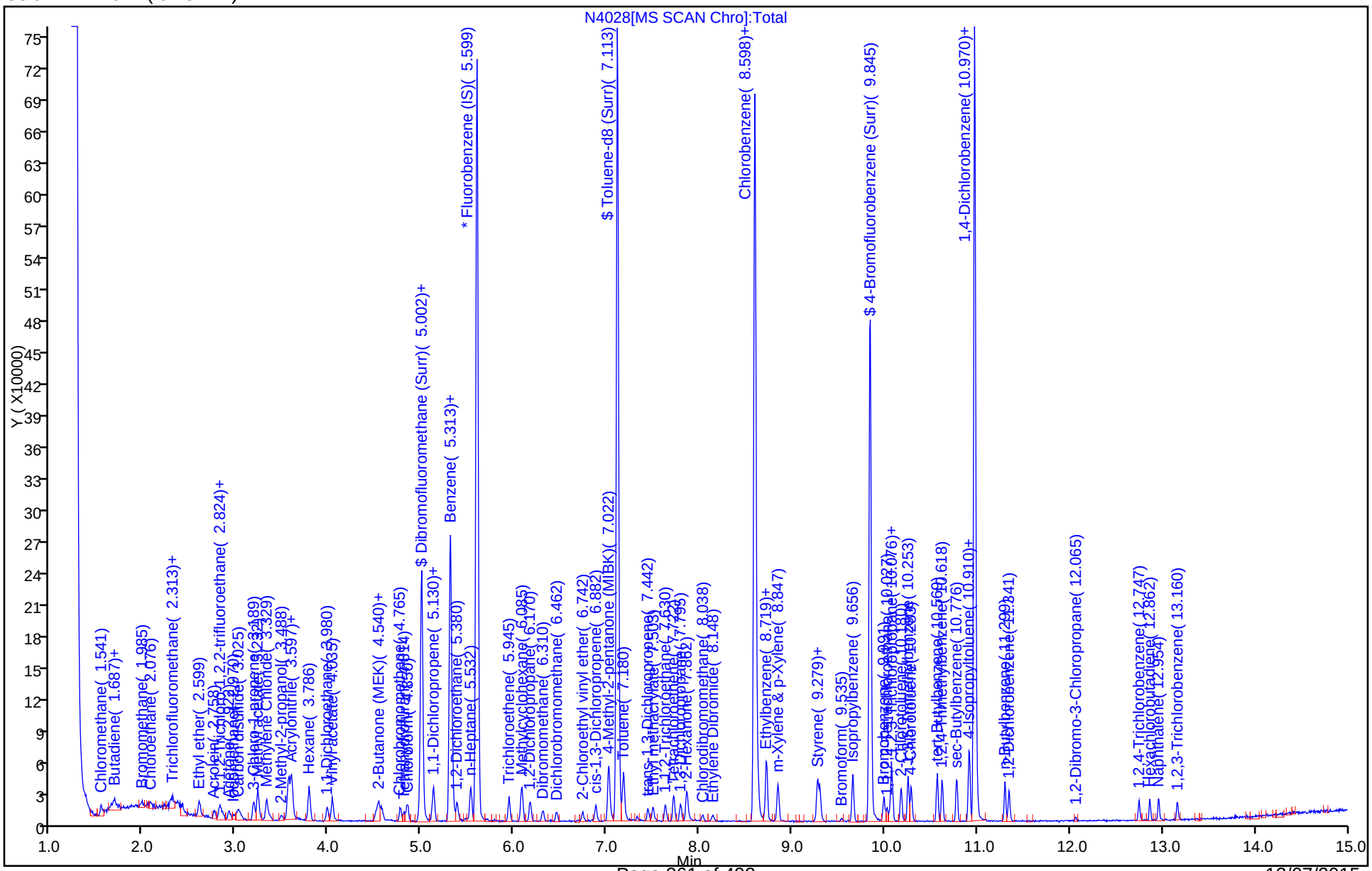
Report Date: 10-Nov-2015 11:26:41 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4028.D

Injection Date:	09-Nov-2015 17:53:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

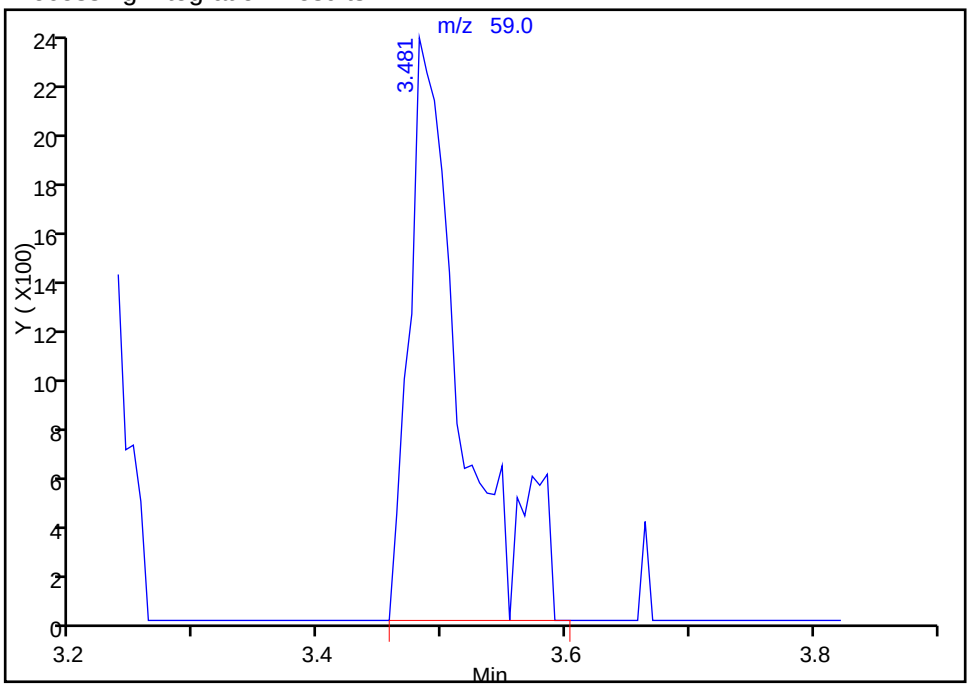
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4028.D
Injection Date: 09-Nov-2015 17:53:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 53 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

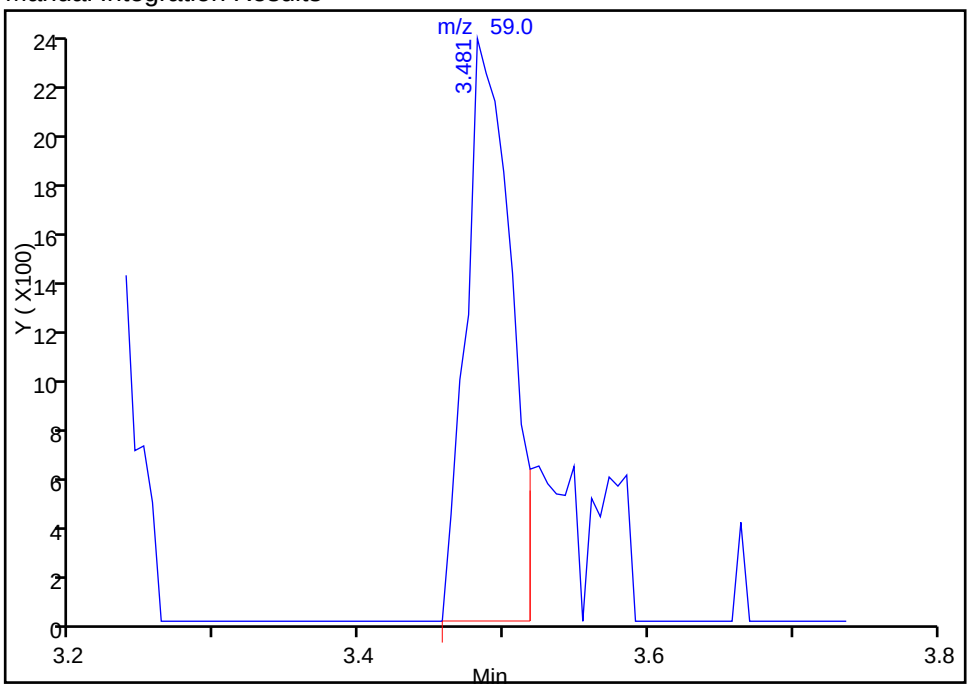
Processing Integration Results

RT: 3.48
Area: 7165
Amount: 11.974854
Amount Units: ug/L



Manual Integration Results

RT: 3.48
Area: 5143
Amount: 11.108531
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:45:55
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

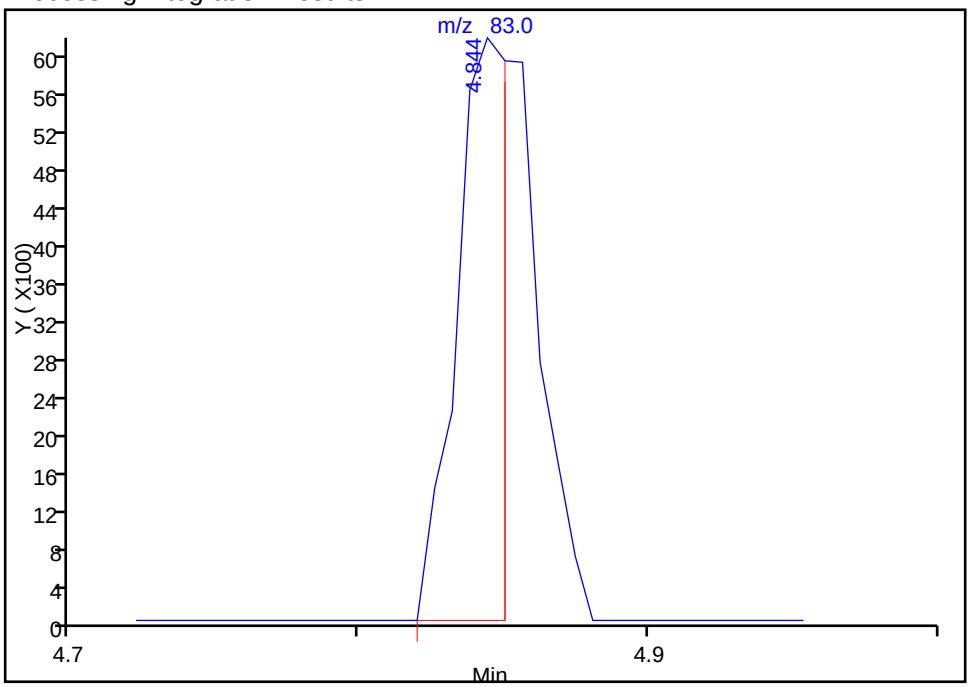
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4028.D
Injection Date: 09-Nov-2015 17:53:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 53 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3

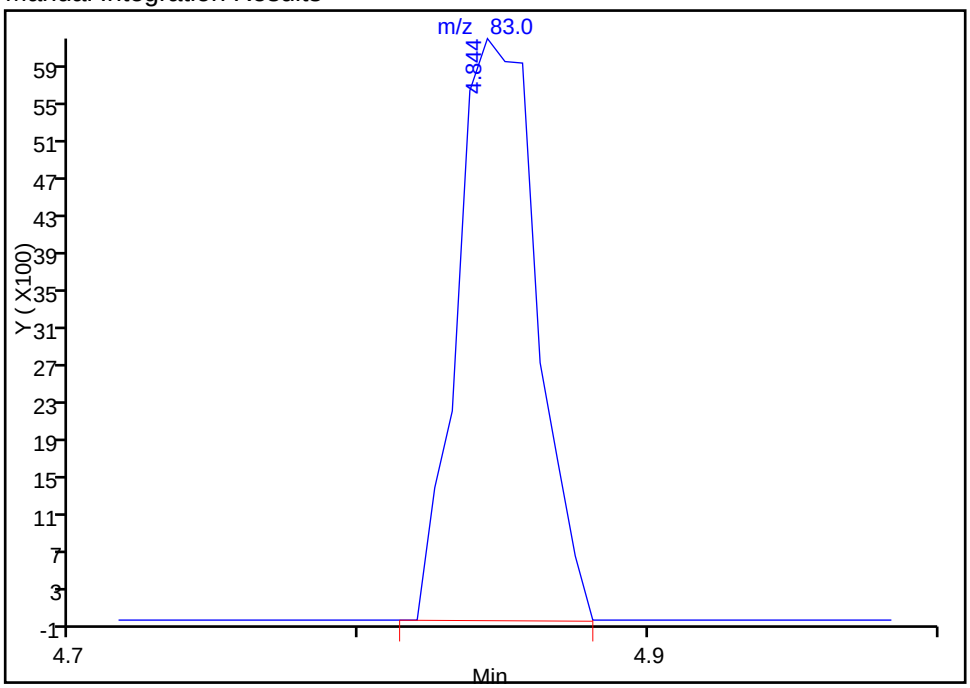
Processing Integration Results

RT: 4.84
Area: 7727
Amount: 0.761490
Amount Units: ug/L



Manual Integration Results

RT: 4.84
Area: 11745
Amount: 1.102873
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:45:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

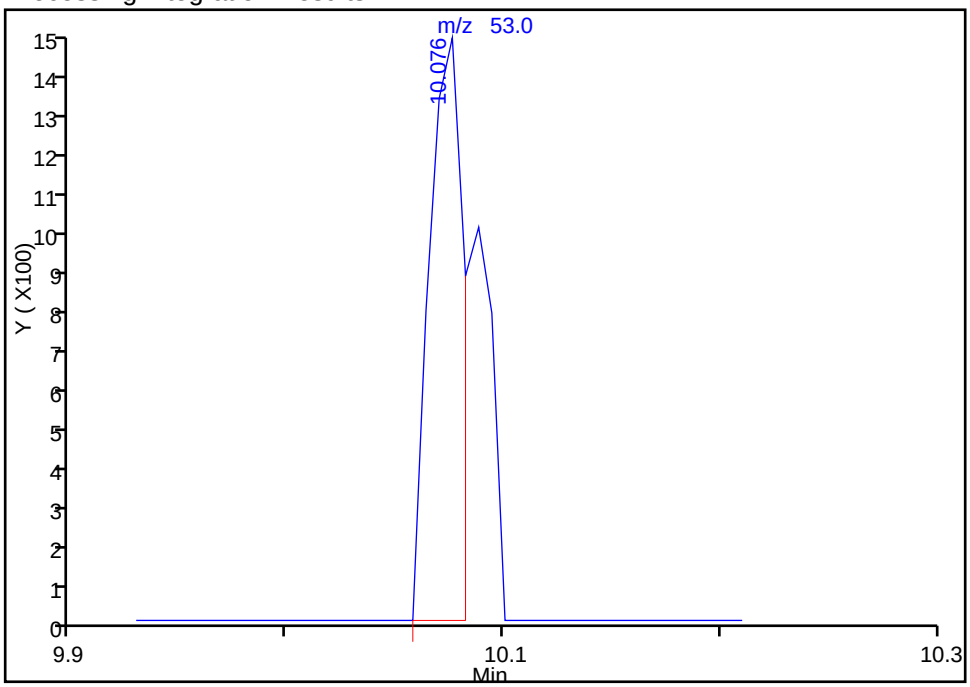
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4028.D
Injection Date: 09-Nov-2015 17:53:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 53 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

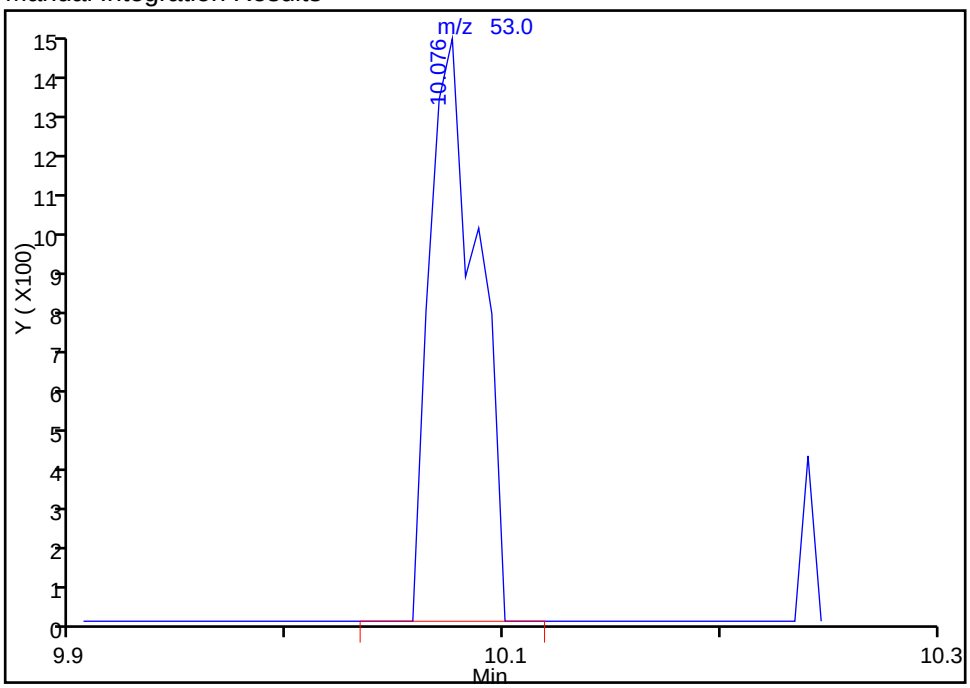
Processing Integration Results

RT: 10.08
Area: 1623
Amount: 0.802030
Amount Units: ug/L



Manual Integration Results

RT: 10.08
Area: 2269
Amount: 1.037054
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:45:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4029.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 09-Nov-2015 18:19:30 ALS Bottle#: 54 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0048174-008
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:42 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: fortaing Date: 10-Nov-2015 01:27:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.593	5.599	-0.006	98	113899	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	381207	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.971	0.000	96	192950	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	5.002	-0.006	95	114913	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.313	-0.006	0	162932	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	451131	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	135664	25.0	24.8	
11 Dichlorodifluoromethane	85	1.371	1.370	0.001	98	12918	2.00	2.09	
13 Chloromethane	50	1.535	1.541	-0.006	99	16110	2.00	2.18	
14 Vinyl chloride	62	1.650	1.650	0.000	96	13473	2.00	2.06	
144 Butadiene	54	1.681	1.681	0.000	94	14738	2.00	2.19	
15 Bromomethane	94	1.967	1.973	-0.006	87	7464	2.00	2.32	
16 Chloroethane	64	2.076	2.082	-0.006	95	8866	2.00	2.30	
17 Dichlorofluoromethane	67	2.295	2.301	-0.006	94	17370	2.00	2.06	
18 Trichlorofluoromethane	101	2.307	2.313	-0.006	60	13767	2.00	1.95	
19 Ethyl ether	59	2.599	2.599	0.000	95	13828	2.00	2.13	
20 Acrolein	56	2.758	2.764	-0.006	98	12492	10.0	9.48	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	97	11591	2.00	2.16	
21 1,1,2-Trichloro-1,2,2-trif	101	2.831	2.831	0.000	82	9748	2.00	2.15	
23 Acetone	43	2.922	2.922	0.000	98	21657	10.0	10.8	
24 Iodomethane	142	2.977	2.977	0.000	98	17597	2.00	2.12	
25 Carbon disulfide	76	3.019	3.025	-0.006	99	34905	2.00	2.13	
27 3-Chloro-1-propene	41	3.183	3.189	-0.006	85	24260	2.00	2.15	
28 Methyl acetate	43	3.232	3.232	0.000	99	62126	10.0	9.26	
30 Methylene Chloride	84	3.323	3.329	-0.006	94	16743	2.00	2.14	
31 2-Methyl-2-propanol	59	3.482	3.488	-0.006	94	9134	20.0	21.0	M
32 Methyl tert-butyl ether	73	3.561	3.554	0.007	98	37550	2.00	2.03	
33 trans-1,2-Dichloroethene	96	3.567	3.573	-0.006	98	12924	2.00	2.23	
34 Acrylonitrile	53	3.597	3.591	0.006	99	56826	20.0	20.0	
35 Hexane	57	3.786	3.786	0.000	93	20807	2.00	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	22462	2.00	2.06	
39 Vinyl acetate	43	4.035	4.035	0.000	98	53524	4.00	3.87	
42 2,2-Dichloropropane	77	4.516	4.510	0.006	83	9306	2.00	2.01	
43 cis-1,2-Dichloroethene	96	4.528	4.534	-0.006	83	13788	2.00	2.24	
44 2-Butanone (MEK)	43	4.564	4.564	0.000	99	32264	10.0	8.77	
47 Chlorobromomethane	128	4.771	4.771	0.000	95	6332	2.00	2.10	
49 Tetrahydrofuran	42	4.802	4.802	0.000	82	9566	4.00	3.69	
50 Chloroform	83	4.844	4.850	-0.006	96	21722	2.00	2.18	
51 1,1,1-Trichloroethane	97	4.972	4.978	-0.006	97	16474	2.00	2.21	
52 Cyclohexane	56	5.002	5.002	0.000	39	20739	2.00	2.17	
53 Carbon tetrachloride	117	5.124	5.124	0.000	89	13232	2.00	2.09	
54 1,1-Dichloropropene	75	5.136	5.130	0.006	90	15836	2.00	2.13	
56 Isobutyl alcohol	43	5.325	5.319	0.006	36	13991	50.0	46.1	M
55 Benzene	78	5.331	5.331	0.000	95	47920	2.00	2.12	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	19074	2.00	2.11	
59 n-Heptane	43	5.526	5.532	-0.006	93	23730	2.00	2.18	
60 Trichloroethene	95	5.945	5.945	0.000	95	11825	2.00	2.08	
62 Methylcyclohexane	83	6.079	6.085	-0.006	95	21014	2.00	2.20	
63 1,2-Dichloropropane	63	6.177	6.170	0.007	83	10620	2.00	1.97	
64 Dibromomethane	93	6.310	6.304	0.006	92	6068	2.00	1.85	
66 1,4-Dioxane	88	6.329	6.322	0.007	0	878	40.0	39.3	M
67 Dichlorobromomethane	83	6.456	6.462	-0.006	98	11985	2.00	1.88	
69 2-Chloroethyl vinyl ether	63	6.742	6.736	0.006	92	6222	2.00	1.78	
71 cis-1,3-Dichloropropene	75	6.876	6.882	-0.006	90	14287	2.00	1.85	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.022	0.000	99	24401	10.0	9.41	
73 Toluene	92	7.180	7.180	0.000	97	27001	2.00	2.00	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	94	11502	2.00	1.76	
77 Ethyl methacrylate	69	7.497	7.497	0.000	93	11961	2.00	1.88	
78 1,1,2-Trichloroethane	83	7.637	7.630	0.007	92	7323	2.00	1.92	
79 Tetrachloroethene	166	7.722	7.728	-0.006	96	12890	2.00	2.12	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	95	16533	2.00	2.06	
82 2-Hexanone	43	7.868	7.862	0.006	96	43435	10.0	9.34	
83 Chlorodibromomethane	129	8.032	8.038	-0.006	89	6751	2.00	1.69	
84 Ethylene Dibromide	107	8.142	8.141	0.001	95	8371	2.00	1.80	
85 Chlorobenzene	112	8.628	8.628	0.000	94	30113	2.00	2.08	
89 1,1,1,2-Tetrachloroethane	131	8.720	8.726	-0.006	44	8337	2.00	1.80	
88 Ethylbenzene	91	8.726	8.726	0.000	98	50325	2.00	2.12	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	19753	2.00	2.05	
91 o-Xylene	106	9.273	9.273	0.000	94	19330	2.00	1.99	
92 Styrene	104	9.304	9.303	0.001	97	28886	2.00	1.94	
93 Bromoform	173	9.535	9.541	-0.006	24	3852	2.00	1.78	M
95 Isopropylbenzene	105	9.656	9.656	0.000	96	47707	2.00	2.03	
97 Bromobenzene	156	9.997	9.991	0.006	95	12128	2.00	2.00	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	94	12436	2.00	1.99	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	89	4112	2.00	1.89	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	55511	2.00	2.11	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	65	4034	2.00	1.85	
102 2-Chlorotoluene	126	10.180	10.179	0.001	95	11551	2.00	2.07	
104 1,3,5-Trimethylbenzene	105	10.253	10.252	0.001	94	41379	2.00	2.14	
105 4-Chlorotoluene	91	10.289	10.289	0.000	98	41304	2.00	2.21	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	9795	2.00	2.20	
108 1,2,4-Trimethylbenzene	105	10.618	10.624	-0.006	98	39531	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	48802	2.00	2.07	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	97	24806	2.00	2.18	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	98	46265	2.00	2.18	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	93	23156	2.00	1.97	
115 n-Butylbenzene	91	11.299	11.299	0.000	98	34709	2.00	2.03	
116 1,2-Dichlorobenzene	146	11.348	11.341	0.007	95	22354	2.00	2.08	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	73	1786	2.00	2.17	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	12221	2.00	2.00	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	95	6498	2.00	2.01	
121 Naphthalene	128	12.960	12.960	0.000	97	32124	2.00	1.82	
122 1,2,3-Trichlorobenzene	180	13.161	13.160	0.001	93	11108	2.00	1.93	
S 125 Total BTEX	1				0			10.3	
S 126 Xylenes, Total	1				0			4.04	
S 123 1,3-Dichloropropene, Total	1				0			3.62	
S 124 1,2-Dichloroethene, Total	1				0			4.47	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00058	Amount Added:	2.00	Units: uL	
GAS CORP mix_00119	Amount Added:	2.00	Units: uL	
N_8260_Surr_00155	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added:	1.00	Units: uL	Run Reagent

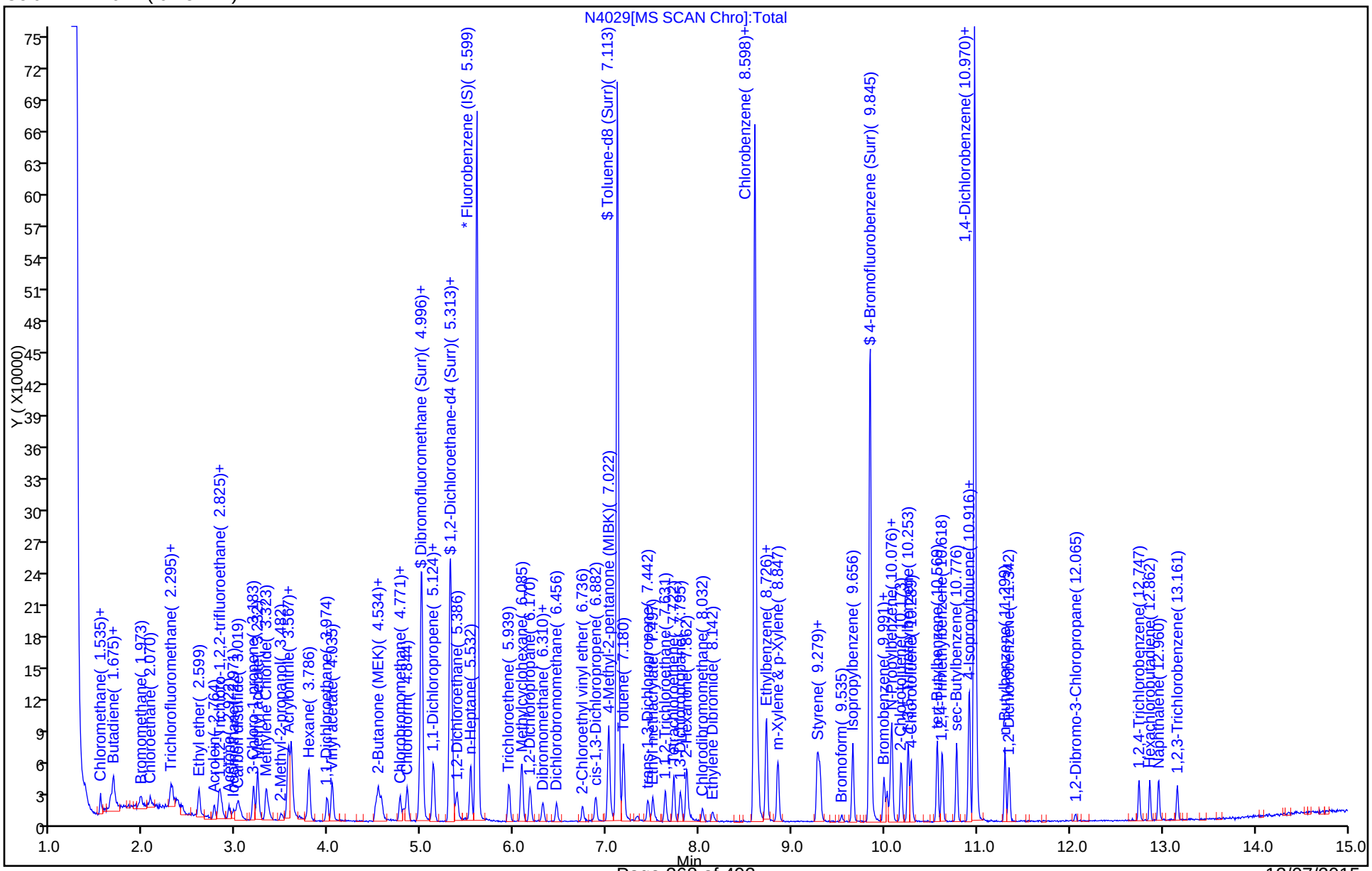
Report Date: 10-Nov-2015 11:26:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4029.D

Injection Date:	09-Nov-2015 18:19:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	54
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



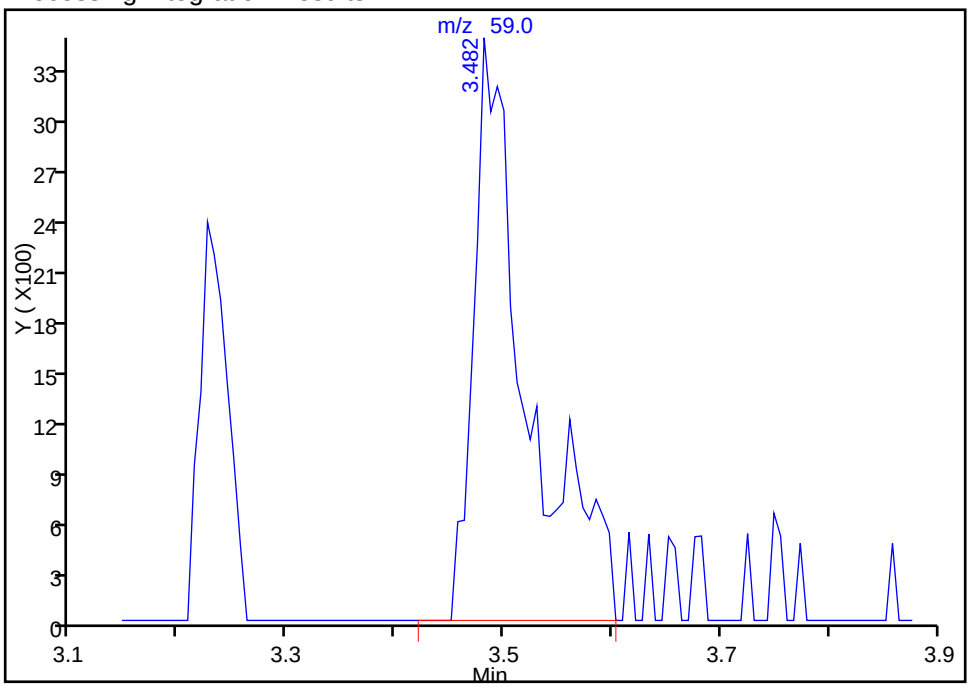
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4029.D
Injection Date: 09-Nov-2015 18:19:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 54 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

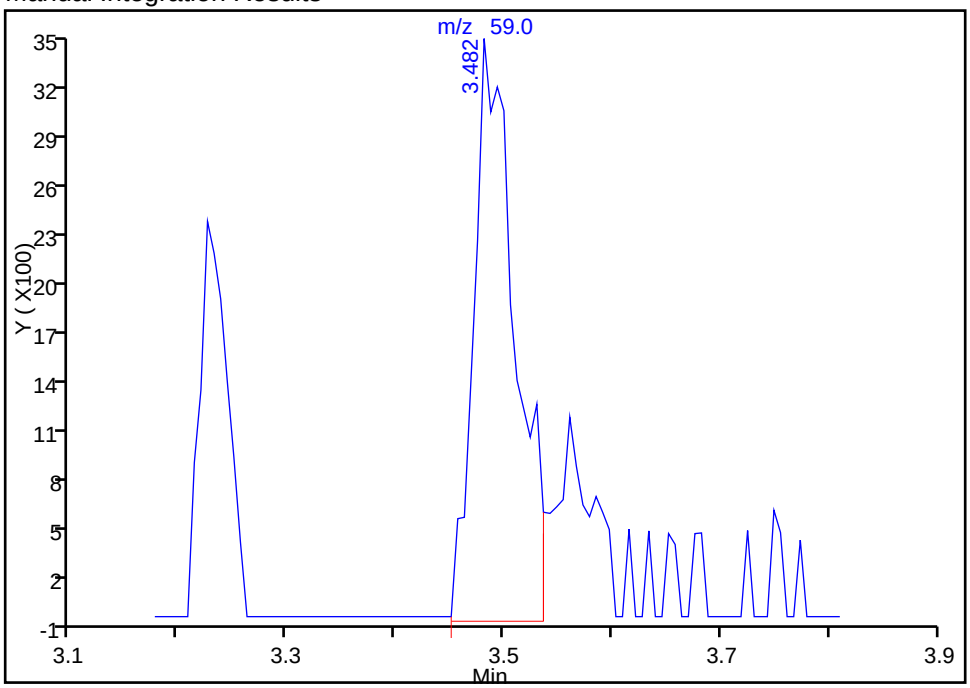
Processing Integration Results

RT: 3.48
Area: 11571
Amount: 21.533860
Amount Units: ug/L



Manual Integration Results

RT: 3.48
Area: 9134
Amount: 21.040390
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:47:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

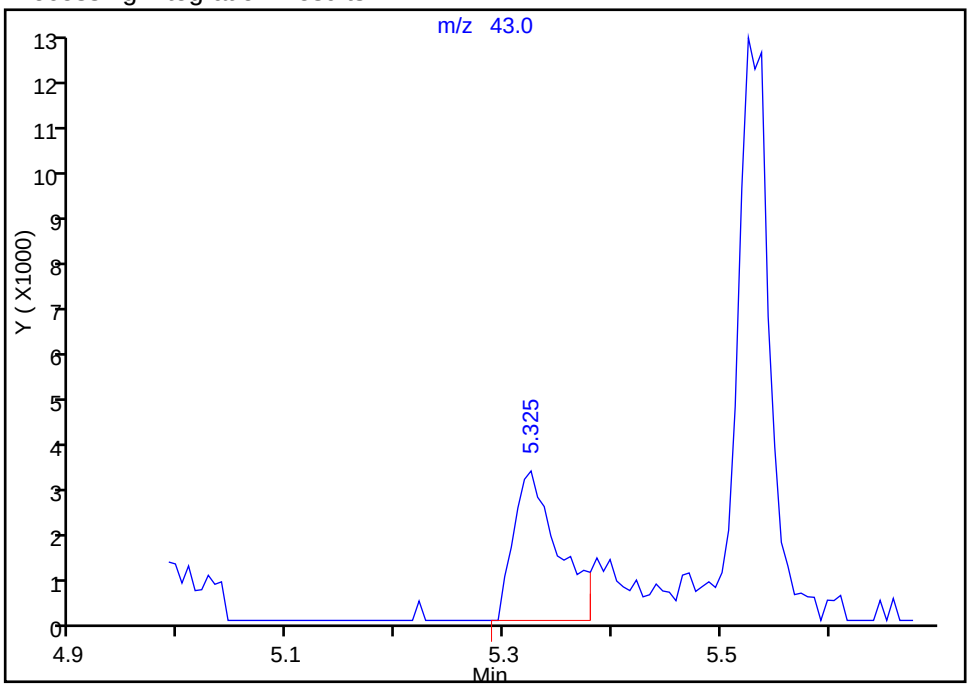
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4029.D
Injection Date: 09-Nov-2015 18:19:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 54 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

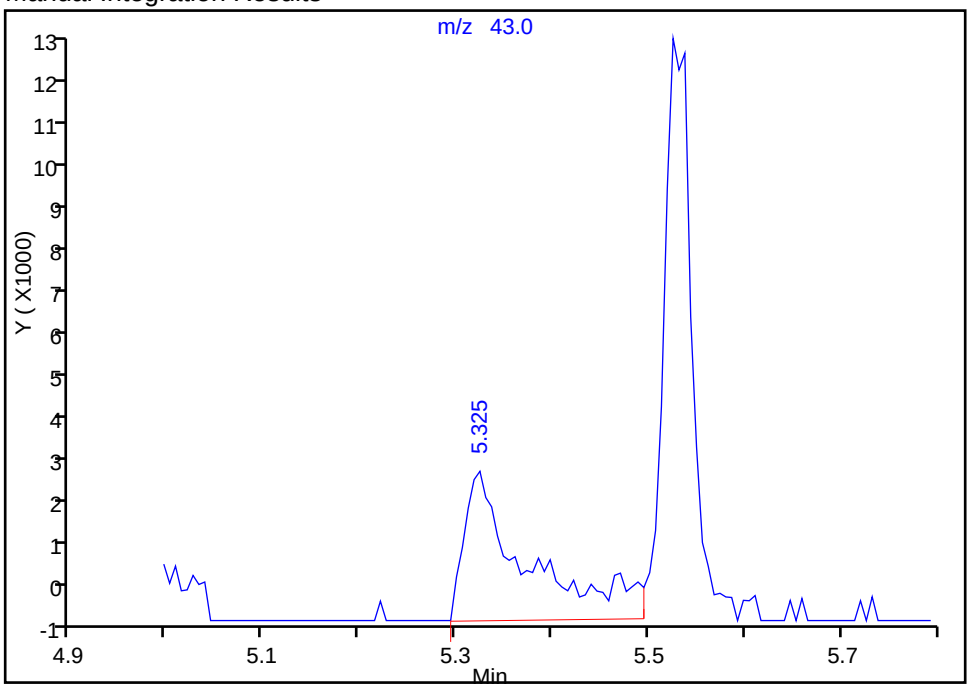
Processing Integration Results

RT: 5.32
Area: 8831
Amount: 31.623594
Amount Units: ug/L



Manual Integration Results

RT: 5.32
Area: 13991
Amount: 46.092641
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:47:56
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

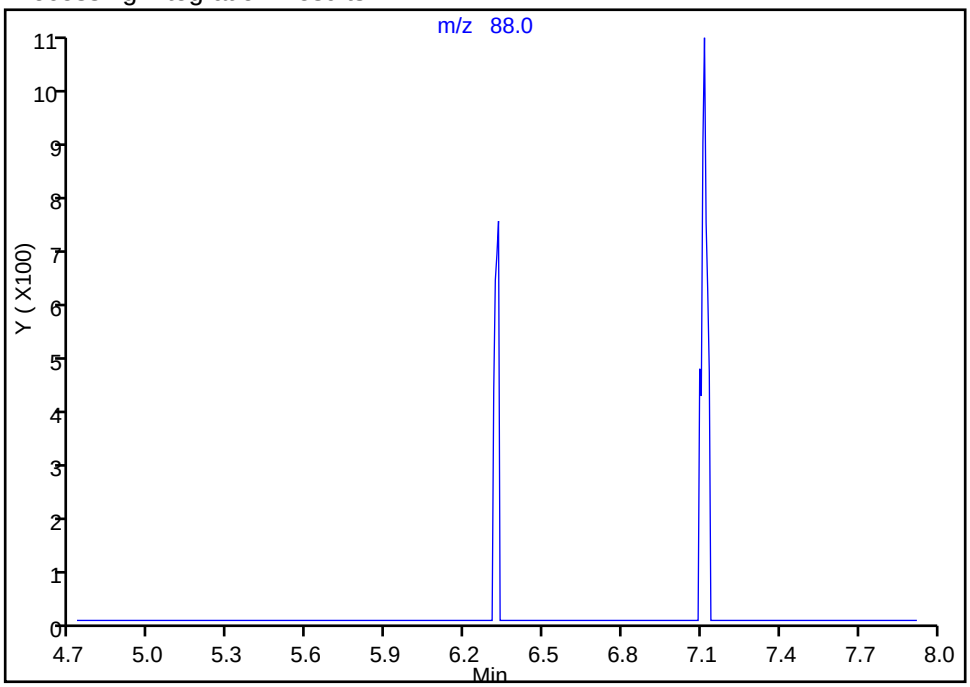
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4029.D
Injection Date: 09-Nov-2015 18:19:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 54 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

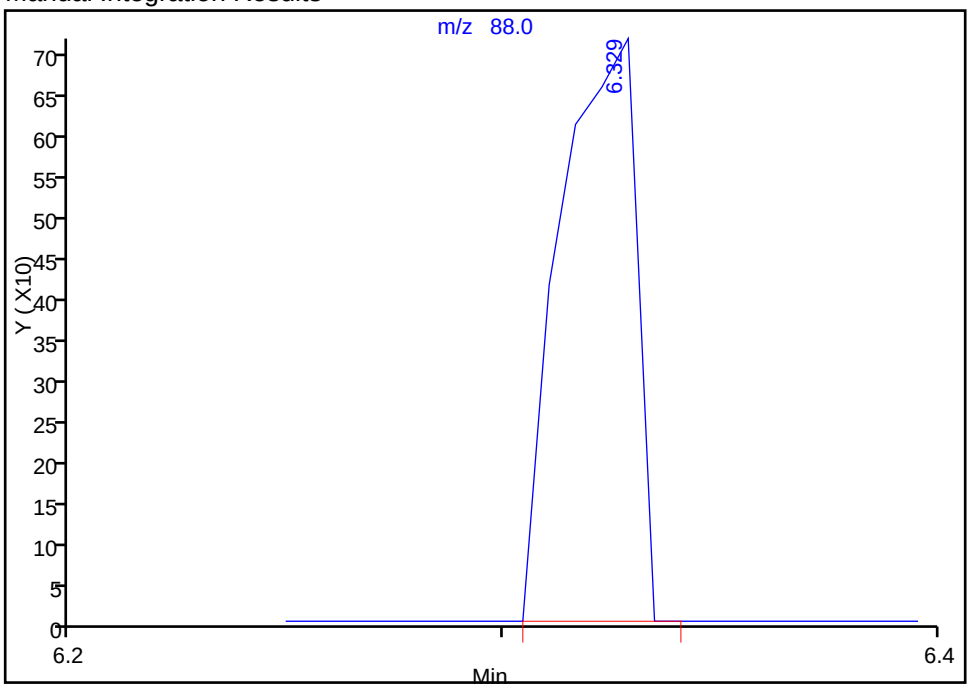
Not Detected
Expected RT: 6.32

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 878
Amount: 39.284829
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:47:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

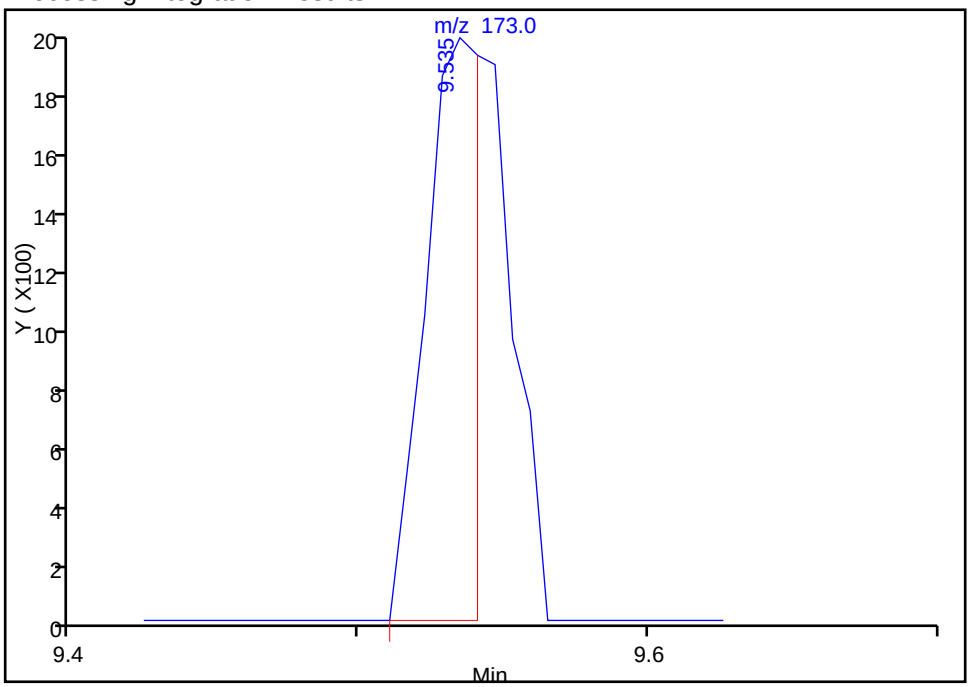
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4029.D
Injection Date: 09-Nov-2015 18:19:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 54 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

93 Bromoform, CAS: 75-25-2

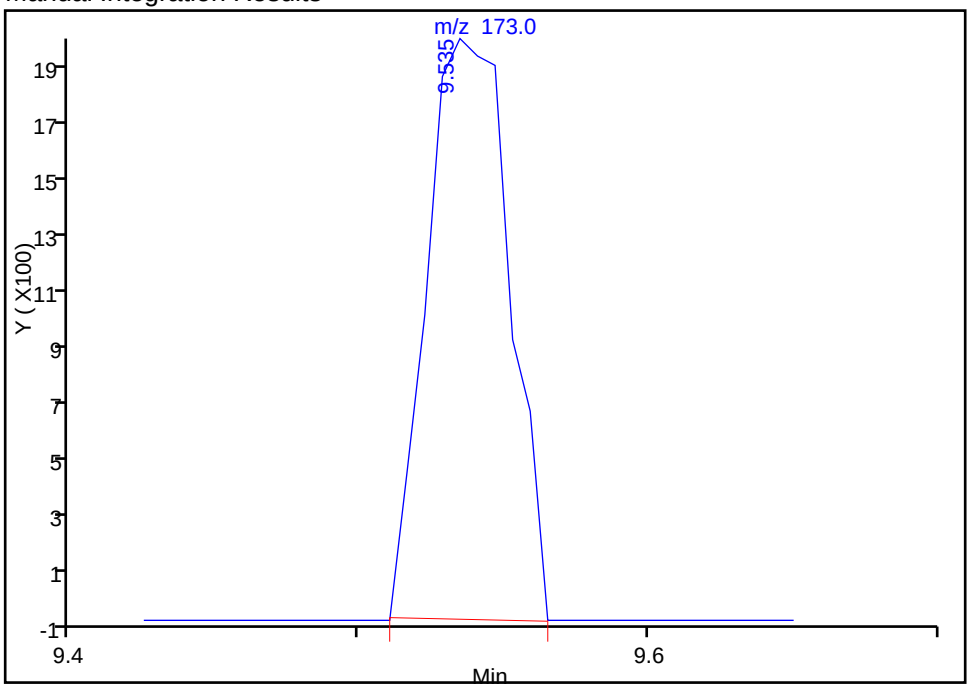
Processing Integration Results

RT: 9.53
Area: 2598
Amount: 1.221231
Amount Units: ug/L



Manual Integration Results

RT: 9.53
Area: 3852
Amount: 1.782844
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:47:56
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4030.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 09-Nov-2015 18:46:30 ALS Bottle#: 55 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0048174-009
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:45 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: HillL Date: 10-Nov-2015 10:14:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	108647	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	375011	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	192901	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	95	112562	25.0	25.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	156615	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	444320	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	90	136458	25.0	25.4	
11 Dichlorodifluoromethane	85	1.371	1.371	0.000	99	32199	5.00	5.45	
13 Chloromethane	50	1.541	1.541	0.000	99	38702	5.00	5.48	
14 Vinyl chloride	62	1.650	1.650	0.000	98	32925	5.00	5.28	
144 Butadiene	54	1.681	1.681	0.000	93	32682	5.00	5.09	
15 Bromomethane	94	1.973	1.973	0.000	92	16275	5.00	5.30	
16 Chloroethane	64	2.094	2.094	0.000	98	19088	5.00	5.18	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	98	42153	5.00	5.25	
18 Trichlorofluoromethane	101	2.313	2.313	0.000	71	34537	5.00	5.13	
19 Ethyl ether	59	2.605	2.605	0.000	94	31191	5.00	5.03	
20 Acrolein	56	2.764	2.764	0.000	98	31699	25.0	25.2	
22 1,1-Dichloroethene	96	2.824	2.824	0.000	95	25456	5.00	4.97	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.837	0.000	86	22972	5.00	5.30	
23 Acetone	43	2.928	2.928	0.000	98	52718	25.0	27.5	
24 Iodomethane	142	3.001	3.001	0.000	97	38195	5.00	4.82	
25 Carbon disulfide	76	3.037	3.037	0.000	100	78761	5.00	5.04	
27 3-Chloro-1-propene	41	3.190	3.190	0.000	87	52136	5.00	4.84	
28 Methyl acetate	43	3.232	3.232	0.000	99	160788	25.0	25.1	
30 Methylene Chloride	84	3.329	3.329	0.000	98	31166	5.00	5.14	
31 2-Methyl-2-propanol	59	3.494	3.494	0.000	97	24253	50.0	58.6	
32 Methyl tert-butyl ether	73	3.561	3.561	0.000	99	86076	5.00	4.87	
33 trans-1,2-Dichloroethene	96	3.573	3.573	0.000	97	28583	5.00	5.17	
34 Acrylonitrile	53	3.597	3.597	0.000	100	157121	50.0	58.0	
35 Hexane	57	3.792	3.792	0.000	95	49740	5.00	5.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.986	3.986	0.000	97	52761	5.00	5.06	
39 Vinyl acetate	43	4.035	4.035	0.000	98	132770	10.0	10.1	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	88	21761	5.00	4.92	
43 cis-1,2-Dichloroethene	96	4.540	4.540	0.000	80	29879	5.00	5.10	
44 2-Butanone (MEK)	43	4.570	4.570	0.000	98	87482	25.0	24.9	
47 Chlorobromomethane	128	4.771	4.771	0.000	96	14347	5.00	4.99	
49 Tetrahydrofuran	42	4.808	4.808	0.000	90	26621	10.0	10.8	
50 Chloroform	83	4.850	4.850	0.000	95	47721	5.00	5.01	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	34944	5.00	4.92	
52 Cyclohexane	56	5.002	5.002	0.000	51	43613	5.00	4.79	
53 Carbon tetrachloride	117	5.124	5.124	0.000	73	28275	5.00	4.68	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	88	36013	5.00	5.07	
56 Isobutyl alcohol	43	5.319	5.319	0.000	39	39970	125.0	138.0	M
55 Benzene	78	5.331	5.331	0.000	97	110758	5.00	5.13	
57 1,2-Dichloroethane	62	5.386	5.386	0.000	98	42979	5.00	4.99	
59 n-Heptane	43	5.532	5.532	0.000	95	53134	5.00	5.12	
60 Trichloroethene	95	5.945	5.945	0.000	95	26813	5.00	4.93	
62 Methylcyclohexane	83	6.085	6.085	0.000	95	46840	5.00	5.15	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	86	25896	5.00	5.03	
64 Dibromomethane	93	6.304	6.304	0.000	92	15974	5.00	5.11	
66 1,4-Dioxane	88	6.323	6.323	0.000	0	3447	100.0	90.6	M
67 Dichlorobromomethane	83	6.462	6.462	0.000	98	28752	5.00	4.73	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	16102	5.00	4.84	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	89	36907	5.00	5.02	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.022	0.000	99	64776	25.0	25.4	
73 Toluene	92	7.180	7.180	0.000	98	64241	5.00	4.85	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	31179	5.00	4.86	
77 Ethyl methacrylate	69	7.503	7.503	0.000	94	29762	5.00	4.75	
78 1,1,2-Trichloroethane	83	7.631	7.631	0.000	91	19394	5.00	5.16	
79 Tetrachloroethene	166	7.722	7.722	0.000	97	30431	5.00	5.08	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	95	38170	5.00	4.83	
82 2-Hexanone	43	7.862	7.862	0.000	98	117944	25.0	25.8	
83 Chlorodibromomethane	129	8.032	8.032	0.000	91	18554	5.00	4.73	
84 Ethylene Dibromide	107	8.148	8.148	0.000	98	21896	5.00	4.78	
85 Chlorobenzene	112	8.628	8.628	0.000	94	71339	5.00	5.01	
89 1,1,1,2-Tetrachloroethane	131	8.726	8.726	0.000	90	21923	5.00	4.82	
88 Ethylbenzene	91	8.726	8.726	0.000	99	119143	5.00	5.11	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	45321	5.00	4.79	
91 o-Xylene	106	9.273	9.273	0.000	95	47631	5.00	4.98	
92 Styrene	104	9.303	9.303	0.000	94	70180	5.00	4.80	
93 Bromoform	173	9.541	9.541	0.000	91	8996	5.00	4.23	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	115566	5.00	4.92	
97 Bromobenzene	156	9.997	9.997	0.000	96	29591	5.00	4.87	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	95	31797	5.00	5.08	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	90	10990	5.00	5.06	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	132615	5.00	5.05	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	62	10795	5.00	4.96	
102 2-Chlorotoluene	126	10.180	10.180	0.000	95	26955	5.00	4.84	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.000	96	95184	5.00	4.92	
105 4-Chlorotoluene	91	10.289	10.289	0.000	97	83665	5.00	4.48	
106 tert-Butylbenzene	134	10.569	10.569	0.000	93	22211	5.00	4.99	
108 1,2,4-Trimethylbenzene	105	10.624	10.624	0.000	98	96766	5.00	5.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	118249	5.00	5.01	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	98	56578	5.00	4.98	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	107400	5.00	5.07	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	96	57567	5.00	4.90	
115 n-Butylbenzene	91	11.299	11.299	0.000	98	85298	5.00	4.99	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	53880	5.00	5.01	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	75	4243	5.00	4.31	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	28908	5.00	4.74	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	97	16142	5.00	5.00	
121 Naphthalene	128	12.960	12.960	0.000	97	83273	5.00	4.73	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	95	27452	5.00	4.76	
S 125 Total BTEX	1				0			24.9	
S 126 Xylenes, Total	1				0			9.78	
S 123 1,3-Dichloropropene, Total	1				0			9.88	
S 124 1,2-Dichloroethene, Total	1				0			10.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00058	Amount Added:	5.00	Units: uL	
GAS CORP mix_00119	Amount Added:	5.00	Units: uL	
N_8260_Surr_00155	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added:	1.00	Units: uL	Run Reagent

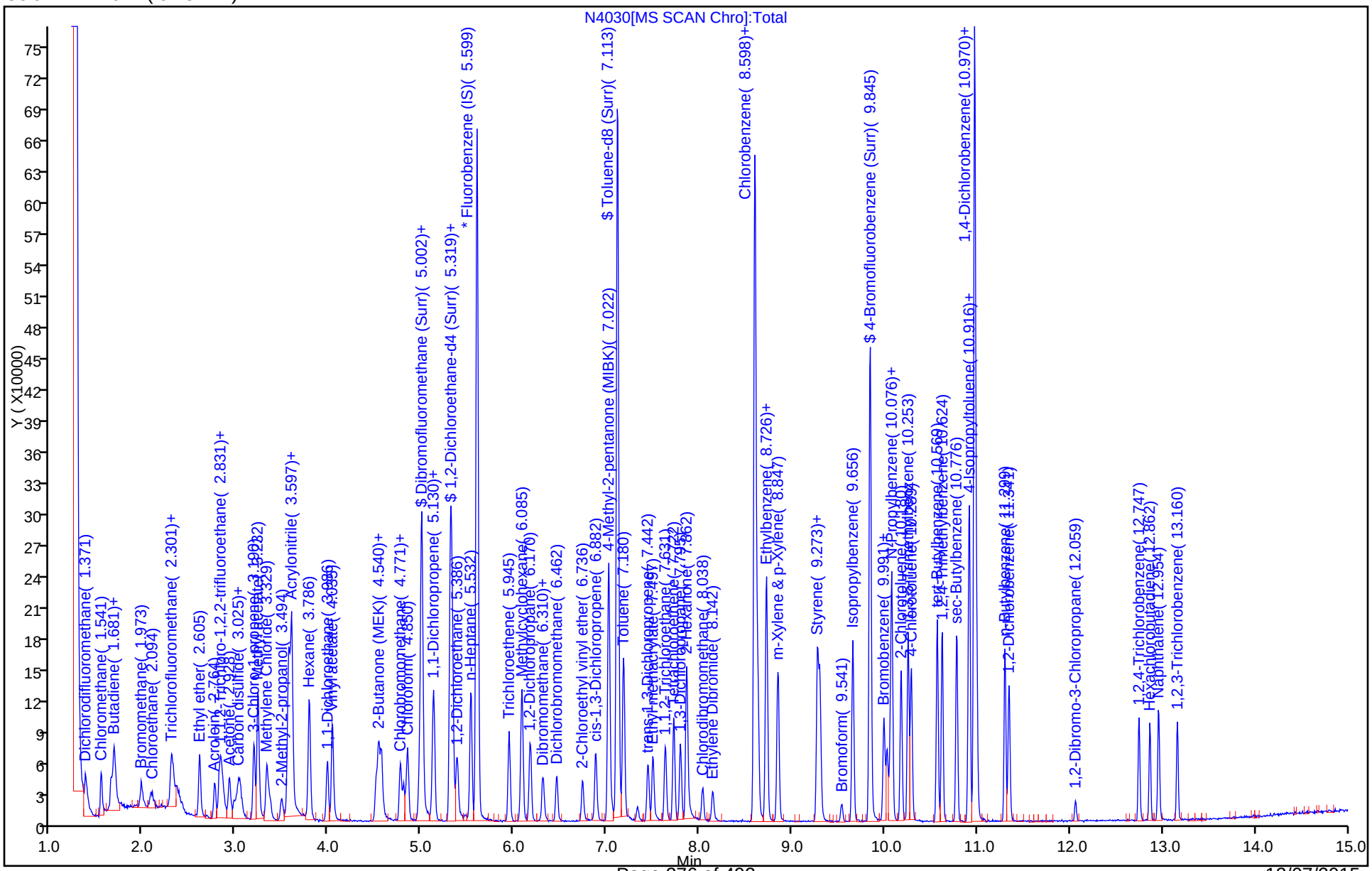
Report Date: 10-Nov-2015 11:26:46 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4030.D

Injection Date:	09-Nov-2015 18:46:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	55
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

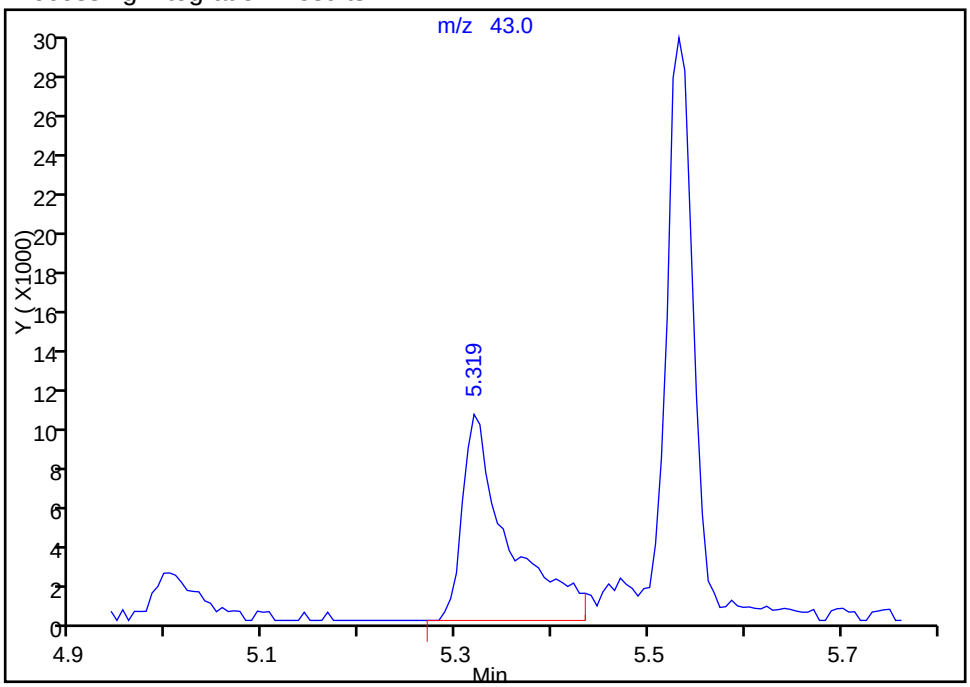
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4030.D
Injection Date: 09-Nov-2015 18:46:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 55 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

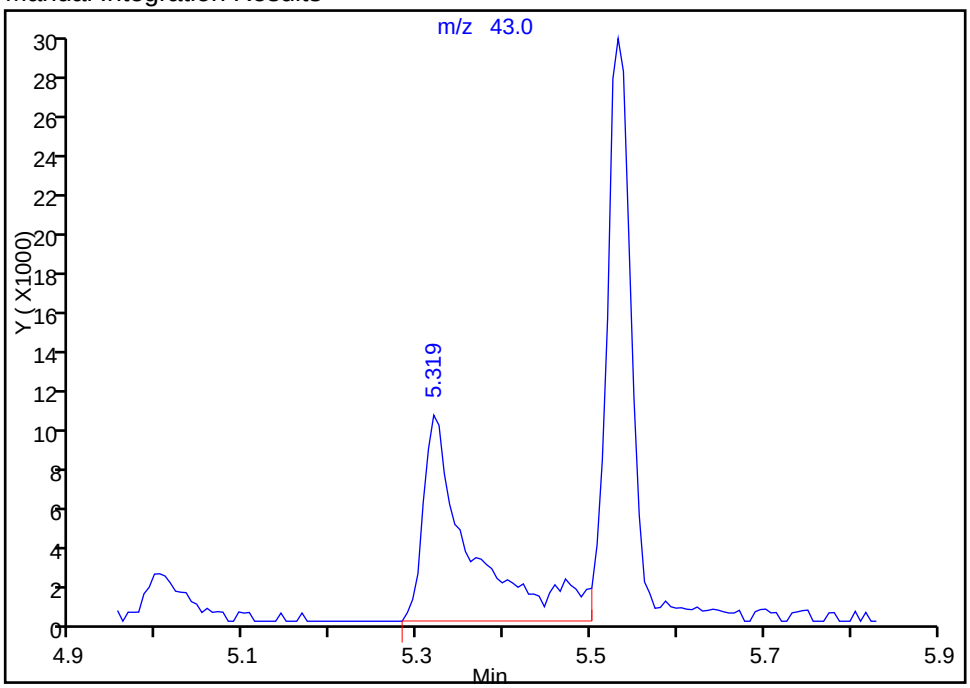
Processing Integration Results

RT: 5.32
Area: 34075
Amount: 122.2720
Amount Units: ug/L



Manual Integration Results

RT: 5.32
Area: 39970
Amount: 138.0445
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:49:27
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

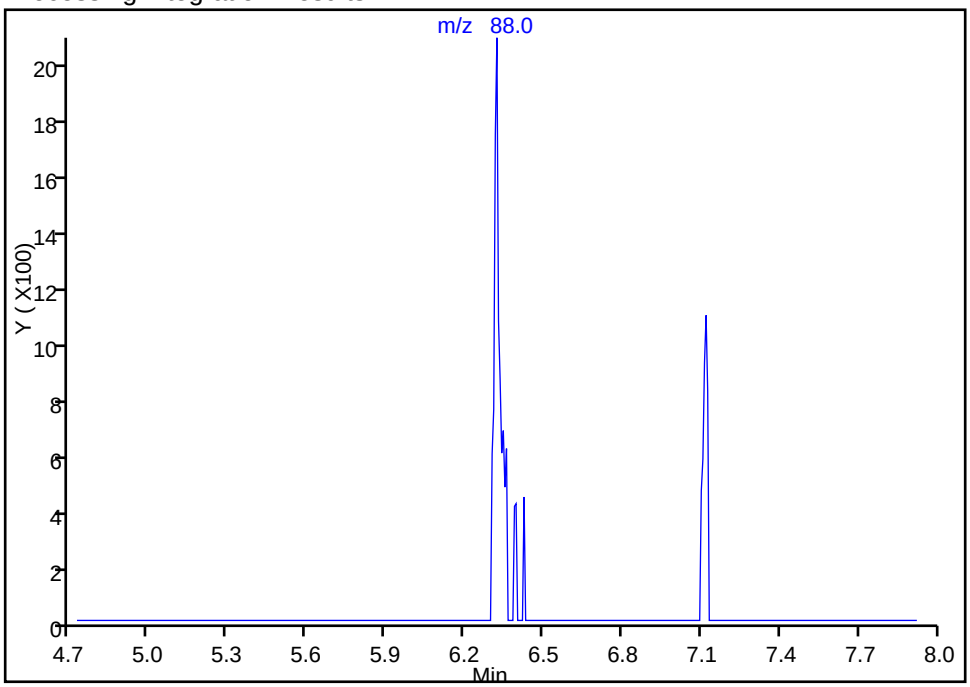
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4030.D
Injection Date: 09-Nov-2015 18:46:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 55 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

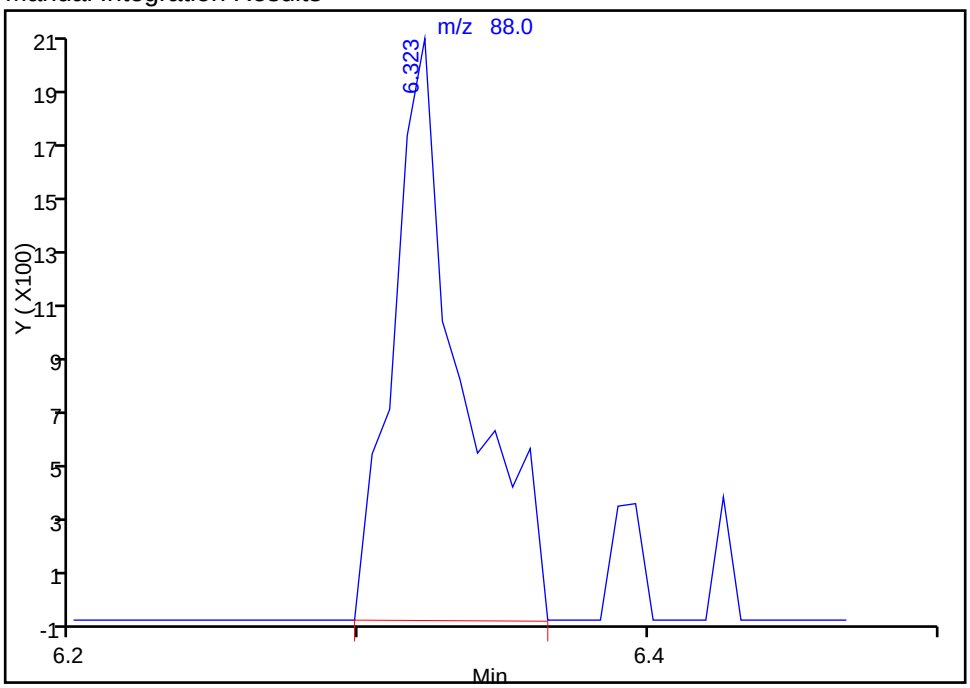
Not Detected
Expected RT: 6.32

Processing Integration Results



Manual Integration Results

RT: 6.32
Area: 3447
Amount: 90.560842
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:49:27
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4031.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 09-Nov-2015 19:13:30 ALS Bottle#: 56 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0048174-010
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:48 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: HillL Date: 10-Nov-2015 10:19:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	111473	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	378769	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	195083	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	94	113770	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	154674	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	450763	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	91	137449	25.0	25.3	
11 Dichlorodifluoromethane	85	1.370	1.371	0.000	99	63442	10.0	10.5	
13 Chloromethane	50	1.535	1.541	-0.006	99	73847	10.0	10.2	
14 Vinyl chloride	62	1.644	1.650	-0.006	98	67169	10.0	10.5	
144 Butadiene	54	1.675	1.681	-0.006	94	70008	10.0	10.6	
15 Bromomethane	94	1.973	1.973	0.000	92	30900	10.0	9.80	
16 Chloroethane	64	2.076	2.094	-0.018	99	37006	10.0	9.80	
17 Dichlorofluoromethane	67	2.295	2.301	-0.006	97	81777	10.0	9.92	
18 Trichlorofluoromethane	101	2.313	2.313	0.000	97	72458	10.0	10.5	
19 Ethyl ether	59	2.599	2.605	-0.006	97	61390	10.0	9.65	
20 Acrolein	56	2.764	2.764	0.000	99	64497	50.0	50.0	
22 1,1-Dichloroethene	96	2.812	2.824	-0.012	96	51191	10.0	9.74	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.837	0.000	81	44598	10.0	10.0	
23 Acetone	43	2.922	2.928	-0.006	97	88291	50.0	44.9	
24 Iodomethane	142	2.977	3.001	-0.025	99	82141	10.0	10.1	
25 Carbon disulfide	76	3.025	3.037	-0.012	99	160116	10.0	9.98	
27 3-Chloro-1-propene	41	3.183	3.190	-0.007	87	108831	10.0	9.85	
28 Methyl acetate	43	3.232	3.232	0.000	99	306887	50.0	46.7	
30 Methylene Chloride	84	3.323	3.329	-0.006	98	61579	10.0	10.8	
31 2-Methyl-2-propanol	59	3.488	3.494	-0.006	98	38040	100.0	89.5	M
32 Methyl tert-butyl ether	73	3.554	3.561	-0.007	99	172942	10.0	9.53	
33 trans-1,2-Dichloroethene	96	3.567	3.573	-0.006	97	55550	10.0	9.80	
34 Acrylonitrile	53	3.591	3.597	-0.006	98	257607	100.0	92.6	
35 Hexane	57	3.786	3.792	-0.006	96	97385	10.0	9.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.986	-0.006	97	105617	10.0	9.88	
39 Vinyl acetate	43	4.035	4.035	0.000	98	263111	20.0	19.4	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	88	45786	10.0	10.1	
43 cis-1,2-Dichloroethene	96	4.540	4.540	0.000	83	59573	10.0	9.90	
44 2-Butanone (MEK)	43	4.564	4.570	-0.006	99	184125	50.0	51.2	
47 Chlorobromomethane	128	4.771	4.771	0.000	96	29742	10.0	10.1	
49 Tetrahydrofuran	42	4.802	4.808	-0.006	91	49430	20.0	19.5	
50 Chloroform	83	4.850	4.850	0.000	95	98706	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	73687	10.0	10.1	
52 Cyclohexane	56	5.002	5.002	0.000	93	96507	10.0	10.3	
53 Carbon tetrachloride	117	5.124	5.124	0.000	95	60488	10.0	9.75	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	92	74751	10.0	10.3	
56 Isobutyl alcohol	43	5.319	5.319	0.000	95	60894	250.0	205.0	
55 Benzene	78	5.331	5.331	0.000	98	219307	10.0	9.89	
57 1,2-Dichloroethane	62	5.386	5.386	0.000	98	86841	10.0	9.84	
59 n-Heptane	43	5.532	5.532	0.000	95	100310	10.0	9.43	
60 Trichloroethene	95	5.945	5.945	0.000	97	55393	10.0	9.93	
62 Methylcyclohexane	83	6.085	6.085	0.000	94	95871	10.0	10.3	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	89	51685	10.0	9.79	
64 Dibromomethane	93	6.304	6.304	0.000	94	32737	10.0	10.2	
66 1,4-Dioxane	88	6.316	6.323	-0.007	31	9819	200.0	215.1	M
67 Dichlorobromomethane	83	6.456	6.462	-0.006	98	60312	10.0	9.67	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	92	32985	10.0	9.65	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	91	77222	10.0	10.2	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.022	0.000	98	128179	50.0	49.8	
73 Toluene	92	7.180	7.180	0.000	97	130335	10.0	9.74	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	65647	10.0	10.1	
77 Ethyl methacrylate	69	7.497	7.503	-0.006	92	62143	10.0	9.82	
78 1,1,2-Trichloroethane	83	7.630	7.631	0.000	92	37084	10.0	9.77	
79 Tetrachloroethene	166	7.722	7.722	0.000	96	58407	10.0	9.66	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	98	80890	10.0	10.1	
82 2-Hexanone	43	7.862	7.862	0.000	98	230285	50.0	49.9	
83 Chlorodibromomethane	129	8.032	8.032	0.000	90	39038	10.0	9.85	
84 Ethylene Dibromide	107	8.141	8.148	-0.007	99	44760	10.0	9.68	
85 Chlorobenzene	112	8.628	8.628	0.000	93	144062	10.0	10.0	
89 1,1,1,2-Tetrachloroethane	131	8.725	8.726	-0.001	89	46293	10.0	10.1	
88 Ethylbenzene	91	8.725	8.726	-0.001	99	237807	10.0	10.1	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	94396	10.0	9.88	
91 o-Xylene	106	9.273	9.273	0.000	97	94366	10.0	9.78	
92 Styrene	104	9.303	9.303	0.000	95	148885	10.0	10.1	
93 Bromoform	173	9.535	9.541	-0.006	95	20733	10.0	9.66	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	237960	10.0	10.0	
97 Bromobenzene	156	9.991	9.997	-0.006	95	61327	10.0	9.99	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	96	63686	10.0	10.1	
99 1,2,3-Trichloropropane	110	10.064	10.058	0.006	91	21794	10.0	9.92	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	271122	10.0	10.2	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	67	20617	10.0	9.36	
102 2-Chlorotoluene	126	10.179	10.180	-0.001	96	55537	10.0	9.86	
104 1,3,5-Trimethylbenzene	105	10.252	10.253	-0.001	95	192248	10.0	9.82	
105 4-Chlorotoluene	91	10.289	10.289	0.000	97	180207	10.0	9.54	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	45723	10.0	10.2	
108 1,2,4-Trimethylbenzene	105	10.624	10.624	0.000	98	195735	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	241552	10.0	10.1	
110 1,3-Dichlorobenzene	146	10.909	10.910	-0.001	98	112816	10.0	9.81	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	98	215772	10.0	10.1	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	95	117875	10.0	9.92	
115 n-Butylbenzene	91	11.299	11.299	0.000	98	176674	10.0	10.2	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	108436	10.0	9.97	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	76	9800	10.0	9.07	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	60113	10.0	9.75	
120 Hexachlorobutadiene	225	12.868	12.862	0.006	97	32618	10.0	10.0	
121 Naphthalene	128	12.960	12.960	0.000	97	180195	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	94	55212	10.0	9.47	
S 125 Total BTEX	1				0			49.4	
S 126 Xylenes, Total	1				0			19.7	
S 123 1,3-Dichloropropene, Total	1				0			20.4	
S 124 1,2-Dichloroethene, Total	1				0			19.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00058	Amount Added:	5.00	Units: uL	
GAS CORP mix_00119	Amount Added:	5.00	Units: uL	
N_8260_Surr_00155	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added:	1.00	Units: uL	Run Reagent

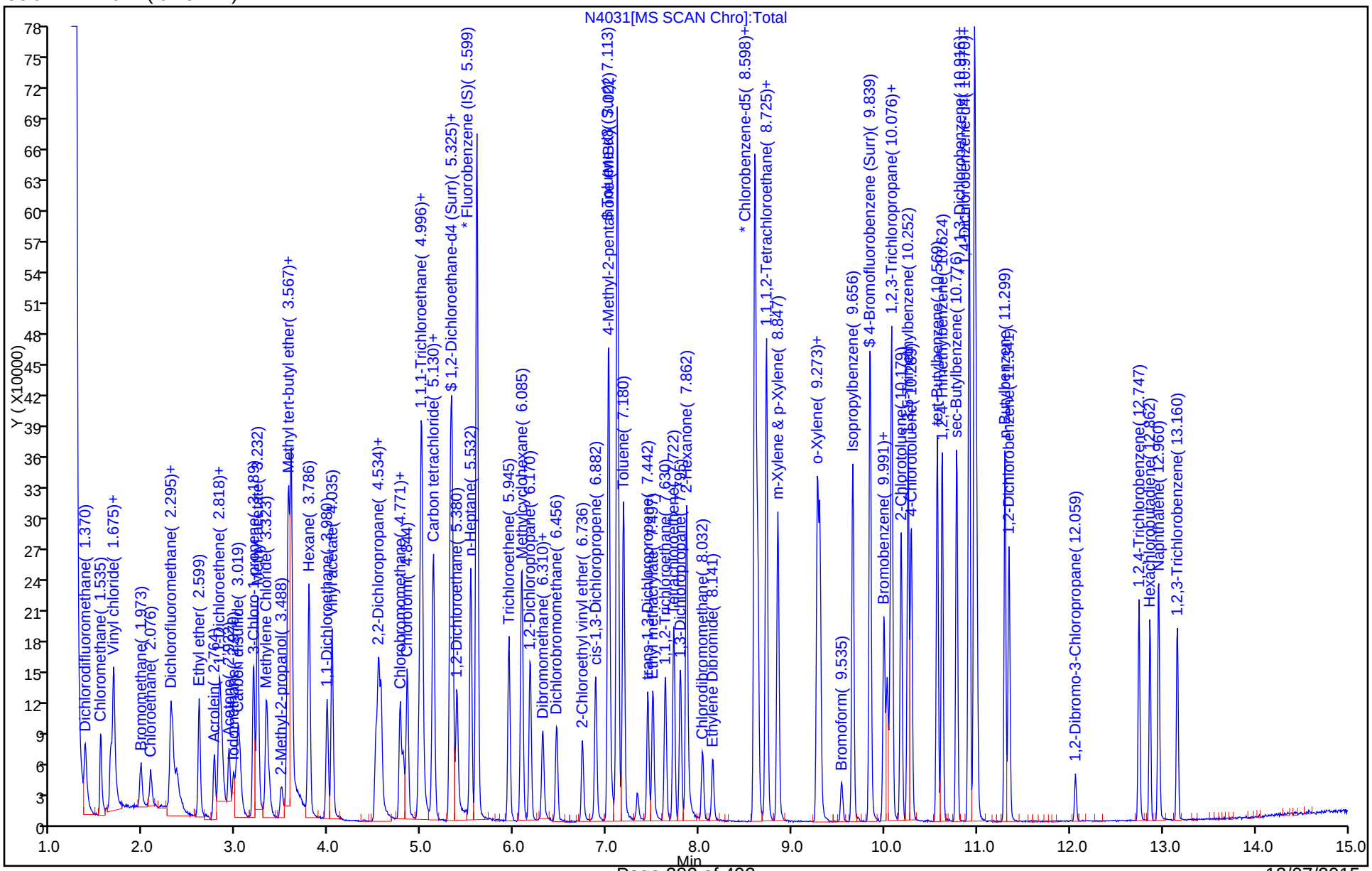
Report Date: 10-Nov-2015 11:26:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4031.D

Injection Date:	09-Nov-2015 19:13:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



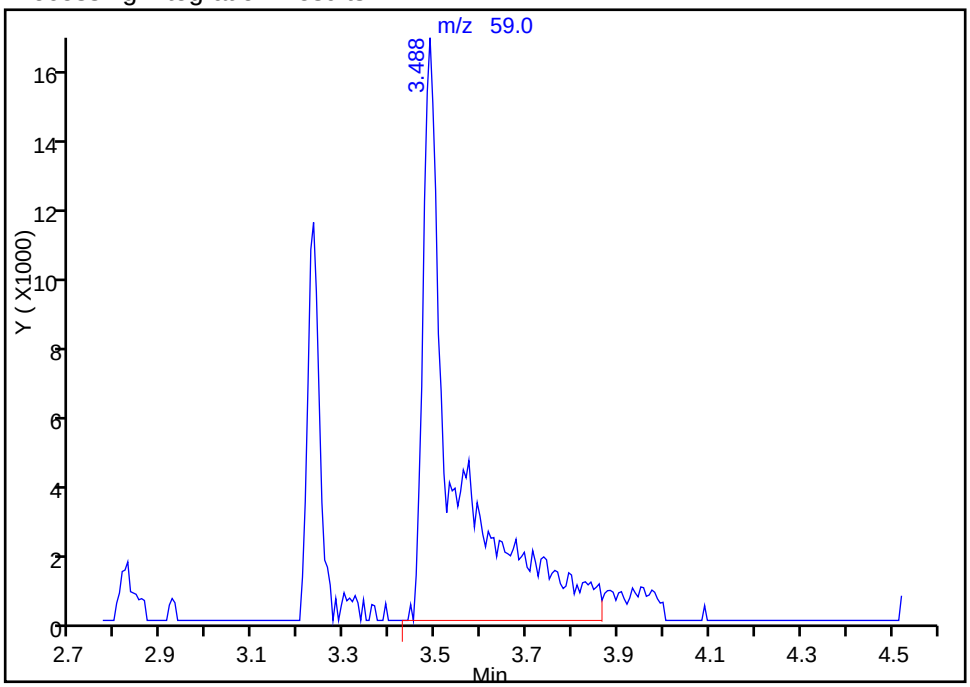
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4031.D
Injection Date: 09-Nov-2015 19:13:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 56 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

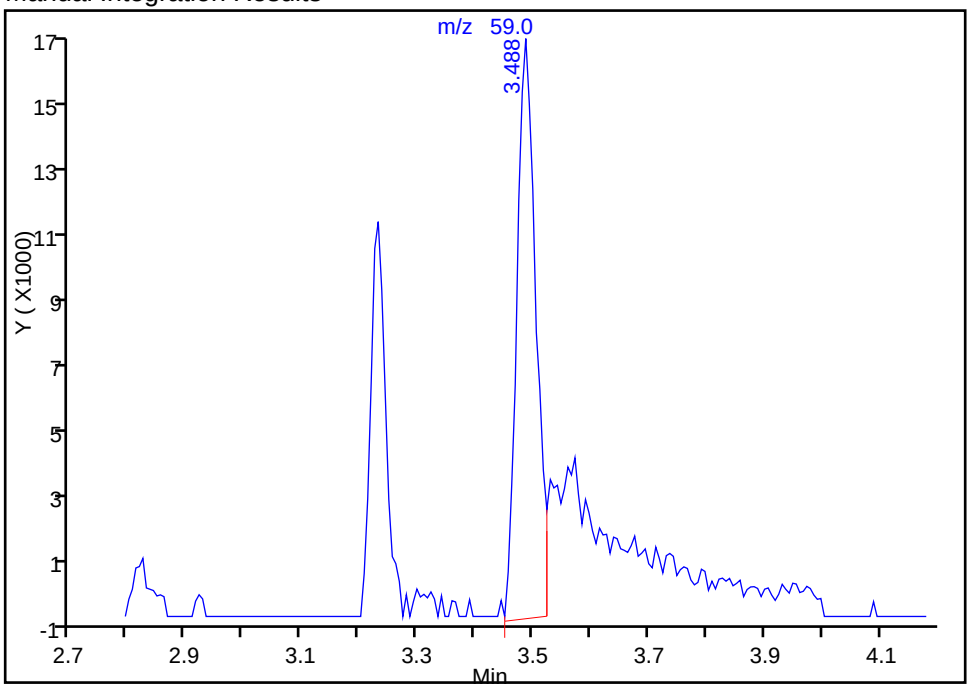
Processing Integration Results

RT: 3.49
Area: 78299
Amount: 153.2306
Amount Units: ug/L



Manual Integration Results

RT: 3.49
Area: 38040
Amount: 89.533079
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:50:37
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

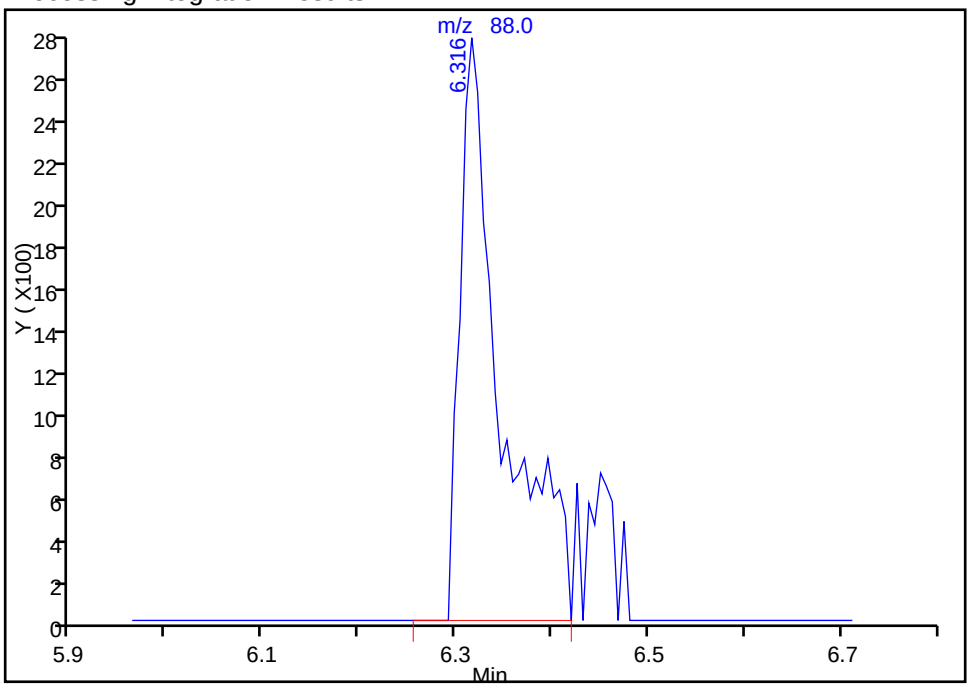
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4031.D
Injection Date: 09-Nov-2015 19:13:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 56 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

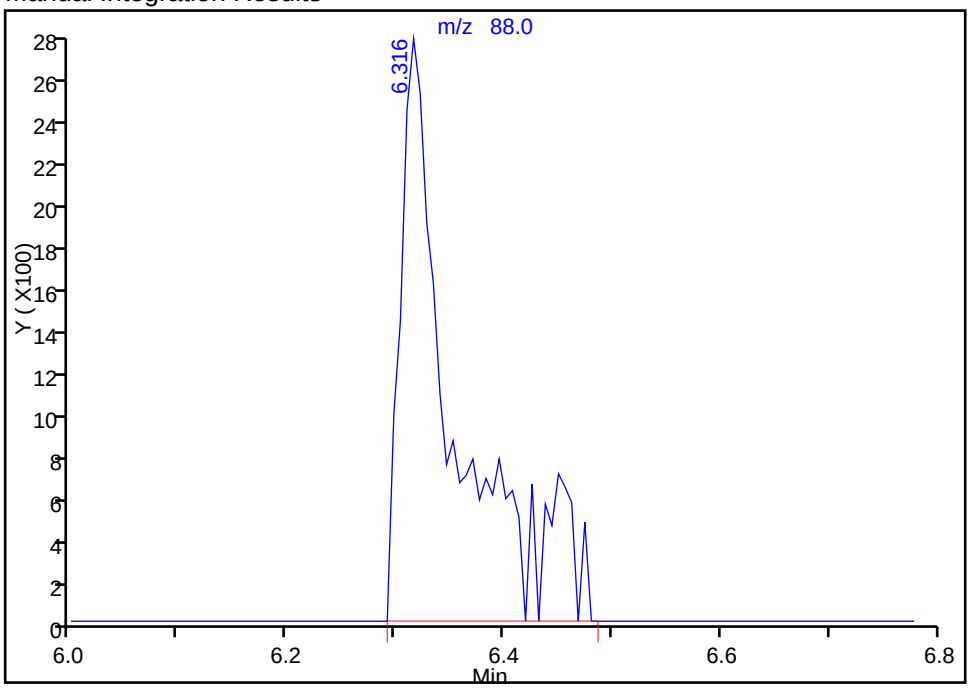
Processing Integration Results

RT: 6.32
Area: 8350
Amount: 189.7096
Amount Units: ug/L



Manual Integration Results

RT: 6.32
Area: 9819
Amount: 215.1066
Amount Units: ug/L



Reviewer: HillL, 10-Nov-2015 10:50:37
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4032.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 09-Nov-2015 19:39:30 ALS Bottle#: 57 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0048174-011
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:51 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: fortaing Date: 10-Nov-2015 00:48:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	109773	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	371212	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	190457	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	93	115890	25.0	25.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	150268	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	430897	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	90	134049	25.0	25.2	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	99	160674	25.0	26.9	
13 Chloromethane	50	1.541	1.541	0.000	99	180468	25.0	25.3	
14 Vinyl chloride	62	1.650	1.650	0.000	98	164839	25.0	26.2	
144 Butadiene	54	1.681	1.681	0.000	93	175296	25.0	27.0	
15 Bromomethane	94	1.973	1.973	0.000	90	83629	25.0	26.9	
16 Chloroethane	64	2.082	2.082	0.000	100	92098	25.0	24.8	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	97	206210	25.0	25.4	
18 Trichlorofluoromethane	101	2.313	2.313	0.000	98	187094	25.0	27.5	
19 Ethyl ether	59	2.599	2.599	0.000	95	149177	25.0	23.8	
20 Acrolein	56	2.764	2.764	0.000	99	152397	125.0	119.9	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	95	128142	25.0	24.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.831	2.831	0.000	89	124281	25.0	28.4	
23 Acetone	43	2.922	2.922	0.000	98	240759	125.0	124.4	
24 Iodomethane	142	2.977	2.977	0.000	99	211403	25.0	26.4	
25 Carbon disulfide	76	3.025	3.025	0.000	100	406491	25.0	25.7	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	88	260258	25.0	23.9	
28 Methyl acetate	43	3.232	3.232	0.000	99	728279	125.0	112.6	
30 Methylene Chloride	84	3.329	3.329	0.000	98	144234	25.0	27.1	
31 2-Methyl-2-propanol	59	3.488	3.488	0.000	95	92171	250.0	220.3	
32 Methyl tert-butyl ether	73	3.554	3.554	0.000	99	426038	25.0	23.8	
33 trans-1,2-Dichloroethene	96	3.573	3.573	0.000	97	138219	25.0	24.8	
34 Acrylonitrile	53	3.591	3.591	0.000	98	701193	250.0	256.1	
35 Hexane	57	3.786	3.786	0.000	95	234344	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	260430	25.0	24.7	
39 Vinyl acetate	43	4.035	4.035	0.000	98	672789	50.0	50.5	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	92	113993	25.0	25.5	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	81	146394	25.0	24.7	
44 2-Butanone (MEK)	43	4.564	4.564	0.000	98	435192	125.0	122.8	
47 Chlorobromomethane	128	4.771	4.771	0.000	97	71139	25.0	24.5	
49 Tetrahydrofuran	42	4.802	4.802	0.000	90	120501	50.0	48.3	
50 Chloroform	83	4.850	4.850	0.000	95	233514	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	188976	25.0	26.3	
52 Cyclohexane	56	5.002	5.002	0.000	95	240277	25.0	26.1	
53 Carbon tetrachloride	117	5.124	5.124	0.000	97	158916	25.0	26.0	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	93	183785	25.0	25.6	
56 Isobutyl alcohol	43	5.319	5.319	0.000	91	180245	625.0	616.1	
55 Benzene	78	5.331	5.331	0.000	99	520255	25.0	23.8	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	206967	25.0	23.8	
59 n-Heptane	43	5.532	5.532	0.000	95	245318	25.0	23.4	
60 Trichloroethene	95	5.945	5.945	0.000	96	137605	25.0	25.1	
62 Methylcyclohexane	83	6.085	6.085	0.000	96	231368	25.0	25.2	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	89	128341	25.0	24.7	
64 Dibromomethane	93	6.304	6.304	0.000	95	79092	25.0	25.0	
66 1,4-Dioxane	88	6.322	6.322	0.000	33	25049	500.0	524.4	
67 Dichlorobromomethane	83	6.462	6.462	0.000	98	153331	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	94	84157	25.0	25.0	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	91	190100	25.0	25.6	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.022	0.000	98	319742	125.0	126.7	
73 Toluene	92	7.180	7.180	0.000	98	320027	25.0	24.4	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	99	164793	25.0	25.9	
77 Ethyl methacrylate	69	7.497	7.497	0.000	93	156407	25.0	25.2	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	92739	25.0	24.9	
79 Tetrachloroethene	166	7.728	7.728	0.000	98	141834	25.0	23.9	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	98	190110	25.0	24.3	
82 2-Hexanone	43	7.862	7.862	0.000	98	577746	125.0	127.6	
83 Chlorodibromomethane	129	8.038	8.038	0.000	91	103687	25.0	26.7	
84 Ethylene Dibromide	107	8.141	8.141	0.000	98	117753	25.0	26.0	
85 Chlorobenzene	112	8.628	8.628	0.000	93	340021	25.0	24.1	
89 1,1,1,2-Tetrachloroethane	131	8.726	8.726	0.000	90	117031	25.0	26.0	
88 Ethylbenzene	91	8.726	8.726	0.000	99	565724	25.0	24.5	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	230772	25.0	24.7	
91 o-Xylene	106	9.273	9.273	0.000	97	231263	25.0	24.4	
92 Styrene	104	9.303	9.303	0.000	96	367136	25.0	25.4	
93 Bromoform	173	9.541	9.541	0.000	96	57780	25.0	27.5	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	566841	25.0	24.4	
97 Bromobenzene	156	9.991	9.991	0.000	95	144258	25.0	24.1	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	96	154322	25.0	25.0	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	90	54777	25.0	25.5	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	643739	25.0	24.8	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	73	53977	25.0	25.1	
102 2-Chlorotoluene	126	10.179	10.179	0.000	96	133573	25.0	24.3	
104 1,3,5-Trimethylbenzene	105	10.252	10.252	0.000	95	466351	25.0	24.4	
105 4-Chlorotoluene	91	10.289	10.289	0.000	98	453964	25.0	24.6	
106 tert-Butylbenzene	134	10.569	10.569	0.000	93	108362	25.0	24.7	
108 1,2,4-Trimethylbenzene	105	10.624	10.624	0.000	97	477015	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	579594	25.0	24.9	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	99	272685	25.0	24.3	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	520384	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	94	283140	25.0	24.4	
115 n-Butylbenzene	91	11.299	11.299	0.000	98	427020	25.0	25.3	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	267691	25.0	25.2	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	75	27016	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	152892	25.0	25.4	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	97	75917	25.0	23.8	
121 Naphthalene	128	12.960	12.960	0.000	97	463162	25.0	26.6	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	95	139249	25.0	24.5	

Reagents:

8260 CORP mix_00058	Amount Added: 12.50	Units: uL	
GAS CORP mix_00119	Amount Added: 12.50	Units: uL	
N_8260_Surr_00155	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added: 1.00	Units: uL	Run Reagent

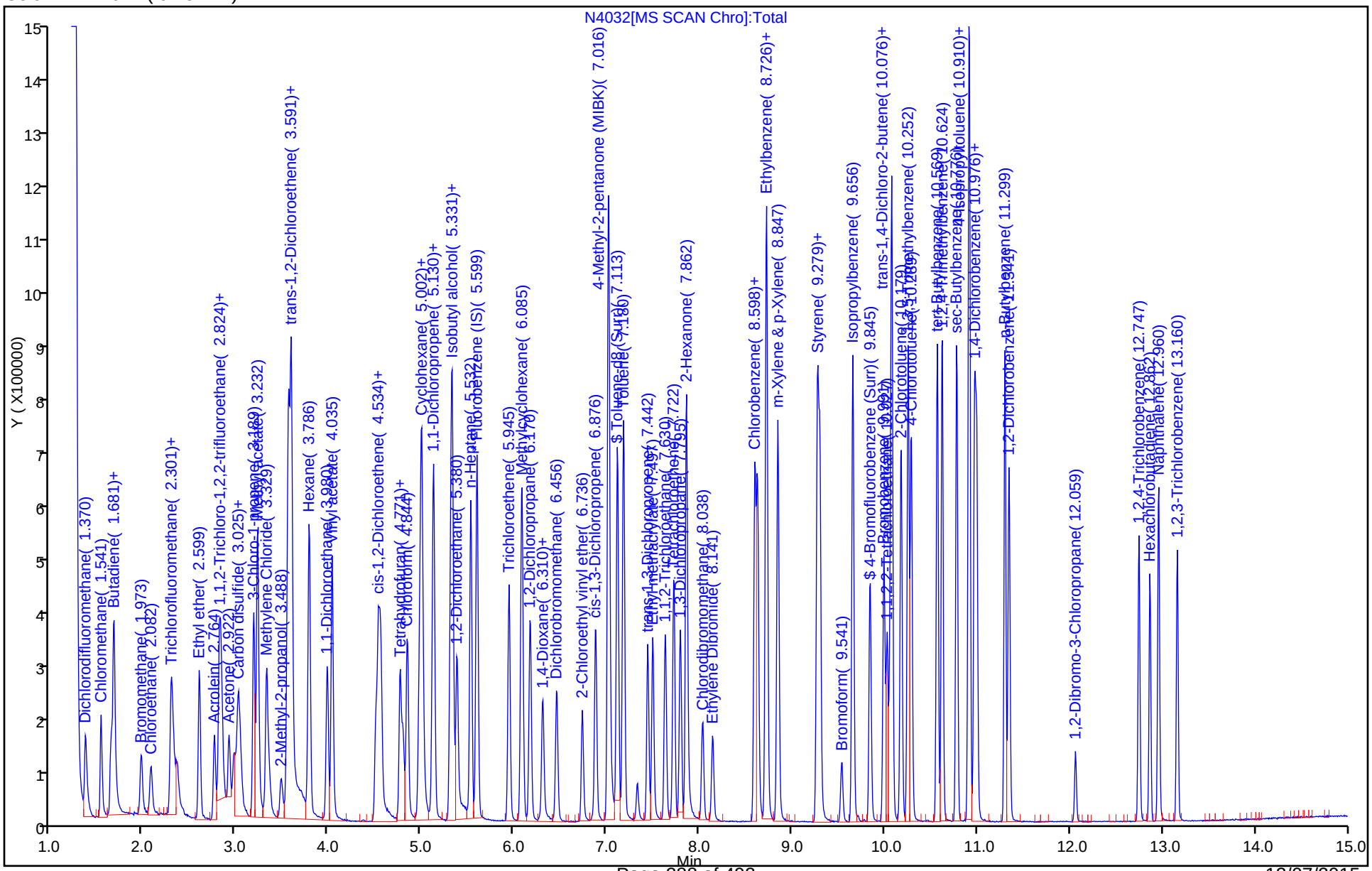
Report Date: 10-Nov-2015 11:26:52 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4032.D

Injection Date:	09-Nov-2015 19:39:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4033.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 09-Nov-2015 20:06:30 ALS Bottle#: 58 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0048174-012
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:53 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: HillL Date: 10-Nov-2015 10:20:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	119741	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	415905	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	213388	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	54	119510	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	160461	25.0	24.0	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	484451	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	90	149840	25.0	25.1	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	99	320403	50.0	49.2	
13 Chloromethane	50	1.541	1.541	0.000	99	360939	50.0	46.4	
14 Vinyl chloride	62	1.644	1.650	-0.006	98	326411	50.0	47.5	
144 Butadiene	54	1.681	1.681	0.000	94	336592	50.0	47.6	
15 Bromomethane	94	1.973	1.973	0.000	91	159418	50.0	47.1	
16 Chloroethane	64	2.076	2.082	-0.006	99	174743	50.0	43.1	
17 Dichlorofluoromethane	67	2.295	2.301	-0.006	99	402991	50.0	45.5	
18 Trichlorofluoromethane	101	2.313	2.313	0.000	97	378022	50.0	51.0	
19 Ethyl ether	59	2.599	2.599	0.000	96	307807	50.0	45.1	
20 Acrolein	56	2.764	2.764	0.000	99	345835	250.0	249.5	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	97	259252	50.0	45.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.831	0.006	91	223587	50.0	46.8	
23 Acetone	43	2.922	2.922	0.000	98	492639	250.0	233.4	
24 Iodomethane	142	3.001	2.977	0.024	98	404973	50.0	46.4	
25 Carbon disulfide	76	3.031	3.025	0.006	100	797054	50.0	46.3	
27 3-Chloro-1-propene	41	3.183	3.189	-0.006	88	525905	50.0	44.3	
28 Methyl acetate	43	3.226	3.232	-0.006	99	1545985	250.0	219.1	
30 Methylene Chloride	84	3.323	3.329	-0.006	98	280417	50.0	49.2	
31 2-Methyl-2-propanol	59	3.481	3.488	-0.007	96	223545	500.0	489.8	
32 Methyl tert-butyl ether	73	3.554	3.554	0.000	99	889092	50.0	45.6	
33 trans-1,2-Dichloroethene	96	3.567	3.573	-0.006	98	278302	50.0	45.7	
34 Acrylonitrile	53	3.591	3.591	0.000	99	1443276	500.0	483.2	
35 Hexane	57	3.786	3.786	0.000	95	471078	50.0	44.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	514586	50.0	44.8	
39 Vinyl acetate	43	4.035	4.035	0.000	98	1455285	100.0	100.1	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	91	220047	50.0	45.1	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	80	292364	50.0	45.2	
44 2-Butanone (MEK)	43	4.558	4.564	-0.006	99	963674	250.0	249.2	
47 Chlorobromomethane	128	4.771	4.771	0.000	96	148300	50.0	46.8	
49 Tetrahydrofuran	42	4.795	4.802	-0.007	91	262439	100.0	96.3	
50 Chloroform	83	4.850	4.850	0.000	95	472334	50.0	45.0	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	366266	50.0	46.8	
52 Cyclohexane	56	5.002	5.002	0.000	95	458638	50.0	45.7	
53 Carbon tetrachloride	117	5.124	5.124	0.000	97	326803	50.0	49.0	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	93	371876	50.0	47.5	
56 Isobutyl alcohol	43	5.313	5.319	-0.006	91	426645	1250.0	1337.0	
55 Benzene	78	5.331	5.331	0.000	98	1058504	50.0	44.4	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	419009	50.0	44.2	
59 n-Heptane	43	5.532	5.532	0.000	95	501409	50.0	43.9	
60 Trichloroethene	95	5.945	5.945	0.000	96	280188	50.0	46.8	
62 Methylcyclohexane	83	6.085	6.085	0.000	95	460436	50.0	45.9	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	89	272560	50.0	48.1	
64 Dibromomethane	93	6.304	6.304	0.000	93	167392	50.0	48.6	
66 1,4-Dioxane	88	6.316	6.322	-0.006	35	54923	1000.0	1005.1	
67 Dichlorobromomethane	83	6.456	6.462	-0.006	98	339400	50.0	50.7	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	202401	50.0	55.2	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	91	419994	50.0	51.8	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.022	-0.006	97	715743	250.0	253.0	
73 Toluene	92	7.180	7.180	0.000	98	678895	50.0	46.2	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	390470	50.0	54.8	
77 Ethyl methacrylate	69	7.497	7.497	0.000	92	374971	50.0	54.0	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	205572	50.0	49.3	
79 Tetrachloroethene	166	7.722	7.728	-0.006	97	303900	50.0	45.8	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	98	420817	50.0	48.0	
82 2-Hexanone	43	7.862	7.862	0.000	97	1305717	250.0	257.4	
83 Chlorodibromomethane	129	8.038	8.038	0.000	91	247219	50.0	56.8	
84 Ethylene Dibromide	107	8.141	8.141	0.000	99	263686	50.0	52.0	
85 Chlorobenzene	112	8.628	8.628	0.000	93	729201	50.0	46.1	
89 1,1,1,2-Tetrachloroethane	131	8.725	8.726	-0.001	92	256844	50.0	50.9	
88 Ethylbenzene	91	8.725	8.726	-0.001	98	1199553	50.0	46.4	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	507281	50.0	48.4	
91 o-Xylene	106	9.273	9.273	0.000	97	493547	50.0	46.6	
92 Styrene	104	9.297	9.303	-0.006	95	814839	50.0	50.2	
93 Bromoform	173	9.535	9.541	-0.006	96	144344	50.0	61.2	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	1195001	50.0	46.0	
97 Bromobenzene	156	9.991	9.991	0.000	95	314579	50.0	46.8	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	96	334368	50.0	48.3	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	89	114859	50.0	47.8	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	1356807	50.0	46.7	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	78	124724	50.0	51.8	
102 2-Chlorotoluene	126	10.179	10.179	0.000	96	289869	50.0	47.0	
104 1,3,5-Trimethylbenzene	105	10.252	10.252	0.000	95	980901	50.0	45.8	
105 4-Chlorotoluene	91	10.289	10.289	0.000	98	973500	50.0	47.1	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	231477	50.0	47.0	
108 1,2,4-Trimethylbenzene	105	10.624	10.624	0.000	97	1009962	50.0	47.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	1199466	50.0	45.9	
110 1,3-Dichlorobenzene	146	10.909	10.910	-0.001	97	577127	50.0	45.9	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	1075932	50.0	45.9	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	95	597196	50.0	45.9	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	889244	50.0	47.0	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	548747	50.0	46.1	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	86	59192	50.0	47.3	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	320569	50.0	47.5	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	97	150187	50.0	42.1	
121 Naphthalene	128	12.960	12.960	0.000	97	954343	50.0	49.0	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	96	288408	50.0	45.2	
S 125 Total BTEX	1				0			232.0	
S 126 Xylenes, Total	1				0			94.9	
S 123 1,3-Dichloropropene, Total	1				0			106.7	
S 124 1,2-Dichloroethene, Total	1				0			90.9	

Reagents:

8260 CORP mix_00058	Amount Added: 25.00	Units: uL	
GAS CORP mix_00119	Amount Added: 25.00	Units: uL	
N_8260_Surr_00155	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added: 1.00	Units: uL	Run Reagent

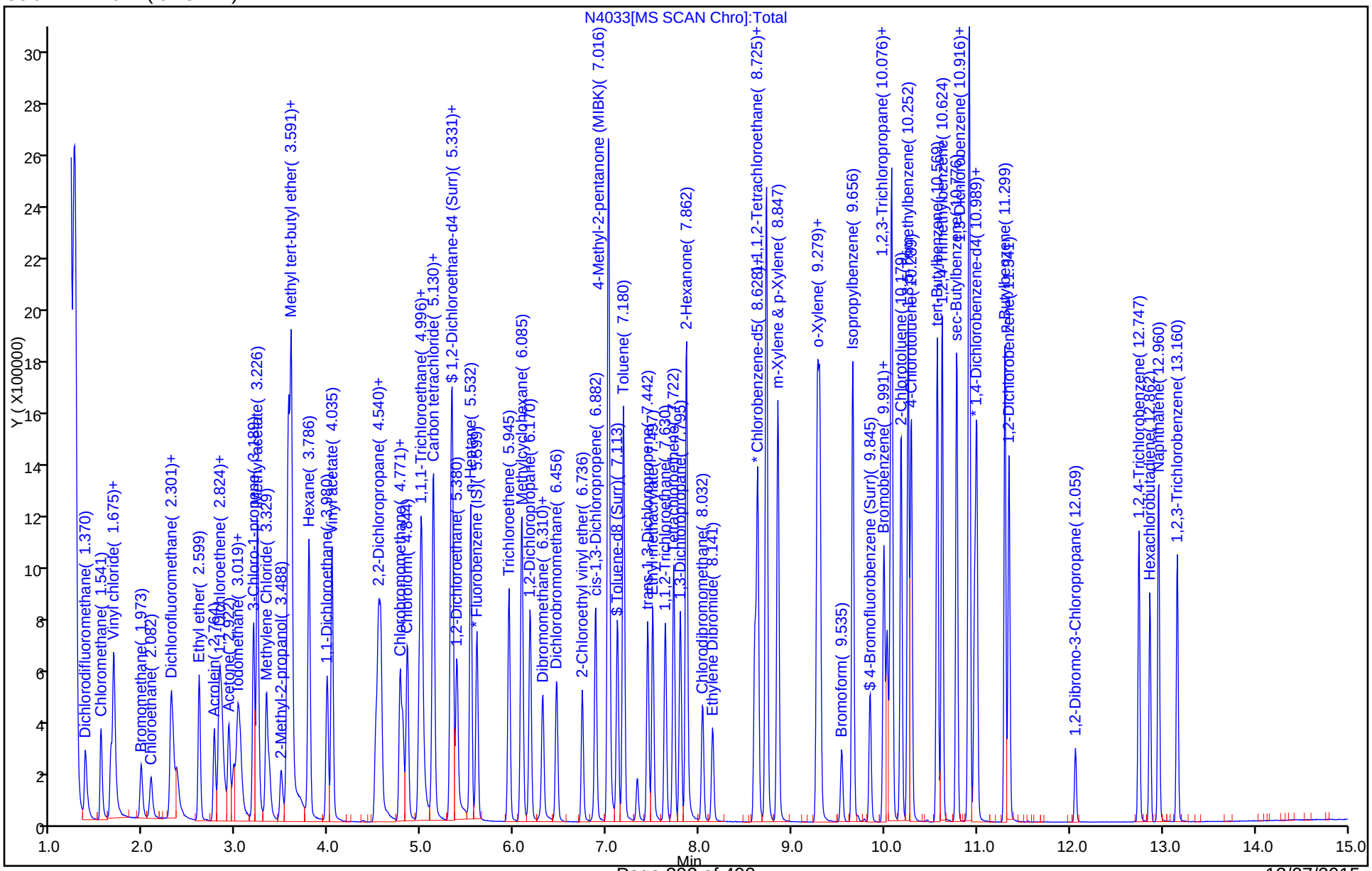
Report Date: 10-Nov-2015 11:26:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4033.D

Injection Date:	09-Nov-2015 20:06:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4034.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 09-Nov-2015 20:32:30 ALS Bottle#: 59 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0048174-013
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:55 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: HillL Date: 10-Nov-2015 10:15:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.598	5.599	-0.001	98	118795	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	421641	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	206459	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	45	123306	25.0	25.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	163519	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	499183	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	150207	25.0	24.8	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	99	574776	100.0	89.0	
13 Chloromethane	50	1.541	1.541	0.000	99	706605	100.0	91.5	
14 Vinyl chloride	62	1.650	1.650	0.000	98	626448	100.0	91.9	
144 Butadiene	54	1.681	1.681	0.000	94	617889	100.0	88.1	
15 Bromomethane	94	1.973	1.973	0.000	91	304712	100.0	90.7	
16 Chloroethane	64	2.076	2.082	-0.006	100	335860	100.0	83.4	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	98	783144	100.0	89.1	
18 Trichlorofluoromethane	101	2.313	2.313	0.000	98	692858	100.0	94.2	
19 Ethyl ether	59	2.599	2.599	0.000	96	606119	100.0	89.4	
20 Acrolein	56	2.764	2.764	0.000	99	581709	500.0	423.1	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	97	494509	100.0	88.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.830	2.831	-0.001	92	444773	100.0	93.8	
23 Acetone	43	2.922	2.922	0.000	99	844007	500.0	403.0	
24 Iodomethane	142	2.995	2.977	0.018	99	813943	100.0	94.0	
25 Carbon disulfide	76	3.025	3.025	0.000	100	1537218	100.0	89.9	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	90	1016533	100.0	86.3	
28 Methyl acetate	43	3.226	3.232	-0.006	98	2745262	500.0	392.2	
30 Methylene Chloride	84	3.329	3.329	0.000	98	547701	100.0	97.8	
31 2-Methyl-2-propanol	59	3.487	3.488	-0.001	97	411850	1000.0	909.6	
32 Methyl tert-butyl ether	73	3.554	3.554	0.000	99	1733038	100.0	89.6	
33 trans-1,2-Dichloroethene	96	3.567	3.573	-0.006	97	541163	100.0	89.6	
34 Acrylonitrile	53	3.597	3.591	0.006	98	2399418	1000.0	809.8	
35 Hexane	57	3.786	3.786	0.000	95	851739	100.0	81.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	96	1009629	100.0	88.6	
39 Vinyl acetate	43	4.035	4.035	0.000	98	2813808	200.0	195.2	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	93	417865	100.0	86.4	
43 cis-1,2-Dichloroethene	96	4.540	4.534	0.006	80	579340	100.0	90.4	
44 2-Butanone (MEK)	43	4.558	4.564	-0.006	99	1855124	500.0	483.6	
47 Chlorobromomethane	128	4.771	4.771	0.000	97	290007	100.0	92.3	
49 Tetrahydrofuran	42	4.795	4.802	-0.007	90	516447	200.0	191.1	
50 Chloroform	83	4.844	4.850	-0.006	95	926044	100.0	88.9	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	715336	100.0	92.1	
52 Cyclohexane	56	5.002	5.002	0.000	95	909767	100.0	91.4	
53 Carbon tetrachloride	117	5.124	5.124	0.000	96	636361	100.0	96.3	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	91	701208	100.0	90.4	
56 Isobutyl alcohol	43	5.319	5.319	0.000	95	846733	2500.0	2674.6	
55 Benzene	78	5.331	5.331	0.000	99	2038085	100.0	86.3	
57 1,2-Dichloroethane	62	5.379	5.380	-0.001	97	841436	100.0	89.4	
59 n-Heptane	43	5.532	5.532	0.000	95	954982	100.0	84.2	
60 Trichloroethene	95	5.945	5.945	0.000	96	542871	100.0	91.4	
62 Methylcyclohexane	83	6.085	6.085	0.000	95	858670	100.0	86.3	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	90	541697	100.0	96.3	
64 Dibromomethane	93	6.310	6.304	0.006	93	337614	100.0	98.8	
66 1,4-Dioxane	88	6.316	6.322	-0.006	34	110079	2000.0	1965.5	
67 Dichlorobromomethane	83	6.456	6.462	-0.006	98	701035	100.0	105.5	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	409157	100.0	112.4	
71 cis-1,3-Dichloropropene	75	6.876	6.882	-0.006	91	859149	100.0	106.9	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.022	0.000	95	1424670	500.0	496.8	
73 Toluene	92	7.180	7.180	0.000	98	1318407	100.0	88.5	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	800639	100.0	110.9	
77 Ethyl methacrylate	69	7.497	7.497	0.000	93	767127	100.0	108.9	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	92	400753	100.0	94.8	
79 Tetrachloroethene	166	7.722	7.728	-0.006	98	579678	100.0	86.1	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	98	827312	100.0	93.1	
82 2-Hexanone	43	7.862	7.862	0.000	96	2469912	500.0	480.4	
83 Chlorodibromomethane	129	8.032	8.038	-0.006	91	529084	100.0	119.9	
84 Ethylene Dibromide	107	8.141	8.141	0.000	99	527815	100.0	102.6	
85 Chlorobenzene	112	8.628	8.628	0.000	93	1409603	100.0	88.0	
89 1,1,1,2-Tetrachloroethane	131	8.725	8.726	-0.001	93	520540	100.0	101.7	
88 Ethylbenzene	91	8.725	8.726	-0.001	98	2240146	100.0	85.5	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	961478	100.0	90.4	
91 o-Xylene	106	9.273	9.273	0.000	96	951383	100.0	88.5	
92 Styrene	104	9.303	9.303	0.000	95	1574702	100.0	95.7	
93 Bromoform	173	9.535	9.541	-0.006	97	314733	100.0	131.7	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	2151946	100.0	85.6	
97 Bromobenzene	156	9.991	9.991	0.000	94	607885	100.0	93.5	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	95	650878	100.0	97.2	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	89	218448	100.0	93.9	
100 N-Propylbenzene	91	10.076	10.076	0.000	97	2419860	100.0	86.2	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	77	248961	100.0	106.8	
102 2-Chlorotoluene	126	10.179	10.179	0.000	96	544922	100.0	91.4	
104 1,3,5-Trimethylbenzene	105	10.252	10.252	0.000	96	1767483	100.0	85.3	
105 4-Chlorotoluene	91	10.289	10.289	0.000	98	1811758	100.0	90.6	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	429681	100.0	90.2	
108 1,2,4-Trimethylbenzene	105	10.624	10.624	0.000	97	1848581	100.0	89.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	2148380	100.0	85.0	
110 1,3-Dichlorobenzene	146	10.909	10.910	-0.001	98	1094492	100.0	89.9	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	96	1977624	100.0	87.2	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	94	1114055	100.0	88.6	
115 n-Butylbenzene	91	11.299	11.299	0.000	96	1659154	100.0	90.7	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	1052891	100.0	91.5	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	83	127473	100.0	104.5	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	731377	100.0	112.0	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	98	356038	100.0	103.1	
121 Naphthalene	128	12.960	12.960	0.000	98	2064818	100.0	109.5	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	95	710208	100.0	115.1	
S 125 Total BTEX	1				0			439.2	
S 126 Xylenes, Total	1				0			179.0	
S 123 1,3-Dichloropropene, Total	1				0			217.8	
S 124 1,2-Dichloroethene, Total	1				0			180.0	

Reagents:

8260 CORP mix_00058	Amount Added: 50.00	Units: uL	
GAS CORP mix_00119	Amount Added: 50.00	Units: uL	
N_8260_Surr_00155	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00006	Amount Added: 1.00	Units: uL	Run Reagent

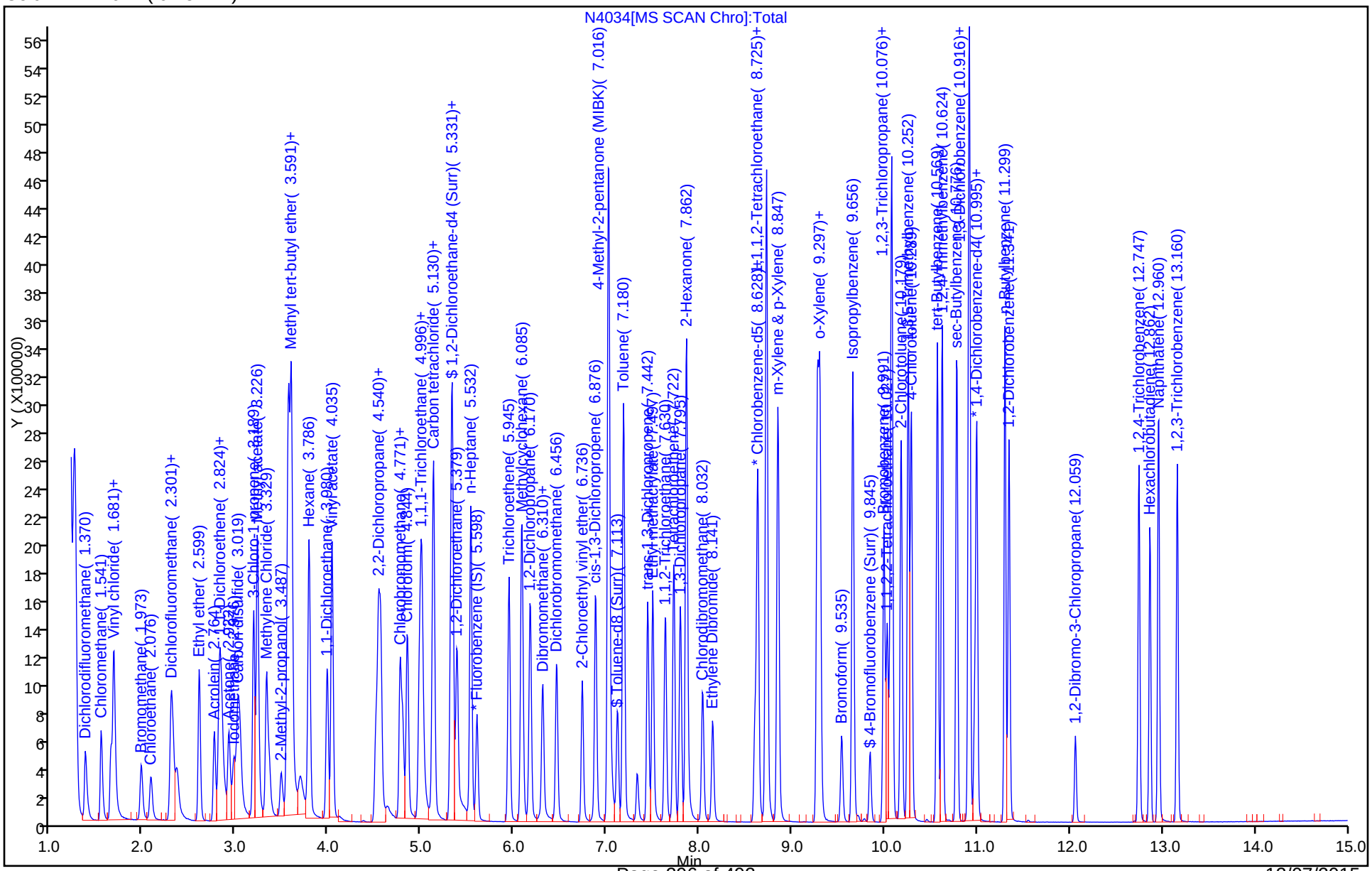
Report Date: 10-Nov-2015 11:26:56 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4034.D

Injection Date:	09-Nov-2015 20:32:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	59
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-269838/6	T0342.D
Level 2	IC 480-269838/7	T0343.D
Level 3	IC 480-269838/8	T0344.D
Level 4	IC 480-269838/9	T0345.D
Level 5	ICIS 480-269838/10	T0346.D
Level 6	IC 480-269838/11	T0347.D
Level 7	IC 480-269838/12	T0348.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.6502 1.5777	2.0851 1.6274	1.8785	1.7782	1.7530	Ave		1.7643			0.1000	9.9		20.0			
Chloromethane	2.8885 1.9281	2.5513 1.9900	2.1971	2.1942	2.0625	Ave		2.2588			0.1000	15.2		20.0			
Butadiene	2.0901 1.6511	2.4096 1.6724	1.8631	1.8582	1.7594	Ave		1.9006				14.1		20.0			
Vinyl chloride	2.0695 1.6343	2.0766 1.6661	1.8834	1.8353	1.7682	Ave		1.8476			0.1000	9.6		20.0			
Bromomethane	+++++ 0.8804	1.4619 0.9407	0.9787	0.9218	0.9219	Lin1	0.4691	0.9105			0.1000				0.9990		0.9900
Chloroethane	+++++ 0.8071	0.9987 0.8378	0.7614	0.8423	0.8237	Ave		0.8452			0.1000	9.6		20.0			
Dichlorofluoromethane	4.5514 2.1120	3.2731 2.1396	2.2789	2.4053	2.2823	Lin1	1.0476	2.1412							0.9990		0.9900
Trichlorofluoromethane	2.0897 1.9103	2.1707 1.9737	2.1379	2.0862	2.0639	Ave		2.0618			0.1000	4.4		20.0			
Ethyl ether	+++++ 1.0839	1.2739 1.0746	1.2252	1.1840	1.1354	Ave		1.1628				6.8		20.0			
Acrolein	+++++ 0.1460	0.2140 0.1421	0.1577	0.1556	0.1580	Lin1	0.3940	0.1442							0.9990		0.9900
1,1-Dichloroethene	1.3978 1.3819	1.9018 1.3582	1.5399	1.4876	1.4756	Ave		1.5061			0.1000	12.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5748 1.4078	1.7573 1.4075	1.5672	1.5203	1.4981	Ave		1.5333			0.1000	7.8		20.0			
Acetone	+++++ 0.3859	0.7563 0.3869	0.4223	0.4450	0.3970	Lin1	1.8205	0.3824			0.1000				0.9990		0.9900
Iodomethane	2.9765 2.5832	3.1662 2.6076	2.8449	2.8372	2.7274	Ave		2.8204				7.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	5.6218 4.7213	5.6874 4.7607	5.3147	5.0738	4.9573	Ave		5.1624			0.1000	7.6		20.0			
Allyl chloride	3.1233 2.8482	3.4804 2.7789	3.1956	3.0585	2.9241	Ave		3.0584				7.8		20.0			
Methyl acetate	1.2410 1.1696	1.2484 1.1622	1.2201	1.2022	1.1953	Ave		1.2056			0.1000	2.7		20.0			
Methylene Chloride	+++++ 1.5840	4.2045 1.5592	1.8682	1.9030	1.6894	Lin1	2.6003	1.5410			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1283 0.1368	0.1193 0.1380	0.1322	0.1329	0.1300	Ave		0.1311				4.8		20.0			
trans-1,2-Dichloroethene	1.9582 1.5595	1.8243 1.5246	1.7248	1.6367	1.6320	Ave		1.6943			0.1000	9.1		20.0			
Methyl tert-butyl ether	4.6938 3.8377	4.4710 3.8780	4.0225	4.0821	4.0102	Ave		4.1422			0.1000	7.7		20.0			
Acrylonitrile	0.5862 0.5278	0.4989 0.5311	0.5617	0.5398	0.5384	Ave		0.5406				5.1		20.0			
Hexane	+++++ 2.2675	3.4664 2.2874	2.6939	2.4659	2.4477	Lin1	1.3989	2.2854							0.9990		0.9900
1,1-Dichloroethane	3.1282 2.6141	3.0634 2.6125	2.8158	2.7915	2.7291	Ave		2.8221			0.2000	7.2		20.0			
Vinyl acetate	3.5026 3.4474	3.6603 3.4462	3.4573	3.4551	3.4710	Ave		3.4914				2.2		20.0			
2,2-Dichloropropane	2.7351 2.0054	2.5148 2.0070	2.3085	2.1270	2.1108	Ave		2.2584				12.3		20.0			
cis-1,2-Dichloroethene	2.3824 1.6874	2.0793 1.6891	1.9206	1.8205	1.7964	Ave		1.9108			0.1000	13.0		20.0			
2-Butanone (MEK)	0.6550 0.6478	0.6334 0.6652	0.6481	0.6644	0.6428	Ave		0.6510			0.1000	1.8		20.0			
Chlorobromomethane	1.1493 0.8617	0.9178 0.8449	0.9031	0.8894	0.8839	Ave		0.9214				11.2		20.0			
Tetrahydrofuran	+++++ 0.4549	0.6099 0.4646	0.5003	0.4701	0.4558	Ave		0.4926				12.1		20.0			
Chloroform	3.5133 2.4495	2.9652 2.4498	2.7886	2.6039	2.5294	Ave		2.7571			0.2000	13.9		20.0			
Cyclohexane	3.7412 2.7307	3.5561 2.7640	3.1199	2.9504	2.8875	Ave		3.1071			0.1000	12.7		20.0			
1,1,1-Trichloroethane	2.4853 2.1697	2.7927 2.1860	2.4523	2.3199	2.2269	Ave		2.3761			0.1000	9.3		20.0			
Carbon tetrachloride	2.2588 1.9588	2.2339 1.9918	2.2109	2.0689	2.0835	Ave		2.1152			0.1000	5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.2917 1.8821	2.1859 1.8979	2.1827	1.9649	1.9703	Ave		2.0536				7.9		20.0			
Benzene	6.5652 5.7239	6.7490 5.6972	6.3236	5.9646	5.8875	Ave		6.1301			0.5000	6.8		20.0			
Isobutyl alcohol	0.0652 0.0630	0.0522 0.0665	0.0589	0.0598	0.0597	Ave		0.0608				7.9		20.0			
1,2-Dichloroethane	2.4144 1.8725	2.2647 1.8591	2.0778	1.9517	1.9283	Ave		2.0526			0.1000	10.4		20.0			
n-Heptane	3.1571 2.7171	4.0327 2.6876	3.0678	2.9345	2.8747	Ave		3.0674				14.9		20.0			
Trichloroethene	2.1738 1.5594	1.8597 1.5399	1.6695	1.6568	1.6281	Ave		1.7267			0.2000	12.9		20.0			
Methylcyclohexane	2.5581 2.5443	3.4153 2.5672	2.7975	2.6404	2.7139	Ave		2.7481			0.1000	11.2		20.0			
1,2-Dichloropropane	2.0822 1.4786	1.6711 1.4928	1.5758	1.5826	1.5234	Ave		1.6295			0.1000	12.9		20.0			
Dibromomethane	0.9005 0.9178	0.9620 0.9204	0.9794	0.9827	0.9410	Ave		0.9434			0.1000	3.4		20.0			
1,4-Dioxane	+++++ 0.0036	0.0029 0.0036	0.0026	0.0030	0.0031	Ave		0.0031				12.2		20.0			
Bromodichloromethane	2.4674 1.8970	2.2559 1.9148	2.0281	1.9241	1.9640	Ave		2.0645			0.2000	10.5		20.0			
2-Chloroethyl vinyl ether	1.1568 0.9734	0.9491 0.9701	0.9664	1.0014	0.9734	Ave		0.9987				7.2		20.0			
cis-1,3-Dichloropropene	2.8609 2.3279	2.4809 2.3693	2.3860	2.3875	2.4704	Ave		2.4690			0.2000	7.3		20.0			
4-Methyl-2-pentanone (MIBK)	0.4972 0.3889	0.4060 0.3857	0.3792	0.3870	0.3773	Ave		0.4031			0.1000	10.6		20.0			
Toluene	+++++ 0.9439	1.1586 0.9230	1.0408	0.9887	0.9466	Ave		1.0003			0.4000	8.8		20.0			
trans-1,3-Dichloropropene	0.6024 0.5266	0.5071 0.5243	0.5182	0.5308	0.5154	Ave		0.5321			0.1000	6.0		20.0			
Ethyl methacrylate	0.6004 0.4516	0.4265 0.4531	0.4604	0.4345	0.4431	Ave		0.4671				12.8		20.0			
1,1,2-Trichloroethane	0.3723 0.2773	0.2860 0.2741	0.2893	0.2820	0.2686	Ave		0.2928			0.1000	12.2		20.0			
Tetrachloroethene	0.4494 0.4161	0.4748 0.4086	0.4439	0.4313	0.4134	Ave		0.4339			0.2000	5.5		20.0			
1,3-Dichloropropane	0.5924 0.5480	0.5855 0.5389	0.5424	0.5575	0.5399	Ave		0.5578				4.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2592 0.2616	0.2296 0.2555	0.2478	0.2504	0.2533	Ave		0.2511			0.1000	4.2		20.0			
Dibromochloromethane	0.4337 0.4138	0.4275 0.4121	0.3969	0.3946	0.4035	Ave		0.4117			0.1000	3.6		20.0			
1,2-Dibromoethane	0.3774 0.3513	0.3788 0.3546	0.3462	0.3543	0.3534	Ave		0.3594				3.6		20.0			
Chlorobenzene	1.1949 1.0674	1.2395 1.0579	1.1280	1.1022	1.0608	Ave		1.1216			0.5000	6.3		20.0			
Ethylbenzene	2.0747 1.7893	2.0651 1.7604	1.8895	1.8224	1.7800	Ave		1.8830			0.1000	7.1		20.0			
1,1,1,2-Tetrachloroethane	0.4481 0.3951	0.4135 0.3886	0.3984	0.3942	0.3871	Ave		0.4036				5.3		20.0			
m,p-Xylene	0.8455 0.7179	0.8168 0.7147	0.7797	0.7156	0.7246	Ave		0.7593			0.1000	7.2		20.0			
o-Xylene	0.8351 0.7188	0.8217 0.7108	0.7786	0.7236	0.7239	Ave		0.7589			0.3000	6.9		20.0			
Styrene	1.3087 1.2208	1.2241 1.2031	1.2916	1.2229	1.1955	Ave		1.2381			0.3000	3.6		20.0			
Bromoform	0.2299 0.2411	0.2276 0.2488	0.2258	0.2339	0.2362	Ave		0.2348			0.1000	3.5		20.0			
Isopropylbenzene	3.7242 3.4441	3.8836 3.4767	3.6513	3.5251	3.5150	Ave		3.6029			0.1000	4.4		20.0			
Bromobenzene	1.1135 0.8854	1.0764 0.8962	0.9698	0.9474	0.9127	Ave		0.9716				9.2		20.0			
1,1,2,2-Tetrachloroethane	1.1023 0.7888	0.8233 0.8048	0.7978	0.8133	0.8069	Ave		0.8482			0.3000	13.3		20.0			
N-Propylbenzene	4.9718 4.0640	4.6211 4.0461	4.4009	4.2204	4.1622	Ave		4.3552				7.8		20.0			
1,2,3-Trichloropropane	0.1963 0.2439	0.2466 0.2467	0.2497	0.2495	0.2545	Ave		0.2410				8.3		20.0			
trans-1,4-Dichloro-2-butene	0.3104 0.2711	0.3051 0.2762	0.2708	0.2698	0.2766	Ave		0.2829				6.1		20.0			
2-Chlorotoluene	1.0187 0.8380	0.9257 0.8436	0.8883	0.8753	0.8511	Ave		0.8915				7.2		20.0			
1,3,5-Trimethylbenzene	3.3632 2.9357	3.4109 2.9593	3.0595	3.0979	2.9382	Ave		3.1092				6.4		20.0			
4-Chlorotoluene	3.5862 2.7657	3.0716 2.8347	2.8670	2.8798	2.8324	Ave		2.9768				9.6		20.0			
tert-Butylbenzene	0.7350 0.6418	0.7095 0.6610	0.6723	0.6517	0.6797	Ave		0.6787				4.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.6909 2.9942	3.3254 3.0738	3.2009	3.1712	3.0103	Ave		3.2095				7.5		20.0			
sec-Butylbenzene	4.5076 3.7953	4.4951 3.8610	4.1038	3.9715	3.9203	Ave		4.0935				7.2		20.0			
1,3-Dichlorobenzene	2.2794 1.7068	1.8322 1.7287	1.7957	1.8138	1.7466	Ave		1.8433			0.6000	10.7		20.0			
4-Isopropyltoluene	3.6422 3.2721	3.6408 3.3408	3.4025	3.4126	3.3535	Ave		3.4378				4.3		20.0			
1,4-Dichlorobenzene	2.0964 1.7293	1.9487 1.7477	1.8234	1.8217	1.7700	Ave		1.8482			0.5000	7.1		20.0			
n-Butylbenzene	3.4727 2.9408	3.2816 3.0196	3.0837	3.0480	3.0515	Ave		3.1283				5.9		20.0			
1,2-Dichlorobenzene	1.9732 1.6581	1.9056 1.6945	1.7577	1.7635	1.7069	Ave		1.7799			0.4000	6.5		20.0			
1,2-Dibromo-3-Chloropropane	0.1232 0.1285	0.1497 0.1359	0.1360	0.1373	0.1359	Ave		0.1352			0.0500	6.1		20.0			
1,2,4-Trichlorobenzene	1.3999 1.2090	1.2410 1.2321	1.1899	1.2477	1.2403	Ave		1.2514			0.2000	5.5		20.0			
Hexachlorobutadiene	0.6106 0.5029	0.5810 0.5159	0.5541	0.5285	0.5265	Ave		0.5456				7.1		20.0			
Naphthalene	3.0494 2.9760	3.0028 3.0636	2.9110	3.0250	2.9666	Ave		2.9992				1.8		20.0			
1,2,3-Trichlorobenzene	1.4915 1.1381	1.1986 1.1760	1.1886	1.1940	1.1564	Ave		1.2205				10.0		20.0			
Dibromofluoromethane (Surr)	1.3672 1.3582	1.3969 1.3773	1.3965	1.4047	1.3752	Ave		1.3823				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	1.4126 1.3742	1.3827 1.3602	1.3977	1.4001	1.3927	Ave		1.3886				1.3		20.0			
Toluene-d8 (Surr)	1.2688 1.2865	1.2659 1.2673	1.2699	1.2864	1.2566	Ave		1.2716				0.9		20.0			
4-Bromofluorobenzene (Surr)	0.3997 0.4152	0.4028 0.4085	0.4120	0.4068	0.4010	Ave		0.4066				1.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-269838/6	T0342.D
Level 2	IC 480-269838/7	T0343.D
Level 3	IC 480-269838/8	T0344.D
Level 4	IC 480-269838/9	T0345.D
Level 5	ICIS 480-269838/10	T0346.D
Level 6	IC 480-269838/11	T0347.D
Level 7	IC 480-269838/12	T0348.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3766 472528	11641 991983	52520	101158	252991	0.400 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	6592 577457	14244 1213036	61429	124822	297655	0.400 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	4770 494512	13453 1019457	52091	105708	253908	0.400 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	4723 489481	11594 1015598	52657	104407	255185	0.400 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Lin1	+++++ 263670	8162 573447	27364	52440	133050	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	+++++ 241730	5576 510697	21287	47915	118881	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Lin1	10387 632542	18274 1304248	63714	136829	329383	0.400 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	4769 572132	12119 1203125	59774	118679	297852	0.400 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	+++++ 324627	7112 655010	34254	67356	163857	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Lin1	+++++ 218672	5974 433206	22039	44252	114024	+++++ 250	5.00 500	25.0	50.0	125
1,1-Dichloroethene	FB	Ave	3190 413869	10618 827926	43053	84624	212954	0.400 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	3594 421638	9811 857973	43818	86486	216201	0.400 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Lin1	+++++ 577835	21112 1179318	59036	126586	286461	+++++ 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	6793 773679	17677 1589488	79541	161402	393611	0.400 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	12830 1414044	31753 2901957	148593	288635	715427	0.400 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	7128 853051	19431 1693918	89344	173992	422007	0.400 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	14161 1751538	34850 3542189	170564	341958	862549	2.00 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	+++++ 474408	23474 950424	52232	108258	243804	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	2927 409791	6660 841337	36974	75615	187584	4.00 500	10.0 1000	50.0	100	250
trans-1,2-Dichloroethene	FB	Ave	4469 467074	10185 929339	48223	93110	235526	0.400 50.0	1.00 100	5.00	10.0	25.0
Methyl tert-butyl ether	FB	Ave	10712 1149409	24962 2363869	112464	232219	578742	0.400 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	13379 1580744	27852 3237162	157054	307091	776980	4.00 500	10.0 1000	50.0	100	250
Hexane	FB	Lin1	+++++ 679124	19353 1394298	75319	140278	353249	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	7139 782927	17103 1592514	78725	158803	393861	0.400 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	15987 2065004	40871 4201417	193324	393109	1001859	0.800 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	6242 600613	14040 1223394	64544	121002	304630	0.400 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	5437 505378	11609 1029628	53697	103565	259248	0.400 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	7474 970014	17682 2027517	90601	188982	463823	2.00 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	2623 258068	5124 515010	25249	50596	127559	0.400 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	+++++ 272487	6810 566439	27977	53481	131547	+++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	8018 733630	16555 1493312	77967	148127	365039	0.400 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	8538 817865	19854 1684830	87228	167840	416714	0.400 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	5672 649831	15592 1332515	68563	131976	321384	0.400 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	5155 586666	12472 1214122	61814	117694	300687	0.400 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	5230 563700	12204 1156903	61026	111777	284352	0.400 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	14983 1714318	37680 3472812	176800	339309	849667	0.400 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	3722 471390	7282 1013686	41199	85095	215545	10.0 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	5510 560807	12644 1133264	58092	111025	278294	0.400 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	7205 813791	22515 1638287	85771	166935	414876	0.400 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	4961 467033	10383 938643	46676	94252	234957	0.400 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	5838 762017	19068 1564865	78214	150205	391666	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	4752 442843	9330 909958	44058	90029	219856	0.400 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	2055 274888	5371 561021	27384	55904	135806	0.400 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	+++++ 84758	1333 176291	5925	14076	36923	+++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	5631 568145	12595 1167213	56704	109455	283434	0.400 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	2640 291536	5299 591362	27018	56970	140481	0.400 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	6529 697221	13851 1444252	66709	135817	356530	0.400 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	22976 2321199	46426 4734125	215653	452419	1123570	2.00 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	+++++ 1126791	26493 2265937	118393	231167	563692	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	5567 628579	11595 1287056	58940	124119	306902	0.400 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	5549 539026	9753 1112221	52372	101587	263861	0.400 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	3441 331028	6539 672991	32908	65943	159983	0.400 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	4153 496707	10857 1003205	50497	100847	246159	0.400 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	5475 654123	13388 1323051	61693	130343	321501	0.400 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	11977 1561120	26253 3136604	140920	292789	754099	2.00 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	4008 493966	9776 1011655	45151	92264	240296	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBZ	Ave	3488 419326	8662 870640	39385	82833	210460	0.400 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	11043 1274208	28345 2597198	128306	257719	631755	0.400 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	19174 2135915	47222 4321690	214928	426107	1059997	0.400 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4141 471650	9456 954088	45314	92179	230542	0.400 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	7814 856974	18679 1754657	88685	167327	431485	0.400 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	7718 858085	18790 1744990	88568	169188	431100	0.400 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	12095 1457235	27992 2953640	146920	285944	711916	0.400 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	2125 287777	5204 610906	25685	54682	140655	0.400 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	17683 2194256	45650 4437075	220072	434212	1093444	0.400 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	5287 564076	12653 1143722	58453	116698	283926	0.400 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	5234 502533	9678 1027062	48082	100181	251020	0.400 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	23607 2589157	54319 5163839	265253	519864	1294756	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	932 155421	2899 314903	15048	30736	79183	0.400 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1474 172709	3586 352519	16323	33232	86039	0.400 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	4837 533884	10881 1076646	53541	107819	264771	0.400 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	15969 1870350	40094 3776768	184401	381598	913998	0.400 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	17028 1762049	36105 3617797	172799	354725	881094	0.400 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	3490 408902	8340 843615	40522	80276	211436	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	17525 1907604	39089 3922901	192925	390619	936417	0.400 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	21403 2418016	52838 4927554	247342	489203	1219493	0.400 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	10823 1087399	21537 2206270	108228	223415	543317	0.400 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	17294 2084645	42796 4263693	205076	420355	1043182	0.400 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1 Analy Batch No.: 269838

SDG No.:

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/20/2015 15:37 Calibration End Date: 10/20/2015 17:59 Calibration ID: 25308

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	9954 1101727	22906 2230536	109897	224397	550611	0.400 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	16489 1873571	38574 3853749	185858	375445	949236	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	9369 1056407	22400 2162571	105938	217220	530960	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	585 81858	1760 173498	8195	16909	42286	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	6647 770260	14587 1572503	71715	153690	385837	0.400 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	2899 320381	6830 658360	33395	65102	163776	0.400 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	14479 1896035	35297 3909914	175449	372614	922840	0.400 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	7082 725091	14089 1500834	71641	147070	359718	0.400 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	195018 203388	194970 209884	195221	199773	198470	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	201490 205786	192996 207276	195392	199122	200997	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	732869 767845	723679 777811	722241	751954	748316	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	230880 247790	230261 250732	234328	237812	238832	25.0 25.0	25.0 25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0342.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Oct-2015 15:37:30 ALS Bottle#: 66 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0047466-006
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:09:58 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 21-Oct-2015 08:39:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.346	4.346	0.000	99	142636	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	86	577616	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	95	296761	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	94	195018	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.139	-0.011	0	201490	25.0	25.4	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	93	732869	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	90	230880	25.0	24.6	
11 Dichlorodifluoromethane	85	1.009	1.019	-0.010	37	3766	0.4000	0.3741	
13 Chloromethane	50	1.081	1.102	-0.021	75	6592	0.4000	0.5115	
151 Butadiene	54	1.175	1.196	-0.021	95	4770	0.4000	0.4399	
14 Vinyl chloride	62	1.164	1.196	-0.032	71	4723	0.4000	0.4480	
15 Bromomethane	94	1.392	1.403	-0.011	81	3659	0.4000	0.1891	
16 Chloroethane	64	1.454	1.465	-0.011	67	3325	0.4000	0.6895	
18 Dichlorofluoromethane	67	1.620	1.652	-0.032	95	10387	0.4000	0.3610	
17 Trichlorofluoromethane	101	1.651	1.672	-0.021	38	4769	0.4000	0.4054	
19 Ethyl ether	59	1.848	1.859	-0.011	61	3930	0.4000	0.5924	
21 Acrolein	56		2.025				ND	ND	
22 1,1-Dichloroethene	96	2.024	2.045	-0.021	94	3190	0.4000	0.3712	
20 1,1,2-Trichloro-1,2,2-trif	101	2.045	2.056	-0.011	65	3594	0.4000	0.4108	
23 Acetone	43	2.159	2.170	-0.011	96	8814	2.00	-0.7207	
24 Iodomethane	142	2.169	2.180	-0.011	89	6793	0.4000	0.4221	
25 Carbon disulfide	76	2.201	2.211	-0.010	100	12830	0.4000	0.4356	
27 3-Chloro-1-propene	41	2.366	2.367	-0.001	94	7128	0.4000	0.4085	
28 Methyl acetate	43	2.418	2.418	0.000	96	14161	2.00	2.06	
30 Methylene Chloride	84	2.480	2.501	-0.021	98	13618	0.4000	-0.1385	
31 2-Methyl-2-propanol	59	2.677	2.677	0.000	42	2927	4.00	3.91	
32 trans-1,2-Dichloroethene	96	2.688	2.688	0.000	95	4469	0.4000	0.4623	
33 Methyl tert-butyl ether	73	2.688	2.698	-0.010	93	10712	0.4000	0.4533	
34 Acrylonitrile	53	2.750	2.750	0.000	79	13379	4.00	4.34	
35 Hexane	57	2.843	2.854	-0.011	93	9481	0.4000	0.1150	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.030	3.040	-0.010	93	7139	0.4000	0.4434	
39 Vinyl acetate	43	3.102	3.102	0.000	94	15987	0.8000	0.8026	
42 2,2-Dichloropropane	77	3.475	3.486	-0.011	60	6242	0.4000	0.4844	
43 cis-1,2-Dichloroethene	96	3.496	3.507	-0.011	78	5437	0.4000	0.4987	
44 2-Butanone (MEK)	43	3.569	3.558	0.010	99	7474	2.00	2.01	
47 Chlorobromomethane	128	3.682	3.693	-0.011	87	2623	0.4000	0.4989	
48 Tetrahydrofuran	42	3.734	3.724	0.010	72	4453	0.8000	1.58	M
50 Chloroform	83	3.755	3.766	-0.011	94	8018	0.4000	0.5097	
51 1,1,1-Trichloroethane	97	3.848	3.849	-0.001	95	5672	0.4000	0.4184	
52 Cyclohexane	56	3.838	3.849	-0.011	86	8538	0.4000	0.4816	
53 Carbon tetrachloride	117	3.952	3.963	-0.010	89	5155	0.4000	0.4272	
54 1,1-Dichloropropene	75	3.962	3.973	-0.011	88	5230	0.4000	0.4464	
55 Benzene	78	4.128	4.139	-0.011	46	14983	0.4000	0.4284	
56 Isobutyl alcohol	43	4.180	4.180	0.000	31	3722	10.0	10.7	
57 1,2-Dichloroethane	62	4.190	4.190	0.000	94	5510	0.4000	0.4705	
59 n-Heptane	43	4.273	4.284	-0.011	93	7205	0.4000	0.4117	
60 Trichloroethene	95	4.615	4.615	0.000	90	4961	0.4000	0.5036	
62 Methylcyclohexane	83	4.708	4.709	-0.001	94	5838	0.4000	0.3723	
63 1,2-Dichloropropane	63	4.812	4.812	0.000	93	4752	0.4000	0.5111	
65 Dibromomethane	93	4.905	4.906	-0.001	85	2055	0.4000	0.3818	
66 1,4-Dioxane	88	4.968	4.937	0.031	0	474	8.00	6.56	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	91	5631	0.4000	0.4781	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	87	2640	0.4000	0.4633	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	90	6529	0.4000	0.4635	
72 4-Methyl-2-pentanone (MIBK	43	5.486	5.476	0.010	94	22976	2.00	2.47	
73 Toluene	92	5.569	5.569	0.000	98	13064	0.4000	0.5653	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	95	5567	0.4000	0.4528	
77 Ethyl methacrylate	69	5.838	5.828	0.010	91	5549	0.4000	0.5142	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	84	3441	0.4000	0.5086	
79 Tetrachloroethene	166	5.962	5.963	-0.001	94	4153	0.4000	0.4142	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	93	5475	0.4000	0.4248	
81 2-Hexanone	43	6.118	6.108	0.010	97	11977	2.00	2.06	
82 Chlorodibromomethane	129	6.221	6.222	-0.001	90	4008	0.4000	0.4213	
83 Ethylene Dibromide	107	6.294	6.294	0.000	94	3488	0.4000	0.4200	
86 Chlorobenzene	112	6.646	6.657	-0.011	43	11043	0.4000	0.4262	
88 Ethylbenzene	91	6.729	6.719	0.010	98	19174	0.4000	0.4407	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	45	4141	0.4000	0.4441	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	7814	0.4000	0.4454	
91 o-Xylene	106	7.133	7.134	-0.001	94	7718	0.4000	0.4401	
92 Styrene	104	7.154	7.154	0.000	96	12095	0.4000	0.4228	
93 Bromoform	173	7.330	7.330	0.000	85	2125	0.4000	0.3918	
95 Isopropylbenzene	105	7.413	7.413	0.000	94	17683	0.4000	0.4135	
97 Bromobenzene	156	7.672	7.672	0.000	92	5287	0.4000	0.4584	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	91	5234	0.4000	0.5199	
99 N-Propylbenzene	91	7.745	7.745	0.000	98	23607	0.4000	0.4566	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	47	932	0.4000	0.3257	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	43	1474	0.4000	0.4390	
105 2-Chlorotoluene	126	7.817	7.818	-0.001	96	4837	0.4000	0.4571	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	94	15969	0.4000	0.4327	
102 4-Chlorotoluene	91	7.911	7.911	0.000	96	17028	0.4000	0.4819	
106 tert-Butylbenzene	134	8.139	8.139	0.000	93	3490	0.4000	0.4332	
107 1,2,4-Trimethylbenzene	105	8.190	8.191	-0.001	97	17525	0.4000	0.4600	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	21403	0.4000	0.4405	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	94	10823	0.4000	0.4946	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	17294	0.4000	0.4238	
113 1,4-Dichlorobenzene	146	8.501	8.502	-0.001	91	9954	0.4000	0.4537	
115 n-Butylbenzene	91	8.771	8.771	0.000	96	16489	0.4000	0.4440	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	95	9369	0.4000	0.4434	
117 1,2-Dibromo-3-Chloropropan	75	9.465	9.476	-0.011	1	585	0.4000	0.3645	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	93	6647	0.4000	0.4475	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	90	2899	0.4000	0.4476	
121 Naphthalene	128	10.325	10.325	0.000	97	14479	0.4000	0.4067	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	95	7082	0.4000	0.4888	
S 123 1,3-Dichloropropene, Total	1				0			0.9163	
S 124 1,2-Dichloroethene, Total	1				0			0.9610	
S 125 Total BTEX	1				0			2.32	
S 126 Xylenes, Total	1				0			0.8856	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00055	Amount Added:	0.40	Units: uL	
GAS CORP mix_00115	Amount Added:	0.40	Units: uL	
T_8260_IS_00113	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_Surr_00112	Amount Added:	1.00	Units: uL	Run Reagent

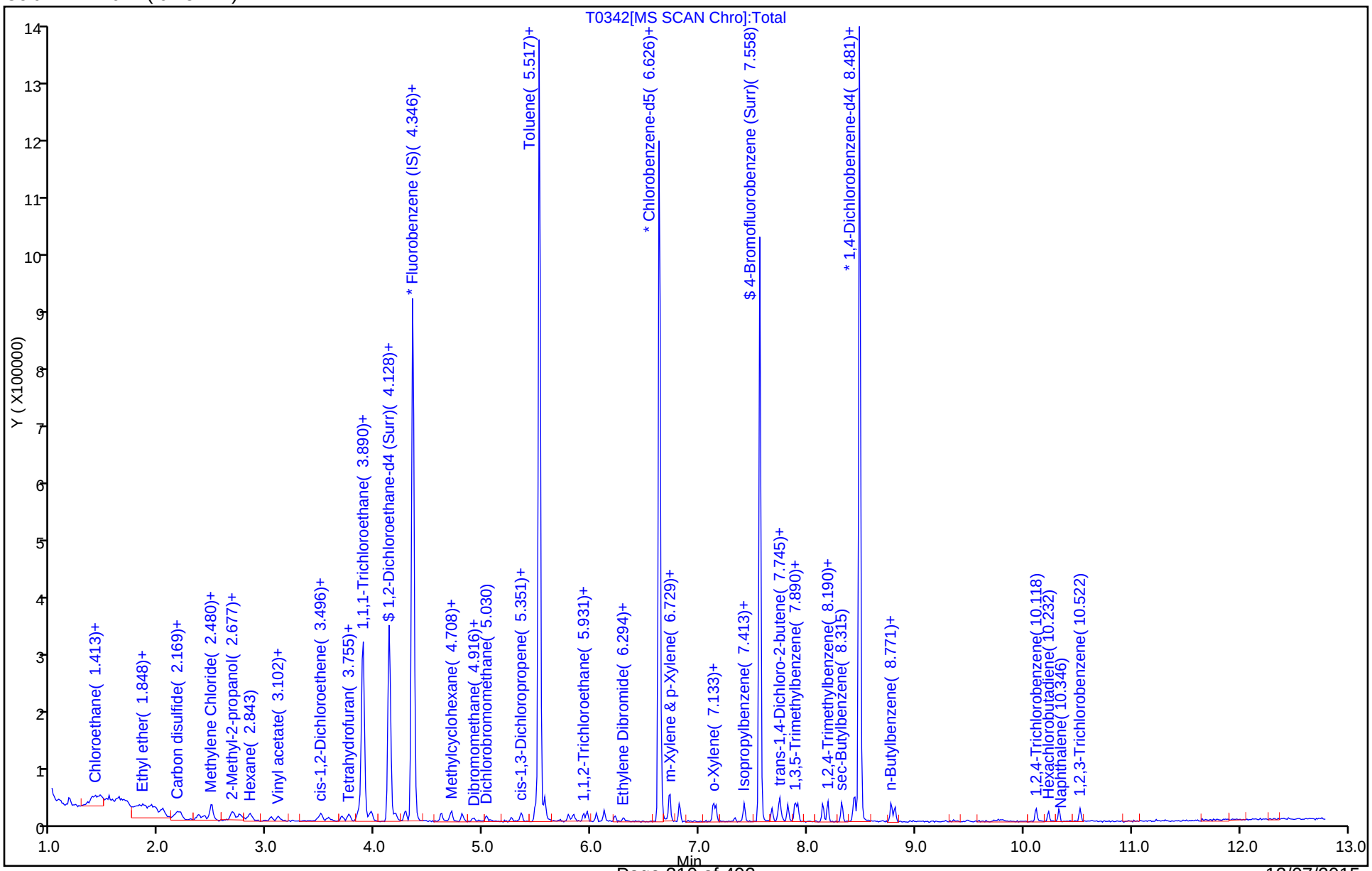
Report Date: 21-Oct-2015 12:09:59 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0342.D

Injection Date:	20-Oct-2015 15:37:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	IC 0.4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	66
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

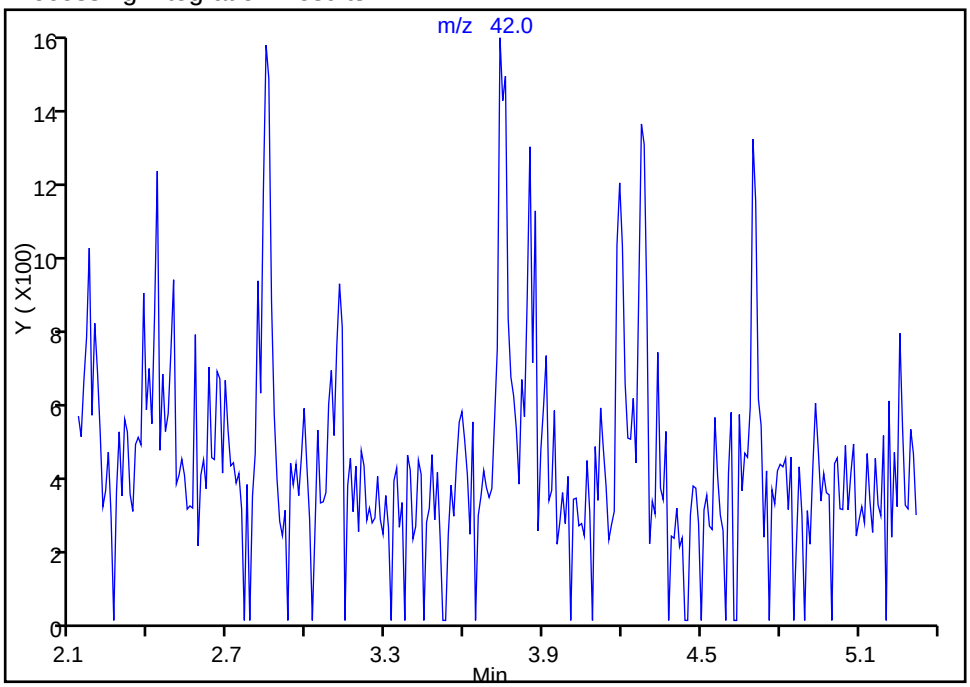
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0342.D
Injection Date: 20-Oct-2015 15:37:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 66 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

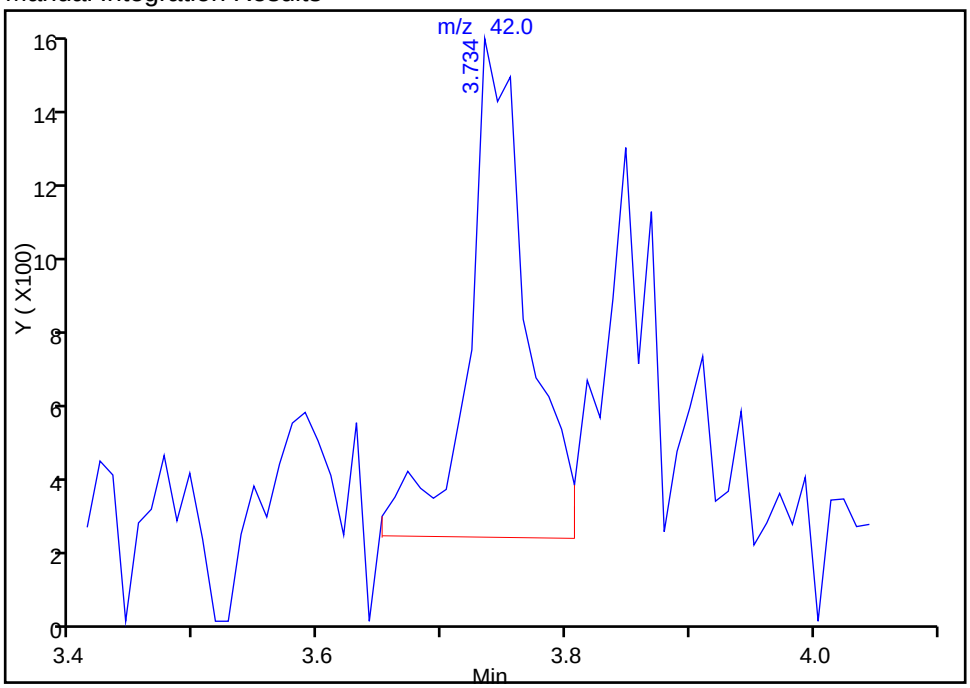
Not Detected
Expected RT: 3.72

Processing Integration Results



Manual Integration Results

RT: 3.73
Area: 4453
Amount: 1.584444
Amount Units: ug/L



Reviewer: goliszekg, 21-Oct-2015 08:39:06
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

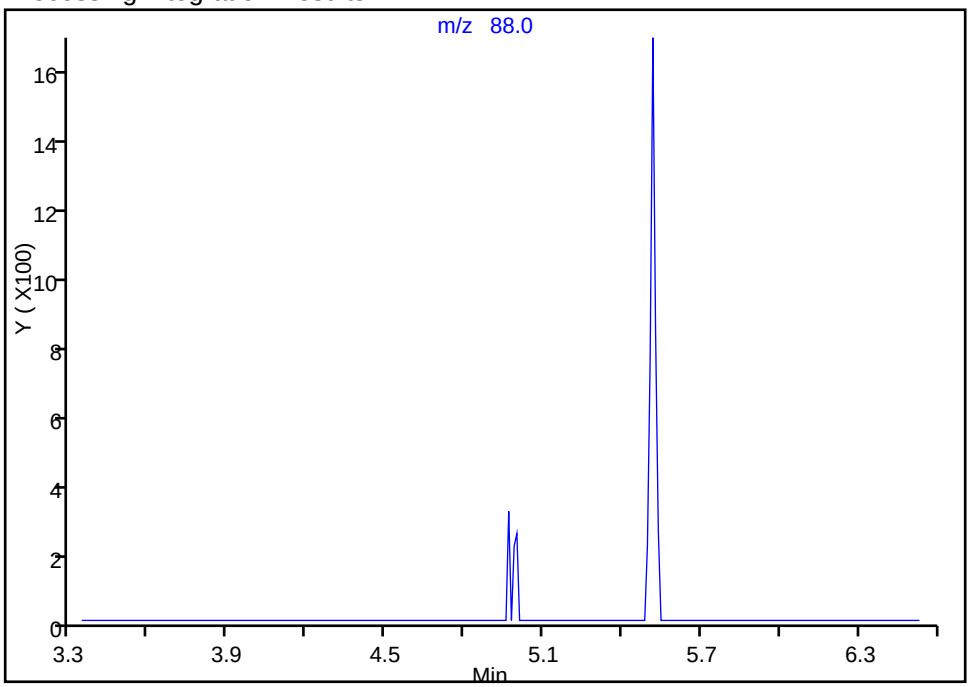
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0342.D
Injection Date: 20-Oct-2015 15:37:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 66 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

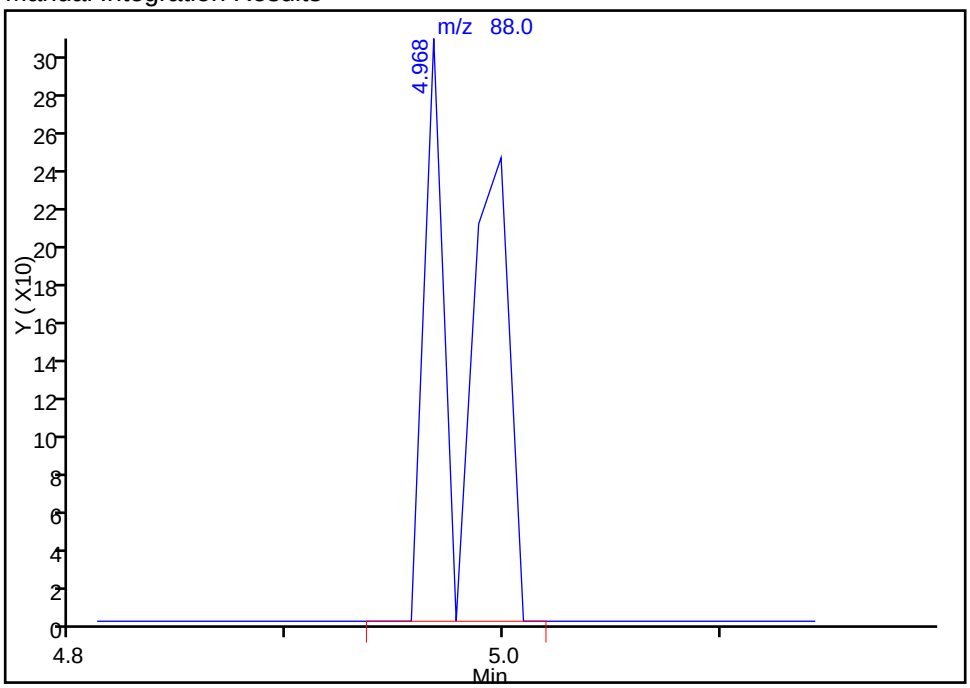
Not Detected
Expected RT: 4.94

Processing Integration Results



Manual Integration Results

RT: 4.97
Area: 474
Amount: 6.557936
Amount Units: ug/L



Reviewer: goliszekg, 21-Oct-2015 08:39:06
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0343.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Oct-2015 16:00:30 ALS Bottle#: 67 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0047466-007
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:10:00 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 20-Oct-2015 18:03:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.346	4.346	0.000	99	139576	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	85	571680	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	95	293866	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	93	194970	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.139	-0.011	0	192996	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	93	723679	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	90	230261	25.0	24.8	
11 Dichlorodifluoromethane	85	1.009	1.019	-0.010	65	11641	1.00	1.18	
13 Chloromethane	50	1.081	1.102	-0.021	99	14244	1.00	1.13	
151 Butadiene	54	1.175	1.196	-0.021	95	13453	1.00	1.27	
14 Vinyl chloride	62	1.175	1.196	-0.021	76	11594	1.00	1.12	
15 Bromomethane	94	1.382	1.403	-0.021	89	8162	1.00	1.09	M
16 Chloroethane	64	1.455	1.465	-0.010	97	5576	1.00	1.18	
18 Dichlorofluoromethane	67	1.631	1.652	-0.021	96	18274	1.00	1.04	
17 Trichlorofluoromethane	101	1.651	1.672	-0.021	95	12119	1.00	1.05	
19 Ethyl ether	59	1.859	1.859	0.000	92	7112	1.00	1.10	
21 Acrolein	56	2.014	2.025	-0.011	47	5974	5.00	4.69	
22 1,1-Dichloroethene	96	2.024	2.045	-0.021	97	10618	1.00	1.26	
20 1,1,2-Trichloro-1,2,2-trif	101	2.045	2.056	-0.011	69	9811	1.00	1.15	
23 Acetone	43	2.159	2.170	-0.011	87	21112	5.00	5.13	
24 Iodomethane	142	2.170	2.180	-0.010	99	17677	1.00	1.12	
25 Carbon disulfide	76	2.201	2.211	-0.010	100	31753	1.00	1.10	
27 3-Chloro-1-propene	41	2.356	2.367	-0.011	90	19431	1.00	1.14	
28 Methyl acetate	43	2.418	2.418	0.000	99	34850	5.00	5.18	
30 Methylene Chloride	84	2.491	2.501	-0.010	97	23474	1.00	1.04	
31 2-Methyl-2-propanol	59	2.688	2.677	0.011	43	6660	10.0	9.10	
32 trans-1,2-Dichloroethene	96	2.677	2.688	-0.011	92	10185	1.00	1.08	
33 Methyl tert-butyl ether	73	2.698	2.698	0.000	93	24962	1.00	1.08	
34 Acrylonitrile	53	2.750	2.750	0.000	97	27852	10.0	9.23	
35 Hexane	57	2.843	2.854	-0.011	96	19353	1.00	0.9046	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.040	3.040	0.000	96	17103	1.00	1.09	
39 Vinyl acetate	43	3.102	3.102	0.000	97	40871	2.00	2.10	
42 2,2-Dichloropropane	77	3.486	3.486	0.000	73	14040	1.00	1.11	
43 cis-1,2-Dichloroethene	96	3.506	3.507	-0.001	79	11609	1.00	1.09	
44 2-Butanone (MEK)	43	3.558	3.558	0.000	99	17682	5.00	4.87	
47 Chlorobromomethane	128	3.693	3.693	0.000	94	5124	1.00	1.00	
48 Tetrahydrofuran	42	3.734	3.724	0.010	83	6810	2.00	2.48	
50 Chloroform	83	3.765	3.766	-0.001	95	16555	1.00	1.08	
51 1,1,1-Trichloroethane	97	3.848	3.849	-0.001	88	15592	1.00	1.18	
52 Cyclohexane	56	3.848	3.849	-0.001	95	19854	1.00	1.14	
53 Carbon tetrachloride	117	3.962	3.963	0.000	81	12472	1.00	1.06	
54 1,1-Dichloropropene	75	3.962	3.973	-0.011	82	12204	1.00	1.06	
55 Benzene	78	4.128	4.139	-0.011	48	37680	1.00	1.10	
56 Isobutyl alcohol	43	4.190	4.180	0.010	73	7282	25.0	21.5	
57 1,2-Dichloroethane	62	4.190	4.190	0.000	93	12644	1.00	1.10	
59 n-Heptane	43	4.273	4.284	-0.011	95	22515	1.00	1.31	
60 Trichloroethene	95	4.615	4.615	0.000	96	10383	1.00	1.08	
62 Methylcyclohexane	83	4.709	4.709	0.000	91	19068	1.00	1.24	
63 1,2-Dichloropropane	63	4.802	4.812	-0.010	93	9330	1.00	1.03	
65 Dibromomethane	93	4.905	4.906	-0.001	96	5371	1.00	1.02	
66 1,4-Dioxane	88	4.947	4.937	0.010	0	1333	20.0	18.6	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	98	12595	1.00	1.09	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	85	5299	1.00	0.9504	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	91	13851	1.00	1.00	
72 4-Methyl-2-pentanone (MIBK	43	5.486	5.476	0.010	96	46426	5.00	5.04	
73 Toluene	92	5.569	5.569	0.000	95	26493	1.00	1.16	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	95	11595	1.00	0.9530	
77 Ethyl methacrylate	69	5.838	5.828	0.010	94	9753	1.00	0.9131	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	87	6539	1.00	0.9766	
79 Tetrachloroethene	166	5.962	5.963	-0.001	95	10857	1.00	1.09	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	95	13388	1.00	1.05	
81 2-Hexanone	43	6.118	6.108	0.010	98	26253	5.00	4.57	
82 Chlorodibromomethane	129	6.222	6.222	0.000	88	9776	1.00	1.04	
83 Ethylene Dibromide	107	6.294	6.294	0.000	99	8662	1.00	1.05	
86 Chlorobenzene	112	6.646	6.657	-0.011	95	28345	1.00	1.11	
88 Ethylbenzene	91	6.729	6.719	0.010	99	47222	1.00	1.10	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	45	9456	1.00	1.02	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	18679	1.00	1.08	
91 o-Xylene	106	7.133	7.134	-0.001	96	18790	1.00	1.08	
92 Styrene	104	7.154	7.154	0.000	96	27992	1.00	0.9887	
93 Bromoform	173	7.330	7.330	0.000	94	5204	1.00	0.9694	
95 Isopropylbenzene	105	7.413	7.413	0.000	95	45650	1.00	1.08	
97 Bromobenzene	156	7.672	7.672	0.000	89	12653	1.00	1.11	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	94	9678	1.00	0.9707	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	54319	1.00	1.06	
100 1,2,3-Trichloropropane	110	7.755	7.745	0.010	86	2899	1.00	1.02	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	73	3586	1.00	1.08	
105 2-Chlorotoluene	126	7.817	7.818	-0.001	96	10881	1.00	1.04	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	40094	1.00	1.10	
102 4-Chlorotoluene	91	7.911	7.911	0.000	97	36105	1.00	1.03	
106 tert-Butylbenzene	134	8.139	8.139	0.000	93	8340	1.00	1.05	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	-0.001	97	39089	1.00	1.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	52838	1.00	1.10	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	96	21537	1.00	0.99	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	96	42796	1.00	1.06	
113 1,4-Dichlorobenzene	146	8.501	8.502	-0.001	95	22906	1.00	1.05	
115 n-Butylbenzene	91	8.771	8.771	0.000	98	38574	1.00	1.05	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	98	22400	1.00	1.07	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	78	1760	1.00	1.11	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	93	14587	1.00	0.99	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	91	6830	1.00	1.06	
121 Naphthalene	128	10.325	10.325	0.000	97	35297	1.00	1.00	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	95	14089	1.00	0.9821	
S 123 1,3-Dichloropropene, Total	1				0			1.96	
S 124 1,2-Dichloroethene, Total	1				0			2.16	
S 125 Total BTEX	1				0			5.51	
S 126 Xylenes, Total	1				0			2.16	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00055	Amount Added:	1.00	Units: uL	
GAS CORP mix_00115	Amount Added:	1.00	Units: uL	
T_8260_IS_00113	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_Surr_00112	Amount Added:	1.00	Units: uL	Run Reagent

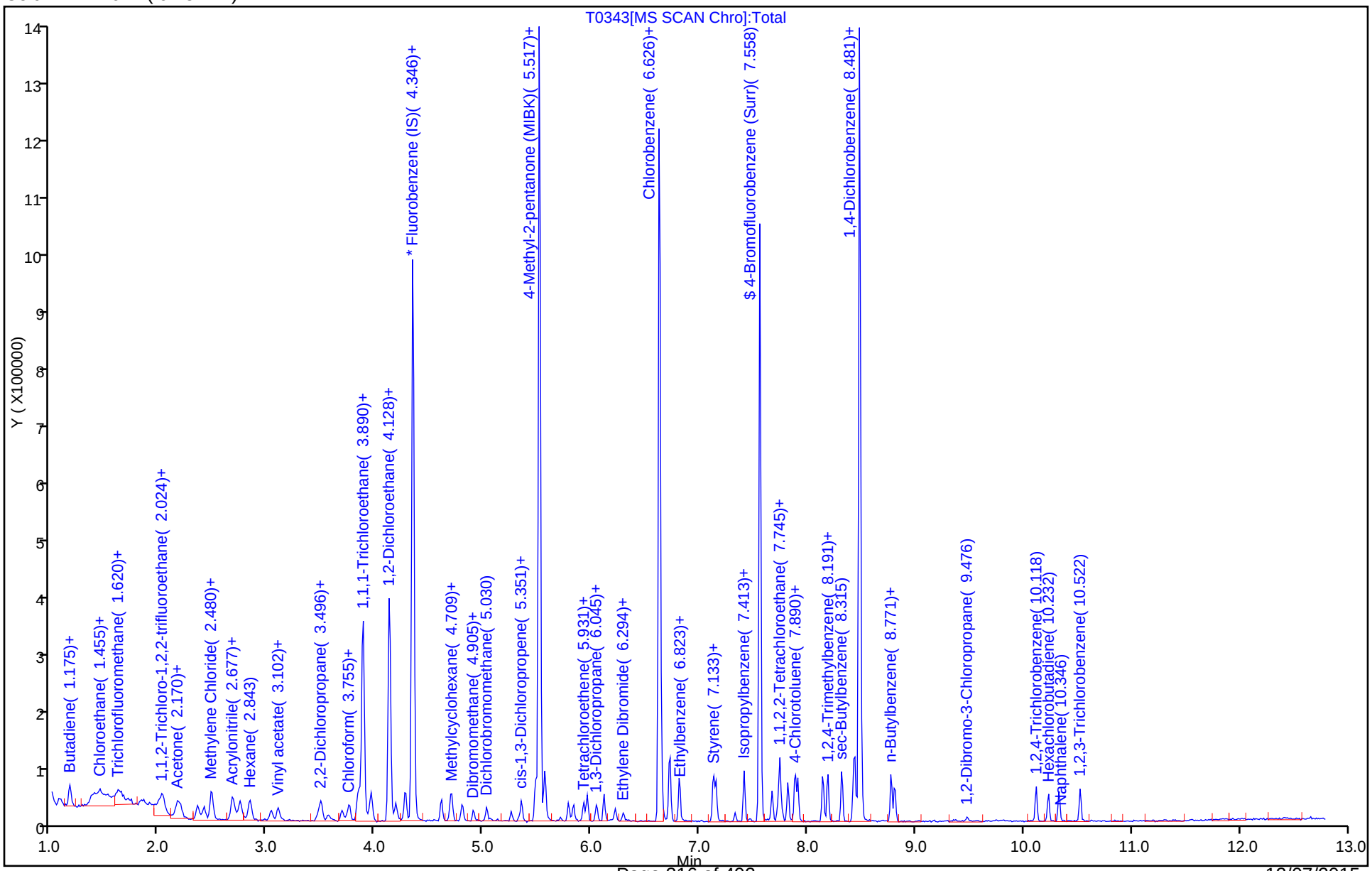
Report Date: 21-Oct-2015 12:10:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0343.D

Injection Date:	20-Oct-2015 16:00:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	67
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

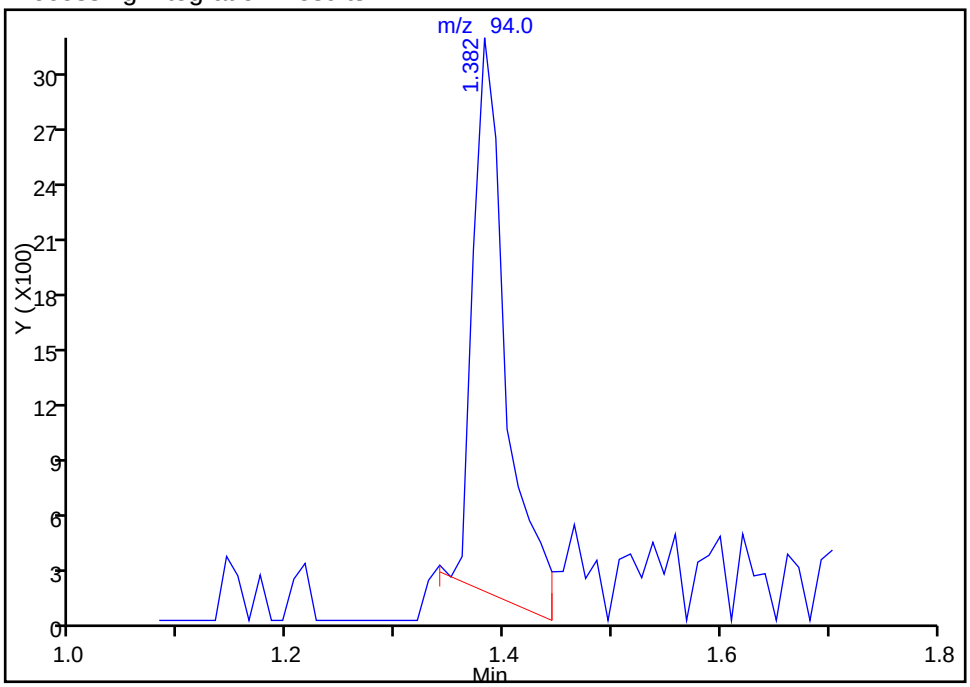
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0343.D
Injection Date: 20-Oct-2015 16:00:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 67 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

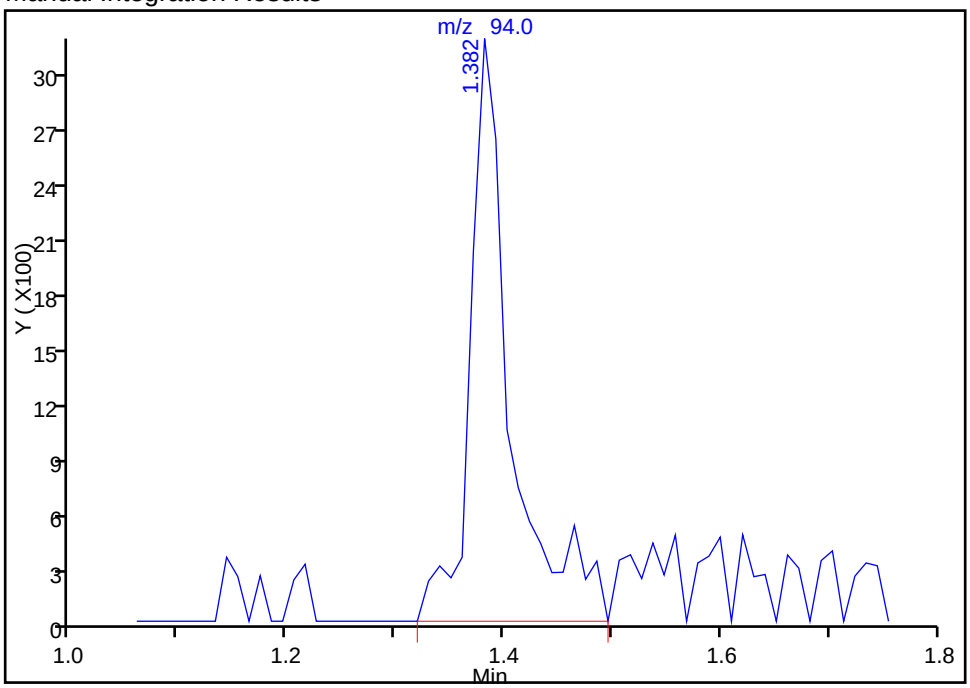
Processing Integration Results

RT: 1.38
Area: 6304
Amount: 0.960518
Amount Units: ug/L



Manual Integration Results

RT: 1.38
Area: 8162
Amount: 1.090450
Amount Units: ug/L



Reviewer: goliszekg, 21-Oct-2015 08:41:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

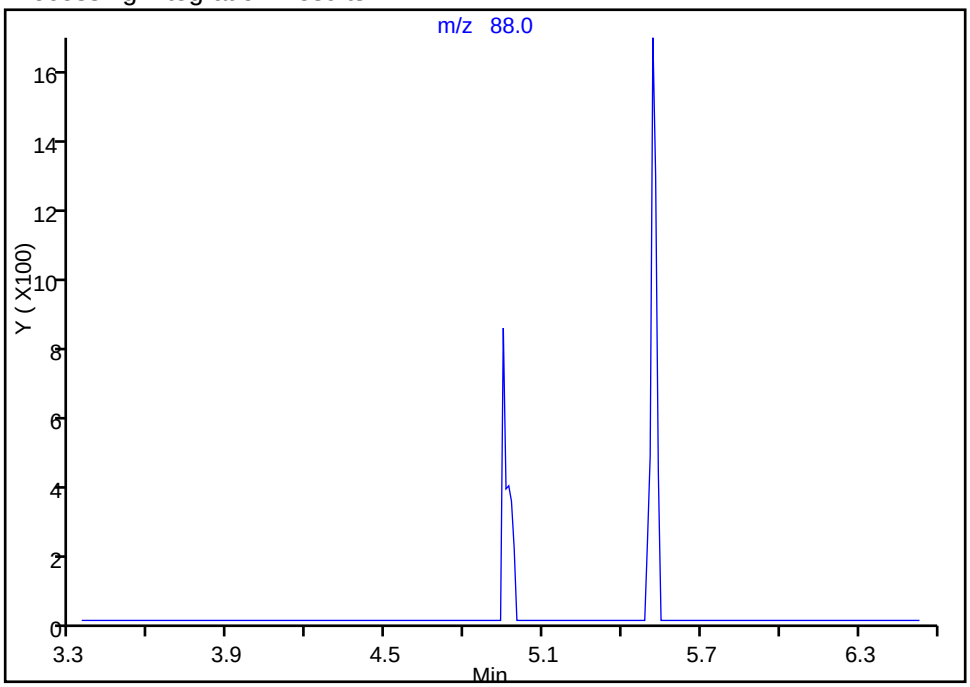
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0343.D
Injection Date: 20-Oct-2015 16:00:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 67 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

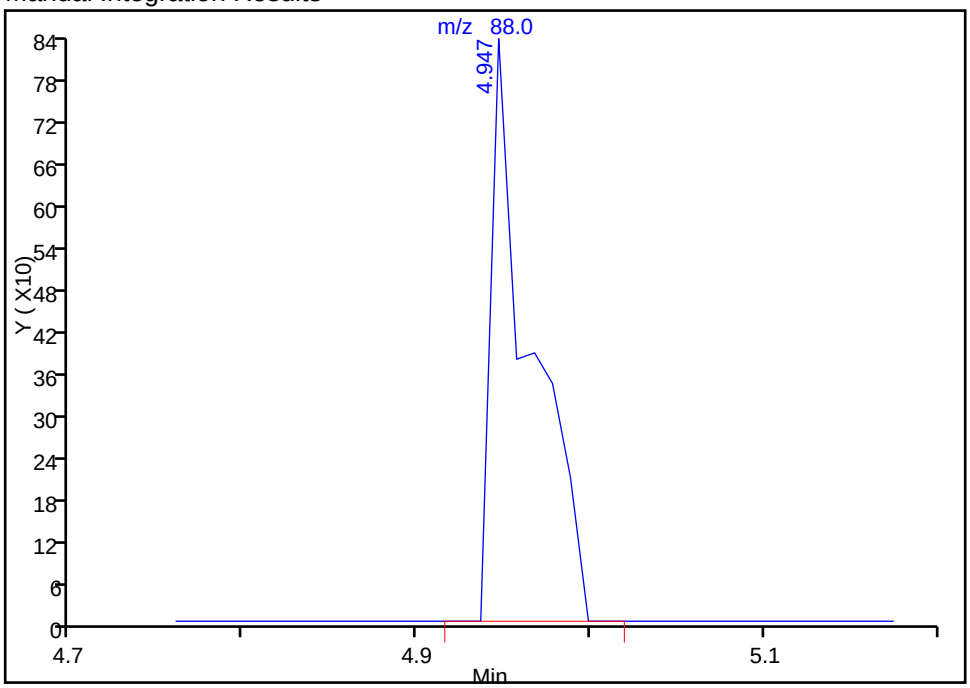
Not Detected
Expected RT: 4.94

Processing Integration Results



Manual Integration Results

RT: 4.95
Area: 1333
Amount: 18.633963
Amount Units: ug/L



Reviewer: goliszekg, 21-Oct-2015 08:41:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0344.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Oct-2015 16:24:30 ALS Bottle#: 68 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0047466-008
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:10:03 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 21-Oct-2015 08:41:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.346	4.346	0.000	99	139794	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	86	568745	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	94	301360	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	94	195221	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.139	-0.011	0	195392	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	93	722241	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	91	234328	25.0	25.3	
11 Dichlorodifluoromethane	85	0.999	1.019	-0.020	82	52520	5.00	5.32	
13 Chloromethane	50	1.082	1.102	-0.020	100	61429	5.00	4.86	
151 Butadiene	54	1.175	1.196	-0.021	98	52091	5.00	4.90	
14 Vinyl chloride	62	1.175	1.196	-0.021	97	52657	5.00	5.10	
15 Bromomethane	94	1.382	1.403	-0.021	92	27364	5.00	4.86	
16 Chloroethane	64	1.455	1.465	-0.010	98	21287	5.00	4.50	
18 Dichlorofluoromethane	67	1.631	1.652	-0.021	98	63714	5.00	4.83	
17 Trichlorofluoromethane	101	1.652	1.672	-0.020	84	59774	5.00	5.18	
19 Ethyl ether	59	1.848	1.859	-0.011	97	34254	5.00	5.27	
21 Acrolein	56	2.014	2.025	-0.011	50	22039	25.0	24.6	
22 1,1-Dichloroethene	96	2.035	2.045	-0.010	99	43053	5.00	5.11	
20 1,1,2-Trichloro-1,2,2-trif	101	2.045	2.056	-0.011	76	43818	5.00	5.11	
23 Acetone	43	2.159	2.170	-0.011	98	59036	25.0	22.8	
24 Iodomethane	142	2.170	2.180	-0.010	99	79541	5.00	5.04	
25 Carbon disulfide	76	2.201	2.211	-0.010	99	148593	5.00	5.15	
27 3-Chloro-1-propene	41	2.356	2.367	-0.011	89	89344	5.00	5.22	
28 Methyl acetate	43	2.418	2.418	0.000	99	170564	25.0	25.3	
30 Methylene Chloride	84	2.491	2.501	-0.010	98	52232	5.00	4.37	
31 2-Methyl-2-propanol	59	2.677	2.677	0.000	46	36974	50.0	50.4	
32 trans-1,2-Dichloroethene	96	2.677	2.688	-0.011	98	48223	5.00	5.09	
33 Methyl tert-butyl ether	73	2.688	2.698	-0.010	90	112464	5.00	4.86	
34 Acrylonitrile	53	2.750	2.750	0.000	98	157054	50.0	52.0	
35 Hexane	57	2.843	2.854	-0.011	95	75319	5.00	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.040	3.040	0.000	96	78725	5.00	4.99	
39 Vinyl acetate	43	3.102	3.102	0.000	96	193324	10.0	9.90	
42 2,2-Dichloropropane	77	3.486	3.486	0.000	92	64544	5.00	5.11	
43 cis-1,2-Dichloroethene	96	3.506	3.507	-0.001	81	53697	5.00	5.03	
44 2-Butanone (MEK)	43	3.558	3.558	0.000	99	90601	25.0	24.9	
47 Chlorobromomethane	128	3.693	3.693	0.000	98	25249	5.00	4.90	
48 Tetrahydrofuran	42	3.734	3.724	0.010	89	27977	10.0	10.2	
50 Chloroform	83	3.766	3.766	0.000	95	77967	5.00	5.06	
51 1,1,1-Trichloroethane	97	3.848	3.849	-0.001	86	68563	5.00	5.16	
52 Cyclohexane	56	3.848	3.849	-0.001	94	87228	5.00	5.02	
53 Carbon tetrachloride	117	3.952	3.963	-0.010	95	61814	5.00	5.23	
54 1,1-Dichloropropene	75	3.962	3.973	-0.011	92	61026	5.00	5.31	
55 Benzene	78	4.128	4.139	-0.011	83	176800	5.00	5.16	
56 Isobutyl alcohol	43	4.190	4.180	0.010	73	41199	125.0	121.2	
57 1,2-Dichloroethane	62	4.190	4.190	0.000	96	58092	5.00	5.06	
59 n-Heptane	43	4.284	4.284	0.000	96	85771	5.00	5.00	
60 Trichloroethene	95	4.615	4.615	0.000	97	46676	5.00	4.83	
62 Methylcyclohexane	83	4.709	4.709	0.000	95	78214	5.00	5.09	
63 1,2-Dichloropropane	63	4.802	4.812	-0.010	93	44058	5.00	4.84	
65 Dibromomethane	93	4.905	4.906	-0.001	93	27384	5.00	5.19	
66 1,4-Dioxane	88	4.947	4.937	0.010	95	5925	100.0	83.3	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	98	56704	5.00	4.91	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	90	27018	5.00	4.84	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	90	66709	5.00	4.83	
72 4-Methyl-2-pentanone (MIBK	43	5.486	5.476	0.010	98	215653	25.0	23.5	
73 Toluene	92	5.569	5.569	0.000	99	118393	5.00	5.20	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	97	58940	5.00	4.87	
77 Ethyl methacrylate	69	5.828	5.828	0.000	95	52372	5.00	4.93	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	90	32908	5.00	4.94	
79 Tetrachloroethene	166	5.963	5.963	0.000	96	50497	5.00	5.12	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	98	61693	5.00	4.86	
81 2-Hexanone	43	6.118	6.108	0.010	98	140920	25.0	24.7	
82 Chlorodibromomethane	129	6.222	6.222	0.000	90	45151	5.00	4.82	
83 Ethylene Dibromide	107	6.294	6.294	0.000	99	39385	5.00	4.82	
86 Chlorobenzene	112	6.646	6.657	-0.011	96	128306	5.00	5.03	
88 Ethylbenzene	91	6.719	6.719	0.000	98	214928	5.00	5.02	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	88	45314	5.00	4.94	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	88685	5.00	5.13	
91 o-Xylene	106	7.134	7.134	0.000	96	88568	5.00	5.13	
92 Styrene	104	7.154	7.154	0.000	96	146920	5.00	5.22	
93 Bromoform	173	7.330	7.330	0.000	94	25685	5.00	4.81	
95 Isopropylbenzene	105	7.413	7.413	0.000	95	220072	5.00	5.07	
97 Bromobenzene	156	7.672	7.672	0.000	91	58453	5.00	4.99	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	92	48082	5.00	4.70	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	265253	5.00	5.05	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	87	15048	5.00	5.18	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	89	16323	5.00	4.79	
105 2-Chlorotoluene	126	7.818	7.818	0.000	97	53541	5.00	4.98	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	93	184401	5.00	4.92	
102 4-Chlorotoluene	91	7.911	7.911	0.000	97	172799	5.00	4.82	
106 tert-Butylbenzene	134	8.139	8.139	0.000	93	40522	5.00	4.95	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	97	192925	5.00	4.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	247342	5.00	5.01	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	98	108228	5.00	4.87	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	205076	5.00	4.95	
113 1,4-Dichlorobenzene	146	8.501	8.502	-0.001	97	109897	5.00	4.93	
115 n-Butylbenzene	91	8.771	8.771	0.000	97	185858	5.00	4.93	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	98	105938	5.00	4.94	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	86	8195	5.00	5.03	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	96	71715	5.00	4.75	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	98	33395	5.00	5.08	
121 Naphthalene	128	10.325	10.325	0.000	96	175449	5.00	4.85	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	96	71641	5.00	4.87	
S 123 1,3-Dichloropropene, Total	1				0			9.70	
S 124 1,2-Dichloroethene, Total	1				0			10.1	
S 125 Total BTEX	1				0			25.6	
S 126 Xylenes, Total	1				0			10.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00055	Amount Added:	5.00	Units: uL	
GAS CORP mix_00115	Amount Added:	5.00	Units: uL	
T_8260_IS_00113	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_Surr_00112	Amount Added:	1.00	Units: uL	Run Reagent

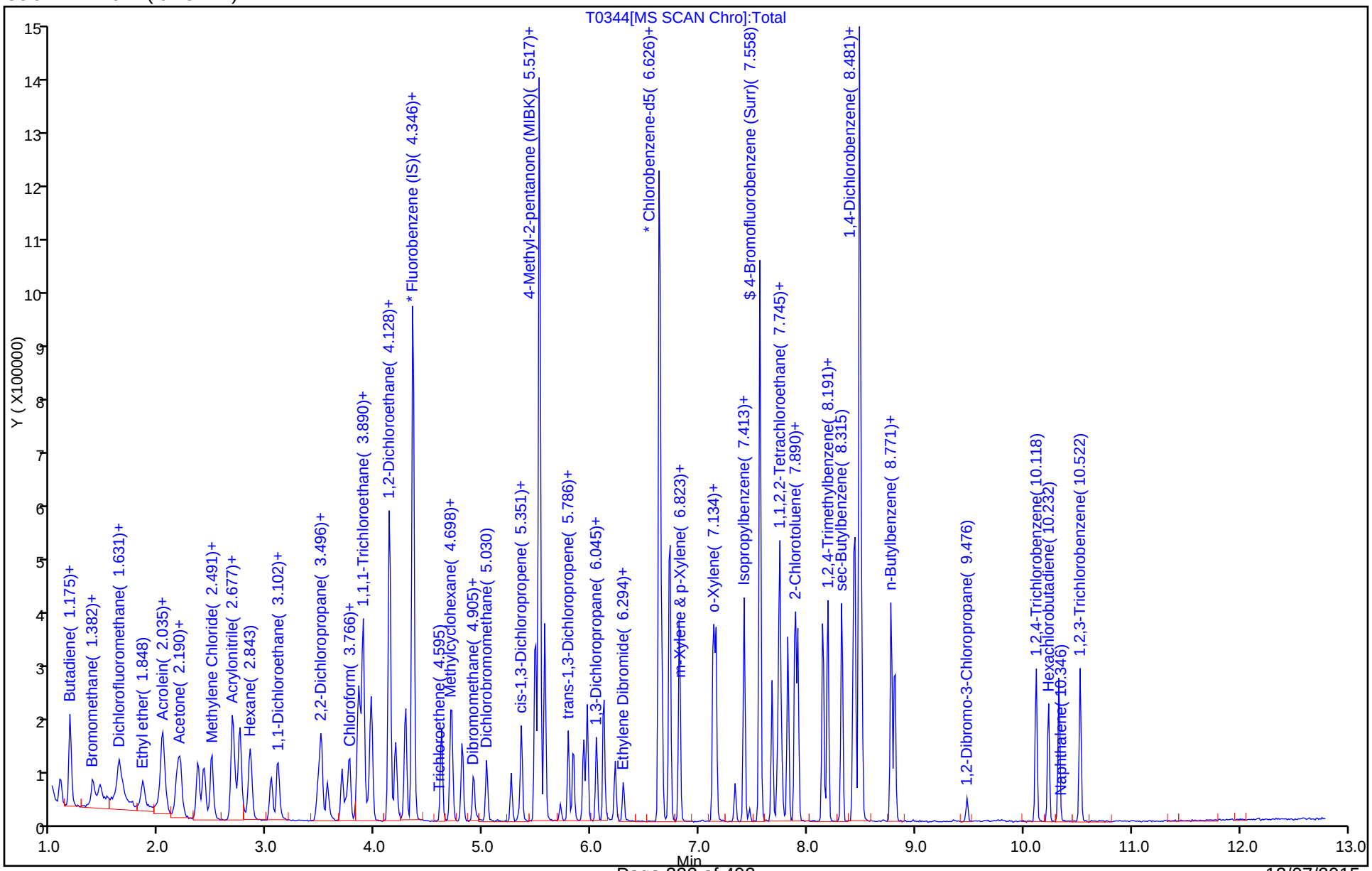
Report Date: 21-Oct-2015 12:10:03 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0344.D

Injection Date:	20-Oct-2015 16:24:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	68
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

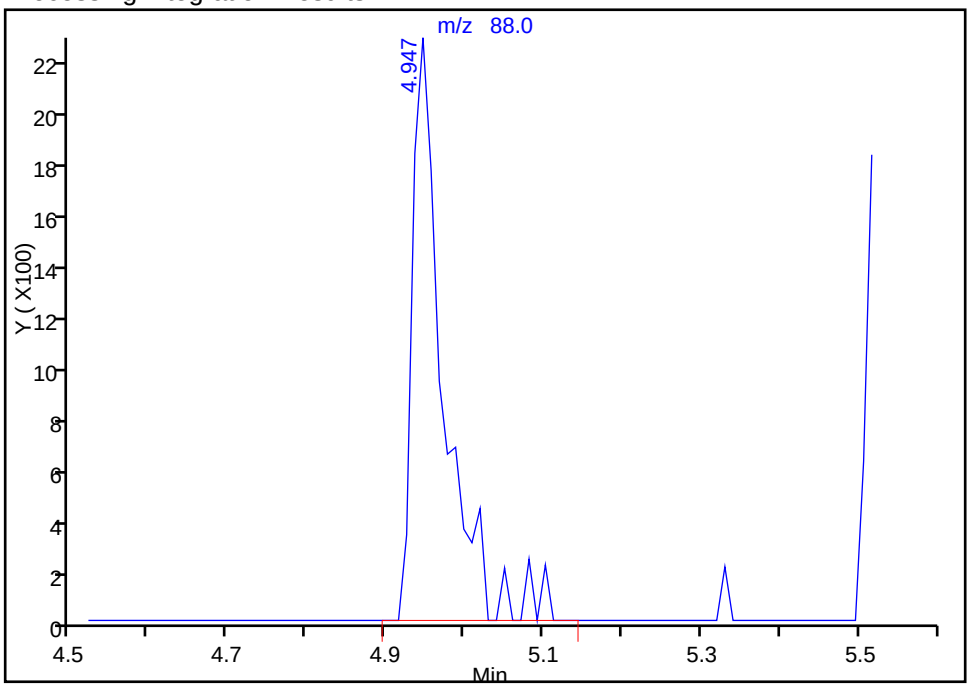
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0344.D
Injection Date: 20-Oct-2015 16:24:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 68 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

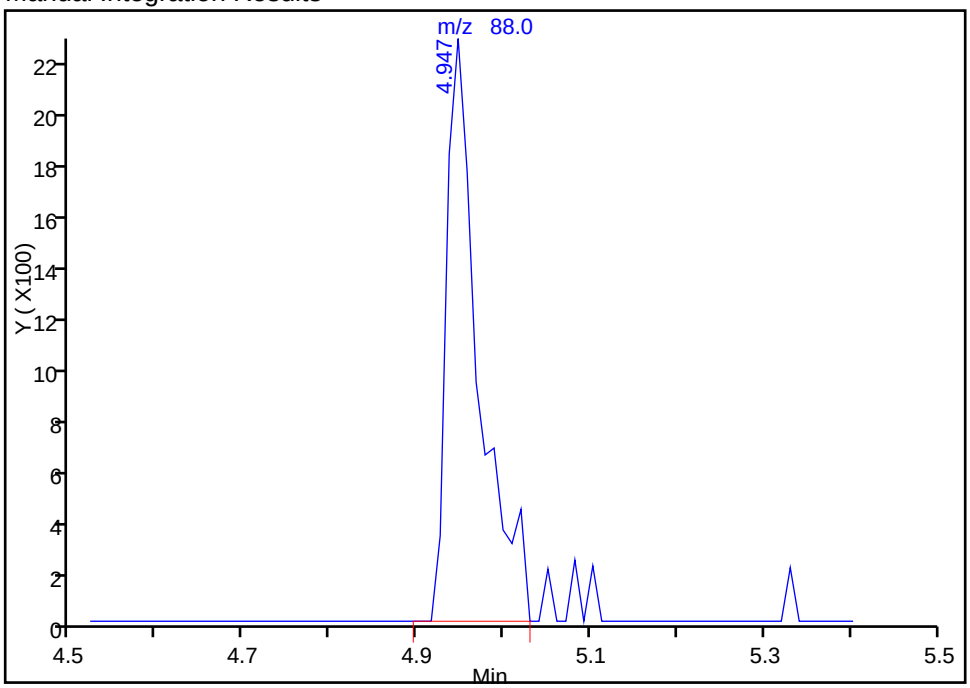
Processing Integration Results

RT: 4.95
Area: 6334
Amount: 90.502916
Amount Units: ug/L



Manual Integration Results

RT: 4.95
Area: 5925
Amount: 83.252798
Amount Units: ug/L



Reviewer: goliszekg, 21-Oct-2015 08:41:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0345.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Oct-2015 16:48:30 ALS Bottle#: 69 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0047466-009
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:10:04 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 20-Oct-2015 18:03:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.356	4.356	0.000	99	142219	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	85	584538	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	95	307946	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	94	199773	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.139	4.139	0.000	0	199122	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	93	751954	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	91	237812	25.0	25.0	
11 Dichlorodifluoromethane	85	1.019	1.019	0.000	97	101158	10.0	10.1	
13 Chloromethane	50	1.102	1.102	0.000	100	124822	10.0	9.71	
151 Butadiene	54	1.185	1.185	0.000	99	105708	10.0	9.78	
14 Vinyl chloride	62	1.195	1.195	0.000	97	104407	10.0	9.93	
15 Bromomethane	94	1.403	1.403	0.000	90	52440	10.0	9.61	
16 Chloroethane	64	1.465	1.465	0.000	98	47915	10.0	9.97	
18 Dichlorofluoromethane	67	1.641	1.641	0.000	98	136829	10.0	10.7	
17 Trichlorofluoromethane	101	1.672	1.672	0.000	96	118679	10.0	10.1	
19 Ethyl ether	59	1.859	1.859	0.000	97	67356	10.0	10.2	
21 Acrolein	56	2.025	2.025	0.000	73	44252	50.0	51.2	
22 1,1-Dichloroethene	96	2.045	2.045	0.000	97	84624	10.0	9.88	
20 1,1,2-Trichloro-1,2,2-trif	101	2.056	2.056	0.000	92	86486	10.0	9.92	
23 Acetone	43	2.170	2.170	0.000	98	126586	50.0	53.4	
24 Iodomethane	142	2.190	2.190	0.000	98	161402	10.0	10.1	
25 Carbon disulfide	76	2.211	2.211	0.000	100	288635	10.0	9.83	
27 3-Chloro-1-propene	41	2.367	2.367	0.000	89	173992	10.0	10.0	
28 Methyl acetate	43	2.418	2.418	0.000	99	341958	50.0	49.9	
30 Methylene Chloride	84	2.501	2.501	0.000	95	108258	10.0	10.7	
31 2-Methyl-2-propanol	59	2.677	2.677	0.000	50	75615	100.0	101.4	
32 trans-1,2-Dichloroethene	96	2.688	2.688	0.000	98	93110	10.0	9.66	
33 Methyl tert-butyl ether	73	2.698	2.698	0.000	98	232219	10.0	9.85	
34 Acrylonitrile	53	2.750	2.750	0.000	97	307091	100.0	99.9	
35 Hexane	57	2.854	2.854	0.000	96	140278	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.050	3.050	0.000	96	158803	10.0	9.89	
39 Vinyl acetate	43	3.102	3.102	0.000	97	393109	20.0	19.8	
42 2,2-Dichloropropane	77	3.486	3.486	0.000	92	121002	10.0	9.42	
43 cis-1,2-Dichloroethene	96	3.506	3.506	0.000	80	103565	10.0	9.53	
44 2-Butanone (MEK)	43	3.558	3.558	0.000	99	188982	50.0	51.0	
47 Chlorobromomethane	128	3.703	3.703	0.000	96	50596	10.0	9.65	
48 Tetrahydrofuran	42	3.734	3.734	0.000	93	53481	20.0	19.1	
50 Chloroform	83	3.766	3.766	0.000	96	148127	10.0	9.44	
51 1,1,1-Trichloroethane	97	3.859	3.859	0.000	87	131976	10.0	9.76	
52 Cyclohexane	56	3.848	3.848	0.000	93	167840	10.0	9.50	
53 Carbon tetrachloride	117	3.962	3.962	0.000	98	117694	10.0	9.78	
54 1,1-Dichloropropene	75	3.973	3.973	0.000	91	111777	10.0	9.57	
55 Benzene	78	4.139	4.139	0.000	93	339309	10.0	9.73	
56 Isobutyl alcohol	43	4.190	4.190	0.000	93	85095	250.0	246.1	
57 1,2-Dichloroethane	62	4.190	4.190	0.000	96	111025	10.0	9.51	
59 n-Heptane	43	4.284	4.284	0.000	98	166935	10.0	9.57	
60 Trichloroethene	95	4.615	4.615	0.000	98	94252	10.0	9.60	
62 Methylcyclohexane	83	4.709	4.709	0.000	95	150205	10.0	9.61	
63 1,2-Dichloropropane	63	4.812	4.812	0.000	93	90029	10.0	9.71	
65 Dibromomethane	93	4.916	4.916	0.000	95	55904	10.0	10.4	
66 1,4-Dioxane	88	4.947	4.947	0.000	90	14076	200.0	192.4	
67 Dichlorobromomethane	83	5.030	5.030	0.000	98	109455	10.0	9.32	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	93	56970	10.0	10.0	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	91	135817	10.0	9.67	
72 4-Methyl-2-pentanone (MIBK	43	5.475	5.475	0.000	99	452419	50.0	48.0	
73 Toluene	92	5.569	5.569	0.000	99	231167	10.0	9.88	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	97	124119	10.0	9.98	
77 Ethyl methacrylate	69	5.828	5.828	0.000	95	101587	10.0	9.30	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	91	65943	10.0	9.63	
79 Tetrachloroethene	166	5.962	5.962	0.000	97	100847	10.0	9.94	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	96	130343	10.0	10.0	
81 2-Hexanone	43	6.118	6.118	0.000	99	292789	50.0	49.9	
82 Chlorodibromomethane	129	6.222	6.222	0.000	91	92264	10.0	9.58	
83 Ethylene Dibromide	107	6.294	6.294	0.000	100	82833	10.0	9.86	
86 Chlorobenzene	112	6.657	6.657	0.000	96	257719	10.0	9.83	
88 Ethylbenzene	91	6.719	6.719	0.000	98	426107	10.0	9.68	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	48	92179	10.0	9.77	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	167327	10.0	9.43	
91 o-Xylene	106	7.134	7.134	0.000	97	169188	10.0	9.53	
92 Styrene	104	7.154	7.154	0.000	96	285944	10.0	9.88	
93 Bromoform	173	7.330	7.330	0.000	96	54682	10.0	9.96	
95 Isopropylbenzene	105	7.413	7.413	0.000	96	434212	10.0	9.78	
97 Bromobenzene	156	7.672	7.672	0.000	92	116698	10.0	9.75	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	95	100181	10.0	9.59	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	519864	10.0	9.69	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	87	30736	10.0	10.4	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	89	33232	10.0	9.54	
105 2-Chlorotoluene	126	7.817	7.817	0.000	97	107819	10.0	9.82	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	94	381598	10.0	9.96	
102 4-Chlorotoluene	91	7.911	7.911	0.000	97	354725	10.0	9.67	
106 tert-Butylbenzene	134	8.149	8.149	0.000	93	80276	10.0	9.60	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	97	390619	10.0	9.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	489203	10.0	9.70	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	98	223415	10.0	9.84	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	420355	10.0	9.93	
113 1,4-Dichlorobenzene	146	8.501	8.501	0.000	95	224397	10.0	9.86	
115 n-Butylbenzene	91	8.771	8.771	0.000	98	375445	10.0	9.74	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	99	217220	10.0	9.91	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	87	16909	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	96	153690	10.0	9.97	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	97	65102	10.0	9.69	
121 Naphthalene	128	10.325	10.325	0.000	97	372614	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	97	147070	10.0	9.78	
S 123 1,3-Dichloropropene, Total	1				0			19.6	
S 124 1,2-Dichloroethene, Total	1				0			19.2	
S 125 Total BTEX	1				0			48.3	
S 126 Xylenes, Total	1				0			19.0	

Reagents:

8260 CORP mix_00055	Amount Added:	5.00	Units: uL	
GAS CORP mix_00115	Amount Added:	5.00	Units: uL	
T_8260_IS_00113	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_Surr_00112	Amount Added:	1.00	Units: uL	Run Reagent

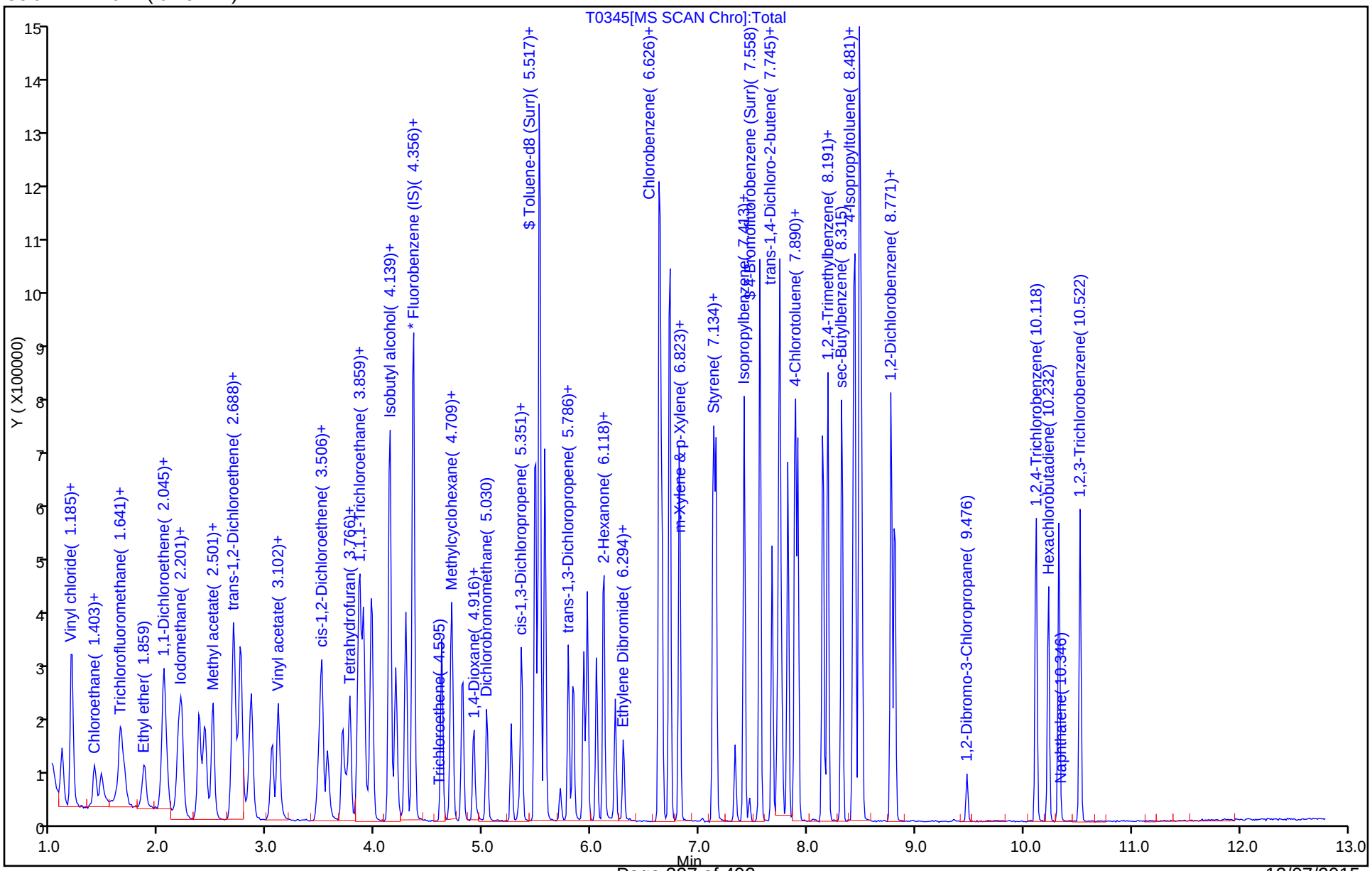
Report Date: 21-Oct-2015 12:10:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0345.D

Injection Date:	20-Oct-2015 16:48:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	IC 3			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	69
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0346.D
Lims ID: ICIS 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 20-Oct-2015 17:11:30 ALS Bottle#: 70 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0047466-010
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:10:06 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 21-Oct-2015 08:37:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.356	4.356	0.000	99	144318	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	85	595520	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	94	311075	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	94	198470	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.139	4.139	0.000	0	200997	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	93	748316	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	90	238832	25.0	24.7	
11 Dichlorodifluoromethane	85	1.019	1.019	0.000	99	252991	25.0	24.8	
13 Chloromethane	50	1.102	1.102	0.000	100	297655	25.0	22.8	
151 Butadiene	54	1.196	1.196	0.000	98	253908	25.0	23.1	
14 Vinyl chloride	62	1.196	1.196	0.000	98	255185	25.0	23.9	
15 Bromomethane	94	1.403	1.403	0.000	92	133050	25.0	24.8	
16 Chloroethane	64	1.465	1.465	0.000	98	118881	25.0	24.4	
18 Dichlorofluoromethane	67	1.652	1.652	0.000	99	329383	25.0	26.2	
17 Trichlorofluoromethane	101	1.672	1.672	0.000	99	297852	25.0	25.0	
19 Ethyl ether	59	1.859	1.859	0.000	96	163857	25.0	24.4	
21 Acrolein	56	2.025	2.025	0.000	99	114024	125.0	134.2	
22 1,1-Dichloroethene	96	2.045	2.045	0.000	98	212954	25.0	24.5	
20 1,1,2-Trichloro-1,2,2-trif	101	2.056	2.056	0.000	93	216201	25.0	24.4	
23 Acetone	43	2.170	2.170	0.000	98	286461	125.0	125.0	
24 Iodomethane	142	2.180	2.180	0.000	98	393611	25.0	24.2	
25 Carbon disulfide	76	2.211	2.211	0.000	100	715427	25.0	24.0	
27 3-Chloro-1-propene	41	2.367	2.367	0.000	89	422007	25.0	23.9	
28 Methyl acetate	43	2.418	2.418	0.000	99	862549	125.0	123.9	
30 Methylene Chloride	84	2.501	2.501	0.000	96	243804	25.0	25.7	
31 2-Methyl-2-propanol	59	2.677	2.677	0.000	94	187584	250.0	247.9	
32 trans-1,2-Dichloroethene	96	2.688	2.688	0.000	98	235526	25.0	24.1	
33 Methyl tert-butyl ether	73	2.698	2.698	0.000	98	578742	25.0	24.2	
34 Acrylonitrile	53	2.750	2.750	0.000	98	776980	250.0	249.0	
35 Hexane	57	2.854	2.854	0.000	95	353249	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.040	3.040	0.000	96	393861	25.0	24.2	
39 Vinyl acetate	43	3.102	3.102	0.000	97	1001859	50.0	49.7	
42 2,2-Dichloropropane	77	3.486	3.486	0.000	93	304630	25.0	23.4	
43 cis-1,2-Dichloroethene	96	3.507	3.507	0.000	85	259248	25.0	23.5	
44 2-Butanone (MEK)	43	3.558	3.558	0.000	98	463823	125.0	123.4	
47 Chlorobromomethane	128	3.693	3.693	0.000	97	127559	25.0	24.0	
48 Tetrahydrofuran	42	3.724	3.724	0.000	91	131547	50.0	46.3	
50 Chloroform	83	3.766	3.766	0.000	96	365039	25.0	22.9	
51 1,1,1-Trichloroethane	97	3.849	3.849	0.000	86	321384	25.0	23.4	
52 Cyclohexane	56	3.849	3.849	0.000	93	416714	25.0	23.2	
53 Carbon tetrachloride	117	3.963	3.963	0.000	96	300687	25.0	24.6	
54 1,1-Dichloropropene	75	3.973	3.973	0.000	90	284352	25.0	24.0	
55 Benzene	78	4.139	4.139	0.000	97	849667	25.0	24.0	
56 Isobutyl alcohol	43	4.180	4.180	0.000	93	215545	625.0	614.4	
57 1,2-Dichloroethane	62	4.190	4.190	0.000	96	278294	25.0	23.5	
59 n-Heptane	43	4.284	4.284	0.000	96	414876	25.0	23.4	
60 Trichloroethene	95	4.615	4.615	0.000	99	234957	25.0	23.6	
62 Methylcyclohexane	83	4.709	4.709	0.000	94	391666	25.0	24.7	
63 1,2-Dichloropropane	63	4.812	4.812	0.000	93	219856	25.0	23.4	
65 Dibromomethane	93	4.906	4.906	0.000	93	135806	25.0	24.9	
66 1,4-Dioxane	88	4.937	4.937	0.000	99	36923	500.0	495.5	M
67 Dichlorobromomethane	83	5.030	5.030	0.000	99	283434	25.0	23.8	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	140481	25.0	24.4	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	92	356530	25.0	25.0	
72 4-Methyl-2-pentanone (MIBK	43	5.476	5.476	0.000	99	1123570	125.0	117.0	
73 Toluene	92	5.569	5.569	0.000	98	563692	25.0	23.7	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	97	306902	25.0	24.2	
77 Ethyl methacrylate	69	5.828	5.828	0.000	94	263861	25.0	23.7	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	90	159983	25.0	22.9	
79 Tetrachloroethene	166	5.963	5.963	0.000	97	246159	25.0	23.8	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	97	321501	25.0	24.2	
81 2-Hexanone	43	6.108	6.108	0.000	99	754099	125.0	126.1	
82 Chlorodibromomethane	129	6.222	6.222	0.000	90	240296	25.0	24.5	
83 Ethylene Dibromide	107	6.294	6.294	0.000	99	210460	25.0	24.6	
86 Chlorobenzene	112	6.657	6.657	0.000	96	631755	25.0	23.6	
88 Ethylbenzene	91	6.719	6.719	0.000	98	1059997	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	48	230542	25.0	24.0	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	431485	25.0	23.9	
91 o-Xylene	106	7.134	7.134	0.000	97	431100	25.0	23.8	
92 Styrene	104	7.154	7.154	0.000	96	711916	25.0	24.1	
93 Bromoform	173	7.330	7.330	0.000	97	140655	25.0	25.2	
95 Isopropylbenzene	105	7.413	7.413	0.000	95	1093444	25.0	24.4	
97 Bromobenzene	156	7.672	7.672	0.000	93	283926	25.0	23.5	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	95	251020	25.0	23.8	
99 N-Propylbenzene	91	7.745	7.745	0.000	100	1294756	25.0	23.9	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	88	79183	25.0	26.4	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	90	86039	25.0	24.4	
105 2-Chlorotoluene	126	7.818	7.818	0.000	97	264771	25.0	23.9	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	96	913998	25.0	23.6	
102 4-Chlorotoluene	91	7.911	7.911	0.000	97	881094	25.0	23.8	
106 tert-Butylbenzene	134	8.139	8.139	0.000	93	211436	25.0	25.0	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	97	936417	25.0	23.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	1219493	25.0	23.9	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	98	543317	25.0	23.7	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	98	1043182	25.0	24.4	
113 1,4-Dichlorobenzene	146	8.502	8.502	0.000	95	550611	25.0	23.9	
115 n-Butylbenzene	91	8.771	8.771	0.000	98	949236	25.0	24.4	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	98	530960	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	89	42286	25.0	25.1	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	96	385837	25.0	24.8	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	98	163776	25.0	24.1	
121 Naphthalene	128	10.325	10.325	0.000	97	922840	25.0	24.7	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	96	359718	25.0	23.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00055	Amount Added:	12.50	Units: uL	
GAS CORP mix_00115	Amount Added:	12.50	Units: uL	
T_8260_IS_00113	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_Surr_00112	Amount Added:	1.00	Units: uL	Run Reagent

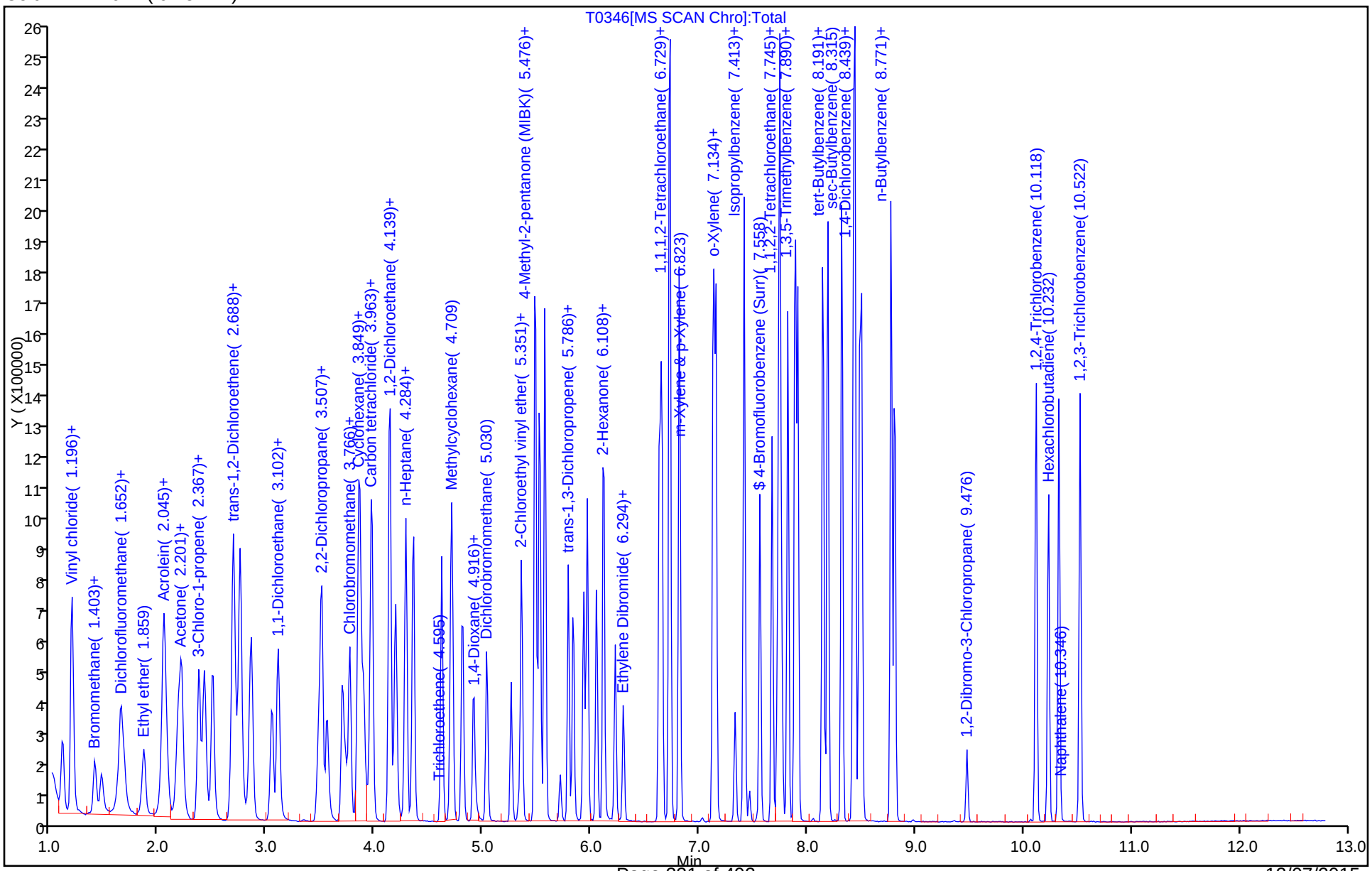
Report Date: 21-Oct-2015 12:10:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0346.D

Injection Date:	20-Oct-2015 17:11:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	ICIS 4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	70
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

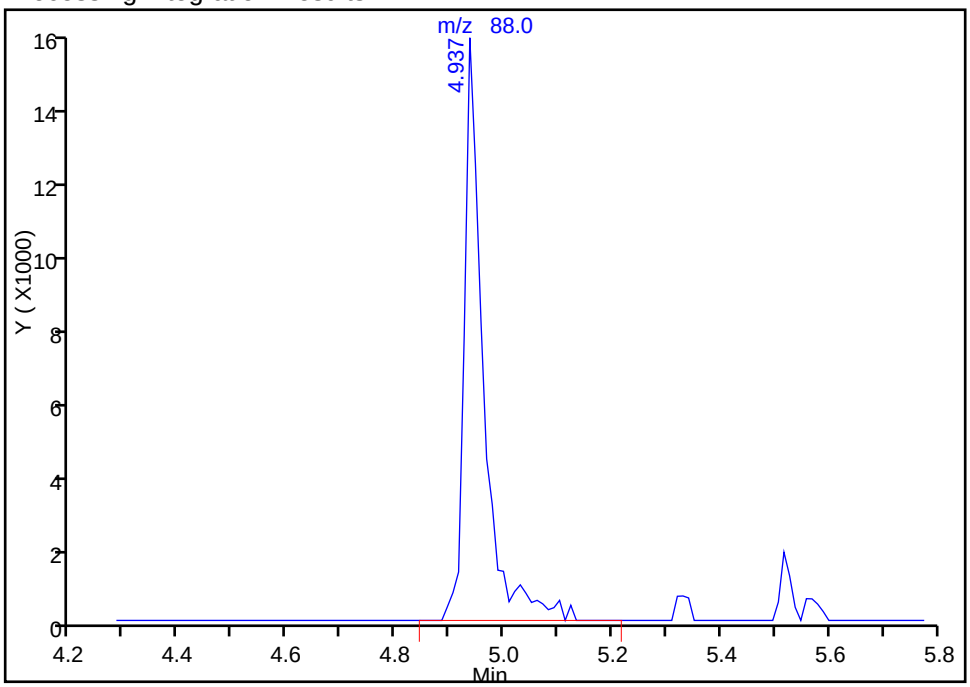
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0346.D
Injection Date: 20-Oct-2015 17:11:30 Instrument ID: HP5975T
Lims ID: ICIS 4
Client ID:
Operator ID: gtg ALS Bottle#: 70 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

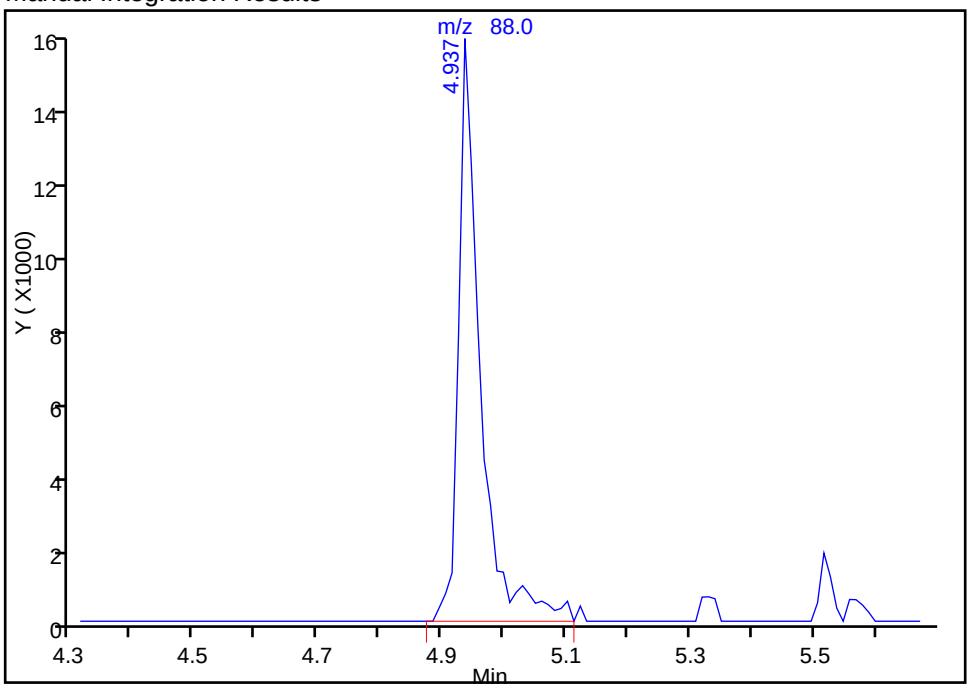
Processing Integration Results

RT: 4.94
Area: 37166
Amount: 511.4374
Amount Units: ug/L



Manual Integration Results

RT: 4.94
Area: 36923
Amount: 495.4829
Amount Units: ug/L



Reviewer: goliszekg, 21-Oct-2015 08:44:08
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0347.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Oct-2015 17:35:30 ALS Bottle#: 71 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0047466-011
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:10:08 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 21-Oct-2015 08:44:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.356	4.356	0.000	99	149751	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	87	596850	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	94	318551	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	94	203388	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.139	4.139	0.000	0	205786	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	767845	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr	174	7.559	7.558	0.000	90	247790	25.0	25.5	
11 Dichlorodifluoromethane	85	1.019	1.019	0.000	99	472528	50.0	44.7	
13 Chloromethane	50	1.102	1.102	0.000	100	577457	50.0	42.7	
151 Butadiene	54	1.185	1.196	-0.011	99	494512	50.0	43.4	
14 Vinyl chloride	62	1.196	1.196	0.000	99	489481	50.0	44.2	
15 Bromomethane	94	1.403	1.403	0.000	91	263670	50.0	47.8	
16 Chloroethane	64	1.465	1.465	0.000	98	241730	50.0	47.7	
18 Dichlorofluoromethane	67	1.641	1.652	-0.011	99	632542	50.0	48.8	
17 Trichlorofluoromethane	101	1.662	1.672	-0.010	99	572132	50.0	46.3	
19 Ethyl ether	59	1.859	1.859	0.000	95	324627	50.0	46.6	
21 Acrolein	56	2.014	2.025	-0.011	99	218672	250.0	250.4	
22 1,1-Dichloroethene	96	2.035	2.045	-0.010	99	413869	50.0	45.9	
20 1,1,2-Trichloro-1,2,2-trif	101	2.056	2.056	0.000	92	421638	50.0	45.9	
23 Acetone	43	2.159	2.170	-0.011	98	577835	250.0	247.5	
24 Iodomethane	142	2.180	2.180	0.000	98	773679	50.0	45.8	
25 Carbon disulfide	76	2.201	2.211	-0.010	100	1414044	50.0	45.7	
27 3-Chloro-1-propene	41	2.367	2.367	0.000	90	853051	50.0	46.6	
28 Methyl acetate	43	2.418	2.418	0.000	99	1751538	250.0	242.5	
30 Methylene Chloride	84	2.491	2.501	-0.010	96	474408	50.0	49.7	
31 2-Methyl-2-propanol	59	2.678	2.677	0.001	91	409791	500.0	521.9	
32 trans-1,2-Dichloroethene	96	2.688	2.688	0.000	99	467074	50.0	46.0	
33 Methyl tert-butyl ether	73	2.688	2.698	-0.010	98	1149409	50.0	46.3	
34 Acrylonitrile	53	2.750	2.750	0.000	99	1580744	500.0	488.2	
35 Hexane	57	2.854	2.854	0.000	96	679124	50.0	49.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.040	3.040	0.000	97	782927	50.0	46.3	
39 Vinyl acetate	43	3.102	3.102	0.000	97	2065004	100.0	98.7	
42 2,2-Dichloropropane	77	3.486	3.486	0.000	92	600613	50.0	44.4	
43 cis-1,2-Dichloroethene	96	3.507	3.507	0.000	83	505378	50.0	44.2	
44 2-Butanone (MEK)	43	3.548	3.558	-0.010	98	970014	250.0	248.8	
47 Chlorobromomethane	128	3.693	3.693	0.000	97	258068	50.0	46.8	
48 Tetrahydrofuran	42	3.724	3.724	0.000	91	272487	100.0	92.3	
50 Chloroform	83	3.766	3.766	0.000	96	733630	50.0	44.4	
52 Cyclohexane	56	3.849	3.849	0.000	94	817865	50.0	43.9	
51 1,1,1-Trichloroethane	97	3.849	3.849	0.000	87	649831	50.0	45.7	
53 Carbon tetrachloride	117	3.963	3.963	0.001	98	586666	50.0	46.3	
54 1,1-Dichloropropene	75	3.963	3.973	-0.010	91	563700	50.0	45.8	
55 Benzene	78	4.128	4.139	-0.011	98	1714318	50.0	46.7	
56 Isobutyl alcohol	43	4.180	4.180	0.000	94	471390	1250.0	1294.9	
57 1,2-Dichloroethane	62	4.191	4.190	0.001	96	560807	50.0	45.6	
59 n-Heptane	43	4.284	4.284	0.000	97	813791	50.0	44.3	
60 Trichloroethene	95	4.615	4.615	0.000	97	467033	50.0	45.2	
62 Methylcyclohexane	83	4.709	4.709	0.000	93	762017	50.0	46.3	
63 1,2-Dichloropropane	63	4.802	4.812	-0.010	93	442843	50.0	45.4	
65 Dibromomethane	93	4.906	4.906	0.000	97	274888	50.0	48.6	
66 1,4-Dioxane	88	4.937	4.937	0.000	98	84758	1000.0	1134.9	
67 Dichlorobromomethane	83	5.030	5.030	0.000	98	568145	50.0	45.9	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	93	291536	50.0	48.7	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	92	697221	50.0	47.1	
72 4-Methyl-2-pentanone (MIBK	43	5.476	5.476	0.000	98	2321199	250.0	241.2	
73 Toluene	92	5.569	5.569	0.000	98	1126791	50.0	47.2	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	98	628579	50.0	49.5	
77 Ethyl methacrylate	69	5.828	5.828	0.000	94	539026	50.0	48.3	
78 1,1,2-Trichloroethane	83	5.932	5.931	0.001	90	331028	50.0	47.4	
79 Tetrachloroethene	166	5.963	5.963	0.000	97	496707	50.0	47.9	
80 1,3-Dichloropropane	76	6.046	6.045	0.001	97	654123	50.0	49.1	
81 2-Hexanone	43	6.108	6.108	0.000	99	1561120	250.0	260.5	
82 Chlorodibromomethane	129	6.222	6.222	0.000	90	493966	50.0	50.3	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	419326	50.0	48.9	
86 Chlorobenzene	112	6.657	6.657	0.000	97	1274208	50.0	47.6	
88 Ethylbenzene	91	6.719	6.719	0.000	98	2135915	50.0	47.5	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	97	471650	50.0	49.0	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	856974	50.0	47.3	
91 o-Xylene	106	7.134	7.134	0.000	97	858085	50.0	47.4	
92 Styrene	104	7.154	7.154	0.000	96	1457235	50.0	49.3	
93 Bromoform	173	7.331	7.330	0.001	98	287777	50.0	51.3	
95 Isopropylbenzene	105	7.413	7.413	0.000	96	2194256	50.0	47.8	
97 Bromobenzene	156	7.673	7.672	0.000	92	564076	50.0	45.6	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	93	502533	50.0	46.5	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	2589157	50.0	46.7	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	89	155421	50.0	50.6	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	84	172709	50.0	47.9	
105 2-Chlorotoluene	126	7.818	7.818	0.000	97	533884	50.0	47.0	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	94	1870350	50.0	47.2	
102 4-Chlorotoluene	91	7.911	7.911	0.000	97	1762049	50.0	46.5	
106 tert-Butylbenzene	134	8.139	8.139	0.000	93	408902	50.0	47.3	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	97	1907604	50.0	46.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	2418016	50.0	46.4	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	99	1087399	50.0	46.3	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	2084645	50.0	47.6	
113 1,4-Dichlorobenzene	146	8.502	8.502	0.000	95	1101727	50.0	46.8	
115 n-Butylbenzene	91	8.771	8.771	0.000	97	1873571	50.0	47.0	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	99	1056407	50.0	46.6	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	89	81858	50.0	47.5	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	96	770260	50.0	48.3	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	98	320381	50.0	46.1	
121 Naphthalene	128	10.325	10.325	0.000	97	1896035	50.0	49.6	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	96	725091	50.0	46.6	
S 123 1,3-Dichloropropene, Total	1				0			96.6	
S 124 1,2-Dichloroethene, Total	1				0			90.2	
S 125 Total BTEX	1				0			236.0	
S 126 Xylenes, Total	1				0			94.6	

Reagents:

8260 CORP mix_00055	Amount Added: 25.00	Units: uL		
GAS CORP mix_00115	Amount Added: 25.00	Units: uL		
T_8260_IS_00113	Amount Added: 1.00	Units: uL	Run Reagent	
T_8260_Surr_00112	Amount Added: 1.00	Units: uL	Run Reagent	

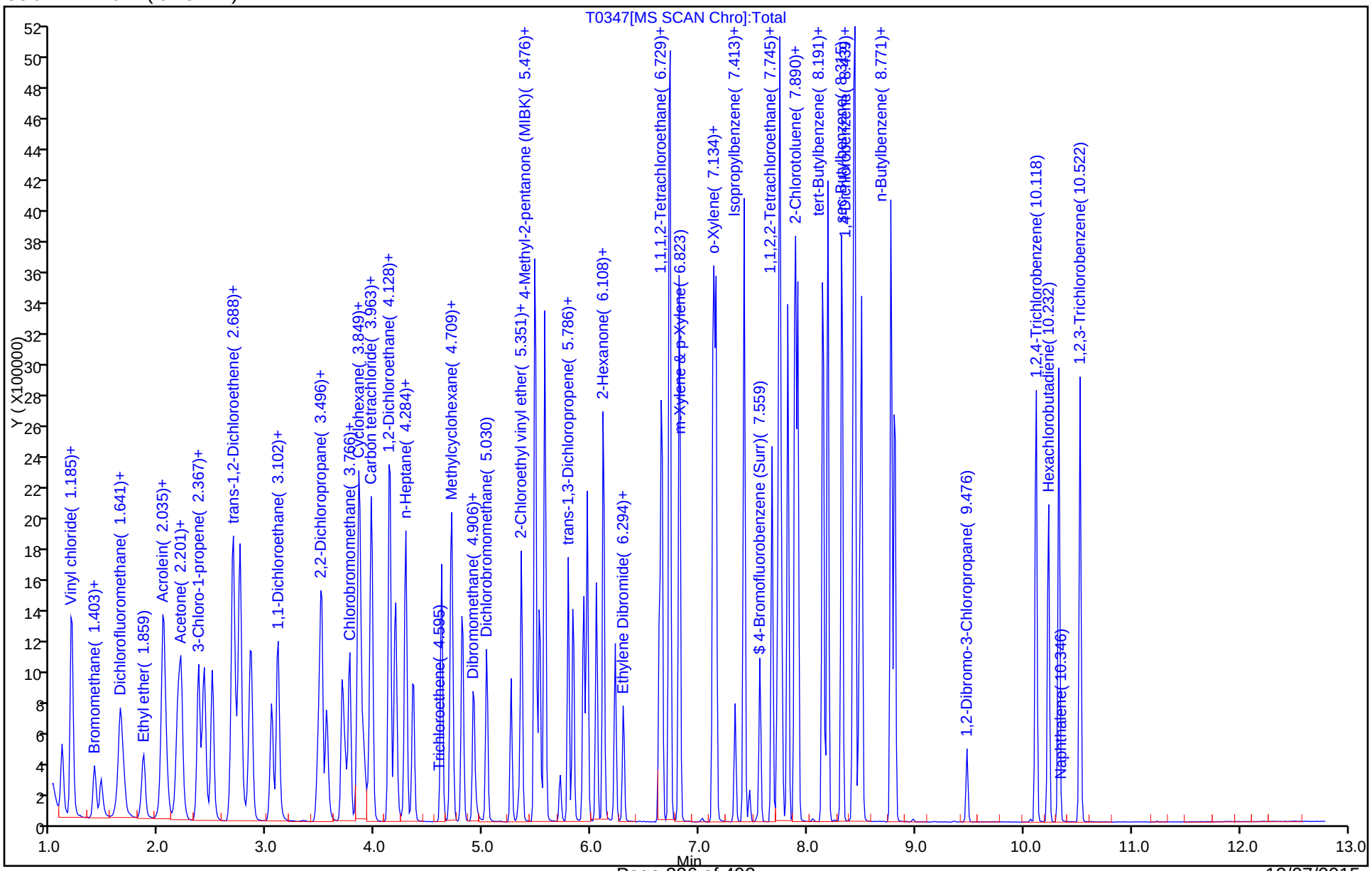
Report Date: 21-Oct-2015 12:10:09 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0347.D

Injection Date:	20-Oct-2015 17:35:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	IC 5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	71
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0348.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Oct-2015 17:59:30 ALS Bottle#: 72 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0047466-012
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:10:09 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 21-Oct-2015 08:46:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.356	4.356	0.000	99	152391	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	85	613737	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	94	319059	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	93	209884	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.139	-0.011	0	207276	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	91	777811	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	91	250732	25.0	25.1	
11 Dichlorodifluoromethane	85	1.019	1.019	0.000	100	991983	100.0	92.2	
13 Chloromethane	50	1.113	1.102	0.011	99	1213036	100.0	88.1	
151 Butadiene	54	1.195	1.196	-0.001	98	1019457	100.0	88.0	
14 Vinyl chloride	62	1.206	1.196	0.010	99	1015598	100.0	90.2	
15 Bromomethane	94	1.403	1.403	0.000	90	573447	100.0	102.8	
16 Chloroethane	64	1.465	1.465	0.000	98	510697	100.0	99.1	
18 Dichlorofluoromethane	67	1.641	1.652	-0.011	99	1304248	100.0	99.4	
17 Trichlorofluoromethane	101	1.672	1.672	0.000	99	1203125	100.0	95.7	
19 Ethyl ether	59	1.859	1.859	0.000	95	655010	100.0	92.4	
21 Acrolein	56	2.014	2.025	-0.011	99	433206	500.0	490.0	
22 1,1-Dichloroethene	96	2.045	2.045	0.000	99	827926	100.0	90.2	
20 1,1,2-Trichloro-1,2,2-trif	101	2.056	2.056	0.000	93	857973	100.0	91.8	
23 Acetone	43	2.159	2.170	-0.011	98	1179318	500.0	501.1	
24 Iodomethane	142	2.180	2.180	0.000	98	1589488	100.0	92.5	
25 Carbon disulfide	76	2.201	2.211	-0.010	100	2901957	100.0	92.2	
27 3-Chloro-1-propene	41	2.366	2.367	-0.001	90	1693918	100.0	90.9	
28 Methyl acetate	43	2.418	2.418	0.000	99	3542189	500.0	482.0	
30 Methylene Chloride	84	2.491	2.501	-0.010	96	950424	100.0	99.5	
31 2-Methyl-2-propanol	59	2.677	2.677	0.000	97	841337	1000.0	1053.0	
32 trans-1,2-Dichloroethene	96	2.688	2.688	0.000	99	929339	100.0	90.0	
33 Methyl tert-butyl ether	73	2.688	2.698	-0.010	99	2363869	100.0	93.6	
34 Acrylonitrile	53	2.750	2.750	0.000	98	3237162	1000.0	982.4	
35 Hexane	57	2.854	2.854	0.000	96	1394298	100.0	99.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.040	3.040	0.000	97	1592514	100.0	92.6	
39 Vinyl acetate	43	3.102	3.102	0.000	97	4201417	200.0	197.4	
42 2,2-Dichloropropane	77	3.486	3.486	0.000	92	1223394	100.0	88.9	
43 cis-1,2-Dichloroethene	96	3.506	3.507	-0.001	83	1029628	100.0	88.4	
44 2-Butanone (MEK)	43	3.548	3.558	-0.010	99	2027517	500.0	511.0	
47 Chlorobromomethane	128	3.693	3.693	0.000	97	515010	100.0	91.7	
48 Tetrahydrofuran	42	3.714	3.724	-0.010	92	566439	200.0	188.6	
50 Chloroform	83	3.765	3.766	-0.001	96	1493312	100.0	88.9	
52 Cyclohexane	56	3.848	3.849	-0.001	94	1684830	100.0	89.0	
51 1,1,1-Trichloroethane	97	3.848	3.849	-0.001	87	1332515	100.0	92.0	
53 Carbon tetrachloride	117	3.962	3.963	0.000	98	1214122	100.0	94.2	
54 1,1-Dichloropropene	75	3.962	3.973	-0.011	91	1156903	100.0	92.4	
55 Benzene	78	4.139	4.139	0.000	98	3472812	100.0	92.9	
56 Isobutyl alcohol	43	4.180	4.180	0.000	94	1013686	2500.0	2736.4	
57 1,2-Dichloroethane	62	4.190	4.190	0.000	96	1133264	100.0	90.6	
59 n-Heptane	43	4.284	4.284	0.000	97	1638287	100.0	87.6	
60 Trichloroethene	95	4.615	4.615	0.000	97	938643	100.0	89.2	
62 Methylcyclohexane	83	4.709	4.709	0.000	94	1564865	100.0	93.4	
63 1,2-Dichloropropane	63	4.802	4.812	-0.010	93	909958	100.0	91.6	
65 Dibromomethane	93	4.905	4.906	-0.001	95	561021	100.0	97.6	
66 1,4-Dioxane	88	4.937	4.937	-0.001	95	176291	2000.0	2295.5	
67 Dichlorobromomethane	83	5.030	5.030	0.000	99	1167213	100.0	92.8	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	92	591362	100.0	97.1	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	92	1444252	100.0	96.0	
72 4-Methyl-2-pentanone (MIBK	43	5.475	5.476	-0.001	99	4734125	500.0	478.5	
73 Toluene	92	5.569	5.569	0.000	98	2265937	100.0	92.3	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	98	1287056	100.0	98.5	
77 Ethyl methacrylate	69	5.828	5.828	0.000	94	1112221	100.0	97.0	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	91	672991	100.0	93.6	
79 Tetrachloroethene	166	5.962	5.963	-0.001	97	1003205	100.0	94.2	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	98	1323051	100.0	96.6	
81 2-Hexanone	43	6.108	6.108	0.000	99	3136604	500.0	508.9	
82 Chlorodibromomethane	129	6.222	6.222	0.000	91	1011655	100.0	100.1	
83 Ethylene Dibromide	107	6.294	6.294	0.000	99	870640	100.0	98.7	
86 Chlorobenzene	112	6.657	6.657	0.000	96	2597198	100.0	94.3	
88 Ethylbenzene	91	6.729	6.719	0.010	98	4321690	100.0	93.5	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	46	954088	100.0	96.3	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	1754657	100.0	94.1	
91 o-Xylene	106	7.133	7.134	-0.001	97	1744990	100.0	93.7	
92 Styrene	104	7.154	7.154	0.000	96	2953640	100.0	97.2	
93 Bromoform	173	7.330	7.330	0.000	97	610906	100.0	106.0	
95 Isopropylbenzene	105	7.413	7.413	0.000	95	4437075	100.0	96.5	
97 Bromobenzene	156	7.672	7.672	0.000	93	1143722	100.0	92.2	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	93	1027062	100.0	94.9	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	5163839	100.0	92.9	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	89	314903	100.0	102.4	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	88	352519	100.0	97.7	
105 2-Chlorotoluene	126	7.817	7.818	-0.001	97	1076646	100.0	94.6	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	94	3776768	100.0	95.2	
102 4-Chlorotoluene	91	7.911	7.911	0.000	97	3617797	100.0	95.2	
106 tert-Butylbenzene	134	8.149	8.139	0.010	93	843615	100.0	97.4	
107 1,2,4-Trimethylbenzene	105	8.190	8.191	-0.001	97	3922901	100.0	95.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	4927554	100.0	94.3	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	98	2206270	100.0	93.8	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	4263693	100.0	97.2	
113 1,4-Dichlorobenzene	146	8.501	8.502	-0.001	96	2230536	100.0	94.6	
115 n-Butylbenzene	91	8.771	8.771	0.000	98	3853749	100.0	96.5	
116 1,2-Dichlorobenzene	146	8.812	8.812	0.000	99	2162571	100.0	95.2	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	89	173498	100.0	100.5	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	95	1572503	100.0	98.5	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	98	658360	100.0	94.5	
121 Naphthalene	128	10.325	10.325	0.000	97	3909914	100.0	102.1	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	97	1500834	100.0	96.4	
S 123 1,3-Dichloropropene, Total	1				0			194.5	
S 124 1,2-Dichloroethene, Total	1				0			178.4	
S 125 Total BTEX	1				0			466.5	
S 126 Xylenes, Total	1				0			187.8	

Reagents:

8260 CORP mix_00055	Amount Added:	50.00	Units: uL	
GAS CORP mix_00115	Amount Added:	50.00	Units: uL	
T_8260_IS_00113	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_Surr_00112	Amount Added:	1.00	Units: uL	Run Reagent

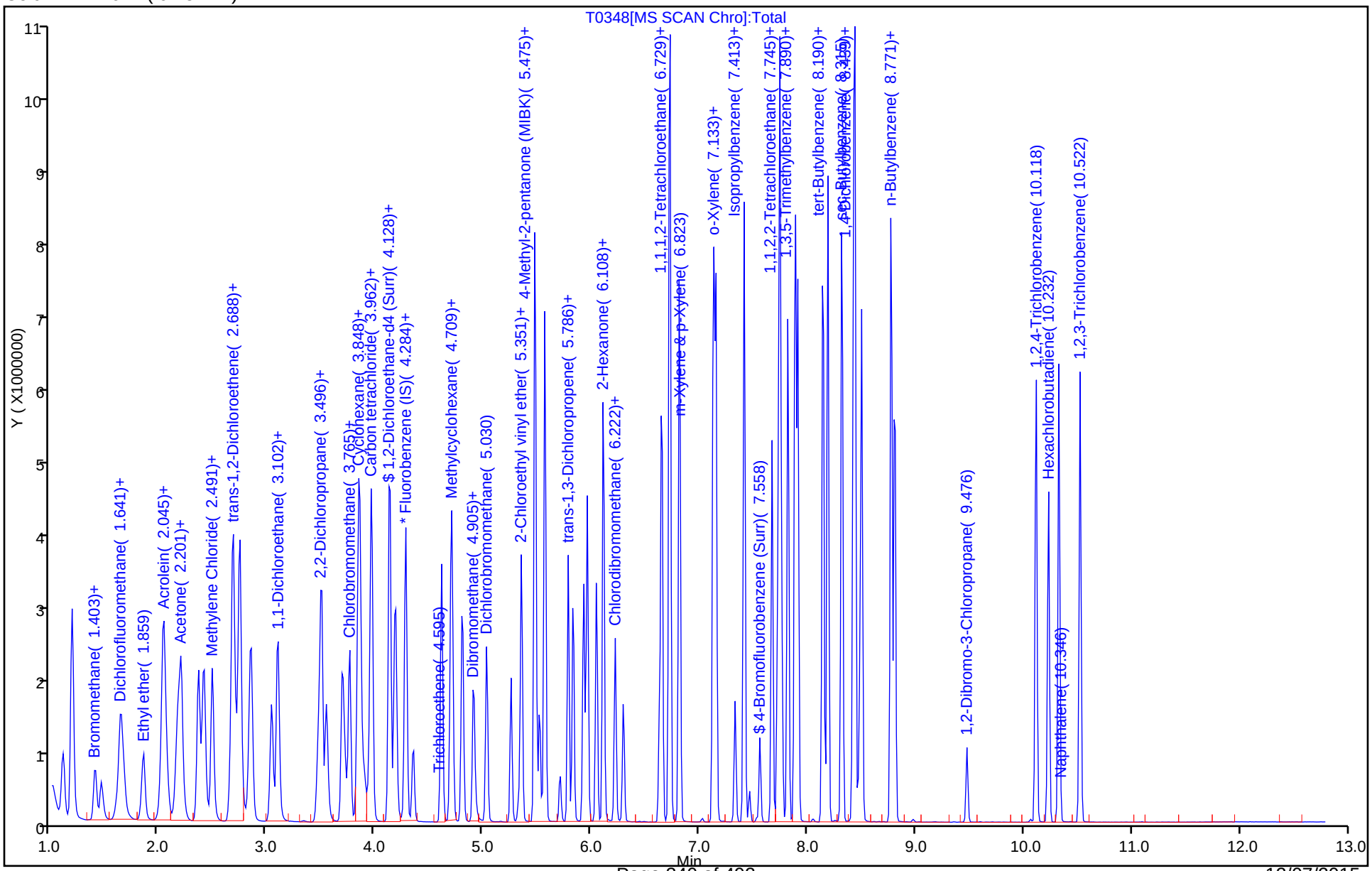
Report Date: 21-Oct-2015 12:10:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0348.D

Injection Date:	20-Oct-2015 17:59:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	72
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277087/4 Calibration Date: 11/27/2015 07:32

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2827.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.838	1.857	0.1000	50.5	50.0	1.0	50.0
Chloromethane	Ave	1.477	1.468	0.1000	49.7	50.0	-0.6	20.0
Vinyl chloride	Ave	1.269	1.247	0.1000	49.1	50.0	-1.7	20.0
Butadiene	Ave	1.295	1.311		50.6	50.0	1.2	20.0
Bromomethane	Ave	0.8267	0.7631	0.1000	46.2	50.0	-7.7	50.0
Chloroethane	Ave	0.6878	0.6589	0.1000	47.9	50.0	-4.2	50.0
Dichlorofluoromethane	Ave	1.921	1.906		49.6	50.0	-0.8	20.0
Trichlorofluoromethane	Ave	1.940	1.990	0.1000	51.3	50.0	2.6	20.0
Ethyl ether	Ave	1.304	1.004		38.5	50.0	-23.0*	20.0
Acrolein	Ave	0.3140	0.3483		277	250	10.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.405	1.323	0.1000	47.1	50.0	-5.8	20.0
1,1-Dichloroethene	Ave	1.458	1.376	0.1000	47.2	50.0	-5.6	20.0
Acetone	Ave	0.5347	0.6418	0.1000	300	250	20.0	50.0
Iodomethane	Ave	2.585	2.358		45.6	50.0	-8.8	20.0
Carbon disulfide	Ave	4.707	4.500	0.1000	47.8	50.0	-4.4	20.0
Methyl acetate	Ave	1.445	1.634	0.1000	283	250	13.1	50.0
Allyl chloride	Ave	2.672	2.607		48.8	50.0	-2.4	20.0
Methylene Chloride	Ave	1.802	1.609	0.1000	44.6	50.0	-10.7	20.0
2-Methyl-2-propanol	Ave	0.1887	0.1921		509	500	1.8	50.0
Methyl tert-butyl ether	Ave	4.531	4.175	0.1000	46.1	50.0	-7.9	20.0
trans-1,2-Dichloroethene	Ave	1.591	1.539	0.1000	48.3	50.0	-3.3	20.0
Acrylonitrile	Ave	0.6460	0.7370		570	500	14.1	20.0
Hexane	Ave	2.865	2.743		47.9	50.0	-4.3	20.0
Vinyl acetate	Ave	2.894	3.114		108	100	7.6	20.0
1,1-Dichloroethane	Ave	2.862	2.701	0.2000	47.2	50.0	-5.6	20.0
2,2-Dichloropropane	Ave	2.080	1.960		47.1	50.0	-5.8	20.0
2-Butanone (MEK)	Ave	0.8203	0.9916	0.1000	302	250	20.9*	20.0
cis-1,2-Dichloroethene	Ave	1.706	1.614	0.1000	47.3	50.0	-5.4	20.0
Chlorobromomethane	Ave	0.8291	0.7618		45.9	50.0	-8.1	20.0
Tetrahydrofuran	Ave	0.5821	0.6822		117	100	17.2	20.0
Chloroform	Ave	2.627	2.471	0.2000	47.0	50.0	-5.9	20.0
1,1,1-Trichloroethane	Ave	2.186	2.058	0.1000	47.1	50.0	-5.9	20.0
Cyclohexane	Ave	2.761	2.652	0.1000	48.0	50.0	-4.0	20.0
1,1-Dichloropropene	Ave	2.133	2.027		47.5	50.0	-5.0	20.0
Carbon tetrachloride	Ave	1.895	1.787	0.1000	47.2	50.0	-5.7	20.0
Isobutyl alcohol	Ave	0.0787	0.0939		1490	1250	19.3	50.0
Benzene	Ave	6.300	5.954	0.5000	47.3	50.0	-5.5	20.0
1,2-Dichloroethane	Ave	2.073	1.896	0.1000	45.7	50.0	-8.6	20.0
n-Heptane	Ave	2.888	2.874		49.8	50.0	-0.5	20.0
Trichloroethene	Ave	1.577	1.457	0.2000	46.2	50.0	-7.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277087/4 Calibration Date: 11/27/2015 07:32

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2827.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.707	2.621	0.1000	48.4	50.0	-3.1	20.0
1,2-Dichloropropane	Ave	1.520	1.438	0.1000	47.3	50.0	-5.4	20.0
1,4-Dioxane	Lin1		0.0076		1030	1000	2.6	50.0
Dibromomethane	Ave	0.8827	0.8448	0.1000	47.9	50.0	-4.3	20.0
Bromodichloromethane	Ave	1.824	1.681	0.2000	46.1	50.0	-7.8	20.0
2-Chloroethyl vinyl ether	Ave	0.7670	0.7539		49.1	50.0	-1.7	20.0
cis-1,3-Dichloropropene	Ave	2.292	2.138	0.2000	46.7	50.0	-6.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8296	0.9416	0.1000	284	250	13.5	20.0
Toluene	Ave	1.983	1.937	0.4000	48.9	50.0	-2.3	20.0
Ethyl methacrylate	Ave	0.9290	0.9292		50.0	50.0	0.0	20.0
trans-1,3-Dichloropropene	Ave	1.027	0.9871	0.1000	48.1	50.0	-3.8	20.0
1,1,2-Trichloroethane	Ave	0.5468	0.5368	0.1000	49.1	50.0	-1.8	20.0
Tetrachloroethene	Ave	0.7971	0.7344	0.2000	46.1	50.0	-7.9	20.0
1,3-Dichloropropane	Ave	1.131	1.101		48.7	50.0	-2.6	20.0
2-Hexanone	Ave	0.5916	0.7155	0.1000	302	250	20.9*	20.0
Dibromochloromethane	Ave	0.6899	0.6629	0.1000	48.0	50.0	-3.9	20.0
1,2-Dibromoethane	Ave	0.6776	0.6597		48.7	50.0	-2.6	20.0
Chlorobenzene	Ave	2.167	1.979	0.5000	45.7	50.0	-8.7	20.0
Ethylbenzene	Ave	3.588	3.372	0.1000	47.0	50.0	-6.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6993	0.6487		46.4	50.0	-7.2	20.0
m,p-Xylene	Ave	1.543	1.333	0.1000	43.2	50.0	-13.6	20.0
o-Xylene	Ave	1.390	1.269	0.3000	45.6	50.0	-8.7	20.0
Styrene	Ave	2.237	2.131	0.3000	47.6	50.0	-4.8	20.0
Bromoform	Ave	0.3663	0.3398	0.1000	46.4	50.0	-7.2	50.0
Isopropylbenzene	Ave	3.702	3.525	0.1000	47.6	50.0	-4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9009	0.9612	0.3000	53.3	50.0	6.7	20.0
Bromobenzene	Ave	0.9441	0.8668		45.9	50.0	-8.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3136	0.3431		54.7	50.0	9.4	50.0
N-Propylbenzene	Ave	4.382	4.318		49.3	50.0	-1.5	20.0
1,2,3-Trichloropropane	Ave	0.2939	0.3075		52.3	50.0	4.6	20.0
2-Chlorotoluene	Ave	0.9135	0.8653		47.4	50.0	-5.3	20.0
1,3,5-Trimethylbenzene	Ave	3.121	2.954		47.3	50.0	-5.3	20.0
4-Chlorotoluene	Ave	0.9681	0.9179		47.4	50.0	-5.2	20.0
tert-Butylbenzene	Ave	0.7072	0.6650		47.0	50.0	-6.0	20.0
1,2,4-Trimethylbenzene	Ave	3.217	2.998		46.6	50.0	-6.8	20.0
sec-Butylbenzene	Ave	3.975	3.889		48.9	50.0	-2.2	20.0
4-Isopropyltoluene	Ave	3.443	3.309		48.1	50.0	-3.9	20.0
1,3-Dichlorobenzene	Ave	1.823	1.734	0.6000	47.6	50.0	-4.9	20.0
1,4-Dichlorobenzene	Ave	1.848	1.732	0.5000	46.9	50.0	-6.3	20.0
n-Butylbenzene	Ave	2.999	3.026		50.5	50.0	0.9	20.0
1,2-Dichlorobenzene	Ave	1.705	1.600	0.4000	46.9	50.0	-6.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277087/4 Calibration Date: 11/27/2015 07:32

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2827.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1532	0.1677	0.0500	54.7	50.0	9.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9328	0.8900	0.2000	47.7	50.0	-4.6	20.0
Hexachlorobutadiene	Ave	0.4124	0.4041		49.0	50.0	-2.0	20.0
Naphthalene	Ave	3.019	2.933		48.6	50.0	-2.9	20.0
1,2,3-Trichlorobenzene	Ave	0.8693	0.8393		48.3	50.0	-3.5	20.0
Dibromofluoromethane (Surr)	Ave	1.016	0.8657		42.6	50.0	-14.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6126	0.5346		43.6	50.0	-12.7	20.0
Toluene-d8 (Surr)	Ave	2.052	1.752		42.7	50.0	-14.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5568	0.4690		42.1	50.0	-15.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2827.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Nov-2015 07:32:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0048735-004
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 09:27:33 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: cwiklinc Date: 27-Nov-2015 09:27:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	155669	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	304395	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	276782	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.847	4.847	0.000	93	134757	50.0	42.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	83214	50.0	43.6	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	533419	50.0	42.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.416	0.000	87	142765	50.0	42.1	
10 Dichlorodifluoromethane	85	1.902	1.902	0.000	99	289058	50.0	50.5	
12 Chloromethane	50	2.054	2.054	0.000	99	228548	50.0	49.7	
13 Vinyl chloride	62	2.170	2.170	0.000	98	194168	50.0	49.1	
151 Butadiene	54	2.176	2.176	0.000	95	204044	50.0	50.6	
14 Bromomethane	94	2.456	2.456	0.000	92	118795	50.0	46.2	
15 Chloroethane	64	2.523	2.523	0.000	99	102574	50.0	47.9	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	97	296656	50.0	49.6	
17 Trichlorofluoromethane	101	2.711	2.711	0.000	100	309746	50.0	51.3	
18 Ethyl ether	59	2.906	2.906	0.000	94	156363	50.0	38.5	
20 Acrolein	56	3.064	3.064	0.000	99	271076	250.0	277.3	
21 1,1,2-Trichloro-1,2,2-trif	101	3.095	3.095	0.000	94	206008	50.0	47.1	
22 1,1-Dichloroethene	96	3.119	3.119	0.000	97	214166	50.0	47.2	
23 Acetone	43	3.174	3.174	0.000	100	499568	250.0	300.1	
25 Iodomethane	142	3.277	3.277	0.000	98	367115	50.0	45.6	
26 Carbon disulfide	76	3.332	3.332	0.000	99	700557	50.0	47.8	
27 Methyl acetate	43	3.393	3.393	0.000	98	1271976	250.0	282.8	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	94	405767	50.0	48.8	
30 Methylene Chloride	84	3.508	3.508	0.000	96	250424	50.0	44.6	
31 2-Methyl-2-propanol	59	3.557	3.557	0.000	98	299041	500.0	508.9	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	96	649860	50.0	46.1	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	99	239509	50.0	48.3	
33 Acrylonitrile	53	3.709	3.709	0.000	99	1147281	500.0	570.4	
35 Hexane	57	3.831	3.831	0.000	94	426922	50.0	47.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.007	4.007	0.000	97	969427	100.0	107.6	
39 1,1-Dichloroethane	63	4.026	4.026	0.000	97	420502	50.0	47.2	
43 2-Butanone (MEK)	43	4.464	4.464	0.000	100	771800	250.0	302.2	
44 2,2-Dichloropropane	77	4.464	4.464	0.000	91	305147	50.0	47.1	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	80	251320	50.0	47.3	
48 Chlorobromomethane	128	4.683	4.683	0.000	97	118591	50.0	45.9	
49 Tetrahydrofuran	42	4.701	4.701	0.000	90	212384	100.0	117.2	
50 Chloroform	83	4.713	4.713	0.000	96	384720	50.0	47.0	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	99	320389	50.0	47.1	
52 Cyclohexane	56	4.889	4.889	0.000	92	412766	50.0	48.0	
54 1,1-Dichloropropene	75	4.981	4.981	0.000	94	315491	50.0	47.5	
55 Carbon tetrachloride	117	4.987	4.987	0.000	98	278248	50.0	47.2	
53 Isobutyl alcohol	43	5.041	5.041	0.000	94	365576	1250.0	1491.4	
57 Benzene	78	5.163	5.163	0.000	97	926858	50.0	47.3	
58 1,2-Dichloroethane	62	5.200	5.200	0.000	96	295115	50.0	45.7	
59 n-Heptane	43	5.254	5.254	0.000	95	447423	50.0	49.8	
62 Trichloroethene	95	5.680	5.680	0.000	98	226874	50.0	46.2	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	408067	50.0	48.4	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	223846	50.0	47.3	
66 1,4-Dioxane	88	6.009	6.009	0.000	95	46217	1000.0	1025.9	
67 Dibromomethane	93	6.033	6.033	0.000	96	131505	50.0	47.9	
68 Dichlorobromomethane	83	6.143	6.143	0.000	99	261736	50.0	46.1	
69 2-Chloroethyl vinyl ether	63	6.356	6.356	0.000	93	117360	50.0	49.1	
72 cis-1,3-Dichloropropene	75	6.520	6.520	0.000	95	332895	50.0	46.7	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	98	1433052	250.0	283.8	
74 Toluene	92	6.818	6.818	0.000	98	589702	50.0	48.9	
75 Ethyl methacrylate	69	7.043	7.043	0.000	82	282855	50.0	50.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	300470	50.0	48.1	
79 1,1,2-Trichloroethane	83	7.238	7.238	0.000	92	163398	50.0	49.1	
81 Tetrachloroethene	166	7.335	7.335	0.000	95	223555	50.0	46.1	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	95	335077	50.0	48.7	
80 2-Hexanone	43	7.414	7.414	0.000	96	1089040	250.0	302.4	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	201795	50.0	48.0	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	200803	50.0	48.7	
87 Chlorobenzene	112	8.223	8.223	0.000	95	602427	50.0	45.7	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1026567	50.0	47.0	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	95	197451	50.0	46.4	
90 m-Xylene & p-Xylene	106	8.400	8.400	0.000	99	405857	50.0	43.2	
91 o-Xylene	106	8.832	8.832	0.000	96	386354	50.0	45.6	
92 Styrene	104	8.856	8.856	0.000	95	648571	50.0	47.6	
95 Bromoform	173	9.136	9.136	0.000	96	103430	50.0	46.4	
94 Isopropylbenzene	105	9.203	9.203	0.000	96	975653	50.0	47.6	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	266051	50.0	53.3	
101 Bromobenzene	156	9.586	9.586	0.000	95	239909	50.0	45.9	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	60	94963	50.0	54.7	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	1195207	50.0	49.3	
100 1,2,3-Trichloropropane	110	9.635	9.635	0.000	82	85111	50.0	52.3	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	239485	50.0	47.4	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	817746	50.0	47.3	
105 4-Chlorotoluene	126	9.860	9.860	0.000	97	254049	50.0	47.4	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	184064	50.0	47.0	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	829835	50.0	46.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	94	1076318	50.0	48.9	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	97	916006	50.0	48.1	
111 1,3-Dichlorobenzene	146	10.474	10.474	0.000	98	479855	50.0	47.6	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	479361	50.0	46.9	
115 n-Butylbenzene	91	10.815	10.815	0.000	98	837651	50.0	50.5	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	442819	50.0	46.9	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	84	46402	50.0	54.7	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	95	246328	50.0	47.7	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	93	111847	50.0	49.0	
121 Naphthalene	128	12.445	12.445	0.000	97	811744	50.0	48.6	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	232310	50.0	48.3	

Reagents:

GAS CORP mix_00123	Amount Added: 25.00	Units: uL	
8260 CORP mix_00059	Amount Added: 25.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added: 1.00	Units: uL	Run Reagent

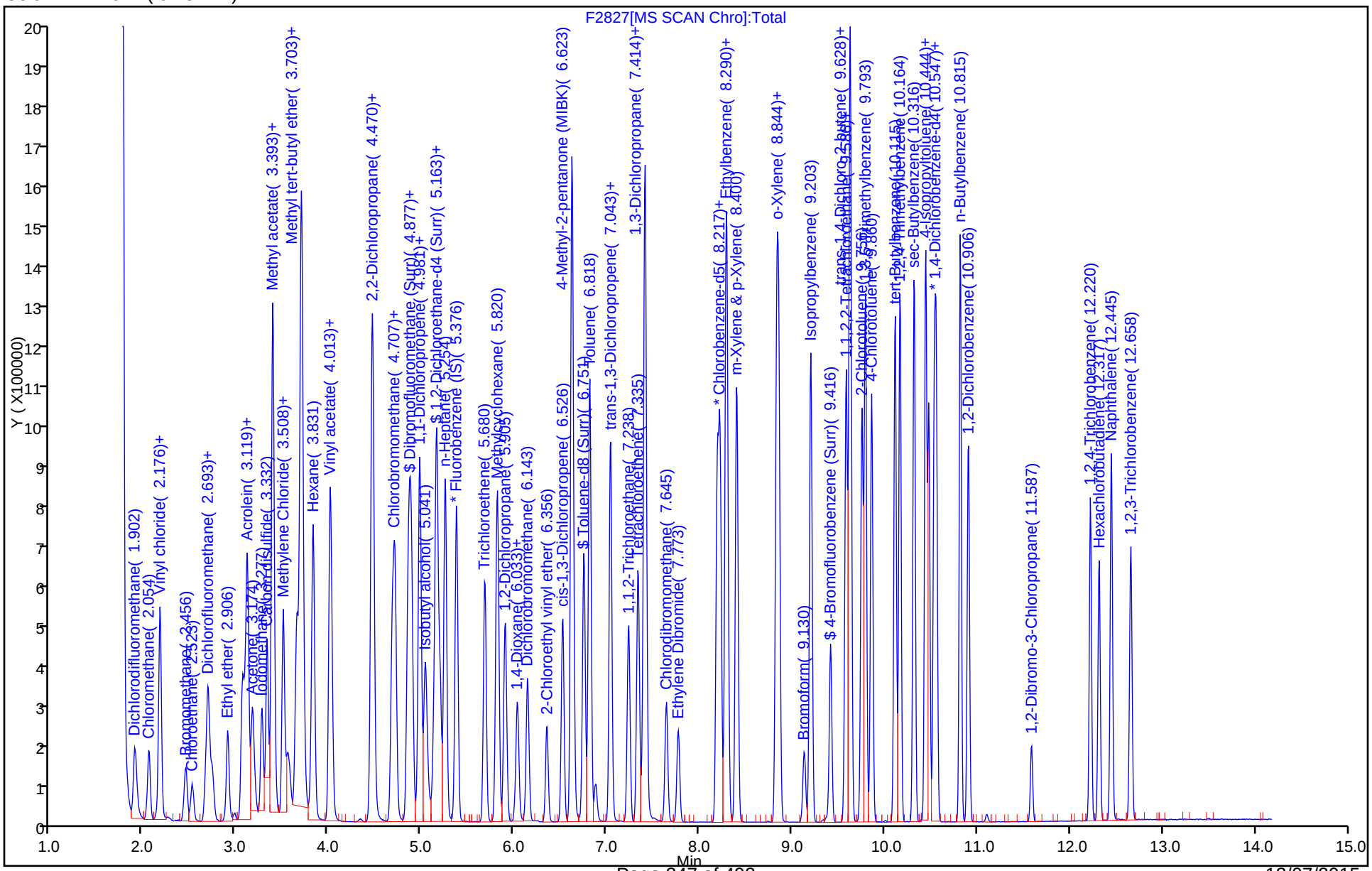
Report Date: 27-Nov-2015 09:27:34 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2827.D

Injection Date:	27-Nov-2015 07:32:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277216/3 Calibration Date: 11/27/2015 19:31

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2854.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.838	1.730	0.1000	47.1	50.0	-5.9	50.0
Chloromethane	Ave	1.477	1.377	0.1000	46.6	50.0	-6.8	20.0
Vinyl chloride	Ave	1.269	1.192	0.1000	47.0	50.0	-6.1	20.0
Butadiene	Ave	1.295	1.222		47.2	50.0	-5.7	20.0
Bromomethane	Ave	0.8267	0.7107	0.1000	43.0	50.0	-14.0	50.0
Chloroethane	Ave	0.6878	0.6175	0.1000	44.9	50.0	-10.2	50.0
Dichlorofluoromethane	Ave	1.921	1.756		45.7	50.0	-8.6	20.0
Trichlorofluoromethane	Ave	1.940	1.819	0.1000	46.9	50.0	-6.2	20.0
Ethyl ether	Ave	1.304	1.020		39.1	50.0	-21.7*	20.0
Acrolein	Ave	0.3140	0.3476		277	250	10.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.405	1.310	0.1000	46.6	50.0	-6.8	20.0
1,1-Dichloroethene	Ave	1.458	1.354	0.1000	46.4	50.0	-7.1	20.0
Acetone	Ave	0.5347	0.6043	0.1000	283	250	13.0	50.0
Iodomethane	Ave	2.585	2.321		44.9	50.0	-10.2	20.0
Carbon disulfide	Ave	4.707	4.476	0.1000	47.5	50.0	-4.9	20.0
Allyl chloride	Ave	2.672	2.580		48.3	50.0	-3.4	20.0
Methyl acetate	Ave	1.445	1.595	0.1000	276	250	10.4	50.0
Methylene Chloride	Ave	1.802	1.592	0.1000	44.2	50.0	-11.7	20.0
2-Methyl-2-propanol	Ave	0.1887	0.1873		496	500	-0.8	50.0
Methyl tert-butyl ether	Ave	4.531	4.133	0.1000	45.6	50.0	-8.8	20.0
trans-1,2-Dichloroethene	Ave	1.591	1.539	0.1000	48.3	50.0	-3.3	20.0
Acrylonitrile	Ave	0.6460	0.7149		553	500	10.7	20.0
Hexane	Ave	2.865	2.680		46.8	50.0	-6.4	20.0
Vinyl acetate	Ave	2.894	3.115		108	100	7.6	20.0
1,1-Dichloroethane	Ave	2.862	2.665	0.2000	46.6	50.0	-6.9	20.0
2,2-Dichloropropane	Ave	2.080	1.893		45.5	50.0	-9.0	20.0
2-Butanone (MEK)	Ave	0.8203	1.001	0.1000	305	250	22.0*	20.0
cis-1,2-Dichloroethene	Ave	1.706	1.612	0.1000	47.2	50.0	-5.5	20.0
Chlorobromomethane	Ave	0.8291	0.7601		45.8	50.0	-8.3	20.0
Tetrahydrofuran	Ave	0.5821	0.6813		117	100	17.1	20.0
Chloroform	Ave	2.627	2.409	0.2000	45.9	50.0	-8.3	20.0
1,1,1-Trichloroethane	Ave	2.186	1.977	0.1000	45.2	50.0	-9.6	20.0
Cyclohexane	Ave	2.761	2.640	0.1000	47.8	50.0	-4.4	20.0
1,1-Dichloropropene	Ave	2.133	1.995		46.8	50.0	-6.5	20.0
Carbon tetrachloride	Ave	1.895	1.746	0.1000	46.1	50.0	-7.8	20.0
Isobutyl alcohol	Ave	0.0787	0.0986		1570	1250	25.2	50.0
Benzene	Ave	6.300	5.906	0.5000	46.9	50.0	-6.3	20.0
1,2-Dichloroethane	Ave	2.073	1.841	0.1000	44.4	50.0	-11.2	20.0
n-Heptane	Ave	2.888	2.854		49.4	50.0	-1.2	20.0
Trichloroethene	Ave	1.577	1.449	0.2000	46.0	50.0	-8.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277216/3 Calibration Date: 11/27/2015 19:31

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2854.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.707	2.543	0.1000	47.0	50.0	-6.0	20.0
1,2-Dichloropropane	Ave	1.520	1.422	0.1000	46.8	50.0	-6.5	20.0
1,4-Dioxane	Lin1		0.0083		1120	1000	12.0	50.0
Dibromomethane	Ave	0.8827	0.8321	0.1000	47.1	50.0	-5.7	20.0
Bromodichloromethane	Ave	1.824	1.649	0.2000	45.2	50.0	-9.6	20.0
2-Chloroethyl vinyl ether	Ave	0.7670	0.7801		50.9	50.0	1.7	20.0
cis-1,3-Dichloropropene	Ave	2.292	2.101	0.2000	45.8	50.0	-8.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8296	0.9313	0.1000	281	250	12.3	20.0
Toluene	Ave	1.983	1.848	0.4000	46.6	50.0	-6.8	20.0
Ethyl methacrylate	Ave	0.9290	0.9144		49.2	50.0	-1.6	20.0
trans-1,3-Dichloropropene	Ave	1.027	0.9813	0.1000	47.8	50.0	-4.4	20.0
1,1,2-Trichloroethane	Ave	0.5468	0.5283	0.1000	48.3	50.0	-3.4	20.0
Tetrachloroethene	Ave	0.7971	0.7465	0.2000	46.8	50.0	-6.4	20.0
1,3-Dichloropropane	Ave	1.131	1.092		48.3	50.0	-3.4	20.0
2-Hexanone	Ave	0.5916	0.7041	0.1000	298	250	19.0	20.0
Dibromochloromethane	Ave	0.6899	0.6555	0.1000	47.5	50.0	-5.0	20.0
1,2-Dibromoethane	Ave	0.6776	0.6464		47.7	50.0	-4.6	20.0
Chlorobenzene	Ave	2.167	1.969	0.5000	45.4	50.0	-9.2	20.0
Ethylbenzene	Ave	3.588	3.314	0.1000	46.2	50.0	-7.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6993	0.6360		45.5	50.0	-9.1	20.0
m,p-Xylene	Ave	1.543	1.330	0.1000	43.1	50.0	-13.8	20.0
o-Xylene	Ave	1.390	1.260	0.3000	45.3	50.0	-9.4	20.0
Styrene	Ave	2.237	2.119	0.3000	47.3	50.0	-5.3	20.0
Bromoform	Ave	0.3663	0.3325	0.1000	45.4	50.0	-9.2	50.0
Isopropylbenzene	Ave	3.702	3.443	0.1000	46.5	50.0	-7.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9009	0.9320	0.3000	51.7	50.0	3.5	20.0
Bromobenzene	Ave	0.9441	0.8581		45.4	50.0	-9.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3136	0.3364		53.6	50.0	7.2	50.0
N-Propylbenzene	Ave	4.382	4.225		48.2	50.0	-3.6	20.0
1,2,3-Trichloropropane	Ave	0.2939	0.2937		50.0	50.0	-0.0	20.0
2-Chlorotoluene	Ave	0.9135	0.8537		46.7	50.0	-6.5	20.0
1,3,5-Trimethylbenzene	Ave	3.121	2.878		46.1	50.0	-7.8	20.0
4-Chlorotoluene	Ave	0.9681	0.9096		47.0	50.0	-6.0	20.0
tert-Butylbenzene	Ave	0.7072	0.6452		45.6	50.0	-8.8	20.0
1,2,4-Trimethylbenzene	Ave	3.217	2.935		45.6	50.0	-8.8	20.0
sec-Butylbenzene	Ave	3.975	3.781		47.6	50.0	-4.9	20.0
4-Isopropyltoluene	Ave	3.443	3.232		46.9	50.0	-6.1	20.0
1,3-Dichlorobenzene	Ave	1.823	1.700	0.6000	46.6	50.0	-6.7	20.0
1,4-Dichlorobenzene	Ave	1.848	1.730	0.5000	46.8	50.0	-6.4	20.0
n-Butylbenzene	Ave	2.999	2.960		49.4	50.0	-1.3	20.0
1,2-Dichlorobenzene	Ave	1.705	1.577	0.4000	46.2	50.0	-7.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277216/3 Calibration Date: 11/27/2015 19:31

Instrument ID: HP5973F Calib Start Date: 11/19/2015 03:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/19/2015 06:30

Lab File ID: F2854.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1532	0.1591	0.0500	51.9	50.0	3.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9328	0.8951	0.2000	48.0	50.0	-4.0	20.0
Hexachlorobutadiene	Ave	0.4124	0.3974		48.2	50.0	-3.7	20.0
Naphthalene	Ave	3.019	2.858		47.3	50.0	-5.3	20.0
1,2,3-Trichlorobenzene	Ave	0.8693	0.8209		47.2	50.0	-5.6	20.0
Dibromofluoromethane (Surr)	Ave	1.016	0.8679		42.7	50.0	-14.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6126	0.5262		43.0	50.0	-14.1	20.0
Toluene-d8 (Surr)	Ave	2.052	1.741		42.4	50.0	-15.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5568	0.4698		42.2	50.0	-15.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2854.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Nov-2015 19:31:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0048754-003
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 20:06:10 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: diasn Date: 27-Nov-2015 20:06:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	157713	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	306850	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	280770	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	136886	50.0	42.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	82993	50.0	43.0	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	534133	50.0	42.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	144161	50.0	42.2	
10 Dichlorodifluoromethane	85	1.914	1.914	0.000	100	272854	50.0	47.1	
12 Chloromethane	50	2.066	2.066	0.000	100	217236	50.0	46.6	
13 Vinyl chloride	62	2.176	2.176	0.000	99	187929	50.0	47.0	
151 Butadiene	54	2.182	2.182	0.000	93	192691	50.0	47.2	
14 Bromomethane	94	2.462	2.462	0.000	92	112086	50.0	43.0	
15 Chloroethane	64	2.529	2.529	0.000	99	97392	50.0	44.9	
16 Dichlorofluoromethane	67	2.693	2.693	0.000	97	276875	50.0	45.7	
17 Trichlorofluoromethane	101	2.711	2.711	0.000	100	286809	50.0	46.9	
18 Ethyl ether	59	2.912	2.912	0.000	94	160941	50.0	39.1	
20 Acrolein	56	3.070	3.070	0.000	100	274089	250.0	276.8	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	95	206637	50.0	46.6	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	213510	50.0	46.4	
23 Acetone	43	3.180	3.180	0.000	100	476559	250.0	282.6	
25 Iodomethane	142	3.283	3.283	0.000	99	365996	50.0	44.9	
26 Carbon disulfide	76	3.338	3.338	0.000	99	705853	50.0	47.5	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	94	406924	50.0	48.3	
27 Methyl acetate	43	3.399	3.399	0.000	98	1257434	250.0	275.9	
30 Methylene Chloride	84	3.508	3.508	0.000	96	251093	50.0	44.2	
31 2-Methyl-2-propanol	59	3.569	3.569	0.000	99	295407	500.0	496.2	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	96	651866	50.0	45.6	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	99	242658	50.0	48.3	
33 Acrylonitrile	53	3.715	3.715	0.000	99	1127440	500.0	553.3	
35 Hexane	57	3.831	3.831	0.000	94	422739	50.0	46.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.013	0.000	97	982494	100.0	107.6	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	97	420313	50.0	46.6	
44 2,2-Dichloropropane	77	4.463	4.463	0.000	93	298504	50.0	45.5	
43 2-Butanone (MEK)	43	4.469	4.469	0.000	100	789142	250.0	305.0	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	80	254288	50.0	47.2	
48 Chlorobromomethane	128	4.682	4.682	0.000	98	119881	50.0	45.8	
49 Tetrahydrofuran	42	4.707	4.707	0.000	90	214903	100.0	117.1	
50 Chloroform	83	4.719	4.719	0.000	94	379983	50.0	45.9	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	98	311862	50.0	45.2	
52 Cyclohexane	56	4.889	4.889	0.000	92	416292	50.0	47.8	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	95	314683	50.0	46.8	
55 Carbon tetrachloride	117	4.987	4.987	0.000	97	275396	50.0	46.1	
53 Isobutyl alcohol	43	5.047	5.047	0.000	94	388746	1250.0	1565.4	
57 Benzene	78	5.163	5.163	0.000	97	931403	50.0	46.9	
58 1,2-Dichloroethane	62	5.199	5.199	0.000	97	290327	50.0	44.4	
59 n-Heptane	43	5.260	5.260	0.000	95	450048	50.0	49.4	
62 Trichloroethene	95	5.686	5.686	0.000	98	228579	50.0	46.0	
64 Methylcyclohexane	83	5.820	5.820	0.000	92	401093	50.0	47.0	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	224234	50.0	46.8	
66 1,4-Dioxane	88	6.009	6.009	0.000	96	51006	1000.0	1119.8	
67 Dibromomethane	93	6.039	6.039	0.000	96	131226	50.0	47.1	
68 Dichlorobromomethane	83	6.149	6.149	0.000	100	260033	50.0	45.2	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	92	123032	50.0	50.9	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	331356	50.0	45.8	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	97	1428811	250.0	280.7	
74 Toluene	92	6.818	6.818	0.000	98	567050	50.0	46.6	
75 Ethyl methacrylate	69	7.037	7.037	0.000	81	280576	50.0	49.2	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	301098	50.0	47.8	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	92	162096	50.0	48.3	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	229054	50.0	46.8	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	95	335092	50.0	48.3	
80 2-Hexanone	43	7.414	7.414	0.000	97	1080247	250.0	297.5	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	201139	50.0	47.5	
84 Ethylene Dibromide	107	7.773	7.773	0.000	99	198346	50.0	47.7	
87 Chlorobenzene	112	8.223	8.223	0.000	95	604139	50.0	45.4	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1016916	50.0	46.2	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	195157	50.0	45.5	
90 m-Xylene & p-Xylene	106	8.406	8.406	0.000	99	408051	50.0	43.1	
91 o-Xylene	106	8.837	8.837	0.000	96	386632	50.0	45.3	
92 Styrene	104	8.856	8.856	0.000	95	650113	50.0	47.3	
95 Bromoform	173	9.129	9.129	0.000	95	102018	50.0	45.4	
94 Isopropylbenzene	105	9.202	9.202	0.000	96	966821	50.0	46.5	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	261689	50.0	51.7	
101 Bromobenzene	156	9.586	9.586	0.000	94	240931	50.0	45.4	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	61	94438	50.0	53.6	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	1186238	50.0	48.2	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	84	82456	50.0	50.0	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	239685	50.0	46.7	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	95	808177	50.0	46.1	
105 4-Chlorotoluene	126	9.859	9.859	0.000	97	255401	50.0	47.0	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	181147	50.0	45.6	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	824019	50.0	45.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	94	1061573	50.0	47.6	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	97	907527	50.0	46.9	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	98	477304	50.0	46.6	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	485770	50.0	46.8	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	831140	50.0	49.4	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	442823	50.0	46.2	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	93	44657	50.0	51.9	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	95	251323	50.0	48.0	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	93	111571	50.0	48.2	
121 Naphthalene	128	12.445	12.445	0.000	97	802322	50.0	47.3	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	230486	50.0	47.2	

Reagents:

GAS CORP mix_00123	Amount Added: 25.00	Units: uL	
8260 CORP mix_00059	Amount Added: 25.00	Units: uL	
F 8260 SURR_00130	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added: 1.00	Units: uL	Run Reagent

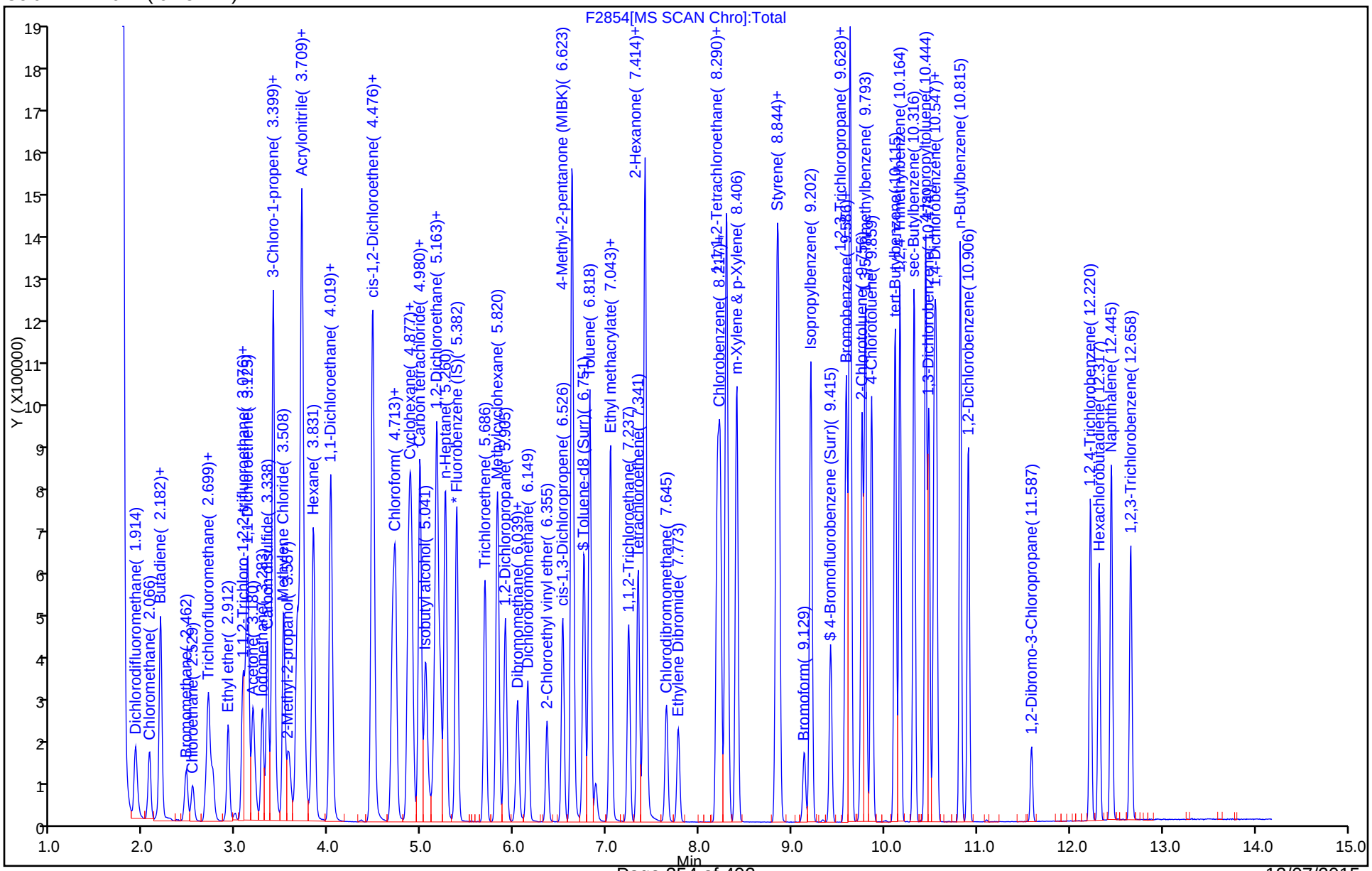
Report Date: 27-Nov-2015 20:06:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2854.D

Injection Date:	27-Nov-2015 19:31:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277340/3 Calibration Date: 11/30/2015 10:25

Instrument ID: HP5973N Calib Start Date: 11/09/2015 17:26

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/09/2015 20:32

Lab File ID: N5036.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.360	1.927	0.1000	35.4	25.0	41.7	50.0
Chloromethane	Ave	1.625	1.548	0.1000	23.8	25.0	-4.7	20.0
Vinyl chloride	Ave	1.435	1.172	0.1000	20.4	25.0	-18.3	20.0
Butadiene	Ave	1.476	1.026		17.4	25.0	-30.5*	20.0
Bromomethane	Ave	0.7068	0.6744	0.1000	23.9	25.0	-4.6	50.0
Chloroethane	Ave	0.8473	0.6139	0.1000	18.1	25.0	-27.5	50.0
Dichlorofluoromethane	Ave	1.849	1.965		26.6	25.0	6.3	20.0
Trichlorofluoromethane	Ave	1.548	2.234	0.1000	36.1	25.0	44.3*	20.0
Ethyl ether	Ave	1.426	1.199		21.0	25.0	-16.0	20.0
Acrolein	Ave	0.2894	0.2090		90.3	125	-27.8	50.0
1,1-Dichloroethene	Ave	1.179	1.278	0.1000	27.1	25.0	8.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.997	1.191	0.1000	29.9	25.0	19.4	20.0
Acetone	Ave	0.4407	0.3760	0.1000	107	125	-14.7	50.0
Iodomethane	Ave	1.822	1.974		27.1	25.0	8.3	20.0
Carbon disulfide	Ave	3.597	3.540	0.1000	24.6	25.0	-1.6	20.0
Allyl chloride	Ave	2.479	1.943		19.6	25.0	-21.6*	20.0
Methyl acetate	Ave	1.473	1.115	0.1000	94.6	125	-24.3	50.0
Methylene Chloride	Lin1		1.333	0.1000	27.5	25.0	10.2	20.0
2-Methyl-2-propanol	Ave	0.0953	0.0944		248	250	-0.9	50.0
Methyl tert-butyl ether	Ave	4.068	3.904	0.1000	24.0	25.0	-4.0	20.0
trans-1,2-Dichloroethene	Ave	1.271	1.320	0.1000	25.9	25.0	3.8	20.0
Acrylonitrile	Ave	0.6236	0.5240		210	250	-16.0	20.0
Hexane	Ave	2.192	2.017		23.0	25.0	-8.0	20.0
1,1-Dichloroethane	Ave	2.398	2.310	0.2000	24.1	25.0	-3.7	20.0
Vinyl acetate	Ave	3.034	2.642		43.5	50.0	-12.9	20.0
2,2-Dichloropropane	Ave	1.018	1.101		27.0	25.0	8.2	20.0
cis-1,2-Dichloroethene	Ave	1.349	1.400	0.1000	25.9	25.0	3.8	20.0
2-Butanone (MEK)	Ave	0.8073	0.6233	0.1000	96.5	125	-22.8*	20.0
Chlorobromomethane	Ave	0.6609	0.7625		28.8	25.0	15.4	20.0
Tetrahydrofuran	Ave	0.5688	0.4609		40.5	50.0	-19.0	20.0
Chloroform	Ave	2.192	2.341	0.2000	26.7	25.0	6.8	20.0
1,1,1-Trichloroethane	Ave	1.634	1.894	0.1000	29.0	25.0	15.9	20.0
Cyclohexane	Ave	2.095	1.719	0.1000	20.5	25.0	-17.9	20.0
Carbon tetrachloride	Ave	1.391	1.773	0.1000	31.9	25.0	27.5*	20.0
1,1-Dichloropropene	Ave	1.633	1.743		26.7	25.0	6.7	20.0
Isobutyl alcohol	Ave	0.0666	0.0468		439	625	-29.8	50.0
Benzene	Ave	4.973	4.693	0.5000	23.6	25.0	-5.6	20.0
1,2-Dichloroethane	Ave	1.980	2.078	0.1000	26.2	25.0	5.0	20.0
n-Heptane	Ave	2.387	2.013		21.1	25.0	-15.7	20.0
Trichloroethene	Ave	1.251	1.368	0.2000	27.3	25.0	9.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277340/3 Calibration Date: 11/30/2015 10:25

Instrument ID: HP5973N Calib Start Date: 11/09/2015 17:26

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/09/2015 20:32

Lab File ID: N5036.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.093	2.099	0.1000	25.1	25.0	0.3	20.0
1,2-Dichloropropane	Ave	1.184	1.105	0.1000	23.3	25.0	-6.7	20.0
Dibromomethane	Ave	0.7191	0.7876	0.1000	27.4	25.0	9.5	20.0
1,4-Dioxane	Lin1		0.0034		534	500	6.8	50.0
Bromodichloromethane	Ave	1.399	1.660	0.2000	29.7	25.0	18.6	20.0
2-Chloroethyl vinyl ether	Ave	0.7662	0.6571		21.4	25.0	-14.2	20.0
cis-1,3-Dichloropropene	Ave	1.692	1.800	0.2000	26.6	25.0	6.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1700	0.1358	0.1000	99.9	125	-20.1*	20.0
Toluene	Ave	0.8834	0.8171	0.4000	23.1	25.0	-7.5	20.0
trans-1,3-Dichloropropene	Ave	0.4280	0.4384	0.1000	25.6	25.0	2.4	20.0
Ethyl methacrylate	Ave	0.4176	0.3600		21.6	25.0	-13.8	20.0
1,1,2-Trichloroethane	Ave	0.2506	0.2350	0.1000	23.4	25.0	-6.2	20.0
Tetrachloroethene	Ave	0.3990	0.4491	0.2000	28.1	25.0	12.6	20.0
1,3-Dichloropropane	Ave	0.5270	0.4671		22.2	25.0	-11.4	20.0
2-Hexanone	Ave	0.3049	0.2655	0.1000	109	125	-12.9	20.0
Dibromochloromethane	Ave	0.2616	0.3451	0.1000	33.0	25.0	31.9*	20.0
1,2-Dibromoethane	Ave	0.3051	0.3132		25.7	25.0	2.7	20.0
Chlorobenzene	Ave	0.9500	0.9163	0.5000	24.1	25.0	-3.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3034	0.3579		29.5	25.0	18.0	20.0
Ethylbenzene	Ave	1.554	1.462	0.1000	23.5	25.0	-5.9	20.0
m,p-Xylene	Ave	0.6304	0.6025	0.1000	23.9	25.0	-4.4	20.0
o-Xylene	Ave	0.6371	0.5884	0.3000	23.1	25.0	-7.6	20.0
Styrene	Ave	0.9753	0.9251	0.3000	23.7	25.0	-5.1	20.0
Bromoform	Ave	0.1417	0.2072	0.1000	36.6	25.0	46.2	50.0
Isopropylbenzene	Ave	3.045	2.696	0.1000	22.1	25.0	-11.4	20.0
Bromobenzene	Ave	0.7870	0.7674		24.4	25.0	-2.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8112	0.6759	0.3000	20.8	25.0	-16.7	20.0
1,2,3-Trichloropropane	Ave	0.2816	0.2567		22.8	25.0	-8.8	20.0
N-Propylbenzene	Ave	3.401	3.095		22.7	25.0	-9.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2822	0.2574		22.8	25.0	-8.8	50.0
2-Chlorotoluene	Ave	0.7219	0.6764		23.4	25.0	-6.3	20.0
1,3,5-Trimethylbenzene	Ave	2.508	2.241		22.3	25.0	-10.7	20.0
4-Chlorotoluene	Ave	2.421	2.202		22.7	25.0	-9.0	20.0
tert-Butylbenzene	Ave	0.5769	0.5471		23.7	25.0	-5.2	20.0
1,2,4-Trimethylbenzene	Ave	2.498	2.267		22.7	25.0	-9.2	20.0
sec-Butylbenzene	Ave	3.061	2.875		23.5	25.0	-6.1	20.0
1,3-Dichlorobenzene	Ave	1.474	1.459	0.6000	24.8	25.0	-1.0	20.0
4-Isopropyltoluene	Ave	2.747	2.662		24.2	25.0	-3.1	20.0
1,4-Dichlorobenzene	Ave	1.523	1.462	0.5000	24.0	25.0	-4.0	20.0
n-Butylbenzene	Ave	2.216	2.079		23.5	25.0	-6.2	20.0
1,2-Dichlorobenzene	Ave	1.394	1.366	0.4000	24.5	25.0	-2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277340/3 Calibration Date: 11/30/2015 10:25

Instrument ID: HP5973N Calib Start Date: 11/09/2015 17:26

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/09/2015 20:32

Lab File ID: N5036.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.1260	0.0500	21.8	25.0	-12.7	50.0
1,2,4-Trichlorobenzene	Ave	0.7905	0.8492	0.2000	26.9	25.0	7.4	20.0
Hexachlorobutadiene	Ave	0.4183	0.5149		30.8	25.0	23.1*	20.0
Naphthalene	Ave	2.283	2.105		23.1	25.0	-7.8	20.0
1,2,3-Trichlorobenzene	Ave	0.7472	0.8115		27.2	25.0	8.6	20.0
Dibromofluoromethane (Surr)	Ave	1.020	1.139		27.9	25.0	11.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.394	1.456		26.1	25.0	4.5	20.0
Toluene-d8 (Surr)	Ave	1.183	1.089		23.0	25.0	-7.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3586	0.3750		26.1	25.0	4.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5036.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Nov-2015 10:25:30 ALS Bottle#: 31 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0048783-003
Operator ID: gtg Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 13:29:18 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: goliszekg Date: 30-Nov-2015 11:23:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	75228	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	283832	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	94	160166	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	88	85719	25.0	27.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	109530	25.0	26.1	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	309204	25.0	23.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	93	106446	25.0	26.1	
11 Dichlorodifluoromethane	85	1.377	1.377	0.000	99	144956	25.0	35.4	
13 Chloromethane	50	1.547	1.547	0.000	99	116485	25.0	23.8	
14 Vinyl chloride	62	1.657	1.657	0.000	97	88197	25.0	20.4	
144 Butadiene	54	1.687	1.687	0.000	95	77194	25.0	17.4	
15 Bromomethane	94	1.985	1.985	0.000	95	50734	25.0	23.9	
16 Chloroethane	64	2.095	2.095	0.000	97	46185	25.0	18.1	
17 Dichlorofluoromethane	67	2.307	2.307	0.000	97	147800	25.0	26.6	
18 Trichlorofluoromethane	101	2.314	2.314	0.000	92	168045	25.0	36.1	
19 Ethyl ether	59	2.606	2.606	0.000	93	90169	25.0	21.0	
20 Acrolein	56	2.770	2.770	0.000	99	78623	125.0	90.3	
22 1,1-Dichloroethene	96	2.825	2.825	0.000	97	96147	25.0	27.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.831	2.831	0.000	52	89616	25.0	29.9	
23 Acetone	43	2.922	2.922	0.000	98	141438	125.0	106.7	
24 Iodomethane	142	2.983	2.983	0.000	100	148502	25.0	27.1	
25 Carbon disulfide	76	3.031	3.031	0.000	100	266297	25.0	24.6	
27 3-Chloro-1-propene	41	3.190	3.190	0.000	86	146205	25.0	19.6	
28 Methyl acetate	43	3.232	3.232	0.000	98	419208	125.0	94.6	
30 Methylene Chloride	84	3.330	3.330	0.000	94	100249	25.0	27.5	
31 2-Methyl-2-propanol	59	3.482	3.482	0.000	94	71046	250.0	247.8	
32 Methyl tert-butyl ether	73	3.561	3.561	0.000	98	293704	25.0	24.0	
33 trans-1,2-Dichloroethene	96	3.573	3.573	0.000	97	99266	25.0	25.9	
34 Acrylonitrile	53	3.597	3.597	0.000	97	394203	250.0	210.1	
35 Hexane	57	3.792	3.792	0.000	92	151737	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	173745	25.0	24.1	
39 Vinyl acetate	43	4.035	4.035	0.000	98	397477	50.0	43.5	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	90	82825	25.0	27.0	
43 cis-1,2-Dichloroethene	96	4.540	4.540	0.000	82	105336	25.0	25.9	
44 2-Butanone (MEK)	43	4.564	4.564	0.000	100	234457	125.0	96.5	
47 Chlorobromomethane	128	4.771	4.771	0.000	93	57358	25.0	28.8	
49 Tetrahydrofuran	42	4.802	4.802	0.000	89	69347	50.0	40.5	
50 Chloroform	83	4.850	4.850	0.000	94	176123	25.0	26.7	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	142469	25.0	29.0	
52 Cyclohexane	56	5.002	5.002	0.000	93	129351	25.0	20.5	
53 Carbon tetrachloride	117	5.124	5.124	0.000	97	133383	25.0	31.9	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	92	131141	25.0	26.7	
56 Isobutyl alcohol	43	5.313	5.313	0.000	71	87937	625.0	438.6	
55 Benzene	78	5.331	5.331	0.000	98	353040	25.0	23.6	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	98	156349	25.0	26.2	
59 n-Heptane	43	5.532	5.532	0.000	94	151429	25.0	21.1	
60 Trichloroethene	95	5.945	5.945	0.000	95	102892	25.0	27.3	
62 Methylcyclohexane	83	6.085	6.085	0.000	93	157871	25.0	25.1	
63 1,2-Dichloropropane	63	6.171	6.171	0.000	86	83103	25.0	23.3	
64 Dibromomethane	93	6.304	6.304	0.000	90	59246	25.0	27.4	
66 1,4-Dioxane	88	6.317	6.317	0.000	36	19512	500.0	533.9	
67 Dichlorobromomethane	83	6.456	6.456	0.000	99	124849	25.0	29.7	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	95	49435	25.0	21.4	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	92	135444	25.0	26.6	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	96	192740	125.0	99.9	
73 Toluene	92	7.180	7.180	0.000	99	231925	25.0	23.1	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	96	124425	25.0	25.6	
77 Ethyl methacrylate	69	7.497	7.497	0.000	90	102186	25.0	21.6	
78 1,1,2-Trichloroethane	83	7.631	7.631	0.000	91	66694	25.0	23.4	
79 Tetrachloroethene	166	7.722	7.722	0.000	98	127472	25.0	28.1	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	97	132580	25.0	22.2	
82 2-Hexanone	43	7.862	7.862	0.000	96	376742	125.0	108.8	M
83 Chlorodibromomethane	129	8.032	8.032	0.000	89	97951	25.0	33.0	
84 Ethylene Dibromide	107	8.142	8.142	0.000	98	88900	25.0	25.7	
85 Chlorobenzene	112	8.628	8.628	0.000	95	260077	25.0	24.1	
89 1,1,1,2-Tetrachloroethane	131	8.720	8.720	0.000	89	101592	25.0	29.5	
88 Ethylbenzene	91	8.726	8.726	0.000	98	415029	25.0	23.5	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	171020	25.0	23.9	
91 o-Xylene	106	9.273	9.273	0.000	96	167001	25.0	23.1	
92 Styrene	104	9.298	9.298	0.000	94	262583	25.0	23.7	
93 Bromoform	173	9.535	9.535	0.000	98	58798	25.0	36.6	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	431868	25.0	22.1	
97 Bromobenzene	156	9.991	9.991	0.000	89	122915	25.0	24.4	
98 1,1,2,2-Tetrachloroethane	83	10.028	10.028	0.000	97	108248	25.0	20.8	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	89	41118	25.0	22.8	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	64	41224	25.0	22.8	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	495697	25.0	22.7	
102 2-Chlorotoluene	126	10.180	10.180	0.000	97	108340	25.0	23.4	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.000	96	358860	25.0	22.3	
105 4-Chlorotoluene	91	10.283	10.283	0.000	98	352644	25.0	22.7	
106 tert-Butylbenzene	134	10.569	10.569	0.000	92	87630	25.0	23.7	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	97	363089	25.0	22.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	460483	25.0	23.5	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	99	233662	25.0	24.8	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	426401	25.0	24.2	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	95	234112	25.0	24.0	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	333036	25.0	23.5	
116 1,2-Dichlorobenzene	146	11.342	11.342	0.000	98	218815	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	86	20187	25.0	21.8	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	136005	25.0	26.9	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	96	82472	25.0	30.8	
121 Naphthalene	128	12.960	12.960	0.000	97	337162	25.0	23.1	
122 1,2,3-Trichlorobenzene	180	13.161	13.161	0.000	97	129973	25.0	27.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00058	Amount Added: 12.50	Units: uL	
GAS CORP mix_00123	Amount Added: 12.50	Units: uL	
N 8260 IS_00007	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added: 1.00	Units: uL	Run Reagent

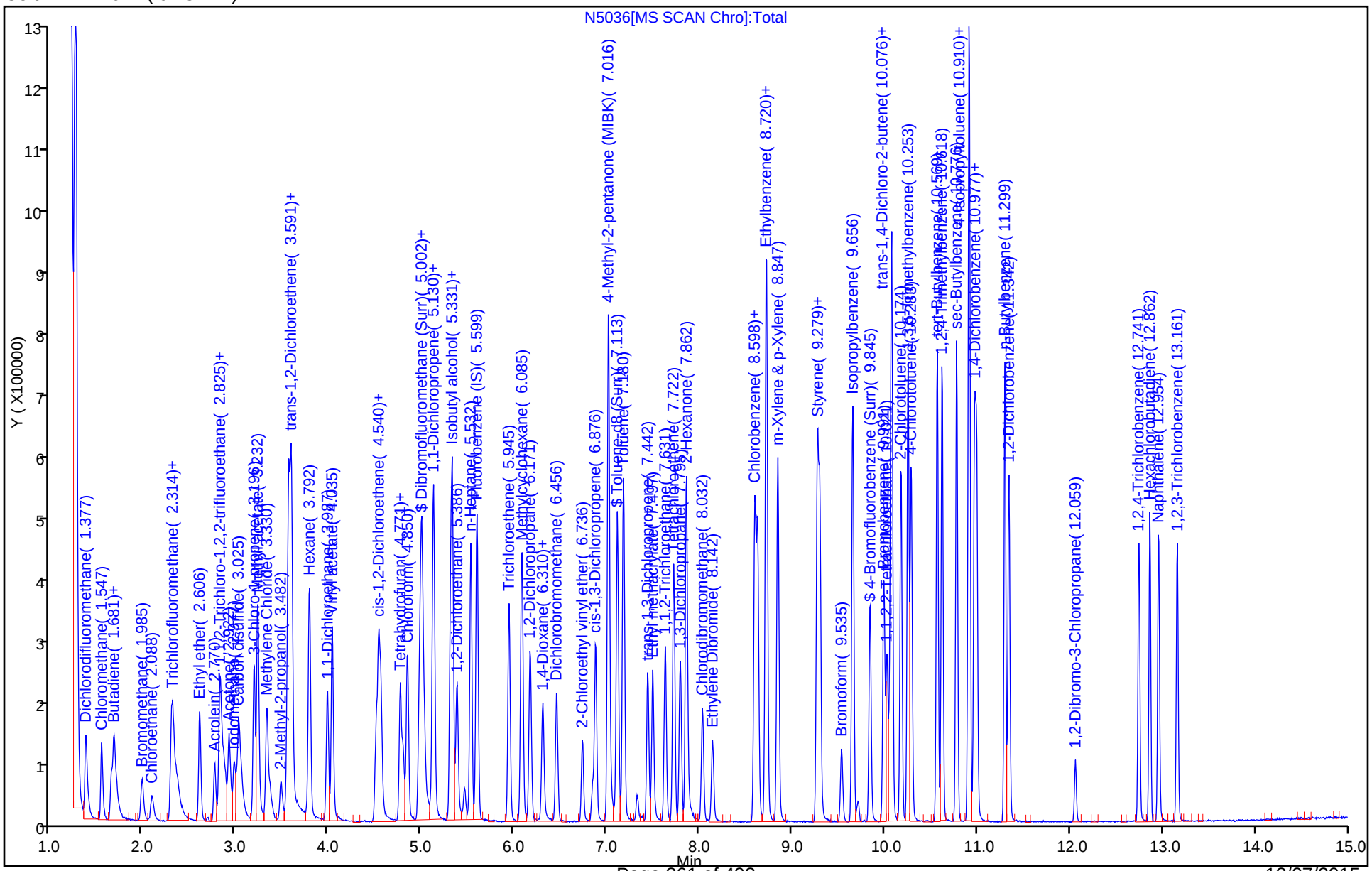
Report Date: 30-Nov-2015 13:29:19 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5036.D

Injection Date:	30-Nov-2015 10:25:30	Instrument ID:	HP5973N	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

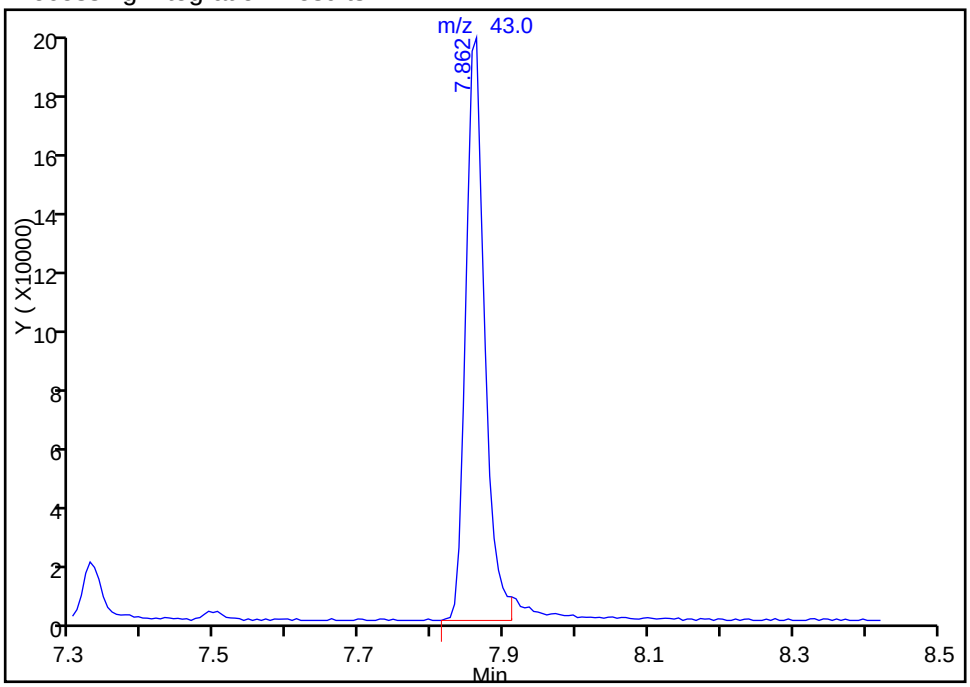
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5036.D
Injection Date: 30-Nov-2015 10:25:30 Instrument ID: HP5973N
Lims ID: CCVIS
Client ID:
Operator ID: gtg ALS Bottle#: 31 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

82 2-Hexanone, CAS: 591-78-6

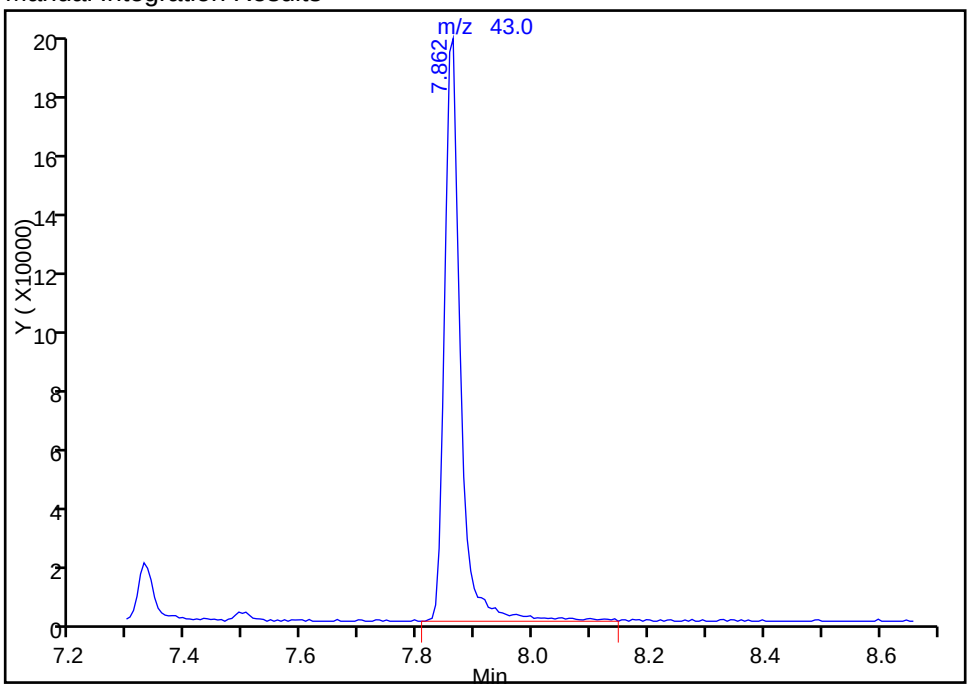
Processing Integration Results

RT: 7.86
Area: 354351
Amount: 102.3785
Amount Units: ug/L



Manual Integration Results

RT: 7.86
Area: 376742
Amount: 108.8476
Amount Units: ug/L



Reviewer: goliszekg, 30-Nov-2015 13:29:18
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277493/7 Calibration Date: 11/30/2015 21:26

Instrument ID: HP5973N Calib Start Date: 11/09/2015 17:26

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/09/2015 20:32

Lab File ID: N5061.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.360	1.193	0.1000	21.9	25.0	-12.3	50.0
Chloromethane	Ave	1.625	1.174	0.1000	18.1	25.0	-27.7*	20.0
Vinyl chloride	Ave	1.435	0.9444	0.1000	16.5	25.0	-34.2*	20.0
Butadiene	Ave	1.476	0.8626		14.6	25.0	-41.6*	20.0
Bromomethane	Ave	0.7068	0.5735	0.1000	20.3	25.0	-18.9	50.0
Chloroethane	Ave	0.8473	0.4991	0.1000	14.7	25.0	-41.1	50.0
Dichlorofluoromethane	Ave	1.849	1.545		20.9	25.0	-16.4	20.0
Trichlorofluoromethane	Ave	1.548	1.445	0.1000	23.3	25.0	-6.6	20.0
Ethyl ether	Ave	1.426	1.282		22.5	25.0	-10.1	20.0
Acrolein	Ave	0.2894	0.2282		98.6	125	-21.1	50.0
1,1-Dichloroethene	Ave	1.179	1.155	0.1000	24.5	25.0	-2.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.997	0.9407	0.1000	23.6	25.0	-5.7	20.0
Acetone	Ave	0.4407	0.3897	0.1000	111	125	-11.6	50.0
Iodomethane	Ave	1.822	2.139		29.3	25.0	17.4	20.0
Carbon disulfide	Ave	3.597	3.244	0.1000	22.5	25.0	-9.8	20.0
Allyl chloride	Ave	2.479	1.913		19.3	25.0	-22.8*	20.0
Methyl acetate	Ave	1.473	1.138	0.1000	96.6	125	-22.7	50.0
Methylene Chloride	Lin1		1.351	0.1000	27.9	25.0	11.8	20.0
2-Methyl-2-propanol	Ave	0.0953	0.0987		259	250	3.6	50.0
Methyl tert-butyl ether	Ave	4.068	3.977	0.1000	24.4	25.0	-2.2	20.0
trans-1,2-Dichloroethene	Ave	1.271	1.293	0.1000	25.4	25.0	1.7	20.0
Acrylonitrile	Ave	0.6236	0.5478		220	250	-12.1	20.0
Hexane	Ave	2.192	1.721		19.6	25.0	-21.5*	20.0
1,1-Dichloroethane	Ave	2.398	2.240	0.2000	23.3	25.0	-6.6	20.0
Vinyl acetate	Ave	3.034	2.648		43.6	50.0	-12.7	20.0
2,2-Dichloropropane	Ave	1.018	1.151		28.3	25.0	13.1	20.0
cis-1,2-Dichloroethene	Ave	1.349	1.391	0.1000	25.8	25.0	3.1	20.0
2-Butanone (MEK)	Ave	0.8073	0.6352	0.1000	98.3	125	-21.3*	20.0
Chlorobromomethane	Ave	0.6609	0.7583		28.7	25.0	14.7	20.0
Tetrahydrofuran	Ave	0.5688	0.4554		40.0	50.0	-19.9	20.0
Chloroform	Ave	2.192	2.284	0.2000	26.1	25.0	4.2	20.0
1,1,1-Trichloroethane	Ave	1.634	1.751	0.1000	26.8	25.0	7.2	20.0
Cyclohexane	Ave	2.095	1.682	0.1000	20.1	25.0	-19.7	20.0
Carbon tetrachloride	Ave	1.391	1.545	0.1000	27.8	25.0	11.0	20.0
1,1-Dichloropropene	Ave	1.633	1.606		24.6	25.0	-1.7	20.0
Isobutyl alcohol	Ave	0.0666	0.0520		488	625	-22.0	50.0
Benzene	Ave	4.973	4.599	0.5000	23.1	25.0	-7.5	20.0
1,2-Dichloroethane	Ave	1.980	1.948	0.1000	24.6	25.0	-1.6	20.0
n-Heptane	Ave	2.387	1.810		19.0	25.0	-24.2*	20.0
Trichloroethene	Ave	1.251	1.243	0.2000	24.8	25.0	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277493/7 Calibration Date: 11/30/2015 21:26

Instrument ID: HP5973N Calib Start Date: 11/09/2015 17:26

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/09/2015 20:32

Lab File ID: N5061.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.093	1.988	0.1000	23.7	25.0	-5.0	20.0
1,2-Dichloropropane	Ave	1.184	1.091	0.1000	23.0	25.0	-7.8	20.0
Dibromomethane	Ave	0.7191	0.7463	0.1000	25.9	25.0	3.8	20.0
1,4-Dioxane	Lin1		0.0031		487	500	-2.6	50.0
Bromodichloromethane	Ave	1.399	1.611	0.2000	28.8	25.0	15.1	20.0
2-Chloroethyl vinyl ether	Ave	0.7662	0.6769		22.1	25.0	-11.7	20.0
cis-1,3-Dichloropropene	Ave	1.692	1.757	0.2000	26.0	25.0	3.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1700	0.1374	0.1000	101	125	-19.2	20.0
Toluene	Ave	0.8834	0.7724	0.4000	21.9	25.0	-12.6	20.0
trans-1,3-Dichloropropene	Ave	0.4280	0.4015	0.1000	23.5	25.0	-6.2	20.0
Ethyl methacrylate	Ave	0.4176	0.3671		22.0	25.0	-12.1	20.0
1,1,2-Trichloroethane	Ave	0.2506	0.2278	0.1000	22.7	25.0	-9.1	20.0
Tetrachloroethene	Ave	0.3990	0.3917	0.2000	24.5	25.0	-1.8	20.0
1,3-Dichloropropane	Ave	0.5270	0.4550		21.6	25.0	-13.7	20.0
2-Hexanone	Ave	0.3049	0.2241	0.1000	91.9	125	-26.5*	20.0
Dibromochloromethane	Ave	0.2616	0.3202	0.1000	30.6	25.0	22.4*	20.0
1,2-Dibromoethane	Ave	0.3051	0.3003		24.6	25.0	-1.6	20.0
Chlorobenzene	Ave	0.9500	0.8927	0.5000	23.5	25.0	-6.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3034	0.3321		27.4	25.0	9.5	20.0
Ethylbenzene	Ave	1.554	1.394	0.1000	22.4	25.0	-10.3	20.0
m,p-Xylene	Ave	0.6304	0.5624	0.1000	22.3	25.0	-10.8	20.0
o-Xylene	Ave	0.6371	0.5768	0.3000	22.6	25.0	-9.5	20.0
Styrene	Ave	0.9753	0.9061	0.3000	23.2	25.0	-7.1	20.0
Bromoform	Ave	0.1417	0.1961	0.1000	34.6	25.0	38.4	50.0
Isopropylbenzene	Ave	3.045	2.763	0.1000	22.7	25.0	-9.2	20.0
Bromobenzene	Ave	0.7870	0.8049		25.6	25.0	2.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8112	0.6911	0.3000	21.3	25.0	-14.8	20.0
1,2,3-Trichloropropane	Ave	0.2816	0.2565		22.8	25.0	-8.9	20.0
N-Propylbenzene	Ave	3.401	3.080		22.6	25.0	-9.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2822	0.2233		19.8	25.0	-20.9	50.0
2-Chlorotoluene	Ave	0.7219	0.7006		24.3	25.0	-3.0	20.0
1,3,5-Trimethylbenzene	Ave	2.508	2.343		23.4	25.0	-6.6	20.0
4-Chlorotoluene	Ave	2.421	2.011		20.8	25.0	-16.9	20.0
tert-Butylbenzene	Ave	0.5769	0.5608		24.3	25.0	-2.8	20.0
1,2,4-Trimethylbenzene	Ave	2.498	2.352		23.5	25.0	-5.8	20.0
sec-Butylbenzene	Ave	3.061	2.823		23.1	25.0	-7.8	20.0
1,3-Dichlorobenzene	Ave	1.474	1.444	0.6000	24.5	25.0	-2.0	20.0
4-Isopropyltoluene	Ave	2.747	2.649		24.1	25.0	-3.6	20.0
1,4-Dichlorobenzene	Ave	1.523	1.464	0.5000	24.0	25.0	-3.9	20.0
n-Butylbenzene	Ave	2.216	2.045		23.1	25.0	-7.7	20.0
1,2-Dichlorobenzene	Ave	1.394	1.386	0.4000	24.8	25.0	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277493/7 Calibration Date: 11/30/2015 21:26

Instrument ID: HP5973N Calib Start Date: 11/09/2015 17:26

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 11/09/2015 20:32

Lab File ID: N5061.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.1216	0.0500	21.1	25.0	-15.7	50.0
1,2,4-Trichlorobenzene	Ave	0.7905	0.8660	0.2000	27.4	25.0	9.6	20.0
Hexachlorobutadiene	Ave	0.4183	0.4876		29.1	25.0	16.6	20.0
Naphthalene	Ave	2.283	2.137		23.4	25.0	-6.4	20.0
1,2,3-Trichlorobenzene	Ave	0.7472	0.7675		25.7	25.0	2.7	20.0
Dibromofluoromethane (Surr)	Ave	1.020	1.177		28.9	25.0	15.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.394	1.449		26.0	25.0	4.0	20.0
Toluene-d8 (Surr)	Ave	1.183	1.104		23.3	25.0	-6.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3586	0.3726		26.0	25.0	3.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5061.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Nov-2015 21:26:30 ALS Bottle#: 56 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0048811-004
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Dec-2015 07:59:23 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: o'briens Date: 30-Nov-2015 21:46:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	99	96182	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	366060	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	94	188898	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	4.996	0.000	90	113232	25.0	28.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	139413	25.0	26.0	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	404019	25.0	23.3	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	95	136390	25.0	26.0	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	99	114729	25.0	21.9	
13 Chloromethane	50	1.535	1.535	0.000	100	112964	25.0	18.1	
14 Vinyl chloride	62	1.644	1.644	0.000	98	90832	25.0	16.5	
144 Butadiene	54	1.681	1.681	0.000	92	82969	25.0	14.6	
15 Bromomethane	94	1.979	1.979	0.000	92	55159	25.0	20.3	
16 Chloroethane	64	2.088	2.088	0.000	99	48007	25.0	14.7	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	97	148579	25.0	20.9	
18 Trichlorofluoromethane	101	2.319	2.319	0.000	95	139029	25.0	23.3	
19 Ethyl ether	59	2.599	2.599	0.000	93	123320	25.0	22.5	
20 Acrolein	56	2.758	2.758	0.000	99	109736	125.0	98.6	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	98	111078	25.0	24.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.843	2.843	0.000	87	90482	25.0	23.6	
23 Acetone	43	2.922	2.922	0.000	100	187399	125.0	110.5	
24 Iodomethane	142	2.970	2.970	0.000	98	205740	25.0	29.3	
25 Carbon disulfide	76	3.019	3.019	0.000	100	312041	25.0	22.5	
27 3-Chloro-1-propene	41	3.183	3.183	0.000	87	184031	25.0	19.3	
28 Methyl acetate	43	3.226	3.226	0.000	98	547346	125.0	96.6	
30 Methylene Chloride	84	3.323	3.323	0.000	93	129976	25.0	27.9	
31 2-Methyl-2-propanol	59	3.481	3.481	0.000	95	94924	250.0	258.9	
32 Methyl tert-butyl ether	73	3.554	3.554	0.000	98	382504	25.0	24.4	
33 trans-1,2-Dichloroethene	96	3.567	3.567	0.000	98	124319	25.0	25.4	
34 Acrylonitrile	53	3.591	3.591	0.000	98	526907	250.0	219.6	
35 Hexane	57	3.786	3.786	0.000	94	165552	25.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	215416	25.0	23.3	
39 Vinyl acetate	43	4.029	4.029	0.000	98	509415	50.0	43.6	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	91	110663	25.0	28.3	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	78	133750	25.0	25.8	
44 2-Butanone (MEK)	43	4.558	4.558	0.000	100	305449	125.0	98.3	
47 Chlorobromomethane	128	4.771	4.771	0.000	92	72936	25.0	28.7	
49 Tetrahydrofuran	42	4.796	4.796	0.000	86	87610	50.0	40.0	
50 Chloroform	83	4.844	4.844	0.000	94	219698	25.0	26.1	
51 1,1,1-Trichloroethane	97	4.972	4.972	0.000	98	168415	25.0	26.8	
52 Cyclohexane	56	5.002	5.002	0.000	93	161775	25.0	20.1	
53 Carbon tetrachloride	117	5.124	5.124	0.000	97	148557	25.0	27.8	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	92	154434	25.0	24.6	
56 Isobutyl alcohol	43	5.313	5.313	0.000	62	125017	625.0	487.7	
55 Benzene	78	5.331	5.331	0.000	98	442378	25.0	23.1	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	98	187337	25.0	24.6	
59 n-Heptane	43	5.532	5.532	0.000	95	174116	25.0	19.0	
60 Trichloroethene	95	5.945	5.945	0.000	96	119556	25.0	24.8	
62 Methylcyclohexane	83	6.079	6.079	0.000	90	191180	25.0	23.7	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	89	104972	25.0	23.0	
64 Dibromomethane	93	6.304	6.304	0.000	90	71782	25.0	25.9	
66 1,4-Dioxane	88	6.316	6.316	0.000	33	22860	500.0	487.0	
67 Dichlorobromomethane	83	6.456	6.456	0.000	99	154910	25.0	28.8	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	95	65107	25.0	22.1	
71 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	92	169023	25.0	26.0	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	96	251386	125.0	101.0	
73 Toluene	92	7.180	7.180	0.000	99	282744	25.0	21.9	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	96	146980	25.0	23.5	
77 Ethyl methacrylate	69	7.497	7.497	0.000	90	134374	25.0	22.0	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	92	83378	25.0	22.7	
79 Tetrachloroethene	166	7.722	7.722	0.000	98	143384	25.0	24.5	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	95	166553	25.0	21.6	
82 2-Hexanone	43	7.856	7.856	0.000	96	410176	125.0	91.9	
83 Chlorodibromomethane	129	8.032	8.032	0.000	90	117212	25.0	30.6	
84 Ethylene Dibromide	107	8.141	8.141	0.000	98	109911	25.0	24.6	
85 Chlorobenzene	112	8.628	8.628	0.000	95	326768	25.0	23.5	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.719	0.000	93	121556	25.0	27.4	
88 Ethylbenzene	91	8.726	8.726	0.000	98	510352	25.0	22.4	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	205867	25.0	22.3	
91 o-Xylene	106	9.273	9.273	0.000	96	211126	25.0	22.6	
92 Styrene	104	9.297	9.297	0.000	95	331671	25.0	23.2	
93 Bromoform	173	9.535	9.535	0.000	97	71768	25.0	34.6	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	522016	25.0	22.7	
97 Bromobenzene	156	9.991	9.991	0.000	89	152035	25.0	25.6	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	96	130554	25.0	21.3	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	89	48452	25.0	22.8	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	68	42173	25.0	19.8	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	581839	25.0	22.6	
102 2-Chlorotoluene	126	10.179	10.179	0.000	97	132337	25.0	24.3	
104 1,3,5-Trimethylbenzene	105	10.252	10.252	0.000	95	442567	25.0	23.4	
105 4-Chlorotoluene	91	10.289	10.289	0.000	96	379879	25.0	20.8	
106 tert-Butylbenzene	134	10.569	10.569	0.000	92	105927	25.0	24.3	
108 1,2,4-Trimethylbenzene	105	10.624	10.624	0.000	97	444222	25.0	23.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	533209	25.0	23.1	
110 1,3-Dichlorobenzene	146	10.903	10.903	0.000	98	272698	25.0	24.5	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	500430	25.0	24.1	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	96	276534	25.0	24.0	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	386307	25.0	23.1	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	98	261730	25.0	24.8	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	79	22966	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	163587	25.0	27.4	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	96	92107	25.0	29.1	
121 Naphthalene	128	12.960	12.960	0.000	97	403663	25.0	23.4	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	95	144979	25.0	25.7	

Reagents:

8260 CORP mix_00059	Amount Added: 12.50	Units: uL	
GAS CORP mix_00123	Amount Added: 12.50	Units: uL	
N 8260 IS_00007	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added: 1.00	Units: uL	Run Reagent

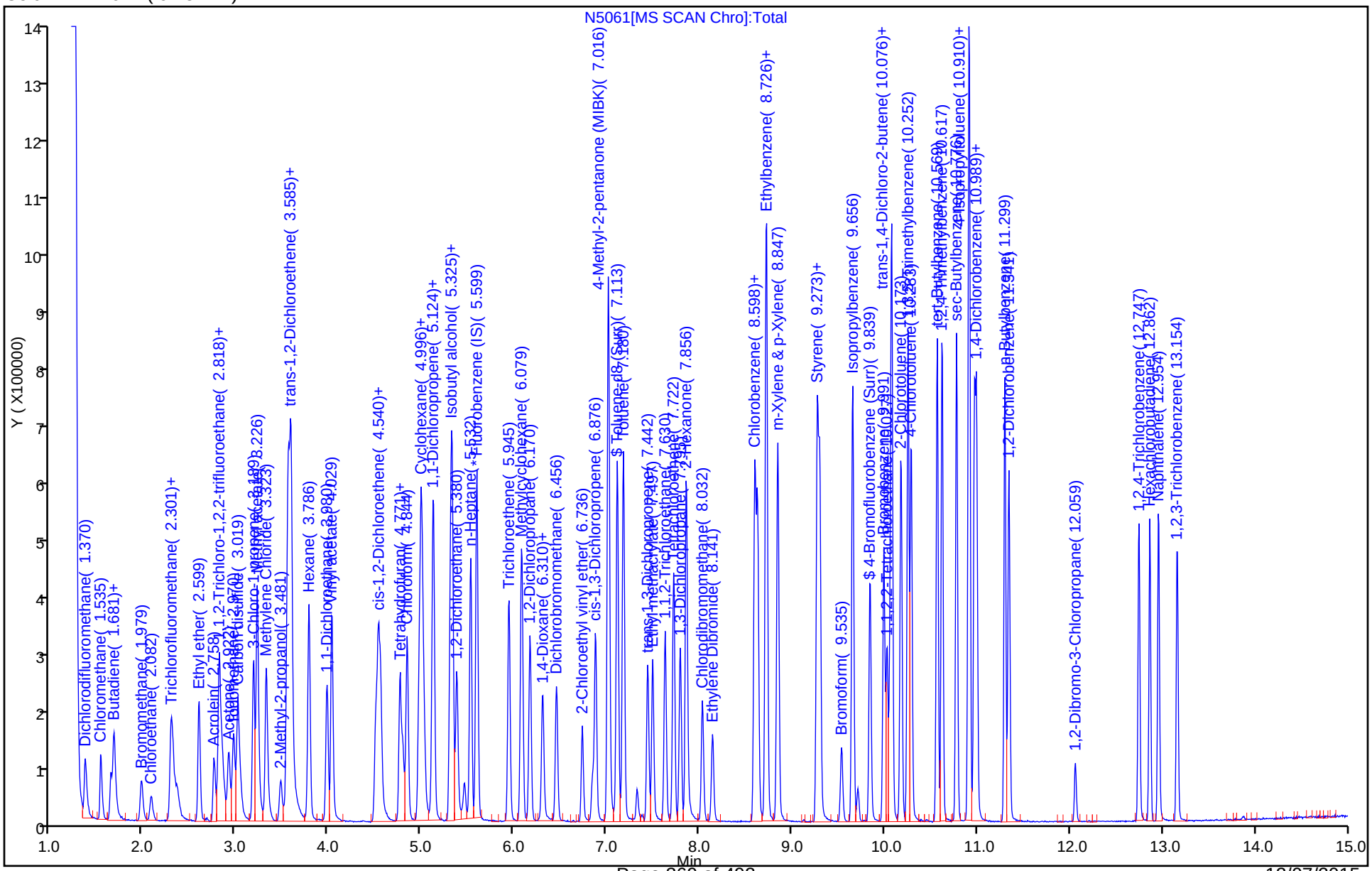
Report Date: 01-Dec-2015 07:59:25 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5061.D

Injection Date:	30-Nov-2015 21:26:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	CCVIS			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277335/3 Calibration Date: 11/30/2015 10:24

Instrument ID: HP5975T Calib Start Date: 10/20/2015 15:37

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/20/2015 17:59

Lab File ID: T2456.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.764	1.938	0.1000	27.5	25.0	9.8	50.0
Chloromethane	Ave	2.259	2.302	0.1000	25.5	25.0	1.9	20.0
Butadiene	Ave	1.901	1.859		24.5	25.0	-2.2	20.0
Vinyl chloride	Ave	1.848	2.026	0.1000	27.4	25.0	9.7	20.0
Bromomethane	Lin1		0.9347	0.1000	25.1	25.0	0.6	50.0
Chloroethane	Ave	0.8452	0.8276	0.1000	24.5	25.0	-2.1	50.0
Dichlorofluoromethane	Lin1		2.684		30.9	25.0	23.4*	20.0
Trichlorofluoromethane	Ave	2.062	2.514	0.1000	30.5	25.0	21.9*	20.0
Ethyl ether	Ave	1.163	1.192		25.6	25.0	2.5	20.0
Acrolein	Lin1		0.2153		184	125	47.1	50.0
1,1-Dichloroethene	Ave	1.506	1.474	0.1000	24.5	25.0	-2.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.533	1.559	0.1000	25.4	25.0	1.7	20.0
Acetone	Lin1		0.4519	0.1000	143	125	14.3	50.0
Iodomethane	Ave	2.820	2.539		22.5	25.0	-10.0	20.0
Carbon disulfide	Ave	5.162	4.733	0.1000	22.9	25.0	-8.3	20.0
Allyl chloride	Ave	3.058	2.753		22.5	25.0	-10.0	20.0
Methyl acetate	Ave	1.206	1.195	0.1000	124	125	-0.9	50.0
Methylene Chloride	Lin1		1.669	0.1000	25.4	25.0	1.6	20.0
2-Methyl-2-propanol	Ave	0.1311	0.1403		268	250	7.0	50.0
trans-1,2-Dichloroethene	Ave	1.694	1.576	0.1000	23.3	25.0	-7.0	20.0
Methyl tert-butyl ether	Ave	4.142	4.032	0.1000	24.3	25.0	-2.7	20.0
Acrylonitrile	Ave	0.5406	0.5420		251	250	0.3	20.0
Hexane	Lin1		2.483		26.5	25.0	6.2	20.0
1,1-Dichloroethane	Ave	2.822	2.806	0.2000	24.9	25.0	-0.6	20.0
Vinyl acetate	Ave	3.491	3.638		52.1	50.0	4.2	20.0
2,2-Dichloropropane	Ave	2.258	2.274		25.2	25.0	0.7	20.0
cis-1,2-Dichloroethene	Ave	1.911	1.734	0.1000	22.7	25.0	-9.3	20.0
2-Butanone (MEK)	Ave	0.6510	0.6683	0.1000	128	125	2.7	20.0
Chlorobromomethane	Ave	0.9214	0.8346		22.6	25.0	-9.4	20.0
Tetrahydrofuran	Ave	0.4926	0.4679		47.5	50.0	-5.0	20.0
Chloroform	Ave	2.757	2.687	0.2000	24.4	25.0	-2.5	20.0
1,1,1-Trichloroethane	Ave	2.376	2.368	0.1000	24.9	25.0	-0.3	20.0
Cyclohexane	Ave	3.107	2.826	0.1000	22.7	25.0	-9.0	20.0
Carbon tetrachloride	Ave	2.115	2.043	0.1000	24.1	25.0	-3.4	20.0
1,1-Dichloropropene	Ave	2.054	2.111		25.7	25.0	2.8	20.0
Benzene	Ave	6.130	6.068	0.5000	24.7	25.0	-1.0	20.0
Isobutyl alcohol	Ave	0.0608	0.0588		605	625	-3.2	50.0
1,2-Dichloroethane	Ave	2.053	1.982	0.1000	24.1	25.0	-3.4	20.0
n-Heptane	Ave	3.067	2.974		24.2	25.0	-3.1	20.0
Trichloroethene	Ave	1.727	1.613	0.2000	23.3	25.0	-6.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277335/3 Calibration Date: 11/30/2015 10:24

Instrument ID: HP5975T Calib Start Date: 10/20/2015 15:37

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/20/2015 17:59

Lab File ID: T2456.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.748	2.726	0.1000	24.8	25.0	-0.8	20.0
1,2-Dichloropropane	Ave	1.630	1.558	0.1000	23.9	25.0	-4.4	20.0
Dibromomethane	Ave	0.9434	0.9659	0.1000	25.6	25.0	2.4	20.0
1,4-Dioxane	Ave	0.0031	0.0041		656	500	31.2	50.0
Bromodichloromethane	Ave	2.064	1.935	0.2000	23.4	25.0	-6.3	20.0
2-Chloroethyl vinyl ether	Ave	0.999	0.9248		23.1	25.0	-7.4	20.0
cis-1,3-Dichloropropene	Ave	2.469	2.345	0.2000	23.7	25.0	-5.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4031	0.4039	0.1000	125	125	0.2	20.0
Toluene	Ave	1.000	0.9903	0.4000	24.7	25.0	-1.0	20.0
trans-1,3-Dichloropropene	Ave	0.5321	0.5194	0.1000	24.4	25.0	-2.4	20.0
Ethyl methacrylate	Ave	0.4671	0.4550		24.4	25.0	-2.6	20.0
1,1,2-Trichloroethane	Ave	0.2928	0.2974	0.1000	25.4	25.0	1.6	20.0
Tetrachloroethene	Ave	0.4339	0.4418	0.2000	25.5	25.0	1.8	20.0
1,3-Dichloropropane	Ave	0.5578	0.5844		26.2	25.0	4.8	20.0
2-Hexanone	Ave	0.2511	0.2806	0.1000	140	125	11.8	20.0
Dibromochloromethane	Ave	0.4117	0.3791	0.1000	23.0	25.0	-7.9	20.0
1,2-Dibromoethane	Ave	0.3594	0.3583		24.9	25.0	-0.3	20.0
Chlorobenzene	Ave	1.122	1.089	0.5000	24.3	25.0	-2.9	20.0
Ethylbenzene	Ave	1.883	1.910	0.1000	25.4	25.0	1.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4036	0.3878		24.0	25.0	-3.9	20.0
m,p-Xylene	Ave	0.7593	0.7338	0.1000	24.2	25.0	-3.4	20.0
o-Xylene	Ave	0.7589	0.7197	0.3000	23.7	25.0	-5.2	20.0
Styrene	Ave	1.238	1.208	0.3000	24.4	25.0	-2.4	20.0
Bromoform	Ave	0.2348	0.1936	0.1000	20.6	25.0	-17.5	50.0
Isopropylbenzene	Ave	3.603	3.615	0.1000	25.1	25.0	0.3	20.0
Bromobenzene	Ave	0.9716	0.8934		23.0	25.0	-8.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8482	0.8590	0.3000	25.3	25.0	1.3	20.0
1,2,3-Trichloropropane	Ave	0.2410	0.2573		26.7	25.0	6.7	20.0
N-Propylbenzene	Ave	4.355	4.464		25.6	25.0	2.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2829	0.2353		20.8	25.0	-16.8	50.0
2-Chlorotoluene	Ave	0.8915	0.8787		24.6	25.0	-1.4	20.0
1,3,5-Trimethylbenzene	Ave	3.109	3.046		24.5	25.0	-2.0	20.0
4-Chlorotoluene	Ave	2.977	3.030		25.4	25.0	1.8	20.0
tert-Butylbenzene	Ave	0.6787	0.6539		24.1	25.0	-3.7	20.0
1,2,4-Trimethylbenzene	Ave	3.210	3.119		24.3	25.0	-2.8	20.0
sec-Butylbenzene	Ave	4.094	4.056		24.8	25.0	-0.9	20.0
1,3-Dichlorobenzene	Ave	1.843	1.719	0.6000	23.3	25.0	-6.7	20.0
4-Isopropyltoluene	Ave	3.438	3.427		24.9	25.0	-0.3	20.0
1,4-Dichlorobenzene	Ave	1.848	1.777	0.5000	24.0	25.0	-3.8	20.0
n-Butylbenzene	Ave	3.128	3.313		26.5	25.0	5.9	20.0
1,2-Dichlorobenzene	Ave	1.780	1.688	0.4000	23.7	25.0	-5.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Lab Sample ID: CCVIS 480-277335/3 Calibration Date: 11/30/2015 10:24

Instrument ID: HP5975T Calib Start Date: 10/20/2015 15:37

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/20/2015 17:59

Lab File ID: T2456.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1352	0.1313	0.0500	24.3	25.0	-2.9	50.0
1,2,4-Trichlorobenzene	Ave	1.251	1.238	0.2000	24.7	25.0	-1.1	20.0
Hexachlorobutadiene	Ave	0.5456	0.5948		27.3	25.0	9.0	20.0
Naphthalene	Ave	2.999	2.720		22.7	25.0	-9.3	20.0
1,2,3-Trichlorobenzene	Ave	1.220	1.161		23.8	25.0	-4.9	20.0
Dibromofluoromethane (Surr)	Ave	1.382	1.363		24.6	25.0	-1.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.389	1.446		26.0	25.0	4.1	20.0
Toluene-d8 (Surr)	Ave	1.272	1.257		24.7	25.0	-1.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4066	0.4005		24.6	25.0	-1.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2456.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Nov-2015 10:24:30 ALS Bottle#: 36 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0048781-003
Operator ID: gtg Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 11:37:44 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: goliszekg Date: 30-Nov-2015 11:37:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.346	4.346	0.000	99	126404	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	87	482811	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	94	254367	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.890	0.000	93	172234	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.128	0.000	0	182738	25.0	26.0	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	606818	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	89	193384	25.0	24.6	
11 Dichlorodifluoromethane	85	0.999	0.999	0.000	100	244930	25.0	27.5	
13 Chloromethane	50	1.092	1.092	0.000	99	290984	25.0	25.5	
151 Butadiene	54	1.185	1.185	0.000	98	235045	25.0	24.5	
14 Vinyl chloride	62	1.185	1.185	0.000	87	256113	25.0	27.4	
15 Bromomethane	94	1.392	1.392	0.000	91	118147	25.0	25.1	
16 Chloroethane	64	1.444	1.444	0.000	96	104606	25.0	24.5	
18 Dichlorofluoromethane	67	1.641	1.641	0.000	99	339320	25.0	30.9	
17 Trichlorofluoromethane	101	1.652	1.652	0.000	97	317768	25.0	30.5	
19 Ethyl ether	59	1.848	1.848	0.000	96	150694	25.0	25.6	
21 Acrolein	56	2.014	2.014	0.000	98	136064	125.0	183.8	
22 1,1-Dichloroethene	96	2.035	2.035	0.000	99	186379	25.0	24.5	
20 1,1,2-Trichloro-1,2,2-trif	101	2.056	2.056	0.000	94	197102	25.0	25.4	
23 Acetone	43	2.159	2.159	0.000	98	285590	125.0	142.9	
24 Iodomethane	142	2.170	2.170	0.000	100	320898	25.0	22.5	
25 Carbon disulfide	76	2.190	2.190	0.000	100	598246	25.0	22.9	
27 3-Chloro-1-propene	41	2.356	2.356	0.000	89	347988	25.0	22.5	
28 Methyl acetate	43	2.408	2.408	0.000	99	755287	125.0	123.9	
30 Methylene Chloride	84	2.491	2.491	0.000	96	210971	25.0	25.4	
31 2-Methyl-2-propanol	59	2.677	2.677	0.000	43	177313	250.0	267.5	
32 trans-1,2-Dichloroethene	96	2.677	2.677	0.000	99	199188	25.0	23.3	
33 Methyl tert-butyl ether	73	2.688	2.688	0.000	99	509632	25.0	24.3	
34 Acrylonitrile	53	2.740	2.740	0.000	97	685051	250.0	250.6	
35 Hexane	57	2.843	2.843	0.000	96	313856	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.040	3.040	0.000	97	354672	25.0	24.9	
39 Vinyl acetate	43	3.092	3.092	0.000	97	919736	50.0	52.1	
42 2,2-Dichloropropane	77	3.475	3.475	0.000	94	287487	25.0	25.2	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.000	84	219126	25.0	22.7	
44 2-Butanone (MEK)	43	3.548	3.548	0.000	99	422361	125.0	128.3	
47 Chlorobromomethane	128	3.693	3.693	0.000	96	105499	25.0	22.6	
48 Tetrahydrofuran	42	3.714	3.714	0.000	94	118286	50.0	47.5	
50 Chloroform	83	3.755	3.755	0.000	95	339655	25.0	24.4	
52 Cyclohexane	56	3.848	3.848	0.000	94	357246	25.0	22.7	
51 1,1,1-Trichloroethane	97	3.848	3.848	0.000	91	299364	25.0	24.9	
53 Carbon tetrachloride	117	3.952	3.952	0.000	98	258212	25.0	24.1	
54 1,1-Dichloropropene	75	3.962	3.962	0.000	93	266790	25.0	25.7	
55 Benzene	78	4.128	4.128	0.000	97	766956	25.0	24.7	
56 Isobutyl alcohol	43	4.180	4.180	0.000	92	185924	625.0	605.1	
57 1,2-Dichloroethane	62	4.190	4.190	0.000	97	250571	25.0	24.1	
59 n-Heptane	43	4.273	4.273	0.000	94	375870	25.0	24.2	
60 Trichloroethene	95	4.605	4.605	0.000	98	203854	25.0	23.3	
62 Methylcyclohexane	83	4.709	4.709	0.000	95	344638	25.0	24.8	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	93	196962	25.0	23.9	
65 Dibromomethane	93	4.906	4.906	0.000	96	122090	25.0	25.6	
66 1,4-Dioxane	88	4.926	4.926	0.000	94	39619	500.0	655.8	
67 Dichlorobromomethane	83	5.030	5.030	0.000	99	244537	25.0	23.4	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	93	116892	25.0	23.1	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	93	296443	25.0	23.7	
72 4-Methyl-2-pentanone (MIBK	43	5.475	5.475	0.000	99	974989	125.0	125.3	
73 Toluene	92	5.569	5.569	0.000	98	478102	25.0	24.7	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	97	250765	25.0	24.4	
77 Ethyl methacrylate	69	5.828	5.828	0.000	93	219669	25.0	24.4	
78 1,1,2-Trichloroethane	83	5.931	5.931	0.000	93	143592	25.0	25.4	
79 Tetrachloroethene	166	5.963	5.963	0.000	97	213317	25.0	25.5	
80 1,3-Dichloropropane	76	6.045	6.045	0.000	96	282129	25.0	26.2	
81 2-Hexanone	43	6.108	6.108	0.000	99	677276	125.0	139.7	
82 Chlorodibromomethane	129	6.222	6.222	0.000	90	183027	25.0	23.0	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	172999	25.0	24.9	
86 Chlorobenzene	112	6.646	6.646	0.000	94	525867	25.0	24.3	
88 Ethylbenzene	91	6.719	6.719	0.000	99	922180	25.0	25.4	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	96	187230	25.0	24.0	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	354261	25.0	24.2	
91 o-Xylene	106	7.123	7.123	0.000	98	347480	25.0	23.7	
92 Styrene	104	7.154	7.154	0.000	96	583141	25.0	24.4	
93 Bromoform	173	7.330	7.330	0.000	94	93483	25.0	20.6	
95 Isopropylbenzene	105	7.413	7.413	0.000	96	919473	25.0	25.1	
97 Bromobenzene	156	7.672	7.672	0.000	92	227240	25.0	23.0	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	95	218506	25.0	25.3	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	89	65446	25.0	26.7	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	1135439	25.0	25.6	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	90	59863	25.0	20.8	
105 2-Chlorotoluene	126	7.818	7.818	0.000	96	223514	25.0	24.6	
104 1,3,5-Trimethylbenzene	105	7.890	7.890	0.000	95	774859	25.0	24.5	
102 4-Chlorotoluene	91	7.911	7.911	0.000	98	770765	25.0	25.4	
106 tert-Butylbenzene	134	8.139	8.139	0.000	94	166324	25.0	24.1	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	97	793480	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	1031799	25.0	24.8	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	98	437369	25.0	23.3	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	871807	25.0	24.9	
113 1,4-Dichlorobenzene	146	8.501	8.501	0.000	94	452060	25.0	24.0	
115 n-Butylbenzene	91	8.771	8.771	0.000	98	842804	25.0	26.5	
116 1,2-Dichlorobenzene	146	8.802	8.802	0.000	98	429359	25.0	23.7	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	79	33388	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	94	314811	25.0	24.7	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	98	151302	25.0	27.3	
121 Naphthalene	128	10.325	10.325	0.000	97	691840	25.0	22.7	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	96	295196	25.0	23.8	

Reagents:

8260 CORP mix_00059	Amount Added: 12.50	Units: uL	
GAS CORP mix_00123	Amount Added: 12.50	Units: uL	
T_8260_Surr_00116	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00117	Amount Added: 1.00	Units: uL	Run Reagent

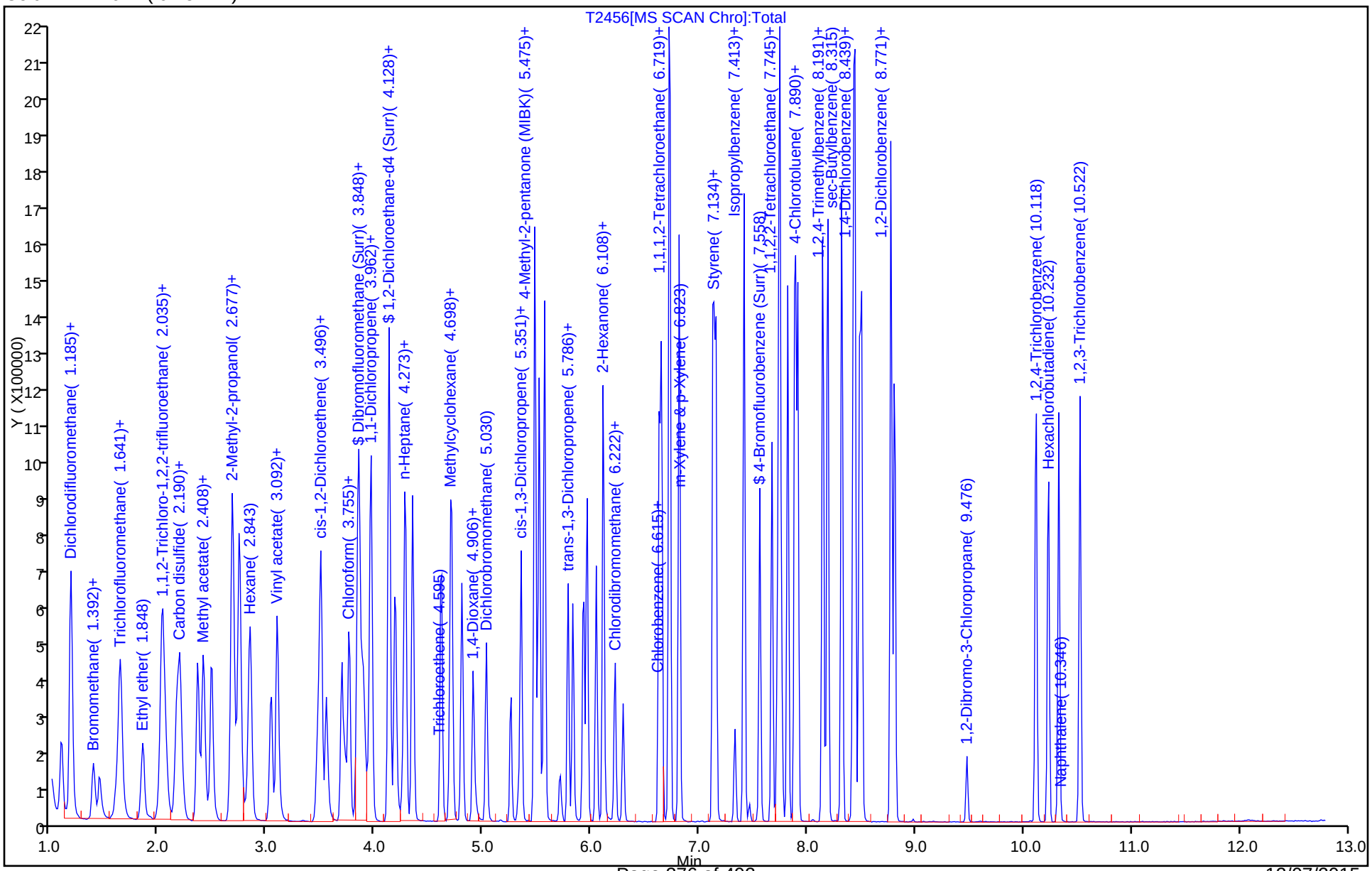
Report Date: 30-Nov-2015 11:37:45 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2456.D

Injection Date:	30-Nov-2015 10:24:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	36
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2486.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	19-Nov-2015 03:01:30	ALS Bottle#:	5	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0048486-002				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	19-Nov-2015 13:23:11	Calib Date:	19-Nov-2015 10:49:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				
First Level Reviewer: diasn		Date:	19-Nov-2015 03:12:43		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.540	5.540	0.000	0	75669	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

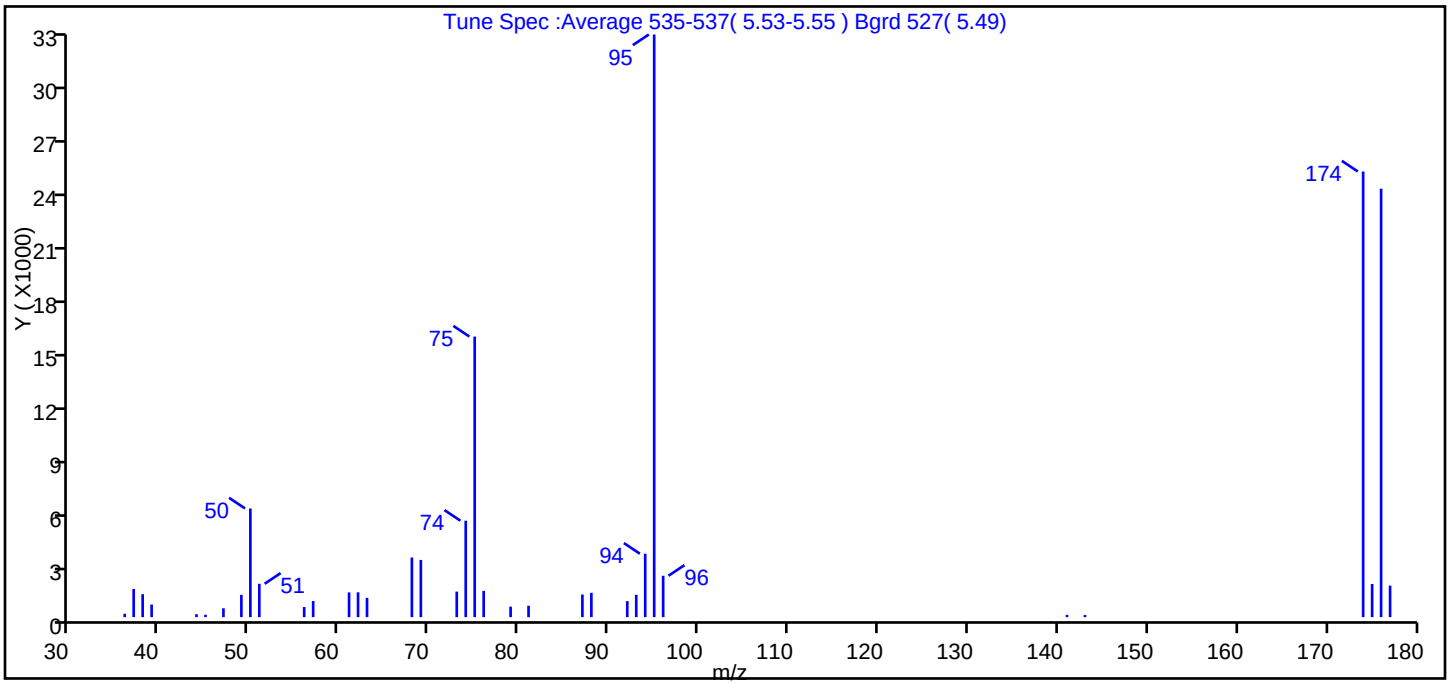
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2486.D
Injection Date: 19-Nov-2015 03:01:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 5 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.7
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.5
175	5 to 9% of m/z 174	5.7 (7.4)
176	Greater than 95% but less than 101% of m/z 174	73.5 (96.1)
177	5 to 9% of m/z 176	5.4 (7.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2486.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 19-Nov-2015 03:01:30
Spectrum: Tune Spec :Average 535-537(5.53-5.55) Bgrd 527(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	187	51.00	1847	74.00	5337	94.00	3510
37.00	1559	56.00	560	75.00	15528	95.00	32248
38.00	1271	57.00	892	76.00	1451	96.00	2290
39.00	697	61.00	1369	79.00	581	141.00	126
44.00	162	62.00	1375	81.00	633	143.00	117
45.00	133	63.00	1067	87.00	1252	174.00	24664
47.00	492	68.00	3301	88.00	1346	175.00	1833
49.00	1233	69.00	3166	92.00	886	176.00	23712
50.00	6015	73.00	1413	93.00	1236	177.00	1746

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2826.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Nov-2015 07:03:30 ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048735-003
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 07:17:45 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: cwiklinc Date: 27-Nov-2015 07:17:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.540	5.540	0.000	0	51072	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

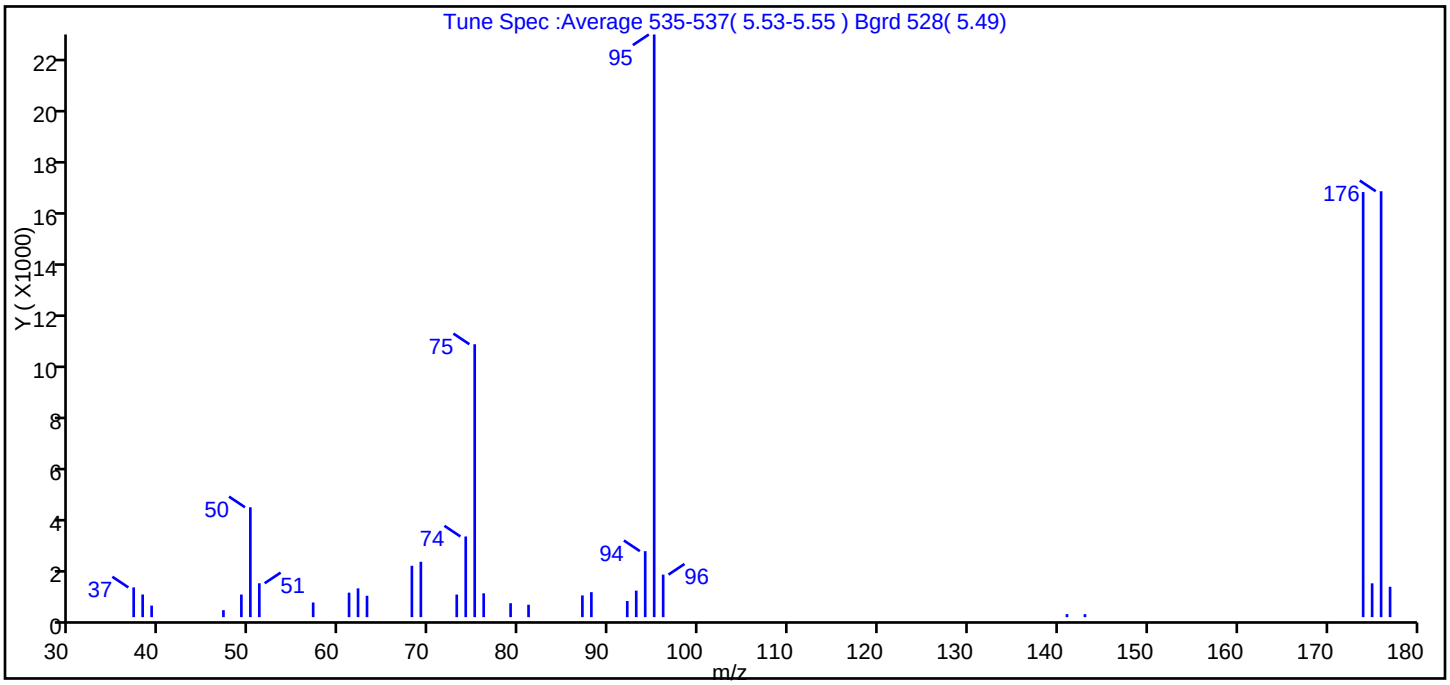
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2826.D
Injection Date: 27-Nov-2015 07:03:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.9
75	30 to 60% of m/z 95	46.8
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	73.0
175	5 to 9% of m/z 174	5.8 (8.0)
176	Greater than 95% but less than 101% of m/z 174	73.1 (100.2)
177	5 to 9% of m/z 176	5.2 (7.1)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2826.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 27-Nov-2015 07:03:30
Spectrum: Tune Spec :Average 535-537(5.53-5.55) Bgrd 528(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1168	61.00	962	76.00	937	95.00	22896
38.00	889	62.00	1131	79.00	548	96.00	1671
39.00	454	63.00	840	81.00	487	141.00	119
47.00	275	68.00	2018	87.00	854	143.00	117
49.00	888	69.00	2176	88.00	981	174.00	16704
50.00	4317	73.00	888	92.00	633	175.00	1329
51.00	1331	74.00	3170	93.00	1041	176.00	16736
57.00	575	75.00	10724	94.00	2593	177.00	1194

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2853.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 27-Nov-2015 19:01:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048754-002
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 19:13:45 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: diasn Date: 27-Nov-2015 19:13:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.546	5.546	0.000	0	47488	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

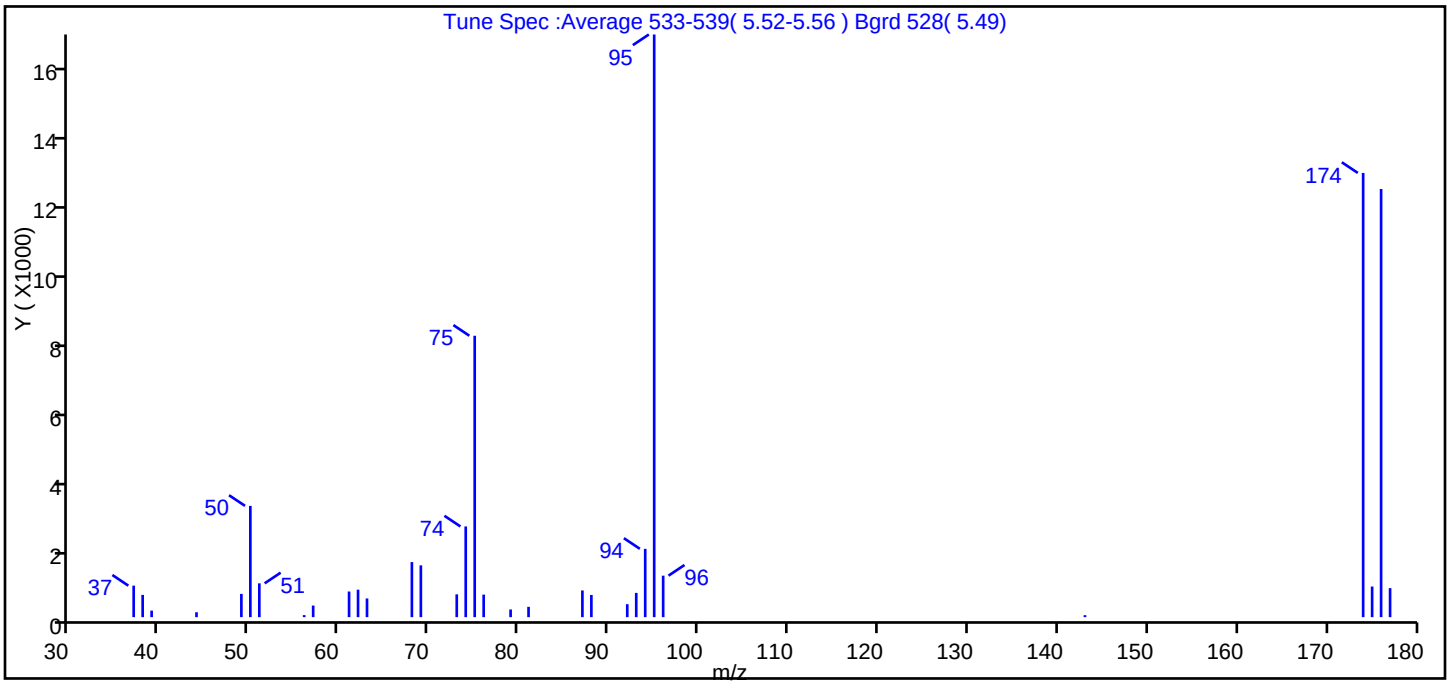
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2853.D
Injection Date: 27-Nov-2015 19:01:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	48.3
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.2
175	5 to 9% of m/z 174	5.3 (6.9)
176	Greater than 95% but less than 101% of m/z 174	73.5 (96.4)
177	5 to 9% of m/z 176	5.0 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2853.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 27-Nov-2015 19:01:30
Spectrum: Tune Spec :Average 533-539(5.52-5.56) Bgrd 528(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	866	57.00	319	75.00	7741	94.00	1879
38.00	612	61.00	705	76.00	620	95.00	16029
39.00	180	62.00	755	79.00	211	96.00	1141
44.00	135	63.00	514	81.00	283	143.00	54
49.00	640	68.00	1515	87.00	734	174.00	12220
50.00	3061	69.00	1425	88.00	610	175.00	842
51.00	930	73.00	627	92.00	357	176.00	11778
56.00	56	74.00	2495	93.00	667	177.00	798

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4025.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-Nov-2015 16:25:30 ALS Bottle#: 50 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048174-004
Operator ID: LH Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Nov-2015 11:26:57 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: HillL Date: 09-Nov-2015 16:44:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.471	4.471	0.000	87	170010	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

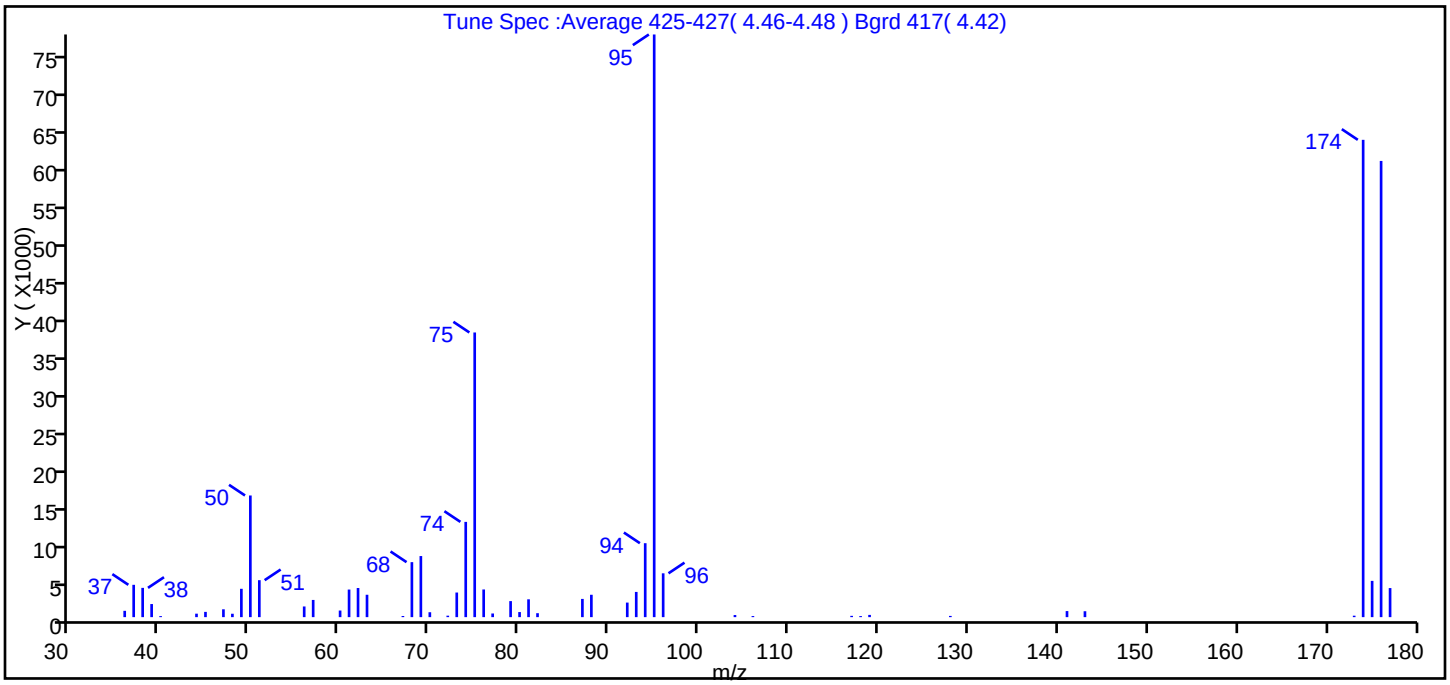
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4025.D
Injection Date: 09-Nov-2015 16:25:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 50 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.9
75	30 to 60% of m/z 95	48.9
96	5 to 9% of m/z 95	7.5
173	Less than 2% of m/z 174	0.2 (0.3)
174	50 to 120% of m/z 95	81.9
175	5 to 9% of m/z 174	6.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	78.3 (95.6)
177	5 to 9% of m/z 176	5.0 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4025.D\N-8260.rslt\spectra.d
Injection Date: 09-Nov-2015 16:25:30
Spectrum: Tune Spec :Average 425-427(4.46-4.48) Bgrd 417(4.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	845	57.00	2302	76.00	3703	104.00	281
37.00	4326	60.00	884	77.00	490	106.00	144
38.00	3917	61.00	3692	79.00	2145	117.00	174
39.00	1753	62.00	3897	80.00	679	118.00	139
40.00	137	63.00	2995	81.00	2386	119.00	300
44.00	465	67.00	152	82.00	529	128.00	164
45.00	704	68.00	7358	87.00	2439	141.00	812
47.00	1051	69.00	8174	88.00	2994	143.00	790
48.00	455	70.00	658	92.00	1948	173.00	194
49.00	3792	72.00	196	93.00	3374	174.00	63864
50.00	16278	73.00	3293	94.00	9894	175.00	4852
51.00	4945	74.00	12746	95.00	77960	176.00	61040
56.00	1428	75.00	38088	96.00	5864	177.00	3890

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5035.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Nov-2015 09:53:30 ALS Bottle#: 30 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048783-002
Operator ID: gtg Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 10:09:06 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: goliszekg Date: 30-Nov-2015 10:09:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.471	4.471	0.000	88	137298	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

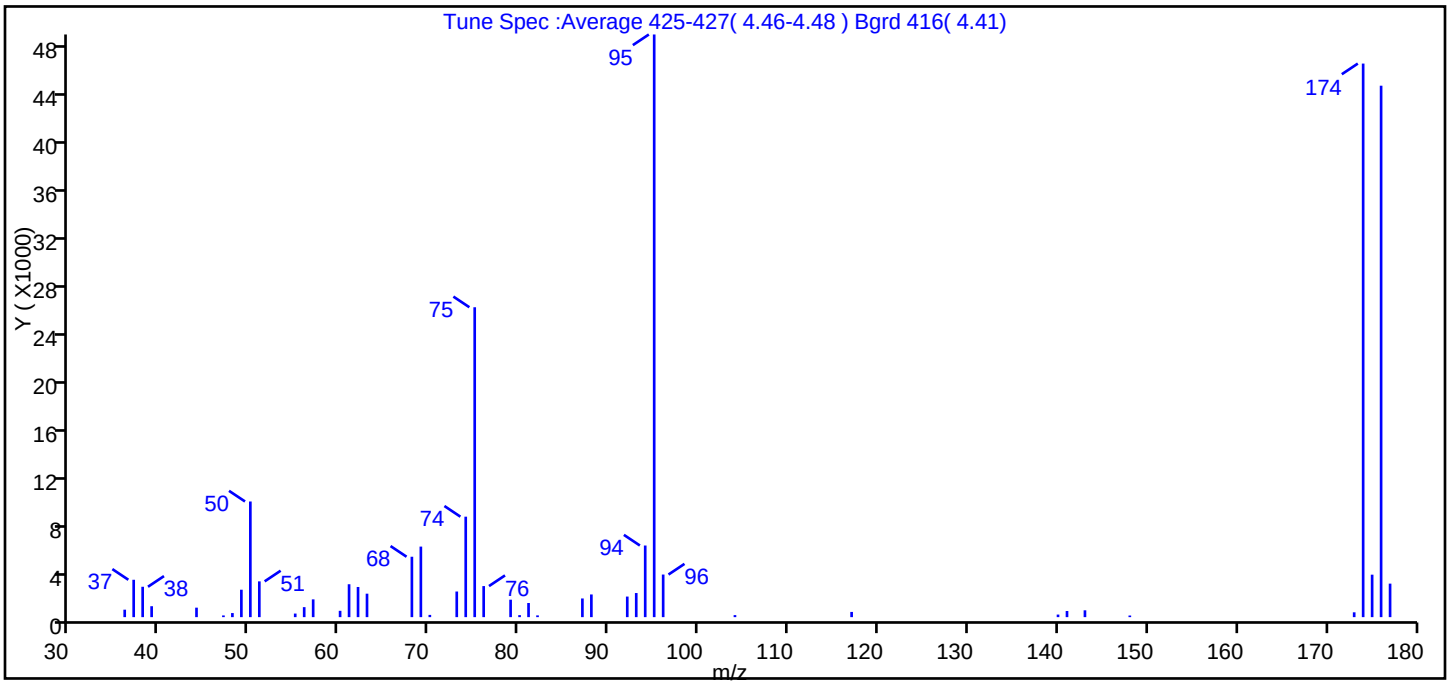
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5035.D
Injection Date: 30-Nov-2015 09:53:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 30 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.8
75	30 to 60% of m/z 95	53.2
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	95.0
175	5 to 9% of m/z 174	7.3 (7.7)
176	Greater than 95% but less than 101% of m/z 174	91.2 (96.0)
177	5 to 9% of m/z 176	5.8 (6.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48783.b\N5035.D\N-8260.rslt\spectra.d
Injection Date: 30-Nov-2015 09:53:30
Spectrum: Tune Spec :Average 425-427(4.46-4.48) Bgrd 416(4.41)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	618	57.00	1472	79.00	1444	117.00	432
37.00	3093	60.00	524	80.00	167	140.00	213
38.00	2514	61.00	2723	81.00	1170	141.00	508
39.00	905	62.00	2496	82.00	145	143.00	566
44.00	785	63.00	1942	87.00	1546	148.00	134
47.00	141	68.00	4999	88.00	1878	173.00	400
48.00	338	69.00	5839	92.00	1703	174.00	45816
49.00	2270	70.00	186	93.00	1995	175.00	3515
50.00	9572	73.00	2121	94.00	5928	176.00	43984
51.00	2961	74.00	8315	95.00	48224	177.00	2774
55.00	296	75.00	25648	96.00	3526		
56.00	828	76.00	2571	104.00	168		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5058.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Nov-2015 20:08:30 ALS Bottle#: 53 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048811-001
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Dec-2015 07:59:20 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: goliszekg Date: 01-Dec-2015 06:51:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.465	4.465	0.000	91	170107	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

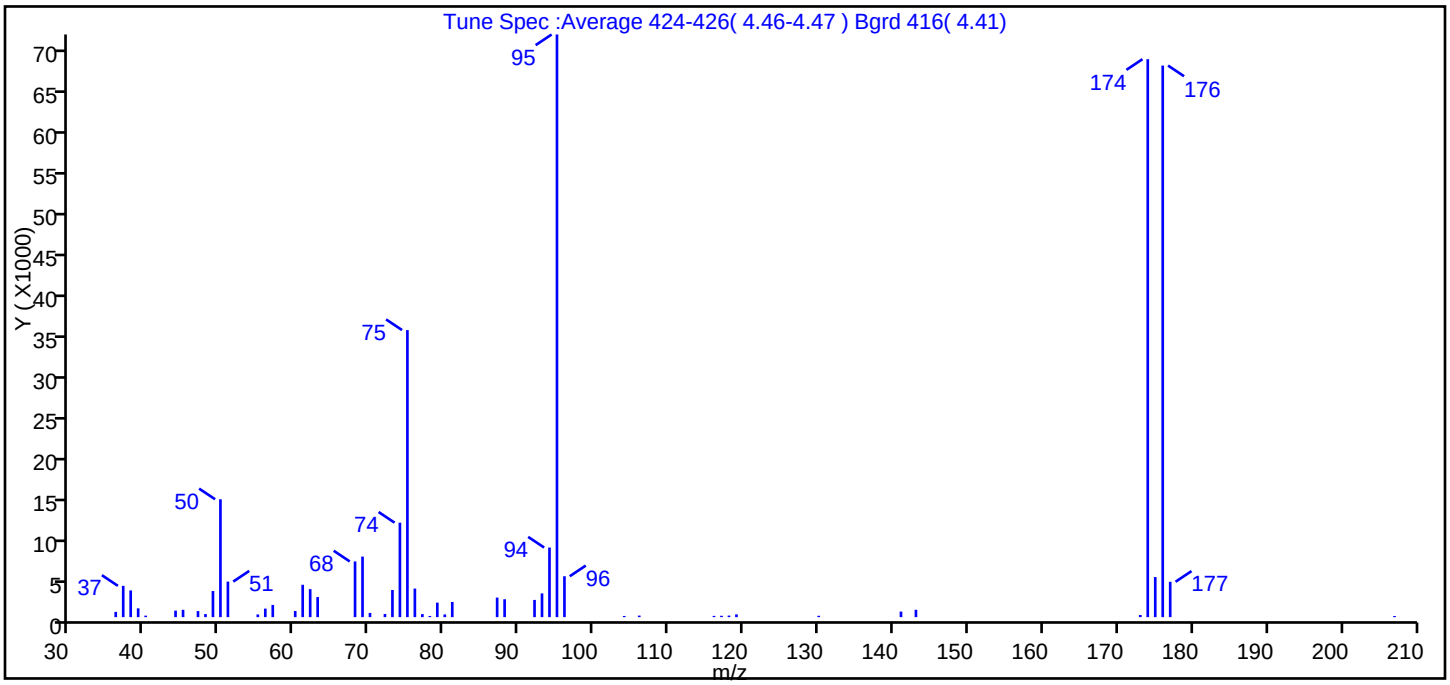
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5058.D
Injection Date: 30-Nov-2015 20:08:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 53 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.2
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	95.8
175	5 to 9% of m/z 174	6.9 (7.2)
176	Greater than 95% but less than 101% of m/z 174	94.7 (98.9)
177	5 to 9% of m/z 176	6.1 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5058.D\N-8260.rslt\spectra.d
Injection Date: 30-Nov-2015 20:08:30
Spectrum: Tune Spec :Average 424-426(4.46-4.47) Bgrd 416(4.41)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	648	57.00	1503	78.00	147	117.00	170
37.00	3848	60.00	756	79.00	1785	118.00	194
38.00	3286	61.00	3981	80.00	333	119.00	339
39.00	1082	62.00	3444	81.00	1868	130.00	168
40.00	185	63.00	2471	87.00	2405	141.00	686
44.00	802	68.00	6852	88.00	2202	143.00	907
45.00	903	69.00	7449	92.00	2119	173.00	266
47.00	747	70.00	518	93.00	2920	174.00	68616
48.00	378	72.00	383	94.00	8558	175.00	4932
49.00	3208	73.00	3336	95.00	71656	176.00	67832
50.00	14496	74.00	11617	96.00	5030	177.00	4351
51.00	4373	75.00	35304	104.00	146	207.00	141
55.00	334	76.00	3514	106.00	191		
56.00	1050	77.00	374	116.00	155		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0340.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Oct-2015 14:44:30 ALS Bottle#: 64 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0047466-004
Operator ID: gtg Instrument ID: HP5975T

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Oct-2015 12:09:57 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: goliszekg Date: 20-Oct-2015 14:59:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	4.846	4.846	0.000	90	497200	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

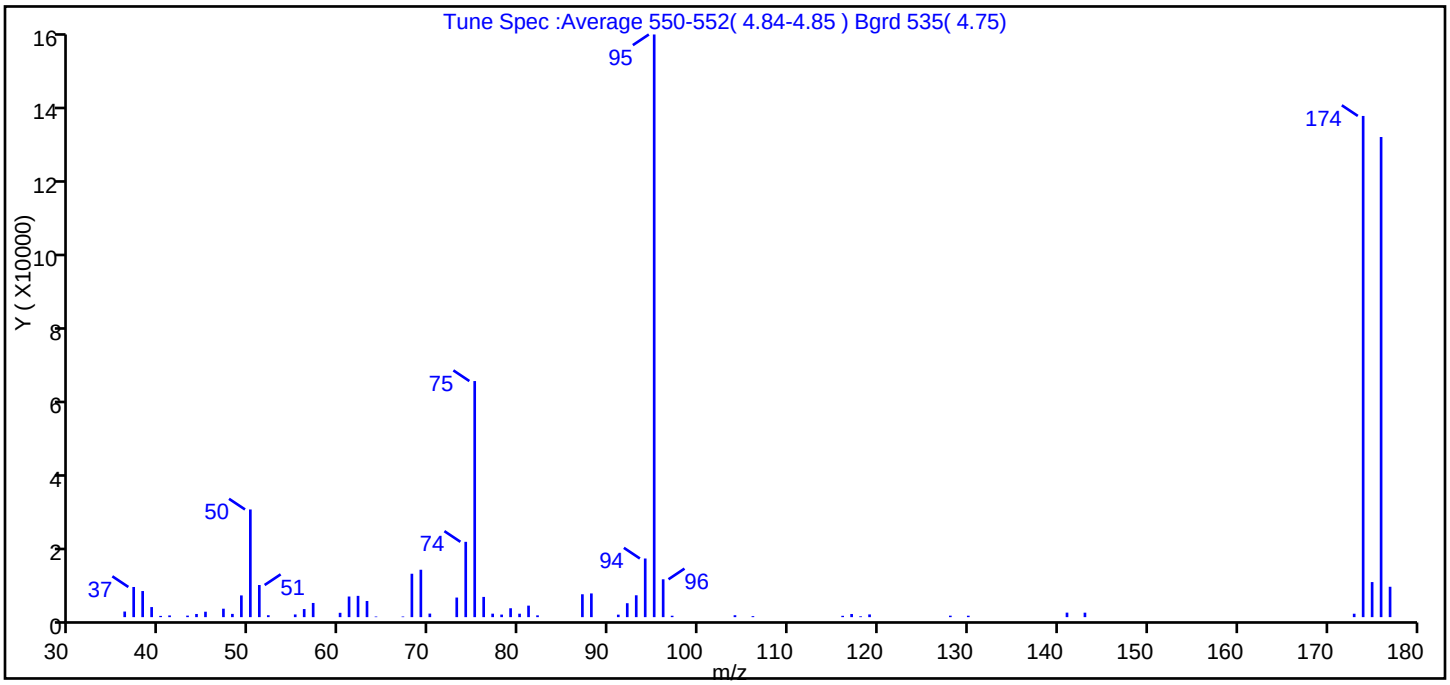
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0340.D
Injection Date: 20-Oct-2015 14:44:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 64 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	40.5
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.6 (0.7)
174	50 to 120% of m/z 95	86.0
175	5 to 9% of m/z 174	6.0 (7.0)
176	Greater than 95% but less than 101% of m/z 174	82.4 (95.8)
177	5 to 9% of m/z 176	5.2 (6.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0340.D\T-8260.rslt\spectra.d
Injection Date: 20-Oct-2015 14:44:30
Spectrum: Tune Spec :Average 550-552(4.84-4.85) Bgrd 535(4.75)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1531	56.00	2213	78.00	700	116.00	364
37.00	8246	57.00	3879	79.00	2436	117.00	863
38.00	7136	60.00	1187	80.00	940	118.00	223
39.00	2754	61.00	5640	81.00	3148	119.00	742
40.00	344	62.00	5820	82.00	488	128.00	403
41.00	468	63.00	4417	87.00	6255	130.00	391
43.00	419	64.00	169	88.00	6484	141.00	1233
44.00	867	67.00	172	91.00	682	143.00	1222
45.00	1485	68.00	11866	92.00	3810	173.00	937
47.00	2309	69.00	12961	93.00	5978	174.00	137024
48.00	890	70.00	972	94.00	16032	175.00	9587
49.00	5940	73.00	5359	95.00	159296	176.00	131264
50.00	29440	74.00	20592	96.00	10350	177.00	8306
51.00	8782	75.00	64544	97.00	386		
52.00	525	76.00	5530	104.00	524		
55.00	737	77.00	952	106.00	271		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2455.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 30-Nov-2015 09:54:30 ALS Bottle#: 35 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048781-002
Operator ID: gtg Instrument ID: HP5975T

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 11:36:36 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: goliszekg Date: 30-Nov-2015 11:36:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	4.828	4.828	0.000	88	208583	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

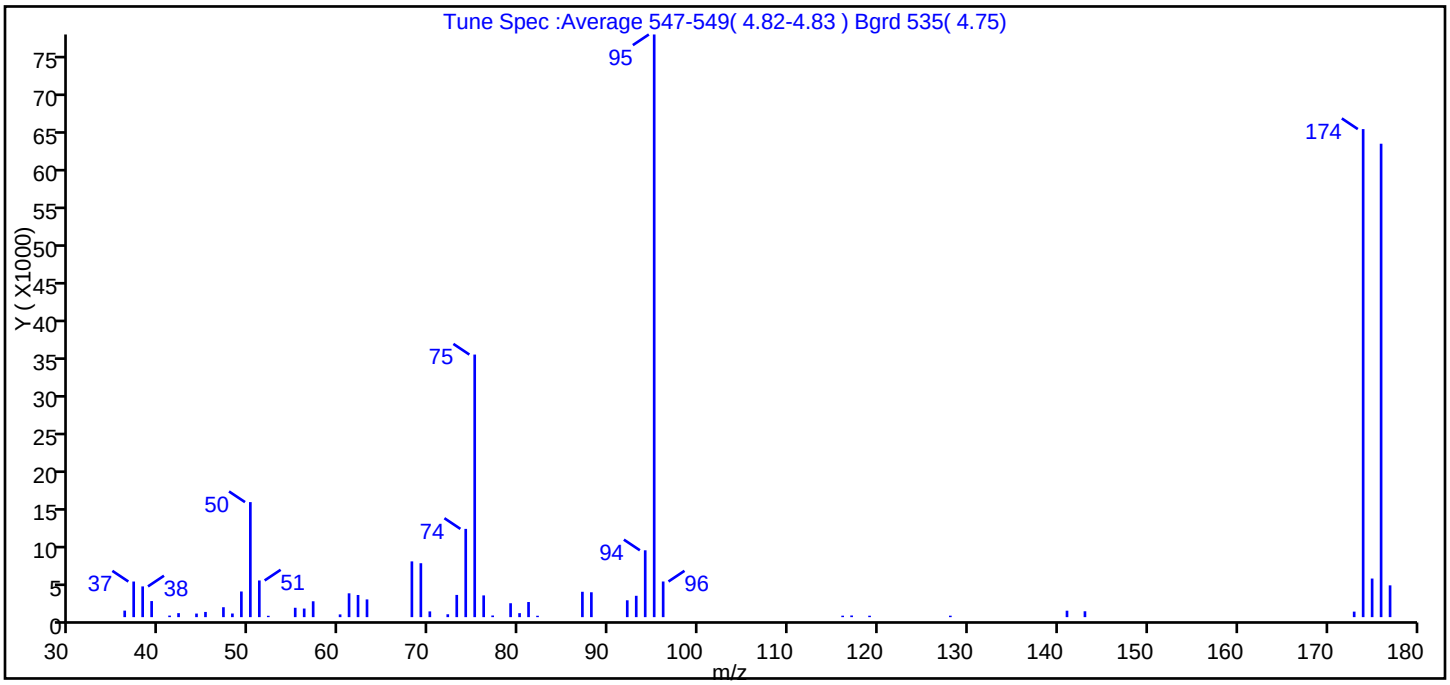
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2455.D
Injection Date: 30-Nov-2015 09:54:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 35 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.7
75	30 to 60% of m/z 95	45.1
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	83.8
175	5 to 9% of m/z 174	6.6 (7.9)
176	Greater than 95% but less than 101% of m/z 174	81.3 (97.0)
177	5 to 9% of m/z 176	5.5 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2455.D\T-8260.rslt\spectra.d
Injection Date: 30-Nov-2015 09:54:30
Spectrum: Tune Spec :Average 547-549(4.82-4.83) Bgrd 535(4.75)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	867	52.00	181	74.00	11724	95.00	77400
37.00	4731	55.00	1245	75.00	34880	96.00	4736
38.00	4083	56.00	1143	76.00	2888	116.00	194
39.00	2136	57.00	2108	77.00	218	117.00	220
41.00	208	60.00	363	79.00	1849	119.00	190
42.00	531	61.00	3165	80.00	529	128.00	194
44.00	477	62.00	2943	81.00	2009	141.00	856
45.00	692	63.00	2356	82.00	184	143.00	781
47.00	1318	68.00	7407	87.00	3370	173.00	734
48.00	484	69.00	7163	88.00	3305	174.00	64832
49.00	3408	70.00	764	92.00	2239	175.00	5127
50.00	15280	72.00	382	93.00	2836	176.00	62888
51.00	4873	73.00	2952	94.00	8879	177.00	4223

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-277064/2-A

Matrix: Solid | Lab File ID: F2831.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 11/27/2015 09:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.64
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.5
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.5
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.69
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	23.0	J	25	4.1
71-43-2	Benzene	ND		4.9	0.24
75-25-2	Bromoform	ND		4.9	2.5
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.5
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND		4.9	0.65
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
110-82-7	Cyclohexane	ND		4.9	0.69
75-27-4	Bromodichloromethane	ND		4.9	0.66
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND		4.9	0.34
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
98-82-8	Isopropylbenzene	ND		4.9	0.74
79-20-9	Methyl acetate	ND		4.9	3.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-277064/2-A

Matrix: Solid | Lab File ID: F2831.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 11/27/2015 09:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.75
75-09-2	Methylene Chloride	ND		4.9	2.3
127-18-4	Tetrachloroethene	0.880	J	4.9	0.66
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.2
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.8	0.82
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.71
100-42-5	Styrene	ND		4.9	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		64-126
460-00-4	4-Bromofluorobenzene (Surr)	85		72-126
2037-26-5	Toluene-d8 (Surr)	88		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2831.D
Lims ID: MB 480-277064/2-A
Client ID:
Sample Type: MB
Inject. Date: 27-Nov-2015 09:24:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-277064/2-A
Misc. Info.: 480-0048735-008
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 09:43:10 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: cwiklinc Date: 27-Nov-2015 11:46:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	161055	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	302836	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	268687	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.853	0.006	92	138712	50.0	42.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	88435	50.0	44.8	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	546388	50.0	44.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.416	0.006	87	142772	50.0	42.3	
10 Dichlorodifluoromethane	85		1.902					ND	
11 Chlorodifluoromethane	51		1.927					ND	
12 Chloromethane	50		2.054					ND	
13 Vinyl chloride	62		2.170					ND	
151 Butadiene	54		2.176					ND	
14 Bromomethane	94		2.456					ND	
15 Chloroethane	64		2.523					ND	
16 Dichlorofluoromethane	67		2.687					ND	
17 Trichlorofluoromethane	101		2.711					ND	
148 Ethanol	45		2.876					ND	
18 Ethyl ether	59		2.906					ND	
19 Propene oxide	58		3.003					ND	
20 Acrolein	56		3.064					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.095					ND	
22 1,1-Dichloroethene	96		3.119					ND	
23 Acetone	43	3.192	3.174	0.018	100	40387		23.5	
24 Isopropyl alcohol	45		3.265					ND	
25 Iodomethane	142		3.277					ND	
26 Carbon disulfide	76		3.332					ND	
27 Methyl acetate	43		3.393					ND	
28 3-Chloro-1-propene	41		3.399					ND	
29 Acetonitrile	40		3.435					ND	
30 Methylene Chloride	84	3.514	3.508	0.006	90	2401		0.4136	
31 2-Methyl-2-propanol	59		3.557					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
32 Methyl tert-butyl ether	73		3.654					ND	
34 trans-1,2-Dichloroethene	96		3.697					ND	
33 Acrylonitrile	53		3.709					ND	
35 Hexane	57		3.831					ND	
36 Isopropyl ether	45		3.983					ND	
134 Halothane	117		3.983					ND	
37 Vinyl acetate	43		4.007					ND	
39 1,1-Dichloroethane	63		4.026					ND	
38 1,1-Dimethoxyethane	75		4.062					ND	
40 2-Chloro-1,3-butadiene	53		4.080					ND	
41 Tert-butyl ethyl ether	59		4.263					ND	
42 Ethyl acetate	43		4.463					ND	
43 2-Butanone (MEK)	43		4.464					ND	
44 2,2-Dichloropropane	77		4.464					ND	
45 cis-1,2-Dichloroethene	96		4.476					ND	
46 Propionitrile	54		4.567					ND	
47 Methacrylonitrile	41		4.658					ND	
48 Chlorobromomethane	128		4.683					ND	
49 Tetrahydrofuran	42		4.701					ND	
50 Chloroform	83		4.713					ND	
51 1,1,1-Trichloroethane	97		4.859					ND	
52 Cyclohexane	56		4.889					ND	
54 1,1-Dichloropropene	75		4.981					ND	
55 Carbon tetrachloride	117		4.987					ND	
53 Isobutyl alcohol	43		5.041					ND	
147 t-Amyl alcohol	59		5.114					ND	
152 Isooctane	57		5.127					ND	
57 Benzene	78		5.163					ND	
56 Tert-amyl methyl ether	73		5.181					ND	
58 1,2-Dichloroethane	62		5.200					ND	
59 n-Heptane	43		5.254					ND	
1 1,4-Difluorobenzene	114		5.443					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.571					ND	
60 n-Butanol	56		5.583					ND	
62 Trichloroethene	95		5.680					ND	
137 Ethyl acrylate	55		5.753					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.753					ND	
64 Methylcyclohexane	83		5.820					ND	
65 1,2-Dichloropropane	63		5.905					ND	
63 Methyl methacrylate	41		5.917					ND	
66 1,4-Dioxane	88		6.009					ND	
67 Dibromomethane	93		6.033					ND	
68 Dichlorobromomethane	83		6.143					ND	
70 2-Nitropropane	43		6.355					ND	
69 2-Chloroethyl vinyl ether	63		6.356					ND	
71 Epichlorohydrin	57		6.471					ND	
72 cis-1,3-Dichloropropene	75		6.520					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623					ND	
74 Toluene	92		6.818					ND	
75 Ethyl methacrylate	69		7.043					ND	
77 trans-1,3-Dichloropropene	75		7.043					ND	
79 1,1,2-Trichloroethane	83		7.238					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
81 Tetrachloroethene	166	7.341	7.335	0.006	90	4334		0.8977	
82 1,3-Dichloropropane	76		7.402					ND	
80 2-Hexanone	43		7.414					ND	
155 n-Butyl acetate	43		7.493					ND	
83 Chlorodibromomethane	129		7.645					ND	
84 Ethylene Dibromide	107		7.773					ND	
146 1-Chlorohexane	55		8.120					ND	
85 3-Chlorobenzotrifluoride	180		8.126					ND	
86 4-Chlorobenzotrifluoride	180		8.181					ND	
87 Chlorobenzene	112		8.223					ND	
89 1,1,1,2-Tetrachloroethane	131		8.302					ND	
90 m-Xylene & p-Xylene	106	8.412	8.400	0.012	97	4528		0.4845	
92 Styrene	104		8.856					ND	
93 2-Chlorobenzotrifluoride	180		9.111					ND	
95 Bromoform	173		9.136					ND	
94 Isopropylbenzene	105		9.203					ND	
96 Cyclohexanone	55		9.403					ND	
97 1,1,2,2-Tetrachloroethane	83		9.580					ND	
101 Bromobenzene	156		9.586					ND	
98 trans-1,4-Dichloro-2-buten	53		9.622					ND	
99 N-Propylbenzene	91		9.628					ND	
100 1,2,3-Trichloropropane	110		9.635					ND	
103 2-Chlorotoluene	126		9.756					ND	
104 3-Chlorotoluene	126		9.811					ND	
105 4-Chlorotoluene	126		9.860					ND	
106 tert-Butylbenzene	134		10.115					ND	
107 1,2,4-Trimethylbenzene	105	10.170	10.164	0.006	90	4739		0.2741	
108 Pentachloroethane	167		10.188					ND	
109 sec-Butylbenzene	105		10.316					ND	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	10480		0.5664	
111 1,3-Dichlorobenzene	146		10.474					ND	
114 Dicyclopentadiene	66		10.553					ND	
113 1,4-Dichlorobenzene	146		10.559					ND	
112 1,2,3-Trimethylbenzene	105		10.571					ND	
150 Benzyl chloride	126		10.687					ND	
115 n-Butylbenzene	91		10.815					ND	
76 2-Methylthiophene	97		10.900					ND	
116 1,2-Dichlorobenzene	146		10.906					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.581					ND	
118 1,3,5-Trichlorobenzene	180		11.709					ND	
119 1,2,4-Trichlorobenzene	180		12.220					ND	
120 Hexachlorobutadiene	225		12.317					ND	
121 Naphthalene	128	12.445	12.445	0.000	94	8490		0.5233	
122 1,2,3-Trichlorobenzene	180		12.658					ND	
149 2-Methylnaphthalene	142	13.491	13.491	0.000	69	1831		0.2008	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 123 Total BTEX	1				0			0.4845	
S 124 Xylenes, Total	1				0			0.4845	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

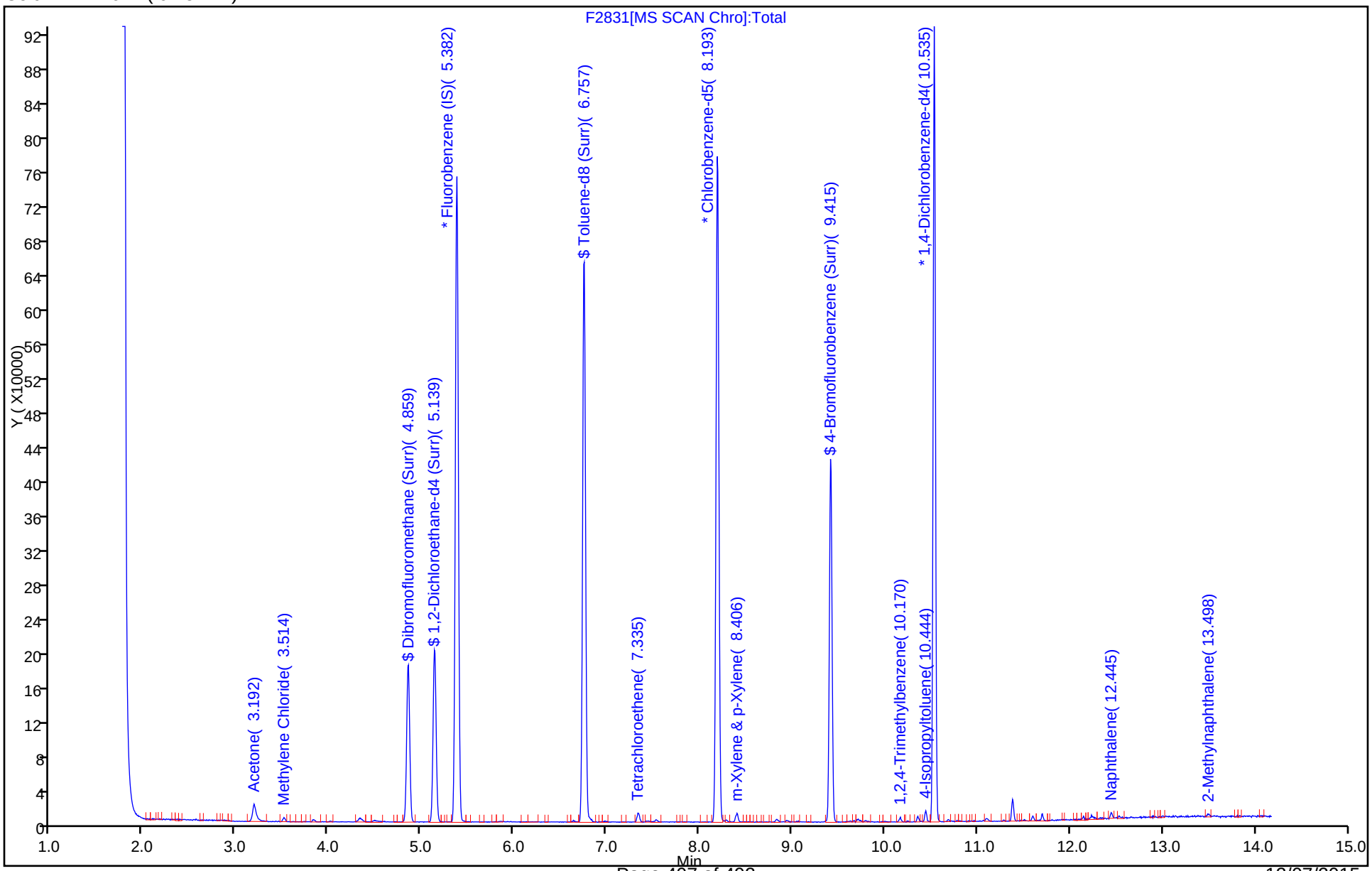
Report Date: 27-Nov-2015 11:46:12 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2831.D

Injection Date:	27-Nov-2015 09:24:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	MB 480-277064/2-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

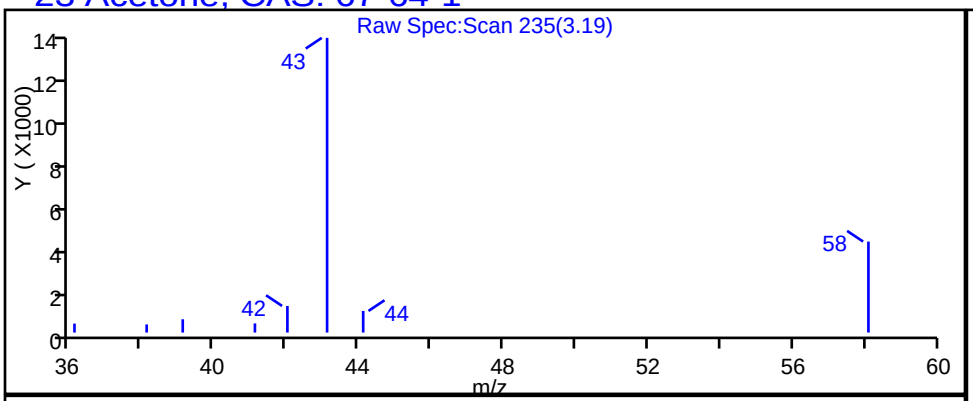
Column: ZB-624 (0.25 mm)

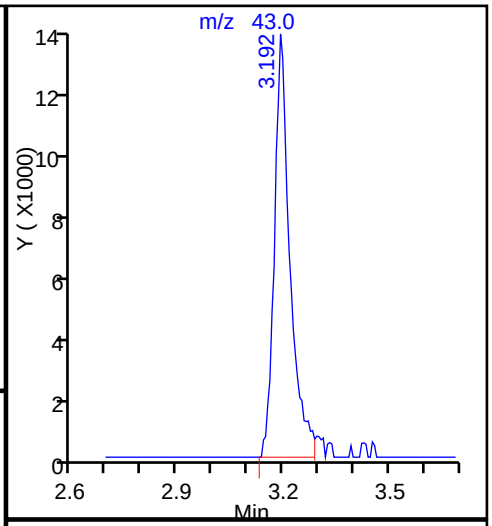


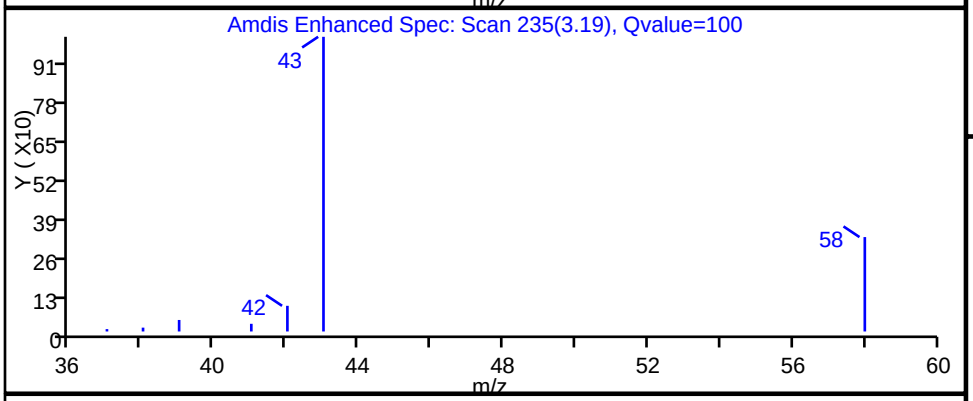
TestAmerica Buffalo

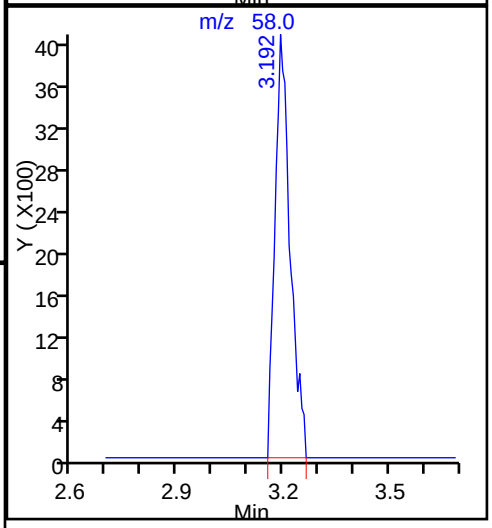
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2831.D
Injection Date: 27-Nov-2015 09:24:30 Instrument ID: HP5973F
Lims ID: MB 480-277064/2-A
Client ID:
Operator ID: CDC ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

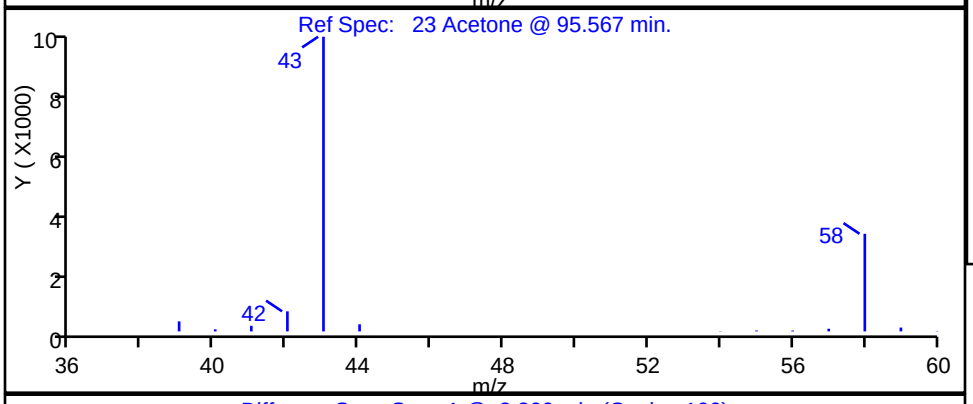
23 Acetone, CAS: 67-64-1

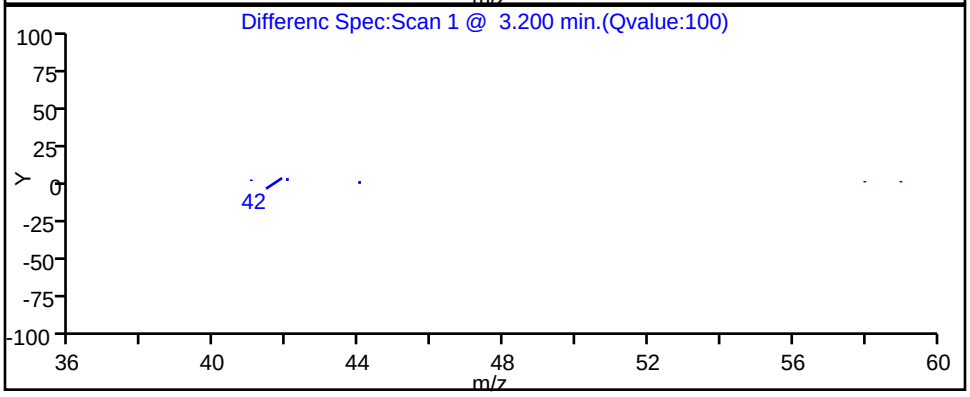






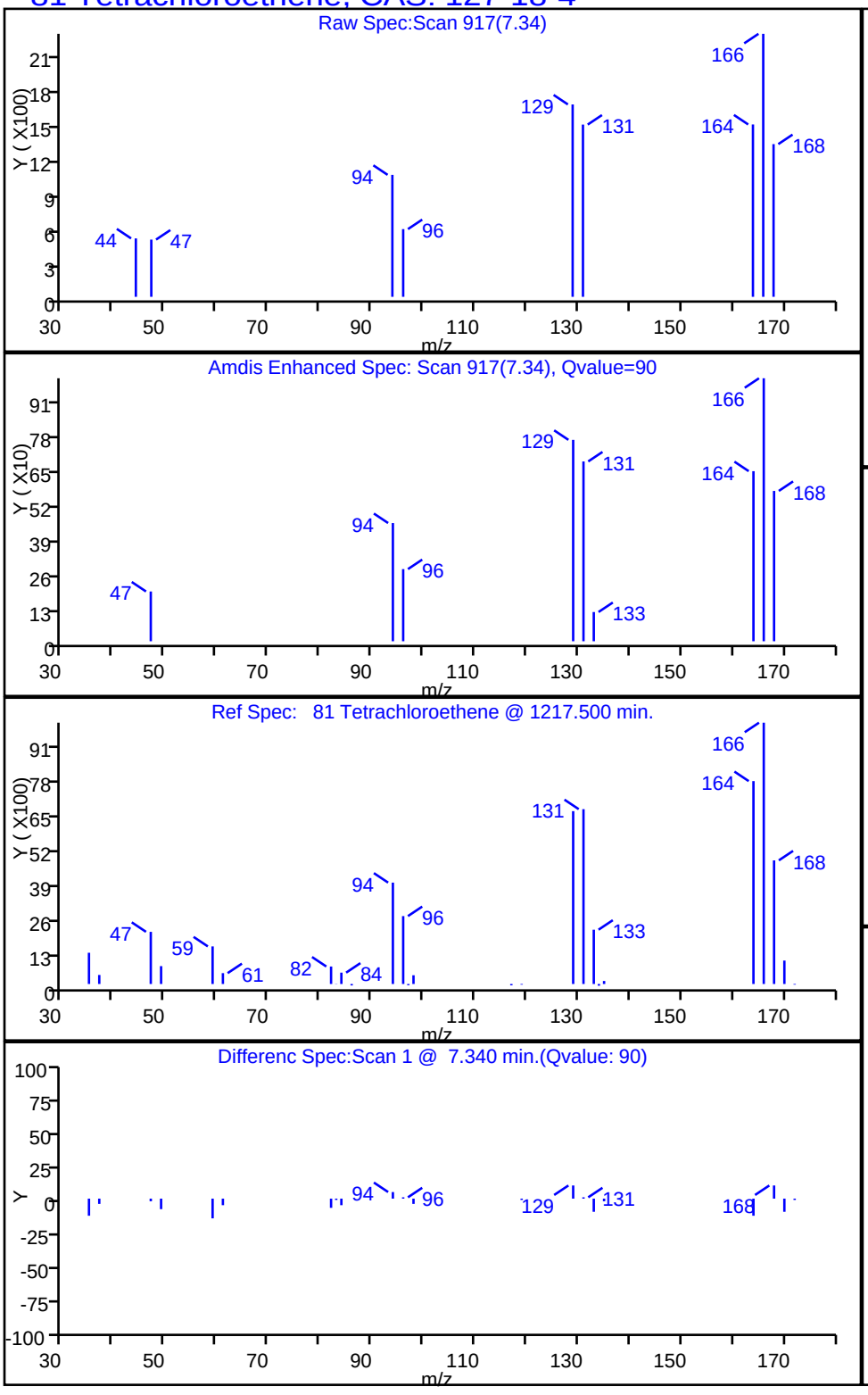


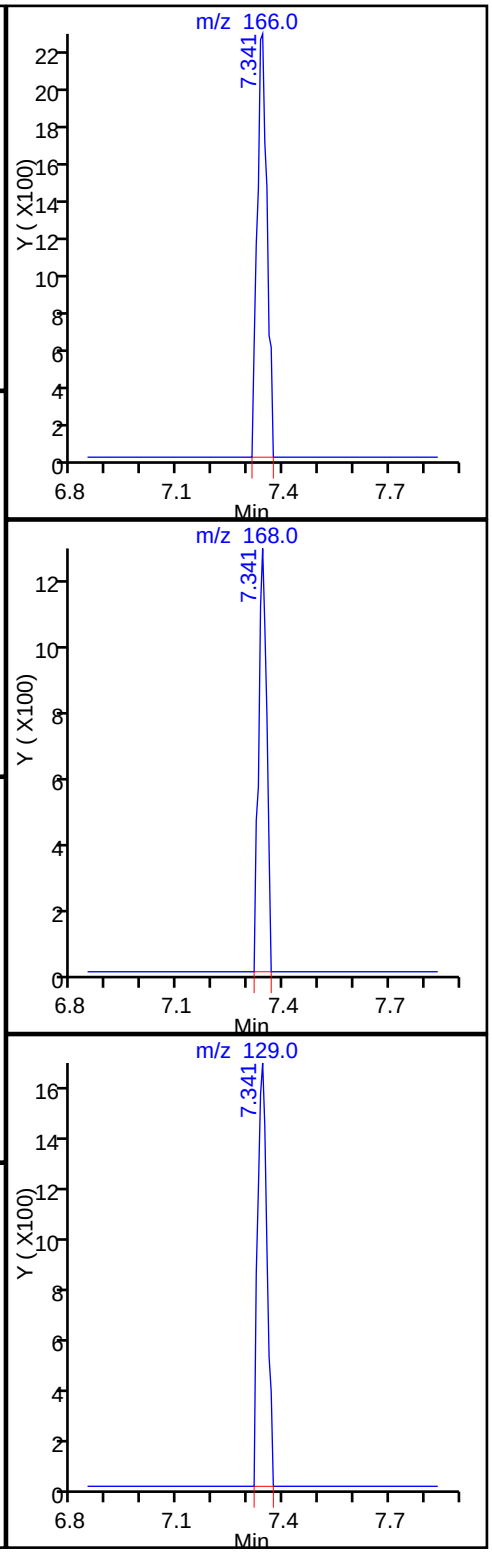




Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2831.D
Injection Date: 27-Nov-2015 09:24:30 Instrument ID: HP5973F
Lims ID: MB 480-277064/2-A
Client ID:
Operator ID: CDC ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-277152/3-A

Matrix: Solid | Lab File ID: F2859.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 11/27/2015 21:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	19.3	J	25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
110-82-7	Cyclohexane	ND		5.0	0.70
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
98-82-8	Isopropylbenzene	ND		5.0	0.75
79-20-9	Methyl acetate	ND		5.0	3.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-277152/3-A

Matrix: Solid | Lab File ID: F2859.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 11/27/2015 21:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	9.00		5.0	2.3
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
100-42-5	Styrene	ND		5.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		64-126
460-00-4	4-Bromofluorobenzene (Surr)	82		72-126
2037-26-5	Toluene-d8 (Surr)	86		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2859.D
Lims ID: MB 480-277152/3-A
Client ID:
Sample Type: MB
Inject. Date: 27-Nov-2015 21:52:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-277152/3-A
Misc. Info.: 480-0048754-008
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 22:19:03 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: diasn Date: 27-Nov-2015 22:19:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	170531	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	327892	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	278259	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	93	148219	50.0	42.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.133	0.006	0	90018	50.0	43.1	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	578455	50.0	43.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	86	149581	50.0	41.0	
10 Dichlorodifluoromethane	85		1.914					ND	
11 Chlorodifluoromethane	51		1.920					ND	
12 Chloromethane	50		2.066					ND	
13 Vinyl chloride	62		2.176					ND	
151 Butadiene	54		2.182					ND	
14 Bromomethane	94		2.462					ND	
15 Chloroethane	64		2.529					ND	
16 Dichlorofluoromethane	67		2.693					ND	
17 Trichlorofluoromethane	101		2.711					ND	
148 Ethanol	45		2.876					ND	
18 Ethyl ether	59		2.912					ND	
19 Propene oxide	58		3.003					ND	
20 Acrolein	56		3.070					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101					ND	
22 1,1-Dichloroethene	96		3.125					ND	
23 Acetone	43	3.186	3.180	0.006	100	35409		19.4	
24 Isopropyl alcohol	45		3.265					ND	
25 Iodomethane	142		3.283					ND	
26 Carbon disulfide	76		3.338					ND	
28 3-Chloro-1-propene	41		3.399					ND	
27 Methyl acetate	43		3.399					ND	
29 Acetonitrile	40		3.435					ND	
30 Methylene Chloride	84	3.508	3.508	0.000	96	55679		9.06	
31 2-Methyl-2-propanol	59		3.569					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
32 Methyl tert-butyl ether	73		3.660					ND	
34 trans-1,2-Dichloroethene	96		3.697					ND	
33 Acrylonitrile	53		3.715					ND	
35 Hexane	57	3.837	3.831	0.006	94	17977		1.84	
36 Isopropyl ether	45		3.983					ND	
134 Halothane	117		3.983					ND	
37 Vinyl acetate	43		4.013					ND	
39 1,1-Dichloroethane	63		4.031					ND	
38 1,1-Dimethoxyethane	75		4.056					ND	
40 2-Chloro-1,3-butadiene	53		4.074					ND	
41 Tert-butyl ethyl ether	59		4.263					ND	
42 Ethyl acetate	43		4.463					ND	
44 2,2-Dichloropropane	77		4.463					ND	
43 2-Butanone (MEK)	43		4.469					ND	
45 cis-1,2-Dichloroethene	96		4.476					ND	
46 Propionitrile	54		4.561					ND	
47 Methacrylonitrile	41		4.652					ND	
48 Chlorobromomethane	128		4.682					ND	
49 Tetrahydrofuran	42		4.707					ND	
50 Chloroform	83		4.719					ND	
51 1,1,1-Trichloroethane	97		4.859					ND	
52 Cyclohexane	56		4.889					ND	
54 1,1-Dichloropropene	75		4.980					ND	
55 Carbon tetrachloride	117		4.987					ND	
53 Isobutyl alcohol	43		5.047					ND	
147 t-Amyl alcohol	59		5.114					ND	
152 Isooctane	57		5.126					ND	
57 Benzene	78		5.163					ND	
56 Tert-amyl methyl ether	73		5.175					ND	
58 1,2-Dichloroethane	62		5.199					ND	
59 n-Heptane	43		5.260					ND	
1 1,4-Difluorobenzene	114		5.443					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.571					ND	
60 n-Butanol	56		5.589					ND	
62 Trichloroethene	95		5.686					ND	
137 Ethyl acrylate	55		5.710					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.753					ND	
64 Methylcyclohexane	83		5.820					ND	
65 1,2-Dichloropropane	63		5.905					ND	
63 Methyl methacrylate	41		5.917					ND	
66 1,4-Dioxane	88		6.009					ND	
67 Dibromomethane	93		6.039					ND	
68 Dichlorobromomethane	83		6.149					ND	
69 2-Chloroethyl vinyl ether	63		6.355					ND	
70 2-Nitropropane	43		6.355					ND	
71 Epichlorohydrin	57		6.471					ND	
72 cis-1,3-Dichloropropene	75		6.526					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623					ND	
74 Toluene	92		6.818					ND	
75 Ethyl methacrylate	69		7.037					ND	
77 trans-1,3-Dichloropropene	75		7.043					ND	
79 1,1,2-Trichloroethane	83		7.237					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
81 Tetrachloroethene	166	7.341	7.341	0.000	92	3296		0.6305	
82 1,3-Dichloropropane	76		7.402					ND	
80 2-Hexanone	43		7.414					ND	
155 n-Butyl acetate	43		7.493					ND	
83 Chlorodibromomethane	129		7.645					ND	
84 Ethylene Dibromide	107		7.773					ND	
146 1-Chlorohexane	55		8.120					ND	
85 3-Chlorobenzotrifluoride	180		8.126					ND	
86 4-Chlorobenzotrifluoride	180		8.180					ND	
87 Chlorobenzene	112		8.223					ND	
88 Ethylbenzene	91		8.290					ND	
89 1,1,1,2-Tetrachloroethane	131		8.302					ND	
90 m-Xylene & p-Xylene	106		8.406					ND	
91 o-Xylene	106		8.837					ND	
92 Styrene	104		8.856					ND	
93 2-Chlorobenzotrifluoride	180		9.111					ND	
95 Bromoform	173		9.129					ND	
94 Isopropylbenzene	105		9.202					ND	
96 Cyclohexanone	55		9.403					ND	
97 1,1,2,2-Tetrachloroethane	83		9.580					ND	
101 Bromobenzene	156		9.586					ND	
98 trans-1,4-Dichloro-2-buten	53		9.622					ND	
99 N-Propylbenzene	91		9.628					ND	
100 1,2,3-Trichloropropane	110		9.634					ND	
103 2-Chlorotoluene	126		9.756					ND	
102 1,3,5-Trimethylbenzene	105		9.793					ND	
104 3-Chlorotoluene	126		9.811					ND	
105 4-Chlorotoluene	126		9.859					ND	
106 tert-Butylbenzene	134		10.115					ND	
108 Pentachloroethane	167		10.188					ND	
109 sec-Butylbenzene	105		10.316					ND	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	93	6475		0.3379	
111 1,3-Dichlorobenzene	146		10.480					ND	
114 Dicyclopentadiene	66		10.553					ND	
113 1,4-Dichlorobenzene	146		10.559					ND	
112 1,2,3-Trimethylbenzene	105		10.571					ND	
150 Benzyl chloride	126		10.687					ND	
115 n-Butylbenzene	91		10.815					ND	
76 2-Methylthiophene	97		10.900					ND	
116 1,2-Dichlorobenzene	146		10.906					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.581					ND	
118 1,3,5-Trichlorobenzene	180		11.709					ND	
119 1,2,4-Trichlorobenzene	180		12.220					ND	
120 Hexachlorobutadiene	225		12.317					ND	
121 Naphthalene	128	12.445	12.445	0.000	92	7905		0.4705	
122 1,2,3-Trichlorobenzene	180		12.658					ND	
149 2-Methylnaphthalene	142	13.485	13.491	-0.006	86	3933		0.4165	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

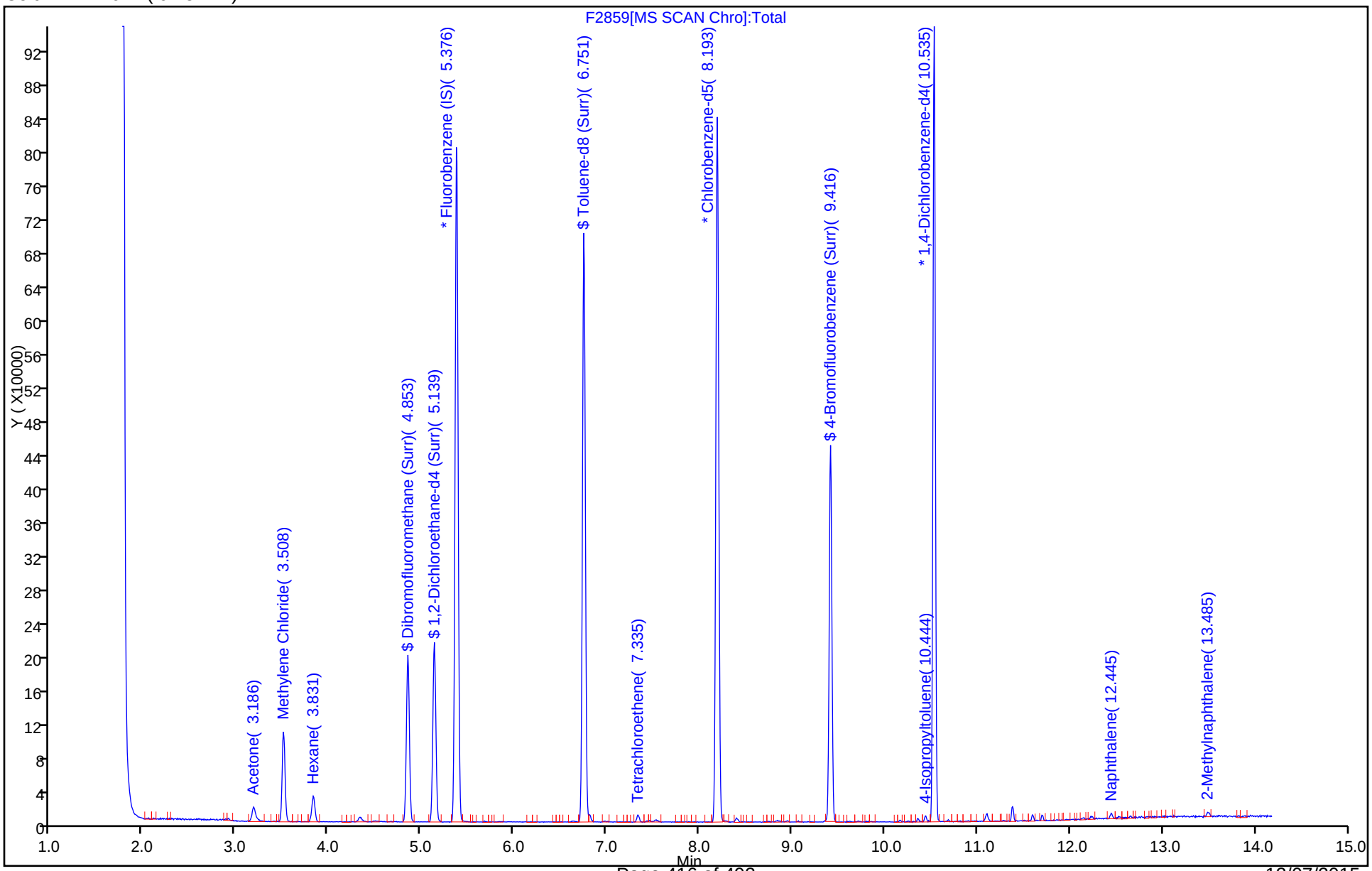
Report Date: 27-Nov-2015 22:19:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2859.D

Injection Date:	27-Nov-2015 21:52:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	MB 480-277152/3-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

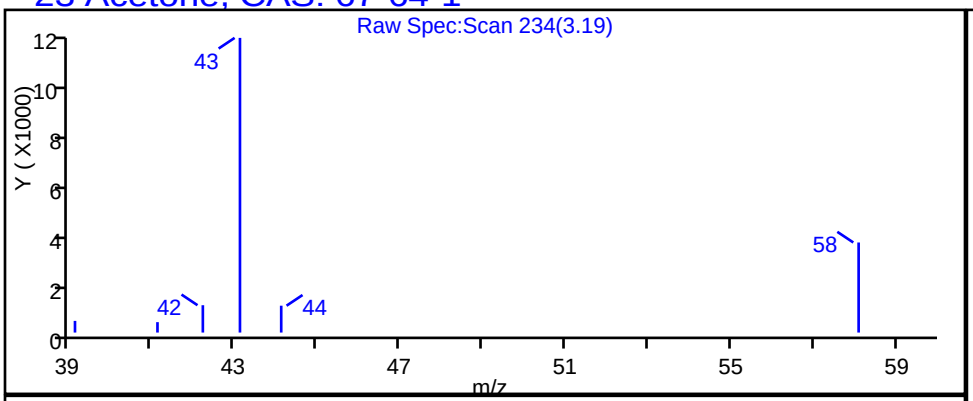
Column: ZB-624 (0.25 mm)

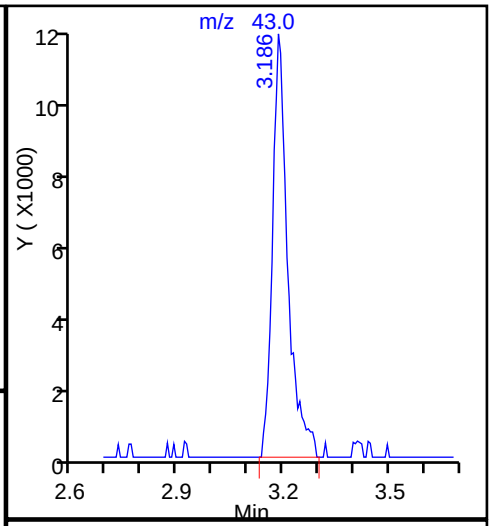


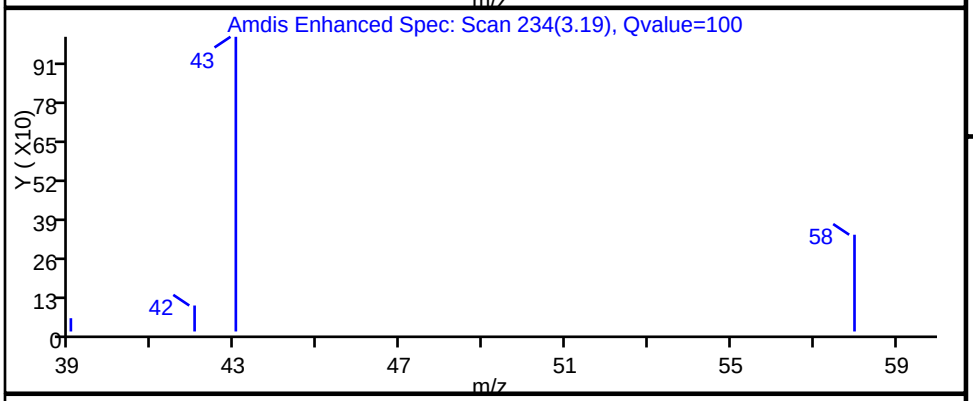
TestAmerica Buffalo

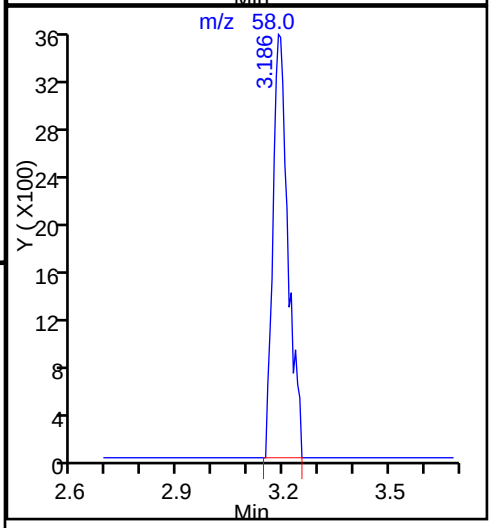
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2859.D
Injection Date: 27-Nov-2015 21:52:30 Instrument ID: HP5973F
Lims ID: MB 480-277152/3-A
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

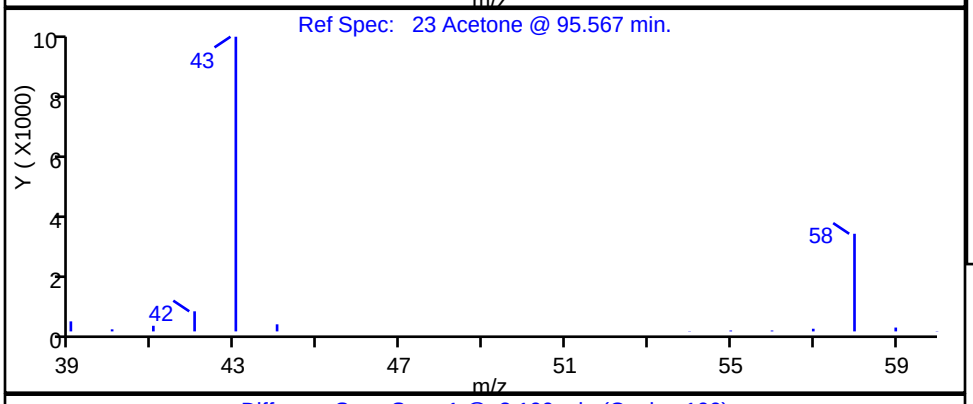
23 Acetone, CAS: 67-64-1

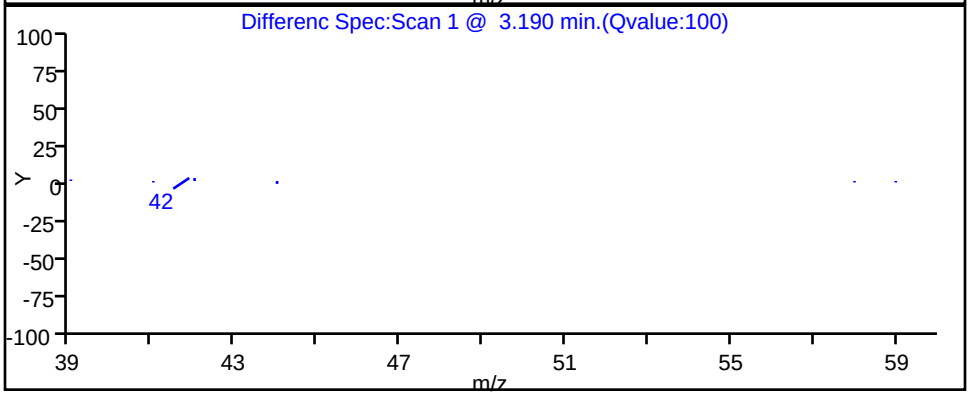












Report Date: 27-Nov-2015 22:19:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2859.D

Injection Date: 27-Nov-2015 21:52:30 Instrument ID: HP5973F

Lims ID: MB 480-277152/3-A

Client ID:

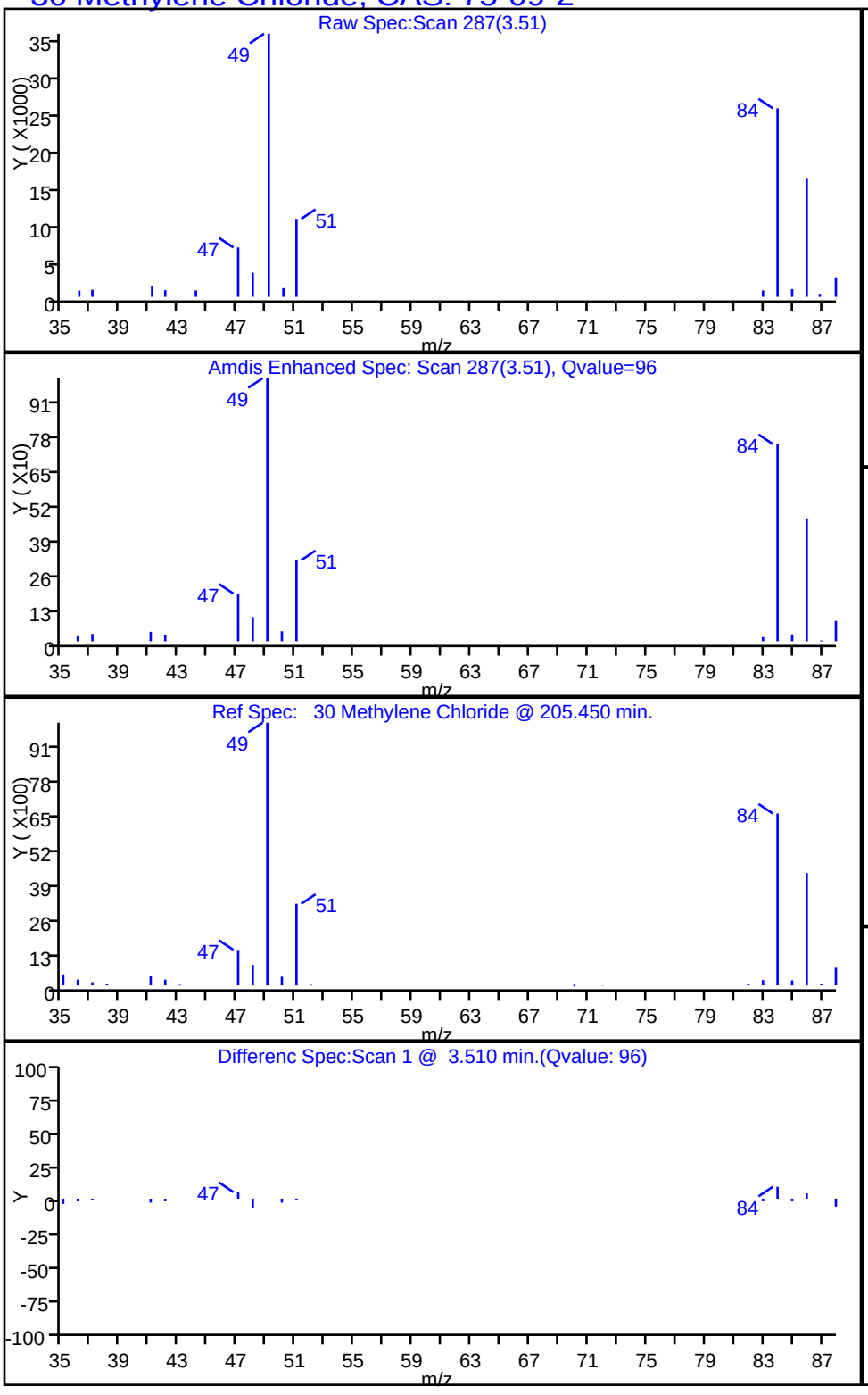
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 8

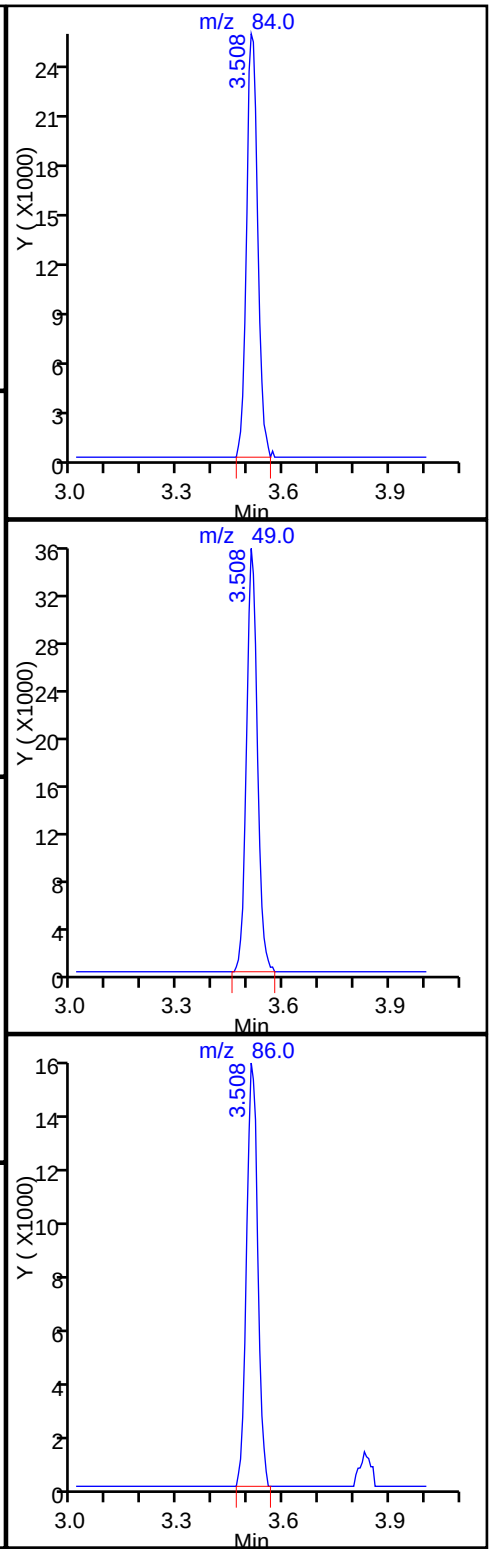
Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: F-8260 SOIL Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-277359/11-A

Matrix: Solid | Lab File ID: T2462.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 11/30/2015 13:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277335 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
79-00-5	1,1,2-Trichloroethane	ND		100	21
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	34
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
95-50-1	1,2-Dichlorobenzene	ND		100	25
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	45
56-23-5	Carbon tetrachloride	ND		100	25
108-90-7	Chlorobenzene	ND		100	13
124-48-1	Dibromochloromethane	ND		100	48
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	68
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	27
110-82-7	Cyclohexane	ND		100	22
75-27-4	Bromodichloromethane	ND		100	20
75-71-8	Dichlorodifluoromethane	ND		100	43
100-41-4	Ethylbenzene	ND		100	29
106-93-4	1,2-Dibromoethane	ND		100	17
98-82-8	Isopropylbenzene	ND		100	15
79-20-9	Methyl acetate	ND		100	47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-277359/11-A

Matrix: Solid | Lab File ID: T2462.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 11/30/2015 13:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277335 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
75-69-4	Trichlorofluoromethane	ND		100	47
75-01-4	Vinyl chloride	ND		100	33
1330-20-7	Xylenes, Total	ND		200	55
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
100-42-5	Styrene	ND		100	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		53-146
460-00-4	4-Bromofluorobenzene (Surr)	94		49-148
2037-26-5	Toluene-d8 (Surr)	97		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2462.D
Lims ID: MB 480-277359/11-A
Client ID:
Sample Type: MB
Inject. Date: 30-Nov-2015 13:51:30 ALS Bottle#: 42 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-277359/11-A
Misc. Info.: 480-0048781-012
Operator ID: gtg Instrument ID: HP5975T

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 14:06:55 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: goliszekg Date: 30-Nov-2015 14:48:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.346	4.346	0.000	99	127094	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	87	498191	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	96	251669	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.880	0.010	93	165939	25.0	23.6	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.128	0.000	0	180885	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	611543	25.0	24.1	
$ 7 4-Bromofluorobenzene (Surr	174	7.558	7.558	0.000	90	190349	25.0	23.5	
11 Dichlorodifluoromethane	85		0.999					ND	
12 Chlorodifluoromethane	51		0.999					ND	
13 Chloromethane	50		1.092					ND	
151 Butadiene	54		1.185					ND	
14 Vinyl chloride	62		1.185					ND	
15 Bromomethane	94		1.392					ND	
16 Chloroethane	64		1.444					ND	
18 Dichlorofluoromethane	67		1.641					ND	
17 Trichlorofluoromethane	101		1.652					ND	
19 Ethyl ether	59		1.848					ND	
148 Ethanol	45		1.869					ND	
84 Propene oxide	58		1.921					ND	
21 Acrolein	56		2.014					ND	
22 1,1-Dichloroethene	96		2.035					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.056					ND	
23 Acetone	43		2.159					ND	
24 Iodomethane	142		2.170					ND	
25 Carbon disulfide	76		2.190					ND	
26 Isopropyl alcohol	45		2.325					ND	
27 3-Chloro-1-propene	41		2.356					ND	
28 Methyl acetate	43		2.408					ND	
29 Acetonitrile	40		2.418					ND	
30 Methylene Chloride	84		2.491					ND	
32 trans-1,2-Dichloroethene	96		2.677					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 2-Methyl-2-propanol	59		2.677					ND	
33 Methyl tert-butyl ether	73		2.688					ND	
34 Acrylonitrile	53		2.740					ND	
35 Hexane	57		2.843					ND	
36 1,1-Dichloroethane	63		3.040					ND	
37 Isopropyl ether	45		3.061					ND	
38 2-Chloro-1,3-butadiene	53		3.082					ND	
139 Halothane	117		3.092					ND	
39 Vinyl acetate	43		3.092					ND	
40 1,1-Dimethoxyethane	75		3.123					ND	
41 Tert-butyl ethyl ether	59		3.341					ND	
42 2,2-Dichloropropane	77		3.475					ND	
43 cis-1,2-Dichloroethene	96		3.496					ND	
44 2-Butanone (MEK)	43		3.548					ND	
45 Ethyl acetate	43		3.569					ND	
46 Propionitrile	54		3.631					ND	
47 Chlorobromomethane	128		3.693					ND	
48 Tetrahydrofuran	42		3.714					ND	
49 Methacrylonitrile	41		3.714					ND	
50 Chloroform	83		3.755					ND	
51 1,1,1-Trichloroethane	97		3.848					ND	
52 Cyclohexane	56		3.848					ND	
53 Carbon tetrachloride	117		3.952					ND	
54 1,1-Dichloropropene	75		3.962					ND	
55 Benzene	78		4.128					ND	
152 Isooctane	57		4.128					ND	
56 Isobutyl alcohol	43		4.180					ND	
57 1,2-Dichloroethane	62		4.190					ND	
58 Tert-amyl methyl ether	73		4.211					ND	
147 t-Amyl alcohol	59		4.222					ND	
59 n-Heptane	43		4.273					ND	
1 1,4-Difluorobenzene	114		4.439					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.532					ND	
60 Trichloroethene	95		4.605					ND	
61 n-Butanol	56	4.678	4.667	0.011	32	1622		8.79	
62 Methylcyclohexane	83		4.709					ND	
140 2,4,4-Trimethyl-2-pentene	97		4.719					ND	
142 Ethyl acrylate	55		4.719					ND	
63 1,2-Dichloropropane	63		4.802					ND	
64 Methyl methacrylate	41		4.895					ND	
65 Dibromomethane	93		4.906					ND	
66 1,4-Dioxane	88		4.926					ND	
67 Dichlorobromomethane	83		5.030					ND	
68 2-Nitropropane	43		5.237					ND	
69 2-Chloroethyl vinyl ether	63		5.258					ND	
70 Epichlorohydrin	57		5.320					ND	
71 cis-1,3-Dichloropropene	75		5.351					ND	
72 4-Methyl-2-pentanone (MIBK	43		5.475					ND	
73 Toluene	92		5.569					ND	
74 2-Methylthiophene	97		5.672					ND	
75 trans-1,3-Dichloropropene	75		5.786					ND	
76 3-Methylthiophene	97		5.797					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		5.828					ND	
78 1,1,2-Trichloroethane	83		5.931					ND	
79 Tetrachloroethene	166		5.963					ND	
80 1,3-Dichloropropane	76		6.045					ND	
81 2-Hexanone	43		6.108					ND	
155 n-Butyl acetate	43		6.191					ND	
82 Chlorodibromomethane	129		6.222					ND	
83 Ethylene Dibromide	107		6.294					ND	
146 1-Chlorohexane	55		6.615					ND	
85 3-Chlorobenzotrifluoride	180		6.636					ND	
86 Chlorobenzene	112		6.646					ND	
87 4-Chlorobenzotrifluoride	180		6.678					ND	
88 Ethylbenzene	91		6.719					ND	
89 1,1,1,2-Tetrachloroethane	131		6.729					ND	
90 m-Xylene & p-Xylene	106		6.812					ND	
91 o-Xylene	106		7.123					ND	
92 Styrene	104		7.154					ND	
93 Bromoform	173		7.330					ND	
94 2-Chlorobenzotrifluoride	180		7.362					ND	
95 Isopropylbenzene	105		7.413					ND	
96 Cyclohexanone	55		7.548					ND	
97 Bromobenzene	156		7.672					ND	
98 1,1,2,2-Tetrachloroethane	83		7.724					ND	
99 N-Propylbenzene	91		7.745					ND	
100 1,2,3-Trichloropropane	110		7.745					ND	
101 trans-1,4-Dichloro-2-buten	53		7.766					ND	
105 2-Chlorotoluene	126		7.818					ND	
103 3-Chlorotoluene	126		7.869					ND	
104 1,3,5-Trimethylbenzene	105		7.890					ND	
102 4-Chlorotoluene	91		7.911					ND	
106 tert-Butylbenzene	134		8.139					ND	
107 1,2,4-Trimethylbenzene	105		8.191					ND	
108 Pentachloroethane	167		8.191					ND	
109 sec-Butylbenzene	105		8.315					ND	
110 1,3-Dichlorobenzene	146		8.429					ND	
111 4-Isopropyltoluene	119		8.439					ND	
112 Dicyclopentadiene	66		8.481					ND	
113 1,4-Dichlorobenzene	146		8.501					ND	
114 1,2,3-Trimethylbenzene	105		8.533					ND	
150 Benzyl chloride	126		8.636					ND	
115 n-Butylbenzene	91		8.771					ND	
116 1,2-Dichlorobenzene	146		8.802					ND	
117 1,2-Dibromo-3-Chloropropan	75		9.476					ND	
118 1,3,5-Trichlorobenzene	180		9.600					ND	
119 1,2,4-Trichlorobenzene	180		10.118					ND	
120 Hexachlorobutadiene	225		10.232					ND	
121 Naphthalene	128		10.325					ND	
122 1,2,3-Trichlorobenzene	180		10.522					ND	
149 2-Methylnaphthalene	142		11.227					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47	1.465	1.500	-0.035	1	1784		0	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 132 bis(chloromethyl)ether TIC	1		0.000					ND	
T 133 Pentachloroethane TIC	1		0.000					ND	
T 134 1-Bromopropane	1		0.000					ND	

Reagents:

T_8260_Surr_00116	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00117	Amount Added:	1.00	Units: uL	Run Reagent

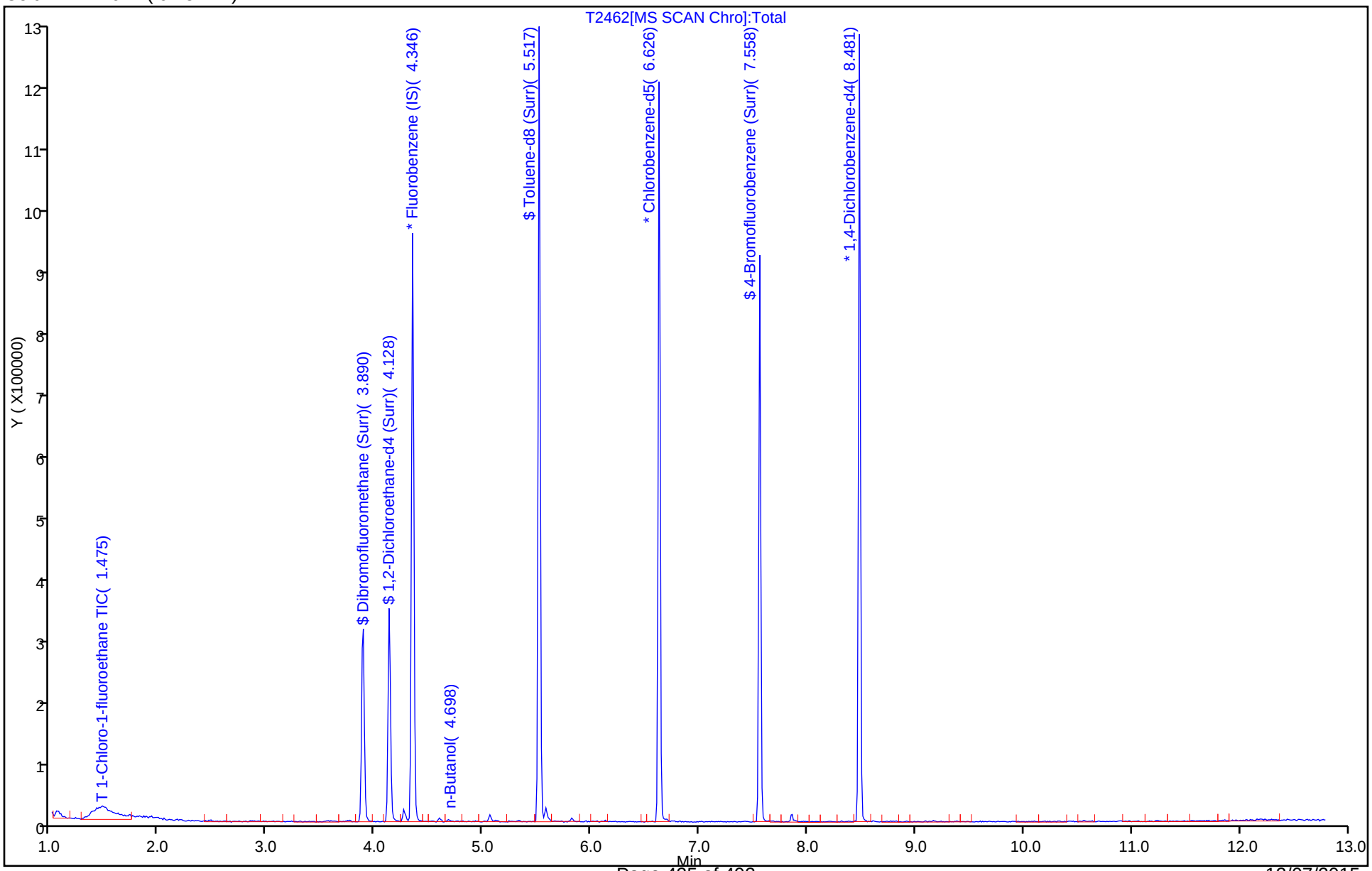
Report Date: 30-Nov-2015 16:11:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2462.D

Injection Date:	30-Nov-2015 13:51:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	MB 480-277359/11-A			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	42
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277064/1-A

Matrix: Solid | Lab File ID: F2829.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.19(g) | Date Analyzed: 11/27/2015 08:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	43.2		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	50.2		4.8	0.78
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	43.5		4.8	1.1
79-00-5	1,1,2-Trichloroethane	46.3		4.8	0.63
75-34-3	1,1-Dichloroethane	44.5		4.8	0.59
75-35-4	1,1-Dichloroethene	44.4		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	46.3		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	48.5		4.8	2.4
95-50-1	1,2-Dichlorobenzene	45.1		4.8	0.38
107-06-2	1,2-Dichloroethane	43.8		4.8	0.24
78-87-5	1,2-Dichloropropane	45.3		4.8	2.4
541-73-1	1,3-Dichlorobenzene	44.8		4.8	0.25
106-46-7	1,4-Dichlorobenzene	44.7		4.8	0.67
78-93-3	2-Butanone (MEK)	258		24	1.8
591-78-6	2-Hexanone	255		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	248		24	1.6
67-64-1	Acetone	260		24	4.1
71-43-2	Benzene	44.6		4.8	0.24
75-25-2	Bromoform	45.1		4.8	2.4
74-83-9	Bromomethane	44.7		4.8	0.43
75-15-0	Carbon disulfide	44.1		4.8	2.4
56-23-5	Carbon tetrachloride	43.5		4.8	0.47
108-90-7	Chlorobenzene	42.9		4.8	0.64
124-48-1	Dibromochloromethane	46.5		4.8	0.62
75-00-3	Chloroethane	45.4		4.8	1.1
67-66-3	Chloroform	44.2		4.8	0.30
74-87-3	Chloromethane	48.0		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	44.9		4.8	0.62
110-82-7	Cyclohexane	44.8		4.8	0.67
75-27-4	Bromodichloromethane	45.0		4.8	0.65
75-71-8	Dichlorodifluoromethane	45.4		4.8	0.40
100-41-4	Ethylbenzene	43.4		4.8	0.33
106-93-4	1,2-Dibromoethane	46.4		4.8	0.62
98-82-8	Isopropylbenzene	44.6		4.8	0.73
79-20-9	Methyl acetate	246		4.8	2.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277064/1-A

Matrix: Solid | Lab File ID: F2829.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.19(g) | Date Analyzed: 11/27/2015 08:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277087 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	45.0		4.8	0.47
108-87-2	Methylcyclohexane	43.9		4.8	0.73
75-09-2	Methylene Chloride	41.1		4.8	2.2
127-18-4	Tetrachloroethene	43.7		4.8	0.65
108-88-3	Toluene	44.0		4.8	0.36
156-60-5	trans-1,2-Dichloroethene	44.9		4.8	0.50
10061-02-6	trans-1,3-Dichloropropene	47.0		4.8	2.1
79-01-6	Trichloroethene	42.9		4.8	1.1
75-69-4	Trichlorofluoromethane	45.9		4.8	0.46
75-01-4	Vinyl chloride	46.9		4.8	0.59
1330-20-7	Xylenes, Total	83.7		9.6	0.81
10061-01-5	cis-1,3-Dichloropropene	45.8		4.8	0.69
100-42-5	Styrene	44.8		4.8	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		64-126
460-00-4	4-Bromofluorobenzene (Surr)	87		72-126
2037-26-5	Toluene-d8 (Surr)	87		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2829.D
Lims ID: LCS 480-277064/1-A
Client ID:
Sample Type: LCS
Inject. Date: 27-Nov-2015 08:33:30 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-277064/1-A
Misc. Info.: 480-0048735-006
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 09:29:24 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: cwiklinc Date: 27-Nov-2015 09:29:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	164778	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	324285	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	291381	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	147918	50.0	44.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	89420	50.0	44.3	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	579503	50.0	43.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.416	0.000	86	157079	50.0	43.5	
10 Dichlorodifluoromethane	85	1.908	1.902	0.006	99	285809	50.0	47.2	
12 Chloromethane	50	2.061	2.054	0.007	99	242563	50.0	49.8	
13 Vinyl chloride	62	2.176	2.170	0.006	99	203475	50.0	48.7	
151 Butadiene	54	2.182	2.176	0.006	93	210455	50.0	49.3	
14 Bromomethane	94	2.456	2.456	0.000	91	126457	50.0	46.4	
15 Chloroethane	64	2.529	2.523	0.006	99	106793	50.0	47.1	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	97	299964	50.0	47.4	
17 Trichlorofluoromethane	101	2.705	2.711	-0.006	98	304676	50.0	47.7	
18 Ethyl ether	59	2.912	2.906	0.006	94	197162	50.0	45.9	
20 Acrolein	56	3.064	3.064	0.000	99	262813	250.0	254.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.095	0.006	95	209259	50.0	45.2	
22 1,1-Dichloroethene	96	3.125	3.119	0.006	99	221444	50.0	46.1	
23 Acetone	43	3.180	3.174	0.006	100	476177	250.0	270.2	
25 Iodomethane	142	3.277	3.277	0.000	98	378337	50.0	44.4	
26 Carbon disulfide	76	3.332	3.332	0.000	99	710724	50.0	45.8	
27 Methyl acetate	43	3.393	3.393	0.000	98	1216524	250.0	255.5	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	95	413400	50.0	47.0	
30 Methylene Chloride	84	3.508	3.508	0.000	96	253600	50.0	42.7	
31 2-Methyl-2-propanol	59	3.563	3.557	0.006	99	274032	500.0	440.6	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	96	696815	50.0	46.7	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	99	244365	50.0	46.6	
33 Acrylonitrile	53	3.709	3.709	0.000	99	1081003	500.0	507.8	
35 Hexane	57	3.831	3.831	0.000	94	404331	50.0	42.8	
37 Vinyl acetate	43	4.013	4.007	0.006	97	1006909	100.0	105.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	4.026	4.026	0.000	97	435641	50.0	46.2	
43 2-Butanone (MEK)	43	4.470	4.464	0.006	100	725102	250.0	268.2	
44 2,2-Dichloropropane	77	4.464	4.464	0.000	93	313888	50.0	45.8	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	82	261954	50.0	46.6	
48 Chlorobromomethane	128	4.683	4.683	0.000	97	126950	50.0	46.5	
49 Tetrahydrofuran	42	4.701	4.701	0.000	91	196803	100.0	102.6	
50 Chloroform	83	4.719	4.713	0.006	95	397368	50.0	45.9	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	99	323273	50.0	44.9	
52 Cyclohexane	56	4.889	4.889	0.000	92	423035	50.0	46.5	
54 1,1-Dichloropropene	75	4.981	4.981	0.000	95	318885	50.0	45.4	
55 Carbon tetrachloride	117	4.987	4.987	0.000	98	282003	50.0	45.2	
53 Isobutyl alcohol	43	5.042	5.041	0.001	94	325065	1250.0	1252.8	
57 Benzene	78	5.163	5.163	0.000	97	960358	50.0	46.3	
58 1,2-Dichloroethane	62	5.200	5.200	0.000	96	310735	50.0	45.5	
59 n-Heptane	43	5.254	5.254	0.000	95	420691	50.0	44.2	
62 Trichloroethene	95	5.686	5.680	0.006	97	231412	50.0	44.5	
64 Methylcyclohexane	83	5.820	5.820	0.000	92	406788	50.0	45.6	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	235598	50.0	47.0	
66 1,4-Dioxane	88	6.021	6.009	0.012	93	43204	1000.0	904.5	
67 Dibromomethane	93	6.033	6.033	0.000	96	139212	50.0	47.9	
68 Dichlorobromomethane	83	6.149	6.143	0.006	99	280485	50.0	46.7	
69 2-Chloroethyl vinyl ether	63	6.356	6.356	0.000	93	125888	50.0	49.8	
72 cis-1,3-Dichloropropene	75	6.526	6.520	0.006	95	358769	50.0	47.5	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	97	1387106	250.0	257.8	
74 Toluene	92	6.818	6.818	0.000	98	587029	50.0	45.7	
75 Ethyl methacrylate	69	7.043	7.043	0.000	80	295108	50.0	49.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	93	324584	50.0	48.7	
79 1,1,2-Trichloroethane	83	7.238	7.238	0.000	91	170363	50.0	48.0	
81 Tetrachloroethene	166	7.341	7.335	0.006	96	234641	50.0	45.4	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	353645	50.0	48.2	
80 2-Hexanone	43	7.414	7.414	0.000	97	1013955	250.0	264.2	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	215863	50.0	48.2	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	211753	50.0	48.2	
87 Chlorobenzene	112	8.223	8.223	0.000	95	626113	50.0	44.5	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1047305	50.0	45.0	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	208651	50.0	46.0	
90 m-Xylene & p-Xylene	106	8.400	8.400	0.000	99	422585	50.0	42.2	
91 o-Xylene	106	8.838	8.832	0.006	96	402469	50.0	44.6	
92 Styrene	104	8.856	8.856	0.000	95	675148	50.0	46.5	
95 Bromoform	173	9.130	9.136	-0.006	95	111135	50.0	46.8	
94 Isopropylbenzene	105	9.203	9.203	0.000	96	999271	50.0	46.3	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	273504	50.0	52.1	
101 Bromobenzene	156	9.586	9.586	0.000	94	252726	50.0	45.9	
98 trans-1,4-Dichloro-2-buten	53	9.629	9.622	0.007	59	94799	50.0	51.9	
99 N-Propylbenzene	91	9.629	9.628	0.001	99	1213671	50.0	47.5	
100 1,2,3-Trichloropropane	110	9.635	9.635	0.000	83	82982	50.0	48.4	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	247235	50.0	46.4	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	95	837603	50.0	46.1	
105 4-Chlorotoluene	126	9.860	9.860	0.000	97	262760	50.0	46.6	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	190287	50.0	46.2	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	858604	50.0	45.8	
109 sec-Butylbenzene	105	10.316	10.316	0.000	94	1090990	50.0	47.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.444	10.444	0.000	97	948193	50.0	47.3	
111 1,3-Dichlorobenzene	146	10.474	10.474	0.000	98	494114	50.0	46.5	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	499888	50.0	46.4	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	836193	50.0	47.8	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	99	465415	50.0	46.8	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	91	44932	50.0	50.3	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	95	261309	50.0	48.1	
120 Hexachlorobutadiene	225	12.311	12.317	-0.006	92	107893	50.0	44.9	
121 Naphthalene	128	12.445	12.445	0.000	97	844815	50.0	48.0	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	97	242112	50.0	47.8	

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

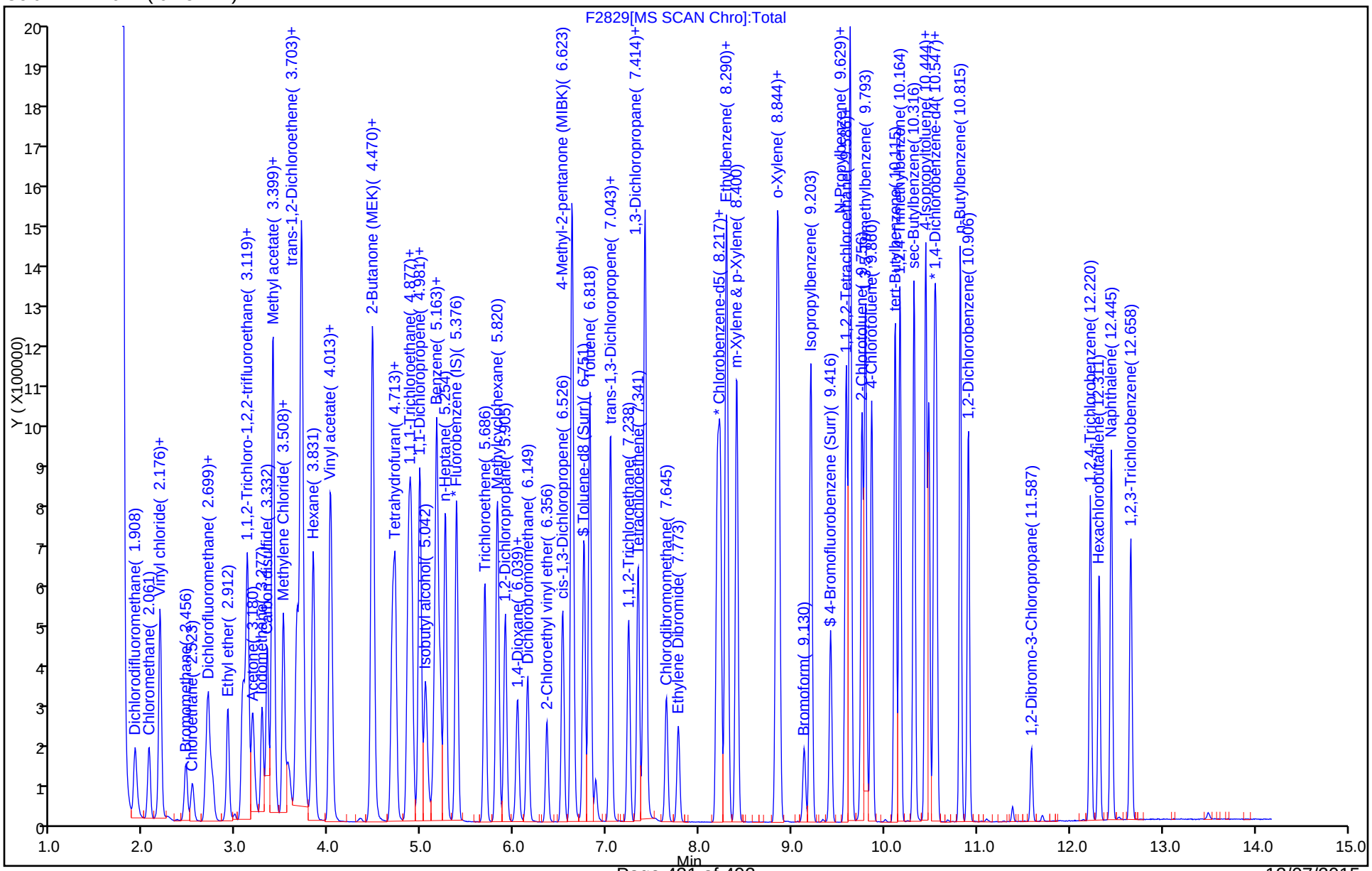
Report Date: 27-Nov-2015 09:29:25 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48735.b\F2829.D

Injection Date:	27-Nov-2015 08:33:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	LCS 480-277064/1-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277152/1-A

Matrix: Solid | Lab File ID: F2856.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.14(g) | Date Analyzed: 11/27/2015 20:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	44.1		4.9	0.35
79-34-5	1,1,2,2-Tetrachloroethane	48.8		4.9	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	46.6		4.9	1.1
79-00-5	1,1,2-Trichloroethane	46.0		4.9	0.63
75-34-3	1,1-Dichloroethane	45.9		4.9	0.59
75-35-4	1,1-Dichloroethene	47.4		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	46.8		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	49.1		4.9	2.4
95-50-1	1,2-Dichlorobenzene	45.7		4.9	0.38
107-06-2	1,2-Dichloroethane	42.8		4.9	0.24
78-87-5	1,2-Dichloropropane	45.7		4.9	2.4
541-73-1	1,3-Dichlorobenzene	47.0		4.9	0.25
106-46-7	1,4-Dichlorobenzene	46.0		4.9	0.68
78-93-3	2-Butanone (MEK)	400		24	1.8
591-78-6	2-Hexanone	257		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	246		24	1.6
67-64-1	Acetone	268		24	4.1
71-43-2	Benzene	45.9		4.9	0.24
75-25-2	Bromoform	43.3		4.9	2.4
74-83-9	Bromomethane	43.1		4.9	0.44
75-15-0	Carbon disulfide	47.1		4.9	2.4
56-23-5	Carbon tetrachloride	44.9		4.9	0.47
108-90-7	Chlorobenzene	45.0		4.9	0.64
124-48-1	Dibromochloromethane	46.0		4.9	0.62
75-00-3	Chloroethane	43.7		4.9	1.1
67-66-3	Chloroform	44.5		4.9	0.30
74-87-3	Chloromethane	46.3		4.9	0.29
156-59-2	cis-1,2-Dichloroethene	45.8		4.9	0.62
110-82-7	Cyclohexane	47.4		4.9	0.68
75-27-4	Bromodichloromethane	44.7		4.9	0.65
75-71-8	Dichlorodifluoromethane	46.8		4.9	0.40
100-41-4	Ethylbenzene	46.2		4.9	0.34
106-93-4	1,2-Dibromoethane	45.9		4.9	0.62
98-82-8	Isopropylbenzene	46.7		4.9	0.73
79-20-9	Methyl acetate	286		4.9	2.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277152/1-A

Matrix: Solid | Lab File ID: F2856.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.14(g) | Date Analyzed: 11/27/2015 20:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	43.0		4.9	0.48
108-87-2	Methylcyclohexane	47.0		4.9	0.74
75-09-2	Methylene Chloride	41.9		4.9	2.2
127-18-4	Tetrachloroethene	46.9		4.9	0.65
108-88-3	Toluene	45.8		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	47.2		4.9	0.50
10061-02-6	trans-1,3-Dichloropropene	46.7		4.9	2.1
79-01-6	Trichloroethene	46.5		4.9	1.1
75-69-4	Trichlorofluoromethane	44.7		4.9	0.46
75-01-4	Vinyl chloride	46.0		4.9	0.59
1330-20-7	Xylenes, Total	86.1		9.7	0.82
10061-01-5	cis-1,3-Dichloropropene	47.9		4.9	0.70
100-42-5	Styrene	47.1		4.9	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		64-126
460-00-4	4-Bromofluorobenzene (Surr)	85		72-126
2037-26-5	Toluene-d8 (Surr)	84		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2856.D
Lims ID: LCS 480-277152/1-A
Client ID:
Sample Type: LCS
Inject. Date: 27-Nov-2015 20:34:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 22:09:44 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: diasn Date: 27-Nov-2015 22:09:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	169220	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	331197	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	298175	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	142791	50.0	41.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.133	5.133	-0.001	0	98910	50.0	47.7	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	570747	50.0	42.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	156908	50.0	42.5	
10 Dichlorodifluoromethane	85	1.902	1.914	-0.012	100	299094	50.0	48.1	
11 Chlorodifluoromethane	51	1.920	1.920	0.000	97	238131	50.0	41.9	
12 Chloromethane	50	2.054	2.066	-0.012	99	237929	50.0	47.6	
13 Vinyl chloride	62	2.170	2.176	-0.006	97	202891	50.0	47.2	
151 Butadiene	54	2.176	2.182	-0.006	96	213806	50.0	48.8	
14 Bromomethane	94	2.450	2.462	-0.012	92	123950	50.0	44.3	
15 Chloroethane	64	2.523	2.529	-0.006	99	104518	50.0	44.9	
16 Dichlorofluoromethane	67	2.687	2.693	-0.006	99	292455	50.0	45.0	
17 Trichlorofluoromethane	101	2.699	2.711	-0.012	99	301994	50.0	46.0	
148 Ethanol	45	2.906	2.876	0.030	78	223733	2000.0	6493.5	E
18 Ethyl ether	59	2.906	2.912	-0.006	96	197564	50.0	44.8	
19 Propene oxide	58	2.997	3.003	-0.006	96	309531	NC	NC	
20 Acrolein	56	3.064	3.070	-0.006	100	266603	250.0	250.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	94	228074	50.0	48.0	
22 1,1-Dichloroethene	96	3.119	3.125	-0.006	98	240341	50.0	48.7	
23 Acetone	43	3.180	3.180	0.000	100	499094	250.0	275.8	
24 Isopropyl alcohol	45	3.265	3.265	0.000	96	157706	500.0	387.6	
25 Iodomethane	142	3.277	3.283	-0.006	99	397066	50.0	45.4	
26 Carbon disulfide	76	3.332	3.338	-0.006	99	770807	50.0	48.4	
27 Methyl acetate	43	3.393	3.399	-0.006	99	1436734	250.0	293.9	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	93	762783	50.0	84.4	
29 Acetonitrile	40	3.429	3.435	-0.006	79	197984	500.0	415.0	M
30 Methylene Chloride	84	3.508	3.508	0.000	96	262531	50.0	43.0	
31 2-Methyl-2-propanol	59	3.563	3.569	-0.006	99	282426	500.0	442.2	
32 Methyl tert-butyl ether	73	3.654	3.660	-0.006	96	678555	50.0	44.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96	3.691	3.697	-0.006	99	261061	50.0	48.5	
33 Acrylonitrile	53	3.709	3.715	-0.006	99	1086178	500.0	496.8	
35 Hexane	57	3.831	3.831	0.000	94	459290	50.0	47.4	
36 Isopropyl ether	45	3.983	3.983	0.000	89	899246	50.0	44.7	
37 Vinyl acetate	43	4.007	4.013	-0.006	97	1530943	100.0	156.3	
39 1,1-Dichloroethane	63	4.025	4.031	-0.006	95	457326	50.0	47.2	
38 1,1-Dimethoxyethane	75	4.056	4.056	0.000	61	194246	250.0	225.7	
40 2-Chloro-1,3-butadiene	53	4.074	4.074	0.000	91	390023	50.0	46.2	
41 Tert-butyl ethyl ether	59	4.256	4.263	-0.007	98	752421	50.0	41.2	
42 Ethyl acetate	43	4.463	4.463	0.000	96	1140619	100.0	285.5	E
44 2,2-Dichloropropane	77	4.463	4.463	0.000	93	330454	50.0	46.9	
43 2-Butanone (MEK)	43	4.463	4.469	-0.006	97	1140619	250.0	410.9	
45 cis-1,2-Dichloroethene	96	4.475	4.476	-0.001	83	271703	50.0	47.0	
46 Propionitrile	54	4.561	4.561	0.000	100	434694	500.0	442.6	
47 Methacrylonitrile	41	4.652	4.652	0.000	94	1931017	500.0	468.4	
48 Chlorobromomethane	128	4.682	4.682	0.000	95	127163	50.0	45.3	
49 Tetrahydrofuran	42	4.701	4.707	-0.006	80	211572	100.0	107.4	
50 Chloroform	83	4.713	4.719	-0.006	95	406507	50.0	45.7	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	98	335660	50.0	45.4	
52 Cyclohexane	56	4.889	4.889	0.000	92	454889	50.0	48.7	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	96	345361	50.0	47.8	
55 Carbon tetrachloride	117	4.987	4.987	-0.001	99	296233	50.0	46.2	
53 Isobutyl alcohol	43	5.041	5.047	-0.006	94	311799	1250.0	1170.2	
147 t-Amyl alcohol	59	5.114	5.114	0.000	91	294694	500.0	489.4	
152 Isooctane	57	5.126	5.126	0.000	96	1061471	50.0	48.1	
57 Benzene	78	5.163	5.163	0.000	96	1005794	50.0	47.2	
56 Tert-amyl methyl ether	73	5.175	5.175	0.000	98	719313	50.0	43.2	
58 1,2-Dichloroethane	62	5.199	5.199	0.000	96	308656	50.0	44.0	
59 n-Heptane	43	5.254	5.260	-0.006	95	502662	50.0	51.4	
1 1,4-Difluorobenzene	114	5.443	5.443	0.000	94	788323	50.0	45.1	
60 n-Butanol	56	5.595	5.589	0.006	91	173340	1250.0	664.5	
62 Trichloroethene	95	5.680	5.686	-0.006	98	255029	50.0	47.8	
137 Ethyl acrylate	55	5.710	5.710	0.000	98	353756	50.0	19.7	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	442237	50.0	48.3	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	241911	50.0	47.0	
63 Methyl methacrylate	41	5.911	5.917	-0.006	95	647096	100.0	114.8	
66 1,4-Dioxane	88	6.009	6.009	0.000	95	50479	1000.0	1029.7	
67 Dibromomethane	93	6.033	6.039	-0.006	96	139199	50.0	46.6	
68 Dichlorobromomethane	83	6.142	6.149	-0.006	99	283975	50.0	46.0	
69 2-Chloroethyl vinyl ether	63	6.349	6.355	-0.006	87	132929	50.0	51.2	
70 2-Nitropropane	43	6.355	6.355	0.000	97	231618	100.0	167.2	
71 Epichlorohydrin	57	6.471	6.471	0.000	100	264083	500.0	503.5	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	381764	50.0	49.2	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	97	1390857	250.0	253.1	
74 Toluene	92	6.818	6.818	0.000	98	618848	50.0	47.1	
75 Ethyl methacrylate	69	7.037	7.037	0.000	79	295660	50.0	48.0	
77 trans-1,3-Dichloropropene	75	7.037	7.043	-0.006	94	326520	50.0	48.0	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	92	171078	50.0	47.2	
81 Tetrachloroethene	166	7.335	7.341	-0.006	96	254377	50.0	48.2	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	354903	50.0	47.4	
80 2-Hexanone	43	7.414	7.414	0.000	97	1035473	250.0	264.2	
155 n-Butyl acetate	43	7.493	7.493	0.000	0	321150	50.0	47.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
83 Chlorodibromomethane	129	7.639	7.645	-0.006	90	215920	50.0	47.3	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	211712	50.0	47.2	
146 1-Chlorohexane	55	8.120	8.120	0.000	97	249814	50.0	48.8	
85 3-Chlorobenzotrifluoride	180	8.126	8.126	0.000	89	324417	50.0	48.6	
86 4-Chlorobenzotrifluoride	180	8.180	8.180	0.000	96	294107	50.0	47.1	
87 Chlorobenzene	112	8.223	8.223	0.000	96	664713	50.0	46.3	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1127979	50.0	47.5	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	212943	50.0	46.0	
90 m-Xylene & p-Xylene	106	8.405	8.406	-0.001	99	441818	50.0	43.2	
91 o-Xylene	106	8.837	8.837	0.000	96	417543	50.0	45.3	
92 Styrene	104	8.856	8.856	0.000	95	717069	50.0	48.4	
93 2-Chlorobenzotrifluoride	180	9.111	9.111	0.000	94	294742	50.0	45.6	
95 Bromoform	173	9.129	9.129	0.000	95	107944	50.0	44.5	
94 Isopropylbenzene	105	9.202	9.202	0.000	95	1058700	50.0	48.0	
96 Cyclohexanone	55	9.403	9.403	0.000	93	86682	500.0	477.3	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	269572	50.0	50.2	
101 Bromobenzene	156	9.586	9.586	0.000	93	264988	50.0	47.1	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	59	97723	50.0	52.3	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	1296274	50.0	49.6	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	82	84981	50.0	48.5	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	269189	50.0	49.4	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	96	882900	50.0	47.4	
104 3-Chlorotoluene	126	9.811	9.811	0.000	97	292669	50.0	47.4	
105 4-Chlorotoluene	126	9.859	9.859	0.000	97	296526	50.0	51.4	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	196499	50.0	46.6	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	895090	50.0	46.7	
108 Pentachloroethane	167	10.188	10.188	0.000	92	129839	50.0	63.0	
109 sec-Butylbenzene	105	10.316	10.316	0.000	94	1165900	50.0	49.2	
110 4-Isopropyltoluene	119	10.443	10.444	-0.001	97	1011160	50.0	49.2	
111 1,3-Dichlorobenzene	146	10.474	10.480	-0.006	98	524890	50.0	48.3	
114 Dicyclopentadiene	66	10.547	10.553	-0.006	97	1097232	50.0	46.7	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	520729	50.0	47.3	
112 1,2,3-Trimethylbenzene	105	10.571	10.571	0.000	98	921570	50.0	44.5	
150 Benzyl chloride	126	10.687	10.687	0.000	98	113017	50.0	61.9	
115 n-Butylbenzene	91	10.815	10.815	0.000	98	920131	50.0	51.4	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	478099	50.0	47.0	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	84	46122	50.0	50.5	
118 1,3,5-Trichlorobenzene	180	11.709	11.709	0.000	97	320039	50.0	49.0	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	95	267565	50.0	48.1	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	93	118185	50.0	48.1	
121 Naphthalene	128	12.445	12.445	0.000	97	819931	50.0	45.5	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	96	241036	50.0	46.5	
149 2-Methylnaphthalene	142	13.491	13.491	0.000	93	498073	50.0	49.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

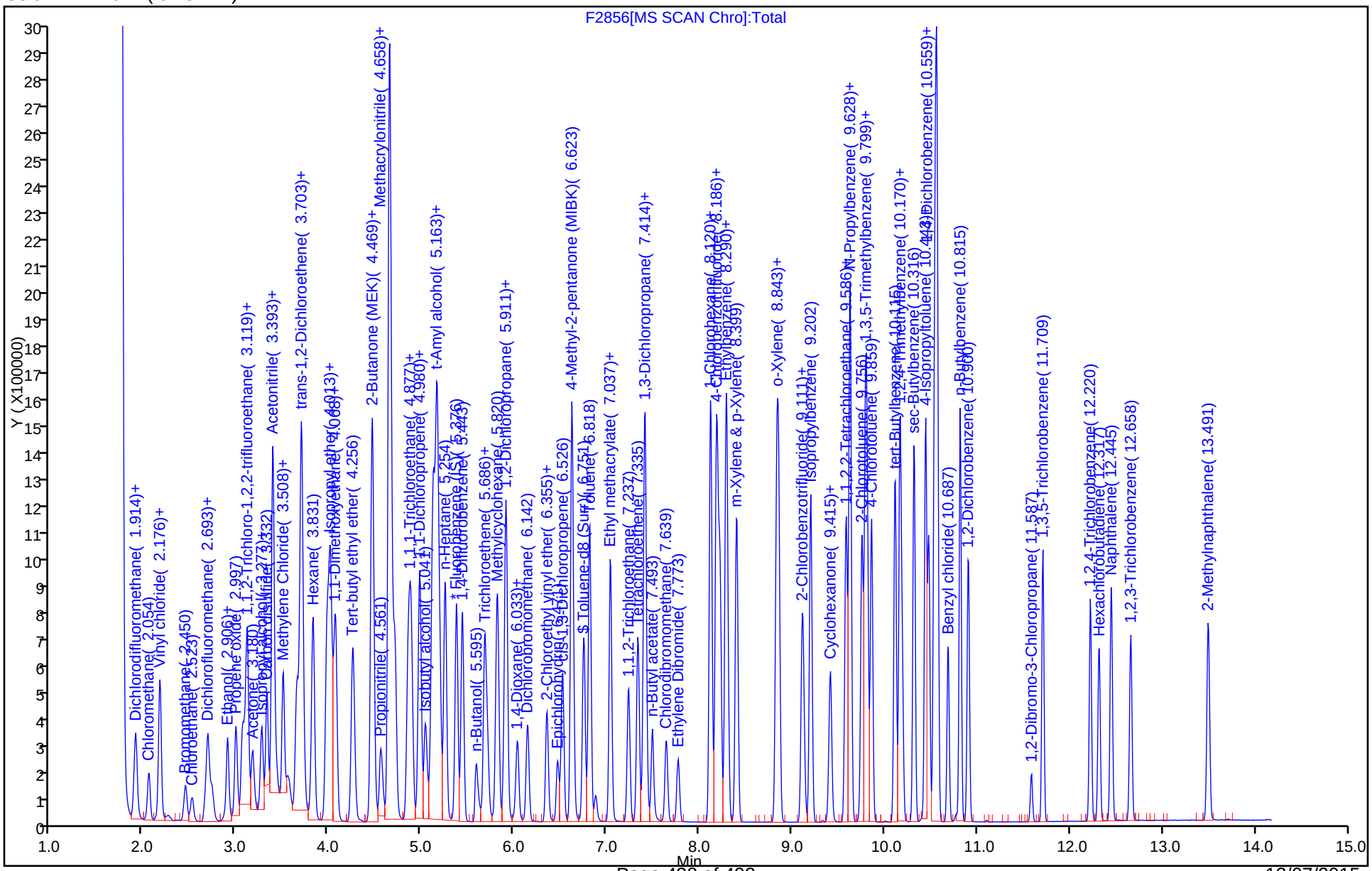
Report Date: 27-Nov-2015 22:09:46 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2856.D

Injection Date:	27-Nov-2015 20:34:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	LCS 480-277152/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277359/9-A

Matrix: Solid | Lab File ID: T2460.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.05(g) | Date Analyzed: 11/30/2015 13:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277335 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2210		99	27
79-34-5	1,1,2,2-Tetrachloroethane	2300		99	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2310		99	50
79-00-5	1,1,2-Trichloroethane	2330		99	21
75-34-3	1,1-Dichloroethane	2390		99	31
75-35-4	1,1-Dichloroethene	2250		99	34
120-82-1	1,2,4-Trichlorobenzene	2440		99	38
96-12-8	1,2-Dibromo-3-Chloropropane	1930		99	50
95-50-1	1,2-Dichlorobenzene	2310		99	25
107-06-2	1,2-Dichloroethane	2320		99	40
78-87-5	1,2-Dichloropropane	2190		99	16
541-73-1	1,3-Dichlorobenzene	2280		99	26
106-46-7	1,4-Dichlorobenzene	2320		99	14
78-93-3	2-Butanone (MEK)	20400		500	290
591-78-6	2-Hexanone	11500		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	10700		500	32
67-64-1	Acetone	12200		500	410
71-43-2	Benzene	2320		99	19
75-25-2	Bromoform	1820		99	50
74-83-9	Bromomethane	1570		99	22
75-15-0	Carbon disulfide	2160		99	45
56-23-5	Carbon tetrachloride	2150		99	25
108-90-7	Chlorobenzene	2280		99	13
124-48-1	Dibromochloromethane	1950		99	48
75-00-3	Chloroethane	1230		99	21
67-66-3	Chloroform	2240		99	68
74-87-3	Chloromethane	2180		99	24
156-59-2	cis-1,2-Dichloroethene	2150		99	27
110-82-7	Cyclohexane	2140		99	22
75-27-4	Bromodichloromethane	2150		99	20
75-71-8	Dichlorodifluoromethane	2280		99	43
100-41-4	Ethylbenzene	2320		99	29
106-93-4	1,2-Dibromoethane	2300		99	17
98-82-8	Isopropylbenzene	2400		99	15
79-20-9	Methyl acetate	12800		99	47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277359/9-A

Matrix: Solid | Lab File ID: T2460.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.05(g) | Date Analyzed: 11/30/2015 13:04

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277335 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	2240		99	37
108-87-2	Methylcyclohexane	2310		99	46
75-09-2	Methylene Chloride	2340		99	20
127-18-4	Tetrachloroethene	2430		99	13
108-88-3	Toluene	2280		99	27
156-60-5	trans-1,2-Dichloroethene	2210		99	23
10061-02-6	trans-1,3-Dichloropropene	2240		99	9.7
79-01-6	Trichloroethene	2190		99	28
75-69-4	Trichlorofluoromethane	2060		99	46
75-01-4	Vinyl chloride	2290		99	33
1330-20-7	Xylenes, Total	4450		200	55
10061-01-5	cis-1,3-Dichloropropene	2240		99	24
100-42-5	Styrene	2280		99	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
2037-26-5	Toluene-d8 (Surr)	96		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2460.D
Lims ID: LCS 480-277359/9-A
Client ID:
Sample Type: LCS
Inject. Date: 30-Nov-2015 13:04:30 ALS Bottle#: 40 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-277359/9-A
Misc. Info.: 480-0048781-011
Operator ID: gtg Instrument ID: HP5975T

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 14:06:55 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: goliszekg Date: 30-Nov-2015 15:46:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.346	4.346	0.000	99	137462	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	87	525615	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	68	263978	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.890	3.880	0.010	93	176564	25.0	23.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.128	0.000	0	188878	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	640996	25.0	24.0	
$ 7 4-Bromofluorobenzene (Surr	174	7.559	7.558	0.000	89	202200	25.0	23.7	
11 Dichlorodifluoromethane	85	0.988	0.999	-0.011	98	223511	25.0	23.0	
12 Chlorodifluoromethane	51	1.009	0.999	0.010	98	249366	25.0	31.0	
13 Chloromethane	50	1.092	1.092	0.000	100	272961	25.0	22.0	
151 Butadiene	54	1.175	1.185	-0.010	99	240903	25.0	23.1	
14 Vinyl chloride	62	1.185	1.185	0.000	99	234931	25.0	23.1	
15 Bromomethane	94	1.382	1.392	-0.010	93	81932	25.0	15.9	
16 Chloroethane	64	1.434	1.444	-0.010	92	57651	25.0	12.4	
18 Dichlorofluoromethane	67	1.631	1.641	-0.010	97	246801	25.0	20.5	
17 Trichlorofluoromethane	101	1.631	1.652	-0.021	69	236211	25.0	20.8	
19 Ethyl ether	59	1.848	1.848	0.000	96	147025	25.0	23.0	
148 Ethanol	45	1.848	1.869	-0.021	74	210790	1000.0	2758.8	
84 Propene oxide	58	1.931	1.921	0.010	95	177834	NC	NC	
21 Acrolein	56	2.014	2.014	0.000	98	160711	125.0	199.9	
22 1,1-Dichloroethene	96	2.025	2.035	-0.010	99	188578	25.0	22.8	
20 1,1,2-Trichloro-1,2,2-trif	101	2.035	2.056	-0.021	95	197004	25.0	23.4	
23 Acetone	43	2.159	2.159	0.000	82	268967	125.0	123.1	
24 Iodomethane	142	2.170	2.170	0.000	99	343493	25.0	22.1	
25 Carbon disulfide	76	2.190	2.190	0.000	100	619490	25.0	21.8	
26 Isopropyl alcohol	45	2.356	2.325	0.031	25	124712	250.0	232.5	
27 3-Chloro-1-propene	41	2.356	2.356	0.000	89	343736	25.0	20.4	
28 Methyl acetate	43	2.408	2.408	0.000	99	854597	125.0	128.9	
29 Acetonitrile	40	2.439	2.418	0.021	99	146115	250.0	267.6	
30 Methylene Chloride	84	2.481	2.491	-0.010	96	214343	25.0	23.6	
32 trans-1,2-Dichloroethene	96	2.678	2.677	0.001	99	207634	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 2-Methyl-2-propanol	59	2.688	2.677	0.011	42	172225	250.0	239.0	
33 Methyl tert-butyl ether	73	2.688	2.688	0.000	99	515453	25.0	22.6	
34 Acrylonitrile	53	2.740	2.740	0.000	98	681564	250.0	229.3	
35 Hexane	57	2.833	2.843	-0.010	95	312052	25.0	24.2	
36 1,1-Dichloroethane	63	3.030	3.040	-0.010	97	374378	25.0	24.1	
37 Isopropyl ether	45	3.061	3.061	0.000	94	778291	25.0	23.3	
38 2-Chloro-1,3-butadiene	53	3.082	3.082	0.000	93	312253	25.0	23.3	
139 Halothane	117	3.092	3.092	0.000	93	147829	25.0	22.2	
39 Vinyl acetate	43	3.092	3.092	0.000	97	1242553	50.0	64.7	
40 1,1-Dimethoxyethane	75	3.133	3.123	0.010	93	161210	125.0	107.0	
41 Tert-butyl ethyl ether	59	3.351	3.341	0.010	98	626597	25.0	22.0	
42 2,2-Dichloropropane	77	3.475	3.475	0.000	93	278607	25.0	22.4	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.000	83	227989	25.0	21.7	
44 2-Butanone (MEK)	43	3.558	3.548	0.010	100	739243	125.0	206.5	
45 Ethyl acetate	43	3.558	3.569	-0.011	98	739243	50.0	117.1	
46 Propionitrile	54	3.641	3.631	0.010	99	253141	250.0	218.2	
47 Chlorobromomethane	128	3.693	3.693	0.000	96	108885	25.0	21.5	
48 Tetrahydrofuran	42	3.714	3.714	0.000	31	165759	50.0	61.2	
49 Methacrylonitrile	41	3.714	3.714	0.000	97	1367684	250.0	231.2	
50 Chloroform	83	3.755	3.755	0.000	95	343191	25.0	22.6	
51 1,1,1-Trichloroethane	97	3.849	3.848	0.001	89	291402	25.0	22.3	
52 Cyclohexane	56	3.838	3.848	-0.010	93	369574	25.0	21.6	
53 Carbon tetrachloride	117	3.952	3.952	0.000	97	253102	25.0	21.8	
54 1,1-Dichloropropene	75	3.963	3.962	0.001	94	274067	25.0	24.3	
55 Benzene	78	4.128	4.128	0.000	96	789022	25.0	23.4	
152 Isooctane	57	4.128	4.128	0.000	75	790474	25.0	24.9	
56 Isobutyl alcohol	43	4.201	4.180	0.021	60	432419	625.0	1294.1	
57 1,2-Dichloroethane	62	4.191	4.190	0.001	96	264256	25.0	23.4	
58 Tert-amyl methyl ether	73	4.211	4.211	0.000	98	600514	25.0	22.1	
147 t-Amyl alcohol	59	4.232	4.222	0.010	71	152071	250.0	227.7	
59 n-Heptane	43	4.273	4.273	0.000	95	399740	25.0	23.7	
1 1,4-Difluorobenzene	114	4.439	4.439	0.000	94	597317	25.0	22.7	
141 2,4,4-Trimethyl-1-pentene	55	4.522	4.532	-0.010	98	155121	NC	NC	
60 Trichloroethene	95	4.605	4.605	0.000	98	210415	25.0	22.2	
61 n-Butanol	56	4.698	4.667	0.031	93	256887	625.0	1286.6	
62 Methylcyclohexane	83	4.698	4.709	-0.011	96	352267	25.0	23.3	
140 2,4,4-Trimethyl-2-pentene	97	4.719	4.719	0.000	96	435519	NC	NC	
142 Ethyl acrylate	55	4.719	4.719	0.000	95	930250	25.0	33.4	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	93	198566	25.0	22.2	
64 Methyl methacrylate	41	4.895	4.895	0.000	94	366133	50.0	43.4	
65 Dibromomethane	93	4.906	4.906	0.000	96	122042	25.0	23.5	
66 1,4-Dioxane	88	4.926	4.926	0.000	93	35224	500.0	535.5	
67 Dichlorobromomethane	83	5.030	5.030	0.000	99	246186	25.0	21.7	
68 2-Nitropropane	43	5.248	5.237	0.011	98	151858	50.0	61.9	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	94	118657	25.0	21.6	
70 Epichlorohydrin	57	5.320	5.320	0.000	98	157168	250.0	208.6	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	94	307182	25.0	22.6	
72 4-Methyl-2-pentanone (MIBK	43	5.476	5.475	0.001	99	917484	125.0	108.3	
73 Toluene	92	5.569	5.569	0.000	97	485120	25.0	23.1	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	96	253610	25.0	22.7	
77 Ethyl methacrylate	69	5.828	5.828	0.000	93	216350	25.0	22.0	
78 1,1,2-Trichloroethane	83	5.921	5.931	-0.010	93	144773	25.0	23.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 Tetrachloroethene	166	5.963	5.963	0.000	96	223683	25.0	24.5	
80 1,3-Dichloropropane	76	6.046	6.045	0.001	95	287077	25.0	24.5	
81 2-Hexanone	43	6.108	6.108	0.000	99	613370	125.0	116.2	
155 n-Butyl acetate	43	6.191	6.191	0.000	97	249535	25.0	21.9	
82 Chlorodibromomethane	129	6.222	6.222	0.000	90	170707	25.0	19.7	
83 Ethylene Dibromide	107	6.294	6.294	0.000	98	175508	25.0	23.2	
146 1-Chlorohexane	55	6.615	6.615	0.000	96	211653	25.0	25.2	
85 3-Chlorobenzotrifluoride	180	6.636	6.636	0.000	92	288395	25.0	25.3	
86 Chlorobenzene	112	6.647	6.646	0.001	95	542501	25.0	23.0	
87 4-Chlorobenzotrifluoride	180	6.678	6.678	0.000	93	281490	25.0	25.6	
88 Ethylbenzene	91	6.719	6.719	0.000	98	928983	25.0	23.5	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	96	186870	25.0	22.0	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	362171	25.0	22.7	
91 o-Xylene	106	7.123	7.123	0.000	98	355022	25.0	22.2	
92 Styrene	104	7.154	7.154	0.000	96	600222	25.0	23.1	
93 Bromoform	173	7.331	7.330	0.001	97	90951	25.0	18.4	
94 2-Chlorobenzotrifluoride	180	7.362	7.362	0.000	97	282267	25.0	24.6	
95 Isopropylbenzene	105	7.413	7.413	0.000	96	920450	25.0	24.2	
96 Cyclohexanone	55	7.548	7.548	0.000	93	58953	250.0	251.9	
97 Bromobenzene	156	7.673	7.672	0.000	93	236106	25.0	23.0	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	93	208236	25.0	23.3	
99 N-Propylbenzene	91	7.745	7.745	0.000	99	1125223	25.0	24.5	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	84	63821	25.0	25.1	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	87	52498	25.0	17.6	
105 2-Chlorotoluene	126	7.818	7.818	0.000	97	222476	25.0	23.6	
103 3-Chlorotoluene	126	7.869	7.869	0.000	98	244624	25.0	24.9	
104 1,3,5-Trimethylbenzene	105	7.880	7.890	-0.010	97	792531	25.0	24.1	
102 4-Chlorotoluene	91	7.911	7.911	0.000	97	762186	25.0	24.2	
106 tert-Butylbenzene	134	8.139	8.139	0.000	94	174251	25.0	24.3	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	96	807962	25.0	23.8	
108 Pentachloroethane	167	8.191	8.191	0.000	44	119606	25.0	26.4	
109 sec-Butylbenzene	105	8.315	8.315	0.000	95	1027864	25.0	23.8	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	98	449033	25.0	23.1	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	883790	25.0	24.3	
112 Dicyclopentadiene	66	8.481	8.481	0.000	96	1028341	25.0	24.9	
113 1,4-Dichlorobenzene	146	8.502	8.501	0.001	95	456513	25.0	23.4	
114 1,2,3-Trimethylbenzene	105	8.533	8.533	0.000	98	845950	25.0	24.5	
150 Benzyl chloride	126	8.636	8.636	0.000	99	72021	25.0	19.0	
115 n-Butylbenzene	91	8.771	8.771	0.000	98	827637	25.0	25.1	
116 1,2-Dichlorobenzene	146	8.802	8.802	0.000	97	437990	25.0	23.3	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	83	27880	25.0	19.5	
118 1,3,5-Trichlorobenzene	180	9.590	9.600	-0.010	98	355588	25.0	25.0	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	94	325759	25.0	24.7	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	98	156063	25.0	27.1	
121 Naphthalene	128	10.325	10.325	0.000	97	680790	25.0	21.5	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	97	296350	25.0	23.0	
149 2-Methylnaphthalene	142	11.227	11.227	0.000	92	419346	25.0	20.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

T_8260_Surr_00116	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00117	Amount Added:	1.00	Units: uL	Run Reagent

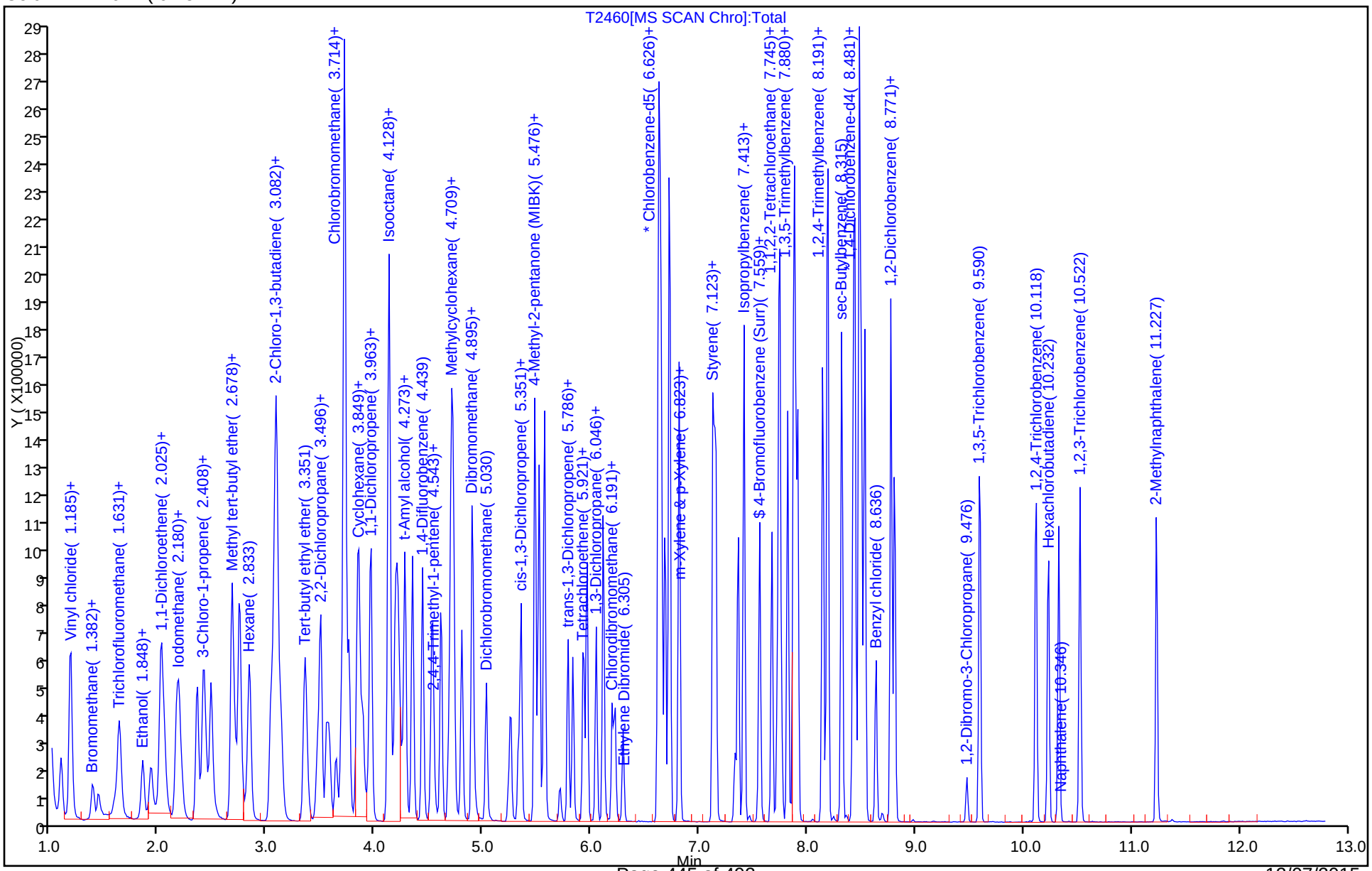
Report Date: 30-Nov-2015 16:11:39 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2460.D

Injection Date:	30-Nov-2015 13:04:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	LCS 480-277359/9-A			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	40
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-277152/2-A

Matrix: Solid | Lab File ID: F2857.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 11/27/2015 21:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	42.3		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	49.3		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	42.9		4.9	1.1
79-00-5	1,1,2-Trichloroethane	46.0		4.9	0.64
75-34-3	1,1-Dichloroethane	44.2		4.9	0.60
75-35-4	1,1-Dichloroethene	42.9		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	46.1		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	50.4		4.9	2.5
95-50-1	1,2-Dichlorobenzene	44.4		4.9	0.39
107-06-2	1,2-Dichloroethane	42.2		4.9	0.25
78-87-5	1,2-Dichloropropane	45.3		4.9	2.5
541-73-1	1,3-Dichlorobenzene	44.7		4.9	0.25
106-46-7	1,4-Dichlorobenzene	44.1		4.9	0.69
78-93-3	2-Butanone (MEK)	409		25	1.8
591-78-6	2-Hexanone	266		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	256		25	1.6
67-64-1	Acetone	276		25	4.2
71-43-2	Benzene	44.1		4.9	0.24
75-25-2	Bromoform	44.3		4.9	2.5
74-83-9	Bromomethane	41.6		4.9	0.44
75-15-0	Carbon disulfide	44.0		4.9	2.5
56-23-5	Carbon tetrachloride	42.3		4.9	0.48
108-90-7	Chlorobenzene	43.3		4.9	0.65
124-48-1	Dibromochloromethane	46.1		4.9	0.63
75-00-3	Chloroethane	42.2		4.9	1.1
67-66-3	Chloroform	42.8		4.9	0.30
74-87-3	Chloromethane	45.5		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	44.2		4.9	0.63
110-82-7	Cyclohexane	44.8		4.9	0.69
75-27-4	Bromodichloromethane	44.1		4.9	0.66
75-71-8	Dichlorodifluoromethane	43.4		4.9	0.41
100-41-4	Ethylbenzene	43.8		4.9	0.34
106-93-4	1,2-Dibromoethane	46.5		4.9	0.63
98-82-8	Isopropylbenzene	44.8		4.9	0.74
79-20-9	Methyl acetate	290		4.9	3.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-277152/2-A

Matrix: Solid | Lab File ID: F2857.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 11/27/2015 21:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277216 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	44.1		4.9	0.48
108-87-2	Methylcyclohexane	44.5		4.9	0.75
75-09-2	Methylene Chloride	45.8		4.9	2.3
127-18-4	Tetrachloroethene	45.6		4.9	0.66
108-88-3	Toluene	44.8		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	44.6		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	47.1		4.9	2.2
79-01-6	Trichloroethene	43.6		4.9	1.1
75-69-4	Trichlorofluoromethane	41.9		4.9	0.47
75-01-4	Vinyl chloride	44.4		4.9	0.60
1330-20-7	Xylenes, Total	83.9		9.9	0.83
10061-01-5	cis-1,3-Dichloropropene	47.4		4.9	0.71
100-42-5	Styrene	44.9		4.9	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
460-00-4	4-Bromofluorobenzene (Surr)	86		72-126
2037-26-5	Toluene-d8 (Surr)	86		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2857.D
Lims ID: LCSD 480-277152/2-A
Client ID:
Sample Type: LCSD
Inject. Date: 27-Nov-2015 21:00:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD 480-277152/2-A
Misc. Info.: 480-0048754-006
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Nov-2015 22:12:12 Calib Date: 19-Nov-2015 10:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151119-48486.b\F2504.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: diasn Date: 27-Nov-2015 22:12:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	178297	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	347166	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	310344	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	154279	50.0	42.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.133	0.006	0	106531	50.0	48.8	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	614993	50.0	43.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	87	166876	50.0	43.2	
10 Dichlorodifluoromethane	85	1.908	1.914	-0.006	99	288511	50.0	44.0	
11 Chlorodifluoromethane	51	1.920	1.920	0.000	99	231120	50.0	38.6	
12 Chloromethane	50	2.060	2.066	-0.006	99	243071	50.0	46.1	
13 Vinyl chloride	62	2.176	2.176	0.000	98	203523	50.0	45.0	
151 Butadiene	54	2.182	2.182	0.000	95	215514	50.0	46.7	
14 Bromomethane	94	2.456	2.462	-0.006	91	124433	50.0	42.2	
15 Chloroethane	64	2.529	2.529	0.000	99	104847	50.0	42.7	
16 Dichlorofluoromethane	67	2.693	2.693	0.000	99	288766	50.0	42.2	
17 Trichlorofluoromethane	101	2.705	2.711	-0.006	99	294083	50.0	42.5	
148 Ethanol	45	2.912	2.876	0.036	77	196363	2000.0	5409.0	E
18 Ethyl ether	59	2.912	2.912	0.000	96	182568	50.0	39.3	
19 Propene oxide	58	2.997	3.003	-0.006	96	330350	NC	NC	
20 Acrolein	56	3.064	3.070	-0.006	99	278435	250.0	248.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	94	218220	50.0	43.5	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	226206	50.0	43.5	
23 Acetone	43	3.180	3.180	0.000	100	532696	250.0	279.4	
24 Isopropyl alcohol	45	3.265	3.265	0.000	35	156196	500.0	364.3	
25 Iodomethane	142	3.277	3.283	-0.006	98	393157	50.0	42.6	
26 Carbon disulfide	76	3.332	3.338	-0.006	99	749250	50.0	44.6	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	77	749082	50.0	78.6	
27 Methyl acetate	43	3.393	3.399	-0.006	98	1515806	250.0	294.2	
29 Acetonitrile	40	3.429	3.435	-0.006	93	206742	500.0	411.3	M
30 Methylene Chloride	84	3.508	3.508	0.000	96	298602	50.0	46.5	
31 2-Methyl-2-propanol	59	3.563	3.569	-0.006	99	286365	500.0	425.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	96	722320	50.0	44.7	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	100	256729	50.0	45.2	
33 Acrylonitrile	53	3.709	3.715	-0.006	99	1144057	500.0	496.6	
35 Hexane	57	3.831	3.831	0.000	94	449951	50.0	44.0	
36 Isopropyl ether	45	3.983	3.983	0.000	91	928175	50.0	43.8	
37 Vinyl acetate	43	4.013	4.013	0.000	97	1615752	100.0	156.5	
39 1,1-Dichloroethane	63	4.025	4.031	-0.006	96	456889	50.0	44.8	
38 1,1-Dimethoxyethane	75	4.056	4.056	0.000	61	209216	250.0	230.7	
40 2-Chloro-1,3-butadiene	53	4.074	4.074	0.000	92	385790	50.0	43.4	
41 Tert-butyl ethyl ether	59	4.256	4.263	-0.007	98	793255	50.0	41.2	
42 Ethyl acetate	43	4.463	4.463	0.000	97	1214515	100.0	288.5	E
44 2,2-Dichloropropane	77	4.463	4.463	0.000	72	324086	50.0	43.7	
43 2-Butanone (MEK)	43	4.463	4.469	-0.006	99	1214515	250.0	415.2	
45 cis-1,2-Dichloroethene	96	4.475	4.476	-0.001	85	272996	50.0	44.9	
46 Propionitrile	54	4.567	4.561	0.006	100	449035	500.0	433.9	
47 Methacrylonitrile	41	4.658	4.652	0.006	95	2052352	500.0	472.5	
48 Chlorobromomethane	128	4.682	4.682	0.000	96	130876	50.0	44.3	
49 Tetrahydrofuran	42	4.701	4.707	-0.006	89	233782	100.0	112.6	
50 Chloroform	83	4.719	4.719	0.000	94	406051	50.0	43.4	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	98	334229	50.0	42.9	
52 Cyclohexane	56	4.889	4.889	0.000	92	447080	50.0	45.4	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	95	338606	50.0	44.5	
55 Carbon tetrachloride	117	4.987	4.987	-0.001	98	289613	50.0	42.9	
53 Isobutyl alcohol	43	5.047	5.047	0.000	94	311769	1250.0	1110.5	
147 t-Amyl alcohol	59	5.114	5.114	0.000	87	316402	500.0	498.7	
152 Isooctane	57	5.126	5.126	0.000	97	1027992	50.0	44.2	
57 Benzene	78	5.163	5.163	0.000	96	1003924	50.0	44.7	
56 Tert-amyl methyl ether	73	5.181	5.175	0.006	97	756389	50.0	43.1	
58 1,2-Dichloroethane	62	5.199	5.199	0.000	96	316678	50.0	42.8	
59 n-Heptane	43	5.254	5.260	-0.006	95	459129	50.0	44.6	
1 1,4-Difluorobenzene	114	5.443	5.443	0.000	94	780314	50.0	42.3	
60 n-Butanol	56	5.595	5.589	0.006	90	173752	1250.0	632.2	
62 Trichloroethene	95	5.686	5.686	0.000	98	248706	50.0	44.2	
137 Ethyl acrylate	55	5.710	5.710	0.000	99	376668	50.0	19.9	
64 Methylcyclohexane	83	5.820	5.820	0.000	91	435148	50.0	45.1	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	95	248981	50.0	45.9	
63 Methyl methacrylate	41	5.917	5.917	0.000	95	681829	100.0	114.8	
66 1,4-Dioxane	88	6.015	6.009	0.006	93	51104	1000.0	995.7	
67 Dibromomethane	93	6.033	6.039	-0.006	96	144373	50.0	45.9	
68 Dichlorobromomethane	83	6.148	6.149	0.000	99	290696	50.0	44.7	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	75	144011	50.0	52.7	
70 2-Nitropropane	43	6.355	6.355	0.000	81	248603	100.0	172.4	
71 Epichlorohydrin	57	6.471	6.471	0.000	99	278513	500.0	536.5	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	393025	50.0	48.1	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	97	1493361	250.0	259.3	
74 Toluene	92	6.818	6.818	0.000	98	625874	50.0	45.5	
75 Ethyl methacrylate	69	7.037	7.037	0.000	82	317165	50.0	49.2	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	93	340236	50.0	47.7	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	92	177095	50.0	46.6	
81 Tetrachloroethene	166	7.341	7.341	0.000	95	255742	50.0	46.2	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	97	370349	50.0	47.2	
80 2-Hexanone	43	7.414	7.414	0.000	97	1107494	250.0	269.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
155 n-Butyl acetate	43	7.493	7.493	0.000	0	352193	50.0	50.0	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	223976	50.0	46.8	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	221636	50.0	47.1	
146 1-Chlorohexane	55	8.120	8.120	0.000	97	244363	50.0	45.6	
85 3-Chlorobenzotrifluoride	180	8.126	8.126	0.000	90	312304	50.0	45.0	
86 4-Chlorobenzotrifluoride	180	8.180	8.180	0.000	95	281715	50.0	43.4	
87 Chlorobenzene	112	8.223	8.223	0.000	97	661160	50.0	43.9	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1105722	50.0	44.4	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	96	216019	50.0	44.5	
90 m-Xylene & p-Xylene	106	8.399	8.406	-0.007	99	445195	50.0	41.6	
91 o-Xylene	106	8.831	8.837	-0.006	96	420148	50.0	43.5	
92 Styrene	104	8.856	8.856	0.000	95	707490	50.0	45.5	
93 2-Chlorobenzotrifluoride	180	9.111	9.111	0.000	94	287898	50.0	42.8	
95 Bromoform	173	9.136	9.129	0.007	94	114288	50.0	44.9	
94 Isopropylbenzene	105	9.202	9.202	0.000	96	1042797	50.0	45.4	
96 Cyclohexanone	55	9.403	9.403	0.000	93	88517	500.0	468.2	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	95	279742	50.0	50.0	
101 Bromobenzene	156	9.586	9.586	0.000	93	262645	50.0	44.8	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	59	101775	50.0	52.3	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	1270407	50.0	46.7	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	82	86955	50.0	47.7	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	265505	50.0	46.8	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	95	867026	50.0	44.8	
104 3-Chlorotoluene	126	9.811	9.811	0.000	97	290125	50.0	45.2	
105 4-Chlorotoluene	126	9.859	9.859	0.000	98	290875	50.0	48.4	
106 tert-Butylbenzene	134	10.115	10.115	0.000	93	197804	50.0	45.1	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	886189	50.0	44.4	
108 Pentachloroethane	167	10.188	10.188	0.000	92	131883	50.0	61.5	
109 sec-Butylbenzene	105	10.316	10.316	0.000	94	1143897	50.0	46.4	
110 4-Isopropyltoluene	119	10.443	10.444	-0.001	97	1004163	50.0	47.0	
111 1,3-Dichlorobenzene	146	10.474	10.480	-0.006	98	512969	50.0	45.3	
114 Dicyclopentadiene	66	10.553	10.553	0.000	97	1096750	50.0	44.9	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	513035	50.0	44.7	
112 1,2,3-Trimethylbenzene	105	10.571	10.571	0.000	98	921128	50.0	42.8	
150 Benzyl chloride	126	10.687	10.687	0.000	98	115553	50.0	60.8	
115 n-Butylbenzene	91	10.815	10.815	0.000	98	896871	50.0	48.2	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	98	476442	50.0	45.0	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	85	48650	50.0	51.2	
118 1,3,5-Trichlorobenzene	180	11.709	11.709	0.000	97	311895	50.0	45.8	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	95	270763	50.0	46.8	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	94	112513	50.0	44.0	
121 Naphthalene	128	12.445	12.445	0.000	97	876799	50.0	46.8	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	247628	50.0	45.9	
149 2-Methylnaphthalene	142	13.491	13.491	0.000	93	528244	50.0	50.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

F 8260 SURR_00130	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00401	Amount Added:	1.00	Units: uL	Run Reagent

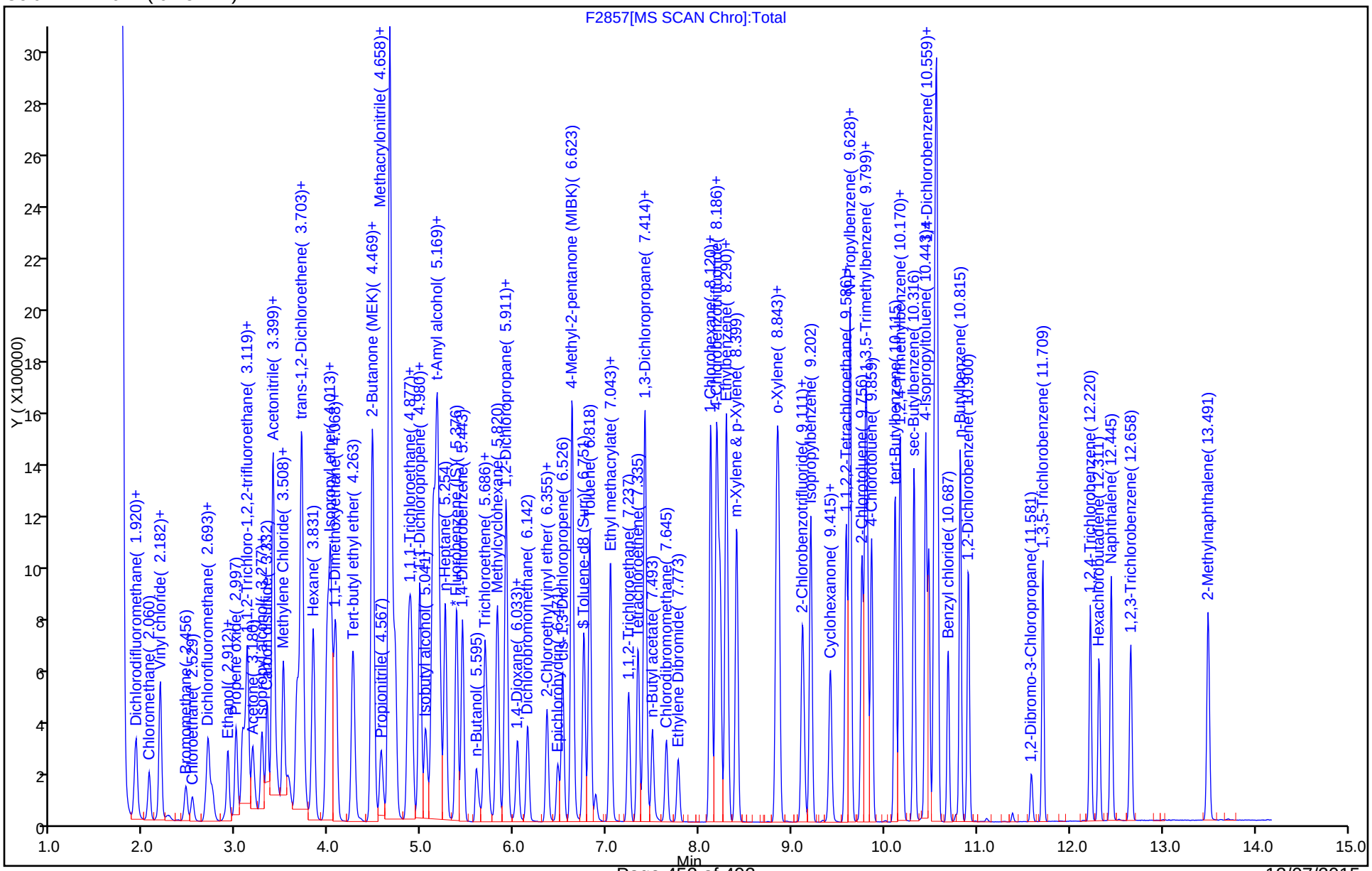
Report Date: 27-Nov-2015 22:12:14 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151127-48754.b\F2857.D

Injection Date:	27-Nov-2015 21:00:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	LCSD 480-277152/2-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-277359/10-A

Matrix: Solid | Lab File ID: T2459.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 4.98(g) | Date Analyzed: 11/30/2015 12:40

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277335 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2410		100	28
79-34-5	1,1,2,2-Tetrachloroethane	2250		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2510		100	50
79-00-5	1,1,2-Trichloroethane	2470		100	21
75-34-3	1,1-Dichloroethane	2540		100	31
75-35-4	1,1-Dichloroethene	2450		100	35
120-82-1	1,2,4-Trichlorobenzene	2360		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	1990		100	50
95-50-1	1,2-Dichlorobenzene	2290		100	26
107-06-2	1,2-Dichloroethane	2430		100	41
78-87-5	1,2-Dichloropropane	2300		100	16
541-73-1	1,3-Dichlorobenzene	2300		100	27
106-46-7	1,4-Dichlorobenzene	2280		100	14
78-93-3	2-Butanone (MEK)	21500		500	300
591-78-6	2-Hexanone	12200		500	210
108-10-1	4-Methyl-2-pentanone (MIBK)	11500		500	32
67-64-1	Acetone	13300		500	410
71-43-2	Benzene	2460		100	19
75-25-2	Bromoform	1930		100	50
74-83-9	Bromomethane	1750		100	22
75-15-0	Carbon disulfide	2350		100	46
56-23-5	Carbon tetrachloride	2290		100	26
108-90-7	Chlorobenzene	2360		100	13
124-48-1	Dibromochloromethane	2020		100	49
75-00-3	Chloroethane	1290		100	21
67-66-3	Chloroform	2410		100	69
74-87-3	Chloromethane	2400		100	24
156-59-2	cis-1,2-Dichloroethene	2250		100	28
110-82-7	Cyclohexane	2360		100	22
75-27-4	Bromodichloromethane	2200		100	20
75-71-8	Dichlorodifluoromethane	2590		100	44
100-41-4	Ethylbenzene	2470		100	29
106-93-4	1,2-Dibromoethane	2420		100	18
98-82-8	Isopropylbenzene	2410		100	15
79-20-9	Methyl acetate	14300		100	48

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-277359/10-A

Matrix: Solid | Lab File ID: T2459.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 4.98(g) | Date Analyzed: 11/30/2015 12:40

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277335 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	2400		100	38
108-87-2	Methylcyclohexane	2550		100	47
75-09-2	Methylene Chloride	2480		100	20
127-18-4	Tetrachloroethene	2530		100	13
108-88-3	Toluene	2440		100	27
156-60-5	trans-1,2-Dichloroethene	2410		100	24
10061-02-6	trans-1,3-Dichloropropene	2330		100	9.9
79-01-6	Trichloroethene	2310		100	28
75-69-4	Trichlorofluoromethane	2260		100	47
75-01-4	Vinyl chloride	2540		100	34
1330-20-7	Xylenes, Total	4610		200	56
10061-01-5	cis-1,3-Dichloropropene	2360		100	24
100-42-5	Styrene	2360		100	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
2037-26-5	Toluene-d8 (Surr)	99		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2459.D
Lims ID: LCSD 480-277359/10-A
Client ID:
Sample Type: LCSD
Inject. Date: 30-Nov-2015 12:40:30 ALS Bottle#: 39 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD 480-277359/10-A
Misc. Info.: 480-0048781-008
Operator ID: gtg Instrument ID: HP5975T

Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Nov-2015 14:06:55 Calib Date: 20-Oct-2015 21:57:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151020-47466.b\T0358.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: sobolr Date: 30-Nov-2015 16:10:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.346	4.346	0.000	99	130132	25.0	25.0	
* 2 Chlorobenzene-d5	117	6.626	6.626	0.000	87	510759	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.481	8.481	0.000	91	268362	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	3.880	3.880	0.000	93	171438	25.0	23.8	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.128	4.128	0.000	0	188852	25.0	26.1	
$ 6 Toluene-d8 (Surr)	98	5.517	5.517	0.000	94	640019	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	7.559	7.558	0.001	90	201805	25.0	24.3	
11 Dichlorodifluoromethane	85	0.988	0.999	-0.011	100	236626	25.0	25.8	
12 Chlorodifluoromethane	51	0.999	0.999	0.000	99	260864	25.0	34.3	
13 Chloromethane	50	1.092	1.092	0.000	100	280686	25.0	23.9	
151 Butadiene	54	1.175	1.185	-0.010	100	246493	25.0	24.9	
14 Vinyl chloride	62	1.185	1.185	0.000	99	243286	25.0	25.3	
15 Bromomethane	94	1.382	1.392	-0.010	91	85049	25.0	17.4	
16 Chloroethane	64	1.434	1.444	-0.010	92	56413	25.0	12.8	
18 Dichlorofluoromethane	67	1.631	1.641	-0.010	97	247091	25.0	21.7	
17 Trichlorofluoromethane	101	1.631	1.652	-0.021	74	241709	25.0	22.5	
19 Ethyl ether	59	1.848	1.848	0.000	93	144941	25.0	23.9	
148 Ethanol	45	1.848	1.869	-0.021	82	166764	1000.0	2291.6	
84 Propene oxide	58	1.921	1.921	0.000	95	184009	NC	NC	
21 Acrolein	56	2.014	2.014	0.000	99	162255	125.0	213.4	
22 1,1-Dichloroethene	96	2.025	2.035	-0.010	99	190952	25.0	24.4	
20 1,1,2-Trichloro-1,2,2-trif	101	2.045	2.056	-0.011	95	199256	25.0	25.0	
23 Acetone	43	2.159	2.159	0.000	77	273428	125.0	132.6	
24 Iodomethane	142	2.159	2.170	-0.011	100	335119	25.0	22.8	
25 Carbon disulfide	76	2.180	2.190	-0.010	100	629342	25.0	23.4	
26 Isopropyl alcohol	45	2.356	2.325	0.031	36	137654	250.0	271.0	
27 3-Chloro-1-propene	41	2.356	2.356	0.000	88	350334	25.0	22.0	
28 Methyl acetate	43	2.408	2.408	0.000	99	894632	125.0	142.6	
29 Acetonitrile	40	2.439	2.418	0.021	98	155006	250.0	299.8	
30 Methylene Chloride	84	2.481	2.491	-0.010	97	211824	25.0	24.7	
32 trans-1,2-Dichloroethene	96	2.667	2.677	-0.010	99	211977	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 2-Methyl-2-propanol	59	2.688	2.677	0.011	42	180537	250.0	264.6	
33 Methyl tert-butyl ether	73	2.688	2.688	0.000	98	514590	25.0	23.9	
34 Acrylonitrile	53	2.740	2.740	0.000	97	719675	250.0	255.8	
35 Hexane	57	2.833	2.843	-0.010	95	328312	25.0	27.0	
36 1,1-Dichloroethane	63	3.030	3.040	-0.010	97	372300	25.0	25.3	
37 Isopropyl ether	45	3.061	3.061	0.000	93	761914	25.0	24.1	
38 2-Chloro-1,3-butadiene	53	3.082	3.082	0.000	93	323949	25.0	25.5	
139 Halothane	117	3.092	3.092	0.000	61	144783	25.0	23.0	
39 Vinyl acetate	43	3.092	3.092	0.000	97	1242565	50.0	68.4	
40 1,1-Dimethoxyethane	75	3.134	3.123	0.011	93	162909	125.0	114.2	
41 Tert-butyl ethyl ether	59	3.351	3.341	0.010	99	618021	25.0	22.9	
42 2,2-Dichloropropane	77	3.475	3.475	0.000	92	277166	25.0	23.6	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.000	83	222686	25.0	22.4	
44 2-Butanone (MEK)	43	3.558	3.548	0.010	99	727000	125.0	214.6	
45 Ethyl acetate	43	3.558	3.569	-0.011	97	727945	50.0	121.9	
46 Propionitrile	54	3.641	3.631	0.010	99	270406	250.0	246.2	
47 Chlorobromomethane	128	3.693	3.693	0.000	93	105451	25.0	22.0	
48 Tetrahydrofuran	42	3.714	3.714	0.000	31	165640	50.0	64.6	
49 Methacrylonitrile	41	3.714	3.714	0.000	97	1380875	250.0	246.6	
50 Chloroform	83	3.755	3.755	0.000	95	344271	25.0	24.0	
51 1,1,1-Trichloroethane	97	3.849	3.848	0.001	97	296581	25.0	24.0	
52 Cyclohexane	56	3.838	3.848	-0.010	93	379905	25.0	23.5	
53 Carbon tetrachloride	117	3.952	3.952	0.000	99	250864	25.0	22.8	
54 1,1-Dichloropropene	75	3.963	3.962	0.001	92	266174	25.0	24.9	
55 Benzene	78	4.128	4.128	0.000	97	781889	25.0	24.5	
152 Isooctane	57	4.128	4.128	0.000	78	817989	25.0	27.2	
56 Isobutyl alcohol	43	4.201	4.180	0.021	60	441839	625.0	1396.8	
57 1,2-Dichloroethane	62	4.191	4.190	0.001	96	258235	25.0	24.2	
58 Tert-amyl methyl ether	73	4.211	4.211	0.000	97	613597	25.0	23.8	
147 t-Amyl alcohol	59	4.232	4.222	0.010	75	153449	250.0	242.9	
59 n-Heptane	43	4.273	4.273	0.000	96	417449	25.0	26.1	
1 1,4-Difluorobenzene	114	4.439	4.439	0.000	94	605787	25.0	24.4	
141 2,4,4-Trimethyl-1-pentene	55	4.533	4.532	0.000	97	158408	NC	NC	
60 Trichloroethene	95	4.605	4.605	0.000	99	207140	25.0	23.0	
61 n-Butanol	56	4.698	4.667	0.031	65	257315	625.0	1361.3	
62 Methylcyclohexane	83	4.698	4.709	-0.011	95	363768	25.0	25.4	
140 2,4,4-Trimethyl-2-pentene	97	4.719	4.719	0.000	95	443885	NC	NC	
142 Ethyl acrylate	55	4.719	4.719	0.000	98	957309	25.0	36.3	
63 1,2-Dichloropropane	63	4.802	4.802	0.000	93	194205	25.0	22.9	
64 Methyl methacrylate	41	4.895	4.895	0.000	95	363693	50.0	45.6	
65 Dibromomethane	93	4.906	4.906	0.000	97	120188	25.0	24.5	
66 1,4-Dioxane	88	4.926	4.926	0.000	88	40465	500.0	633.1	
67 Dichlorobromomethane	83	5.030	5.030	0.000	99	235255	25.0	21.9	
68 2-Nitropropane	43	5.248	5.237	0.011	98	157123	50.0	63.0	
69 2-Chloroethyl vinyl ether	63	5.258	5.258	0.000	94	120066	25.0	23.1	
70 Epichlorohydrin	57	5.320	5.320	0.000	98	164528	250.0	230.7	
71 cis-1,3-Dichloropropene	75	5.351	5.351	0.000	93	302556	25.0	23.5	
72 4-Methyl-2-pentanone (MIBK	43	5.476	5.475	0.001	99	942103	125.0	114.4	
73 Toluene	92	5.569	5.569	0.000	98	496382	25.0	24.3	
75 trans-1,3-Dichloropropene	75	5.786	5.786	0.000	96	252766	25.0	23.3	
77 Ethyl methacrylate	69	5.828	5.828	0.000	92	216112	25.0	22.6	
78 1,1,2-Trichloroethane	83	5.921	5.931	-0.010	91	146923	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 Tetrachloroethene	166	5.963	5.963	0.000	97	223604	25.0	25.2	
80 1,3-Dichloropropane	76	6.046	6.045	0.001	95	288811	25.0	25.3	
81 2-Hexanone	43	6.108	6.108	0.000	99	623932	125.0	121.6	
155 n-Butyl acetate	43	6.191	6.191	0.000	97	262926	25.0	23.8	
82 Chlorodibromomethane	129	6.222	6.222	0.000	91	169278	25.0	20.1	
83 Ethylene Dibromide	107	6.294	6.294	0.000	96	177317	25.0	24.1	
146 1-Chlorohexane	55	6.615	6.615	0.000	96	211745	25.0	26.0	
85 3-Chlorobenzotrifluoride	180	6.636	6.636	0.000	92	286696	25.0	24.8	
86 Chlorobenzene	112	6.647	6.646	0.001	95	537730	25.0	23.5	
87 4-Chlorobenzotrifluoride	180	6.688	6.678	0.010	96	285463	25.0	25.6	
88 Ethylbenzene	91	6.719	6.719	0.000	99	945010	25.0	24.6	
89 1,1,1,2-Tetrachloroethane	131	6.729	6.729	0.000	94	186158	25.0	22.6	
90 m-Xylene & p-Xylene	106	6.812	6.812	0.000	0	353884	25.0	22.8	
91 o-Xylene	106	7.123	7.123	0.000	98	358052	25.0	23.1	
92 Styrene	104	7.154	7.154	0.000	96	593447	25.0	23.5	
93 Bromoform	173	7.331	7.330	0.001	98	92368	25.0	19.3	
94 2-Chlorobenzotrifluoride	180	7.362	7.362	0.000	97	285424	25.0	24.4	
95 Isopropylbenzene	105	7.413	7.413	0.000	96	926738	25.0	24.0	
96 Cyclohexanone	55	7.548	7.548	0.000	96	63968	250.0	269.7	
97 Bromobenzene	156	7.673	7.672	0.000	93	229733	25.0	22.0	
98 1,1,2,2-Tetrachloroethane	83	7.724	7.724	0.000	94	204371	25.0	22.4	
99 N-Propylbenzene	91	7.745	7.745	0.000	100	1125279	25.0	24.1	
100 1,2,3-Trichloropropane	110	7.745	7.745	0.000	83	66830	25.0	25.8	
101 trans-1,4-Dichloro-2-buten	53	7.766	7.766	0.000	87	55440	25.0	18.3	
105 2-Chlorotoluene	126	7.818	7.818	0.000	96	219560	25.0	22.9	
103 3-Chlorotoluene	126	7.869	7.869	0.000	98	243892	25.0	24.4	
104 1,3,5-Trimethylbenzene	105	7.880	7.890	-0.010	95	785886	25.0	23.5	
102 4-Chlorotoluene	91	7.911	7.911	0.000	98	755803	25.0	23.7	
106 tert-Butylbenzene	134	8.139	8.139	0.000	94	173673	25.0	23.8	
107 1,2,4-Trimethylbenzene	105	8.191	8.191	0.000	96	793286	25.0	23.0	
108 Pentachloroethane	167	8.191	8.191	0.000	44	116777	25.0	25.4	
109 sec-Butylbenzene	105	8.315	8.315	0.000	94	1024564	25.0	23.3	
110 1,3-Dichlorobenzene	146	8.429	8.429	0.000	99	453698	25.0	22.9	
111 4-Isopropyltoluene	119	8.439	8.439	0.000	97	878940	25.0	23.8	
112 Dicyclopentadiene	66	8.481	8.481	0.000	96	1023184	25.0	24.4	
113 1,4-Dichlorobenzene	146	8.502	8.501	0.001	95	449834	25.0	22.7	
114 1,2,3-Trimethylbenzene	105	8.533	8.533	0.000	98	837538	25.0	23.8	
150 Benzyl chloride	126	8.636	8.636	0.000	99	72972	25.0	19.8	
115 n-Butylbenzene	91	8.771	8.771	0.000	98	821014	25.0	24.4	
116 1,2-Dichlorobenzene	146	8.802	8.802	0.000	98	435831	25.0	22.8	
117 1,2-Dibromo-3-Chloropropan	75	9.476	9.476	0.000	81	28726	25.0	19.8	
118 1,3,5-Trichlorobenzene	180	9.600	9.600	0.000	98	349686	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	10.118	10.118	0.000	95	316305	25.0	23.5	
120 Hexachlorobutadiene	225	10.232	10.232	0.000	98	155642	25.0	26.6	
121 Naphthalene	128	10.325	10.325	0.000	97	691632	25.0	21.5	
122 1,2,3-Trichlorobenzene	180	10.522	10.522	0.000	96	296051	25.0	22.6	
149 2-Methylnaphthalene	142	11.227	11.227	0.000	92	418658	25.0	20.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

T_8260_Surr_00116	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00117	Amount Added:	1.00	Units: uL	Run Reagent

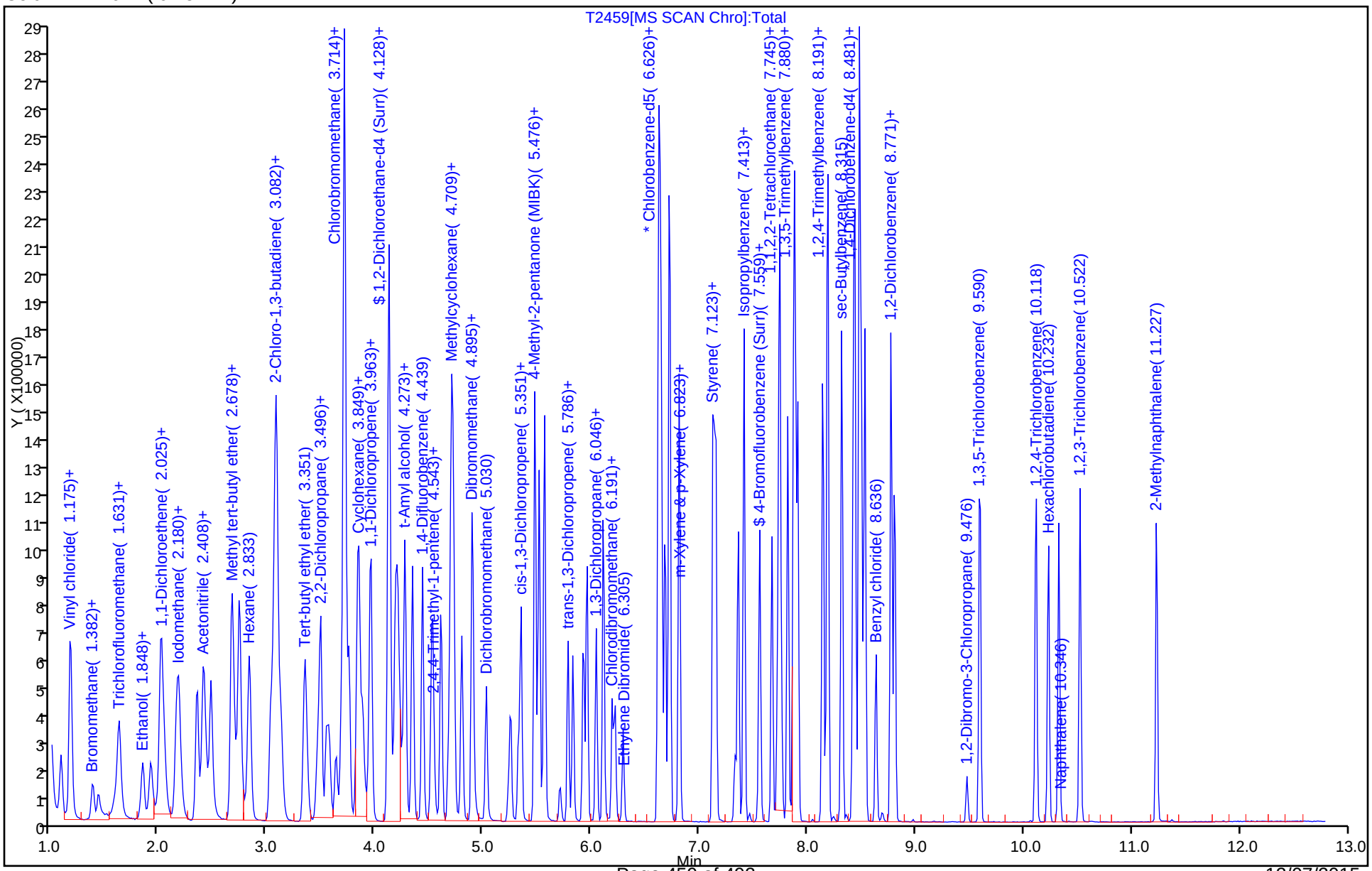
Report Date: 30-Nov-2015 16:10:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151130-48781.b\T2459.D

Injection Date:	30-Nov-2015 12:40:30	Instrument ID:	HP5975T	Operator ID:	gtg
Lims ID:	LCSD 480-277359/10-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S1 MS | Lab Sample ID: 480-91710-2 MS

Matrix: Solid | Lab File ID: N5080.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:15

Sample wt/vol: 5.14(g) | Date Analyzed: 12/01/2015 06:17

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Medium

Analysis Batch No.: 277493 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2830		540	150
79-34-5	1,1,2,2-Tetrachloroethane	2020		540	88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2890		540	270
79-00-5	1,1,2-Trichloroethane	2260		540	110
75-34-3	1,1-Dichloroethane	6220		540	170
75-35-4	1,1-Dichloroethene	2740		540	190
120-82-1	1,2,4-Trichlorobenzene	2400		540	210
96-12-8	1,2-Dibromo-3-Chloropropane	1590		540	270
95-50-1	1,2-Dichlorobenzene	2400		540	140
107-06-2	1,2-Dichloroethane	2690		540	220
78-87-5	1,2-Dichloropropane	2310		540	88
541-73-1	1,3-Dichlorobenzene	2410		540	140
106-46-7	1,4-Dichlorobenzene	2390		540	76
78-93-3	2-Butanone (MEK)	9450		2700	1600
591-78-6	2-Hexanone	8890		2700	1100
108-10-1	4-Methyl-2-pentanone (MIBK)	9750		2700	170
67-64-1	Acetone	12400		2700	2200
71-43-2	Benzene	2580		540	100
75-25-2	Bromoform	2640		540	270
74-83-9	Bromomethane	2270		540	120
75-15-0	Carbon disulfide	2150		540	250
56-23-5	Carbon tetrachloride	3120		540	140
108-90-7	Chlorobenzene	2480		540	72
124-48-1	Dibromochloromethane	2670		540	260
75-00-3	Chloroethane	1650		540	110
67-66-3	Chloroform	2690		540	370
74-87-3	Chloromethane	2320		540	130
156-59-2	cis-1,2-Dichloroethene	17000		540	150
110-82-7	Cyclohexane	2120		540	120
75-27-4	Bromodichloromethane	2530		540	110
75-71-8	Dichlorodifluoromethane	3250		540	240
100-41-4	Ethylbenzene	2420		540	160
106-93-4	1,2-Dibromoethane	2600		540	95
98-82-8	Isopropylbenzene	2180		540	81
79-20-9	Methyl acetate	11700		540	260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S1 MS | Lab Sample ID: 480-91710-2 MS

Matrix: Solid | Lab File ID: N5080.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:15

Sample wt/vol: 5.14(g) | Date Analyzed: 12/01/2015 06:17

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Medium

Analysis Batch No.: 277493 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	2310		540	200
108-87-2	Methylcyclohexane	2750		540	250
75-09-2	Methylene Chloride	2340		540	110
127-18-4	Tetrachloroethene	3410		540	73
108-88-3	Toluene	5840		540	150
156-60-5	trans-1,2-Dichloroethene	2820		540	130
10061-02-6	trans-1,3-Dichloropropene	2070		540	53
79-01-6	Trichloroethene	6290		540	150
75-69-4	Trichlorofluoromethane	3260		540	250
75-01-4	Vinyl chloride	2170		540	180
1330-20-7	Xylenes, Total	4410		1100	300
10061-01-5	cis-1,3-Dichloropropene	2500		540	130
100-42-5	Styrene	2210		540	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		53-146
460-00-4	4-Bromofluorobenzene (Surr)	103		49-148
2037-26-5	Toluene-d8 (Surr)	90		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5080.D
Lims ID: 480-91710-A-2-C MS
Client ID:
Sample Type: MS
Inject. Date: 01-Dec-2015 06:17:30 ALS Bottle#: 75 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-91710-A-2-C MS
Misc. Info.: 480-0048811-024
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Dec-2015 11:31:29 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: goliszekg Date: 01-Dec-2015 11:31:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.598	5.599	-0.001	99	85419	5.00	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	325979	5.00	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	176828	5.00	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	122372	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	348201	25.0	22.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	94	120779	25.0	25.8	
11 Dichlorodifluoromethane	85	1.376	1.370	0.006	99	27865	5.00	6.00	
13 Chloromethane	50	1.547	1.535	0.012	99	23767	5.00	4.28	
14 Vinyl chloride	62	1.650	1.644	0.006	98	19576	5.00	3.99	
15 Bromomethane	94	1.979	1.979	0.000	92	10110	5.00	4.19	
16 Chloroethane	64	2.094	2.088	0.006	92	8794	5.00	3.04	
18 Trichlorofluoromethane	101	2.313	2.319	-0.006	81	31783	5.00	6.01	
22 1,1-Dichloroethene	96	2.824	2.818	0.006	97	20338	5.00	5.05	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.843	-0.006	58	18132	5.00	5.32	
23 Acetone	43	2.928	2.922	0.006	99	34521	25.0	22.9	
25 Carbon disulfide	76	3.031	3.019	0.012	99	48766	5.00	3.97	
28 Methyl acetate	43	3.232	3.226	0.006	98	108982	25.0	21.7	
30 Methylene Chloride	84	3.329	3.323	0.006	94	21260	5.00	4.32	
32 Methyl tert-butyl ether	73	3.560	3.554	0.006	98	59211	5.00	4.26	
33 trans-1,2-Dichloroethene	96	3.573	3.567	0.006	99	22560	5.00	5.19	
36 1,1-Dichloroethane	63	3.986	3.980	0.006	97	94041	5.00	11.5	
43 cis-1,2-Dichloroethene	96	4.540	4.534	0.006	82	144159	5.00	31.3	
44 2-Butanone (MEK)	43	4.570	4.558	0.012	100	48054	25.0	17.4	M
50 Chloroform	83	4.850	4.844	0.006	95	37095	5.00	4.95	
51 1,1,1-Trichloroethane	97	4.978	4.972	0.006	98	29107	5.00	5.21	
52 Cyclohexane	56	5.002	5.002	0.000	46	27957	5.00	3.91	
53 Carbon tetrachloride	117	5.124	5.124	0.000	96	27373	5.00	5.76	
55 Benzene	78	5.331	5.331	0.000	96	80951	5.00	4.76	
57 1,2-Dichloroethane	62	5.386	5.380	0.006	99	33587	5.00	4.96	
60 Trichloroethene	95	5.945	5.945	0.000	93	49531	5.00	11.6	
62 Methylcyclohexane	83	6.079	6.079	0.000	92	36279	5.00	5.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	6.176	6.170	0.006	83	17203	5.00	4.25	
67 Dichlorobromomethane	83	6.456	6.456	0.000	98	22271	5.00	4.66	
71 cis-1,3-Dichloropropene	75	6.882	6.876	0.006	92	26679	5.00	4.62	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	97	39848	25.0	18.0	
73 Toluene	92	7.186	7.180	0.006	98	123950	5.00	10.8	
75 trans-1,3-Dichloropropene	75	7.448	7.442	0.006	98	21259	5.00	3.81	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	92	13594	5.00	4.16	
79 Tetrachloroethene	166	7.722	7.722	0.000	97	32690	5.00	6.28	
82 2-Hexanone	43	7.862	7.856	0.006	97	65183	25.0	16.4	
83 Chlorodibromomethane	129	8.032	8.032	0.000	88	16821	5.00	4.93	
84 Ethylene Dibromide	107	8.141	8.141	0.000	94	19041	5.00	4.79	
85 Chlorobenzene	112	8.634	8.628	0.006	98	56650	5.00	4.57	
88 Ethylbenzene	91	8.725	8.726	-0.001	98	90493	5.00	4.46	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	33715		4.10	
91 o-Xylene	106	9.279	9.273	0.006	95	33514		4.03	
92 Styrene	104	9.303	9.297	0.006	94	51787	5.00	4.07	
93 Bromoform	173	9.541	9.535	0.006	95	9002	5.00	4.87	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	86651	5.00	4.02	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	93	21377	5.00	3.73	
110 1,3-Dichlorobenzene	146	10.909	10.903	0.006	98	46349	5.00	4.45	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	94	47378	5.00	4.40	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	96	43700	5.00	4.43	
117 1,2-Dibromo-3-Chloropropan	75	12.053	12.059	-0.006	82	2428	5.00	2.92	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	24732	5.00	4.42	
S 126 Xylenes, Total	1				0			8.14	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

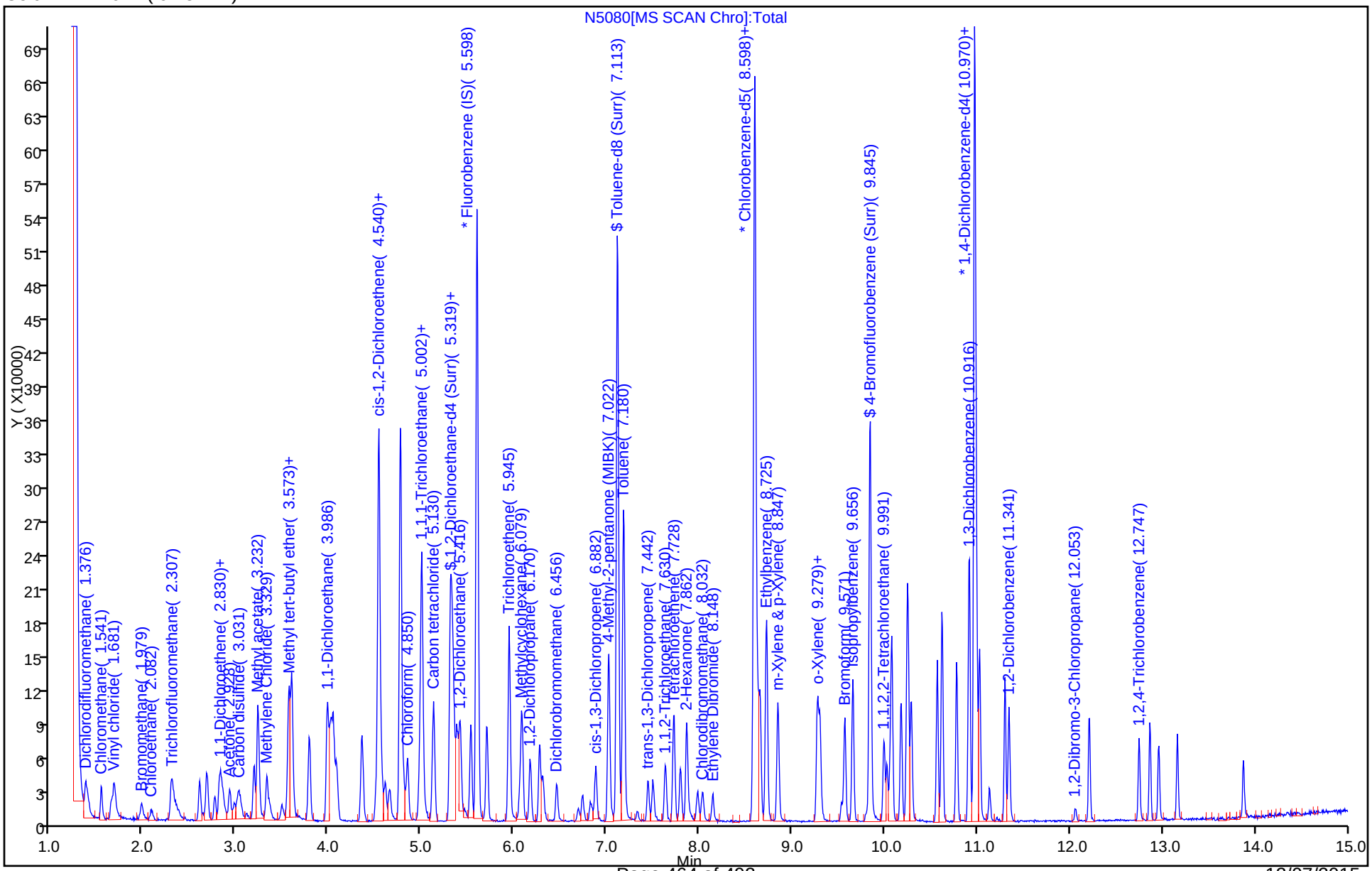
Report Date: 01-Dec-2015 11:31:38 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5080.D

Injection Date:	01-Dec-2015 06:17:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-91710-A-2-C MS			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	75
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

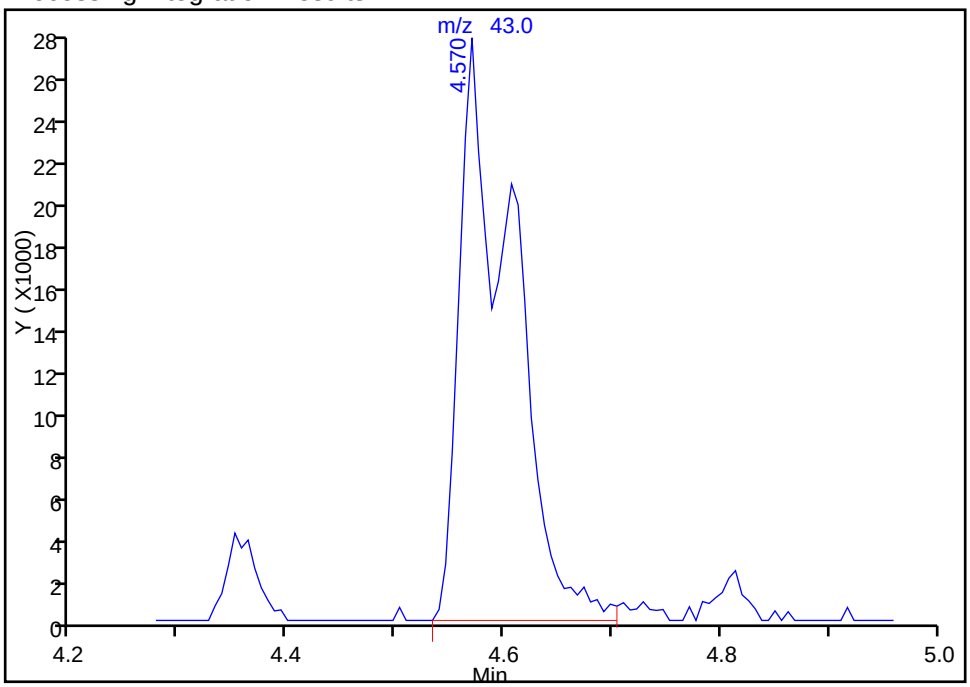
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5080.D
Injection Date: 01-Dec-2015 06:17:30 Instrument ID: HP5973N
Lims ID: 480-91710-A-2-C MS
Client ID:
Operator ID: SO ALS Bottle#: 75 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

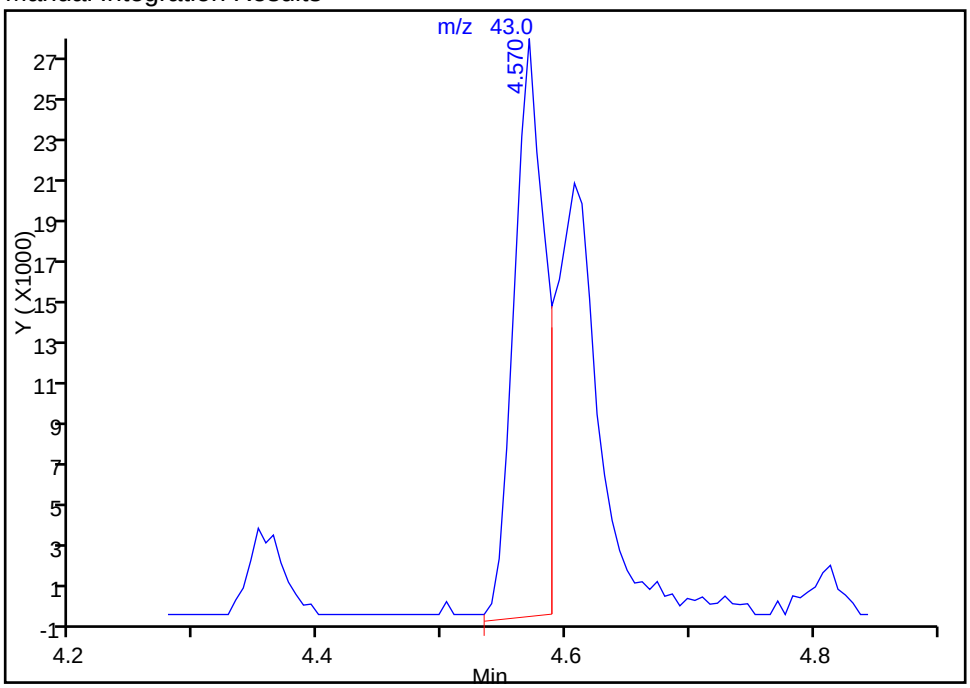
Processing Integration Results

RT: 4.57
Area: 92553
Amount: 33.554537
Amount Units: ug/L



Manual Integration Results

RT: 4.57
Area: 48054
Amount: 17.421690
Amount Units: ug/L



Reviewer: goliszekg, 01-Dec-2015 11:30:53
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S1 MSD | Lab Sample ID: 480-91710-2 MSD

Matrix: Solid | Lab File ID: N5081.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:15

Sample wt/vol: 5.09(g) | Date Analyzed: 12/01/2015 06:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Medium

Analysis Batch No.: 277493 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3160		550	150
79-34-5	1,1,2,2-Tetrachloroethane	1850		550	89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2940		550	270
79-00-5	1,1,2-Trichloroethane	2130		550	110
75-34-3	1,1-Dichloroethane	6070		550	170
75-35-4	1,1-Dichloroethene	2930		550	190
120-82-1	1,2,4-Trichlorobenzene	2540		550	210
96-12-8	1,2-Dibromo-3-Chloropropane	1880		550	270
95-50-1	1,2-Dichlorobenzene	2450		550	140
107-06-2	1,2-Dichloroethane	2740		550	220
78-87-5	1,2-Dichloropropane	2460		550	89
541-73-1	1,3-Dichlorobenzene	2440		550	150
106-46-7	1,4-Dichlorobenzene	2520		550	77
78-93-3	2-Butanone (MEK)	9710		2700	1600
591-78-6	2-Hexanone	7960		2700	1100
108-10-1	4-Methyl-2-pentanone (MIBK)	9320		2700	180
67-64-1	Acetone	14200		2700	2200
71-43-2	Benzene	2650		550	100
75-25-2	Bromoform	2600		550	270
74-83-9	Bromomethane	2100		550	120
75-15-0	Carbon disulfide	2360		550	250
56-23-5	Carbon tetrachloride	3180		550	140
108-90-7	Chlorobenzene	2500		550	72
124-48-1	Dibromochloromethane	2580		550	260
75-00-3	Chloroethane	1510		550	110
67-66-3	Chloroform	2820		550	380
74-87-3	Chloromethane	1980		550	130
156-59-2	cis-1,2-Dichloroethene	15200		550	150
110-82-7	Cyclohexane	2570		550	120
75-27-4	Bromodichloromethane	2880		550	110
75-71-8	Dichlorodifluoromethane	2740		550	240
100-41-4	Ethylbenzene	2330		550	160
106-93-4	1,2-Dibromoethane	2340		550	96
98-82-8	Isopropylbenzene	2160		550	82
79-20-9	Methyl acetate	12500		550	260

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-1

SDG No.:

Client Sample ID: B23-AREA2-S1 MSD | Lab Sample ID: 480-91710-2 MSD

Matrix: Solid | Lab File ID: N5081.D

Analysis Method: 8260C | Date Collected: 11/23/2015 12:15

Sample wt/vol: 5.09(g) | Date Analyzed: 12/01/2015 06:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Medium

Analysis Batch No.: 277493 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	2440		550	210
108-87-2	Methylcyclohexane	2940		550	260
75-09-2	Methylene Chloride	2660		550	110
127-18-4	Tetrachloroethene	3380		550	74
108-88-3	Toluene	5590		550	150
156-60-5	trans-1,2-Dichloroethene	2910		550	130
10061-02-6	trans-1,3-Dichloropropene	2050		550	54
79-01-6	Trichloroethene	4670		550	150
75-69-4	Trichlorofluoromethane	2620		550	260
75-01-4	Vinyl chloride	1900		550	180
1330-20-7	Xylenes, Total	4500		1100	300
10061-01-5	cis-1,3-Dichloropropene	2630		550	130
100-42-5	Styrene	2190		550	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		53-146
460-00-4	4-Bromofluorobenzene (Surr)	104		49-148
2037-26-5	Toluene-d8 (Surr)	88		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5081.D
Lims ID: 480-91710-A-2-D MSD
Client ID:
Sample Type: MSD
Inject. Date: 01-Dec-2015 06:44:30 ALS Bottle#: 76 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-91710-A-2-D MSD
Misc. Info.: 480-0048811-025
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Dec-2015 11:31:29 Calib Date: 10-Nov-2015 01:27:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151109-48174.b\N4045.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: goliszekg Date: 01-Dec-2015 11:31:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	99	81184	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	326851	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	177690	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	122868	25.0	27.1	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	341115	25.0	22.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	95	122249	25.0	26.1	
11 Dichlorodifluoromethane	85	1.377	1.370	0.007	99	22096	25.0	5.00	
13 Chloromethane	50	1.541	1.535	0.006	99	19102	25.0	3.62	
14 Vinyl chloride	62	1.650	1.644	0.006	97	16151	25.0	3.47	
15 Bromomethane	94	1.985	1.979	0.006	89	8791	25.0	3.83	
16 Chloroethane	64	2.076	2.088	-0.012	96	7576	25.0	2.75	
18 Trichlorofluoromethane	101	2.313	2.319	-0.006	83	24016	25.0	4.78	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	98	20510	25.0	5.36	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.843	-0.006	68	17411	25.0	5.38	
23 Acetone	43	2.928	2.922	0.006	98	37090	125.0	25.9	
25 Carbon disulfide	76	3.031	3.019	0.012	99	50284	25.0	4.30	
28 Methyl acetate	43	3.238	3.226	0.012	98	109150	125.0	22.8	
30 Methylene Chloride	84	3.329	3.323	0.006	96	22215	25.0	4.85	
32 Methyl tert-butyl ether	73	3.567	3.554	0.013	98	58859	25.0	4.46	
33 trans-1,2-Dichloroethene	96	3.573	3.567	0.006	89	21923	25.0	5.31	
36 1,1-Dichloroethane	63	3.986	3.980	0.006	97	86418	25.0	11.1	
43 cis-1,2-Dichloroethene	96	4.540	4.534	0.006	79	121989	25.0	27.8	
44 2-Butanone (MEK)	43	4.570	4.570	0.012	98	46491	125.0	17.7	M
50 Chloroform	83	4.850	4.844	0.006	95	36647	25.0	5.15	
51 1,1,1-Trichloroethane	97	4.984	4.972	0.012	98	30666	25.0	5.78	
52 Cyclohexane	56	5.002	5.002	0.000	47	31989	25.0	4.70	
53 Carbon tetrachloride	117	5.124	5.124	0.000	95	26246	25.0	5.81	
55 Benzene	78	5.331	5.331	0.000	99	78137	25.0	4.84	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	96	32162	25.0	5.00	
60 Trichloroethene	95	5.945	5.945	0.000	96	34649	25.0	8.53	
62 Methylcyclohexane	83	6.085	6.079	0.006	91	36467	25.0	5.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	6.176	6.170	0.006	88	17269	25.0	4.49	
67 Dichlorobromomethane	83	6.462	6.456	0.006	97	23921	25.0	5.27	
71 cis-1,3-Dichloropropene	75	6.882	6.876	0.006	95	26379	25.0	4.80	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.016	0.006	96	37833	125.0	17.0	
73 Toluene	92	7.180	7.180	0.000	99	117976	25.0	10.2	
75 trans-1,3-Dichloropropene	75	7.448	7.442	0.006	94	20931	25.0	3.74	
78 1,1,2-Trichloroethane	83	7.637	7.630	0.007	93	12756	25.0	3.89	
79 Tetrachloroethene	166	7.728	7.722	0.006	98	32228	25.0	6.18	
82 2-Hexanone	43	7.862	7.856	0.006	95	57969	125.0	14.5	
83 Chlorodibromomethane	129	8.038	8.032	0.006	86	16096	25.0	4.71	
84 Ethylene Dibromide	107	8.148	8.141	0.007	99	17030	25.0	4.27	
85 Chlorobenzene	112	8.628	8.628	0.000	95	56733	25.0	4.57	
88 Ethylbenzene	91	8.725	8.726	-0.001	99	86570	25.0	4.26	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	33692		4.09	
91 o-Xylene	106	9.273	9.273	0.000	96	34327		4.12	
92 Styrene	104	9.297	9.297	0.000	94	50941	25.0	4.00	
93 Bromoform	173	9.535	9.535	0.000	95	8789	25.0	4.74	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	85365	25.0	3.94	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	95	19475	25.0	3.38	
110 1,3-Dichlorobenzene	146	10.909	10.903	0.006	98	46596	25.0	4.45	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	92	49893	25.0	4.61	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	98	44346	25.0	4.48	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	74	2981	25.0	3.44	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	26064	25.0	4.64	
S 126 Xylenes, Total	1				0			8.21	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

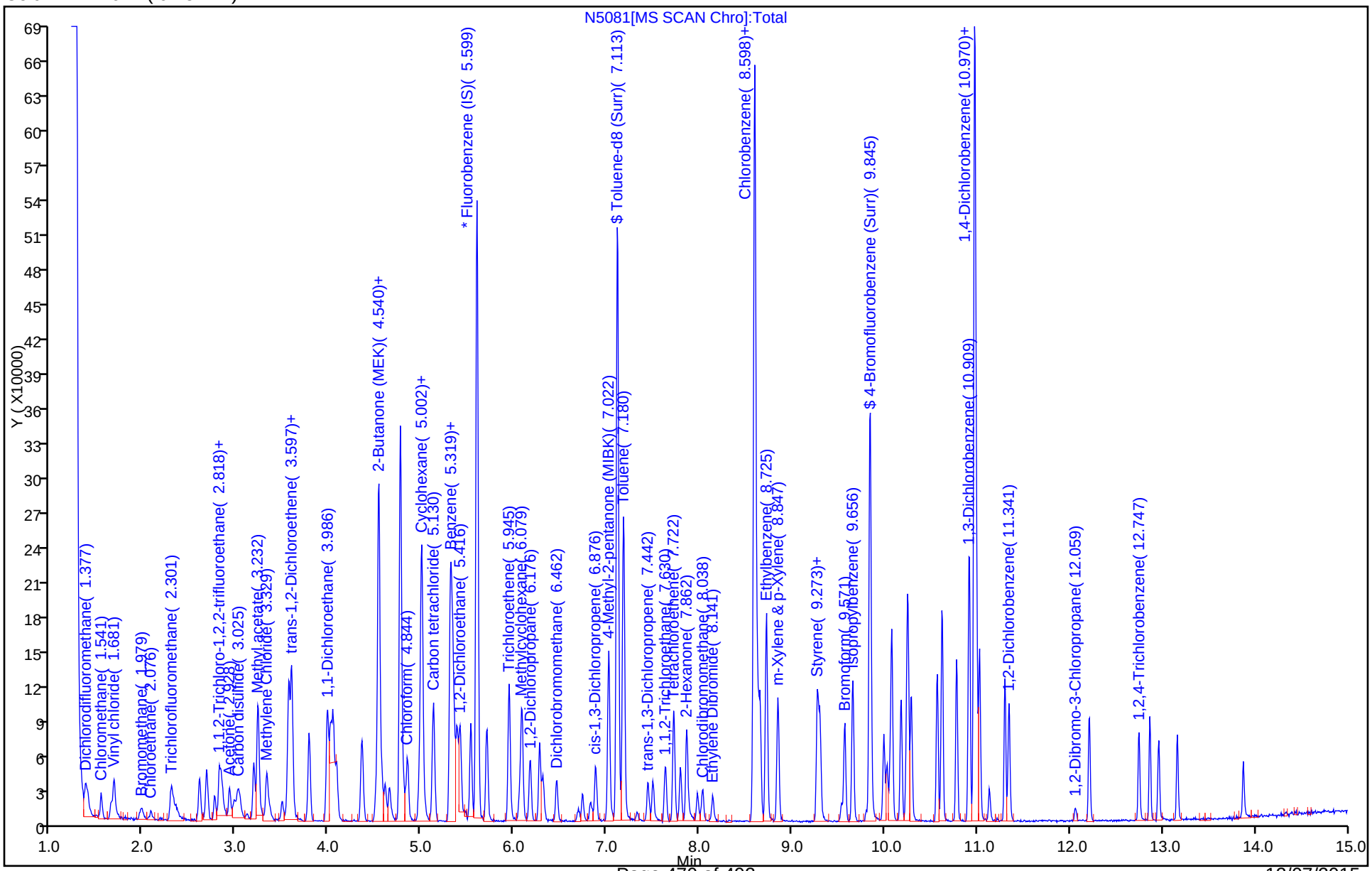
Report Date: 01-Dec-2015 11:31:30 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5081.D

Injection Date:	01-Dec-2015 06:44:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-91710-A-2-D MSD			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	76
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

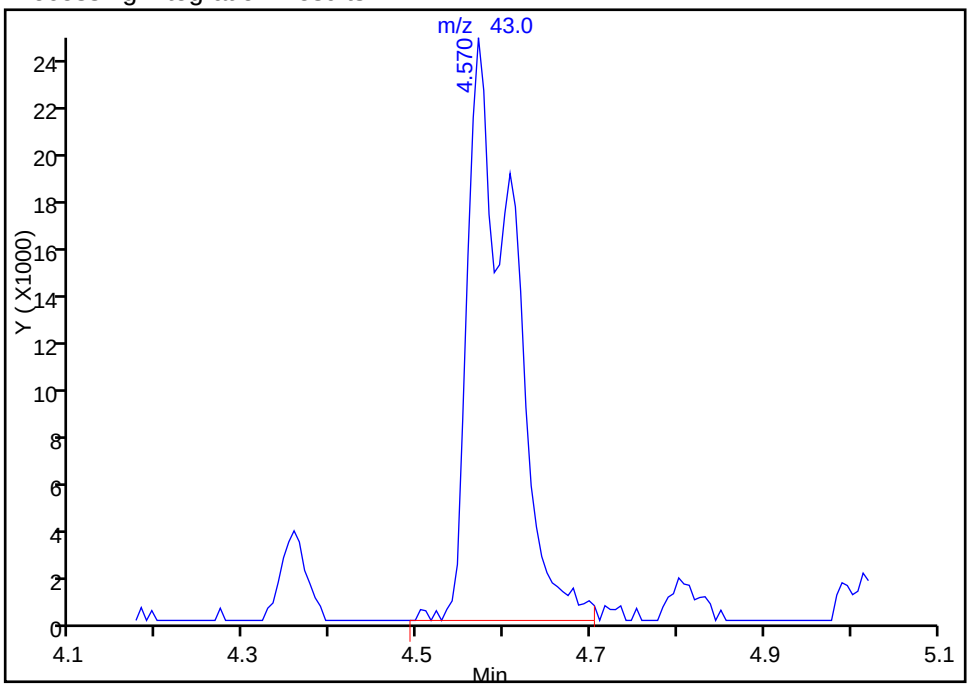
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151130-48811.b\N5081.D
Injection Date: 01-Dec-2015 06:44:30 Instrument ID: HP5973N
Lims ID: 480-91710-A-2-D MSD
Client ID:
Operator ID: SO ALS Bottle#: 76 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

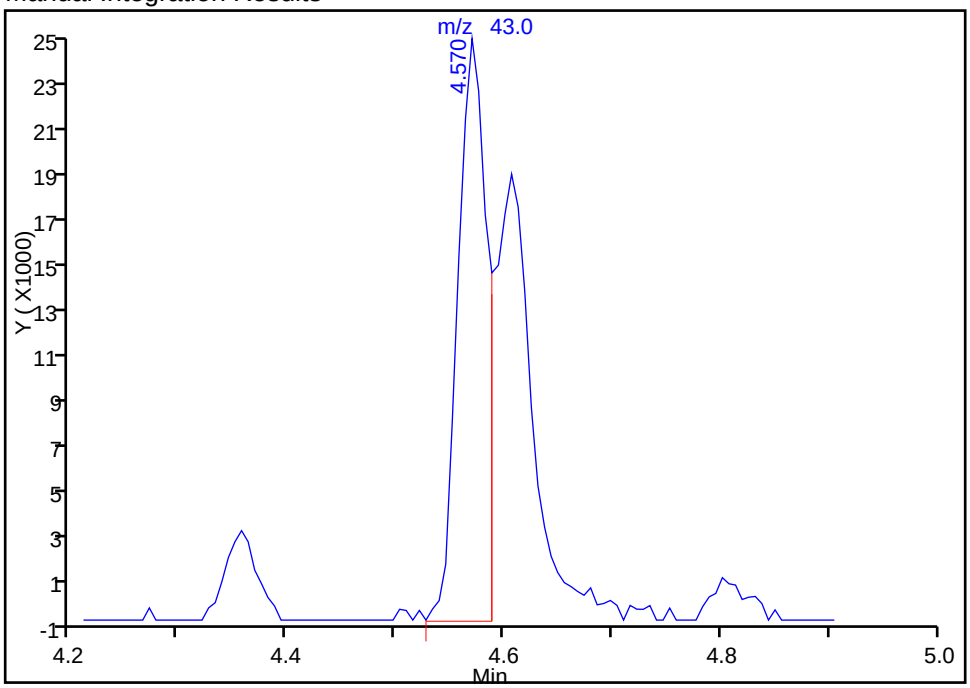
Processing Integration Results

RT: 4.57
Area: 88596
Amount: 33.795502
Amount Units: ug/L



Manual Integration Results

RT: 4.57
Area: 46491
Amount: 17.734284
Amount Units: ug/L



Reviewer: goliszekg, 01-Dec-2015 11:31:28
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973F Start Date: 11/19/2015 03:01

Analysis Batch Number: 275773 End Date: 11/19/2015 12:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-275773/2		11/19/2015 03:01	1	F2486.D	ZB-624 (60) 0.25(mm)
IC 480-275773/4		11/19/2015 03:55	1	F2488.D	ZB-624 (60) 0.25(mm)
IC 480-275773/5		11/19/2015 04:21	1	F2489.D	ZB-624 (60) 0.25(mm)
IC 480-275773/6		11/19/2015 04:47	1	F2490.D	ZB-624 (60) 0.25(mm)
IC 480-275773/7		11/19/2015 05:13	1	F2491.D	ZB-624 (60) 0.25(mm)
ICIS 480-275773/8		11/19/2015 05:38	1	F2492.D	ZB-624 (60) 0.25(mm)
IC 480-275773/9		11/19/2015 06:04	1	F2493.D	ZB-624 (60) 0.25(mm)
IC 480-275773/10		11/19/2015 06:30	1	F2494.D	ZB-624 (60) 0.25(mm)
MDLV 480-275773/12		11/19/2015 07:22	1		ZB-624 (60) 0.25(mm)
IC 480-275773/14		11/19/2015 08:14	1		ZB-624 (60) 0.25(mm)
IC 480-275773/15		11/19/2015 08:39	1		ZB-624 (60) 0.25(mm)
IC 480-275773/16		11/19/2015 09:05	1		ZB-624 (60) 0.25(mm)
IC 480-275773/17		11/19/2015 09:31	1		ZB-624 (60) 0.25(mm)
IC 480-275773/18		11/19/2015 09:57	1		ZB-624 (60) 0.25(mm)
IC 480-275773/19		11/19/2015 10:23	1		ZB-624 (60) 0.25(mm)
IC 480-275773/20		11/19/2015 10:49	1		ZB-624 (60) 0.25(mm)
MDLV 480-275773/22		11/19/2015 11:40	1		ZB-624 (60) 0.25(mm)
ICV 480-275773/23		11/19/2015 12:06	1		ZB-624 (60) 0.25(mm)
ICV 480-275773/24		11/19/2015 12:32	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973F Start Date: 11/27/2015 07:03

Analysis Batch Number: 277087 End Date: 11/27/2015 18:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277087/3		11/27/2015 07:03	1	F2826.D	ZB-624 (60) 0.25(mm)
CCVIS 480-277087/4		11/27/2015 07:32	1	F2827.D	ZB-624 (60) 0.25(mm)
CCV 480-277087/5		11/27/2015 08:07	1		ZB-624 (60) 0.25(mm)
LCS 480-277064/1-A		11/27/2015 08:33	1	F2829.D	ZB-624 (60) 0.25(mm)
RL 480-277087/7		11/27/2015 08:59	1		ZB-624 (60) 0.25(mm)
MB 480-277064/2-A		11/27/2015 09:24	1	F2831.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 09:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 10:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 10:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 11:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 11:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 12:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 12:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 13:01	1		ZB-624 (60) 0.25(mm)
480-91710-4	B24-AREA2-S1	11/27/2015 14:19	1	F2842.D	ZB-624 (60) 0.25(mm)
480-91710-5	B24-AREA2-S2	11/27/2015 14:45	1	F2843.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 16:29	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 16:55	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 17:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 17:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 18:13	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973F Start Date: 11/27/2015 19:01

Analysis Batch Number: 277216 End Date: 11/28/2015 08:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277216/2		11/27/2015 19:01	1	F2853.D	ZB-624 (60) 0.25(mm)
CCVIS 480-277216/3		11/27/2015 19:31	1	F2854.D	ZB-624 (60) 0.25(mm)
CCV 480-277216/4		11/27/2015 19:57	1		ZB-624 (60) 0.25(mm)
LCS 480-277152/1-A		11/27/2015 20:34	1	F2856.D	ZB-624 (60) 0.25(mm)
LCSD 480-277152/2-A		11/27/2015 21:00	1	F2857.D	ZB-624 (60) 0.25(mm)
RL 480-277216/7		11/27/2015 21:26	1		ZB-624 (60) 0.25(mm)
MB 480-277152/3-A		11/27/2015 21:52	1	F2859.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/27/2015 23:55	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 00:21	1		ZB-624 (60) 0.25(mm)
480-91710-3	B23-AREA2-S2	11/28/2015 02:04	1	F2868.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 02:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 02:56	1		ZB-624 (60) 0.25(mm)
480-91710-6	B22-POLEBARN-S1	11/28/2015 03:22	1	F2871.D	ZB-624 (60) 0.25(mm)
480-91710-8	B22-POLEBARN-S3	11/28/2015 03:48	1	F2872.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 04:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 04:40	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 05:06	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 05:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 07:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 07:41	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 08:07	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/28/2015 08:33	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973N Start Date: 11/09/2015 16:25

Analysis Batch Number: 273985 End Date: 11/10/2015 02:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-273985/4		11/09/2015 16:25	1	N4025.D	ZB-624 (60) 0.25(mm)
IC 480-273985/6		11/09/2015 17:26	1	N4027.D	ZB-624 (60) 0.25(mm)
IC 480-273985/7		11/09/2015 17:53	1	N4028.D	ZB-624 (60) 0.25(mm)
IC 480-273985/8		11/09/2015 18:19	1	N4029.D	ZB-624 (60) 0.25(mm)
IC 480-273985/9		11/09/2015 18:46	1	N4030.D	ZB-624 (60) 0.25(mm)
IC 480-273985/10		11/09/2015 19:13	1	N4031.D	ZB-624 (60) 0.25(mm)
ICIS 480-273985/11		11/09/2015 19:39	1	N4032.D	ZB-624 (60) 0.25(mm)
IC 480-273985/12		11/09/2015 20:06	1	N4033.D	ZB-624 (60) 0.25(mm)
IC 480-273985/13		11/09/2015 20:32	1	N4034.D	ZB-624 (60) 0.25(mm)
MDLV 480-273985/15		11/09/2015 21:26	1		ZB-624 (60) 0.25(mm)
MDLV 480-273985/16		11/09/2015 21:53	1		ZB-624 (60) 0.25(mm)
IC 480-273985/18		11/09/2015 22:46	1		ZB-624 (60) 0.25(mm)
IC 480-273985/19		11/09/2015 23:13	1		ZB-624 (60) 0.25(mm)
IC 480-273985/20		11/09/2015 23:40	1		ZB-624 (60) 0.25(mm)
IC 480-273985/21		11/10/2015 00:07	1		ZB-624 (60) 0.25(mm)
IC 480-273985/22		11/10/2015 00:34	1		ZB-624 (60) 0.25(mm)
IC 480-273985/23		11/10/2015 01:00	1		ZB-624 (60) 0.25(mm)
IC 480-273985/24		11/10/2015 01:27	1		ZB-624 (60) 0.25(mm)
MDLV 480-273985/26		11/10/2015 02:21	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973N Start Date: 11/30/2015 09:53

Analysis Batch Number: 277340 End Date: 11/30/2015 19:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277340/2		11/30/2015 09:53	1	N5035.D	ZB-624 (60) 0.25(mm)
CCVIS 480-277340/3		11/30/2015 10:25	1	N5036.D	ZB-624 (60) 0.25(mm)
CCV 480-277340/4		11/30/2015 10:51	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 11:44	1		ZB-624 (60) 0.25(mm)
RL 480-277340/6		11/30/2015 12:11	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 12:38	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 13:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 13:31	20		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 13:58	20		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 14:51	100		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 15:18	100		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 15:45	10		ZB-624 (60) 0.25(mm)
480-91710-4 DL	B24-AREA2-S1 DL	11/30/2015 16:12	10	N5049.D	ZB-624 (60) 0.25(mm)
480-91710-6 DL	B22-POLEBARN-S1 DL	11/30/2015 16:38	10	N5050.D	ZB-624 (60) 0.25(mm)
480-91710-7	B22-POLEBARN-S2	11/30/2015 17:05	10	N5051.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 17:32	10		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 17:59	10		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 18:26	10		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 18:53	100		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 19:19	10		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5973N Start Date: 11/30/2015 20:08

Analysis Batch Number: 277493 End Date: 12/01/2015 06:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277493/1		11/30/2015 20:08	1	N5058.D	ZB-624 (60) 0.25(mm)
CCVIS 480-277493/7		11/30/2015 21:26	1	N5061.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 22:07	1		ZB-624 (60) 0.25(mm)
RL 480-277493/5		11/30/2015 22:34	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 23:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 23:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 00:02	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 00:29	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 00:56	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 01:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 01:49	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 02:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 02:42	1		ZB-624 (60) 0.25(mm)
480-91710-2	B23-AREA2-S1	12/01/2015 03:36	5	N5074.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 04:03	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 04:30	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 04:56	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 05:23	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/01/2015 05:50	1		ZB-624 (60) 0.25(mm)
480-91710-2 MS	B23-AREA2-S1 MS	12/01/2015 06:17	5	N5080.D	ZB-624 (60) 0.25(mm)
480-91710-2 MSD	B23-AREA2-S1 MSD	12/01/2015 06:44	5	N5081.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5975T Start Date: 10/20/2015 14:44

Analysis Batch Number: 269838 End Date: 10/20/2015 23:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-269838/4		10/20/2015 14:44	1	T0340.D	ZB-624 (60) 0.25(mm)
IC 480-269838/6		10/20/2015 15:37	1	T0342.D	ZB-624 (60) 0.25(mm)
IC 480-269838/7		10/20/2015 16:00	1	T0343.D	ZB-624 (60) 0.25(mm)
IC 480-269838/8		10/20/2015 16:24	1	T0344.D	ZB-624 (60) 0.25(mm)
IC 480-269838/9		10/20/2015 16:48	1	T0345.D	ZB-624 (60) 0.25(mm)
ICIS 480-269838/10		10/20/2015 17:11	1	T0346.D	ZB-624 (60) 0.25(mm)
IC 480-269838/11		10/20/2015 17:35	1	T0347.D	ZB-624 (60) 0.25(mm)
IC 480-269838/12		10/20/2015 17:59	1	T0348.D	ZB-624 (60) 0.25(mm)
MDLV 480-269838/14		10/20/2015 18:47	1		ZB-624 (60) 0.25(mm)
IC 480-269838/16		10/20/2015 19:35	1		ZB-624 (60) 0.25(mm)
IC 480-269838/17		10/20/2015 19:59	1		ZB-624 (60) 0.25(mm)
IC 480-269838/18		10/20/2015 20:22	1		ZB-624 (60) 0.25(mm)
IC 480-269838/19		10/20/2015 20:46	1		ZB-624 (60) 0.25(mm)
IC 480-269838/20		10/20/2015 21:10	1		ZB-624 (60) 0.25(mm)
IC 480-269838/21		10/20/2015 21:34	1		ZB-624 (60) 0.25(mm)
IC 480-269838/22		10/20/2015 21:57	1		ZB-624 (60) 0.25(mm)
MDLV 480-269838/24		10/20/2015 22:44	1		ZB-624 (60) 0.25(mm)
ICV 480-269838/25		10/20/2015 23:32	1		ZB-624 (60) 0.25(mm)
ICV 480-269838/26		10/20/2015 23:56	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: HP5975T Start Date: 11/30/2015 09:54

Analysis Batch Number: 277335 End Date: 11/30/2015 20:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277335/2		11/30/2015 09:54	1	T2455.D	ZB-624 (60) 0.25(mm)
CCVIS 480-277335/3		11/30/2015 10:24	1	T2456.D	ZB-624 (60) 0.25(mm)
CCV 480-277335/4		11/30/2015 10:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 11:12	1		ZB-624 (60) 0.25(mm)
LCSD 480-277359/10-A		11/30/2015 12:40	1	T2459.D	ZB-624 (60) 0.25(mm)
LCS 480-277359/9-A		11/30/2015 13:04	1	T2460.D	ZB-624 (60) 0.25(mm)
MB 480-277359/11-A		11/30/2015 13:51	1	T2462.D	ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 14:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 17:06	2		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 17:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 17:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 18:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 18:42	2		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 19:06	20		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 19:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 19:55	20		ZB-624 (60) 0.25(mm)
ZZZZZ		11/30/2015 20:18	20		ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Batch Number: 277064 Batch Start Date: 11/26/15 00:38 Batch Analyst: Dias, Nicole M

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00059	GAS CORP mix 00123
LCS 480-277064/1		5035A, 8260C		25.59 g	30.78 g	5.19 g	5 mL	2.5 uL	2.5 uL
MB 480-277064/2		5035A, 8260C		24.81 g	29.91 g	5.1 g	5 mL		
480-91710-A-4	B24-AREA2-S1	5035A, 8260C	T	25.35 g	30.71 g	5.36 g	5 mL		
480-91710-A-5	B24-AREA2-S2	5035A, 8260C	T	25.20 g	30.21 g	5.01 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-277064/1		5035A, 8260C							
MB 480-277064/2		5035A, 8260C							
480-91710-A-4	B24-AREA2-S1	5035A, 8260C	T	bulk					
480-91710-A-5	B24-AREA2-S2	5035A, 8260C	T	bulk					

Batch Notes	
Balance ID	A15-04-01
Batch Comment	sand lot #XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Batch Number: 277152 Batch Start Date: 11/27/15 11:29 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00059	ADD CORP mix 00039
LCS 480-277152/1		5035A, 8260C		26.21 g	31.35 g	5.14 g	5 mL	2.5 uL	2.5 uL
LCSD 480-277152/2		5035A, 8260C		25.76 g	30.83 g	5.07 g	5 mL	2.5 uL	2.5 uL
MB 480-277152/3		5035A, 8260C		26.14 g	31.17 g	5.03 g	5 mL		
480-91710-A-3	B23-AREA2-S2	5035A, 8260C	T	24.62 g	29.64 g	5.02 g	5 mL		
480-91710-A-6	B22-POLEBARN-S1	5035A, 8260C	T	24.68 g	25.18 g	0.5 g	5 mL		
480-91710-A-8	B22-POLEBARN-S3	5035A, 8260C	T	24.94 g	29.97 g	5.03 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00123	AnalysisComment				
LCS 480-277152/1		5035A, 8260C		2.5 uL					
LCSD 480-277152/2		5035A, 8260C		2.5 uL					
MB 480-277152/3		5035A, 8260C							
480-91710-A-3	B23-AREA2-S2	5035A, 8260C	T		BULK, RA for carry-over				
480-91710-A-6	B22-POLEBARN-S1	5035A, 8260C	T		BULK, RA @ .5gr				
480-91710-A-8	B22-POLEBARN-S3	5035A, 8260C	T		BULK, RA for carry-over				

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot# XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Batch Number: 277359 Batch Start Date: 11/30/15 08:08 Batch Analyst: Goliszek, Gregory T

Batch Method: 5035A Batch End Date: 11/30/15 22:36

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	3_MCP_Add_WRK 00083	8260 CORP mix 00059
LCS 480-277359/9		5035A, 8260C		19.45 g	24.50 g	5.05 g	10 mL	125 uL	125 uL
LCSD 480-277359/10		5035A, 8260C		19.10 g	24.08 g	4.98 g	10 mL	125 uL	125 uL
MB 480-277359/11		5035A, 8260C		19.41 g	24.43 g	5.02 g	10 mL		
480-91710-A-2	B23-AREA2-S1	5035A, 8260C	T	19.05 g	24.06 g	5.01 g	10 mL		
480-91710-A-4	B24-AREA2-S1	5035A, 8260C	T	19.35 g	24.40 g	5.05 g	10 mL		
480-91710-A-6	B22-POLEBARN-S1	5035A, 8260C	T	19.17 g	24.18 g	5.01 g	10 mL		
480-91710-A-7	B22-POLEBARN-S2	5035A, 8260C	T	19.40 g	24.39 g	4.99 g	10 mL		
480-91710-A-2 MS	B23-AREA2-S1	5035A, 8260C	T	19.10 g	24.24 g	5.14 g	10 mL	125 uL	125 uL
480-91710-A-2 MSD	B23-AREA2-S1	5035A, 8260C	T	19.49 g	24.58 g	5.09 g	10 mL	125 uL	125 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00038	GAS CORP mix 00123				
LCS 480-277359/9		5035A, 8260C		125 uL	125 uL				
LCSD 480-277359/10		5035A, 8260C		125 uL	125 uL				
MB 480-277359/11		5035A, 8260C							
480-91710-A-2	B23-AREA2-S1	5035A, 8260C	T						
480-91710-A-4	B24-AREA2-S1	5035A, 8260C	T						
480-91710-A-6	B22-POLEBARN-S1	5035A, 8260C	T						
480-91710-A-7	B22-POLEBARN-S2	5035A, 8260C	T						
480-91710-A-2 MS	B23-AREA2-S1	5035A, 8260C	T	125 uL	125 uL				
480-91710-A-2 MSD	B23-AREA2-S1	5035A, 8260C	T	125 uL	125 uL				

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Batch Number: 277359 Batch Start Date: 11/30/15 08:08 Batch Analyst: Goliszek, Gregory T

Batch Method: 5035A Batch End Date: 11/30/15 22:36

Batch Notes	
Balance ID	b202613314
Batch Comment	terracore and bulk
Methanol Lot Number	0118655
Blank Sand Lot #	xh27a

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91710-1

SDG No.:

Project: Lockheed Martin Corporation - Volatiles

Client Sample ID	Lab Sample ID
B23-AREA2-S1	480-91710-2
B23-AREA2-S2	480-91710-3
B24-AREA2-S1	480-91710-4
B24-AREA2-S2	480-91710-5
B22-POLEBARN-S1	480-91710-6
B22-POLEBARN-S2	480-91710-7
B22-POLEBARN-S3	480-91710-8

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91710-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-91710-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/26/2015 02:51 End Date: 11/26/2015 02:51

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
480-91710-2	1	T	02:51	X	X																		
480-91710-3	1	T	02:51	X	X																		
480-91710-4	1	T	02:51	X	X																		
480-91710-5	1	T	02:51	X	X																		
480-91710-6	1	T	02:51	X	X																		
480-91710-7	1	T	02:51	X	X																		
480-91710-8	1	T	02:51	X	X																		
ZZZZZZ			02:51																				
ZZZZZZ			02:51																				
ZZZZZZ			02:51																				
ZZZZZZ			02:51																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91710-1

SDG No.:

Batch Number: 277067 Batch Start Date: 11/26/15 02:51 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date: 11/27/15 06:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-91710-A-2	B23-AREA2-S1	Moisture	T	4.19 g	13.12 g	12.49 g			
480-91710-A-3	B23-AREA2-S2	Moisture	T	4.35 g	15.52 g	14.84 g			
480-91710-A-4	B24-AREA2-S1	Moisture	T	4.21 g	14.29 g	13.47 g			
480-91710-A-5	B24-AREA2-S2	Moisture	T	4.21 g	13.25 g	11.10 g			
480-91710-A-6	B22-POLEBARN-S1	Moisture	T	4.32 g	13.39 g	12.65 g			
480-91710-A-7	B22-POLEBARN-S2	Moisture	T	4.20 g	12.38 g	11.73 g			
480-91710-A-8	B22-POLEBARN-S3	Moisture	T	4.23 g	11.95 g	10.46 g			

Batch Notes	
Balance ID	A15-04-01 No Unit
Batch Comment	PP-F-03-14
Date samples were placed in the oven	11/26/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	0300
Date samples were removed from oven	11/27/15
Oven Temp when samples removed from oven	106 Degrees C
Time Samples were removed from oven	05:45
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	106 Celsius

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.5
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page ~~5 of 5~~ 1 of 1
Company: Stantec Consulting Services Inc				Job #:

Address: 61 Commercial Street	Due Date Requested: 11/30/15 (soil)	Analysis Requested	Preservation Codes:
City: Rochester	TAT Requested (days): 3d ~~48 hr~~ (all soil) 10d (rinseblank)		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY, 14614			
Phone:	PO #: Purchase Order not required		Other:
Email: laura.best@stantec.com	WO #: 10137		
Project Name: Lockheed Martin Corporation	Project #: 48002828		
Site: New York	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
SB-RINSEBLANK1	11/24/15	1530	G	W ~~Solid~~					X	3	
B23-AREA2-S1	11/23/15	1215	G	Solid				X		1	
B23-AREA2-S2	11/23/15	1240	G	Solid				X		1	
B24-AREA2-S1	11/23/15	1505	G	Solid				X		1	
B24-AREA2-S2	11/23/15	1530	G	Solid				X		1	
B22-POLEBARN-S1	11/24/15	1320	G	Solid				X		1	
B22-POLEBARN-S2	11/24/15	1340	G	Solid				X		1	
B22-POLEBARN-S3	11/24/15	1500	G	Solid				X		1	
B22-POLEBARN-S4	11/24/15	1330	G	Solid				X		1	ON HOLD
B22-POLEBARN-S5	11/24/15	1400	G	Solid				X		1	ON HOLD
B22-POLEBARN-S6	11/24/15	1420	G	Solid				X		1	ON HOLD

480-91710 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV), Other (specify) Cat B + NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Laura Best	11/24/15 1755	Stantec		11/24/15 1755	SVR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[illegible]	11-24-15 1900	SVR		11-25-15 0310	DHL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.7

Page 49 of 50
483325
12/07/2015

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-91710-1

Login Number: 91710

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-91710-2

Job Description: Lockheed Martin Corporation - Volatiles

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Ryan T VanDette
Project Manager II
12/7/2015 11:14 AM

Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
12/07/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 5

Sample Summary 8

Executive Summary 9

Method Summary 10

Method / Analyst Summary 11

Sample Datasheets 12

Surrogate Summary 14

QC Data Summary 15

Data Qualifiers 17

QC Association Summary 18

Lab Chronicle 19

Certification Summary 20

Organic Sample Data 21

GC/MS VOA 21

Method 8260C 21

Method 8260C QC Summary 22

Method 8260C Sample Data 29

Standards Data 34

Method 8260C ICAL Data 34

Method 8260C CCAL Data 93

Raw QC Data 101

Method 8260C Tune Data 101

Method 8260C Blank Data 107

Table of Contents

Method 8260C LCS/LCSD Data 114
Method 8260C Run Logs 121
Method 8260C Prep Data 123
Shipping and Receiving Documents 125
Client Chain of Custody 126
Sample Receipt Checklist 127

Job Narrative
480-91710-2

Comments
No additional comments.

Receipt
The samples were received on 11/25/2015 3:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 271162

Lab Sample ID: IC 480-271162/5 Client Sample ID:

Date Analyzed: 10/26/15 19:12 Lab File ID: Q6125.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.17	Peak Tail	diasn	10/27/15 19:41
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:27

Lab Sample ID: IC 480-271162/6 Client Sample ID:

Date Analyzed: 10/26/15 19:38 Lab File ID: Q6126.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.89	Peak Tail	diasn	10/27/15 19:38
Methyl acetate	3.17	Peak Tail	diasn	10/27/15 19:40
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:29
1,4-Dioxane	5.68	Assign Peak	diasn	10/27/15 18:29

Lab Sample ID: IC 480-271162/7 Client Sample ID:

Date Analyzed: 10/26/15 20:04 Lab File ID: Q6127.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.17	Peak Tail	diasn	10/27/15 19:40
1,4-Dioxane	5.67	Assign Peak	diasn	10/27/15 18:34

Lab Sample ID: IC 480-271162/8 Client Sample ID:

Date Analyzed: 10/26/15 20:30 Lab File ID: Q6128.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:38

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 271162

Lab Sample ID: IC 480-271162/9 Client Sample ID:

Date Analyzed: 10/26/15 20:55 Lab File ID: Q6129.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	3.16	Peak Tail	diasn	10/27/15 19:39
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:40

Lab Sample ID: ICIS 480-271162/10 Client Sample ID:

Date Analyzed: 10/26/15 21:21 Lab File ID: Q6130.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	4.88	Peak Tail	diasn	10/27/15 18:15
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:15

Lab Sample ID: IC 480-271162/11 Client Sample ID:

Date Analyzed: 10/26/15 21:47 Lab File ID: Q6131.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.13	Peak Tail	diasn	10/27/15 19:35
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:42

Lab Sample ID: IC 480-271162/12 Client Sample ID:

Date Analyzed: 10/26/15 22:13 Lab File ID: Q6132.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.12	Peak Tail	diasn	10/27/15 19:36
Fluorobenzene (IS)	5.12	Shouldering	diasn	10/27/15 18:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 277868

Lab Sample ID: CCVIS 480-277868/3 Client Sample ID:

Date Analyzed: 12/02/15 20:26 Lab File ID: Q7235.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.43	Incomplete Integration	diasn	12/02/15 21:12

Lab Sample ID: LCS 480-277868/4 Client Sample ID:

Date Analyzed: 12/02/15 20:49 Lab File ID: Q7236.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.43	Incomplete Integration	diasn	12/02/15 21:14

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91710-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-91710-1	SB-RINSEBLANK1	Water	11/24/2015 1530	11/25/2015 0310

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-91710-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91710-2

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-91710-2

Method	Analyst	Analyst ID
SW846 8260C	Cwiklinski, Charles D	CDC

Client: Stantec Consulting Services Inc | Job Number: 480-91710-2

Client Sample ID: **SB-RINSEBLANK1**

Lab Sample ID: 480-91710-1 | Date Sampled: 11/24/2015 1530
Client Matrix: Water | Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277868	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q7250.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/03/2015 0215			Final Weight/Volume:	5 mL
Prep Date:	12/03/2015 0215				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Stantec Consulting Services Inc Job Number: 480-91710-2

Client Sample ID: **SB-RINSEBLANK1**

Lab Sample ID: 480-91710-1 Date Sampled: 11/24/2015 1530
Client Matrix: Water Date Received: 11/25/2015 0310

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-277868	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q7250.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/03/2015 0215			Final Weight/Volume:	5 mL
Prep Date:	12/03/2015 0215				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Client: Stantec Consulting Services Inc

Job Number: 480-91710-2

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-91710-1	SB-RINSEBLANK1	104	106	110
MB 480-277868/6		102	106	112
LCS 480-277868/4		97	107	113

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Method Blank - Batch: 480-277868

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-277868/6	Analysis Batch:	480-277868	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q7238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/02/2015 2135	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/02/2015 2135				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Client: Stantec Consulting Services Inc

Job Number: 480-91710-2

Method Blank - Batch: 480-277868

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-277868/6	Analysis Batch:	480-277868	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q7238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/02/2015 2135	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/02/2015 2135				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	66 - 137
4-Bromofluorobenzene (Surr)	112	73 - 120
Toluene-d8 (Surr)	106	71 - 126

Lab Control Sample - Batch: 480-277868

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-277868/4	Analysis Batch:	480-277868	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q7236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/02/2015 2049	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/02/2015 2049				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.7	99	71 - 129	
1,1-Dichloroethene	25.0	27.5	110	58 - 121	
1,2-Dichlorobenzene	25.0	26.5	106	80 - 124	
1,2-Dichloroethane	25.0	22.1	88	75 - 127	
Benzene	25.0	26.0	104	71 - 124	
Chlorobenzene	25.0	27.5	110	72 - 120	
cis-1,2-Dichloroethene	25.0	27.3	109	74 - 124	
Ethylbenzene	25.0	26.0	104	77 - 123	
Methyl tert-butyl ether	25.0	23.6	94	64 - 127	
Tetrachloroethene	25.0	28.9	116	74 - 122	
Toluene	25.0	25.8	103	80 - 122	
trans-1,2-Dichloroethene	25.0	27.3	109	73 - 127	
Trichloroethene	25.0	27.0	108	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	66 - 137
4-Bromofluorobenzene (Surr)	113	73 - 120
Toluene-d8 (Surr)	107	71 - 126

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: Stantec Consulting Services Inc

Job Number: 480-91710-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-277868					
LCS 480-277868/4	Lab Control Sample	T	Water	8260C	
MB 480-277868/6	Method Blank	T	Water	8260C	
480-91710-1	SB-RINSEBLANK1	T	Water	8260C	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-91710-2

Laboratory Chronicle

Lab ID: 480-91710-1 **Client ID: SB-RINSEBLANK1**

Sample Date/Time: 11/24/2015 15:30 Received Date/Time: 11/25/2015 03:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-91710-A-1		480-277868		12/03/2015 02:15	1	TAL BUF	CDC
A:8260C	480-91710-A-1		480-277868		12/03/2015 02:15	1	TAL BUF	CDC

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 480-277868/6		480-277868		12/02/2015 21:35	1	TAL BUF	CDC
A:8260C	MB 480-277868/6		480-277868		12/02/2015 21:35	1	TAL BUF	CDC

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 480-277868/4		480-277868		12/02/2015 20:49	1	TAL BUF	CDC
A:8260C	LCS 480-277868/4		480-277868		12/02/2015 20:49	1	TAL BUF	CDC

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Volatiles

TestAmerica Job ID: 480-91710-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB-RINSEBLANK1	480-91710-1	104	106	110
	MB 480-277868/6	102	106	112
	LCS 480-277868/4	97	107	113

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Matrix: Water Level: Low Lab File ID: Q7236.D

Lab ID: LCS 480-277868/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.7	99	71-129	
1,1-Dichloroethene	25.0	27.5	110	58-121	
1,2-Dichlorobenzene	25.0	26.5	106	80-124	
1,2-Dichloroethane	25.0	22.1	88	75-127	
Benzene	25.0	26.0	104	71-124	
Chlorobenzene	25.0	27.5	110	72-120	
cis-1,2-Dichloroethene	25.0	27.3	109	74-124	
Ethylbenzene	25.0	26.0	104	77-123	
Methyl tert-butyl ether	25.0	23.6	94	64-127	
Tetrachloroethene	25.0	28.9	116	74-122	
Toluene	25.0	25.8	103	80-122	
trans-1,2-Dichloroethene	25.0	27.3	109	73-127	
Trichloroethene	25.0	27.0	108	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Lab File ID: Q7238.D Lab Sample ID: MB 480-277868/6

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

Instrument ID: HP5973Q Date Analyzed: 12/02/2015 21:35

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-277868/4	Q7236.D	12/02/2015 20:49
SB-RINSEBLANK1	480-91710-1	Q7250.D	12/03/2015 02:15

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Lab File ID: Q6123.D BFB Injection Date: 10/26/2015

Instrument ID: HP5973Q BFB Injection Time: 18:19

Analysis Batch No.: 271162

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	7.1	(7.9) 1
176	95.0 - 101.0 % of mass 174	86.4	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-271162/5	Q6125.D	10/26/2015	19:12
	IC 480-271162/6	Q6126.D	10/26/2015	19:38
	IC 480-271162/7	Q6127.D	10/26/2015	20:04
	IC 480-271162/8	Q6128.D	10/26/2015	20:30
	IC 480-271162/9	Q6129.D	10/26/2015	20:55
	ICIS 480-271162/10	Q6130.D	10/26/2015	21:21
	IC 480-271162/11	Q6131.D	10/26/2015	21:47
	IC 480-271162/12	Q6132.D	10/26/2015	22:13

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Lab File ID: Q7234.D BFB Injection Date: 12/02/2015

Instrument ID: HP5973Q BFB Injection Time: 20:01

Analysis Batch No.: 277868

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	43.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	99.1	
175	5.0 - 9.0 % of mass 174	7.5	(7.6) 1
176	95.0 - 101.0 % of mass 174	96.9	(97.7) 1
177	5.0 - 9.0 % of mass 176	6.5	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-277868/3	Q7235.D	12/02/2015	20:26
	LCS 480-277868/4	Q7236.D	12/02/2015	20:49
	MB 480-277868/6	Q7238.D	12/02/2015	21:35
SB-RINSEBLANK1	480-91710-1	Q7250.D	12/03/2015	02:15

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Sample No.: ICIS 480-271162/10 Date Analyzed: 10/26/2015 21:21

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): Q6130.D Heated Purge: (Y/N) N

Calibration ID: 25411

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		91684	5.12	169973	7.41	196402	9.28
UPPER LIMIT		183368	5.62	339946	7.91	392804	9.78
LOWER LIMIT		45842	4.62	84987	6.91	98201	8.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-277868/3		69234	5.12	137689	7.41	164576	9.28

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Sample No.: CCVIS 480-277868/3 Date Analyzed: 12/02/2015 20:26

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): Q7235.D Heated Purge: (Y/N) N

Calibration ID: 25412

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		69234	5.12	137689	7.41	164576	9.28
UPPER LIMIT		138468	5.62	275378	7.91	329152	9.78
LOWER LIMIT		34617	4.62	68845	6.91	82288	8.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-277868/4		68035	5.12	129016	7.41	155600	9.28
MB 480-277868/6		62620	5.12	117202	7.41	142969	9.28
480-91710-1	SB-RINSEBLANK1	60681	5.12	116793	7.41	142479	9.28

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-2

SDG No.:

Client Sample ID: SB-RINSEBLANK1 | Lab Sample ID: 480-91710-1

Matrix: Water | Lab File ID: Q7250.D

Analysis Method: 8260C | Date Collected: 11/24/2015 15:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/03/2015 02:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277868 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-2

SDG No.:

Client Sample ID: SB-RINSEBLANK1 | Lab Sample ID: 480-91710-1

Matrix: Water | Lab File ID: Q7250.D

Analysis Method: 8260C | Date Collected: 11/24/2015 15:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/03/2015 02:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277868 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7250.D
Lims ID: 480-91710-A-1 Lab Sample ID: 480-91710-1
Client ID: SB-RINSEBLANK1
Sample Type: Client
Inject. Date: 03-Dec-2015 02:15:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-91710-A-1
Misc. Info.: 480-0048881-018
Operator ID: NMD Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 03-Dec-2015 09:03:18 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: cwiklinc Date: 03-Dec-2015 09:05:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	99	60681	25.0	
* 2 Chlorobenzene-d5	82	7.406	7.405	0.001	83	116793	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	93	142479	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.887	4.887	0.001	0	50366	26.1	
$ 5 Toluene-d8 (Surr)	98	6.286	6.286	0.000	92	295900	26.4	
$ 6 4-Bromofluorobenzene (Surr	174	8.336	8.336	0.000	98	103304	27.5	
10 Dichlorodifluoromethane	85		1.431				ND	
12 Chloromethane	50		1.595				ND	
13 Vinyl chloride	62		1.705				ND	
14 Bromomethane	94		2.015				ND	
15 Chloroethane	64		2.106				ND	
17 Trichlorofluoromethane	101		2.301				ND	
22 1,1-Dichloroethene	96		2.788				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.812				ND	
23 Acetone	43		2.879				ND	
26 Carbon disulfide	76		2.976				ND	
27 Methyl acetate	43		3.153				ND	
30 Methylene Chloride	84		3.244				ND	
32 Methyl tert-butyl ether	73		3.445				ND	
34 trans-1,2-Dichloroethene	96		3.457				ND	
39 1,1-Dichloroethane	63		3.804				ND	
45 cis-1,2-Dichloroethene	96		4.266				ND	
43 2-Butanone (MEK)	43		4.278				ND	
50 Chloroform	83		4.515				ND	
51 1,1,1-Trichloroethane	97		4.625				ND	
52 Cyclohexane	56		4.649				ND	
55 Carbon tetrachloride	117		4.747				ND	
57 Benzene	78		4.911				ND	
58 1,2-Dichloroethane	62		4.947				ND	
62 Trichloroethene	95		5.385				ND	
64 Methylcyclohexane	83		5.501				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.568				ND	
68 Dichlorobromomethane	83		5.781				ND	
77 trans-1,3-Dichloropropene	75		6.103				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.201				ND	
74 Toluene	92		6.340				ND	
72 cis-1,3-Dichloropropene	75		6.523				ND	
79 1,1,2-Trichloroethane	83		6.669				ND	
81 Tetrachloroethene	166		6.754				ND	
80 2-Hexanone	43		6.833				ND	
83 Chlorodibromomethane	129		6.979				ND	
84 Ethylene Dibromide	107		7.070				ND	
87 Chlorobenzene	112		7.429				ND	
88 Ethylbenzene	91		7.496				ND	
90 m-Xylene & p-Xylene	106		7.581				ND	
91 o-Xylene	106		7.904				ND	
92 Styrene	104		7.922				ND	
95 Bromoform	173		8.105				ND	
94 Isopropylbenzene	105		8.190				ND	
97 1,1,2,2-Tetrachloroethane	83		8.470				ND	
111 1,3-Dichlorobenzene	146		9.224				ND	
113 1,4-Dichlorobenzene	146		9.297				ND	
116 1,2-Dichlorobenzene	146		9.607				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.270				ND	
119 1,2,4-Trichlorobenzene	180		10.933				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

Q_8260_IS_00108	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added:	1.25	Units: uL	Run Reagent

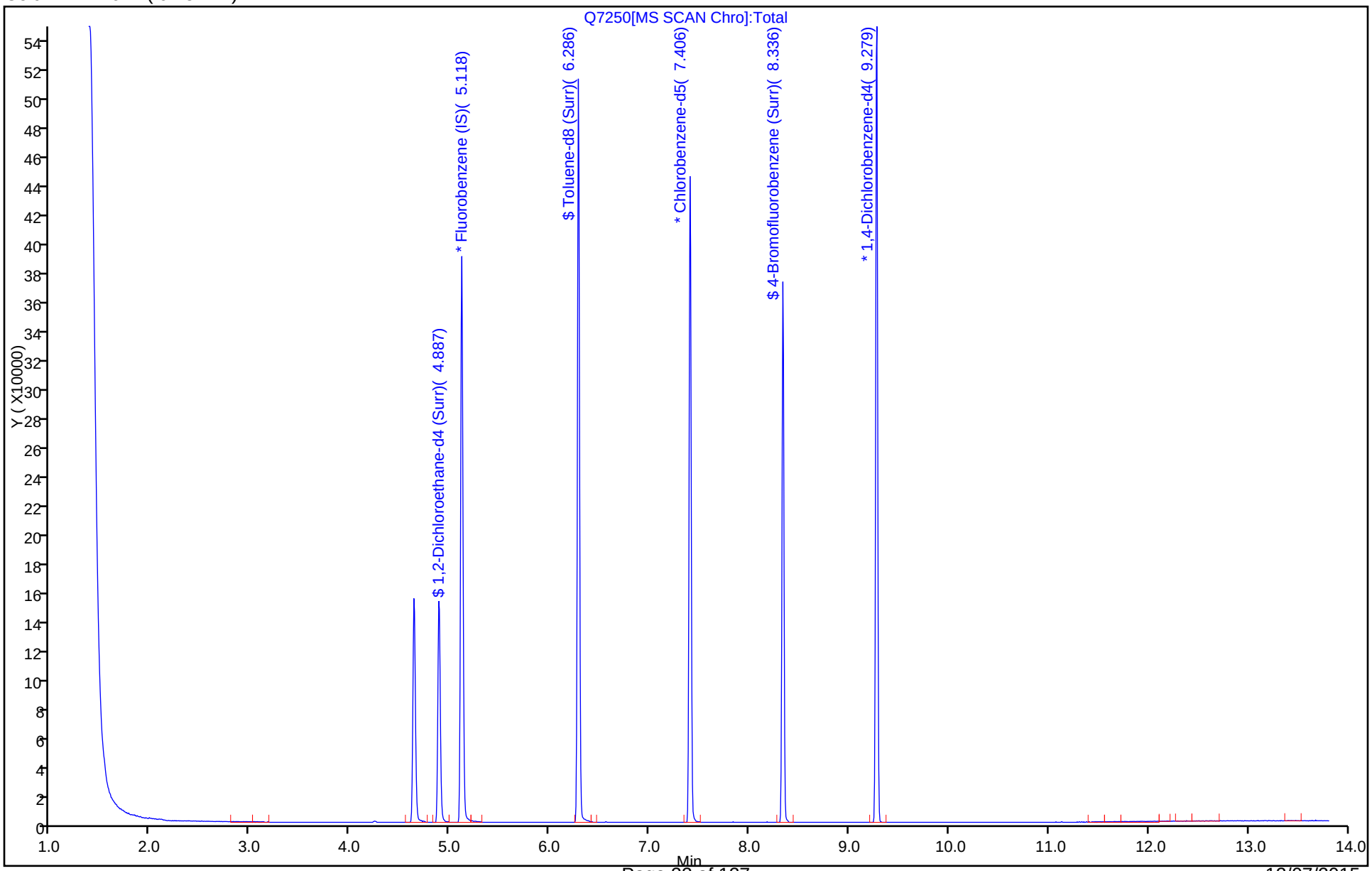
Report Date: 03-Dec-2015 09:05:08 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7250.D

Injection Date:	03-Dec-2015 02:15:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	480-91710-A-1	Lab Sample ID:	480-91710-1	Worklist Smp#:	18
Client ID:	SB-RINSEBLANK1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-271162/5	Q6125.D
Level 2	IC 480-271162/6	Q6126.D
Level 3	IC 480-271162/7	Q6127.D
Level 4	IC 480-271162/8	Q6128.D
Level 5	IC 480-271162/9	Q6129.D
Level 6	ICIS 480-271162/10	Q6130.D
Level 7	IC 480-271162/11	Q6131.D
Level 8	IC 480-271162/12	Q6132.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7655 1.7344	1.8899 1.4476	1.8474 1.3764	1.8520	1.6898	Ave		1.7004			0.1000	11.2		20.0			
Chloromethane	+++++ 1.8321	2.4468 1.6814	2.1433 1.4884	2.0850	1.9605	Ave		1.9482			0.1000	16.3		20.0			
Vinyl chloride	2.1361 1.8635	2.0525 1.6494	2.0134 1.5234	1.9916	1.8627	Ave		1.8866			0.1000	11.1		20.0			
Butadiene	+++++ 1.7839	2.1292 1.4961	1.9817 1.4442	2.0183	1.8334	Ave		1.8124				14.4		20.0			
Bromomethane	1.4312 1.1467	1.3726 1.0717	1.2610 0.9806	1.2605	1.1704	Ave		1.2118			0.1000	12.4		20.0			
Chloroethane	1.1937 1.1579	1.3699 1.0585	1.2022 0.9275	1.2758	1.1812	Ave		1.1708			0.1000	11.4		20.0			
Dichlorofluoromethane	+++++ 2.7928	3.7693 2.5423	3.2686 2.2189	3.0993	2.8965	Ave		2.9411				17.1		20.0			
Trichlorofluoromethane	2.8981 2.4069	2.8664 2.0631	2.5658 2.0093	2.5614	2.3873	Ave		2.4698			0.1000	13.2		20.0			
Ethyl ether	1.6496 1.6237	1.9779 1.5721	1.6506 1.3843	1.7963	1.6009	Ave		1.6569				10.4		20.0			
Acrolein	0.1910 0.2264	0.2293 0.2312	0.2119 0.2093	0.2252	0.2311	Ave		0.2194				6.5		20.0			
1,1-Dichloroethene	1.5960 1.4117	1.7296 1.3319	1.5876 1.2841	1.6241	1.4546	Ave		1.5025			0.1000	10.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5096 1.4227	1.7173 1.2394	1.5402 1.3154	1.6842	1.4772	Ave		1.4883			0.1000	11.1		20.0			
Acetone	+++++ 0.6767	1.0363 0.6518	0.9732 0.6389	0.7863	0.7731	Lin1	2.7607	0.6434			0.1000				0.9980		0.9900
Iodomethane	3.2082 2.9778	3.5959 2.8769	3.0832 2.6356	3.2440	3.0396	Ave		3.0826				9.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 4.6462	6.1208 4.4151	5.2582 4.1641	5.3498	4.8094	Ave		4.9662			0.1000	13.4		20.0			
Allyl chloride	3.5523 2.5855	3.4899 2.4357	2.8088 2.2013	3.0037	2.6396	Ave		2.8396				17.0		20.0			
Methyl acetate	3.3063 2.0469	2.6136 1.9806	2.5587 1.8254	2.3304	2.2872	Lin1	4.7711	1.9071			0.1000				0.9960		0.9900
Methylene Chloride	+++++ 1.6391	2.5709 1.5803	1.8963 1.4246	1.8645	1.6835	Lin1	1.2133	1.4843			0.1000				0.9960		0.9900
2-Methyl-2-propanol	0.1960 0.2094	0.2780 0.2084	0.2302 0.2524	0.2460	0.1874	Ave		0.2260				13.8		20.0			
Methyl tert-butyl ether	6.4308 5.5244	6.5041 5.4578	5.8129 4.7394	5.9146	5.2817	Ave		5.7082			0.1000	10.3		20.0			
trans-1,2-Dichloroethene	1.7753 1.5459	1.9427 1.5157	1.6493 1.4130	1.7223	1.5946	Ave		1.6448			0.1000	10.1		20.0			
Acrylonitrile	1.3301 1.0308	1.2378 1.0021	1.1293 0.8567	1.1290	1.0659	Ave		1.0977				13.3		20.0			
Hexane	2.6399 1.9416	2.5838 1.7244	2.2953 1.9047	2.4442	1.9521	Ave		2.1857				15.9		20.0			
1,1-Dichloroethane	3.3039 2.8846	3.3834 2.7984	2.9435 2.5515	3.1705	2.9555	Ave		2.9989			0.2000	9.2		20.0			
Vinyl acetate	3.8336 3.4409	3.9309 3.2801	3.2766 2.9125	3.4607	3.3585	Ave		3.4367				9.4		20.0			
2,2-Dichloropropane	2.1304 1.6788	2.2585 1.5659	1.9036 1.4104	1.8691	1.7394	Ave		1.8195				15.5		20.0			
cis-1,2-Dichloroethene	1.8721 1.7488	2.0856 1.6773	1.8175 1.5308	1.8702	1.7847	Ave		1.7984			0.1000	9.0		20.0			
2-Butanone (MEK)	1.7841 1.3048	1.5546 1.2603	1.4904 1.1489	1.4527	1.3388	Ave		1.4168			0.1000	14.0		20.0			
Chlorobromomethane	0.8732 0.9623	1.0855 0.9427	0.9230 0.8665	1.0240	0.9748	Ave		0.9565				7.7		20.0			
Tetrahydrofuran	1.1782 0.9338	1.1318 0.9202	1.1237 0.8806	1.0819	0.9773	Ave		1.0284				11.0		20.0			
Chloroform	+++++ 2.7082	3.2837 2.6027	2.8925 2.3544	2.9860	2.7299	Ave		2.7939			0.2000	10.6		20.0			
1,1,1-Trichloroethane	2.5523 2.2720	2.7766 2.1722	2.3271 2.0559	2.5634	2.3289	Ave		2.3810			0.1000	9.9		20.0			
Cyclohexane	3.1754 2.5422	3.2341 2.3032	2.8871 2.4127	3.0499	2.6708	Ave		2.7844			0.1000	12.7		20.0			
Carbon tetrachloride	2.3067 2.0138	2.4184 1.9874	2.0117 1.9745	2.2116	2.0288	Ave		2.1191			0.1000	8.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.4041 2.0681	2.4477 1.9551	2.2186 1.9053	2.3038	2.0963	Ave		2.1749				9.3		20.0			
Isobutyl alcohol	+++++ 0.1189	0.1462 0.1200	0.2072 0.1291	0.1367	0.1477	Lin	0.4640	0.1268							0.9980		0.9900
Benzene	7.3548 5.9616	7.1884 5.7844	6.3179 5.2535	6.6552	6.0067	Ave		6.3153			0.5000	11.3		20.0			
1,2-Dichloroethane	2.9765 2.3281	2.8064 2.2617	2.4345 2.0349	2.5061	2.3610	Ave		2.4636			0.1000	12.2		20.0			
n-Heptane	+++++ 1.9994	2.7852 1.8878	2.3125 1.8659	2.3004	1.9007	Ave		2.1503				15.7		20.0			
Trichloroethene	+++++ 1.5454	1.8866 1.4883	1.6166 1.3921	1.6873	1.5431	Ave		1.5942			0.2000	10.0		20.0			
Methylcyclohexane	2.8607 2.2956	2.9392 2.0705	2.5210 2.1959	2.7348	2.3446	Ave		2.4953			0.1000	12.9		20.0			
1,2-Dichloropropane	1.7332 1.4841	1.7150 1.4475	1.4599 1.3539	1.5809	1.4524	Ave		1.5284			0.1000	8.9		20.0			
1,4-Dioxane	+++++ 0.0106	0.0066 0.0100	0.0104 0.0111	0.0084	0.0089	Ave		0.0094				16.4		20.0			
Dibromomethane	1.0335 1.0571	1.1631 1.0441	1.0549 0.9633	1.1220	1.0346	Ave		1.0591			0.1000	5.7		20.0			
Bromodichloromethane	2.1505 1.9926	2.1618 1.9917	1.8475 1.8580	2.0277	1.9180	Ave		1.9935			0.2000	6.0		20.0			
2-Chloroethyl vinyl ether	1.1292 1.1292	0.9867 1.1034	1.0070 1.0909	1.1211	1.0314	Ave		1.0749				5.4		20.0			
trans-1,3-Dichloropropene	1.3910 1.3174	1.3513 1.3286	1.2665 1.3220	1.2788	1.2573	Ave		1.3141			0.1000	3.4		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 1.3829	1.6615 1.2884	1.5654 1.0622	1.5191	1.4461	Ave		1.4179			0.1000	14.0		20.0			
Toluene	2.2711 1.9620	2.3473 1.9406	2.1088 1.9324	2.0793	1.9846	Ave		2.0783			0.4000	7.6		20.0			
cis-1,3-Dichloropropene	2.1782 2.1999	1.9612 2.1894	1.9293 2.1345	2.1313	1.9694	Ave		2.0866			0.2000	5.4		20.0			
Ethyl methacrylate	1.3241 1.2244	1.2424 1.1911	1.2128 1.1998	1.2246	1.1584	Ave		1.2222				4.0		20.0			
1,1,2-Trichloroethane	0.6576 0.6132	0.6636 0.6038	0.6077 0.6076	0.6222	0.5829	Ave		0.6198			0.1000	4.4		20.0			
Tetrachloroethene	+++++ 0.8819	1.0149 0.8529	0.9044 0.8978	0.9586	0.8808	Ave		0.9131			0.2000	6.1		20.0			
1,3-Dichloropropane	1.3931 1.2693	1.3405 1.2544	1.2760 1.2779	1.2717	1.2105	Ave		1.2867				4.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.9808	1.1460 0.8956	1.1310 0.7755	1.1166	0.9983	Ave		1.0063			0.1000	13.7		20.0			
Dibromochloromethane	0.8173 0.9110	0.8647 0.9575	0.7787 0.9767	0.8341	0.8343	Ave		0.8718			0.1000	8.0		20.0			
1,2-Dibromoethane	0.8786 0.8346	0.8517 0.8257	0.7978 0.8527	0.8214	0.7949	Ave		0.8322				3.4		20.0			
Chlorobenzene	+++++ 2.1948	2.4709 2.1630	2.3166 2.1355	2.2810	2.1641	Ave		2.2466			0.5000	5.3		20.0			
Ethylbenzene	4.1701 3.5355	4.1295 3.3994	3.7919 3.2190	3.8231	3.5423	Ave		3.7014			0.1000	9.1		20.0			
1,1,1,2-Tetrachloroethane	0.9181 0.8853	0.9672 0.9045	0.8213 0.8964	0.8746	0.8507	Ave		0.8898				4.9		20.0			
m,p-Xylene	1.6567 1.4995	1.7031 1.4725	1.5646 1.4835	1.5614	1.4564	Ave		1.5497			0.1000	5.8		20.0			
o-Xylene	1.6604 1.5461	1.8058 1.5291	1.5718 1.5041	1.6121	1.5272	Ave		1.5946			0.3000	6.2		20.0			
Styrene	2.7391 2.4824	2.6694 2.4435	2.5093 2.4077	2.5792	2.4001	Ave		2.5288			0.3000	4.9		20.0			
Bromoform	0.5740 0.6204	0.5751 0.6526	0.4945 0.6938	0.5307	0.5420	Ave		0.5854			0.1000	11.3		20.0			
Isopropylbenzene	3.7687 3.2938	3.7376 3.2147	3.5328 3.0123	3.5003	3.3177	Ave		3.4222			0.1000	7.6		20.0			
Bromobenzene	1.0135 0.8823	0.9733 0.8775	0.9368 0.8857	0.9271	0.8634	Ave		0.9200				5.7		20.0			
1,1,2,2-Tetrachloroethane	1.1372 1.0366	1.1289 1.0339	1.0637 1.0066	1.0712	1.0419	Ave		1.0650			0.3000	4.4		20.0			
1,2,3-Trichloropropane	0.3812 0.3737	0.3971 0.3668	0.3943 0.3662	0.3833	0.3596	Ave		0.3778				3.6		20.0			
trans-1,4-Dichloro-2-butene	0.3219 0.3393	0.3182 0.3252	0.3328 0.3340	0.3401	0.3141	Ave		0.3282				3.0		20.0			
N-Propylbenzene	4.1577 3.6276	4.2731 3.4404	3.8540 3.2149	3.8949	3.6055	Ave		3.7585				9.5		20.0			
2-Chlorotoluene	0.8511 0.8076	0.8955 0.8088	0.8146 0.8083	0.8356	0.7895	Ave		0.8264				4.1		20.0			
1,3,5-Trimethylbenzene	3.2115 2.8514	3.1983 2.7994	2.9425 2.6053	2.9652	2.8313	Ave		2.9256				7.0		20.0			
4-Chlorotoluene	0.9681 0.8203	0.8985 0.8303	0.8983 0.8442	0.8442	0.7918	Ave		0.8620				6.5		20.0			
tert-Butylbenzene	0.6385 0.6566	0.6835 0.6570	0.6501 0.6592	0.6906	0.6334	Ave		0.6586				3.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.2280 2.9370	3.2960 2.8866	3.0972 2.6767	3.0810	2.9510	Ave		3.0192				6.6		20.0			
sec-Butylbenzene	3.7920 3.3834	3.8481 3.2445	3.5035 3.0684	3.6140	3.3611	Ave		3.4769				7.7		20.0			
4-Isopropyltoluene	3.4215 3.1118	3.5080 3.0211	3.2249 2.8159	3.2911	3.0705	Ave		3.1831				7.1		20.0			
1,3-Dichlorobenzene	1.9821 1.6758	2.0002 1.6614	1.7984 1.6388	1.7733	1.6450	Ave		1.7719			0.6000	8.3		20.0			
1,4-Dichlorobenzene	+++++ 1.7309	1.9878 1.7105	1.8627 1.6701	1.8040	1.6970	Ave		1.7804			0.5000	6.4		20.0			
n-Butylbenzene	2.7851 2.4543	2.9314 2.3392	2.5970 2.2520	2.6239	2.4363	Ave		2.5524				8.9		20.0			
1,2-Dichlorobenzene	2.0364 1.6781	1.9507 1.6808	1.8050 1.6194	1.7504	1.6865	Ave		1.7759			0.4000	8.3		20.0			
1,2-Dibromo-3-Chloropropane	0.2375 0.2654	0.2567 0.2711	0.2650 0.2556	0.2471	0.2590	Ave		0.2572			0.0500	4.2		20.0			
1,2,4-Trichlorobenzene	1.3846 1.2199	1.4703 1.2105	1.3089 1.0426	1.2564	1.2557	Ave		1.2686			0.2000	10.0		20.0			
Hexachlorobutadiene	0.4905 0.4402	0.5862 0.4212	0.4936 0.3849	0.4936	0.4468	Ave		0.4696				13.0		20.0			
Naphthalene	4.5787 4.0795	4.6500 3.9894	4.4713 3.2166	4.1762	4.2745	Ave		4.1795				10.9		20.0			
1,2,3-Trichlorobenzene	1.3859 1.1611	1.3442 1.1670	1.3034 0.9819	1.1936	1.2149	Ave		1.2190				10.5		20.0			
Dibromofluoromethane (Surr)	1.3920 1.3366	1.4035 1.3178	1.3345 1.2010	1.3907	1.3838	Ave		1.3450				4.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8329 0.7828	0.8376 0.7764	0.7958 0.7034	0.8156	0.8155	Ave		0.7950				5.4		20.0			
Toluene-d8 (Surr)	2.3449 2.3886	2.4140 2.3956	2.3771 2.4093	2.3944	2.4353	Ave		2.3949				1.1		20.0			
4-Bromofluorobenzene (Surr)	0.8060 0.8018	0.7979 0.8062	0.7996 0.8188	0.7995	0.8051	Ave		0.8044				0.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-271162/5	Q6125.D
Level 2	IC 480-271162/6	Q6126.D
Level 3	IC 480-271162/7	Q6127.D
Level 4	IC 480-271162/8	Q6128.D
Level 5	IC 480-271162/9	Q6129.D
Level 6	ICIS 480-271162/10	Q6130.D
Level 7	IC 480-271162/11	Q6131.D
Level 8	IC 480-271162/12	Q6132.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3063 159020	6332 275676	13040 599060	31933	58223	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 167970	8198 320188	15129 647787	35952	67550	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3706 170853	6877 314092	14212 663026	34341	64181	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 163555	7134 284908	13988 628579	34802	63172	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	2483 105138	4599 204090	8901 426813	21734	40326	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2071 106163	4590 201568	8486 403672	21999	40700	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 256054	12629 484135	23072 965730	53441	99803	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5028 220671	9604 392875	18111 874509	44166	82256	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2862 148871	6627 299370	11651 602518	30973	55160	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	1657 103801	3842 220145	7479 455450	19414	39815	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	2769 129430	5795 253639	11206 558902	28004	50121	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2619 130441	5754 236029	10872 572519	29040	50899	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Lin1	+++++ 310230	17361 620652	34347 1390279	67789	133188	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5566 273019	12048 547845	21763 1147091	55936	104733	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 425982	20508 840768	37116 1812386	92245	165712	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	6163 237051	11693 463831	19826 958106	51792	90950	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Lin1	28681 938335	43785 1885855	90306 3972333	200917	394045	2.50 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Lin1	+++++ 150280	8614 300933	13385 620020	32149	58006	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3401 192031	9314 396801	16252 1098630	42415	64572	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	11157 506501	21792 1039341	41031 2062774	101985	181985	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3080 141730	6509 288642	11642 614971	29697	54943	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	23076 945054	41472 1908286	79712 3728820	194670	367274	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4580 178011	8657 328378	16202 829012	42144	67260	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5732 264476	11336 532908	20777 1110512	54669	101835	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	13302 630952	26341 1249280	46256 2535277	119344	231443	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3696 153923	7567 298205	13437 613874	32229	59932	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3248 160337	6988 319408	12829 666272	32248	61492	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	15476 598155	26043 1199988	52601 2500285	125243	230640	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1515 88230	3637 179525	6515 377152	17657	33587	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	4088 171220	7584 350486	15864 766506	37311	67351	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 248301	11002 495630	20417 1024732	51487	94062	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4428 208308	9303 413659	16426 894793	44200	80243	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5509 233083	10836 438602	20379 1050102	52588	92026	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4002 184633	8103 378466	14200 859375	38134	69906	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4171 189616	8201 372314	15660 829269	39724	72231	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Lin	+++++ 272585	12245 571140	36572 1404480	58939	127216	+++++ 625	25.0 1250	50.0 2500	125	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	12760 546579	24085 1101542	44596 2286496	114755	206968	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	5164 213449	9403 430705	17184 885652	43212	81349	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 183309	9332 359503	16323 812118	39665	65492	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	+++++ 141690	6321 283422	11411 605890	29094	53170	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4963 210473	9848 394282	17795 955750	47155	80787	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3007 136064	5746 275659	10305 589274	27259	50044	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Ave	+++++ 35896	786 69345	2614 167058	5411	11080	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	1793 96922	3897 198834	7446 419242	19346	35647	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	3731 182692	7243 379283	13041 808655	34963	66085	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1959 103525	3306 210122	7108 474820	19331	35539	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	4512 223916	8015 460842	15921 997276	41117	78198	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 1175290	49275 2234365	98391 4006384	244222	449694	+++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	7367 333483	13923 673099	26510 1457756	66858	123431	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	3779 201692	6571 416935	13618 929011	36750	67856	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4295 208111	7369 413143	15246 905055	39374	72047	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	2133 104221	3936 209436	7639 458334	20005	36252	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 149898	6020 295846	11369 677285	30823	54784	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	4519 215754	7951 435107	16040 963970	40890	75287	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 833525	33987 1553268	71090 2924951	179522	310440	+++++ 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	2651 154847	5129 332115	9789 736803	26818	51892	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	2850 141866	5052 286381	10029 643219	26411	49440	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	+++++ 373065	14656 750227	29122 1610972	73342	134596	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	13527 600942	24494 1179073	47668 2428329	122927	220315	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	2978 150474	5737 313732	10324 676211	28123	52909	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	5374 254878	10102 510744	19669 1119110	50206	90580	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	5386 262801	10711 530374	19759 1134632	51836	94984	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	8885 421935	15833 847535	31544 1816317	82932	149278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	1862 105454	3411 226369	6216 523367	17063	33710	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	14108 646901	26073 1283239	51186 2614643	131319	239654	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	3794 173294	6790 350279	13573 768776	34783	62368	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4257 203598	7875 412695	15412 873686	40187	75264	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1427 73394	2770 146416	5713 317839	14380	25978	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1205 66644	2220 129818	4822 289930	12759	22692	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	15564 712467	29809 1373350	55840 2790533	146122	260442	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	3186 158609	6247 322847	11802 701612	31350	57027	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	12022 560028	22311 1117462	42634 2261409	111242	204521	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	3624 161115	6268 331452	13016 732729	31671	57197	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	2390 128950	4768 262279	9419 572209	25908	45757	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	12084 576829	22993 1152262	44875 2323370	115587	213165	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	14195 664502	26844 1295129	50762 2663400	135586	242792	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	12808 611158	24472 1205952	46725 2444225	123469	221801	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	7420 329129	13953 663176	26057 1422448	66529	118828	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2 Analy Batch No.: 271162

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2015 19:12 Calibration End Date: 10/26/2015 22:13 Calibration ID: 25411

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 339962	13867 682777	26989 1449637	67678	122587	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	10426 482034	20449 933777	37628 1954732	98439	175987	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	7623 329582	13608 670932	26152 1405626	65669	121822	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	889 52130	1791 108235	3839 221829	9272	18710	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5183 239583	10257 483190	18965 904936	47136	90708	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	1836 86458	4089 168135	7151 334114	18519	32272	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	17140 801224	32438 1592493	64784 2792019	156675	308771	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	5188 228038	9377 465845	18884 852260	44780	87757	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	120753 122543	117559 125473	117743 130679	119900	119198	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	72254 71768	70159 73928	70214 76538	70315	70251	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	380319 405992	357965 415453	373536 454372	384940	378660	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	130731 136276	118323 139814	125640 154418	128536	125183	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Oct-2015 19:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0047687-005
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:40 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:02:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	86746	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	162189	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	94	187172	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	94	120753	25.0	25.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.892	4.893	-0.001	0	72254	25.0	26.2	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	380319	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	130731	25.0	25.1	
10 Dichlorodifluoromethane	85	1.455	1.462	-0.007	85	3063	0.5000	0.5192	
12 Chloromethane	50	1.595	1.602	-0.007	96	4683	0.5000	0.6928	
144 Butadiene	54	1.729	1.723	0.006	89	3834	0.5000	0.6097	
13 Vinyl chloride	62	1.723	1.729	-0.006	84	3706	0.5000	0.5661	
14 Bromomethane	94	2.027	2.015	0.012	80	2483	0.5000	0.5905	
15 Chloroethane	64	2.118	2.113	0.005	1	2071	0.5000	0.5098	
16 Dichlorofluoromethane	67	2.319	2.326	-0.007	93	7946	0.5000	0.7786	
17 Trichlorofluoromethane	101	2.337	2.362	-0.025	46	5028	0.5000	0.5867	
18 Ethyl ether	59	2.599	2.587	0.012	93	2862	0.5000	0.4978	
20 Acrolein	56	2.757	2.745	0.012	37	1657	2.50	2.18	
22 1,1-Dichloroethene	96	2.788	2.794	-0.006	93	2769	0.5000	0.5311	
21 1,1,2-Trichloro-1,2,2-trif	101	2.830	2.824	0.006	67	2619	0.5000	0.5072	
23 Acetone	43	2.903	2.891	0.012	66	11424	2.50	0.8263	
25 Iodomethane	142	2.934	2.934	0.000	94	5566	0.5000	0.5204	
26 Carbon disulfide	76	2.982	2.976	0.006	99	11115	0.5000	0.6450	
28 3-Chloro-1-propene	41	3.128	3.122	0.006	88	6163	0.5000	0.6255	
27 Methyl acetate	43	3.165	3.159	0.006	99	28681	2.50	1.83	M
30 Methylene Chloride	84	3.244	3.244	0.000	93	4590	0.5000	0.0738	
31 2-Methyl-2-propanol	59	3.396	3.378	0.018	91	3401	5.00	4.34	
32 Methyl tert-butyl ether	73	3.451	3.445	0.006	98	11157	0.5000	0.5633	
34 trans-1,2-Dichloroethene	96	3.463	3.457	0.006	95	3080	0.5000	0.5397	
33 Acrylonitrile	53	3.481	3.481	0.000	98	23076	5.00	6.06	
35 Hexane	57	3.645	3.640	0.005	92	4580	0.5000	0.6039	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	92	5732	0.5000	0.5508	
37 Vinyl acetate	43	3.846	3.846	0.000	97	13302	1.00	1.12	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	77	3696	0.5000	0.5854	
45 cis-1,2-Dichloroethene	96	4.272	4.266	0.006	83	3248	0.5000	0.5205	
43 2-Butanone (MEK)	43	4.290	4.284	0.006	99	15476	2.50	3.15	
48 Chlorobromomethane	128	4.461	4.461	0.000	92	1515	0.5000	0.4565	
49 Tetrahydrofuran	42	4.491	4.479	0.012	88	4088	1.00	1.15	
50 Chloroform	83	4.521	4.516	0.005	93	6133	0.5000	0.6326	
51 1,1,1-Trichloroethane	97	4.637	4.631	0.006	35	4428	0.5000	0.5360	
52 Cyclohexane	56	4.655	4.656	-0.001	92	5509	0.5000	0.5702	
55 Carbon tetrachloride	117	4.753	4.747	0.006	81	4002	0.5000	0.5443	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	91	4171	0.5000	0.5527	
53 Isobutyl alcohol	43	4.886	4.875	0.011	31	10057	12.5	19.2	
57 Benzene	78	4.917	4.911	0.006	94	12760	0.5000	0.5823	
58 1,2-Dichloroethane	62	4.947	4.948	-0.001	95	5164	0.5000	0.6041	
59 n-Heptane	43	5.057	5.057	0.000	88	5046	0.5000	0.6763	
62 Trichloroethene	95	5.391	5.392	-0.001	94	3320	0.5000	0.6002	
64 Methylcyclohexane	83	5.501	5.507	-0.006	89	4963	0.5000	0.5732	
65 1,2-Dichloropropane	63	5.574	5.568	0.006	88	3007	0.5000	0.5670	
66 1,4-Dioxane	88		5.671				ND	ND	
67 Dibromomethane	93	5.677	5.678	-0.001	92	1793	0.5000	0.4879	
68 Dichlorobromomethane	83	5.787	5.787	0.000	95	3731	0.5000	0.5394	
69 2-Chloroethyl vinyl ether	63	5.987	5.988	-0.001	84	1959	0.5000	0.5253	
77 trans-1,3-Dichloropropene	75	6.109	6.103	0.006	93	4512	0.5000	0.5292	
73 4-Methyl-2-pentanone (MIBK	43	6.206	6.201	0.005	97	28529	2.50	3.10	
74 Toluene	92	6.340	6.341	-0.001	97	7367	0.5000	0.5464	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	95	3779	0.5000	0.5219	
75 Ethyl methacrylate	69	6.559	6.560	-0.001	91	4295	0.5000	0.5417	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	86	2133	0.5000	0.5305	
81 Tetrachloroethene	166	6.754	6.754	0.000	95	3576	0.5000	0.6037	
82 1,3-Dichloropropane	76	6.797	6.803	-0.006	89	4519	0.5000	0.5414	
80 2-Hexanone	43	6.839	6.833	0.006	98	20663	2.50	3.17	
83 Chlorodibromomethane	129	6.985	6.985	0.000	82	2651	0.5000	0.4687	
84 Ethylene Dibromide	107	7.070	7.071	-0.001	96	2850	0.5000	0.5279	
87 Chlorobenzene	112	7.435	7.430	0.005	96	8699	0.5000	0.5969	
89 1,1,1,2-Tetrachloroethane	131	7.502	7.497	0.006	44	2978	0.5000	0.5159	
88 Ethylbenzene	91	7.496	7.497	0.000	97	13527	0.5000	0.5633	
90 m-Xylene & p-Xylene	106	7.587	7.588	-0.001	0	5374	0.5000	0.5345	
91 o-Xylene	106	7.904	7.904	0.000	95	5386	0.5000	0.5206	
92 Styrene	104	7.922	7.922	0.000	92	8885	0.5000	0.5416	
95 Bromoform	173	8.111	8.111	0.000	88	1862	0.5000	0.4903	
94 Isopropylbenzene	105	8.190	8.190	0.000	94	14108	0.5000	0.5506	
101 Bromobenzene	156	8.470	8.470	0.000	87	3794	0.5000	0.5508	
97 1,1,2,2-Tetrachloroethane	83	8.476	8.470	0.006	86	4257	0.5000	0.5339	
100 1,2,3-Trichloropropane	110	8.506	8.512	-0.006	87	1427	0.5000	0.5045	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.512	0.000	71	1205	0.5000	0.4904	
99 N-Propylbenzene	91	8.518	8.519	-0.001	98	15564	0.5000	0.5531	
103 2-Chlorotoluene	126	8.616	8.610	0.006	96	3186	0.5000	0.5150	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	95	12022	0.5000	0.5489	
105 4-Chlorotoluene	126	8.695	8.701	-0.006	95	3624	0.5000	0.5616	
106 tert-Butylbenzene	134	8.926	8.926	0.000	91	2390	0.5000	0.4847	
107 1,2,4-Trimethylbenzene	105	8.968	8.969	-0.001	96	12084	0.5000	0.5346	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.103	-0.001	93	14195	0.5000	0.5453	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	12808	0.5000	0.5374	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	97	7420	0.5000	0.5593	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	94	7998	0.5000	0.6000	
115 n-Butylbenzene	91	9.558	9.559	-0.001	96	10426	0.5000	0.5456	
116 1,2-Dichlorobenzene	146	9.613	9.614	-0.001	96	7623	0.5000	0.5733	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.271	-0.001	82	889	0.5000	0.4617	
119 1,2,4-Trichlorobenzene	180	10.933	10.934	-0.001	92	5183	0.5000	0.5457	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	87	1836	0.5000	0.5222	
121 Naphthalene	128	11.140	11.134	0.006	96	17140	0.5000	0.5478	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	93	5188	0.5000	0.5685	
S 125 1,2-Dichloroethene, Total	1				0			1.06	
S 126 1,3-Dichloropropene, Total	1				0			1.05	
S 123 Total BTEX	1				0			2.75	
S 124 Xylenes, Total	1				0			1.06	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	0.50	Units: uL	
GAS CORP mix_00116	Amount Added:	0.50	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

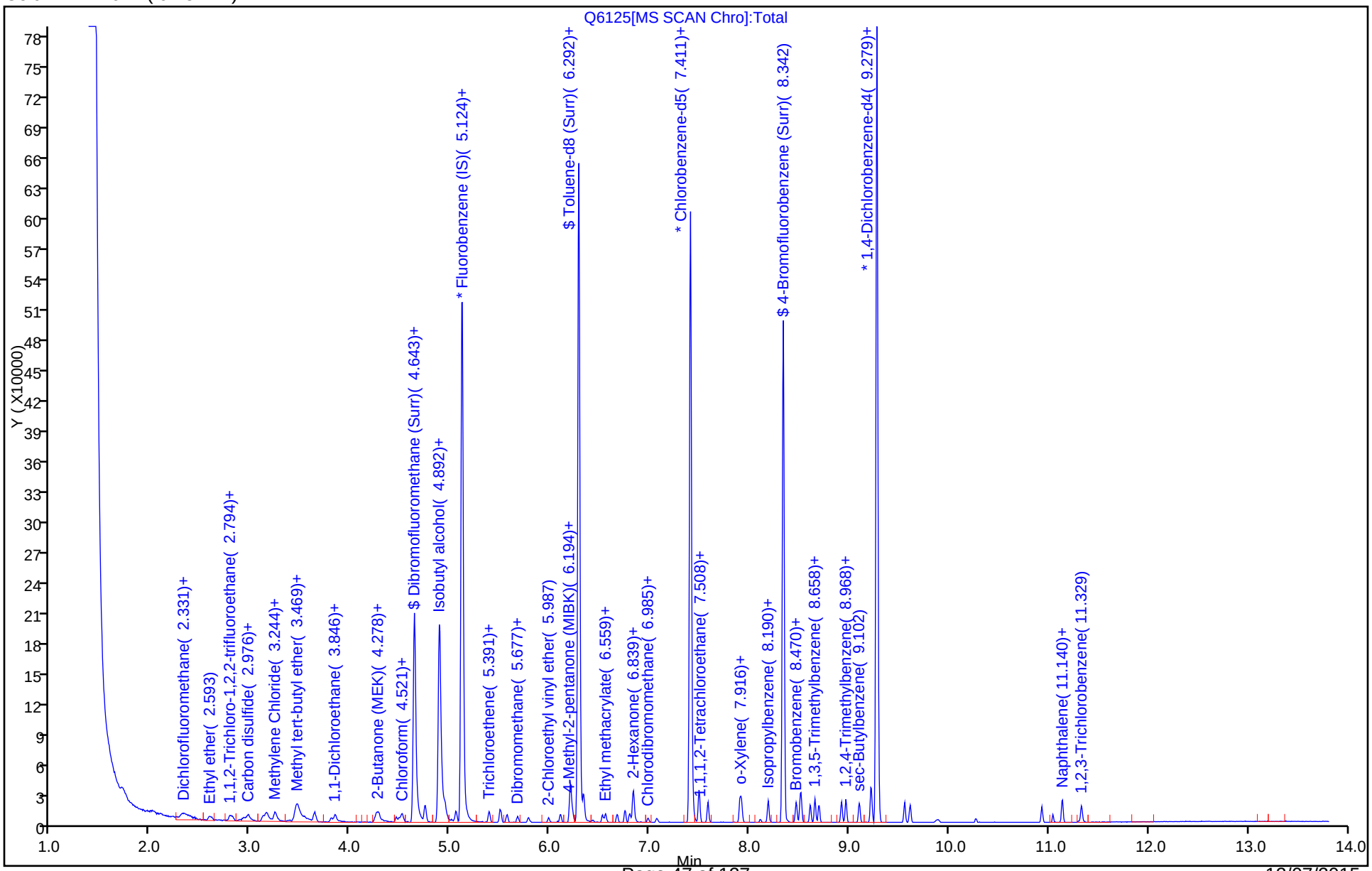
Report Date: 27-Oct-2015 21:05:41 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D

Injection Date:	26-Oct-2015 19:12:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

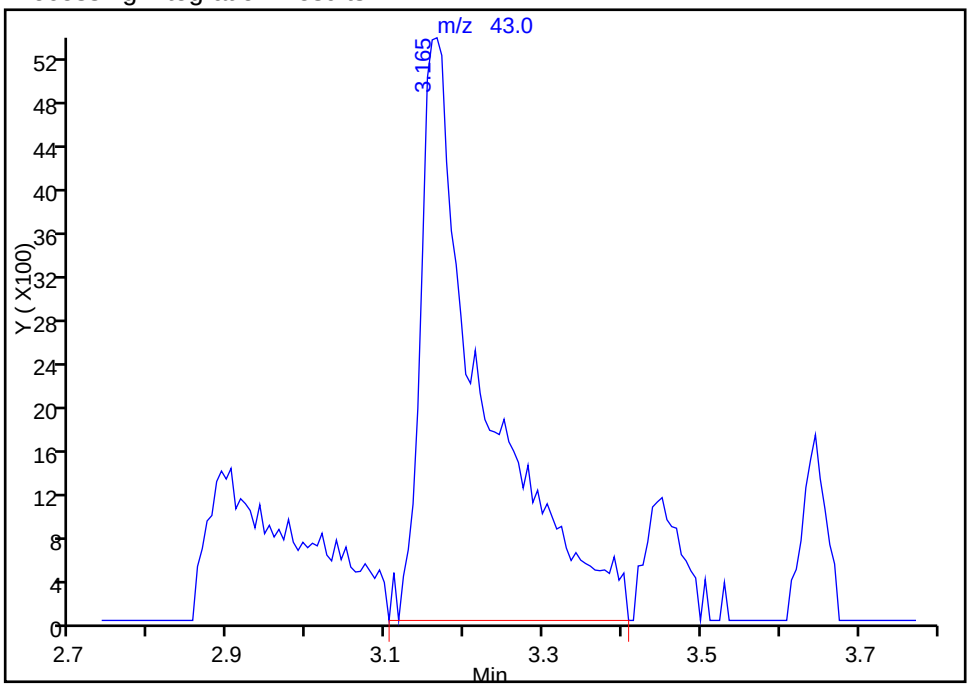
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D
Injection Date: 26-Oct-2015 19:12:30 Instrument ID: HP5973Q
Lims ID: IC
Client ID:
Operator ID: JG ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

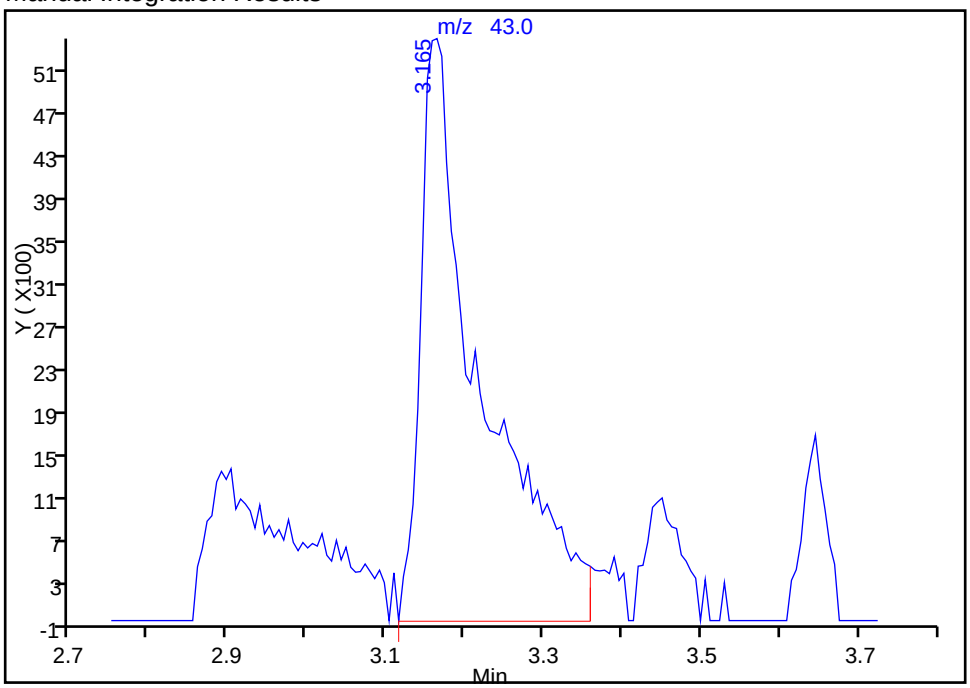
Processing Integration Results

RT: 3.16
Area: 29930
Amount: 1.918107
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 28681
Amount: 1.832530
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:41:04
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

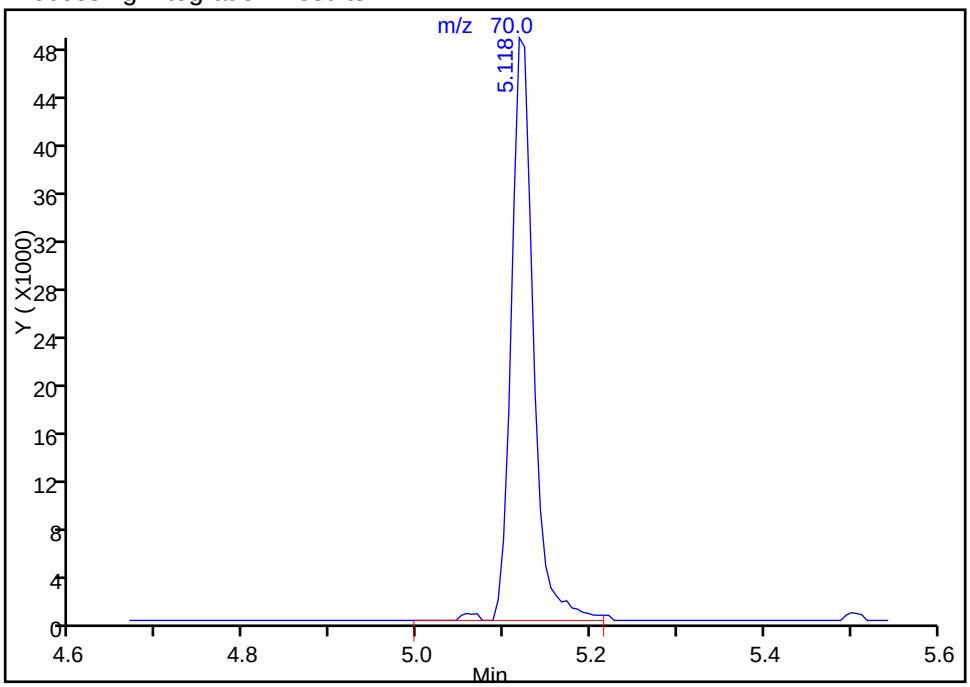
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6125.D
Injection Date: 26-Oct-2015 19:12:30 Instrument ID: HP5973Q
Lims ID: IC
Client ID:
Operator ID: JG ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

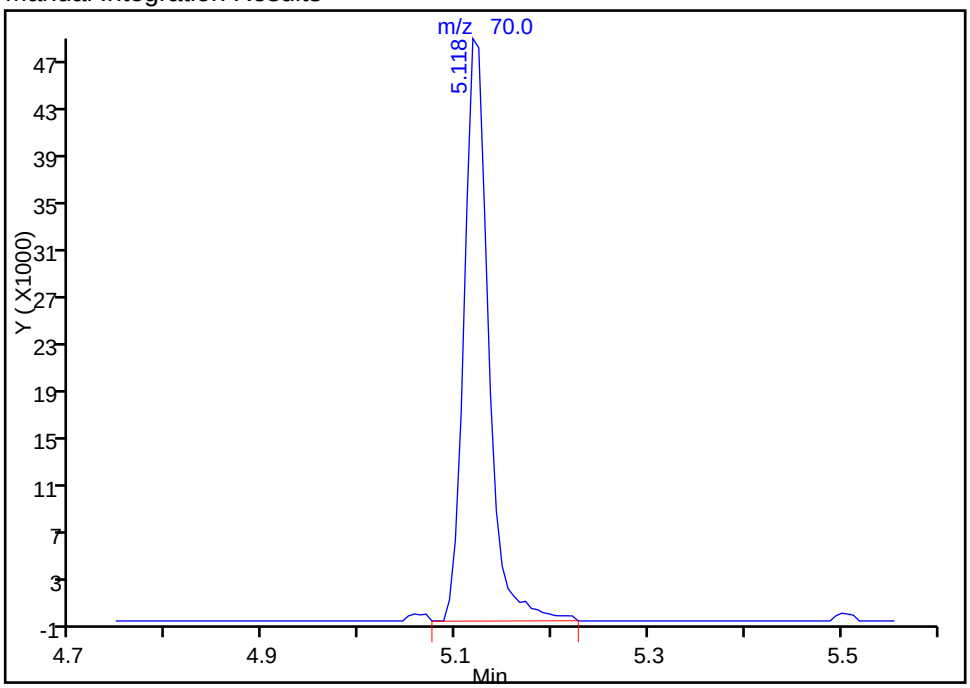
Processing Integration Results

RT: 5.12
Area: 87343
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 86746
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:27:24
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Oct-2015 19:38:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0047687-006
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:44 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:03:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	83763	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.412	7.411	0.001	92	148285	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	94	174399	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.643	0.001	96	117559	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	70159	25.0	26.3	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	357965	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	118323	25.0	24.8	
10 Dichlorodifluoromethane	85	1.456	1.462	-0.006	95	6332	1.00	1.11	
12 Chloromethane	50	1.596	1.602	-0.006	96	8198	1.00	1.26	
144 Butadiene	54	1.724	1.723	0.001	93	7134	1.00	1.17	
13 Vinyl chloride	62	1.717	1.729	-0.012	90	6877	1.00	1.09	
14 Bromomethane	94	2.009	2.015	-0.006	62	4599	1.00	1.13	
15 Chloroethane	64	2.119	2.113	0.006	92	4590	1.00	1.17	
16 Dichlorofluoromethane	67	2.320	2.326	-0.006	95	12629	1.00	1.28	
17 Trichlorofluoromethane	101	2.350	2.362	-0.012	90	9604	1.00	1.16	
18 Ethyl ether	59	2.587	2.587	0.000	77	6627	1.00	1.19	
20 Acrolein	56	2.752	2.745	0.007	67	3842	5.00	5.23	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	97	5795	1.00	1.15	
21 1,1,2-Trichloro-1,2,2-trif	101	2.819	2.824	-0.005	77	5754	1.00	1.15	
23 Acetone	43	2.892	2.891	0.001	100	17361	5.00	3.76	M
25 Iodomethane	142	2.934	2.934	0.000	99	12048	1.00	1.17	
26 Carbon disulfide	76	2.977	2.976	0.001	99	20508	1.00	1.23	
28 3-Chloro-1-propene	41	3.123	3.122	0.001	90	11693	1.00	1.23	
27 Methyl acetate	43	3.165	3.159	0.006	98	43785	5.00	4.35	M
30 Methylene Chloride	84	3.244	3.244	0.000	93	8614	1.00	0.9147	
31 2-Methyl-2-propanol	59	3.384	3.378	0.006	98	9314	10.0	12.3	
32 Methyl tert-butyl ether	73	3.445	3.445	0.000	96	21792	1.00	1.14	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	96	6509	1.00	1.18	
33 Acrylonitrile	53	3.482	3.481	0.001	99	41472	10.0	11.3	
35 Hexane	57	3.646	3.640	0.006	93	8657	1.00	1.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	96	11336	1.00	1.13	
37 Vinyl acetate	43	3.847	3.846	0.001	98	26341	2.00	2.29	
44 2,2-Dichloropropane	77	4.254	4.248	0.006	88	7567	1.00	1.24	
45 cis-1,2-Dichloroethene	96	4.266	4.266	0.000	80	6988	1.00	1.16	
43 2-Butanone (MEK)	43	4.291	4.284	0.007	100	26043	5.00	5.49	
48 Chlorobromomethane	128	4.461	4.461	0.000	91	3637	1.00	1.13	
49 Tetrahydrofuran	42	4.492	4.479	0.013	83	7584	2.00	2.20	
50 Chloroform	83	4.516	4.516	0.000	94	11002	1.00	1.18	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	97	9303	1.00	1.17	
52 Cyclohexane	56	4.650	4.656	-0.006	90	10836	1.00	1.16	
55 Carbon tetrachloride	117	4.747	4.747	0.000	95	8103	1.00	1.14	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	93	8201	1.00	1.13	
53 Isobutyl alcohol	43	4.875	4.875	0.000	95	12245	25.0	25.2	
57 Benzene	78	4.911	4.911	0.000	95	24085	1.00	1.14	
58 1,2-Dichloroethane	62	4.948	4.948	0.000	96	9403	1.00	1.14	
59 n-Heptane	43	5.063	5.057	0.006	95	9332	1.00	1.30	
62 Trichloroethene	95	5.392	5.392	0.000	95	6321	1.00	1.18	
64 Methylcyclohexane	83	5.501	5.507	-0.006	91	9848	1.00	1.18	
65 1,2-Dichloropropane	63	5.574	5.568	0.006	94	5746	1.00	1.12	
66 1,4-Dioxane	88	5.678	5.671	0.007	0	786	20.0	14.1	M
67 Dibromomethane	93	5.678	5.678	0.000	91	3897	1.00	1.10	
68 Dichlorobromomethane	83	5.787	5.787	0.000	97	7243	1.00	1.08	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	88	3306	1.00	0.9180	
77 trans-1,3-Dichloropropene	75	6.110	6.103	0.007	95	8015	1.00	1.03	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.201	0.006	97	49275	5.00	5.86	
74 Toluene	92	6.341	6.341	0.000	98	13923	1.00	1.13	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	95	6571	1.00	0.9399	
75 Ethyl methacrylate	69	6.560	6.560	0.000	90	7369	1.00	1.02	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	90	3936	1.00	1.07	
81 Tetrachloroethene	166	6.755	6.754	0.001	97	6020	1.00	1.11	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	89	7951	1.00	1.04	
80 2-Hexanone	43	6.834	6.833	0.001	96	33987	5.00	5.69	
83 Chlorodibromomethane	129	6.986	6.985	0.001	88	5129	1.00	0.99	
84 Ethylene Dibromide	107	7.071	7.071	0.000	97	5052	1.00	1.02	
87 Chlorobenzene	112	7.430	7.430	0.000	96	14656	1.00	1.10	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.497	0.001	46	5737	1.00	1.09	
88 Ethylbenzene	91	7.497	7.497	0.001	98	24494	1.00	1.12	
90 m-Xylene & p-Xylene	106	7.582	7.588	-0.006	0	10102	1.00	1.10	
91 o-Xylene	106	7.904	7.904	0.000	95	10711	1.00	1.13	
92 Styrene	104	7.923	7.922	0.001	94	15833	1.00	1.06	
95 Bromoform	173	8.111	8.111	0.000	93	3411	1.00	0.9824	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	26073	1.00	1.09	
101 Bromobenzene	156	8.470	8.470	0.000	95	6790	1.00	1.06	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	94	7875	1.00	1.06	
100 1,2,3-Trichloropropane	110	8.507	8.512	-0.005	89	2770	1.00	1.05	
98 trans-1,4-Dichloro-2-buten	53	8.507	8.512	-0.005	72	2220	1.00	0.9696	
99 N-Propylbenzene	91	8.519	8.519	0.000	99	29809	1.00	1.14	
103 2-Chlorotoluene	126	8.610	8.610	0.000	97	6247	1.00	1.08	
102 1,3,5-Trimethylbenzene	105	8.659	8.658	0.001	94	22311	1.00	1.09	
105 4-Chlorotoluene	126	8.695	8.701	-0.006	97	6268	1.00	1.04	
106 tert-Butylbenzene	134	8.926	8.926	0.000	91	4768	1.00	1.04	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	96	22993	1.00	1.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.103	9.103	0.000	93	26844	1.00	1.11	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	24472	1.00	1.10	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	13953	1.00	1.13	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	93	13867	1.00	1.12	
115 n-Butylbenzene	91	9.559	9.559	0.000	98	20449	1.00	1.15	
116 1,2-Dichlorobenzene	146	9.614	9.614	0.000	97	13608	1.00	1.10	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.271	0.000	82	1791	1.00	1.00	
119 1,2,4-Trichlorobenzene	180	10.934	10.934	0.000	94	10257	1.00	1.16	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	93	4089	1.00	1.25	
121 Naphthalene	128	11.135	11.134	0.001	97	32438	1.00	1.11	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	94	9377	1.00	1.10	
S 125 1,2-Dichloroethene, Total	1				0			2.34	
S 126 1,3-Dichloropropene, Total	1				0			1.97	
S 123 Total BTEX	1				0			5.61	
S 124 Xylenes, Total	1				0			2.23	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00116	Amount Added:	1.00	Units: uL	
8260 CORP mix_00056	Amount Added:	1.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

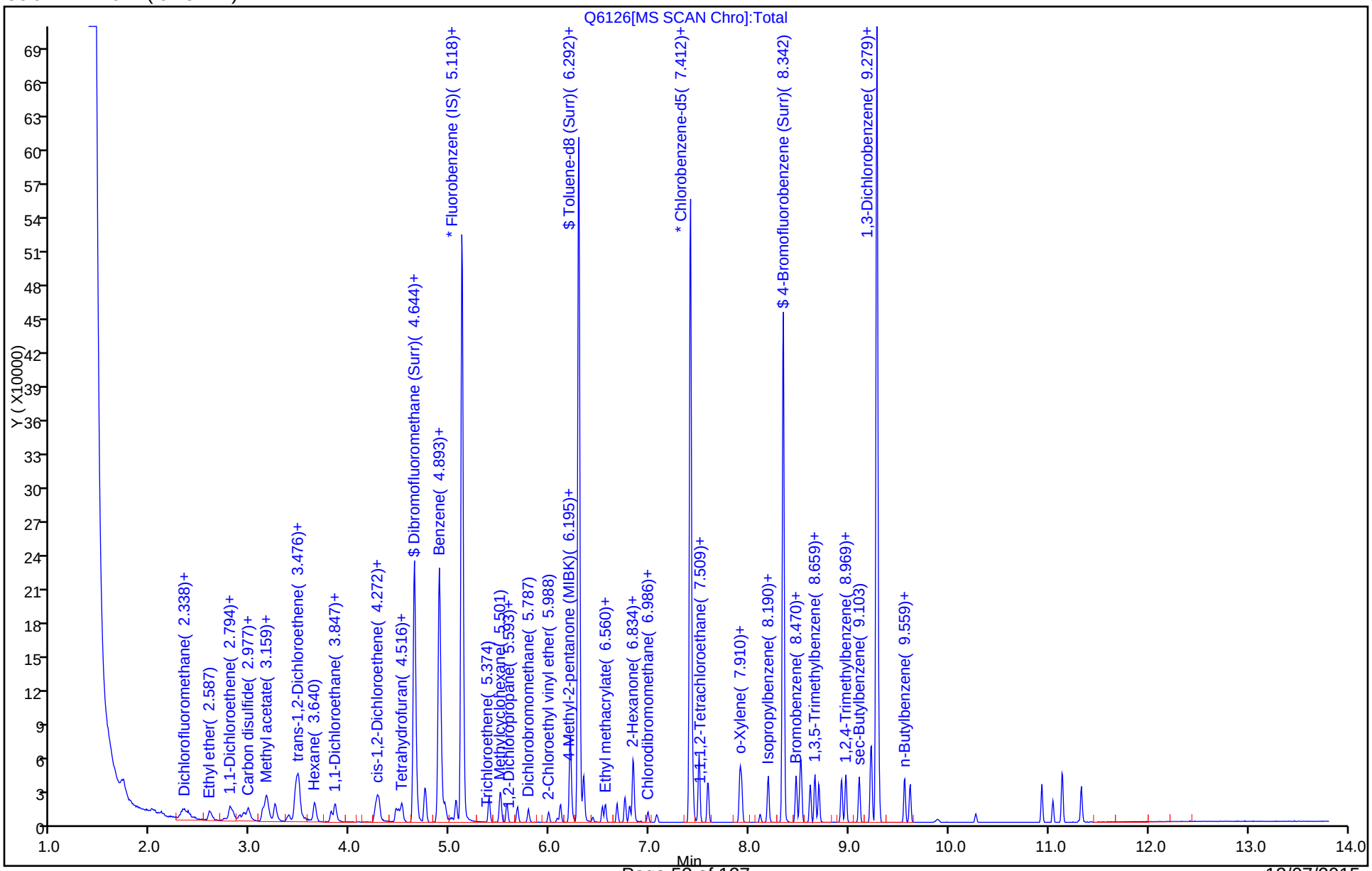
Report Date: 27-Oct-2015 21:05:44 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D

Injection Date:	26-Oct-2015 19:38:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

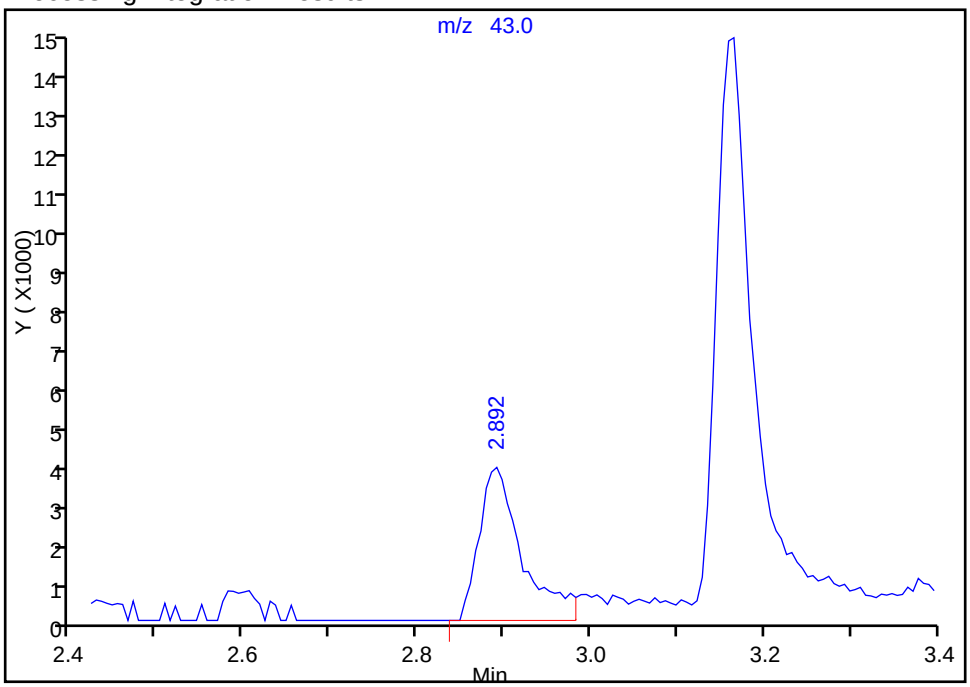
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

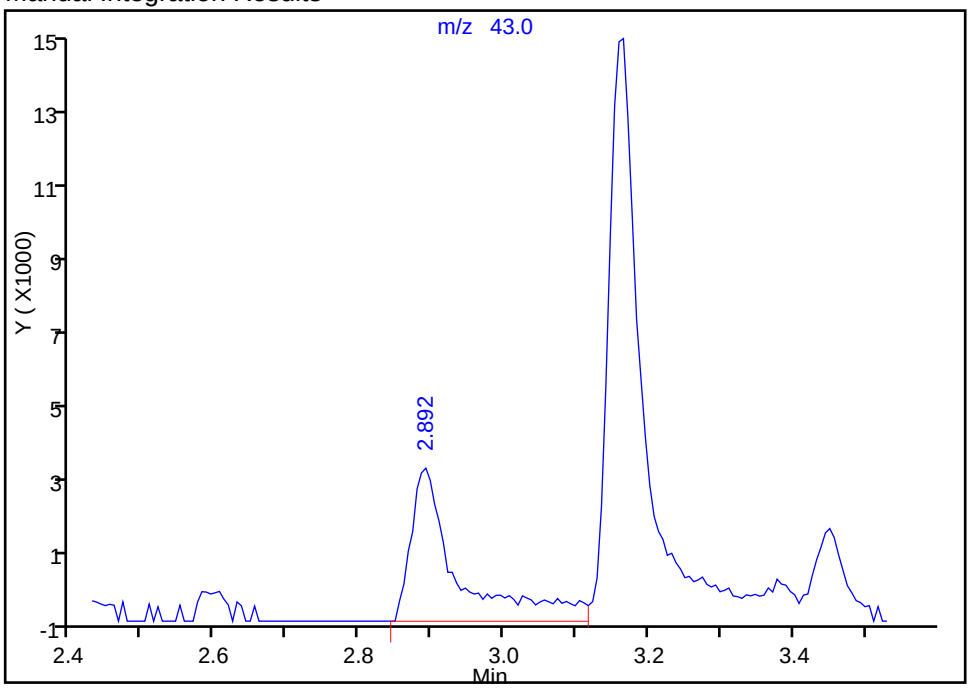
Processing Integration Results

RT: 2.89
Area: 13216
Amount: 5.220605
Amount Units: ug/L



Manual Integration Results

RT: 2.89
Area: 17361
Amount: 3.762597
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:38:09
Audit Action: Manually Integrated
Audit Reason: Peak Tail

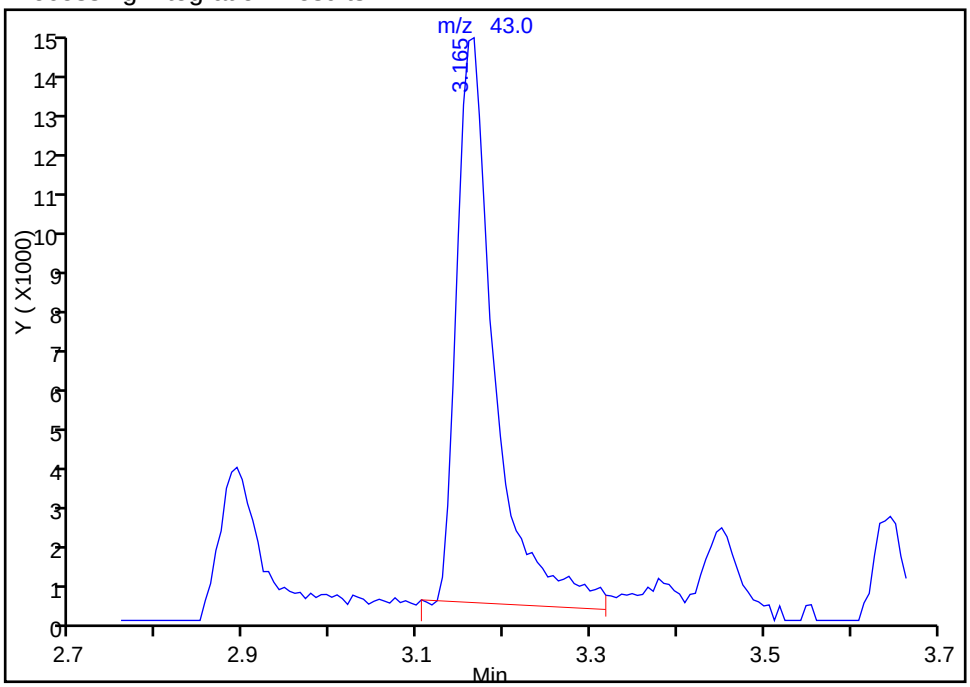
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

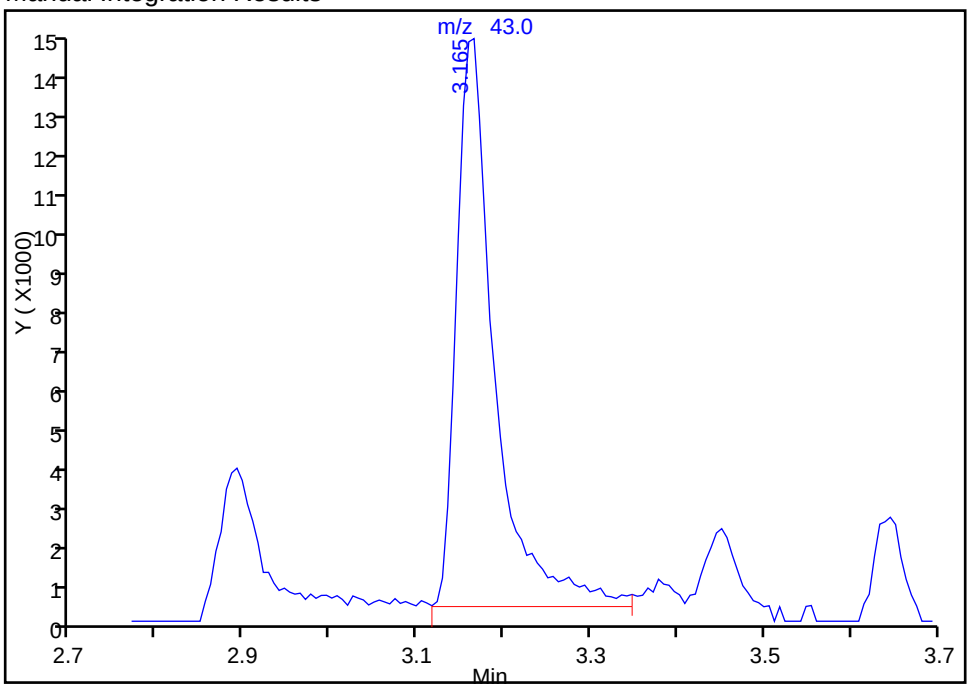
Processing Integration Results

RT: 3.17
Area: 43032
Amount: 4.162529
Amount Units: ug/L



Manual Integration Results

RT: 3.17
Area: 43785
Amount: 4.350721
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:40:35
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

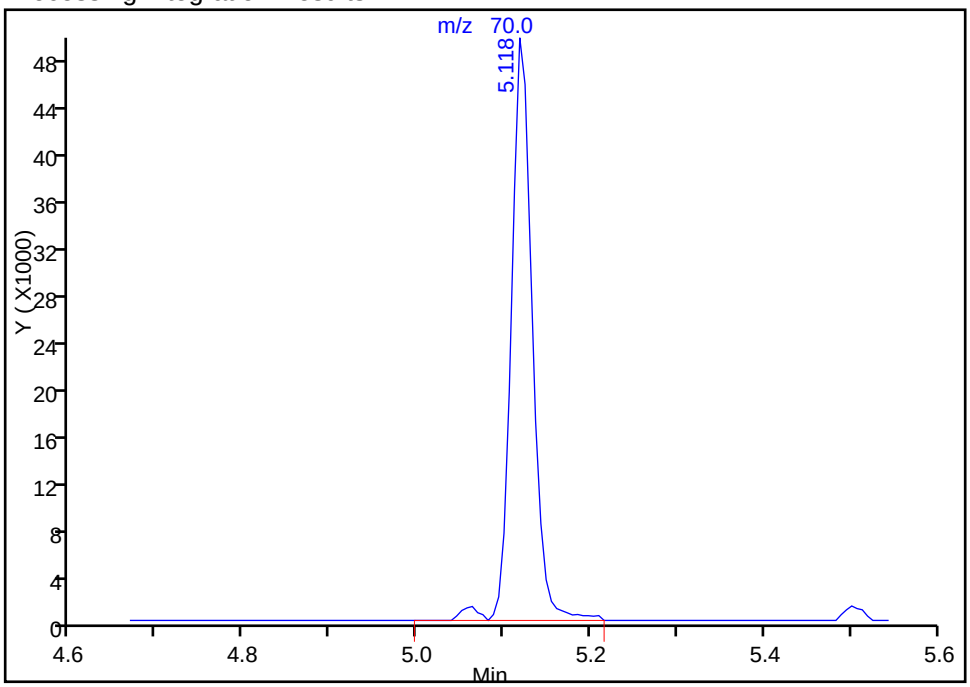
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

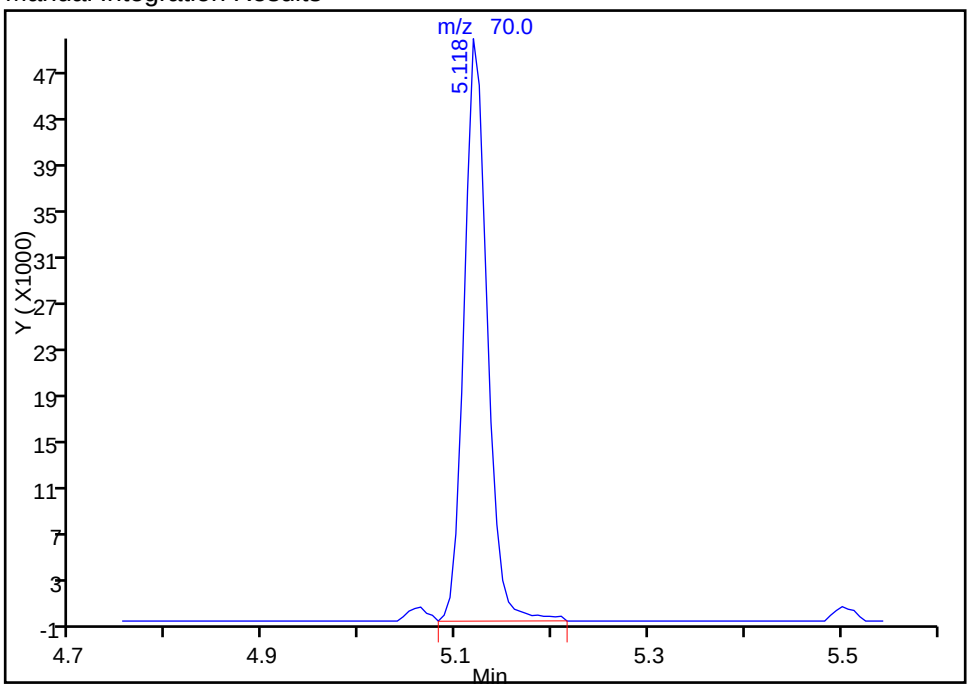
Processing Integration Results

RT: 5.12
Area: 85473
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 83763
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:29:26
Audit Action: Manually Integrated
Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

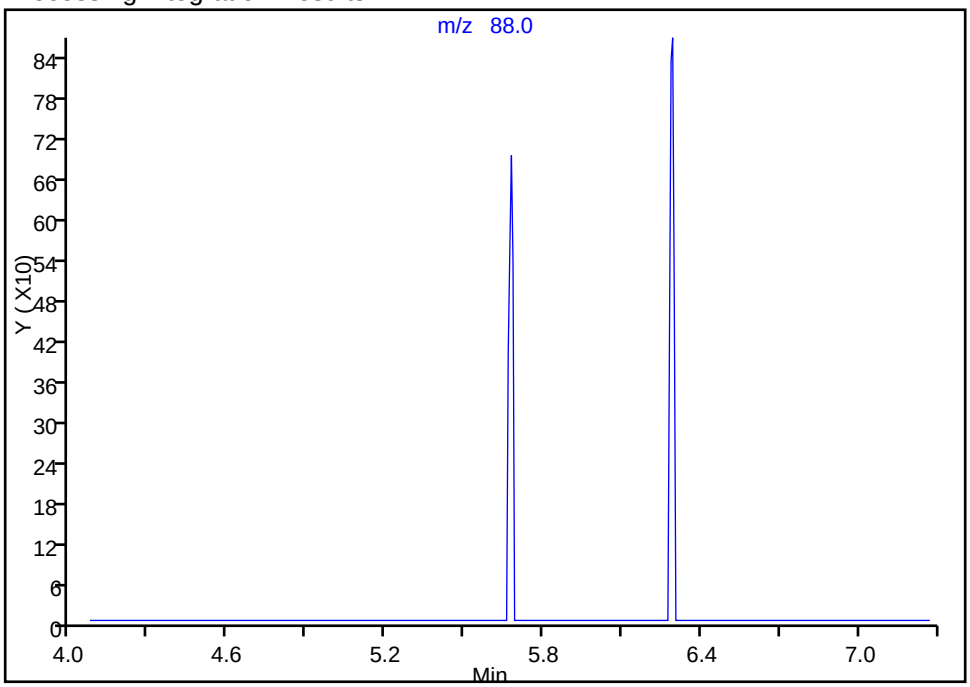
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6126.D
Injection Date: 26-Oct-2015 19:38:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: JG ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

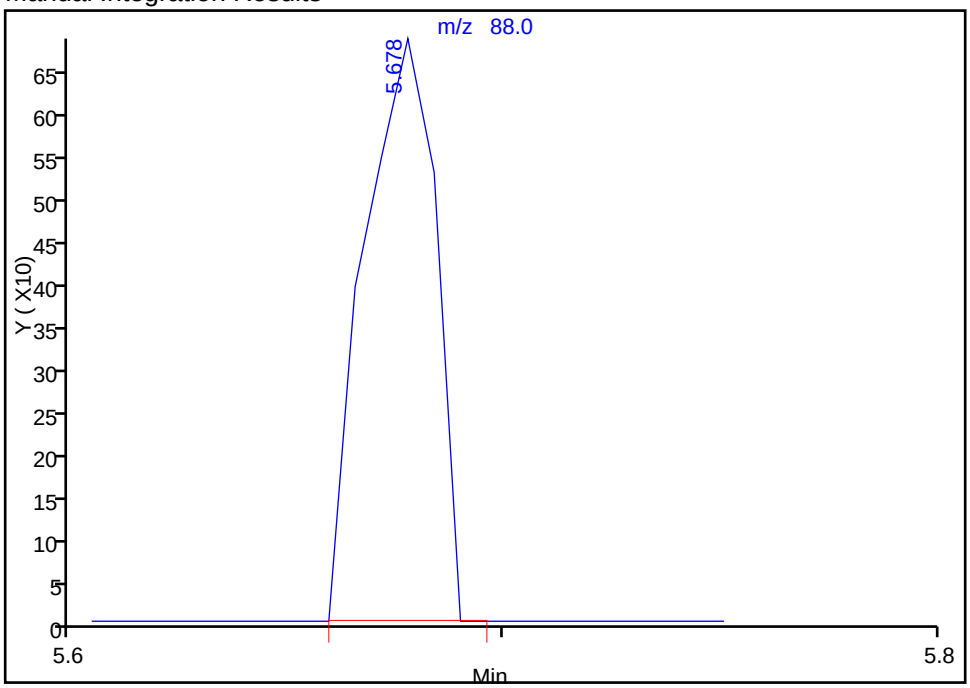
Processing Integration Results

Not Detected
Expected RT: 5.67



Manual Integration Results

RT: 5.68
Area: 786
Amount: 14.060439
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:29:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Oct-2015 20:04:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0047687-007
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:48 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:06:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	88233	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	157137	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	94	181110	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	96	117743	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	70214	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	373536	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	125640	25.0	24.9	
10 Dichlorodifluoromethane	85	1.462	1.462	0.000	97	13040	2.00	2.17	
12 Chloromethane	50	1.590	1.602	-0.012	97	15129	2.00	2.20	
144 Butadiene	54	1.729	1.723	0.006	93	13988	2.00	2.19	
13 Vinyl chloride	62	1.723	1.729	-0.006	96	14212	2.00	2.13	
14 Bromomethane	94	2.028	2.015	0.013	90	8901	2.00	2.08	
15 Chloroethane	64	2.125	2.113	0.012	97	8486	2.00	2.05	
16 Dichlorofluoromethane	67	2.332	2.326	0.006	96	23072	2.00	2.22	
17 Trichlorofluoromethane	101	2.368	2.362	0.006	95	18111	2.00	2.08	
18 Ethyl ether	59	2.587	2.587	0.000	91	11651	2.00	1.99	
20 Acrolein	56	2.739	2.745	-0.006	97	7479	10.0	9.66	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	98	11206	2.00	2.11	
21 1,1,2-Trichloro-1,2,2-trif	101	2.818	2.824	-0.006	89	10872	2.00	2.07	
23 Acetone	43	2.898	2.891	0.007	99	34347	10.0	10.8	
25 Iodomethane	142	2.934	2.934	0.000	99	21763	2.00	2.00	
26 Carbon disulfide	76	2.977	2.976	0.001	99	37116	2.00	2.12	
28 3-Chloro-1-propene	41	3.123	3.122	0.001	90	19826	2.00	1.98	
27 Methyl acetate	43	3.165	3.159	0.006	98	90306	10.0	10.9	M
30 Methylene Chloride	84	3.250	3.244	0.006	96	13385	2.00	1.74	
31 2-Methyl-2-propanol	59	3.396	3.378	0.018	95	16252	20.0	20.4	
32 Methyl tert-butyl ether	73	3.451	3.445	0.006	95	41031	2.00	2.04	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	98	11642	2.00	2.01	
33 Acrylonitrile	53	3.482	3.481	0.001	98	79712	20.0	20.6	
35 Hexane	57	3.640	3.640	0.000	94	16202	2.00	2.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	96	20777	2.00	1.96	
37 Vinyl acetate	43	3.847	3.846	0.001	97	46256	4.00	3.81	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	89	13437	2.00	2.09	
45 cis-1,2-Dichloroethene	96	4.272	4.266	0.006	82	12829	2.00	2.02	
43 2-Butanone (MEK)	43	4.291	4.284	0.007	100	52601	10.0	10.5	
48 Chlorobromomethane	128	4.461	4.461	0.000	94	6515	2.00	1.93	
49 Tetrahydrofuran	42	4.491	4.479	0.012	88	15864	4.00	4.37	
50 Chloroform	83	4.522	4.516	0.006	95	20417	2.00	2.07	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	97	16426	2.00	1.95	
52 Cyclohexane	56	4.650	4.656	-0.006	93	20379	2.00	2.07	
55 Carbon tetrachloride	117	4.753	4.747	0.006	82	14200	2.00	1.90	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	93	15660	2.00	2.04	
53 Isobutyl alcohol	43	4.881	4.875	0.006	88	36572	50.0	78.1	
57 Benzene	78	4.911	4.911	0.000	96	44596	2.00	2.00	
58 1,2-Dichloroethane	62	4.948	4.948	0.000	97	17184	2.00	1.98	
59 n-Heptane	43	5.063	5.057	0.006	94	16323	2.00	2.15	
62 Trichloroethene	95	5.392	5.392	0.000	96	11411	2.00	2.03	
64 Methylcyclohexane	83	5.507	5.507	0.000	93	17795	2.00	2.02	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	93	10305	2.00	1.91	
66 1,4-Dioxane	88	5.672	5.671	0.001	1	2614	40.0	44.1	M
67 Dibromomethane	93	5.678	5.678	0.000	92	7446	2.00	1.99	
68 Dichlorobromomethane	83	5.787	5.787	0.000	97	13041	2.00	1.85	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	90	7108	2.00	1.87	
77 trans-1,3-Dichloropropene	75	6.110	6.103	0.007	95	15921	2.00	1.93	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.201	0.006	97	98391	10.0	11.0	
74 Toluene	92	6.341	6.341	0.000	98	26510	2.00	2.03	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	98	13618	2.00	1.85	
75 Ethyl methacrylate	69	6.560	6.560	0.000	93	15246	2.00	1.98	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	92	7639	2.00	1.96	
81 Tetrachloroethene	166	6.754	6.754	0.000	95	11369	2.00	1.98	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	88	16040	2.00	1.98	
80 2-Hexanone	43	6.834	6.833	0.001	97	71090	10.0	11.2	
83 Chlorodibromomethane	129	6.986	6.985	0.001	87	9789	2.00	1.79	
84 Ethylene Dibromide	107	7.077	7.071	0.006	99	10029	2.00	1.92	
87 Chlorobenzene	112	7.436	7.430	0.006	97	29122	2.00	2.06	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.497	0.001	45	10324	2.00	1.85	
88 Ethylbenzene	91	7.497	7.497	0.001	98	47668	2.00	2.05	
90 m-Xylene & p-Xylene	106	7.588	7.588	0.000	0	19669	2.00	2.02	
91 o-Xylene	106	7.910	7.904	0.006	96	19759	2.00	1.97	
92 Styrene	104	7.922	7.922	0.000	95	31544	2.00	1.98	
95 Bromoform	173	8.111	8.111	0.000	96	6216	2.00	1.69	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	51186	2.00	2.06	
101 Bromobenzene	156	8.470	8.470	0.000	94	13573	2.00	2.04	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	96	15412	2.00	2.00	
100 1,2,3-Trichloropropane	110	8.506	8.512	-0.006	88	5713	2.00	2.09	
98 trans-1,4-Dichloro-2-buten	53	8.506	8.512	-0.006	74	4822	2.00	2.03	
99 N-Propylbenzene	91	8.519	8.519	0.000	99	55840	2.00	2.05	
103 2-Chlorotoluene	126	8.616	8.610	0.006	96	11802	2.00	1.97	
102 1,3,5-Trimethylbenzene	105	8.659	8.658	0.001	95	42634	2.00	2.01	
105 4-Chlorotoluene	126	8.701	8.701	0.000	97	13016	2.00	2.08	
106 tert-Butylbenzene	134	8.926	8.926	0.000	92	9419	2.00	1.97	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	97	44875	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.103	9.103	0.000	94	50762	2.00	2.02	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	46725	2.00	2.03	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	26057	2.00	2.03	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	95	26989	2.00	2.09	
115 n-Butylbenzene	91	9.559	9.559	0.000	97	37628	2.00	2.03	
116 1,2-Dichlorobenzene	146	9.614	9.614	0.000	98	26152	2.00	2.03	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.271	0.000	84	3839	2.00	2.06	
119 1,2,4-Trichlorobenzene	180	10.934	10.934	0.000	93	18965	2.00	2.06	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	96	7151	2.00	2.10	
121 Naphthalene	128	11.141	11.134	0.007	97	64784	2.00	2.14	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	18884	2.00	2.14	
S 125 1,2-Dichloroethene, Total	1				0			4.03	
S 126 1,3-Dichloropropene, Total	1				0			3.78	
S 123 Total BTEX	1				0			10.1	
S 124 Xylenes, Total	1				0			3.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	2.00	Units: uL	
GAS CORP mix_00116	Amount Added:	2.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

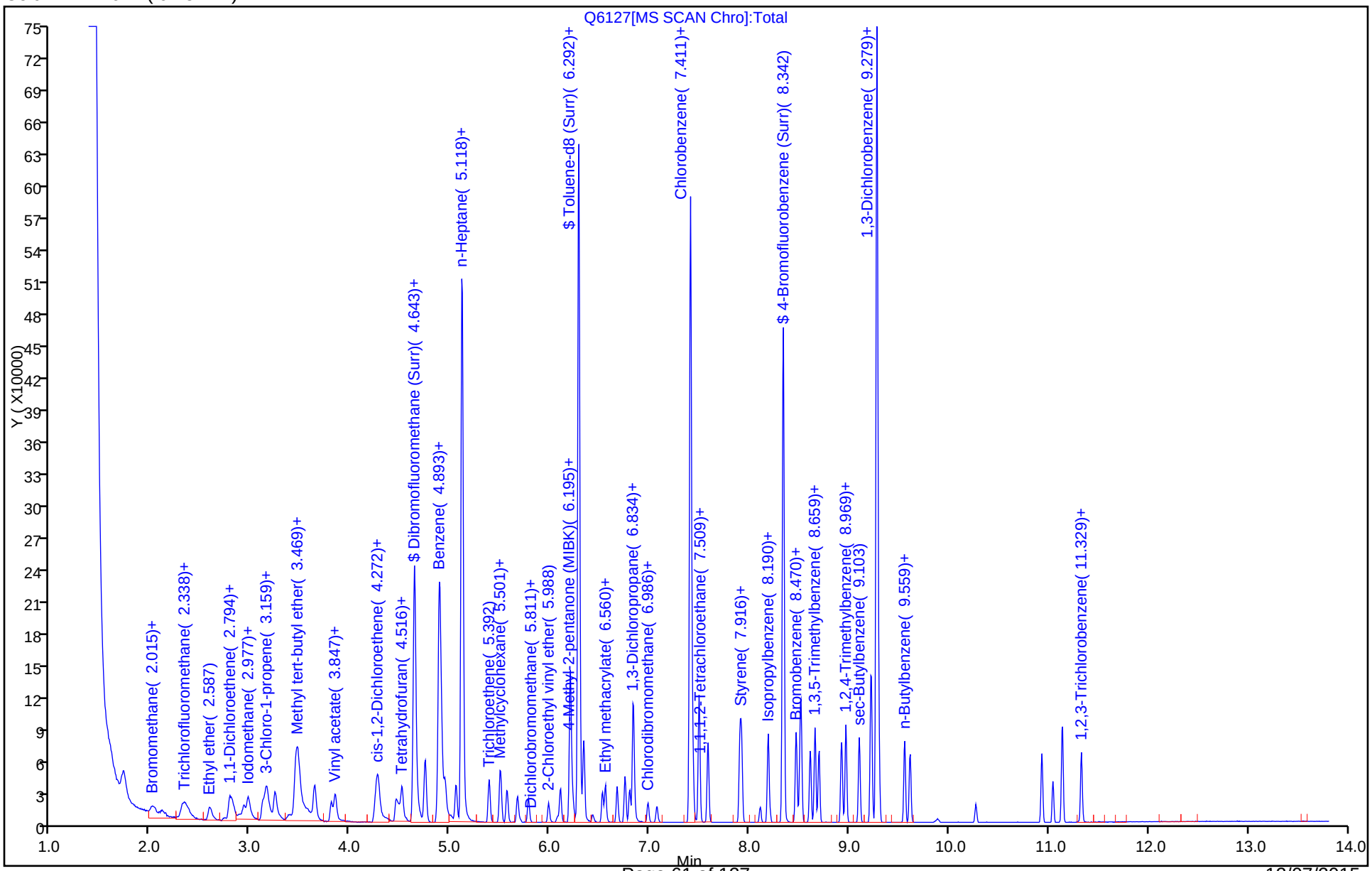
Report Date: 27-Oct-2015 21:05:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D

Injection Date:	26-Oct-2015 20:04:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

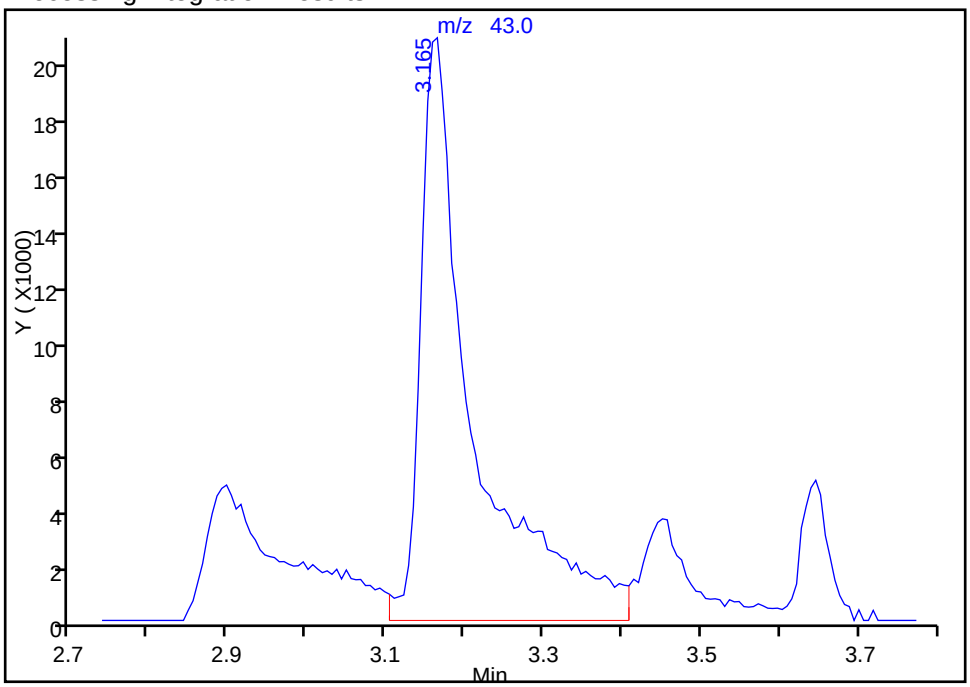
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D
Injection Date: 26-Oct-2015 20:04:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: JG ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

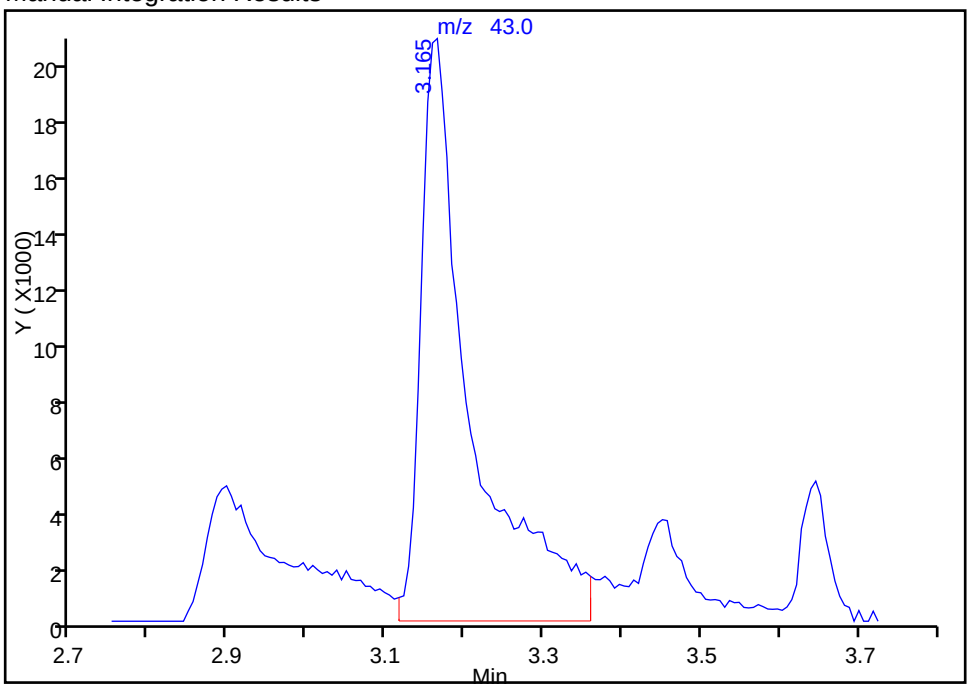
Processing Integration Results

RT: 3.17
Area: 95016
Amount: 11.458332
Amount Units: ug/L



Manual Integration Results

RT: 3.17
Area: 90306
Amount: 10.915429
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:40:09
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

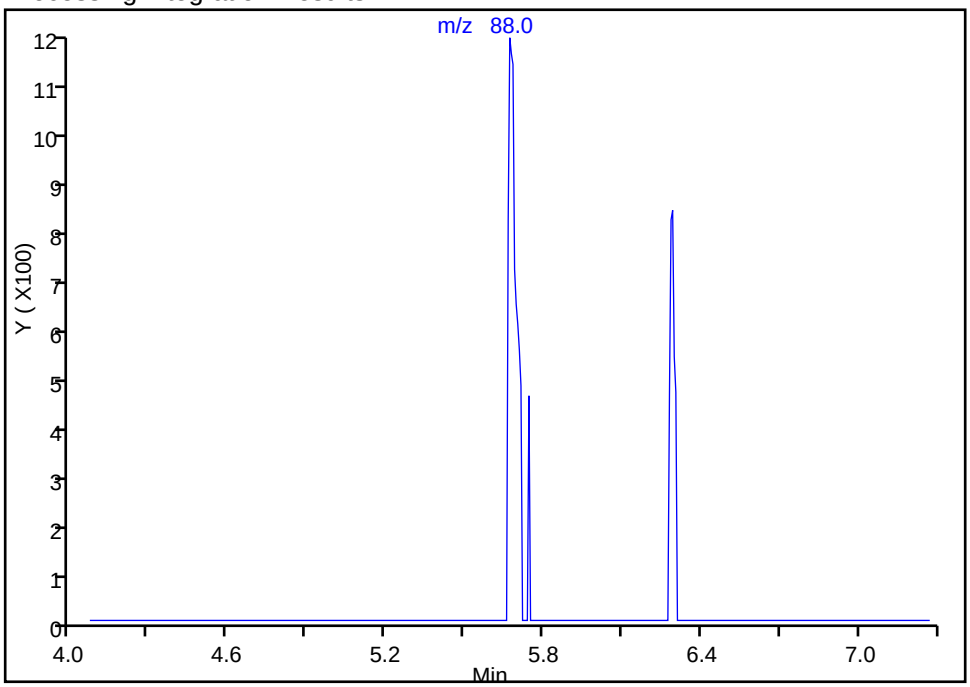
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6127.D
Injection Date: 26-Oct-2015 20:04:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: JG ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

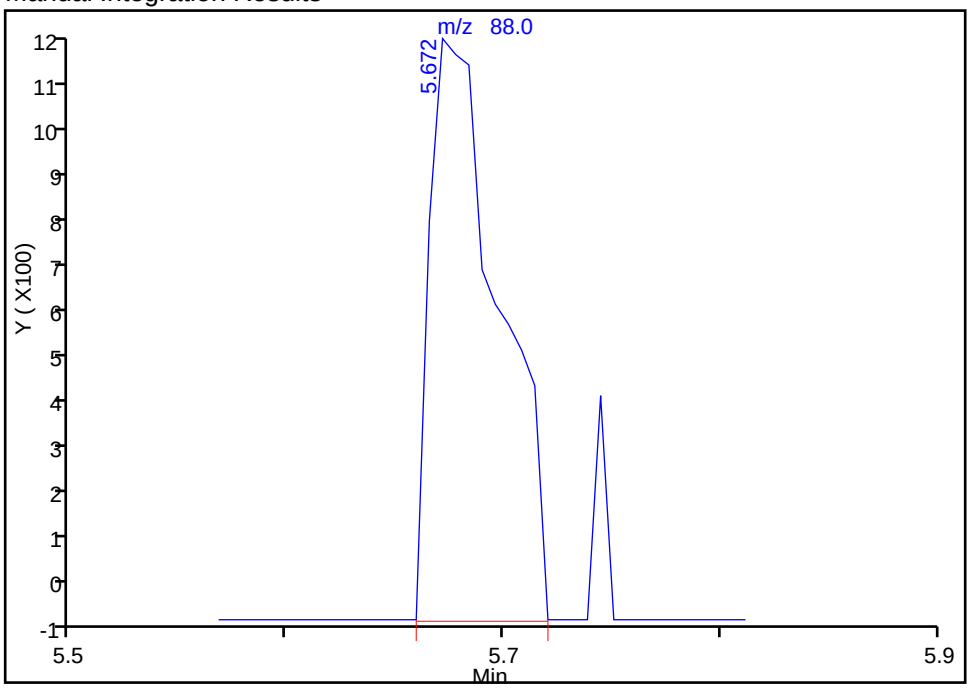
Not Detected
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67
Area: 2614
Amount: 44.126621
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:34:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6128.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Oct-2015 20:30:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0047687-008
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:52 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:23:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	98	86214	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	160769	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	95	187582	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	95	119900	25.0	25.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	70315	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	93	384940	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	128536	25.0	24.8	
10 Dichlorodifluoromethane	85	1.474	1.462	0.012	98	31933	5.00	5.45	
12 Chloromethane	50	1.595	1.602	-0.007	99	35952	5.00	5.35	
144 Butadiene	54	1.729	1.723	0.006	89	34802	5.00	5.57	
13 Vinyl chloride	62	1.723	1.729	-0.006	70	34341	5.00	5.28	
14 Bromomethane	94	2.021	2.015	0.006	91	21734	5.00	5.20	
15 Chloroethane	64	2.118	2.113	0.005	98	21999	5.00	5.45	
16 Dichlorofluoromethane	67	2.325	2.326	-0.001	96	53441	5.00	5.27	
17 Trichlorofluoromethane	101	2.362	2.362	0.000	93	44166	5.00	5.19	
18 Ethyl ether	59	2.587	2.587	0.000	91	30973	5.00	5.42	
20 Acrolein	56	2.745	2.745	0.000	98	19414	25.0	25.7	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	99	28004	5.00	5.40	
21 1,1,2-Trichloro-1,2,2-trif	101	2.824	2.824	0.000	91	29040	5.00	5.66	
23 Acetone	43	2.891	2.891	0.000	99	67789	25.0	26.3	
25 Iodomethane	142	2.940	2.934	0.006	100	55936	5.00	5.26	
26 Carbon disulfide	76	2.982	2.976	0.006	99	92245	5.00	5.39	
28 3-Chloro-1-propene	41	3.128	3.122	0.006	90	51792	5.00	5.29	
27 Methyl acetate	43	3.159	3.159	0.000	98	200917	25.0	28.0	
30 Methylene Chloride	84	3.250	3.244	0.006	95	32149	5.00	5.46	
31 2-Methyl-2-propanol	59	3.384	3.378	0.006	99	42415	50.0	54.4	
32 Methyl tert-butyl ether	73	3.451	3.445	0.006	96	101985	5.00	5.18	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	99	29697	5.00	5.24	
33 Acrylonitrile	53	3.481	3.481	0.000	99	194670	50.0	51.4	
35 Hexane	57	3.645	3.640	0.005	94	42144	5.00	5.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.810	0.000	96	54669	5.00	5.29	
37 Vinyl acetate	43	3.846	3.846	0.000	97	119344	10.0	10.1	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	89	32229	5.00	5.14	
45 cis-1,2-Dichloroethene	96	4.272	4.266	0.006	82	32248	5.00	5.20	
43 2-Butanone (MEK)	43	4.284	4.284	0.000	100	125243	25.0	25.6	
48 Chlorobromomethane	128	4.461	4.461	0.000	95	17657	5.00	5.35	
49 Tetrahydrofuran	42	4.485	4.479	0.006	90	37311	10.0	10.5	
50 Chloroform	83	4.521	4.516	0.005	94	51487	5.00	5.34	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	98	44200	5.00	5.38	
52 Cyclohexane	56	4.655	4.656	-0.001	94	52588	5.00	5.48	
55 Carbon tetrachloride	117	4.753	4.747	0.006	97	38134	5.00	5.22	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	94	39724	5.00	5.30	
53 Isobutyl alcohol	43	4.874	4.875	-0.001	93	58939	125.0	131.1	
57 Benzene	78	4.911	4.911	0.000	95	114755	5.00	5.27	
58 1,2-Dichloroethane	62	4.953	4.948	0.005	97	43212	5.00	5.09	
59 n-Heptane	43	5.063	5.057	0.006	95	39665	5.00	5.35	
62 Trichloroethene	95	5.391	5.392	-0.001	95	29094	5.00	5.29	
64 Methylcyclohexane	83	5.507	5.507	0.000	91	47155	5.00	5.48	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	93	27259	5.00	5.17	
66 1,4-Dioxane	88	5.671	5.671	0.000	40	5411	100.0	89.3	
67 Dibromomethane	93	5.677	5.678	-0.001	92	19346	5.00	5.30	
68 Dichlorobromomethane	83	5.787	5.787	0.000	98	34963	5.00	5.09	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	93	19331	5.00	5.22	
77 trans-1,3-Dichloropropene	75	6.103	6.103	0.000	96	41117	5.00	4.87	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.201	0.006	97	244222	25.0	26.8	
74 Toluene	92	6.340	6.341	-0.001	98	66858	5.00	5.00	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	97	36750	5.00	5.11	
75 Ethyl methacrylate	69	6.559	6.560	-0.001	92	39374	5.00	5.01	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	91	20005	5.00	5.02	
81 Tetrachloroethene	166	6.754	6.754	0.000	97	30823	5.00	5.25	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	91	40890	5.00	4.94	
80 2-Hexanone	43	6.833	6.833	0.000	97	179522	25.0	27.7	
83 Chlorodibromomethane	129	6.985	6.985	0.000	89	26818	5.00	4.78	
84 Ethylene Dibromide	107	7.070	7.071	-0.001	98	26411	5.00	4.94	
87 Chlorobenzene	112	7.435	7.430	0.005	96	73342	5.00	5.08	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.497	0.000	46	28123	5.00	4.92	
88 Ethylbenzene	91	7.496	7.497	0.000	98	122927	5.00	5.16	
90 m-Xylene & p-Xylene	106	7.588	7.588	0.000	0	50206	5.00	5.04	
91 o-Xylene	106	7.904	7.904	0.000	96	51836	5.00	5.06	
92 Styrene	104	7.922	7.922	0.000	96	82932	5.00	5.10	
95 Bromoform	173	8.111	8.111	0.000	95	17063	5.00	4.53	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	131319	5.00	5.11	
101 Bromobenzene	156	8.470	8.470	0.000	94	34783	5.00	5.04	
97 1,1,2,2-Tetrachloroethane	83	8.476	8.470	0.006	96	40187	5.00	5.03	
100 1,2,3-Trichloropropane	110	8.506	8.512	-0.006	87	14380	5.00	5.07	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.512	0.000	74	12759	5.00	5.18	
99 N-Propylbenzene	91	8.518	8.519	-0.001	98	146122	5.00	5.18	
103 2-Chlorotoluene	126	8.610	8.610	0.000	97	31350	5.00	5.06	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	96	111242	5.00	5.07	
105 4-Chlorotoluene	126	8.701	8.701	0.000	97	31671	5.00	4.90	
106 tert-Butylbenzene	134	8.926	8.926	0.000	92	25908	5.00	5.24	
107 1,2,4-Trimethylbenzene	105	8.968	8.969	-0.001	97	115587	5.00	5.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.103	-0.001	94	135586	5.00	5.20	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	123469	5.00	5.17	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	66529	5.00	5.00	
113 1,4-Dichlorobenzene	146	9.297	9.303	-0.006	97	67678	5.00	5.07	
115 n-Butylbenzene	91	9.559	9.559	0.000	97	98439	5.00	5.14	
116 1,2-Dichlorobenzene	146	9.613	9.614	-0.001	98	65669	5.00	4.93	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.271	-0.001	88	9272	5.00	4.80	
119 1,2,4-Trichlorobenzene	180	10.933	10.934	-0.001	95	47136	5.00	4.95	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	97	18519	5.00	5.26	
121 Naphthalene	128	11.140	11.134	0.006	97	156675	5.00	5.00	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	44780	5.00	4.90	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.97	
S 123 Total BTEX	1				0			25.5	
S 124 Xylenes, Total	1				0			10.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	5.00	Units: uL	
GAS CORP mix_00116	Amount Added:	5.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

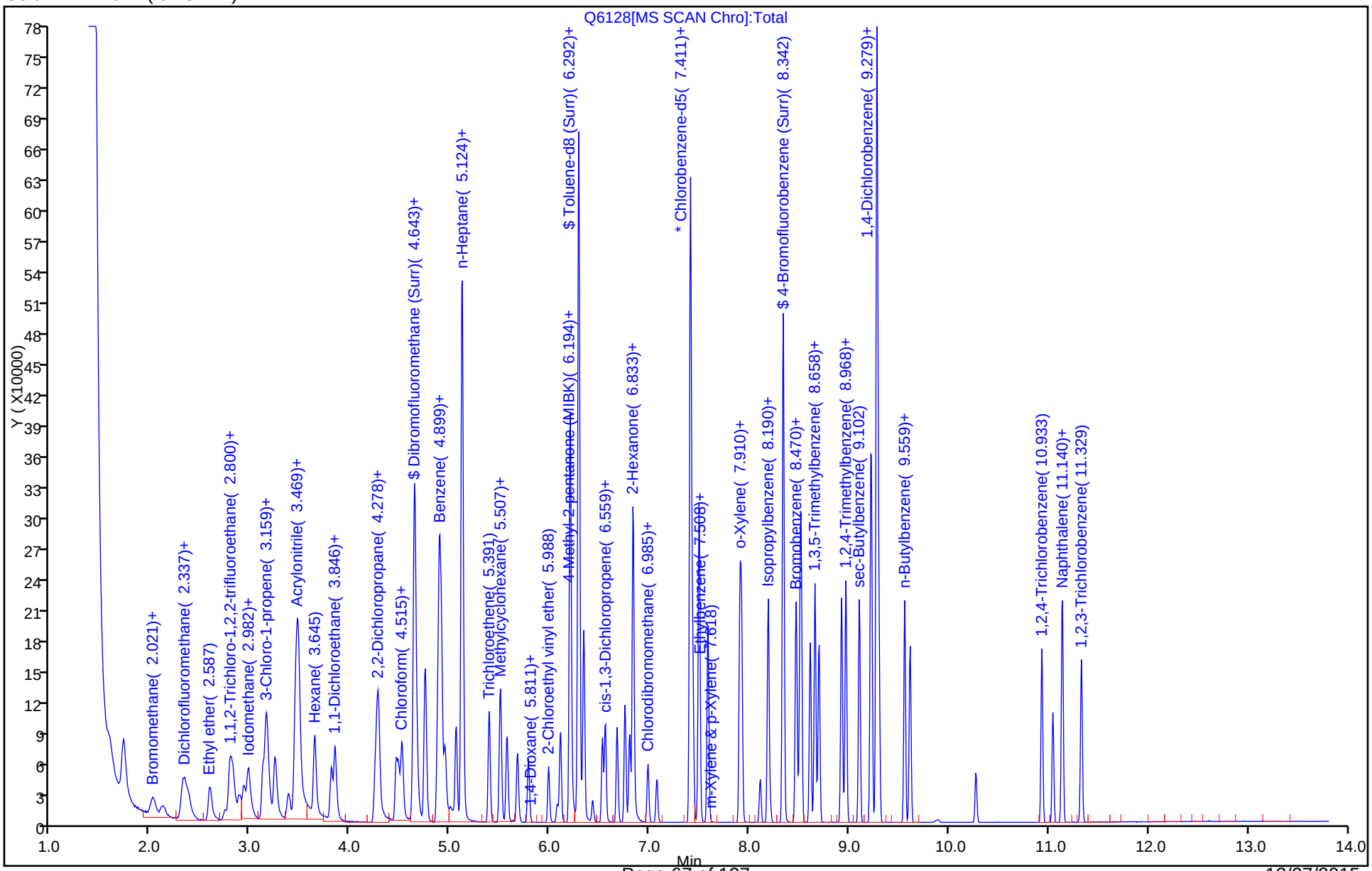
Report Date: 27-Oct-2015 21:05:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6128.D

Injection Date:	26-Oct-2015 20:30:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

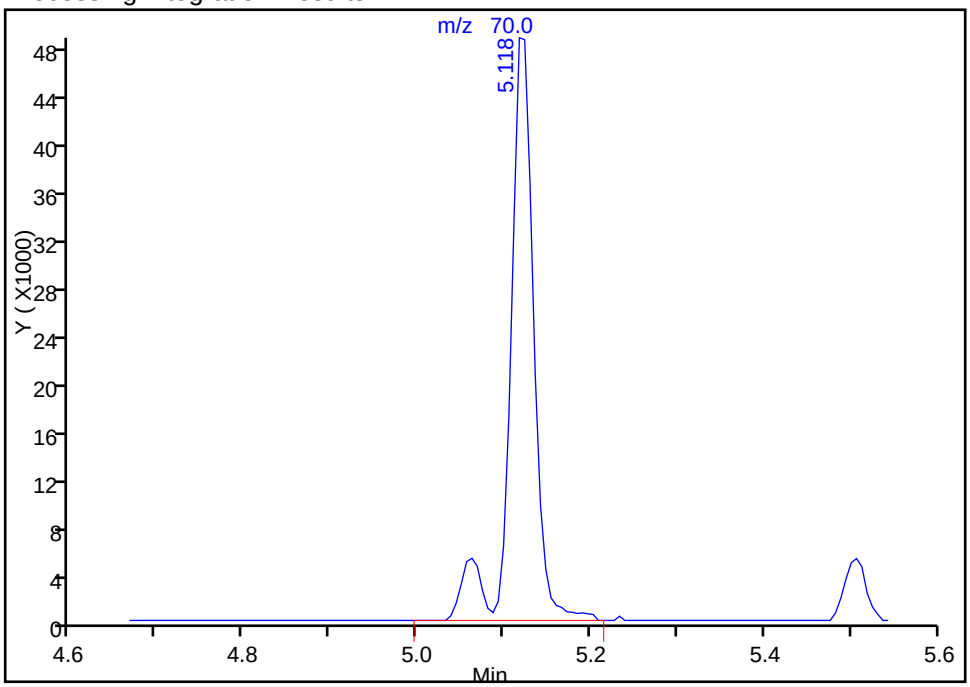
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6128.D
Injection Date: 26-Oct-2015 20:30:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: JG ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

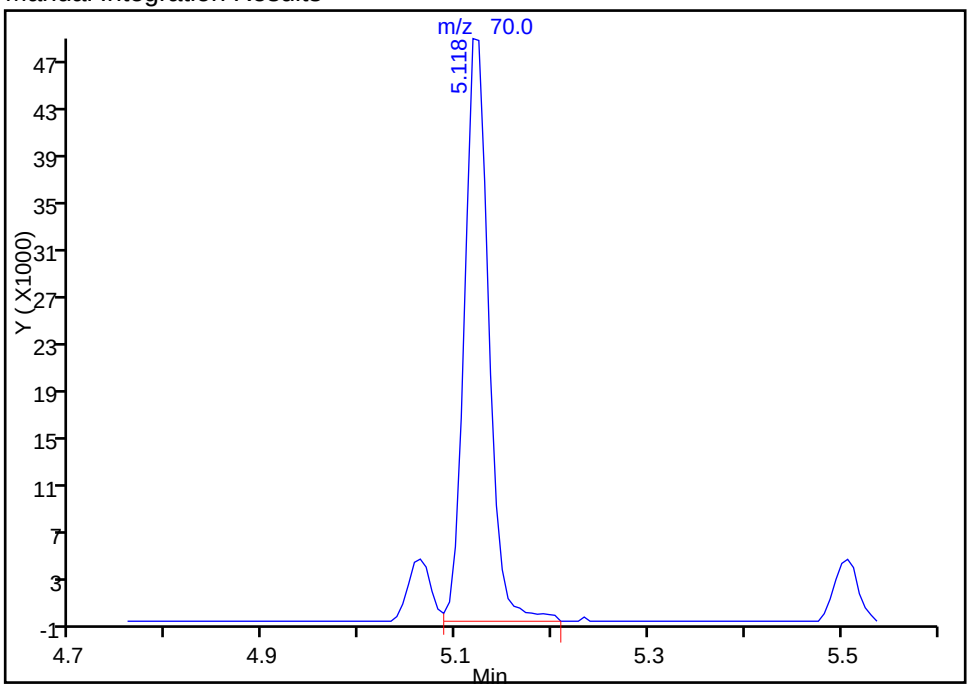
Processing Integration Results

RT: 5.12
Area: 94650
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 86214
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:38:31
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Oct-2015 20:55:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0047687-009
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:56 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:28:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.122	5.122	0.000	99	86140	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.409	7.409	0.000	86	155489	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.277	9.277	0.000	94	180589	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.641	4.641	0.000	95	119198	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.891	4.891	0.000	0	70251	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	6.290	6.290	0.000	93	378660	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	8.340	8.340	0.000	94	125183	25.0	25.0	
10 Dichlorodifluoromethane	85	1.460	1.460	0.000	99	58223	10.0	9.94	
12 Chloromethane	50	1.593	1.593	0.000	100	67550	10.0	10.1	
144 Butadiene	54	1.721	1.721	0.000	92	63172	10.0	10.1	
13 Vinyl chloride	62	1.715	1.715	0.000	85	64181	10.0	9.87	
14 Bromomethane	94	2.013	2.013	0.000	90	40326	10.0	9.66	
15 Chloroethane	64	2.117	2.117	0.000	99	40700	10.0	10.1	
16 Dichlorofluoromethane	67	2.324	2.324	0.000	96	99803	10.0	9.85	
17 Trichlorofluoromethane	101	2.348	2.348	0.000	74	82256	10.0	9.67	
18 Ethyl ether	59	2.585	2.585	0.000	92	55160	10.0	9.66	
20 Acrolein	56	2.743	2.743	0.000	99	39815	50.0	52.7	
22 1,1-Dichloroethene	96	2.792	2.792	0.000	98	50121	10.0	9.68	
21 1,1,2-Trichloro-1,2,2-trif	101	2.816	2.816	0.000	91	50899	10.0	9.93	
23 Acetone	43	2.895	2.895	0.000	99	133188	50.0	55.8	
25 Iodomethane	142	2.932	2.932	0.000	99	104733	10.0	9.86	
26 Carbon disulfide	76	2.974	2.974	0.000	100	165712	10.0	9.68	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	91	90950	10.0	9.30	
27 Methyl acetate	43	3.157	3.157	0.000	98	394045	50.0	57.5	M
30 Methylene Chloride	84	3.248	3.248	0.000	95	58006	10.0	10.5	
31 2-Methyl-2-propanol	59	3.382	3.382	0.000	99	64572	100.0	82.9	
32 Methyl tert-butyl ether	73	3.443	3.443	0.000	96	181985	10.0	9.25	
34 trans-1,2-Dichloroethene	96	3.455	3.455	0.000	98	54943	10.0	9.69	
33 Acrylonitrile	53	3.479	3.479	0.000	98	367274	100.0	97.1	
35 Hexane	57	3.644	3.644	0.000	94	67260	10.0	8.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.808	3.808	0.000	96	101835	10.0	9.86	
37 Vinyl acetate	43	3.844	3.844	0.000	97	231443	20.0	19.5	
44 2,2-Dichloropropane	77	4.252	4.252	0.000	93	59932	10.0	9.56	
45 cis-1,2-Dichloroethene	96	4.270	4.270	0.000	85	61492	10.0	9.92	
43 2-Butanone (MEK)	43	4.282	4.282	0.000	100	230640	50.0	47.2	
48 Chlorobromomethane	128	4.459	4.459	0.000	95	33587	10.0	10.2	
49 Tetrahydrofuran	42	4.483	4.483	0.000	89	67351	20.0	19.0	
50 Chloroform	83	4.520	4.520	0.000	94	94062	10.0	9.77	
51 1,1,1-Trichloroethane	97	4.629	4.629	0.000	98	80243	10.0	9.78	
52 Cyclohexane	56	4.653	4.653	0.000	94	92026	10.0	9.59	
55 Carbon tetrachloride	117	4.745	4.745	0.000	97	69906	10.0	9.57	
54 1,1-Dichloropropene	75	4.751	4.751	0.000	95	72231	10.0	9.64	
53 Isobutyl alcohol	43	4.879	4.879	0.000	95	127216	250.0	287.5	
57 Benzene	78	4.915	4.915	0.000	96	206968	10.0	9.51	
58 1,2-Dichloroethane	62	4.952	4.952	0.000	97	81349	10.0	9.58	
59 n-Heptane	43	5.061	5.061	0.000	94	65492	10.0	8.84	
62 Trichloroethene	95	5.390	5.390	0.000	95	53170	10.0	9.68	
64 Methylcyclohexane	83	5.505	5.505	0.000	92	80787	10.0	9.40	
65 1,2-Dichloropropane	63	5.572	5.572	0.000	94	50044	10.0	9.50	
66 1,4-Dioxane	88	5.676	5.676	0.000	39	11080	200.0	189.0	
67 Dibromomethane	93	5.676	5.676	0.000	92	35647	10.0	9.77	
68 Dichlorobromomethane	83	5.785	5.785	0.000	98	66085	10.0	9.62	
69 2-Chloroethyl vinyl ether	63	5.986	5.986	0.000	93	35539	10.0	9.60	
77 trans-1,3-Dichloropropene	75	6.107	6.107	0.000	95	78198	10.0	9.57	
73 4-Methyl-2-pentanone (MIBK	43	6.205	6.205	0.000	97	449694	50.0	51.0	
74 Toluene	92	6.339	6.339	0.000	99	123431	10.0	9.55	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.000	98	67856	10.0	9.44	
75 Ethyl methacrylate	69	6.558	6.558	0.000	91	72047	10.0	9.48	
79 1,1,2-Trichloroethane	83	6.673	6.673	0.000	92	36252	10.0	9.40	
81 Tetrachloroethene	166	6.752	6.752	0.000	98	54784	10.0	9.65	
82 1,3-Dichloropropane	76	6.801	6.801	0.000	89	75287	10.0	9.41	
80 2-Hexanone	43	6.831	6.831	0.000	97	310440	50.0	49.6	
83 Chlorodibromomethane	129	6.983	6.983	0.000	90	51892	10.0	9.57	
84 Ethylene Dibromide	107	7.075	7.075	0.000	98	49440	10.0	9.55	
87 Chlorobenzene	112	7.434	7.434	0.000	96	134596	10.0	9.63	
89 1,1,1,2-Tetrachloroethane	131	7.494	7.494	0.000	46	52909	10.0	9.56	
88 Ethylbenzene	91	7.494	7.494	0.000	98	220315	10.0	9.57	
90 m-Xylene & p-Xylene	106	7.586	7.586	0.000	0	90580	10.0	9.40	
91 o-Xylene	106	7.908	7.908	0.000	96	94984	10.0	9.58	
92 Styrene	104	7.920	7.920	0.000	96	149278	10.0	9.49	
95 Bromoform	173	8.109	8.109	0.000	97	33710	10.0	9.26	
94 Isopropylbenzene	105	8.188	8.188	0.000	95	239654	10.0	9.69	
101 Bromobenzene	156	8.468	8.468	0.000	94	62368	10.0	9.39	
97 1,1,2,2-Tetrachloroethane	83	8.474	8.474	0.000	94	75264	10.0	9.78	
100 1,2,3-Trichloropropane	110	8.510	8.510	0.000	87	25978	10.0	9.52	
98 trans-1,4-Dichloro-2-buten	53	8.510	8.510	0.000	78	22692	10.0	9.57	
99 N-Propylbenzene	91	8.523	8.523	0.000	99	260442	10.0	9.59	
103 2-Chlorotoluene	126	8.614	8.614	0.000	97	57027	10.0	9.55	
102 1,3,5-Trimethylbenzene	105	8.656	8.656	0.000	95	204521	10.0	9.68	
105 4-Chlorotoluene	126	8.699	8.699	0.000	97	57197	10.0	9.19	
106 tert-Butylbenzene	134	8.924	8.924	0.000	92	45757	10.0	9.62	
107 1,2,4-Trimethylbenzene	105	8.967	8.967	0.000	96	213165	10.0	9.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.101	9.101	0.000	94	242792	10.0	9.67	
110 4-Isopropyltoluene	119	9.216	9.216	0.000	97	221801	10.0	9.65	
111 1,3-Dichlorobenzene	146	9.228	9.228	0.000	99	118828	10.0	9.28	
113 1,4-Dichlorobenzene	146	9.301	9.301	0.000	96	122587	10.0	9.53	
115 n-Butylbenzene	91	9.557	9.557	0.000	97	175987	10.0	9.55	
116 1,2-Dichlorobenzene	146	9.612	9.612	0.000	98	121822	10.0	9.50	
117 1,2-Dibromo-3-Chloropropan	75	10.269	10.269	0.000	88	18710	10.0	10.1	
119 1,2,4-Trichlorobenzene	180	10.932	10.932	0.000	94	90708	10.0	9.90	
120 Hexachlorobutadiene	225	11.047	11.047	0.000	97	32272	10.0	9.51	
121 Naphthalene	128	11.138	11.138	0.000	97	308771	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	11.327	11.327	0.000	96	87757	10.0	9.97	
S 125 1,2-Dichloroethene, Total	1				0			19.6	
S 126 1,3-Dichloropropene, Total	1				0			19.0	
S 123 Total BTEX	1				0			47.6	
S 124 Xylenes, Total	1				0			19.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	5.00	Units: uL	
GAS CORP mix_00116	Amount Added:	5.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

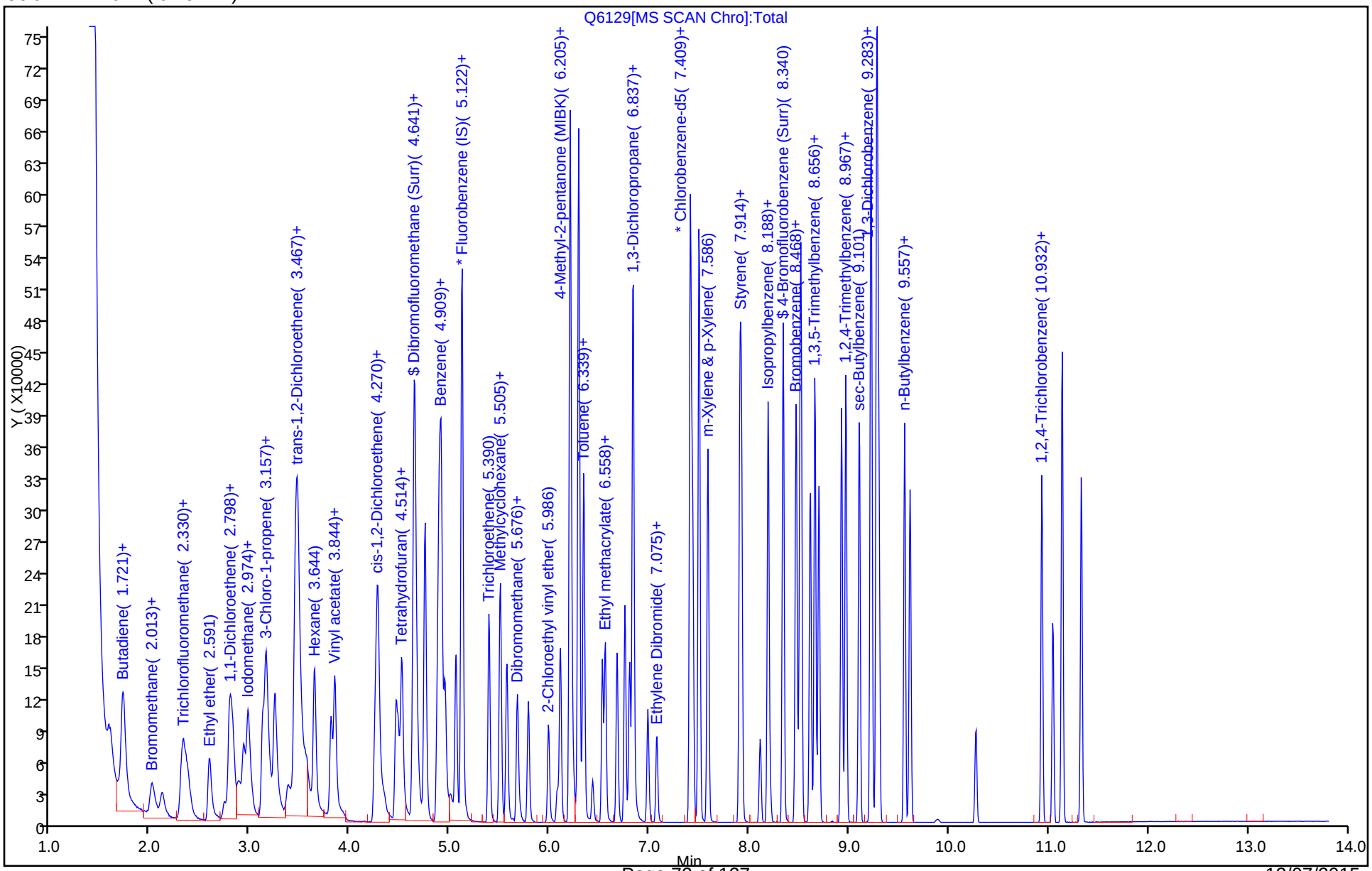
Report Date: 27-Oct-2015 21:05:58 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D

Injection Date:	26-Oct-2015 20:55:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



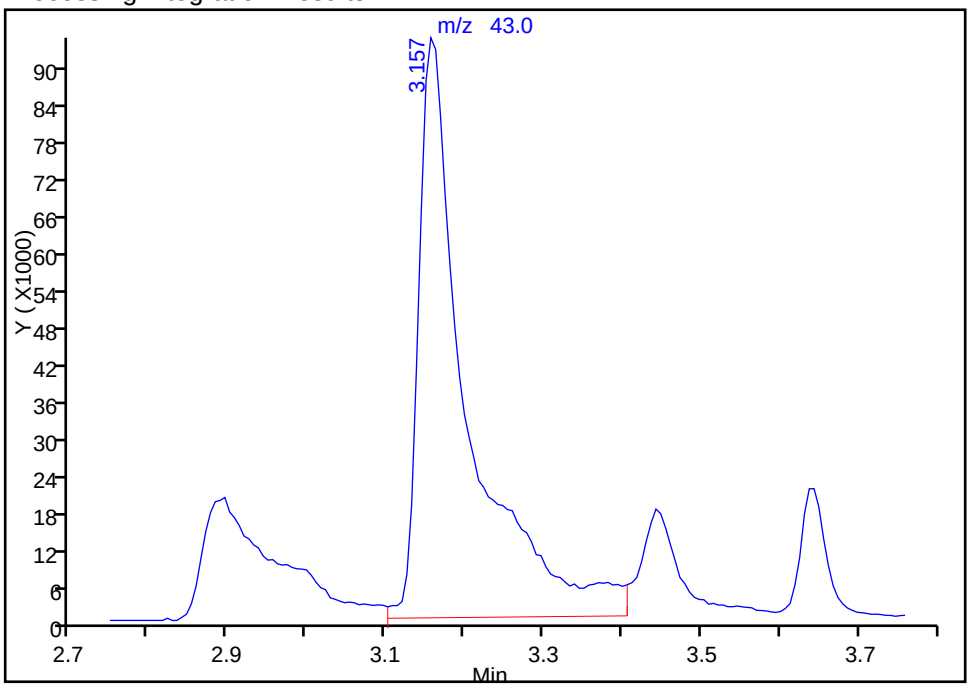
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D
Injection Date: 26-Oct-2015 20:55:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: JG ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

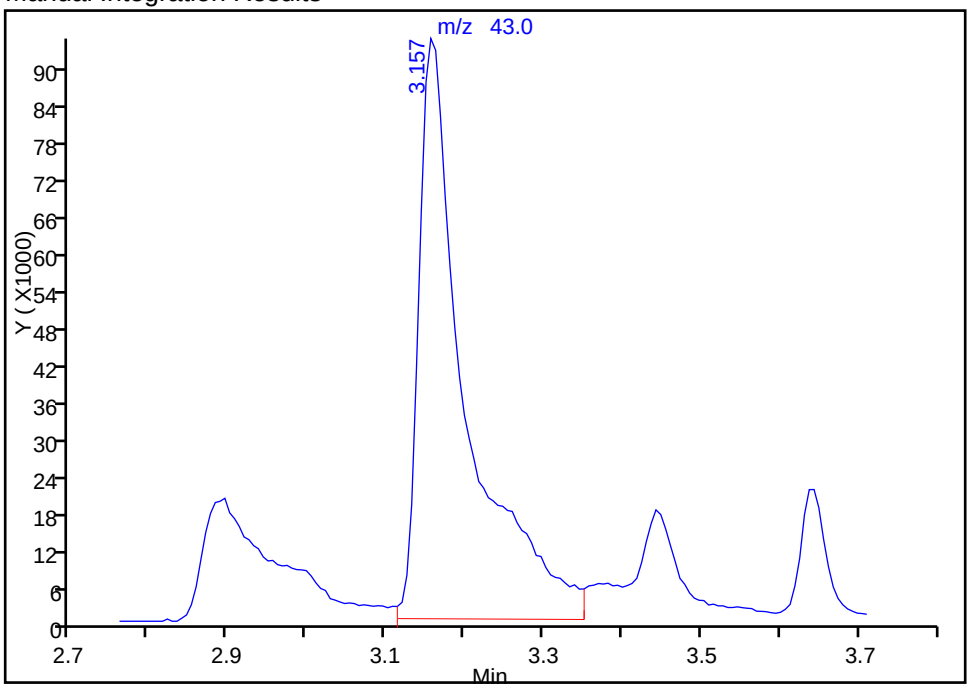
Processing Integration Results

RT: 3.16
Area: 410064
Amount: 59.602941
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 394045
Amount: 57.466019
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:39:40
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

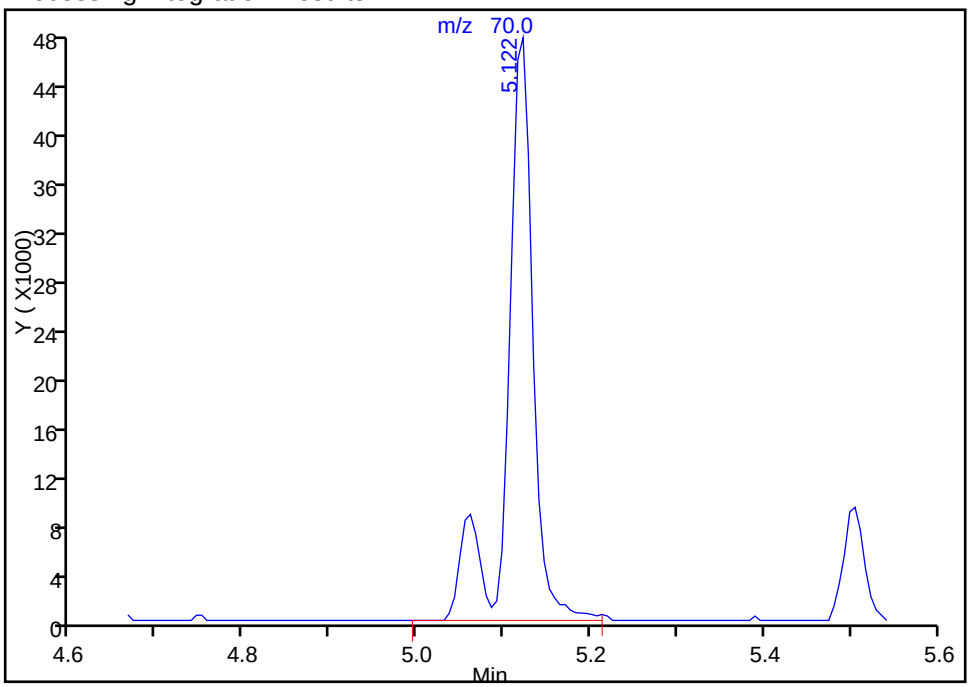
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6129.D
Injection Date: 26-Oct-2015 20:55:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: JG ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

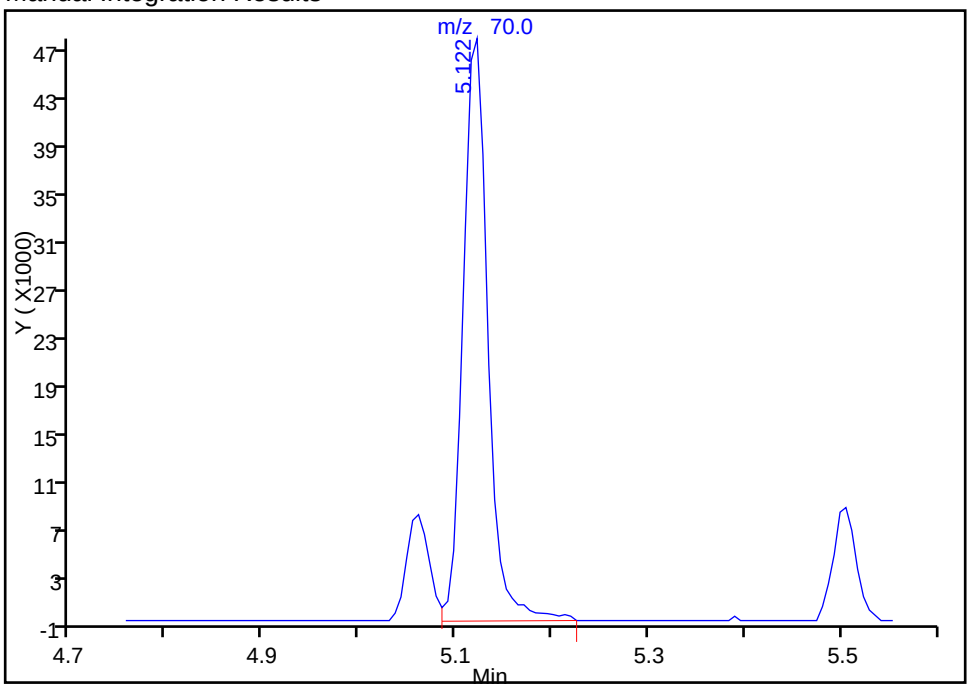
Processing Integration Results

RT: 5.12
Area: 99715
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 86140
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:40:41
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D
Lims ID: ICIS 6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 26-Oct-2015 21:21:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 6
Misc. Info.: 480-0047687-010
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:08:56 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	97	91684	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.411	0.000	86	169973	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	76	196402	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	71	122543	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	71768	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.292	6.292	0.000	82	405992	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	94	136276	25.0	24.9	
10 Dichlorodifluoromethane	85	1.462	1.462	0.000	86	159020	25.0	25.5	
12 Chloromethane	50	1.602	1.602	0.000	89	167970	25.0	23.5	
13 Vinyl chloride	62	1.729	1.729	0.000	70	170853	25.0	24.7	
144 Butadiene	54	1.723	1.723	0.000	89	163555	25.0	24.6	
14 Bromomethane	94	2.015	2.015	0.000	88	105138	25.0	23.7	
15 Chloroethane	64	2.113	2.113	0.000	98	106163	25.0	24.7	
16 Dichlorofluoromethane	67	2.326	2.326	0.000	97	256054	25.0	23.7	
17 Trichlorofluoromethane	101	2.362	2.362	0.000	96	220671	25.0	24.4	
18 Ethyl ether	59	2.587	2.587	0.000	91	148871	25.0	24.5	
20 Acrolein	56	2.745	2.745	0.000	90	103801	125.0	129.0	
22 1,1-Dichloroethene	96	2.794	2.794	0.000	97	129430	25.0	23.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.824	2.824	0.000	86	130441	25.0	23.9	
23 Acetone	43	2.891	2.891	0.000	95	310230	125.0	127.2	
25 Iodomethane	142	2.934	2.934	0.000	99	273019	25.0	24.1	
26 Carbon disulfide	76	2.976	2.976	0.000	99	425982	25.0	23.4	
28 3-Chloro-1-propene	41	3.122	3.122	0.000	88	237051	25.0	22.8	
27 Methyl acetate	43	3.159	3.159	0.000	98	938335	125.0	131.7	
30 Methylene Chloride	84	3.244	3.244	0.000	88	150280	25.0	26.8	
31 2-Methyl-2-propanol	59	3.378	3.378	0.000	97	192031	250.0	231.7	
32 Methyl tert-butyl ether	73	3.445	3.445	0.000	86	506501	25.0	24.2	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	65	141730	25.0	23.5	
33 Acrylonitrile	53	3.481	3.481	0.000	99	945054	250.0	234.8	
35 Hexane	57	3.640	3.640	0.000	90	178011	25.0	22.2	
39 1,1-Dichloroethane	63	3.810	3.810	0.000	97	264476	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.846	3.846	0.000	97	630952	50.0	50.1	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	91	153923	25.0	23.1	
45 cis-1,2-Dichloroethene	96	4.266	4.266	0.000	83	160337	25.0	24.3	
43 2-Butanone (MEK)	43	4.284	4.284	0.000	93	598155	125.0	115.1	
48 Chlorobromomethane	128	4.461	4.461	0.000	93	88230	25.0	25.2	
49 Tetrahydrofuran	42	4.479	4.479	0.000	89	171220	50.0	45.4	
50 Chloroform	83	4.516	4.516	0.000	83	248301	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.000	94	208308	25.0	23.9	
52 Cyclohexane	56	4.656	4.656	0.000	93	233083	25.0	22.8	
55 Carbon tetrachloride	117	4.747	4.747	0.000	83	184633	25.0	23.8	
54 1,1-Dichloropropene	75	4.753	4.753	0.000	92	189616	25.0	23.8	
53 Isobutyl alcohol	43	4.875	4.875	0.000	94	272585	625.0	582.6	M
57 Benzene	78	4.911	4.911	0.000	96	546579	25.0	23.6	
58 1,2-Dichloroethane	62	4.948	4.948	0.000	81	213449	25.0	23.6	
59 n-Heptane	43	5.057	5.057	0.000	95	183309	25.0	23.2	
62 Trichloroethene	95	5.392	5.392	0.000	94	141690	25.0	24.2	
64 Methylcyclohexane	83	5.507	5.507	0.000	90	210473	25.0	23.0	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	91	136064	25.0	24.3	
66 1,4-Dioxane	88	5.671	5.671	0.000	39	35896	500.0	560.2	
67 Dibromomethane	93	5.678	5.678	0.000	85	96922	25.0	25.0	
68 Dichlorobromomethane	83	5.787	5.787	0.000	93	182692	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	5.988	5.988	0.000	93	103525	25.0	26.3	
77 trans-1,3-Dichloropropene	75	6.103	6.103	0.000	91	223916	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	6.201	6.201	0.000	97	1175290	125.0	121.9	
74 Toluene	92	6.341	6.341	0.000	88	333483	25.0	23.6	
72 cis-1,3-Dichloropropene	75	6.529	6.529	0.000	89	201692	25.0	26.4	
75 Ethyl methacrylate	69	6.560	6.560	0.000	84	208111	25.0	25.0	
79 1,1,2-Trichloroethane	83	6.675	6.675	0.000	92	104221	25.0	24.7	
81 Tetrachloroethene	166	6.754	6.754	0.000	98	149898	25.0	24.1	
82 1,3-Dichloropropane	76	6.803	6.803	0.000	88	215754	25.0	24.7	
80 2-Hexanone	43	6.833	6.833	0.000	93	833525	125.0	121.8	
83 Chlorodibromomethane	129	6.985	6.985	0.000	86	154847	25.0	26.1	
84 Ethylene Dibromide	107	7.071	7.071	0.000	98	141866	25.0	25.1	
87 Chlorobenzene	112	7.430	7.430	0.000	94	373065	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.497	0.000	45	150474	25.0	24.9	
88 Ethylbenzene	91	7.497	7.497	0.000	98	600942	25.0	23.9	
90 m-Xylene & p-Xylene	106	7.588	7.588	0.000	0	254878	25.0	24.2	
91 o-Xylene	106	7.904	7.904	0.000	96	262801	25.0	24.2	
92 Styrene	104	7.922	7.922	0.000	95	421935	25.0	24.5	
95 Bromoform	173	8.111	8.111	0.000	95	105454	25.0	26.5	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	646901	25.0	24.1	
101 Bromobenzene	156	8.470	8.470	0.000	88	173294	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	87	203598	25.0	24.3	
100 1,2,3-Trichloropropane	110	8.512	8.512	0.000	31	73394	25.0	24.7	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.512	0.000	21	66644	25.0	25.8	
99 N-Propylbenzene	91	8.519	8.519	0.000	87	712467	25.0	24.1	
103 2-Chlorotoluene	126	8.610	8.610	0.000	96	158609	25.0	24.4	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	60	560028	25.0	24.4	
105 4-Chlorotoluene	126	8.701	8.701	0.000	78	161115	25.0	23.8	
106 tert-Butylbenzene	134	8.926	8.926	0.000	89	128950	25.0	24.9	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	61	576829	25.0	24.3	
109 sec-Butylbenzene	105	9.103	9.103	0.000	94	664502	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.218	9.218	0.000	94	611158	25.0	24.4	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	78	329129	25.0	23.6	
113 1,4-Dichlorobenzene	146	9.303	9.303	0.000	96	339962	25.0	24.3	
115 n-Butylbenzene	91	9.559	9.559	0.000	94	482034	25.0	24.0	
116 1,2-Dichlorobenzene	146	9.614	9.614	0.000	98	329582	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.271	0.000	82	52130	25.0	25.8	
119 1,2,4-Trichlorobenzene	180	10.934	10.934	0.000	91	239583	25.0	24.0	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	96	86458	25.0	23.4	
121 Naphthalene	128	11.134	11.134	0.000	97	801224	25.0	24.4	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	228038	25.0	23.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	12.50	Units: uL	
GAS CORP mix_00116	Amount Added:	12.50	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

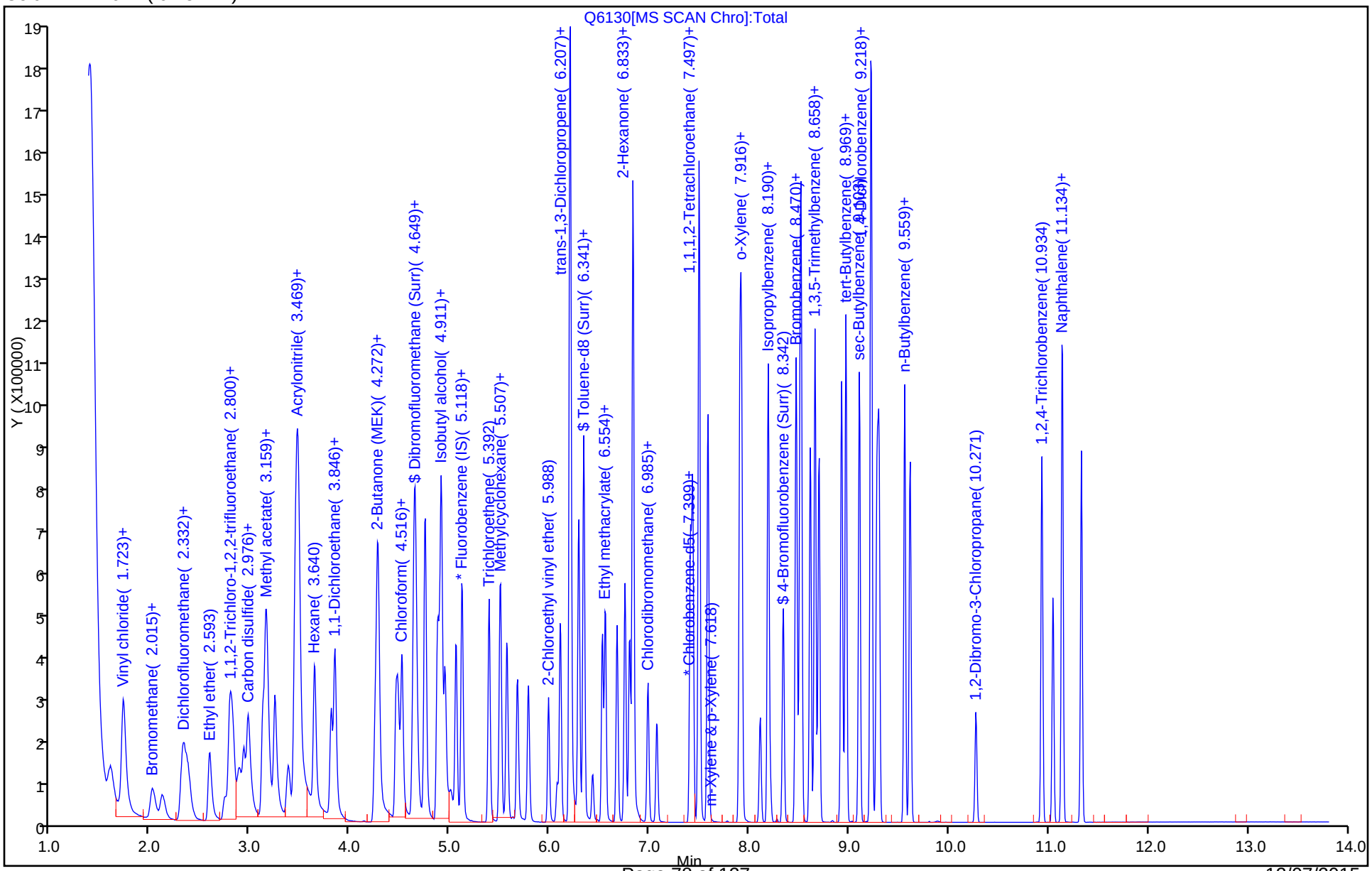
Report Date: 27-Oct-2015 21:08:59 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D

Injection Date:	26-Oct-2015 21:21:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	ICIS 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



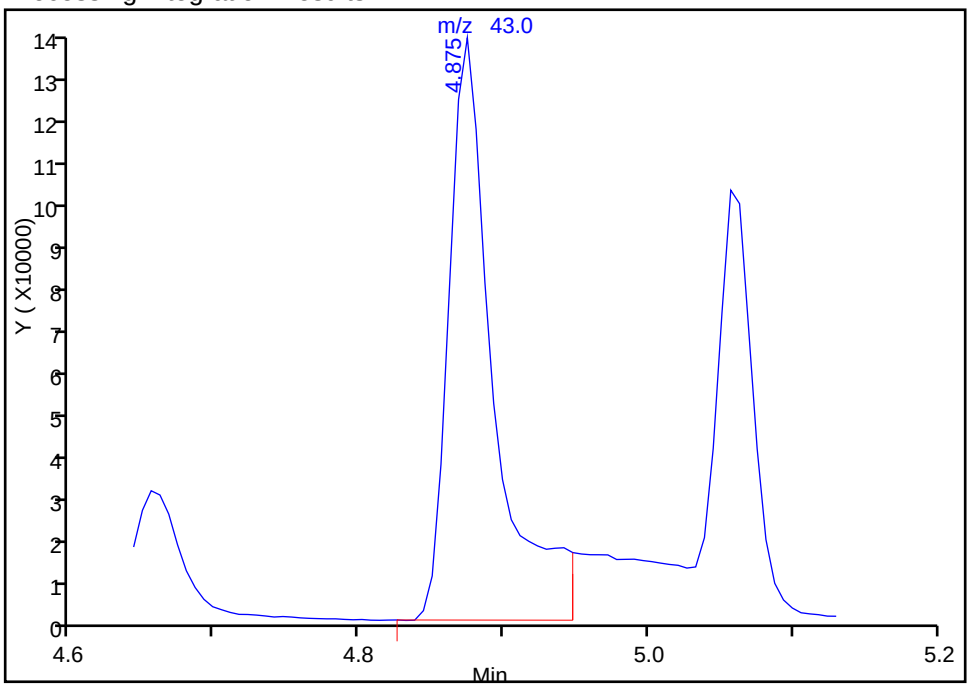
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D
Injection Date: 26-Oct-2015 21:21:30 Instrument ID: HP5973Q
Lims ID: ICIS 6
Client ID:
Operator ID: JG ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

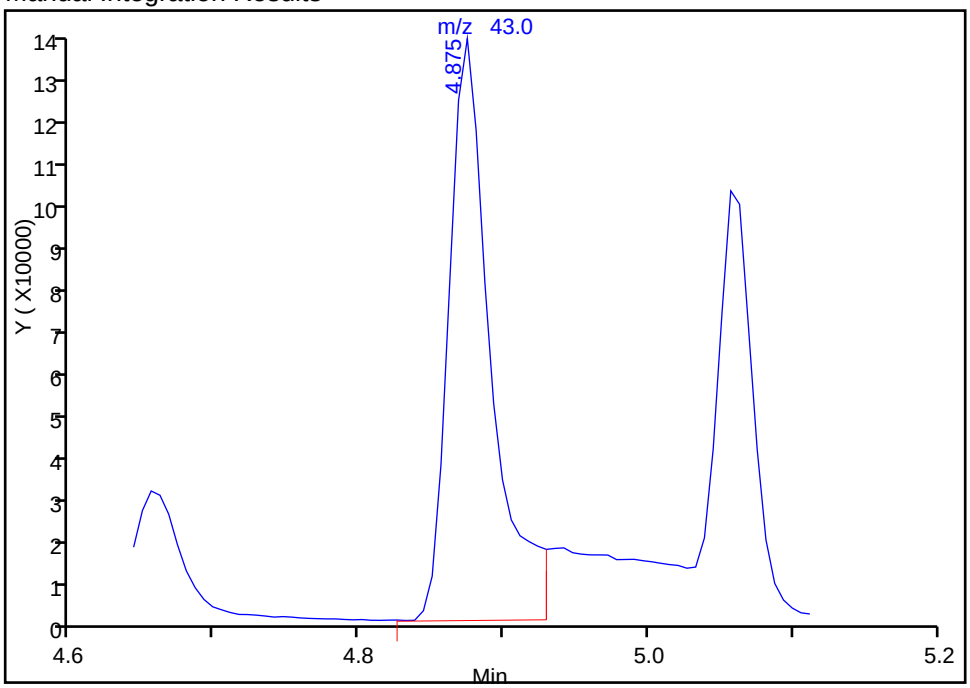
Processing Integration Results

RT: 4.87
Area: 289783
Amount: 583.6971
Amount Units: ug/L



Manual Integration Results

RT: 4.87
Area: 272585
Amount: 582.5645
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:15:01
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

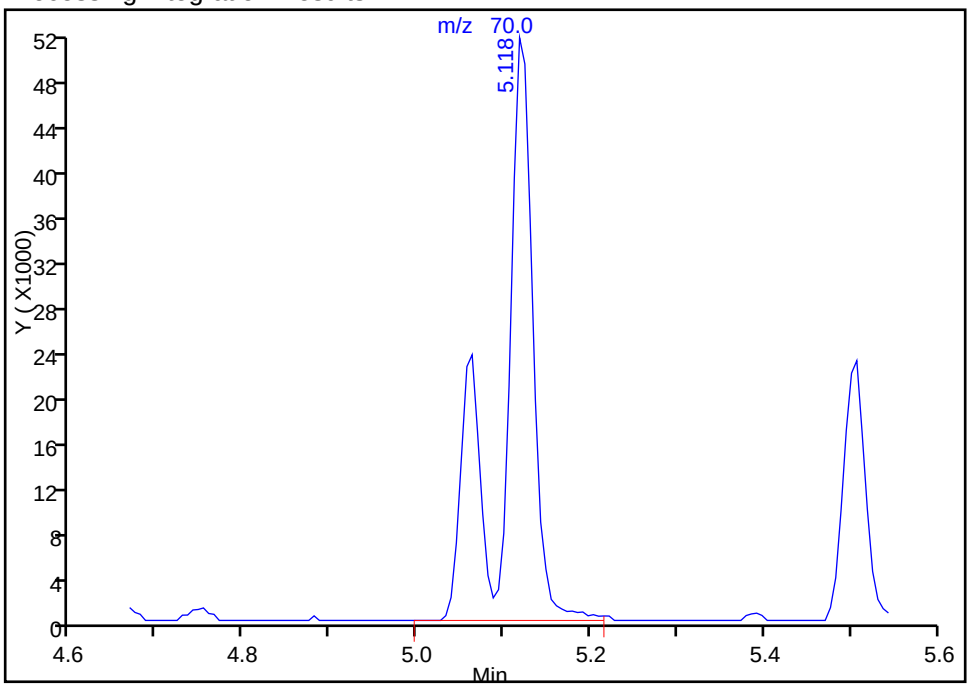
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6130.D
Injection Date: 26-Oct-2015 21:21:30 Instrument ID: HP5973Q
Lims ID: ICIS 6
Client ID:
Operator ID: JG ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

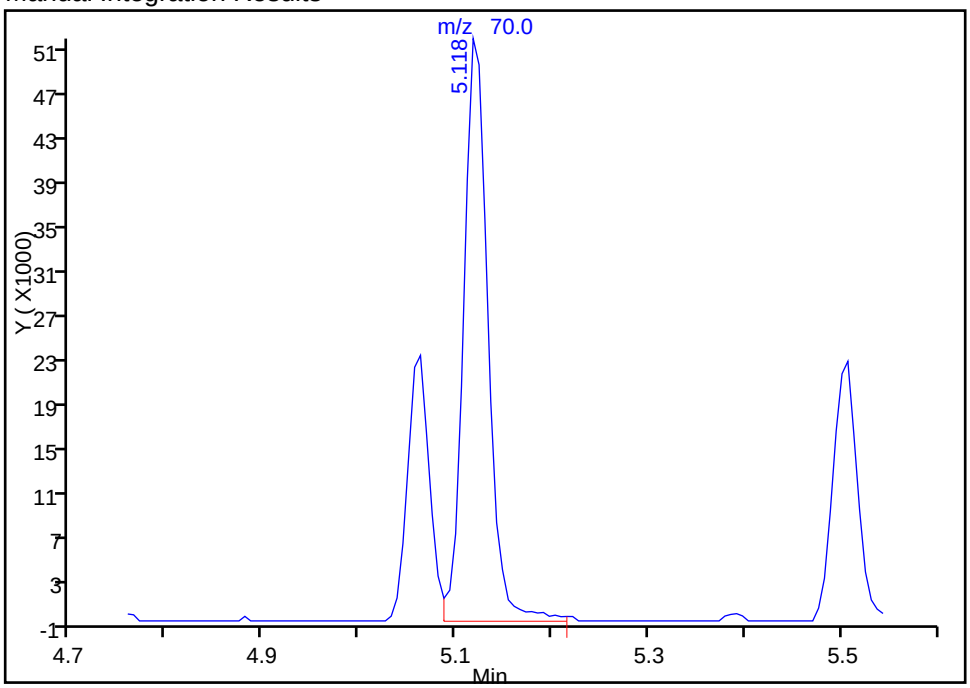
Processing Integration Results

RT: 5.12
Area: 128071
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 91684
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:15:01
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Oct-2015 21:47:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0047687-011
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:06:04 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:30:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.122	-0.004	99	95216	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.412	7.409	0.003	84	173426	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.277	0.002	93	199589	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.641	0.003	93	125473	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.891	0.002	0	73928	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.292	6.290	0.002	93	415453	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.340	0.002	95	139814	25.0	25.1	
10 Dichlorodifluoromethane	85	1.462	1.460	0.002	99	275676	50.0	42.6	
12 Chloromethane	50	1.608	1.593	0.015	99	320188	50.0	43.2	
144 Butadiene	54	1.730	1.721	0.009	91	284908	50.0	41.3	
13 Vinyl chloride	62	1.736	1.715	0.021	98	314092	50.0	43.7	
14 Bromomethane	94	2.028	2.013	0.015	90	204090	50.0	44.2	
15 Chloroethane	64	2.125	2.117	0.008	100	201568	50.0	45.2	M
16 Dichlorofluoromethane	67	2.338	2.324	0.014	97	484135	50.0	43.2	
17 Trichlorofluoromethane	101	2.368	2.348	0.020	99	392875	50.0	41.8	
18 Ethyl ether	59	2.587	2.585	0.002	92	299370	50.0	47.4	
20 Acrolein	56	2.740	2.743	-0.003	100	220145	250.0	263.4	
22 1,1-Dichloroethene	96	2.794	2.792	0.002	99	253639	50.0	44.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.825	2.816	0.009	91	236029	50.0	41.6	
23 Acetone	43	2.886	2.895	-0.009	100	620652	250.0	249.0	
25 Iodomethane	142	2.934	2.932	0.002	99	547845	50.0	46.7	
26 Carbon disulfide	76	2.977	2.974	0.003	99	840768	50.0	44.5	
28 3-Chloro-1-propene	41	3.123	3.120	0.003	91	463831	50.0	42.9	
27 Methyl acetate	43	3.159	3.157	0.002	98	1885855	250.0	257.1	
30 Methylene Chloride	84	3.244	3.248	-0.004	95	300933	50.0	52.4	
31 2-Methyl-2-propanol	59	3.378	3.382	-0.004	100	396801	500.0	461.0	
32 Methyl tert-butyl ether	73	3.445	3.443	0.002	95	1039341	50.0	47.8	
34 trans-1,2-Dichloroethene	96	3.457	3.455	0.002	98	288642	50.0	46.1	
33 Acrylonitrile	53	3.476	3.479	-0.003	99	1908286	500.0	456.4	
35 Hexane	57	3.640	3.644	-0.004	93	328378	50.0	39.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.808	0.002	97	532908	50.0	46.7	
37 Vinyl acetate	43	3.847	3.844	0.003	97	1249280	100.0	95.4	
44 2,2-Dichloropropane	77	4.248	4.252	-0.004	88	298205	50.0	43.0	
45 cis-1,2-Dichloroethene	96	4.273	4.270	0.003	83	319408	50.0	46.6	
43 2-Butanone (MEK)	43	4.285	4.282	0.003	100	1199988	250.0	222.4	
48 Chlorobromomethane	128	4.461	4.459	0.002	94	179525	50.0	49.3	
49 Tetrahydrofuran	42	4.479	4.483	-0.004	89	350486	100.0	89.5	
50 Chloroform	83	4.516	4.520	-0.004	94	495630	50.0	46.6	
51 1,1,1-Trichloroethane	97	4.631	4.629	0.002	98	413659	50.0	45.6	
52 Cyclohexane	56	4.656	4.653	0.003	93	438602	50.0	41.4	
55 Carbon tetrachloride	117	4.747	4.745	0.002	98	378466	50.0	46.9	
54 1,1-Dichloropropene	75	4.753	4.751	0.002	96	372314	50.0	44.9	
53 Isobutyl alcohol	43	4.875	4.879	-0.004	94	571140	1250.0	1179.1	
57 Benzene	78	4.911	4.915	-0.004	96	1101542	50.0	45.8	
58 1,2-Dichloroethane	62	4.948	4.952	-0.004	97	430705	50.0	45.9	
59 n-Heptane	43	5.063	5.061	0.002	94	359503	50.0	43.9	
62 Trichloroethene	95	5.392	5.390	0.002	96	283422	50.0	46.7	
64 Methylcyclohexane	83	5.508	5.505	0.003	91	394282	50.0	41.5	
65 1,2-Dichloropropane	63	5.568	5.572	-0.004	94	275659	50.0	47.4	
66 1,4-Dioxane	88	5.672	5.676	-0.004	97	69345	1000.0	1060.7	
67 Dibromomethane	93	5.678	5.676	0.002	92	198834	50.0	49.3	
68 Dichlorobromomethane	83	5.787	5.785	0.002	99	379283	50.0	50.0	
69 2-Chloroethyl vinyl ether	63	5.988	5.986	0.002	93	210122	50.0	51.3	
77 trans-1,3-Dichloropropene	75	6.110	6.107	0.003	95	460842	50.0	50.6	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.205	0.002	95	2234365	250.0	227.2	
74 Toluene	92	6.341	6.339	0.002	99	673099	50.0	46.7	
72 cis-1,3-Dichloropropene	75	6.530	6.527	0.003	98	416935	50.0	52.5	
75 Ethyl methacrylate	69	6.554	6.558	-0.004	90	413143	50.0	48.7	
79 1,1,2-Trichloroethane	83	6.676	6.673	0.003	92	209436	50.0	48.7	
81 Tetrachloroethene	166	6.755	6.752	0.003	98	295846	50.0	46.7	
82 1,3-Dichloropropane	76	6.803	6.801	0.002	90	435107	50.0	48.7	
80 2-Hexanone	43	6.834	6.831	0.003	95	1553268	250.0	222.5	
83 Chlorodibromomethane	129	6.986	6.983	0.003	90	332115	50.0	54.9	
84 Ethylene Dibromide	107	7.071	7.075	-0.004	99	286381	50.0	49.6	
87 Chlorobenzene	112	7.436	7.434	0.002	96	750227	50.0	48.1	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.494	0.003	48	313732	50.0	50.8	
88 Ethylbenzene	91	7.497	7.494	0.003	98	1179073	50.0	45.9	
90 m-Xylene & p-Xylene	106	7.588	7.586	0.002	0	510744	50.0	47.5	
91 o-Xylene	106	7.904	7.908	-0.004	95	530374	50.0	47.9	
92 Styrene	104	7.923	7.920	0.003	95	847535	50.0	48.3	
95 Bromoform	173	8.111	8.109	0.002	98	226369	50.0	55.7	
94 Isopropylbenzene	105	8.190	8.188	0.002	95	1283239	50.0	47.0	
101 Bromobenzene	156	8.470	8.468	0.002	93	350279	50.0	47.7	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.474	-0.004	95	412695	50.0	48.5	
100 1,2,3-Trichloropropane	110	8.507	8.510	-0.003	86	146416	50.0	48.5	
98 trans-1,4-Dichloro-2-buten	53	8.507	8.510	-0.003	76	129818	50.0	49.5	
99 N-Propylbenzene	91	8.519	8.523	-0.004	98	1373350	50.0	45.8	
103 2-Chlorotoluene	126	8.610	8.614	-0.004	97	322847	50.0	48.9	
102 1,3,5-Trimethylbenzene	105	8.659	8.656	0.003	96	1117462	50.0	47.8	
105 4-Chlorotoluene	126	8.701	8.699	0.002	96	331452	50.0	48.2	
106 tert-Butylbenzene	134	8.926	8.924	0.002	91	262279	50.0	49.9	
107 1,2,4-Trimethylbenzene	105	8.969	8.967	0.002	96	1152262	50.0	47.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.103	9.101	0.003	94	1295129	50.0	46.7	
110 4-Isopropyltoluene	119	9.218	9.216	0.002	97	1205952	50.0	47.5	
111 1,3-Dichlorobenzene	146	9.224	9.228	-0.004	99	663176	50.0	46.9	
113 1,4-Dichlorobenzene	146	9.298	9.301	-0.003	96	682777	50.0	48.0	
115 n-Butylbenzene	91	9.559	9.557	0.002	96	933777	50.0	45.8	
116 1,2-Dichlorobenzene	146	9.614	9.612	0.002	98	670932	50.0	47.3	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.269	0.002	90	108235	50.0	52.7	
119 1,2,4-Trichlorobenzene	180	10.934	10.932	0.002	95	483190	50.0	47.7	
120 Hexachlorobutadiene	225	11.043	11.047	-0.004	98	168135	50.0	44.8	
121 Naphthalene	128	11.135	11.138	-0.003	97	1592493	50.0	47.7	
122 1,2,3-Trichlorobenzene	180	11.329	11.327	0.002	96	465845	50.0	47.9	
S 125 1,2-Dichloroethene, Total	1				0			92.7	
S 126 1,3-Dichloropropene, Total	1				0			103.0	
S 123 Total BTEX	1				0			233.9	
S 124 Xylenes, Total	1				0			95.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added: 25.00	Units: uL		
GAS CORP mix_00116	Amount Added: 25.00	Units: uL		
Q_8260_IS_00103	Amount Added: 1.25	Units: uL	Run Reagent	
Q_8260_SURR_00096	Amount Added: 1.25	Units: uL	Run Reagent	

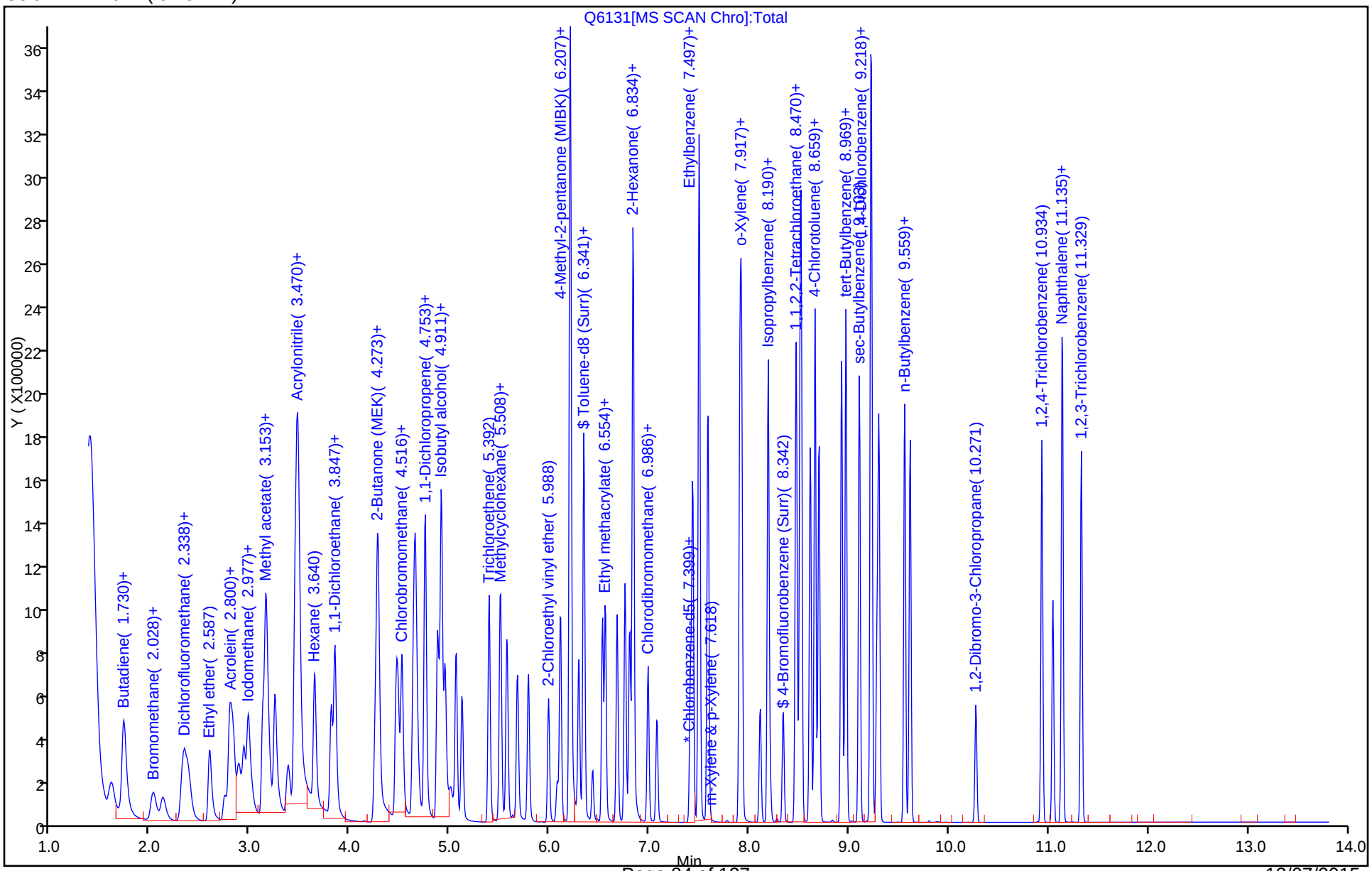
Report Date: 27-Oct-2015 21:06:06 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D

Injection Date:	26-Oct-2015 21:47:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

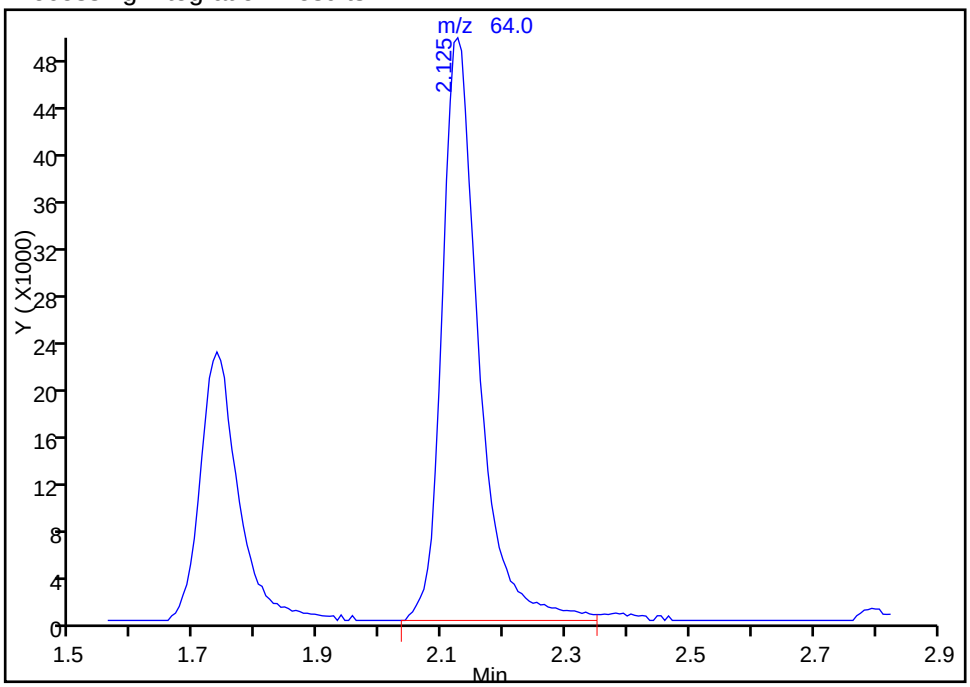
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D
Injection Date: 26-Oct-2015 21:47:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: JG ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

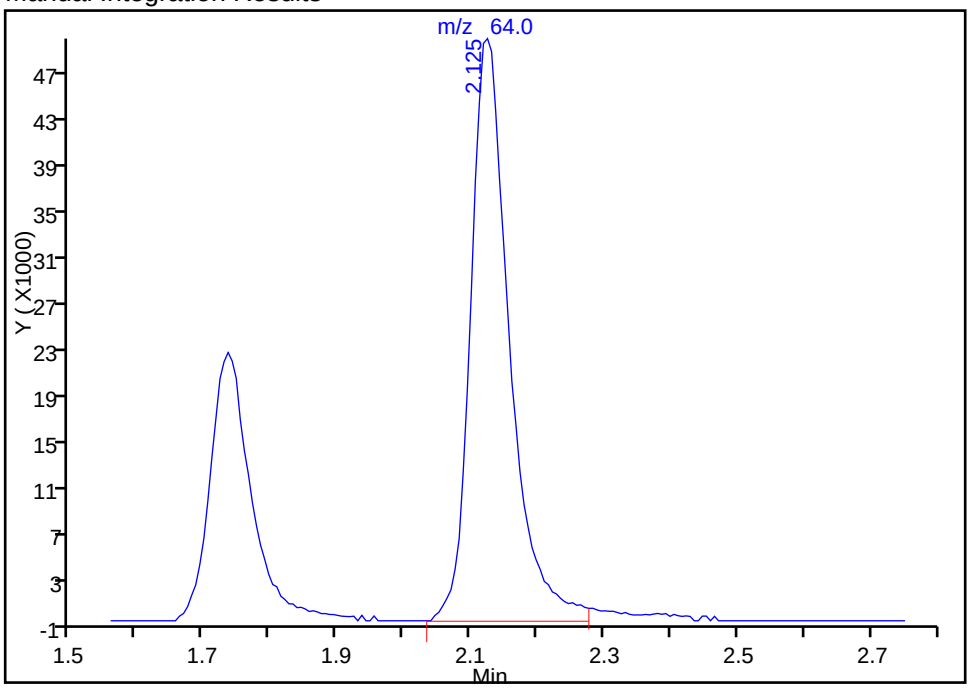
Processing Integration Results

RT: 2.13
Area: 204203
Amount: 45.674058
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 201568
Amount: 45.201253
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:35:09
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

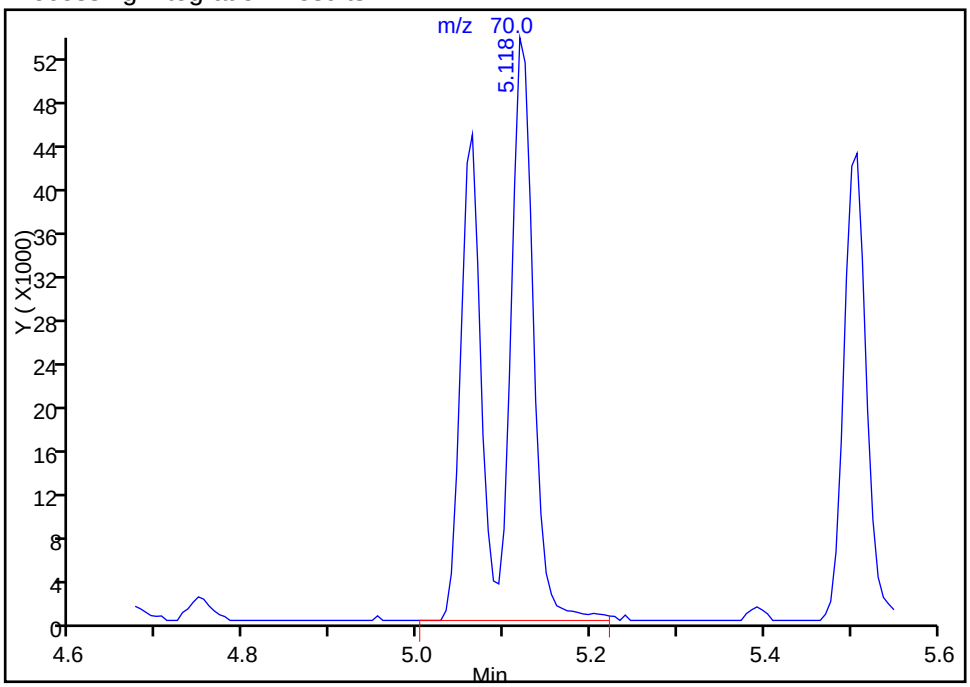
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6131.D
Injection Date: 26-Oct-2015 21:47:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: JG ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

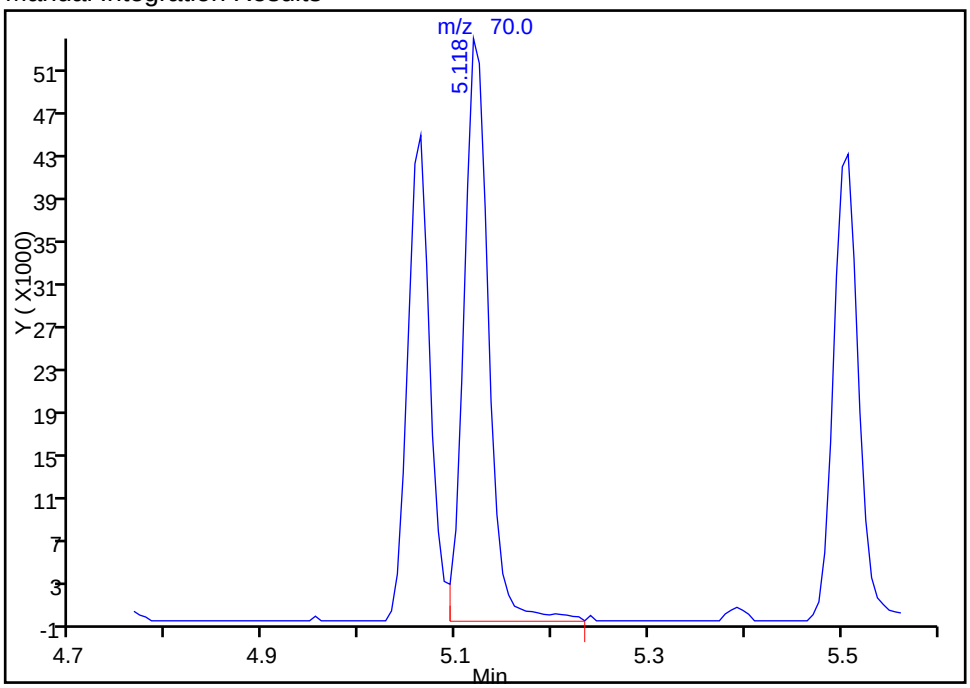
Processing Integration Results

RT: 5.12
Area: 165476
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 95216
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:42:35
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D
Lims ID: IC 8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 26-Oct-2015 22:13:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 8
Misc. Info.: 480-0047687-012
Operator ID: JG Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:06:11 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: gentilej Date: 27-Oct-2015 13:32:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.122	-0.004	99	108809	25.0	25.0	M
* 2 Chlorobenzene-d5	82	7.411	7.409	0.002	86	188592	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.277	0.002	94	217000	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.641	0.002	94	130679	25.0	22.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.891	0.002	0	76538	25.0	22.1	
$ 5 Toluene-d8 (Surr)	98	6.292	6.290	0.002	94	454372	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.340	0.002	95	154418	25.0	25.4	
10 Dichlorodifluoromethane	85	1.462	1.460	0.002	99	599060	100.0	80.9	
12 Chloromethane	50	1.614	1.593	0.021	99	647787	100.0	76.4	
13 Vinyl chloride	62	1.741	1.715	0.026	99	663026	100.0	80.7	
144 Butadiene	54	1.729	1.721	0.008	92	628579	100.0	79.7	
14 Bromomethane	94	2.027	2.013	0.014	90	426813	100.0	80.9	
15 Chloroethane	64	2.119	2.117	0.002	100	403672	100.0	79.2	M
16 Dichlorofluoromethane	67	2.331	2.324	0.007	98	965730	100.0	75.4	
17 Trichlorofluoromethane	101	2.368	2.348	0.020	99	874509	100.0	81.4	
18 Ethyl ether	59	2.587	2.585	0.002	91	602518	100.0	83.5	
20 Acrolein	56	2.745	2.743	0.002	100	455450	500.0	476.9	
22 1,1-Dichloroethene	96	2.788	2.792	-0.004	98	558902	100.0	85.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.818	2.816	0.002	91	572519	100.0	88.4	
23 Acetone	43	2.885	2.895	-0.010	100	1390279	500.0	492.2	
25 Iodomethane	142	2.934	2.932	0.002	99	1147091	100.0	85.5	
26 Carbon disulfide	76	2.976	2.974	0.002	99	1812386	100.0	83.8	
28 3-Chloro-1-propene	41	3.122	3.120	0.002	92	958106	100.0	77.5	
27 Methyl acetate	43	3.159	3.157	0.002	97	3972333	500.0	476.1	
30 Methylene Chloride	84	3.244	3.248	-0.004	94	620020	100.0	95.2	
31 2-Methyl-2-propanol	59	3.378	3.382	-0.004	100	1098630	1000.0	1117.0	
32 Methyl tert-butyl ether	73	3.445	3.443	0.002	95	2062774	100.0	83.0	
34 trans-1,2-Dichloroethene	96	3.457	3.455	0.002	99	614971	100.0	85.9	
33 Acrylonitrile	53	3.481	3.479	0.002	98	3728820	1000.0	780.5	
35 Hexane	57	3.639	3.644	-0.005	93	829012	100.0	87.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.808	0.002	97	1110512	100.0	85.1	
37 Vinyl acetate	43	3.846	3.844	0.002	97	2535277	200.0	169.5	
44 2,2-Dichloropropane	77	4.248	4.252	-0.004	87	613874	100.0	77.5	
45 cis-1,2-Dichloroethene	96	4.266	4.270	-0.004	84	666272	100.0	85.1	
43 2-Butanone (MEK)	43	4.284	4.282	0.002	100	2500285	500.0	405.5	
48 Chlorobromomethane	128	4.461	4.459	0.002	93	377152	100.0	90.6	
49 Tetrahydrofuran	42	4.479	4.483	-0.004	89	766506	200.0	171.2	
50 Chloroform	83	4.515	4.520	-0.005	95	1024732	100.0	84.3	
51 1,1,1-Trichloroethane	97	4.631	4.629	0.002	98	894793	100.0	86.3	
52 Cyclohexane	56	4.649	4.653	-0.004	92	1050102	100.0	86.7	
55 Carbon tetrachloride	117	4.747	4.745	0.002	99	859375	100.0	93.2	
54 1,1-Dichloropropene	75	4.753	4.751	0.002	96	829269	100.0	87.6	
53 Isobutyl alcohol	43	4.874	4.879	-0.005	94	1404480	2500.0	2541.4	
57 Benzene	78	4.911	4.915	-0.004	96	2286496	100.0	83.2	
58 1,2-Dichloroethane	62	4.947	4.952	-0.005	97	885652	100.0	82.6	
59 n-Heptane	43	5.057	5.061	-0.004	93	812118	100.0	86.8	
62 Trichloroethene	95	5.391	5.390	0.001	95	605890	100.0	87.3	
64 Methylcyclohexane	83	5.507	5.505	0.002	90	955750	100.0	88.0	
65 1,2-Dichloropropane	63	5.568	5.572	-0.004	95	589274	100.0	88.6	
66 1,4-Dioxane	88	5.671	5.676	-0.005	96	167058	2000.0	2349.7	
67 Dibromomethane	93	5.677	5.676	0.001	92	419242	100.0	91.0	
68 Dichlorobromomethane	83	5.787	5.785	0.002	99	808655	100.0	93.2	
69 2-Chloroethyl vinyl ether	63	5.988	5.986	0.002	93	474820	100.0	101.5	
77 trans-1,3-Dichloropropene	75	6.109	6.107	0.002	94	997276	100.0	100.6	
73 4-Methyl-2-pentanone (MIBK	43	6.207	6.205	0.002	89	4006384	500.0	374.6	
74 Toluene	92	6.340	6.339	0.001	98	1457756	100.0	93.0	
72 cis-1,3-Dichloropropene	75	6.529	6.527	0.002	97	929011	100.0	102.3	
75 Ethyl methacrylate	69	6.559	6.558	0.001	90	905055	100.0	98.2	
79 1,1,2-Trichloroethane	83	6.675	6.673	0.002	92	458334	100.0	98.0	
81 Tetrachloroethene	166	6.754	6.752	0.002	98	677285	100.0	98.3	
82 1,3-Dichloropropane	76	6.803	6.801	0.002	88	963970	100.0	99.3	
80 2-Hexanone	43	6.839	6.831	0.008	91	2924951	500.0	385.3	
83 Chlorodibromomethane	129	6.985	6.983	0.002	90	736803	100.0	112.0	
84 Ethylene Dibromide	107	7.077	7.075	0.002	99	643219	100.0	102.5	
87 Chlorobenzene	112	7.435	7.434	0.001	95	1610972	100.0	95.1	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.494	0.002	49	676211	100.0	100.7	
88 Ethylbenzene	91	7.496	7.494	0.002	97	2428329	100.0	87.0	
90 m-Xylene & p-Xylene	106	7.588	7.586	0.002	0	1119110	100.0	95.7	
91 o-Xylene	106	7.910	7.908	0.002	94	1134632	100.0	94.3	
92 Styrene	104	7.922	7.920	0.002	95	1816317	100.0	95.2	
95 Bromoform	173	8.111	8.109	0.002	98	523367	100.0	118.5	
94 Isopropylbenzene	105	8.190	8.188	0.002	96	2614643	100.0	88.0	
101 Bromobenzene	156	8.470	8.468	0.002	91	768776	100.0	96.3	
97 1,1,2,2-Tetrachloroethane	83	8.476	8.474	0.002	97	873686	100.0	94.5	
100 1,2,3-Trichloropropane	110	8.512	8.510	0.002	85	317839	100.0	96.9	
98 trans-1,4-Dichloro-2-buten	53	8.512	8.510	0.002	76	289930	100.0	101.8	
99 N-Propylbenzene	91	8.524	8.523	0.001	96	2790533	100.0	85.5	
103 2-Chlorotoluene	126	8.616	8.614	0.002	98	701612	100.0	97.8	
102 1,3,5-Trimethylbenzene	105	8.664	8.656	0.008	97	2261409	100.0	89.1	
105 4-Chlorotoluene	126	8.701	8.699	0.002	96	732729	100.0	97.9	
106 tert-Butylbenzene	134	8.926	8.924	0.002	92	572209	100.0	100.1	
107 1,2,4-Trimethylbenzene	105	8.969	8.967	0.001	96	2323370	100.0	88.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.101	0.002	94	2663400	100.0	88.3	
110 4-Isopropyltoluene	119	9.218	9.216	0.002	98	2444225	100.0	88.5	
111 1,3-Dichlorobenzene	146	9.230	9.228	0.002	98	1422448	100.0	92.5	
113 1,4-Dichlorobenzene	146	9.303	9.301	0.002	95	1449637	100.0	93.8	
115 n-Butylbenzene	91	9.559	9.557	0.002	96	1954732	100.0	88.2	
116 1,2-Dichlorobenzene	146	9.613	9.612	0.001	98	1405626	100.0	91.2	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.269	0.001	91	221829	100.0	99.4	
119 1,2,4-Trichlorobenzene	180	10.933	10.932	0.001	95	904936	100.0	82.2	
120 Hexachlorobutadiene	225	11.049	11.047	0.002	98	334114	100.0	82.0	
121 Naphthalene	128	11.140	11.138	0.002	98	2792019	100.0	77.0	
122 1,2,3-Trichlorobenzene	180	11.329	11.327	0.002	96	852260	100.0	80.5	
S 125 1,2-Dichloroethene, Total	1				0			171.0	
S 126 1,3-Dichloropropene, Total	1				0			202.9	
S 123 Total BTEX	1				0			453.2	
S 124 Xylenes, Total	1				0			190.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00056	Amount Added:	50.00	Units: uL	
GAS CORP mix_00116	Amount Added:	50.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

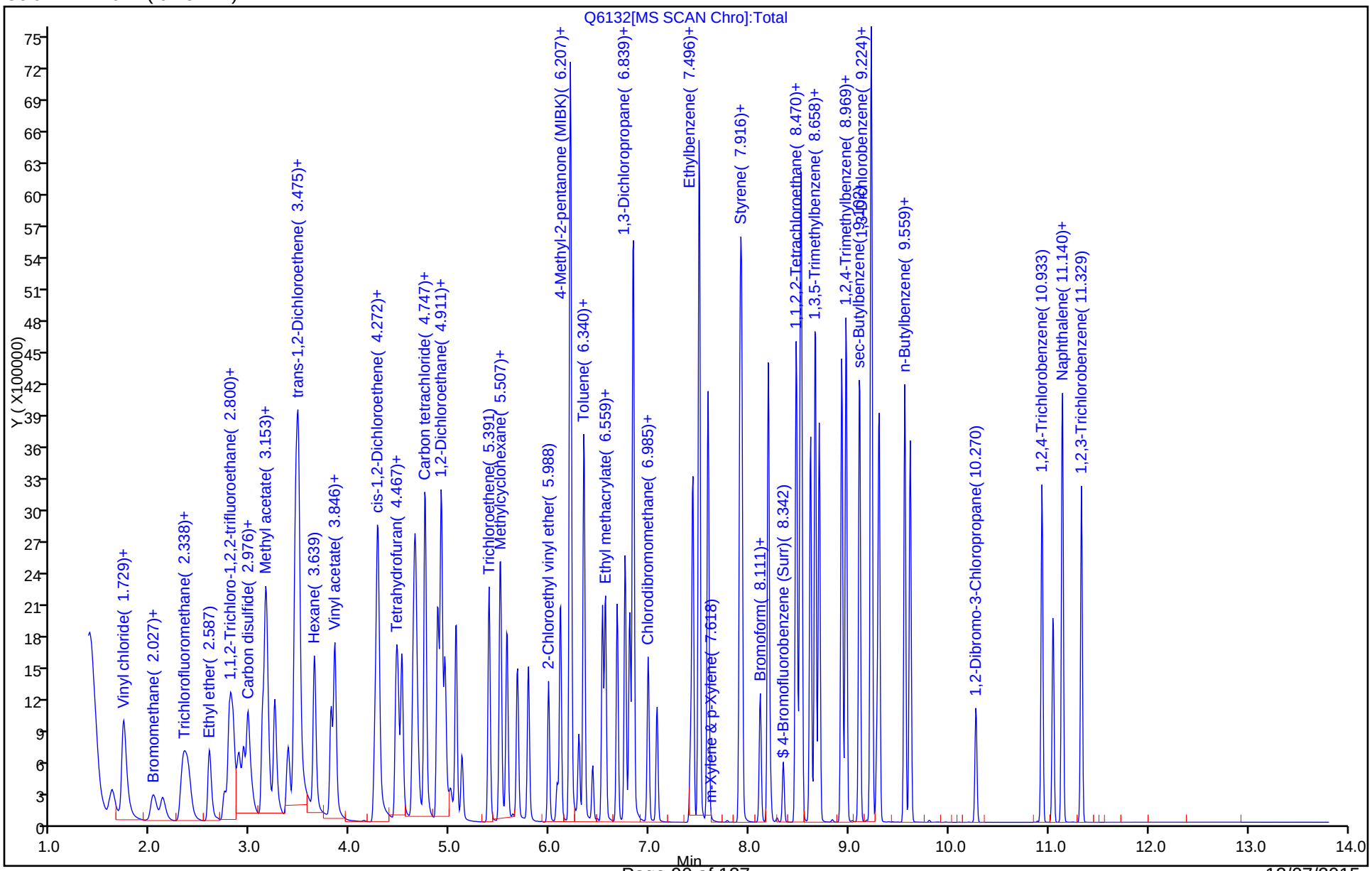
Report Date: 27-Oct-2015 21:06:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D

Injection Date:	26-Oct-2015 22:13:30	Instrument ID:	HP5973Q	Operator ID:	JG
Lims ID:	IC 8			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

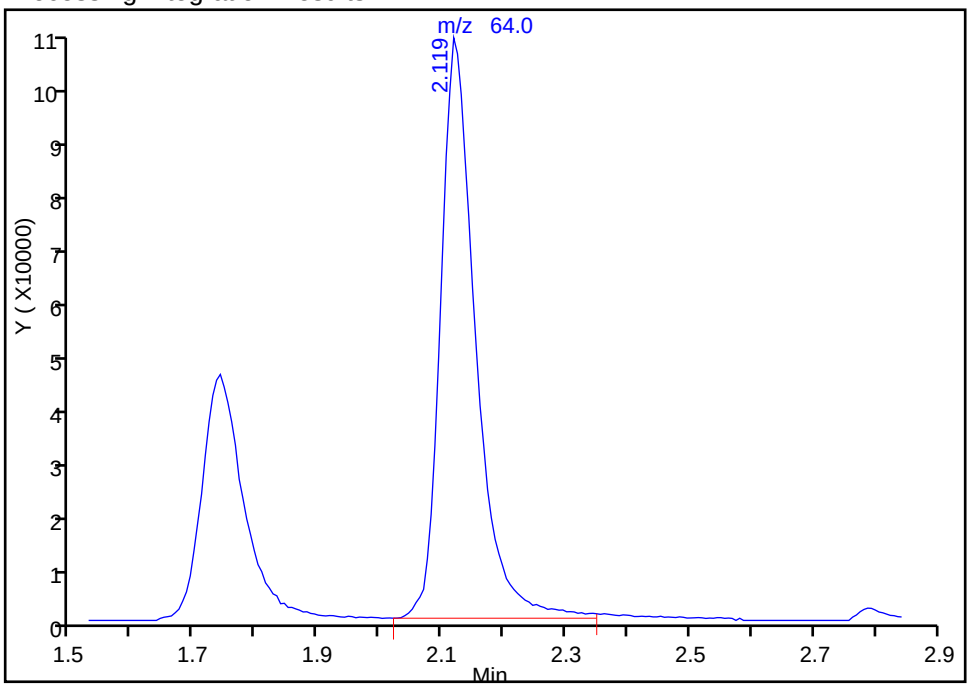
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D
Injection Date: 26-Oct-2015 22:13:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: JG ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

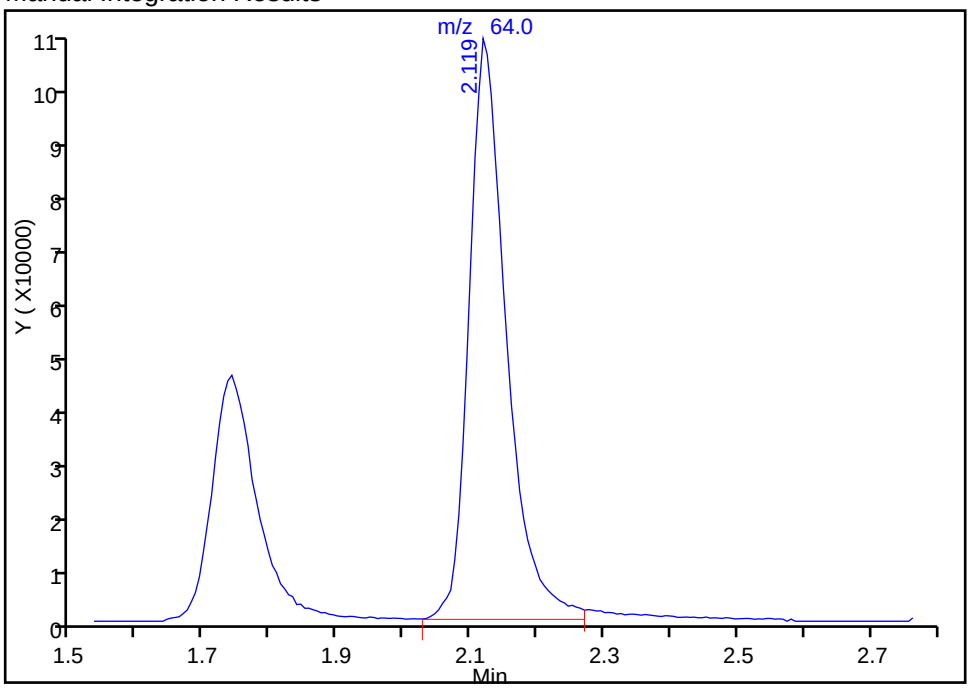
Processing Integration Results

RT: 2.12
Area: 408190
Amount: 80.012037
Amount Units: ug/L



Manual Integration Results

RT: 2.12
Area: 403672
Amount: 79.214124
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 19:36:30
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

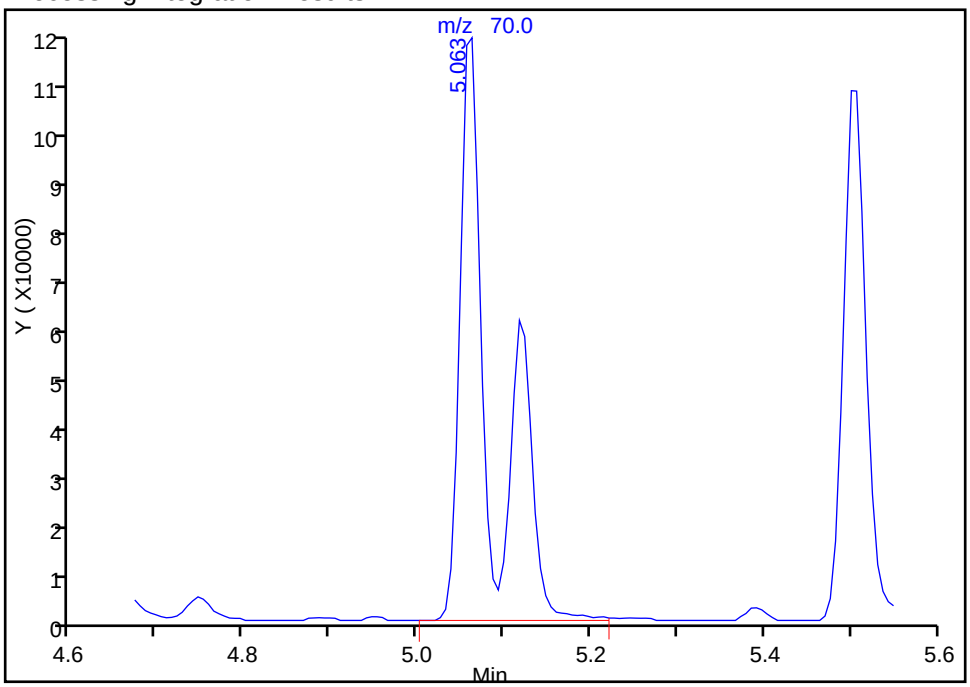
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6132.D
Injection Date: 26-Oct-2015 22:13:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: JG ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

* 147 Fluorobenzene (IS), CAS: 462-06-6

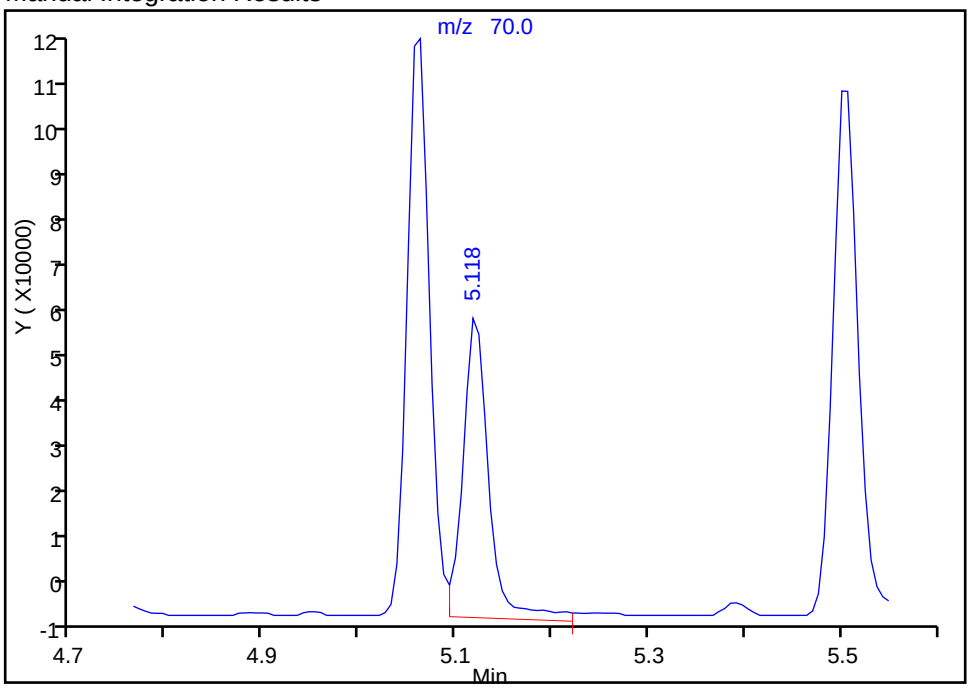
Processing Integration Results

RT: 5.06
Area: 283698
Amount: 25.000000
Amount Units: ug/L



Manual Integration Results

RT: 5.12
Area: 108809
Amount: 25.000000
Amount Units: ug/L



Reviewer: diasn, 27-Oct-2015 18:53:18
Audit Action: Manually Integrated
Audit Reason: Shouldering

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Lab Sample ID: CCVIS 480-277868/3 Calibration Date: 12/02/2015 20:26

Instrument ID: HP5973Q Calib Start Date: 10/26/2015 19:12

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/26/2015 22:13

Lab File ID: Q7235.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.700	1.454	0.1000	21.4	25.0	-14.5	50.0
Chloromethane	Ave	1.948	1.638	0.1000	21.0	25.0	-15.9	20.0
Vinyl chloride	Ave	1.887	1.688	0.1000	22.4	25.0	-10.5	20.0
Butadiene	Ave	1.812	1.534		21.2	25.0	-15.4	20.0
Bromomethane	Ave	1.212	0.9869	0.1000	20.4	25.0	-18.6	50.0
Chloroethane	Ave	1.171	0.9541	0.1000	20.4	25.0	-18.5	50.0
Trichlorofluoromethane	Ave	2.470	2.162	0.1000	21.9	25.0	-12.5	20.0
Dichlorofluoromethane	Ave	2.941	2.369		20.1	25.0	-19.5	20.0
Ethyl ether	Ave	1.657	1.630		24.6	25.0	-1.6	20.0
Acrolein	Ave	0.2194	0.4608		262	125	110.0*	50.0
1,1-Dichloroethene	Ave	1.502	1.647	0.1000	27.4	25.0	9.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.488	1.274	0.1000	21.4	25.0	-14.4	20.0
Acetone	Lin1		0.8931	0.1000	169	125	35.4	50.0
Iodomethane	Ave	3.083	3.405		27.6	25.0	10.5	20.0
Carbon disulfide	Ave	4.966	5.214	0.1000	26.2	25.0	5.0	20.0
Allyl chloride	Ave	2.840	2.518		22.2	25.0	-11.3	20.0
Methyl acetate	Lin1		2.037	0.1000	131	125	4.8	50.0
Methylene Chloride	Lin1		1.805	0.1000	29.6	25.0	18.3	20.0
2-Methyl-2-propanol	Ave	0.2260	0.5076		562	250	124.6*	50.0
Methyl tert-butyl ether	Ave	5.708	5.411	0.1000	23.7	25.0	-5.2	20.0
trans-1,2-Dichloroethene	Ave	1.645	1.781	0.1000	27.1	25.0	8.3	20.0
Acrylonitrile	Ave	1.098	1.016		231	250	-7.4	20.0
Hexane	Ave	2.186	2.443		27.9	25.0	11.8	20.0
1,1-Dichloroethane	Ave	2.999	2.972	0.2000	24.8	25.0	-0.9	20.0
Vinyl acetate	Ave	3.437	4.304		62.6	50.0	25.2*	20.0
2,2-Dichloropropane	Ave	1.820	1.857		25.5	25.0	2.1	20.0
cis-1,2-Dichloroethene	Ave	1.798	1.916	0.1000	26.6	25.0	6.5	20.0
2-Butanone (MEK)	Ave	1.417	1.446	0.1000	128	125	2.1	20.0
Chlorobromomethane	Ave	0.9565	1.065		27.8	25.0	11.3	20.0
Tetrahydrofuran	Ave	1.028	1.013		49.3	50.0	-1.5	20.0
Chloroform	Ave	2.794	2.800	0.2000	25.1	25.0	0.2	20.0
1,1,1-Trichloroethane	Ave	2.381	2.274	0.1000	23.9	25.0	-4.5	20.0
Cyclohexane	Ave	2.784	2.799	0.1000	25.1	25.0	0.5	20.0
1,1-Dichloropropene	Ave	2.175	2.281		26.2	25.0	4.9	20.0
Carbon tetrachloride	Ave	2.119	2.073	0.1000	24.5	25.0	-2.2	20.0
Isobutyl alcohol	Lin		0.2083		1020	625	63.7*	50.0
Benzene	Ave	6.315	6.670	0.5000	26.4	25.0	5.6	20.0
1,2-Dichloroethane	Ave	2.464	2.204	0.1000	22.4	25.0	-10.5	20.0
n-Heptane	Ave	2.150	2.056		23.9	25.0	-4.4	20.0
Trichloroethene	Ave	1.594	1.751	0.2000	27.5	25.0	9.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Lab Sample ID: CCVIS 480-277868/3 Calibration Date: 12/02/2015 20:26

Instrument ID: HP5973Q Calib Start Date: 10/26/2015 19:12

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/26/2015 22:13

Lab File ID: Q7235.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.495	2.790	0.1000	28.0	25.0	11.8	20.0
1,2-Dichloropropane	Ave	1.528	1.648	0.1000	27.0	25.0	7.9	20.0
1,4-Dioxane	Ave	0.0094	0.0185		983	500	96.7*	50.0
Dibromomethane	Ave	1.059	1.133	0.1000	26.7	25.0	7.0	20.0
Bromodichloromethane	Ave	1.993	2.068	0.2000	25.9	25.0	3.8	20.0
2-Chloroethyl vinyl ether	Ave	1.075	1.327		30.9	25.0	23.5*	20.0
trans-1,3-Dichloropropene	Ave	1.314	1.368	0.1000	26.0	25.0	4.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.418	1.338	0.1000	118	125	-5.6	20.0
Toluene	Ave	2.078	2.129	0.4000	25.6	25.0	2.4	20.0
cis-1,3-Dichloropropene	Ave	2.087	2.444	0.2000	29.3	25.0	17.1	20.0
Ethyl methacrylate	Ave	1.222	1.330		27.2	25.0	8.8	20.0
1,1,2-Trichloroethane	Ave	0.6198	0.6618	0.1000	26.7	25.0	6.8	20.0
Tetrachloroethene	Ave	0.9131	1.054	0.2000	28.9	25.0	15.5	20.0
1,3-Dichloropropane	Ave	1.287	1.373		26.7	25.0	6.7	20.0
2-Hexanone	Ave	1.006	1.017	0.1000	126	125	1.1	20.0
Dibromochloromethane	Ave	0.8718	0.9217	0.1000	26.4	25.0	5.7	20.0
1,2-Dibromoethane	Ave	0.8322	0.9394		28.2	25.0	12.9	20.0
Chlorobenzene	Ave	2.247	2.459	0.5000	27.4	25.0	9.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8898	0.9010		25.3	25.0	1.3	20.0
Ethylbenzene	Ave	3.701	3.825	0.1000	25.8	25.0	3.3	20.0
m,p-Xylene	Ave	1.550	1.632	0.1000	26.3	25.0	5.3	20.0
o-Xylene	Ave	1.595	1.629	0.3000	25.5	25.0	2.1	20.0
Styrene	Ave	2.529	2.690	0.3000	26.6	25.0	6.4	20.0
Bromoform	Ave	0.5854	0.6328	0.1000	27.0	25.0	8.1	50.0
Isopropylbenzene	Ave	3.422	3.393	0.1000	24.8	25.0	-0.9	20.0
Bromobenzene	Ave	0.9200	0.9708		26.4	25.0	5.5	20.0
1,1,2,2-Tetrachloroethane	Ave	1.065	1.065	0.3000	25.0	25.0	-0.0	20.0
1,2,3-Trichloropropane	Ave	0.3778	0.3666		24.3	25.0	-2.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3282	0.2562		19.5	25.0	-21.9	50.0
N-Propylbenzene	Ave	3.759	3.771		25.1	25.0	0.3	20.0
2-Chlorotoluene	Ave	0.8264	0.8639		26.1	25.0	4.5	20.0
1,3,5-Trimethylbenzene	Ave	2.926	2.869		24.5	25.0	-2.0	20.0
4-Chlorotoluene	Ave	0.8620	0.8988		26.1	25.0	4.3	20.0
tert-Butylbenzene	Ave	0.6586	0.6983		26.5	25.0	6.0	20.0
1,2,4-Trimethylbenzene	Ave	3.019	2.960		24.5	25.0	-2.0	20.0
sec-Butylbenzene	Ave	3.477	3.559		25.6	25.0	2.4	20.0
4-Isopropyltoluene	Ave	3.183	3.233		25.4	25.0	1.6	20.0
1,3-Dichlorobenzene	Ave	1.772	1.855	0.6000	26.2	25.0	4.7	20.0
1,4-Dichlorobenzene	Ave	1.780	1.909	0.5000	26.8	25.0	7.2	20.0
n-Butylbenzene	Ave	2.552	2.575		25.2	25.0	0.9	20.0
1,2-Dichlorobenzene	Ave	1.776	1.855	0.4000	26.1	25.0	4.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Lab Sample ID: CCVIS 480-277868/3 Calibration Date: 12/02/2015 20:26

Instrument ID: HP5973Q Calib Start Date: 10/26/2015 19:12

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 10/26/2015 22:13

Lab File ID: Q7235.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2572	0.2322	0.0500	22.6	25.0	-9.7	50.0
1,2,4-Trichlorobenzene	Ave	1.269	1.346	0.2000	26.5	25.0	6.1	20.0
Hexachlorobutadiene	Ave	0.4696	0.4833		25.7	25.0	2.9	20.0
Naphthalene	Ave	4.180	4.211		25.2	25.0	0.7	20.0
1,2,3-Trichlorobenzene	Ave	1.219	1.282		26.3	25.0	5.1	20.0
Dibromofluoromethane (Surr)	Ave	1.345	1.388		25.8	25.0	3.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7950	0.7719		24.3	25.0	-2.9	20.0
Toluene-d8 (Surr)	Ave	2.395	2.516		26.3	25.0	5.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8044	0.9156		28.5	25.0	13.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7235.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 02-Dec-2015 20:26:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0048881-003
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 21:12:50 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 02-Dec-2015 21:12:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	99	69234	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.405	7.405	0.000	82	137689	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	92	164576	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.637	4.637	0.000	94	96080	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.887	4.887	0.000	0	53440	25.0	24.3	
$ 5 Toluene-d8 (Surr)	98	6.286	6.286	0.000	92	346371	25.0	26.3	
$ 6 4-Bromofluorobenzene (Surr	174	8.336	8.336	0.000	98	126067	25.0	28.5	
10 Dichlorodifluoromethane	85	1.431	1.431	0.000	99	100667	25.0	21.4	M
12 Chloromethane	50	1.595	1.595	0.000	99	113377	25.0	21.0	
13 Vinyl chloride	62	1.705	1.705	0.000	98	116838	25.0	22.4	
144 Butadiene	54	1.723	1.723	0.000	88	106204	25.0	21.2	
14 Bromomethane	94	2.015	2.015	0.000	90	68329	25.0	20.4	
15 Chloroethane	64	2.106	2.106	0.000	99	66059	25.0	20.4	
17 Trichlorofluoromethane	101	2.301	2.301	0.000	99	149693	25.0	21.9	
16 Dichlorofluoromethane	67	2.325	2.325	0.000	98	163987	25.0	20.1	
18 Ethyl ether	59	2.587	2.587	0.000	92	112880	25.0	24.6	
20 Acrolein	56	2.739	2.739	0.000	99	159513	125.0	262.5	
22 1,1-Dichloroethene	96	2.788	2.788	0.000	97	114058	25.0	27.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.812	2.812	0.000	89	88235	25.0	21.4	
23 Acetone	43	2.879	2.879	0.000	100	309146	125.0	169.2	
25 Iodomethane	142	2.934	2.934	0.000	97	235728	25.0	27.6	
26 Carbon disulfide	76	2.976	2.976	0.000	99	360987	25.0	26.2	
28 3-Chloro-1-propene	41	3.122	3.122	0.000	94	174302	25.0	22.2	
27 Methyl acetate	43	3.153	3.153	0.000	98	705045	125.0	131.0	
30 Methylene Chloride	84	3.244	3.244	0.000	92	124963	25.0	29.6	
31 2-Methyl-2-propanol	59	3.372	3.372	0.000	100	351417	250.0	561.5	
32 Methyl tert-butyl ether	73	3.445	3.445	0.000	94	374610	25.0	23.7	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	98	123320	25.0	27.1	
33 Acrylonitrile	53	3.475	3.475	0.000	99	703496	250.0	231.4	
35 Hexane	57	3.639	3.639	0.000	91	169169	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.804	3.804	0.000	96	205749	25.0	24.8	
37 Vinyl acetate	43	3.840	3.840	0.000	97	595938	50.0	62.6	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	86	128584	25.0	25.5	
45 cis-1,2-Dichloroethene	96	4.266	4.266	0.000	79	132664	25.0	26.6	
43 2-Butanone (MEK)	43	4.278	4.278	0.000	100	500713	125.0	127.6	
48 Chlorobromomethane	128	4.455	4.455	0.000	91	73721	25.0	27.8	
49 Tetrahydrofuran	42	4.479	4.479	0.000	89	140273	50.0	49.3	
50 Chloroform	83	4.515	4.515	0.000	94	193853	25.0	25.1	
51 1,1,1-Trichloroethane	97	4.625	4.625	0.000	98	157459	25.0	23.9	
52 Cyclohexane	56	4.649	4.649	0.000	89	193788	25.0	25.1	
54 1,1-Dichloropropene	75	4.747	4.747	0.000	97	157923	25.0	26.2	
55 Carbon tetrachloride	117	4.747	4.747	0.000	98	143523	25.0	24.5	
53 Isobutyl alcohol	43	4.874	4.874	0.000	95	360453	625.0	1022.9	
57 Benzene	78	4.911	4.911	0.000	95	461765	25.0	26.4	
58 1,2-Dichloroethane	62	4.947	4.947	0.000	97	152593	25.0	22.4	
59 n-Heptane	43	5.057	5.057	0.000	91	142339	25.0	23.9	
62 Trichloroethene	95	5.385	5.385	0.000	94	121208	25.0	27.5	
64 Methylcyclohexane	83	5.501	5.501	0.000	88	193158	25.0	28.0	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	98	114130	25.0	27.0	
67 Dibromomethane	93	5.671	5.671	0.000	89	78443	25.0	26.7	
66 1,4-Dioxane	88	5.671	5.671	0.000	44	51046	500.0	983.4	
68 Dichlorobromomethane	83	5.781	5.781	0.000	100	143210	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	5.982	5.982	0.000	92	91900	25.0	30.9	
77 trans-1,3-Dichloropropene	75	6.103	6.103	0.000	92	188314	25.0	26.0	
73 4-Methyl-2-pentanone (MIBK	43	6.201	6.201	0.000	95	921409	125.0	118.0	
74 Toluene	92	6.340	6.340	0.000	99	293144	25.0	25.6	
72 cis-1,3-Dichloropropene	75	6.523	6.523	0.000	97	169203	25.0	29.3	
75 Ethyl methacrylate	69	6.553	6.553	0.000	87	183157	25.0	27.2	
79 1,1,2-Trichloroethane	83	6.669	6.669	0.000	90	91122	25.0	26.7	
81 Tetrachloroethene	166	6.754	6.754	0.000	96	145192	25.0	28.9	
82 1,3-Dichloropropane	76	6.797	6.797	0.000	86	189073	25.0	26.7	
80 2-Hexanone	43	6.833	6.833	0.000	95	700237	125.0	126.4	
83 Chlorodibromomethane	129	6.979	6.979	0.000	90	126901	25.0	26.4	
84 Ethylene Dibromide	107	7.070	7.070	0.000	99	129342	25.0	28.2	
87 Chlorobenzene	112	7.429	7.429	0.000	97	338611	25.0	27.4	
88 Ethylbenzene	91	7.496	7.496	0.000	97	526694	25.0	25.8	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.496	0.000	46	124057	25.0	25.3	
90 m-Xylene & p-Xylene	106	7.581	7.581	0.000	0	224712	25.0	26.3	
91 o-Xylene	106	7.904	7.904	0.000	95	224261	25.0	25.5	
92 Styrene	104	7.922	7.922	0.000	95	370438	25.0	26.6	
95 Bromoform	173	8.105	8.105	0.000	99	87128	25.0	27.0	
94 Isopropylbenzene	105	8.190	8.190	0.000	95	558350	25.0	24.8	
101 Bromobenzene	156	8.464	8.464	0.000	90	159766	25.0	26.4	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	94	175238	25.0	25.0	
100 1,2,3-Trichloropropane	110	8.506	8.506	0.000	86	60339	25.0	24.3	
98 trans-1,4-Dichloro-2-buten	53	8.506	8.506	0.000	74	42160	25.0	19.5	
99 N-Propylbenzene	91	8.518	8.518	0.000	99	620587	25.0	25.1	
103 2-Chlorotoluene	126	8.610	8.610	0.000	98	142181	25.0	26.1	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	95	472087	25.0	24.5	
105 4-Chlorotoluene	126	8.695	8.695	0.000	95	147914	25.0	26.1	
106 tert-Butylbenzene	134	8.926	8.926	0.000	90	114921	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	96	487192	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.102	0.000	93	585765	25.0	25.6	
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	532019	25.0	25.4	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	305263	25.0	26.2	
113 1,4-Dichlorobenzene	146	9.297	9.297	0.000	96	314252	25.0	26.8	
115 n-Butylbenzene	91	9.553	9.553	0.000	97	423792	25.0	25.2	
116 1,2-Dichlorobenzene	146	9.607	9.607	0.000	99	305293	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.270	0.000	93	38207	25.0	22.6	
119 1,2,4-Trichlorobenzene	180	10.933	10.933	0.000	94	221512	25.0	26.5	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	96	79545	25.0	25.7	
121 Naphthalene	128	11.134	11.134	0.000	96	692964	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	210912	25.0	26.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00124	Amount Added:	12.50	Units: uL	
8260 CORP mix_00060	Amount Added:	12.50	Units: uL	
Q_8260_IS_00108	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added:	1.25	Units: uL	Run Reagent

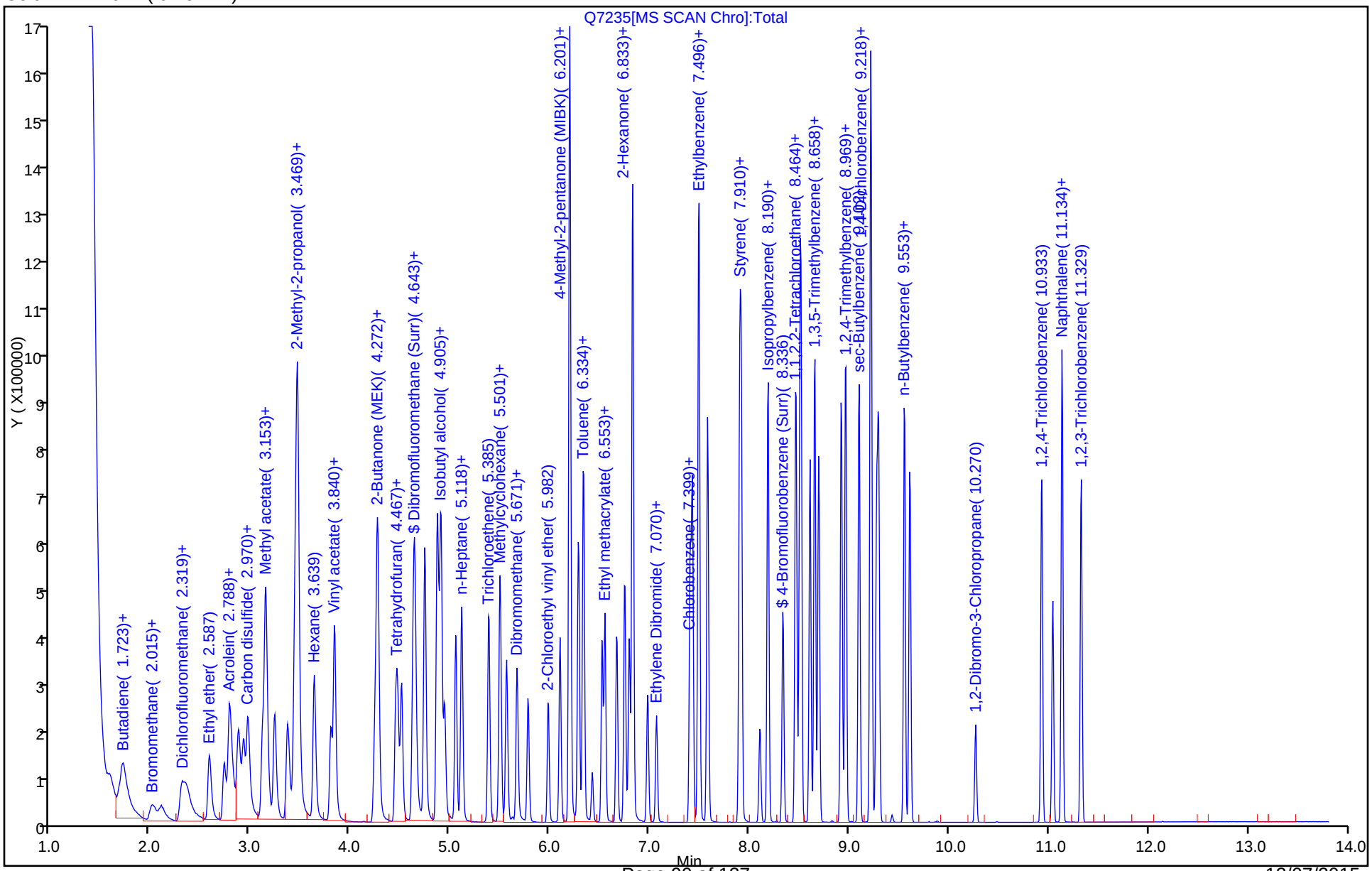
Report Date: 02-Dec-2015 21:12:51 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7235.D

Injection Date:	02-Dec-2015 20:26:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

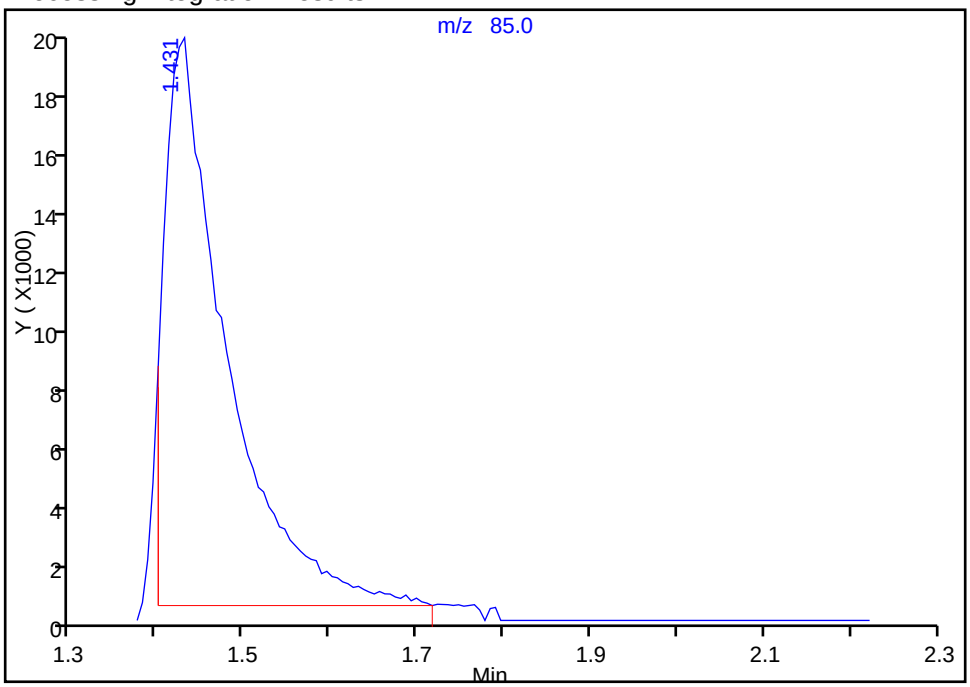
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7235.D
Injection Date: 02-Dec-2015 20:26:30 Instrument ID: HP5973Q
Lims ID: CCVIS
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

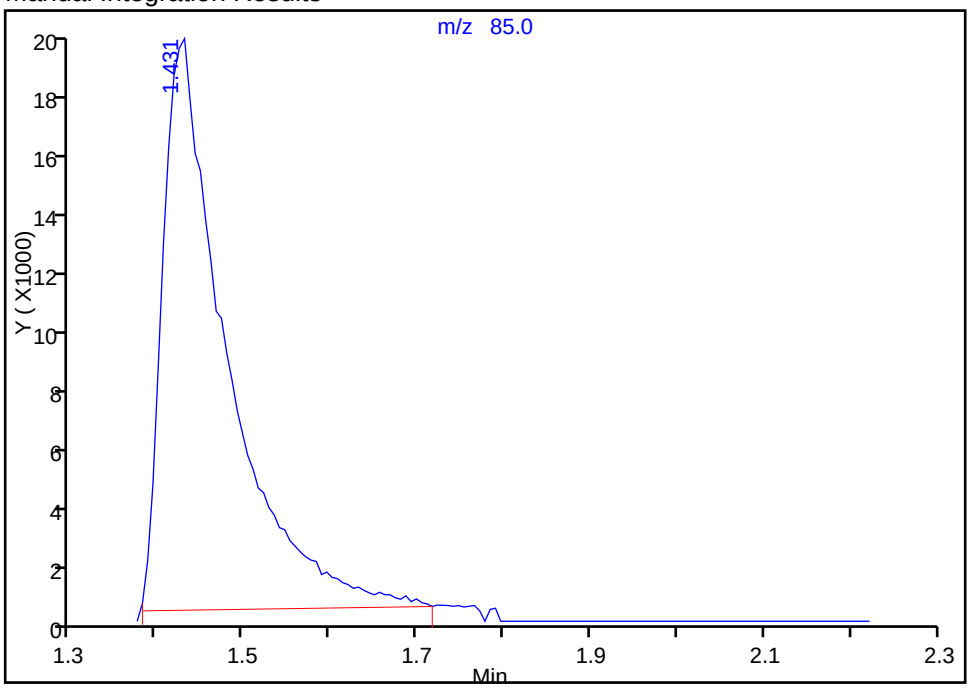
Processing Integration Results

RT: 1.43
Area: 96936
Amount: 20.585555
Amount Units: ug/L



Manual Integration Results

RT: 1.43
Area: 100667
Amount: 21.377879
Amount Units: ug/L



Reviewer: diasn, 02-Dec-2015 21:12:50
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6123.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Oct-2015 18:19:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0047687-003
Operator ID: JG Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Oct-2015 21:05:34 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: diasn Date: 26-Oct-2015 18:33:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.215	4.215	0.000	0	76841	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

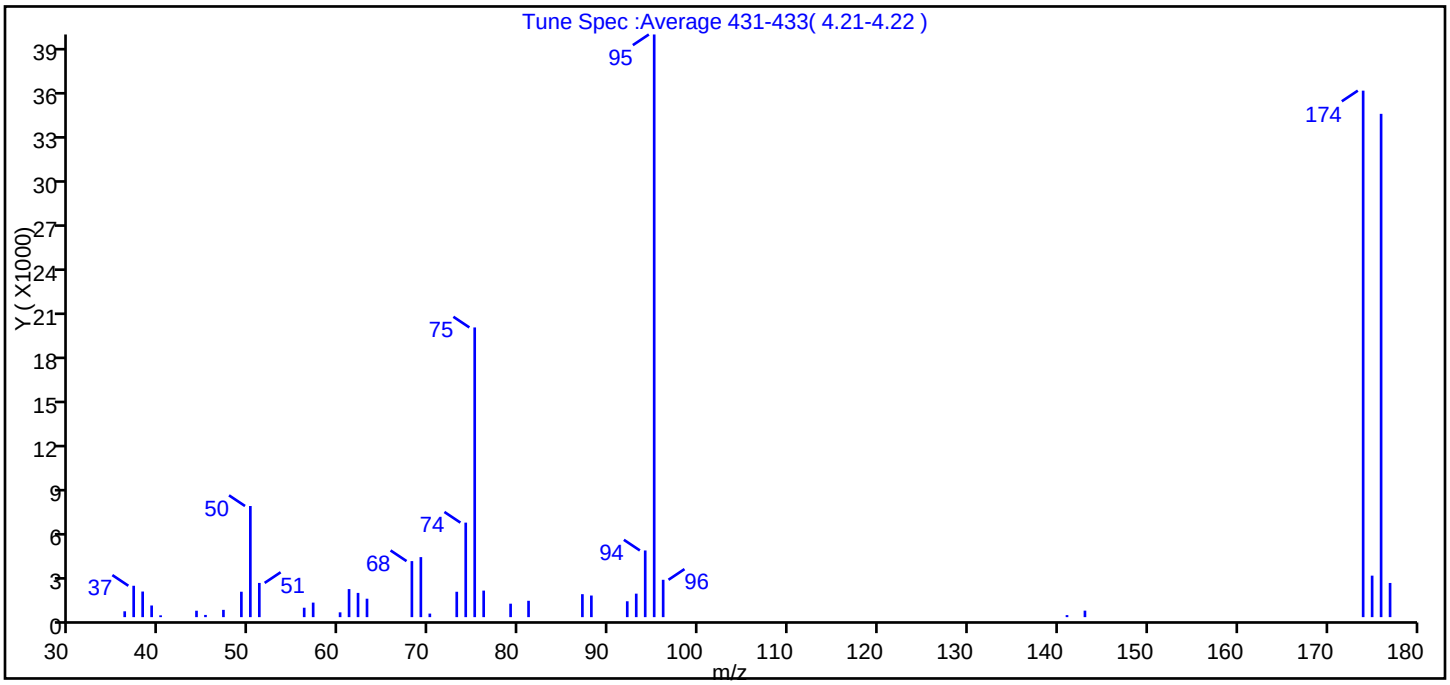
BFB_WRK_00049 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6123.D
Injection Date: 26-Oct-2015 18:19:30 Instrument ID: HP5973Q
Lims ID: BFB
Client ID:
Operator ID: JG ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	49.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	7.1 (7.9)
176	Greater than 95% but less than 101% of m/z 174	86.4 (95.6)
177	5 to 9% of m/z 176	5.9 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6123.D\Q-8260.rslt\spectra.d
Injection Date: 26-Oct-2015 18:19:30
Spectrum: Tune Spec :Average 431-433(4.21-4.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	401	51.00	2349	73.00	1743	94.00	4577
37.00	2154	56.00	647	74.00	6489	95.00	40000
38.00	1758	57.00	998	75.00	19888	96.00	2565
39.00	800	60.00	330	76.00	1822	141.00	140
40.00	124	61.00	1926	79.00	924	143.00	446
44.00	441	62.00	1664	81.00	1123	174.00	36144
45.00	152	63.00	1266	87.00	1577	175.00	2849
47.00	501	68.00	3847	88.00	1484	176.00	34552
49.00	1745	69.00	4121	92.00	1090	177.00	2347
50.00	7629	70.00	244	93.00	1613		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7234.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Dec-2015 20:01:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048881-002
Operator ID: NMD Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 20:16:50 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: diasn Date: 02-Dec-2015 20:16:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.215	4.215	0.000	0	50484	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

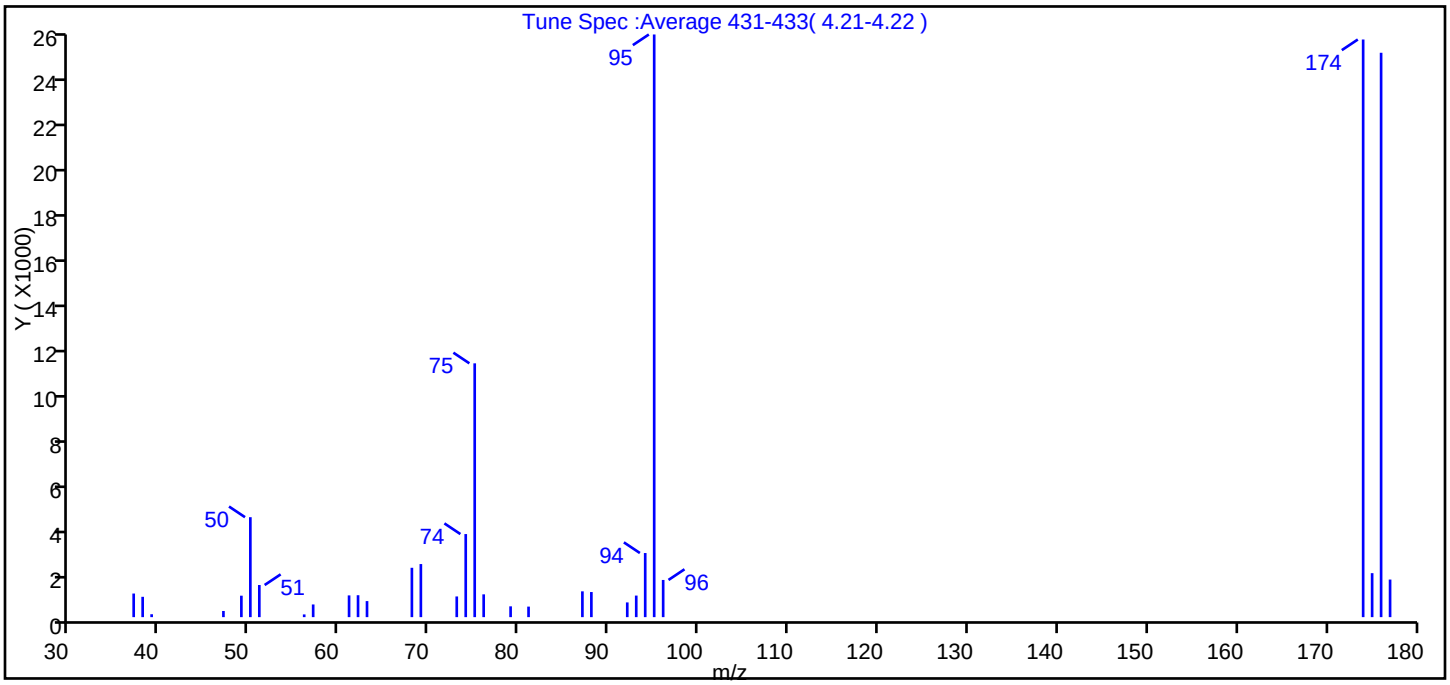
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7234.D
Injection Date: 02-Dec-2015 20:01:30 Instrument ID: HP5973Q
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.2
75	30 to 60% of m/z 95	43.6
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	99.1
175	5 to 9% of m/z 174	7.5 (7.6)
176	Greater than 95% but less than 101% of m/z 174	96.9 (97.7)
177	5 to 9% of m/z 176	6.5 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7234.D\Q-8260.rslt\spectra.d
Injection Date: 02-Dec-2015 20:01:30
Spectrum: Tune Spec :Average 431-433(4.21-4.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 31

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1053	57.00	566	75.00	11322	94.00	2860
38.00	907	61.00	970	76.00	1017	95.00	25992
39.00	130	62.00	978	79.00	482	96.00	1659
47.00	275	63.00	716	81.00	470	174.00	25768
49.00	957	68.00	2202	87.00	1151	175.00	1962
50.00	4459	69.00	2368	88.00	1120	176.00	25176
51.00	1433	73.00	923	92.00	657	177.00	1677
56.00	122	74.00	3706	93.00	962		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-277868/6

Matrix: Water Lab File ID: Q7238.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/02/2015 21:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 277868 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-2

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-277868/6

Matrix: Water | Lab File ID: Q7238.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/02/2015 21:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277868 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7238.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Dec-2015 21:35:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0048881-006
Operator ID: NMD Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 21:58:45 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: diasn Date: 02-Dec-2015 21:58:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	99	62620	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.406	7.405	0.001	83	117202	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	93	142969	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.638	4.637	0.001	95	91002	25.0	27.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.887	4.887	0.001	0	50580	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.286	6.286	0.000	92	297457	25.0	26.5	
$ 6 4-Bromofluorobenzene (Surr	174	8.336	8.336	0.000	98	105425	25.0	28.0	
10 Dichlorodifluoromethane	85		1.431					ND	
11 Chlorodifluoromethane	51		1.457					ND	
12 Chloromethane	50		1.595					ND	
13 Vinyl chloride	62		1.705					ND	
144 Butadiene	54		1.723					ND	
14 Bromomethane	94		2.015					ND	
15 Chloroethane	64		2.106					ND	
17 Trichlorofluoromethane	101		2.301					ND	
16 Dichlorofluoromethane	67		2.325					ND	
141 Ethanol	45		2.582					ND	
18 Ethyl ether	59		2.587					ND	
20 Acrolein	56		2.739					ND	
22 1,1-Dichloroethene	96		2.788					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.812					ND	
23 Acetone	43		2.879					ND	
25 Iodomethane	142		2.934					ND	
26 Carbon disulfide	76		2.976					ND	
24 Isopropyl alcohol	45		3.039					ND	
28 3-Chloro-1-propene	41		3.122					ND	
29 Acetonitrile	40		3.148					ND	
27 Methyl acetate	43		3.153					ND	
30 Methylene Chloride	84		3.244					ND	
31 2-Methyl-2-propanol	59		3.372					ND	
32 Methyl tert-butyl ether	73		3.445					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96		3.457					ND	
33 Acrylonitrile	53		3.475					ND	
35 Hexane	57		3.639					ND	
39 1,1-Dichloroethane	63		3.804					ND	
36 Isopropyl ether	45		3.823					ND	
37 Vinyl acetate	43		3.840					ND	
40 2-Chloro-1,3-butadiene	53		3.866					ND	
38 1,1-Dimethoxyethane	75		3.878					ND	
41 Tert-butyl ethyl ether	59		4.109					ND	
44 2,2-Dichloropropane	77		4.248					ND	
45 cis-1,2-Dichloroethene	96		4.266					ND	
43 2-Butanone (MEK)	43		4.278					ND	
42 Ethyl acetate	43		4.310					ND	
46 Propionitrile	54		4.353					ND	
47 Methacrylonitrile	41		4.450					ND	
48 Chlorobromomethane	128		4.455					ND	
49 Tetrahydrofuran	42		4.479					ND	
50 Chloroform	83		4.515					ND	
51 1,1,1-Trichloroethane	97		4.625					ND	
52 Cyclohexane	56		4.649					ND	
54 1,1-Dichloropropene	75		4.747					ND	
55 Carbon tetrachloride	117		4.747					ND	
53 Isobutyl alcohol	43		4.874					ND	
57 Benzene	78		4.911					ND	
146 Isooctane	57		4.919					ND	
140 t-Amyl alcohol	59		4.931					ND	
58 1,2-Dichloroethane	62		4.947					ND	
56 Tert-amyl methyl ether	73		4.967					ND	
59 n-Heptane	43		5.057					ND	
1 1,4-Difluorobenzene	114		5.198					ND	
60 n-Butanol	56		5.357					ND	
62 Trichloroethene	95		5.385					ND	
145 Ethyl acrylate	55		5.460					ND	
64 Methylcyclohexane	83		5.501					ND	
65 1,2-Dichloropropane	63		5.568					ND	
63 Methyl methacrylate	41		5.630					ND	
67 Dibromomethane	93		5.671					ND	
66 1,4-Dioxane	88		5.671					ND	
68 Dichlorobromomethane	83		5.781					ND	
70 2-Nitropropane	43		5.959					ND	
69 2-Chloroethyl vinyl ether	63		5.982					ND	
71 Epichlorohydrin	57		6.056					ND	
77 trans-1,3-Dichloropropene	75		6.103					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.201					ND	
74 Toluene	92		6.340					ND	
76 2-Methylthiophene	97		6.442					ND	
72 cis-1,3-Dichloropropene	75		6.523					ND	
75 Ethyl methacrylate	69		6.553					ND	
78 3-Methylthiophene	97		6.570					ND	
79 1,1,2-Trichloroethane	83		6.669					ND	
81 Tetrachloroethene	166		6.754					ND	
82 1,3-Dichloropropane	76		6.797					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 2-Hexanone	43		6.833					ND	
149 n-Butyl acetate	43		6.908					ND	
83 Chlorodibromomethane	129		6.979					ND	
84 Ethylene Dibromide	107		7.070					ND	
139 1-Chlorohexane	55		7.376					ND	
85 3-Chlorobenzotrifluoride	180		7.382					ND	
87 Chlorobenzene	112		7.429					ND	
86 4-Chlorobenzotrifluoride	180		7.431					ND	
88 Ethylbenzene	91		7.496					ND	
89 1,1,1,2-Tetrachloroethane	131		7.496					ND	
90 m-Xylene & p-Xylene	106		7.581					ND	
91 o-Xylene	106		7.904					ND	
92 Styrene	104		7.922					ND	
95 Bromoform	173		8.105					ND	
93 2-Chlorobenzotrifluoride	180		8.118					ND	
94 Isopropylbenzene	105		8.190					ND	
96 Cyclohexanone	55		8.307					ND	
101 Bromobenzene	156		8.464					ND	
97 1,1,2,2-Tetrachloroethane	83		8.470					ND	
100 1,2,3-Trichloropropane	110		8.506					ND	
98 trans-1,4-Dichloro-2-buten	53		8.506					ND	
99 N-Propylbenzene	91		8.518					ND	
103 2-Chlorotoluene	126		8.610					ND	
102 1,3,5-Trimethylbenzene	105		8.658					ND	
104 3-Chlorotoluene	126		8.660					ND	
105 4-Chlorotoluene	126		8.695					ND	
106 tert-Butylbenzene	134		8.926					ND	
107 1,2,4-Trimethylbenzene	105		8.969					ND	
108 Pentachloroethane	167		8.976					ND	
109 sec-Butylbenzene	105		9.102					ND	
110 4-Isopropyltoluene	119		9.218					ND	
111 1,3-Dichlorobenzene	146		9.224					ND	
113 1,4-Dichlorobenzene	146		9.297					ND	
114 Dicyclopentadiene	66		9.299					ND	
112 1,2,3-Trimethylbenzene	105		9.323					ND	
143 Benzyl chloride	126		9.414					ND	
115 n-Butylbenzene	91		9.553					ND	
116 1,2-Dichlorobenzene	146		9.607					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.270					ND	
118 1,3,5-Trichlorobenzene	180		10.412					ND	
119 1,2,4-Trichlorobenzene	180		10.933					ND	
120 Hexachlorobutadiene	225		11.043					ND	
121 Naphthalene	128		11.134					ND	
122 1,2,3-Trichlorobenzene	180		11.329					ND	
142 2-Methylnaphthalene	142		11.994					ND	
132 Halothane	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 127 Ethanol TIC	45		2.280					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 134 Pentachloroethane TIC	1		0.000					ND	
T 136 Propene oxide TIC	1		0.000					ND	
T 133 bis(chloromethyl)ether TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 138 Ethylene oxide TIC	1		0.000					ND	
T 137 1-Bromopropane TIC	1		0.000					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	

Reagents:

Q_8260_IS_00108	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added:	1.25	Units: uL	Run Reagent

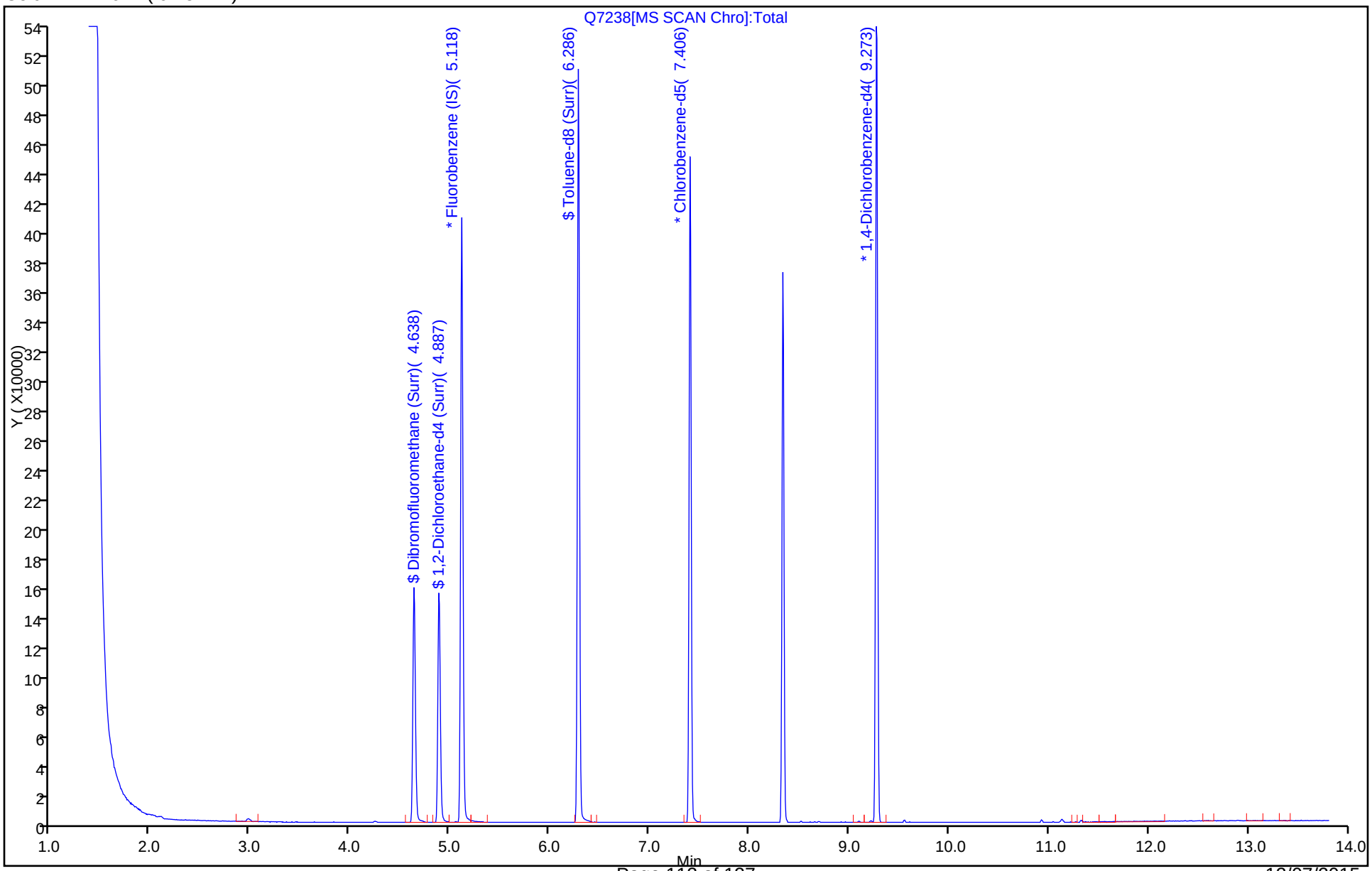
Report Date: 02-Dec-2015 21:58:45 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7238.D

Injection Date:	02-Dec-2015 21:35:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277868/4

Matrix: Water | Lab File ID: Q7236.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/02/2015 20:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277868 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.6		1.0	0.23
75-34-3	1,1-Dichloroethane	24.7		1.0	0.38
75-35-4	1,1-Dichloroethene	27.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.7		1.0	0.39
106-93-4	1,2-Dibromoethane	27.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.5		1.0	0.79
107-06-2	1,2-Dichloroethane	22.1		1.0	0.21
78-87-5	1,2-Dichloropropane	26.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.0		1.0	0.84
78-93-3	2-Butanone (MEK)	119		10	1.3
591-78-6	2-Hexanone	120		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	117		5.0	2.1
67-64-1	Acetone	163		10	3.0
71-43-2	Benzene	26.0		1.0	0.41
75-27-4	Bromodichloromethane	25.5		1.0	0.39
75-25-2	Bromoform	26.4		1.0	0.26
74-83-9	Bromomethane	21.0		1.0	0.69
75-15-0	Carbon disulfide	26.4		1.0	0.19
56-23-5	Carbon tetrachloride	24.6		1.0	0.27
108-90-7	Chlorobenzene	27.5		1.0	0.75
75-00-3	Chloroethane	20.1		1.0	0.32
67-66-3	Chloroform	25.2		1.0	0.34
74-87-3	Chloromethane	20.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.5		1.0	0.36
110-82-7	Cyclohexane	24.9		1.0	0.18
124-48-1	Dibromochloromethane	26.6		1.0	0.32
75-71-8	Dichlorodifluoromethane	21.4		1.0	0.68
100-41-4	Ethylbenzene	26.0		1.0	0.74
98-82-8	Isopropylbenzene	25.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-91710-2

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-277868/4

Matrix: Water | Lab File ID: Q7236.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/02/2015 20:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 277868 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	127		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.6		1.0	0.16
108-87-2	Methylcyclohexane	27.4		1.0	0.16
75-09-2	Methylene Chloride	29.8		1.0	0.44
100-42-5	Styrene	26.7		1.0	0.73
127-18-4	Tetrachloroethene	28.9		1.0	0.36
108-88-3	Toluene	25.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.3		1.0	0.37
79-01-6	Trichloroethene	27.0		1.0	0.46
75-69-4	Trichlorofluoromethane	21.8		1.0	0.88
75-01-4	Vinyl chloride	21.9		1.0	0.90
1330-20-7	Xylenes, Total	52.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7236.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 02-Dec-2015 20:49:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0048881-004
Operator ID: NMD Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 21:14:32 Calib Date: 27-Oct-2015 01:40:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151026-47687.b\Q6140.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 02-Dec-2015 21:14:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	99	68035	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.405	7.405	0.000	82	129016	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	92	155600	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.637	4.637	0.000	94	96010	25.0	26.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.887	0.007	0	52334	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	6.286	6.286	0.000	92	329660	25.0	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.336	0.006	97	117745	25.0	28.4	
10 Dichlorodifluoromethane	85	1.431	1.431	0.000	99	98865	25.0	21.4	M
12 Chloromethane	50	1.595	1.595	0.000	99	109637	25.0	20.7	
13 Vinyl chloride	62	1.711	1.705	0.006	98	112511	25.0	21.9	
144 Butadiene	54	1.729	1.723	0.006	88	106097	25.0	21.5	
14 Bromomethane	94	2.027	2.015	0.012	91	69241	25.0	21.0	
15 Chloroethane	64	2.119	2.106	0.013	99	64172	25.0	20.1	
17 Trichlorofluoromethane	101	2.301	2.301	0.000	97	146258	25.0	21.8	
16 Dichlorofluoromethane	67	2.331	2.325	0.006	95	169469	25.0	21.2	
18 Ethyl ether	59	2.587	2.587	0.000	90	112052	25.0	24.8	
20 Acrolein	56	2.739	2.739	0.000	100	144018	125.0	241.2	
22 1,1-Dichloroethene	96	2.794	2.788	0.006	97	112250	25.0	27.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.812	2.812	0.000	89	88111	25.0	21.8	
23 Acetone	43	2.885	2.879	0.006	100	293687	125.0	163.4	
25 Iodomethane	142	2.934	2.934	0.000	97	233221	25.0	27.8	
26 Carbon disulfide	76	2.976	2.976	0.000	99	356215	25.0	26.4	
28 3-Chloro-1-propene	41	3.122	3.122	0.000	94	170535	25.0	22.1	
27 Methyl acetate	43	3.153	3.153	0.000	98	673451	125.0	127.3	
30 Methylene Chloride	84	3.244	3.244	0.000	92	123509	25.0	29.8	
31 2-Methyl-2-propanol	59	3.372	3.372	0.000	100	335458	250.0	545.5	
32 Methyl tert-butyl ether	73	3.445	3.445	0.000	93	366084	25.0	23.6	
34 trans-1,2-Dichloroethene	96	3.457	3.457	0.000	98	122167	25.0	27.3	
33 Acrylonitrile	53	3.475	3.475	0.000	100	676078	250.0	226.3	
35 Hexane	57	3.639	3.639	0.000	90	159513	25.0	26.8	
39 1,1-Dichloroethane	63	3.810	3.804	0.006	96	201342	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.846	3.840	0.006	97	570223	50.0	61.0	
44 2,2-Dichloropropane	77	4.248	4.248	0.000	87	128850	25.0	26.0	
45 cis-1,2-Dichloroethene	96	4.266	4.266	0.000	80	133441	25.0	27.3	
43 2-Butanone (MEK)	43	4.278	4.278	0.000	100	460201	125.0	119.4	
48 Chlorobromomethane	128	4.455	4.455	0.000	91	72345	25.0	27.8	
49 Tetrahydrofuran	42	4.479	4.479	0.000	89	131329	50.0	46.9	
50 Chloroform	83	4.515	4.515	0.000	94	191849	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.625	4.625	0.000	98	155673	25.0	24.0	
52 Cyclohexane	56	4.649	4.649	0.000	89	188905	25.0	24.9	
55 Carbon tetrachloride	117	4.747	4.747	0.000	98	141923	25.0	24.6	
54 1,1-Dichloropropene	75	4.747	4.747	0.000	98	150686	25.0	25.5	
53 Isobutyl alcohol	43	4.874	4.874	0.000	96	333938	625.0	964.1	
57 Benzene	78	4.911	4.911	0.000	96	447604	25.0	26.0	
58 1,2-Dichloroethane	62	4.947	4.947	0.000	97	148298	25.0	22.1	
59 n-Heptane	43	5.057	5.057	0.000	92	128880	25.0	22.0	
62 Trichloroethene	95	5.391	5.385	0.006	94	117198	25.0	27.0	
64 Methylcyclohexane	83	5.501	5.501	0.000	88	185732	25.0	27.4	
65 1,2-Dichloropropane	63	5.568	5.568	0.000	97	109215	25.0	26.3	
66 1,4-Dioxane	88	5.671	5.671	0.000	43	46216	500.0	950.2	
67 Dibromomethane	93	5.671	5.671	0.000	90	77530	25.0	26.9	
68 Dichlorobromomethane	83	5.781	5.781	0.000	99	138163	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	5.982	5.982	0.000	92	81456	25.0	27.8	
77 trans-1,3-Dichloropropene	75	6.103	6.103	0.000	92	178248	25.0	26.3	
73 4-Methyl-2-pentanone (MIBK	43	6.201	6.201	0.000	95	853566	125.0	116.6	
74 Toluene	92	6.340	6.340	0.000	99	276459	25.0	25.8	
72 cis-1,3-Dichloropropene	75	6.523	6.523	0.000	97	156036	25.0	27.5	
75 Ethyl methacrylate	69	6.553	6.553	0.000	88	167904	25.0	26.6	
79 1,1,2-Trichloroethane	83	6.669	6.669	0.000	90	85119	25.0	26.6	
81 Tetrachloroethene	166	6.754	6.754	0.000	96	136256	25.0	28.9	
82 1,3-Dichloropropane	76	6.797	6.797	0.000	86	175103	25.0	26.4	
80 2-Hexanone	43	6.833	6.833	0.000	95	622616	125.0	119.9	
83 Chlorodibromomethane	129	6.979	6.979	0.000	90	119627	25.0	26.6	
84 Ethylene Dibromide	107	7.070	7.070	0.000	99	119302	25.0	27.8	
87 Chlorobenzene	112	7.429	7.429	0.000	97	318769	25.0	27.5	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.496	0.000	49	121347	25.0	26.4	
88 Ethylbenzene	91	7.496	7.496	0.000	97	497195	25.0	26.0	
90 m-Xylene & p-Xylene	106	7.581	7.581	0.000	0	211745	25.0	26.5	
91 o-Xylene	106	7.904	7.904	0.000	95	215554	25.0	26.2	
92 Styrene	104	7.922	7.922	0.000	96	348683	25.0	26.7	
95 Bromoform	173	8.105	8.105	0.000	99	79835	25.0	26.4	
94 Isopropylbenzene	105	8.184	8.190	-0.006	95	539383	25.0	25.3	
101 Bromobenzene	156	8.464	8.464	0.000	90	150653	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.470	0.000	94	165529	25.0	25.0	
100 1,2,3-Trichloropropane	110	8.506	8.506	0.000	86	56299	25.0	23.9	
98 trans-1,4-Dichloro-2-buten	53	8.506	8.506	0.000	72	31577	25.0	15.5	
99 N-Propylbenzene	91	8.518	8.518	0.000	99	591386	25.0	25.3	
103 2-Chlorotoluene	126	8.610	8.610	0.000	98	135795	25.0	26.4	
102 1,3,5-Trimethylbenzene	105	8.658	8.658	0.000	95	455823	25.0	25.0	
105 4-Chlorotoluene	126	8.695	8.695	0.000	95	137893	25.0	25.7	
106 tert-Butylbenzene	134	8.926	8.926	0.000	90	109771	25.0	26.8	
107 1,2,4-Trimethylbenzene	105	8.969	8.969	0.000	95	467567	25.0	24.9	
109 sec-Butylbenzene	105	9.102	9.102	0.000	93	561988	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.218	9.218	0.000	97	510802	25.0	25.8	
111 1,3-Dichlorobenzene	146	9.224	9.224	0.000	98	292090	25.0	26.5	
113 1,4-Dichlorobenzene	146	9.297	9.297	0.000	96	299167	25.0	27.0	
115 n-Butylbenzene	91	9.553	9.553	0.000	97	406838	25.0	25.6	
116 1,2-Dichlorobenzene	146	9.607	9.607	0.000	99	292645	25.0	26.5	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.270	0.000	93	36314	25.0	22.7	
119 1,2,4-Trichlorobenzene	180	10.933	10.933	0.000	94	221222	25.0	28.0	
120 Hexachlorobutadiene	225	11.043	11.043	0.000	96	78751	25.0	26.9	
121 Naphthalene	128	11.134	11.134	0.000	96	686170	25.0	26.4	
122 1,2,3-Trichlorobenzene	180	11.329	11.329	0.000	96	212484	25.0	28.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	12.50	Units: uL	
GAS CORP mix_00124	Amount Added:	12.50	Units: uL	
Q_8260_IS_00108	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added:	1.25	Units: uL	Run Reagent

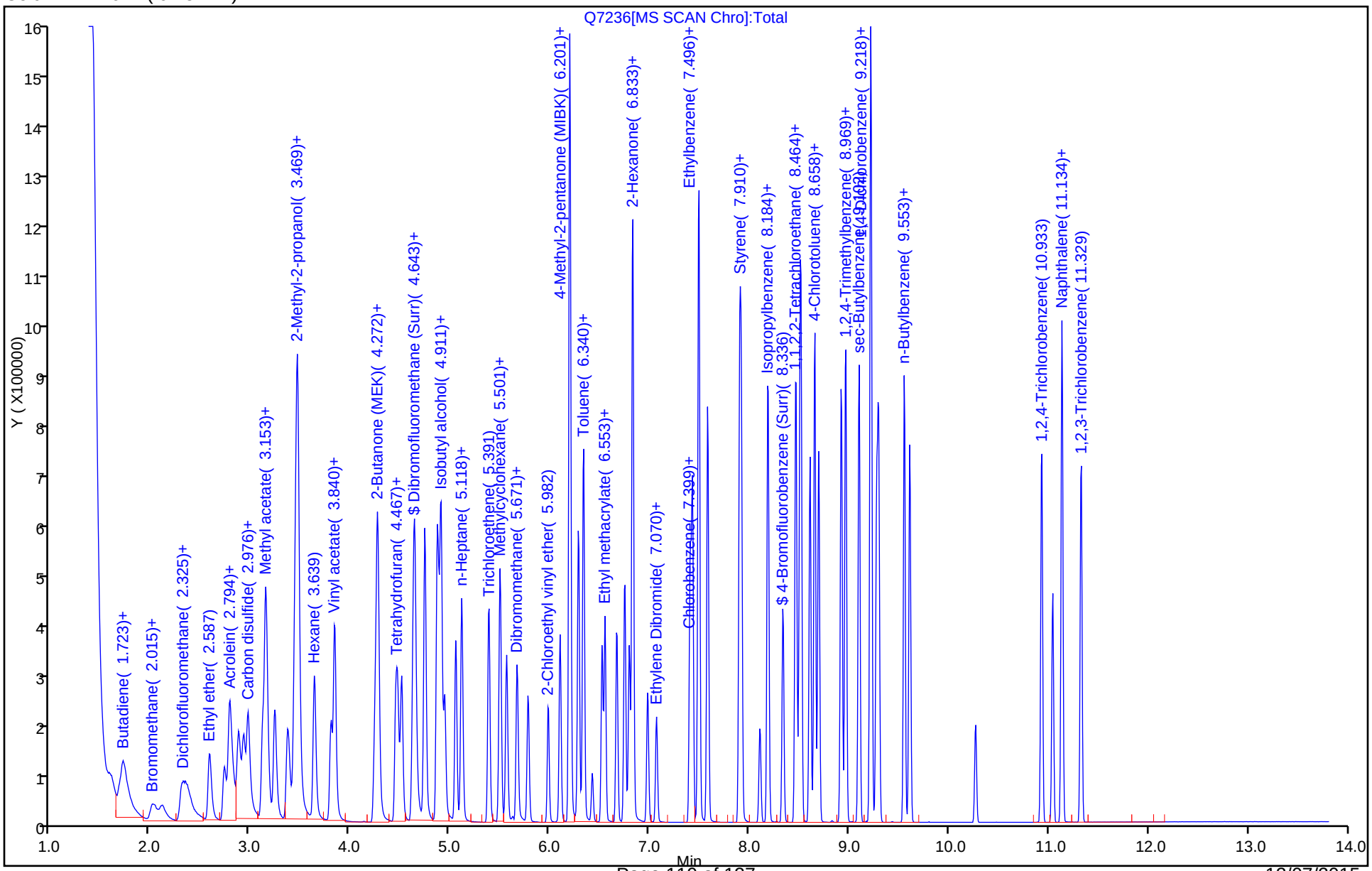
Report Date: 02-Dec-2015 21:14:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7236.D

Injection Date:	02-Dec-2015 20:49:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

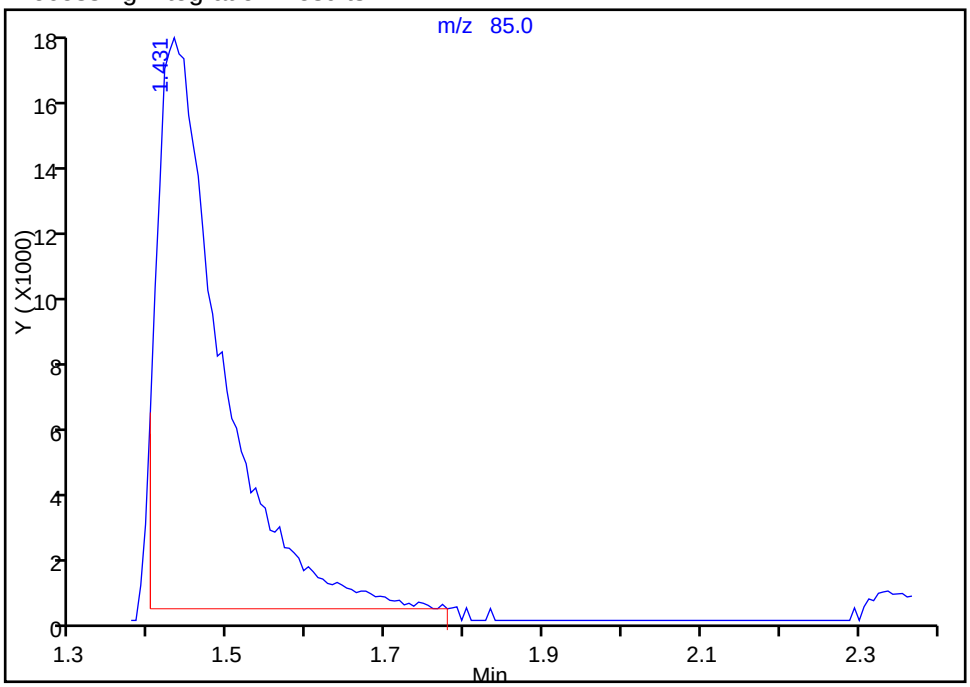
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151202-48881.b\Q7236.D
Injection Date: 02-Dec-2015 20:49:30 Instrument ID: HP5973Q
Lims ID: LCS
Client ID:
Operator ID: NMD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

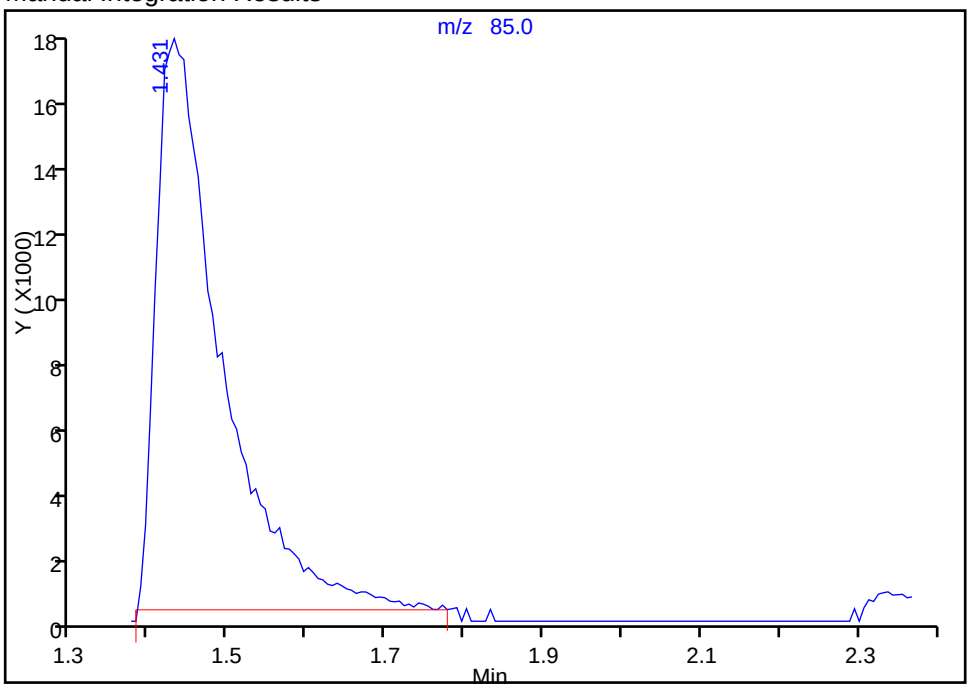
Processing Integration Results

RT: 1.43
Area: 97639
Amount: 21.100262
Amount Units: ug/L



Manual Integration Results

RT: 1.43
Area: 98865
Amount: 21.365206
Amount Units: ug/L



Reviewer: diasn, 02-Dec-2015 21:14:32
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Instrument ID: HP5973Q Start Date: 10/26/2015 18:19

Analysis Batch Number: 271162 End Date: 10/27/2015 02:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-271162/3		10/26/2015 18:19	1	Q6123.D	ZB-624 (60) 0.25(mm)
IC 480-271162/5		10/26/2015 19:12	1	Q6125.D	ZB-624 (60) 0.25(mm)
IC 480-271162/6		10/26/2015 19:38	1	Q6126.D	ZB-624 (60) 0.25(mm)
IC 480-271162/7		10/26/2015 20:04	1	Q6127.D	ZB-624 (60) 0.25(mm)
IC 480-271162/8		10/26/2015 20:30	1	Q6128.D	ZB-624 (60) 0.25(mm)
IC 480-271162/9		10/26/2015 20:55	1	Q6129.D	ZB-624 (60) 0.25(mm)
ICIS 480-271162/10		10/26/2015 21:21	1	Q6130.D	ZB-624 (60) 0.25(mm)
IC 480-271162/11		10/26/2015 21:47	1	Q6131.D	ZB-624 (60) 0.25(mm)
IC 480-271162/12		10/26/2015 22:13	1	Q6132.D	ZB-624 (60) 0.25(mm)
IC 480-271162/14		10/26/2015 23:05	1		ZB-624 (60) 0.25(mm)
IC 480-271162/15		10/26/2015 23:31	1		ZB-624 (60) 0.25(mm)
IC 480-271162/16		10/26/2015 23:57	1		ZB-624 (60) 0.25(mm)
IC 480-271162/17		10/27/2015 00:23	1		ZB-624 (60) 0.25(mm)
IC 480-271162/18		10/27/2015 00:48	1		ZB-624 (60) 0.25(mm)
IC 480-271162/19		10/27/2015 01:14	1		ZB-624 (60) 0.25(mm)
IC 480-271162/20		10/27/2015 01:40	1		ZB-624 (60) 0.25(mm)
MDLV 480-271162/22		10/27/2015 02:31	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-91710-2

SDG No.:

Instrument ID: HP5973Q Start Date: 12/02/2015 20:01

Analysis Batch Number: 277868 End Date: 12/03/2015 04:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277868/2		12/02/2015 20:01	1	Q7234.D	ZB-624 (60) 0.25(mm)
CCVIS 480-277868/3		12/02/2015 20:26	1	Q7235.D	ZB-624 (60) 0.25(mm)
LCS 480-277868/4		12/02/2015 20:49	1	Q7236.D	ZB-624 (60) 0.25(mm)
MB 480-277868/6		12/02/2015 21:35	1	Q7238.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/02/2015 21:58	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/02/2015 22:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/02/2015 22:44	200		ZB-624 (60) 0.25(mm)
ZZZZZ		12/02/2015 23:07	200		ZB-624 (60) 0.25(mm)
ZZZZZ		12/02/2015 23:31	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/02/2015 23:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 00:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 00:41	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 01:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 01:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 01:52	1		ZB-624 (60) 0.25(mm)
480-91710-1	SB-RINSEBLANK1	12/03/2015 02:15	1	Q7250.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 02:38	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 03:02	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 03:25	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 03:49	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 04:13	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/03/2015 04:36	40		ZB-624 (60) 0.25(mm)

GC/MS VOA Worksheet

Batch Number: 480-277868
Method: 8260C
Analyst: Cwiklinski, Charles D

Date Open: Dec 02 2015 8:01PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00060	BFB_WRK_00050
BFB~480-277868/2					1 uL	1 uL	HP5973Q		1 uL
CCVIS~480-277868/3					5 mL	5 mL	HP5973Q	12.5 uL	
LCS~480-277868/4					5 mL	5 mL	HP5973Q	12.5 uL	
MB~480-277868/6					5 mL	5 mL	HP5973Q		
480-91749-K-1-A		8260C	P		5 mL	5 mL	HP5973Q		
480-91749-A-2-A		8260C	P		5 mL	5 mL	HP5973Q		
480-91603-A-13	57231	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91603-A-14	57232	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91608-L-1	SC-1	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91608-L-2	SC-3	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91608-L-3	SC-4	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91608-L-4	CHA-1	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91608-L-5	CHA-2	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91608-L-6	FD-1	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91608-A-7	Trip Blank	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91710-A-1	SB-RINSEBLANK1	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-91787-A-11	TMW 1	8260C	T	7 SU	5 mL	5 mL	HP5973Q		
480-91787-A-12	TMW 2	8260C	T	7 SU	5 mL	5 mL	HP5973Q		
480-91787-A-13	TMW 3	8260C	T	7 SU	5 mL	5 mL	HP5973Q		
480-91787-A-14	TMW 4	8260C	T	7 SU	5 mL	5 mL	HP5973Q		
480-91787-A-14~MS		8260C	T	7 SU	5 mL	5 mL	HP5973Q	12.5 uL	
480-91787-A-14~MSD		8260C	T	7 SU	5 mL	5 mL	HP5973Q	12.5 uL	

GC/MS VOA Worksheet

Batch Number: 480-277868
Method: 8260C
Analyst: Cwiklinski, Charles D

Date Open: Dec 02 2015 8:01PM
Batch End:

Lab ID	Client ID	Method Chain	Basis GAS CORP mix_00124	Q_8260_IS_00108	Q_8260_SURR_00101
BFB~480-277868/2					
CCVIS~480-277868/3			12.5 uL	1.25 uL	1.25 uL
LCS~480-277868/4			12.5 uL	1.25 uL	1.25 uL
MB~480-277868/6				1.25 uL	1.25 uL
480-91749-K-1-A		8260C	P	1.25 uL	1.25 uL
480-91749-A-2-A		8260C	P	1.25 uL	1.25 uL
480-91603-A-13	57231	8260C	T	1.25 uL	1.25 uL
480-91603-A-14	57232	8260C	T	1.25 uL	1.25 uL
480-91608-L-1	SC-1	8260C	T	1.25 uL	1.25 uL
480-91608-L-2	SC-3	8260C	T	1.25 uL	1.25 uL
480-91608-L-3	SC-4	8260C	T	1.25 uL	1.25 uL
480-91608-L-4	CHA-1	8260C	T	1.25 uL	1.25 uL
480-91608-L-5	CHA-2	8260C	T	1.25 uL	1.25 uL
480-91608-L-6	FD-1	8260C	T	1.25 uL	1.25 uL
480-91608-A-7	Trip Blank	8260C	T	1.25 uL	1.25 uL
480-91710-A-1	SB-RINSEBLANK1	8260C	T	1.25 uL	1.25 uL
480-91787-A-11	TMW 1	8260C	T	1.25 uL	1.25 uL
480-91787-A-12	TMW 2	8260C	T	1.25 uL	1.25 uL
480-91787-A-13	TMW 3	8260C	T	1.25 uL	1.25 uL
480-91787-A-14	TMW 4	8260C	T	1.25 uL	1.25 uL
480-91787-A-14~MS		8260C	T	12.5 uL	1.25 uL	1.25 uL
480-91787-A-14~MSD		8260C	T	12.5 uL	1.25 uL	1.25 uL

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.5
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page ~~5 of 5~~ 1 of 1
Company: Stantec Consulting Services Inc				Job #:

Address: 61 Commercial Street	Due Date Requested: 11/30/15 (soil)	Analysis Requested	Preservation Codes:
City: Rochester	TAT Requested (days): 3d ~~48 hr~~ (all soil) 10 d (rinseblank)		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY, 14614			
Phone:	PO #: Purchase Order not required		Other:
Email: laura.best@stantec.com	WO #: 10137		
Project Name: Lockheed Martin Corporation	Project #: 48002828		
Site: New York	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
SB-RINSEBLANK1	11/24/15	1530	G	W ~~Solid~~					X	3	
B23-AREA2-S1	11/23/15	1215	G	Solid				X		1	
B23-AREA2-S2	11/23/15	1240	G	Solid				X		1	
B24-AREA2-S1	11/23/15	1505	G	Solid				X		1	
B24-AREA2-S2	11/23/15	1530	G	Solid				X		1	
B22-POLEBARN-S1	11/24/15	1320	G	Solid				X		1	
B22-POLEBARN-S2	11/24/15	1340	G	Solid				X		1	
B22-POLEBARN-S3	11/24/15	1500	G	Solid				X		1	
B22-POLEBARN-S4	11/24/15	1330	G	Solid				X		1	ON HOLD
B22-POLEBARN-S5	11/24/15	1400	G	Solid				X		1	ON HOLD
B22-POLEBARN-S6	11/24/15	1420	G	Solid				X		1	ON HOLD

480-91710 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV), Other (specify) CatB + NYSTEQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Laura Best	11/24/15 1755	Stantec		11/24/15 1755	SVR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	11-24-15 1900	SVR		11-25-15 0310	DHL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.7

Page 126 of 157
463325
12/07/2015

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-91710-2

Login Number: 91710

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-92213-1

Job Description: Lockheed Martin Corporation - Volatiles

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Anne Pridgeon
Project Management Assistant I
12/21/2015 2:27 PM

Designee for
Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
12/21/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 6

Sample Summary 16

Executive Summary 17

Method Summary 21

Method / Analyst Summary 22

Sample Datasheets 23

Surrogate Summary 74

QC Data Summary 77

Data Qualifiers 95

QC Association Summary 96

Lab Chronicle 99

Certification Summary 104

Organic Sample Data 105

GC/MS VOA 105

Method 8260C 105

Method 8260C QC Summary 106

Method 8260C Sample Data 151

Standards Data 346

Method 8260C ICAL Data 346

Method 8260C CCAL Data 553

Raw QC Data 617

Method 8260C Tune Data 617

Method 8260C Blank Data 653

Table of Contents

Method 8260C LCS/LCSD Data 707

Method 8260C MS/MSD Data 749

Method 8260C Run Logs 769

Method 8260C Prep Data 781

Inorganic Sample Data 791

General Chemistry Data 791

Gen Chem Cover Page 792

Gen Chem MDL 793

Gen Chem Analysis Run Log 795

Gen Chem Prep Data 797

Shipping and Receiving Documents 799

Client Chain of Custody 800

Sample Receipt Checklist 802

Job Narrative
480-92213-1

Comments
No additional comments.

Receipt
The samples were received on 12/5/2015 1:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method(s) 8260C: The method blank for preparation batch 480-279119 and analytical batch 480-279063 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. B4-AREA2-S1 (480-92213-3)

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B4-AREA2-S1 (480-92213-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279212 recovered above the upper control limit for 1,1,1-Trichloroethane, Trichlorofluoromethane, and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B3-AREA2-S2 (480-92213-2), B4-AREA2-S2 (480-92213-4), B4-AREA2-S3 (480-92213-5), B25-AREA2-S1 (480-92213-6), B25-AREA2-S3 (480-92213-8) and B9-AREA2-S2 (480-92213-14).

Method(s) 8260C: The method blank for preparation batch 480-279229 and analytical batch 480-279212 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. The following samples are impacted: B3-AREA2-S2 (480-92213-2), B4-AREA2-S2 (480-92213-4), B4-AREA2-S3 (480-92213-5), B25-AREA2-S1 (480-92213-6), B25-AREA2-S3 (480-92213-8) and B9-AREA2-S2 (480-92213-14).

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B3-AREA2-S2 (480-92213-2), B4-AREA2-S2 (480-92213-4), B4-AREA2-S3 (480-92213-5), B25-AREA2-S3 (480-92213-8), B9-AREA2-S2 (480-92213-14), B9-AREA2-S2 (480-92213-14[MS]) and B9-AREA2-S2 (480-92213-14[MSD]).

Method(s) 8260C: Internal standard (ISTD) and surrogate responses for the following samples were outside control limits: B3-AREA2-S2 (480-92213-2), B9-AREA2-S2 (480-92213-14) and B9-AREA2-S2 (480-92213-14[MS]). The sample(s) were re-analyzed with concurring results, and the re-analysis set of data has been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279321 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: B26-ARREA2-S1 (480-92213-11), B8-AREA2-S1 (480-92213-12), B9-AREA2-S1 (480-92213-13) and B-AREA2-DUP1 (480-92213-15).

Method(s) 8260C: The method blank for preparation batch 279346 in analytical batch 279321 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. The following samples are impacted: B26-ARREA2-S1 (480-92213-11), B8-AREA2-S1 (480-92213-12), B9-AREA2-S1 (480-92213-13) and B-AREA2-DUP1 (480-92213-15)

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B26-ARREA2-S1 (480-92213-11), B8-AREA2-S1 (480-92213-12), B9-AREA2-S1 (480-92213-13), B-AREA2-DUP1 (480-92213-15), (480-92213-A-15-C MS) and (480-92213-A-15-D MSD).

Method(s) 8260C: The following sample was analyzed at a reduced weight to bring the concentration of target analytes within the calibration range: B9-AREA2-S1 (480-92213-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Internal standard (ISTD) and surrogate response for the following samples were outside control limits: B26-ARREA2-S1 (480-92213-11), B8-AREA2-S1 (480-92213-12), B-AREA2-DUP1 (480-92213-15), (480-92213-A-15-C MS) and (480-92213-A-15-D MSD). The samples were re-analyzed with concurring results, and the re-analyses have been reported.

Method(s) 8260C: Some reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B25-AREA2-S2 (480-92213-7), B6-AREA2-S1 (480-92213-9) and B6-AREA2-S2 (480-92213-10).

Method(s) 8260C: Internal standard (ISTD) and surrogate responses for the following samples were outside control limits: B25-AREA2-S2 (480-92213-7), B6-AREA2-S1 (480-92213-9) and B6-AREA2-S2 (480-92213-10). The samples were re-analyzed with concurring results, and the second set of data have been reported.

Method(s) 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes

within the calibration range: B3-AREA2-S1 (480-92213-1) and B4-AREA2-S1 (480-92213-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B25-AREA2-S1 (480-92213-6).

Method(s) 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: B25-AREA2-S1 (480-92213-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280176 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: B25-AREA2-S1 (480-92213-6).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280176 recovered outside acceptance criteria, low biased, for Vinyl chloride and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: B25-AREA2-S1 (480-92213-6) .

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B25-AREA2-S1 (480-92213-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 279331

Lab Sample ID: IC 480-279331/4 Client Sample ID:

Date Analyzed: 12/11/15 14:15 Lab File ID: C59581.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	7.18	Poor chromatography	goliszekg	12/14/15 07:23
2-Hexanone	11.07	Poor chromatography	goliszekg	12/14/15 07:24

Lab Sample ID: IC 480-279331/5 Client Sample ID:

Date Analyzed: 12/11/15 14:41 Lab File ID: C59582.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	7.59	Poor chromatography	goliszekg	12/14/15 07:25
2-Hexanone	11.07	Poor chromatography	goliszekg	12/14/15 07:24

Lab Sample ID: IC 480-279331/6 Client Sample ID:

Date Analyzed: 12/11/15 15:07 Lab File ID: C59583.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	7.59	Poor chromatography	goliszekg	12/14/15 07:26
Tetrahydrofuran	8.71	Poor chromatography	goliszekg	12/14/15 07:26
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:26
2-Hexanone	11.05	Poor chromatography	goliszekg	12/14/15 07:26

Lab Sample ID: IC 480-279331/7 Client Sample ID:

Date Analyzed: 12/11/15 15:58 Lab File ID: C59584.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrahydrofuran	8.71	Poor chromatography	goliszekg	12/14/15 07:27
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 279331

Lab Sample ID: IC 480-279331/8 Client Sample ID:

Date Analyzed: 12/11/15 16:23 Lab File ID: C59585.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 278176

Lab Sample ID: IC 480-278176/3 Client Sample ID:

Date Analyzed: 12/04/15 12:30 Lab File ID: N5254.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.06	Poor chromatography	HillL	12/04/15 16:02
Acrolein	2.76	Poor chromatography	HillL	12/04/15 16:02
Isobutyl alcohol	5.32	Peak Tail	HillL	12/04/15 16:05
trans-1,4-Dichloro-2-butene	10.07	Poor chromatography	HillL	12/04/15 16:02

Lab Sample ID: IC 480-278176/4 Client Sample ID:

Date Analyzed: 12/04/15 12:57 Lab File ID: N5255.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Butadiene	1.67	Poor chromatography	HillL	12/04/15 16:03
Chloroethane	2.08	Poor chromatography	HillL	12/04/15 16:03
2-Methyl-2-propanol	3.49	Poor chromatography	HillL	12/04/15 16:04
Tetrahydrofuran	4.80	Poor chromatography	HillL	12/04/15 16:04
Isobutyl alcohol	5.33	Peak Tail	HillL	12/04/15 16:06
trans-1,4-Dichloro-2-butene	10.08	Peak Tail	HillL	12/04/15 16:06
4-Chlorotoluene	10.28	Peak Tail	HillL	12/04/15 16:06

Lab Sample ID: IC 480-278176/5 Client Sample ID:

Date Analyzed: 12/04/15 13:24 Lab File ID: N5256.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.32	Peak Tail	HillL	12/04/15 16:07
1,4-Dioxane	6.32	Poor chromatography	HillL	12/04/15 14:53

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 278176

Lab Sample ID: IC 480-278176/6 Client Sample ID:

Date Analyzed: 12/04/15 13:51 Lab File ID: N5257.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.32	Peak Tail	HillL	12/04/15 16:09
1,4-Dioxane	6.31	Missed Peak	HillL	12/04/15 16:09

Lab Sample ID: IC 480-278176/7 Client Sample ID:

Date Analyzed: 12/04/15 14:18 Lab File ID: N5258.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.31	Peak Tail	HillL	12/04/15 16:10
4-Chlorotoluene	10.28	Shouldering	HillL	12/04/15 16:11

Lab Sample ID: ICIS 480-278176/8 Client Sample ID:

Date Analyzed: 12/04/15 14:45 Lab File ID: N5259.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.32	Poor chromatography	HillL	12/04/15 16:00

Lab Sample ID: IC 480-278176/10 Client Sample ID:

Date Analyzed: 12/04/15 15:39 Lab File ID: N5261.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.31	Peak Tail	HillL	12/04/15 16:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 277678

Lab Sample ID: IC 480-277678/3 Client Sample ID:

Date Analyzed: 12/02/15 01:45 Lab File ID: P1877.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	6.77	Split Peak	cwiklinc	12/02/15 09:16

Lab Sample ID: IC 480-277678/4 Client Sample ID:

Date Analyzed: 12/02/15 02:13 Lab File ID: P1878.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloroethyl vinyl ether	11.25	Split Peak	cwiklinc	12/02/15 09:17

Lab Sample ID: ICV 480-277678/21 Client Sample ID:

Date Analyzed: 12/02/15 09:54 Lab File ID: P1895.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	5.68	Split Peak	cwiklinc	12/02/15 10:50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 279212

Lab Sample ID: MB 480-279229/2-A Client Sample ID:

Date Analyzed: 12/11/15 00:55 Lab File ID: P2247.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)	11.65	Split Peak	diasn	12/11/15 01:37

Lab Sample ID: 480-92213-2 Client Sample ID: B3-AREA2-S2

Date Analyzed: 12/11/15 02:22 Lab File ID: P2249.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	6.40	Split Peak	cwiklinc	12/11/15 10:53

Lab Sample ID: 480-92213-8 Client Sample ID: B25-AREA2-S3

Date Analyzed: 12/11/15 05:05 Lab File ID: P2255.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.73	Split Peak	cwiklinc	12/11/15 11:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 279321

Lab Sample ID: MB 480-279346/2-A Client Sample ID:

Date Analyzed: 12/11/15 14:58 Lab File ID: P2271.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)	11.63	Split Peak	cwiklinc	12/12/15 06:39

Lab Sample ID: 480-92213-11 Client Sample ID: B26-ARREA2-S1

Date Analyzed: 12/11/15 17:34 Lab File ID: P2276.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.78	Split Peak	cwiklinc	12/12/15 07:18

Lab Sample ID: 480-92213-12 Client Sample ID: B8-AREA2-S1

Date Analyzed: 12/11/15 18:01 Lab File ID: P2277.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	8.88	Split Peak	cwiklinc	12/12/15 07:18

Lab Sample ID: 480-92213-15 Client Sample ID: B-AREA2-DUP1

Date Analyzed: 12/11/15 18:56 Lab File ID: P2279.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.76	Split Peak	cwiklinc	12/12/15 07:24

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 279446

Lab Sample ID: 480-92213-7 Client Sample ID: B25-AREA2-S2

Date Analyzed: 12/12/15 13:13 Lab File ID: P2300.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.73	Split Peak	cwiklinc	12/14/15 08:46
Trichloroethene	10.35	Split Peak	cwiklinc	12/14/15 08:46

Lab Sample ID: 480-92213-10 Client Sample ID: B6-AREA2-S2

Date Analyzed: 12/12/15 14:08 Lab File ID: P2302.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.76	Split Peak	cwiklinc	12/14/15 08:47
Trichloroethene	10.35	Split Peak	cwiklinc	12/14/15 08:47
Toluene	11.98	Split Peak	cwiklinc	12/14/15 08:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/7 Client Sample ID:

Date Analyzed: 12/07/15 14:38 Lab File ID: S5796.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	2.65	Poor chromatography	HillL	12/07/15 18:41
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:41
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:38

Lab Sample ID: IC 480-278464/8 Client Sample ID:

Date Analyzed: 12/07/15 15:01 Lab File ID: S5797.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:42

Lab Sample ID: ICIS 480-278464/9 Client Sample ID:

Date Analyzed: 12/07/15 15:24 Lab File ID: S5798.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.13	Poor chromatography	o''briens	12/07/15 18:22
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:44
1,4-Dioxane	6.12	Split Peak	HillL	12/07/15 18:44

Lab Sample ID: IC 480-278464/10 Client Sample ID:

Date Analyzed: 12/07/15 15:47 Lab File ID: S5799.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/11 Client Sample ID:

Date Analyzed: 12/07/15 16:09 Lab File ID: S5800.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:46

Lab Sample ID: IC 480-278464/13 Client Sample ID:

Date Analyzed: 12/07/15 16:55 Lab File ID: S5802.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	1.51	Poor chromatography	HillL	12/07/15 18:27
Bromomethane	1.82	Poor chromatography	HillL	12/07/15 18:27
Dichlorofluoromethane	2.13	Poor chromatography	HillL	12/07/15 18:27
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:27
Iodomethane	2.81	Poor chromatography	HillL	12/07/15 18:27
1,4-Dioxane	6.13	Poor chromatography	HillL	12/07/15 18:27

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-92213-1	B3-AREA2-S1	Solid	12/02/2015 1430	12/05/2015 0115
480-92213-2	B3-AREA2-S2	Solid	12/02/2015 1440	12/05/2015 0115
480-92213-3	B4-AREA2-S1	Solid	12/02/2015 0935	12/05/2015 0115
480-92213-4	B4-AREA2-S2	Solid	12/02/2015 0945	12/05/2015 0115
480-92213-5	B4-AREA2-S3	Solid	12/02/2015 1410	12/05/2015 0115
480-92213-6	B25-AREA2-S1	Solid	12/03/2015 1010	12/05/2015 0115
480-92213-7	B25-AREA2-S2	Solid	12/03/2015 1030	12/05/2015 0115
480-92213-8	B25-AREA2-S3	Solid	12/03/2015 1040	12/05/2015 0115
480-92213-9	B6-AREA2-S1	Solid	12/03/2015 1110	12/05/2015 0115
480-92213-10	B6-AREA2-S2	Solid	12/03/2015 1150	12/05/2015 0115
480-92213-11	B26-ARREA2-S1	Solid	12/04/2015 0920	12/05/2015 0115
480-92213-12	B8-AREA2-S1	Solid	12/04/2015 1050	12/05/2015 0115
480-92213-13	B9-AREA2-S1	Solid	12/04/2015 1315	12/05/2015 0115
480-92213-14	B9-AREA2-S2	Solid	12/04/2015 1410	12/05/2015 0115
480-92213-14MS	B9-AREA2-S2	Solid	12/04/2015 1410	12/05/2015 0115
480-92213-14MSD	B9-AREA2-S2	Solid	12/04/2015 1410	12/05/2015 0115
480-92213-15	B-AREA2-DUP1	Solid	12/04/2015 1055	12/05/2015 0115
480-92213-16	SB-RINSEBLANK2	Water	12/03/2015 1500	12/05/2015 0115

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92213-1	**B3-AREA2-S1**					
Ethylbenzene		4300		890	ug/Kg	8260C
Tetrachloroethene		53000		890	ug/Kg	8260C
Toluene		310	J	890	ug/Kg	8260C
Trichloroethene		360	J	890	ug/Kg	8260C
Xylenes, Total		23000		1800	ug/Kg	8260C
Percent Moisture		7.0		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92213-2	**B3-AREA2-S2**					
Acetone		5.5	J B	26	ug/Kg	8260C
cis-1,2-Dichloroethene		3.4	J	5.2	ug/Kg	8260C
Methylene Chloride		3.7	J	5.2	ug/Kg	8260C
Tetrachloroethene		22	*	5.2	ug/Kg	8260C
Toluene		0.66	J *	5.2	ug/Kg	8260C
Trichloroethene		1.9	J	5.2	ug/Kg	8260C
Percent Moisture		7.6		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92213-3	**B4-AREA2-S1**					
1,1-Dichloroethane		10		5.2	ug/Kg	8260C
Acetone		5.6	J B	26	ug/Kg	8260C
Chloroform		0.32	J	5.2	ug/Kg	8260C
cis-1,2-Dichloroethene		2500		890	ug/Kg	8260C
cis-1,2-Dichloroethene		540	E	5.2	ug/Kg	8260C
Ethylbenzene		1.5	J	5.2	ug/Kg	8260C
Tetrachloroethene		13000		890	ug/Kg	8260C
Tetrachloroethene		220	E	5.2	ug/Kg	8260C
Toluene		1400		890	ug/Kg	8260C
Toluene		54		5.2	ug/Kg	8260C
trans-1,2-Dichloroethene		3.0	J	5.2	ug/Kg	8260C
Trichloroethene		33000		890	ug/Kg	8260C
Trichloroethene		990	E	5.2	ug/Kg	8260C
Xylenes, Total		2.0	J	10	ug/Kg	8260C
Percent Moisture		7.9		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92213-4	**B4-AREA2-S2**					
Acetone		10	J B	29	ug/Kg	8260C
cis-1,2-Dichloroethene		1.2	J	5.8	ug/Kg	8260C
Tetrachloroethene		2.6	J	5.8	ug/Kg	8260C
Trichloroethene		1.7	J	5.8	ug/Kg	8260C
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture
480-92213-5	**B4-AREA2-S3**					
Acetone		6.3	J B	27	ug/Kg	8260C
Chloroform		0.69	J	5.4	ug/Kg	8260C
cis-1,2-Dichloroethene		6.9		5.4	ug/Kg	8260C
Methylene Chloride		9.5		5.4	ug/Kg	8260C
Tetrachloroethene		21		5.4	ug/Kg	8260C
Toluene		0.57	J	5.4	ug/Kg	8260C
Trichloroethene		3.5	J	5.4	ug/Kg	8260C
Percent Moisture		8.1		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92213-6	**B25-AREA2-S1**					
1,1-Dichloroethane		13		5.4	ug/Kg	8260C
Acetone		5.5	J B	27	ug/Kg	8260C
Carbon disulfide		11		5.4	ug/Kg	8260C
cis-1,2-Dichloroethene		520		440	ug/Kg	8260C
cis-1,2-Dichloroethene		370	E	5.4	ug/Kg	8260C
Ethylbenzene		1800		440	ug/Kg	8260C
Ethylbenzene		130		5.4	ug/Kg	8260C
Tetrachloroethene		26000		440	ug/Kg	8260C
Tetrachloroethene		1600	E	5.4	ug/Kg	8260C
Toluene		4.5	J	5.4	ug/Kg	8260C
trans-1,2-Dichloroethene		2.7	J	5.4	ug/Kg	8260C
Trichloroethene		2200		440	ug/Kg	8260C
Trichloroethene		410	E	5.4	ug/Kg	8260C
Xylenes, Total		9.3	J	11	ug/Kg	8260C
Percent Moisture		7.3		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92213-7	**B25-AREA2-S2**					
Acetone		24	J	32	ug/Kg	8260C
cis-1,2-Dichloroethene		1.9	J	6.4	ug/Kg	8260C
Methylene Chloride		2.9	J	6.4	ug/Kg	8260C
Tetrachloroethene		5.5	J *	6.4	ug/Kg	8260C
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture
480-92213-8	**B25-AREA2-S3**					
Acetone		14	J B	30	ug/Kg	8260C
cis-1,2-Dichloroethene		2.7	J	6.0	ug/Kg	8260C
Tetrachloroethene		9.1		6.0	ug/Kg	8260C
Trichloroethene		1.4	J	6.0	ug/Kg	8260C
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture
480-92213-9	**B6-AREA2-S1**					
cis-1,2-Dichloroethene		1.5	J	5.3	ug/Kg	8260C
Tetrachloroethene		8.7		5.3	ug/Kg	8260C
Toluene		0.51	J	5.3	ug/Kg	8260C
Percent Moisture		7.7		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92213-10	**B6-AREA2-S2**					
Acetone		24	J	32	ug/Kg	8260C
Methylene Chloride		5.6	J	6.4	ug/Kg	8260C
Tetrachloroethene		9.7	*	6.4	ug/Kg	8260C
Toluene		0.60	J *	6.4	ug/Kg	8260C
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
480-92213-11	**B26-ARREA2-S1**					
Methylene Chloride		3.9	J	5.3	ug/Kg	8260C
Percent Moisture		8.0		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92213-12	**B8-AREA2-S1**					
Acetone		9.7	J B	27	ug/Kg	8260C
Chloroethane		4.4	J	5.5	ug/Kg	8260C
Chloroform		0.42	J	5.5	ug/Kg	8260C
Methylene Chloride		9.1		5.5	ug/Kg	8260C
Percent Moisture		9.1		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-92213-13	**B9-AREA2-S1**					
1,1-Dichloroethane		210		51	ug/Kg	8260C
Chloroform		3.8	J	51	ug/Kg	8260C
cis-1,2-Dichloroethene		1700		51	ug/Kg	8260C
Methylene Chloride		50	J	51	ug/Kg	8260C
Toluene		9.1	J	51	ug/Kg	8260C
trans-1,2-Dichloroethene		5.6	J	51	ug/Kg	8260C
Trichloroethene		22	J	51	ug/Kg	8260C
Vinyl chloride		13	J	51	ug/Kg	8260C
Percent Moisture		6.4		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-92213-14	**B9-AREA2-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		18	F1	6.4	ug/Kg	8260C
1,1-Dichloroethane		24	F1	6.4	ug/Kg	8260C
2-Butanone (MEK)		12	J F1	32	ug/Kg	8260C
Acetone		340	F1 B	32	ug/Kg	8260C
cis-1,2-Dichloroethene		75	F1	6.4	ug/Kg	8260C
Methylene Chloride		41	F1	6.4	ug/Kg	8260C
Tetrachloroethene		7.5	* F1	6.4	ug/Kg	8260C
Trichloroethene		59	F1	6.4	ug/Kg	8260C
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture
480-92213-15	**B-AREA2-DUP1**					
1,1-Dichloroethane		1.3	J F1	5.6	ug/Kg	8260C
Acetone		20	J B F1	28	ug/Kg	8260C
Chloroethane		4.6	J	5.6	ug/Kg	8260C
Chloroform		1.9	J F1	5.6	ug/Kg	8260C
cis-1,2-Dichloroethene		0.72	J F1	5.6	ug/Kg	8260C
Methylene Chloride		31	F1	5.6	ug/Kg	8260C
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035A
Percent Moisture	TAL BUF	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Method	Analyst	Analyst ID
SW846 8260C	Cwiklinski, Charles D	CDC
SW846 8260C	Dias, Nicole M	NMD1
SW846 8260C	Goliszek, Gregory T	GTG
SW846 8260C	Hill, Leah C	LCH
SW846 8260C	O'Brien, Shaun W	SWO
EPA Moisture	Cwiklinski, Charles D	CDC
EPA Moisture	Dias, Nicole M	NMD1

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B3-AREA2-S1**

Lab Sample ID: 480-92213-1 | Date Sampled: 12/02/2015 1430
Client Matrix: Solid | % Moisture: 7.0 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279500	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-279401	Lab File ID:	N5611.D
Dilution:	8.0			Initial Weight/Volume:	5 g
Analysis Date:	12/13/2015 1713			Final Weight/Volume:	10 mL
Prep Date:	12/11/2015 1536				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		250	890
1,1,2,2-Tetrachloroethane		ND		140	890
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		450	890
1,1,2-Trichloroethane		ND		190	890
1,1-Dichloroethane		ND		280	890
1,1-Dichloroethene		ND		310	890
1,2,4-Trichlorobenzene		ND		340	890
1,2-Dibromo-3-Chloropropane		ND		450	890
1,2-Dibromoethane		ND		160	890
1,2-Dichlorobenzene		ND		230	890
1,2-Dichloroethane		ND		360	890
1,2-Dichloropropane		ND		140	890
1,3-Dichlorobenzene		ND		240	890
1,4-Dichlorobenzene		ND		120	890
2-Butanone (MEK)		ND		2600	4500
2-Hexanone		ND		1800	4500
4-Methyl-2-pentanone (MIBK)		ND		280	4500
Acetone		ND		3700	4500
Benzene		ND		170	890
Bromodichloromethane		ND		180	890
Bromoform		ND		450	890
Bromomethane		ND		200	890
Carbon disulfide		ND		410	890
Carbon tetrachloride		ND		230	890
Chlorobenzene		ND		120	890
Chloroethane		ND		190	890
Chloroform		ND		610	890
Chloromethane		ND		210	890
cis-1,2-Dichloroethene		ND		250	890
cis-1,3-Dichloropropene		ND		210	890
Cyclohexane		ND		200	890
Dibromochloromethane		ND		430	890
Dichlorodifluoromethane		ND		390	890
Ethylbenzene		4300		260	890
Isopropylbenzene		ND		130	890
Methyl acetate		ND		420	890
Methyl tert-butyl ether		ND		340	890
Methylcyclohexane		ND		420	890
Methylene Chloride		ND		180	890
Styrene		ND		210	890
Tetrachloroethene		53000		120	890
Toluene		310	J	240	890
trans-1,2-Dichloroethene		ND		210	890
trans-1,3-Dichloropropene		ND		88	890
Trichloroethene		360	J	250	890
Trichlorofluoromethane		ND		420	890

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B3-AREA2-S1**

Lab Sample ID: 480-92213-1 | Date Sampled: 12/02/2015 1430
Client Matrix: Solid | % Moisture: 7.0 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279500	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-279401	Lab File ID:	N5611.D
Dilution:	8.0			Initial Weight/Volume:	5 g
Analysis Date:	12/13/2015 1713			Final Weight/Volume:	10 mL
Prep Date:	12/11/2015 1536				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		300	890
Xylenes, Total		23000		490	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		53 - 146
4-Bromofluorobenzene (Surr)	95		49 - 148
Toluene-d8 (Surr)	92		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B3-AREA2-S2**

Lab Sample ID: 480-92213-2 | Date Sampled: 12/02/2015 1440
Client Matrix: Solid | % Moisture: 7.6 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2249.D
Dilution:	1.0			Initial Weight/Volume:	5.23 g
Analysis Date:	12/11/2015 0222			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND	*	0.84	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND	*	0.67	5.2
1,1-Dichloroethane		ND		0.63	5.2
1,1-Dichloroethene		ND		0.63	5.2
1,2,4-Trichlorobenzene		ND	*	0.31	5.2
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.2
1,2-Dibromoethane		ND	*	0.66	5.2
1,2-Dichlorobenzene		ND	*	0.40	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND	*	0.27	5.2
1,4-Dichlorobenzene		ND	*	0.72	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		5.5	J B	4.4	26
Benzene		ND		0.25	5.2
Bromodichloromethane		ND		0.69	5.2
Bromoform		ND	*	2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.50	5.2
Chlorobenzene		ND	*	0.68	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.31	5.2
cis-1,2-Dichloroethene		3.4	J	0.66	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.72	5.2
Dibromochloromethane		ND	*	0.66	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND	*	0.36	5.2
Isopropylbenzene		ND	*	0.78	5.2
Methyl acetate		ND		3.1	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.79	5.2
Methylene Chloride		3.7	J	2.4	5.2
Styrene		ND	*	0.26	5.2
Tetrachloroethene		22	*	0.69	5.2
Toluene		0.66	J *	0.39	5.2
trans-1,2-Dichloroethene		ND		0.53	5.2
trans-1,3-Dichloropropene		ND	*	2.3	5.2
Trichloroethene		1.9	J	1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B3-AREA2-S2**

Lab Sample ID: 480-92213-2 | Date Sampled: 12/02/2015 1440
Client Matrix: Solid | % Moisture: 7.6 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2249.D
Dilution:	1.0			Initial Weight/Volume:	5.23 g
Analysis Date:	12/11/2015 0222			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.63	5.2
Xylenes, Total		ND		0.87	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		64 - 126
4-Bromofluorobenzene (Surr)	37	* X	72 - 126
Toluene-d8 (Surr)	128	* X	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B4-AREA2-S1**

Lab Sample ID: 480-92213-3 | Date Sampled: 12/02/2015 0935
Client Matrix: Solid | % Moisture: 7.9 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279500	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-279401	Lab File ID:	N5612.D
Dilution:	8.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/13/2015 1739	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/11/2015 1536				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		250	890
1,1,2,2-Tetrachloroethane		ND		150	890
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		450	890
1,1,2-Trichloroethane		ND		190	890
1,1-Dichloroethane		ND		280	890
1,1-Dichloroethene		ND		310	890
1,2,4-Trichlorobenzene		ND		340	890
1,2-Dibromo-3-Chloropropane		ND		450	890
1,2-Dibromoethane		ND		160	890
1,2-Dichlorobenzene		ND		230	890
1,2-Dichloroethane		ND		370	890
1,2-Dichloropropane		ND		140	890
1,3-Dichlorobenzene		ND		240	890
1,4-Dichlorobenzene		ND		130	890
2-Butanone (MEK)		ND		2700	4500
2-Hexanone		ND		1800	4500
4-Methyl-2-pentanone (MIBK)		ND		290	4500
Acetone		ND		3700	4500
Benzene		ND		170	890
Bromodichloromethane		ND		180	890
Bromoform		ND		450	890
Bromomethane		ND		200	890
Carbon disulfide		ND		410	890
Carbon tetrachloride		ND		230	890
Chlorobenzene		ND		120	890
Chloroethane		ND		190	890
Chloroform		ND		610	890
Chloromethane		ND		210	890
cis-1,2-Dichloroethene		2500		250	890
cis-1,3-Dichloropropene		ND		210	890
Cyclohexane		ND		200	890
Dibromochloromethane		ND		430	890
Dichlorodifluoromethane		ND		390	890
Ethylbenzene		ND		260	890
Isopropylbenzene		ND		130	890
Methyl acetate		ND		430	890
Methyl tert-butyl ether		ND		340	890
Methylcyclohexane		ND		420	890
Methylene Chloride		ND		180	890
Styrene		ND		220	890
Tetrachloroethene		13000		120	890
Toluene		1400		240	890
trans-1,2-Dichloroethene		ND		210	890
trans-1,3-Dichloropropene		ND		88	890
Trichloroethene		33000		250	890
Trichlorofluoromethane		ND		420	890

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B4-AREA2-S1**

Lab Sample ID: 480-92213-3 | Date Sampled: 12/02/2015 0935
Client Matrix: Solid | % Moisture: 7.9 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279500	Instrument ID:	HP5973N
Prep Method:	5035A	Prep Batch:	480-279401	Lab File ID:	N5612.D
Dilution:	8.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/13/2015 1739	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/11/2015 1536				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		300	890
Xylenes, Total		ND		500	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		53 - 146
4-Bromofluorobenzene (Surr)	94		49 - 148
Toluene-d8 (Surr)	97		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B4-AREA2-S1**

Lab Sample ID: 480-92213-3 | Date Sampled: 12/02/2015 0935
Client Matrix: Solid | % Moisture: 7.9 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279063	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279119	Lab File ID:	P2235.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	12/10/2015 1859			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1127				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND		0.85	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND		0.68	5.2
1,1-Dichloroethane		10		0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND		0.32	5.2
1,2-Dibromo-3-Chloropropane		ND		2.6	5.2
1,2-Dibromoethane		ND		0.67	5.2
1,2-Dichlorobenzene		ND		0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND		0.27	5.2
1,4-Dichlorobenzene		ND		0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		5.6	J B	4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND		2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.51	5.2
Chlorobenzene		ND		0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		0.32	J	0.32	5.2
Chloromethane		ND		0.32	5.2
cis-1,2-Dichloroethene		540	E	0.67	5.2
cis-1,3-Dichloropropene		ND		0.76	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND		0.67	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		1.5	J	0.36	5.2
Isopropylbenzene		ND		0.79	5.2
Methyl acetate		ND		3.2	5.2
Methyl tert-butyl ether		ND		0.52	5.2
Methylcyclohexane		ND		0.80	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND		0.26	5.2
Tetrachloroethene		220	E	0.70	5.2
Toluene		54		0.40	5.2
trans-1,2-Dichloroethene		3.0	J	0.54	5.2
trans-1,3-Dichloropropene		ND		2.3	5.2
Trichloroethene		990	E	1.2	5.2
Trichlorofluoromethane		ND		0.50	5.2

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B4-AREA2-S1**

Lab Sample ID: 480-92213-3 | Date Sampled: 12/02/2015 0935
Client Matrix: Solid | % Moisture: 7.9 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279063	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279119	Lab File ID:	P2235.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	12/10/2015 1859			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1127				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		2.0	J	0.88	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	96		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B4-AREA2-S2**

Lab Sample ID: 480-92213-4 | Date Sampled: 12/02/2015 0945
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2251.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/11/2015 0316			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.42	5.8
1,1,2,2-Tetrachloroethane		ND		0.93	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.8
1,1,2-Trichloroethane		ND		0.75	5.8
1,1-Dichloroethane		ND		0.70	5.8
1,1-Dichloroethene		ND		0.70	5.8
1,2,4-Trichlorobenzene		ND		0.35	5.8
1,2-Dibromo-3-Chloropropane		ND		2.9	5.8
1,2-Dibromoethane		ND		0.74	5.8
1,2-Dichlorobenzene		ND		0.45	5.8
1,2-Dichloroethane		ND		0.29	5.8
1,2-Dichloropropane		ND		2.9	5.8
1,3-Dichlorobenzene		ND		0.30	5.8
1,4-Dichlorobenzene		ND		0.81	5.8
2-Butanone (MEK)		ND		2.1	29
2-Hexanone		ND		2.9	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		10	J B	4.8	29
Benzene		ND		0.28	5.8
Bromodichloromethane		ND		0.77	5.8
Bromoform		ND		2.9	5.8
Bromomethane		ND		0.52	5.8
Carbon disulfide		ND		2.9	5.8
Carbon tetrachloride		ND		0.56	5.8
Chlorobenzene		ND		0.76	5.8
Chloroethane		ND		1.3	5.8
Chloroform		ND		0.36	5.8
Chloromethane		ND		0.35	5.8
cis-1,2-Dichloroethene		1.2	J	0.74	5.8
cis-1,3-Dichloropropene		ND		0.83	5.8
Cyclohexane		ND		0.81	5.8
Dibromochloromethane		ND		0.74	5.8
Dichlorodifluoromethane		ND		0.48	5.8
Ethylbenzene		ND		0.40	5.8
Isopropylbenzene		ND		0.87	5.8
Methyl acetate		ND		3.5	5.8
Methyl tert-butyl ether		ND		0.56	5.8
Methylcyclohexane		ND		0.87	5.8
Methylene Chloride		ND		2.6	5.8
Styrene		ND		0.29	5.8
Tetrachloroethene		2.6	J	0.77	5.8
Toluene		ND		0.43	5.8
trans-1,2-Dichloroethene		ND		0.59	5.8
trans-1,3-Dichloropropene		ND		2.5	5.8
Trichloroethene		1.7	J	1.3	5.8
Trichlorofluoromethane		ND		0.54	5.8

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Client Sample ID: B4-AREA2-S2

Lab Sample ID: 480-92213-4 Date Sampled: 12/02/2015 0945
Client Matrix: Solid % Moisture: 13.1 Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2251.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/11/2015 0316			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.70	5.8
Xylenes, Total		ND		0.97	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	84		72 - 126
Toluene-d8 (Surr)	112		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B4-AREA2-S3**

Lab Sample ID: 480-92213-5 | Date Sampled: 12/02/2015 1410
Client Matrix: Solid | % Moisture: 8.1 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2252.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/11/2015 0343			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.87	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1-Dichloroethane		ND		0.65	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.75	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		6.3	J B	4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.48	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		0.69	J	0.33	5.4
Chloromethane		ND		0.32	5.4
cis-1,2-Dichloroethene		6.9		0.69	5.4
cis-1,3-Dichloropropene		ND		0.77	5.4
Cyclohexane		ND		0.75	5.4
Dibromochloromethane		ND		0.69	5.4
Dichlorodifluoromethane		ND		0.44	5.4
Ethylbenzene		ND		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		3.2	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.82	5.4
Methylene Chloride		9.5		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		21		0.72	5.4
Toluene		0.57	J	0.41	5.4
trans-1,2-Dichloroethene		ND		0.55	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		3.5	J	1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Client Sample ID: B4-AREA2-S3

Lab Sample ID: 480-92213-5 Date Sampled: 12/02/2015 1410
Client Matrix: Solid % Moisture: 8.1 Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2252.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/11/2015 0343			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.4
Xylenes, Total		ND		0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	78		72 - 126
Toluene-d8 (Surr)	106		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B25-AREA2-S1**

Lab Sample ID: 480-92213-6 | Date Sampled: 12/03/2015 1010
Client Matrix: Solid | % Moisture: 7.3 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6207.D
Dilution:	4.0			Initial Weight/Volume:	5.1 g
Analysis Date:	12/17/2015 0325	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		120	440
1,1,2,2-Tetrachloroethane		ND		71	440
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		220	440
1,1,2-Trichloroethane		ND		92	440
1,1-Dichloroethane		ND		140	440
1,1-Dichloroethene		ND		150	440
1,2,4-Trichlorobenzene		ND		170	440
1,2-Dibromo-3-Chloropropane		ND		220	440
1,2-Dibromoethane		ND		77	440
1,2-Dichlorobenzene		ND		110	440
1,2-Dichloroethane		ND		180	440
1,2-Dichloropropane		ND		71	440
1,3-Dichlorobenzene		ND		120	440
1,4-Dichlorobenzene		ND		61	440
2-Butanone (MEK)		ND		1300	2200
2-Hexanone		ND		900	2200
4-Methyl-2-pentanone (MIBK)		ND		140	2200
Acetone		ND		1800	2200
Benzene		ND		83	440
Bromodichloromethane		ND		88	440
Bromoform		ND		220	440
Bromomethane		ND		97	440
Carbon disulfide		ND		200	440
Carbon tetrachloride		ND		110	440
Chlorobenzene		ND		58	440
Chloroethane		ND		91	440
Chloroform		ND		300	440
Chloromethane		ND		100	440
cis-1,2-Dichloroethene		520		120	440
cis-1,3-Dichloropropene		ND		100	440
Cyclohexane		ND		97	440
Dibromochloromethane		ND		210	440
Dichlorodifluoromethane		ND		190	440
Ethylbenzene		1800		130	440
Isopropylbenzene		ND		66	440
Methyl acetate		ND		210	440
Methyl tert-butyl ether		ND		170	440
Methylcyclohexane		ND		210	440
Methylene Chloride		ND		87	440
Styrene		ND		110	440
Tetrachloroethene		26000		59	440
Toluene		ND		120	440
trans-1,2-Dichloroethene		ND		100	440
trans-1,3-Dichloropropene		ND		43	440
Trichloroethene		2200		120	440
Trichlorofluoromethane		ND		210	440

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B25-AREA2-S1**

Lab Sample ID: 480-92213-6 | Date Sampled: 12/03/2015 1010
Client Matrix: Solid | % Moisture: 7.3 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6207.D
Dilution:	4.0			Initial Weight/Volume:	5.1 g
Analysis Date:	12/17/2015 0325	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		150	440
Xylenes, Total		ND		240	880

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		53 - 146
4-Bromofluorobenzene (Surr)	92		49 - 148
Toluene-d8 (Surr)	95		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B25-AREA2-S1**

Lab Sample ID: 480-92213-6 | Date Sampled: 12/03/2015 1010
Client Matrix: Solid | % Moisture: 7.3 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2253.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Analysis Date:	12/11/2015 0411			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.87	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1-Dichloroethane		13		0.65	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.75	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		5.5	J B	4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.48	5.4
Carbon disulfide		11		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.33	5.4
Chloromethane		ND		0.32	5.4
cis-1,2-Dichloroethene		370	E	0.69	5.4
cis-1,3-Dichloropropene		ND		0.77	5.4
Cyclohexane		ND		0.75	5.4
Dibromochloromethane		ND		0.69	5.4
Dichlorodifluoromethane		ND		0.44	5.4
Ethylbenzene		130		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		3.2	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.81	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		1600	E	0.72	5.4
Toluene		4.5	J	0.40	5.4
trans-1,2-Dichloroethene		2.7	J	0.55	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		410	E	1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client Sample ID: **B25-AREA2-S1**

Lab Sample ID: 480-92213-6 Date Sampled: 12/03/2015 1010
Client Matrix: Solid % Moisture: 7.3 Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2253.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Analysis Date:	12/11/2015 0411			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.4
Xylenes, Total		9.3	J	0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene (Surr)	84		72 - 126
Toluene-d8 (Surr)	101		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B25-AREA2-S2**

Lab Sample ID: 480-92213-7 | Date Sampled: 12/03/2015 1030
Client Matrix: Solid | % Moisture: 22.0 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279448	Lab File ID:	P2300.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/12/2015 1313			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.47	6.4
1,1,2,2-Tetrachloroethane		ND	*	1.0	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	6.4
1,1,2-Trichloroethane		ND	*	0.83	6.4
1,1-Dichloroethane		ND		0.78	6.4
1,1-Dichloroethene		ND		0.78	6.4
1,2,4-Trichlorobenzene		ND	*	0.39	6.4
1,2-Dibromo-3-Chloropropane		ND	*	3.2	6.4
1,2-Dibromoethane		ND	*	0.82	6.4
1,2-Dichlorobenzene		ND	*	0.50	6.4
1,2-Dichloroethane		ND		0.32	6.4
1,2-Dichloropropane		ND		3.2	6.4
1,3-Dichlorobenzene		ND	*	0.33	6.4
1,4-Dichlorobenzene		ND	*	0.90	6.4
2-Butanone (MEK)		ND		2.3	32
2-Hexanone		ND	*	3.2	32
4-Methyl-2-pentanone (MIBK)		ND	*	2.1	32
Acetone		24	J	5.4	32
Benzene		ND		0.31	6.4
Bromodichloromethane		ND		0.86	6.4
Bromoform		ND	*	3.2	6.4
Bromomethane		ND		0.58	6.4
Carbon disulfide		ND		3.2	6.4
Carbon tetrachloride		ND		0.62	6.4
Chlorobenzene		ND	*	0.85	6.4
Chloroethane		ND		1.4	6.4
Chloroform		ND		0.40	6.4
Chloromethane		ND		0.39	6.4
cis-1,2-Dichloroethene		1.9	J	0.82	6.4
cis-1,3-Dichloropropene		ND		0.92	6.4
Cyclohexane		ND		0.90	6.4
Dibromochloromethane		ND	*	0.82	6.4
Dichlorodifluoromethane		ND		0.53	6.4
Ethylbenzene		ND	*	0.44	6.4
Isopropylbenzene		ND	*	0.97	6.4
Methyl acetate		ND		3.9	6.4
Methyl tert-butyl ether		ND		0.63	6.4
Methylcyclohexane		ND		0.97	6.4
Methylene Chloride		2.9	J	2.9	6.4
Styrene		ND	*	0.32	6.4
Tetrachloroethene		5.5	J *	0.86	6.4
Toluene		ND	*	0.48	6.4
trans-1,2-Dichloroethene		ND		0.66	6.4
trans-1,3-Dichloropropene		ND	*	2.8	6.4
Trichloroethene		ND		1.4	6.4
Trichlorofluoromethane		ND		0.61	6.4

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B25-AREA2-S2**

Lab Sample ID: 480-92213-7 | Date Sampled: 12/03/2015 1030
Client Matrix: Solid | % Moisture: 22.0 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279448	Lab File ID:	P2300.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/12/2015 1313			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.78	6.4
Xylenes, Total		ND		1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	56	* X	72 - 126
Toluene-d8 (Surr)	129	* X	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B25-AREA2-S3**

Lab Sample ID: 480-92213-8 | Date Sampled: 12/03/2015 1040
Client Matrix: Solid | % Moisture: 16.9 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2255.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/11/2015 0505			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.44	6.0
1,1,2,2-Tetrachloroethane		ND		0.97	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	6.0
1,1,2-Trichloroethane		ND		0.78	6.0
1,1-Dichloroethane		ND		0.73	6.0
1,1-Dichloroethene		ND		0.74	6.0
1,2,4-Trichlorobenzene		ND		0.37	6.0
1,2-Dibromo-3-Chloropropane		ND		3.0	6.0
1,2-Dibromoethane		ND		0.77	6.0
1,2-Dichlorobenzene		ND		0.47	6.0
1,2-Dichloroethane		ND		0.30	6.0
1,2-Dichloropropane		ND		3.0	6.0
1,3-Dichlorobenzene		ND		0.31	6.0
1,4-Dichlorobenzene		ND		0.84	6.0
2-Butanone (MEK)		ND		2.2	30
2-Hexanone		ND		3.0	30
4-Methyl-2-pentanone (MIBK)		ND		2.0	30
Acetone		14	J B	5.1	30
Benzene		ND		0.29	6.0
Bromodichloromethane		ND		0.80	6.0
Bromoform		ND		3.0	6.0
Bromomethane		ND		0.54	6.0
Carbon disulfide		ND		3.0	6.0
Carbon tetrachloride		ND		0.58	6.0
Chlorobenzene		ND		0.79	6.0
Chloroethane		ND		1.4	6.0
Chloroform		ND		0.37	6.0
Chloromethane		ND		0.36	6.0
cis-1,2-Dichloroethene		2.7	J	0.77	6.0
cis-1,3-Dichloropropene		ND		0.86	6.0
Cyclohexane		ND		0.84	6.0
Dibromochloromethane		ND		0.77	6.0
Dichlorodifluoromethane		ND		0.50	6.0
Ethylbenzene		ND		0.41	6.0
Isopropylbenzene		ND		0.91	6.0
Methyl acetate		ND		3.6	6.0
Methyl tert-butyl ether		ND		0.59	6.0
Methylcyclohexane		ND		0.91	6.0
Methylene Chloride		ND		2.8	6.0
Styrene		ND		0.30	6.0
Tetrachloroethene		9.1		0.81	6.0
Toluene		ND		0.45	6.0
trans-1,2-Dichloroethene		ND		0.62	6.0
trans-1,3-Dichloropropene		ND		2.6	6.0
Trichloroethene		1.4	J	1.3	6.0
Trichlorofluoromethane		ND		0.57	6.0

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B25-AREA2-S3**

Lab Sample ID: 480-92213-8 | Date Sampled: 12/03/2015 1040
Client Matrix: Solid | % Moisture: 16.9 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2255.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/11/2015 0505			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.73	6.0
Xylenes, Total		ND		1.0	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	79		72 - 126
Toluene-d8 (Surr)	111		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B6-AREA2-S1**

Lab Sample ID: 480-92213-9 | Date Sampled: 12/03/2015 1110
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279448	Lab File ID:	P2301.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	12/12/2015 1341			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.3
1,1,2,2-Tetrachloroethane		ND	*	0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		ND		0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND	*	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND	*	0.41	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.6	5.3
1,3-Dichlorobenzene		ND	*	0.27	5.3
1,4-Dichlorobenzene		ND	*	0.74	5.3
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.5	26
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.6	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.6	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		1.5	J	0.68	5.3
cis-1,3-Dichloropropene		ND		0.76	5.3
Cyclohexane		ND		0.74	5.3
Dibromochloromethane		ND		0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.37	5.3
Isopropylbenzene		ND	*	0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.4	5.3
Styrene		ND		0.26	5.3
Tetrachloroethene		8.7		0.71	5.3
Toluene		0.51	J	0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		ND		1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B6-AREA2-S1**

Lab Sample ID: 480-92213-9 | Date Sampled: 12/03/2015 1110
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279448	Lab File ID:	P2301.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	12/12/2015 1341			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		64 - 126
4-Bromofluorobenzene (Surr)	50	X	72 - 126
Toluene-d8 (Surr)	125		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B6-AREA2-S2**

Lab Sample ID: 480-92213-10 | Date Sampled: 12/03/2015 1150
Client Matrix: Solid | % Moisture: 22.6 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279448	Lab File ID:	P2302.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/12/2015 1408			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.47	6.4
1,1,2,2-Tetrachloroethane		ND	*	1.0	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	6.4
1,1,2-Trichloroethane		ND	*	0.84	6.4
1,1-Dichloroethane		ND		0.79	6.4
1,1-Dichloroethene		ND		0.79	6.4
1,2,4-Trichlorobenzene		ND	*	0.39	6.4
1,2-Dibromo-3-Chloropropane		ND	*	3.2	6.4
1,2-Dibromoethane		ND	*	0.83	6.4
1,2-Dichlorobenzene		ND	*	0.50	6.4
1,2-Dichloroethane		ND		0.32	6.4
1,2-Dichloropropane		ND		3.2	6.4
1,3-Dichlorobenzene		ND	*	0.33	6.4
1,4-Dichlorobenzene		ND	*	0.90	6.4
2-Butanone (MEK)		ND		2.4	32
2-Hexanone		ND	*	3.2	32
4-Methyl-2-pentanone (MIBK)		ND	*	2.1	32
Acetone		24	J	5.4	32
Benzene		ND		0.32	6.4
Bromodichloromethane		ND		0.86	6.4
Bromoform		ND	*	3.2	6.4
Bromomethane		ND		0.58	6.4
Carbon disulfide		ND		3.2	6.4
Carbon tetrachloride		ND		0.62	6.4
Chlorobenzene		ND	*	0.85	6.4
Chloroethane		ND		1.5	6.4
Chloroform		ND		0.40	6.4
Chloromethane		ND		0.39	6.4
cis-1,2-Dichloroethene		ND		0.83	6.4
cis-1,3-Dichloropropene		ND		0.93	6.4
Cyclohexane		ND		0.90	6.4
Dibromochloromethane		ND	*	0.83	6.4
Dichlorodifluoromethane		ND		0.53	6.4
Ethylbenzene		ND	*	0.44	6.4
Isopropylbenzene		ND	*	0.97	6.4
Methyl acetate		ND		3.9	6.4
Methyl tert-butyl ether		ND		0.63	6.4
Methylcyclohexane		ND		0.98	6.4
Methylene Chloride		5.6	J	3.0	6.4
Styrene		ND	*	0.32	6.4
Tetrachloroethene		9.7	*	0.87	6.4
Toluene		0.60	J *	0.49	6.4
trans-1,2-Dichloroethene		ND		0.67	6.4
trans-1,3-Dichloropropene		ND	*	2.8	6.4
Trichloroethene		ND		1.4	6.4
Trichlorofluoromethane		ND		0.61	6.4

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B6-AREA2-S2**

Lab Sample ID: 480-92213-10 | Date Sampled: 12/03/2015 1150
Client Matrix: Solid | % Moisture: 22.6 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279448	Lab File ID:	P2302.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/12/2015 1408			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.79	6.4
Xylenes, Total		ND		1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		64 - 126
4-Bromofluorobenzene (Surr)	47	* X	72 - 126
Toluene-d8 (Surr)	138	* X	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B26-ARREA2-S1**

Lab Sample ID: 480-92213-11 | Date Sampled: 12/04/2015 0920
Client Matrix: Solid | % Moisture: 8.0 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2276.D
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Analysis Date:	12/11/2015 1734			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.3
1,1,2,2-Tetrachloroethane		ND	*	0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		ND		0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND	*	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	*	2.7	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND	*	0.42	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.7	5.3
1,3-Dichlorobenzene		ND	*	0.27	5.3
1,4-Dichlorobenzene		ND	*	0.74	5.3
2-Butanone (MEK)		ND		1.9	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.7	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.7	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.7	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		ND		0.68	5.3
cis-1,3-Dichloropropene		ND		0.76	5.3
Cyclohexane		ND		0.74	5.3
Dibromochloromethane		ND		0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.37	5.3
Isopropylbenzene		ND	*	0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		3.9	J	2.4	5.3
Styrene		ND		0.27	5.3
Tetrachloroethene		ND		0.71	5.3
Toluene		ND		0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		ND		1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Client Sample ID: B26-ARREA2-S1

Lab Sample ID: 480-92213-11 Date Sampled: 12/04/2015 0920
Client Matrix: Solid % Moisture: 8.0 Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2276.D
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Analysis Date:	12/11/2015 1734			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	68	X	72 - 126
Toluene-d8 (Surr)	123		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B8-AREA2-S1**

Lab Sample ID: 480-92213-12 | Date Sampled: 12/04/2015 1050
Client Matrix: Solid | % Moisture: 9.1 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2277.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/11/2015 1801			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND	*	0.89	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.5
1,1,2-Trichloroethane		ND	*	0.71	5.5
1,1-Dichloroethane		ND		0.67	5.5
1,1-Dichloroethene		ND		0.67	5.5
1,2,4-Trichlorobenzene		ND	*	0.33	5.5
1,2-Dibromo-3-Chloropropane		ND	*	2.7	5.5
1,2-Dibromoethane		ND	*	0.70	5.5
1,2-Dichlorobenzene		ND	*	0.43	5.5
1,2-Dichloroethane		ND		0.27	5.5
1,2-Dichloropropane		ND		2.7	5.5
1,3-Dichlorobenzene		ND	*	0.28	5.5
1,4-Dichlorobenzene		ND	*	0.77	5.5
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND	*	2.7	27
4-Methyl-2-pentanone (MIBK)		ND	*	1.8	27
Acetone		9.7	J B	4.6	27
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.73	5.5
Bromoform		ND	*	2.7	5.5
Bromomethane		ND		0.49	5.5
Carbon disulfide		ND		2.7	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND	*	0.72	5.5
Chloroethane		4.4	J	1.2	5.5
Chloroform		0.42	J	0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		ND		0.70	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.77	5.5
Dibromochloromethane		ND	*	0.70	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		ND	*	0.38	5.5
Isopropylbenzene		ND	*	0.82	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.83	5.5
Methylene Chloride		9.1		2.5	5.5
Styrene		ND	*	0.27	5.5
Tetrachloroethene		ND	*	0.73	5.5
Toluene		ND	*	0.41	5.5
trans-1,2-Dichloroethene		ND		0.56	5.5
trans-1,3-Dichloropropene		ND	*	2.4	5.5
Trichloroethene		ND		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B8-AREA2-S1**

Lab Sample ID: 480-92213-12 | Date Sampled: 12/04/2015 1050
Client Matrix: Solid | % Moisture: 9.1 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2277.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/11/2015 1801			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		ND		0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		64 - 126
4-Bromofluorobenzene (Surr)	51	X *	72 - 126
Toluene-d8 (Surr)	130	X *	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B9-AREA2-S1**

Lab Sample ID: 480-92213-13 | Date Sampled: 12/04/2015 1315
Client Matrix: Solid | % Moisture: 6.4 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2278.D
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	12/11/2015 1828			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		3.7	51
1,1,2,2-Tetrachloroethane		ND		8.3	51
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12	51
1,1,2-Trichloroethane		ND		6.7	51
1,1-Dichloroethane		210		6.3	51
1,1-Dichloroethene		ND		6.3	51
1,2,4-Trichlorobenzene		ND		3.1	51
1,2-Dibromo-3-Chloropropane		ND		26	51
1,2-Dibromoethane		ND		6.6	51
1,2-Dichlorobenzene		ND		4.0	51
1,2-Dichloroethane		ND		2.6	51
1,2-Dichloropropane		ND		26	51
1,3-Dichlorobenzene		ND		2.6	51
1,4-Dichlorobenzene		ND		7.2	51
2-Butanone (MEK)		ND		19	260
2-Hexanone		ND		26	260
4-Methyl-2-pentanone (MIBK)		ND		17	260
Acetone		ND		43	260
Benzene		ND		2.5	51
Bromodichloromethane		ND		6.9	51
Bromoform		ND		26	51
Bromomethane		ND		4.6	51
Carbon disulfide		ND		26	51
Carbon tetrachloride		ND		5.0	51
Chlorobenzene		ND		6.8	51
Chloroethane		ND		12	51
Chloroform		3.8	J	3.2	51
Chloromethane		ND		3.1	51
cis-1,2-Dichloroethene		1700		6.6	51
cis-1,3-Dichloropropene		ND		7.4	51
Cyclohexane		ND		7.2	51
Dibromochloromethane		ND		6.6	51
Dichlorodifluoromethane		ND		4.2	51
Ethylbenzene		ND		3.5	51
Isopropylbenzene		ND		7.7	51
Methyl acetate		ND		31	51
Methyl tert-butyl ether		ND		5.0	51
Methylcyclohexane		ND		7.8	51
Methylene Chloride		50	J	24	51
Styrene		ND		2.6	51
Tetrachloroethene		ND		6.9	51
Toluene		9.1	J	3.9	51
trans-1,2-Dichloroethene		5.6	J	5.3	51
trans-1,3-Dichloropropene		ND		23	51
Trichloroethene		22	J	11	51
Trichlorofluoromethane		ND		4.9	51

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B9-AREA2-S1**

Lab Sample ID: 480-92213-13 | Date Sampled: 12/04/2015 1315
Client Matrix: Solid | % Moisture: 6.4 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2278.D
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	12/11/2015 1828			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		13	J	6.3	51
Xylenes, Total		ND		8.6	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	89		72 - 126
Toluene-d8 (Surr)	105		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B9-AREA2-S2**

Lab Sample ID: 480-92213-14 | Date Sampled: 12/04/2015 1410
Client Matrix: Solid | % Moisture: 22.3 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2261.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/11/2015 0749			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND	F1	0.47	6.4
1,1,2,2-Tetrachloroethane		ND	* F1 F2	1.0	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane		18	F1	1.5	6.4
1,1,2-Trichloroethane		ND	* F1	0.84	6.4
1,1-Dichloroethane		24	F1	0.78	6.4
1,1-Dichloroethene		ND		0.79	6.4
1,2,4-Trichlorobenzene		ND	* F1	0.39	6.4
1,2-Dibromo-3-Chloropropane		ND	* F1	3.2	6.4
1,2-Dibromoethane		ND	* F1	0.83	6.4
1,2-Dichlorobenzene		ND	* F1	0.50	6.4
1,2-Dichloroethane		ND	F1	0.32	6.4
1,2-Dichloropropane		ND	F1	3.2	6.4
1,3-Dichlorobenzene		ND	* F1	0.33	6.4
1,4-Dichlorobenzene		ND	* F1	0.90	6.4
2-Butanone (MEK)		12	J F1	2.4	32
2-Hexanone		ND	* F1	3.2	32
4-Methyl-2-pentanone (MIBK)		ND	* F1	2.1	32
Acetone		340	F1 B	5.4	32
Benzene		ND	F1	0.32	6.4
Bromodichloromethane		ND	F1	0.86	6.4
Bromoform		ND	* F1	3.2	6.4
Bromomethane		ND		0.58	6.4
Carbon disulfide		ND	F1	3.2	6.4
Carbon tetrachloride		ND	F1	0.62	6.4
Chlorobenzene		ND	* F1	0.85	6.4
Chloroethane		ND		1.5	6.4
Chloroform		ND	F1	0.40	6.4
Chloromethane		ND		0.39	6.4
cis-1,2-Dichloroethene		75	F1	0.82	6.4
cis-1,3-Dichloropropene		ND	F1	0.93	6.4
Cyclohexane		ND	F1	0.90	6.4
Dibromochloromethane		ND	* F1	0.82	6.4
Dichlorodifluoromethane		ND		0.53	6.4
Ethylbenzene		ND	* F1	0.44	6.4
Isopropylbenzene		ND	* F1 F2	0.97	6.4
Methyl acetate		ND		3.9	6.4
Methyl tert-butyl ether		ND		0.63	6.4
Methylcyclohexane		ND	F1	0.98	6.4
Methylene Chloride		41	F1	3.0	6.4
Styrene		ND	* F1	0.32	6.4
Tetrachloroethene		7.5	* F1	0.86	6.4
Toluene		ND	* F1	0.49	6.4
trans-1,2-Dichloroethene		ND	F1	0.66	6.4
trans-1,3-Dichloropropene		ND	* F1	2.8	6.4
Trichloroethene		59	F1	1.4	6.4
Trichlorofluoromethane		ND		0.61	6.4

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B9-AREA2-S2**

Lab Sample ID: 480-92213-14 | Date Sampled: 12/04/2015 1410
Client Matrix: Solid | % Moisture: 22.3 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279229	Lab File ID:	P2261.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/11/2015 0749			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.78	6.4
Xylenes, Total		ND	F1	1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		64 - 126
4-Bromofluorobenzene (Surr)	68	* X	72 - 126
Toluene-d8 (Surr)	131	* X	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B-AREA2-DUP1**

Lab Sample ID: 480-92213-15 | Date Sampled: 12/04/2015 1055
Client Matrix: Solid | % Moisture: 10.7 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2279.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/11/2015 1856			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND	F1	0.41	5.6
1,1,2,2-Tetrachloroethane		ND	* F1	0.90	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.6
1,1,2-Trichloroethane		ND	* F1	0.73	5.6
1,1-Dichloroethane		1.3	J F1	0.68	5.6
1,1-Dichloroethene		ND		0.68	5.6
1,2,4-Trichlorobenzene		ND	* F1 F2	0.34	5.6
1,2-Dibromo-3-Chloropropane		ND	* F1	2.8	5.6
1,2-Dibromoethane		ND	* F1	0.72	5.6
1,2-Dichlorobenzene		ND	* F1 F2	0.44	5.6
1,2-Dichloroethane		ND	F1	0.28	5.6
1,2-Dichloropropane		ND	F1	2.8	5.6
1,3-Dichlorobenzene		ND	* F1 F2	0.29	5.6
1,4-Dichlorobenzene		ND	* F1 F2	0.78	5.6
2-Butanone (MEK)		ND	F1	2.0	28
2-Hexanone		ND	* F1	2.8	28
4-Methyl-2-pentanone (MIBK)		ND	* F1	1.8	28
Acetone		20	J B F1	4.7	28
Benzene		ND	F1	0.27	5.6
Bromodichloromethane		ND	F1	0.75	5.6
Bromoform		ND	* F1	2.8	5.6
Bromomethane		ND		0.50	5.6
Carbon disulfide		ND	F1	2.8	5.6
Carbon tetrachloride		ND	F1	0.54	5.6
Chlorobenzene		ND	* F1	0.74	5.6
Chloroethane		4.6	J	1.3	5.6
Chloroform		1.9	J F1	0.34	5.6
Chloromethane		ND		0.34	5.6
cis-1,2-Dichloroethene		0.72	J F1	0.71	5.6
cis-1,3-Dichloropropene		ND	F1	0.80	5.6
Cyclohexane		ND	F1	0.78	5.6
Dibromochloromethane		ND	* F1	0.71	5.6
Dichlorodifluoromethane		ND		0.46	5.6
Ethylbenzene		ND	* F1	0.38	5.6
Isopropylbenzene		ND	* F1 F2	0.84	5.6
Methyl acetate		ND		3.4	5.6
Methyl tert-butyl ether		ND		0.55	5.6
Methylcyclohexane		ND	F1	0.85	5.6
Methylene Chloride		31	F1	2.6	5.6
Styrene		ND	* F1	0.28	5.6
Tetrachloroethene		ND	* F1	0.75	5.6
Toluene		ND	* F1	0.42	5.6
trans-1,2-Dichloroethene		ND	F1	0.58	5.6
trans-1,3-Dichloropropene		ND	* F1	2.5	5.6
Trichloroethene		ND	F1	1.2	5.6
Trichlorofluoromethane		ND		0.53	5.6

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **B-AREA2-DUP1**

Lab Sample ID: 480-92213-15 | Date Sampled: 12/04/2015 1055
Client Matrix: Solid | % Moisture: 10.7 | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279346	Lab File ID:	P2279.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/11/2015 1856			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.68	5.6
Xylenes, Total		ND	F1	0.94	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		64 - 126
4-Bromofluorobenzene (Surr)	39	X *	72 - 126
Toluene-d8 (Surr)	138	X *	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **SB-RINSEBLANK2**

Lab Sample ID: 480-92213-16 | Date Sampled: 12/03/2015 1500
Client Matrix: Water | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280006	Instrument ID:	HP5973C
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	C59702.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/16/2015 1459			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 1459				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Stantec Consulting Services Inc | Job Number: 480-92213-1

Client Sample ID: **SB-RINSEBLANK2**

Lab Sample ID: 480-92213-16 | Date Sampled: 12/03/2015 1500
Client Matrix: Water | Date Received: 12/05/2015 0115

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280006	Instrument ID:	HP5973C
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	C59702.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/16/2015 1459			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 1459				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	98		71 - 126

General Chemistry

Client Sample ID: **B3-AREA2-S1**

Lab Sample ID: 480-92213-1 Date Sampled: 12/02/2015 1430
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N

General Chemistry

Client Sample ID: **B3-AREA2-S2**

Lab Sample ID: 480-92213-2 Date Sampled: 12/02/2015 1440
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N

General Chemistry

Client Sample ID: **B4-AREA2-S1**

Lab Sample ID: 480-92213-3 Date Sampled: 12/02/2015 0935
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N

General Chemistry

Client Sample ID: **B4-AREA2-S2**

Lab Sample ID: 480-92213-4 Date Sampled: 12/02/2015 0945
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N

General Chemistry

Client Sample ID: **B4-AREA2-S3**

Lab Sample ID: 480-92213-5 Date Sampled: 12/02/2015 1410
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N

General Chemistry

Client Sample ID: **B25-AREA2-S1**

Lab Sample ID: 480-92213-6 Date Sampled: 12/03/2015 1010
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: B25-AREA2-S2

Lab Sample ID: 480-92213-7 Date Sampled: 12/03/2015 1030
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: **B25-AREA2-S3**

Lab Sample ID: 480-92213-8 Date Sampled: 12/03/2015 1040
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: **B6-AREA2-S1**

Lab Sample ID: 480-92213-9 Date Sampled: 12/03/2015 1110
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: **B6-AREA2-S2**

Lab Sample ID: 480-92213-10 Date Sampled: 12/03/2015 1150
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: **B26-ARREA2-S1**

Lab Sample ID: 480-92213-11 Date Sampled: 12/04/2015 0920
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: **B8-AREA2-S1**

Lab Sample ID: 480-92213-12 Date Sampled: 12/04/2015 1050
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: **B9-AREA2-S1**

Lab Sample ID: 480-92213-13 Date Sampled: 12/04/2015 1315
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

General Chemistry

Client Sample ID: **B9-AREA2-S2**

Lab Sample ID: 480-92213-14 Date Sampled: 12/04/2015 1410
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279162	Analysis Date: 12/10/2015 1425						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-AREA2-DUP1**

Lab Sample ID: 480-92213-15 Date Sampled: 12/04/2015 1055
Client Matrix: Solid Date Received: 12/05/2015 0115

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279241	Analysis Date: 12/11/2015 0414						DryWt Corrected: N

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92213-2	B3-AREA2-S2	121	128* X	37* X
480-92213-3	B4-AREA2-S1	106	104	96
480-92213-4	B4-AREA2-S2	107	112	84
480-92213-5	B4-AREA2-S3	109	106	78
480-92213-6	B25-AREA2-S1	108	101	84
480-92213-7	B25-AREA2-S2	110	129* X	56* X
480-92213-8	B25-AREA2-S3	105	111	79
480-92213-9	B6-AREA2-S1	111	125	50X
480-92213-10	B6-AREA2-S2	111	138* X	47* X
480-92213-11	B26-ARREA2-S1	104	123	68X
480-92213-12	B8-AREA2-S1	113	130X *	51X *
480-92213-13	B9-AREA2-S1	106	105	89
480-92213-14	B9-AREA2-S2	113	131* X	68* X
480-92213-15	B-AREA2-DUP1	120	138X *	39X *
MB 480-279119/2-A		102	100	100
MB 480-279229/2-A		106	104	101
MB 480-279346/2-A		112	109	105
MB 480-279448/2-A		103	103	99
LCS 480-279119/1-A		102	101	99
LCS 480-279229/1-A		103	103	100
LCS 480-279346/1-A		103	101	98
LCS 480-279448/1-A		102	104	99
480-92213-14 MS	B9-AREA2-S2 MS	97	121	70X
480-92213-15 MS	B-AREA2-DUP1 MS	92	127X	64X
480-92213-14 MSD	B9-AREA2-S2 MSD	96	110	86
480-92213-15 MSD	B-AREA2-DUP1 MSD	93	130X	59X

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92213-1	B3-AREA2-S1	94	92	95
480-92213-3 DL	B4-AREA2-S1 DL	97	97	94
480-92213-6 DL	B25-AREA2-S1 DL	93	95	92
MB 480-279401/2-A		97	95	94
MB 480-280169/2-A		88	94	92
LCS 480-279401/1-A		95	96	97
LCS 480-280169/1-A		94	97	95

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92213-16	SB-RINSEBLANK2	104	98	97
MB 480-280006/6		103	98	98
LCS 480-280006/4		103	98	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Method Blank - Batch: 480-279119

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279119/2-A	Analysis Batch:	480-279063	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279119	Lab File ID:	P2223.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/10/2015 1314	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1127				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	7.85	J	4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dibromochloromethane	ND		0.64	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Method Blank - Batch: 480-279119

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279119/2-A	Analysis Batch:	480-279063	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279119	Lab File ID:	P2223.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/10/2015 1314	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1127				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	64 - 126
4-Bromofluorobenzene (Surr)	100	72 - 126
Toluene-d8 (Surr)	100	71 - 125

Lab Control Sample - Batch: 480-279119

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279119/1-A	Analysis Batch:	480-279063	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279119	Lab File ID:	P2221.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.06 g
Analysis Date:	12/10/2015 1220	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1127				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.4	46.2	93	73 - 126	
1,1-Dichloroethene	49.4	45.1	91	59 - 125	
1,2-Dichlorobenzene	49.4	47.3	96	75 - 120	
1,2-Dichloroethane	49.4	43.9	89	77 - 122	
Benzene	49.4	47.4	96	79 - 127	
Chlorobenzene	49.4	47.2	95	76 - 124	
cis-1,2-Dichloroethene	49.4	46.1	93	81 - 117	
Ethylbenzene	49.4	48.6	98	80 - 120	
Methyl tert-butyl ether	49.4	46.1	93	63 - 125	
Tetrachloroethene	49.4	48.9	99	74 - 122	
Toluene	49.4	44.7	90	74 - 128	
trans-1,2-Dichloroethene	49.4	46.0	93	78 - 126	
Trichloroethene	49.4	47.0	95	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	64 - 126
4-Bromofluorobenzene (Surr)	99	72 - 126
Toluene-d8 (Surr)	101	71 - 125

Method Blank - Batch: 480-279229

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279229/2-A	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279229	Lab File ID:	P2247.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.13 g
Analysis Date:	12/11/2015 0055	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.35	4.9
1,1,2,2-Tetrachloroethane	ND		0.79	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.9
1,1,2-Trichloroethane	ND		0.63	4.9
1,1-Dichloroethane	ND		0.59	4.9
1,1-Dichloroethene	ND		0.60	4.9
1,2,4-Trichlorobenzene	ND		0.30	4.9
1,2-Dibromo-3-Chloropropane	ND		2.4	4.9
1,2-Dibromoethane	ND		0.63	4.9
1,2-Dichlorobenzene	ND		0.38	4.9
1,2-Dichloroethane	ND		0.24	4.9
1,2-Dichloropropane	ND		2.4	4.9
1,3-Dichlorobenzene	ND		0.25	4.9
1,4-Dichlorobenzene	ND		0.68	4.9
2-Butanone (MEK)	ND		1.8	24
2-Hexanone	ND		2.4	24
4-Methyl-2-pentanone (MIBK)	ND		1.6	24
Acetone	7.11	J	4.1	24
Benzene	ND		0.24	4.9
Bromodichloromethane	ND		0.65	4.9
Bromoform	ND		2.4	4.9
Bromomethane	ND		0.44	4.9
Carbon disulfide	ND		2.4	4.9
Carbon tetrachloride	ND		0.47	4.9
Chlorobenzene	ND		0.64	4.9
Chloroethane	ND		1.1	4.9
Chloroform	ND		0.30	4.9
Chloromethane	ND		0.29	4.9
cis-1,2-Dichloroethene	ND		0.62	4.9
cis-1,3-Dichloropropene	ND		0.70	4.9
Cyclohexane	ND		0.68	4.9
Dibromochloromethane	ND		0.62	4.9
Dichlorodifluoromethane	ND		0.40	4.9
Ethylbenzene	ND		0.34	4.9
Isopropylbenzene	ND		0.73	4.9
Methyl acetate	ND		2.9	4.9
Methyl tert-butyl ether	ND		0.48	4.9
Methylcyclohexane	ND		0.74	4.9
Methylene Chloride	ND		2.2	4.9
Styrene	ND		0.24	4.9
Tetrachloroethene	ND		0.65	4.9
Toluene	ND		0.37	4.9
trans-1,2-Dichloroethene	ND		0.50	4.9
trans-1,3-Dichloropropene	ND		2.1	4.9
Trichloroethene	ND		1.1	4.9

Method Blank - Batch: 480-279229

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279229/2-A	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279229	Lab File ID:	P2247.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.13 g
Analysis Date:	12/11/2015 0055	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.46	4.9
Vinyl chloride	ND		0.59	4.9
Xylenes, Total	ND		0.82	9.7

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	64 - 126
4-Bromofluorobenzene (Surr)	101	72 - 126
Toluene-d8 (Surr)	104	71 - 125

Lab Control Sample - Batch: 480-279229

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279229/1-A	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279229	Lab File ID:	P2245.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/11/2015 0001	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.6	45.5	92	73 - 126	
1,1-Dichloroethene	49.6	44.0	89	59 - 125	
1,2-Dichlorobenzene	49.6	46.7	94	75 - 120	
1,2-Dichloroethane	49.6	44.4	90	77 - 122	
Benzene	49.6	46.1	93	79 - 127	
Chlorobenzene	49.6	46.5	94	76 - 124	
cis-1,2-Dichloroethene	49.6	45.2	91	81 - 117	
Ethylbenzene	49.6	47.7	96	80 - 120	
Methyl tert-butyl ether	49.6	46.3	93	63 - 125	
Tetrachloroethene	49.6	47.3	95	74 - 122	
Toluene	49.6	43.9	89	74 - 128	
trans-1,2-Dichloroethene	49.6	44.7	90	78 - 126	
Trichloroethene	49.6	45.9	92	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	64 - 126
4-Bromofluorobenzene (Surr)	100	72 - 126
Toluene-d8 (Surr)	103	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279229

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92213-14	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279229	Lab File ID:	P2263.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/11/2015 0844			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92213-14	Analysis Batch:	480-279212	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279229	Lab File ID:	P2264.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.09 g
Analysis Date:	12/11/2015 0911			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 2227				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	50	57	73 - 126	7	30	F1	F1
1,1-Dichloroethene	67	64	59 - 125	5	30		
1,2-Dichlorobenzene	48	43	75 - 120	11	30	* F1	F1
1,2-Dichloroethane	57	56	77 - 122	2	30	F1	F1
Benzene	62	60	79 - 127	5	30	F1	F1
Chlorobenzene	48	50	76 - 124	3	30	F1	F1
cis-1,2-Dichloroethene	-5	19	81 - 117	19	30	F1	F1
Ethylbenzene	53	53	80 - 120	0	30	F1	F1
Methyl tert-butyl ether	81	76	63 - 125	7	30		
Tetrachloroethene	56	55	74 - 122	3	30	F1	F1
Toluene	58	53	74 - 128	9	30	F1	F1
trans-1,2-Dichloroethene	63	61	78 - 126	4	30	F1	F1
Trichloroethene	5	27	77 - 129	20	30	F1	F1

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		96	64 - 126
4-Bromofluorobenzene (Surr)	70	X	86	72 - 126
Toluene-d8 (Surr)	121		110	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279229

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92213-14	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	12/11/2015 0844		
Prep Date:	12/10/2015 2227		
Leach Date:	N/A		

MSD Lab Sample ID:	480-92213-14
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	12/11/2015 0911
Prep Date:	12/10/2015 2227
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	24	63.8	63.2	55.7	F1	59.6	F1
1,1-Dichloroethene	ND	63.8	63.2	42.9		40.7	
1,2-Dichlorobenzene	ND	63.8	63.2	30.6	* F1	27.4	F1
1,2-Dichloroethane	ND	63.8	63.2	36.2	F1	35.3	F1
Benzene	ND	63.8	63.2	39.8	F1	37.8	F1
Chlorobenzene	ND	63.8	63.2	30.8	F1	31.7	F1
cis-1,2-Dichloroethene	75	63.8	63.2	71.6	F1	86.4	F1
Ethylbenzene	ND	63.8	63.2	33.7	F1	33.7	F1
Methyl tert-butyl ether	ND	63.8	63.2	51.6		48.0	
Tetrachloroethene	7.5	63.8	63.2	43.5	F1	42.0	F1
Toluene	ND	63.8	63.2	36.7	F1	33.7	F1
trans-1,2-Dichloroethene	ND	63.8	63.2	40.1	F1	38.5	F1
Trichloroethene	59	63.8	63.2	62.5	F1	76.3	F1

Method Blank - Batch: 480-279346

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279346/2-A	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279346	Lab File ID:	P2271.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/11/2015 1458	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	8.89	J	4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dibromochloromethane	ND		0.64	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Method Blank - Batch: 480-279346

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279346/2-A	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279346	Lab File ID:	P2271.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/11/2015 1458	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.83	9.9

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	64 - 126
4-Bromofluorobenzene (Surr)	105	72 - 126
Toluene-d8 (Surr)	109	71 - 125

Lab Control Sample - Batch: 480-279346

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279346/1-A	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279346	Lab File ID:	P2269.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/11/2015 1300	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1201				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.7	47.1	95	73 - 126	
1,1-Dichloroethene	49.7	46.4	93	59 - 125	
1,2-Dichlorobenzene	49.7	47.9	96	75 - 120	
1,2-Dichloroethane	49.7	46.0	93	77 - 122	
Benzene	49.7	47.9	96	79 - 127	
Chlorobenzene	49.7	47.1	95	76 - 124	
cis-1,2-Dichloroethene	49.7	46.3	93	81 - 117	
Ethylbenzene	49.7	48.7	98	80 - 120	
Methyl tert-butyl ether	49.7	47.8	96	63 - 125	
Tetrachloroethene	49.7	48.4	97	74 - 122	
Toluene	49.7	44.5	89	74 - 128	
trans-1,2-Dichloroethene	49.7	47.0	95	78 - 126	
Trichloroethene	49.7	47.8	96	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	64 - 126
4-Bromofluorobenzene (Surr)	98	72 - 126
Toluene-d8 (Surr)	101	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279346

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92213-15	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279346	Lab File ID:	P2285.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/11/2015 2139			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1338				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92213-15	Analysis Batch:	480-279321	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279346	Lab File ID:	P2286.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.12 g
Analysis Date:	12/11/2015 2206			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1338				5 mL
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	64	70	73 - 126	7	30	F1	F1
1,1-Dichloroethene	62	68	59 - 125	7	30		
1,2-Dichlorobenzene	41	60	75 - 120	34	30	F1 *	F1 F2 *
1,2-Dichloroethane	49	53	77 - 122	6	30	F1	F1
Benzene	58	63	79 - 127	7	30	F1	F1
Chlorobenzene	46	53	76 - 124	14	30	F1	F1
cis-1,2-Dichloroethene	59	65	81 - 117	7	30	F1	F1
Ethylbenzene	45	53	80 - 120	15	30	F1	F1
Methyl tert-butyl ether	69	74	63 - 125	5	30		
Tetrachloroethene	57	67	74 - 122	14	30	F1	F1
Toluene	58	67	74 - 128	13	30	F1	F1
trans-1,2-Dichloroethene	57	63	78 - 126	8	30	F1	F1
Trichloroethene	46	52	77 - 129	11	30	F1	F1

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		93		64 - 126
4-Bromofluorobenzene (Surr)	64	X	59	X	72 - 126
Toluene-d8 (Surr)	127	X	130	X	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279346

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92213-15	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	12/11/2015 2139		
Prep Date:	12/11/2015 1338		
Leach Date:	N/A		

MSD Lab Sample ID:	480-92213-15
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	12/11/2015 2206
Prep Date:	12/11/2015 1338
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	1.3	J	55.9	54.7	36.8	F1	39.4	F1
1,1-Dichloroethene	ND		55.9	54.7	34.8		37.3	
1,2-Dichlorobenzene	ND		55.9	54.7	23.2	F1 *	32.6	F1 F2
1,2-Dichloroethane	ND		55.9	54.7	27.4	F1	29.0	F1
Benzene	ND		55.9	54.7	32.3	F1	34.5	F1
Chlorobenzene	ND		55.9	54.7	25.4	F1	29.2	F1
cis-1,2-Dichloroethene	0.72	J	55.9	54.7	33.7	F1	36.3	F1
Ethylbenzene	ND		55.9	54.7	25.2	F1	29.2	F1
Methyl tert-butyl ether	ND		55.9	54.7	38.5		40.3	
Tetrachloroethene	ND		55.9	54.7	31.6	F1	36.5	F1
Toluene	ND		55.9	54.7	32.1	F1	36.4	F1
trans-1,2-Dichloroethene	ND		55.9	54.7	31.7	F1	34.4	F1
Trichloroethene	ND		55.9	54.7	25.5	F1	28.4	F1

Method Blank - Batch: 480-279401

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-279401/2-A	Analysis Batch:	480-279459	Instrument ID:	HP5973N
Client Matrix:	Solid	Prep Batch:	480-279401	Lab File ID:	N5571.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.06 g
Analysis Date:	12/12/2015 1239	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/11/2015 1536				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		27	99
1,1,2,2-Tetrachloroethane	ND		16	99
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49	99
1,1,2-Trichloroethane	ND		21	99
1,1-Dichloroethane	ND		31	99
1,1-Dichloroethene	ND		34	99
1,2,4-Trichlorobenzene	ND		37	99
1,2-Dibromo-3-Chloropropane	ND		49	99
1,2-Dibromoethane	ND		17	99
1,2-Dichlorobenzene	ND		25	99
1,2-Dichloroethane	ND		40	99
1,2-Dichloropropane	ND		16	99
1,3-Dichlorobenzene	ND		26	99
1,4-Dichlorobenzene	ND		14	99
2-Butanone (MEK)	ND		290	490
2-Hexanone	ND		200	490
4-Methyl-2-pentanone (MIBK)	ND		32	490
Acetone	ND		410	490
Benzene	ND		19	99
Bromodichloromethane	ND		20	99
Bromoform	ND		49	99
Bromomethane	ND		22	99
Carbon disulfide	ND		45	99
Carbon tetrachloride	ND		25	99
Chlorobenzene	ND		13	99
Chloroethane	ND		21	99
Chloroform	ND		68	99
Chloromethane	ND		24	99
cis-1,2-Dichloroethene	ND		27	99
cis-1,3-Dichloropropene	ND		24	99
Cyclohexane	ND		22	99
Dibromochloromethane	ND		48	99
Dichlorodifluoromethane	ND		43	99
Ethylbenzene	ND		29	99
Isopropylbenzene	ND		15	99
Methyl acetate	ND		47	99
Methyl tert-butyl ether	ND		37	99
Methylcyclohexane	ND		46	99
Methylene Chloride	ND		20	99
Styrene	ND		24	99
Tetrachloroethene	ND		13	99
Toluene	ND		26	99
trans-1,2-Dichloroethene	ND		23	99
trans-1,3-Dichloropropene	ND		9.7	99
Trichloroethene	ND		27	99

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Method Blank - Batch: 480-279401

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-279401/2-A	Analysis Batch:	480-279459	Instrument ID:	HP5973N
Client Matrix:	Solid	Prep Batch:	480-279401	Lab File ID:	N5571.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.06 g
Analysis Date:	12/12/2015 1239	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/11/2015 1536				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		46	99
Vinyl chloride	ND		33	99
Xylenes, Total	ND		55	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	53 - 146
4-Bromofluorobenzene (Surr)	94	49 - 148
Toluene-d8 (Surr)	95	50 - 149

Lab Control Sample - Batch: 480-279401

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-279401/1-A	Analysis Batch:	480-279459	Instrument ID:	HP5973N
Client Matrix:	Solid	Prep Batch:	480-279401	Lab File ID:	N5572.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.05 g
Analysis Date:	12/12/2015 1306	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/11/2015 1536				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	2480	2210	89	78 - 121	
1,1-Dichloroethene	2480	1980	80	48 - 133	
1,2-Dichlorobenzene	2480	2300	93	78 - 125	
1,2-Dichloroethane	2480	2290	93	74 - 127	
Benzene	2480	2330	94	77 - 125	
Chlorobenzene	2480	2330	94	76 - 126	
cis-1,2-Dichloroethene	2480	2520	102	79 - 124	
Ethylbenzene	2480	2270	92	78 - 124	
Methyl tert-butyl ether	2480	2150	87	67 - 137	
Tetrachloroethene	2480	2240	91	73 - 133	
Toluene	2480	2300	93	75 - 124	
trans-1,2-Dichloroethene	2480	2190	88	74 - 129	
Trichloroethene	2480	2290	92	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	53 - 146
4-Bromofluorobenzene (Surr)	97	49 - 148
Toluene-d8 (Surr)	96	50 - 149

Method Blank - Batch: 480-279448

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279448/2-A	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279448	Lab File ID:	P2293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.07 g
Analysis Date:	12/12/2015 0947	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	4.9
1,1,2,2-Tetrachloroethane	ND		0.80	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.9
1,1,2-Trichloroethane	ND		0.64	4.9
1,1-Dichloroethane	ND		0.60	4.9
1,1-Dichloroethene	ND		0.60	4.9
1,2,4-Trichlorobenzene	ND		0.30	4.9
1,2-Dibromo-3-Chloropropane	ND		2.5	4.9
1,2-Dibromoethane	ND		0.63	4.9
1,2-Dichlorobenzene	ND		0.39	4.9
1,2-Dichloroethane	ND		0.25	4.9
1,2-Dichloropropane	ND		2.5	4.9
1,3-Dichlorobenzene	ND		0.25	4.9
1,4-Dichlorobenzene	ND		0.69	4.9
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.24	4.9
Bromodichloromethane	ND		0.66	4.9
Bromoform	ND		2.5	4.9
Bromomethane	ND		0.44	4.9
Carbon disulfide	ND		2.5	4.9
Carbon tetrachloride	ND		0.48	4.9
Chlorobenzene	ND		0.65	4.9
Chloroethane	ND		1.1	4.9
Chloroform	ND		0.30	4.9
Chloromethane	ND		0.30	4.9
cis-1,2-Dichloroethene	ND		0.63	4.9
cis-1,3-Dichloropropene	ND		0.71	4.9
Cyclohexane	ND		0.69	4.9
Dibromochloromethane	ND		0.63	4.9
Dichlorodifluoromethane	ND		0.41	4.9
Ethylbenzene	ND		0.34	4.9
Isopropylbenzene	ND		0.74	4.9
Methyl acetate	ND		3.0	4.9
Methyl tert-butyl ether	ND		0.48	4.9
Methylcyclohexane	ND		0.75	4.9
Methylene Chloride	ND		2.3	4.9
Styrene	ND		0.25	4.9
Tetrachloroethene	ND		0.66	4.9
Toluene	ND		0.37	4.9
trans-1,2-Dichloroethene	ND		0.51	4.9
trans-1,3-Dichloropropene	ND		2.2	4.9
Trichloroethene	ND		1.1	4.9

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Method Blank - Batch: 480-279448

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279448/2-A	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279448	Lab File ID:	P2293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.07 g
Analysis Date:	12/12/2015 0947	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	4.9
Vinyl chloride	ND		0.60	4.9
Xylenes, Total	ND		0.83	9.9

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	64 - 126
4-Bromofluorobenzene (Surr)	99	72 - 126
Toluene-d8 (Surr)	103	71 - 125

Lab Control Sample - Batch: 480-279448

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279448/1-A	Analysis Batch:	480-279446	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279448	Lab File ID:	P2291.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.09 g
Analysis Date:	12/12/2015 0853	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 0740				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.1	45.2	92	73 - 126	
1,1-Dichloroethene	49.1	43.4	88	59 - 125	
1,2-Dichlorobenzene	49.1	47.0	96	75 - 120	
1,2-Dichloroethane	49.1	43.9	89	77 - 122	
Benzene	49.1	46.2	94	79 - 127	
Chlorobenzene	49.1	46.9	95	76 - 124	
cis-1,2-Dichloroethene	49.1	45.0	92	81 - 117	
Ethylbenzene	49.1	47.8	97	80 - 120	
Methyl tert-butyl ether	49.1	45.7	93	63 - 125	
Tetrachloroethene	49.1	46.9	95	74 - 122	
Toluene	49.1	43.8	89	74 - 128	
trans-1,2-Dichloroethene	49.1	44.9	91	78 - 126	
Trichloroethene	49.1	46.1	94	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	64 - 126
4-Bromofluorobenzene (Surr)	99	72 - 126
Toluene-d8 (Surr)	104	71 - 125

Method Blank - Batch: 480-280006

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-280006/6	Analysis Batch:	480-280006	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C59695.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/16/2015 1145	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 1145				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Method Blank - Batch: 480-280006

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-280006/6	Analysis Batch:	480-280006	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C59695.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/16/2015 1145	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 1145				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	66 - 137
4-Bromofluorobenzene (Surr)	98	73 - 120
Toluene-d8 (Surr)	98	71 - 126

Lab Control Sample - Batch: 480-280006

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-280006/4	Analysis Batch:	480-280006	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C59693.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 uL
Analysis Date:	12/16/2015 1053	Units:	ug/L	Final Weight/Volume:	1 uL
Prep Date:	12/16/2015 1053				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	25.0	100	71 - 129	
1,1-Dichloroethene	25.0	23.9	96	58 - 121	
1,2-Dichlorobenzene	25.0	23.9	95	80 - 124	
1,2-Dichloroethane	25.0	25.3	101	75 - 127	
Benzene	25.0	24.4	98	71 - 124	
Chlorobenzene	25.0	23.7	95	72 - 120	
cis-1,2-Dichloroethene	25.0	24.6	98	74 - 124	
Ethylbenzene	25.0	23.4	94	77 - 123	
Methyl tert-butyl ether	25.0	25.3	101	64 - 127	
Tetrachloroethene	25.0	23.6	95	74 - 122	
Toluene	25.0	23.7	95	80 - 122	
trans-1,2-Dichloroethene	25.0	24.5	98	73 - 127	
Trichloroethene	25.0	24.4	98	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	66 - 137
4-Bromofluorobenzene (Surr)	101	73 - 120
Toluene-d8 (Surr)	98	71 - 126

Method Blank - Batch: 480-280169

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280169/2-A	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 0107	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		28	100
1,1,2,2-Tetrachloroethane	ND		16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	100
1,1,2-Trichloroethane	ND		21	100
1,1-Dichloroethane	ND		31	100
1,1-Dichloroethene	ND		34	100
1,2,4-Trichlorobenzene	ND		38	100
1,2-Dibromo-3-Chloropropane	ND		50	100
1,2-Dibromoethane	ND		17	100
1,2-Dichlorobenzene	ND		25	100
1,2-Dichloroethane	ND		41	100
1,2-Dichloropropane	ND		16	100
1,3-Dichlorobenzene	ND		27	100
1,4-Dichlorobenzene	ND		14	100
2-Butanone (MEK)	ND		300	500
2-Hexanone	ND		200	500
4-Methyl-2-pentanone (MIBK)	ND		32	500
Acetone	ND		410	500
Benzene	ND		19	100
Bromodichloromethane	ND		20	100
Bromoform	ND		50	100
Bromomethane	ND		22	100
Carbon disulfide	ND		45	100
Carbon tetrachloride	ND		25	100
Chlorobenzene	ND		13	100
Chloroethane	ND		21	100
Chloroform	ND		68	100
Chloromethane	ND		24	100
cis-1,2-Dichloroethene	ND		27	100
cis-1,3-Dichloropropene	ND		24	100
Cyclohexane	ND		22	100
Dibromochloromethane	ND		48	100
Dichlorodifluoromethane	ND		43	100
Ethylbenzene	ND		29	100
Isopropylbenzene	ND		15	100
Methyl acetate	ND		47	100
Methyl tert-butyl ether	ND		38	100
Methylcyclohexane	ND		47	100
Methylene Chloride	ND		20	100
Styrene	ND		24	100
Tetrachloroethene	ND		13	100
Toluene	ND		27	100
trans-1,2-Dichloroethene	ND		24	100
trans-1,3-Dichloropropene	ND		9.8	100
Trichloroethene	ND		28	100

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Method Blank - Batch: 480-280169

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280169/2-A	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 0107	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		47	100
Vinyl chloride	ND		33	100
Xylenes, Total	ND		55	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	53 - 146
4-Bromofluorobenzene (Surr)	92	49 - 148
Toluene-d8 (Surr)	94	50 - 149

Lab Control Sample - Batch: 480-280169

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-280169/1-A	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6163.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.07 g
Analysis Date:	12/16/2015 2336	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	2470	2060	84	78 - 121	
1,1-Dichloroethene	2470	1690	69	48 - 133	
1,2-Dichlorobenzene	2470	2400	97	78 - 125	
1,2-Dichloroethane	2470	2040	83	74 - 127	
Benzene	2470	2160	88	77 - 125	
Chlorobenzene	2470	2230	90	76 - 126	
cis-1,2-Dichloroethene	2470	2050	83	79 - 124	
Ethylbenzene	2470	2460	100	78 - 124	
Methyl tert-butyl ether	2470	2100	85	67 - 137	
Tetrachloroethene	2470	2370	96	73 - 133	
Toluene	2470	2380	96	75 - 124	
trans-1,2-Dichloroethene	2470	1930	78	74 - 129	
Trichloroethene	2470	2110	86	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	53 - 146
4-Bromofluorobenzene (Surr)	95	49 - 148
Toluene-d8 (Surr)	97	50 - 149

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	ISTD response or retention time outside acceptable limits
	F1	MS and/or MSD Recovery is outside acceptance limits.
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-279063					
LCS 480-279119/1-A	Lab Control Sample	T	Solid	8260C	480-279119
MB 480-279119/2-A	Method Blank	T	Solid	8260C	480-279119
480-92213-3	B4-AREA2-S1	T	Solid	8260C	480-279119
Prep Batch: 480-279119					
LCS 480-279119/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279119/2-A	Method Blank	T	Solid	5035	
480-92213-3	B4-AREA2-S1	T	Solid	5035	
Analysis Batch:480-279212					
LCS 480-279229/1-A	Lab Control Sample	T	Solid	8260C	480-279229
MB 480-279229/2-A	Method Blank	T	Solid	8260C	480-279229
480-92213-2	B3-AREA2-S2	T	Solid	8260C	480-279229
480-92213-4	B4-AREA2-S2	T	Solid	8260C	480-279229
480-92213-5	B4-AREA2-S3	T	Solid	8260C	480-279229
480-92213-6	B25-AREA2-S1	T	Solid	8260C	480-279229
480-92213-8	B25-AREA2-S3	T	Solid	8260C	480-279229
480-92213-14	B9-AREA2-S2	T	Solid	8260C	480-279229
480-92213-14MS	Matrix Spike	T	Solid	8260C	480-279229
480-92213-14MSD	Matrix Spike Duplicate	T	Solid	8260C	480-279229
Prep Batch: 480-279229					
LCS 480-279229/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279229/2-A	Method Blank	T	Solid	5035	
480-92213-2	B3-AREA2-S2	T	Solid	5035	
480-92213-4	B4-AREA2-S2	T	Solid	5035	
480-92213-5	B4-AREA2-S3	T	Solid	5035	
480-92213-6	B25-AREA2-S1	T	Solid	5035	
480-92213-8	B25-AREA2-S3	T	Solid	5035	
480-92213-14	B9-AREA2-S2	T	Solid	5035	
480-92213-14MS	Matrix Spike	T	Solid	5035	
480-92213-14MSD	Matrix Spike Duplicate	T	Solid	5035	
Analysis Batch:480-279321					
LCS 480-279346/1-A	Lab Control Sample	T	Solid	8260C	480-279346
MB 480-279346/2-A	Method Blank	T	Solid	8260C	480-279346
480-92213-11	B26-ARREA2-S1	T	Solid	8260C	480-279346
480-92213-12	B8-AREA2-S1	T	Solid	8260C	480-279346
480-92213-13	B9-AREA2-S1	T	Solid	8260C	480-279346
480-92213-15	B-AREA2-DUP1	T	Solid	8260C	480-279346
480-92213-15MS	Matrix Spike	T	Solid	8260C	480-279346
480-92213-15MSD	Matrix Spike Duplicate	T	Solid	8260C	480-279346

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-279346					
LCS 480-279346/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279346/2-A	Method Blank	T	Solid	5035	
480-92213-11	B26-ARREA2-S1	T	Solid	5035	
480-92213-12	B8-AREA2-S1	T	Solid	5035	
480-92213-13	B9-AREA2-S1	T	Solid	5035	
480-92213-15	B-AREA2-DUP1	T	Solid	5035	
480-92213-15MS	Matrix Spike	T	Solid	5035	
480-92213-15MSD	Matrix Spike Duplicate	T	Solid	5035	
Prep Batch: 480-279401					
LCS 480-279401/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-279401/2-A	Method Blank	T	Solid	5035A	
480-92213-1	B3-AREA2-S1	T	Solid	5035A	
480-92213-3DL	B4-AREA2-S1	T	Solid	5035A	
Analysis Batch:480-279446					
LCS 480-279448/1-A	Lab Control Sample	T	Solid	8260C	480-279448
MB 480-279448/2-A	Method Blank	T	Solid	8260C	480-279448
480-92213-7	B25-AREA2-S2	T	Solid	8260C	480-279448
480-92213-9	B6-AREA2-S1	T	Solid	8260C	480-279448
480-92213-10	B6-AREA2-S2	T	Solid	8260C	480-279448
Prep Batch: 480-279448					
LCS 480-279448/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279448/2-A	Method Blank	T	Solid	5035	
480-92213-7	B25-AREA2-S2	T	Solid	5035	
480-92213-9	B6-AREA2-S1	T	Solid	5035	
480-92213-10	B6-AREA2-S2	T	Solid	5035	
Analysis Batch:480-279459					
LCS 480-279401/1-A	Lab Control Sample	T	Solid	8260C	480-279401
MB 480-279401/2-A	Method Blank	T	Solid	8260C	480-279401
Analysis Batch:480-279500					
480-92213-1	B3-AREA2-S1	T	Solid	8260C	480-279401
480-92213-3DL	B4-AREA2-S1	T	Solid	8260C	480-279401
Analysis Batch:480-280006					
LCS 480-280006/4	Lab Control Sample	T	Water	8260C	
MB 480-280006/6	Method Blank	T	Water	8260C	
480-92213-16	SB-RINSEBLANK2	T	Water	8260C	

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-280169					
LCS 480-280169/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-280169/2-A	Method Blank	T	Solid	5035A	
480-92213-6DL	B25-AREA2-S1	T	Solid	5035A	
Analysis Batch:480-280176					
LCS 480-280169/1-A	Lab Control Sample	T	Solid	8260C	480-280169
MB 480-280169/2-A	Method Blank	T	Solid	8260C	480-280169
480-92213-6DL	B25-AREA2-S1	T	Solid	8260C	480-280169

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-279162					
480-92213-1	B3-AREA2-S1	T	Solid	Moisture	
480-92213-2	B3-AREA2-S2	T	Solid	Moisture	
480-92213-3	B4-AREA2-S1	T	Solid	Moisture	
480-92213-4	B4-AREA2-S2	T	Solid	Moisture	
480-92213-5	B4-AREA2-S3	T	Solid	Moisture	
480-92213-14	B9-AREA2-S2	T	Solid	Moisture	
480-92213-14MS	Matrix Spike	T	Solid	Moisture	
480-92213-14MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:480-279241					
480-92213-6	B25-AREA2-S1	T	Solid	Moisture	
480-92213-7	B25-AREA2-S2	T	Solid	Moisture	
480-92213-8	B25-AREA2-S3	T	Solid	Moisture	
480-92213-9	B6-AREA2-S1	T	Solid	Moisture	
480-92213-10	B6-AREA2-S2	T	Solid	Moisture	
480-92213-11	B26-ARREA2-S1	T	Solid	Moisture	
480-92213-12	B8-AREA2-S1	T	Solid	Moisture	
480-92213-13	B9-AREA2-S1	T	Solid	Moisture	
480-92213-15	B-AREA2-DUP1	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Laboratory Chronicle

Lab ID: 480-92213-1 **Client ID: B3-AREA2-S1**

Sample Date/Time: 12/02/2015 14:30 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92213-A-1-B		480-279500	480-279401	12/11/2015 15:36	8	TAL BUF	SWO
A:8260C	480-92213-A-1-B		480-279500	480-279401	12/13/2015 17:13	8	TAL BUF	GTG
A:Moisture	480-92213-A-1		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Lab ID: 480-92213-2 **Client ID: B3-AREA2-S2**

Sample Date/Time: 12/02/2015 14:40 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-2-B		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-2-B		480-279212	480-279229	12/11/2015 02:22	1	TAL BUF	CDC
A:Moisture	480-92213-A-2		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Lab ID: 480-92213-3 **Client ID: B4-AREA2-S1**

Sample Date/Time: 12/02/2015 09:35 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-3-A		480-279063	480-279119	12/10/2015 11:27	1	TAL BUF	CDC
A:8260C	480-92213-A-3-A		480-279063	480-279119	12/10/2015 18:59	1	TAL BUF	NMD1
P:5035A	480-92213-A-3-C	DL	480-279500	480-279401	12/11/2015 15:36	8	TAL BUF	SWO
A:8260C	480-92213-A-3-C	DL	480-279500	480-279401	12/13/2015 17:39	8	TAL BUF	GTG
A:Moisture	480-92213-A-3		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Lab ID: 480-92213-4 **Client ID: B4-AREA2-S2**

Sample Date/Time: 12/02/2015 09:45 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-4-B		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-4-B		480-279212	480-279229	12/11/2015 03:16	1	TAL BUF	CDC
A:Moisture	480-92213-A-4		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Lab ID: 480-92213-5 **Client ID: B4-AREA2-S3**

Sample Date/Time: 12/02/2015 14:10 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-5-B		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-5-B		480-279212	480-279229	12/11/2015 03:43	1	TAL BUF	CDC
A:Moisture	480-92213-A-5		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Laboratory Chronicle

Lab ID: 480-92213-6 **Client ID: B25-AREA2-S1**

Sample Date/Time: 12/03/2015 10:10 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-6-A		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-6-A		480-279212	480-279229	12/11/2015 04:11	1	TAL BUF	CDC
P:5035A	480-92213-A-6-C	DL	480-280176	480-280169	12/16/2015 18:02	4	TAL BUF	SWO
A:8260C	480-92213-A-6-C	DL	480-280176	480-280169	12/17/2015 03:25	4	TAL BUF	LCH
A:Moisture	480-92213-A-6		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-7 **Client ID: B25-AREA2-S2**

Sample Date/Time: 12/03/2015 10:30 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-7-C		480-279446	480-279448	12/12/2015 07:40	1	TAL BUF	CDC
A:8260C	480-92213-A-7-C		480-279446	480-279448	12/12/2015 13:13	1	TAL BUF	CDC
A:Moisture	480-92213-A-7		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-8 **Client ID: B25-AREA2-S3**

Sample Date/Time: 12/03/2015 10:40 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-8-A		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-8-A		480-279212	480-279229	12/11/2015 05:05	1	TAL BUF	CDC
A:Moisture	480-92213-A-8		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-9 **Client ID: B6-AREA2-S1**

Sample Date/Time: 12/03/2015 11:10 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-9-C		480-279446	480-279448	12/12/2015 07:40	1	TAL BUF	CDC
A:8260C	480-92213-A-9-C		480-279446	480-279448	12/12/2015 13:41	1	TAL BUF	CDC
A:Moisture	480-92213-A-9		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-10 **Client ID: B6-AREA2-S2**

Sample Date/Time: 12/03/2015 11:50 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-10-C		480-279446	480-279448	12/12/2015 07:40	1	TAL BUF	CDC
A:8260C	480-92213-A-10-C		480-279446	480-279448	12/12/2015 14:08	1	TAL BUF	CDC
A:Moisture	480-92213-A-10		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Laboratory Chronicle

Lab ID: 480-92213-11 **Client ID: B26-ARREA2-S1**

Sample Date/Time: 12/04/2015 09:20 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-11-B		480-279321	480-279346	12/11/2015 12:01	1	TAL BUF	CDC
A:8260C	480-92213-A-11-B		480-279321	480-279346	12/11/2015 17:34	1	TAL BUF	CDC
A:Moisture	480-92213-A-11		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-12 **Client ID: B8-AREA2-S1**

Sample Date/Time: 12/04/2015 10:50 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-12-B		480-279321	480-279346	12/11/2015 12:01	1	TAL BUF	CDC
A:8260C	480-92213-A-12-B		480-279321	480-279346	12/11/2015 18:01	1	TAL BUF	CDC
A:Moisture	480-92213-A-12		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-13 **Client ID: B9-AREA2-S1**

Sample Date/Time: 12/04/2015 13:15 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-13-B		480-279321	480-279346	12/11/2015 12:01	1	TAL BUF	CDC
A:8260C	480-92213-A-13-B		480-279321	480-279346	12/11/2015 18:28	1	TAL BUF	CDC
A:Moisture	480-92213-A-13		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-14 **Client ID: B9-AREA2-S2**

Sample Date/Time: 12/04/2015 14:10 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-14-D		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-14-D		480-279212	480-279229	12/11/2015 07:49	1	TAL BUF	CDC
A:Moisture	480-92213-A-14		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Lab ID: 480-92213-14 **Client ID: B9-AREA2-S2**

Sample Date/Time: 12/04/2015 14:10 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-14-E MS		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-14-E MS		480-279212	480-279229	12/11/2015 08:44	1	TAL BUF	CDC
A:Moisture	480-92213-A-14 MS		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Laboratory Chronicle

Lab ID: 480-92213-14 **Client ID: B9-AREA2-S2**

Sample Date/Time: 12/04/2015 14:10 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-14-F MSD		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	480-92213-A-14-F MSD		480-279212	480-279229	12/11/2015 09:11	1	TAL BUF	CDC
A:Moisture	480-92213-A-14 MSD		480-279162		12/10/2015 14:25	1	TAL BUF	CDC

Lab ID: 480-92213-15 **Client ID: B-AREA2-DUP1**

Sample Date/Time: 12/04/2015 10:55 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-15-B		480-279321	480-279346	12/11/2015 12:01	1	TAL BUF	CDC
A:8260C	480-92213-A-15-B		480-279321	480-279346	12/11/2015 18:56	1	TAL BUF	CDC
A:Moisture	480-92213-A-15		480-279241		12/11/2015 04:14	1	TAL BUF	NMD1

Lab ID: 480-92213-15 MS **Client ID: B-AREA2-DUP1**

Sample Date/Time: 12/04/2015 10:55 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-15-C MS		480-279321	480-279346	12/11/2015 13:38	1	TAL BUF	CDC
A:8260C	480-92213-A-15-C MS		480-279321	480-279346	12/11/2015 21:39	1	TAL BUF	CDC

Lab ID: 480-92213-15 MSD **Client ID: B-AREA2-DUP1**

Sample Date/Time: 12/04/2015 10:55 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92213-A-15-D MSD		480-279321	480-279346	12/11/2015 13:38	1	TAL BUF	CDC
A:8260C	480-92213-A-15-D MSD		480-279321	480-279346	12/11/2015 22:06	1	TAL BUF	CDC

Lab ID: 480-92213-16 **Client ID: SB-RINSEBLANK2**

Sample Date/Time: 12/03/2015 15:00 Received Date/Time: 12/05/2015 01:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-92213-A-16		480-280006		12/16/2015 14:59	1	TAL BUF	SWO
A:8260C	480-92213-A-16		480-280006		12/16/2015 14:59	1	TAL BUF	SWO

Client: Stantec Consulting Services Inc Job Number: 480-92213-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 480-279119/2-A		480-279063	480-279119	12/10/2015 11:27	1	TAL BUF	CDC
A:8260C	MB 480-279119/2-A		480-279063	480-279119	12/10/2015 13:14	1	TAL BUF	NMD1
P:5035	MB 480-279229/2-A		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	MB 480-279229/2-A		480-279212	480-279229	12/11/2015 00:55	1	TAL BUF	CDC
P:5035	MB 480-279346/2-A		480-279321	480-279346	12/11/2015 12:01	1	TAL BUF	CDC
A:8260C	MB 480-279346/2-A		480-279321	480-279346	12/11/2015 14:58	1	TAL BUF	CDC
P:5035	MB 480-279448/2-A		480-279446	480-279448	12/12/2015 07:40	1	TAL BUF	CDC
A:8260C	MB 480-279448/2-A		480-279446	480-279448	12/12/2015 09:47	1	TAL BUF	CDC
P:5035A	MB 480-279401/2-A		480-279459	480-279401	12/11/2015 15:36	1	TAL BUF	SWO
A:8260C	MB 480-279401/2-A		480-279459	480-279401	12/12/2015 12:39	1	TAL BUF	SWO
P:5030C	MB 480-280006/6		480-280006		12/16/2015 11:45	1	TAL BUF	SWO
A:8260C	MB 480-280006/6		480-280006		12/16/2015 11:45	1	TAL BUF	SWO
P:5035A	MB 480-280169/2-A		480-280176	480-280169	12/16/2015 18:02	1	TAL BUF	SWO
A:8260C	MB 480-280169/2-A		480-280176	480-280169	12/17/2015 01:07	1	TAL BUF	LCH

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 480-279119/1-A		480-279063	480-279119	12/10/2015 11:27	1	TAL BUF	CDC
A:8260C	LCS 480-279119/1-A		480-279063	480-279119	12/10/2015 12:20	1	TAL BUF	NMD1
P:5035	LCS 480-279229/1-A		480-279212	480-279229	12/10/2015 22:27	1	TAL BUF	NMD1
A:8260C	LCS 480-279229/1-A		480-279212	480-279229	12/11/2015 00:01	1	TAL BUF	CDC
P:5035	LCS 480-279346/1-A		480-279321	480-279346	12/11/2015 12:01	1	TAL BUF	CDC
A:8260C	LCS 480-279346/1-A		480-279321	480-279346	12/11/2015 13:00	1	TAL BUF	CDC
P:5035	LCS 480-279448/1-A		480-279446	480-279448	12/12/2015 07:40	1	TAL BUF	CDC
A:8260C	LCS 480-279448/1-A		480-279446	480-279448	12/12/2015 08:53	1	TAL BUF	CDC
P:5035A	LCS 480-279401/1-A		480-279459	480-279401	12/11/2015 15:36	1	TAL BUF	SWO
A:8260C	LCS 480-279401/1-A		480-279459	480-279401	12/12/2015 13:06	1	TAL BUF	SWO
P:5030C	LCS 480-280006/4		480-280006		12/16/2015 10:53	1	TAL BUF	SWO
A:8260C	LCS 480-280006/4		480-280006		12/16/2015 10:53	1	TAL BUF	SWO
P:5035A	LCS 480-280169/1-A		480-280176	480-280169	12/16/2015 18:02	1	TAL BUF	SWO
A:8260C	LCS 480-280169/1-A		480-280176	480-280169	12/16/2015 23:36	1	TAL BUF	LCH

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Volatiles

TestAmerica Job ID: 480-92213-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B3-AREA2-S2	480-92213-2	121	128 * X	37 * X
B4-AREA2-S1	480-92213-3	106	104	96
B4-AREA2-S2	480-92213-4	107	112	84
B4-AREA2-S3	480-92213-5	109	106	78
B25-AREA2-S1	480-92213-6	108	101	84
B25-AREA2-S2	480-92213-7	110	129 * X	56 * X
B25-AREA2-S3	480-92213-8	105	111	79
B6-AREA2-S1	480-92213-9	111	125	50 X
B6-AREA2-S2	480-92213-10	111	138 * X	47 * X
B26-ARREA2-S1	480-92213-11	104	123	68 X
B8-AREA2-S1	480-92213-12	113	130 X *	51 X *
B9-AREA2-S1	480-92213-13	106	105	89
B9-AREA2-S2	480-92213-14	113	131 * X	68 * X
B-AREA2-DUP1	480-92213-15	120	138 X *	39 X *
	MB 480-279119/2-A	102	100	100
	MB 480-279229/2-A	106	104	101
	MB 480-279346/2-A	112	109	105
	MB 480-279448/2-A	103	103	99
	LCS 480-279119/1-A	102	101	99
	LCS 480-279229/1-A	103	103	100
	LCS 480-279346/1-A	103	101	98
	LCS 480-279448/1-A	102	104	99
B9-AREA2-S2 MS	480-92213-14 MS	97	121	70 X
B-AREA2-DUP1 MS	480-92213-15 MS	92	127 X	64 X
B9-AREA2-S2 MSD	480-92213-14 MSD	96	110	86
B-AREA2-DUP1 MSD	480-92213-15 MSD	93	130 X	59 X

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B3-AREA2-S1	480-92213-1	94	92	95
B4-AREA2-S1 DL	480-92213-3 DL	97	97	94
B25-AREA2-S1 DL	480-92213-6 DL	93	95	92
	MB 480-279401/2-A	97	95	94
	MB 480-280169/2-A	88	94	92
	LCS 480-279401/1-A	95	96	97
	LCS 480-280169/1-A	94	97	95

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (30) ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB-RINSEBLANK2	480-92213-16	104	98	97
	MB 480-280006/6	103	98	98
	LCS 480-280006/4	103	98	101

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2221.D

Lab ID: LCS 480-279119/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.4	46.2	93	73-126	
1,1-Dichloroethene	49.4	45.1	91	59-125	
1,2-Dichlorobenzene	49.4	47.3	96	75-120	
1,2-Dichloroethane	49.4	43.9	89	77-122	
Benzene	49.4	47.4	96	79-127	
Chlorobenzene	49.4	47.2	95	76-124	
cis-1,2-Dichloroethene	49.4	46.1	93	81-117	
Ethylbenzene	49.4	48.6	98	80-120	
Methyl tert-butyl ether	49.4	46.1	93	63-125	
Tetrachloroethene	49.4	48.9	99	74-122	
Toluene	49.4	44.7	90	74-128	
trans-1,2-Dichloroethene	49.4	46.0	93	78-126	
Trichloroethene	49.4	47.0	95	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2245.D

Lab ID: LCS 480-279229/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.6	45.5	92	73-126	
1,1-Dichloroethene	49.6	44.0	89	59-125	
1,2-Dichlorobenzene	49.6	46.7	94	75-120	
1,2-Dichloroethane	49.6	44.4	90	77-122	
Benzene	49.6	46.1	93	79-127	
Chlorobenzene	49.6	46.5	94	76-124	
cis-1,2-Dichloroethene	49.6	45.2	91	81-117	
Ethylbenzene	49.6	47.7	96	80-120	
Methyl tert-butyl ether	49.6	46.3	93	63-125	
Tetrachloroethene	49.6	47.3	95	74-122	
Toluene	49.6	43.9	89	74-128	
trans-1,2-Dichloroethene	49.6	44.7	90	78-126	
Trichloroethene	49.6	45.9	92	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2269.D

Lab ID: LCS 480-279346/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.7	47.1	95	73-126	
1,1-Dichloroethene	49.7	46.4	93	59-125	
1,2-Dichlorobenzene	49.7	47.9	96	75-120	
1,2-Dichloroethane	49.7	46.0	93	77-122	
Benzene	49.7	47.9	96	79-127	
Chlorobenzene	49.7	47.1	95	76-124	
cis-1,2-Dichloroethene	49.7	46.3	93	81-117	
Ethylbenzene	49.7	48.7	98	80-120	
Methyl tert-butyl ether	49.7	47.8	96	63-125	
Tetrachloroethene	49.7	48.4	97	74-122	
Toluene	49.7	44.5	89	74-128	
trans-1,2-Dichloroethene	49.7	47.0	95	78-126	
Trichloroethene	49.7	47.8	96	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N5572.D

Lab ID: LCS 480-279401/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2480	2210	89	78-121	
1,1-Dichloroethene	2480	1980	80	48-133	
1,2-Dichlorobenzene	2480	2300	93	78-125	
1,2-Dichloroethane	2480	2290	93	74-127	
Benzene	2480	2330	94	77-125	
Chlorobenzene	2480	2330	94	76-126	
cis-1,2-Dichloroethene	2480	2520	102	79-124	
Ethylbenzene	2480	2270	92	78-124	
Methyl tert-butyl ether	2480	2150	87	67-137	
Tetrachloroethene	2480	2240	91	73-133	
Toluene	2480	2300	93	75-124	
trans-1,2-Dichloroethene	2480	2190	88	74-129	
Trichloroethene	2480	2290	92	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2291.D

Lab ID: LCS 480-279448/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.1	45.2	92	73-126	
1,1-Dichloroethene	49.1	43.4	88	59-125	
1,2-Dichlorobenzene	49.1	47.0	96	75-120	
1,2-Dichloroethane	49.1	43.9	89	77-122	
Benzene	49.1	46.2	94	79-127	
Chlorobenzene	49.1	46.9	95	76-124	
cis-1,2-Dichloroethene	49.1	45.0	92	81-117	
Ethylbenzene	49.1	47.8	97	80-120	
Methyl tert-butyl ether	49.1	45.7	93	63-125	
Tetrachloroethene	49.1	46.9	95	74-122	
Toluene	49.1	43.8	89	74-128	
trans-1,2-Dichloroethene	49.1	44.9	91	78-126	
Trichloroethene	49.1	46.1	94	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C59693.D

Lab ID: LCS 480-280006/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	25.0	100	71-129	
1,1-Dichloroethene	25.0	23.9	96	58-121	
1,2-Dichlorobenzene	25.0	23.9	95	80-124	
1,2-Dichloroethane	25.0	25.3	101	75-127	
Benzene	25.0	24.4	98	71-124	
Chlorobenzene	25.0	23.7	95	72-120	
cis-1,2-Dichloroethene	25.0	24.6	98	74-124	
Ethylbenzene	25.0	23.4	94	77-123	
Methyl tert-butyl ether	25.0	25.3	101	64-127	
Tetrachloroethene	25.0	23.6	95	74-122	
Toluene	25.0	23.7	95	80-122	
trans-1,2-Dichloroethene	25.0	24.5	98	73-127	
Trichloroethene	25.0	24.4	98	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6163.D

Lab ID: LCS 480-280169/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2470	2060	84	78-121	
1,1-Dichloroethene	2470	1690	69	48-133	
1,2-Dichlorobenzene	2470	2400	97	78-125	
1,2-Dichloroethane	2470	2040	83	74-127	
Benzene	2470	2160	88	77-125	
Chlorobenzene	2470	2230	90	76-126	
cis-1,2-Dichloroethene	2470	2050	83	79-124	
Ethylbenzene	2470	2460	100	78-124	
Methyl tert-butyl ether	2470	2100	85	67-137	
Tetrachloroethene	2470	2370	96	73-133	
Toluene	2470	2380	96	75-124	
trans-1,2-Dichloroethene	2470	1930	78	74-129	
Trichloroethene	2470	2110	86	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2263.D

Lab ID: 480-92213-14 MS Client ID: B9-AREA2-S2 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	63.8	24	55.7	50	73-126	F1
1,1-Dichloroethene	63.8	ND	42.9	67	59-125	
1,2-Dichlorobenzene	63.8	ND	30.6	48	75-120	* F1
1,2-Dichloroethane	63.8	ND	36.2	57	77-122	F1
Benzene	63.8	ND	39.8	62	79-127	F1
Chlorobenzene	63.8	ND	30.8	48	76-124	F1
cis-1,2-Dichloroethene	63.8	75	71.6	-5	81-117	F1
Ethylbenzene	63.8	ND	33.7	53	80-120	F1
Methyl tert-butyl ether	63.8	ND	51.6	81	63-125	
Tetrachloroethene	63.8	7.5	43.5	56	74-122	F1
Toluene	63.8	ND	36.7	58	74-128	F1
trans-1,2-Dichloroethene	63.8	ND	40.1	63	78-126	F1
Trichloroethene	63.8	59	62.5	5	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2285.D

Lab ID: 480-92213-15 MS Client ID: B-AREA2-DUP1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	55.9	1.3 J	36.8	64	73-126	F1
1,1-Dichloroethene	55.9	ND	34.8	62	59-125	
1,2-Dichlorobenzene	55.9	ND	23.2	41	75-120	F1 *
1,2-Dichloroethane	55.9	ND	27.4	49	77-122	F1
Benzene	55.9	ND	32.3	58	79-127	F1
Chlorobenzene	55.9	ND	25.4	46	76-124	F1
cis-1,2-Dichloroethene	55.9	0.72 J	33.7	59	81-117	F1
Ethylbenzene	55.9	ND	25.2	45	80-120	F1
Methyl tert-butyl ether	55.9	ND	38.5	69	63-125	
Tetrachloroethene	55.9	ND	31.6	57	74-122	F1
Toluene	55.9	ND	32.1	58	74-128	F1
trans-1,2-Dichloroethene	55.9	ND	31.7	57	78-126	F1
Trichloroethene	55.9	ND	25.5	46	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2264.D

Lab ID: 480-92213-14 MSD Client ID: B9-AREA2-S2 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	63.2	59.6	57	7	30	73-126	F1
1,1-Dichloroethene	63.2	40.7	64	5	30	59-125	
1,2-Dichlorobenzene	63.2	27.4	43	11	30	75-120	F1
1,2-Dichloroethane	63.2	35.3	56	2	30	77-122	F1
Benzene	63.2	37.8	60	5	30	79-127	F1
Chlorobenzene	63.2	31.7	50	3	30	76-124	F1
cis-1,2-Dichloroethene	63.2	86.4	19	19	30	81-117	F1
Ethylbenzene	63.2	33.7	53	0	30	80-120	F1
Methyl tert-butyl ether	63.2	48.0	76	7	30	63-125	
Tetrachloroethene	63.2	42.0	55	3	30	74-122	F1
Toluene	63.2	33.7	53	9	30	74-128	F1
trans-1,2-Dichloroethene	63.2	38.5	61	4	30	78-126	F1
Trichloroethene	63.2	76.3	27	20	30	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2286.D

Lab ID: 480-92213-15 MSD Client ID: B-AREA2-DUP1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	54.7	39.4	70	7	30	73-126	F1
1,1-Dichloroethene	54.7	37.3	68	7	30	59-125	
1,2-Dichlorobenzene	54.7	32.6	60	34	30	75-120	F1 F2 *
1,2-Dichloroethane	54.7	29.0	53	6	30	77-122	F1
Benzene	54.7	34.5	63	7	30	79-127	F1
Chlorobenzene	54.7	29.2	53	14	30	76-124	F1
cis-1,2-Dichloroethene	54.7	36.3	65	7	30	81-117	F1
Ethylbenzene	54.7	29.2	53	15	30	80-120	F1
Methyl tert-butyl ether	54.7	40.3	74	5	30	63-125	
Tetrachloroethene	54.7	36.5	67	14	30	74-122	F1
Toluene	54.7	36.4	67	13	30	74-128	F1
trans-1,2-Dichloroethene	54.7	34.4	63	8	30	78-126	F1
Trichloroethene	54.7	28.4	52	11	30	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2223.D Lab Sample ID: MB 480-279119/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/10/2015 13:14

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279119/1-A	P2221.D	12/10/2015 12:20
B4-AREA2-S1	480-92213-3	P2235.D	12/10/2015 18:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2247.D Lab Sample ID: MB 480-279229/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/11/2015 00:55

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279229/1-A	P2245.D	12/11/2015 00:01
B3-AREA2-S2	480-92213-2	P2249.D	12/11/2015 02:22
B4-AREA2-S2	480-92213-4	P2251.D	12/11/2015 03:16
B4-AREA2-S3	480-92213-5	P2252.D	12/11/2015 03:43
B25-AREA2-S1	480-92213-6	P2253.D	12/11/2015 04:11
B25-AREA2-S3	480-92213-8	P2255.D	12/11/2015 05:05
B9-AREA2-S2	480-92213-14	P2261.D	12/11/2015 07:49
B9-AREA2-S2 MS	480-92213-14 MS	P2263.D	12/11/2015 08:44
B9-AREA2-S2 MSD	480-92213-14 MSD	P2264.D	12/11/2015 09:11

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2271.D Lab Sample ID: MB 480-279346/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/11/2015 14:58

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279346/1-A	P2269.D	12/11/2015 13:00
B26-ARREA2-S1	480-92213-11	P2276.D	12/11/2015 17:34
B8-AREA2-S1	480-92213-12	P2277.D	12/11/2015 18:01
B9-AREA2-S1	480-92213-13	P2278.D	12/11/2015 18:28
B-AREA2-DUP1	480-92213-15	P2279.D	12/11/2015 18:56
B-AREA2-DUP1 MS	480-92213-15 MS	P2285.D	12/11/2015 21:39
B-AREA2-DUP1 MSD	480-92213-15 MSD	P2286.D	12/11/2015 22:06

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: N5571.D Lab Sample ID: MB 480-279401/2-A

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

Instrument ID: HP5973N Date Analyzed: 12/12/2015 12:39

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279401/1-A	N5572.D	12/12/2015 13:06
B3-AREA2-S1	480-92213-1	N5611.D	12/13/2015 17:13
B4-AREA2-S1 DL	480-92213-3 DL	N5612.D	12/13/2015 17:39

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2293.D Lab Sample ID: MB 480-279448/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/12/2015 09:47

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279448/1-A	P2291.D	12/12/2015 08:53
B25-AREA2-S2	480-92213-7	P2300.D	12/12/2015 13:13
B6-AREA2-S1	480-92213-9	P2301.D	12/12/2015 13:41
B6-AREA2-S2	480-92213-10	P2302.D	12/12/2015 14:08

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: C59695.D Lab Sample ID: MB 480-280006/6

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

Instrument ID: HP5973C Date Analyzed: 12/16/2015 11:45

GC Column: ZB-624 (30) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280006/4	C59693.D	12/16/2015 10:53
SB-RINSEBLANK2	480-92213-16	C59702.D	12/16/2015 14:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: S6201.D Lab Sample ID: MB 480-280169/2-A

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

Instrument ID: HP5973S Date Analyzed: 12/17/2015 01:07

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280169/1-A	S6163.D	12/16/2015 23:36
B25-AREA2-S1 DL	480-92213-6 DL	S6207.D	12/17/2015 03:25

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: C59579.D BFB Injection Date: 12/11/2015

Instrument ID: HP5973C BFB Injection Time: 13:23

Analysis Batch No.: 279331

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	54.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.6	(0.6) 1
174	50.0 - 120.00 % of mass 95	85.6	
175	5.0 - 9.0 % of mass 174	6.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	86.0	(100.4) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-279331/4	C59581.D	12/11/2015	14:15
	IC 480-279331/5	C59582.D	12/11/2015	14:41
	IC 480-279331/6	C59583.D	12/11/2015	15:07
	IC 480-279331/7	C59584.D	12/11/2015	15:58
	IC 480-279331/8	C59585.D	12/11/2015	16:23
	ICIS 480-279331/9	C59586.D	12/11/2015	16:49
	IC 480-279331/10	C59587.D	12/11/2015	17:15
	IC 480-279331/11	C59588.D	12/11/2015	17:40

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: C59690.D BFB Injection Date: 12/16/2015

Instrument ID: HP5973C BFB Injection Time: 09:32

Analysis Batch No.: 280006

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.0	
75	30.0 - 60.0 % of mass 95	54.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	50.0 - 120.00 % of mass 95	86.6	
175	5.0 - 9.0 % of mass 174	5.9	(6.8) 1
176	95.0 - 101.0 % of mass 174	84.2	(97.2) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280006/2	C59691.D	12/16/2015	10:01
	LCS 480-280006/4	C59693.D	12/16/2015	10:53
	MB 480-280006/6	C59695.D	12/16/2015	11:45
SB-RINSEBLANK2	480-92213-16	C59702.D	12/16/2015	14:59

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: N5252.D BFB Injection Date: 12/04/2015

Instrument ID: HP5973N BFB Injection Time: 11:39

Analysis Batch No.: 278176

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.4	
75	30.0 - 60.0 % of mass 95	50.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.8	
175	5.0 - 9.0 % of mass 174	6.1	(7.4) 1
176	95.0 - 101.0 % of mass 174	78.9	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-278176/3	N5254.D	12/04/2015	12:30
	IC 480-278176/4	N5255.D	12/04/2015	12:57
	IC 480-278176/5	N5256.D	12/04/2015	13:24
	IC 480-278176/6	N5257.D	12/04/2015	13:51
	IC 480-278176/7	N5258.D	12/04/2015	14:18
	ICIS 480-278176/8	N5259.D	12/04/2015	14:45
	IC 480-278176/9	N5260.D	12/04/2015	15:12
	IC 480-278176/10	N5261.D	12/04/2015	15:39

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: N5566.D BFB Injection Date: 12/12/2015

Instrument ID: HP5973N BFB Injection Time: 10:26

Analysis Batch No.: 279459

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.9	
75	30.0 - 60.0 % of mass 95	52.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	50.0 - 120.00 % of mass 95	80.1	
175	5.0 - 9.0 % of mass 174	5.8	(7.2) 1
176	95.0 - 101.0 % of mass 174	77.7	(97.0) 1
177	5.0 - 9.0 % of mass 176	5.5	(7.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279459/3	N5567.D	12/12/2015	10:52
	MB 480-279401/2-A	N5571.D	12/12/2015	12:39
	LCS 480-279401/1-A	N5572.D	12/12/2015	13:06

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: N5593.D BFB Injection Date: 12/13/2015

Instrument ID: HP5973N BFB Injection Time: 09:07

Analysis Batch No.: 279500

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.1	
75	30.0 - 60.0 % of mass 95	49.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	84.3	
175	5.0 - 9.0 % of mass 174	6.6	(7.8) 1
176	95.0 - 101.0 % of mass 174	82.0	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279500/3	N5594.D	12/13/2015	09:29
B3-AREA2-S1	480-92213-1	N5611.D	12/13/2015	17:13
B4-AREA2-S1 DL	480-92213-3 DL	N5612.D	12/13/2015	17:39

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P1875.D BFB Injection Date: 12/02/2015

Instrument ID: HP5973P BFB Injection Time: 00:49

Analysis Batch No.: 277678

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.9	
75	30.0 - 60.0 % of mass 95	51.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.0	
175	5.0 - 9.0 % of mass 174	6.2	(7.6) 1
176	95.0 - 101.0 % of mass 174	79.8	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-277678/3	P1877.D	12/02/2015	01:45
	IC 480-277678/4	P1878.D	12/02/2015	02:13
	IC 480-277678/5	P1879.D	12/02/2015	02:40
	IC 480-277678/6	P1880.D	12/02/2015	03:07
	ICIS 480-277678/7	P1881.D	12/02/2015	03:34
	IC 480-277678/8	P1882.D	12/02/2015	04:01
	IC 480-277678/9	P1883.D	12/02/2015	04:29
	ICV 480-277678/21	P1895.D	12/02/2015	09:54

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2218.D BFB Injection Date: 12/10/2015

Instrument ID: HP5973P BFB Injection Time: 10:37

Analysis Batch No.: 279063

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	50.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.4	
175	5.0 - 9.0 % of mass 174	6.9	(8.0) 1
176	95.0 - 101.0 % of mass 174	85.5	(99.0) 1
177	5.0 - 9.0 % of mass 176	6.0	(7.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279063/3	P2219.D	12/10/2015	11:05
	LCS 480-279119/1-A	P2221.D	12/10/2015	12:20
	MB 480-279119/2-A	P2223.D	12/10/2015	13:14
B4-AREA2-S1	480-92213-3	P2235.D	12/10/2015	18:59

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2242.D BFB Injection Date: 12/10/2015

Instrument ID: HP5973P BFB Injection Time: 22:35

Analysis Batch No.: 279212

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.3	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	81.6	
175	5.0 - 9.0 % of mass 174	6.4	(7.8) 1
176	95.0 - 101.0 % of mass 174	78.3	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.7	(7.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279212/3	P2243.D	12/10/2015	23:06
	LCS 480-279229/1-A	P2245.D	12/11/2015	00:01
	MB 480-279229/2-A	P2247.D	12/11/2015	00:55
B3-AREA2-S2	480-92213-2	P2249.D	12/11/2015	02:22
B4-AREA2-S2	480-92213-4	P2251.D	12/11/2015	03:16
B4-AREA2-S3	480-92213-5	P2252.D	12/11/2015	03:43
B25-AREA2-S1	480-92213-6	P2253.D	12/11/2015	04:11
B25-AREA2-S3	480-92213-8	P2255.D	12/11/2015	05:05
B9-AREA2-S2	480-92213-14	P2261.D	12/11/2015	07:49
B9-AREA2-S2 MS	480-92213-14 MS	P2263.D	12/11/2015	08:44
B9-AREA2-S2 MSD	480-92213-14 MSD	P2264.D	12/11/2015	09:11

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2266.D BFB Injection Date: 12/11/2015

Instrument ID: HP5973P BFB Injection Time: 11:15

Analysis Batch No.: 279321

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.0	
75	30.0 - 60.0 % of mass 95	52.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.2	
175	5.0 - 9.0 % of mass 174	6.0	(7.4) 1
176	95.0 - 101.0 % of mass 174	78.2	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279321/3	P2267.D	12/11/2015	11:50
	LCS 480-279346/1-A	P2269.D	12/11/2015	13:00
	MB 480-279346/2-A	P2271.D	12/11/2015	14:58
B26-ARREA2-S1	480-92213-11	P2276.D	12/11/2015	17:34
B8-AREA2-S1	480-92213-12	P2277.D	12/11/2015	18:01
B9-AREA2-S1	480-92213-13	P2278.D	12/11/2015	18:28
B-AREA2-DUP1	480-92213-15	P2279.D	12/11/2015	18:56
B-AREA2-DUP1 MS	480-92213-15 MS	P2285.D	12/11/2015	21:39
B-AREA2-DUP1 MSD	480-92213-15 MSD	P2286.D	12/11/2015	22:06

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: P2288.D BFB Injection Date: 12/12/2015

Instrument ID: HP5973P BFB Injection Time: 07:12

Analysis Batch No.: 279446

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.6	
75	30.0 - 60.0 % of mass 95	50.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	50.0 - 120.00 % of mass 95	82.2	
175	5.0 - 9.0 % of mass 174	6.2	(7.6) 1
176	95.0 - 101.0 % of mass 174	80.1	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.6	(7.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279446/3	P2289.D	12/12/2015	07:42
	LCS 480-279448/1-A	P2291.D	12/12/2015	08:53
	MB 480-279448/2-A	P2293.D	12/12/2015	09:47
B25-AREA2-S2	480-92213-7	P2300.D	12/12/2015	13:13
B6-AREA2-S1	480-92213-9	P2301.D	12/12/2015	13:41
B6-AREA2-S2	480-92213-10	P2302.D	12/12/2015	14:08

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: S5792.D BFB Injection Date: 12/07/2015

Instrument ID: HP5973S BFB Injection Time: 13:03

Analysis Batch No.: 278464

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.6	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	5.8	(6.4) 1
176	95.0 - 101.0 % of mass 174	86.0	(95.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-278464/5	S5794.D	12/07/2015	13:52
	IC 480-278464/7	S5796.D	12/07/2015	14:38
	IC 480-278464/8	S5797.D	12/07/2015	15:01
	ICIS 480-278464/9	S5798.D	12/07/2015	15:24
	IC 480-278464/10	S5799.D	12/07/2015	15:47
	IC 480-278464/11	S5800.D	12/07/2015	16:09
	IC 480-278464/13	S5802.D	12/07/2015	16:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab File ID: S6159.D BFB Injection Date: 12/16/2015

Instrument ID: HP5973S BFB Injection Time: 21:01

Analysis Batch No.: 280176

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	30.7	
75	30.0 - 60.0 % of mass 95	52.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	79.3	
175	5.0 - 9.0 % of mass 174	6.8	(8.6) 1
176	95.0 - 101.0 % of mass 174	75.6	(95.2) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280176/3	S6160.D	12/16/2015	21:40
	LCS 480-280169/1-A	S6163.D	12/16/2015	23:36
	MB 480-280169/2-A	S6201.D	12/17/2015	01:07
B25-AREA2-S1 DL	480-92213-6 DL	S6207.D	12/17/2015	03:25

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: ICIS 480-279331/9 Date Analyzed: 12/11/2015 16:49

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C59586.D Heated Purge: (Y/N) N

Calibration ID: 25794

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		123769	9.37	261294	11.78	255093	13.78
UPPER LIMIT		247538	9.87	522588	12.28	510186	14.28
LOWER LIMIT		61885	8.87	130647	11.28	127547	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-280006/2		124448	9.37	270671	11.78	259513	13.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-280006/2 Date Analyzed: 12/16/2015 10:01

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C59691.D Heated Purge: (Y/N) N

Calibration ID: 25797

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		124448	9.37	270671	11.78	259513	13.78
UPPER LIMIT		248896	9.87	541342	12.28	519026	14.28
LOWER LIMIT		62224	8.87	135336	11.28	129757	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-280006/4		121114	9.37	268164	11.78	262326	13.78
MB 480-280006/6		121933	9.37	263621	11.78	247389	13.78
480-92213-16	SB-RINSEBLANK2	117530	9.37	254713	11.78	237753	13.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: ICIS 480-278176/8 Date Analyzed: 12/04/2015 14:45

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): N5259.D Heated Purge: (Y/N) N

Calibration ID: 25724

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		120213	5.60	444287	8.60	221935	10.97
UPPER LIMIT		240426	6.10	888574	9.10	443870	11.47
LOWER LIMIT		60107	5.10	222144	8.10	110968	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-279459/3		121253	5.60	442091	8.60	222288	10.97
CCVIS 480-279500/3		126380	5.60	474315	8.60	233549	10.97

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-279459/3 Date Analyzed: 12/12/2015 10:52

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): N5567.D Heated Purge: (Y/N) N

Calibration ID: 25726

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		121253	5.60	442091	8.60	222288	10.97
UPPER LIMIT		242506	6.10	884182	9.10	444576	11.47
LOWER LIMIT		60627	5.10	221046	8.10	111144	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-279401/2-A		112947	5.60	412331	8.60	194745	10.97
LCS 480-279401/1-A		133632	5.60	493321	8.60	244723	10.97

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-279500/3 Date Analyzed: 12/13/2015 09:29

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): N5594.D Heated Purge: (Y/N) N

Calibration ID: 25726

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		126380	5.60	474315	8.60	233549	10.97
UPPER LIMIT		252760	6.10	948630	9.10	467098	11.47
LOWER LIMIT		63190	5.10	237158	8.10	116775	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-92213-1	B3-AREA2-S1	115370	5.60	421479	8.60	206748	10.97
480-92213-3 DL	B4-AREA2-S1 DL	118853	5.60	418740	8.60	208514	10.97

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: ICIS 480-277678/7 Date Analyzed: 12/02/2015 03:34

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P1881.D Heated Purge: (Y/N) Y

Calibration ID: 25715

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		450081	9.90	946915	13.84	877240	16.83
UPPER LIMIT		900162	10.40	1893830	14.34	1754480	17.33
LOWER LIMIT		225041	9.40	473458	13.34	438620	16.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-277678/21		464673	9.91	957178	13.84	876610	16.83
CCVIS 480-279063/3		331236	9.89	682657	13.84	627765	16.82
CCVIS 480-279212/3		295287	9.89	605814	13.84	541983	16.82
CCVIS 480-279321/3		285590	9.90	585389	13.84	541193	16.82
CCVIS 480-279446/3		311254	9.89	628331	13.84	582183	16.82

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-279063/3 Date Analyzed: 12/10/2015 11:05

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2219.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		331236	9.89	682657	13.84	627765	16.82
UPPER LIMIT		662472	10.39	1365314	14.34	1255530	17.32
LOWER LIMIT		165618	9.39	341329	13.34	313883	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279119/1-A		332460	9.90	679891	13.84	618551	16.83
MB 480-279119/2-A		317993	9.90	647994	13.84	629924	16.83
480-92213-3	B4-AREA2-S1	336014	9.90	666864	13.84	581436	16.82

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-279212/3 Date Analyzed: 12/10/2015 23:06

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2243.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		295287	9.89	605814	13.84	541983	16.82
UPPER LIMIT		590574	10.39	1211628	14.34	1083966	17.32
LOWER LIMIT		147644	9.39	302907	13.34	270992	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279229/1-A		316354	9.90	643481	13.84	586805	16.82
MB 480-279229/2-A		303168	9.90	608973	13.84	595131	16.83
480-92213-2	B3-AREA2-S2	170272	9.90	133613*	13.84	54958*	16.83
480-92213-4	B4-AREA2-S2	250999	9.90	430893	13.84	317577	16.83
480-92213-5	B4-AREA2-S3	240416	9.90	432082	13.84	272936	16.83
480-92213-6	B25-AREA2-S1	287537	9.90	570932	13.84	394427	16.83
480-92213-8	B25-AREA2-S3	256575	9.90	430328	13.84	288687	16.83
480-92213-14	B9-AREA2-S2	205598	9.91	277862*	13.84	129564*	16.82
480-92213-14 MS	B9-AREA2-S2 MS	240851	9.90	380892	13.84	183383*	16.82
480-92213-14 MSD	B9-AREA2-S2 MSD	259320	9.90	470044	13.84	352121	16.83

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-279321/3 Date Analyzed: 12/11/2015 11:50

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2267.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		285590	9.90	585389	13.84	541193	16.82
UPPER LIMIT		571180	10.40	1170778	14.34	1082386	17.32
LOWER LIMIT		142795	9.40	292695	13.34	270597	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279346/1-A		314692	9.90	649724	13.84	586097	16.83
MB 480-279346/2-A		288250	9.89	572712	13.84	556681	16.82
480-92213-11	B26-ARREA2-S1	252421	9.90	364528	13.84	183255*	16.83
480-92213-12	B8-AREA2-S1	223471	9.90	277724*	13.84	87772*	16.82
480-92213-13	B9-AREA2-S1	261876	9.90	503588	13.84	363475	16.82
480-92213-15	B-AREA2-DUP1	171862	9.90	156204*	13.84	50776*	16.83
480-92213-15 MS	B-AREA2-DUP1 MS	279820	9.90	405773	13.84	154629*	16.83
480-92213-15 MSD	B-AREA2-DUP1 MSD	271866	9.90	373013	13.84	123143*	16.83

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-279446/3 Date Analyzed: 12/12/2015 07:42

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2289.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		311254	9.89	628331	13.84	582183	16.82
UPPER LIMIT		622508	10.39	1256662	14.34	1164366	17.32
LOWER LIMIT		155627	9.39	314166	13.34	291092	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279448/1-A		323580	9.90	656077	13.84	605578	16.82
MB 480-279448/2-A		301503	9.90	607700	13.84	598928	16.82
480-92213-7	B25-AREA2-S2	231784	9.90	294581*	13.84	104156*	16.82
480-92213-9	B6-AREA2-S1	246953	9.90	332288	13.84	121626*	16.82
480-92213-10	B6-AREA2-S2	203426	9.90	220990*	13.84	73564*	16.83

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: ICIS 480-278464/9 Date Analyzed: 12/07/2015 15:24

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S5798.D Heated Purge: (Y/N) N

Calibration ID: 25734

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		141293	5.40	315294	8.40	325064	10.78
UPPER LIMIT		282586	5.90	630588	8.90	650128	11.28
LOWER LIMIT		70647	4.90	157647	7.90	162532	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-280176/3		114548	5.40	228924	8.39	215393	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Sample No.: CCVIS 480-280176/3 Date Analyzed: 12/16/2015 21:40

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6160.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		114548	5.40	228924	8.39	215393	10.78
UPPER LIMIT		229096	5.90	457848	8.89	430786	11.28
LOWER LIMIT		57274	4.90	114462	7.89	107697	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-280169/1-A		115614	5.40	231958	8.39	214237	10.78
MB 480-280169/2-A		114096	5.40	231145	8.39	217022	10.78
480-92213-6 DL	B25-AREA2-S1 DL	114061	5.40	238536	8.39	220095	10.78

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B3-AREA2-S1 | Lab Sample ID: 480-92213-1

Matrix: Solid | Lab File ID: N5611.D

Analysis Method: 8260C | Date Collected: 12/02/2015 14:30

Sample wt/vol: 5(g) | Date Analyzed: 12/13/2015 17:13

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 8

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Medium

Analysis Batch No.: 279500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		890	250
79-34-5	1,1,2,2-Tetrachloroethane	ND		890	140
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		890	450
79-00-5	1,1,2-Trichloroethane	ND		890	190
75-34-3	1,1-Dichloroethane	ND		890	280
75-35-4	1,1-Dichloroethene	ND		890	310
120-82-1	1,2,4-Trichlorobenzene	ND		890	340
96-12-8	1,2-Dibromo-3-Chloropropane	ND		890	450
106-93-4	1,2-Dibromoethane	ND		890	160
95-50-1	1,2-Dichlorobenzene	ND		890	230
107-06-2	1,2-Dichloroethane	ND		890	360
78-87-5	1,2-Dichloropropane	ND		890	140
541-73-1	1,3-Dichlorobenzene	ND		890	240
106-46-7	1,4-Dichlorobenzene	ND		890	120
78-93-3	2-Butanone (MEK)	ND		4500	2600
591-78-6	2-Hexanone	ND		4500	1800
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4500	280
67-64-1	Acetone	ND		4500	3700
71-43-2	Benzene	ND		890	170
75-27-4	Bromodichloromethane	ND		890	180
75-25-2	Bromoform	ND		890	450
74-83-9	Bromomethane	ND		890	200
75-15-0	Carbon disulfide	ND		890	410
56-23-5	Carbon tetrachloride	ND		890	230
108-90-7	Chlorobenzene	ND		890	120
75-00-3	Chloroethane	ND		890	190
67-66-3	Chloroform	ND		890	610
74-87-3	Chloromethane	ND		890	210
156-59-2	cis-1,2-Dichloroethene	ND		890	250
10061-01-5	cis-1,3-Dichloropropene	ND		890	210
110-82-7	Cyclohexane	ND		890	200
124-48-1	Dibromochloromethane	ND		890	430
75-71-8	Dichlorodifluoromethane	ND		890	390
100-41-4	Ethylbenzene	4300		890	260
98-82-8	Isopropylbenzene	ND		890	130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B3-AREA2-S1 | Lab Sample ID: 480-92213-1

Matrix: Solid | Lab File ID: N5611.D

Analysis Method: 8260C | Date Collected: 12/02/2015 14:30

Sample wt/vol: 5(g) | Date Analyzed: 12/13/2015 17:13

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 8

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Medium

Analysis Batch No.: 279500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		890	420
1634-04-4	Methyl tert-butyl ether	ND		890	340
108-87-2	Methylcyclohexane	ND		890	420
75-09-2	Methylene Chloride	ND		890	180
100-42-5	Styrene	ND		890	210
127-18-4	Tetrachloroethene	53000		890	120
108-88-3	Toluene	310	J	890	240
156-60-5	trans-1,2-Dichloroethene	ND		890	210
10061-02-6	trans-1,3-Dichloropropene	ND		890	88
79-01-6	Trichloroethene	360	J	890	250
75-69-4	Trichlorofluoromethane	ND		890	420
75-01-4	Vinyl chloride	ND		890	300
1330-20-7	Xylenes, Total	23000		1800	490

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
2037-26-5	Toluene-d8 (Surr)	92		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D
Lims ID: 480-92213-A-1-B Lab Sample ID: 480-92213-1
Client ID: B3-AREA2-S1
Sample Type: Client
Inject. Date: 13-Dec-2015 17:13:30 ALS Bottle#: 74 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-92213-A-1-B
Misc. Info.: 480-0049188-020
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 10:52:26 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 10:52:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	115370	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	421479	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	206748	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	157857	23.6	
$ 6 Toluene-d8 (Surr)	98	7.114	7.113	0.001	93	416387	23.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	128562	23.7	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.541				ND	
14 Vinyl chloride	62		1.644				ND	
15 Bromomethane	94		1.973				ND	
16 Chloroethane	64		2.076				ND	
18 Trichlorofluoromethane	101		2.301				ND	
22 1,1-Dichloroethene	96		2.818				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.831				ND	
23 Acetone	43		2.916				ND	
25 Carbon disulfide	76		3.019				ND	
28 Methyl acetate	43		3.226				ND	
30 Methylene Chloride	84		3.329				ND	
32 Methyl tert-butyl ether	73		3.554				ND	
33 trans-1,2-Dichloroethene	96		3.567				ND	
36 1,1-Dichloroethane	63		3.980				ND	
43 cis-1,2-Dichloroethene	96		4.534				ND	
44 2-Butanone (MEK)	43		4.558				ND	
50 Chloroform	83		4.844				ND	
51 1,1,1-Trichloroethane	97		4.978				ND	
52 Cyclohexane	56		5.002				ND	
53 Carbon tetrachloride	117		5.124				ND	
55 Benzene	78		5.331				ND	
57 1,2-Dichloroethane	62		5.380				ND	
60 Trichloroethene	95	5.952	5.945	0.007	88	2548	0.4069	
62 Methylcyclohexane	83		6.079				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.170				ND	
67 Dichlorobromomethane	83		6.456				ND	
71 cis-1,3-Dichloropropene	75		6.882				ND	
72 4-Methyl-2-pentanone (MIBK	58		7.016				ND	
73 Toluene	92	7.180	7.180	0.000	94	5251	0.3495	
75 trans-1,3-Dichloropropene	75		7.442				ND	
78 1,1,2-Trichloroethane	83		7.630				ND	
79 Tetrachloroethene	166	7.722	7.722	0.000	95	417911	60.0	
82 2-Hexanone	43		7.862				ND	
83 Chlorodibromomethane	129		8.032				ND	
84 Ethylene Dibromide	107		8.141				ND	
85 Chlorobenzene	112		8.628				ND	
88 Ethylbenzene	91	8.726	8.726	0.000	98	132917	4.87	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	239475	21.8	
91 o-Xylene	106	9.273	9.273	0.000	98	45847	4.23	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.535				ND	
95 Isopropylbenzene	105		9.656				ND	
98 1,1,2,2-Tetrachloroethane	83		10.021				ND	
110 1,3-Dichlorobenzene	146		10.910				ND	
113 1,4-Dichlorobenzene	146		10.995				ND	
116 1,2-Dichlorobenzene	146		11.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 126 Xylenes, Total	1				0		26.1	

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

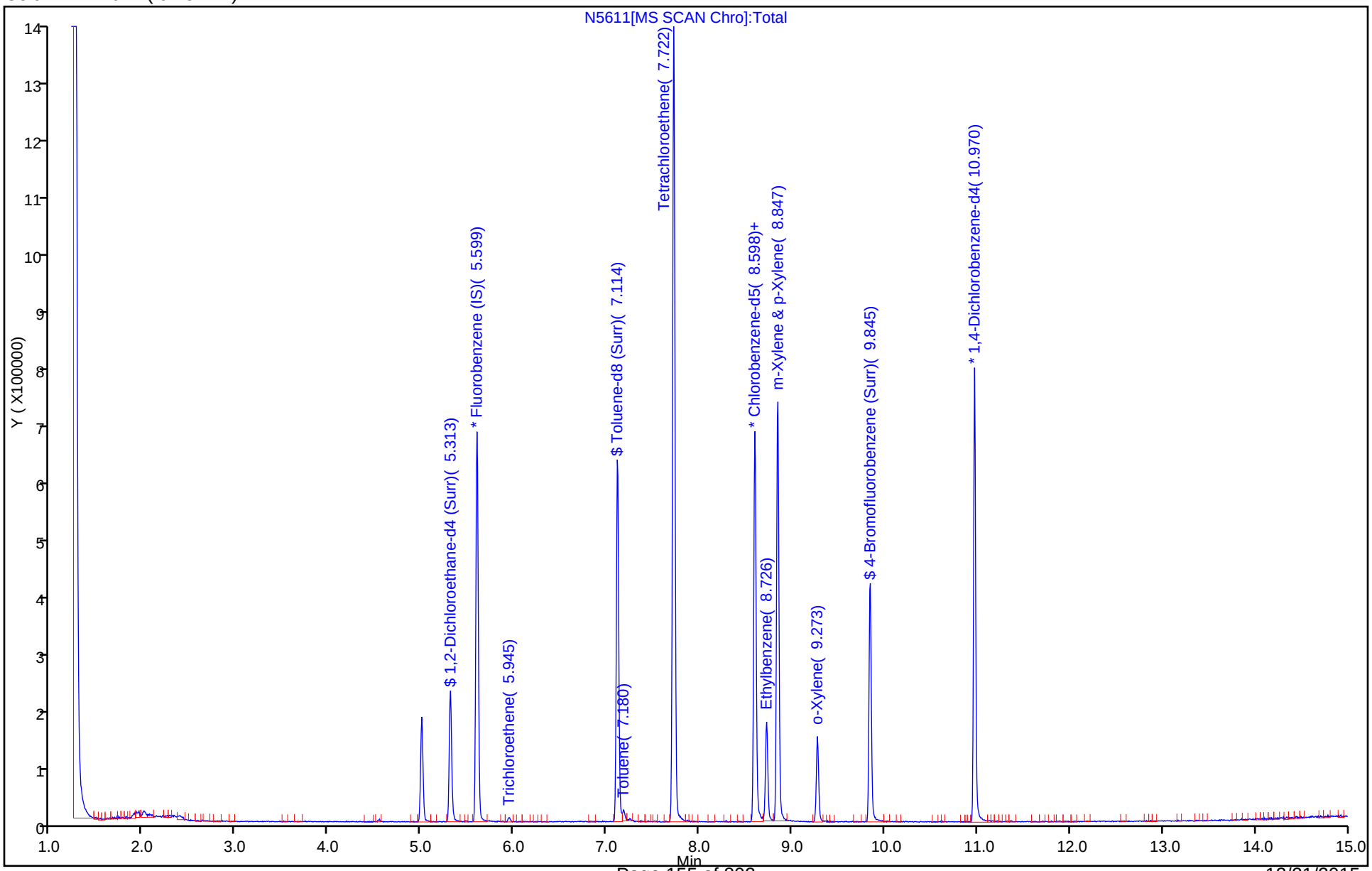
Report Date: 14-Dec-2015 10:52:27 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D

Injection Date:	13-Dec-2015 17:13:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-92213-A-1-B	Lab Sample ID:	480-92213-1	Worklist Smp#:	20
Client ID:	B3-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	74
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

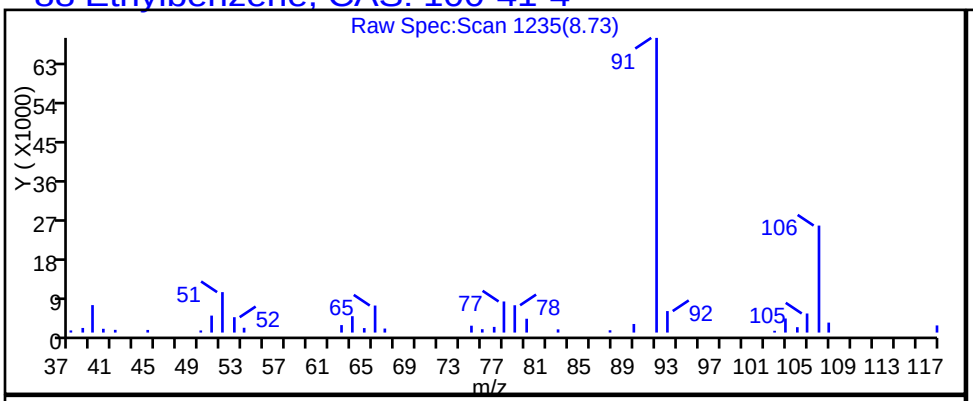


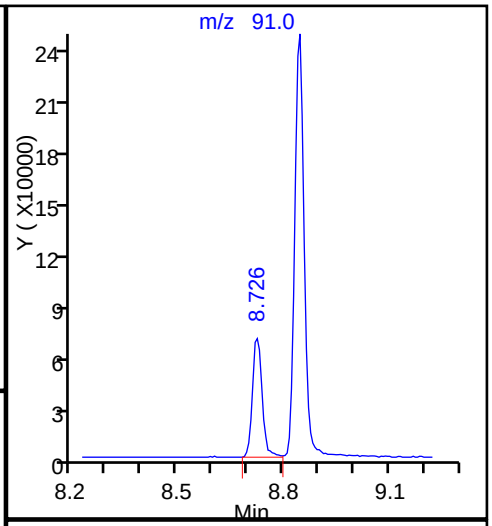
TestAmerica Buffalo

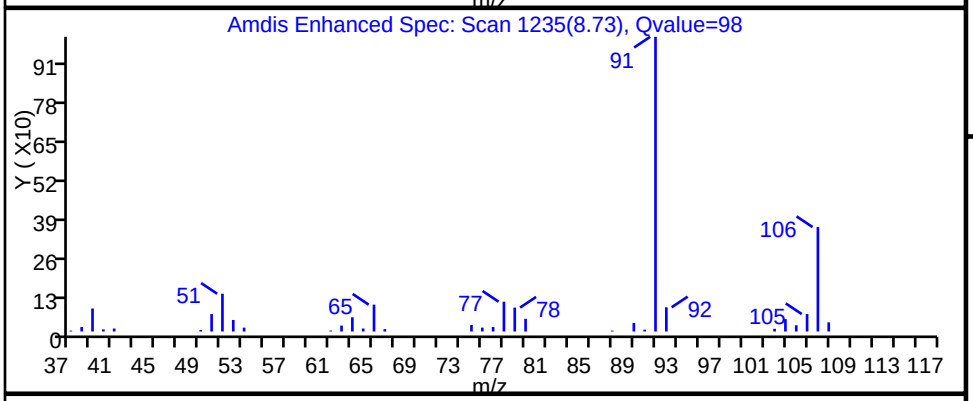
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D

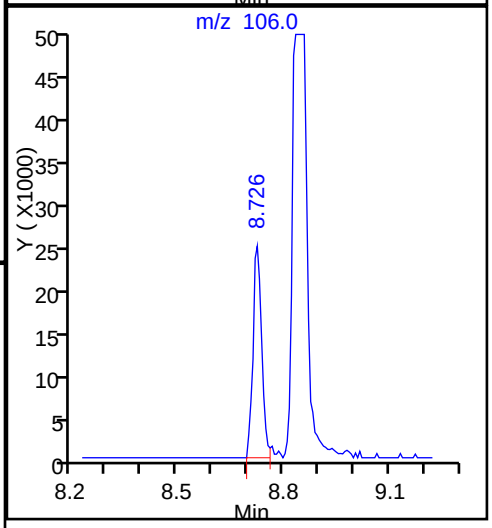
Injection Date:	13-Dec-2015 17:13:30	Instrument ID:	HP5973N
Lims ID:	480-92213-A-1-B	Lab Sample ID:	480-92213-1
Client ID:	B3-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	74 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

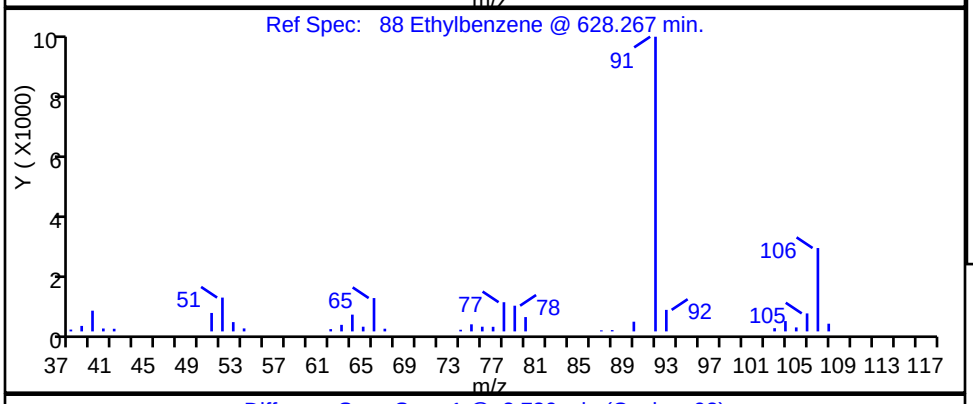
88 Ethylbenzene, CAS: 100-41-4

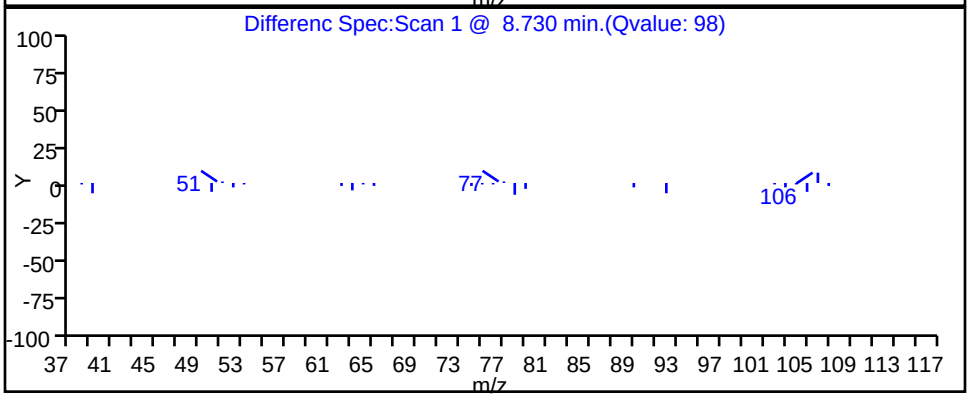










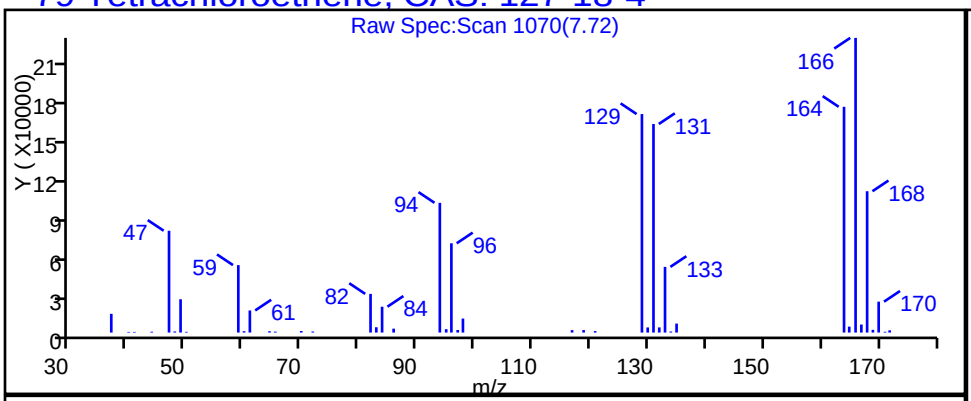


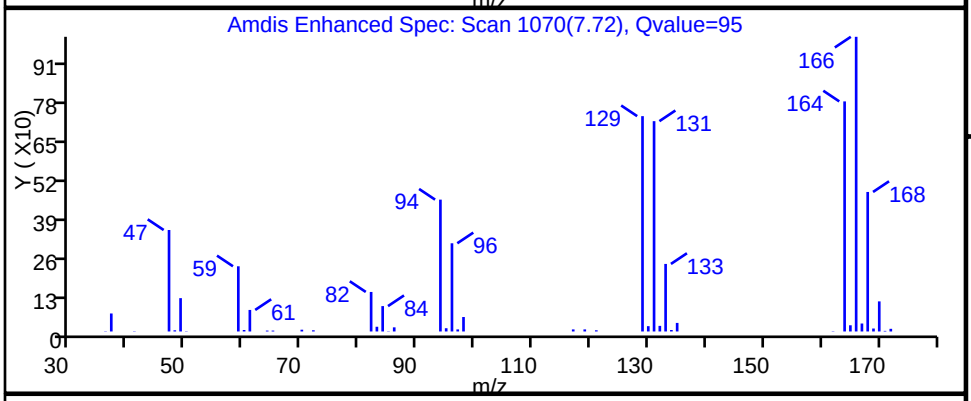
TestAmerica Buffalo

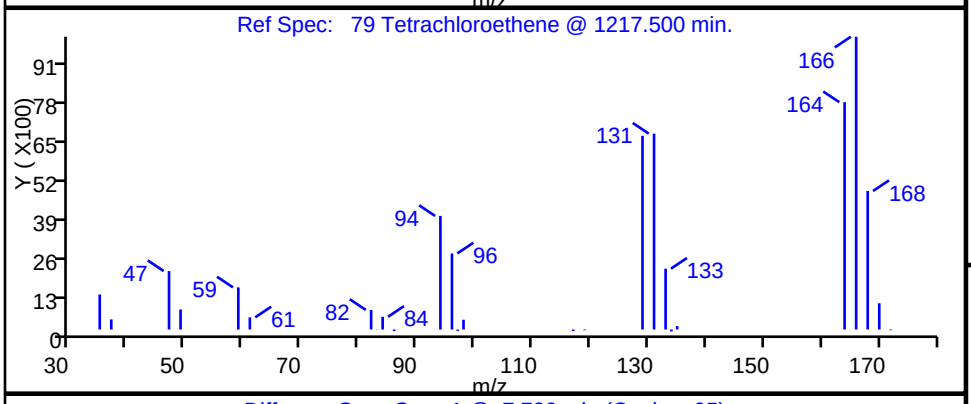
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D

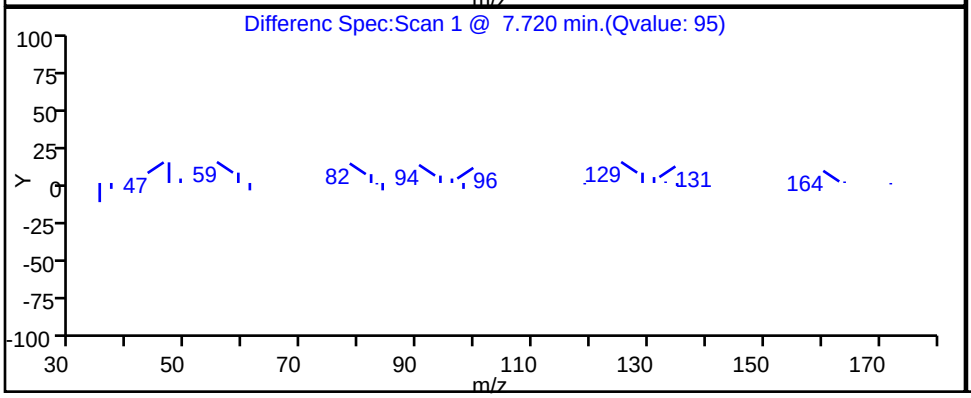
Injection Date:	13-Dec-2015 17:13:30	Instrument ID:	HP5973N		
Lims ID:	480-92213-A-1-B	Lab Sample ID:	480-92213-1		
Client ID:	B3-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	74	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

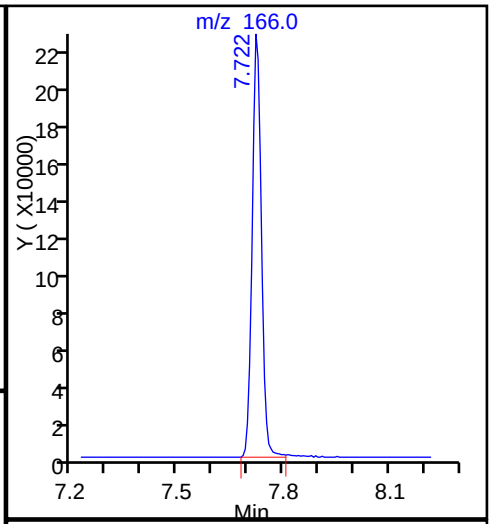
79 Tetrachloroethene, CAS: 127-18-4

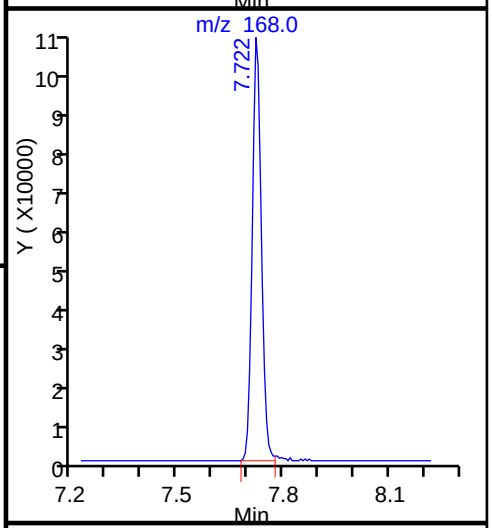


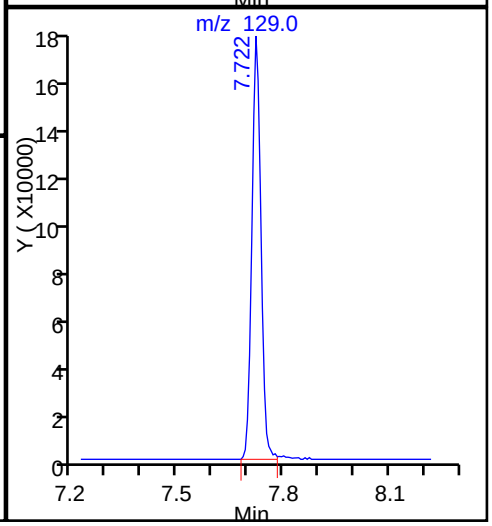










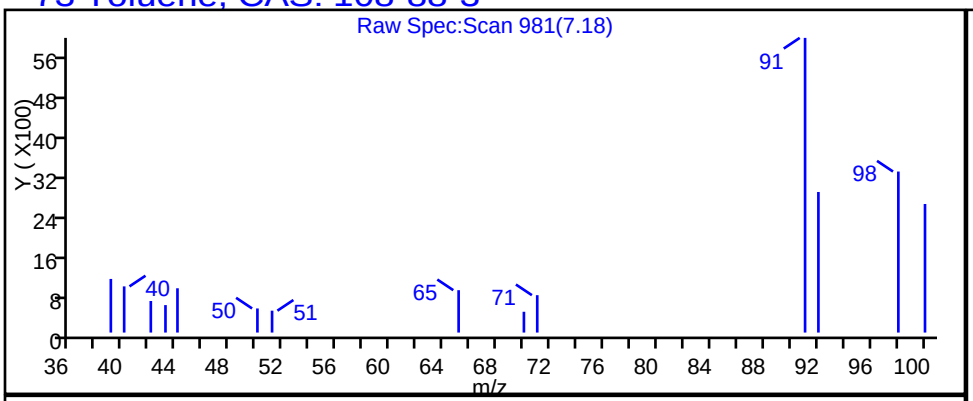


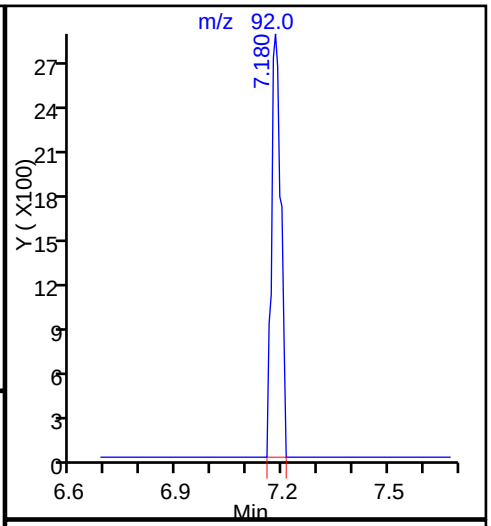
TestAmerica Buffalo

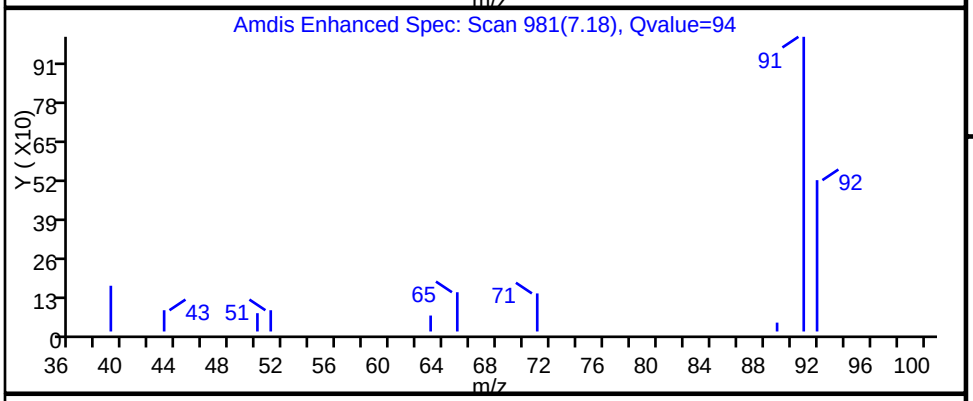
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D

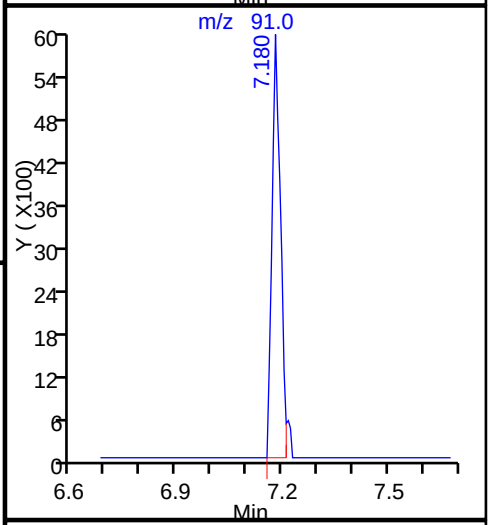
Injection Date:	13-Dec-2015 17:13:30	Instrument ID:	HP5973N		
Lims ID:	480-92213-A-1-B	Lab Sample ID:	480-92213-1		
Client ID:	B3-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	74	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

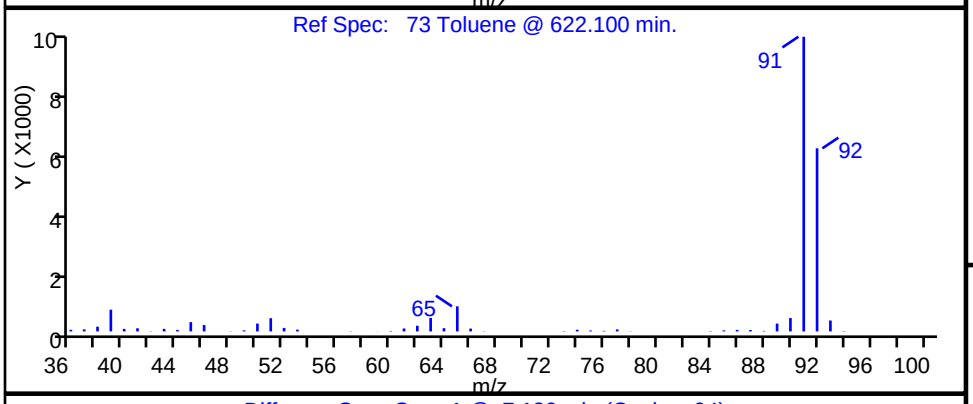
73 Toluene, CAS: 108-88-3

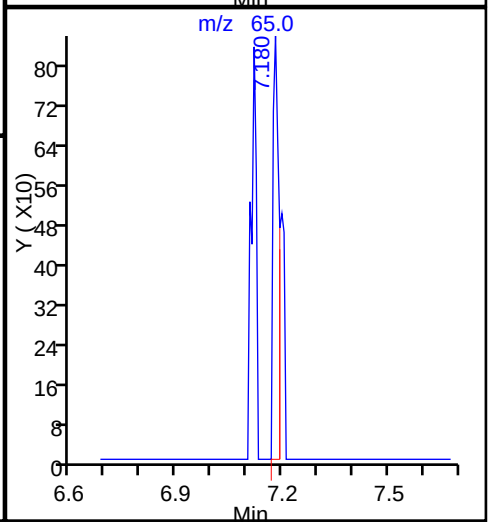


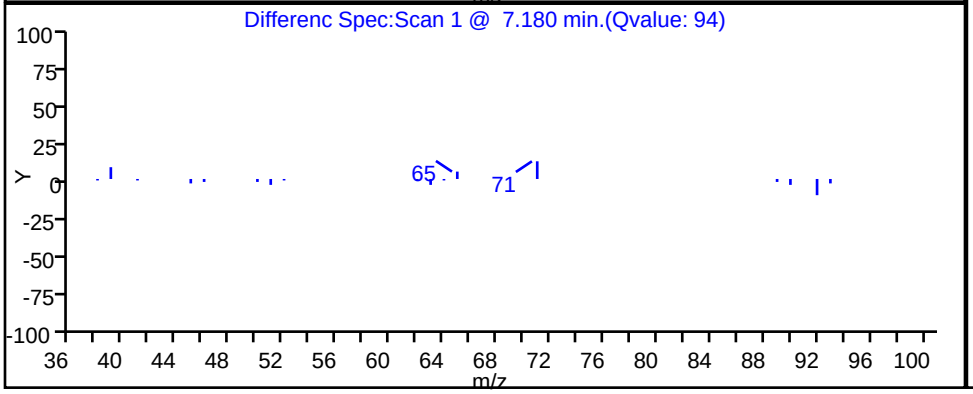










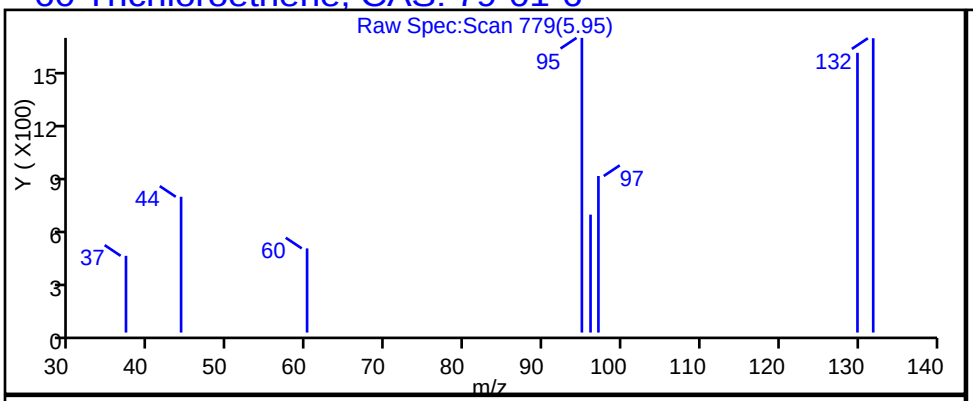


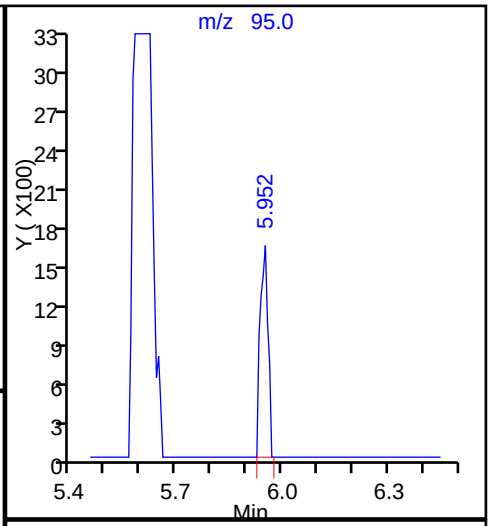
TestAmerica Buffalo

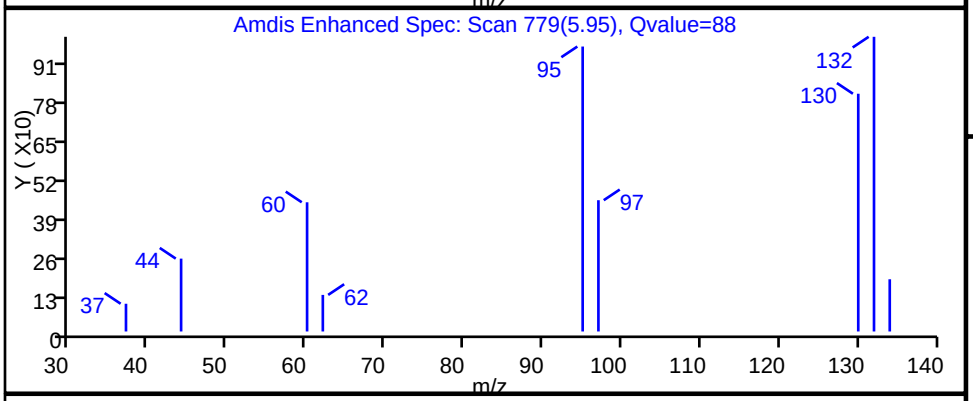
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D

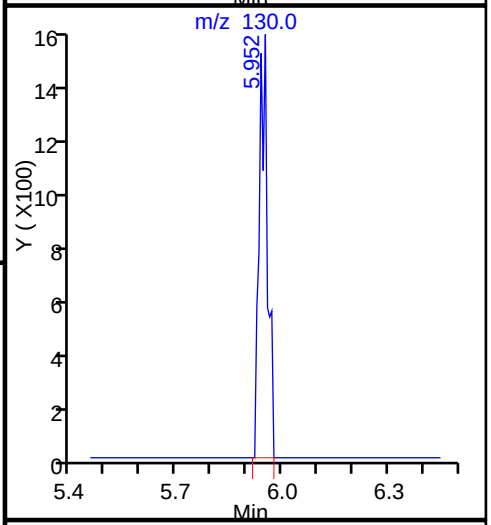
Injection Date:	13-Dec-2015 17:13:30	Instrument ID:	HP5973N		
Lims ID:	480-92213-A-1-B	Lab Sample ID:	480-92213-1		
Client ID:	B3-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	74	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

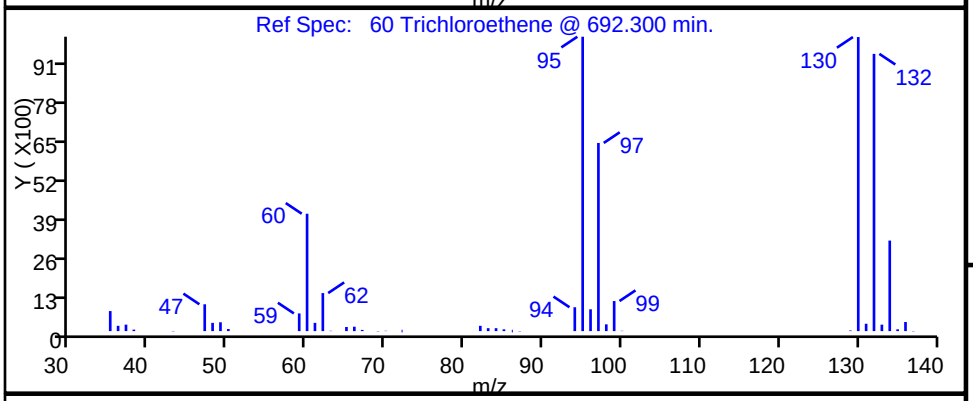
60 Trichloroethene, CAS: 79-01-6

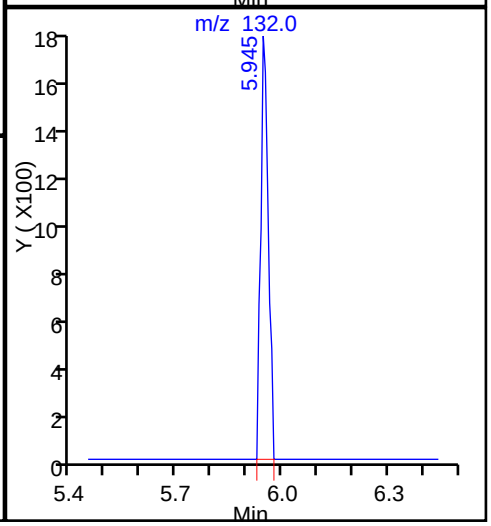


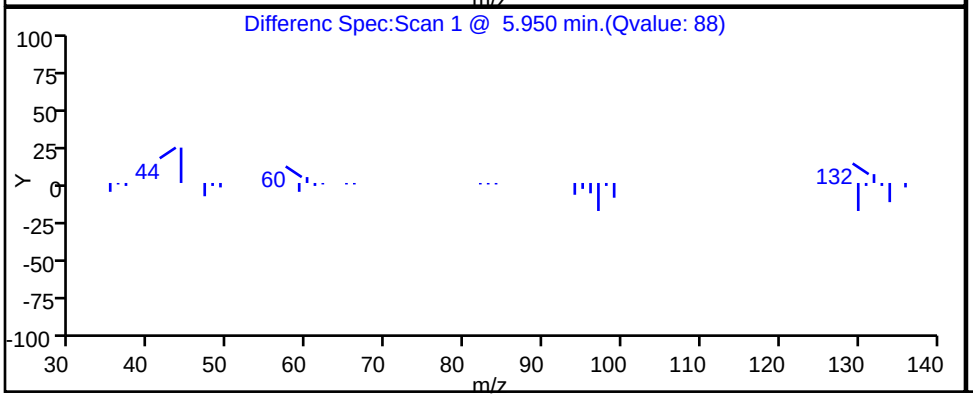










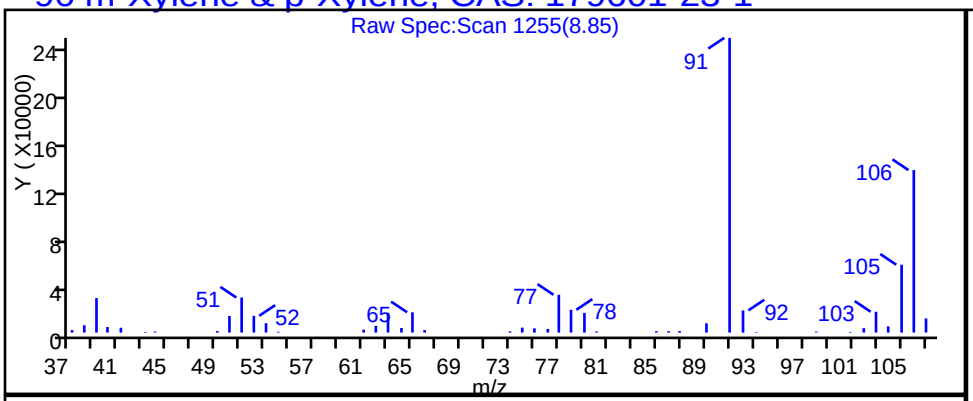


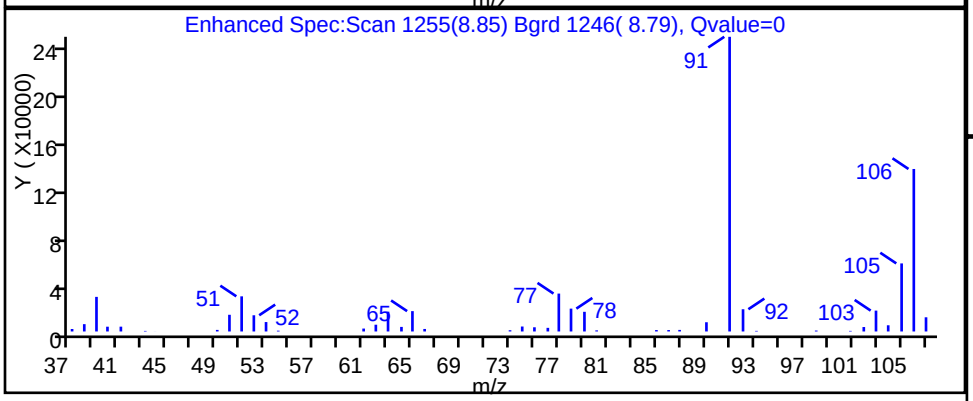
TestAmerica Buffalo

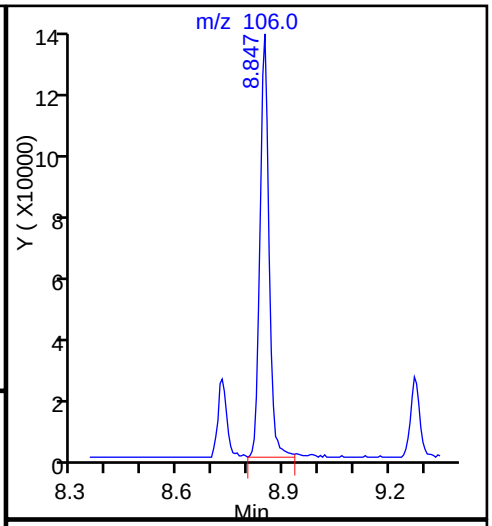
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D

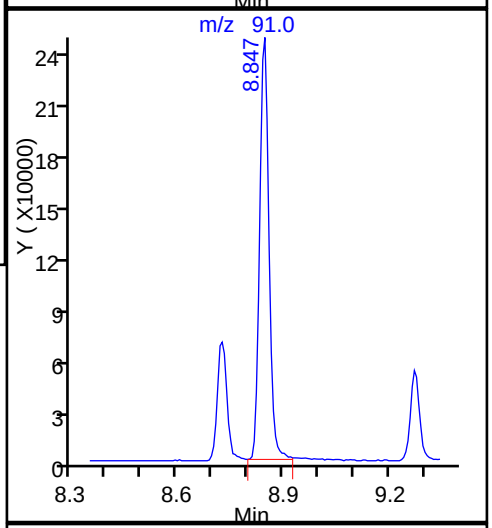
Injection Date:	13-Dec-2015 17:13:30	Instrument ID:	HP5973N		
Lims ID:	480-92213-A-1-B	Lab Sample ID:	480-92213-1		
Client ID:	B3-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	74	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

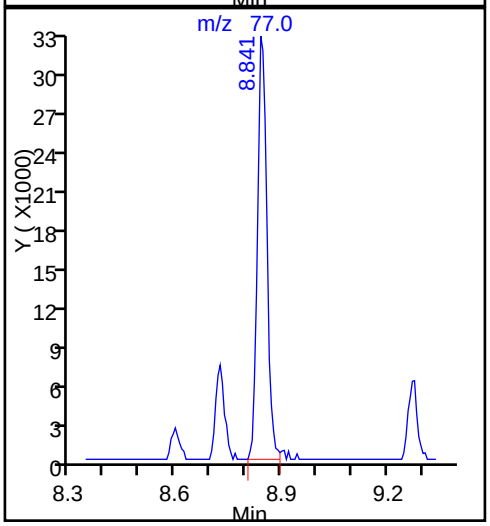
90 m-Xylene & p-Xylene, CAS: 179601-23-1









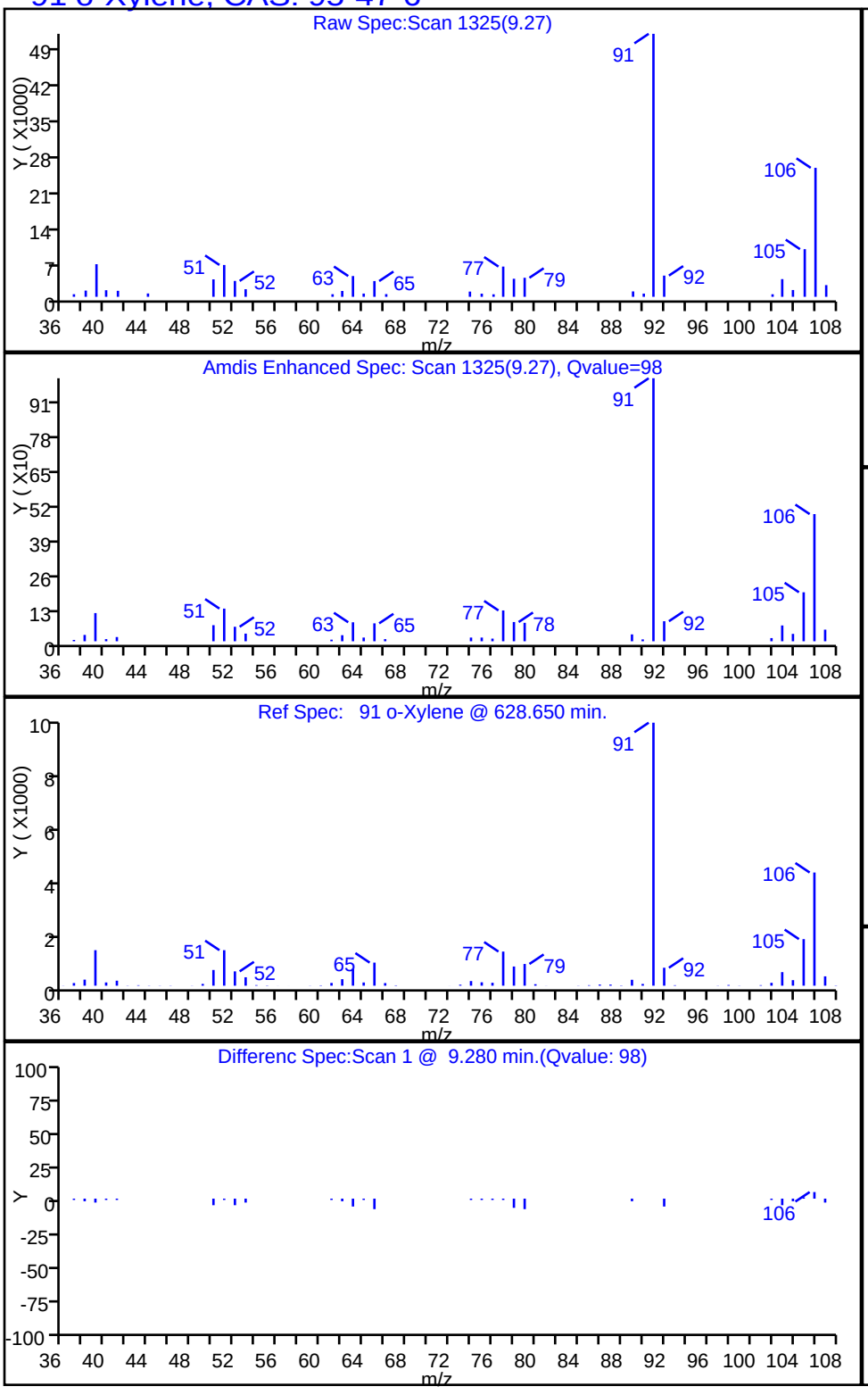


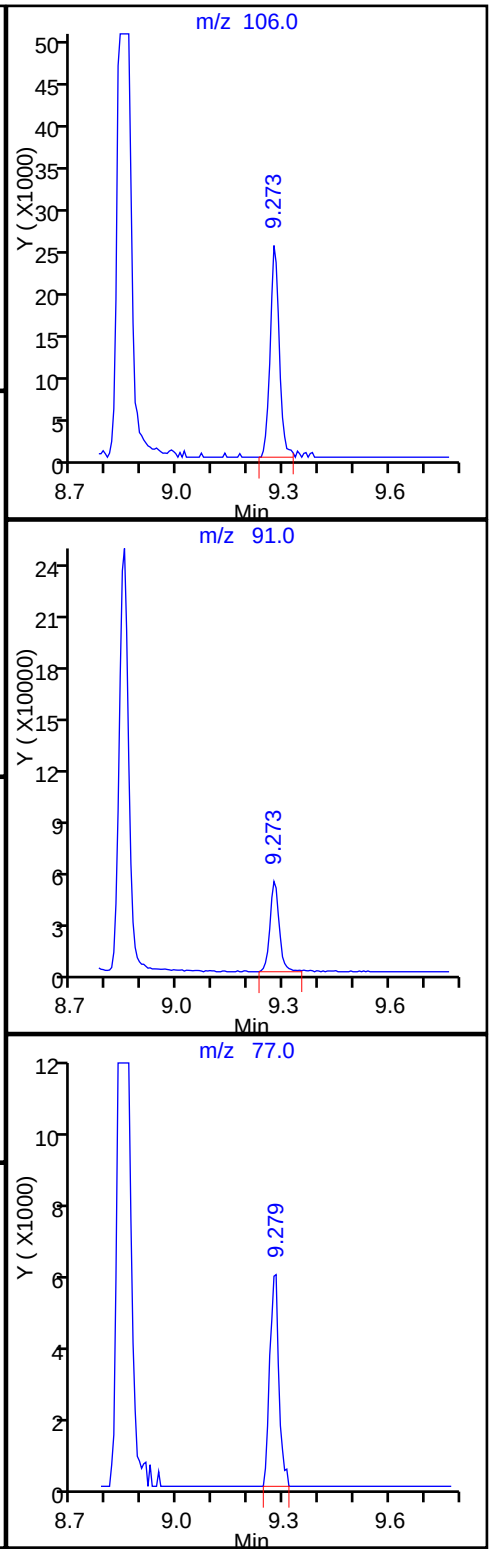
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5611.D

Injection Date:	13-Dec-2015 17:13:30	Instrument ID:	HP5973N		
Lims ID:	480-92213-A-1-B	Lab Sample ID:	480-92213-1		
Client ID:	B3-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	74	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B3-AREA2-S2 | Lab Sample ID: 480-92213-2

Matrix: Solid | Lab File ID: P2249.D

Analysis Method: 8260C | Date Collected: 12/02/2015 14:40

Sample wt/vol: 5.23(g) | Date Analyzed: 12/11/2015 02:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.67
75-34-3	1,1-Dichloroethane	ND		5.2	0.63
75-35-4	1,1-Dichloroethene	ND		5.2	0.63
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.66
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.40
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.72
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	5.5	J B	26	4.4
71-43-2	Benzene	ND		5.2	0.25
75-27-4	Bromodichloromethane	ND		5.2	0.69
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.50
108-90-7	Chlorobenzene	ND	*	5.2	0.68
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.31
156-59-2	cis-1,2-Dichloroethene	3.4	J	5.2	0.66
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.72
124-48-1	Dibromochloromethane	ND	*	5.2	0.66
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B3-AREA2-S2 | Lab Sample ID: 480-92213-2

Matrix: Solid | Lab File ID: P2249.D

Analysis Method: 8260C | Date Collected: 12/02/2015 14:40

Sample wt/vol: 5.23(g) | Date Analyzed: 12/11/2015 02:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	3.7	J	5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	22	*	5.2	0.69
108-88-3	Toluene	0.66	J *	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.53
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	1.9	J	5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.63
1330-20-7	Xylenes, Total	ND		10	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		64-126
460-00-4	4-Bromofluorobenzene (Surr)	37	* X	72-126
2037-26-5	Toluene-d8 (Surr)	128	* X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D
Lims ID: 480-92213-A-2-B Lab Sample ID: 480-92213-2
Client ID: B3-AREA2-S2
Sample Type: Client
Inject. Date: 11-Dec-2015 02:22:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-2-B
Misc. Info.: 480-0049138-009
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 10:53:55 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 10:56:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	170272	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	133613	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.830	-0.001	97	54958	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	159809	60.7	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	373436	63.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	87	37738	18.5	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.346				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	98	10332	5.29	M
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.773				ND	
31 Methylene Chloride	84	6.986	6.986	0.000	94	29003	3.53	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	84	17027	3.28	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.363	10.350	0.013	94	9469	1.86	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	94	3025	0.6375	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	90	39365	21.6	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	96	1874	0.5376	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.340				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1				0		0.5376	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

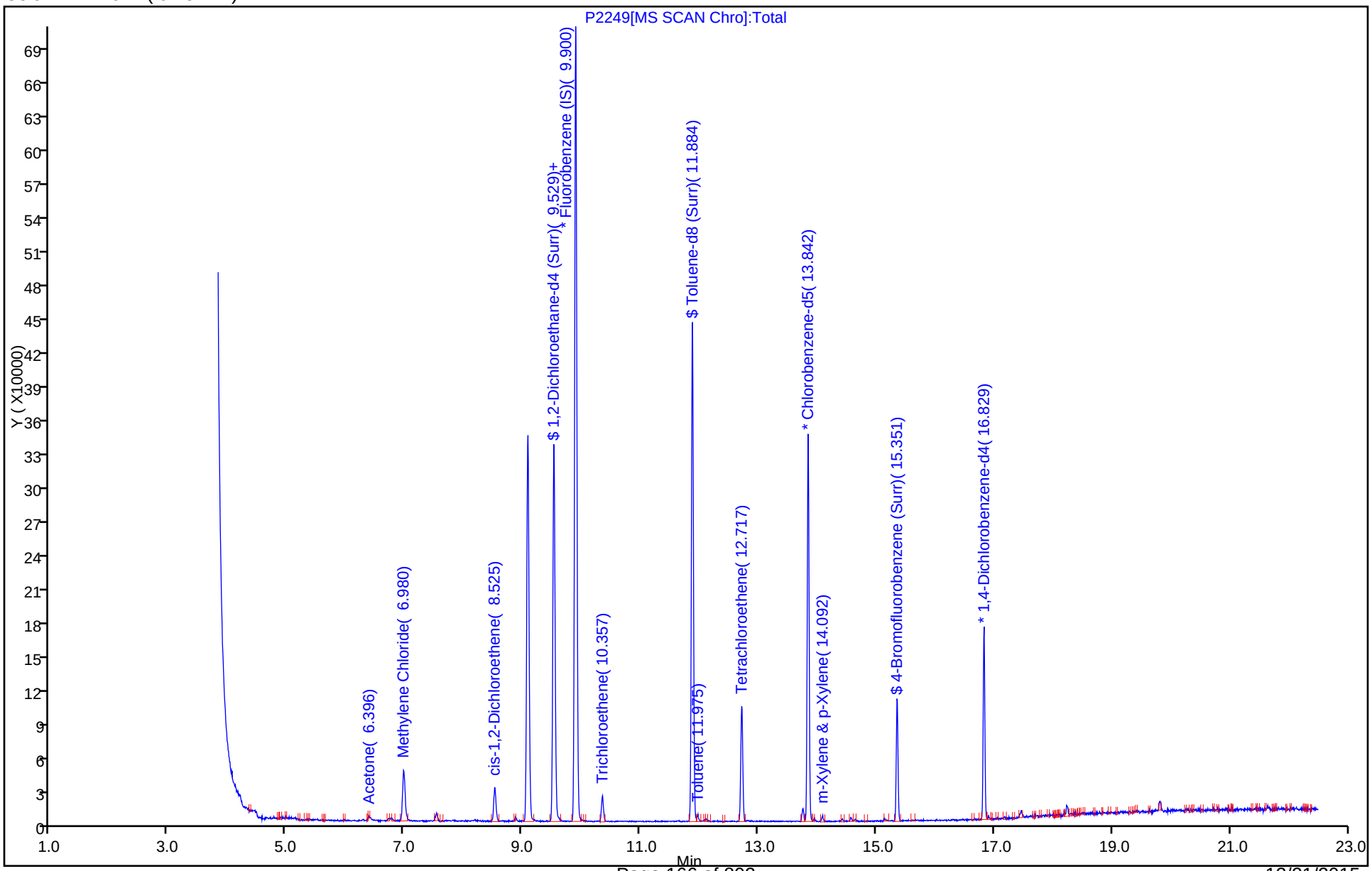
Report Date: 11-Dec-2015 10:56:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D

Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2	Worklist Smp#:	9
Client ID:	B3-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

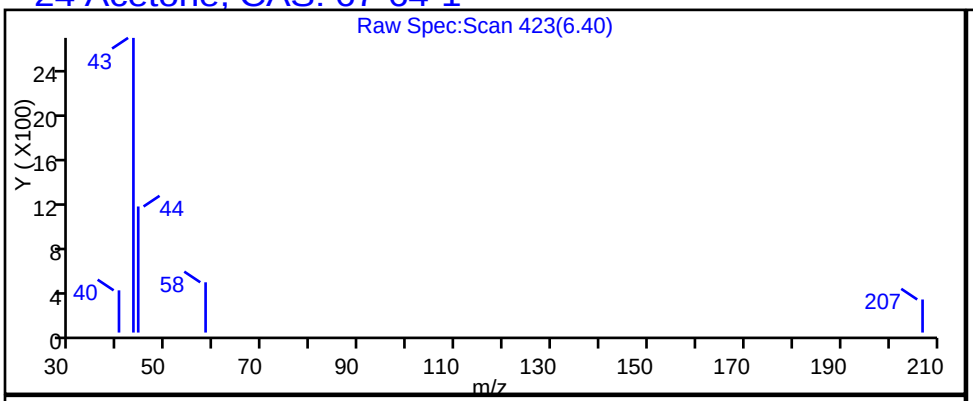
Column: ZB-624 (0.25 mm)

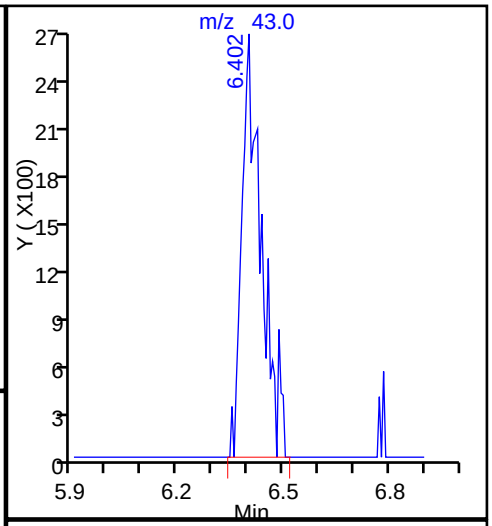


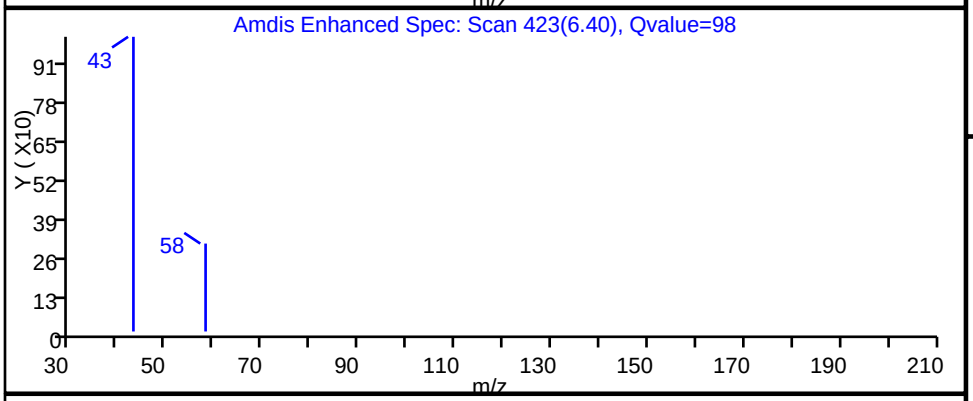
TestAmerica Buffalo

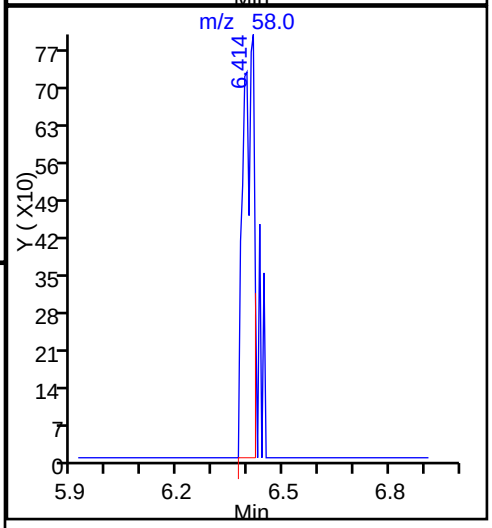
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D				
Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2		
Client ID:	B3-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

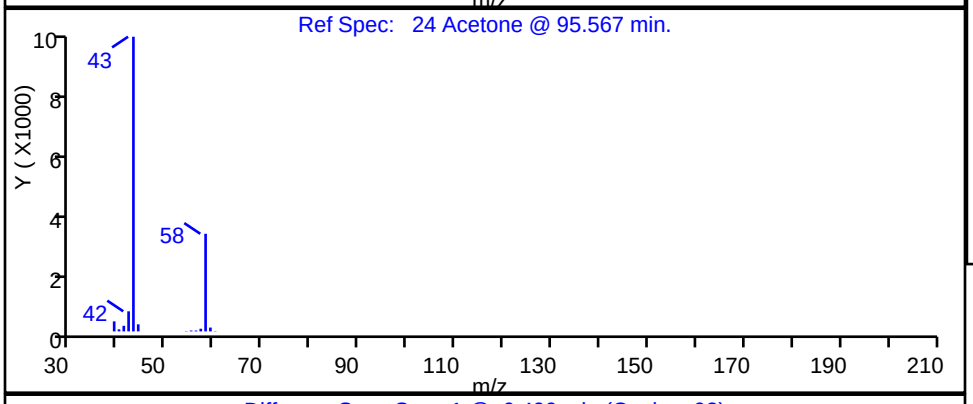
24 Acetone, CAS: 67-64-1

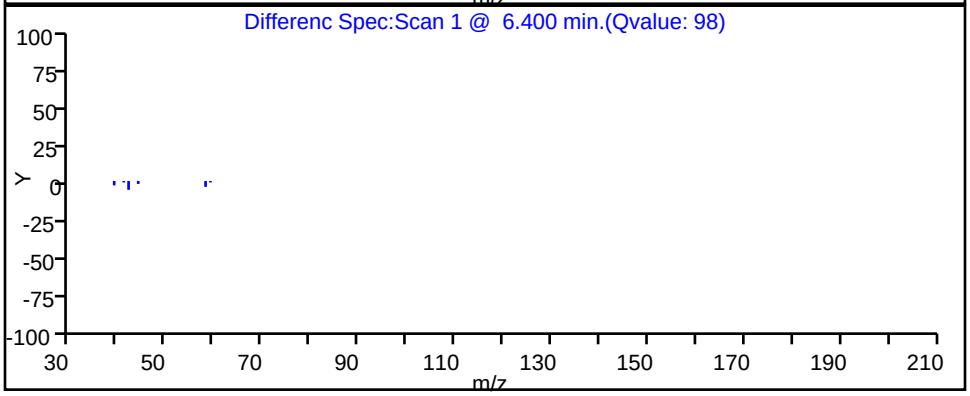








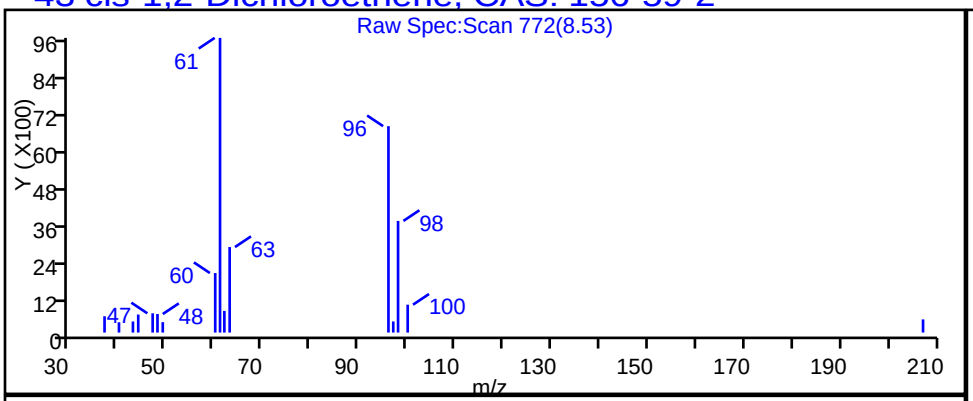


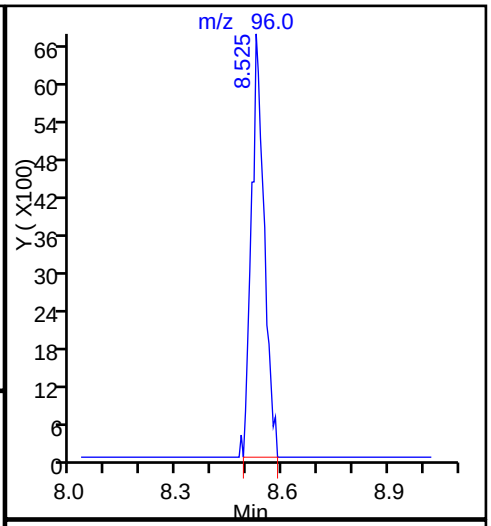


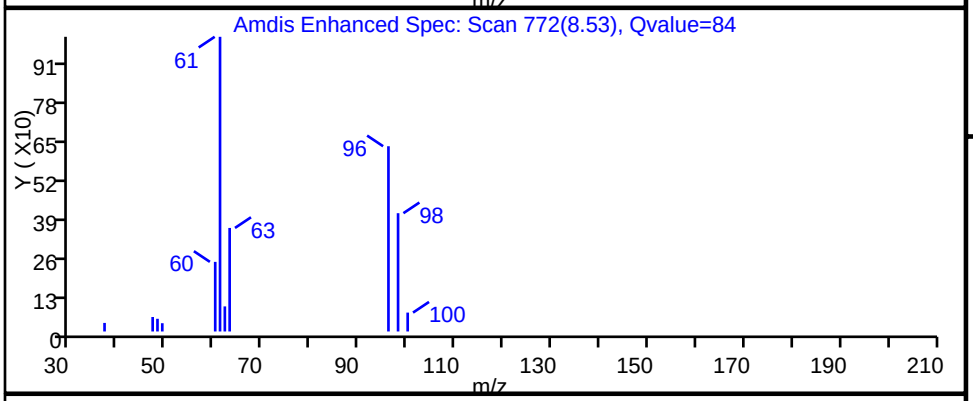
TestAmerica Buffalo

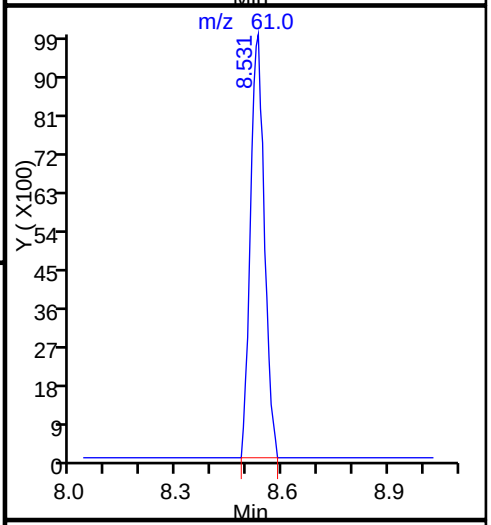
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D				
Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2		
Client ID:	B3-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

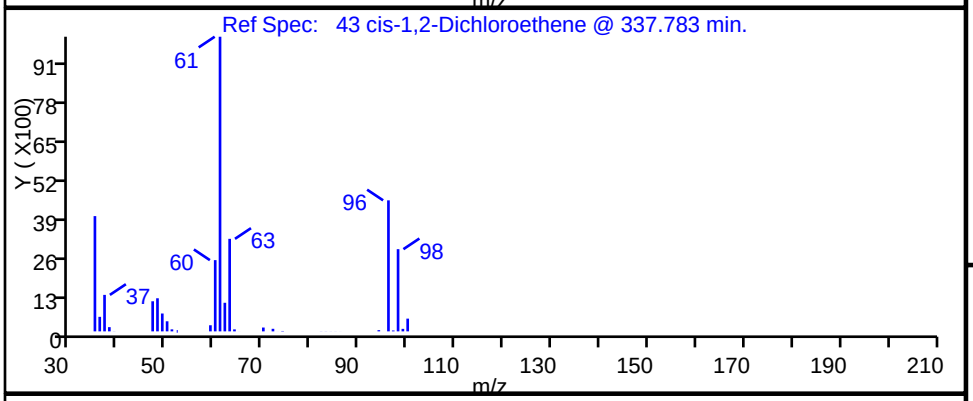
43 cis-1,2-Dichloroethene, CAS: 156-59-2

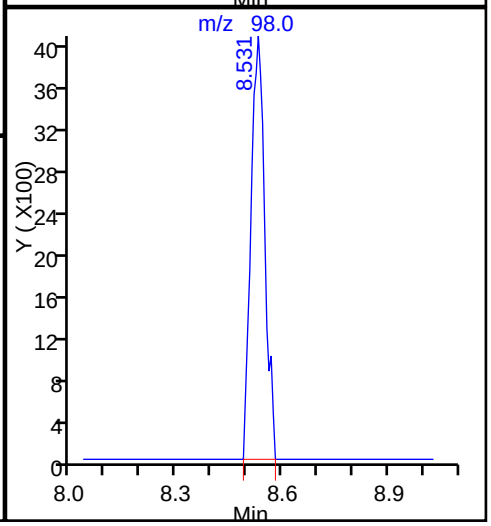


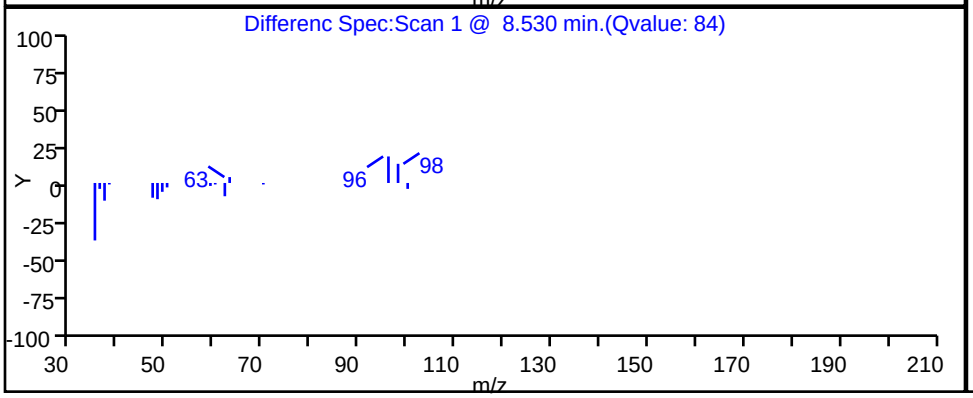












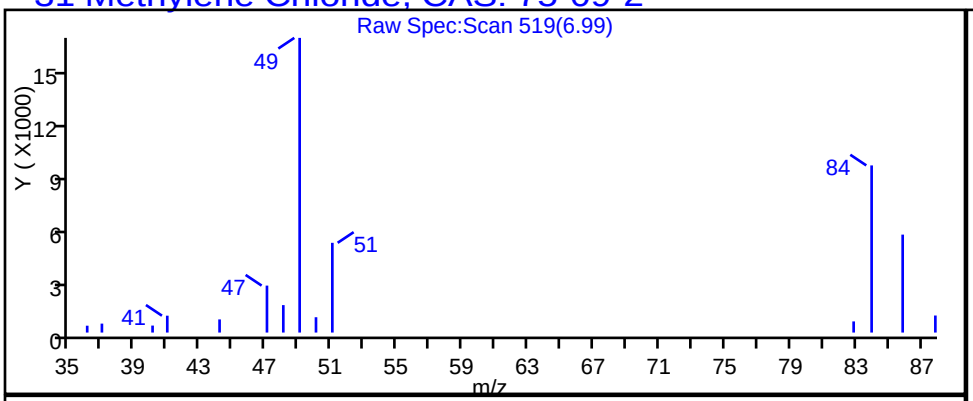
Report Date: 11-Dec-2015 10:56:02 Chrom Revision: 2.2 08-Oct-2015 07:17:48

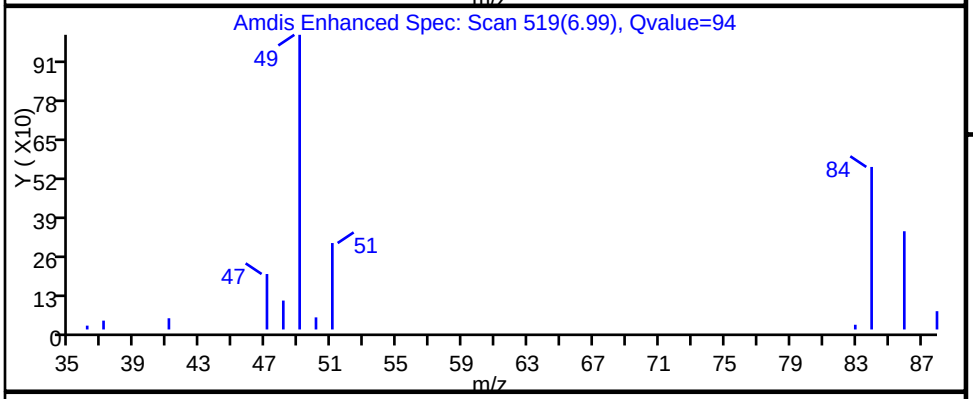
TestAmerica Buffalo

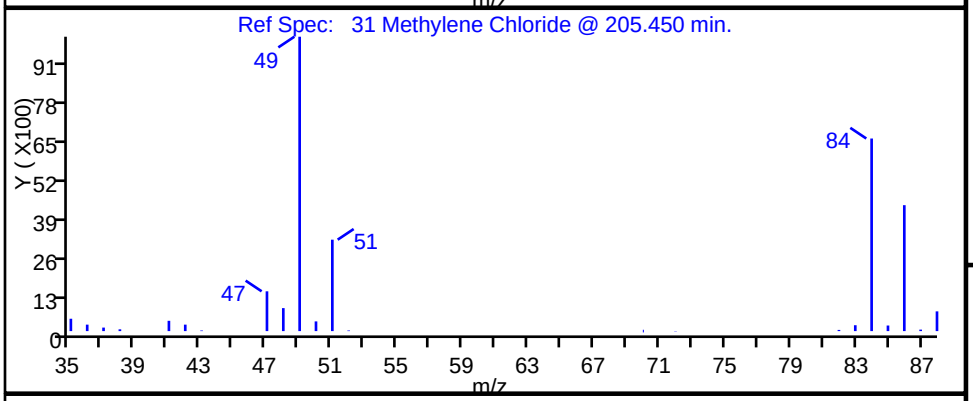
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D

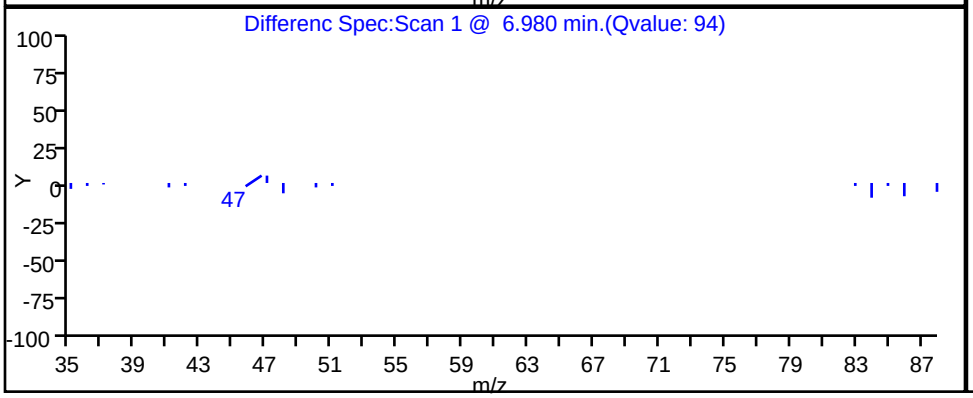
Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2		
Client ID:	B3-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

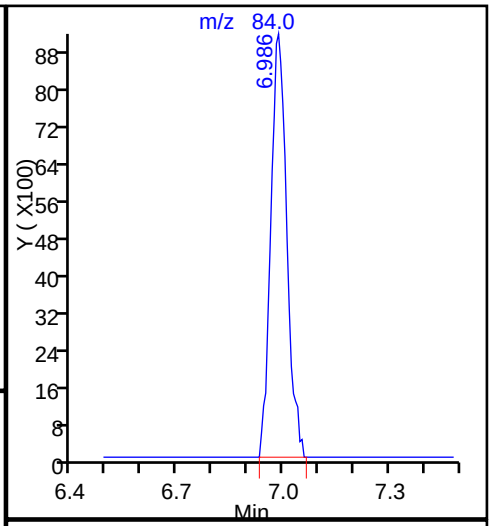
31 Methylene Chloride, CAS: 75-09-2

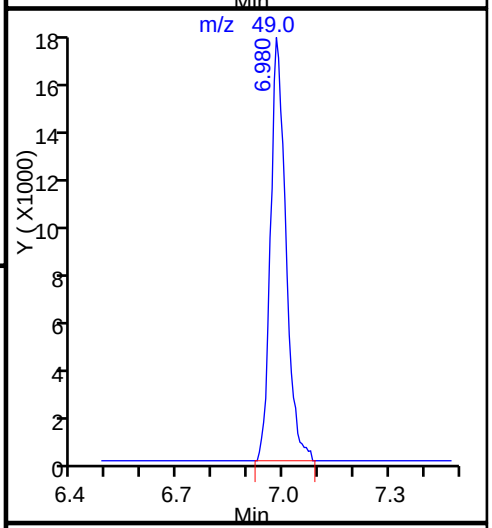


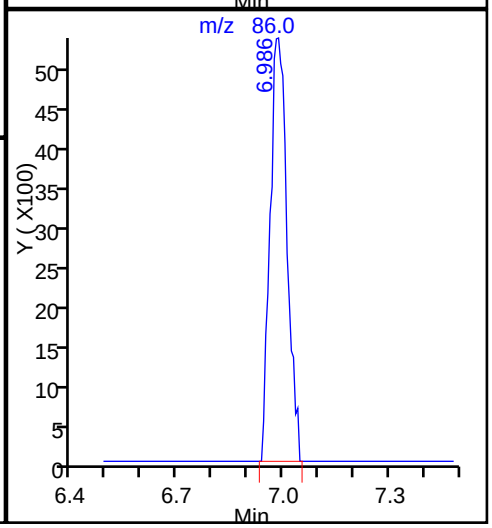










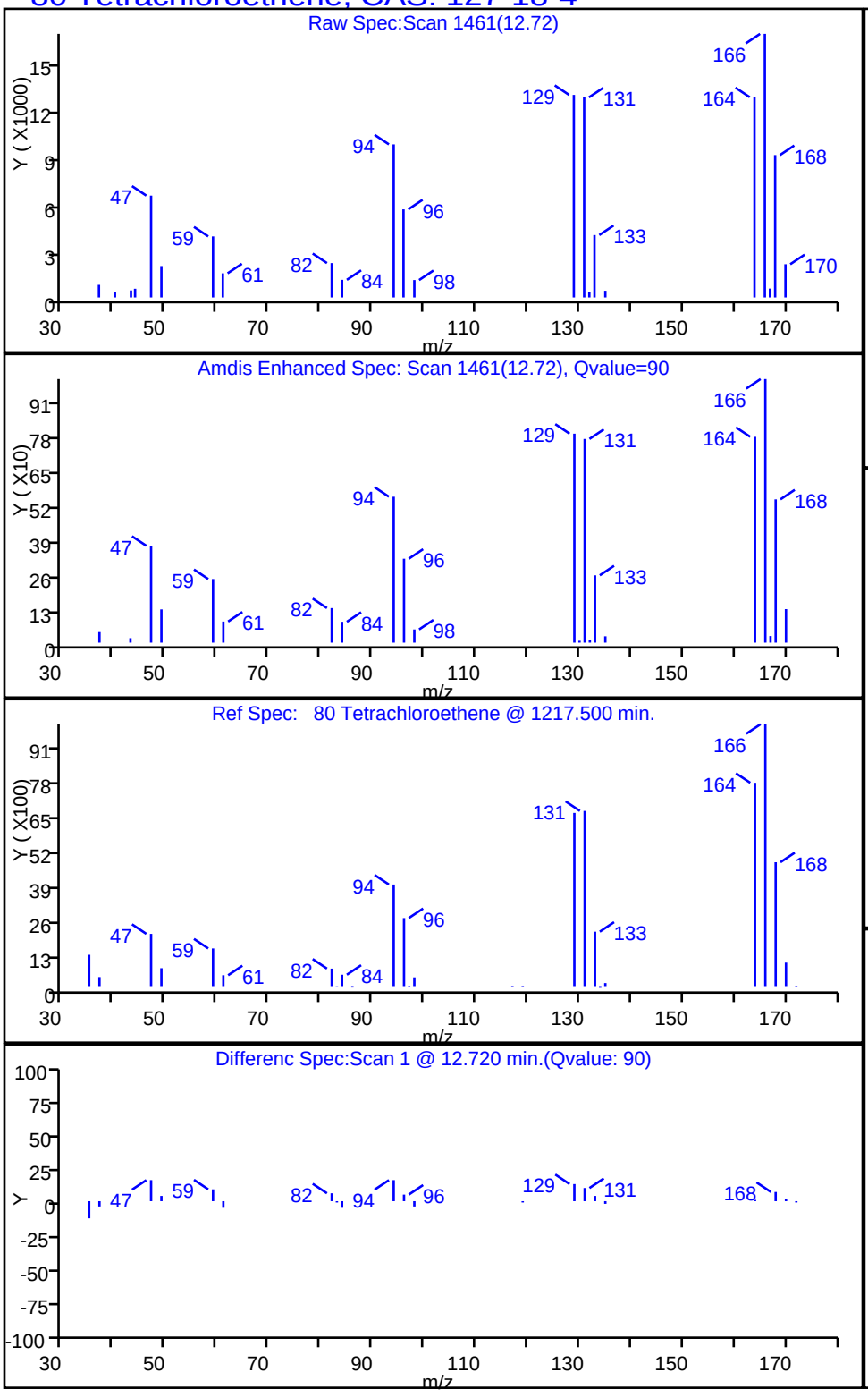


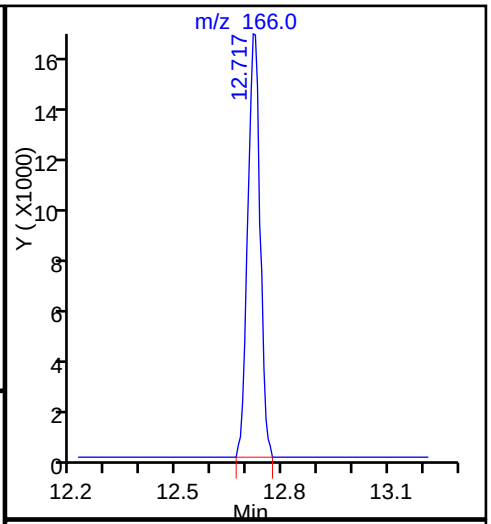
TestAmerica Buffalo

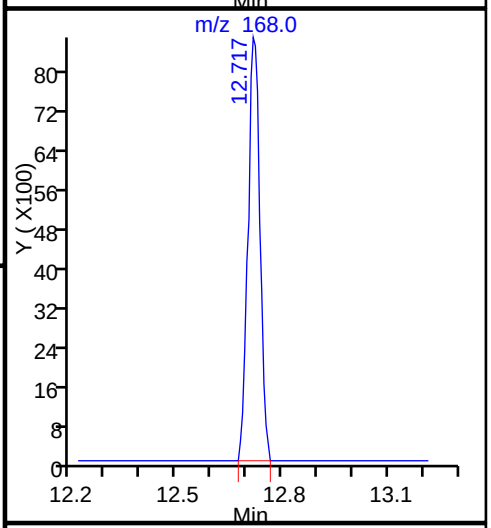
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D

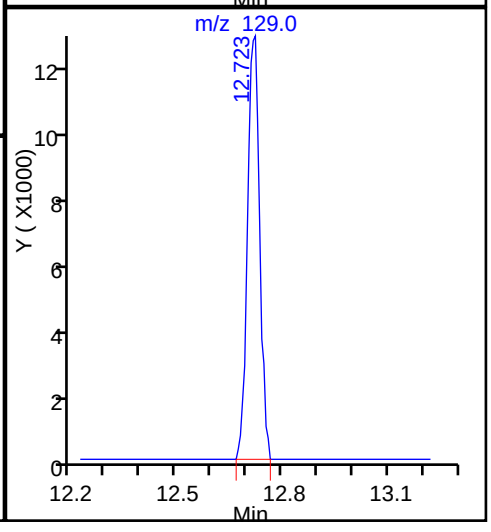
Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2		
Client ID:	B3-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

80 Tetrachloroethene, CAS: 127-18-4







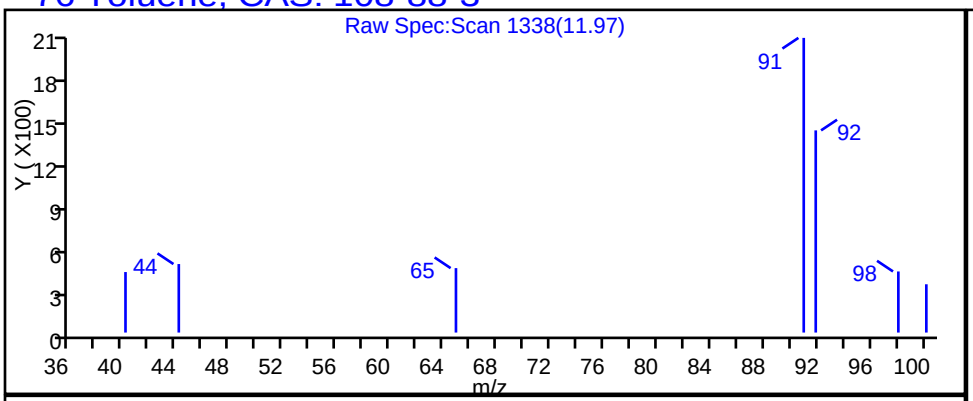


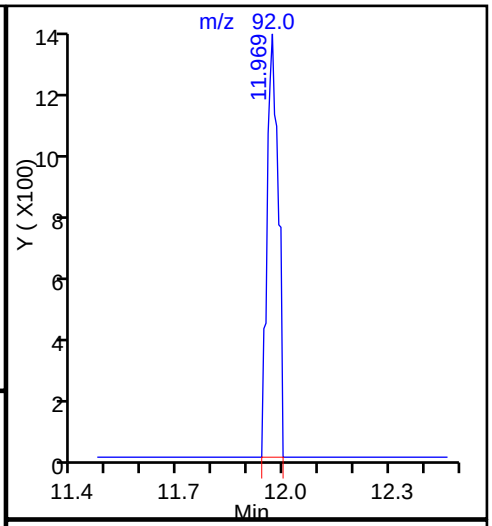
TestAmerica Buffalo

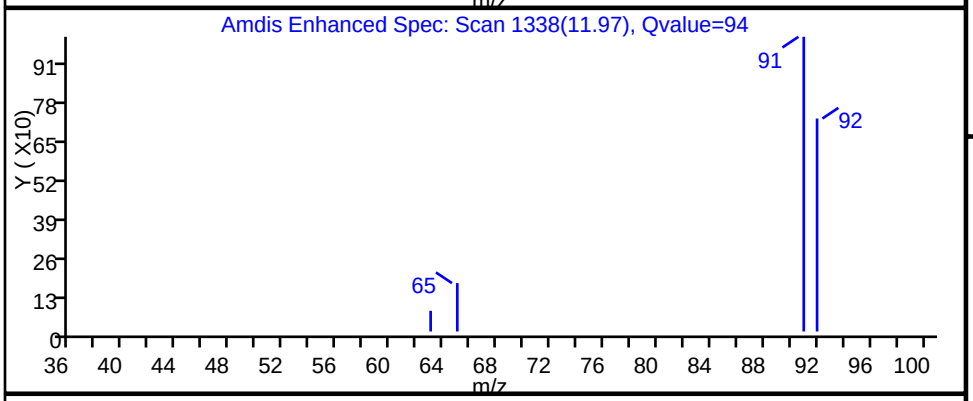
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D

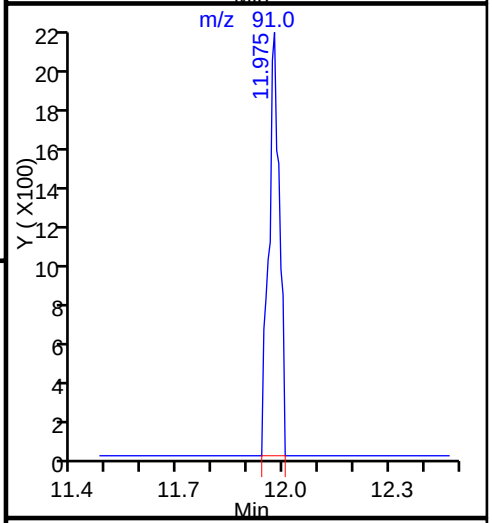
Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2		
Client ID:	B3-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

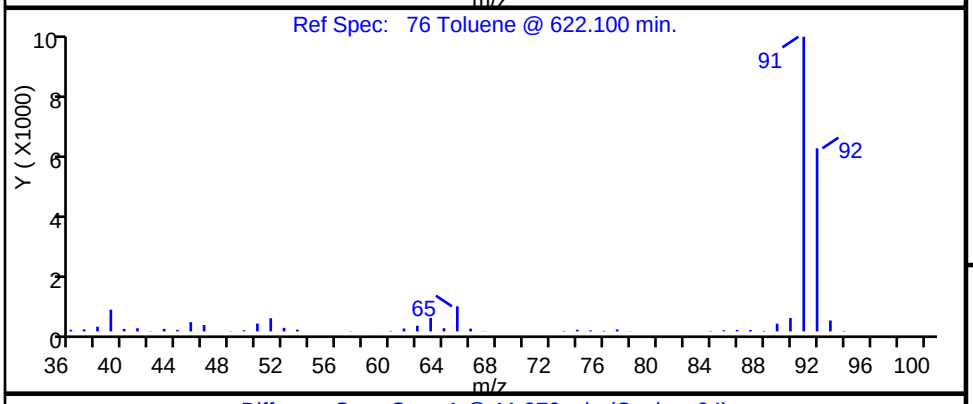
76 Toluene, CAS: 108-88-3

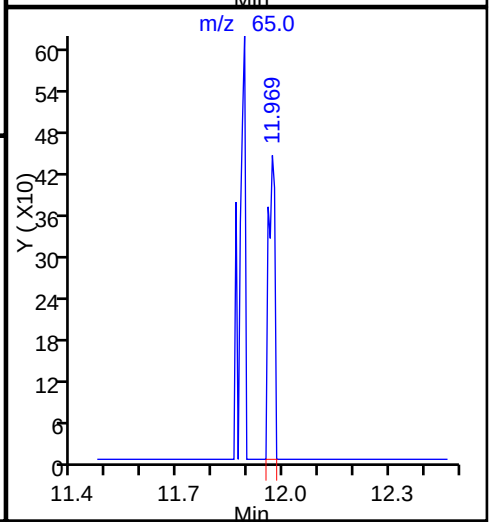


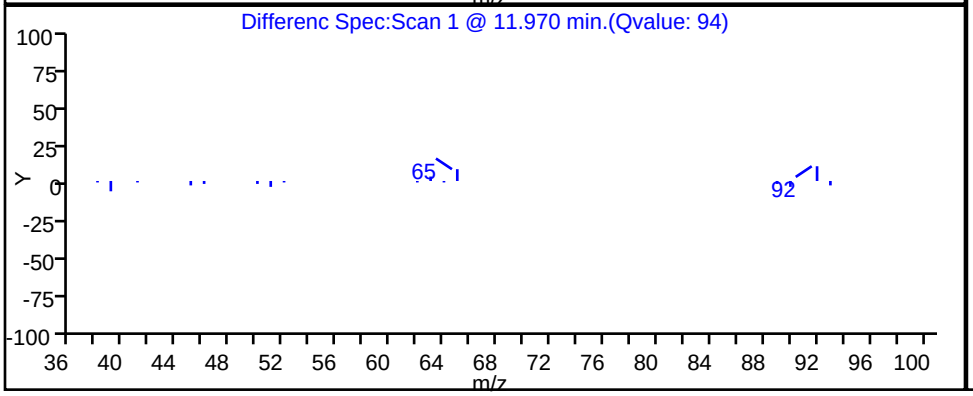










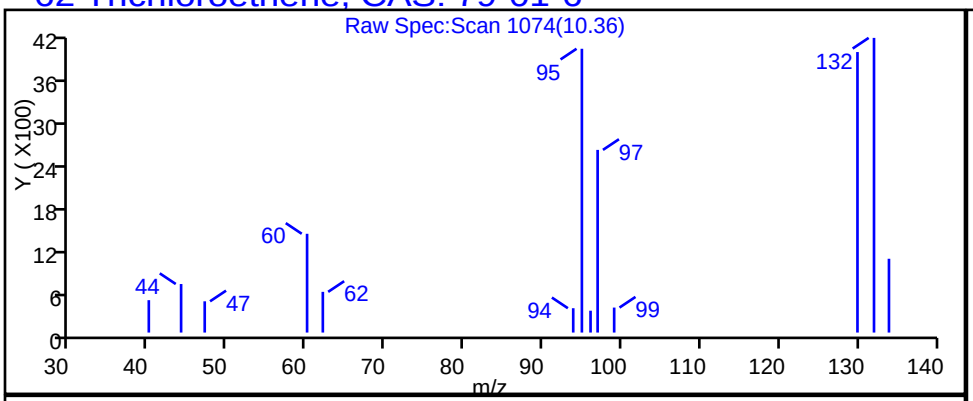


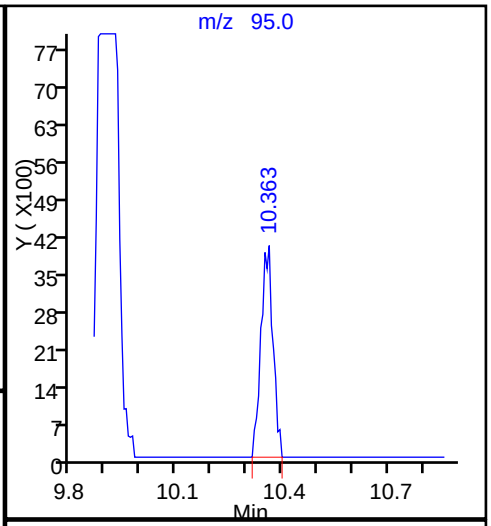
TestAmerica Buffalo

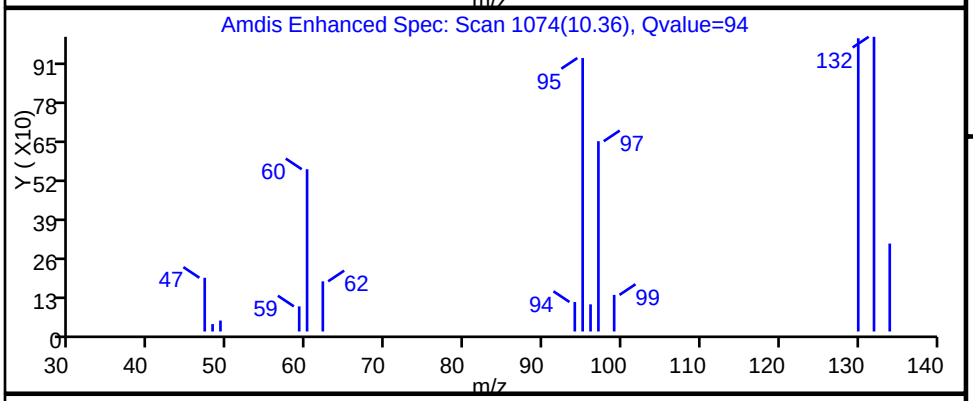
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D

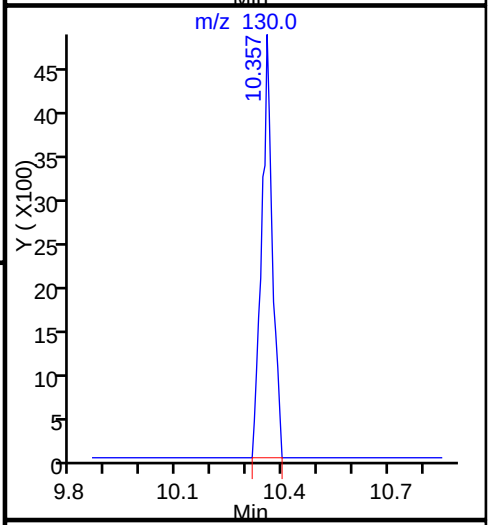
Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2		
Client ID:	B3-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

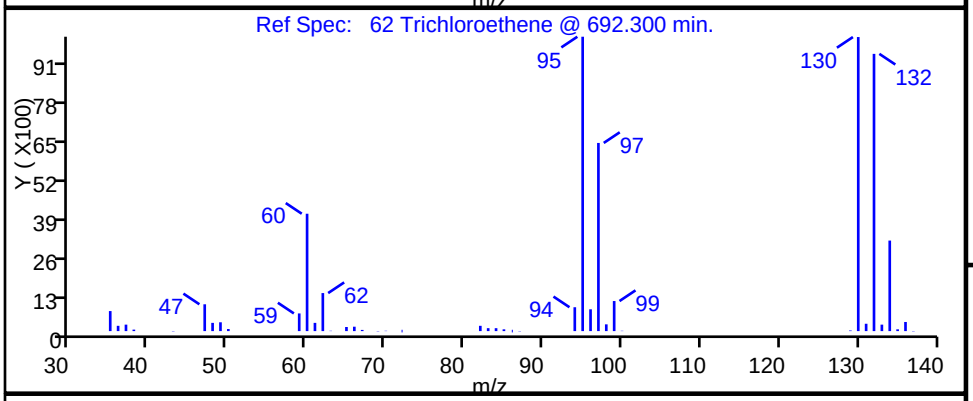
62 Trichloroethene, CAS: 79-01-6

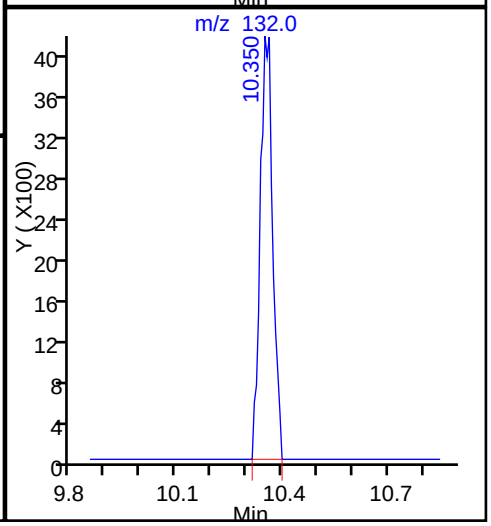


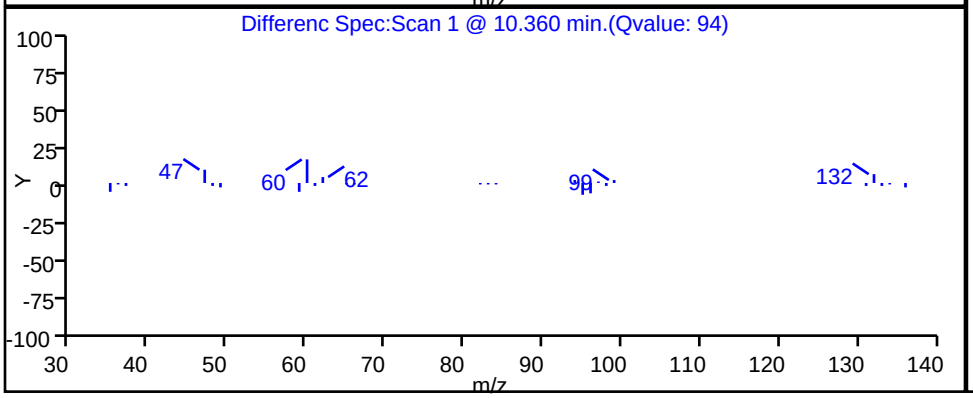












Manual Integration/User Assign Peak Report

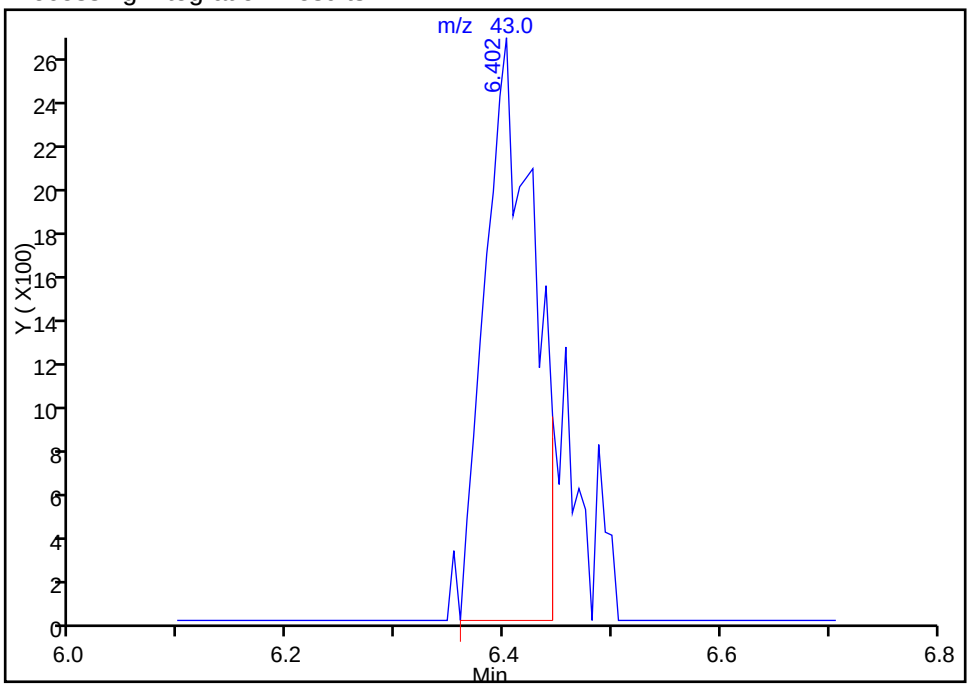
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2249.D				
Injection Date:	11-Dec-2015 02:22:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-2-B	Lab Sample ID:	480-92213-2		
Client ID:	B3-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

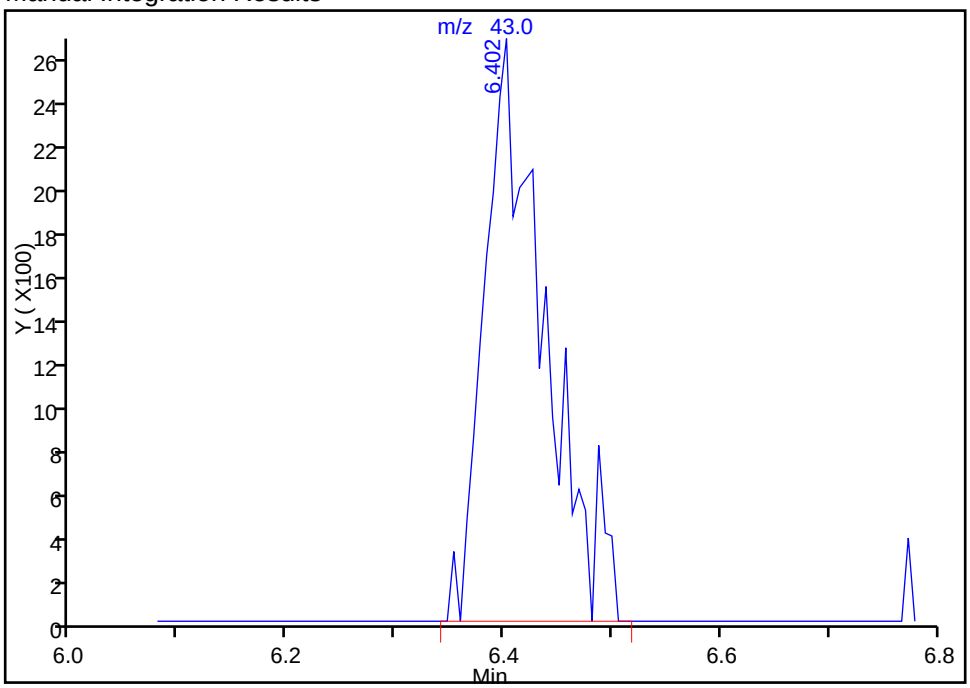
Processing Integration Results

RT: 6.40
Area: 8358
Amount: 4.283321
Amount Units: ug/L



Manual Integration Results

RT: 6.40
Area: 10332
Amount: 5.294960
Amount Units: ug/L



Reviewer: cwiklinc, 11-Dec-2015 10:53:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S1 | Lab Sample ID: 480-92213-3

Matrix: Solid | Lab File ID: P2235.D

Analysis Method: 8260C | Date Collected: 12/02/2015 09:35

Sample wt/vol: 5.17(g) | Date Analyzed: 12/10/2015 18:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Low

Analysis Batch No.: 279063 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.2	0.68
75-34-3	1,1-Dichloroethane	10		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND		5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.2	2.6
106-93-4	1,2-Dibromoethane	ND		5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND		5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	5.6	J B	26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND		5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.51
108-90-7	Chlorobenzene	ND		5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	0.32	J	5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	540	E	5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.76
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND		5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	1.5	J	5.2	0.36
98-82-8	Isopropylbenzene	ND		5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S1 | Lab Sample ID: 480-92213-3

Matrix: Solid | Lab File ID: P2235.D

Analysis Method: 8260C | Date Collected: 12/02/2015 09:35

Sample wt/vol: 5.17(g) | Date Analyzed: 12/10/2015 18:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Low

Analysis Batch No.: 279063 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.52
108-87-2	Methylcyclohexane	ND		5.2	0.80
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND		5.2	0.26
127-18-4	Tetrachloroethene	220	E	5.2	0.70
108-88-3	Toluene	54		5.2	0.40
156-60-5	trans-1,2-Dichloroethene	3.0	J	5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.3
79-01-6	Trichloroethene	990	E	5.2	1.2
75-69-4	Trichlorofluoromethane	ND		5.2	0.50
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	2.0	J	10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D
Lims ID: 480-92213-A-3-A Lab Sample ID: 480-92213-3
Client ID: B4-AREA2-S1
Sample Type: Client
Inject. Date: 10-Dec-2015 18:59:30 ALS Bottle#: 12 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-3-A
Misc. Info.: 480-0049115-019
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 00:53:01 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 11-Dec-2015 00:53:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	336014	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	666864	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	581436	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	275054	53.0	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1515974	52.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	89	487774	48.0	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.408	6.396	0.012	98	20591	5.35	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.767	6.774	-0.007	100	62335	1.79	
31 Methylene Chloride	84	6.992	6.980	0.012	94	44301	2.14	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	93	27406	2.90	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	200330	9.53	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	85	5249831	511.7	E
49 Chloroform	83	8.897	8.878	0.019	91	5582	0.3085	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.351	10.351	0.000	93	9431296	940.0	E
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	98	1217085	51.4	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	1883089	207.1	E
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	13.952	13.946	0.006	99	56705	1.38	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	33364	1.92	
93 o-Xylene	106	14.640	14.634	0.006	96	4657	0.2659	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1				0		2.18	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 11-Dec-2015 00:53:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D

Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3	Worklist Smp#:	19
Client ID:	B4-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

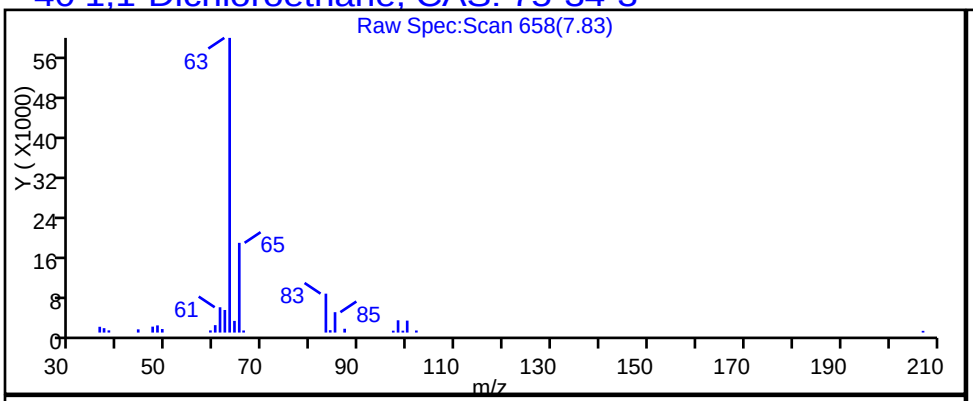
Column: ZB-624 (0.25 mm)

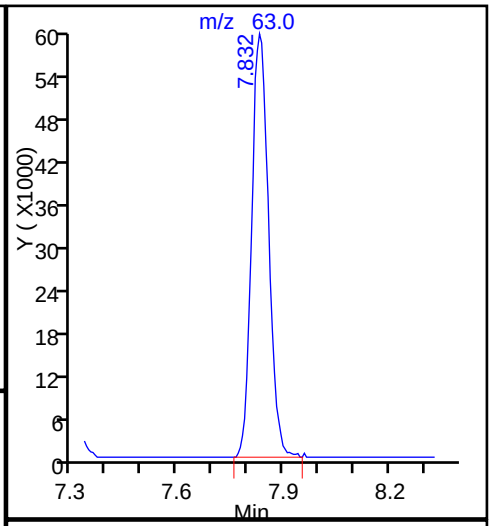
TestAmerica Buffalo

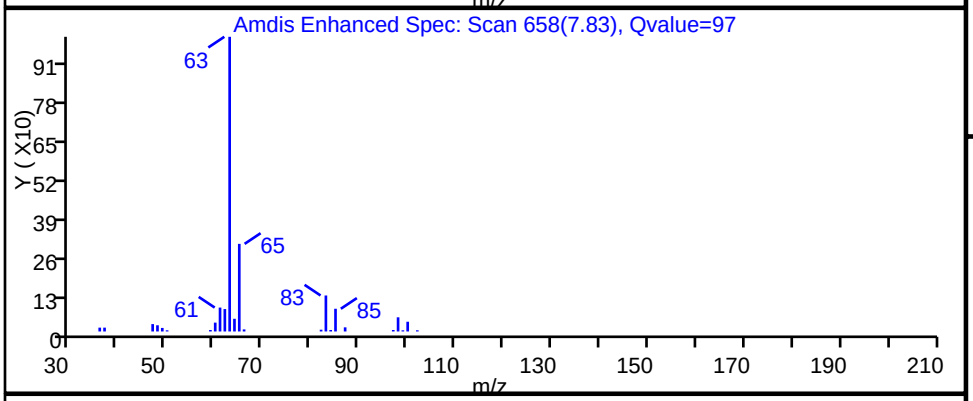
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D

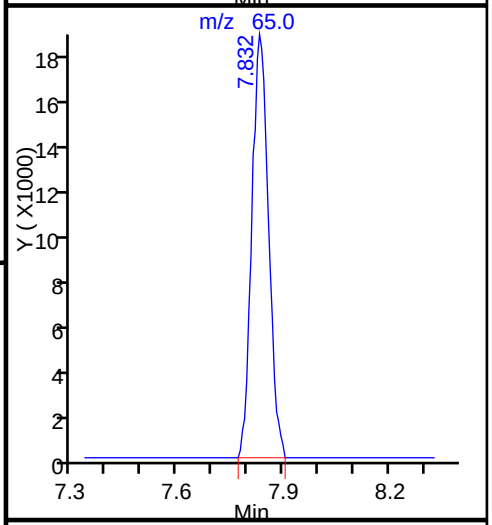
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3
Client ID:	B4-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	12 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

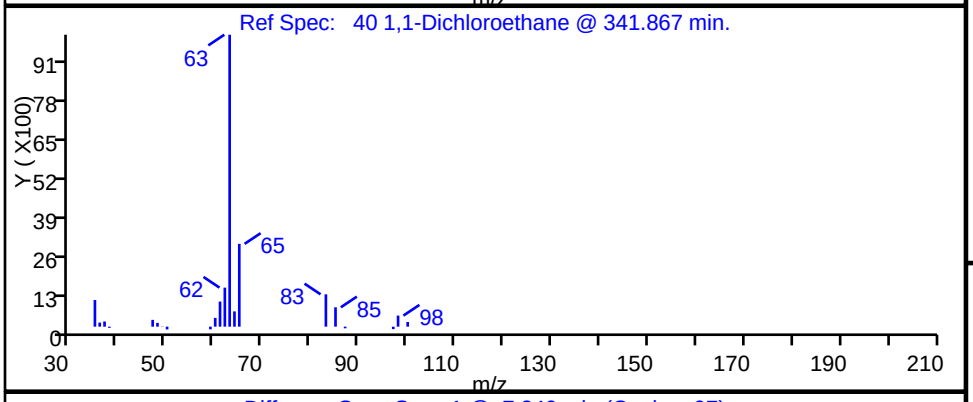
40 1,1-Dichloroethane, CAS: 75-34-3

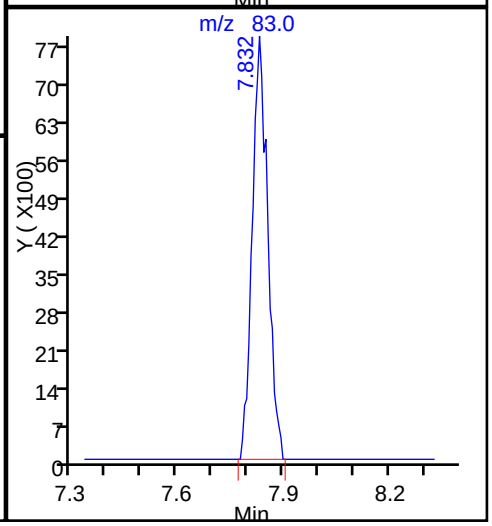


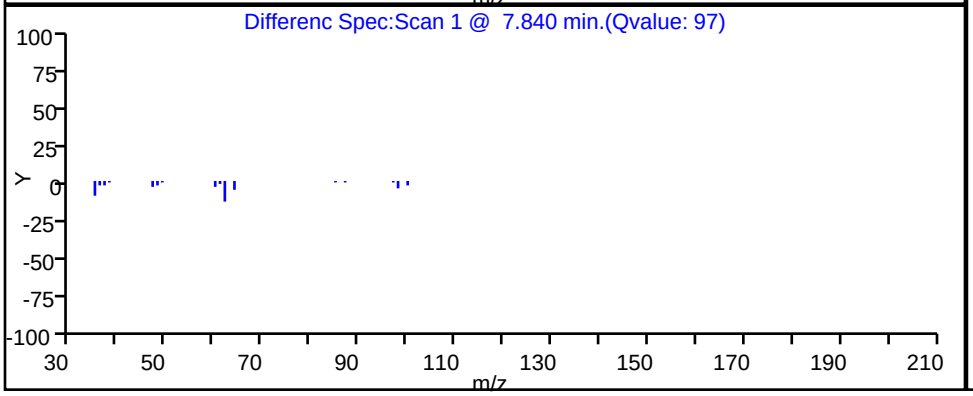










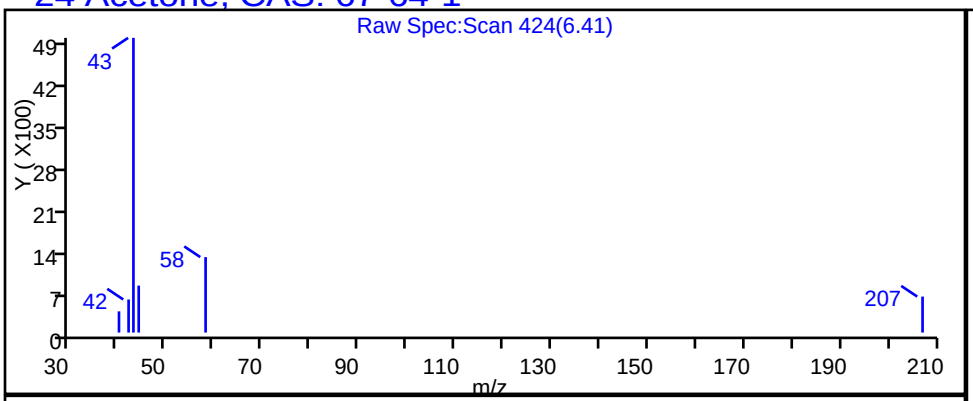


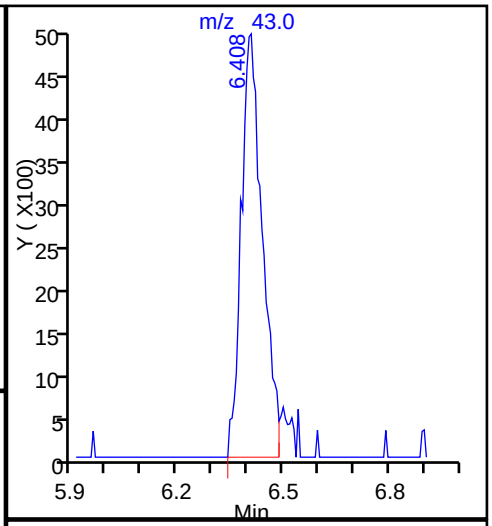
TestAmerica Buffalo

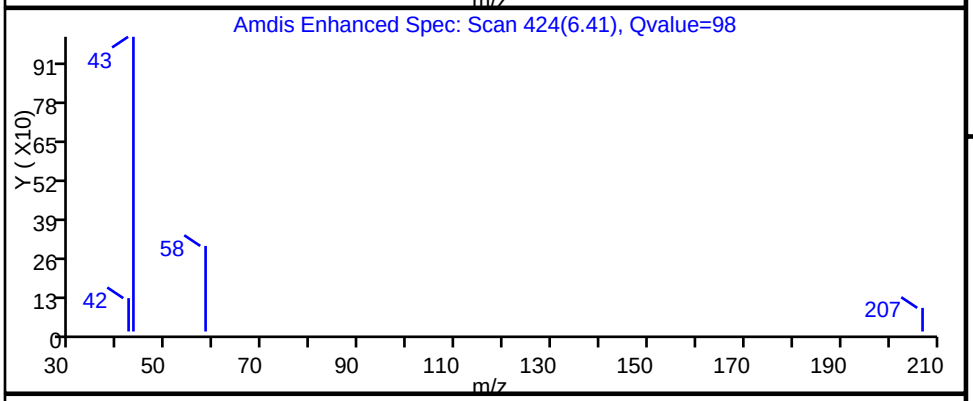
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D

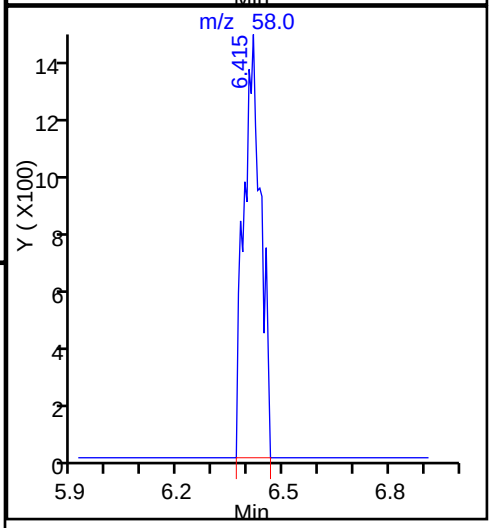
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

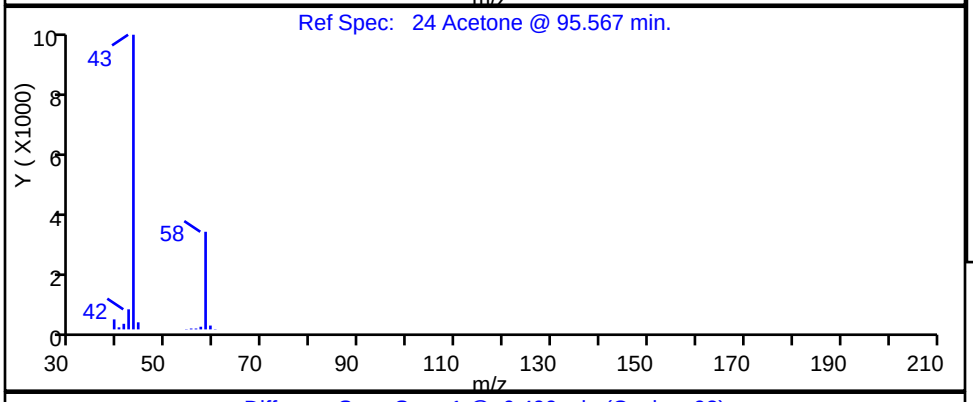
24 Acetone, CAS: 67-64-1

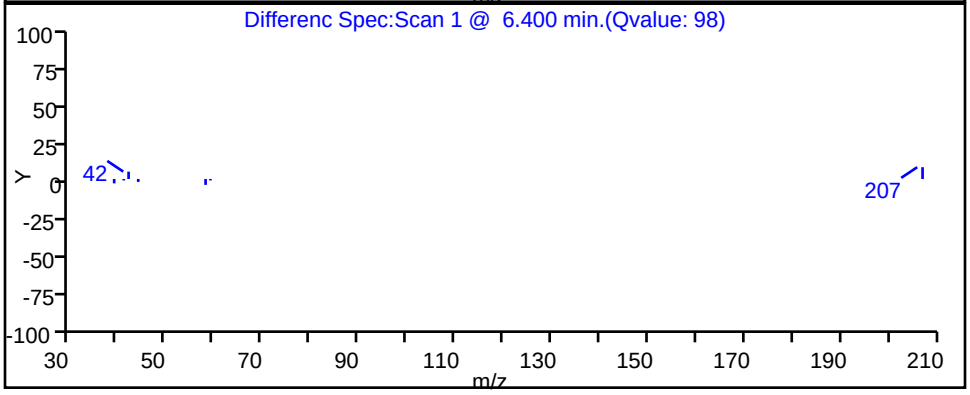












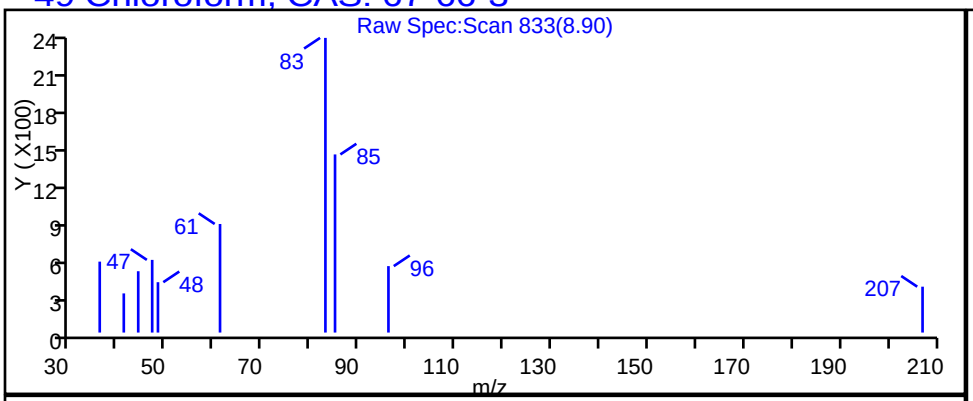
Report Date: 11-Dec-2015 00:53:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

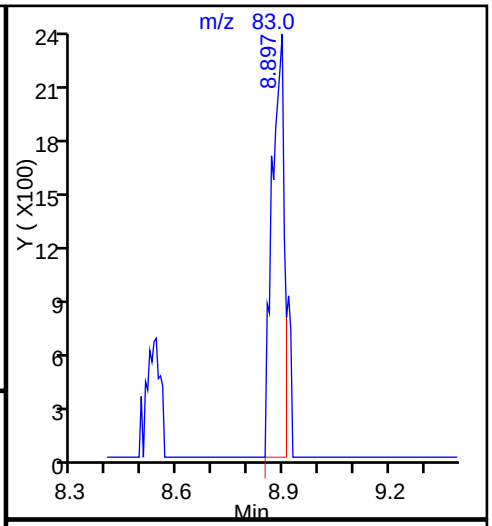
TestAmerica Buffalo

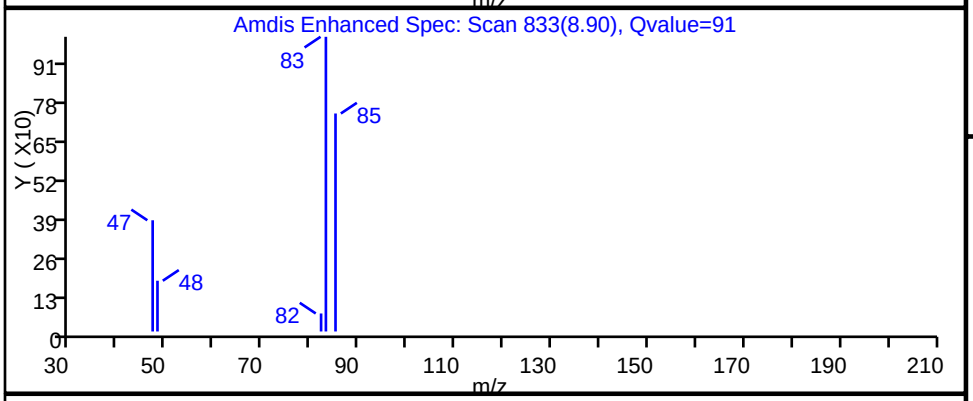
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D

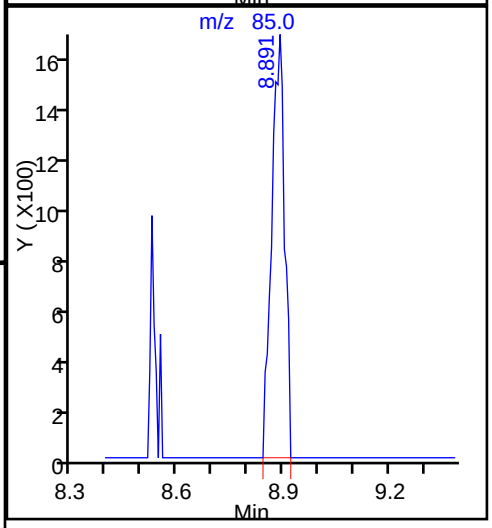
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

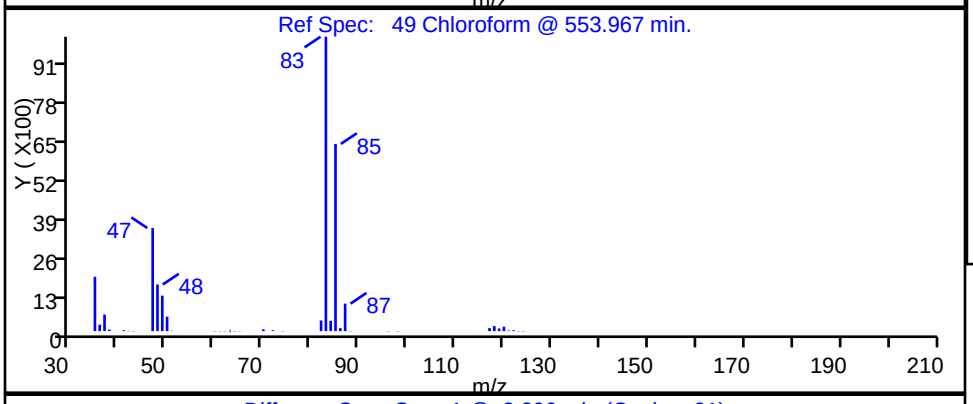
49 Chloroform, CAS: 67-66-3

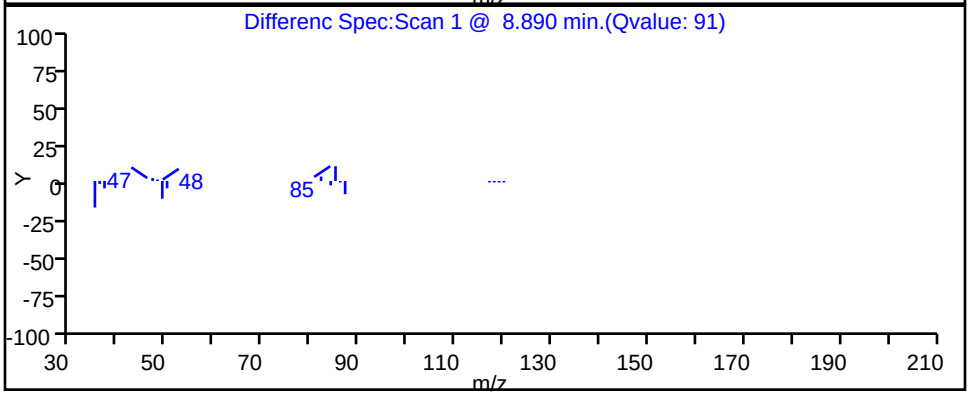








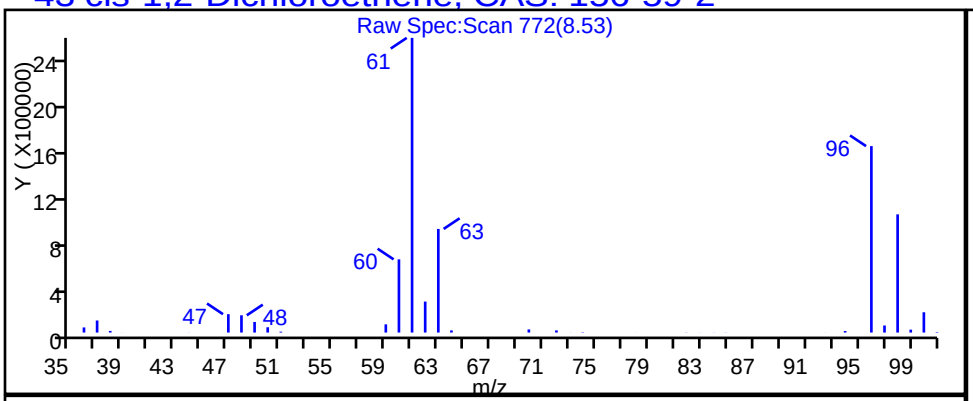


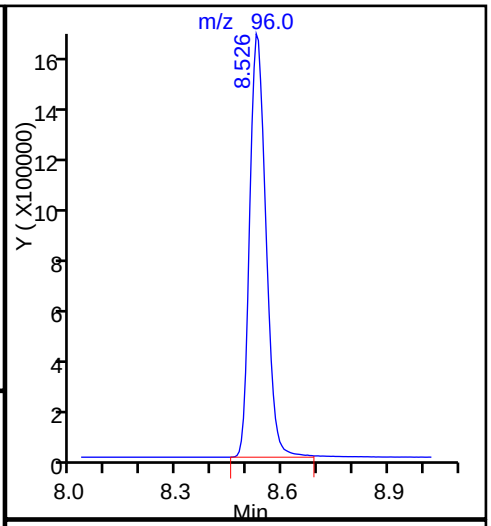


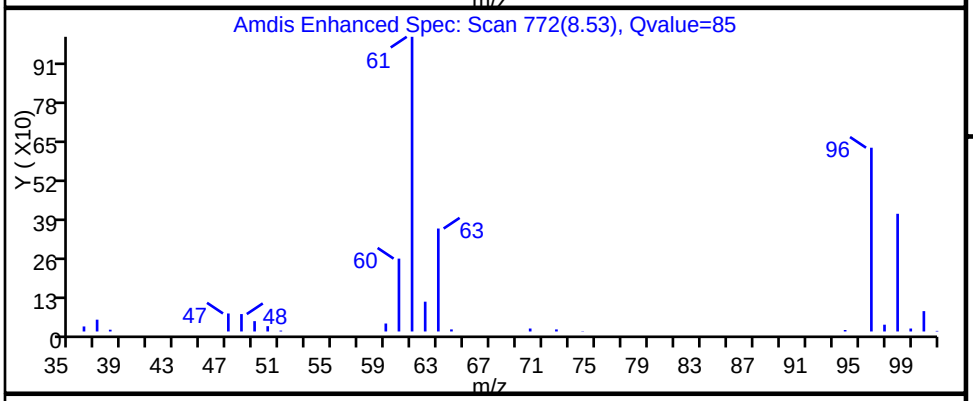
TestAmerica Buffalo

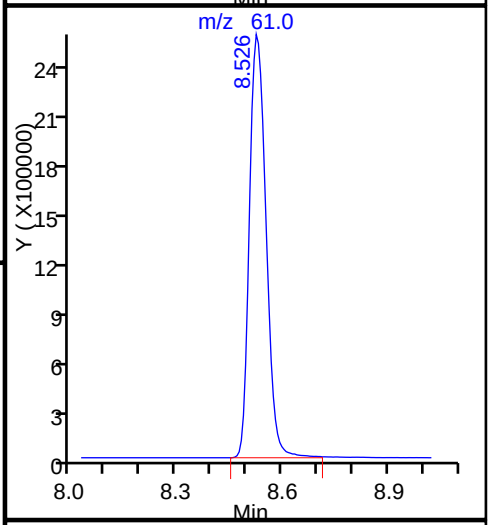
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D
Injection Date: 10-Dec-2015 18:59:30 Instrument ID: HP5973P
Lims ID: 480-92213-A-3-A Lab Sample ID: 480-92213-3
Client ID: B4-AREA2-S1
Operator ID: CDC ALS Bottle#: 12 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

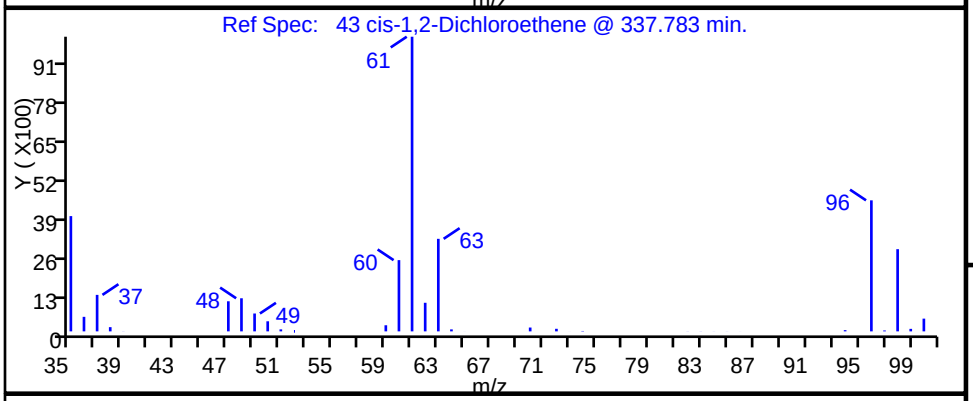
43 cis-1,2-Dichloroethene, CAS: 156-59-2

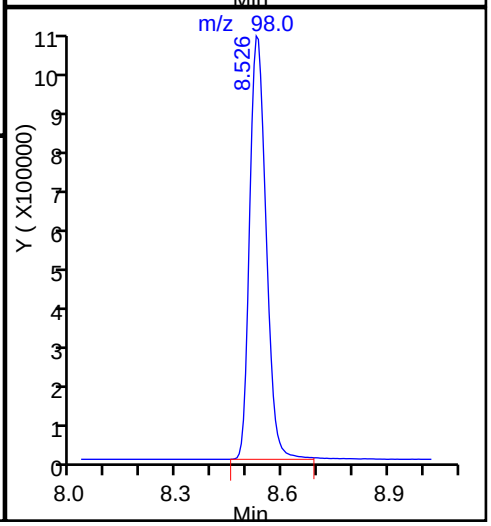


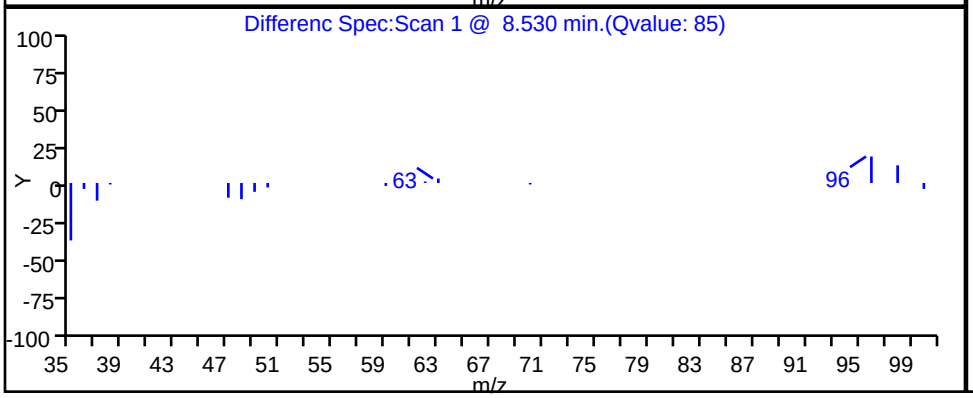








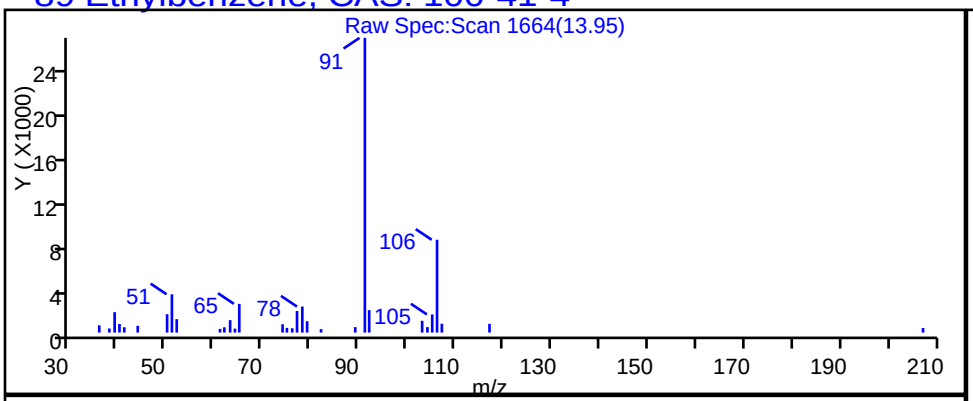


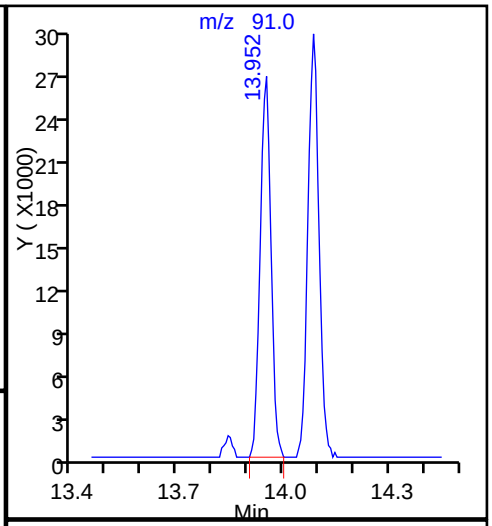


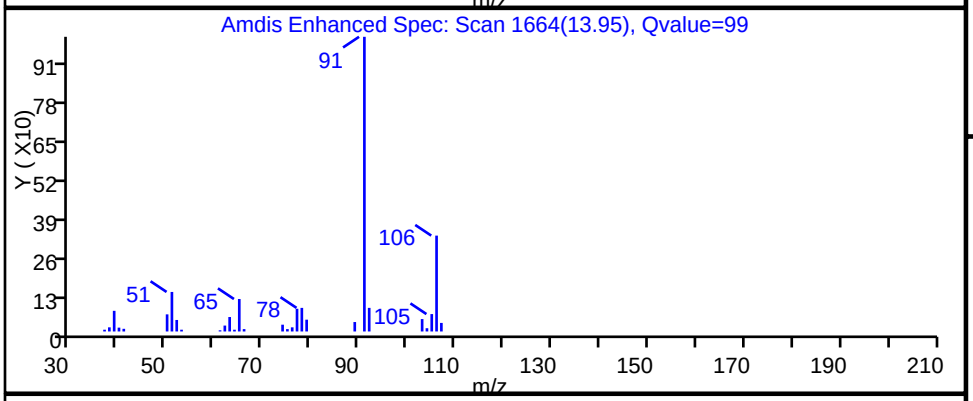
TestAmerica Buffalo

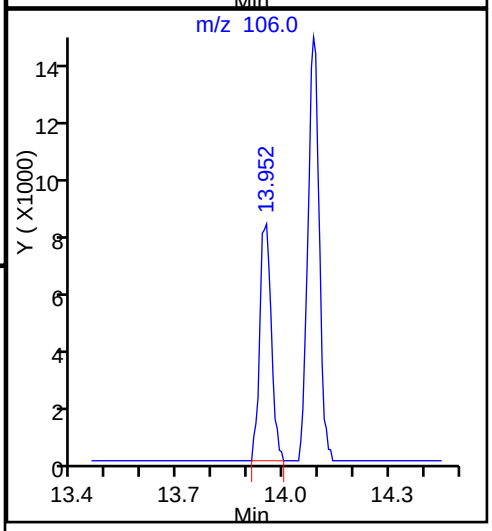
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D				
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

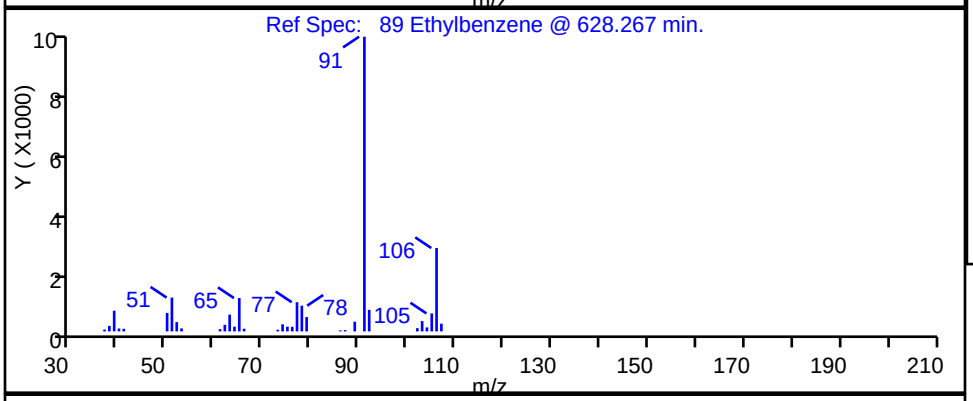
89 Ethylbenzene, CAS: 100-41-4

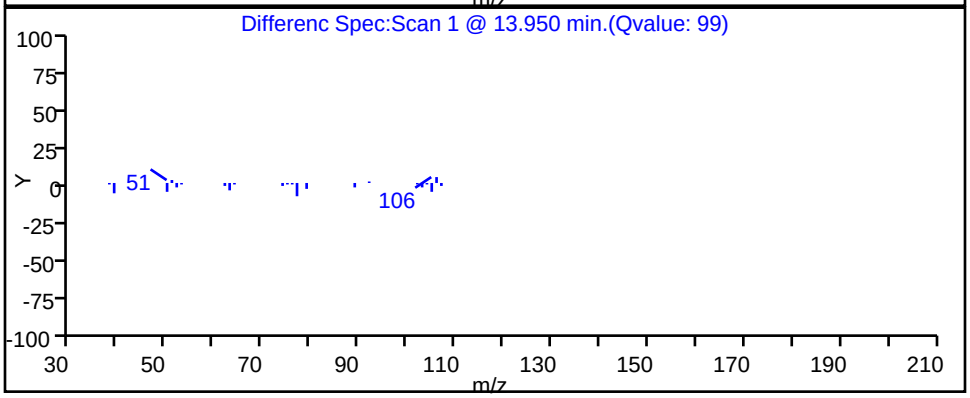










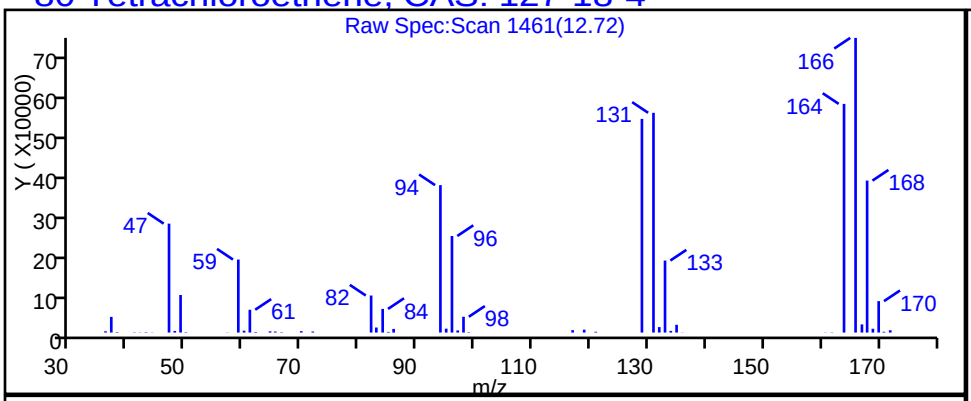


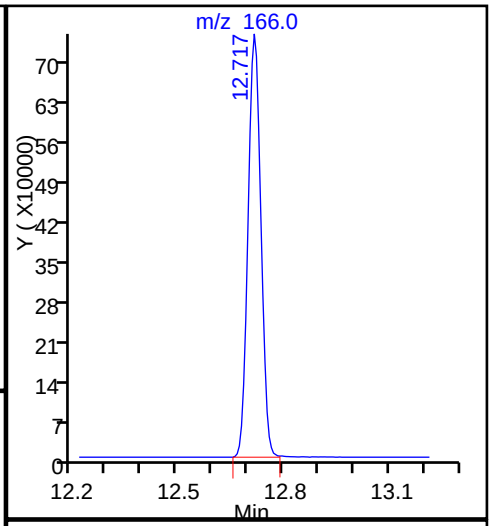
TestAmerica Buffalo

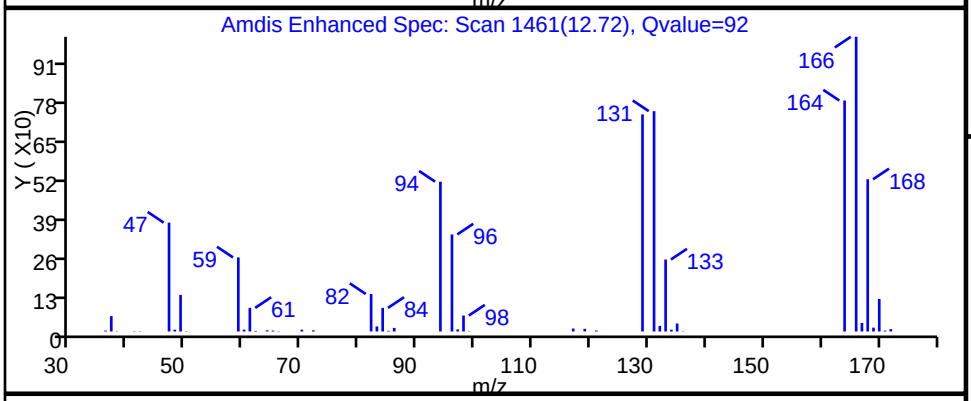
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D

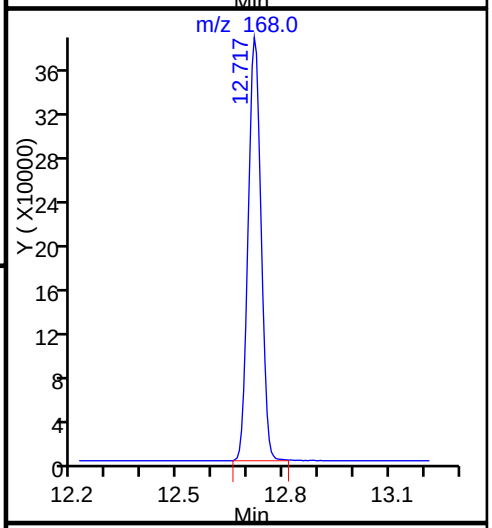
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

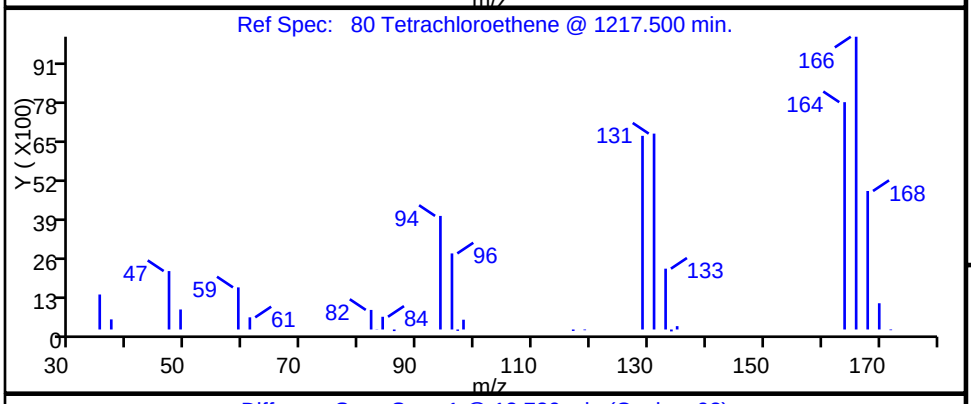
80 Tetrachloroethene, CAS: 127-18-4

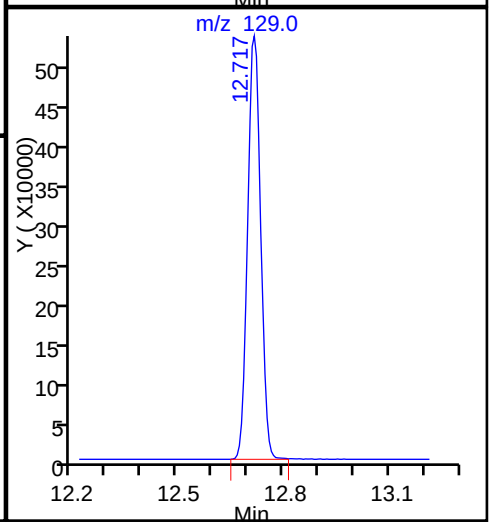


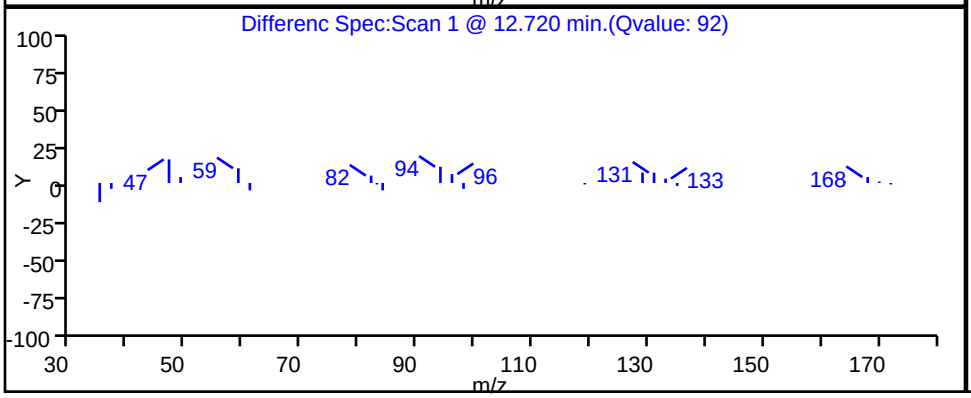








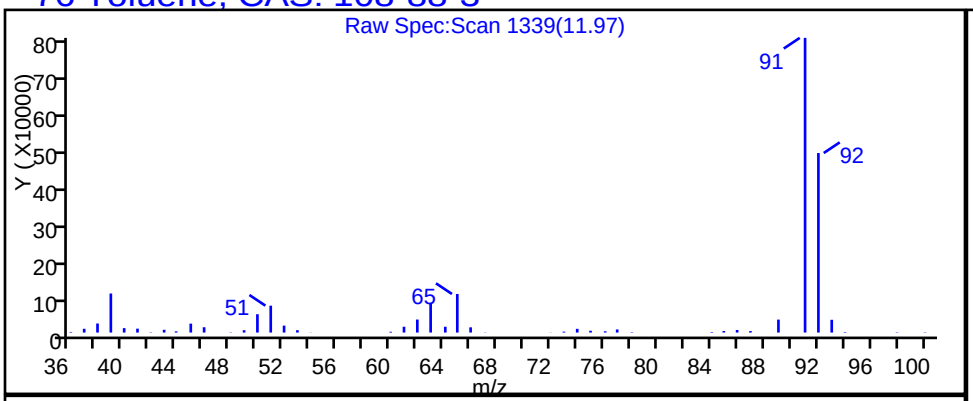


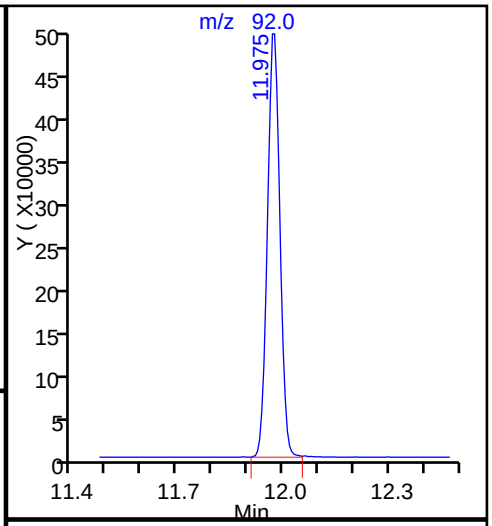


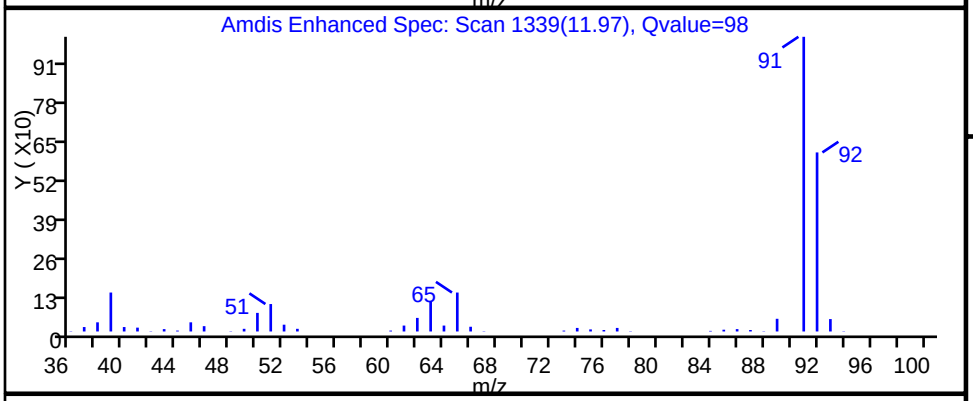
TestAmerica Buffalo

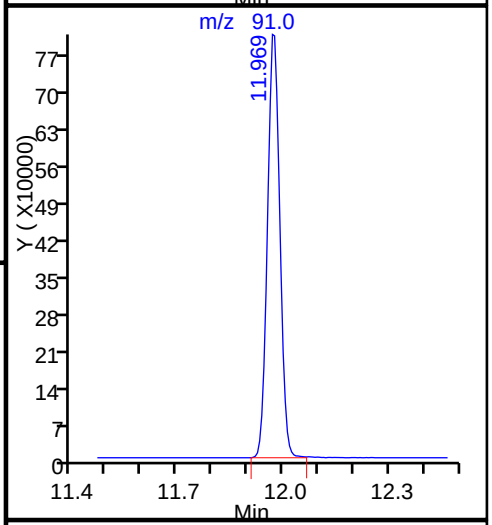
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D		
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3
Client ID:	B4-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	12 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

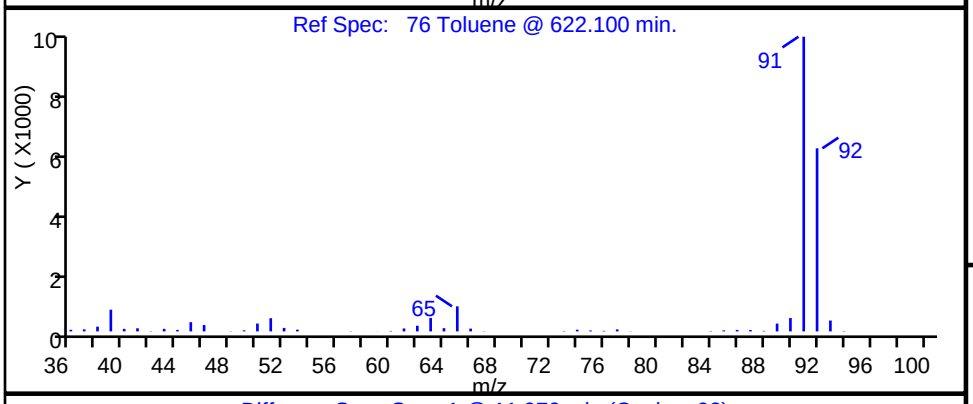
76 Toluene, CAS: 108-88-3

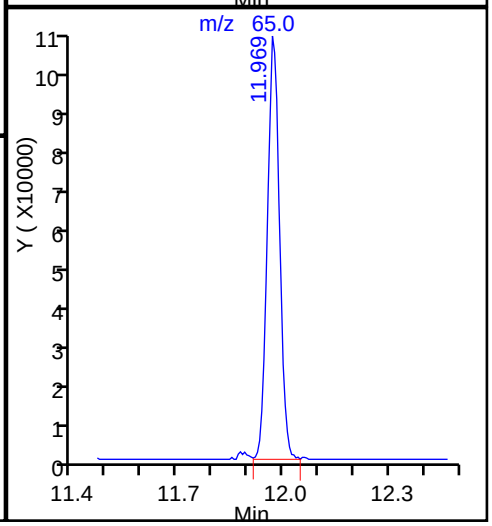


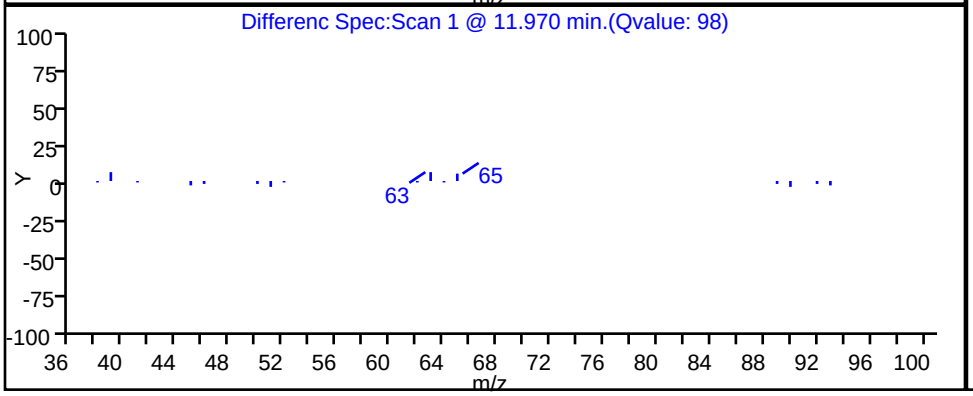












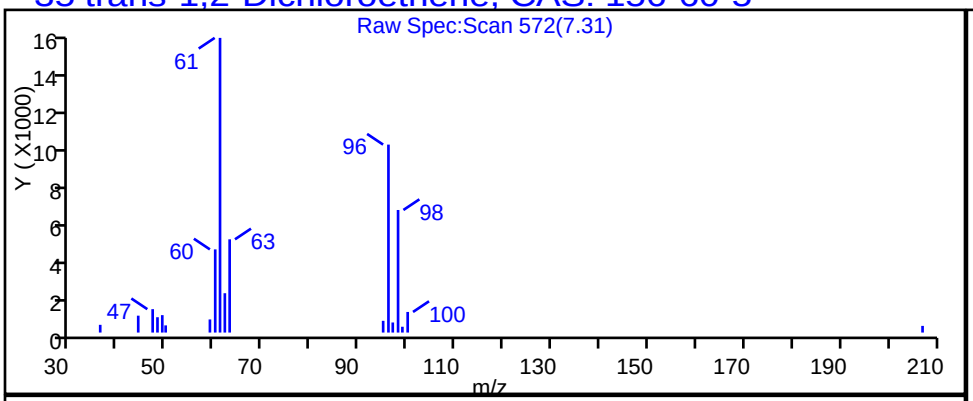
Report Date: 11-Dec-2015 00:53:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

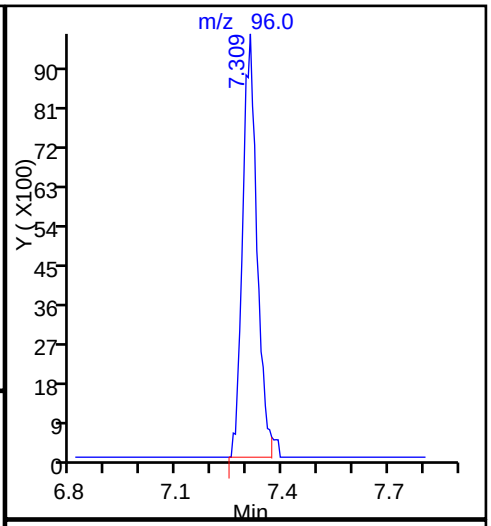
TestAmerica Buffalo

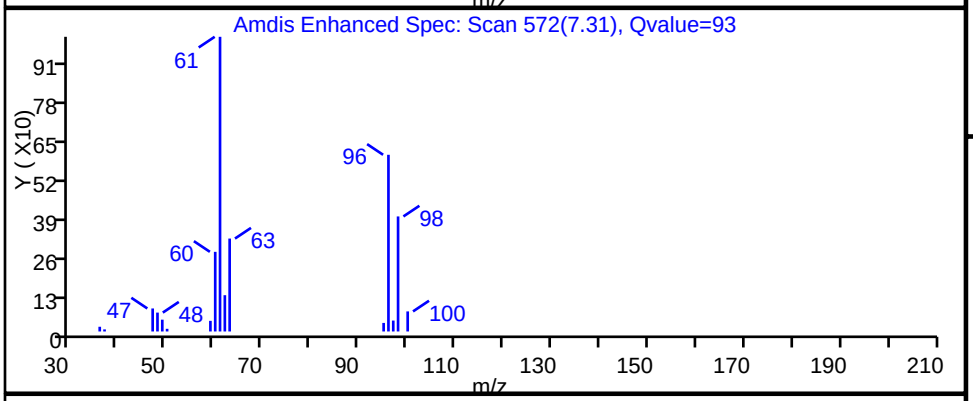
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D

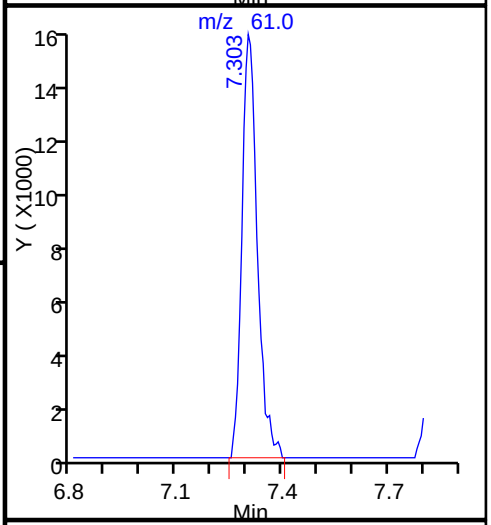
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

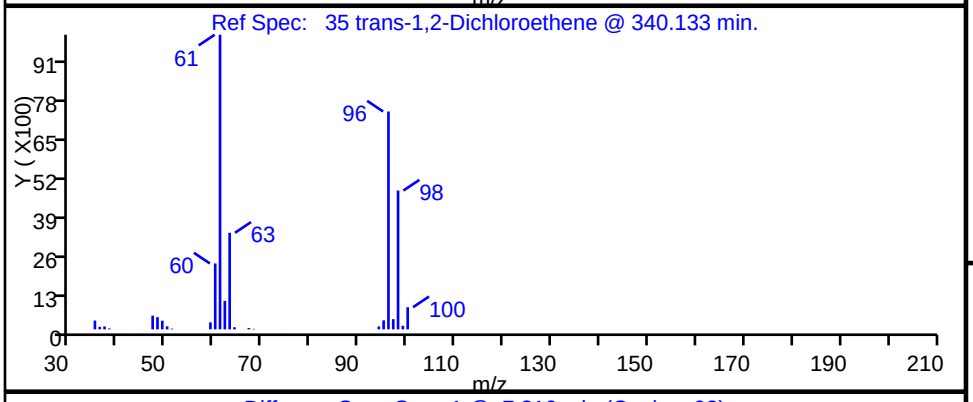
35 trans-1,2-Dichloroethene, CAS: 156-60-5

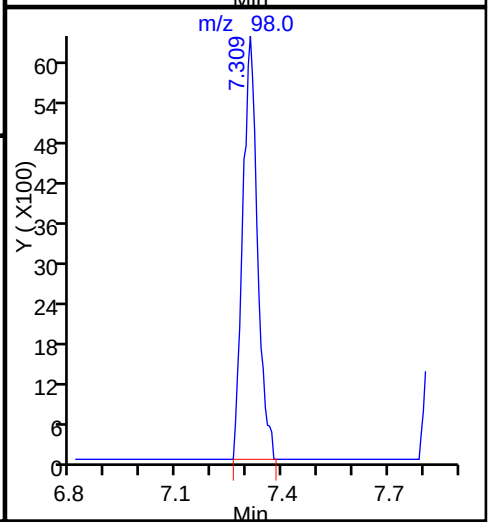


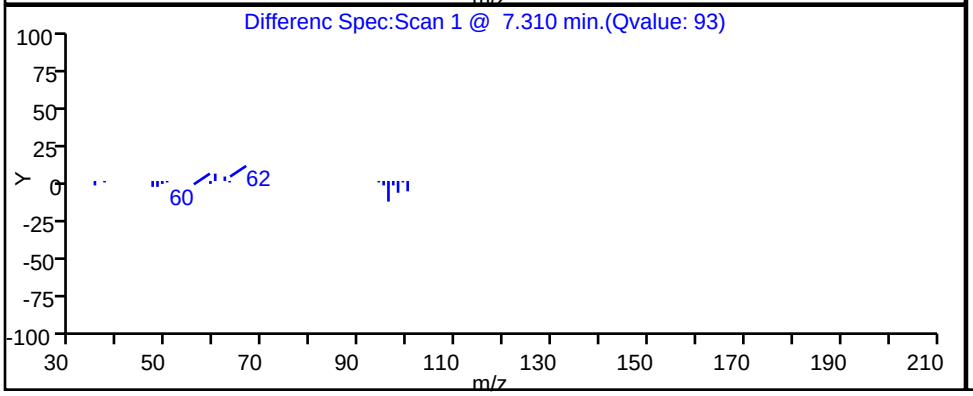








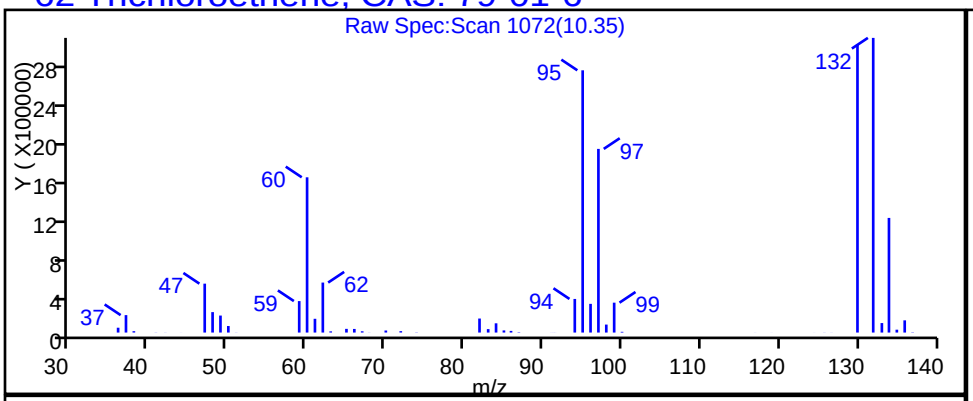


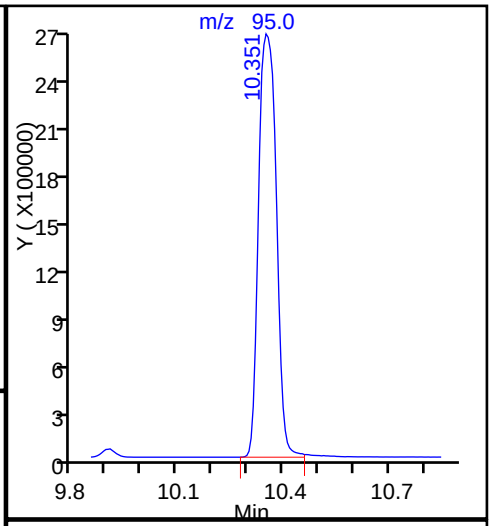


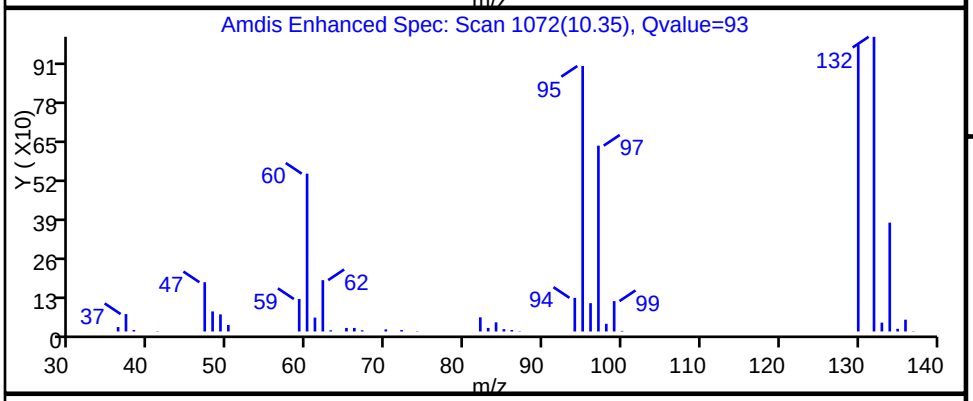
TestAmerica Buffalo

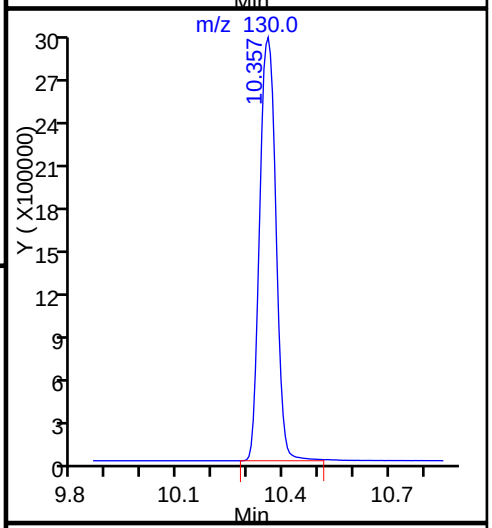
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D				
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

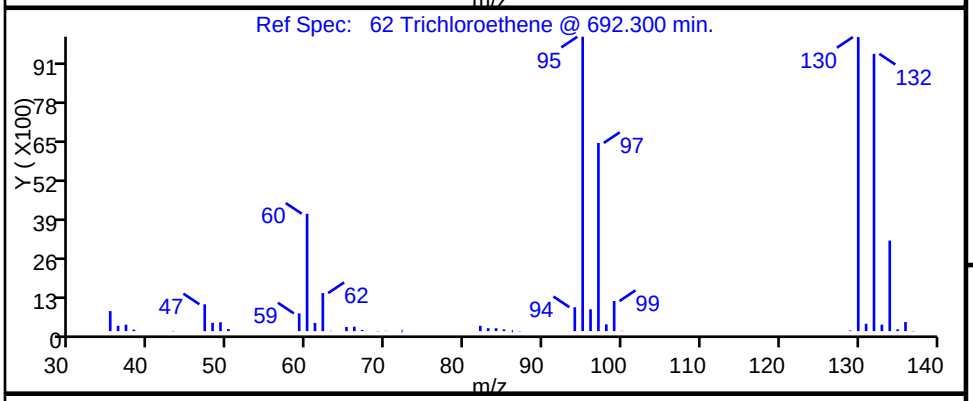
62 Trichloroethene, CAS: 79-01-6

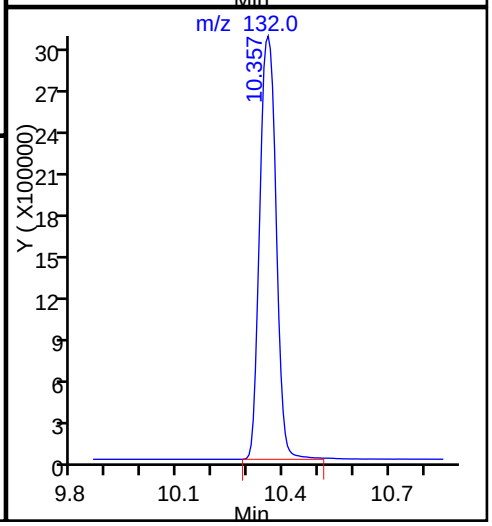


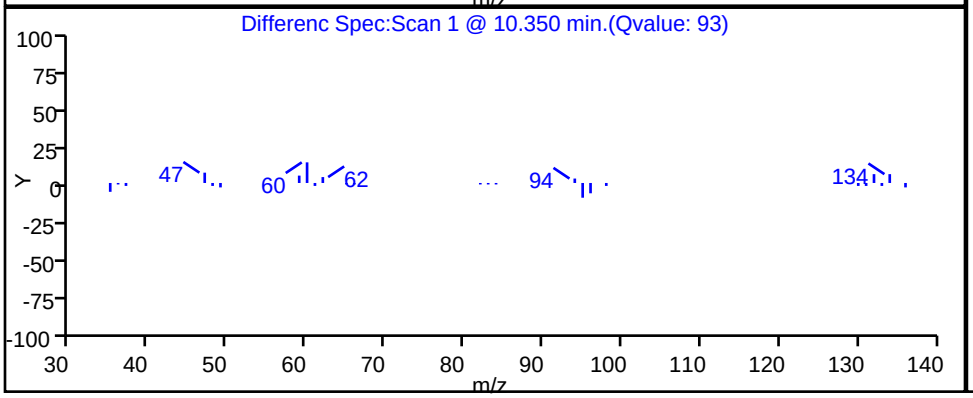










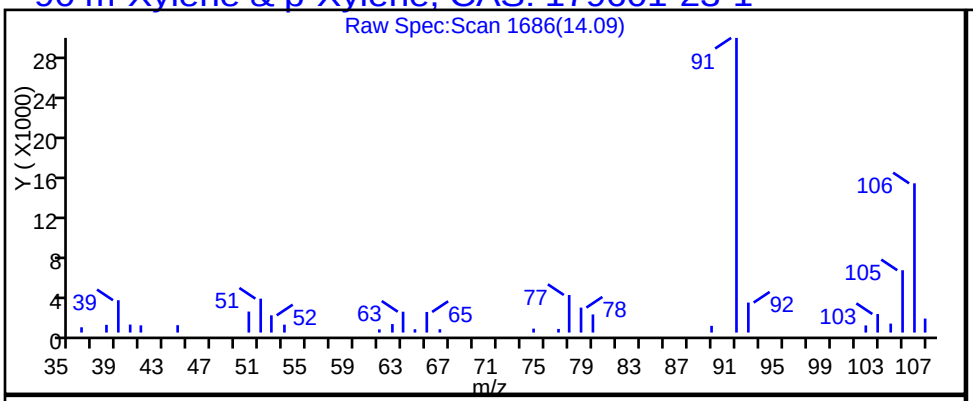


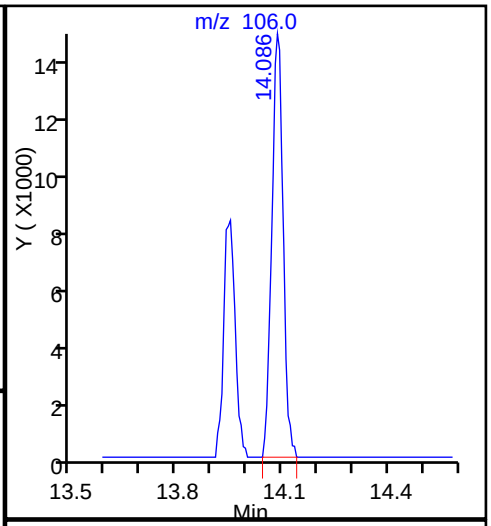
TestAmerica Buffalo

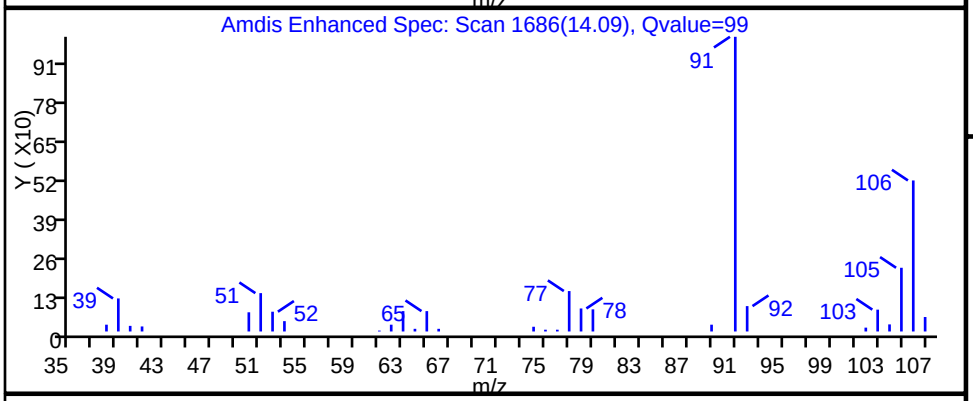
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D

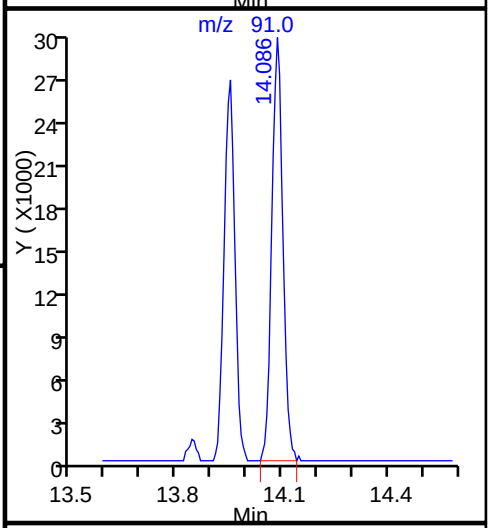
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

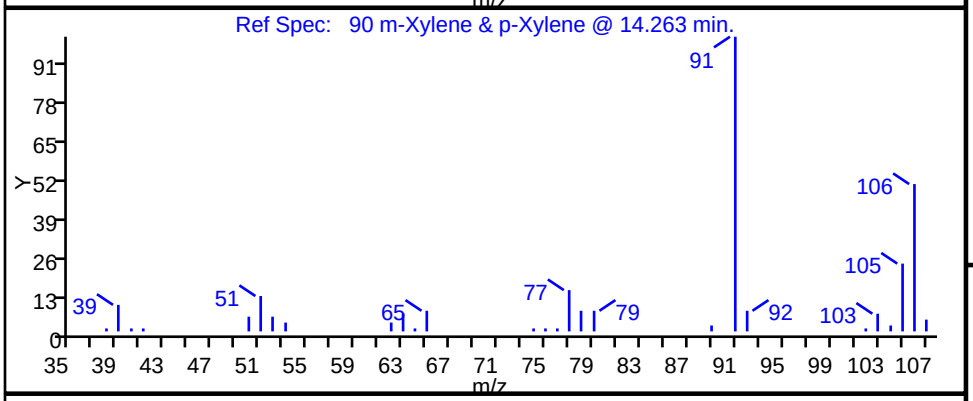
90 m-Xylene & p-Xylene, CAS: 179601-23-1

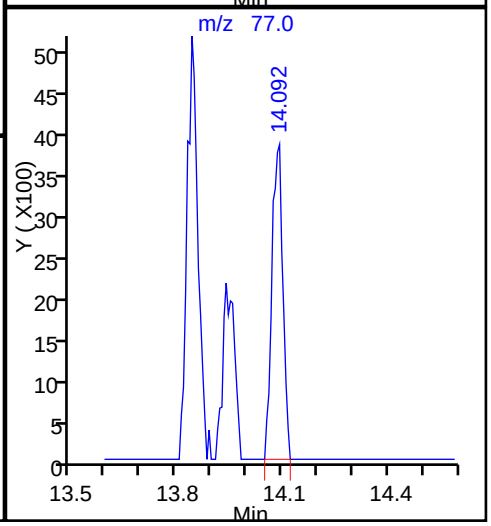


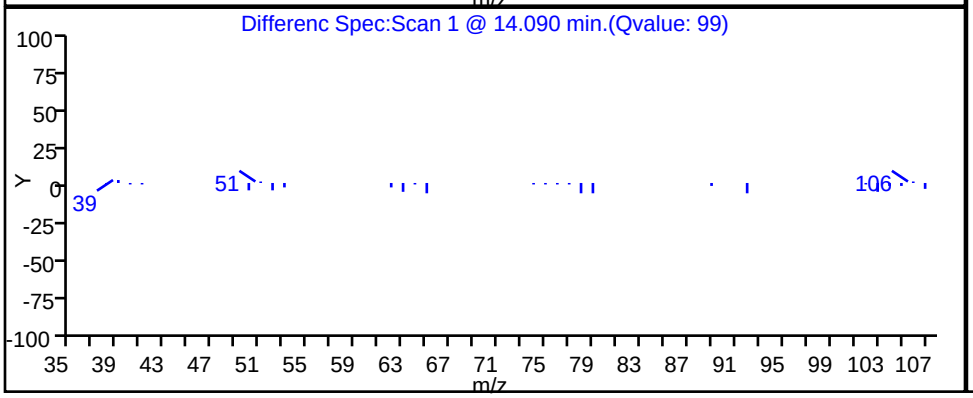








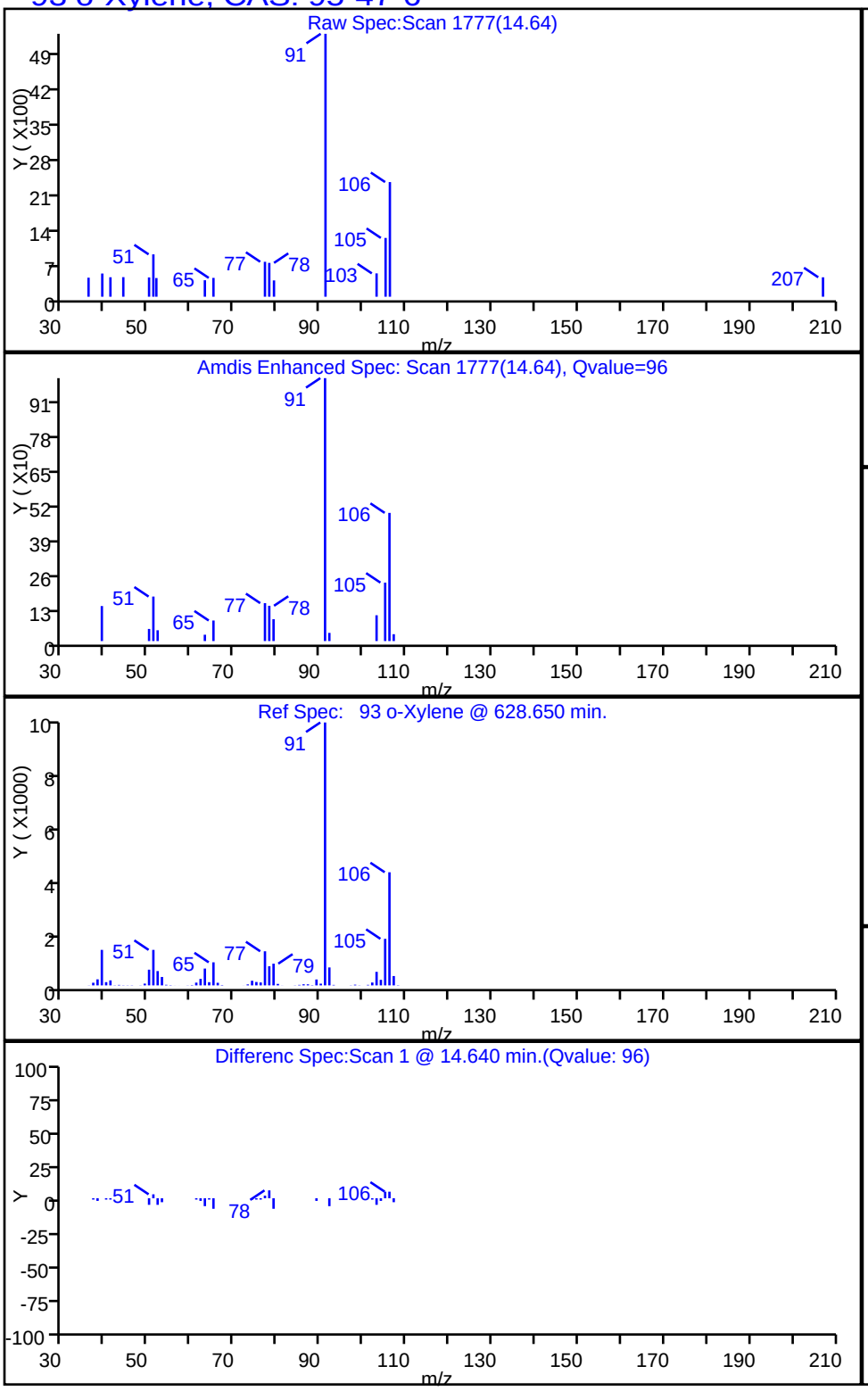


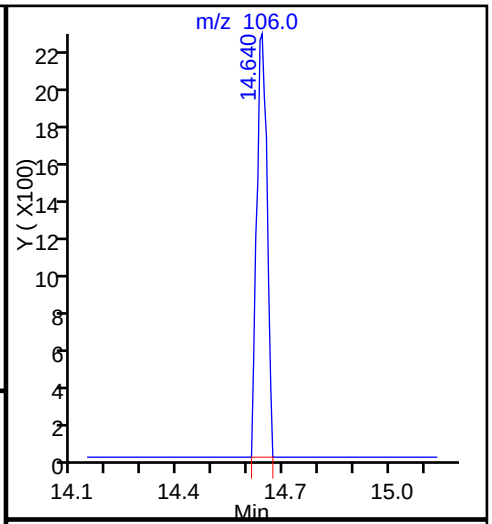


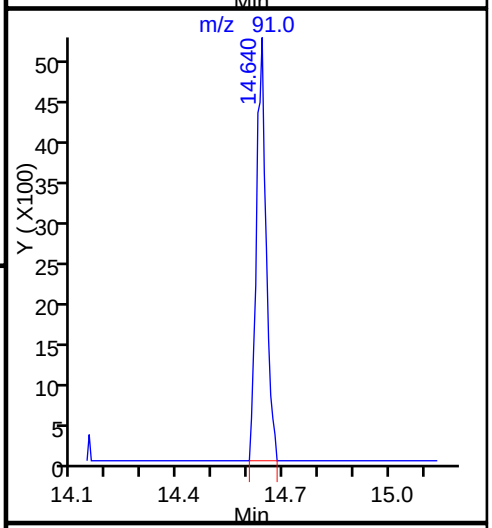
TestAmerica Buffalo

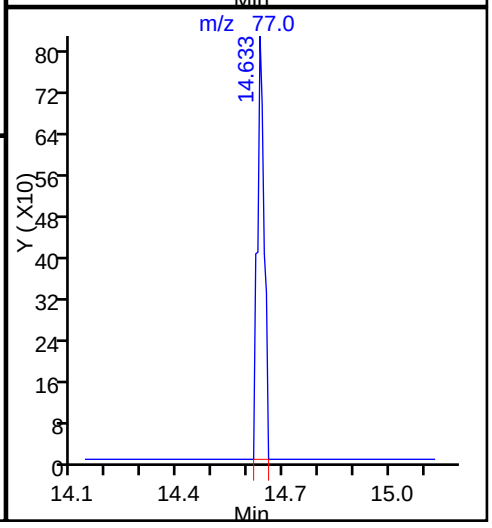
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2235.D				
Injection Date:	10-Dec-2015 18:59:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-3-A	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

93 o-Xylene, CAS: 95-47-6









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S1 DL | Lab Sample ID: 480-92213-3 DL

Matrix: Solid | Lab File ID: N5612.D

Analysis Method: 8260C | Date Collected: 12/02/2015 09:35

Sample wt/vol: 5.05(g) | Date Analyzed: 12/13/2015 17:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 8

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 279500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		890	250
79-34-5	1,1,2,2-Tetrachloroethane	ND		890	150
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		890	450
79-00-5	1,1,2-Trichloroethane	ND		890	190
75-34-3	1,1-Dichloroethane	ND		890	280
75-35-4	1,1-Dichloroethene	ND		890	310
120-82-1	1,2,4-Trichlorobenzene	ND		890	340
96-12-8	1,2-Dibromo-3-Chloropropane	ND		890	450
106-93-4	1,2-Dibromoethane	ND		890	160
95-50-1	1,2-Dichlorobenzene	ND		890	230
107-06-2	1,2-Dichloroethane	ND		890	370
78-87-5	1,2-Dichloropropane	ND		890	140
541-73-1	1,3-Dichlorobenzene	ND		890	240
106-46-7	1,4-Dichlorobenzene	ND		890	130
78-93-3	2-Butanone (MEK)	ND		4500	2700
591-78-6	2-Hexanone	ND		4500	1800
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		4500	290
67-64-1	Acetone	ND		4500	3700
71-43-2	Benzene	ND		890	170
75-27-4	Bromodichloromethane	ND		890	180
75-25-2	Bromoform	ND		890	450
74-83-9	Bromomethane	ND		890	200
75-15-0	Carbon disulfide	ND		890	410
56-23-5	Carbon tetrachloride	ND		890	230
108-90-7	Chlorobenzene	ND		890	120
75-00-3	Chloroethane	ND		890	190
67-66-3	Chloroform	ND		890	610
74-87-3	Chloromethane	ND		890	210
156-59-2	cis-1,2-Dichloroethene	2500		890	250
10061-01-5	cis-1,3-Dichloropropene	ND		890	210
110-82-7	Cyclohexane	ND		890	200
124-48-1	Dibromochloromethane	ND		890	430
75-71-8	Dichlorodifluoromethane	ND		890	390
100-41-4	Ethylbenzene	ND		890	260
98-82-8	Isopropylbenzene	ND		890	130

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S1 DL | Lab Sample ID: 480-92213-3 DL

Matrix: Solid | Lab File ID: N5612.D

Analysis Method: 8260C | Date Collected: 12/02/2015 09:35

Sample wt/vol: 5.05(g) | Date Analyzed: 12/13/2015 17:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 8

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 279500 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		890	430
1634-04-4	Methyl tert-butyl ether	ND		890	340
108-87-2	Methylcyclohexane	ND		890	420
75-09-2	Methylene Chloride	ND		890	180
100-42-5	Styrene	ND		890	220
127-18-4	Tetrachloroethene	13000		890	120
108-88-3	Toluene	1400		890	240
156-60-5	trans-1,2-Dichloroethene	ND		890	210
10061-02-6	trans-1,3-Dichloropropene	ND		890	88
79-01-6	Trichloroethene	33000		890	250
75-69-4	Trichlorofluoromethane	ND		890	420
75-01-4	Vinyl chloride	ND		890	300
1330-20-7	Xylenes, Total	ND		1800	500

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		53-146
460-00-4	4-Bromofluorobenzene (Surr)	94		49-148
2037-26-5	Toluene-d8 (Surr)	97		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5612.D
Lims ID: 480-92213-A-3-C Lab Sample ID: 480-92213-3
Client ID: B4-AREA2-S1
Sample Type: Client
Inject. Date: 13-Dec-2015 17:39:30 ALS Bottle#: 75 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-92213-A-3-C
Misc. Info.: 480-0049188-021
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 10:52:58 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 10:52:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	118853	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	418740	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	208514	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	166784	24.2	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	432086	24.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	126769	23.5	
11 Dichlorodifluoromethane	85		1.370				ND	
13 Chloromethane	50		1.541				ND	
14 Vinyl chloride	62		1.644				ND	
15 Bromomethane	94		1.973				ND	
16 Chloroethane	64		2.076				ND	
18 Trichlorofluoromethane	101		2.301				ND	
22 1,1-Dichloroethene	96		2.818				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.831				ND	
23 Acetone	43		2.916				ND	
25 Carbon disulfide	76		3.019				ND	
28 Methyl acetate	43		3.226				ND	
30 Methylene Chloride	84		3.329				ND	
32 Methyl tert-butyl ether	73		3.554				ND	
33 trans-1,2-Dichloroethene	96		3.567				ND	
36 1,1-Dichloroethane	63		3.980				ND	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	82	19350	2.81	
44 2-Butanone (MEK)	43		4.558				ND	
50 Chloroform	83		4.844				ND	
51 1,1,1-Trichloroethane	97		4.978				ND	
52 Cyclohexane	56		5.002				ND	
53 Carbon tetrachloride	117		5.124				ND	
55 Benzene	78		5.331				ND	
57 1,2-Dichloroethane	62		5.380				ND	
60 Trichloroethene	95	5.945	5.945	0.000	94	239043	37.1	
62 Methylcyclohexane	83		6.079				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.170				ND	
67 Dichlorobromomethane	83		6.456				ND	
71 cis-1,3-Dichloropropene	75		6.882				ND	
72 4-Methyl-2-pentanone (MIBK	58		7.016				ND	
73 Toluene	92	7.180	7.180	0.000	96	23329	1.56	
75 trans-1,3-Dichloropropene	75		7.442				ND	
78 1,1,2-Trichloroethane	83		7.630				ND	
79 Tetrachloroethene	166	7.722	7.722	0.000	92	101319	14.6	
82 2-Hexanone	43		7.862				ND	
83 Chlorodibromomethane	129		8.032				ND	
84 Ethylene Dibromide	107		8.141				ND	
85 Chlorobenzene	112		8.628				ND	
88 Ethylbenzene	91		8.726				ND	
90 m-Xylene & p-Xylene	106		8.847				ND	
91 o-Xylene	106		9.273				ND	
92 Styrene	104		9.297				ND	
93 Bromoform	173		9.535				ND	
95 Isopropylbenzene	105		9.656				ND	
98 1,1,2,2-Tetrachloroethane	83		10.021				ND	
110 1,3-Dichlorobenzene	146		10.910				ND	
113 1,4-Dichlorobenzene	146		10.995				ND	
116 1,2-Dichlorobenzene	146		11.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	
119 1,2,4-Trichlorobenzene	180		12.747				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

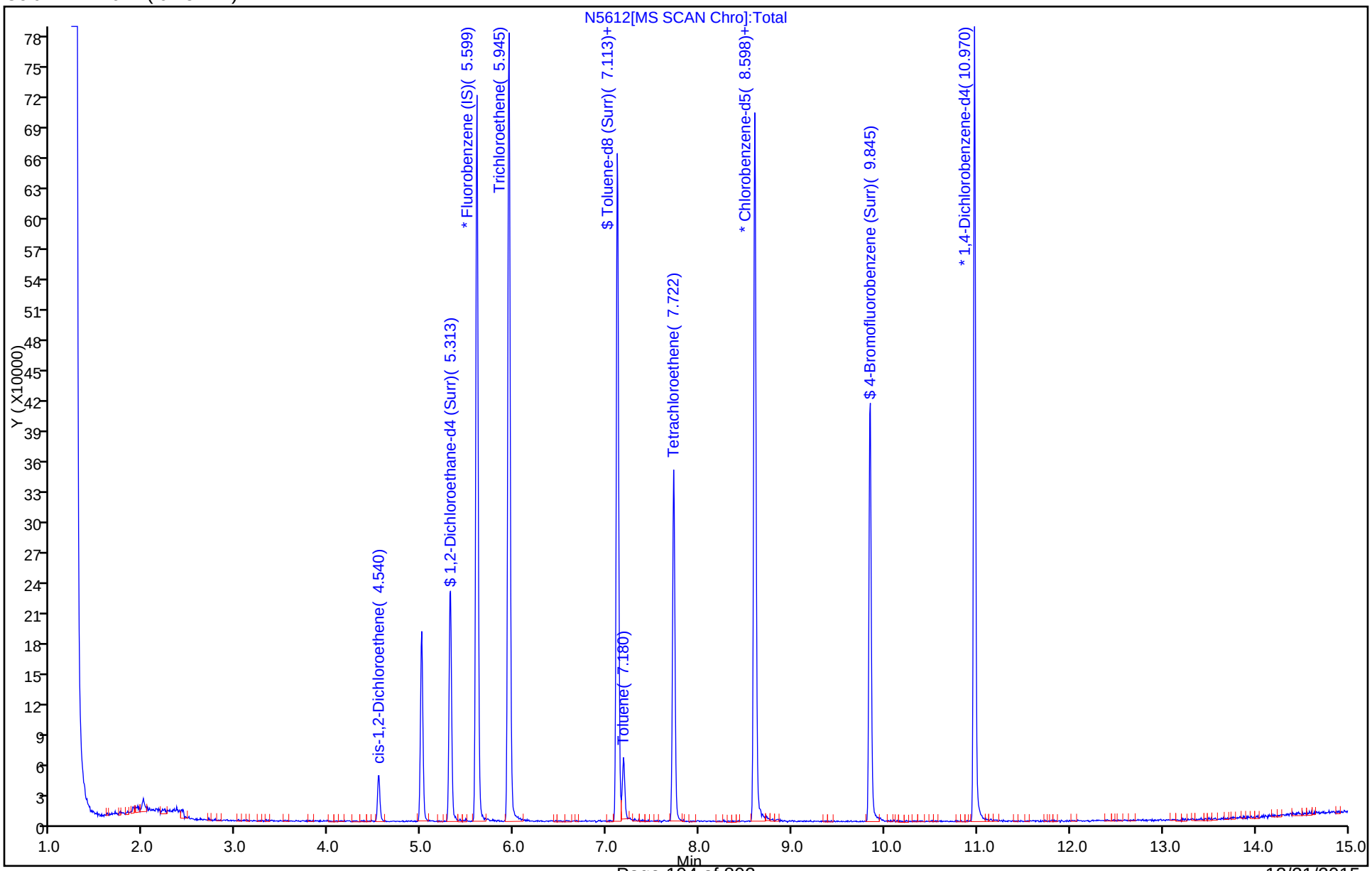
Report Date: 14-Dec-2015 10:52:59 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5612.D

Injection Date:	13-Dec-2015 17:39:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-92213-A-3-C	Lab Sample ID:	480-92213-3	Worklist Smp#:	21
Client ID:	B4-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	75
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

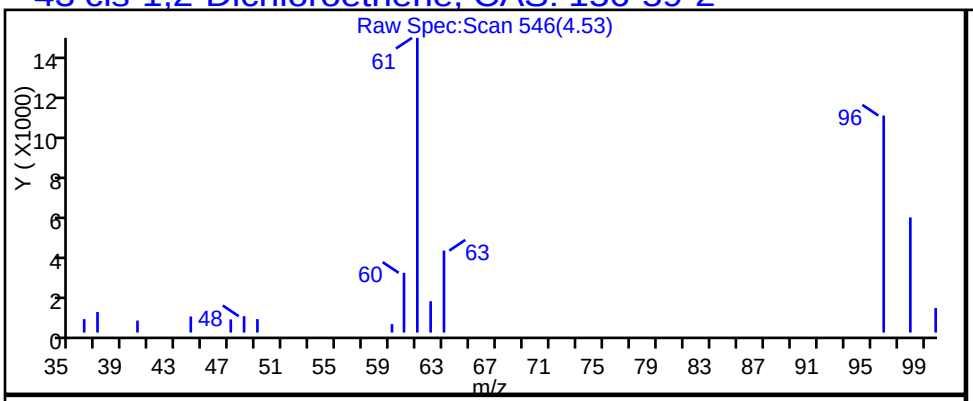


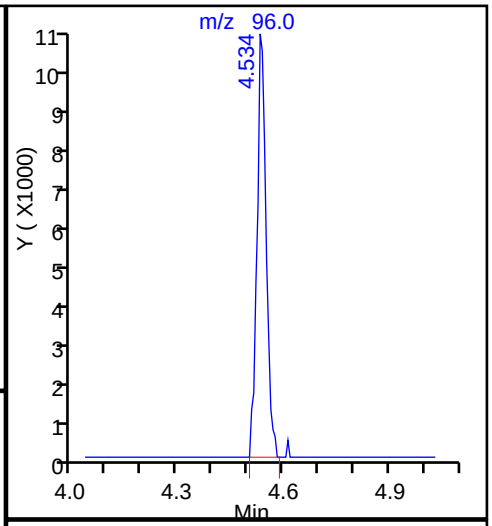
TestAmerica Buffalo

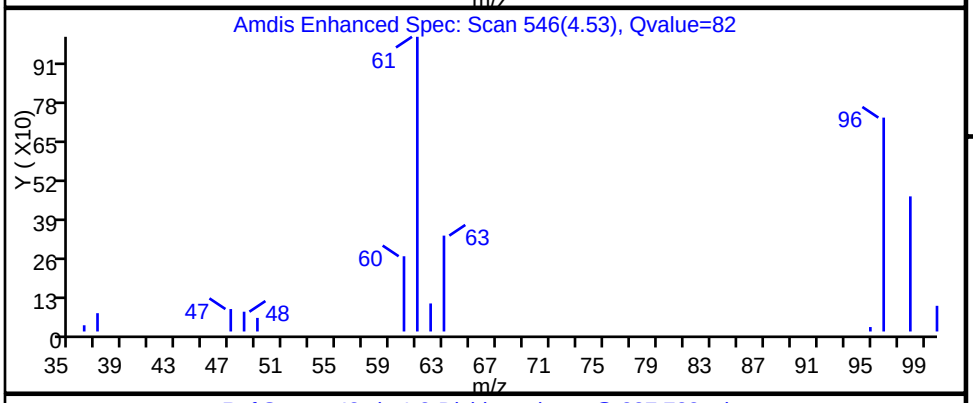
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5612.D

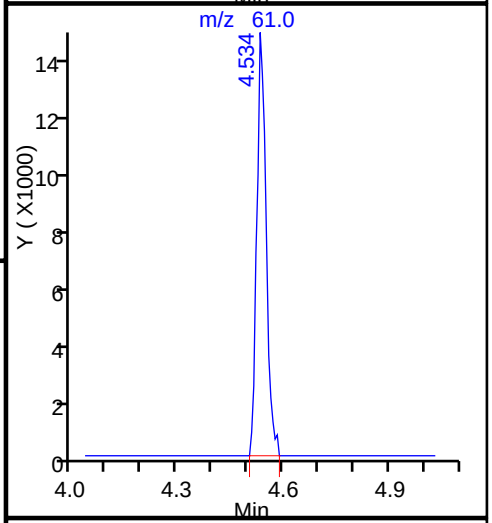
Injection Date:	13-Dec-2015 17:39:30	Instrument ID:	HP5973N		
Lims ID:	480-92213-A-3-C	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	75	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

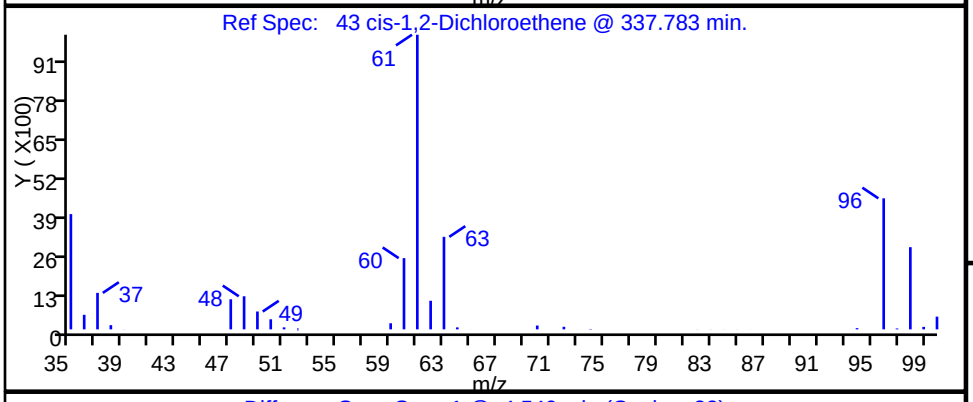
43 cis-1,2-Dichloroethene, CAS: 156-59-2

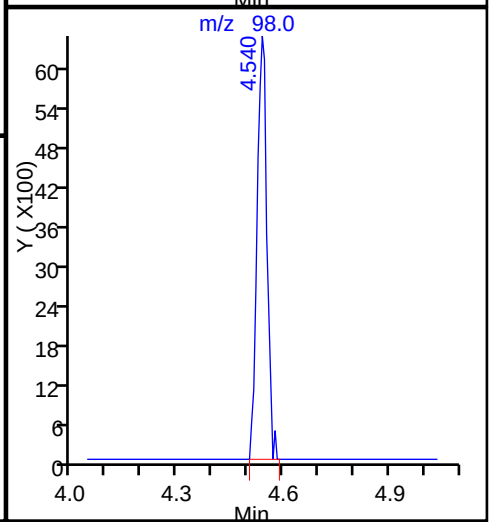


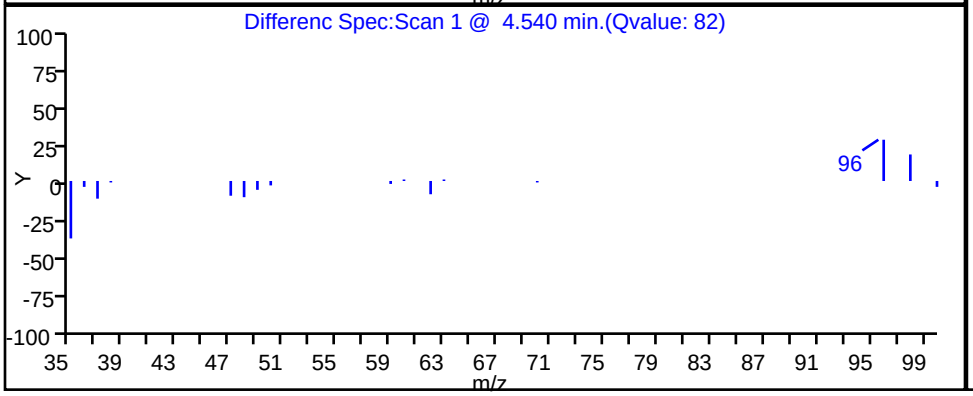










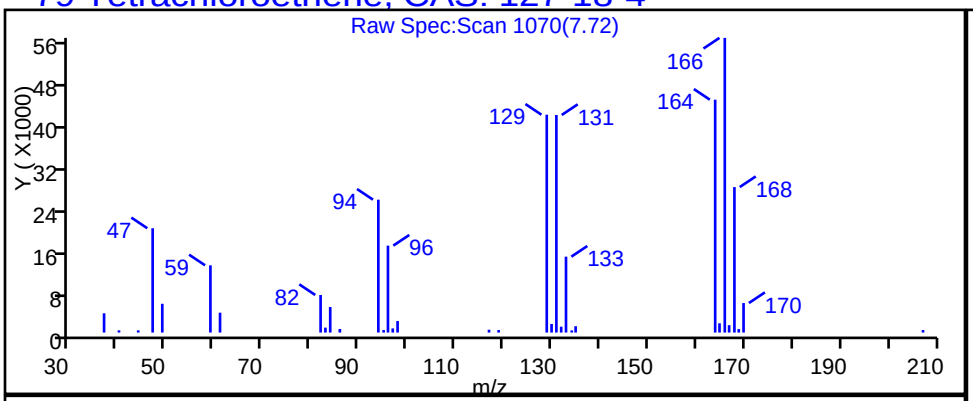


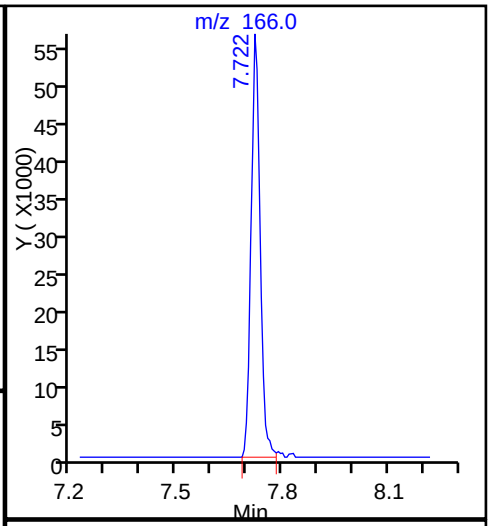
TestAmerica Buffalo

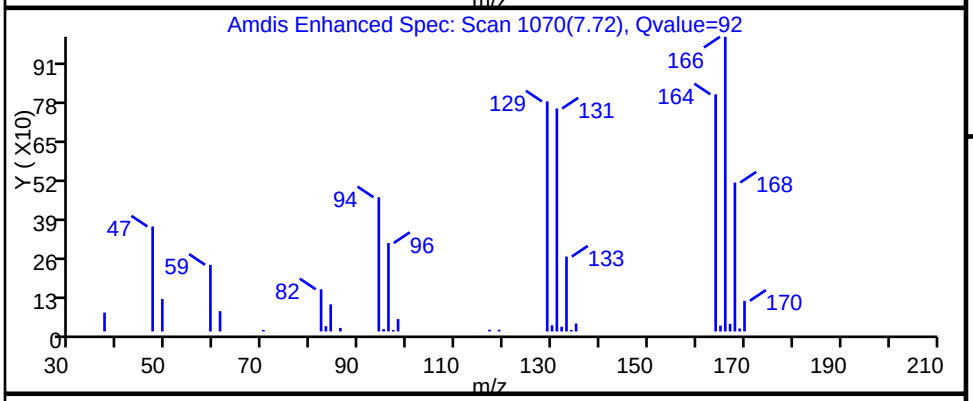
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5612.D

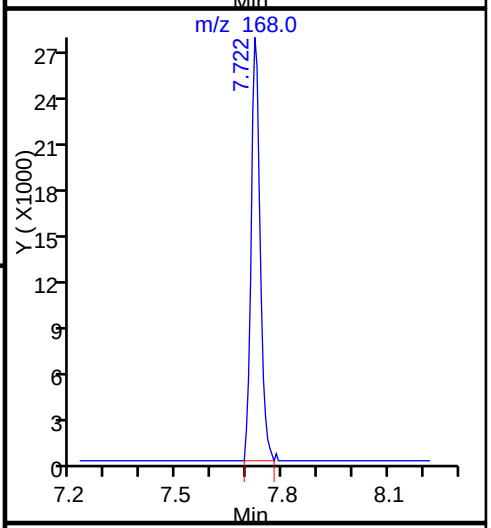
Injection Date:	13-Dec-2015 17:39:30	Instrument ID:	HP5973N
Lims ID:	480-92213-A-3-C	Lab Sample ID:	480-92213-3
Client ID:	B4-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	75 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

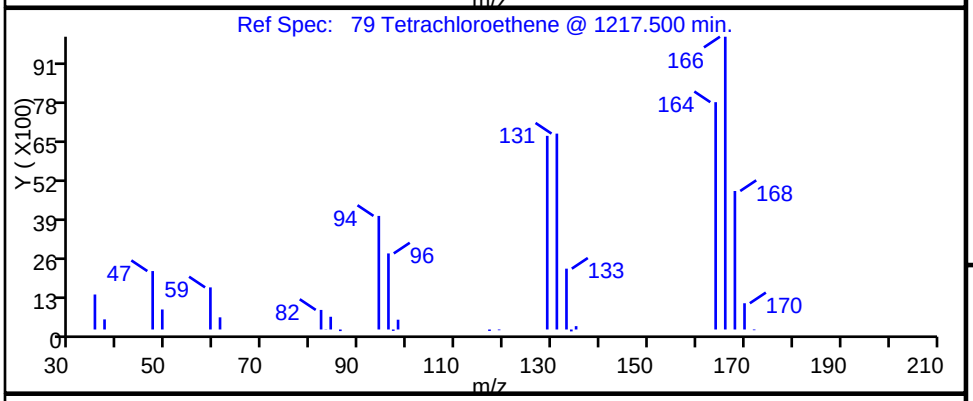
79 Tetrachloroethene, CAS: 127-18-4

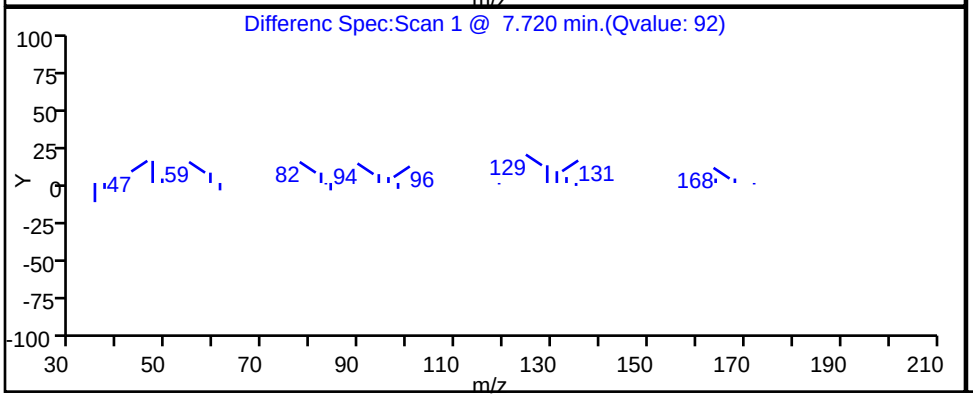


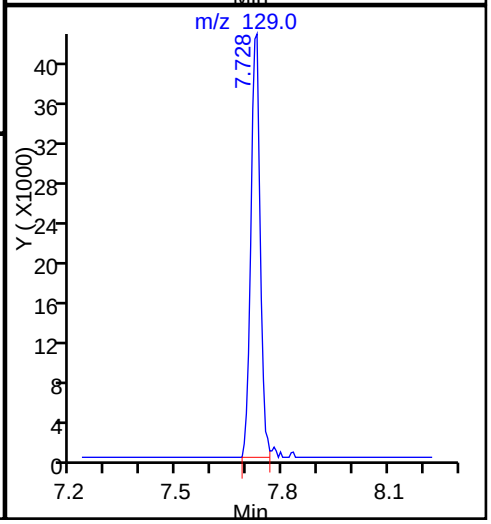










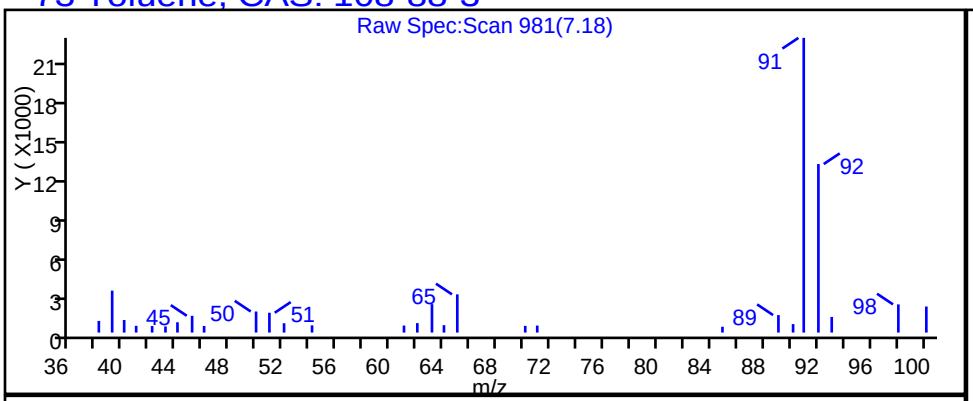


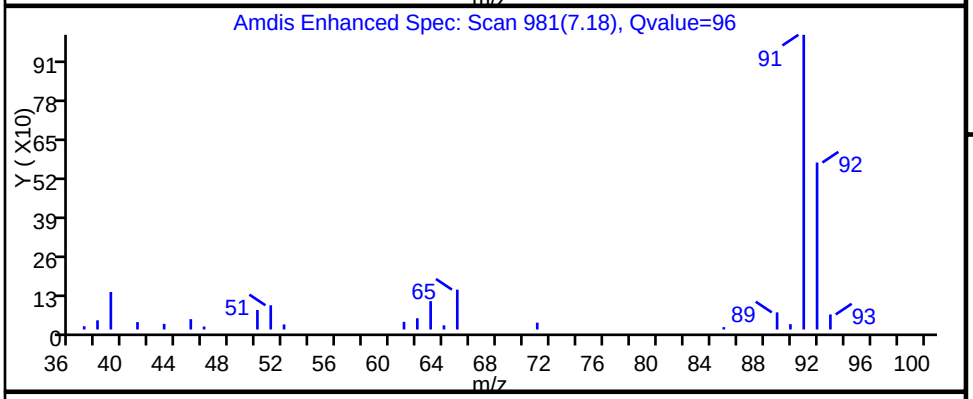
TestAmerica Buffalo

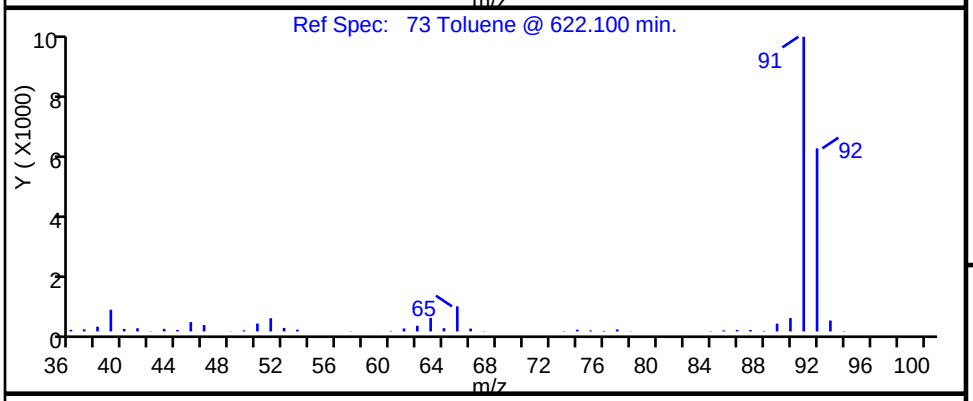
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5612.D

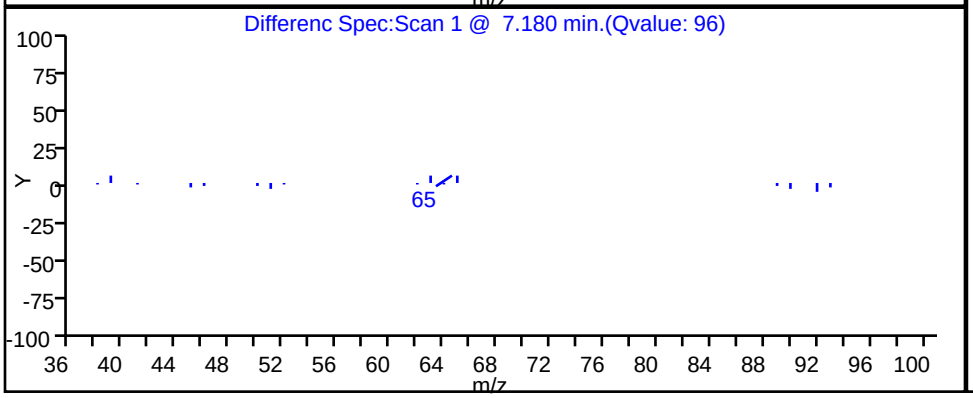
Injection Date:	13-Dec-2015 17:39:30	Instrument ID:	HP5973N		
Lims ID:	480-92213-A-3-C	Lab Sample ID:	480-92213-3		
Client ID:	B4-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	75	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

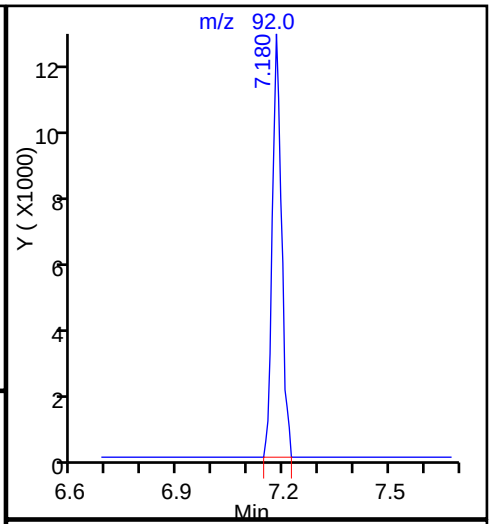
73 Toluene, CAS: 108-88-3

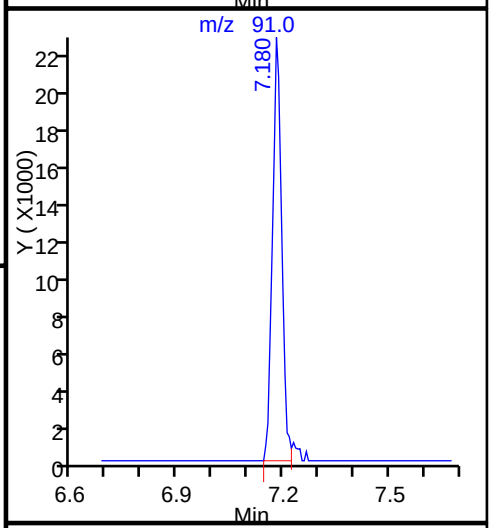


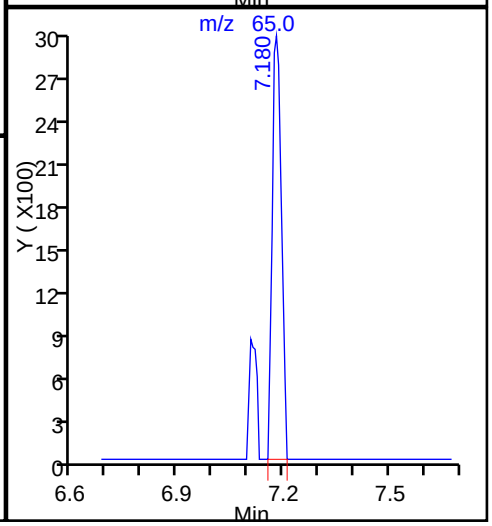










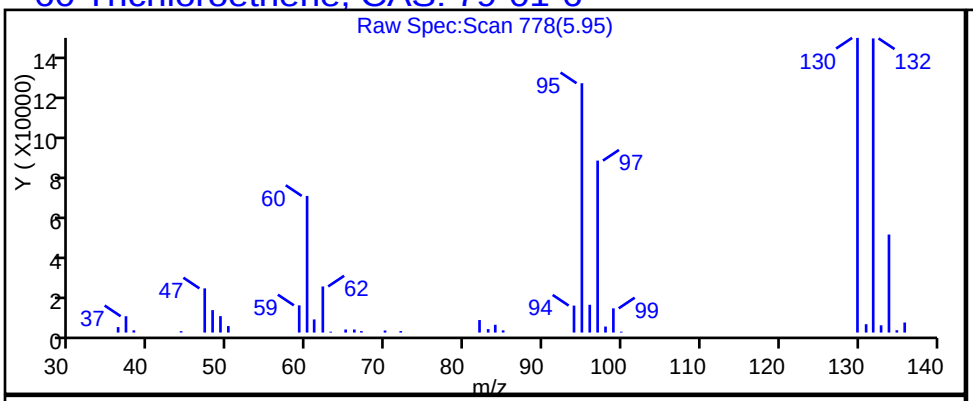


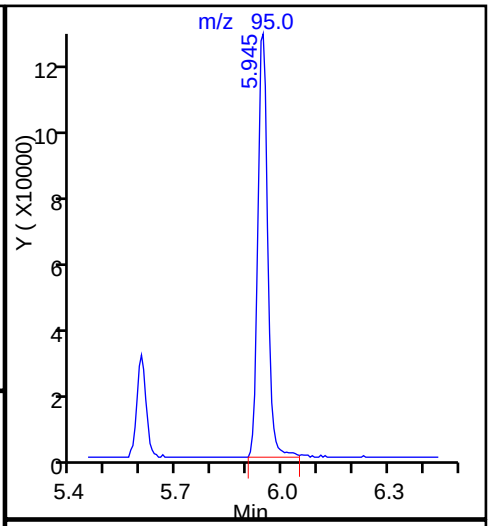
TestAmerica Buffalo

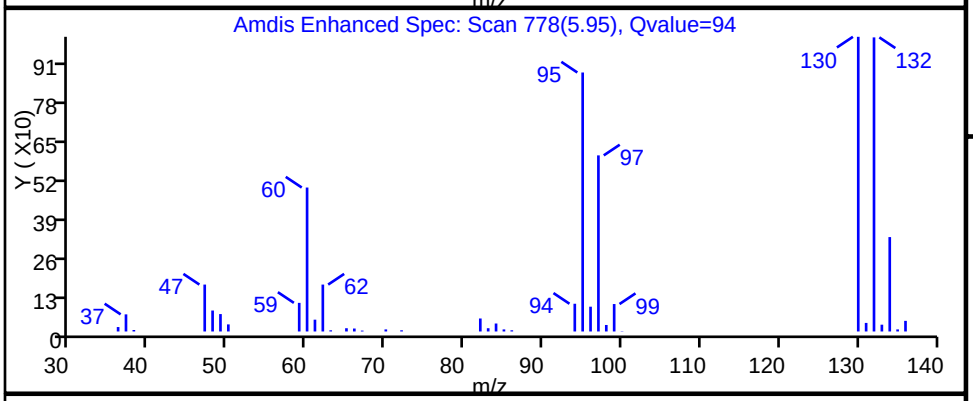
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5612.D

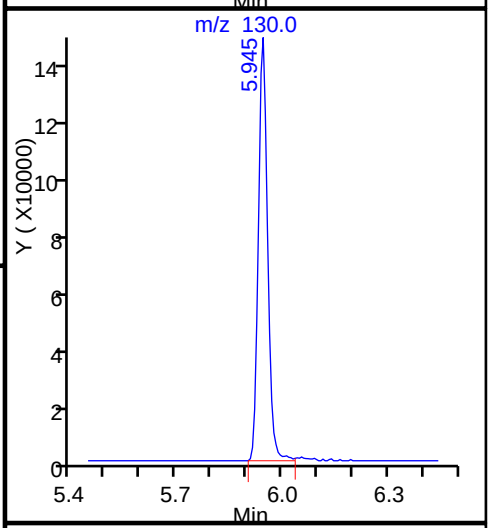
Injection Date:	13-Dec-2015 17:39:30	Instrument ID:	HP5973N
Lims ID:	480-92213-A-3-C	Lab Sample ID:	480-92213-3
Client ID:	B4-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	75 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	8.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

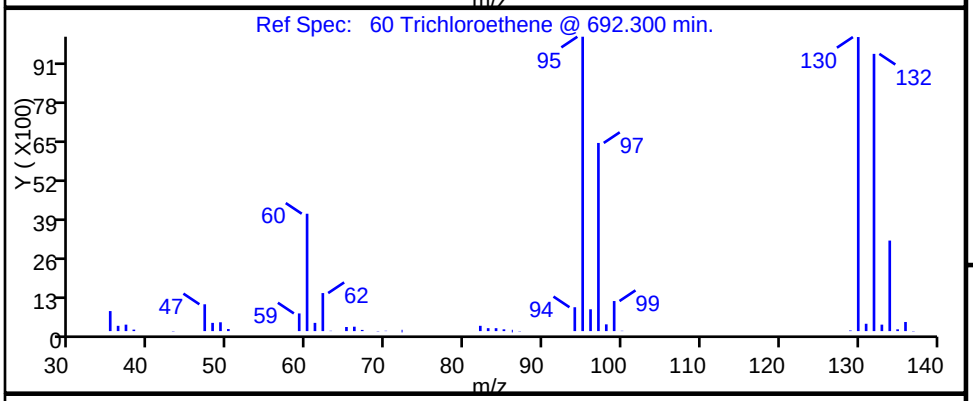
60 Trichloroethene, CAS: 79-01-6

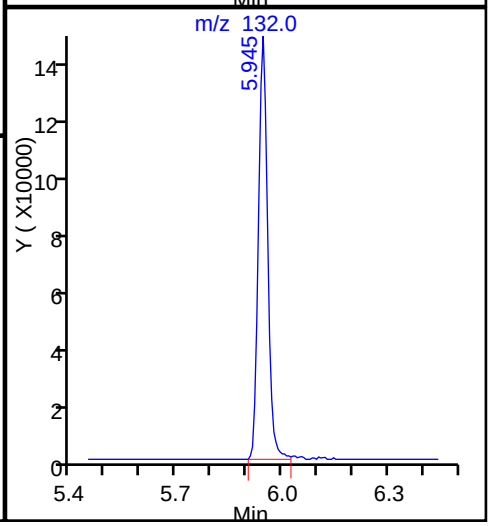


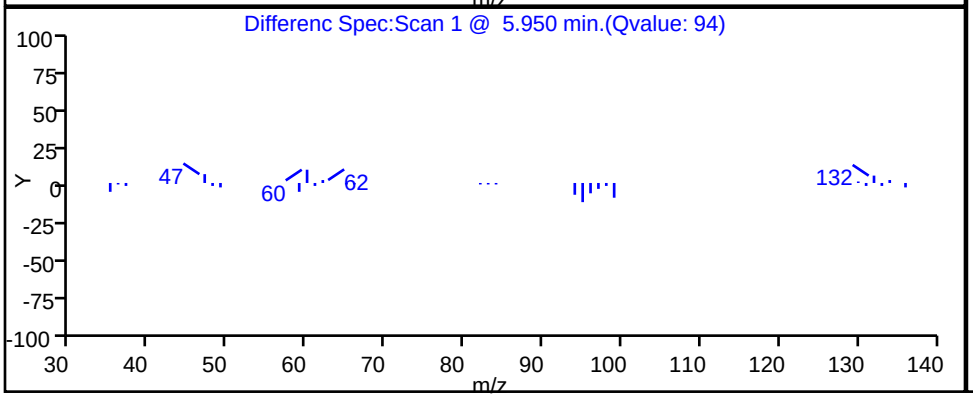












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S2 | Lab Sample ID: 480-92213-4

Matrix: Solid | Lab File ID: P2251.D

Analysis Method: 8260C | Date Collected: 12/02/2015 09:45

Sample wt/vol: 5(g) | Date Analyzed: 12/11/2015 03:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 13.1 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.8	0.42
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.8	0.93
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.8	0.75
75-34-3	1,1-Dichloroethane	ND		5.8	0.70
75-35-4	1,1-Dichloroethene	ND		5.8	0.70
120-82-1	1,2,4-Trichlorobenzene	ND		5.8	0.35
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.8	2.9
106-93-4	1,2-Dibromoethane	ND		5.8	0.74
95-50-1	1,2-Dichlorobenzene	ND		5.8	0.45
107-06-2	1,2-Dichloroethane	ND		5.8	0.29
78-87-5	1,2-Dichloropropane	ND		5.8	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.8	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.8	0.81
78-93-3	2-Butanone (MEK)	ND		29	2.1
591-78-6	2-Hexanone	ND		29	2.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	10	J B	29	4.8
71-43-2	Benzene	ND		5.8	0.28
75-27-4	Bromodichloromethane	ND		5.8	0.77
75-25-2	Bromoform	ND		5.8	2.9
74-83-9	Bromomethane	ND		5.8	0.52
75-15-0	Carbon disulfide	ND		5.8	2.9
56-23-5	Carbon tetrachloride	ND		5.8	0.56
108-90-7	Chlorobenzene	ND		5.8	0.76
75-00-3	Chloroethane	ND		5.8	1.3
67-66-3	Chloroform	ND		5.8	0.36
74-87-3	Chloromethane	ND		5.8	0.35
156-59-2	cis-1,2-Dichloroethene	1.2	J	5.8	0.74
10061-01-5	cis-1,3-Dichloropropene	ND		5.8	0.83
110-82-7	Cyclohexane	ND		5.8	0.81
124-48-1	Dibromochloromethane	ND		5.8	0.74
75-71-8	Dichlorodifluoromethane	ND		5.8	0.48
100-41-4	Ethylbenzene	ND		5.8	0.40
98-82-8	Isopropylbenzene	ND		5.8	0.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S2 | Lab Sample ID: 480-92213-4

Matrix: Solid | Lab File ID: P2251.D

Analysis Method: 8260C | Date Collected: 12/02/2015 09:45

Sample wt/vol: 5(g) | Date Analyzed: 12/11/2015 03:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 13.1 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.8	3.5
1634-04-4	Methyl tert-butyl ether	ND		5.8	0.56
108-87-2	Methylcyclohexane	ND		5.8	0.87
75-09-2	Methylene Chloride	ND		5.8	2.6
100-42-5	Styrene	ND		5.8	0.29
127-18-4	Tetrachloroethene	2.6	J	5.8	0.77
108-88-3	Toluene	ND		5.8	0.43
156-60-5	trans-1,2-Dichloroethene	ND		5.8	0.59
10061-02-6	trans-1,3-Dichloropropene	ND		5.8	2.5
79-01-6	Trichloroethene	1.7	J	5.8	1.3
75-69-4	Trichlorofluoromethane	ND		5.8	0.54
75-01-4	Vinyl chloride	ND		5.8	0.70
1330-20-7	Xylenes, Total	ND		12	0.97

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	84		72-126
2037-26-5	Toluene-d8 (Surr)	112		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2251.D
Lims ID: 480-92213-A-4-B Lab Sample ID: 480-92213-4
Client ID: B4-AREA2-S2
Sample Type: Client
Inject. Date: 11-Dec-2015 03:16:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-4-B
Misc. Info.: 480-0049138-011
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 10:57:00 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 10:57:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.900	0.000	98	250999	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	430893	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	317577	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	207823	53.6	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	1055991	56.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	90	274744	41.8	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.346				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.415	6.390	0.025	98	25929	9.01	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.773				ND	
31 Methylene Chloride	84	6.993	6.986	0.007	94	22280	0.5859	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.538	8.525	0.013	83	7859	1.03	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.351	10.350	0.001	93	11290	1.51	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	13231	2.25	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.340				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

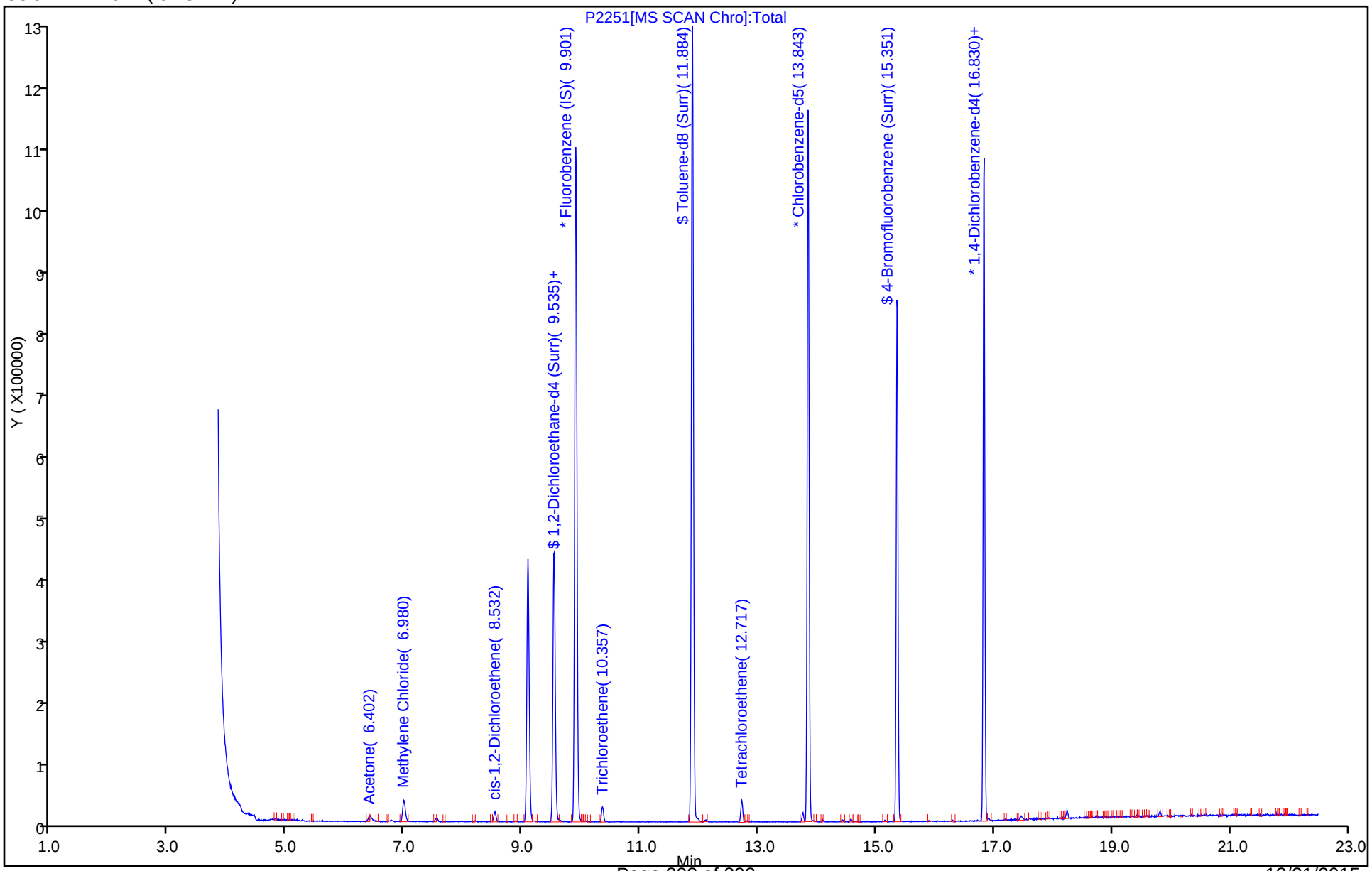
Report Date: 11-Dec-2015 10:57:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2251.D

Injection Date:	11-Dec-2015 03:16:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-4-B	Lab Sample ID:	480-92213-4	Worklist Smp#:	11
Client ID:	B4-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

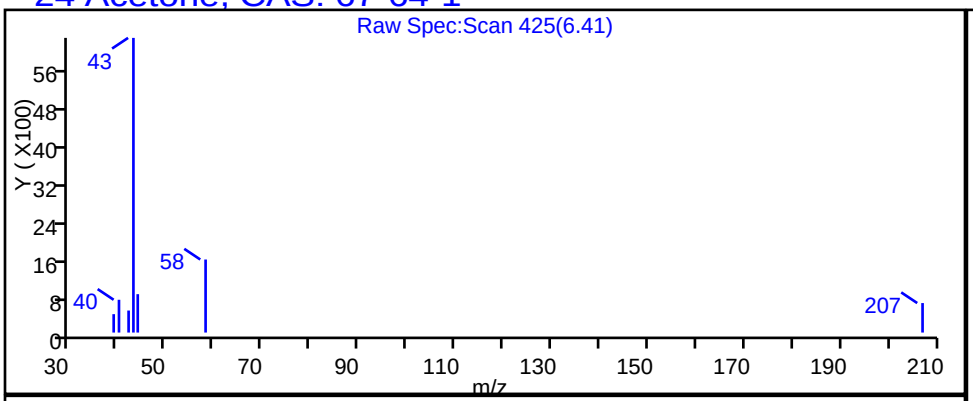


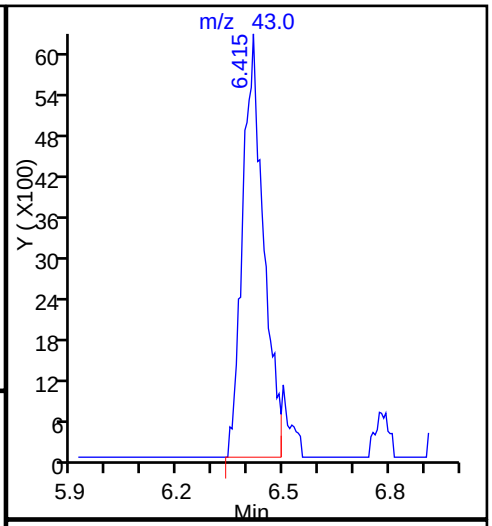
TestAmerica Buffalo

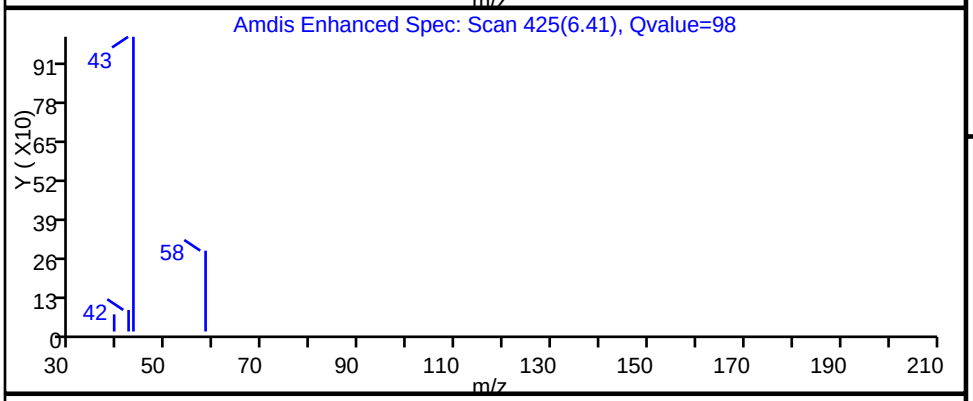
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2251.D

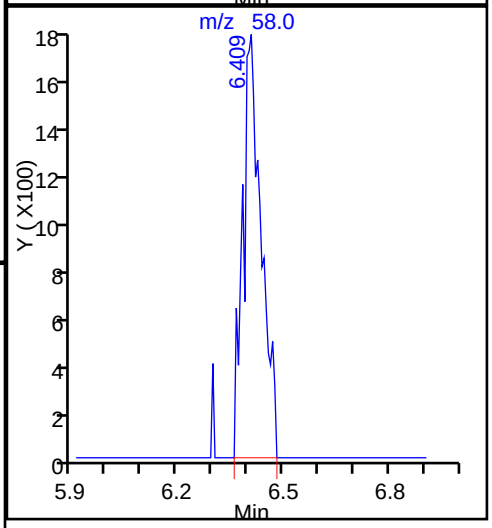
Injection Date:	11-Dec-2015 03:16:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-4-B	Lab Sample ID:	480-92213-4		
Client ID:	B4-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

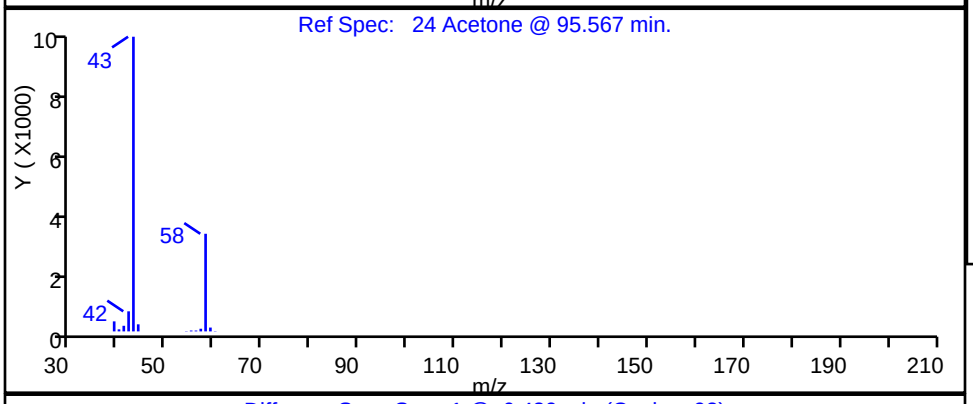
24 Acetone, CAS: 67-64-1

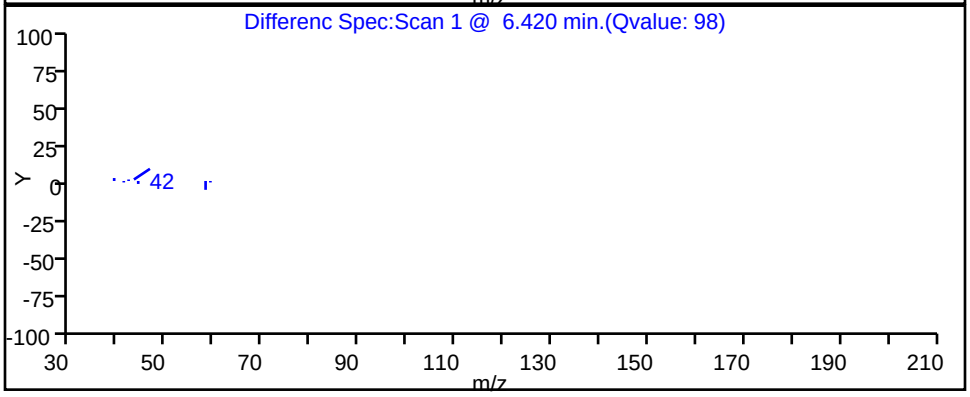








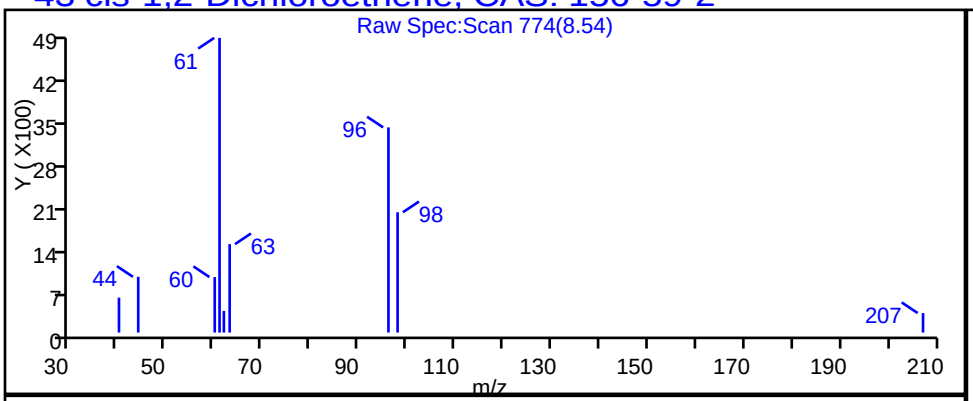


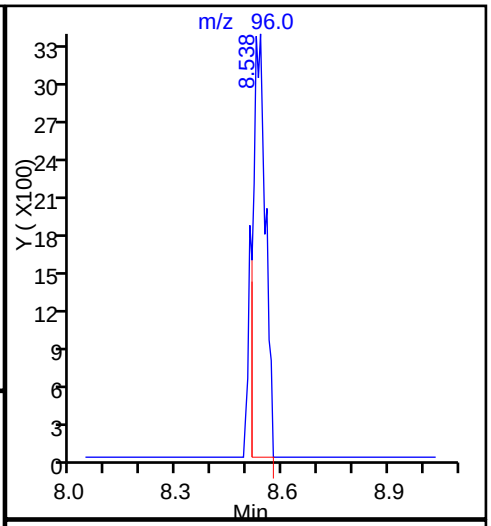


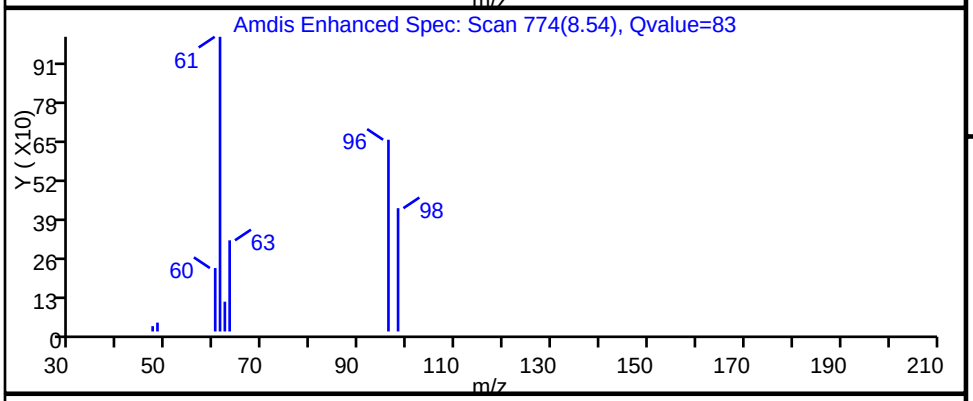
TestAmerica Buffalo

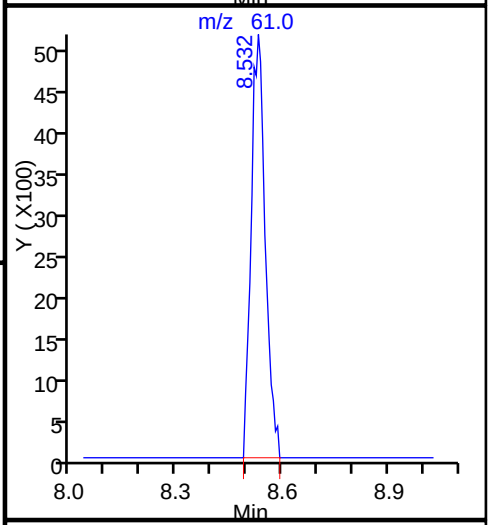
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2251.D				
Injection Date:	11-Dec-2015 03:16:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-4-B	Lab Sample ID:	480-92213-4		
Client ID:	B4-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

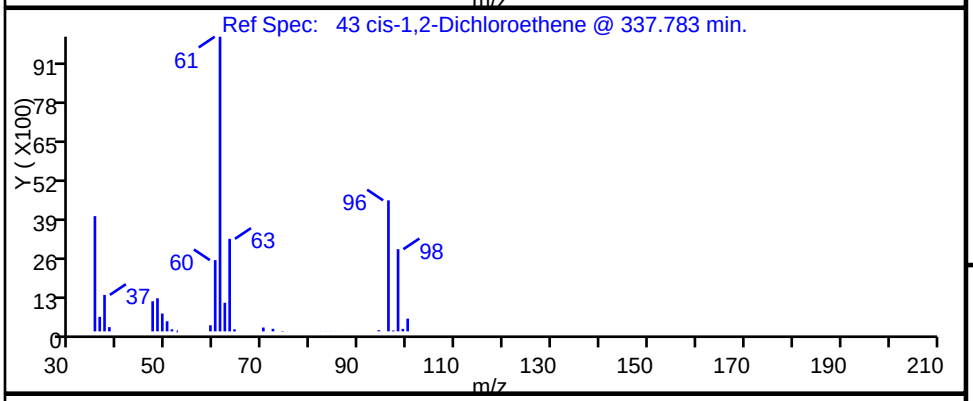
43 cis-1,2-Dichloroethene, CAS: 156-59-2

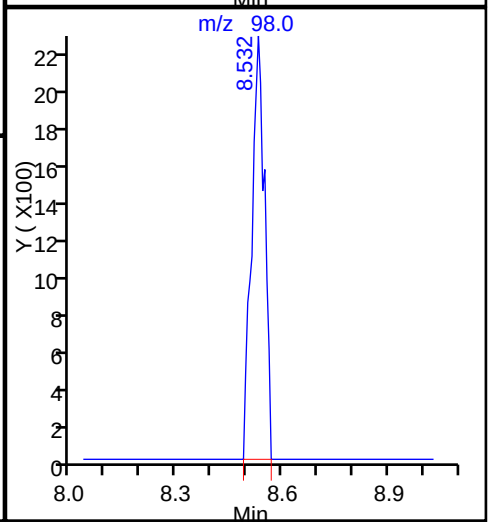


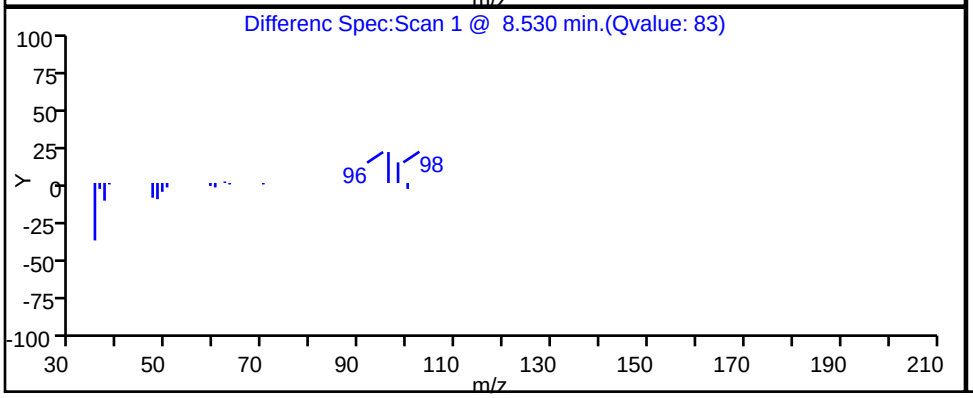










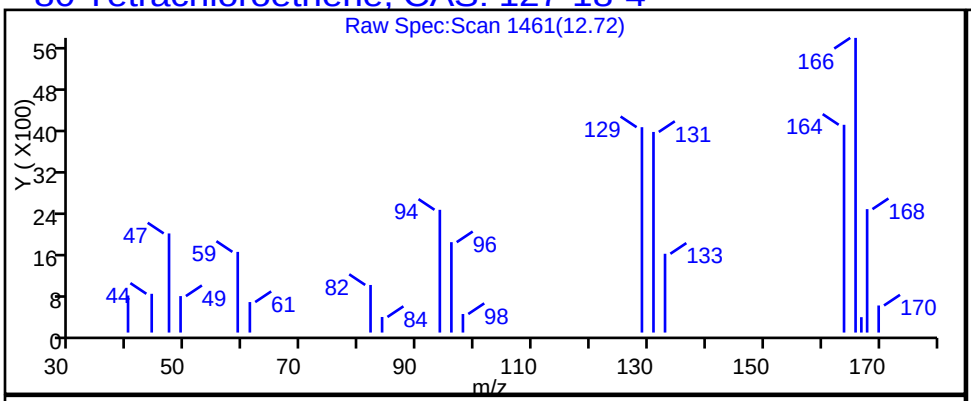


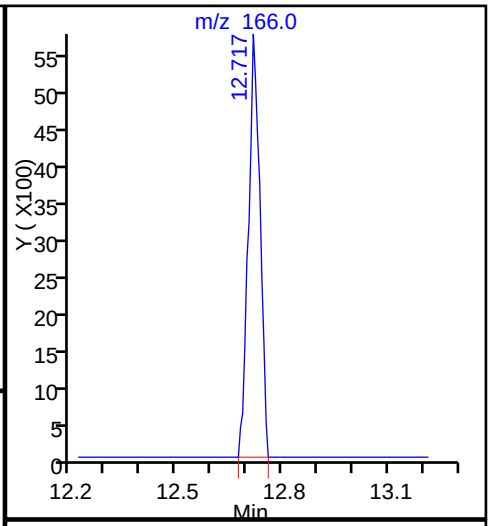
TestAmerica Buffalo

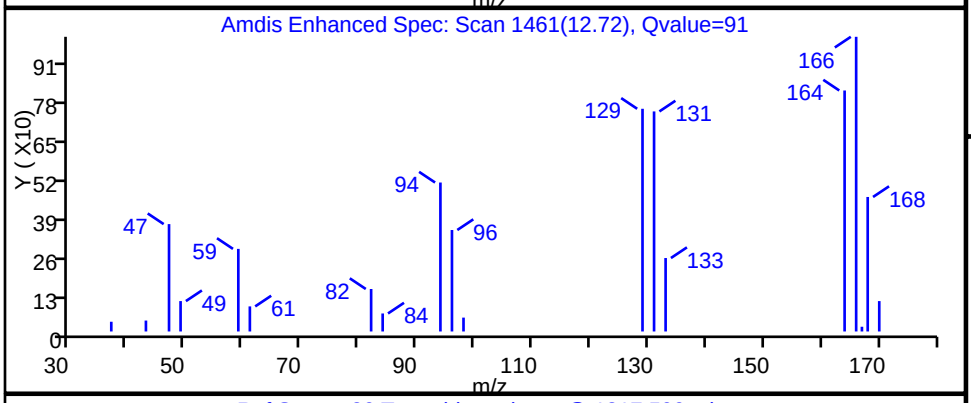
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2251.D

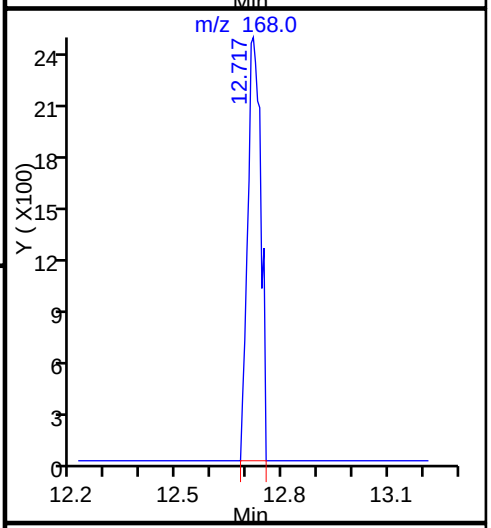
Injection Date:	11-Dec-2015 03:16:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-4-B	Lab Sample ID:	480-92213-4		
Client ID:	B4-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

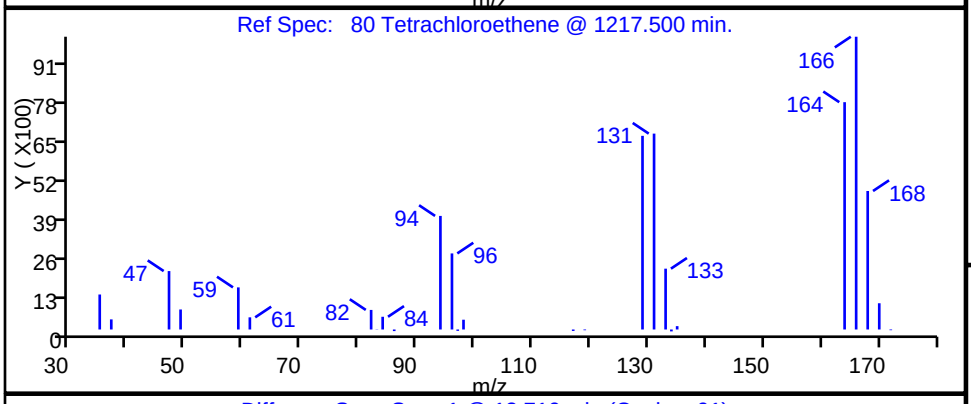
80 Tetrachloroethene, CAS: 127-18-4

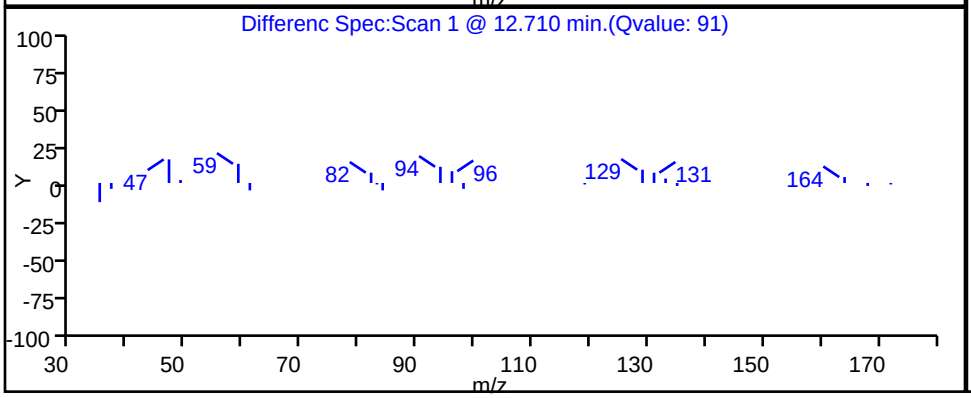


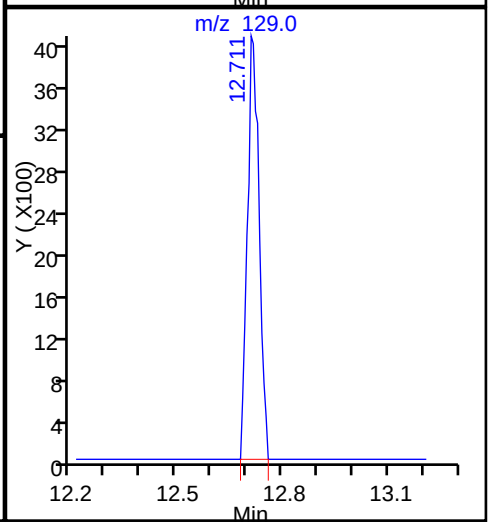








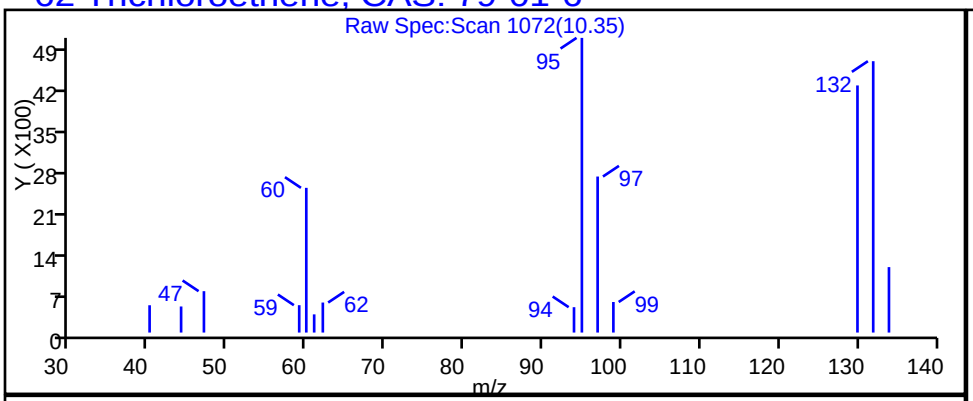


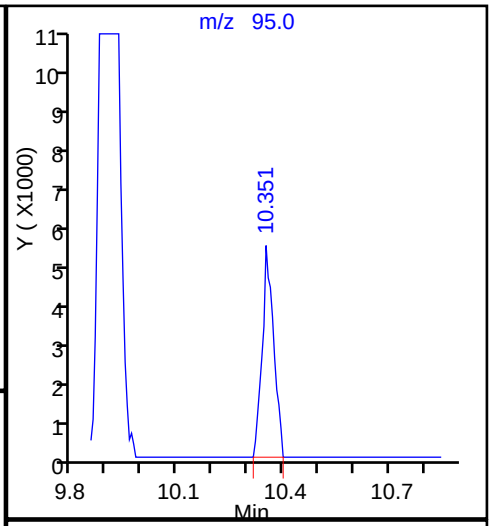


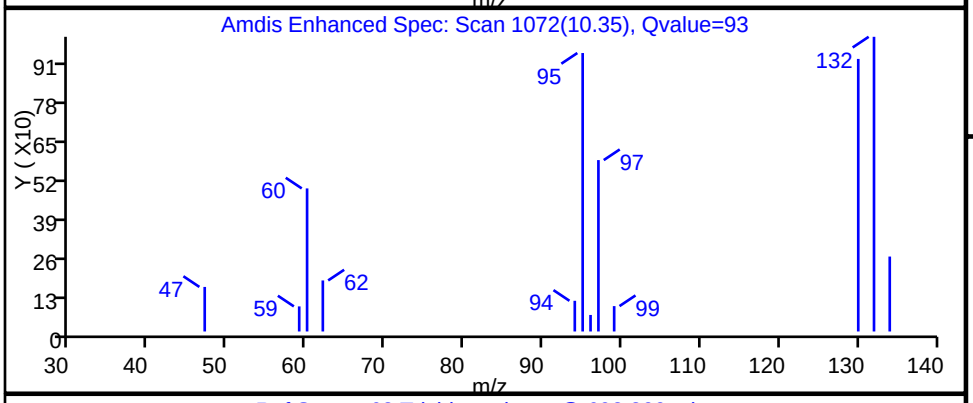
TestAmerica Buffalo

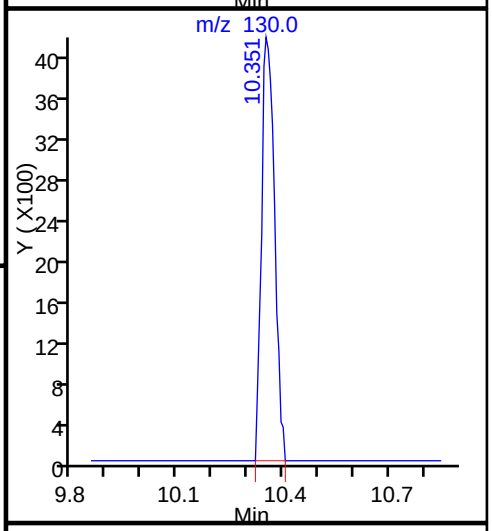
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2251.D				
Injection Date:	11-Dec-2015 03:16:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-4-B	Lab Sample ID:	480-92213-4		
Client ID:	B4-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

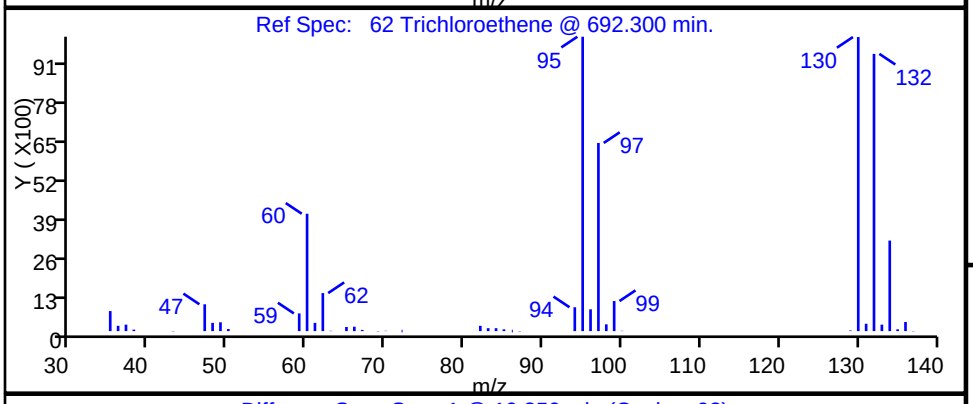
62 Trichloroethene, CAS: 79-01-6

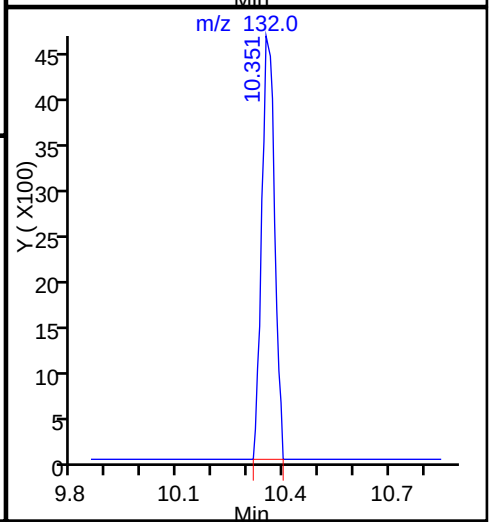


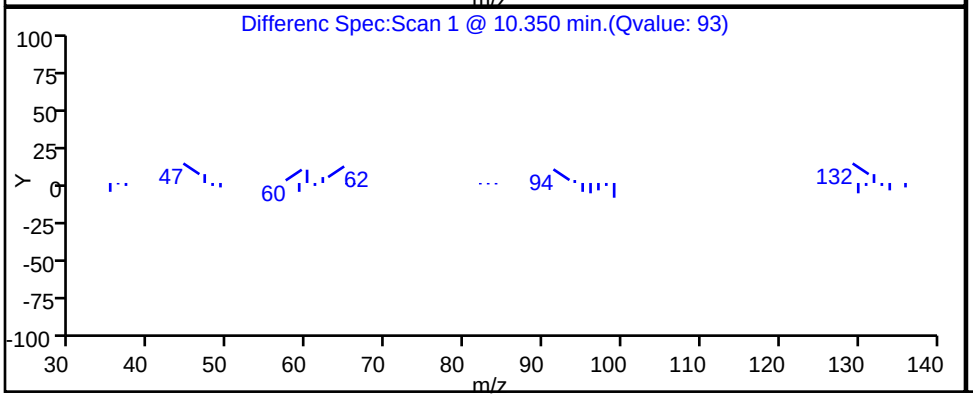












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S3 | Lab Sample ID: 480-92213-5

Matrix: Solid | Lab File ID: P2252.D

Analysis Method: 8260C | Date Collected: 12/02/2015 14:10

Sample wt/vol: 5.07(g) | Date Analyzed: 12/11/2015 03:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	ND		5.4	0.65
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	6.3	J B	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	0.69	J	5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	6.9		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B4-AREA2-S3 | Lab Sample ID: 480-92213-5

Matrix: Solid | Lab File ID: P2252.D

Analysis Method: 8260C | Date Collected: 12/02/2015 14:10

Sample wt/vol: 5.07(g) | Date Analyzed: 12/11/2015 03:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	9.5		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	21		5.4	0.72
108-88-3	Toluene	0.57	J	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	3.5	J	5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.65
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	78		72-126
2037-26-5	Toluene-d8 (Surr)	106		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D
Lims ID: 480-92213-A-5-B Lab Sample ID: 480-92213-5
Client ID: B4-AREA2-S3
Sample Type: Client
Inject. Date: 11-Dec-2015 03:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-5-B
Misc. Info.: 480-0049138-012
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 10:57:00 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 10:58:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	240416	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	432082	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	272936	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	203032	54.6	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	998002	52.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	92	256332	38.9	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.346				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	98	16070	5.83	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.773				ND	
31 Methylene Chloride	84	6.980	6.986	-0.006	94	76659	8.89	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	86	4498	0.2990	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.538	8.525	0.013	83	47179	6.43	
49 Chloroform	83	8.878	8.878	0.000	94	8324	0.6429	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.357	10.350	0.007	95	23540	3.28	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	94	8091	0.5272	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	94	117778	20.0	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91	13.952	13.946	0.006	93	5545	0.2085	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	97	5129	0.4550	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.340				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1				0		0.4550	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

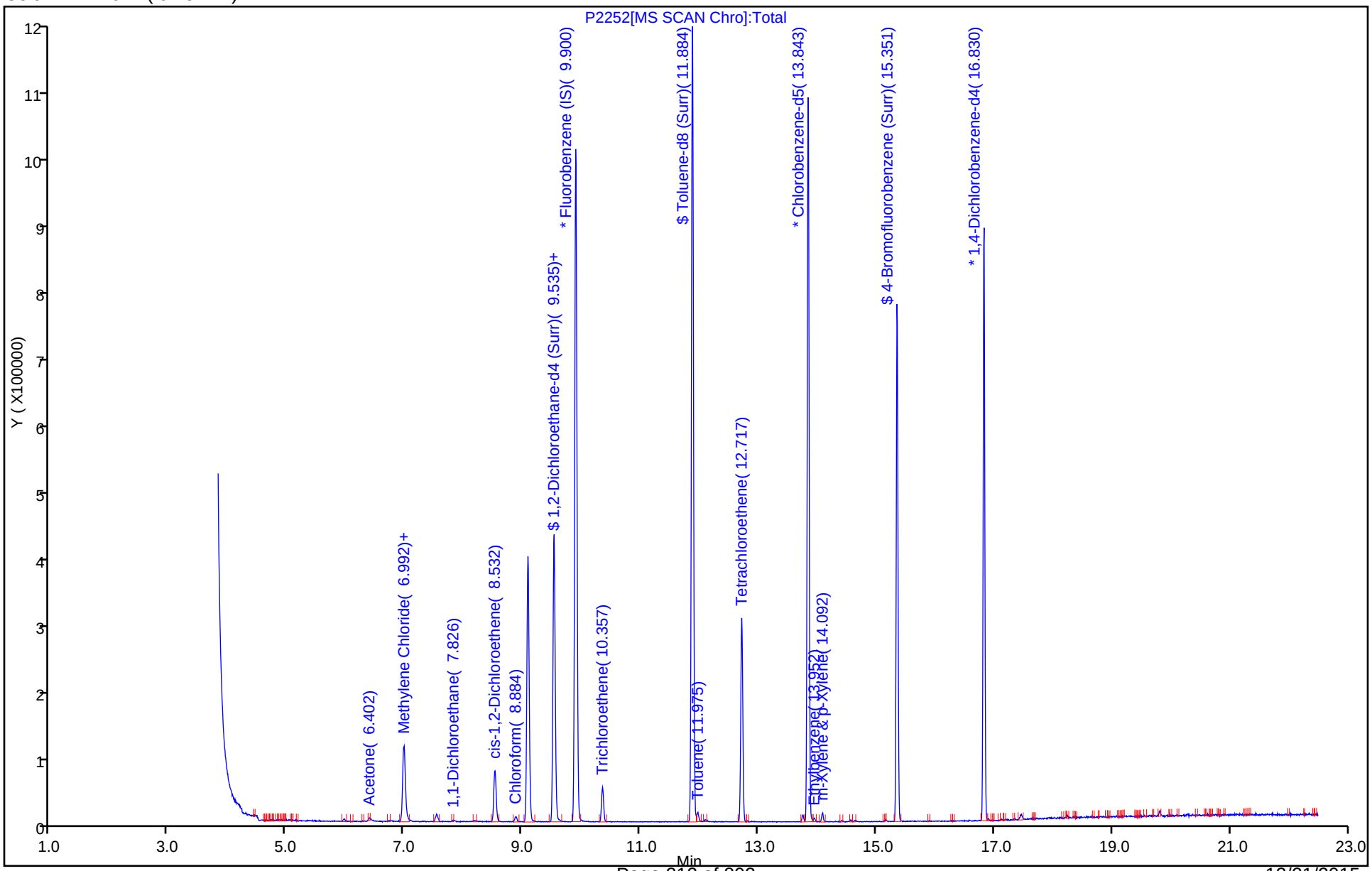
Report Date: 11-Dec-2015 10:58:11 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D

Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5	Worklist Smp#:	12
Client ID:	B4-AREA2-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

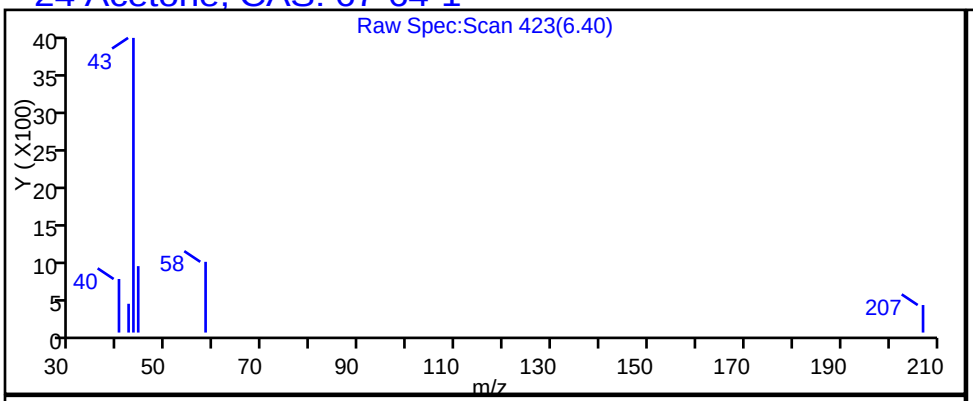


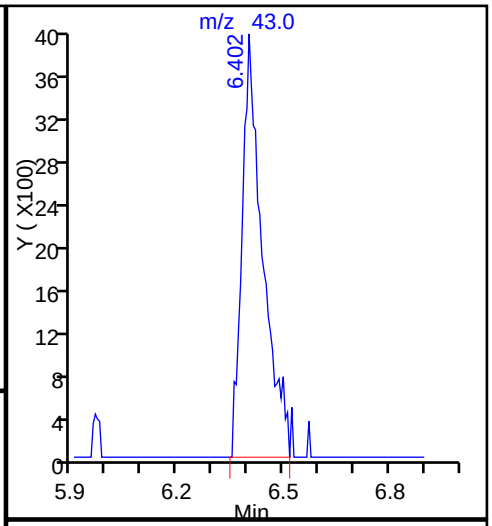
TestAmerica Buffalo

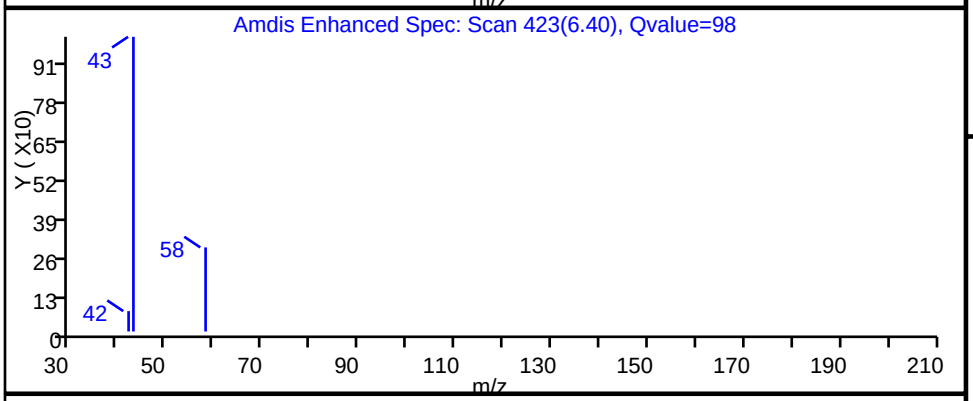
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D

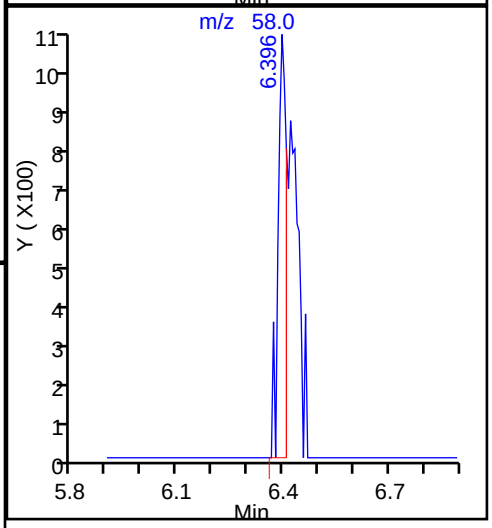
Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5
Client ID:	B4-AREA2-S3		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

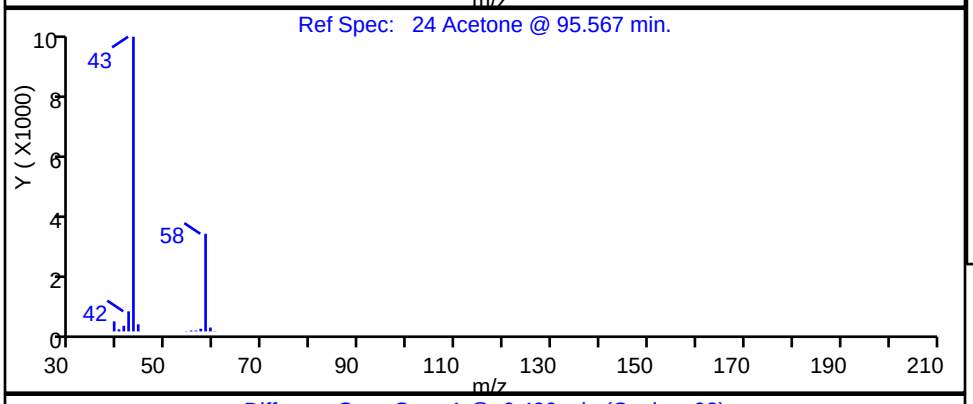
24 Acetone, CAS: 67-64-1

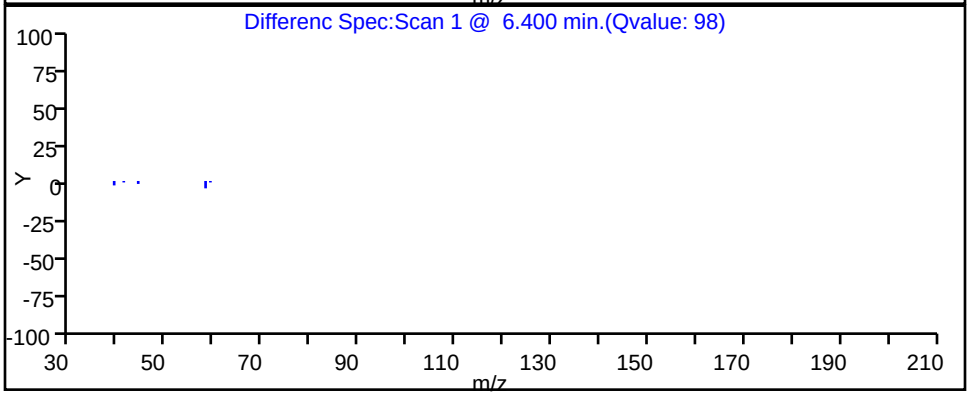










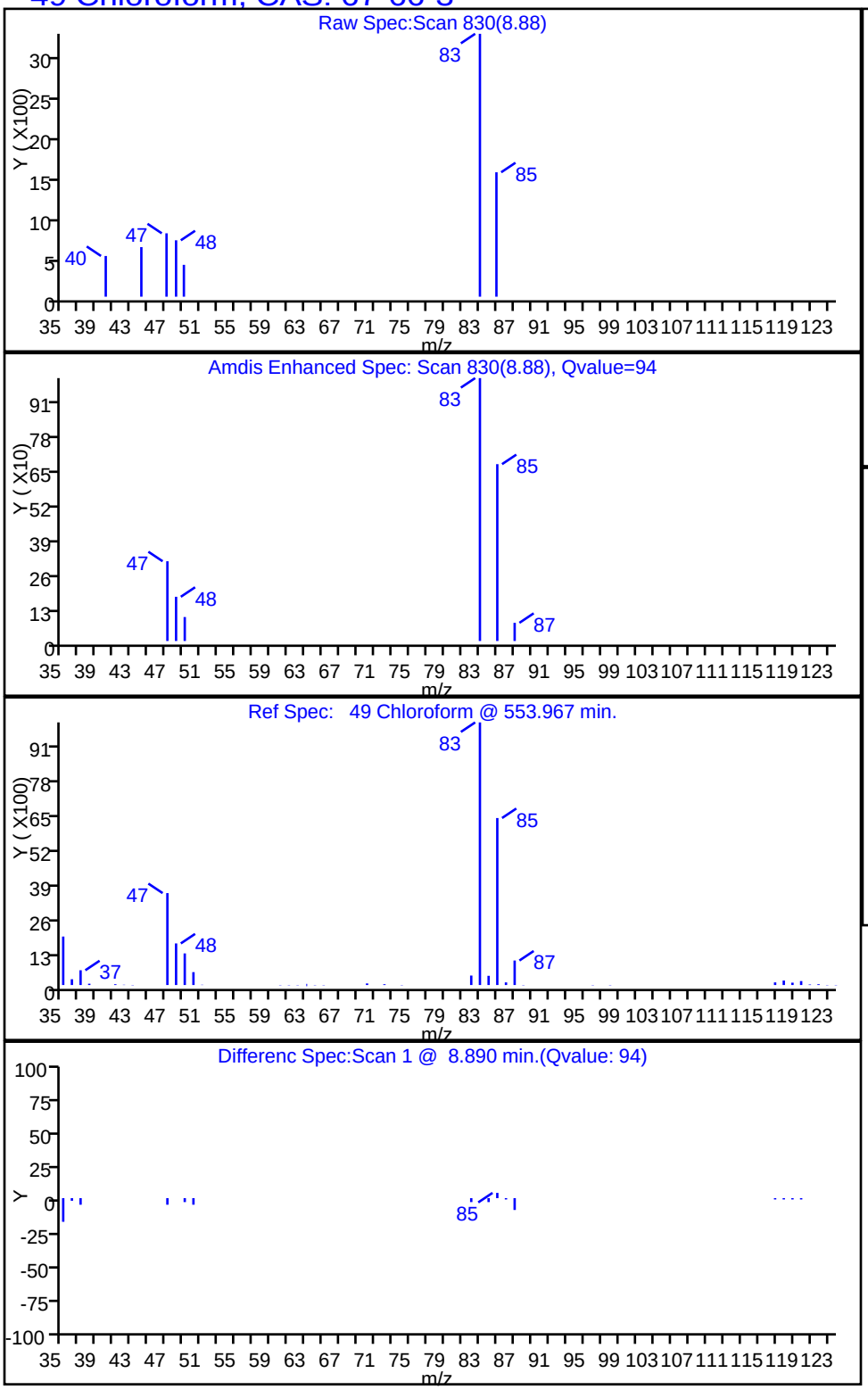


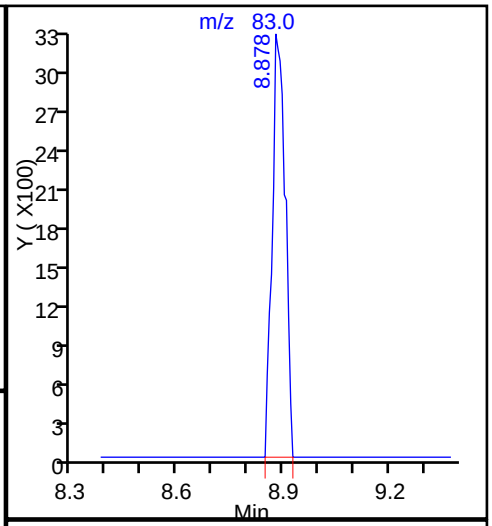
TestAmerica Buffalo

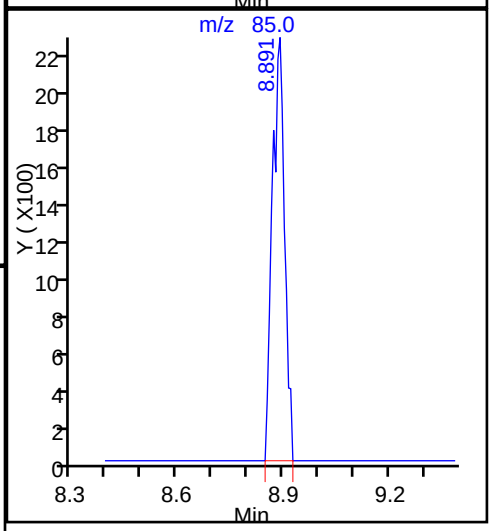
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D

Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5		
Client ID:	B4-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

49 Chloroform, CAS: 67-66-3





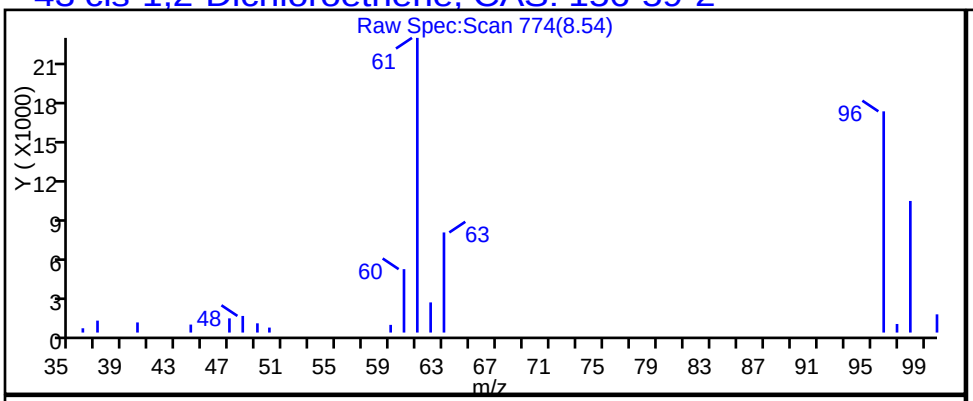


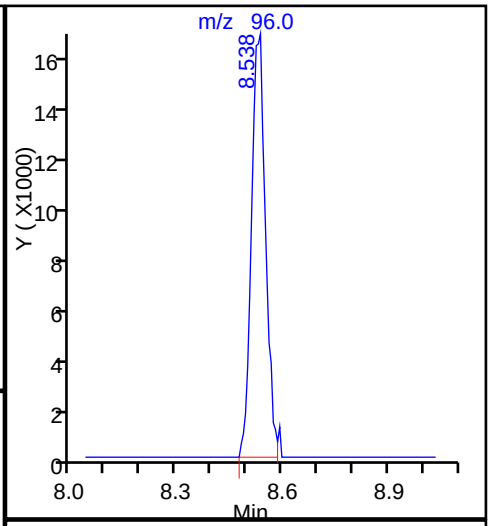
TestAmerica Buffalo

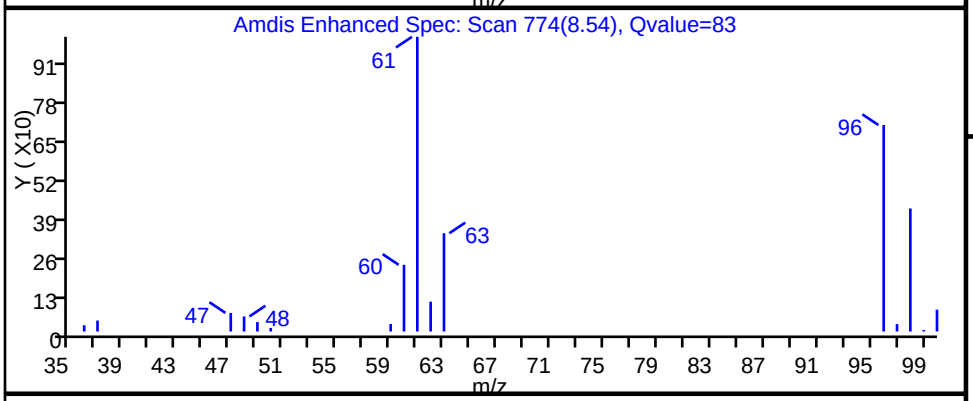
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D

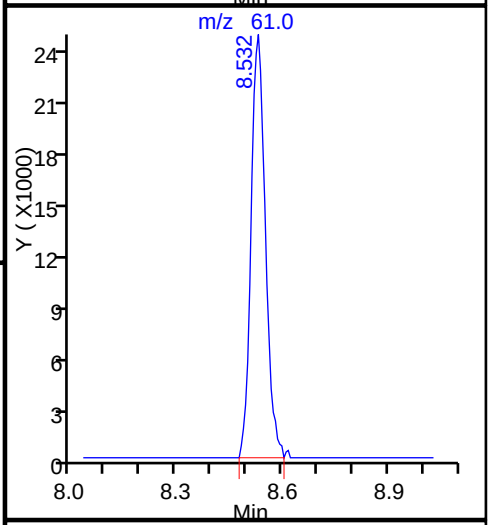
Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5		
Client ID:	B4-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

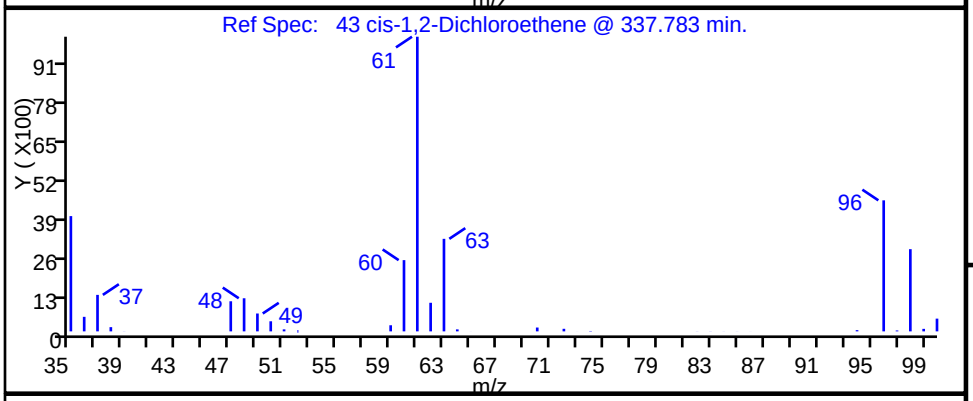
43 cis-1,2-Dichloroethene, CAS: 156-59-2

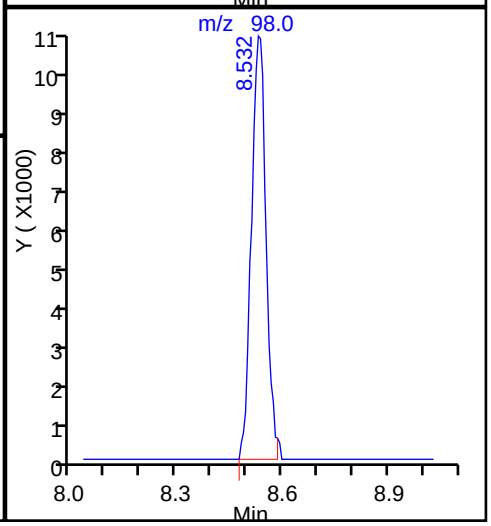


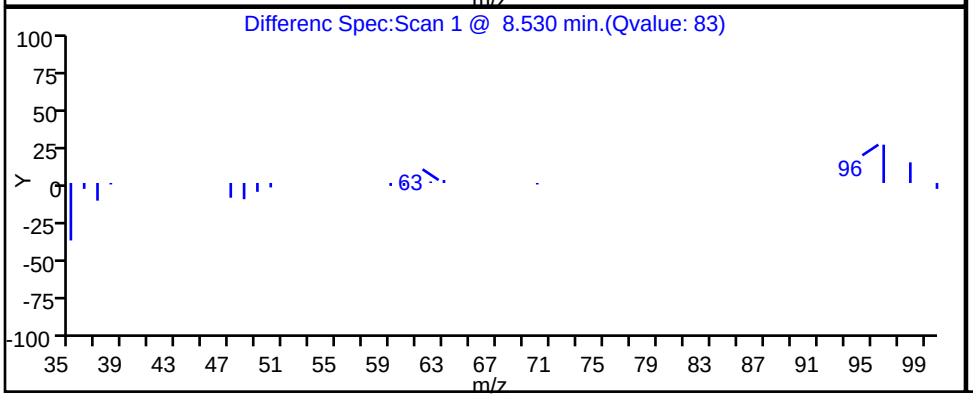










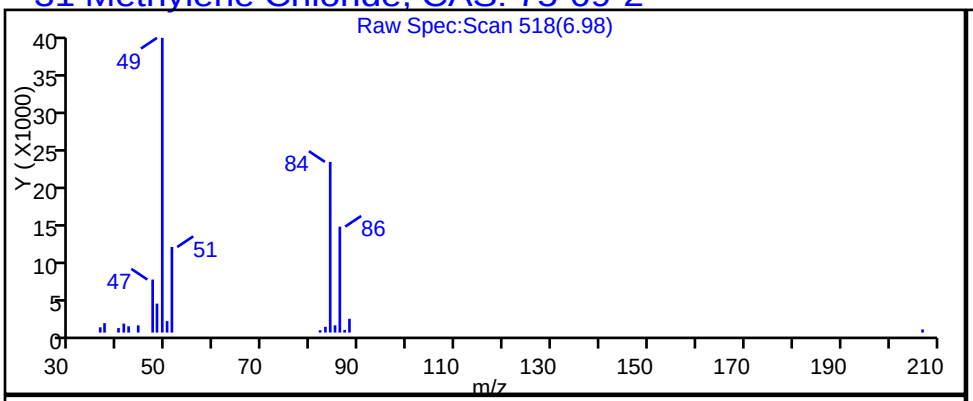


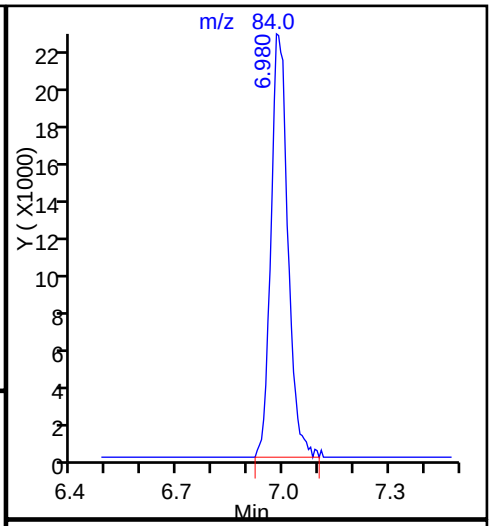
TestAmerica Buffalo

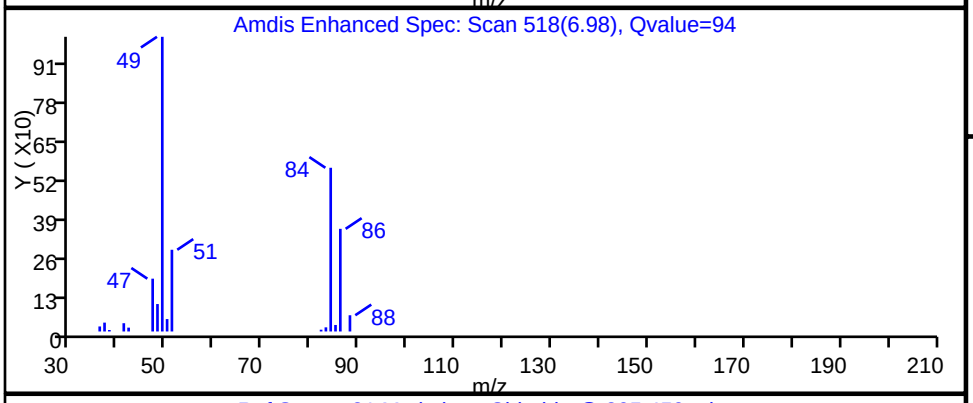
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D

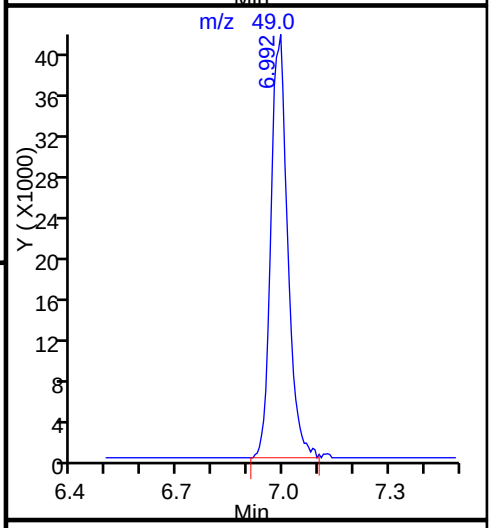
Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5		
Client ID:	B4-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

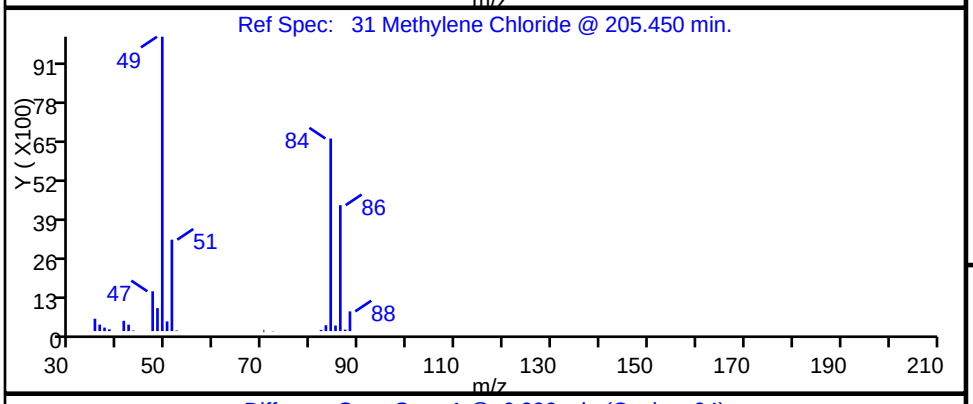
31 Methylene Chloride, CAS: 75-09-2

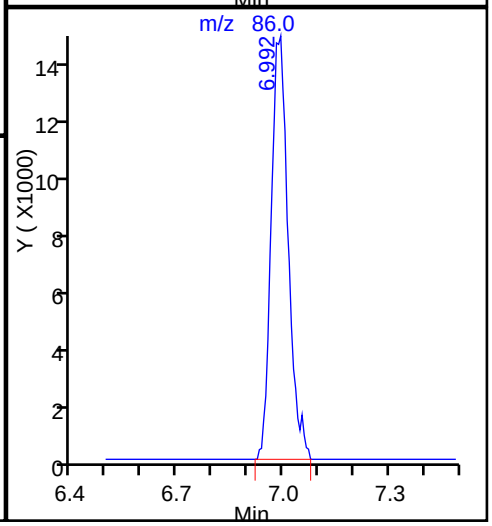


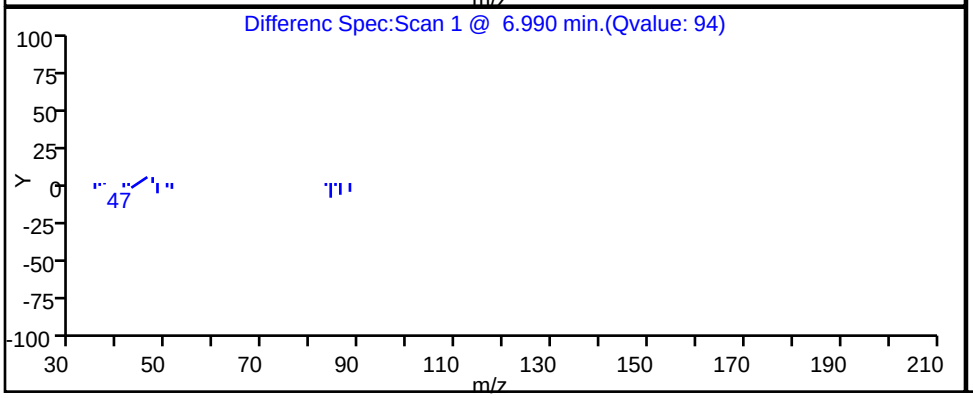








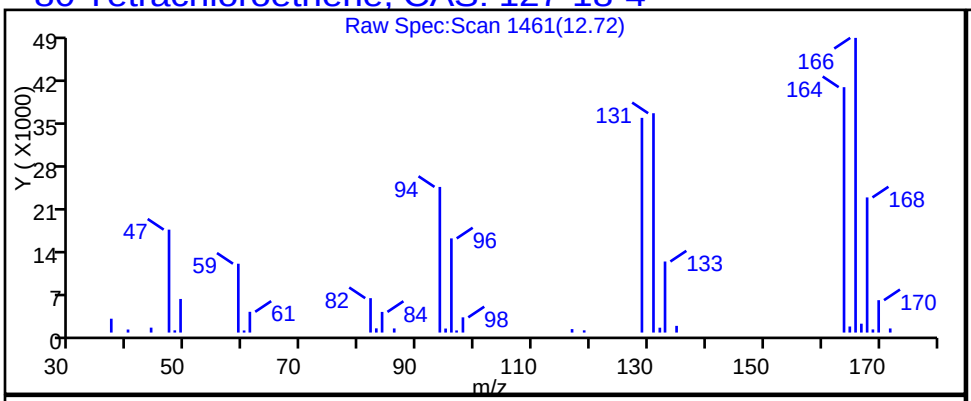


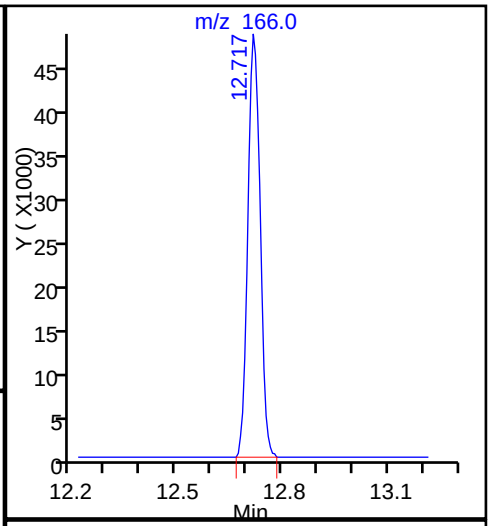


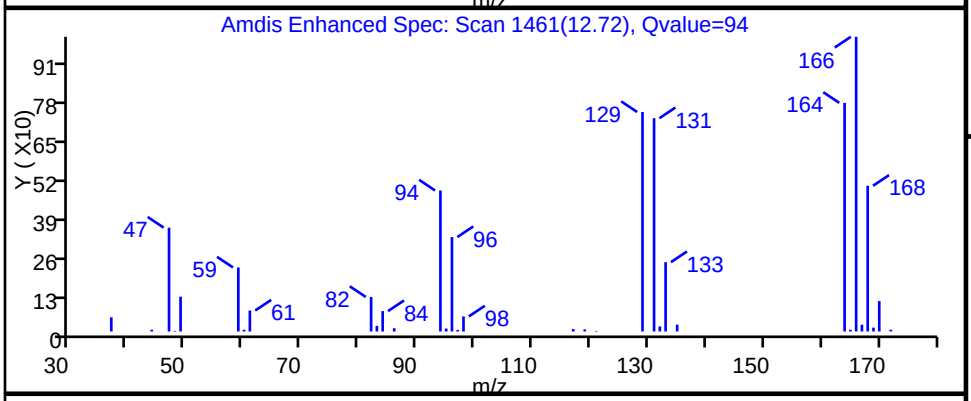
TestAmerica Buffalo

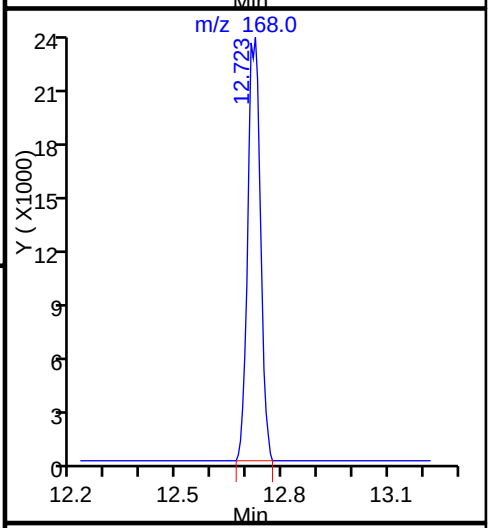
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D		
Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5
Client ID:	B4-AREA2-S3		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

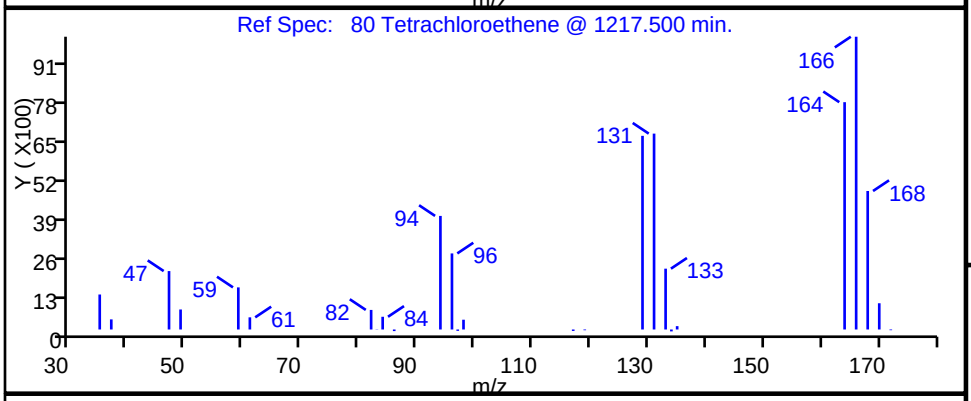
80 Tetrachloroethene, CAS: 127-18-4

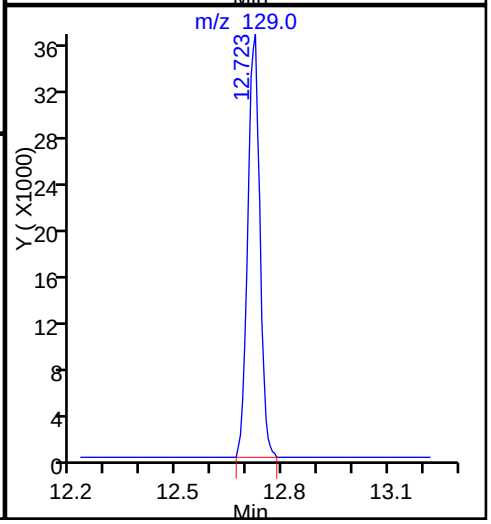


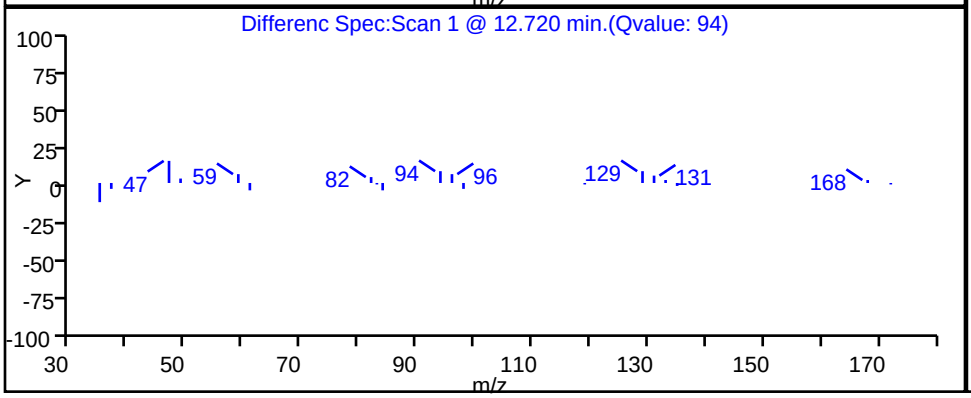










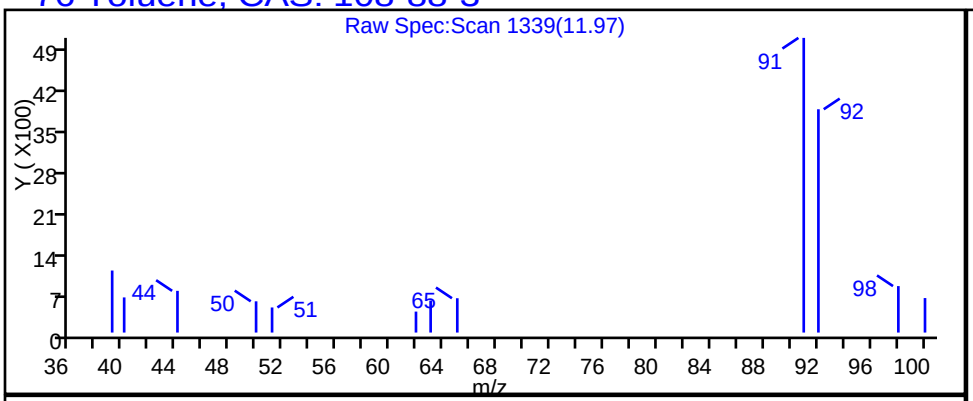


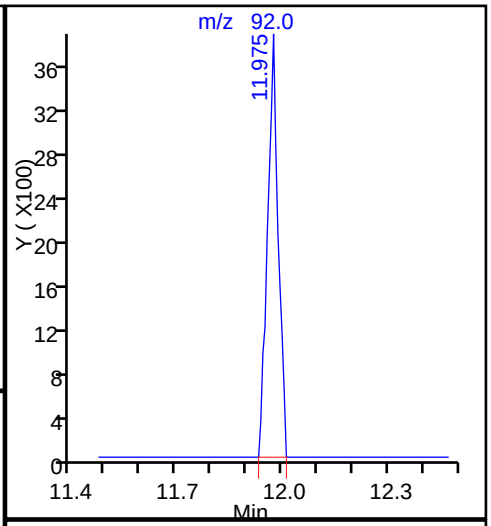
TestAmerica Buffalo

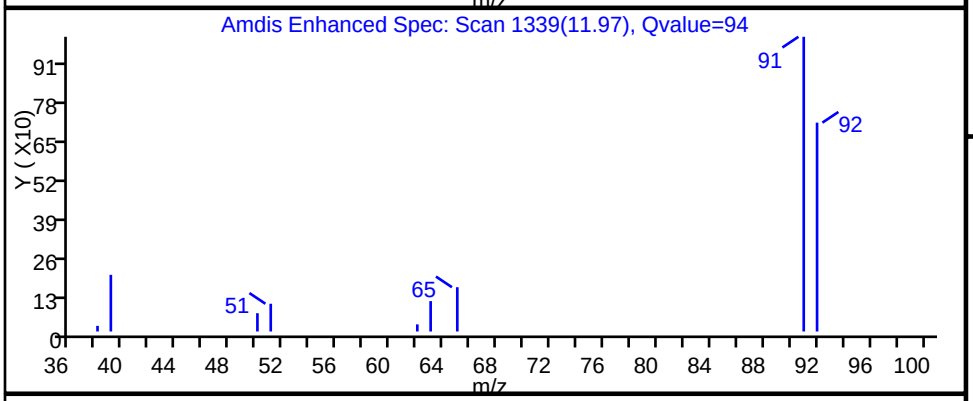
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D

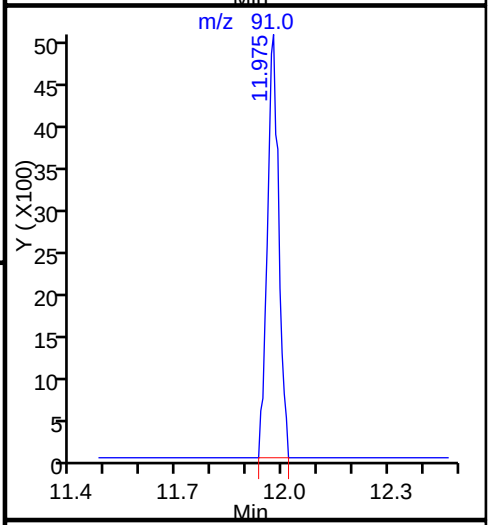
Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5		
Client ID:	B4-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

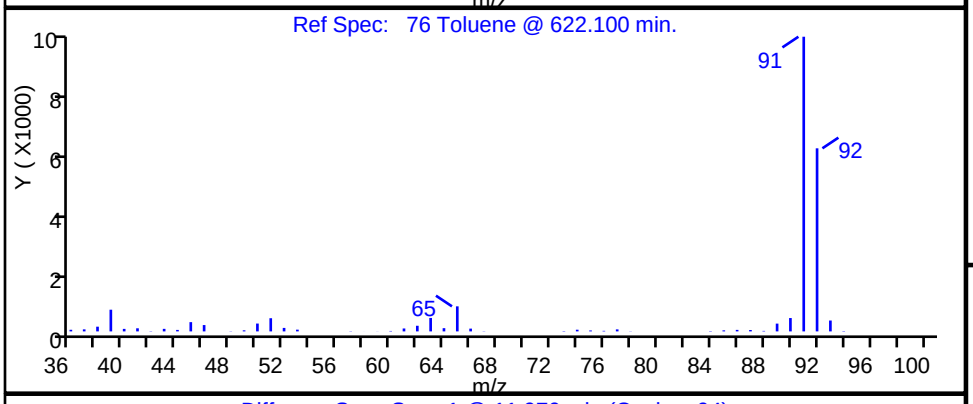
76 Toluene, CAS: 108-88-3

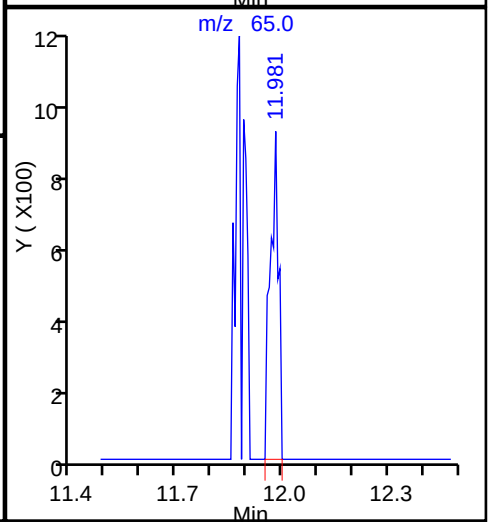


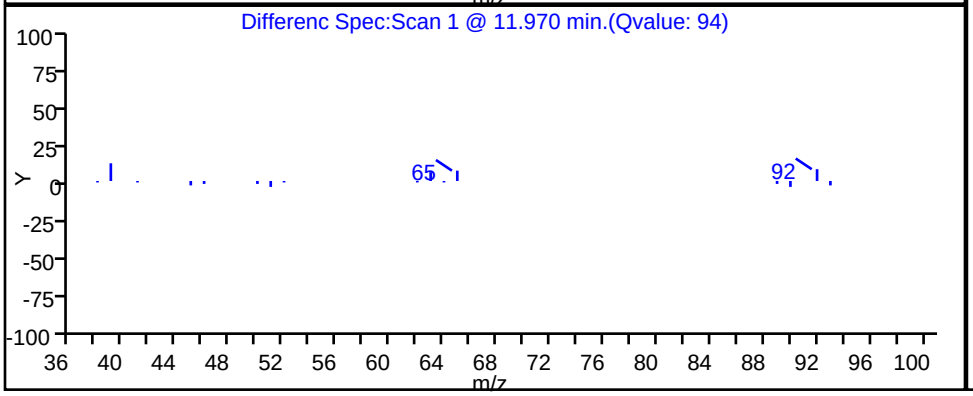








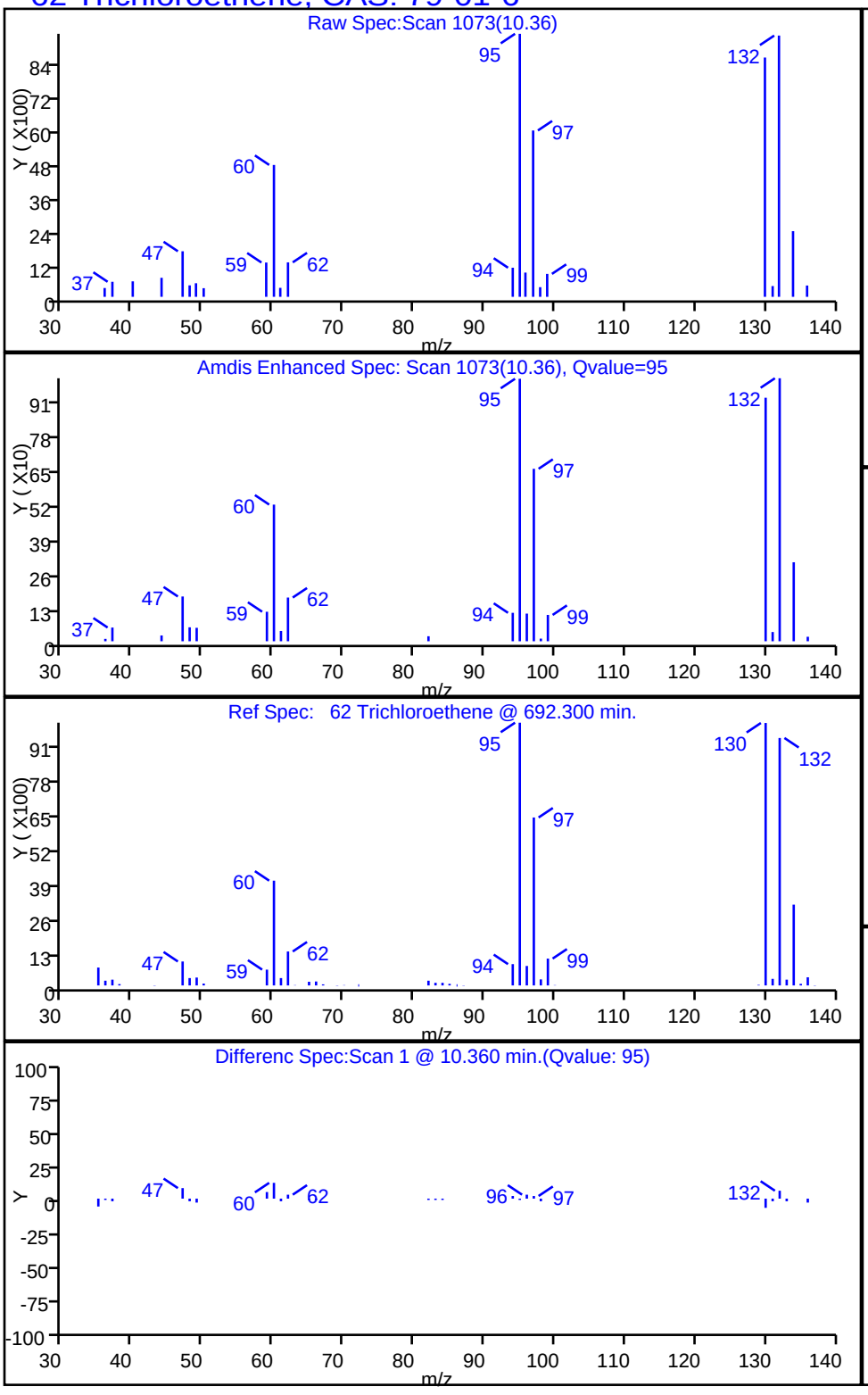


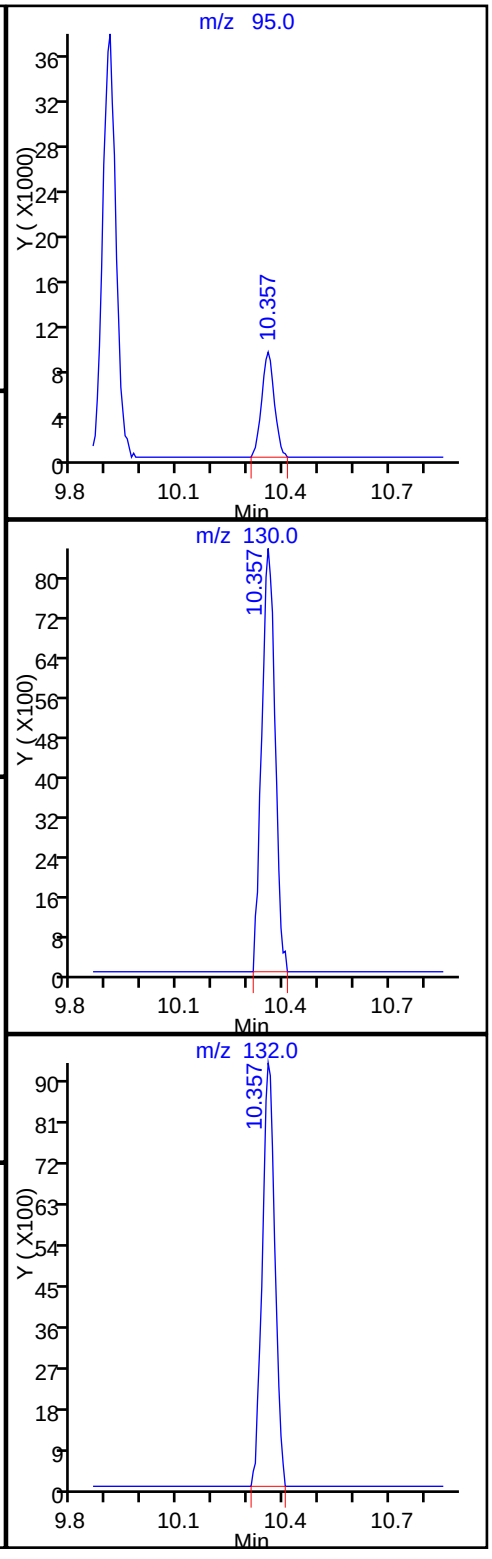


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2252.D		
Injection Date:	11-Dec-2015 03:43:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-5-B	Lab Sample ID:	480-92213-5
Client ID:	B4-AREA2-S3		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S1 | Lab Sample ID: 480-92213-6

Matrix: Solid | Lab File ID: P2253.D

Analysis Method: 8260C | Date Collected: 12/03/2015 10:10

Sample wt/vol: 5.04(g) | Date Analyzed: 12/11/2015 04:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	13		5.4	0.65
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	5.5	J B	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	11		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	370	E	5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	130		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S1 | Lab Sample ID: 480-92213-6

Matrix: Solid | Lab File ID: P2253.D

Analysis Method: 8260C | Date Collected: 12/03/2015 10:10

Sample wt/vol: 5.04(g) | Date Analyzed: 12/11/2015 04:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.81
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	1600	E	5.4	0.72
108-88-3	Toluene	4.5	J	5.4	0.40
156-60-5	trans-1,2-Dichloroethene	2.7	J	5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	410	E	5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.65
1330-20-7	Xylenes, Total	9.3	J	11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	84		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D
Lims ID: 480-92213-A-6-A Lab Sample ID: 480-92213-6
Client ID: B25-AREA2-S1
Sample Type: Client
Inject. Date: 11-Dec-2015 04:11:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-6-A
Misc. Info.: 480-0049138-013
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 11:24:52 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 11:24:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	287537	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	570932	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.830	-0.001	97	394427	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	239321	53.9	
$ 5 Toluene-d8 (Surr)	98	11.877	11.884	-0.007	93	1264184	50.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	86	364273	41.9	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.346				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96	6.360	6.372	-0.012	91	3573	0.3725	
24 Acetone	43	6.402	6.390	0.012	88	16893	5.13	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.773	6.773	0.000	99	313580	10.6	
31 Methylene Chloride	84		6.986				ND	
32 Methyl tert-butyl ether	73	7.236	7.223	0.013	54	5395	0.2108	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	93	20357	2.51	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	216783	12.1	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	86	3038467	346.1	E
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.350	10.350	0.000	92	3278513	381.8	E
64 Methylcyclohexane	83	10.588	10.588	0.000	92	6940	0.4718	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	97	85897	4.24	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.729	12.711	0.018	94	11468686	1473.1	E
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91	13.952	13.946	0.006	99	4199712	119.5	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	93529	6.28	
93 o-Xylene	106	14.639	14.633	0.006	98	36033	2.40	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	17217	0.6159	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.340				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1				0		8.68	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

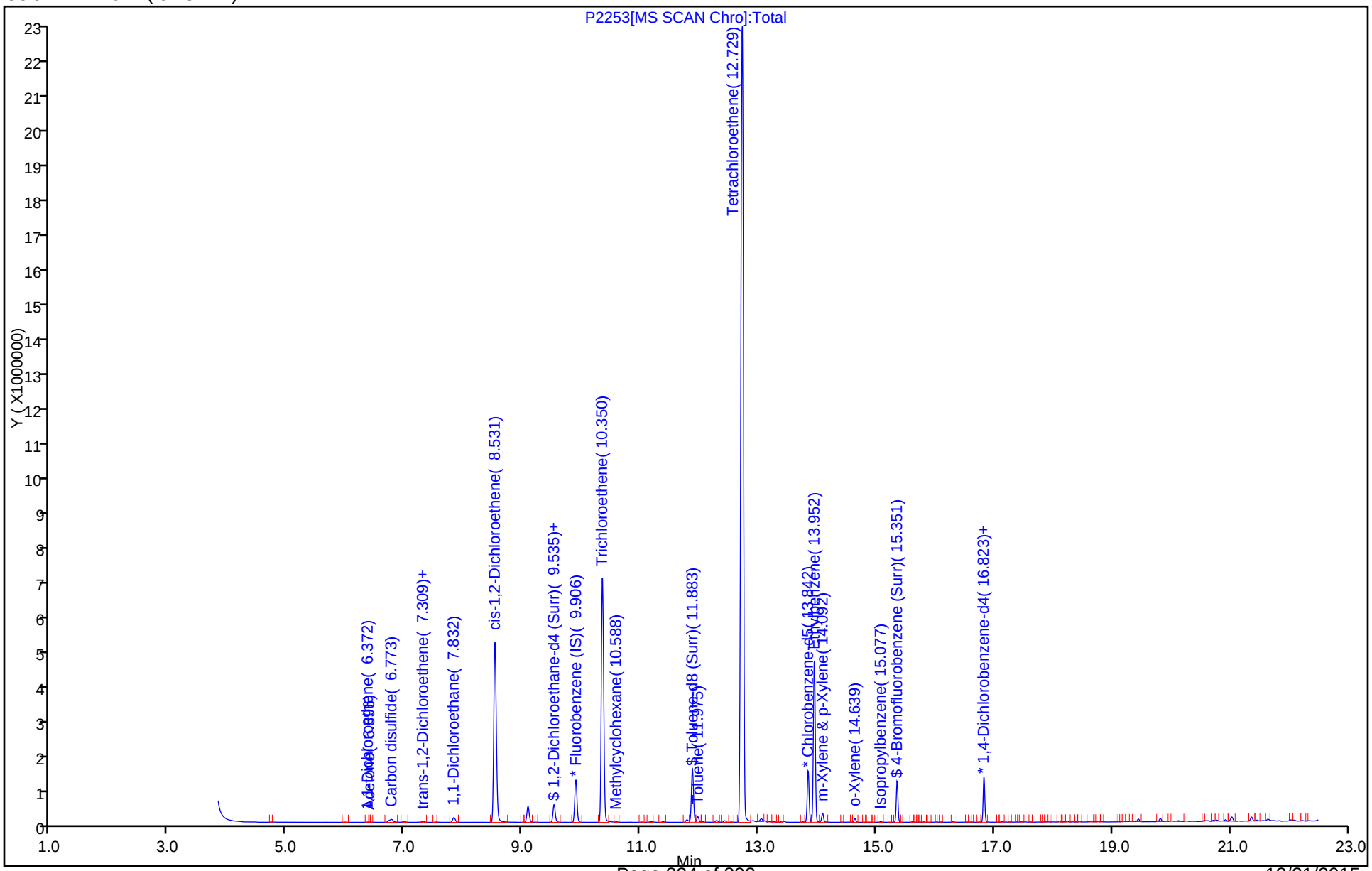
Report Date: 11-Dec-2015 11:24:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D

Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6	Worklist Smp#:	13
Client ID:	B25-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

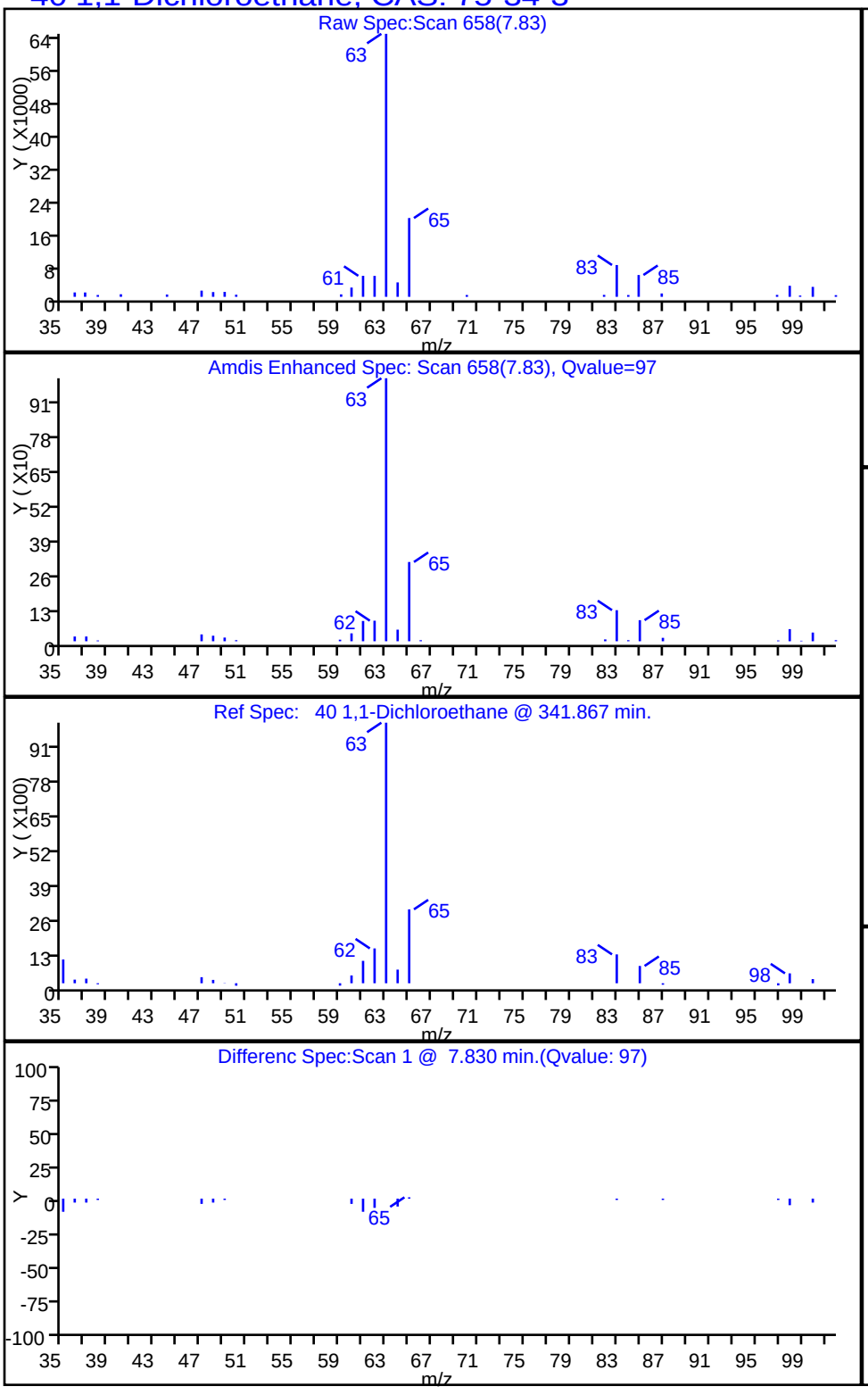


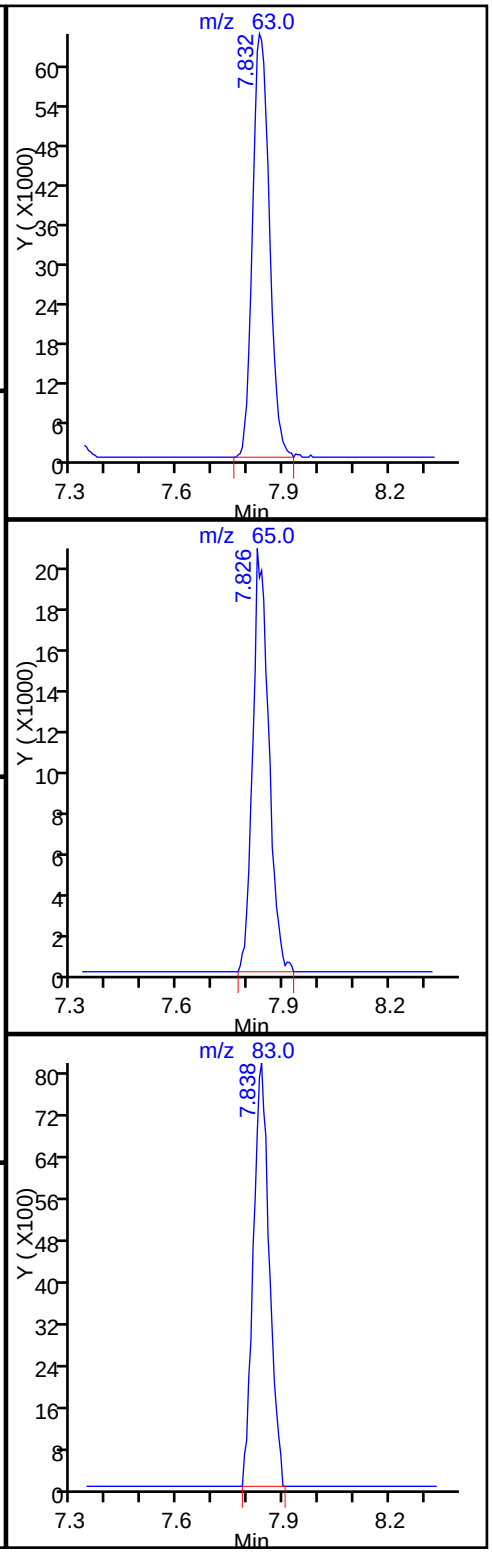
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D

Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

40 1,1-Dichloroethane, CAS: 75-34-3

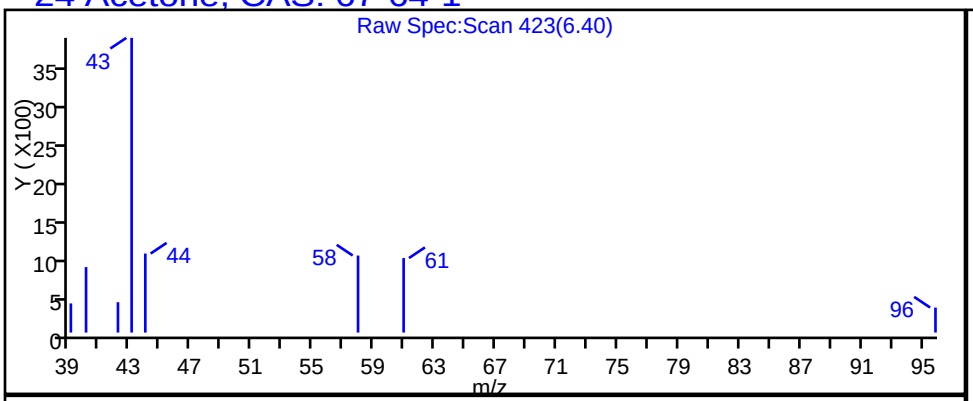


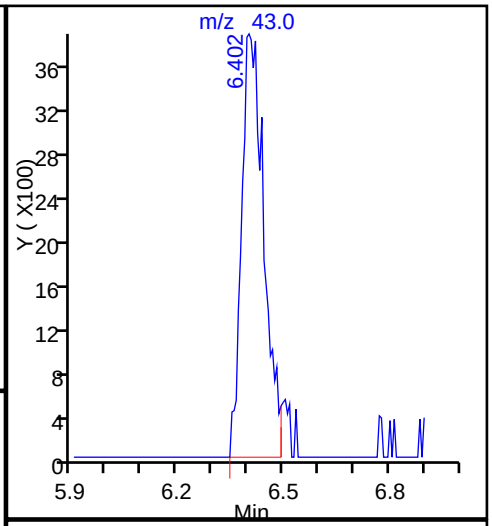


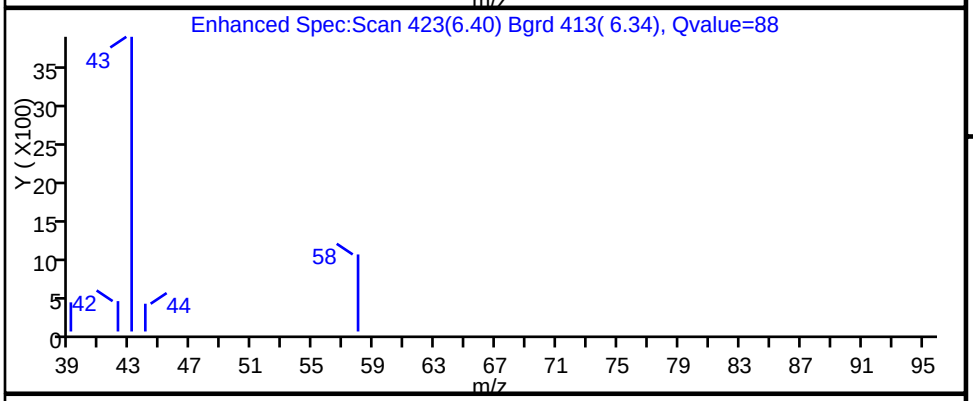
TestAmerica Buffalo

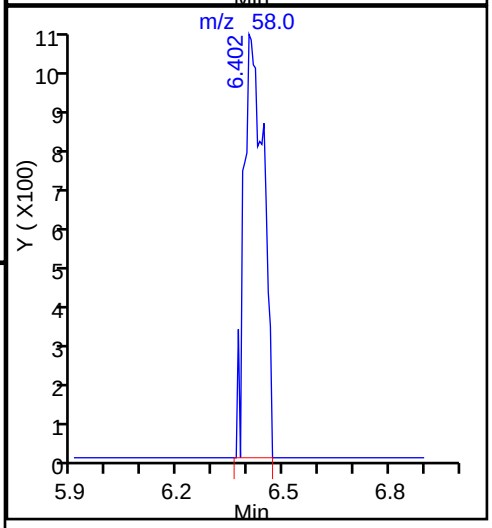
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D		
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6
Client ID:	B25-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	12 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

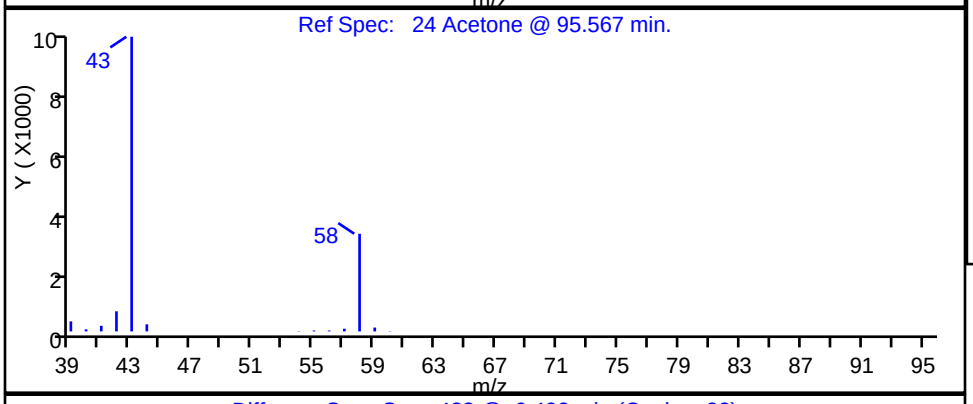
24 Acetone, CAS: 67-64-1

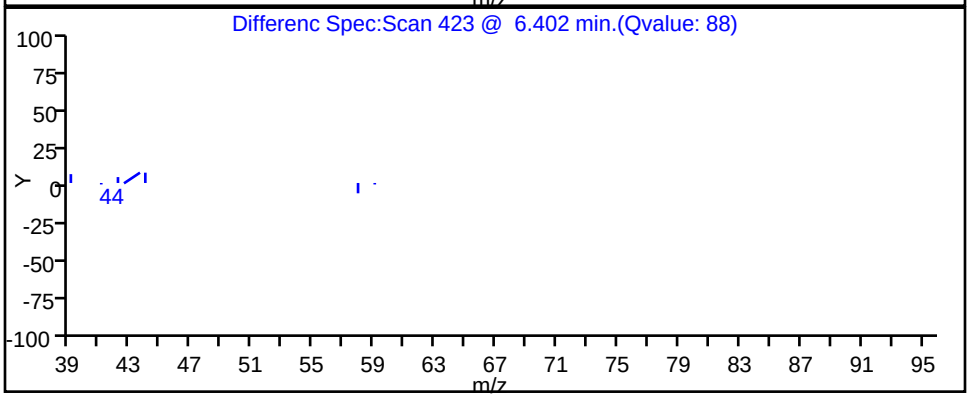










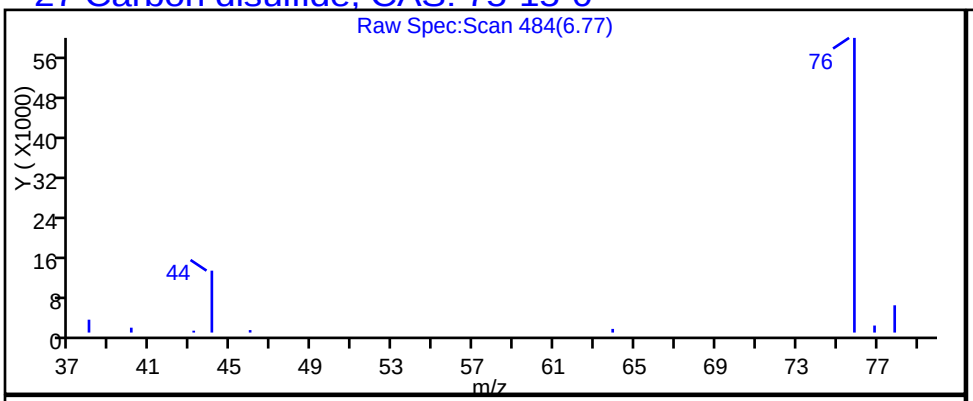


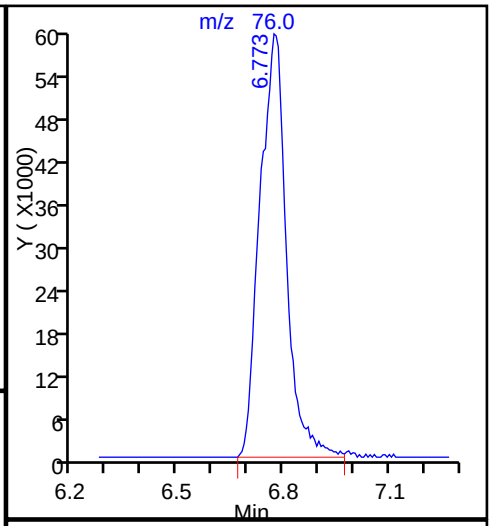
TestAmerica Buffalo

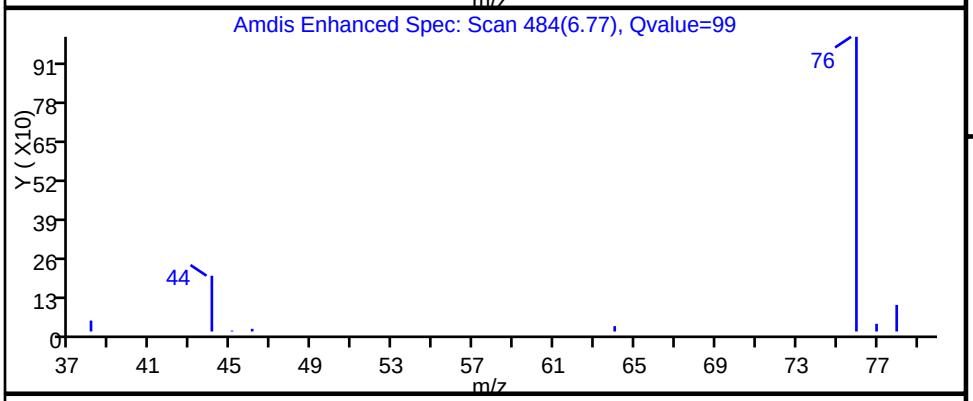
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D

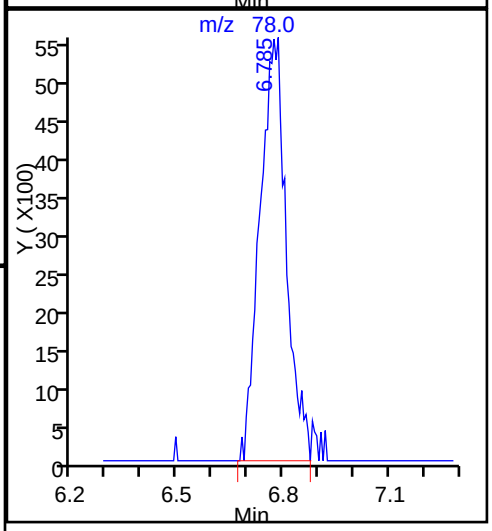
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

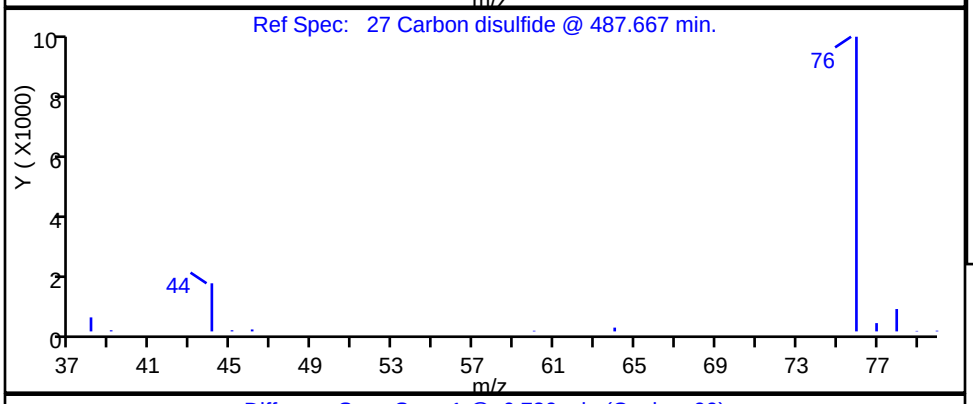
27 Carbon disulfide, CAS: 75-15-0

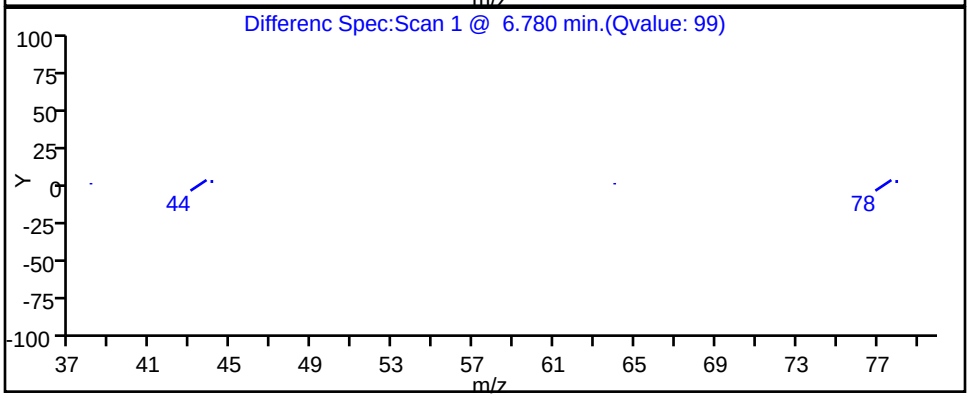








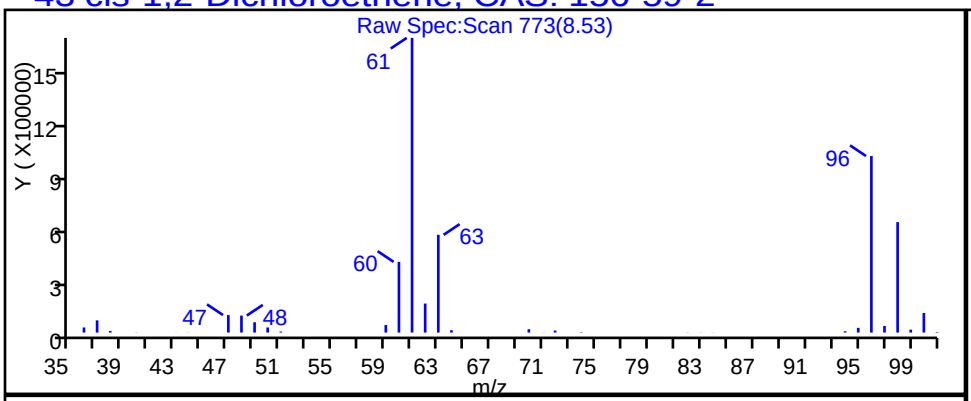


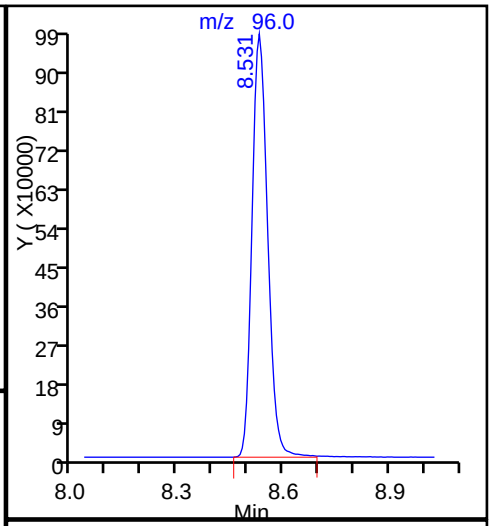


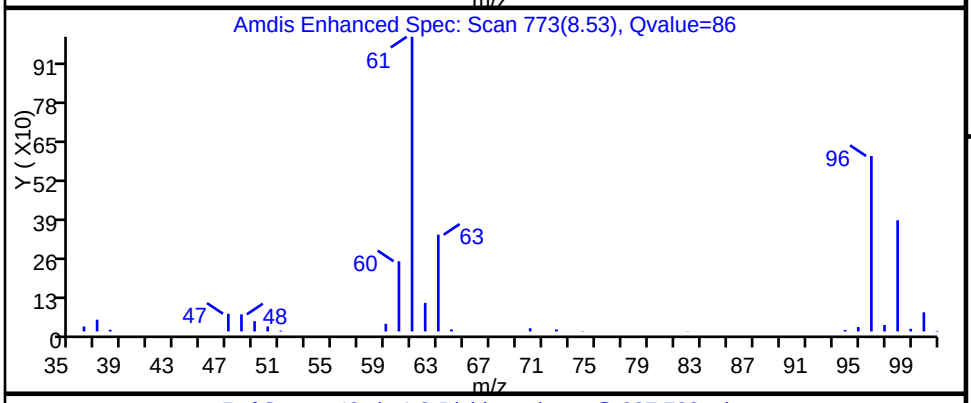
TestAmerica Buffalo

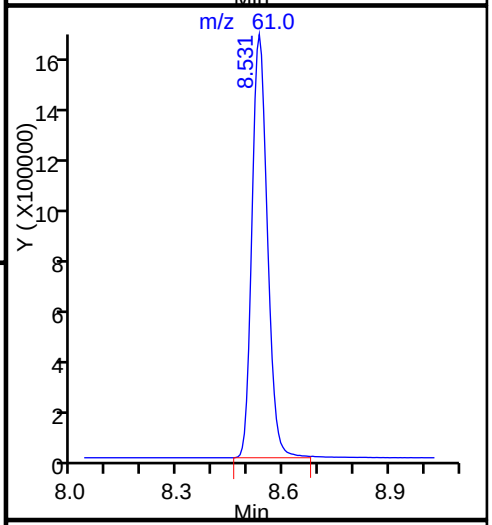
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D				
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

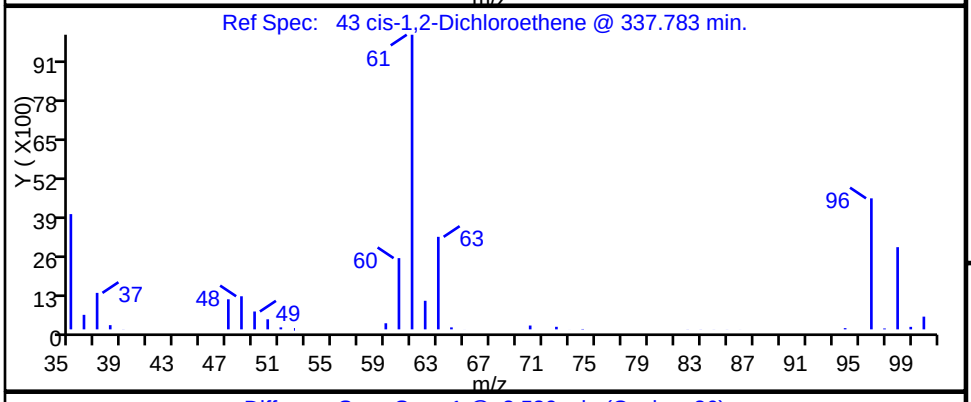
43 cis-1,2-Dichloroethene, CAS: 156-59-2

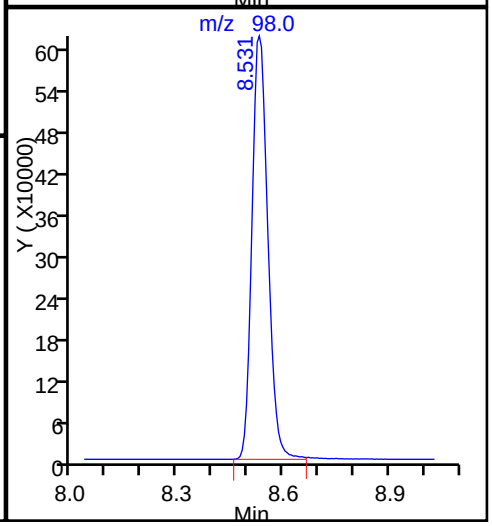


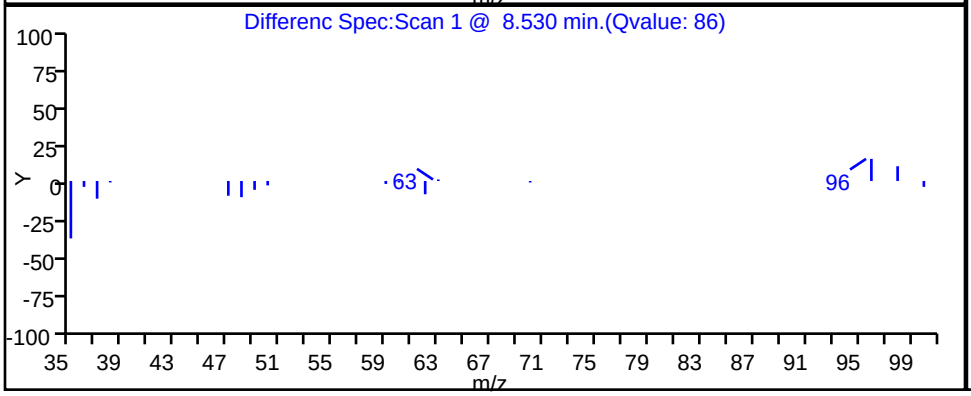










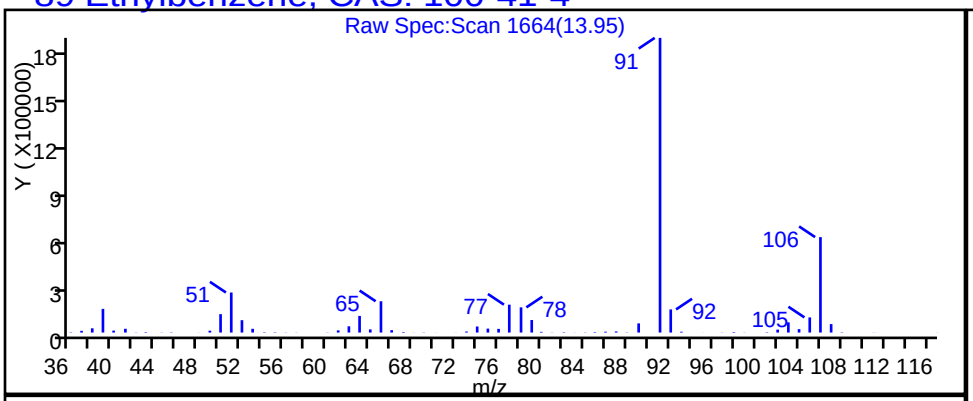


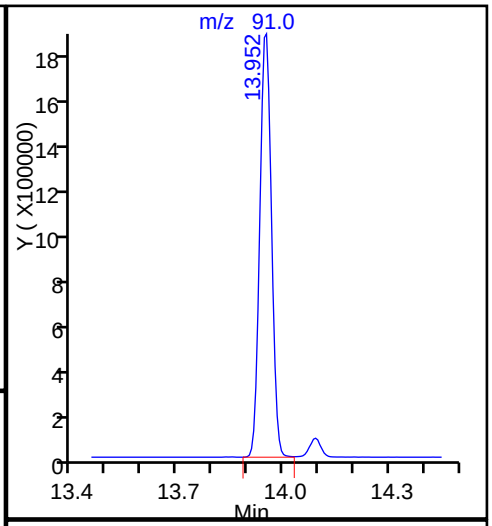
TestAmerica Buffalo

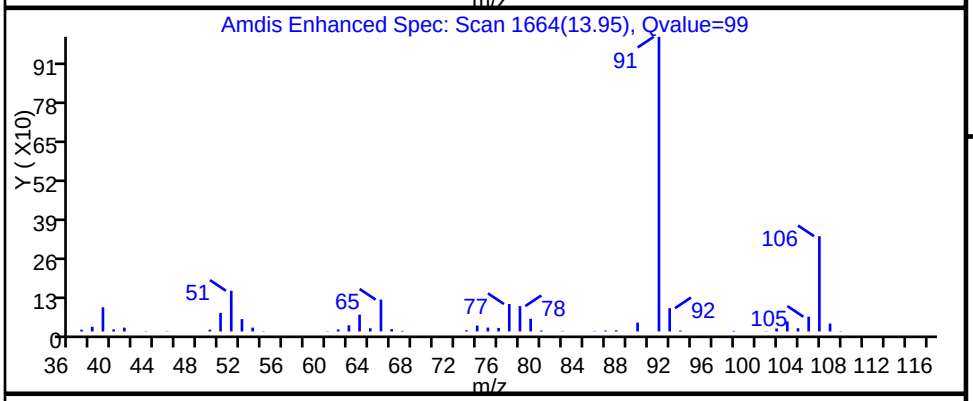
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D

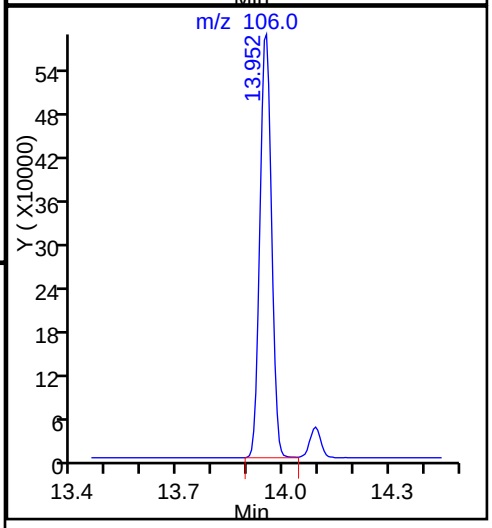
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

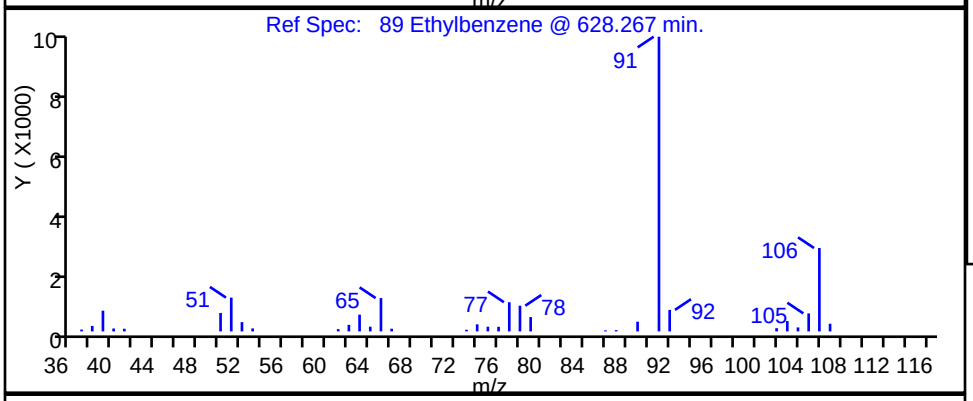
89 Ethylbenzene, CAS: 100-41-4

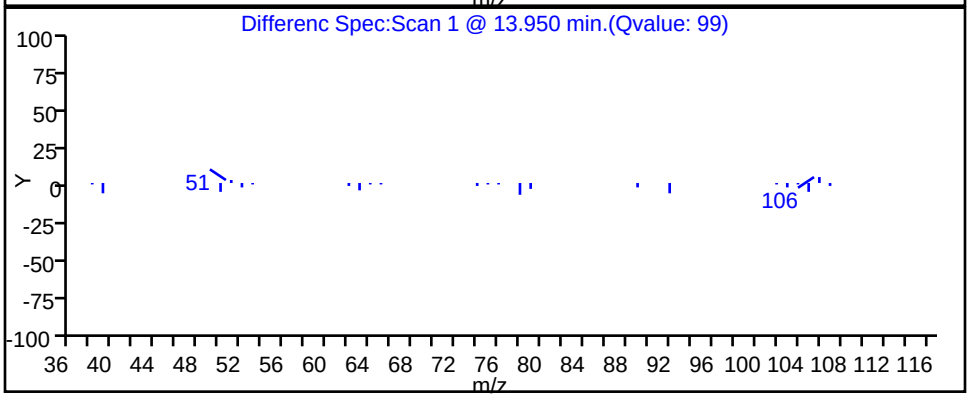










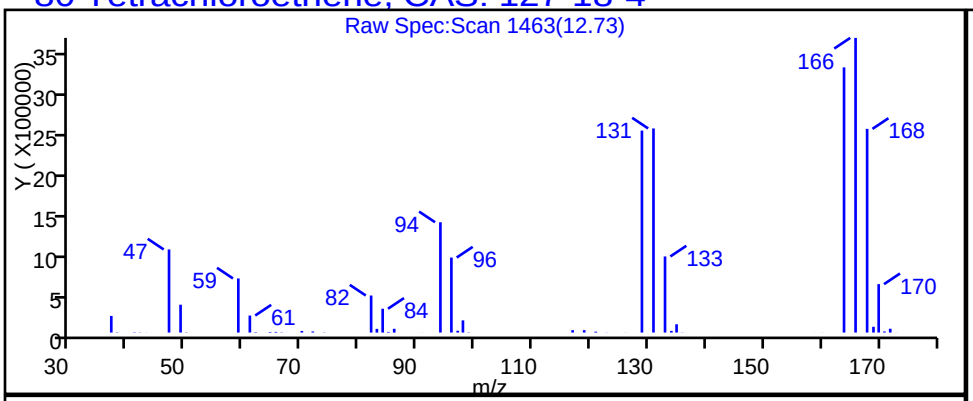


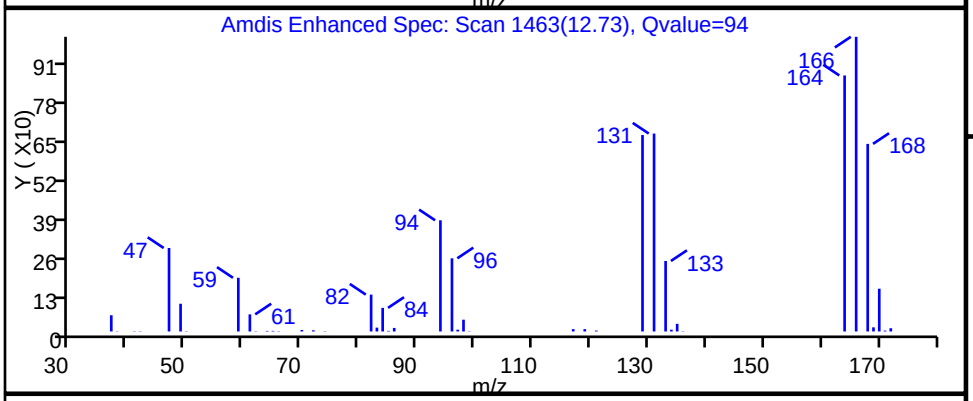
TestAmerica Buffalo

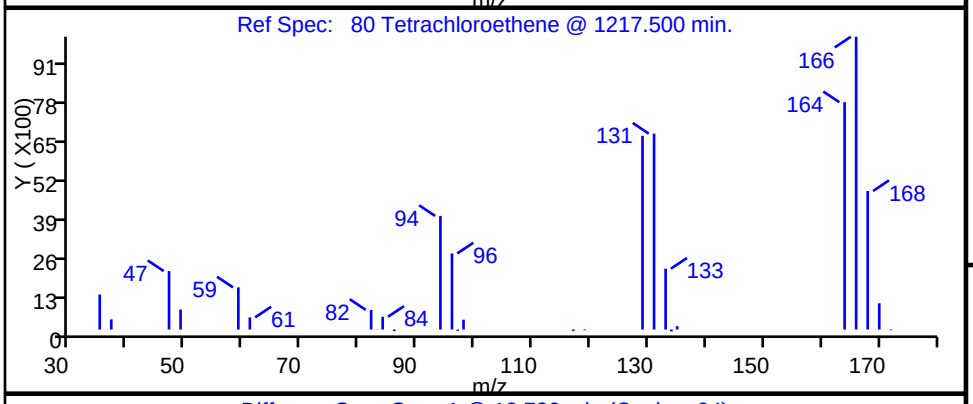
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D

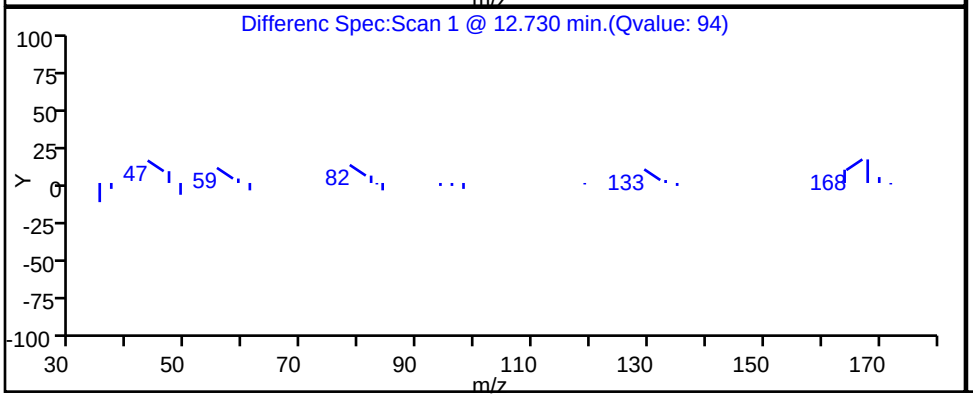
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

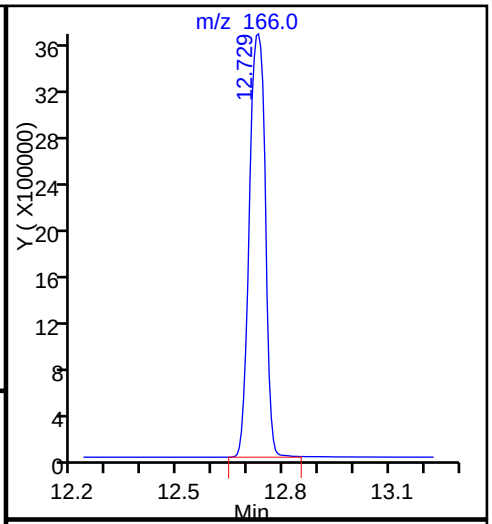
80 Tetrachloroethene, CAS: 127-18-4

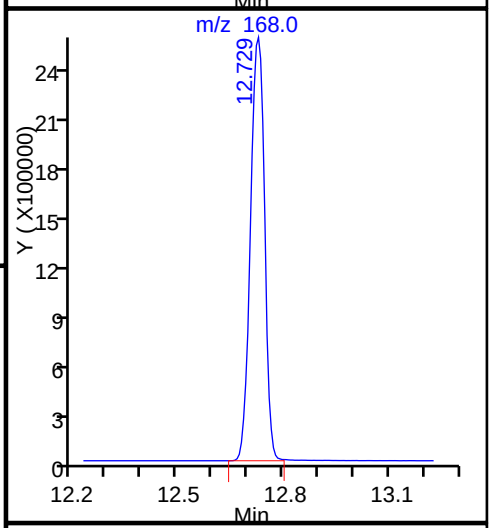


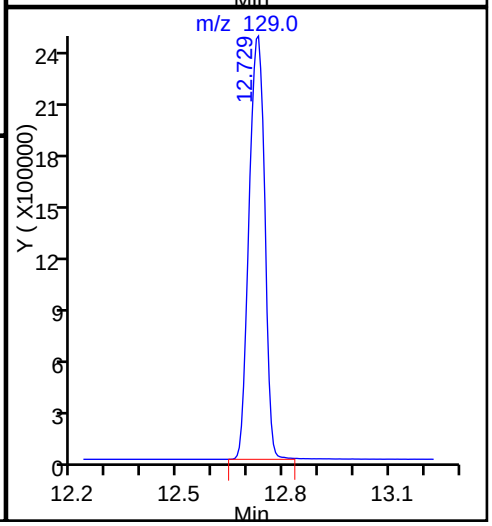










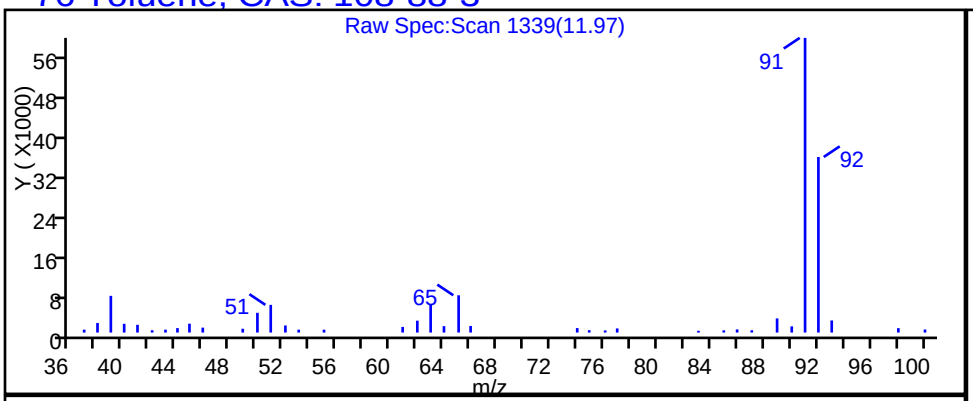


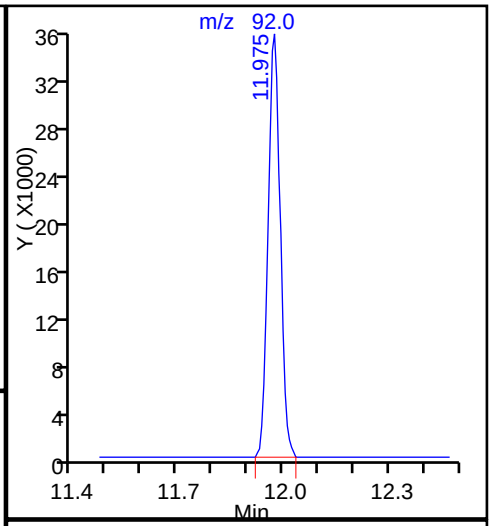
TestAmerica Buffalo

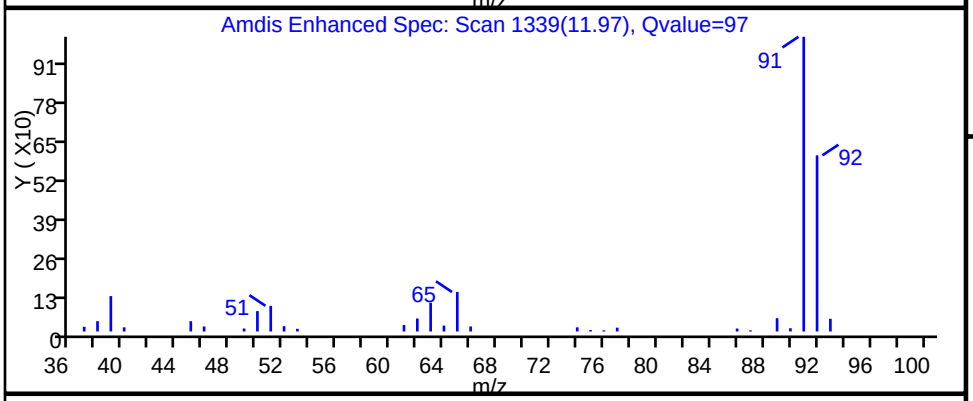
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D

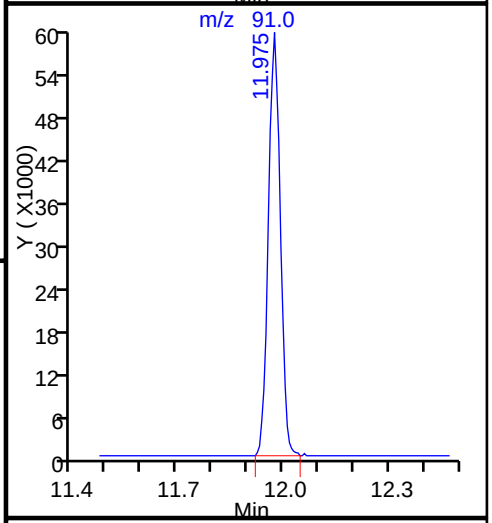
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6
Client ID:	B25-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	12 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

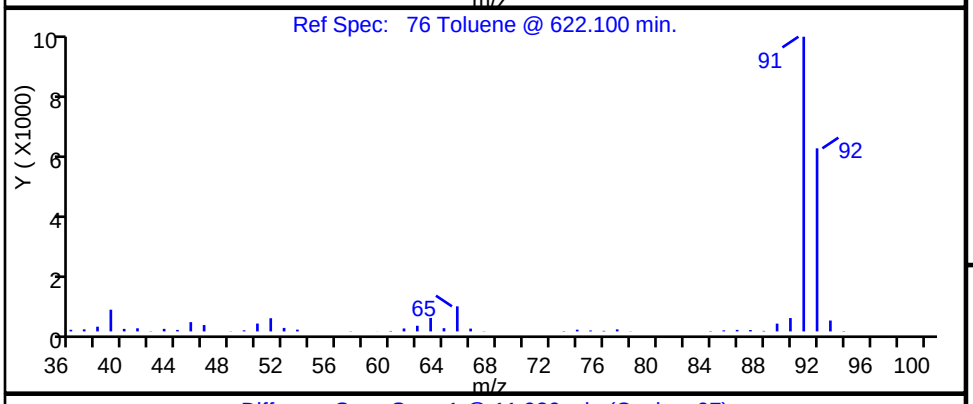
76 Toluene, CAS: 108-88-3

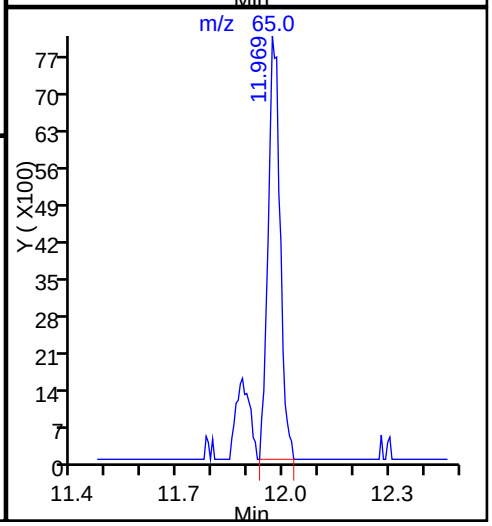


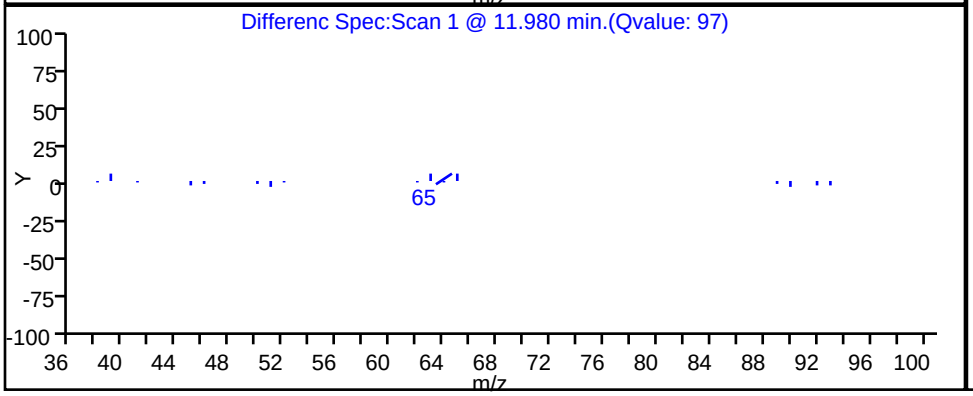










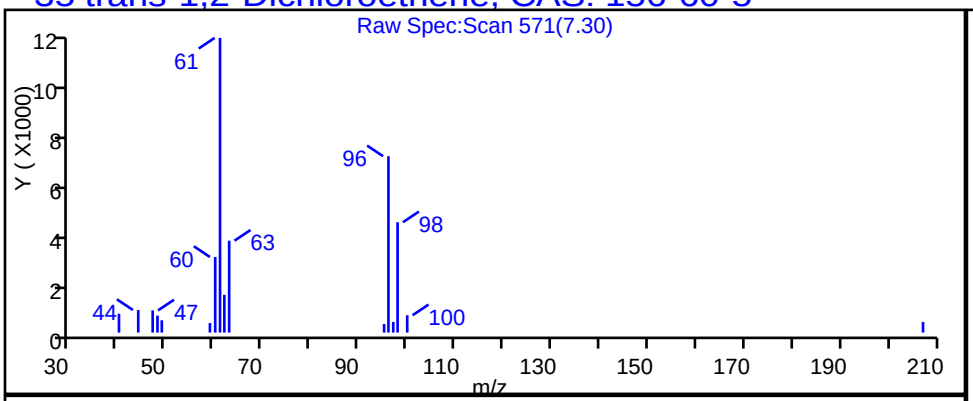


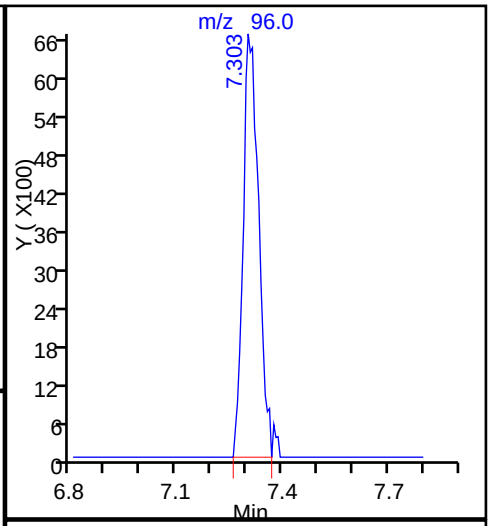
TestAmerica Buffalo

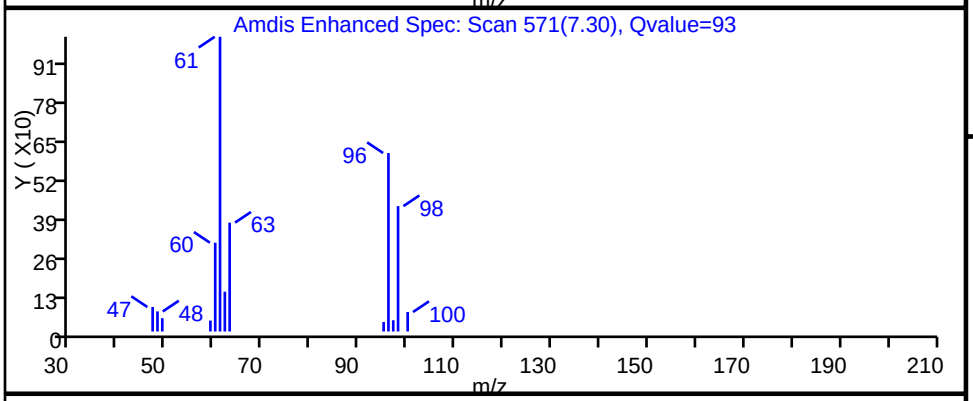
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D

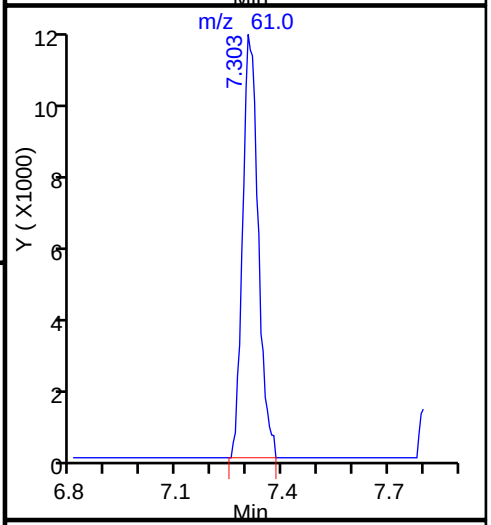
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

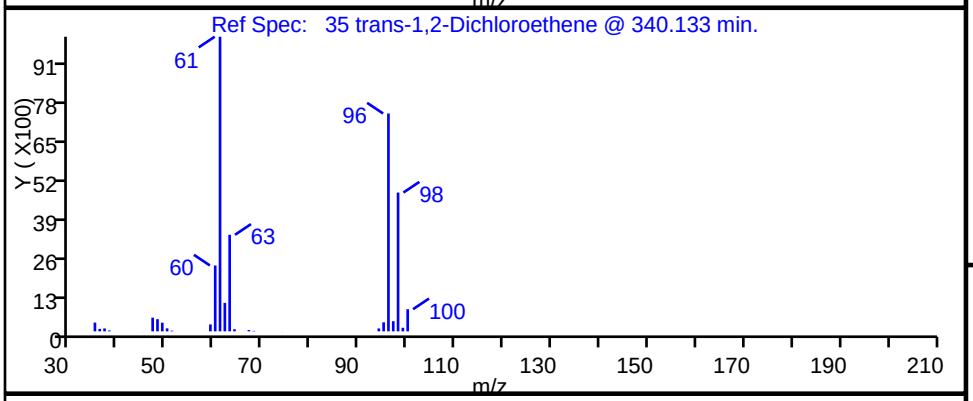
35 trans-1,2-Dichloroethene, CAS: 156-60-5

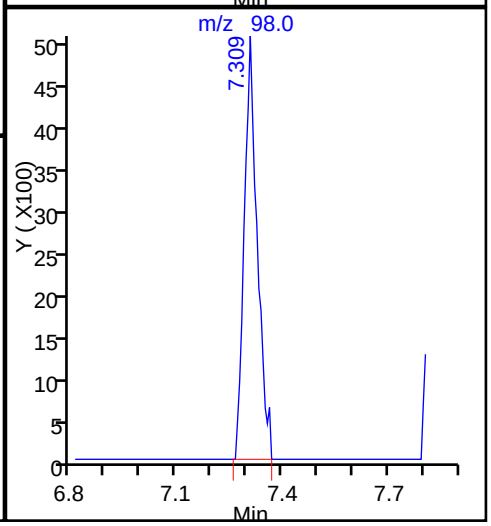


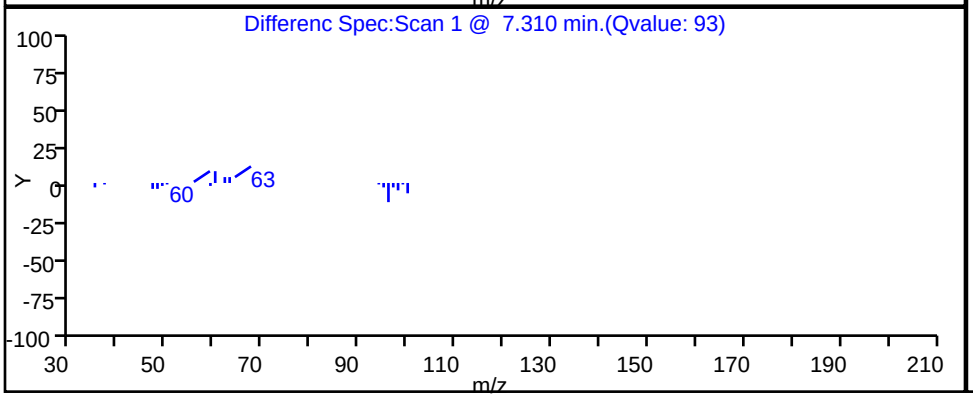








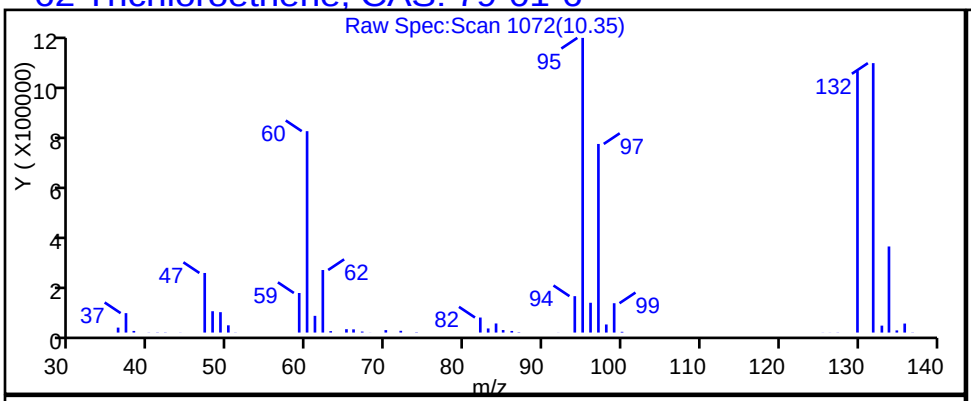


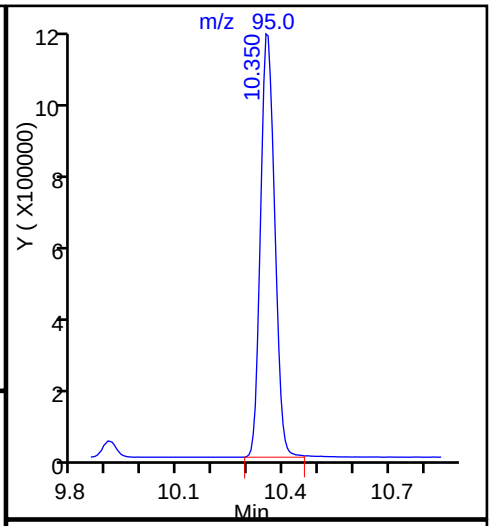


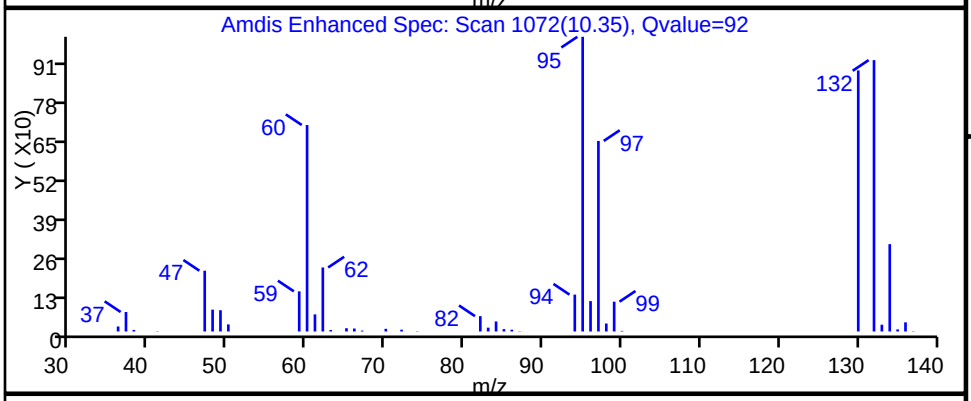
TestAmerica Buffalo

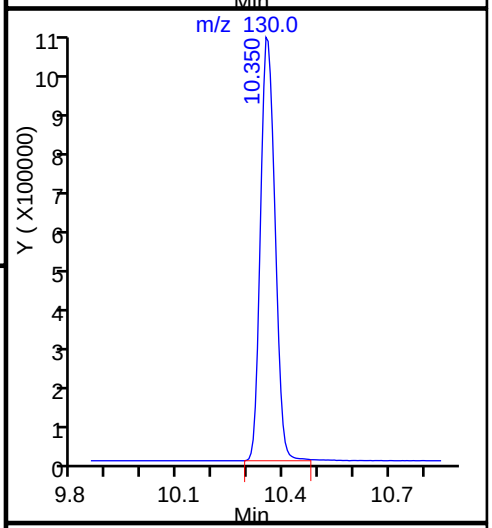
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D				
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

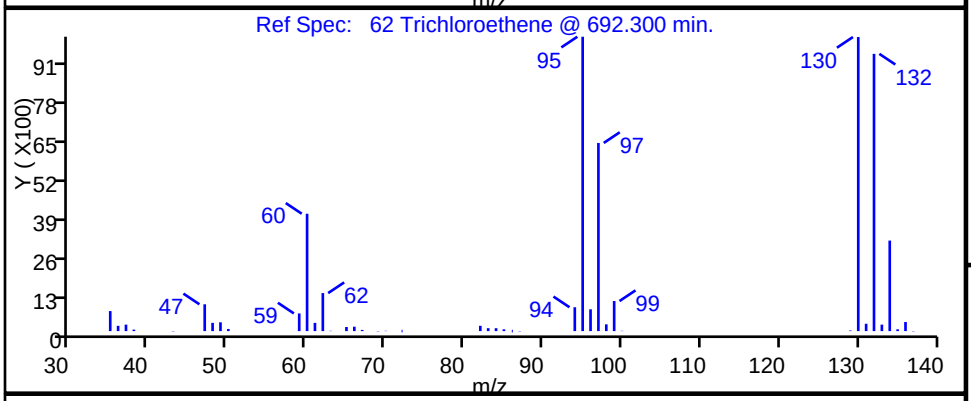
62 Trichloroethene, CAS: 79-01-6

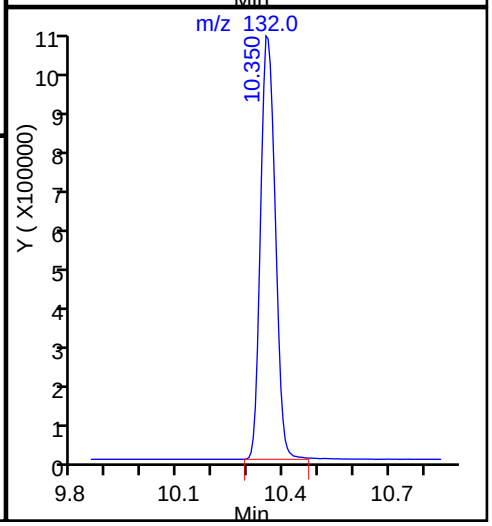


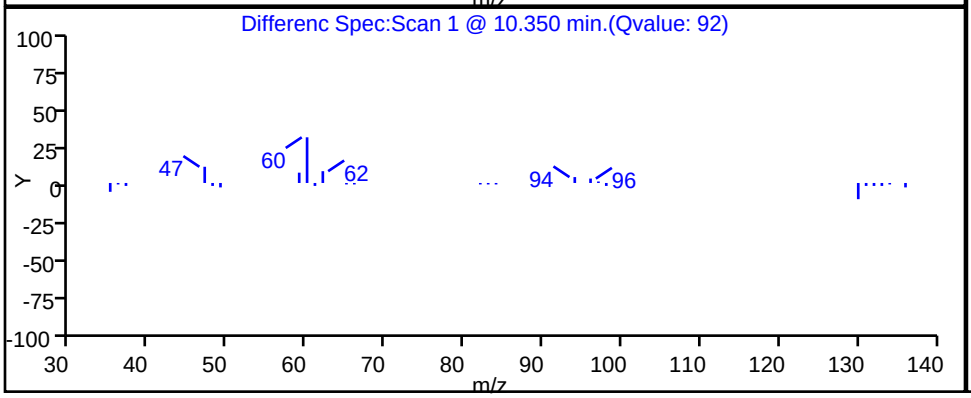








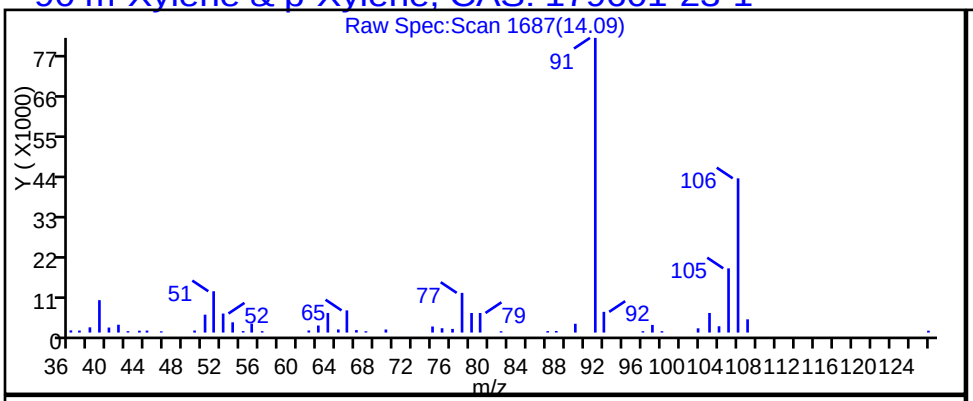


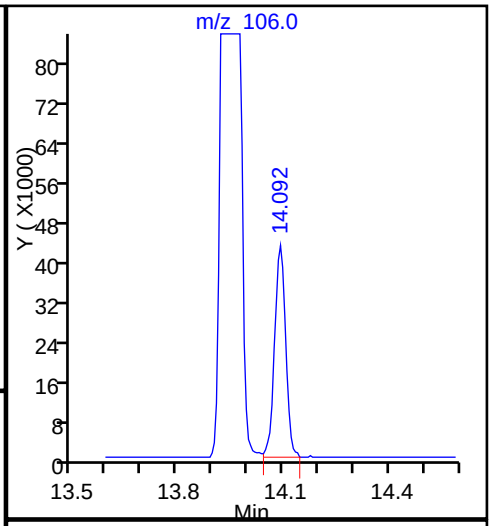


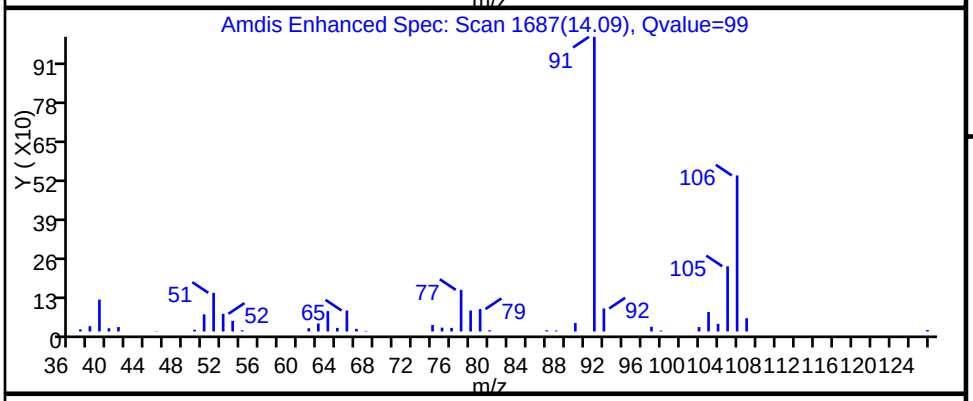
TestAmerica Buffalo

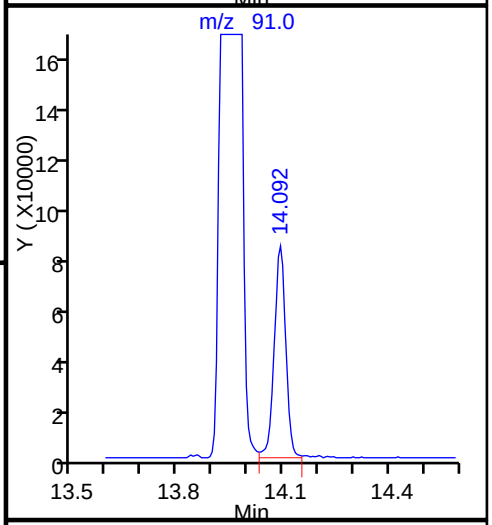
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D				
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

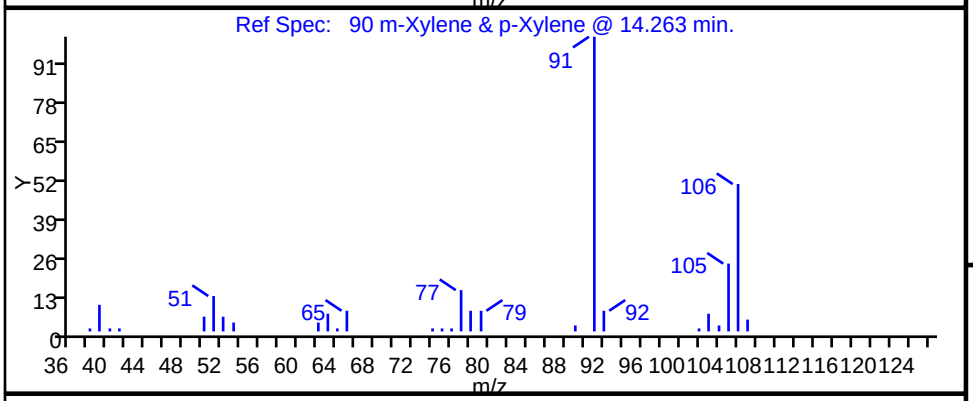
90 m-Xylene & p-Xylene, CAS: 179601-23-1

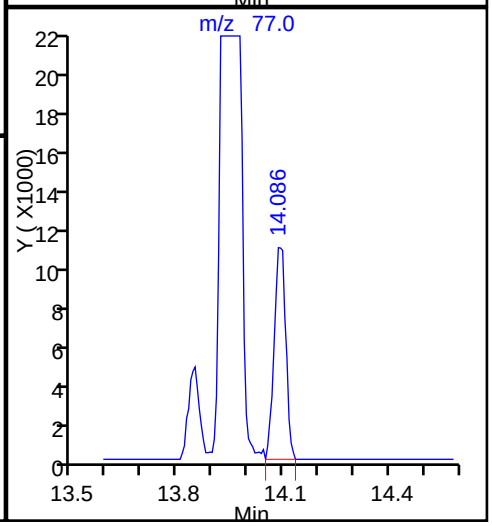


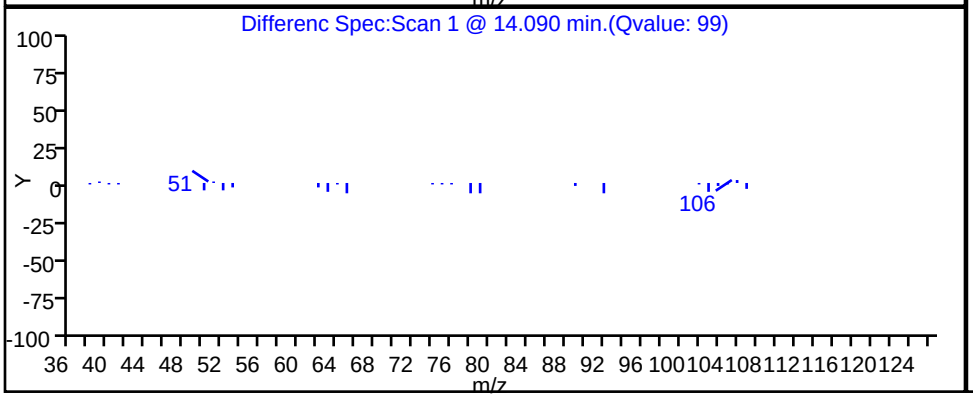








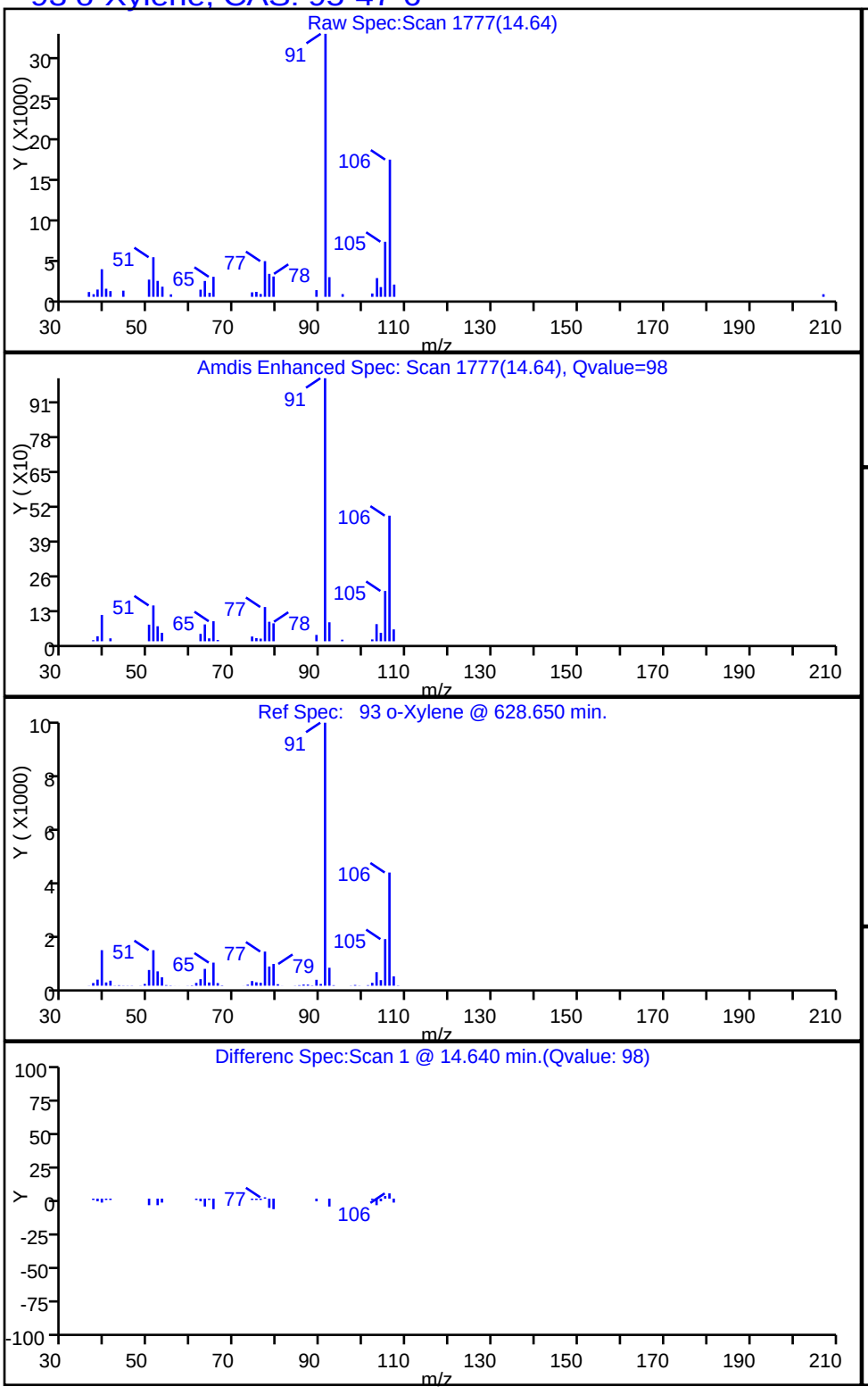


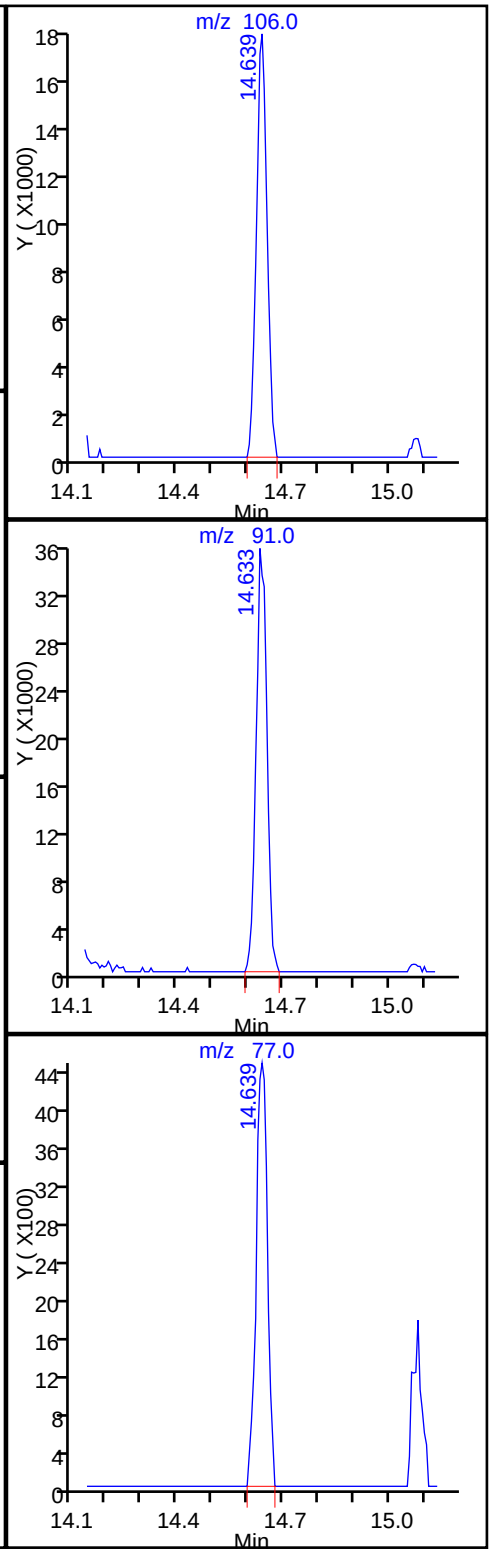


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2253.D				
Injection Date:	11-Dec-2015 04:11:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-6-A	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

93 o-Xylene, CAS: 95-47-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S1 DL | Lab Sample ID: 480-92213-6 DL

Matrix: Solid | Lab File ID: S6207.D

Analysis Method: 8260C | Date Collected: 12/03/2015 10:10

Sample wt/vol: 5.1(g) | Date Analyzed: 12/17/2015 03:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Medium

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		440	120
79-34-5	1,1,2,2-Tetrachloroethane	ND		440	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		440	220
79-00-5	1,1,2-Trichloroethane	ND		440	92
75-34-3	1,1-Dichloroethane	ND		440	140
75-35-4	1,1-Dichloroethene	ND		440	150
120-82-1	1,2,4-Trichlorobenzene	ND		440	170
96-12-8	1,2-Dibromo-3-Chloropropane	ND		440	220
106-93-4	1,2-Dibromoethane	ND		440	77
95-50-1	1,2-Dichlorobenzene	ND		440	110
107-06-2	1,2-Dichloroethane	ND		440	180
78-87-5	1,2-Dichloropropane	ND		440	71
541-73-1	1,3-Dichlorobenzene	ND		440	120
106-46-7	1,4-Dichlorobenzene	ND		440	61
78-93-3	2-Butanone (MEK)	ND		2200	1300
591-78-6	2-Hexanone	ND		2200	900
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2200	140
67-64-1	Acetone	ND		2200	1800
71-43-2	Benzene	ND		440	83
75-27-4	Bromodichloromethane	ND		440	88
75-25-2	Bromoform	ND		440	220
74-83-9	Bromomethane	ND		440	97
75-15-0	Carbon disulfide	ND		440	200
56-23-5	Carbon tetrachloride	ND		440	110
108-90-7	Chlorobenzene	ND		440	58
75-00-3	Chloroethane	ND		440	91
67-66-3	Chloroform	ND		440	300
74-87-3	Chloromethane	ND		440	100
156-59-2	cis-1,2-Dichloroethene	520		440	120
10061-01-5	cis-1,3-Dichloropropene	ND		440	100
110-82-7	Cyclohexane	ND		440	97
124-48-1	Dibromochloromethane	ND		440	210
75-71-8	Dichlorodifluoromethane	ND		440	190
100-41-4	Ethylbenzene	1800		440	130
98-82-8	Isopropylbenzene	ND		440	66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S1 DL | Lab Sample ID: 480-92213-6 DL

Matrix: Solid | Lab File ID: S6207.D

Analysis Method: 8260C | Date Collected: 12/03/2015 10:10

Sample wt/vol: 5.1(g) | Date Analyzed: 12/17/2015 03:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Medium

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		440	210
1634-04-4	Methyl tert-butyl ether	ND		440	170
108-87-2	Methylcyclohexane	ND		440	210
75-09-2	Methylene Chloride	ND		440	87
100-42-5	Styrene	ND		440	110
127-18-4	Tetrachloroethene	26000		440	59
108-88-3	Toluene	ND		440	120
156-60-5	trans-1,2-Dichloroethene	ND		440	100
10061-02-6	trans-1,3-Dichloropropene	ND		440	43
79-01-6	Trichloroethene	2200		440	120
75-69-4	Trichlorofluoromethane	ND		440	210
75-01-4	Vinyl chloride	ND		440	150
1330-20-7	Xylenes, Total	ND		880	240

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		53-146
460-00-4	4-Bromofluorobenzene (Surr)	92		49-148
2037-26-5	Toluene-d8 (Surr)	95		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6207.D
Lims ID: 480-92213-A-6-C Lab Sample ID: 480-92213-6
Client ID: B25-AREA2-S1
Sample Type: Client
Inject. Date: 17-Dec-2015 03:25:30 ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-92213-a-6-c
Misc. Info.: 480-0049315-014
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 10:24:35 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: gentilej Date: 17-Dec-2015 10:24:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	114061	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	238536	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	96	220095	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	89536	25.3	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	85	542767	25.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	168810	25.1	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.510				ND	
14 Bromomethane	94		1.821				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.654				ND	
23 Acetone	43		2.739				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.159				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63		3.792				ND	
45 cis-1,2-Dichloroethene	96	4.345	4.345	0.000	30	6916	1.19	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.783				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.929				ND	
57 Benzene	78		5.136				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.751	-0.006	86	27673	5.12	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92		6.986				ND	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	372776	59.8	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.428				ND	
88 Ethylbenzene	91	8.525	8.525	0.000	95	97336	4.15	
90 m-Xylene & p-Xylene	106	8.653	8.653	0.006	0	1952	0.1964	
91 o-Xylene	106		9.072				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.839				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1				0		0.1964	

Reagents:

S_8260_IS_00131	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00121	Amount Added:	1.00	Units: uL	Run Reagent

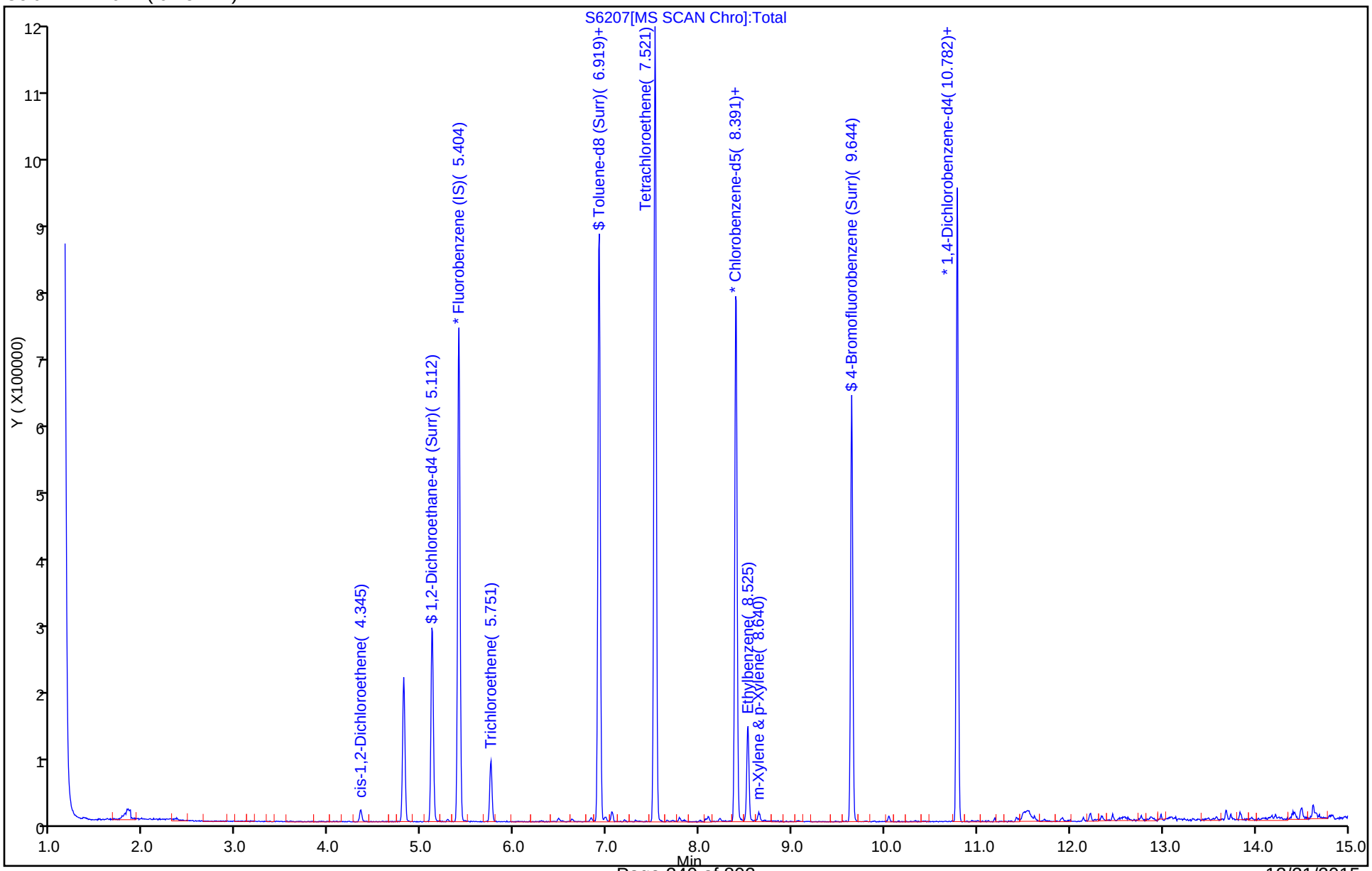
Report Date: 17-Dec-2015 10:24:36 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6207.D

Injection Date:	17-Dec-2015 03:25:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	480-92213-A-6-C	Lab Sample ID:	480-92213-6	Worklist Smp#:	14
Client ID:	B25-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

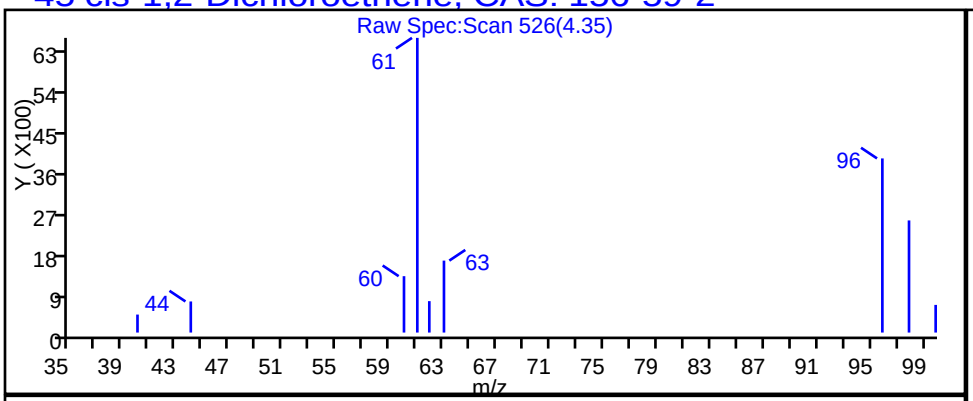
Column: ZB-624 (0.25 mm)

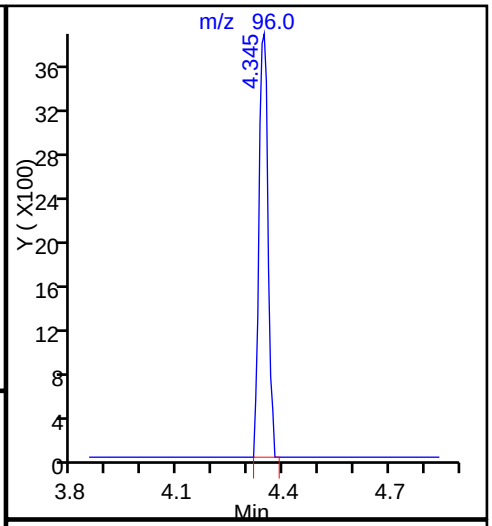


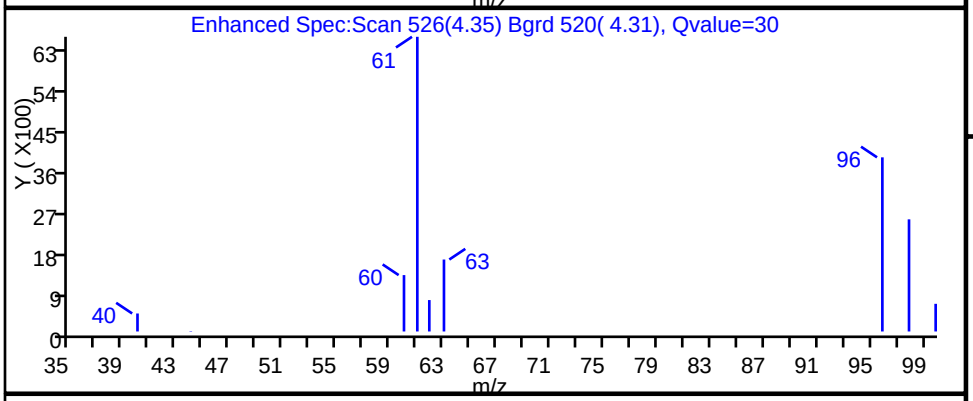
TestAmerica Buffalo

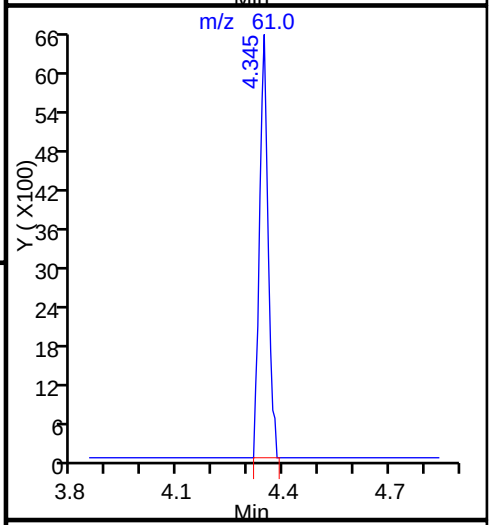
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6207.D				
Injection Date:	17-Dec-2015 03:25:30	Instrument ID:	HP5973S		
Lims ID:	480-92213-A-6-C	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	9	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

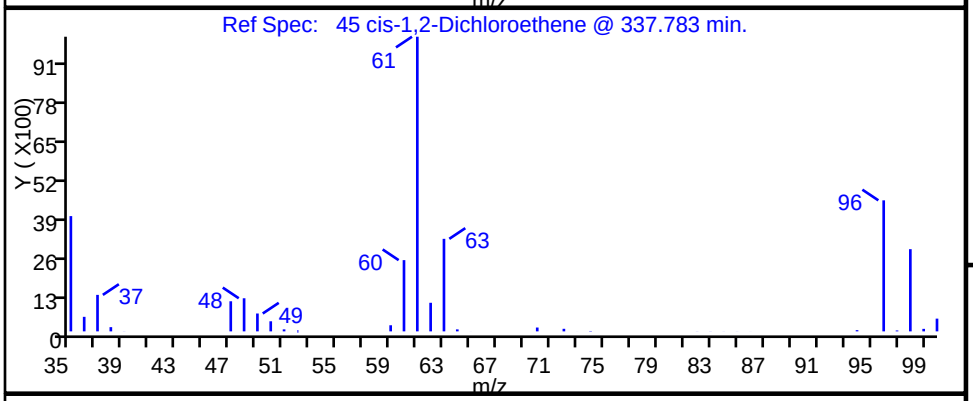
45 cis-1,2-Dichloroethene, CAS: 156-59-2

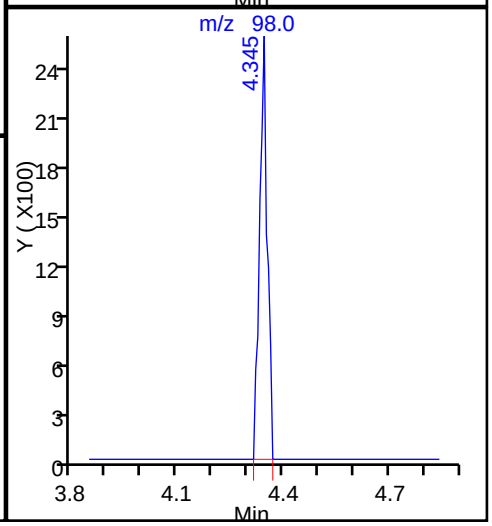


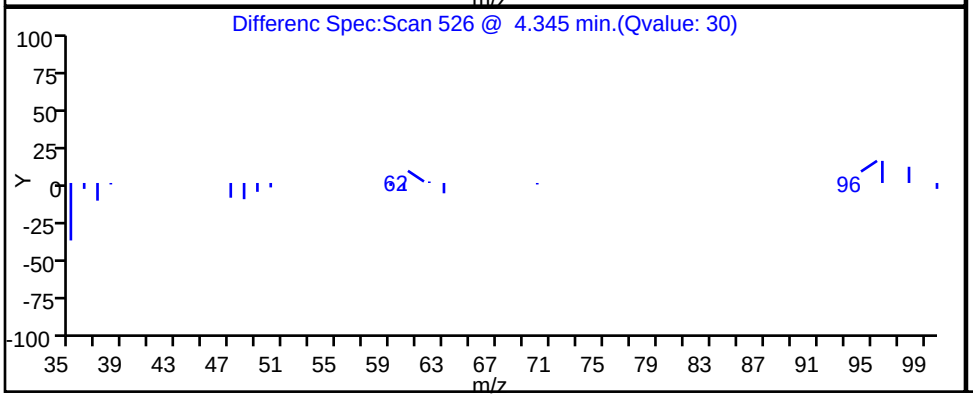










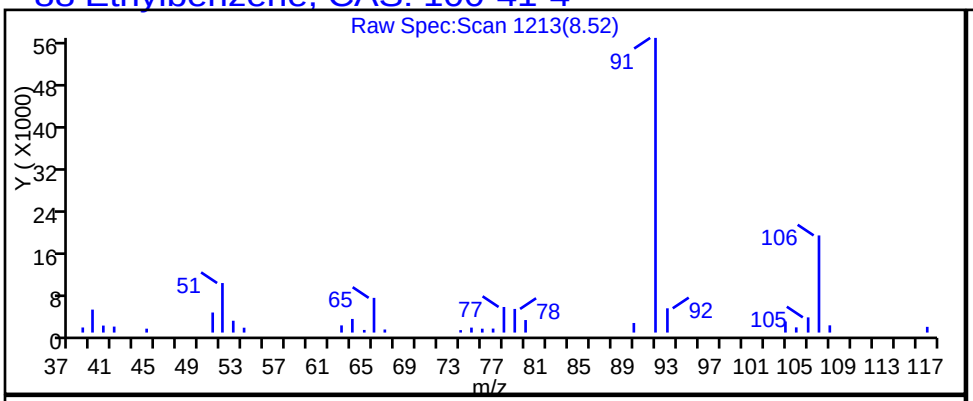


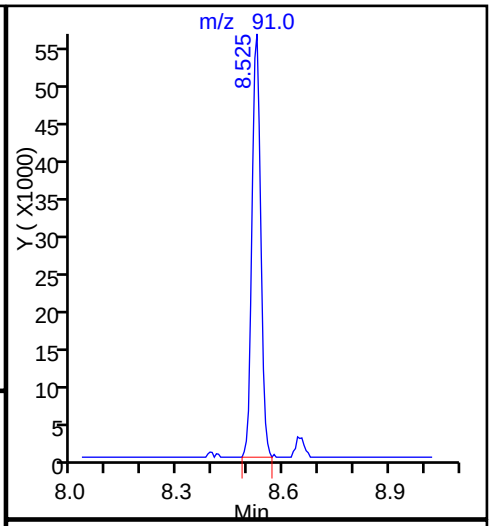
TestAmerica Buffalo

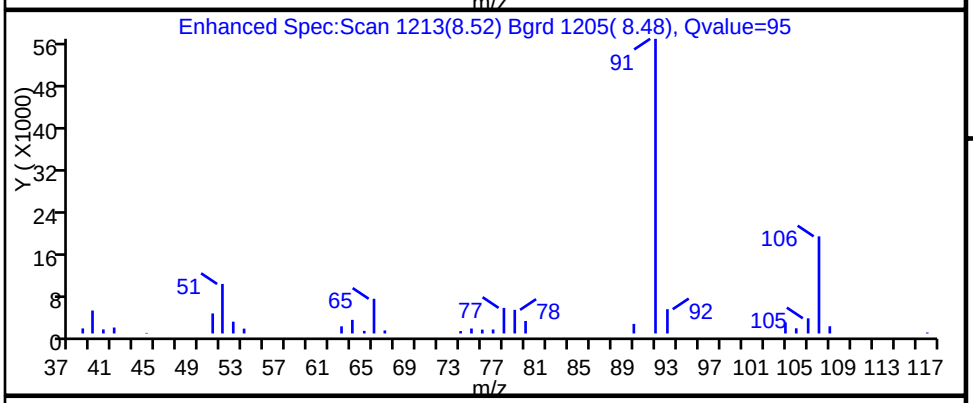
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6207.D

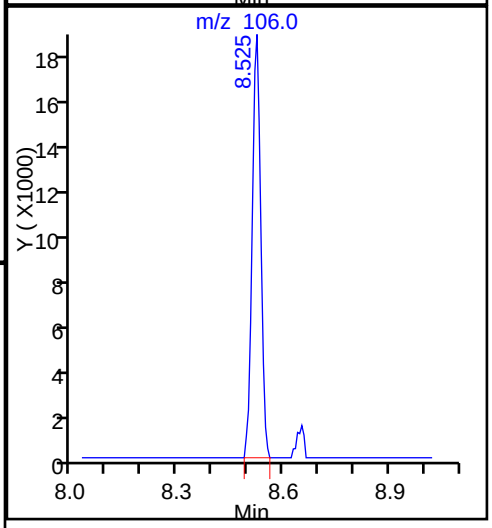
Injection Date:	17-Dec-2015 03:25:30	Instrument ID:	HP5973S
Lims ID:	480-92213-A-6-C	Lab Sample ID:	480-92213-6
Client ID:	B25-AREA2-S1		
Operator ID:	GF	ALS Bottle#:	9 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

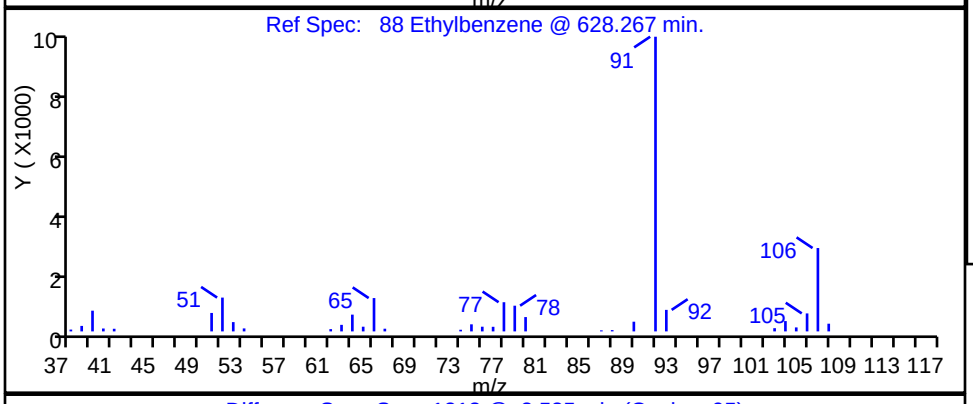
88 Ethylbenzene, CAS: 100-41-4

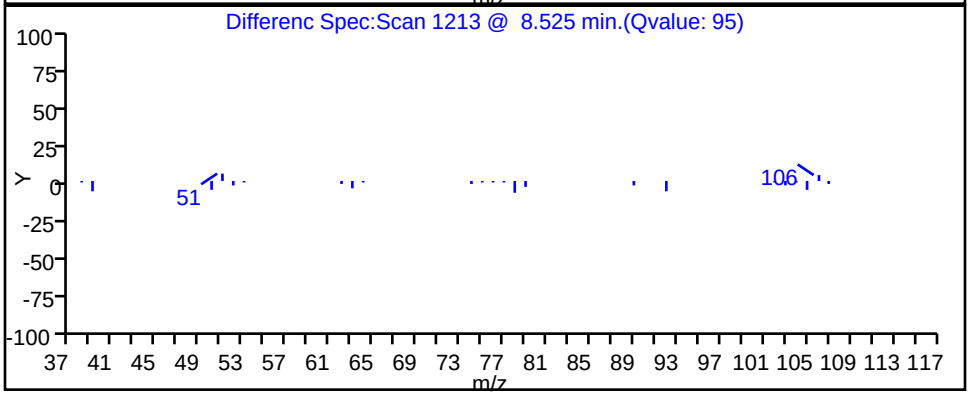










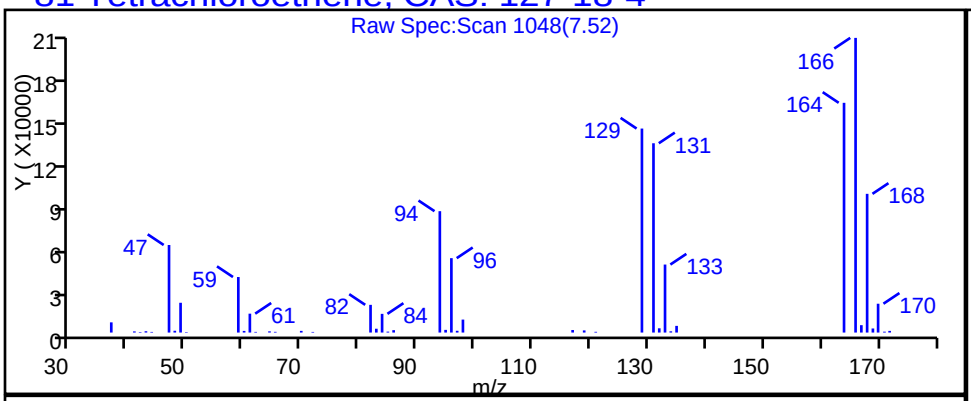


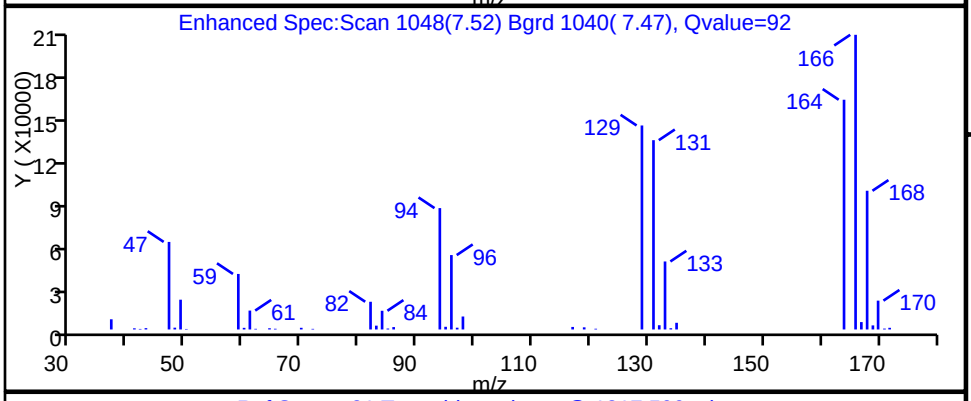
TestAmerica Buffalo

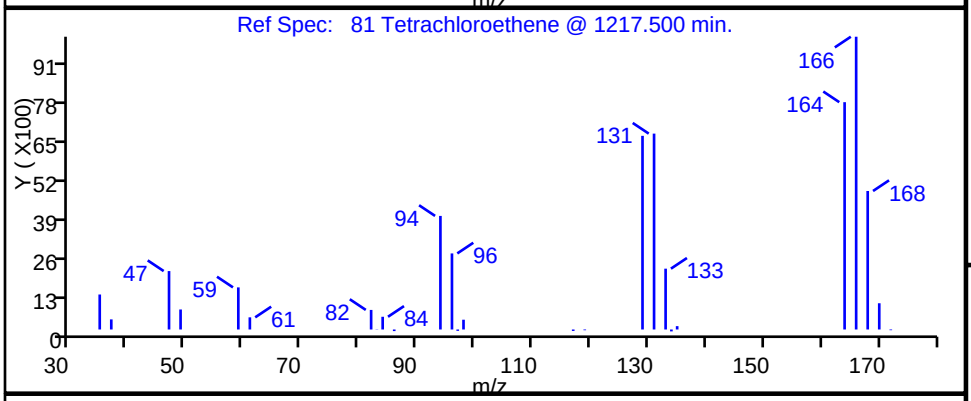
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6207.D

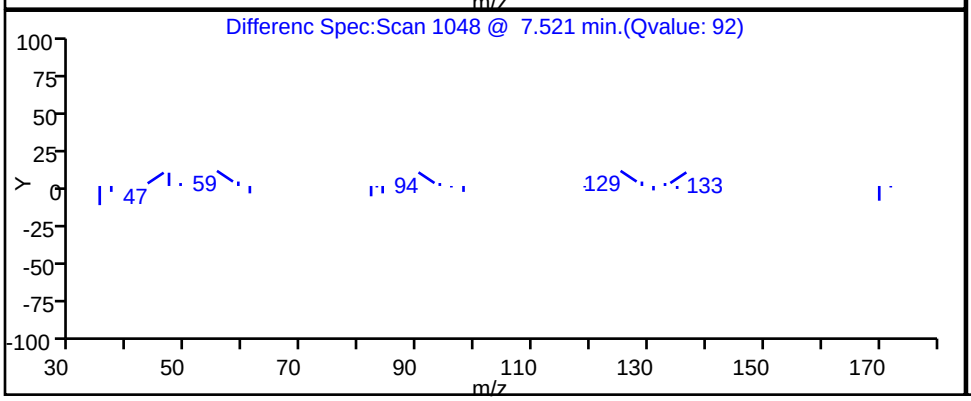
Injection Date:	17-Dec-2015 03:25:30	Instrument ID:	HP5973S		
Lims ID:	480-92213-A-6-C	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	9	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

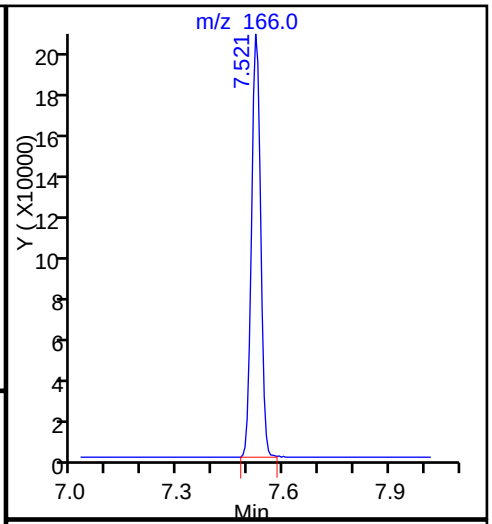
81 Tetrachloroethene, CAS: 127-18-4

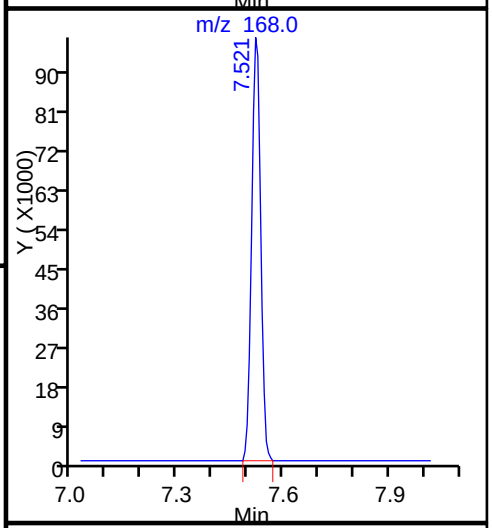


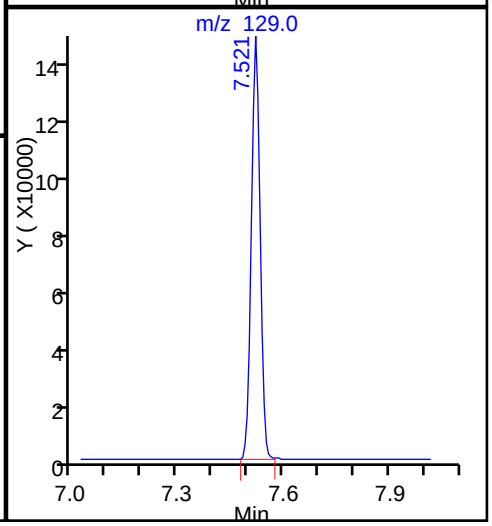










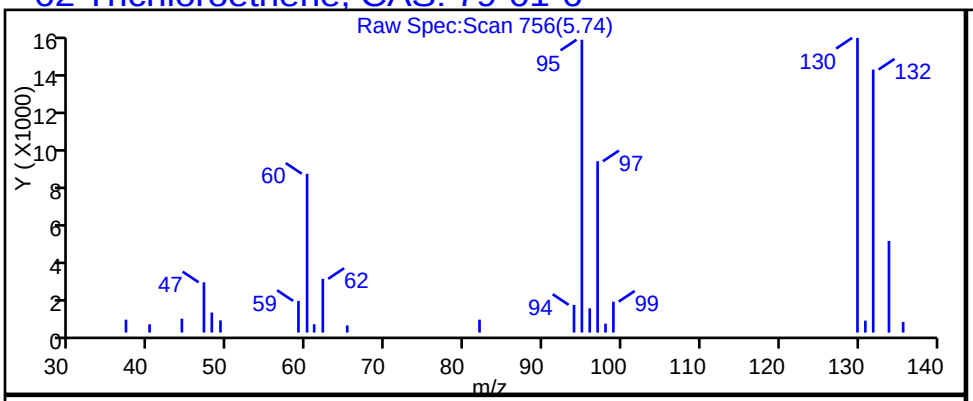


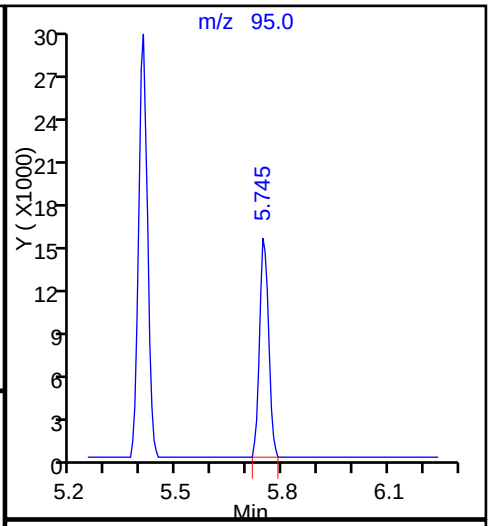
TestAmerica Buffalo

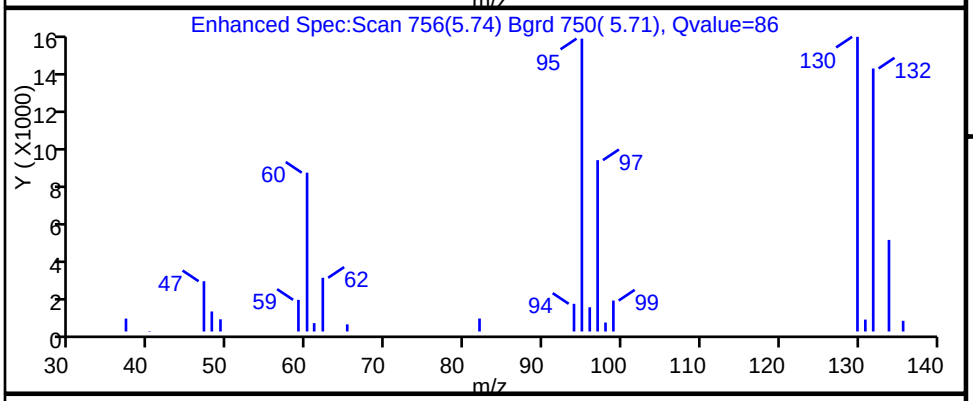
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6207.D

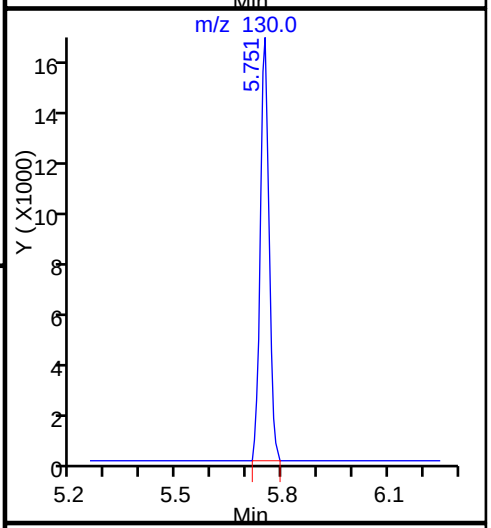
Injection Date:	17-Dec-2015 03:25:30	Instrument ID:	HP5973S		
Lims ID:	480-92213-A-6-C	Lab Sample ID:	480-92213-6		
Client ID:	B25-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	9	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

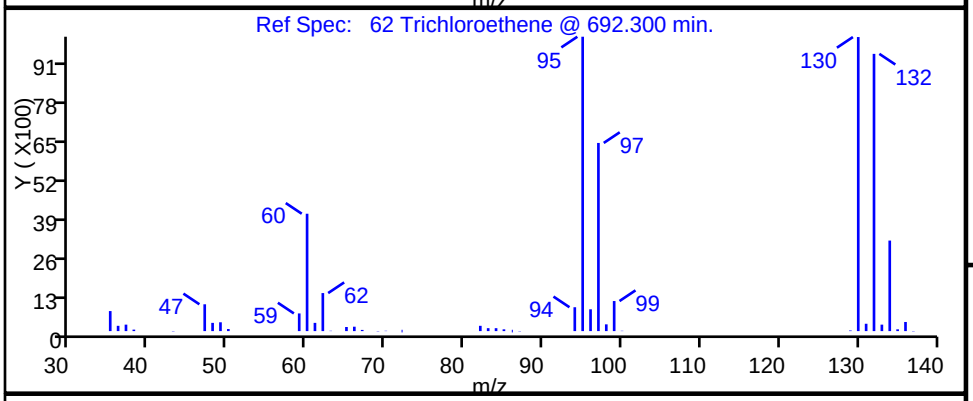
62 Trichloroethene, CAS: 79-01-6

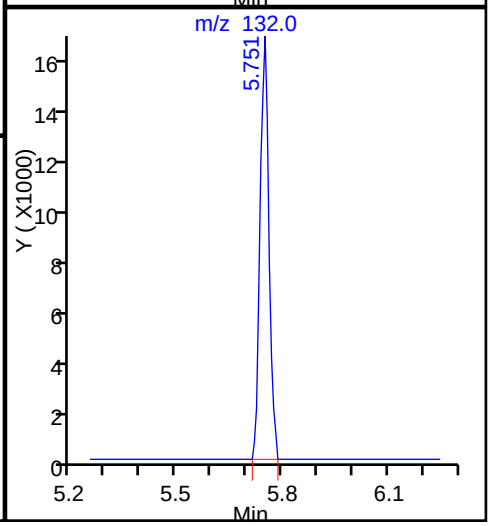


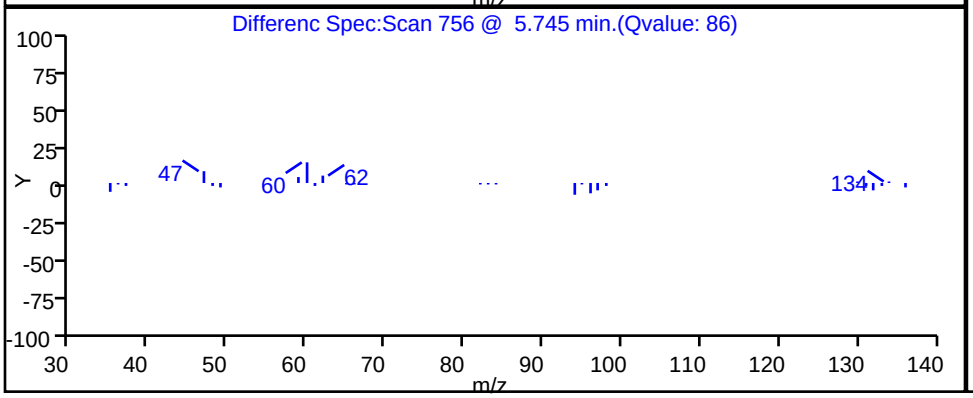












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S2 | Lab Sample ID: 480-92213-7

Matrix: Solid | Lab File ID: P2300.D

Analysis Method: 8260C | Date Collected: 12/03/2015 10:30

Sample wt/vol: 5(g) | Date Analyzed: 12/12/2015 13:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.0 | Level: (low/med) Low

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.4	0.47
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	6.4	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.5
79-00-5	1,1,2-Trichloroethane	ND	*	6.4	0.83
75-34-3	1,1-Dichloroethane	ND		6.4	0.78
75-35-4	1,1-Dichloroethene	ND		6.4	0.78
120-82-1	1,2,4-Trichlorobenzene	ND	*	6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	6.4	3.2
106-93-4	1,2-Dibromoethane	ND	*	6.4	0.82
95-50-1	1,2-Dichlorobenzene	ND	*	6.4	0.50
107-06-2	1,2-Dichloroethane	ND		6.4	0.32
78-87-5	1,2-Dichloropropane	ND		6.4	3.2
541-73-1	1,3-Dichlorobenzene	ND	*	6.4	0.33
106-46-7	1,4-Dichlorobenzene	ND	*	6.4	0.90
78-93-3	2-Butanone (MEK)	ND		32	2.3
591-78-6	2-Hexanone	ND	*	32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	32	2.1
67-64-1	Acetone	24	J	32	5.4
71-43-2	Benzene	ND		6.4	0.31
75-27-4	Bromodichloromethane	ND		6.4	0.86
75-25-2	Bromoform	ND	*	6.4	3.2
74-83-9	Bromomethane	ND		6.4	0.58
75-15-0	Carbon disulfide	ND		6.4	3.2
56-23-5	Carbon tetrachloride	ND		6.4	0.62
108-90-7	Chlorobenzene	ND	*	6.4	0.85
75-00-3	Chloroethane	ND		6.4	1.4
67-66-3	Chloroform	ND		6.4	0.40
74-87-3	Chloromethane	ND		6.4	0.39
156-59-2	cis-1,2-Dichloroethene	1.9	J	6.4	0.82
10061-01-5	cis-1,3-Dichloropropene	ND		6.4	0.92
110-82-7	Cyclohexane	ND		6.4	0.90
124-48-1	Dibromochloromethane	ND	*	6.4	0.82
75-71-8	Dichlorodifluoromethane	ND		6.4	0.53
100-41-4	Ethylbenzene	ND	*	6.4	0.44
98-82-8	Isopropylbenzene	ND	*	6.4	0.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S2 | Lab Sample ID: 480-92213-7

Matrix: Solid | Lab File ID: P2300.D

Analysis Method: 8260C | Date Collected: 12/03/2015 10:30

Sample wt/vol: 5(g) | Date Analyzed: 12/12/2015 13:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.0 | Level: (low/med) Low

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.4	3.9
1634-04-4	Methyl tert-butyl ether	ND		6.4	0.63
108-87-2	Methylcyclohexane	ND		6.4	0.97
75-09-2	Methylene Chloride	2.9	J	6.4	2.9
100-42-5	Styrene	ND	*	6.4	0.32
127-18-4	Tetrachloroethene	5.5	J *	6.4	0.86
108-88-3	Toluene	ND	*	6.4	0.48
156-60-5	trans-1,2-Dichloroethene	ND		6.4	0.66
10061-02-6	trans-1,3-Dichloropropene	ND	*	6.4	2.8
79-01-6	Trichloroethene	ND		6.4	1.4
75-69-4	Trichlorofluoromethane	ND		6.4	0.61
75-01-4	Vinyl chloride	ND		6.4	0.78
1330-20-7	Xylenes, Total	ND		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-126
460-00-4	4-Bromofluorobenzene (Surr)	56	* X	72-126
2037-26-5	Toluene-d8 (Surr)	129	* X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D
Lims ID: 480-92213-A-7-C Lab Sample ID: 480-92213-7
Client ID: B25-AREA2-S2
Sample Type: Client
Inject. Date: 12-Dec-2015 13:13:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-7-C
Misc. Info.: 480-0049177-014
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 08:46:00 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: cwiklinc Date: 14-Dec-2015 08:46:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	231784	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.836	0.006	89	294581	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	104156	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	196373	54.8	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	834189	64.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	90	126678	28.2	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.390	6.390	0.000	97	49584	18.7	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.725	6.725	-0.049	59	15671	0.6541	M
31 Methylene Chloride	84	6.980	6.980	0.000	94	31404	2.27	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.526	-0.001	83	10742	1.52	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.350	10.350	-0.001	55	3661	0.5289	M
64 Methylcyclohexane	83		10.582				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.231				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	88	17159	4.27	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

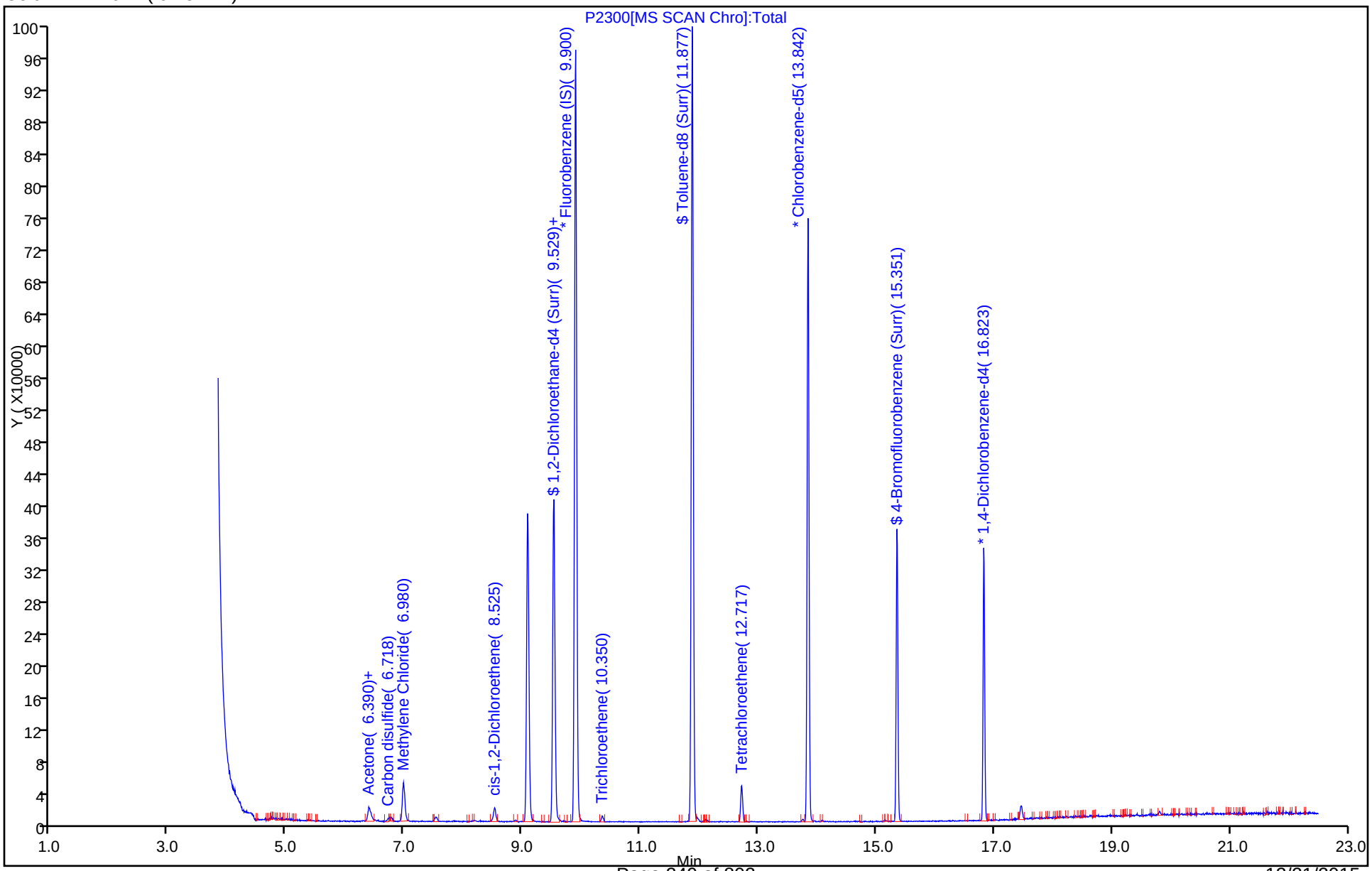
Report Date: 14-Dec-2015 08:46:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D

Injection Date:	12-Dec-2015 13:13:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-7-C	Lab Sample ID:	480-92213-7	Worklist Smp#:	14
Client ID:	B25-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

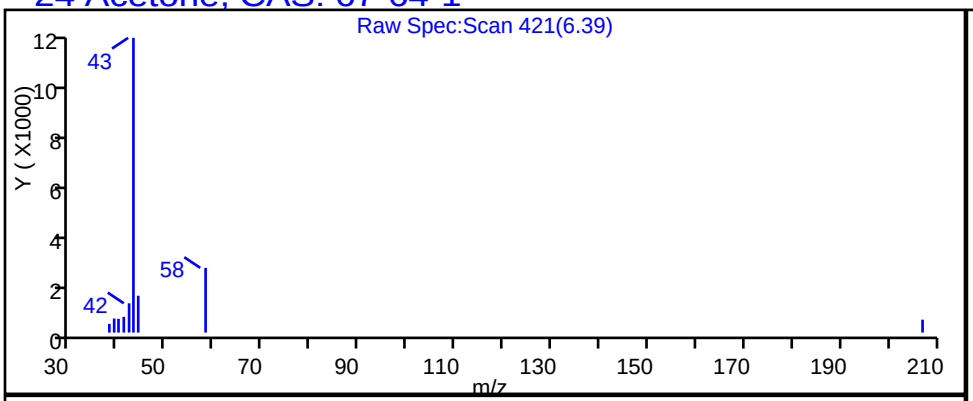


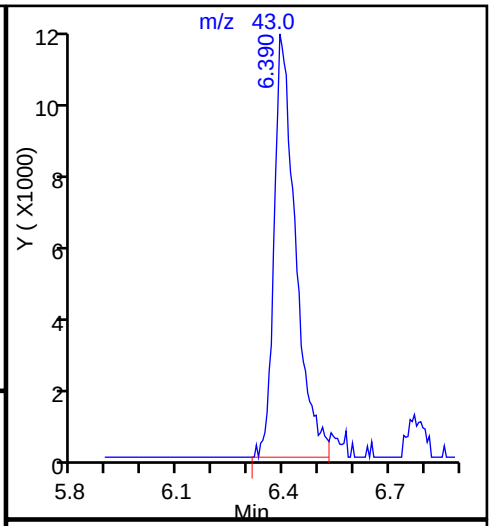
TestAmerica Buffalo

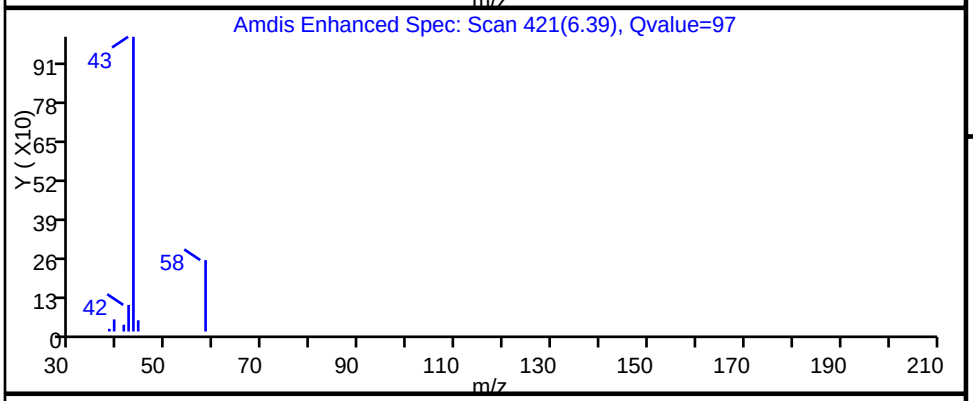
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D

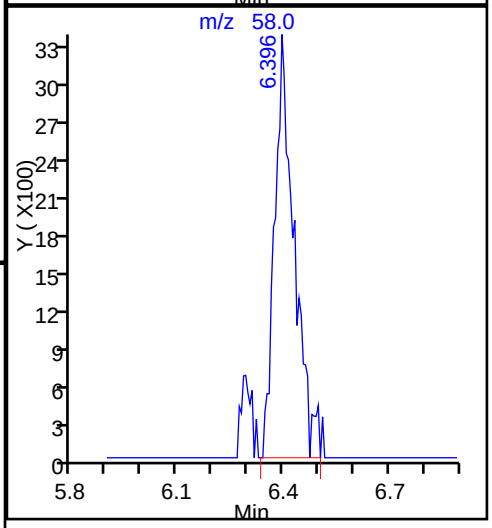
Injection Date:	12-Dec-2015 13:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-7-C	Lab Sample ID:	480-92213-7		
Client ID:	B25-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

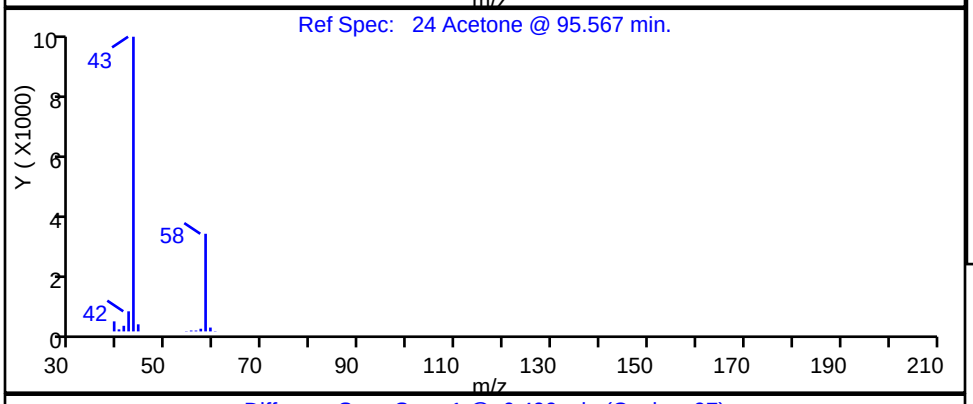
24 Acetone, CAS: 67-64-1

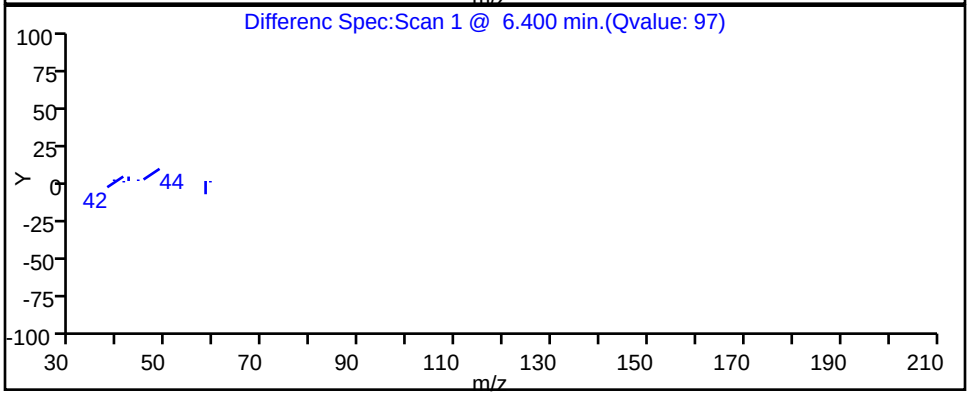








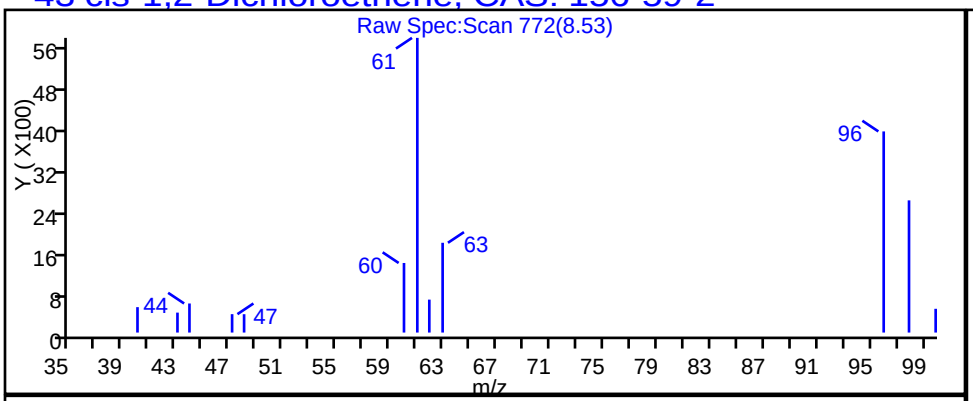


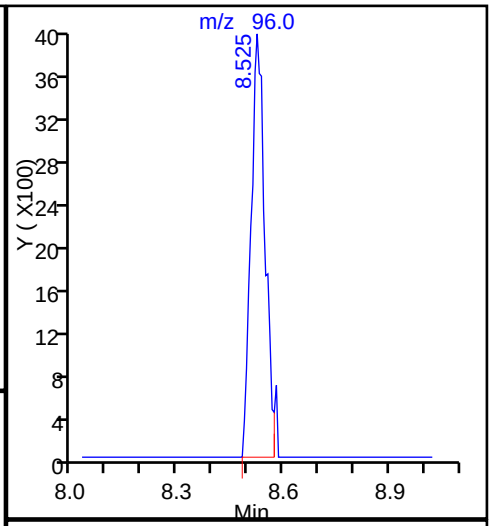


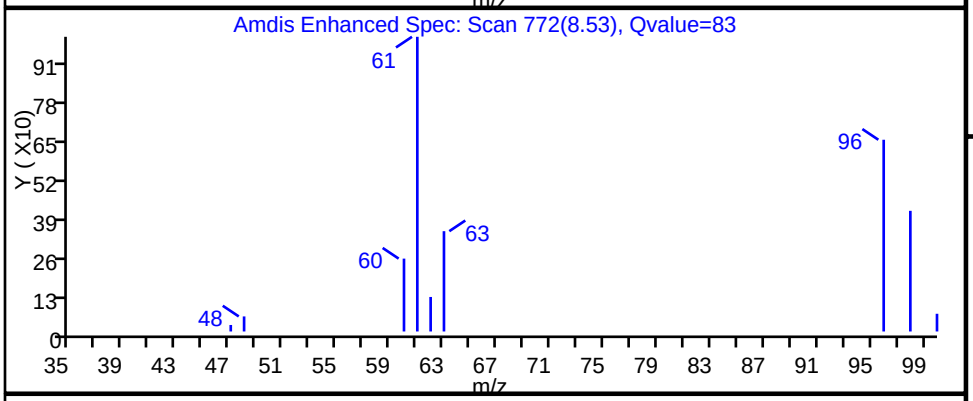
TestAmerica Buffalo

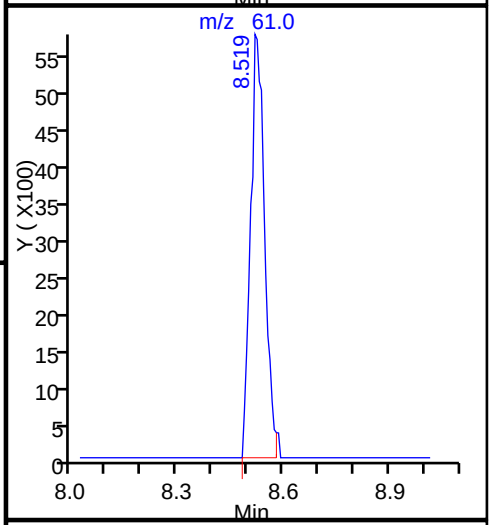
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D				
Injection Date:	12-Dec-2015 13:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-7-C	Lab Sample ID:	480-92213-7		
Client ID:	B25-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

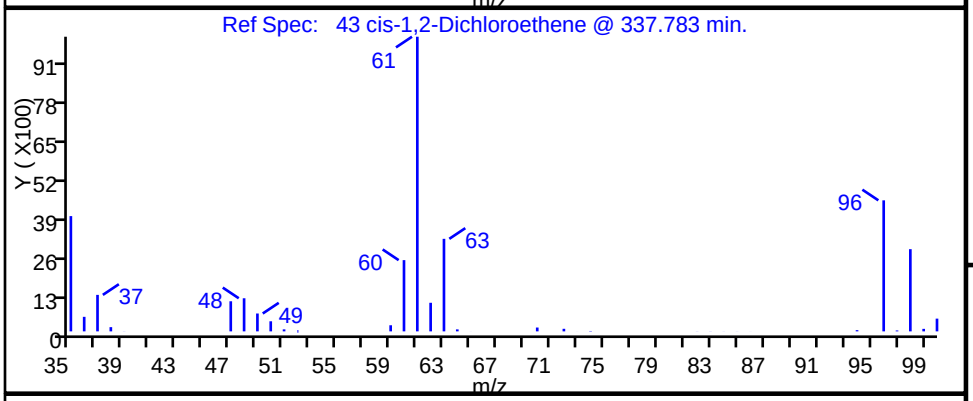
43 cis-1,2-Dichloroethene, CAS: 156-59-2

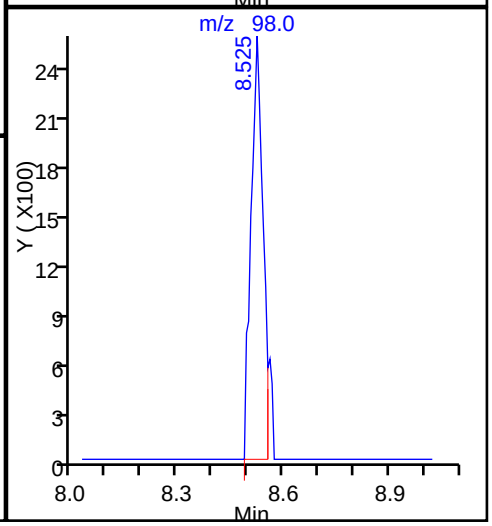


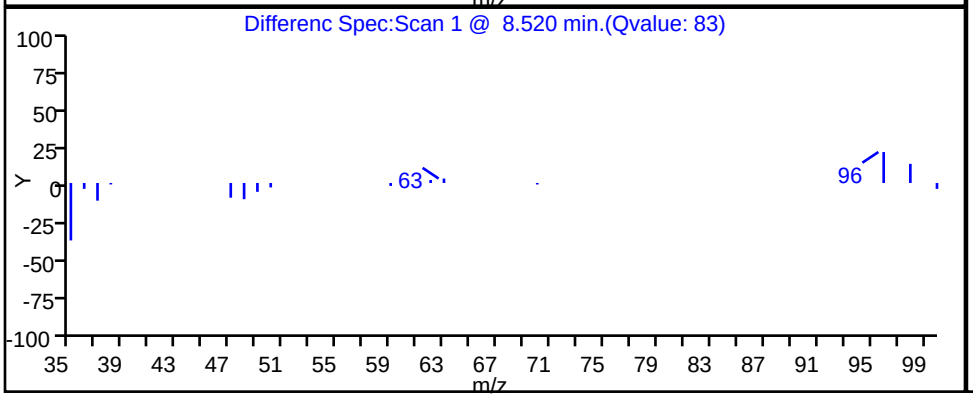












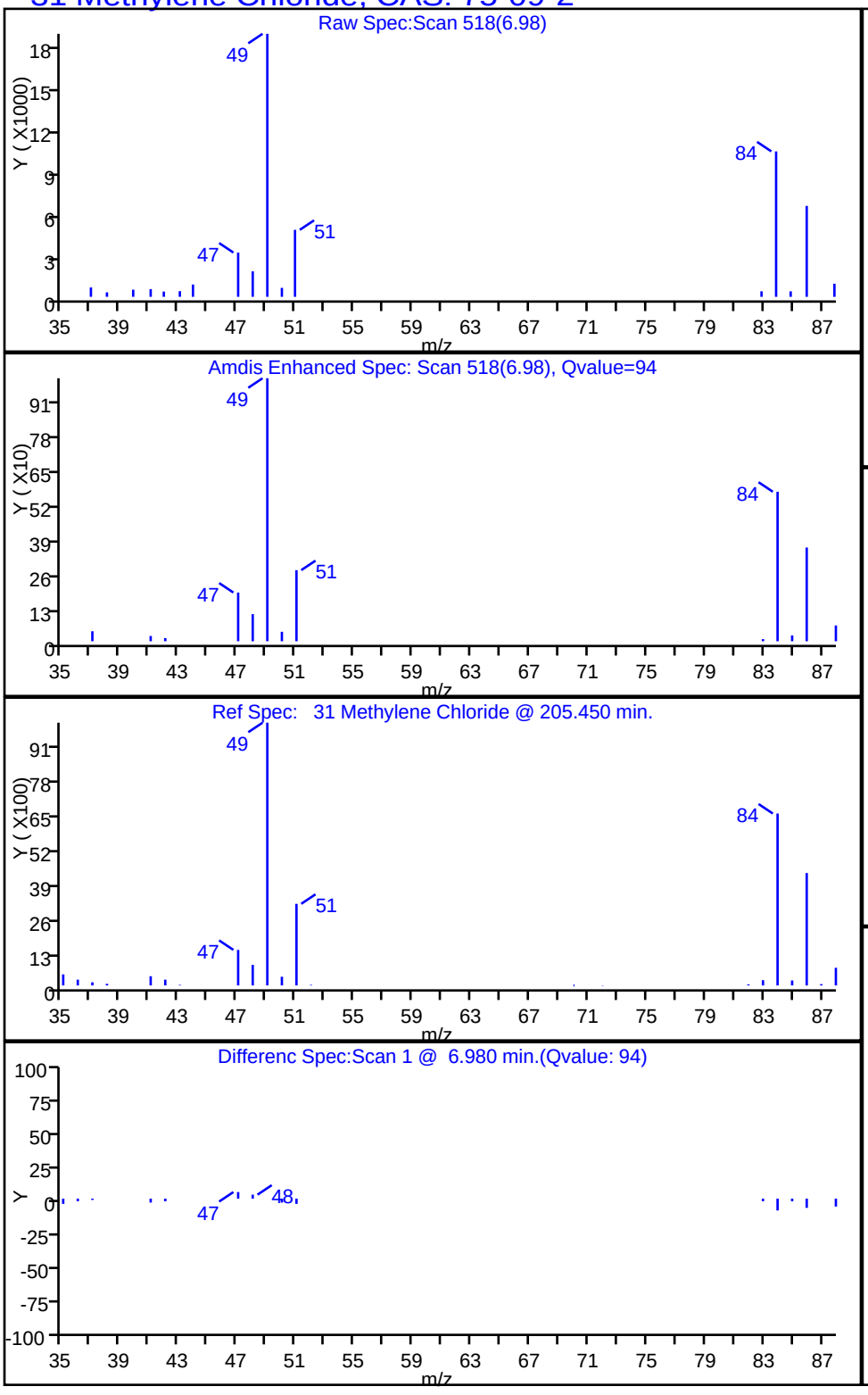
Report Date: 14-Dec-2015 08:46:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

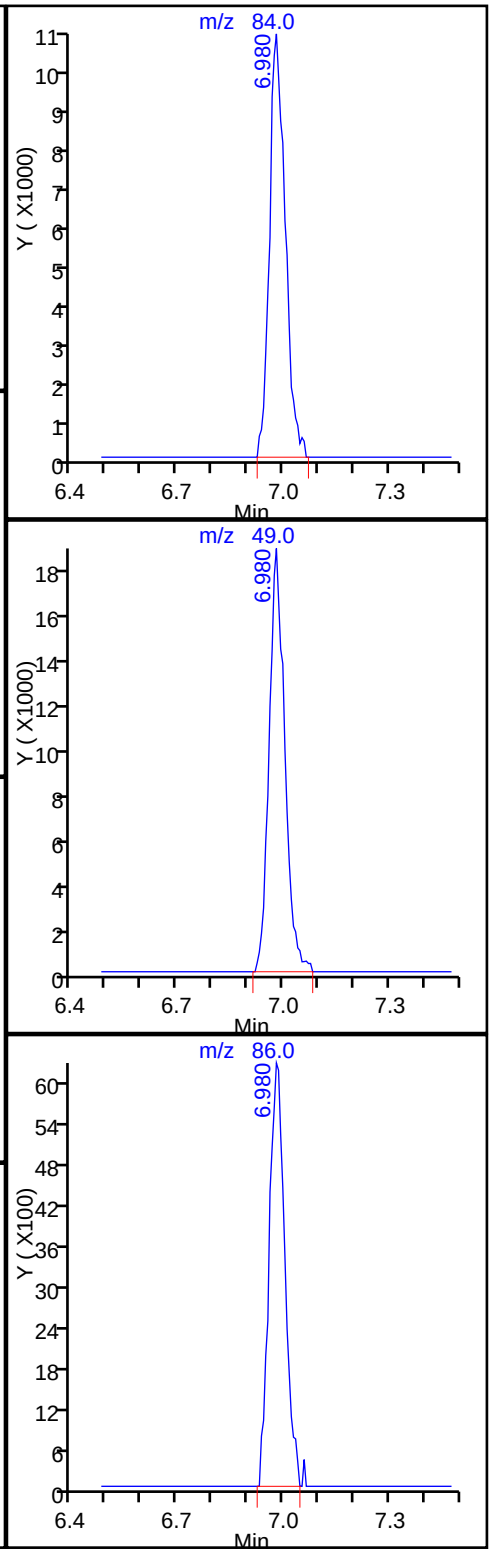
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D

Injection Date:	12-Dec-2015 13:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-7-C	Lab Sample ID:	480-92213-7		
Client ID:	B25-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



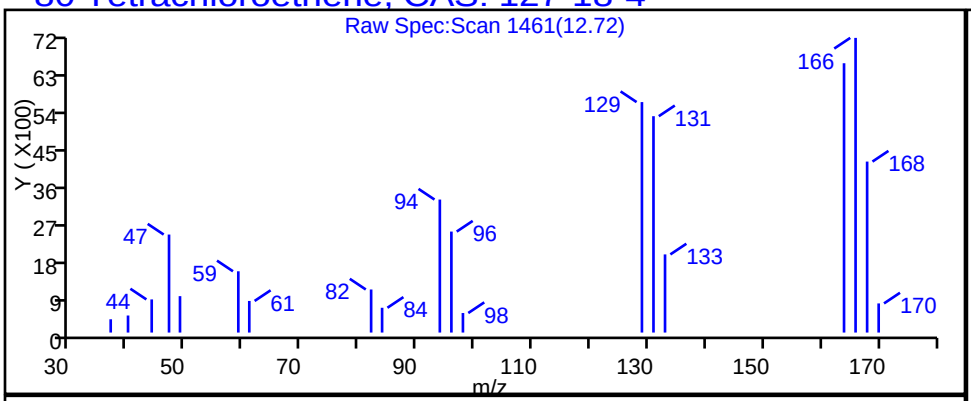


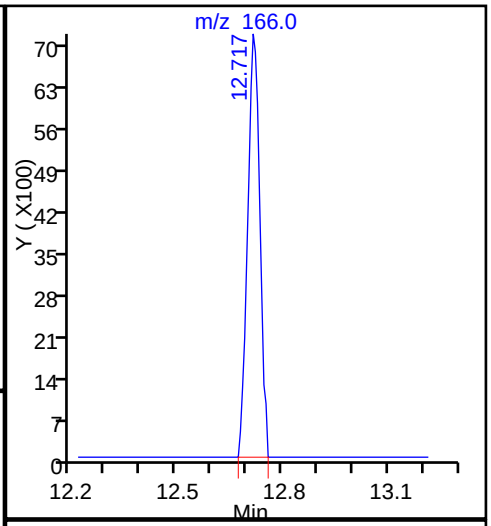
TestAmerica Buffalo

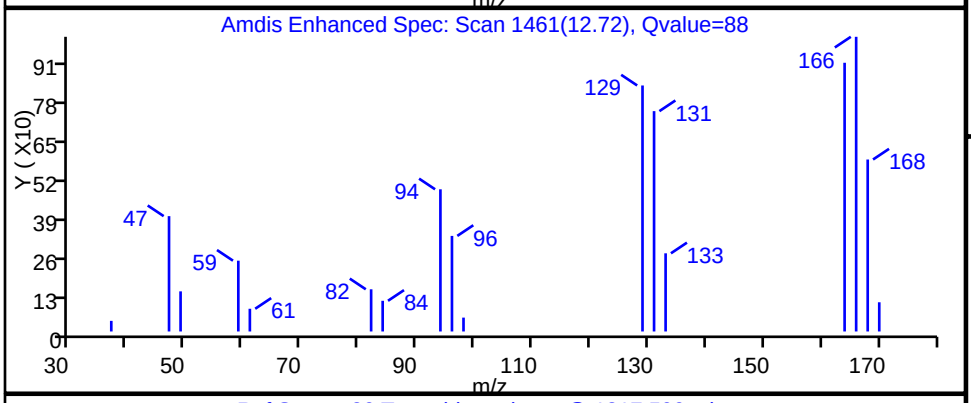
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D

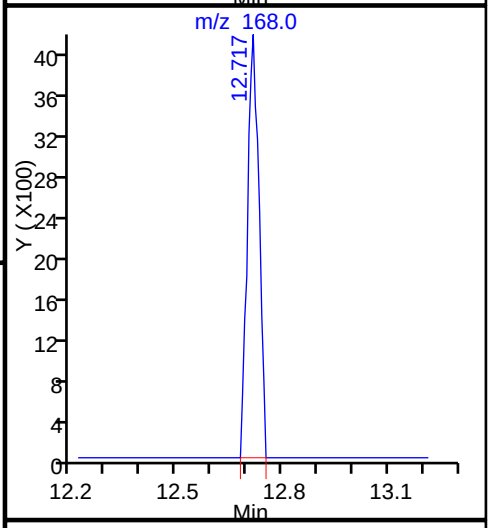
Injection Date:	12-Dec-2015 13:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-7-C	Lab Sample ID:	480-92213-7		
Client ID:	B25-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

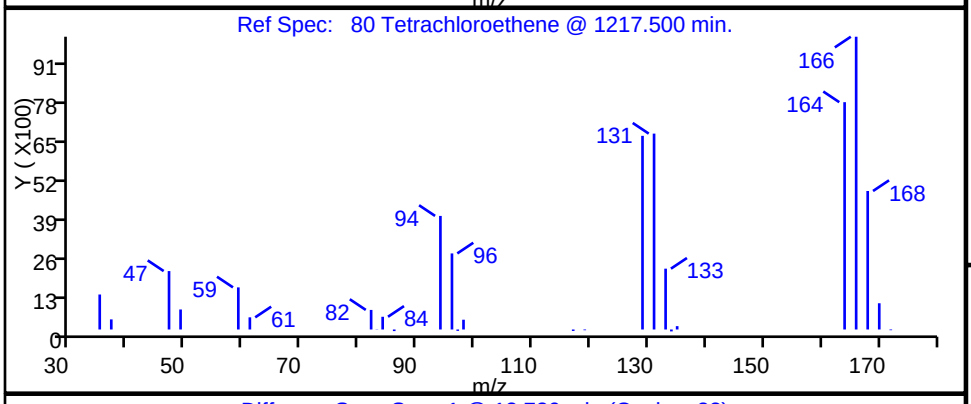
80 Tetrachloroethene, CAS: 127-18-4

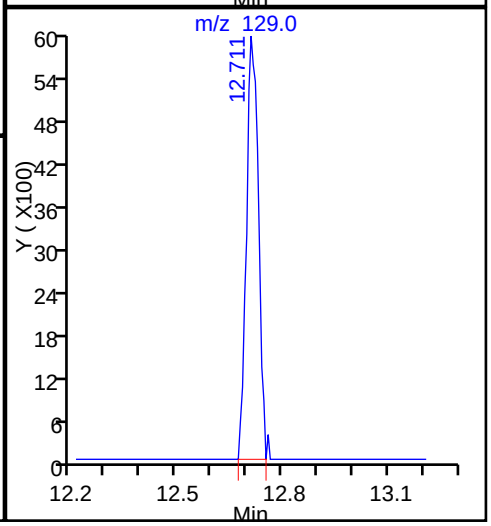


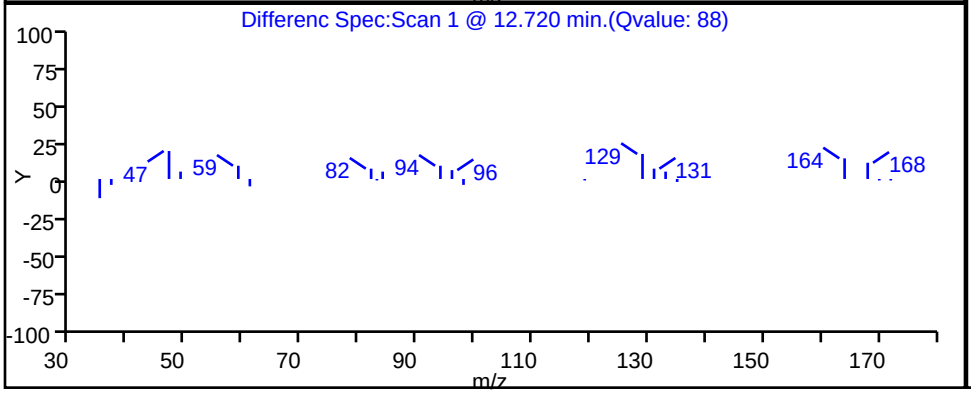












Manual Integration/User Assign Peak Report

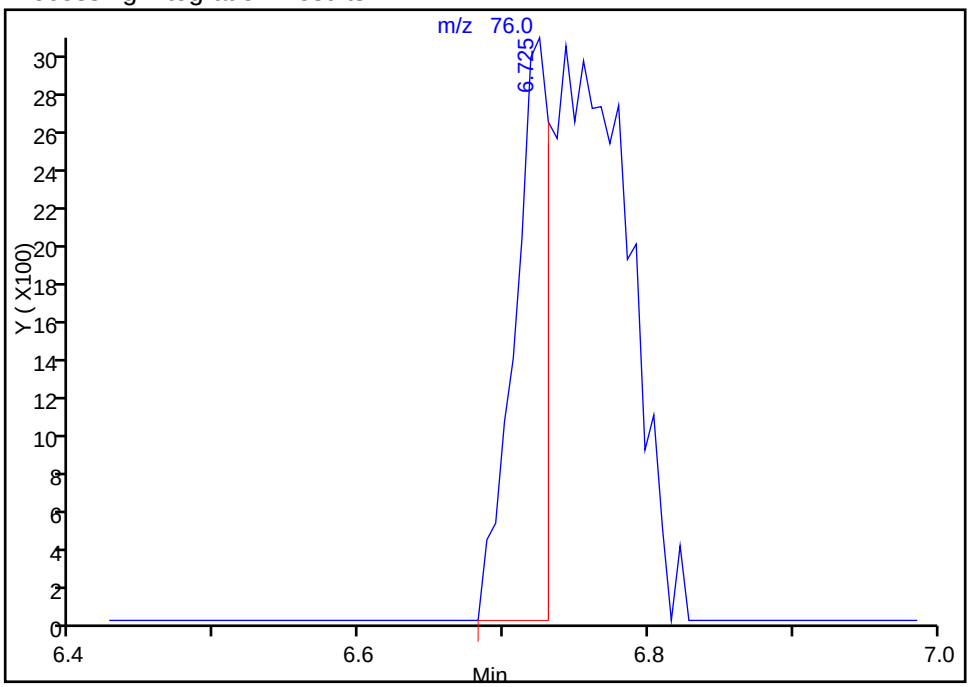
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D				
Injection Date:	12-Dec-2015 13:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-7-C	Lab Sample ID:	480-92213-7		
Client ID:	B25-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

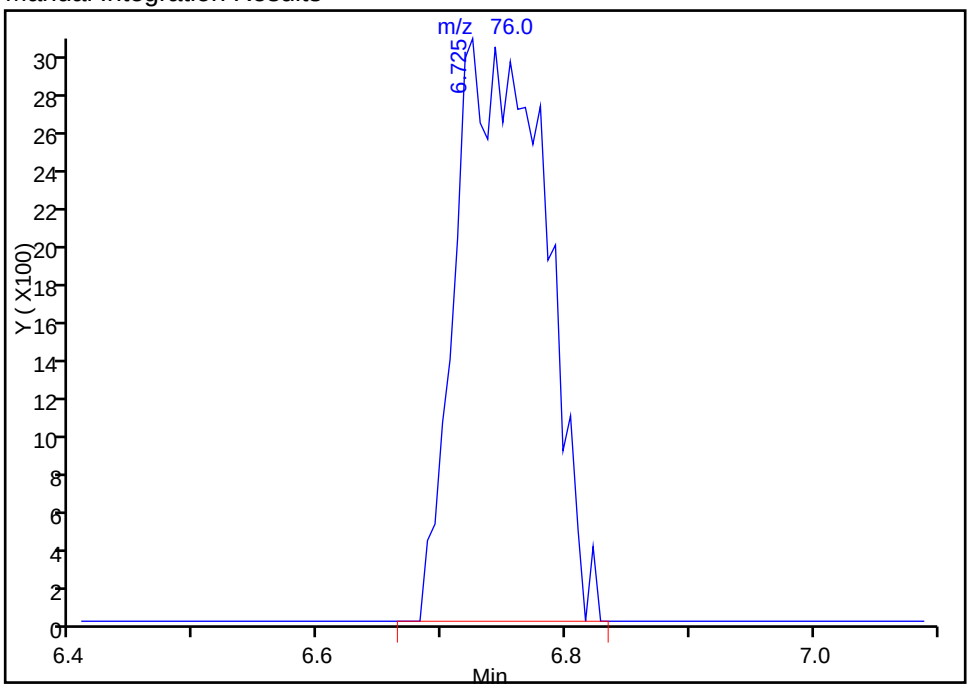
Processing Integration Results

RT: 6.72
Area: 5171
Amount: 0.215844
Amount Units: ug/L



Manual Integration Results

RT: 6.72
Area: 15671
Amount: 0.654128
Amount Units: ug/L



Reviewer: cwiklinc, 14-Dec-2015 08:46:00
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

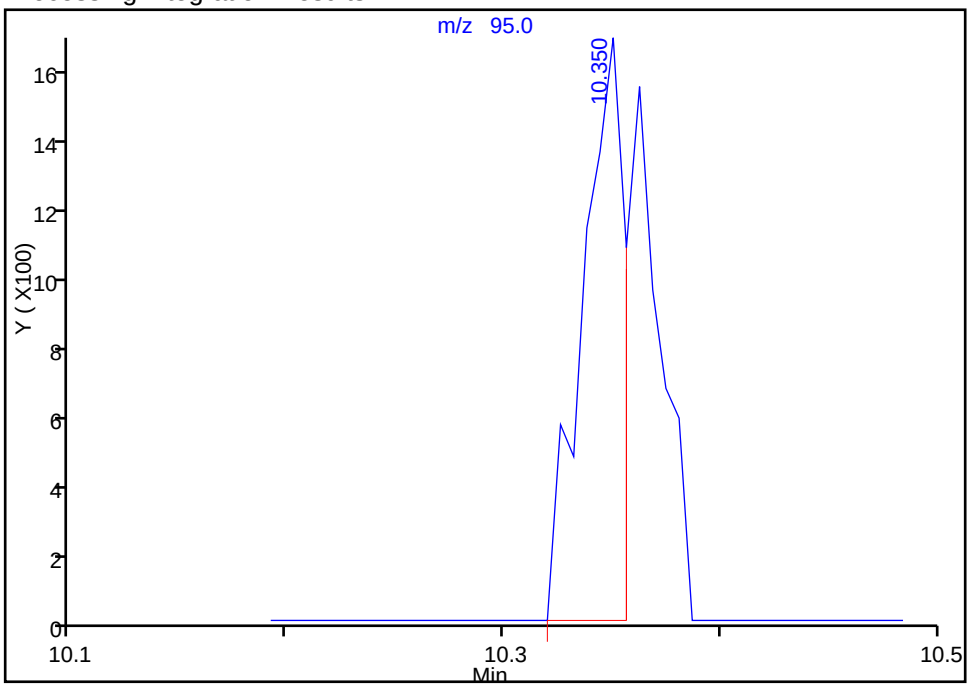
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2300.D				
Injection Date:	12-Dec-2015 13:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-7-C	Lab Sample ID:	480-92213-7		
Client ID:	B25-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

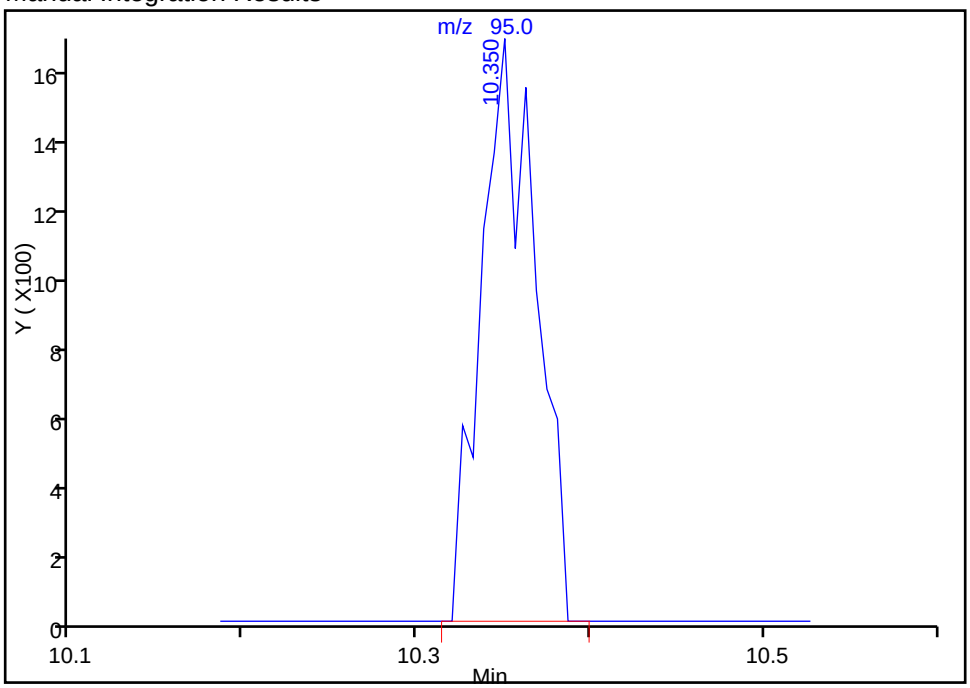
Processing Integration Results

RT: 10.35
Area: 2293
Amount: 0.331293
Amount Units: ug/L



Manual Integration Results

RT: 10.35
Area: 3661
Amount: 0.528942
Amount Units: ug/L



Reviewer: cwiklinc, 14-Dec-2015 08:46:00
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S3 Lab Sample ID: 480-92213-8

Matrix: Solid Lab File ID: P2255.D

Analysis Method: 8260C Date Collected: 12/03/2015 10:40

Sample wt/vol: 5.01(g) Date Analyzed: 12/11/2015 05:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.9 Level: (low/med) Low

Analysis Batch No.: 279212 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.0	0.97
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.4
79-00-5	1,1,2-Trichloroethane	ND		6.0	0.78
75-34-3	1,1-Dichloroethane	ND		6.0	0.73
75-35-4	1,1-Dichloroethene	ND		6.0	0.74
120-82-1	1,2,4-Trichlorobenzene	ND		6.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.0	3.0
106-93-4	1,2-Dibromoethane	ND		6.0	0.77
95-50-1	1,2-Dichlorobenzene	ND		6.0	0.47
107-06-2	1,2-Dichloroethane	ND		6.0	0.30
78-87-5	1,2-Dichloropropane	ND		6.0	3.0
541-73-1	1,3-Dichlorobenzene	ND		6.0	0.31
106-46-7	1,4-Dichlorobenzene	ND		6.0	0.84
78-93-3	2-Butanone (MEK)	ND		30	2.2
591-78-6	2-Hexanone	ND		30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		30	2.0
67-64-1	Acetone	14	J B	30	5.1
71-43-2	Benzene	ND		6.0	0.29
75-27-4	Bromodichloromethane	ND		6.0	0.80
75-25-2	Bromoform	ND		6.0	3.0
74-83-9	Bromomethane	ND		6.0	0.54
75-15-0	Carbon disulfide	ND		6.0	3.0
56-23-5	Carbon tetrachloride	ND		6.0	0.58
108-90-7	Chlorobenzene	ND		6.0	0.79
75-00-3	Chloroethane	ND		6.0	1.4
67-66-3	Chloroform	ND		6.0	0.37
74-87-3	Chloromethane	ND		6.0	0.36
156-59-2	cis-1,2-Dichloroethene	2.7	J	6.0	0.77
10061-01-5	cis-1,3-Dichloropropene	ND		6.0	0.86
110-82-7	Cyclohexane	ND		6.0	0.84
124-48-1	Dibromochloromethane	ND		6.0	0.77
75-71-8	Dichlorodifluoromethane	ND		6.0	0.50
100-41-4	Ethylbenzene	ND		6.0	0.41
98-82-8	Isopropylbenzene	ND		6.0	0.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B25-AREA2-S3 | Lab Sample ID: 480-92213-8

Matrix: Solid | Lab File ID: P2255.D

Analysis Method: 8260C | Date Collected: 12/03/2015 10:40

Sample wt/vol: 5.01(g) | Date Analyzed: 12/11/2015 05:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.9 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.0	3.6
1634-04-4	Methyl tert-butyl ether	ND		6.0	0.59
108-87-2	Methylcyclohexane	ND		6.0	0.91
75-09-2	Methylene Chloride	ND		6.0	2.8
100-42-5	Styrene	ND		6.0	0.30
127-18-4	Tetrachloroethene	9.1		6.0	0.81
108-88-3	Toluene	ND		6.0	0.45
156-60-5	trans-1,2-Dichloroethene	ND		6.0	0.62
10061-02-6	trans-1,3-Dichloropropene	ND		6.0	2.6
79-01-6	Trichloroethene	1.4	J	6.0	1.3
75-69-4	Trichlorofluoromethane	ND		6.0	0.57
75-01-4	Vinyl chloride	ND		6.0	0.73
1330-20-7	Xylenes, Total	ND		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	79		72-126
2037-26-5	Toluene-d8 (Surr)	111		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2255.D
Lims ID: 480-92213-A-8-A Lab Sample ID: 480-92213-8
Client ID: B25-AREA2-S3
Sample Type: Client
Inject. Date: 11-Dec-2015 05:05:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-8-A
Misc. Info.: 480-0049138-015
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 11:27:22 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 11:27:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	256575	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	430328	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	288687	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	209053	52.7	
$ 5 Toluene-d8 (Surr)	98	11.878	11.884	-0.006	93	1048388	55.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	94	257765	39.3	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.346				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	97	33394	11.4	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.725	6.725	-0.048	98	17381	0.6554	M
31 Methylene Chloride	84	6.986	6.986	0.000	95	23224	0.6491	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	84	17467	2.23	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.351	10.350	0.001	90	8969	1.17	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	94	44686	7.62	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.340				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

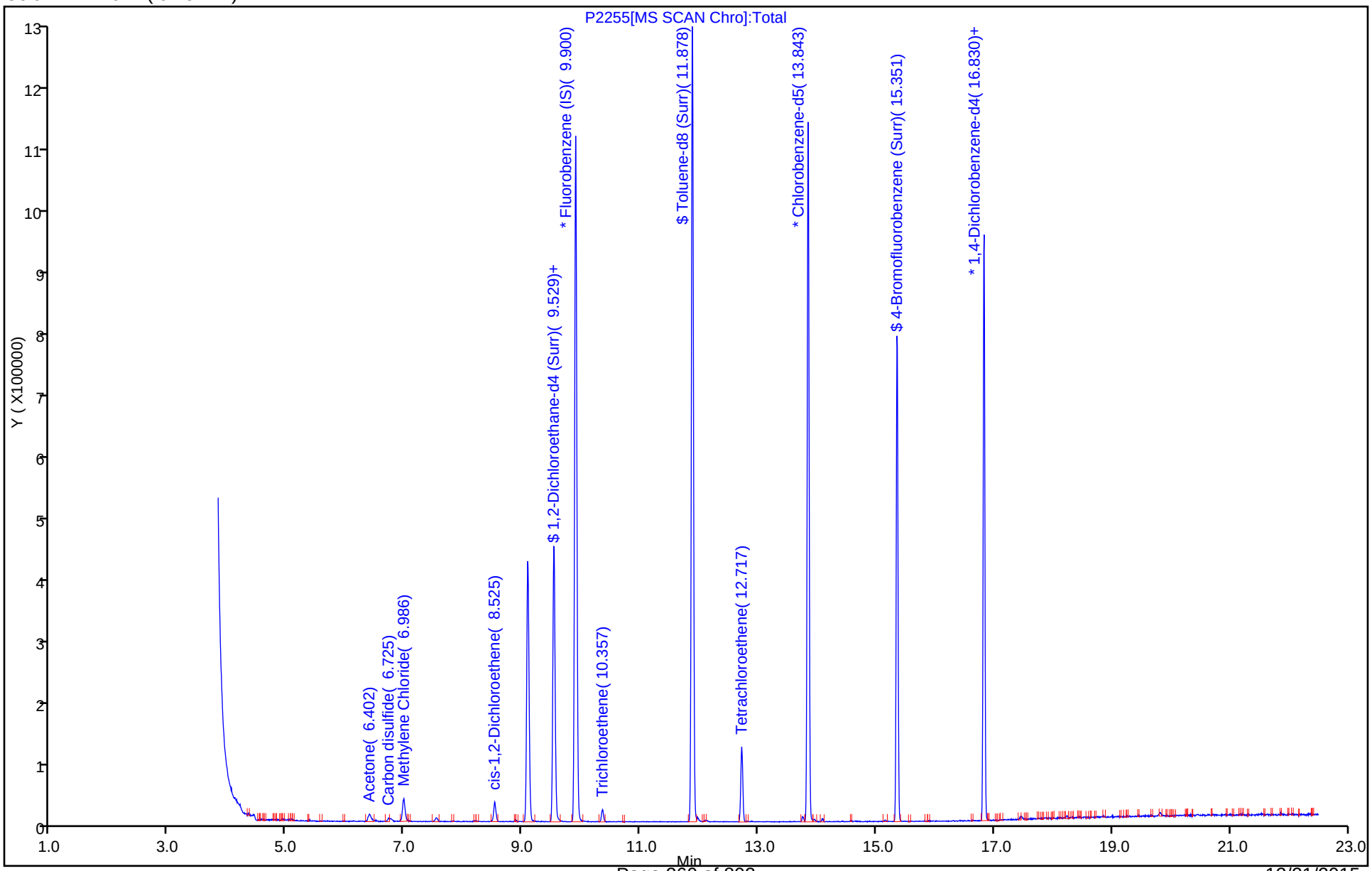
Report Date: 11-Dec-2015 11:27:23 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2255.D

Injection Date:	11-Dec-2015 05:05:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-8-A	Lab Sample ID:	480-92213-8	Worklist Smp#:	15
Client ID:	B25-AREA2-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

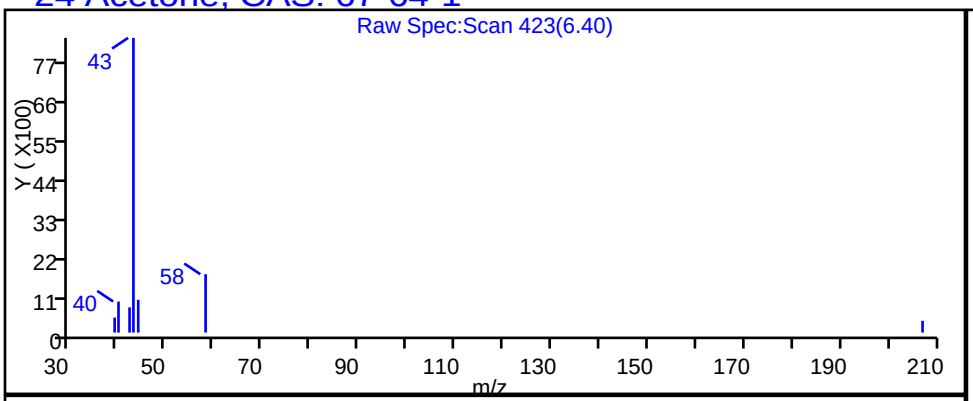


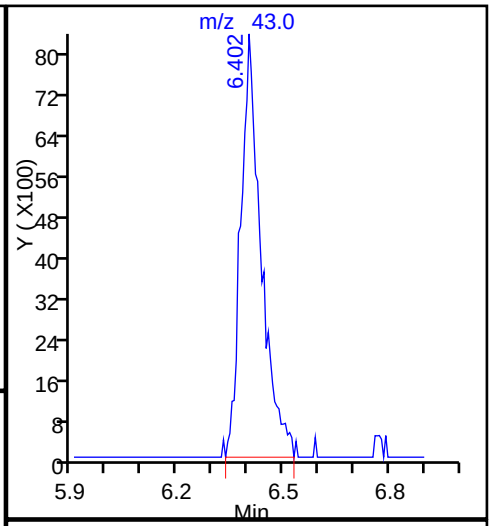
TestAmerica Buffalo

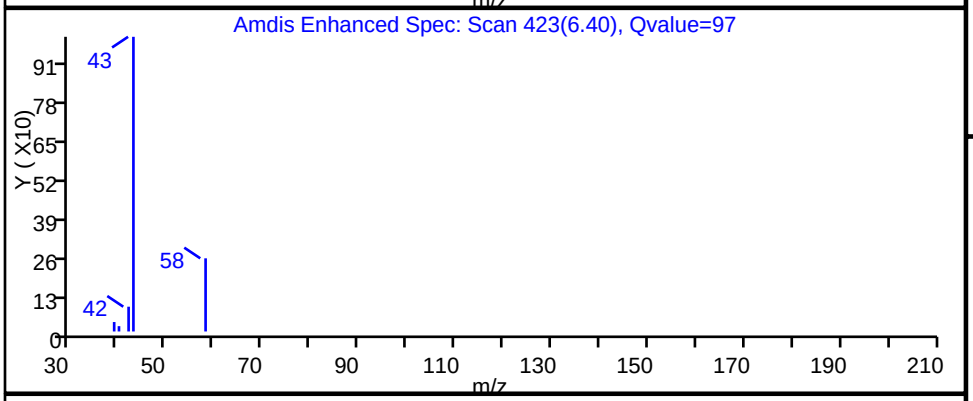
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2255.D

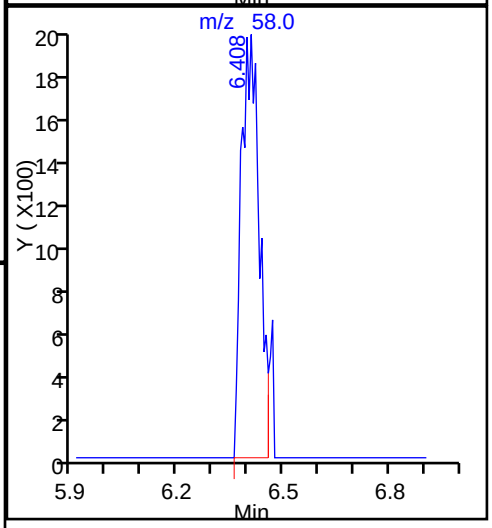
Injection Date:	11-Dec-2015 05:05:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-8-A	Lab Sample ID:	480-92213-8
Client ID:	B25-AREA2-S3		
Operator ID:	NMD	ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

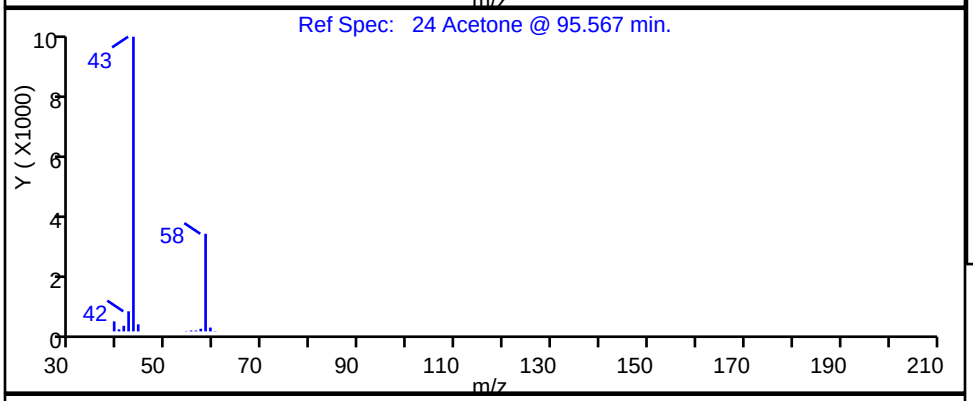
24 Acetone, CAS: 67-64-1

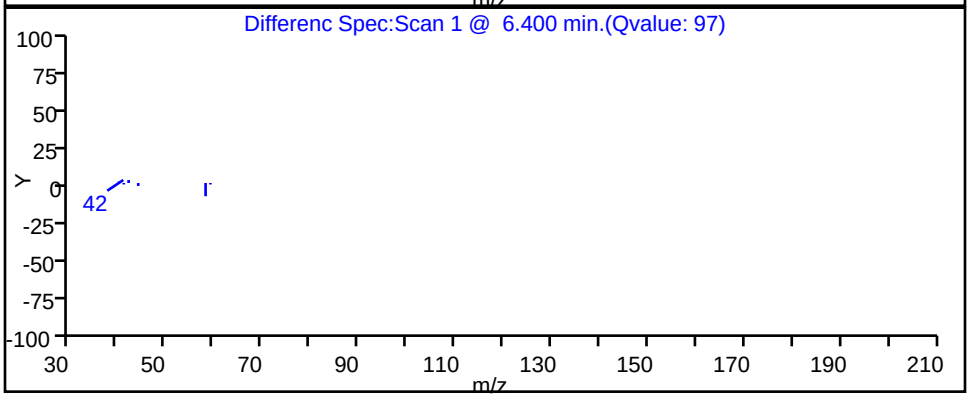








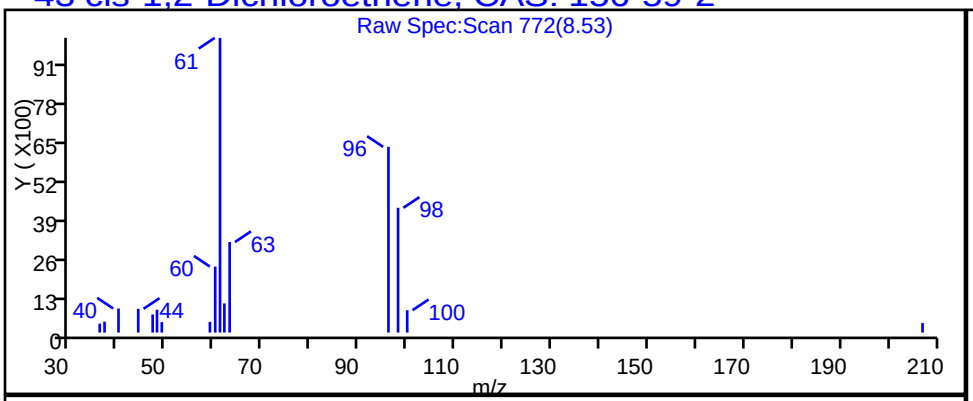


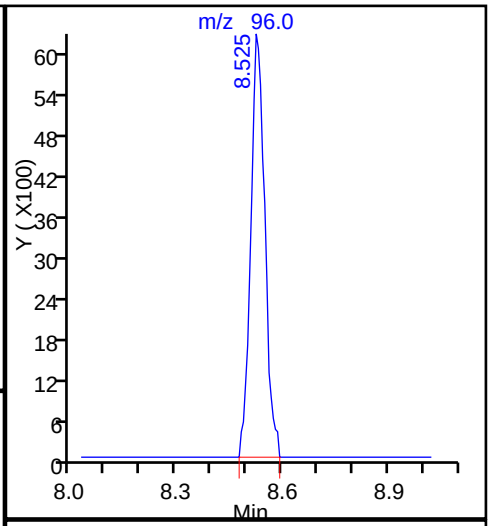


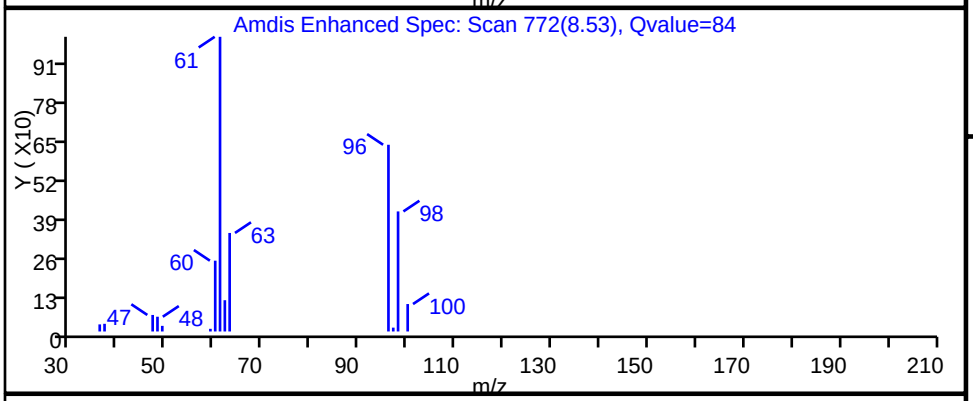
TestAmerica Buffalo

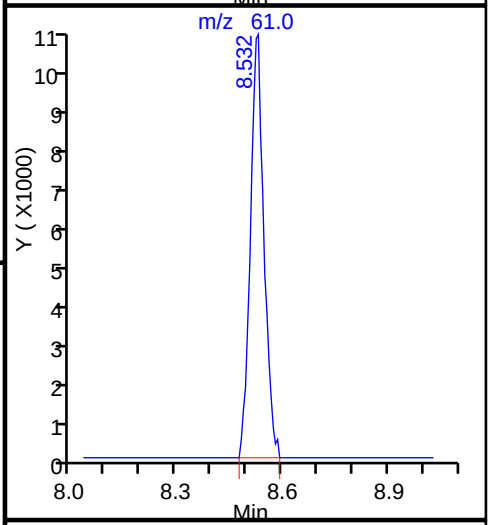
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2255.D				
Injection Date:	11-Dec-2015 05:05:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-8-A	Lab Sample ID:	480-92213-8		
Client ID:	B25-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

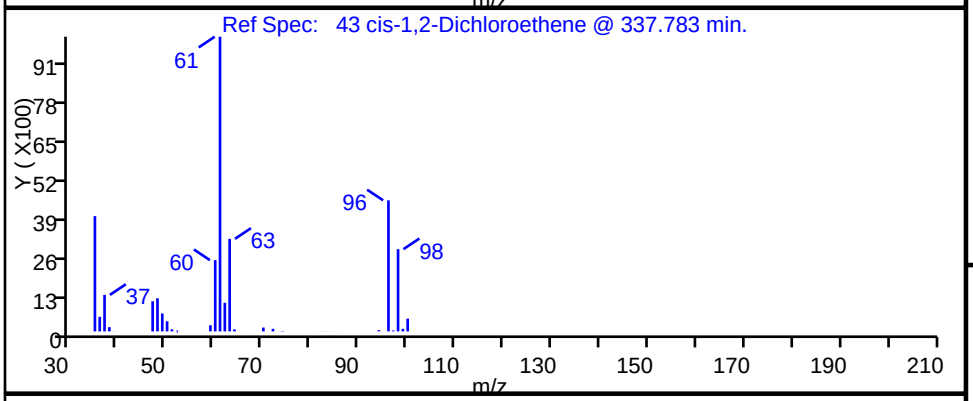
43 cis-1,2-Dichloroethene, CAS: 156-59-2

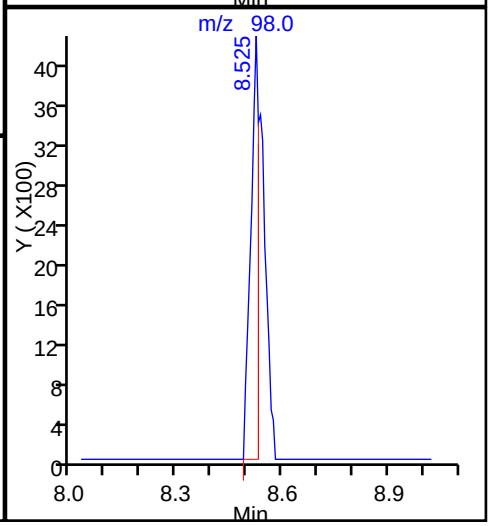


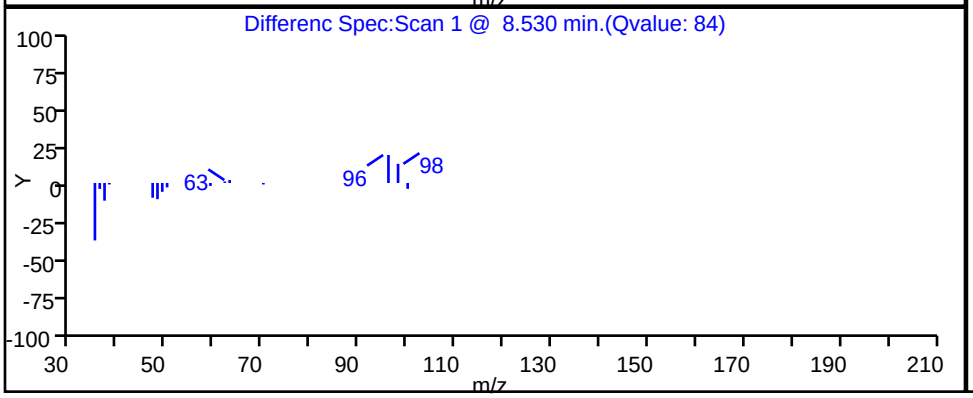








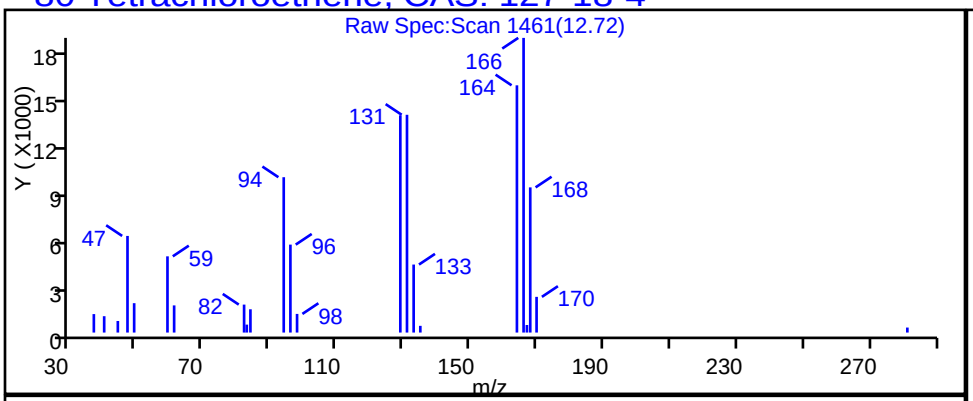


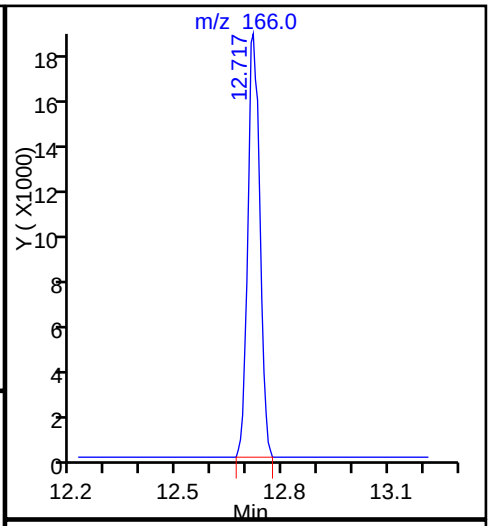


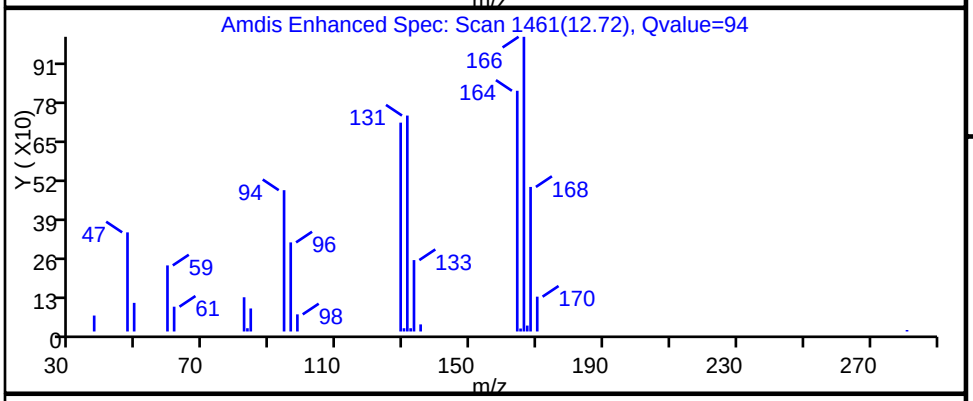
TestAmerica Buffalo

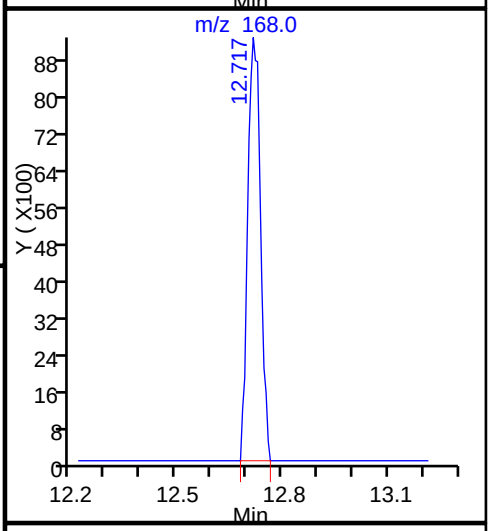
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2255.D				
Injection Date:	11-Dec-2015 05:05:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-8-A	Lab Sample ID:	480-92213-8		
Client ID:	B25-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

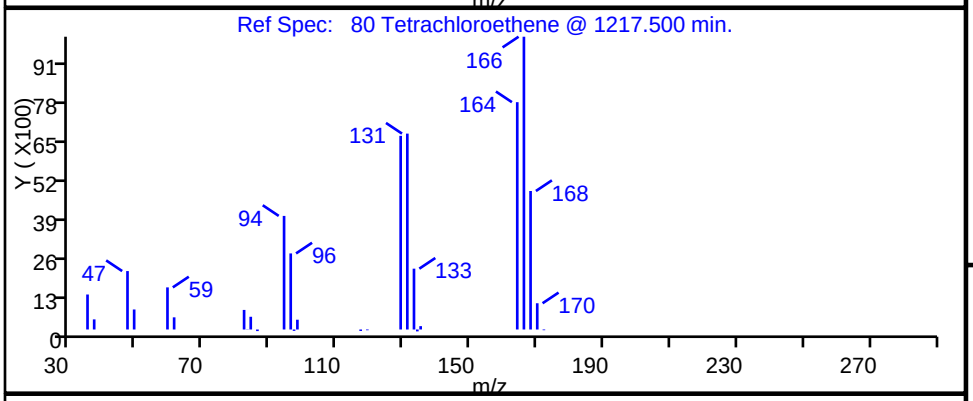
80 Tetrachloroethene, CAS: 127-18-4

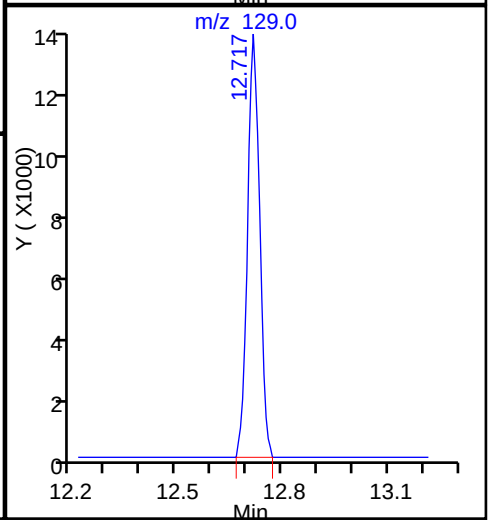


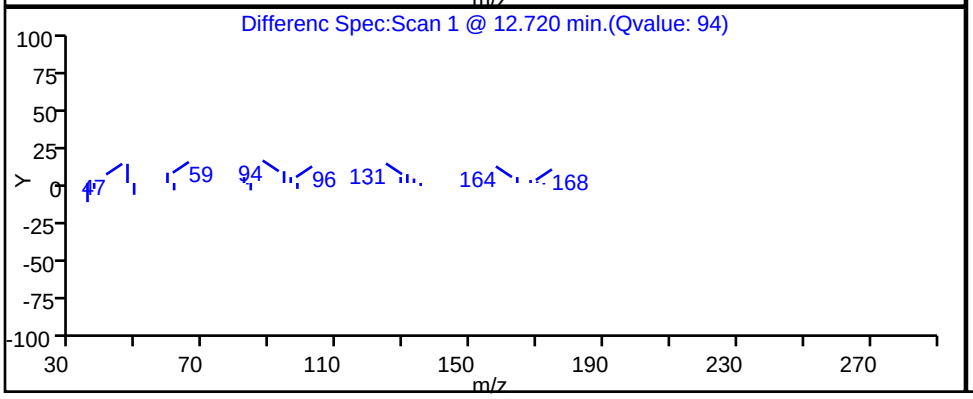








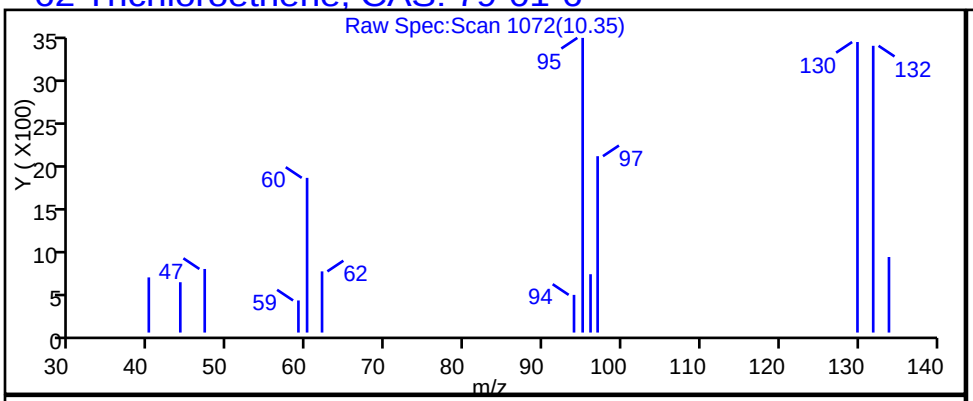


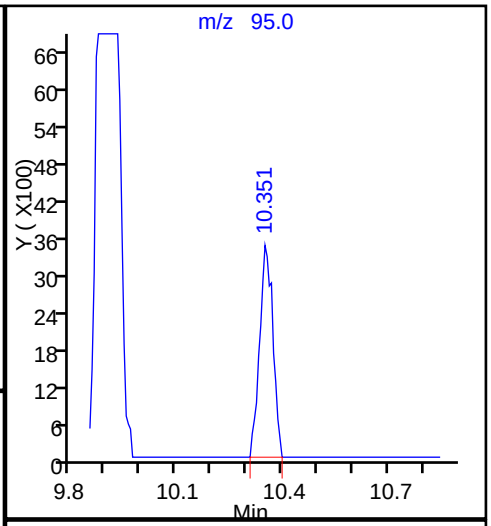


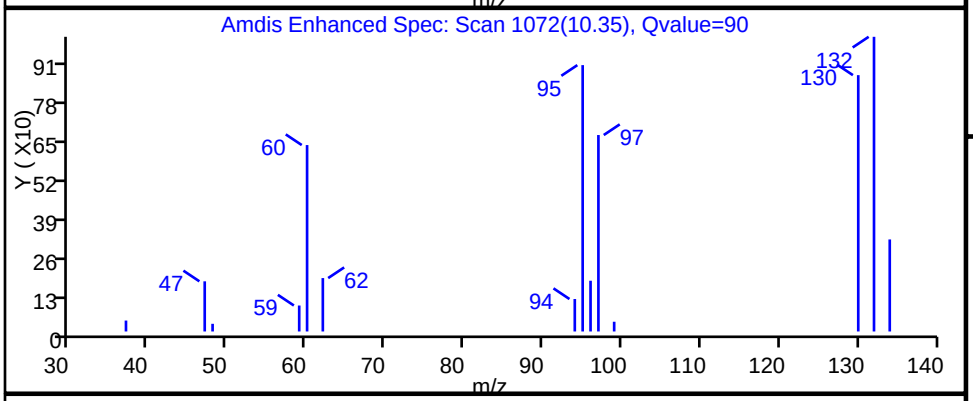
TestAmerica Buffalo

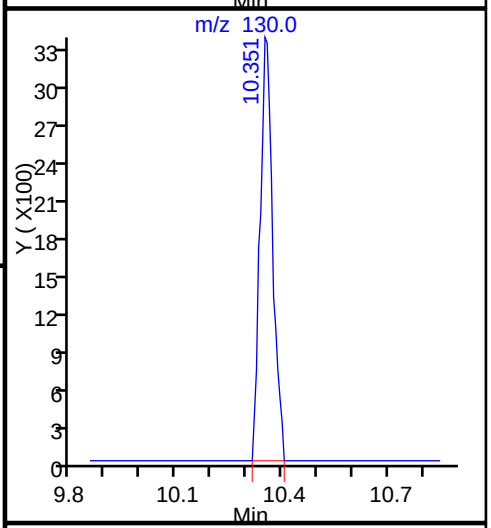
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2255.D				
Injection Date:	11-Dec-2015 05:05:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-8-A	Lab Sample ID:	480-92213-8		
Client ID:	B25-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

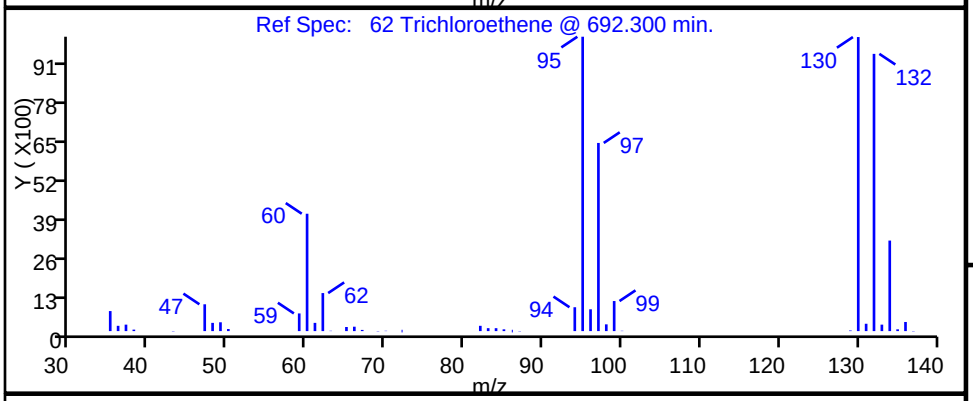
62 Trichloroethene, CAS: 79-01-6

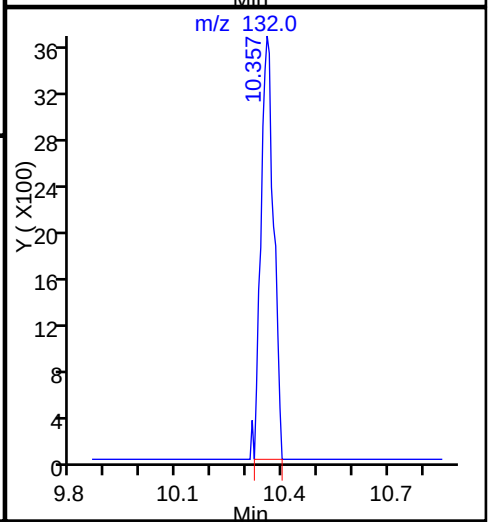


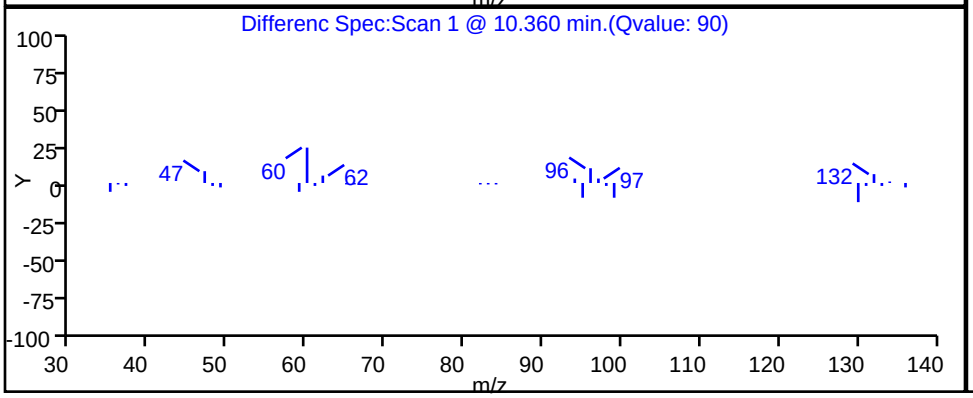












Manual Integration/User Assign Peak Report

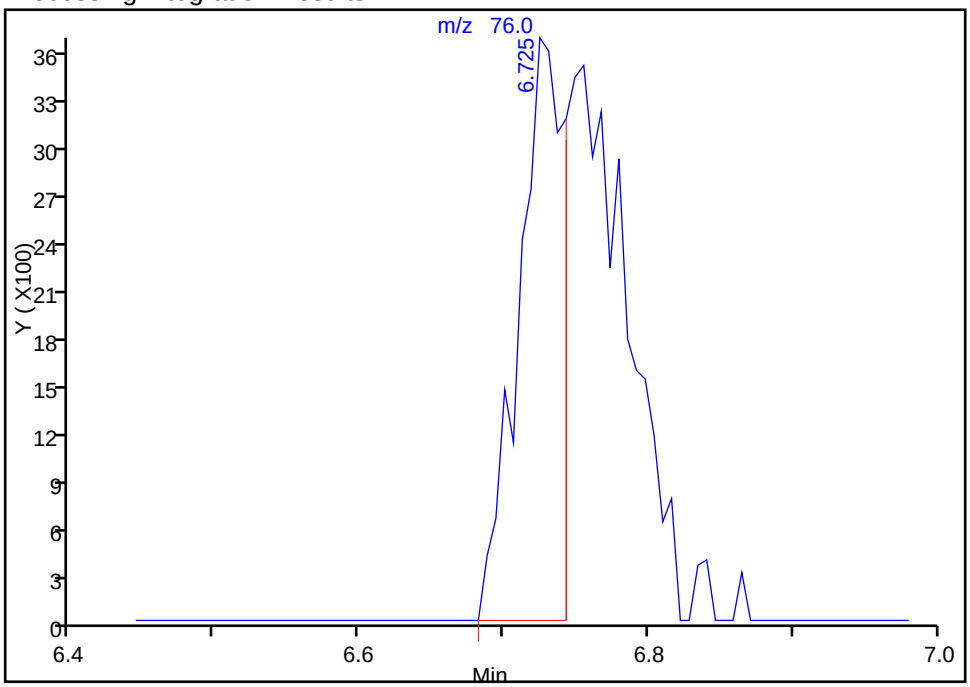
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2255.D				
Injection Date:	11-Dec-2015 05:05:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-8-A	Lab Sample ID:	480-92213-8		
Client ID:	B25-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

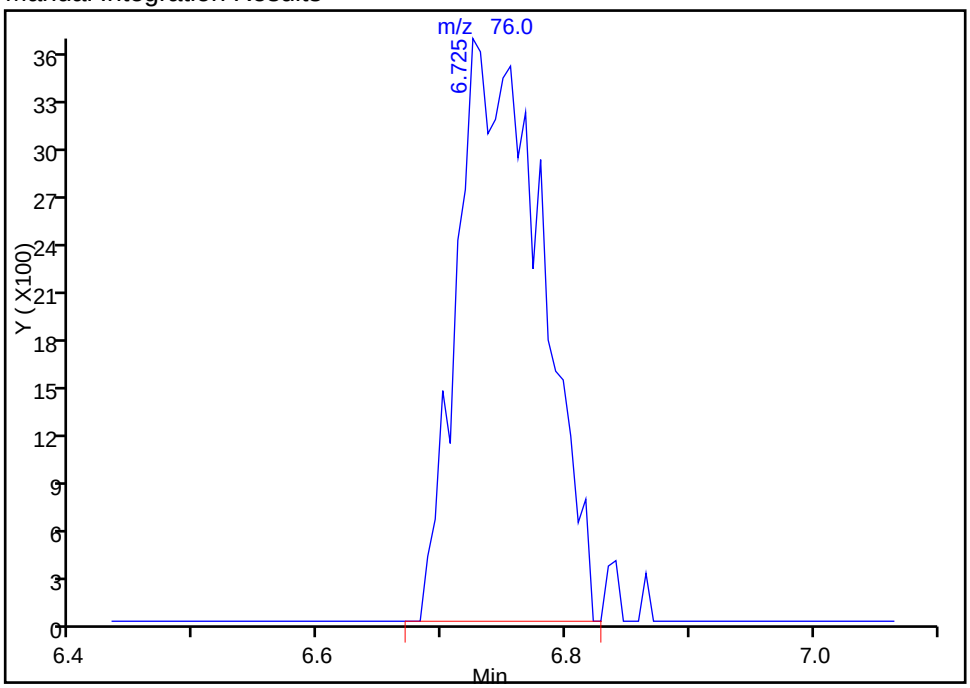
Processing Integration Results

RT: 6.72
Area: 8081
Amount: 0.304719
Amount Units: ug/L



Manual Integration Results

RT: 6.72
Area: 17381
Amount: 0.655405
Amount Units: ug/L



Reviewer: cwiklinc, 11-Dec-2015 11:27:22
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B6-AREA2-S1 | Lab Sample ID: 480-92213-9

Matrix: Solid | Lab File ID: P2301.D

Analysis Method: 8260C | Date Collected: 12/03/2015 11:10

Sample wt/vol: 5.11(g) | Date Analyzed: 12/12/2015 13:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.41
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.6
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.6
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	1.5	J	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
98-82-8	Isopropylbenzene	ND	*	5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B6-AREA2-S1 | Lab Sample ID: 480-92213-9

Matrix: Solid | Lab File ID: P2301.D

Analysis Method: 8260C | Date Collected: 12/03/2015 11:10

Sample wt/vol: 5.11(g) | Date Analyzed: 12/12/2015 13:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	ND		5.3	2.4
100-42-5	Styrene	ND		5.3	0.26
127-18-4	Tetrachloroethene	8.7		5.3	0.71
108-88-3	Toluene	0.51	J	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		64-126
460-00-4	4-Bromofluorobenzene (Surr)	50	X	72-126
2037-26-5	Toluene-d8 (Surr)	125		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2301.D
Lims ID: 480-92213-A-9-C Lab Sample ID: 480-92213-9
Client ID: B6-AREA2-S1
Sample Type: Client
Inject. Date: 12-Dec-2015 13:41:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-9-C
Misc. Info.: 480-0049177-015
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 08:46:46 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: cwiklinc Date: 14-Dec-2015 08:46:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	246953	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.836	0.007	89	332288	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	121626	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	210898	55.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	908049	62.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	89	127550	25.2	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	98	9993	3.53	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.767	6.774	-0.007	62	7854	0.3077	
31 Methylene Chloride	84	6.986	6.980	0.006	95	25574	1.12	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	80	10624	1.41	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.363	10.351	0.012	92	6740	0.9140	
64 Methylcyclohexane	83		10.582				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	96	5645	0.4783	
78 trans-1,3-Dichloropropene	75		12.231				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	93	37334	8.24	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

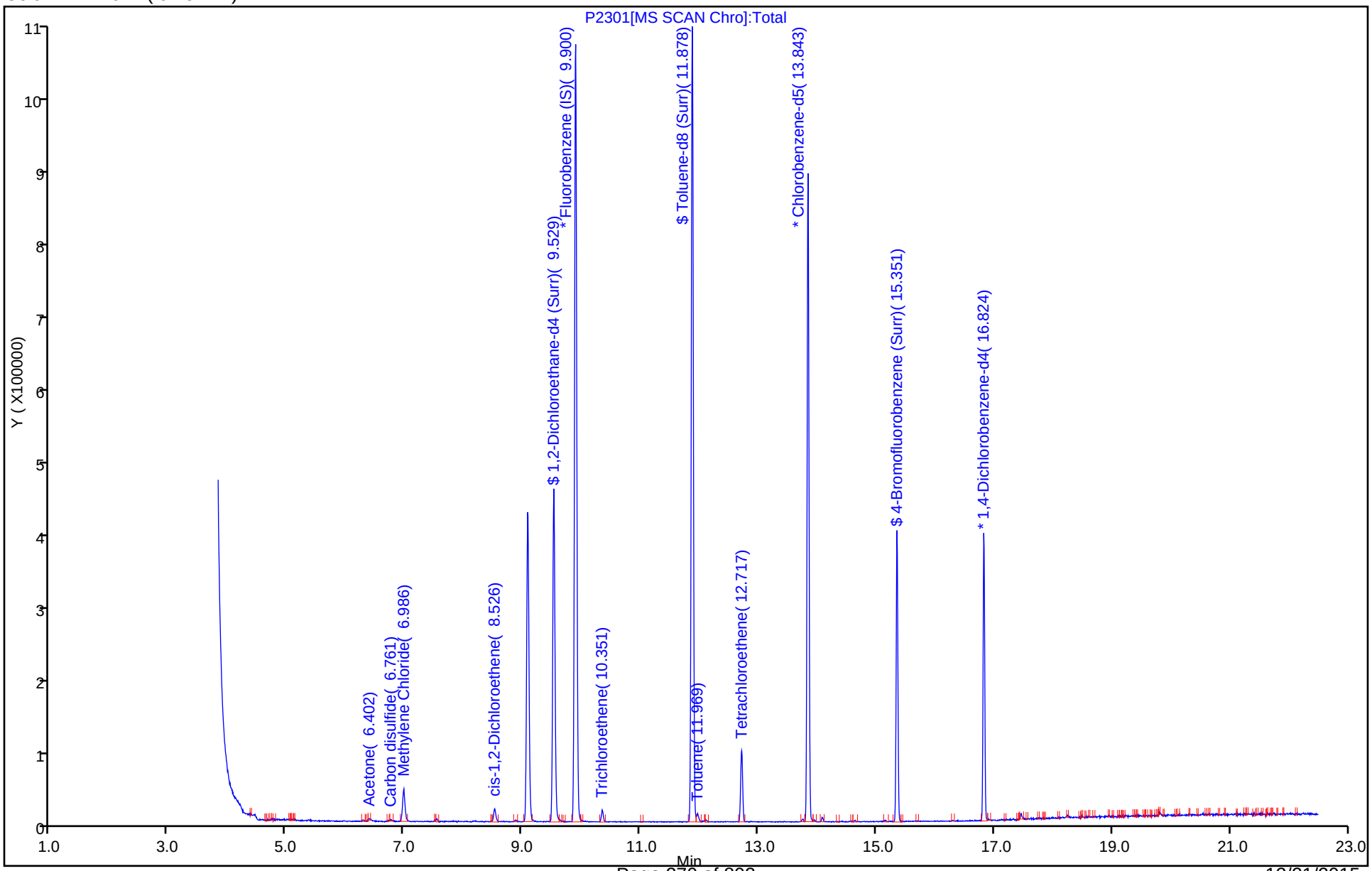
Report Date: 14-Dec-2015 08:46:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2301.D

Injection Date:	12-Dec-2015 13:41:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-9-C	Lab Sample ID:	480-92213-9	Worklist Smp#:	15
Client ID:	B6-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

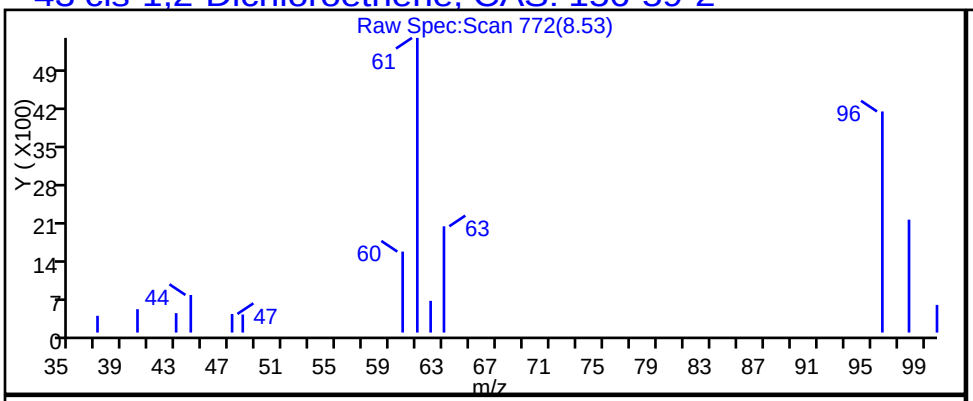


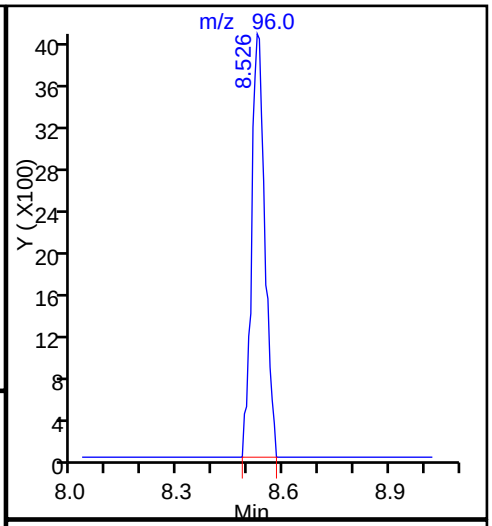
TestAmerica Buffalo

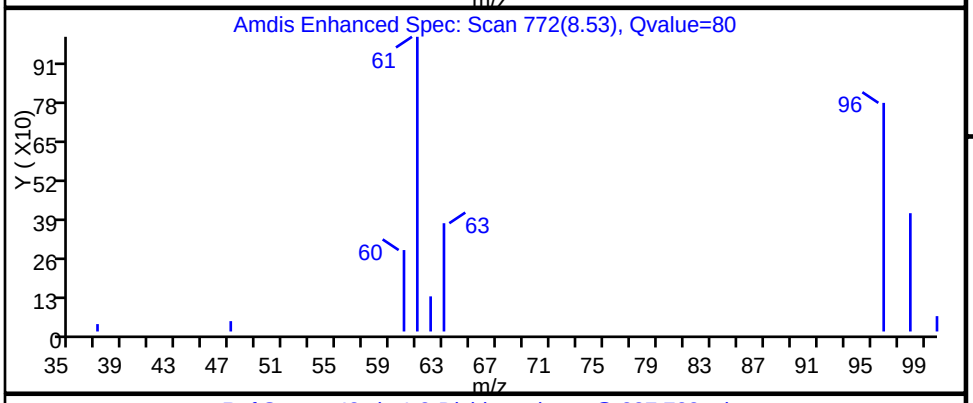
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2301.D

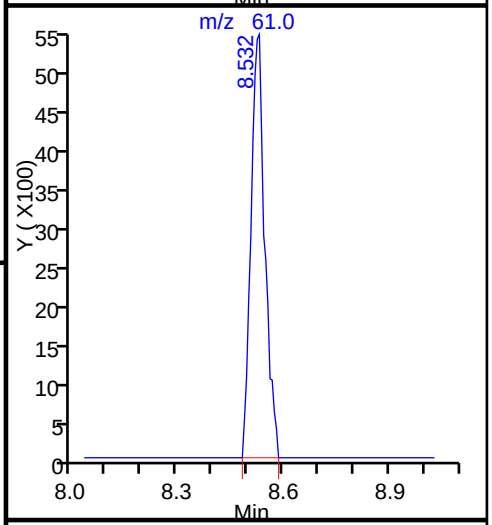
Injection Date:	12-Dec-2015 13:41:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-9-C	Lab Sample ID:	480-92213-9		
Client ID:	B6-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

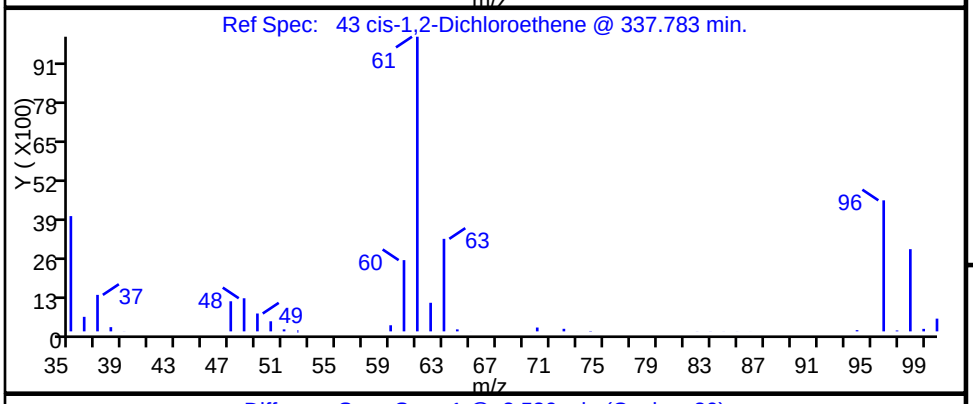
43 cis-1,2-Dichloroethene, CAS: 156-59-2

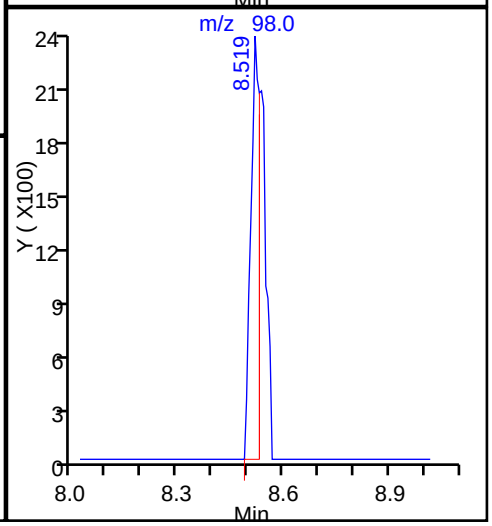


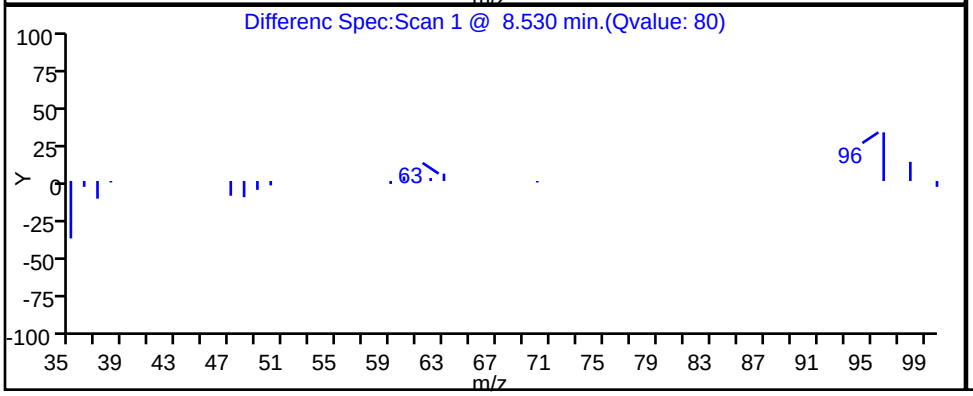








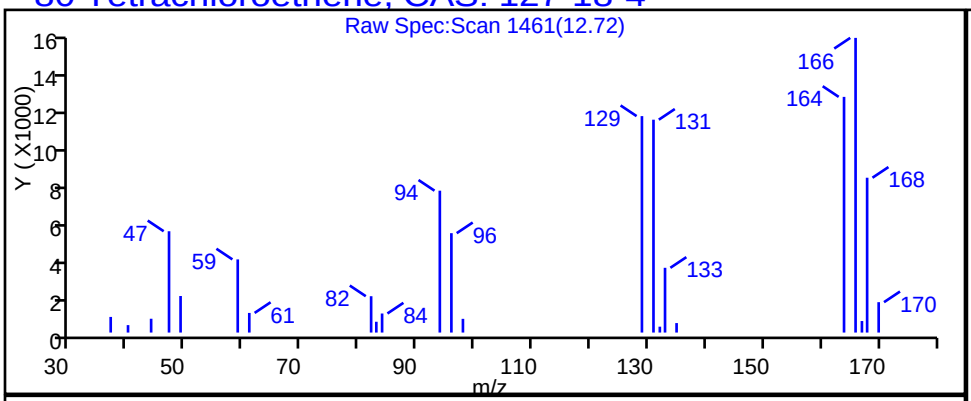


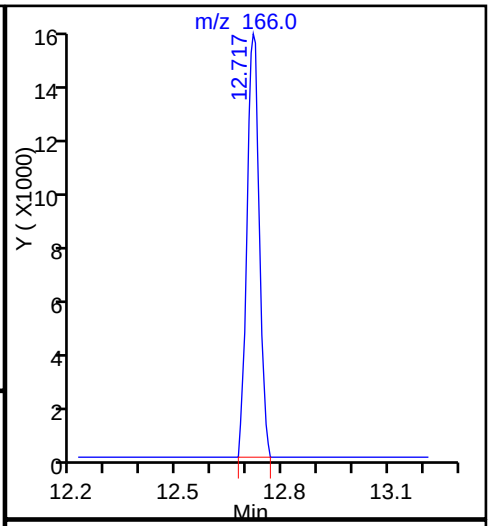


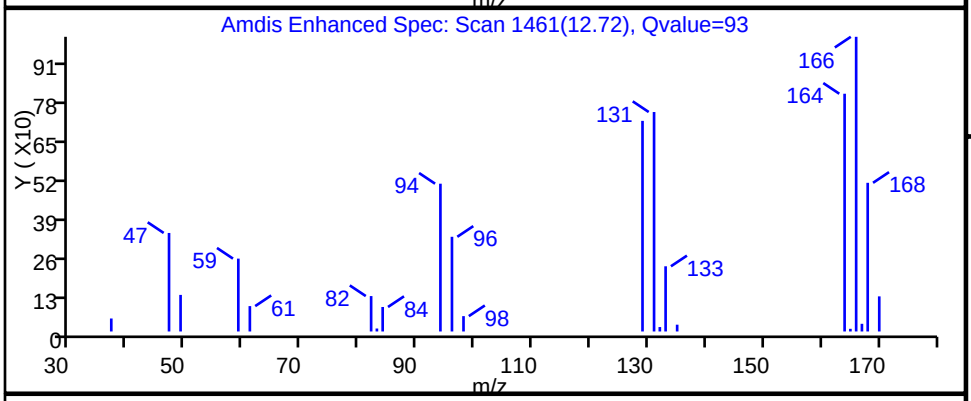
TestAmerica Buffalo

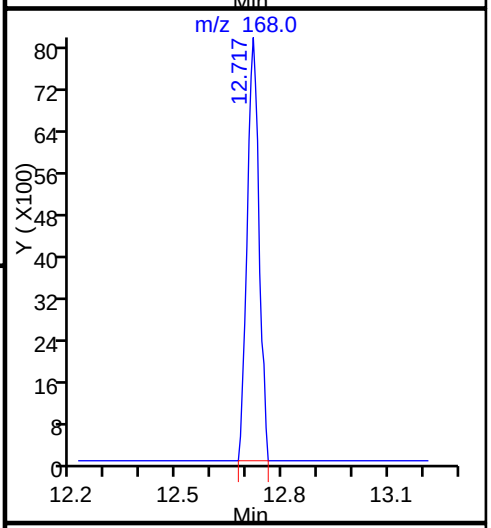
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2301.D				
Injection Date:	12-Dec-2015 13:41:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-9-C	Lab Sample ID:	480-92213-9		
Client ID:	B6-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

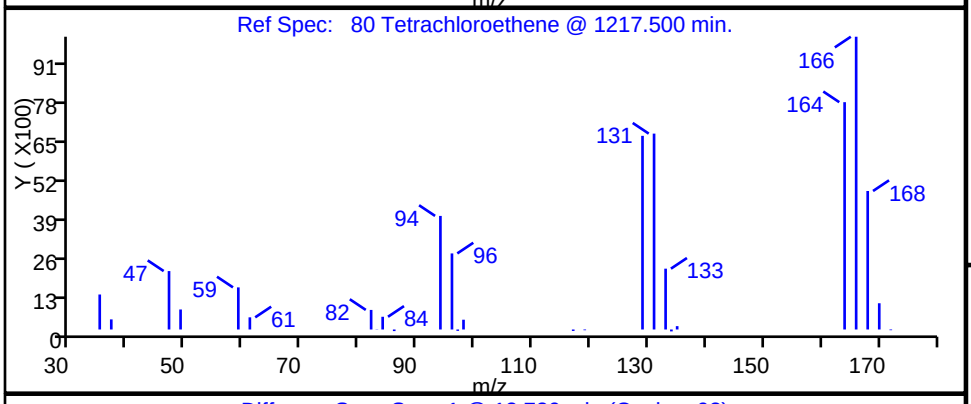
80 Tetrachloroethene, CAS: 127-18-4

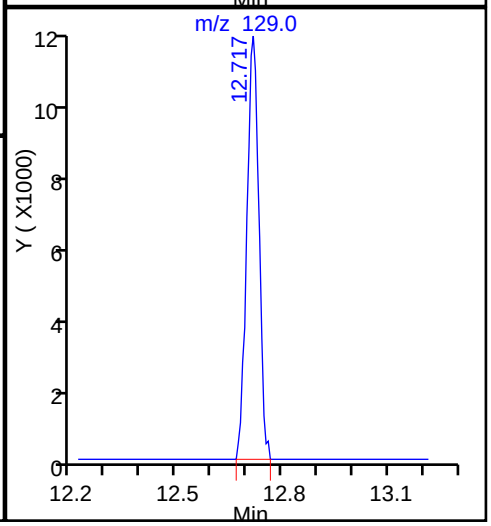


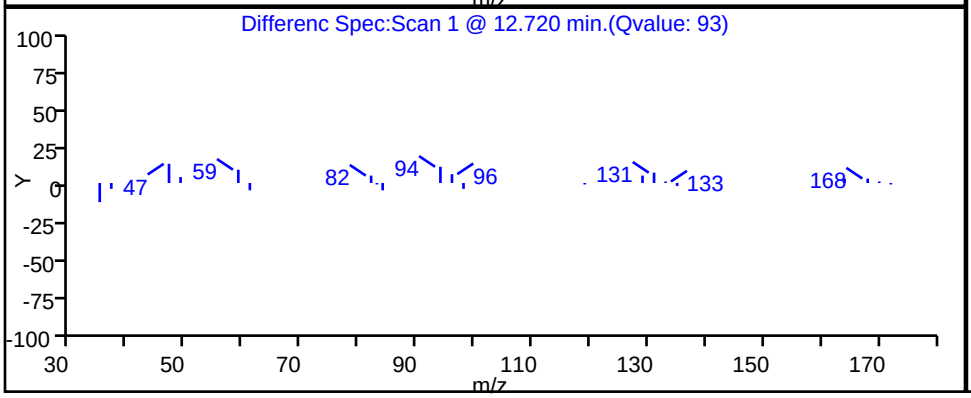










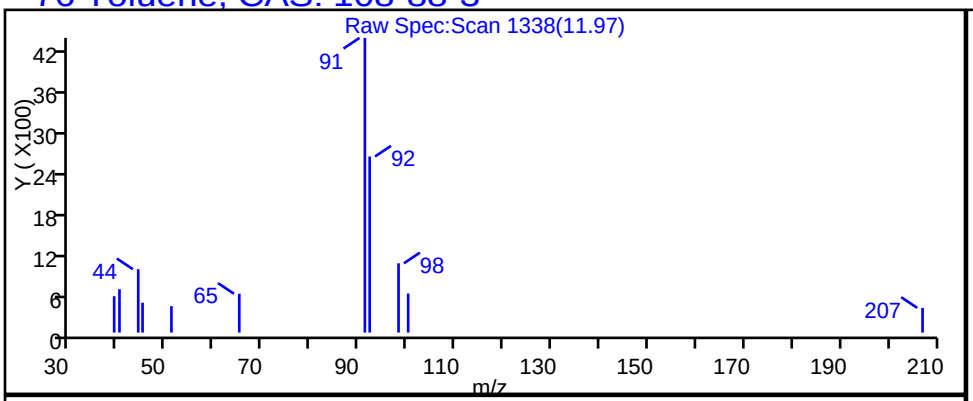


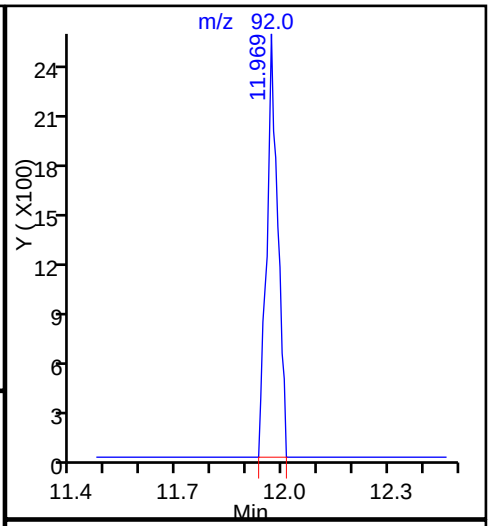
TestAmerica Buffalo

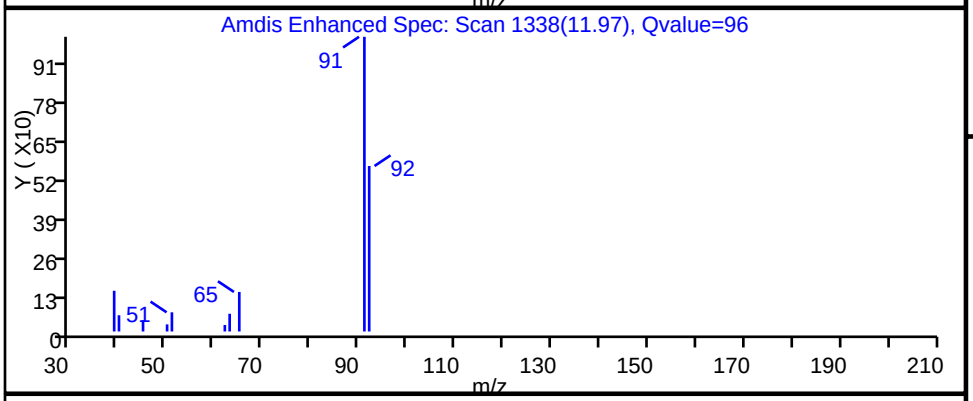
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2301.D

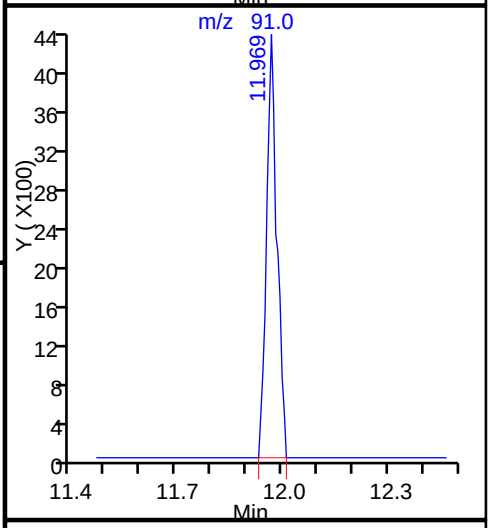
Injection Date:	12-Dec-2015 13:41:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-9-C	Lab Sample ID:	480-92213-9		
Client ID:	B6-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

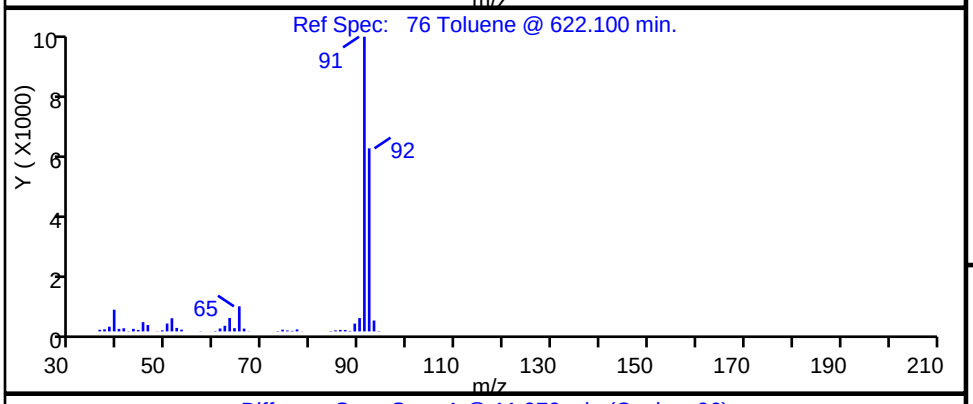
76 Toluene, CAS: 108-88-3

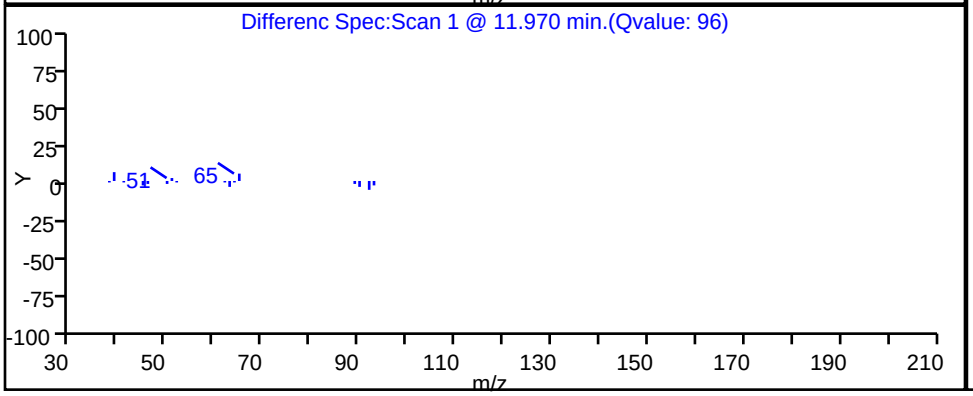


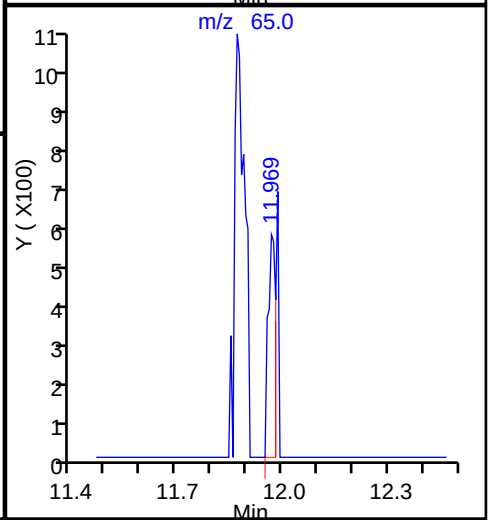












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B6-AREA2-S2 | Lab Sample ID: 480-92213-10

Matrix: Solid | Lab File ID: P2302.D

Analysis Method: 8260C | Date Collected: 12/03/2015 11:50

Sample wt/vol: 5.01(g) | Date Analyzed: 12/12/2015 14:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.6 | Level: (low/med) Low

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.4	0.47
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	6.4	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.5
79-00-5	1,1,2-Trichloroethane	ND	*	6.4	0.84
75-34-3	1,1-Dichloroethane	ND		6.4	0.79
75-35-4	1,1-Dichloroethene	ND		6.4	0.79
120-82-1	1,2,4-Trichlorobenzene	ND	*	6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	6.4	3.2
106-93-4	1,2-Dibromoethane	ND	*	6.4	0.83
95-50-1	1,2-Dichlorobenzene	ND	*	6.4	0.50
107-06-2	1,2-Dichloroethane	ND		6.4	0.32
78-87-5	1,2-Dichloropropane	ND		6.4	3.2
541-73-1	1,3-Dichlorobenzene	ND	*	6.4	0.33
106-46-7	1,4-Dichlorobenzene	ND	*	6.4	0.90
78-93-3	2-Butanone (MEK)	ND		32	2.4
591-78-6	2-Hexanone	ND	*	32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	32	2.1
67-64-1	Acetone	24	J	32	5.4
71-43-2	Benzene	ND		6.4	0.32
75-27-4	Bromodichloromethane	ND		6.4	0.86
75-25-2	Bromoform	ND	*	6.4	3.2
74-83-9	Bromomethane	ND		6.4	0.58
75-15-0	Carbon disulfide	ND		6.4	3.2
56-23-5	Carbon tetrachloride	ND		6.4	0.62
108-90-7	Chlorobenzene	ND	*	6.4	0.85
75-00-3	Chloroethane	ND		6.4	1.5
67-66-3	Chloroform	ND		6.4	0.40
74-87-3	Chloromethane	ND		6.4	0.39
156-59-2	cis-1,2-Dichloroethene	ND		6.4	0.83
10061-01-5	cis-1,3-Dichloropropene	ND		6.4	0.93
110-82-7	Cyclohexane	ND		6.4	0.90
124-48-1	Dibromochloromethane	ND	*	6.4	0.83
75-71-8	Dichlorodifluoromethane	ND		6.4	0.53
100-41-4	Ethylbenzene	ND	*	6.4	0.44
98-82-8	Isopropylbenzene	ND	*	6.4	0.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B6-AREA2-S2 | Lab Sample ID: 480-92213-10

Matrix: Solid | Lab File ID: P2302.D

Analysis Method: 8260C | Date Collected: 12/03/2015 11:50

Sample wt/vol: 5.01(g) | Date Analyzed: 12/12/2015 14:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.6 | Level: (low/med) Low

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.4	3.9
1634-04-4	Methyl tert-butyl ether	ND		6.4	0.63
108-87-2	Methylcyclohexane	ND		6.4	0.98
75-09-2	Methylene Chloride	5.6	J	6.4	3.0
100-42-5	Styrene	ND	*	6.4	0.32
127-18-4	Tetrachloroethene	9.7	*	6.4	0.87
108-88-3	Toluene	0.60	J *	6.4	0.49
156-60-5	trans-1,2-Dichloroethene	ND		6.4	0.67
10061-02-6	trans-1,3-Dichloropropene	ND	*	6.4	2.8
79-01-6	Trichloroethene	ND		6.4	1.4
75-69-4	Trichlorofluoromethane	ND		6.4	0.61
75-01-4	Vinyl chloride	ND		6.4	0.79
1330-20-7	Xylenes, Total	ND		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		64-126
460-00-4	4-Bromofluorobenzene (Surr)	47	* X	72-126
2037-26-5	Toluene-d8 (Surr)	138	* X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D
Lims ID: 480-92213-A-10-C Lab Sample ID: 480-92213-10
Client ID: B6-AREA2-S2
Sample Type: Client
Inject. Date: 12-Dec-2015 14:08:30 ALS Bottle#: 9 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-10-C
Misc. Info.: 480-0049177-016
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 08:47:41 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: cwiklinc Date: 14-Dec-2015 08:47:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	203426	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.836	0.006	90	220990	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	96	73564	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	174523	55.5	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	665366	68.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	78515	23.3	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	98	43549	18.7	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.761	6.761	-0.013	99	17917	0.8521	M
31 Methylene Chloride	84	6.992	6.980	0.012	93	39231	4.34	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96		8.526				ND	
49 Chloroform	83	8.884	8.878	0.006	90	3317	0.3028	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.350	10.350	-0.001	89	4843	0.7973	M
64 Methylcyclohexane	83		10.582				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.975	0.006	97	3638	0.4635	M
78 trans-1,3-Dichloropropene	75		12.231				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	94	22785	7.56	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

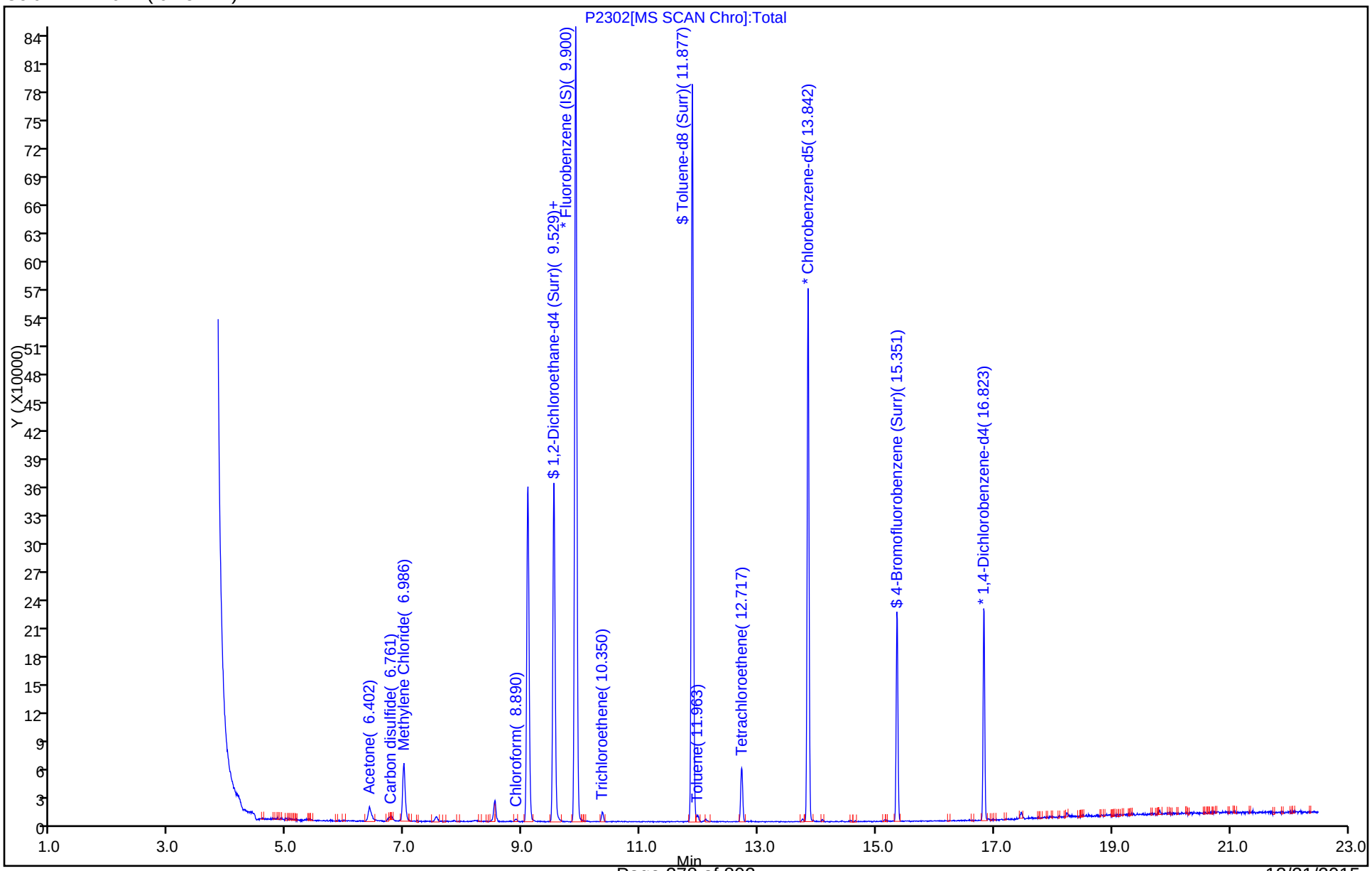
Report Date: 14-Dec-2015 08:47:42 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D

Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10	Worklist Smp#:	16
Client ID:	B6-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

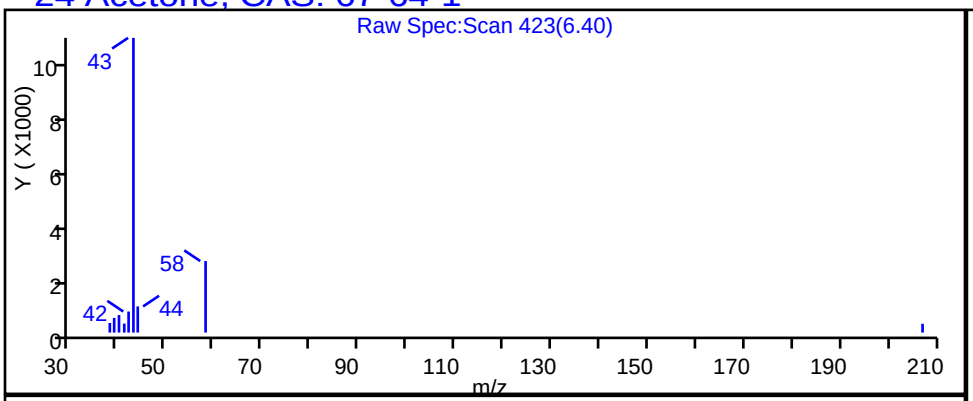
Column: ZB-624 (0.25 mm)

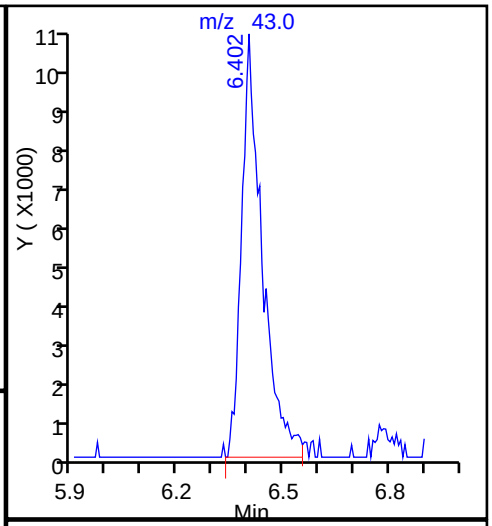


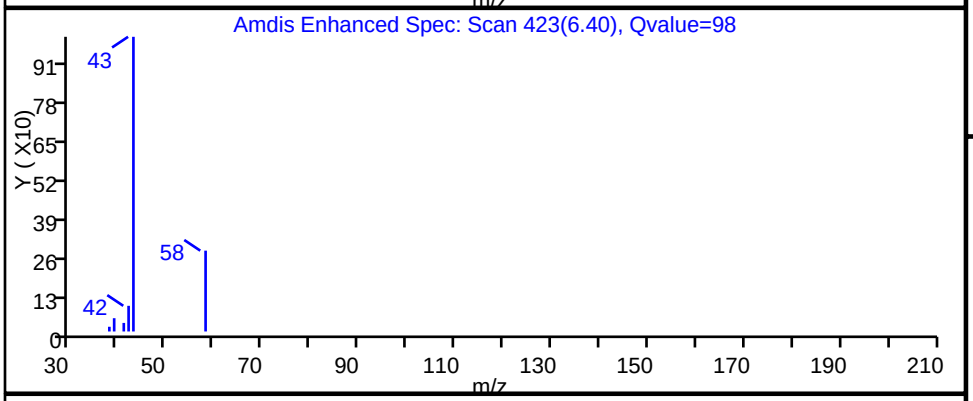
TestAmerica Buffalo

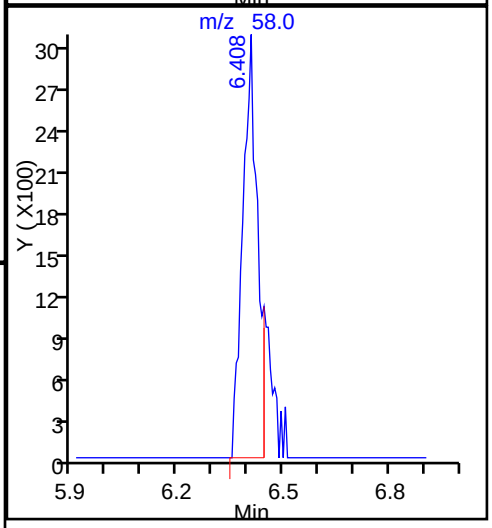
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D				
Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10		
Client ID:	B6-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

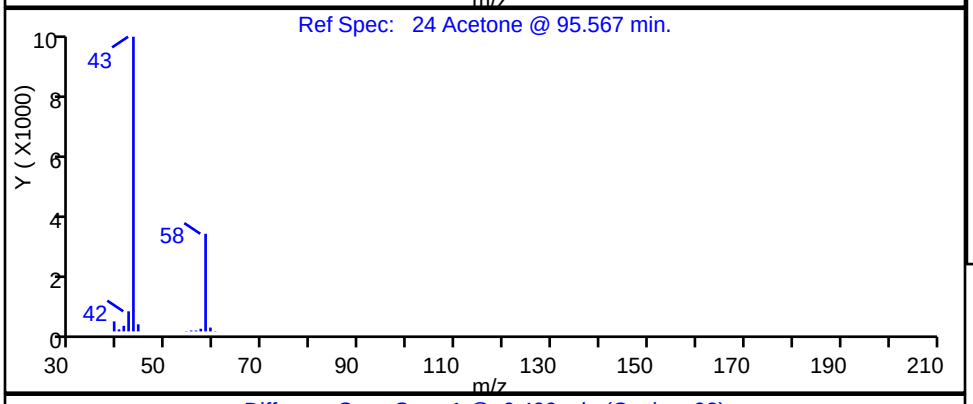
24 Acetone, CAS: 67-64-1

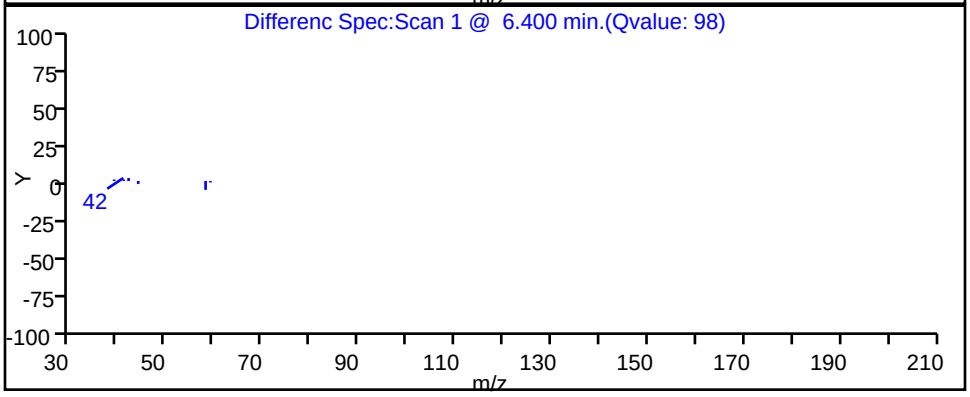










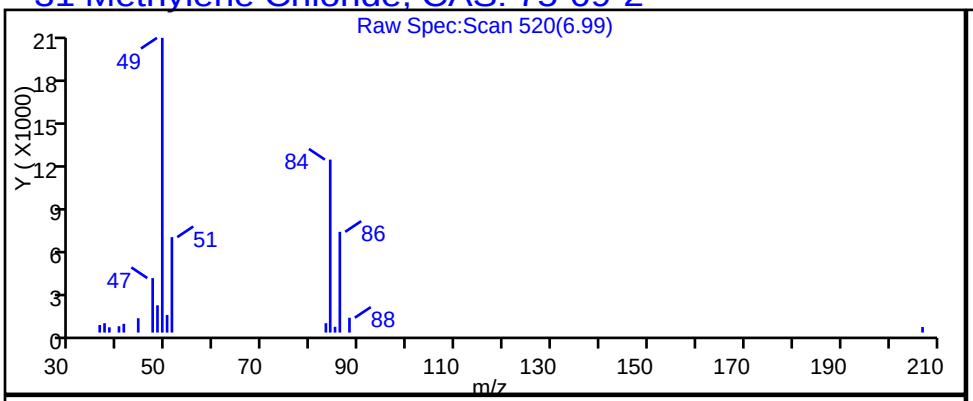


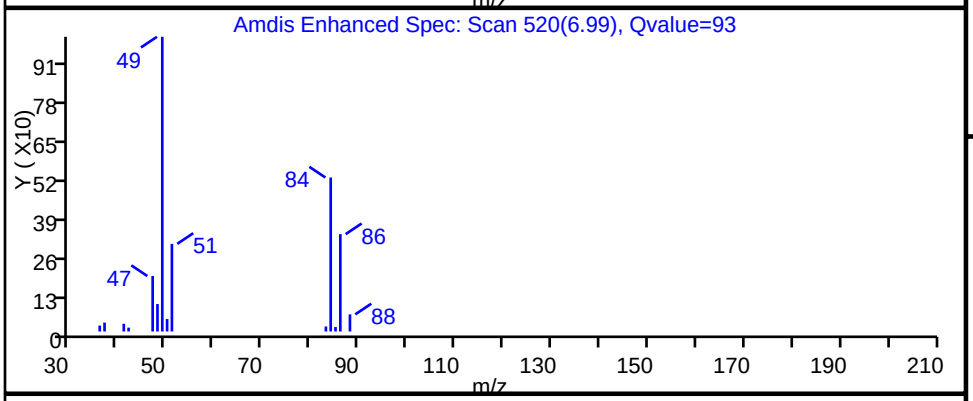
TestAmerica Buffalo

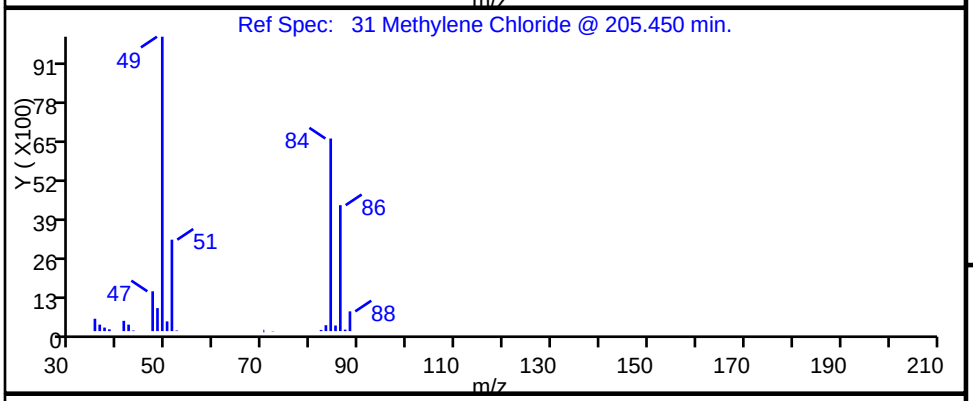
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D

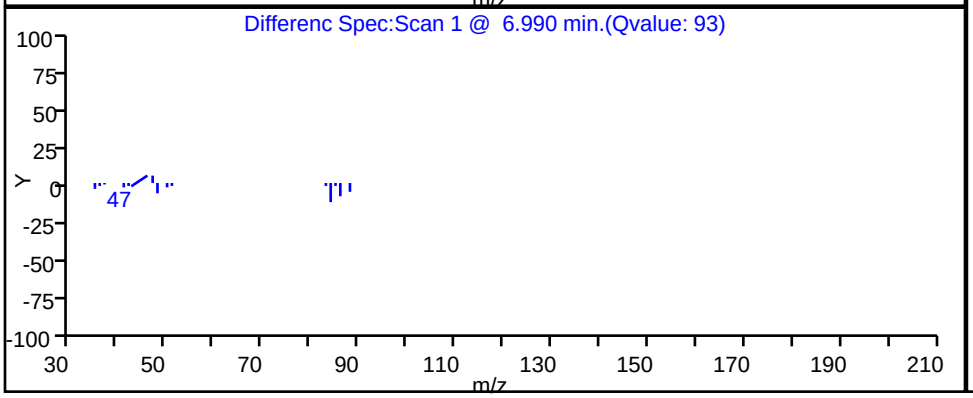
Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10		
Client ID:	B6-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

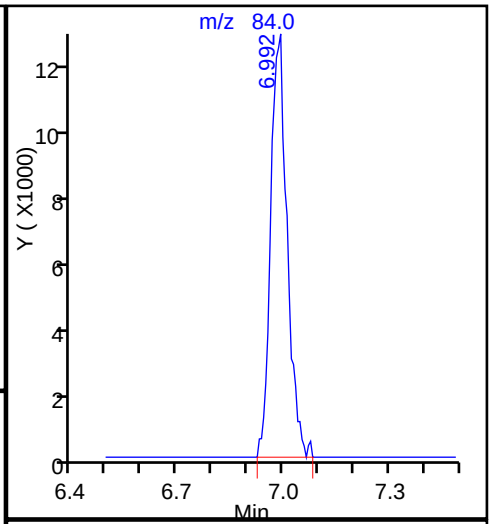
31 Methylene Chloride, CAS: 75-09-2

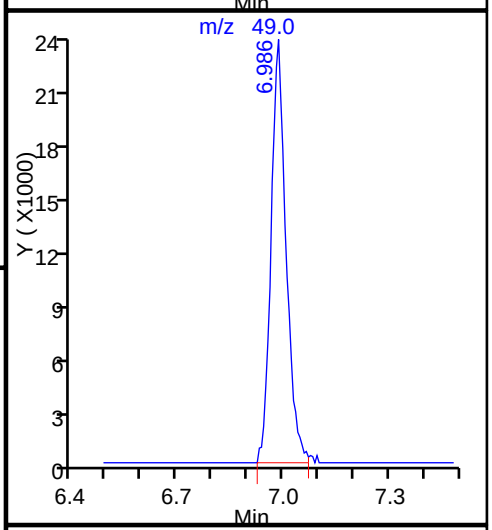


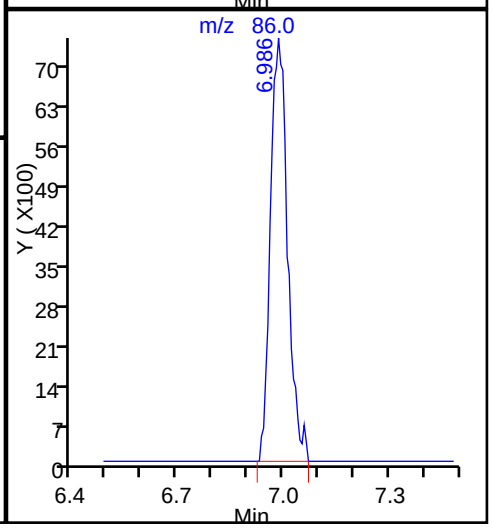










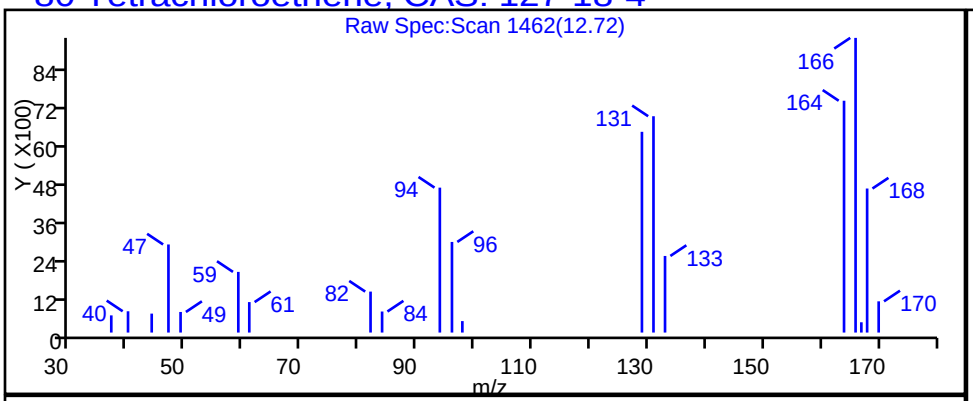


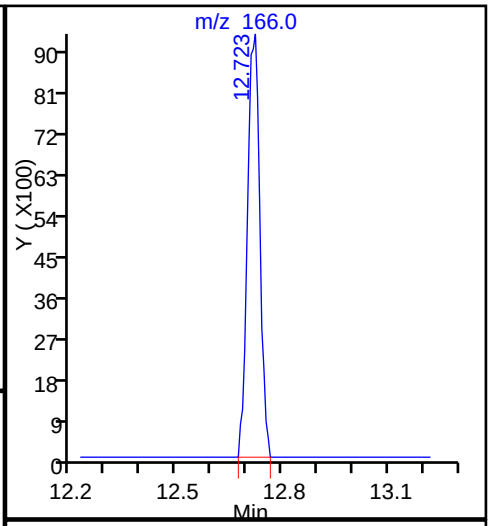
TestAmerica Buffalo

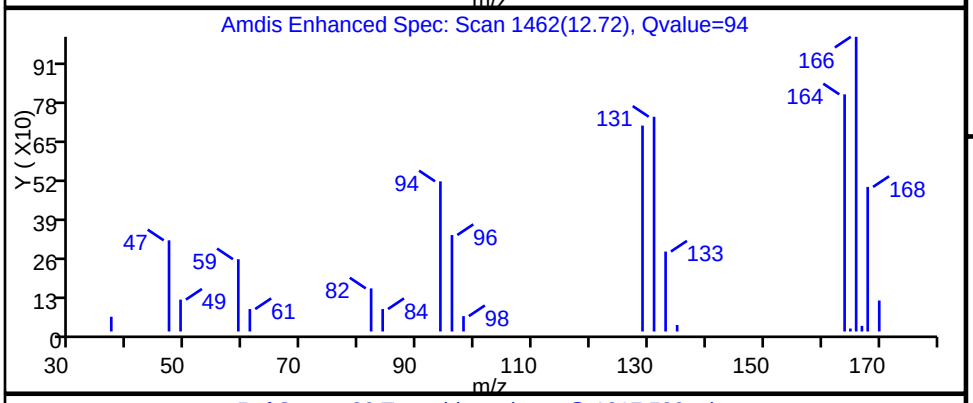
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D

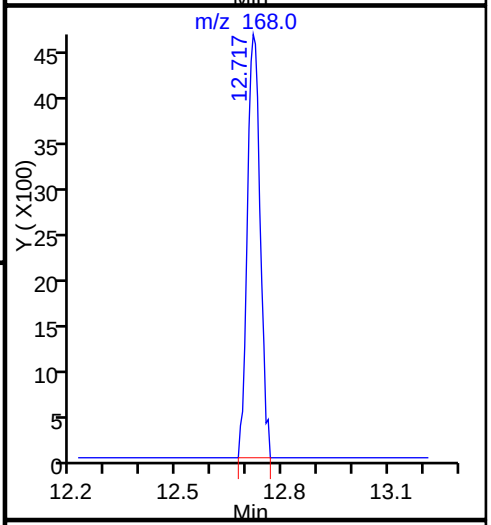
Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10		
Client ID:	B6-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

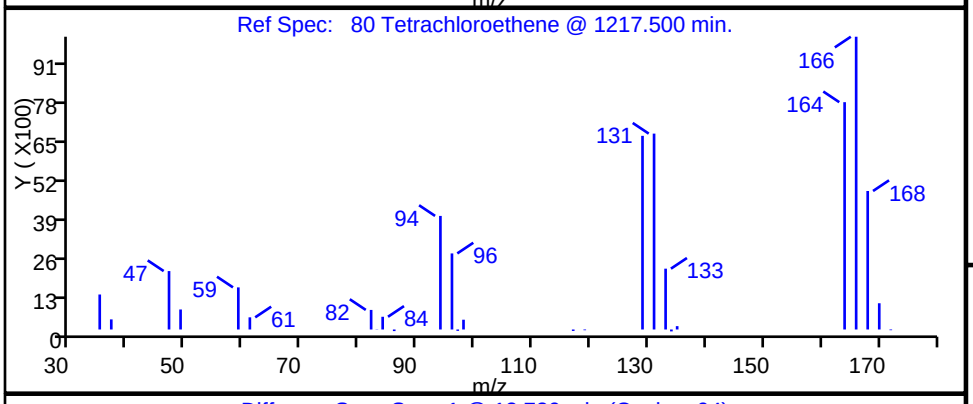
80 Tetrachloroethene, CAS: 127-18-4

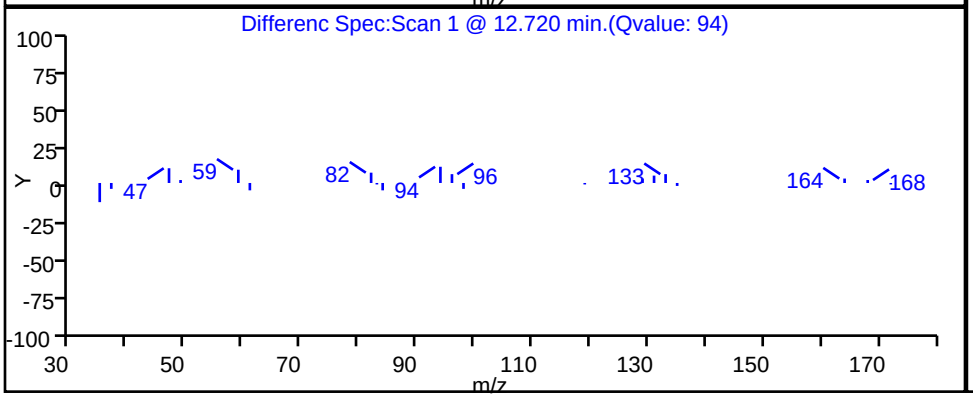


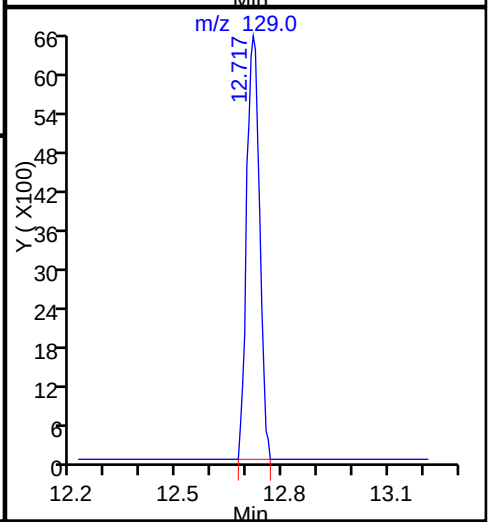








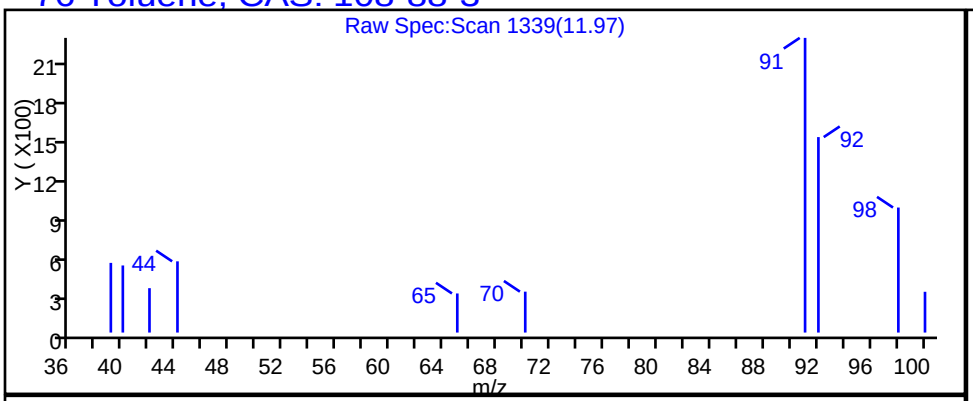


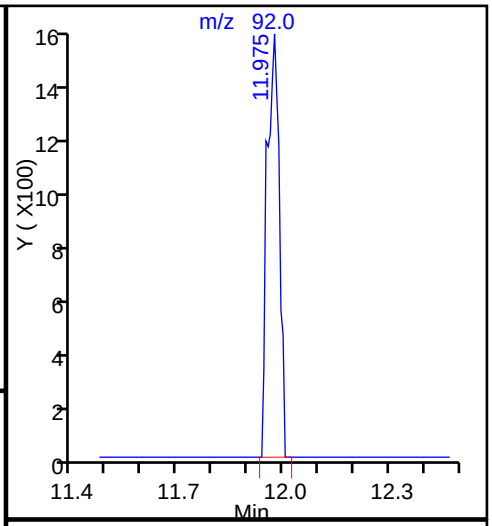


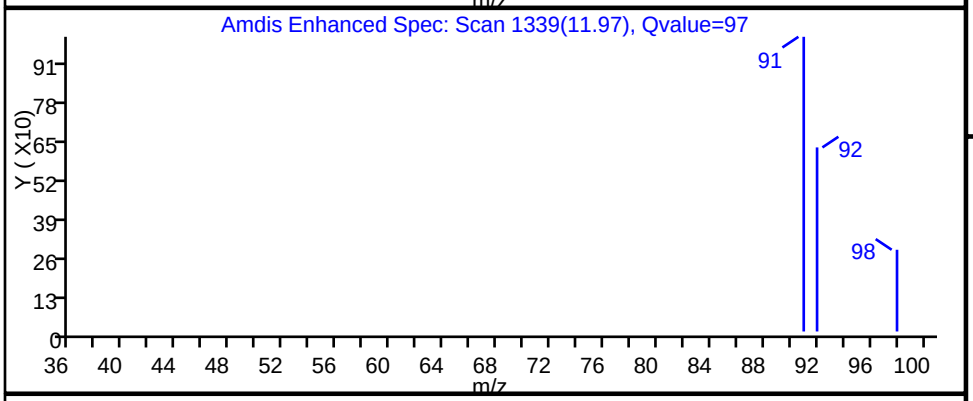
TestAmerica Buffalo

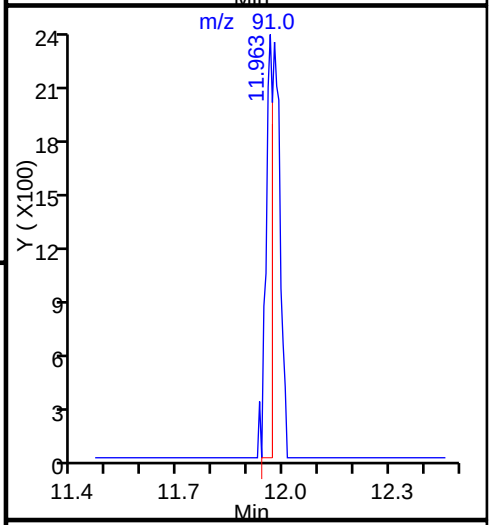
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D				
Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10		
Client ID:	B6-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

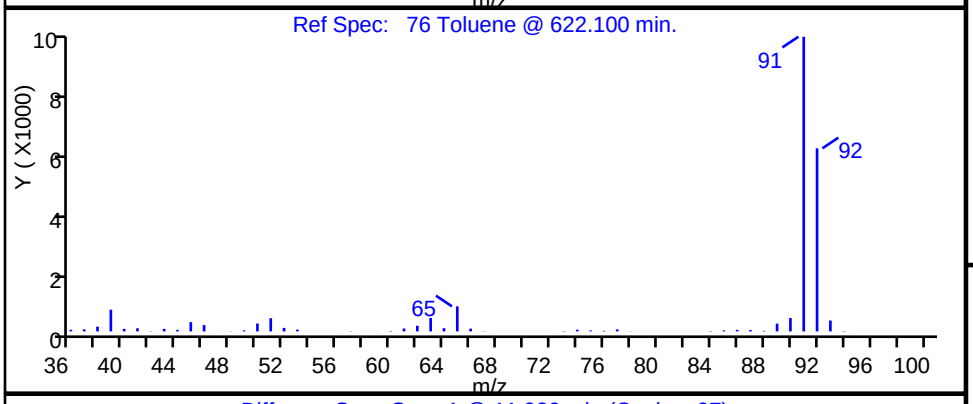
76 Toluene, CAS: 108-88-3

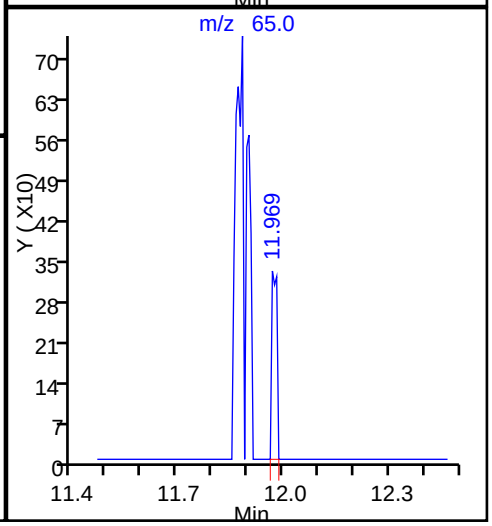


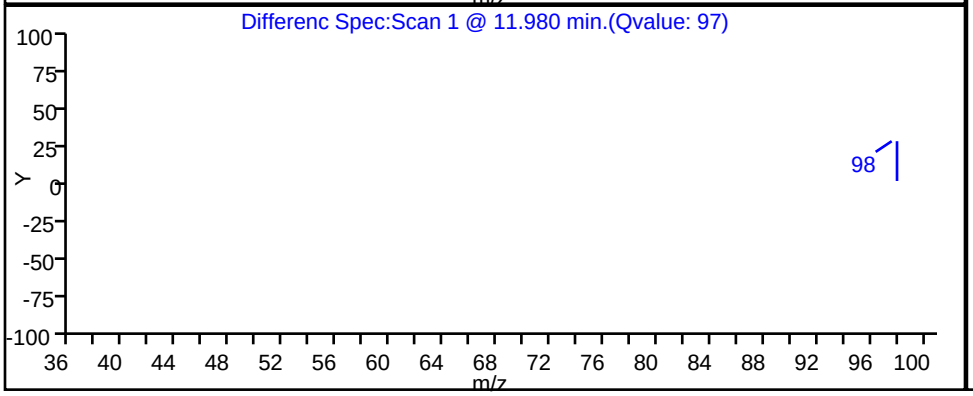












Manual Integration/User Assign Peak Report

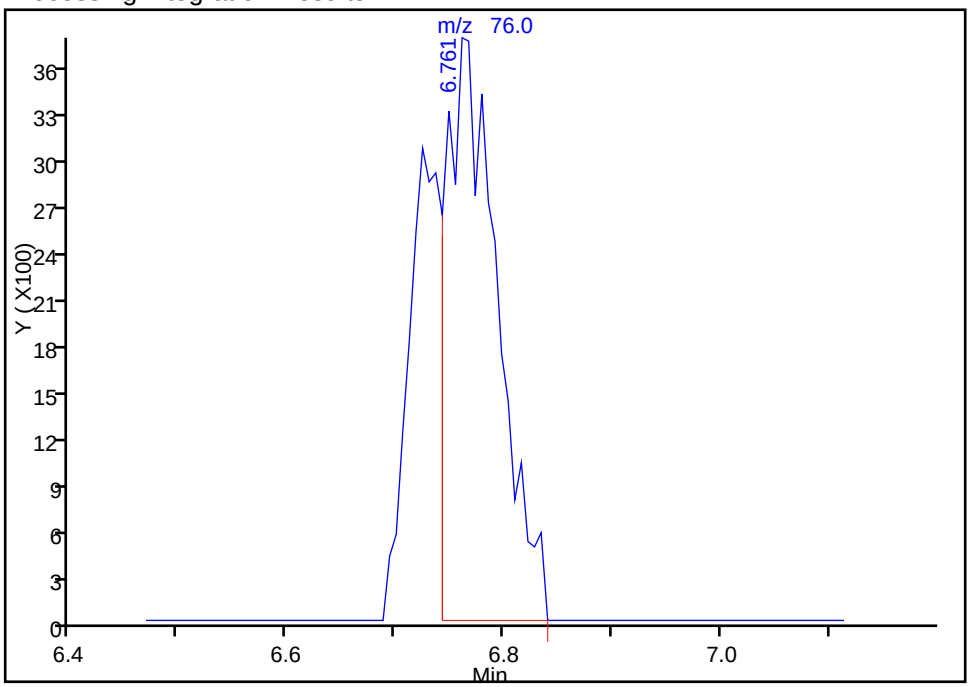
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D				
Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10		
Client ID:	B6-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

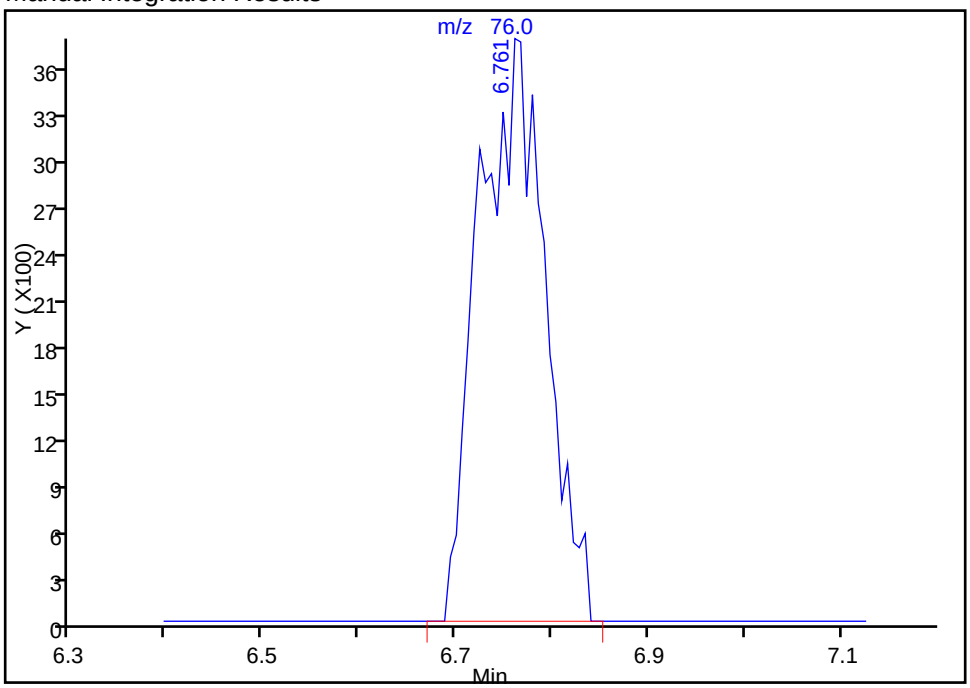
Processing Integration Results

RT: 6.76
Area: 12357
Amount: 0.587701
Amount Units: ug/L



Manual Integration Results

RT: 6.76
Area: 17917
Amount: 0.852135
Amount Units: ug/L



Reviewer: cwiklinc, 14-Dec-2015 08:47:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

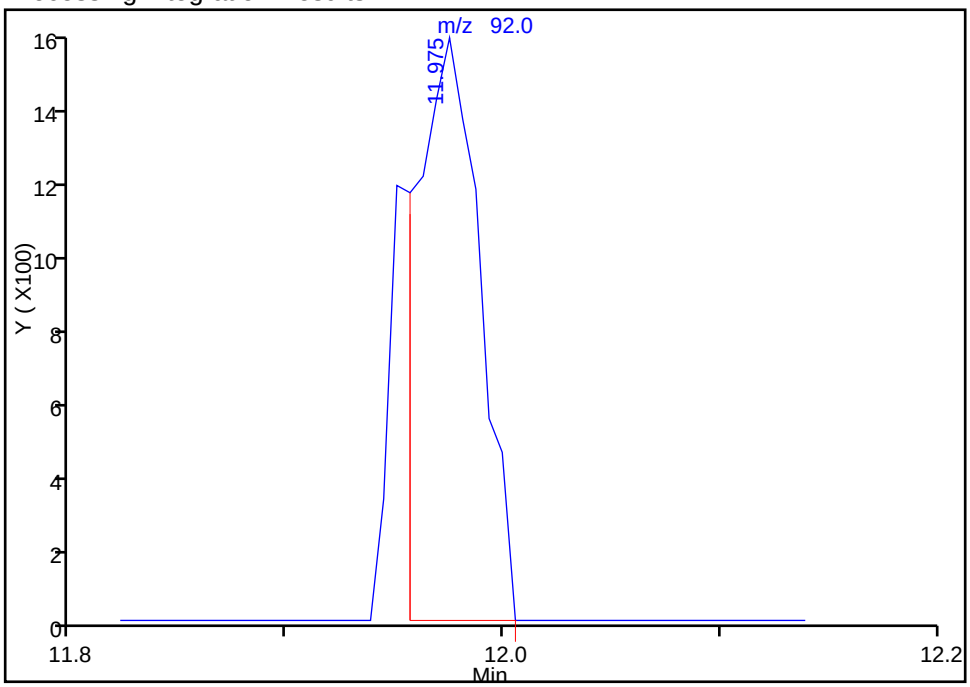
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D				
Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10		
Client ID:	B6-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

76 Toluene, CAS: 108-88-3

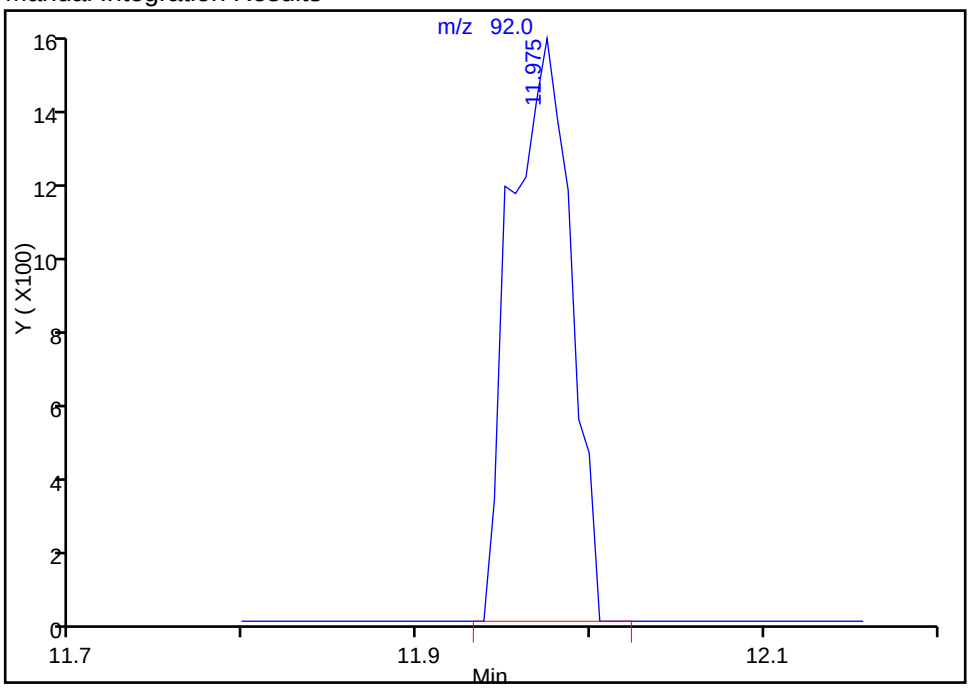
Processing Integration Results

RT: 11.97
Area: 3110
Amount: 0.396248
Amount Units: ug/L



Manual Integration Results

RT: 11.97
Area: 3638
Amount: 0.463521
Amount Units: ug/L



Reviewer: cwiklinc, 14-Dec-2015 08:47:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

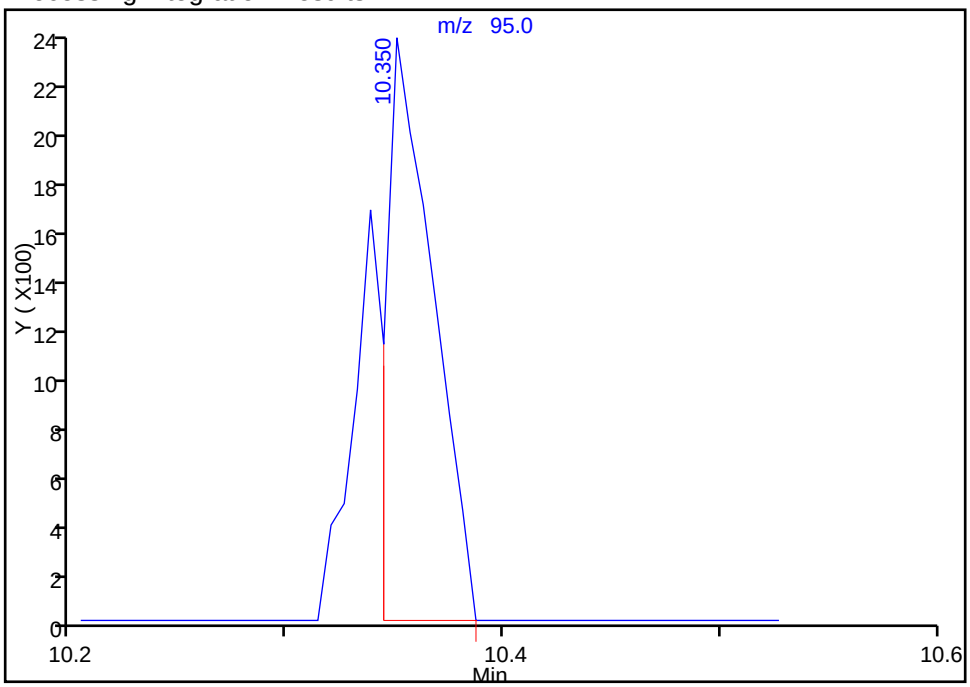
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2302.D				
Injection Date:	12-Dec-2015 14:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-10-C	Lab Sample ID:	480-92213-10		
Client ID:	B6-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

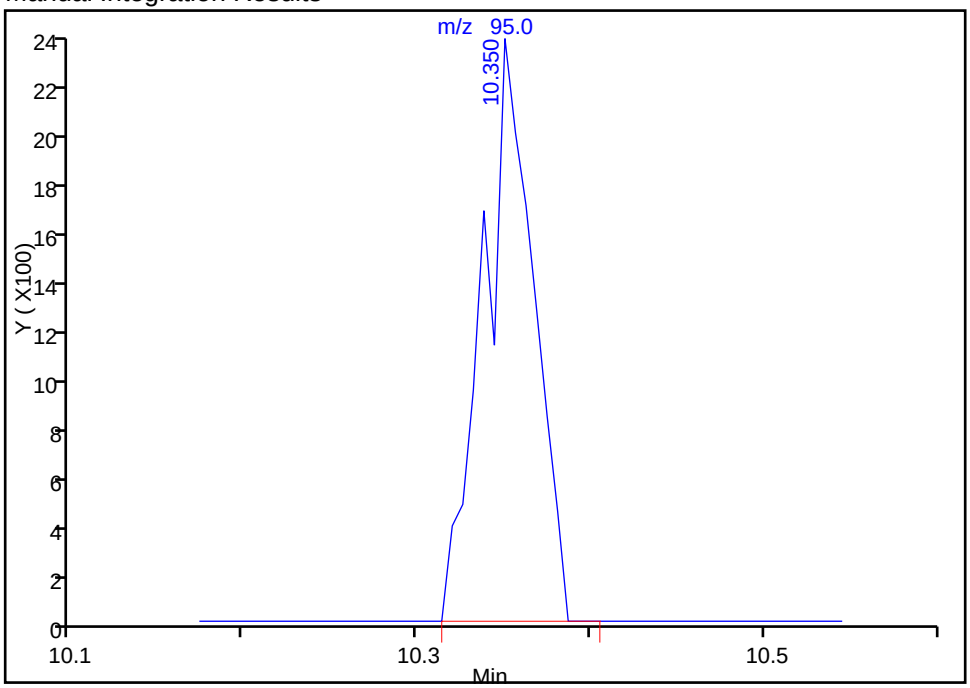
Processing Integration Results

RT: 10.35
Area: 3569
Amount: 0.587533
Amount Units: ug/L



Manual Integration Results

RT: 10.35
Area: 4843
Amount: 0.797260
Amount Units: ug/L



Reviewer: cwiklinc, 14-Dec-2015 08:47:41
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B26-ARREA2-S1 | Lab Sample ID: 480-92213-11

Matrix: Solid | Lab File ID: P2276.D

Analysis Method: 8260C | Date Collected: 12/04/2015 09:20

Sample wt/vol: 5.12(g) | Date Analyzed: 12/11/2015 17:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.7
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.42
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND		27	1.9
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.7
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.7
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.7
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
98-82-8	Isopropylbenzene	ND	*	5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B26-ARREA2-S1 | Lab Sample ID: 480-92213-11

Matrix: Solid | Lab File ID: P2276.D

Analysis Method: 8260C | Date Collected: 12/04/2015 09:20

Sample wt/vol: 5.12(g) | Date Analyzed: 12/11/2015 17:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	3.9	J	5.3	2.4
100-42-5	Styrene	ND		5.3	0.27
127-18-4	Tetrachloroethene	ND		5.3	0.71
108-88-3	Toluene	ND		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	68	X	72-126
2037-26-5	Toluene-d8 (Surr)	123		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2276.D
Lims ID: 480-92213-A-11-B Lab Sample ID: 480-92213-11
Client ID: B26-ARREA2-S1
Sample Type: Client
Inject. Date: 11-Dec-2015 17:34:30 ALS Bottle#: 5 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-11-B
Misc. Info.: 480-0049158-012
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 07:22:53 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 07:18:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	252421	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	364528	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	183255	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	202456	51.9	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	94	981143	61.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	189992	34.2	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.421	6.396	0.025	86	5506	1.90	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.780	6.779	0.001	99	11796	0.4521	M
31 Methylene Chloride	84	6.986	6.986	0.000	94	43686	3.63	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.296				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.525				ND	
49 Chloroform	83	8.897	8.878	0.019	90	3423	0.2518	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95		10.350				ND	
64 Methylcyclohexane	83		10.582				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.651				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

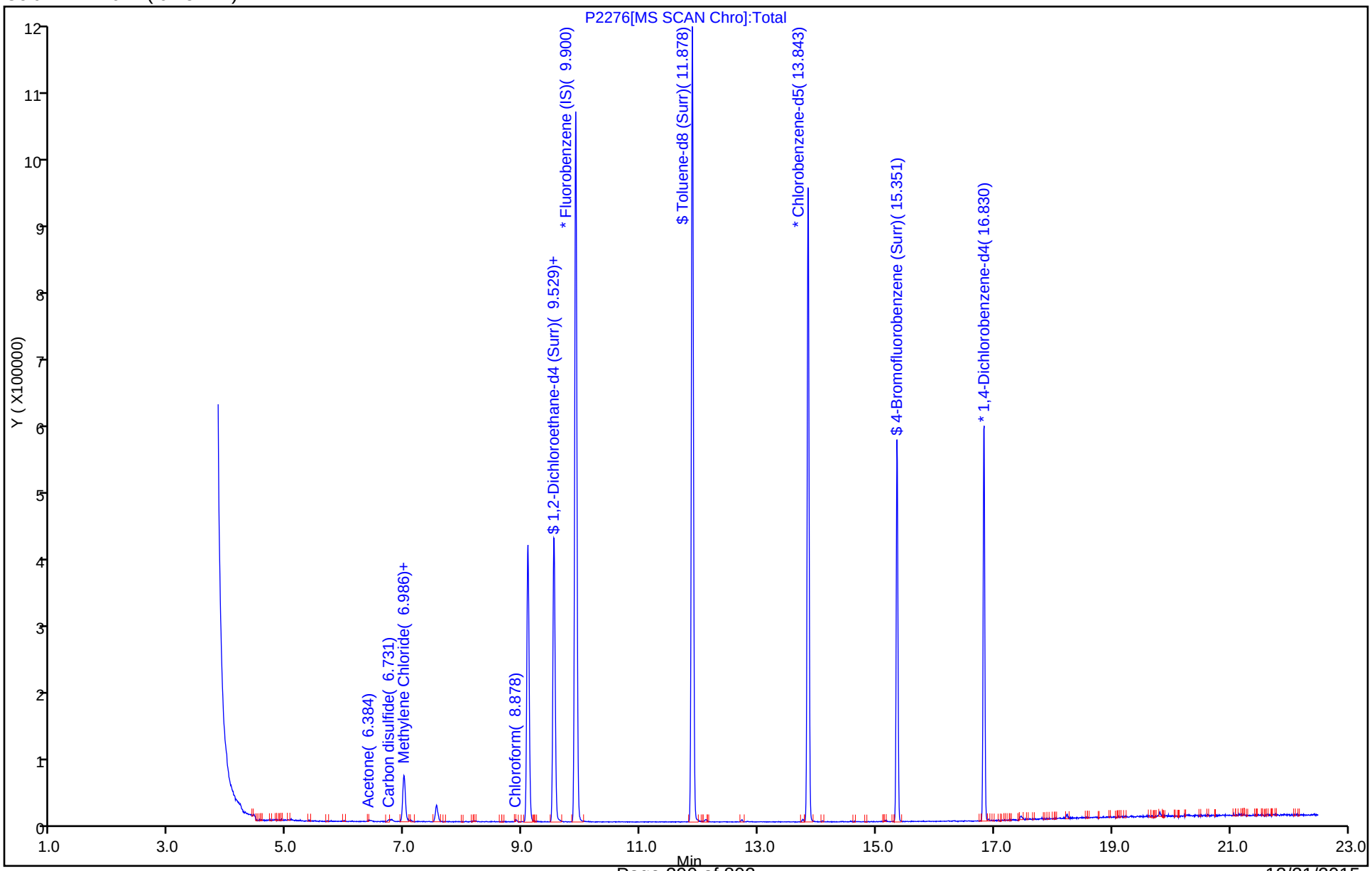
Report Date: 12-Dec-2015 07:23:00 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2276.D

Injection Date:	11-Dec-2015 17:34:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-11-B	Lab Sample ID:	480-92213-11	Worklist Smp#:	12
Client ID:	B26-ARREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



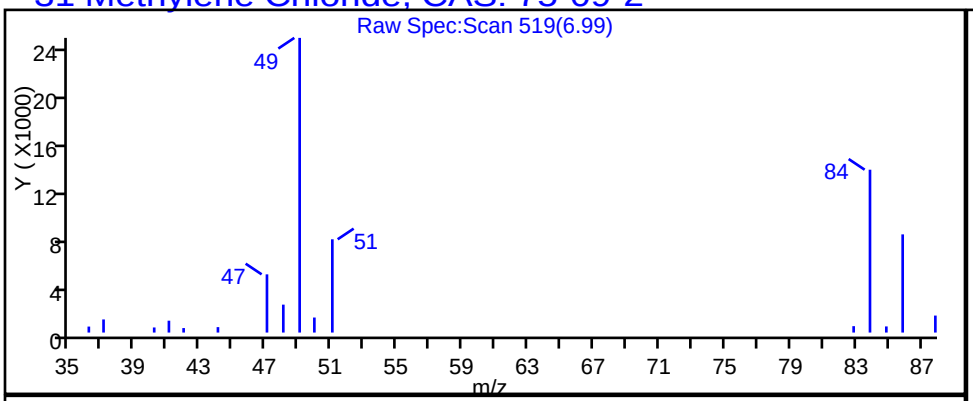
Report Date: 12-Dec-2015 07:23:01 Chrom Revision: 2.2 08-Oct-2015 07:17:48

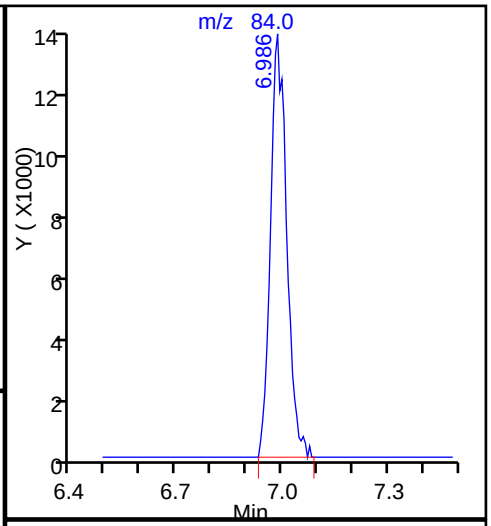
TestAmerica Buffalo

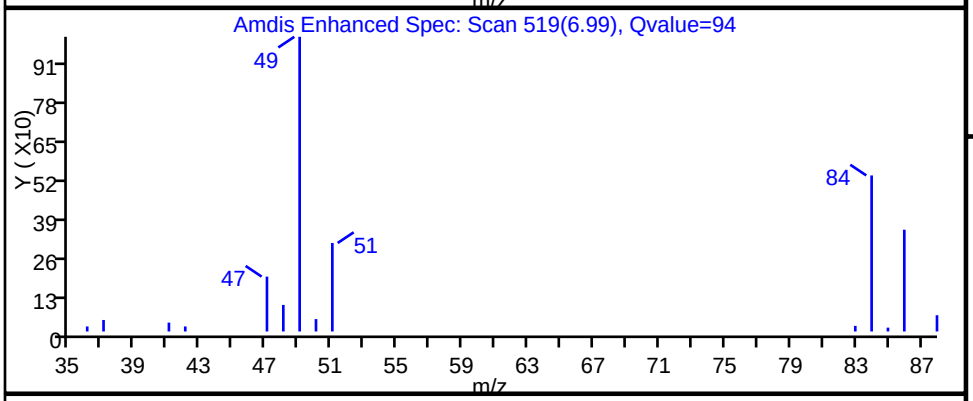
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2276.D

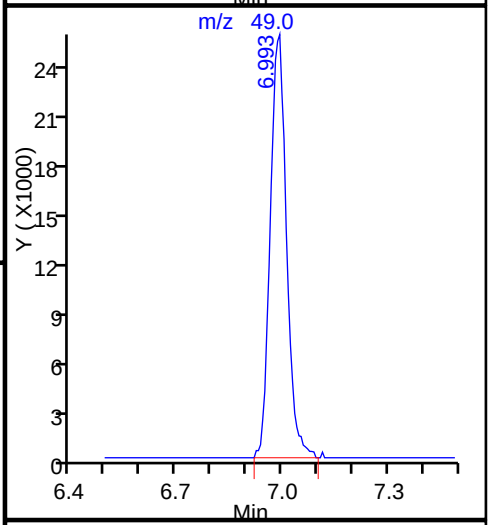
Injection Date:	11-Dec-2015 17:34:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-11-B	Lab Sample ID:	480-92213-11		
Client ID:	B26-ARREA2-S1				
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

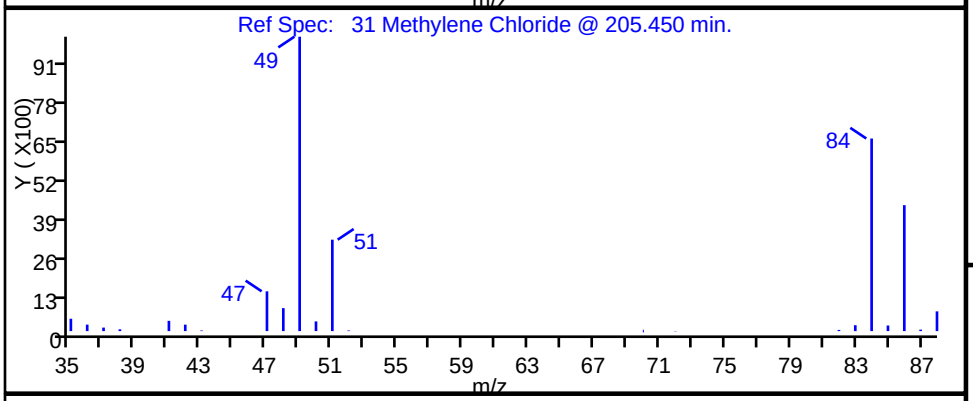
31 Methylene Chloride, CAS: 75-09-2

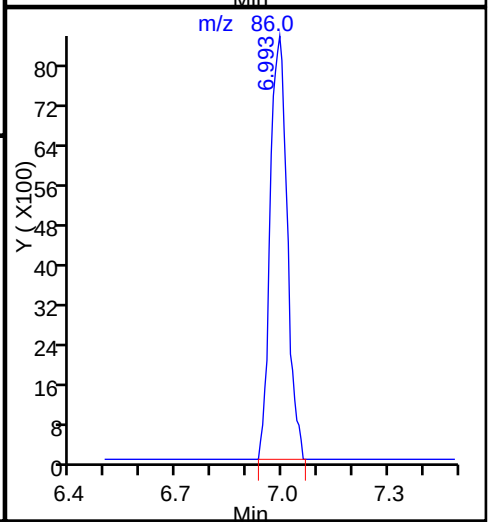


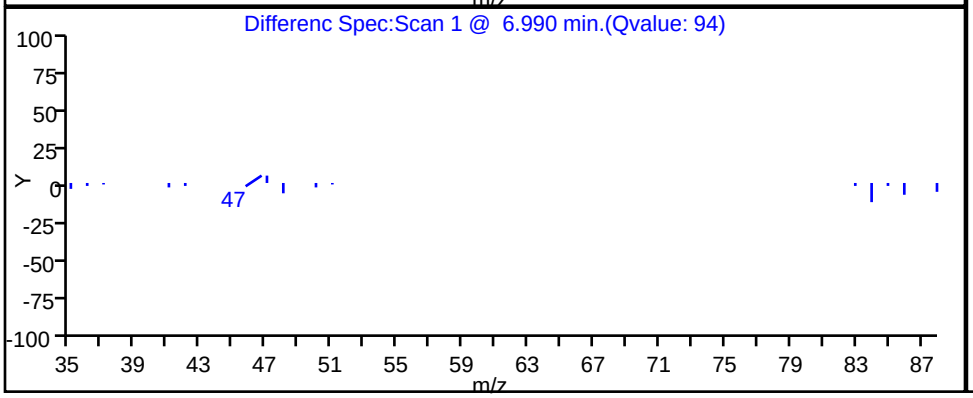












Manual Integration/User Assign Peak Report

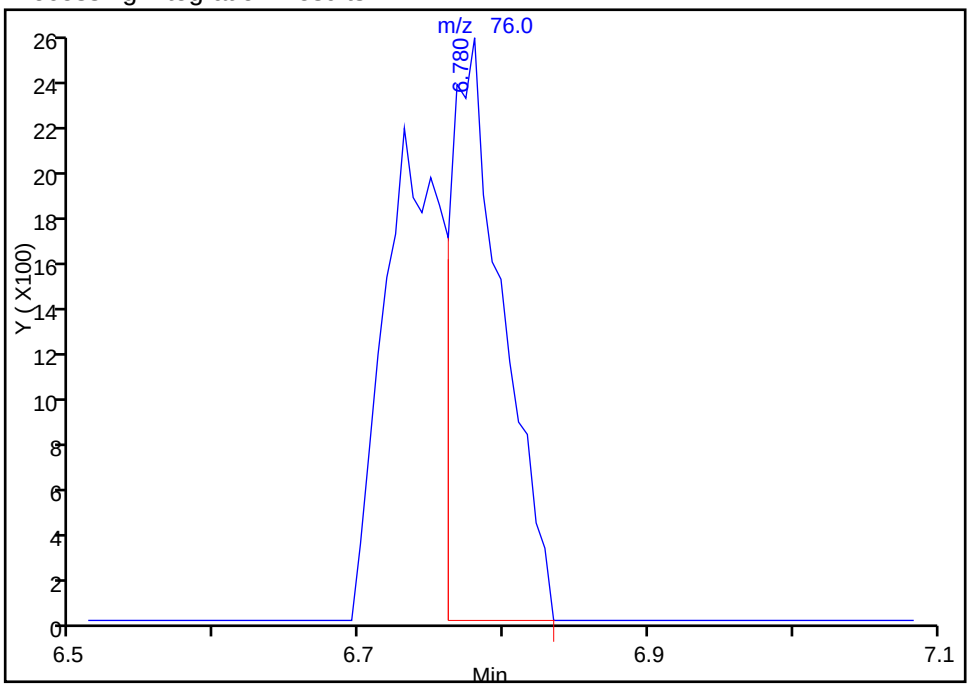
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2276.D				
Injection Date:	11-Dec-2015 17:34:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-11-B	Lab Sample ID:	480-92213-11		
Client ID:	B26-ARREA2-S1				
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

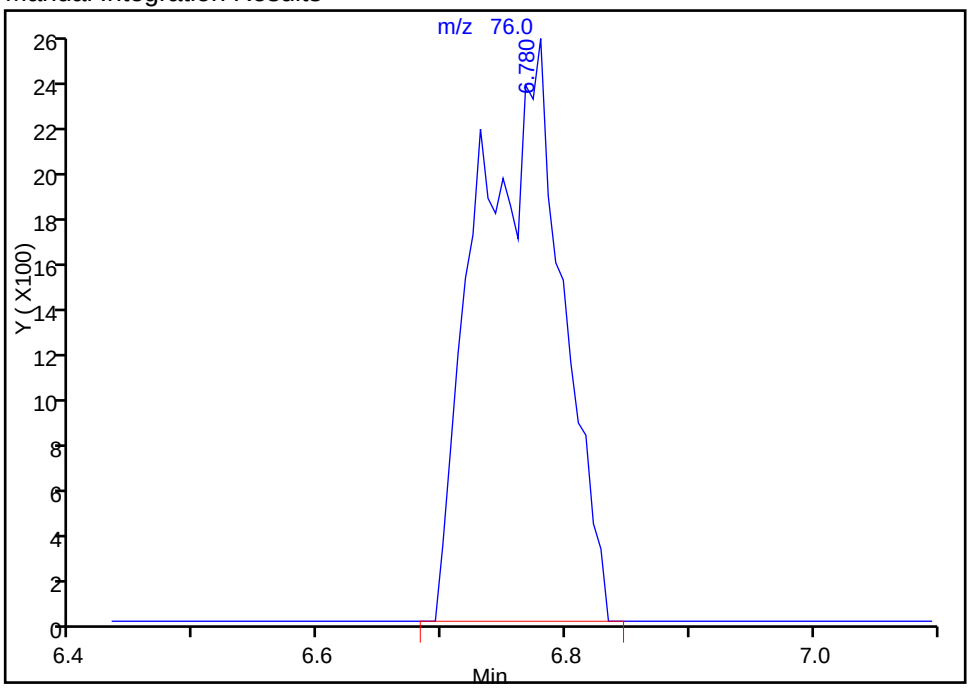
Processing Integration Results

RT: 6.78
Area: 6329
Amount: 0.242582
Amount Units: ug/L



Manual Integration Results

RT: 6.78
Area: 11796
Amount: 0.452125
Amount Units: ug/L



Reviewer: cwiklinc, 12-Dec-2015 07:18:16
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B8-AREA2-S1 | Lab Sample ID: 480-92213-12

Matrix: Solid | Lab File ID: P2277.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:50

Sample wt/vol: 5.03(g) | Date Analyzed: 12/11/2015 18:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.1 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.5	0.71
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.5	0.77
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	9.7	J B	27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.73
75-25-2	Bromoform	ND	*	5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND	*	5.5	0.72
75-00-3	Chloroethane	4.4	J	5.5	1.2
67-66-3	Chloroform	0.42	J	5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND	*	5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND	*	5.5	0.38
98-82-8	Isopropylbenzene	ND	*	5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B8-AREA2-S1 | Lab Sample ID: 480-92213-12

Matrix: Solid | Lab File ID: P2277.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:50

Sample wt/vol: 5.03(g) | Date Analyzed: 12/11/2015 18:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.1 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	9.1		5.5	2.5
100-42-5	Styrene	ND	*	5.5	0.27
127-18-4	Tetrachloroethene	ND	*	5.5	0.73
108-88-3	Toluene	ND	*	5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		64-126
460-00-4	4-Bromofluorobenzene (Surr)	51	X *	72-126
2037-26-5	Toluene-d8 (Surr)	130	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2277.D
Lims ID: 480-92213-A-12-B Lab Sample ID: 480-92213-12
Client ID: B8-AREA2-S1
Sample Type: Client
Inject. Date: 11-Dec-2015 18:01:30 ALS Bottle#: 6 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-12-B
Misc. Info.: 480-0049158-013
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 07:18:57 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 07:18:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	223471	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	277724	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	87772	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	195942	56.7	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	94	791073	65.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	108695	25.7	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64	5.253	5.252	0.001	95	12674	3.99	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.408	6.396	0.012	96	22631	8.84	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.780	6.779	0.001	98	18793	0.8136	
31 Methylene Chloride	84	6.980	6.986	-0.006	93	67976	8.36	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.296				ND	
40 1,1-Dichloroethane	63	7.838	7.826	0.012	92	5450	0.3898	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.525				ND	
49 Chloroform	83	8.878	8.878	0.000	91	4665	0.3876	M
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95		10.350				ND	
64 Methylcyclohexane	83		10.582				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.651				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

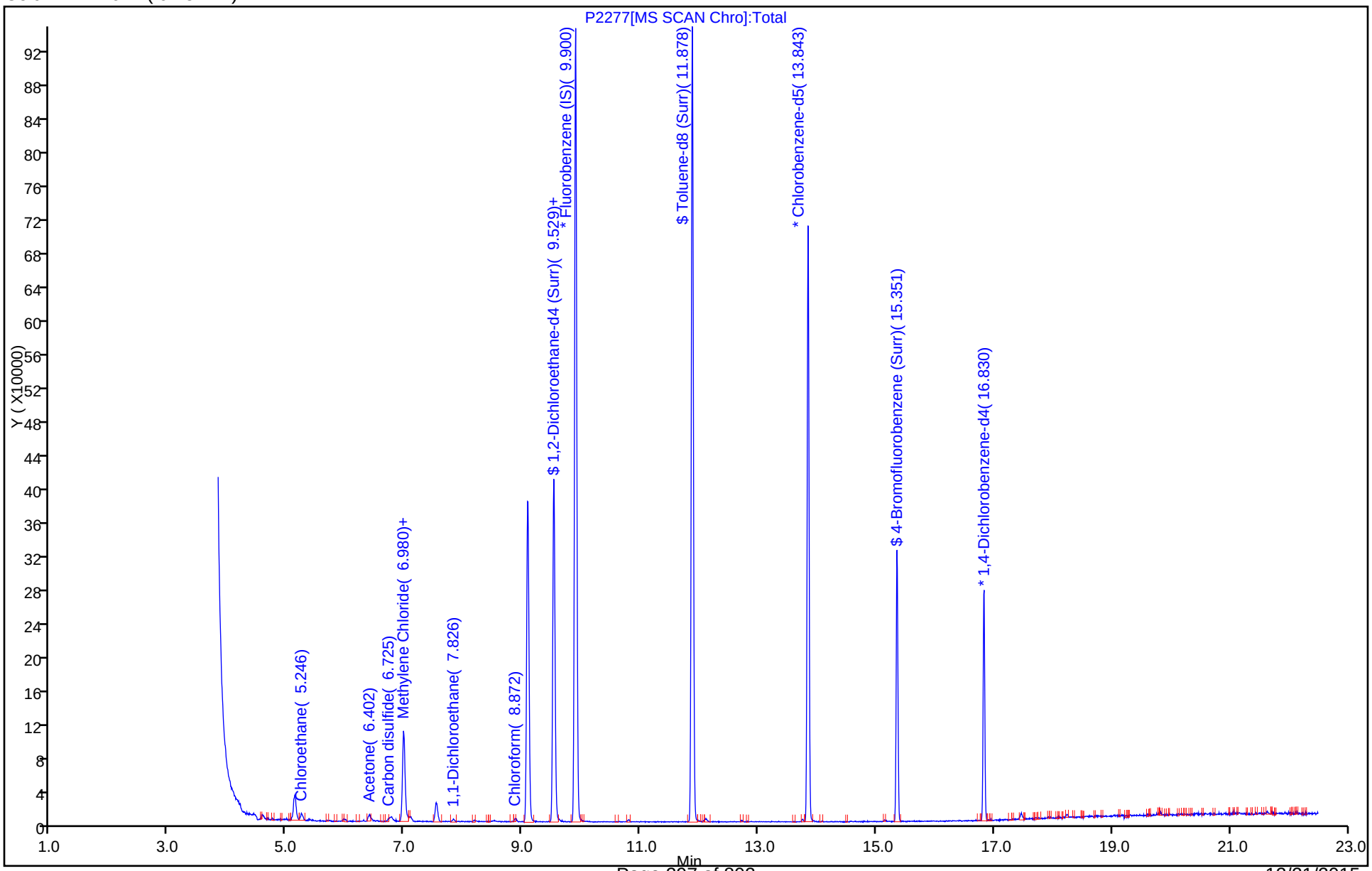
Report Date: 12-Dec-2015 07:18:58 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2277.D

Injection Date:	11-Dec-2015 18:01:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-12-B	Lab Sample ID:	480-92213-12	Worklist Smp#:	13
Client ID:	B8-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

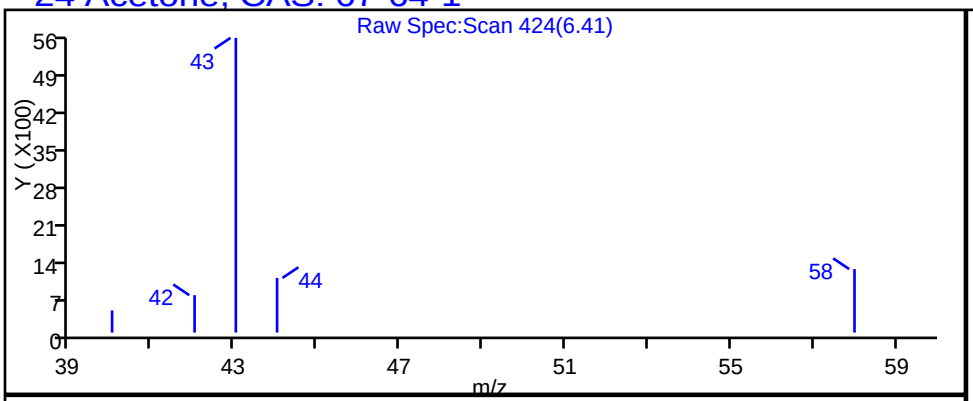


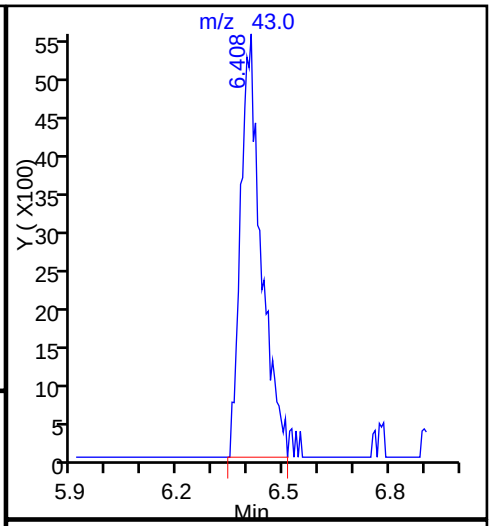
TestAmerica Buffalo

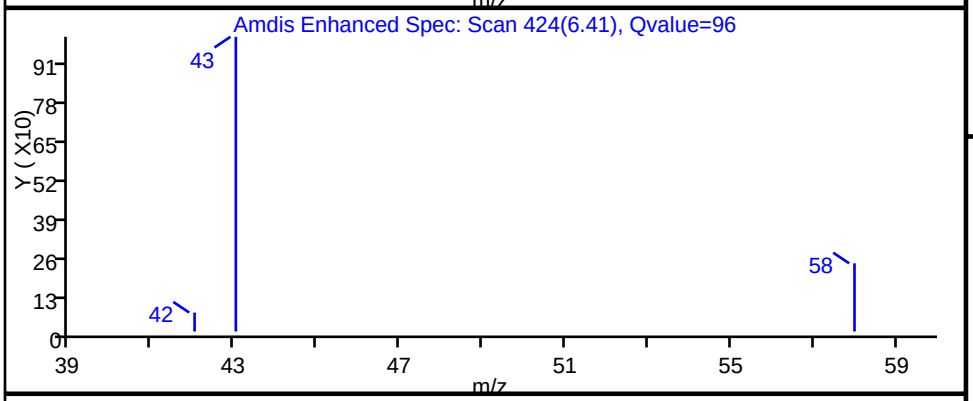
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2277.D

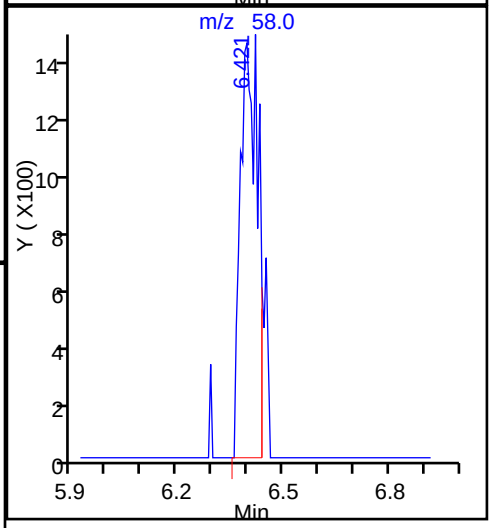
Injection Date:	11-Dec-2015 18:01:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-12-B	Lab Sample ID:	480-92213-12		
Client ID:	B8-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

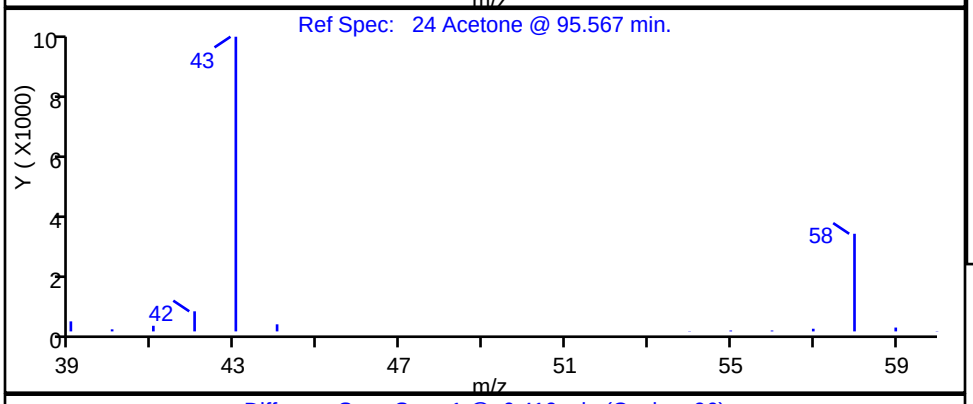
24 Acetone, CAS: 67-64-1

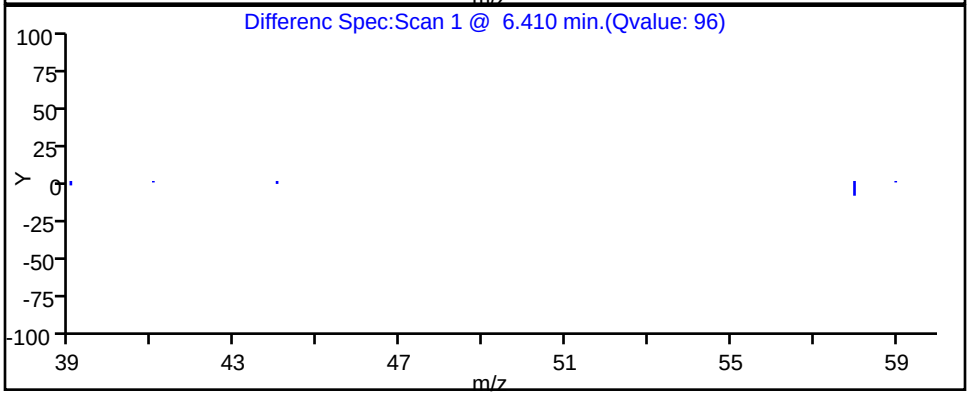










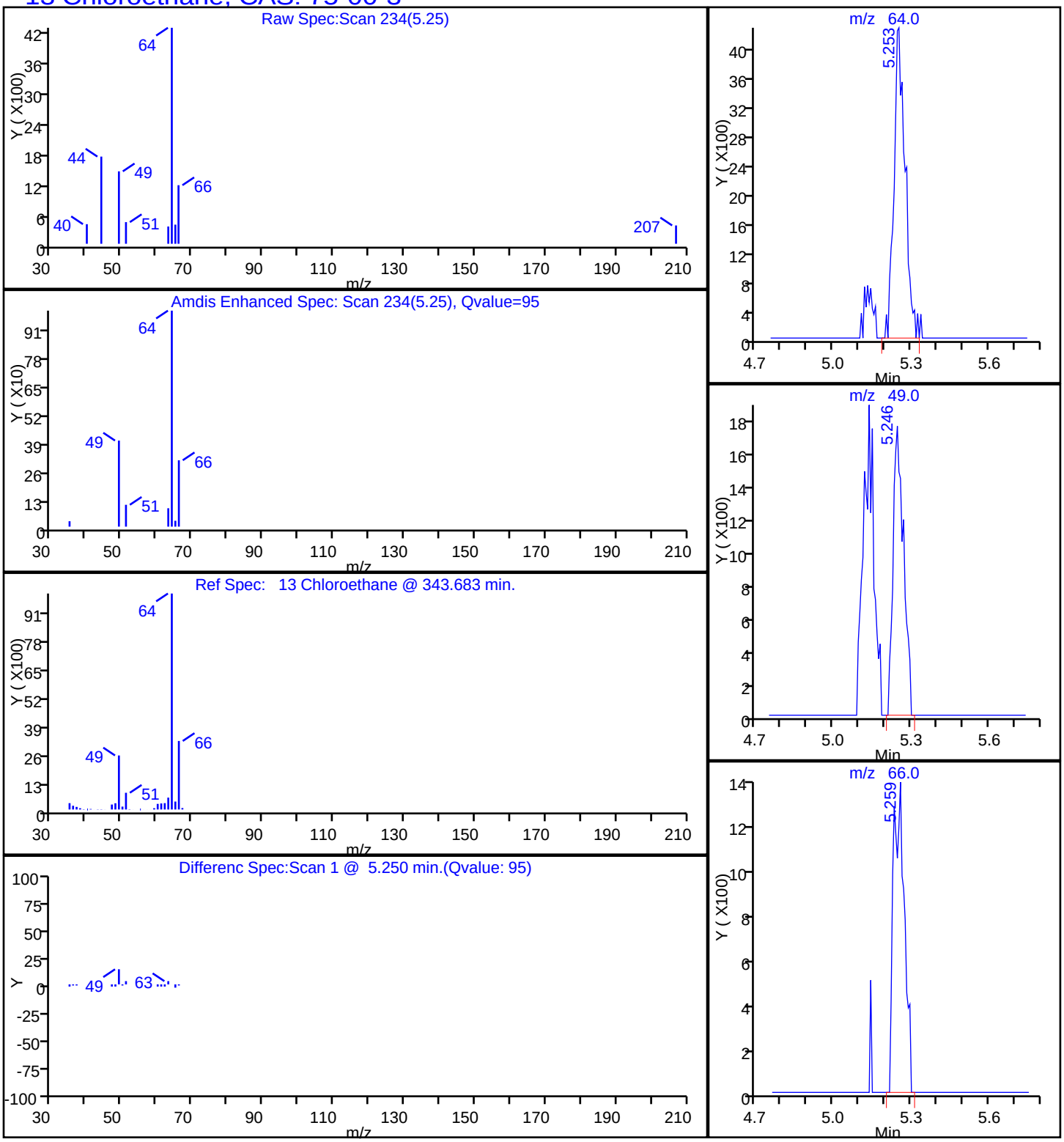


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2277.D

Injection Date:	11-Dec-2015 18:01:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-12-B	Lab Sample ID:	480-92213-12		
Client ID:	B8-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

13 Chloroethane, CAS: 75-00-3

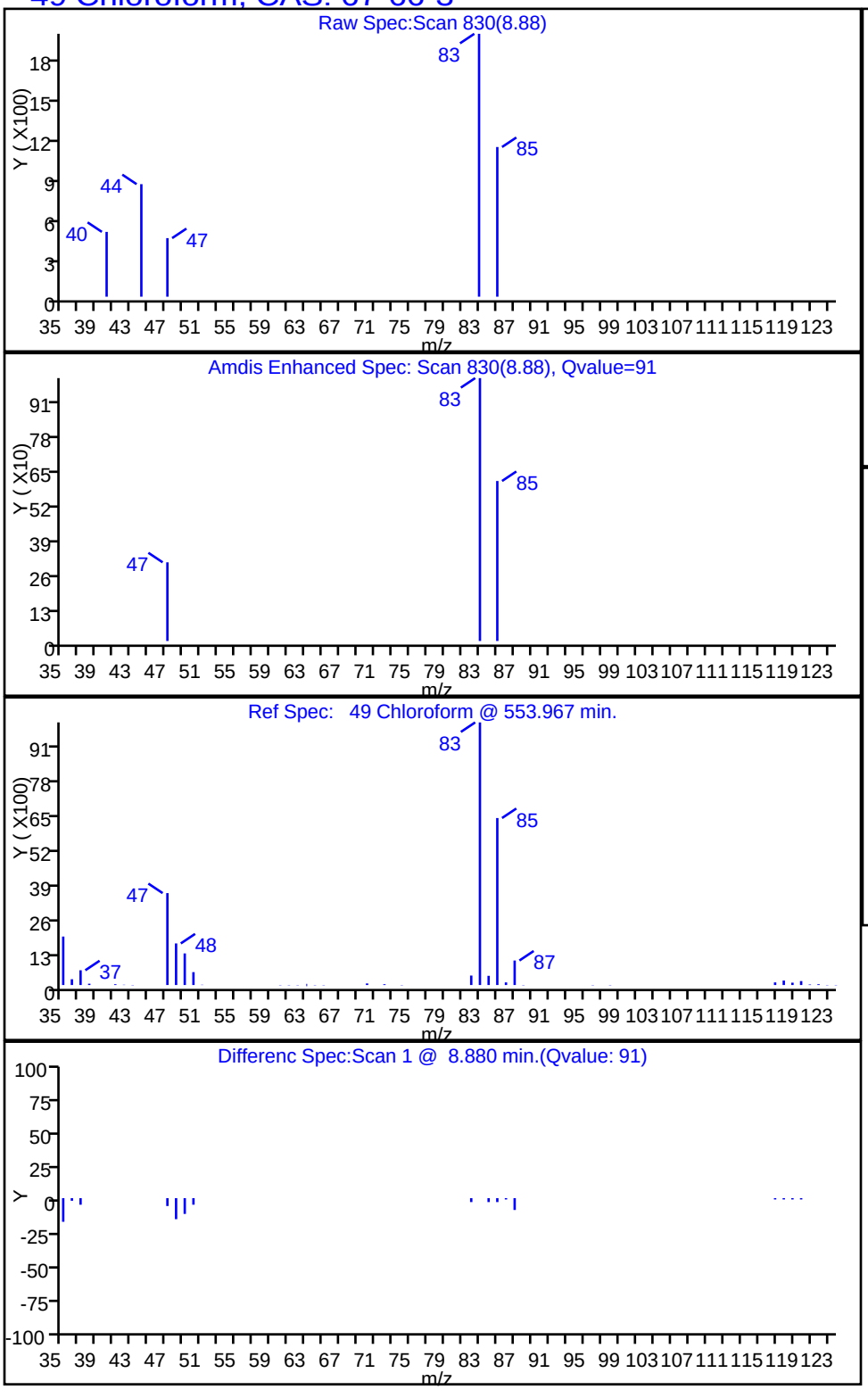


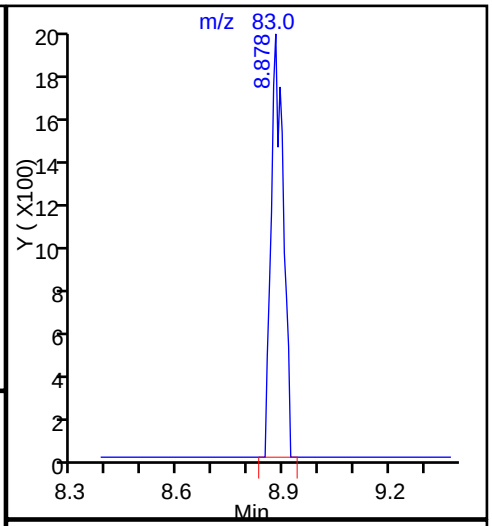
TestAmerica Buffalo

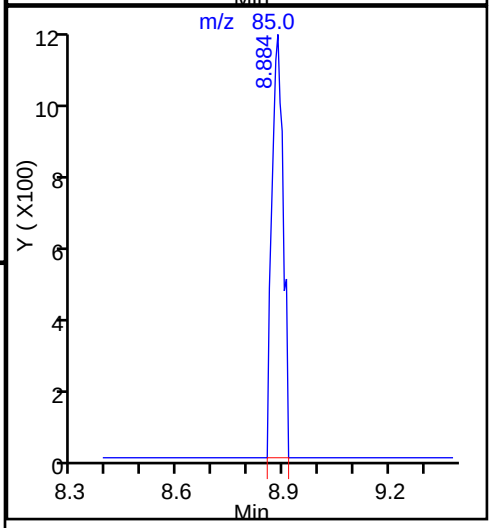
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2277.D

Injection Date:	11-Dec-2015 18:01:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-12-B	Lab Sample ID:	480-92213-12		
Client ID:	B8-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

49 Chloroform, CAS: 67-66-3







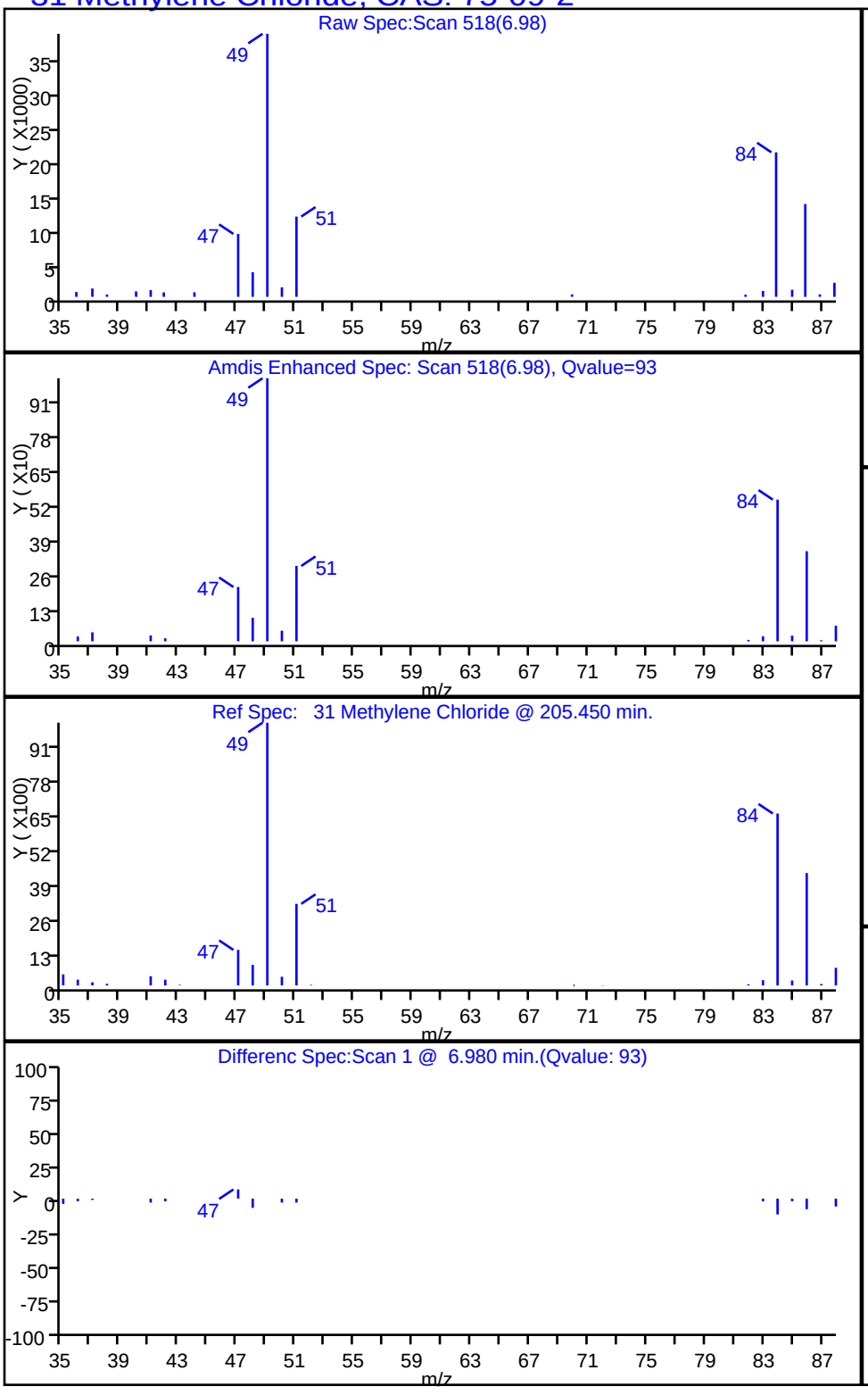
Report Date: 12-Dec-2015 07:18:58 Chrom Revision: 2.2 08-Oct-2015 07:17:48

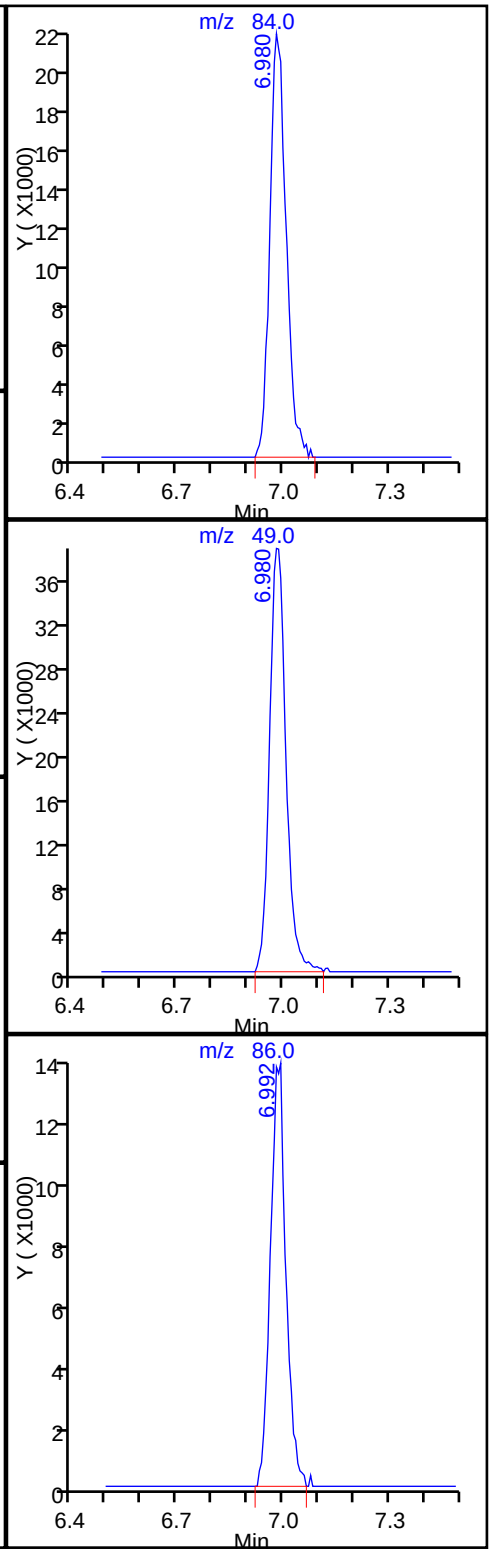
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2277.D

Injection Date:	11-Dec-2015 18:01:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-12-B	Lab Sample ID:	480-92213-12		
Client ID:	B8-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2





Manual Integration/User Assign Peak Report

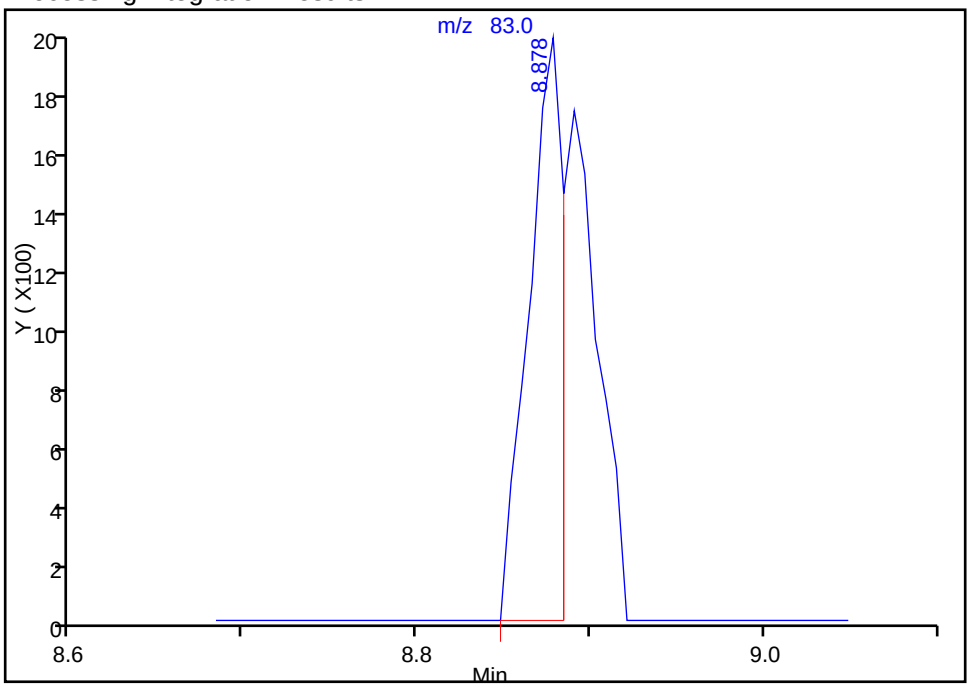
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2277.D				
Injection Date:	11-Dec-2015 18:01:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-12-B	Lab Sample ID:	480-92213-12		
Client ID:	B8-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

49 Chloroform, CAS: 67-66-3

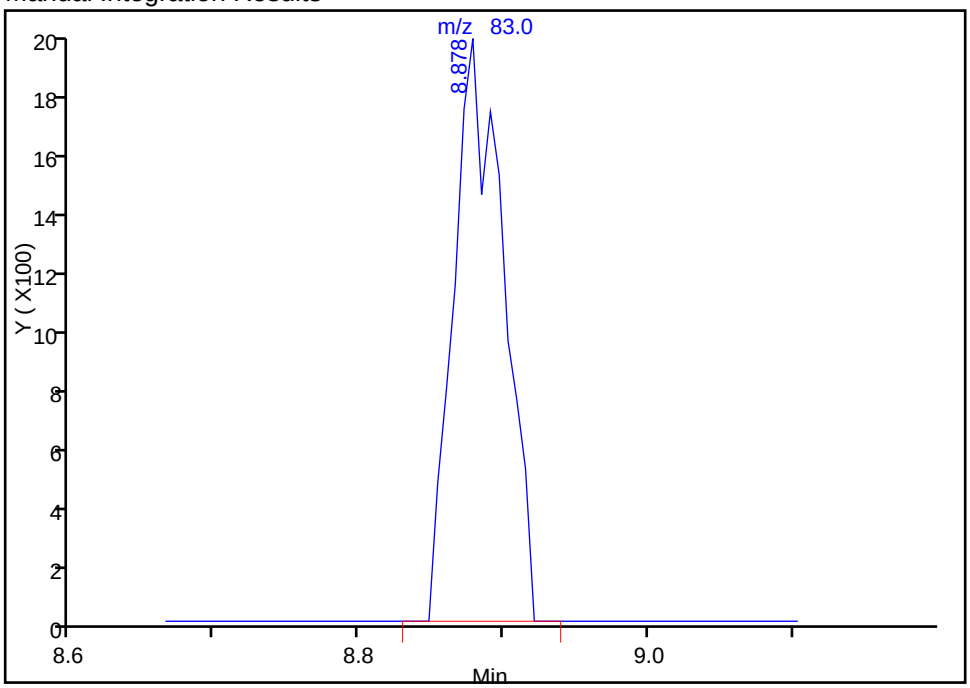
Processing Integration Results

RT: 8.88
Area: 2708
Amount: 0.224999
Amount Units: ug/L



Manual Integration Results

RT: 8.88
Area: 4665
Amount: 0.387600
Amount Units: ug/L



Reviewer: cwiklinc, 12-Dec-2015 07:18:57
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S1 Lab Sample ID: 480-92213-13

Matrix: Solid Lab File ID: P2278.D

Analysis Method: 8260C Date Collected: 12/04/2015 13:15

Sample wt/vol: 0.52(g) Date Analyzed: 12/11/2015 18:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 Level: (low/med) Low

Analysis Batch No.: 279321 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		51	3.7
79-34-5	1,1,2,2-Tetrachloroethane	ND		51	8.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		51	12
79-00-5	1,1,2-Trichloroethane	ND		51	6.7
75-34-3	1,1-Dichloroethane	210		51	6.3
75-35-4	1,1-Dichloroethene	ND		51	6.3
120-82-1	1,2,4-Trichlorobenzene	ND		51	3.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		51	26
106-93-4	1,2-Dibromoethane	ND		51	6.6
95-50-1	1,2-Dichlorobenzene	ND		51	4.0
107-06-2	1,2-Dichloroethane	ND		51	2.6
78-87-5	1,2-Dichloropropane	ND		51	26
541-73-1	1,3-Dichlorobenzene	ND		51	2.6
106-46-7	1,4-Dichlorobenzene	ND		51	7.2
78-93-3	2-Butanone (MEK)	ND		260	19
591-78-6	2-Hexanone	ND		260	26
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		260	17
67-64-1	Acetone	ND		260	43
71-43-2	Benzene	ND		51	2.5
75-27-4	Bromodichloromethane	ND		51	6.9
75-25-2	Bromoform	ND		51	26
74-83-9	Bromomethane	ND		51	4.6
75-15-0	Carbon disulfide	ND		51	26
56-23-5	Carbon tetrachloride	ND		51	5.0
108-90-7	Chlorobenzene	ND		51	6.8
75-00-3	Chloroethane	ND		51	12
67-66-3	Chloroform	3.8	J	51	3.2
74-87-3	Chloromethane	ND		51	3.1
156-59-2	cis-1,2-Dichloroethene	1700		51	6.6
10061-01-5	cis-1,3-Dichloropropene	ND		51	7.4
110-82-7	Cyclohexane	ND		51	7.2
124-48-1	Dibromochloromethane	ND		51	6.6
75-71-8	Dichlorodifluoromethane	ND		51	4.2
100-41-4	Ethylbenzene	ND		51	3.5
98-82-8	Isopropylbenzene	ND		51	7.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S1 | Lab Sample ID: 480-92213-13

Matrix: Solid | Lab File ID: P2278.D

Analysis Method: 8260C | Date Collected: 12/04/2015 13:15

Sample wt/vol: 0.52(g) | Date Analyzed: 12/11/2015 18:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		51	31
1634-04-4	Methyl tert-butyl ether	ND		51	5.0
108-87-2	Methylcyclohexane	ND		51	7.8
75-09-2	Methylene Chloride	50	J	51	24
100-42-5	Styrene	ND		51	2.6
127-18-4	Tetrachloroethene	ND		51	6.9
108-88-3	Toluene	9.1	J	51	3.9
156-60-5	trans-1,2-Dichloroethene	5.6	J	51	5.3
10061-02-6	trans-1,3-Dichloropropene	ND		51	23
79-01-6	Trichloroethene	22	J	51	11
75-69-4	Trichlorofluoromethane	ND		51	4.9
75-01-4	Vinyl chloride	13	J	51	6.3
1330-20-7	Xylenes, Total	ND		100	8.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	89		72-126
2037-26-5	Toluene-d8 (Surr)	105		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D
Lims ID: 480-92213-A-13-B Lab Sample ID: 480-92213-13
Client ID: B9-AREA2-S1
Sample Type: Client
Inject. Date: 11-Dec-2015 18:28:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-13-B
Misc. Info.: 480-0049158-014
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 07:22:53 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 07:23:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	261876	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	503588	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	363475	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	214528	53.0	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1158684	52.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	340072	44.3	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62	4.535	4.577	-0.042	89	7326	1.24	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	86	6448	2.15	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.773	6.779	-0.006	99	37256	1.38	
31 Methylene Chloride	84	6.986	6.986	0.000	95	54339	4.87	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96	7.315	7.296	0.019	91	3993	0.5415	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	338198	20.6	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	85	1328996	166.2	
49 Chloroform	83	8.884	8.878	0.006	93	5168	0.3664	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.357	10.350	0.007	95	16741	2.14	
64 Methylcyclohexane	83		10.582				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	98	15764	0.8814	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.717	0.000	83	2324	0.3384	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.651				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

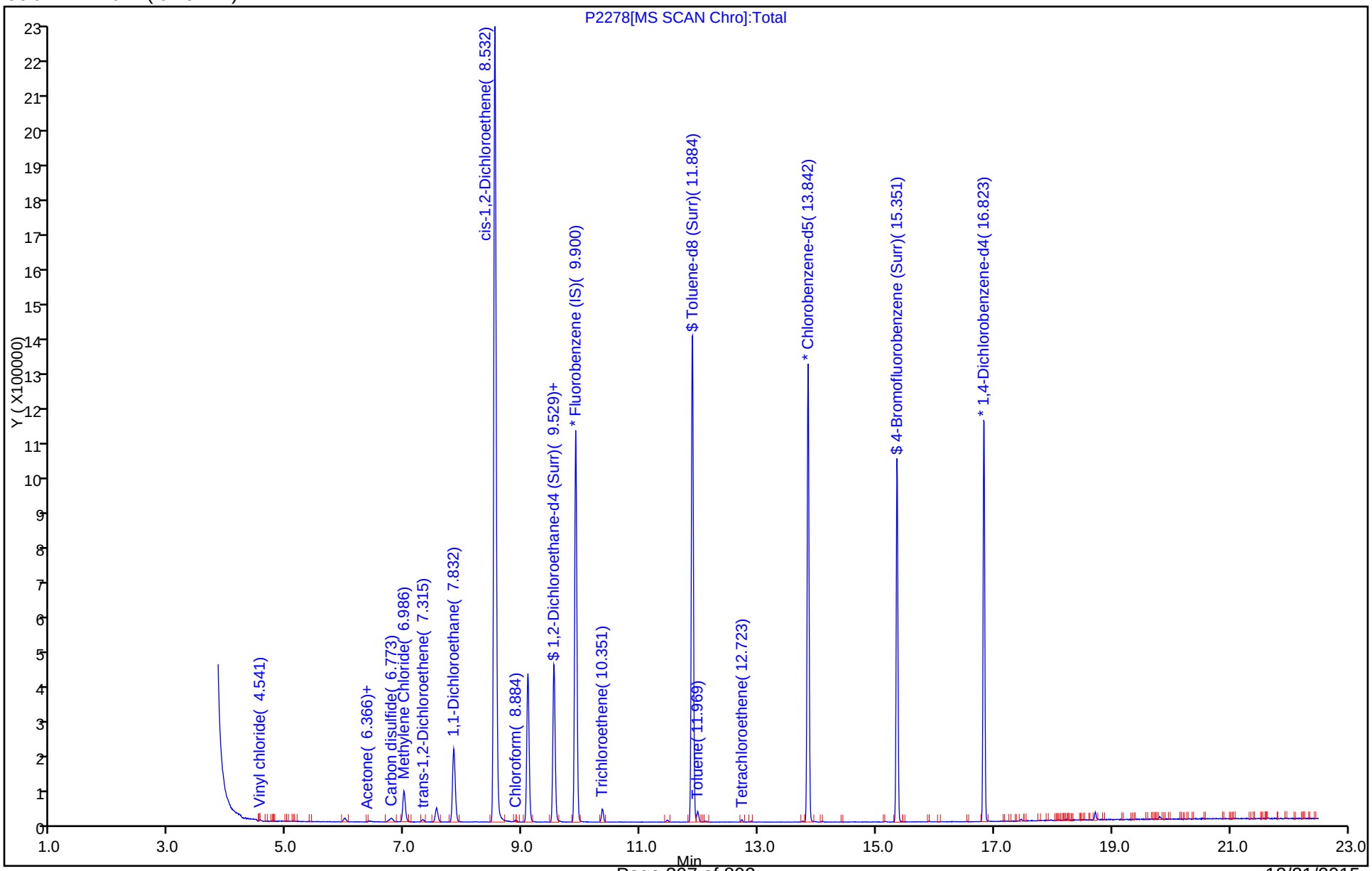
Report Date: 12-Dec-2015 07:23:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13	Worklist Smp#:	14
Client ID:	B9-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

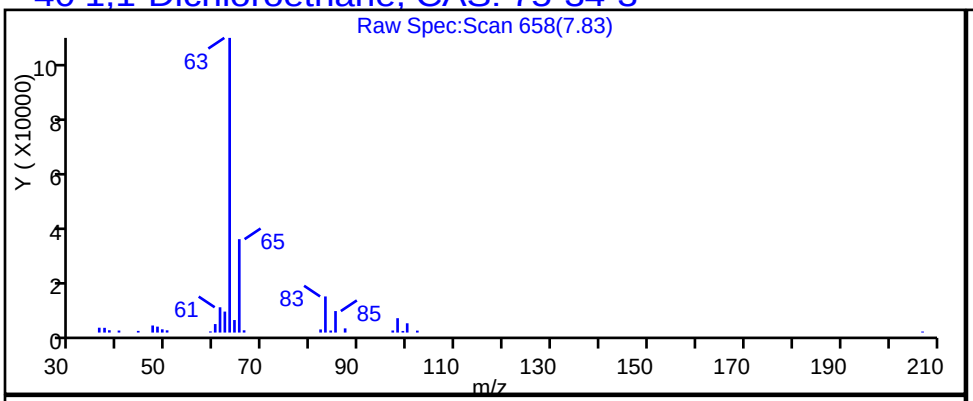


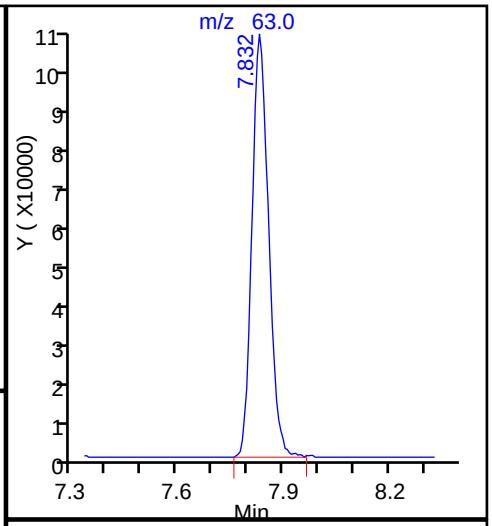
TestAmerica Buffalo

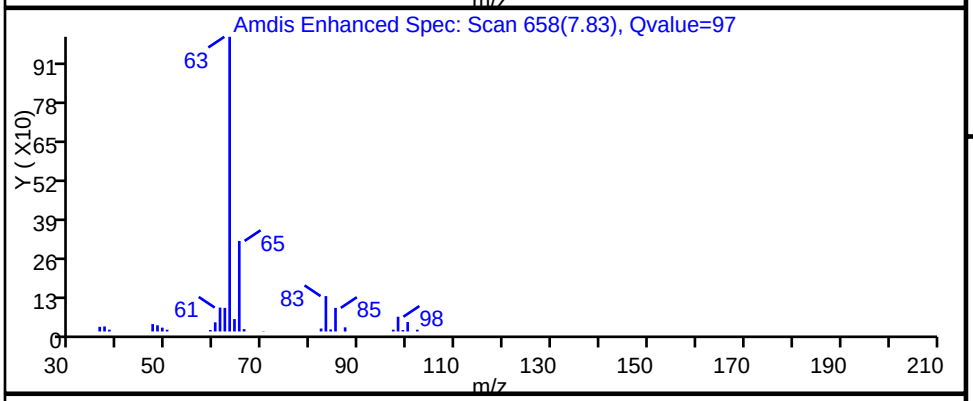
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

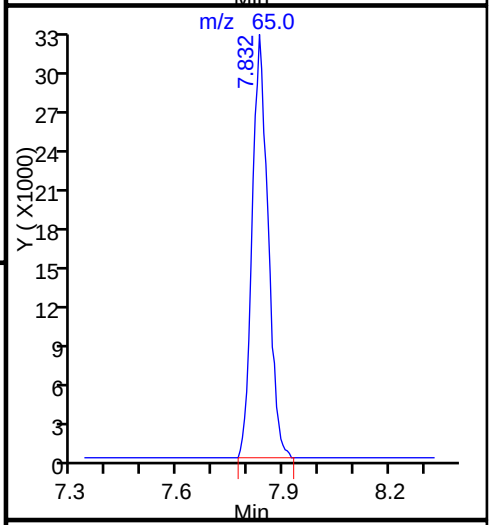
Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13		
Client ID:	B9-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

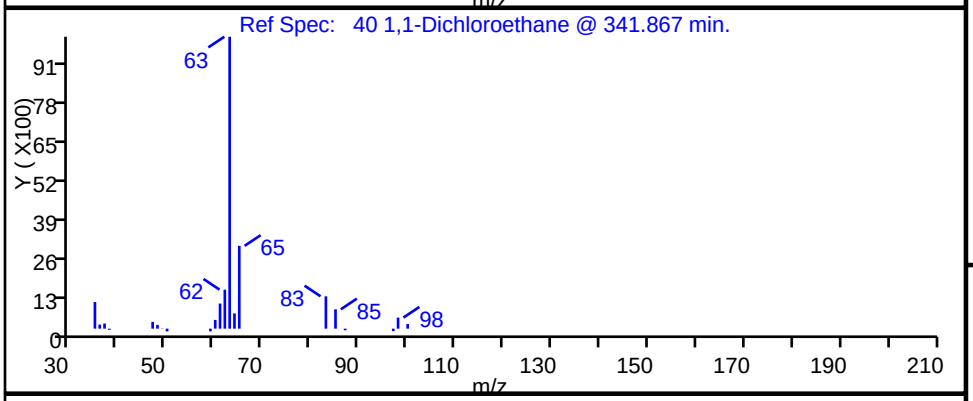
40 1,1-Dichloroethane, CAS: 75-34-3

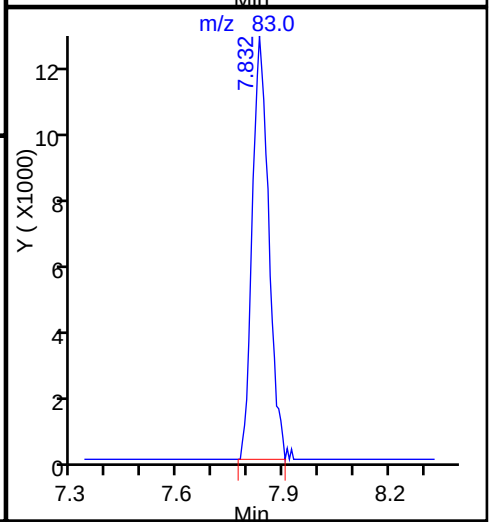


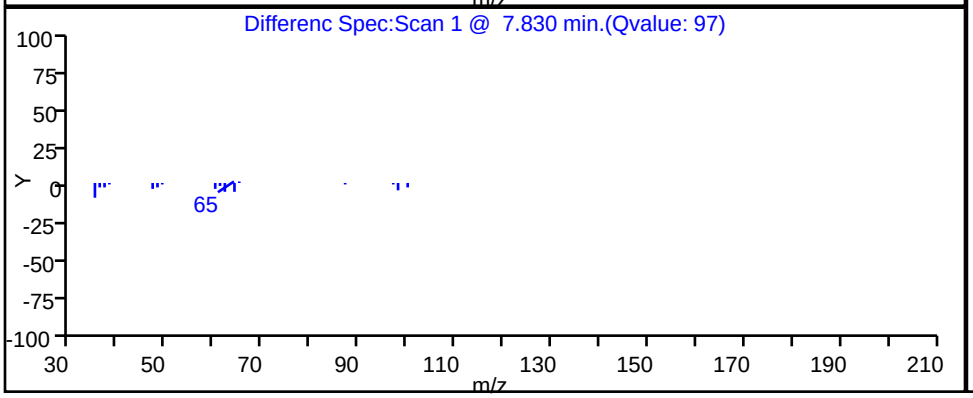








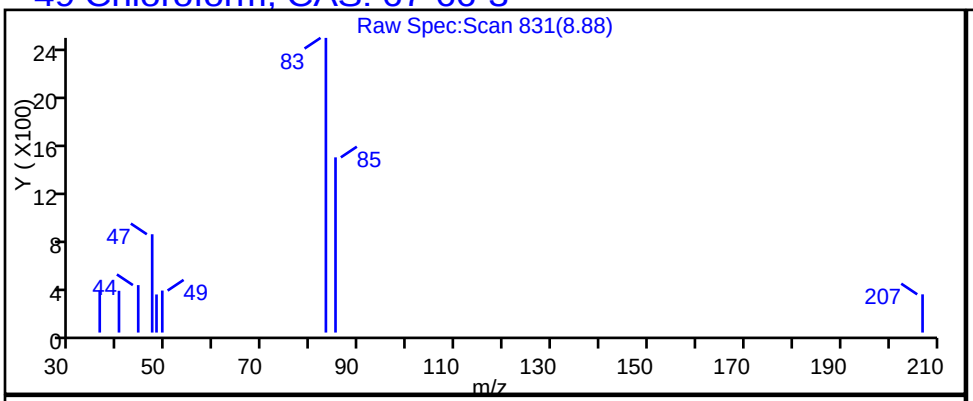


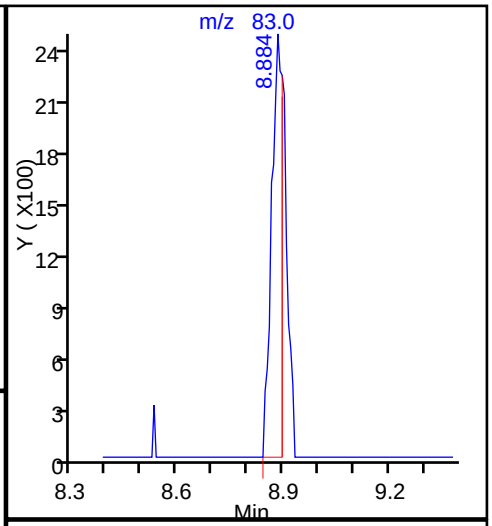


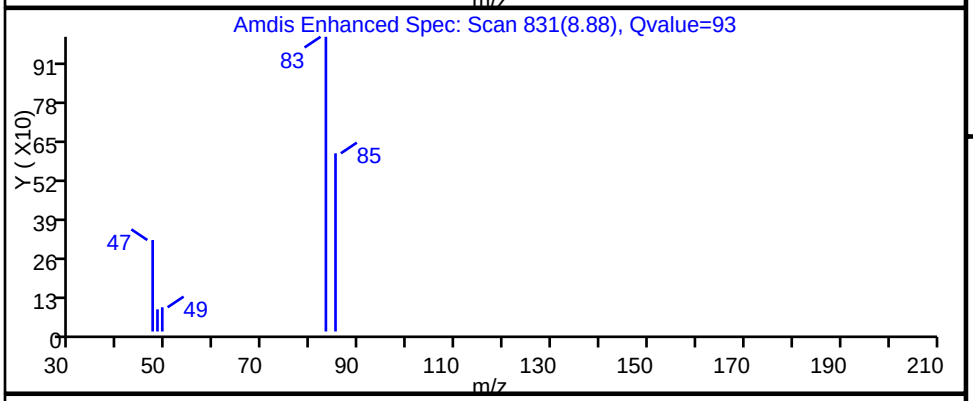
TestAmerica Buffalo

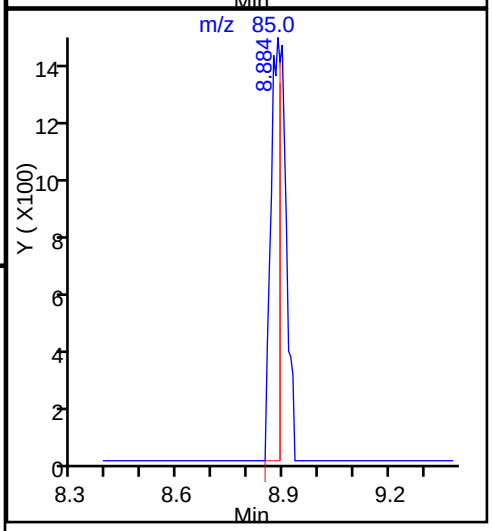
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D				
Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13		
Client ID:	B9-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

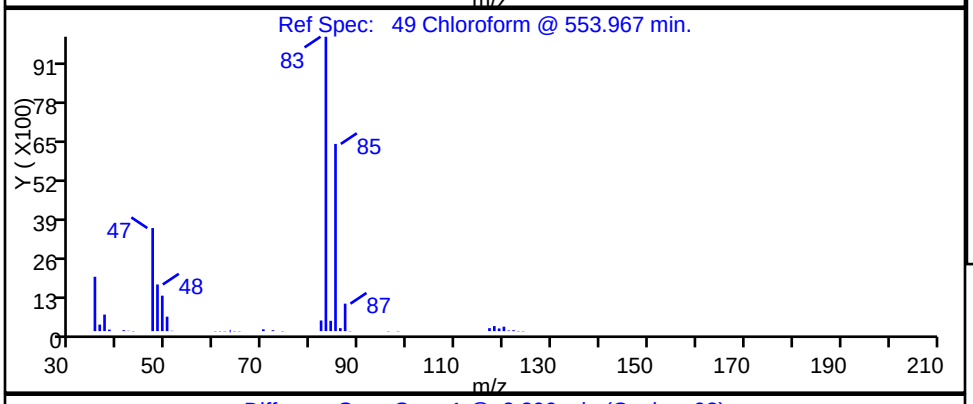
49 Chloroform, CAS: 67-66-3

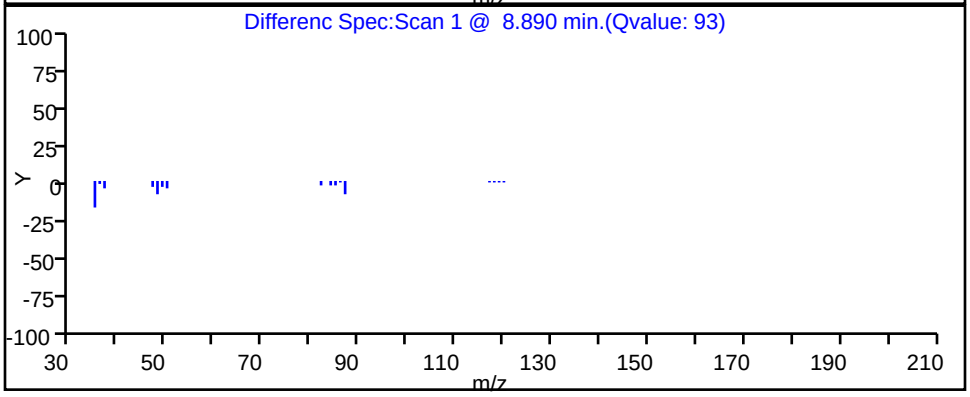












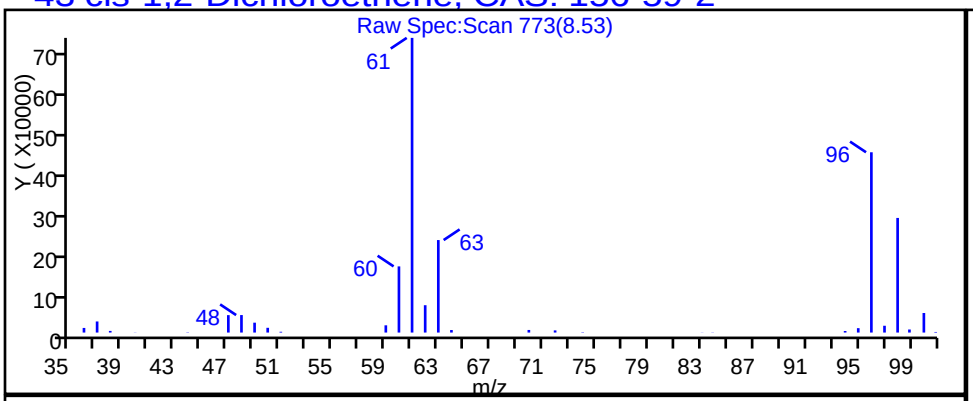
Report Date: 12-Dec-2015 07:23:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

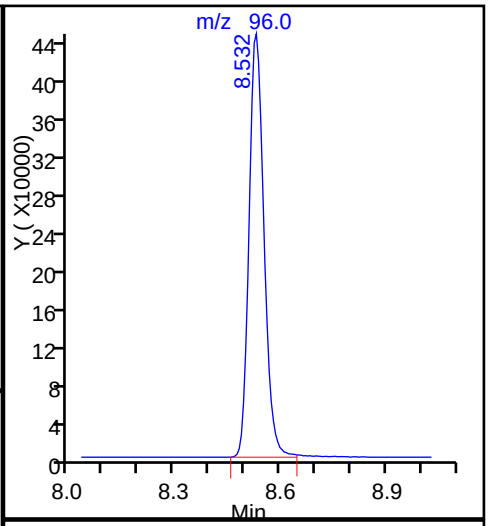
TestAmerica Buffalo

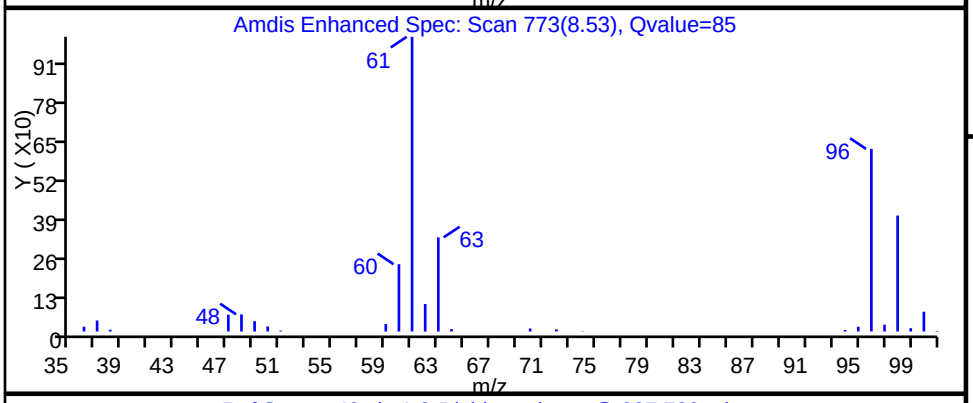
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

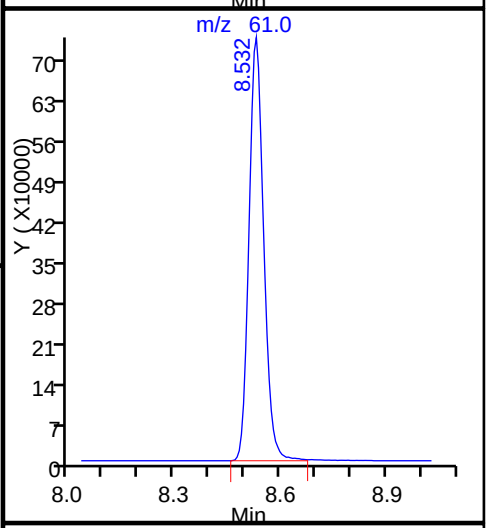
Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13		
Client ID:	B9-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

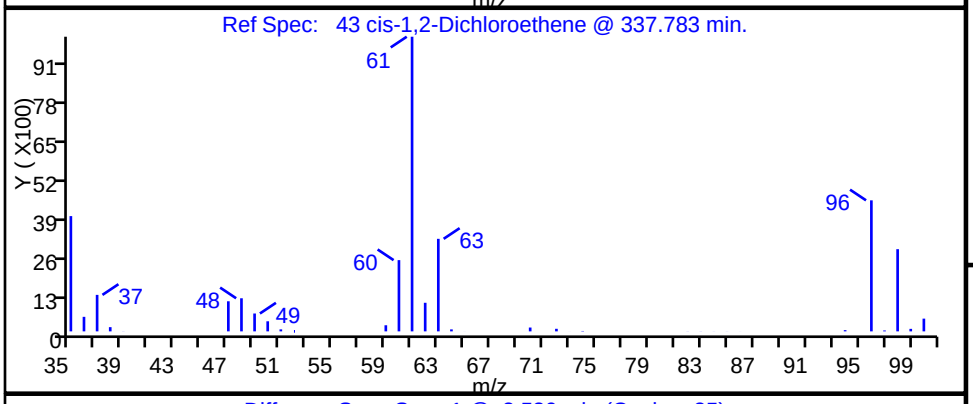
43 cis-1,2-Dichloroethene, CAS: 156-59-2

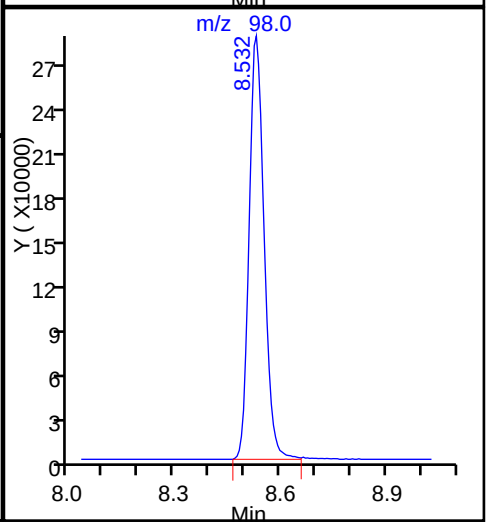


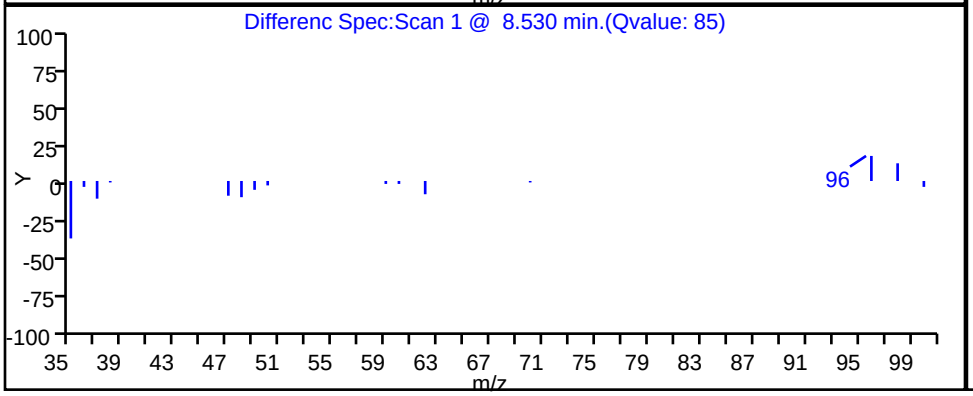










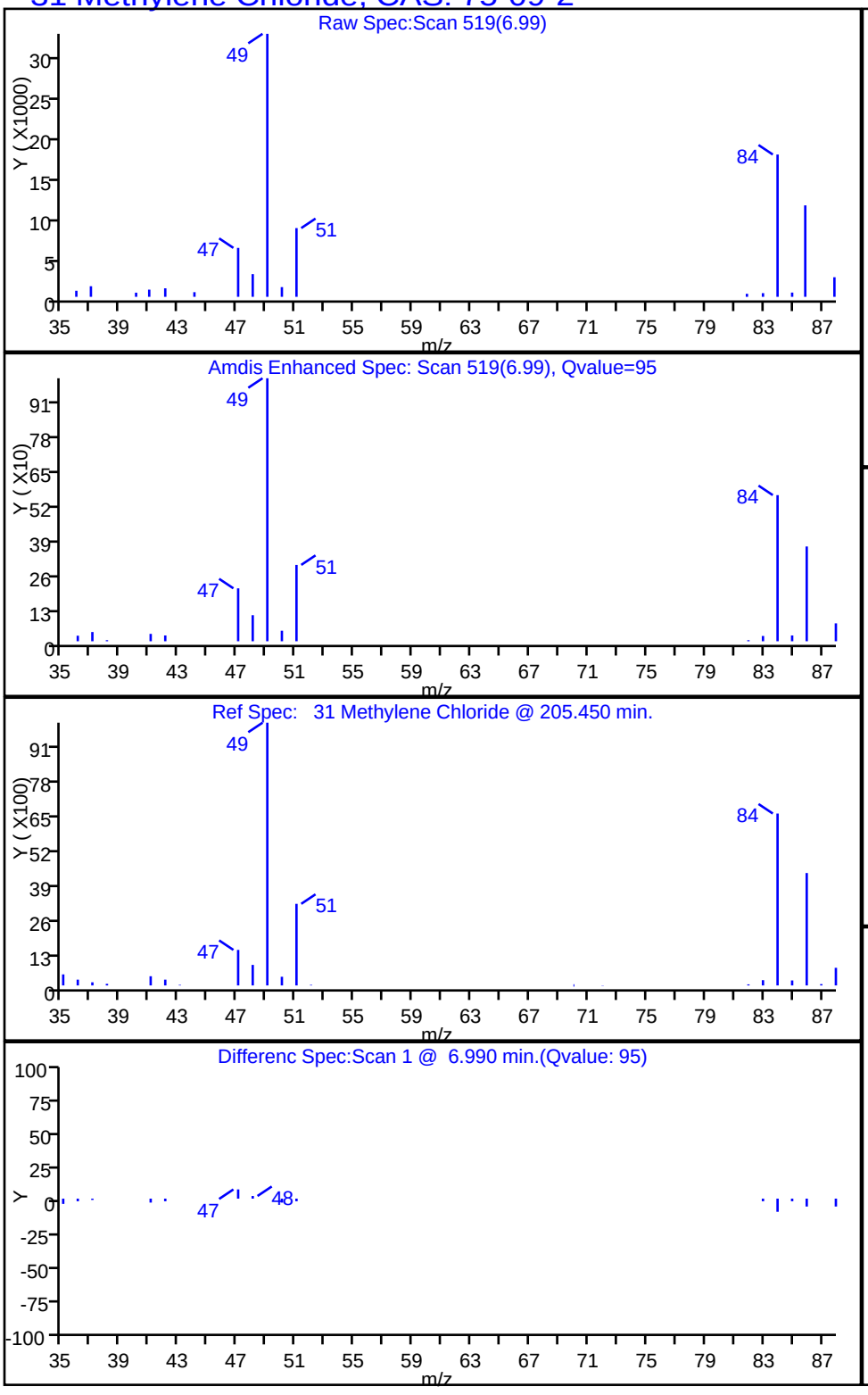


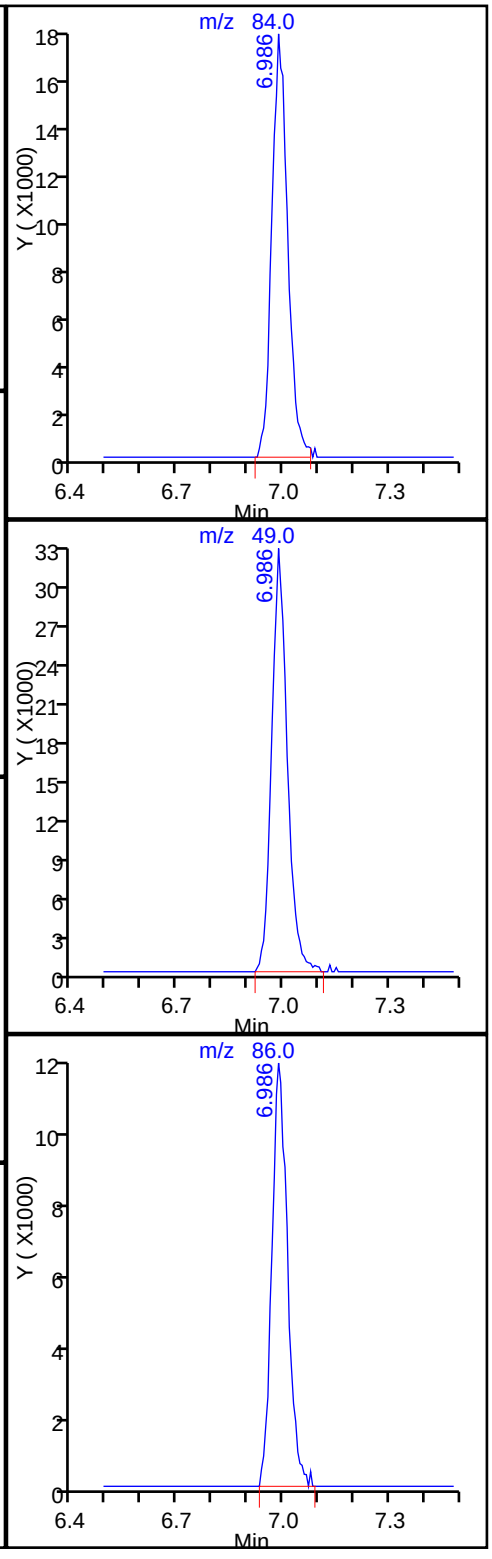
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13		
Client ID:	B9-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



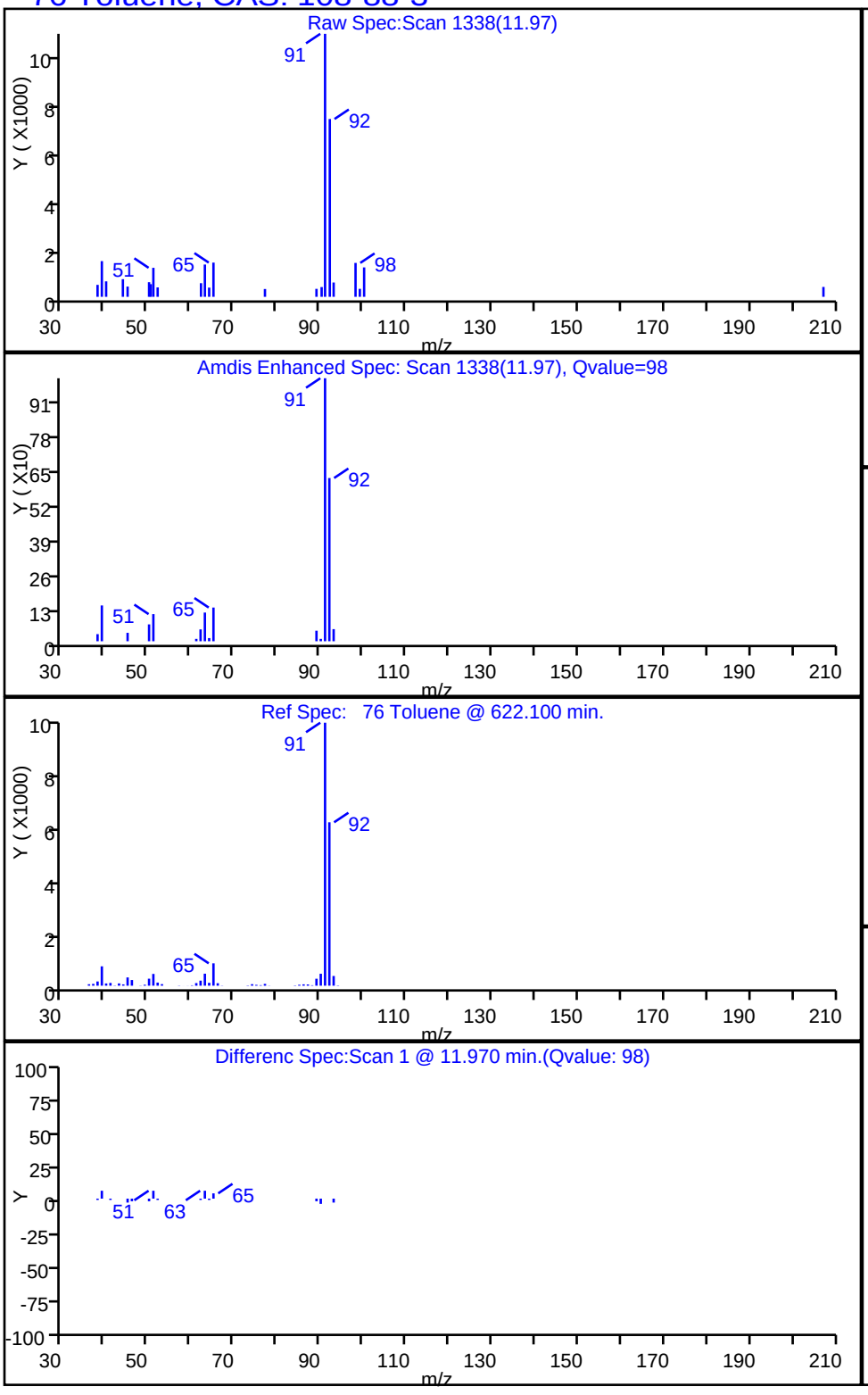


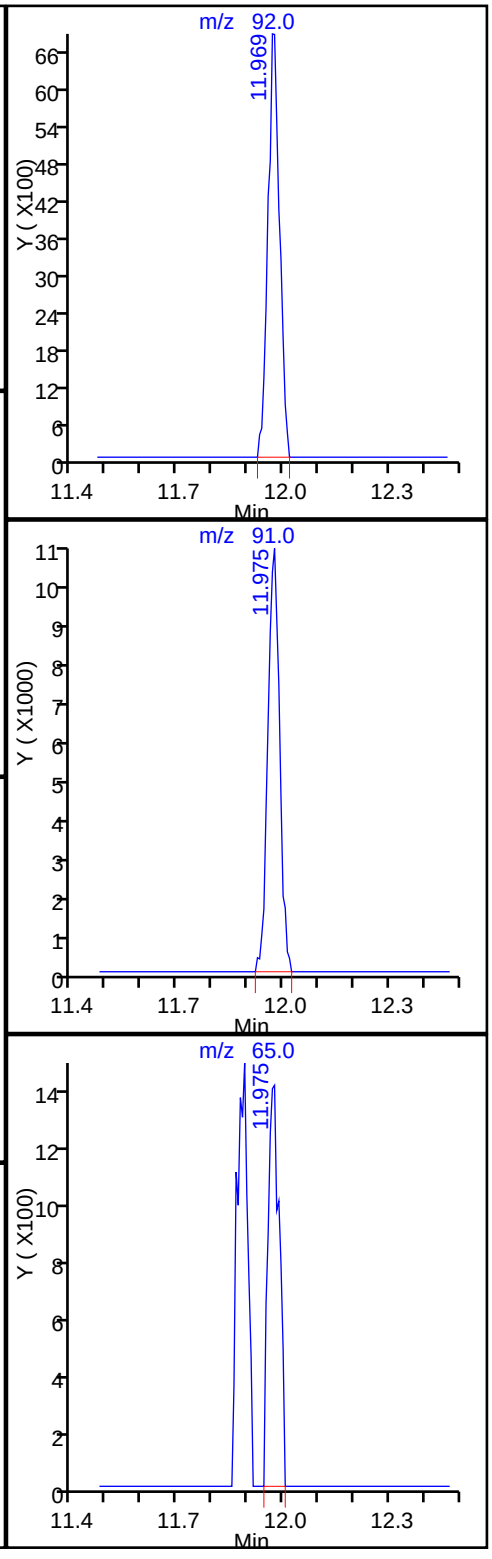
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13
Client ID:	B9-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	7 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

76 Toluene, CAS: 108-88-3



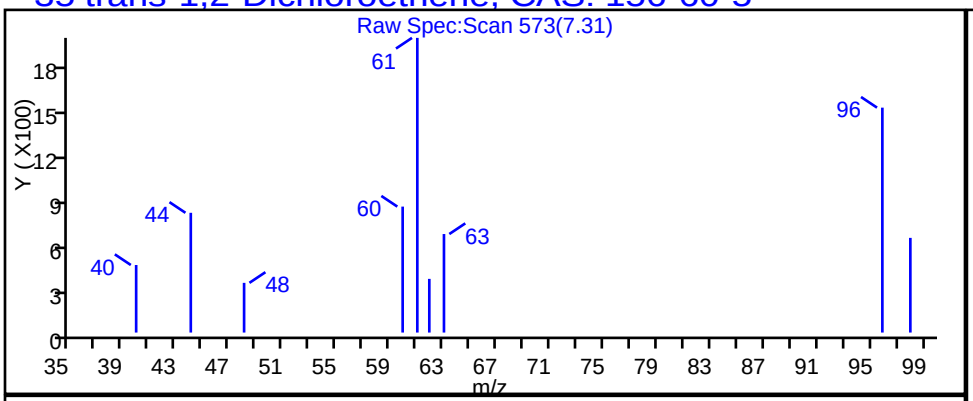


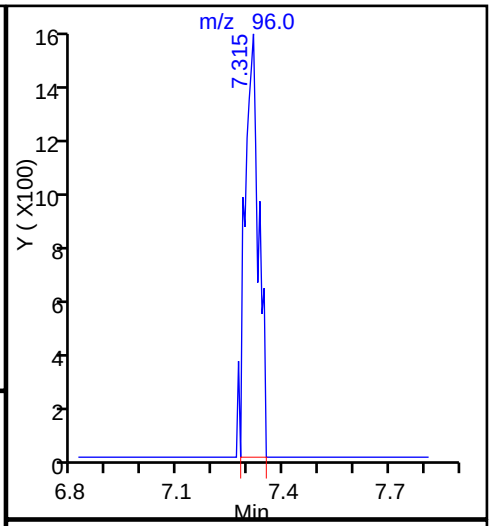
TestAmerica Buffalo

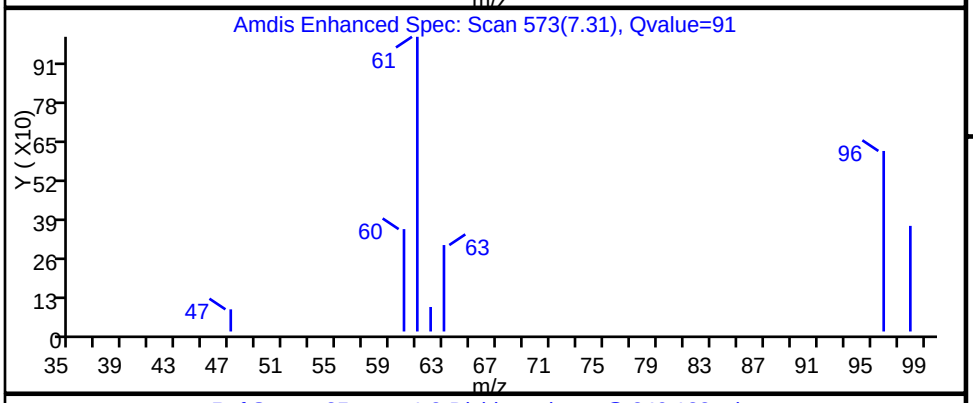
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

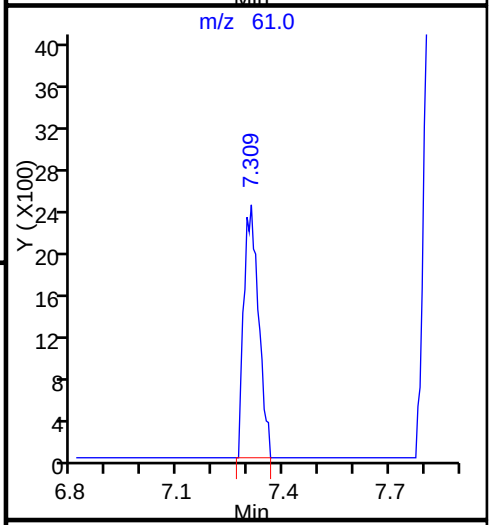
Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13		
Client ID:	B9-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

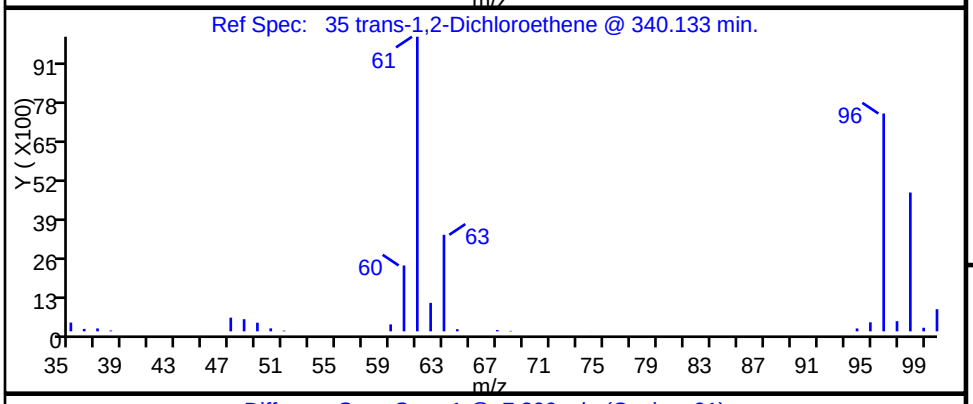
35 trans-1,2-Dichloroethene, CAS: 156-60-5

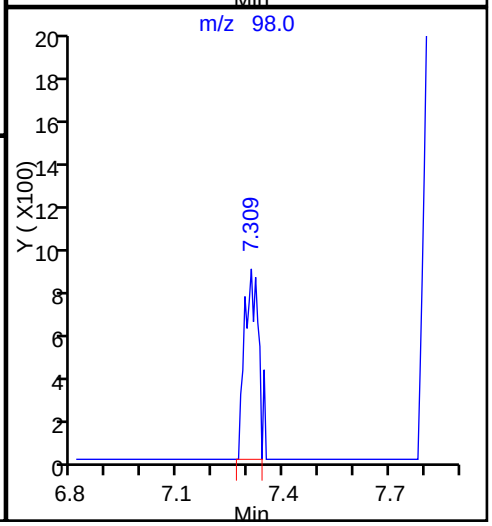


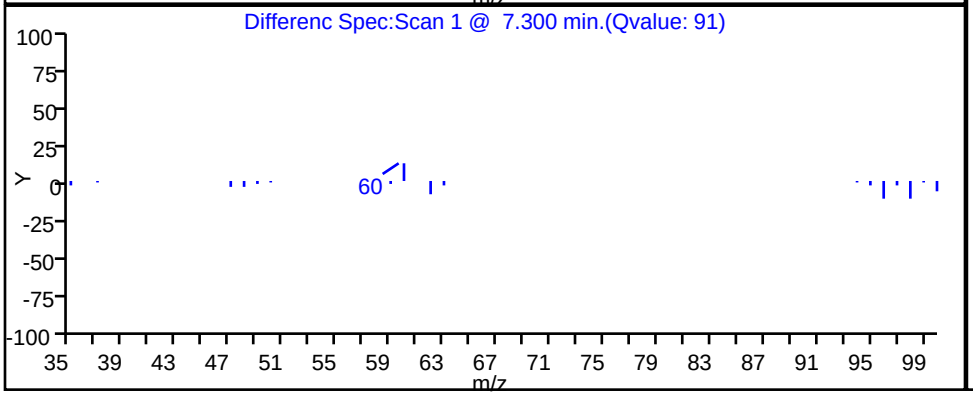










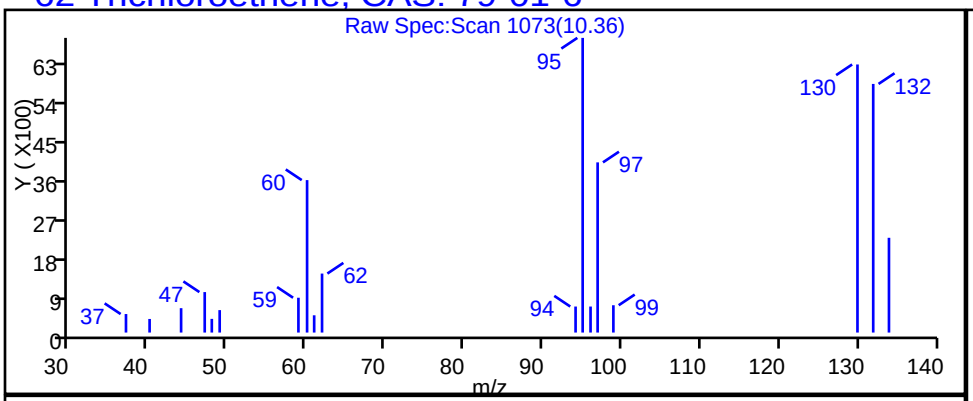


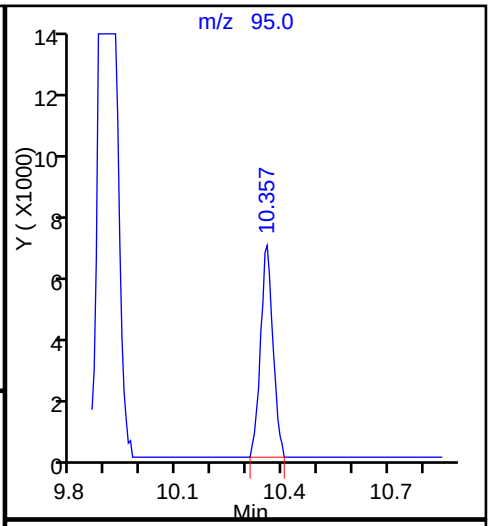
TestAmerica Buffalo

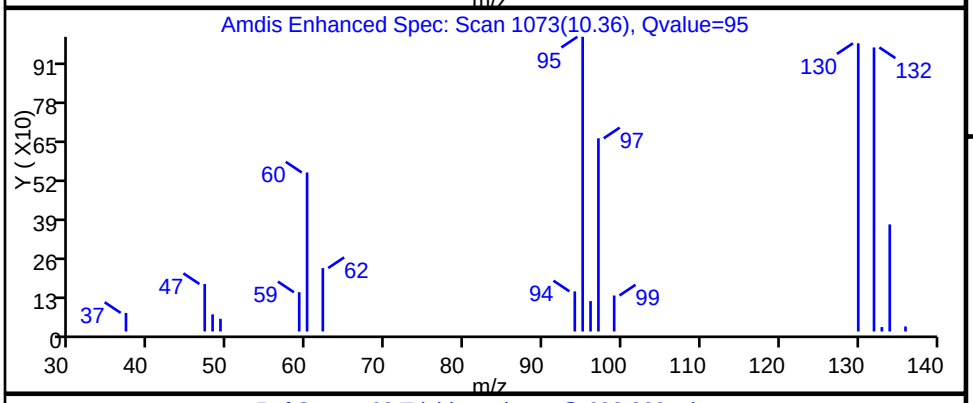
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

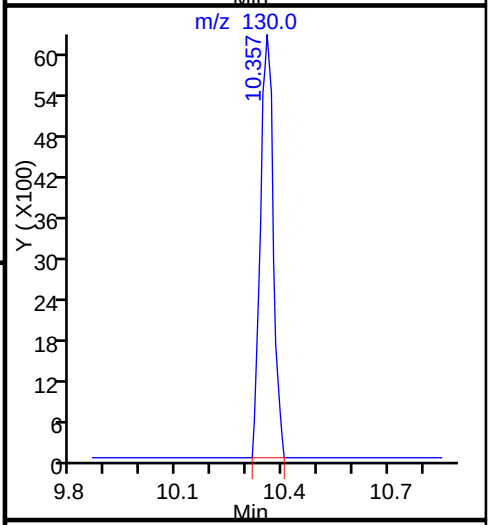
Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13		
Client ID:	B9-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

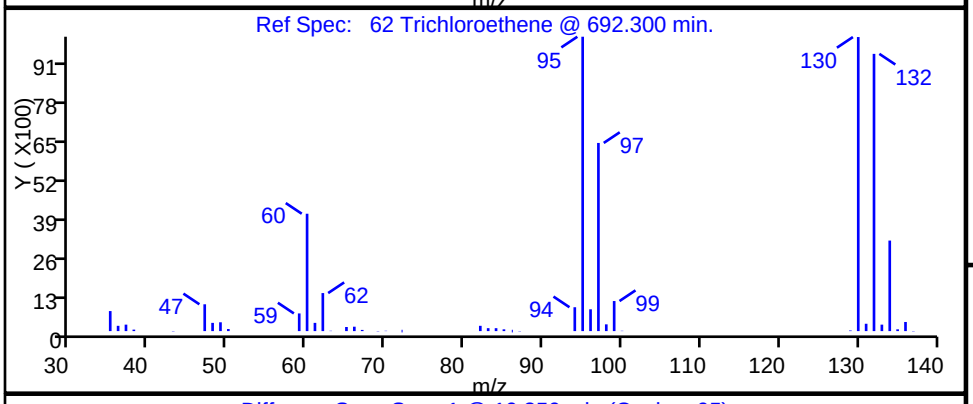
62 Trichloroethene, CAS: 79-01-6

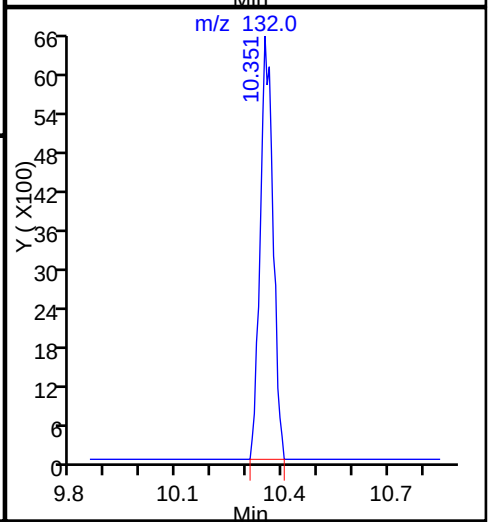


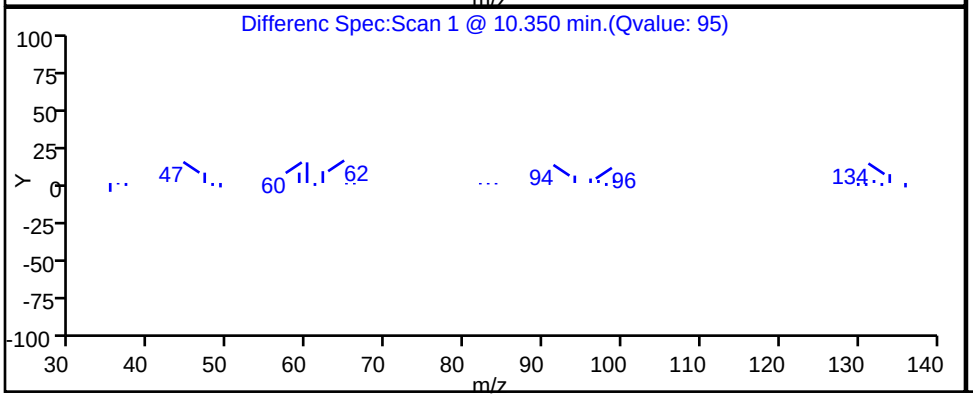










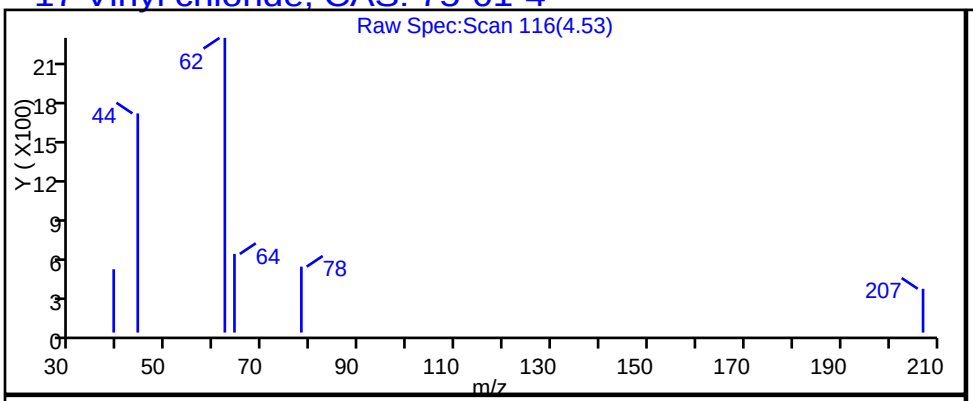


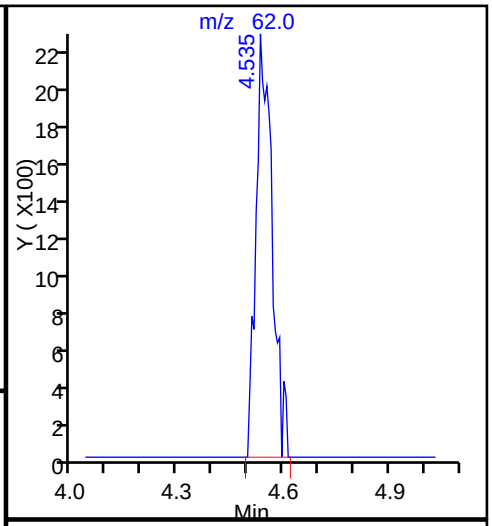
TestAmerica Buffalo

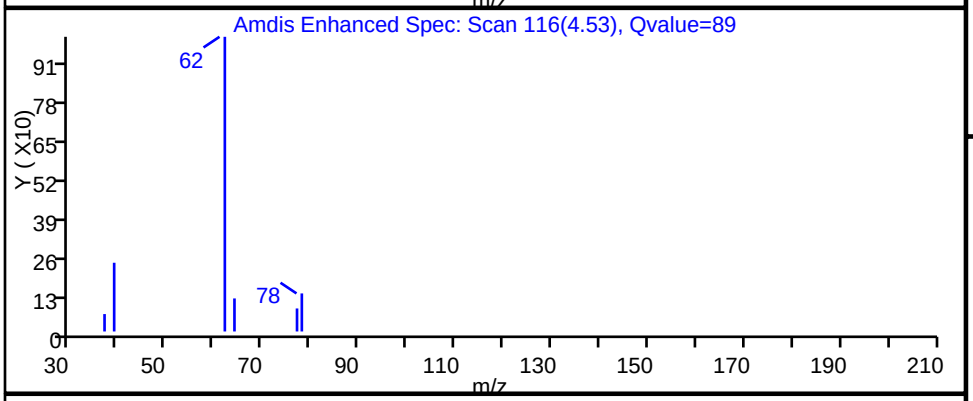
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2278.D

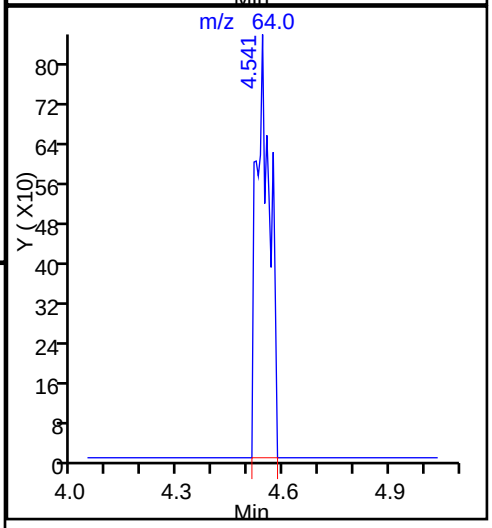
Injection Date:	11-Dec-2015 18:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-13-B	Lab Sample ID:	480-92213-13		
Client ID:	B9-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

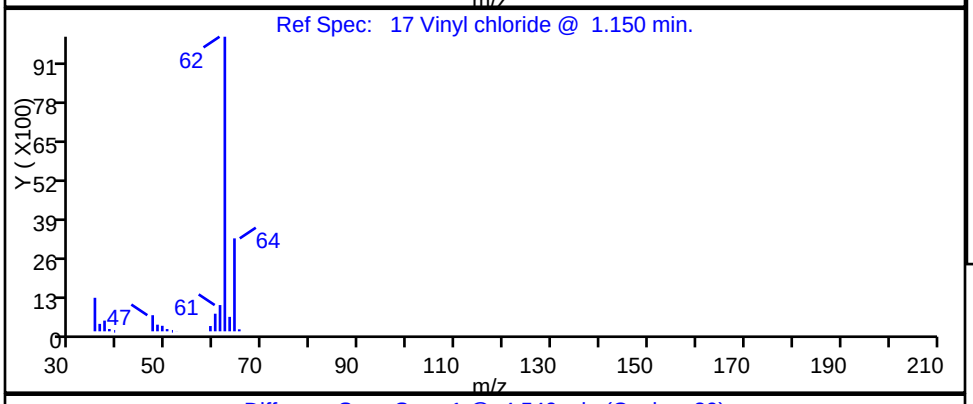
17 Vinyl chloride, CAS: 75-01-4

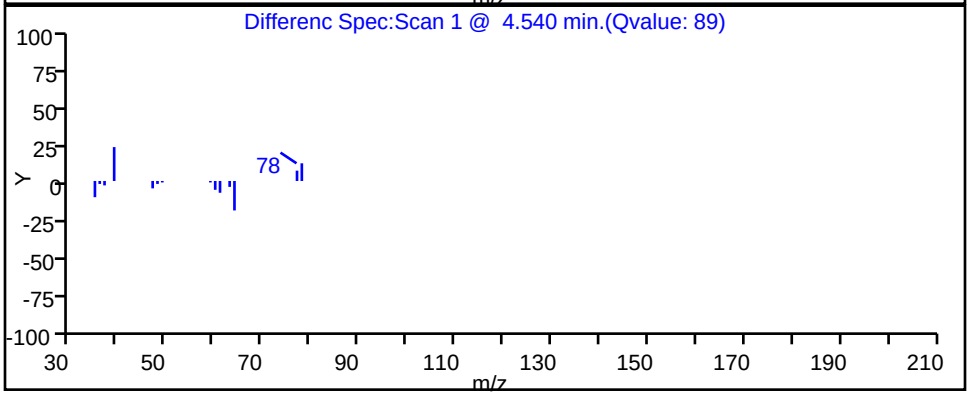












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S2 | Lab Sample ID: 480-92213-14

Matrix: Solid | Lab File ID: P2261.D

Analysis Method: 8260C | Date Collected: 12/04/2015 14:10

Sample wt/vol: 5(g) | Date Analyzed: 12/11/2015 07:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	6.4	0.47
79-34-5	1,1,2,2-Tetrachloroethane	ND	* F1 F2	6.4	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	F1	6.4	1.5
79-00-5	1,1,2-Trichloroethane	ND	* F1	6.4	0.84
75-34-3	1,1-Dichloroethane	24	F1	6.4	0.78
75-35-4	1,1-Dichloroethene	ND		6.4	0.79
120-82-1	1,2,4-Trichlorobenzene	ND	* F1	6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	ND	* F1	6.4	3.2
106-93-4	1,2-Dibromoethane	ND	* F1	6.4	0.83
95-50-1	1,2-Dichlorobenzene	ND	* F1	6.4	0.50
107-06-2	1,2-Dichloroethane	ND	F1	6.4	0.32
78-87-5	1,2-Dichloropropane	ND	F1	6.4	3.2
541-73-1	1,3-Dichlorobenzene	ND	* F1	6.4	0.33
106-46-7	1,4-Dichlorobenzene	ND	* F1	6.4	0.90
78-93-3	2-Butanone (MEK)	12	J F1	32	2.4
591-78-6	2-Hexanone	ND	* F1	32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	* F1	32	2.1
67-64-1	Acetone	340	F1 B	32	5.4
71-43-2	Benzene	ND	F1	6.4	0.32
75-27-4	Bromodichloromethane	ND	F1	6.4	0.86
75-25-2	Bromoform	ND	* F1	6.4	3.2
74-83-9	Bromomethane	ND		6.4	0.58
75-15-0	Carbon disulfide	ND	F1	6.4	3.2
56-23-5	Carbon tetrachloride	ND	F1	6.4	0.62
108-90-7	Chlorobenzene	ND	* F1	6.4	0.85
75-00-3	Chloroethane	ND		6.4	1.5
67-66-3	Chloroform	ND	F1	6.4	0.40
74-87-3	Chloromethane	ND		6.4	0.39
156-59-2	cis-1,2-Dichloroethene	75	F1	6.4	0.82
10061-01-5	cis-1,3-Dichloropropene	ND	F1	6.4	0.93
110-82-7	Cyclohexane	ND	F1	6.4	0.90
124-48-1	Dibromochloromethane	ND	* F1	6.4	0.82
75-71-8	Dichlorodifluoromethane	ND		6.4	0.53
100-41-4	Ethylbenzene	ND	* F1	6.4	0.44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S2 | Lab Sample ID: 480-92213-14

Matrix: Solid | Lab File ID: P2261.D

Analysis Method: 8260C | Date Collected: 12/04/2015 14:10

Sample wt/vol: 5(g) | Date Analyzed: 12/11/2015 07:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND	* F1 F2	6.4	0.97
79-20-9	Methyl acetate	ND		6.4	3.9
1634-04-4	Methyl tert-butyl ether	ND		6.4	0.63
108-87-2	Methylcyclohexane	ND	F1	6.4	0.98
75-09-2	Methylene Chloride	41	F1	6.4	3.0
100-42-5	Styrene	ND	* F1	6.4	0.32
127-18-4	Tetrachloroethene	7.5	* F1	6.4	0.86
108-88-3	Toluene	ND	* F1	6.4	0.49
156-60-5	trans-1,2-Dichloroethene	ND	F1	6.4	0.66
10061-02-6	trans-1,3-Dichloropropene	ND	* F1	6.4	2.8
79-01-6	Trichloroethene	59	F1	6.4	1.4
75-69-4	Trichlorofluoromethane	ND		6.4	0.61
75-01-4	Vinyl chloride	ND		6.4	0.78
1330-20-7	Xylenes, Total	ND	F1	13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		64-126
460-00-4	4-Bromofluorobenzene (Surr)	68	* X	72-126
2037-26-5	Toluene-d8 (Surr)	131	* X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D
Lims ID: 480-92213-A-14-D Lab Sample ID: 480-92213-14
Client ID: B9-AREA2-S2
Sample Type: Client
Inject. Date: 11-Dec-2015 07:49:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-14-D
Misc. Info.: 480-0049138-021
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 11:36:44 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 11:40:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.900	0.006	97	205598	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	277862	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.830	-0.007	97	129564	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	178842	56.3	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	797542	65.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	143167	33.8	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.346				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.252				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	95	96376	14.1	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	97	622487	264.2	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.773	6.773	0.000	98	23221	1.09	
31 Methylene Chloride	84	6.986	6.986	0.000	94	194884	31.6	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	238422	18.5	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	97	33397	9.61	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	85	364316	58.0	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.351	10.350	0.000	94	282329	46.0	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	91	22180	5.85	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.340				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

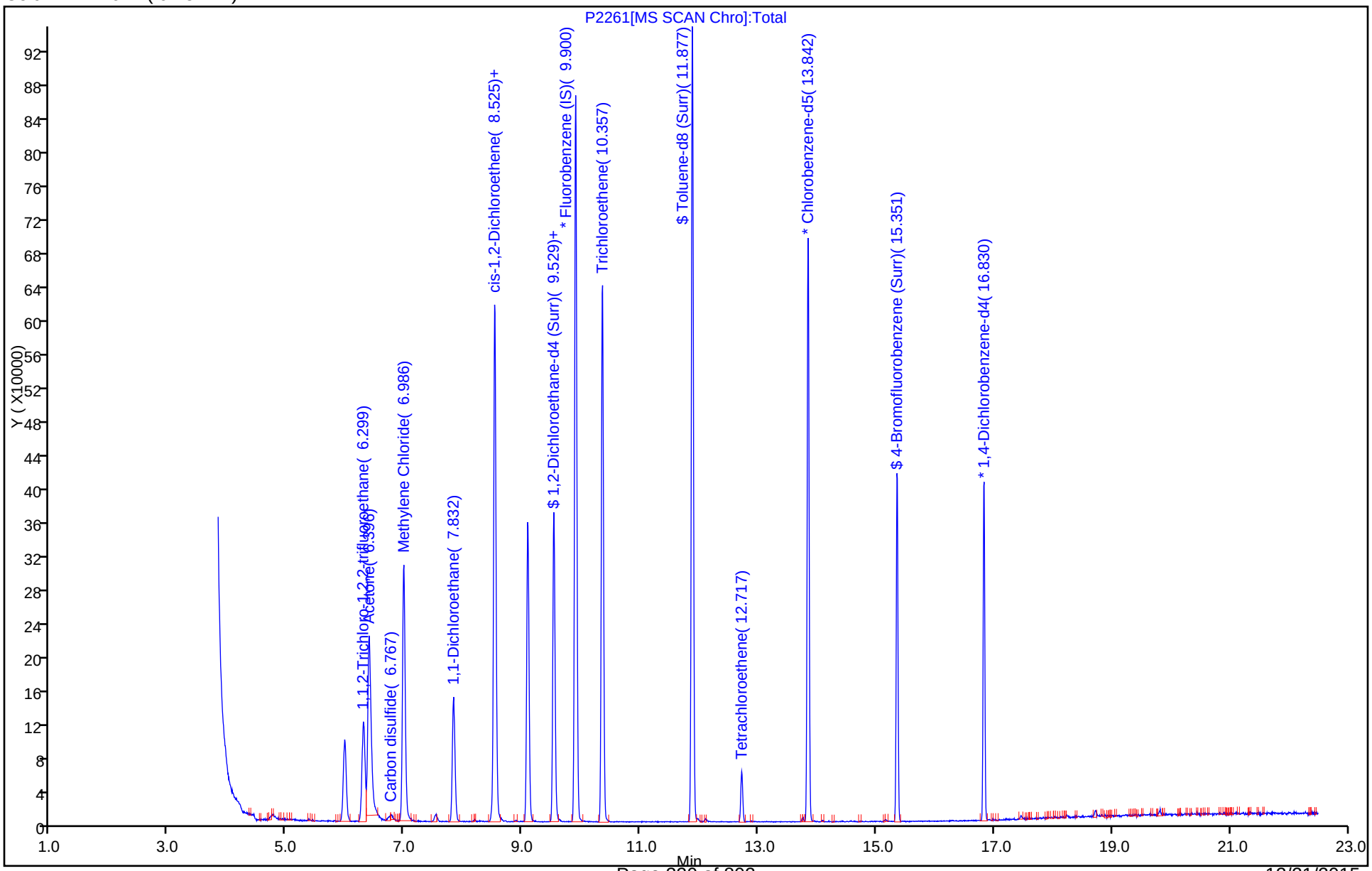
Report Date: 11-Dec-2015 11:40:24 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D

Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14	Worklist Smp#:	21
Client ID:	B9-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



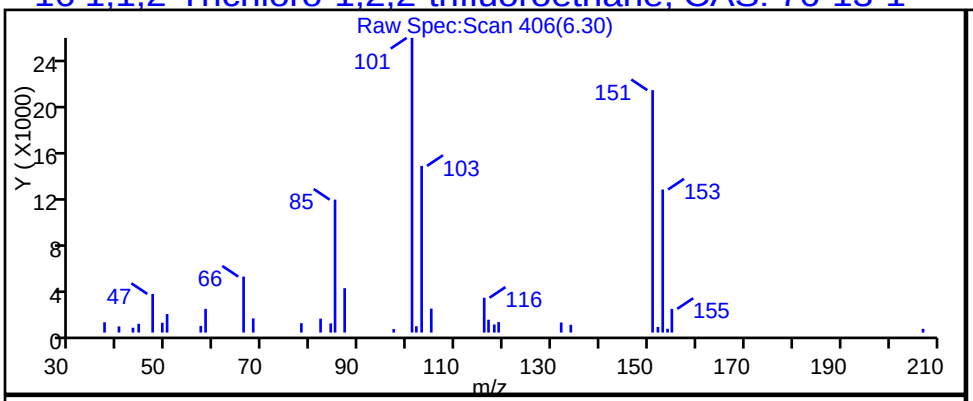
Report Date: 11-Dec-2015 11:40:24 Chrom Revision: 2.2 08-Oct-2015 07:17:48

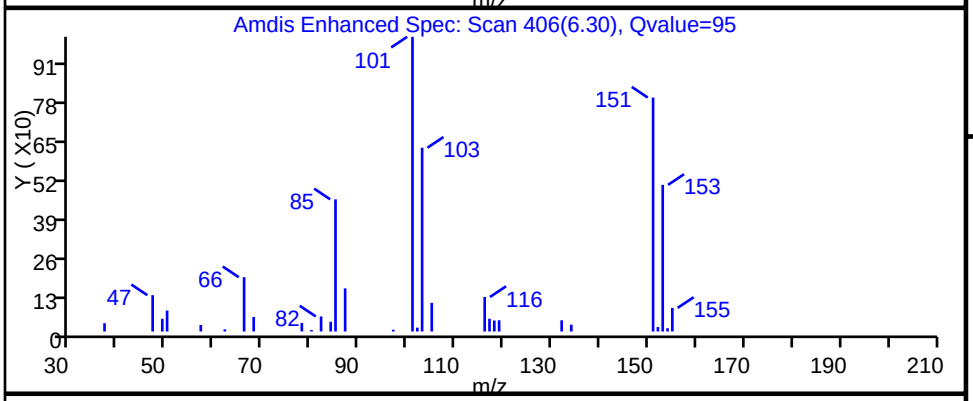
TestAmerica Buffalo

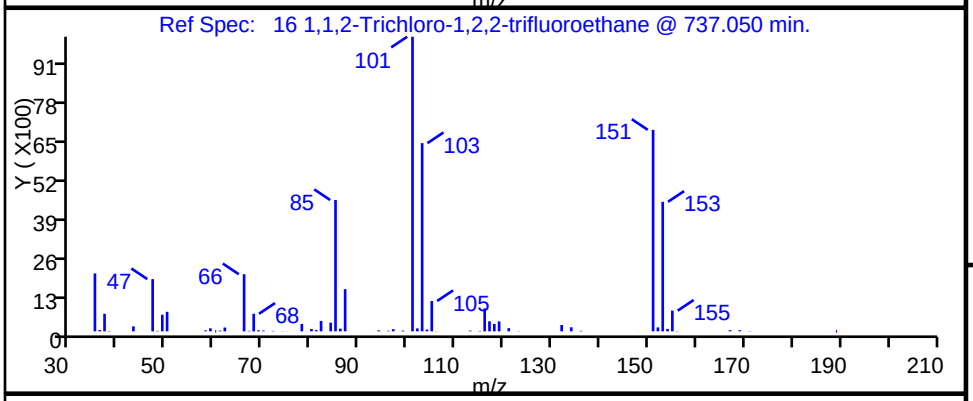
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D

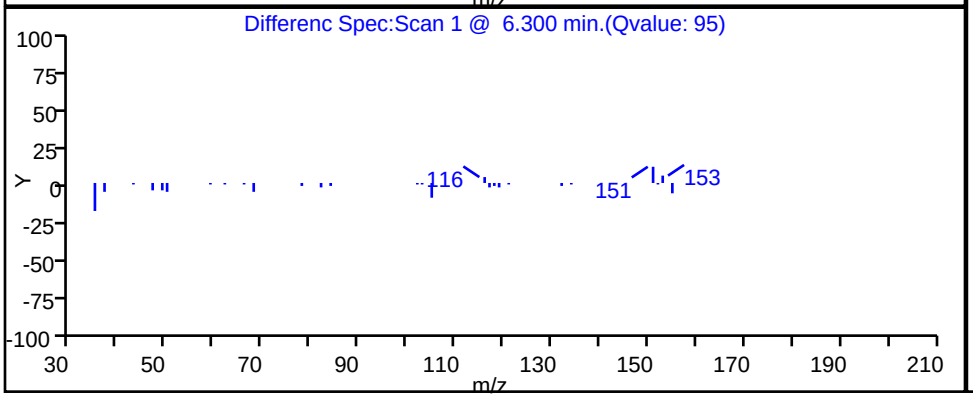
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

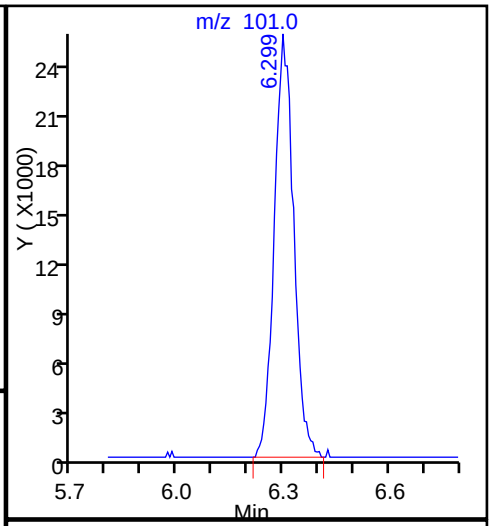
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

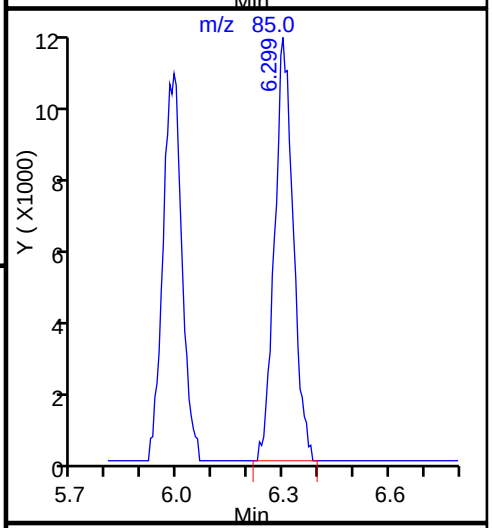


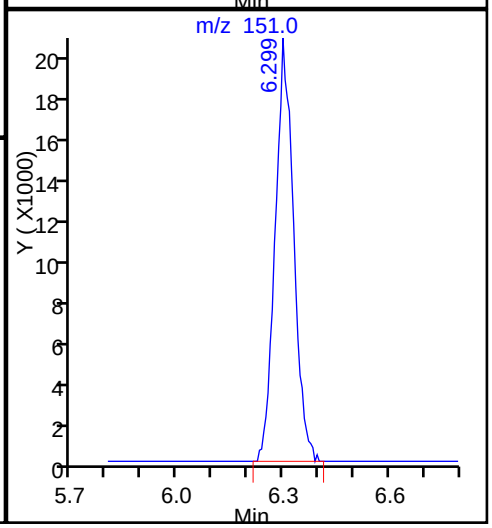










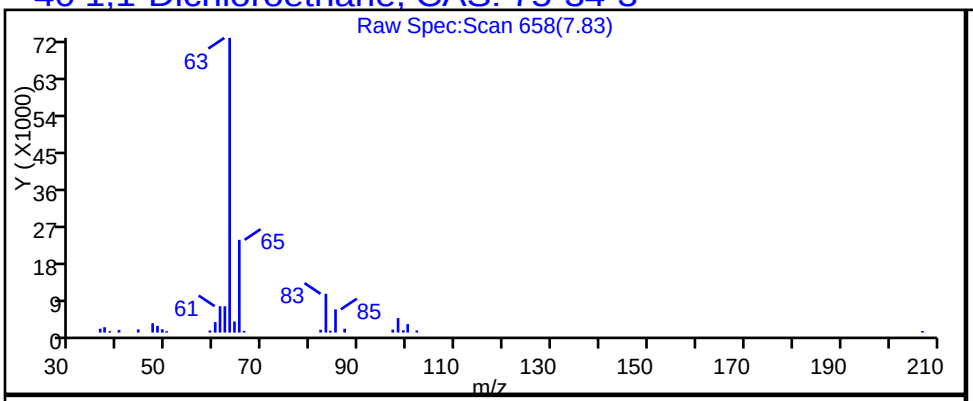


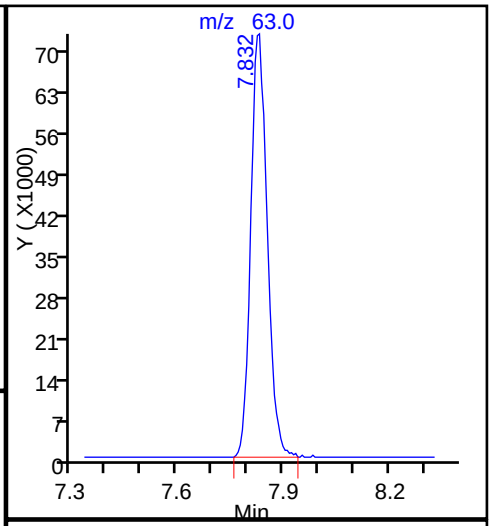
TestAmerica Buffalo

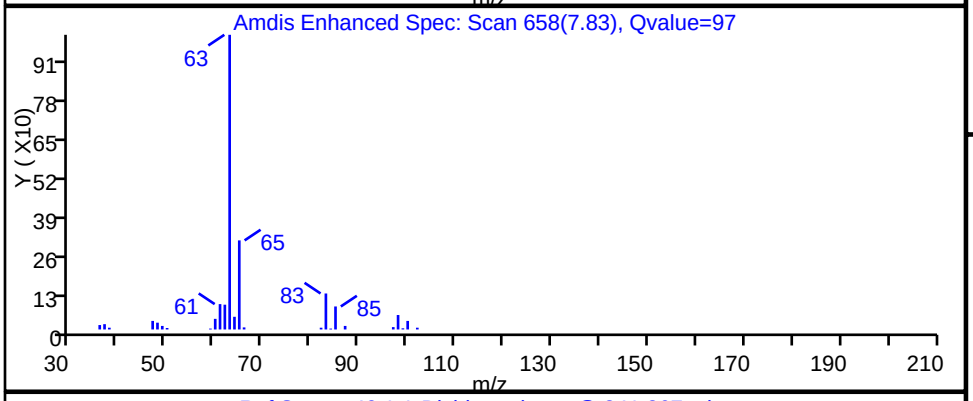
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D

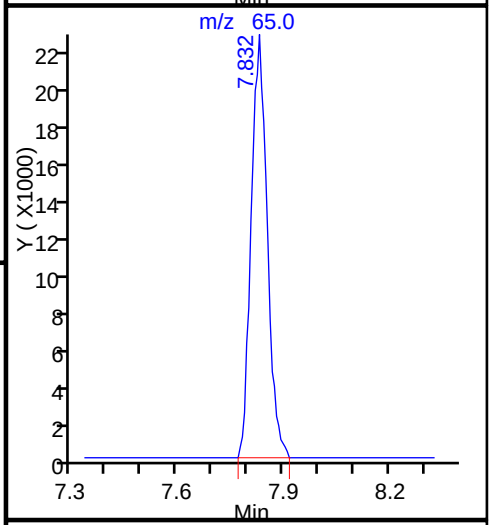
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

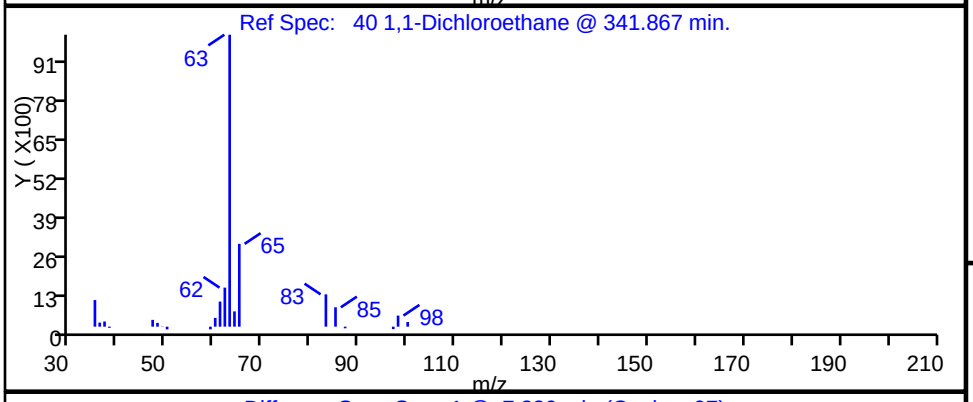
40 1,1-Dichloroethane, CAS: 75-34-3

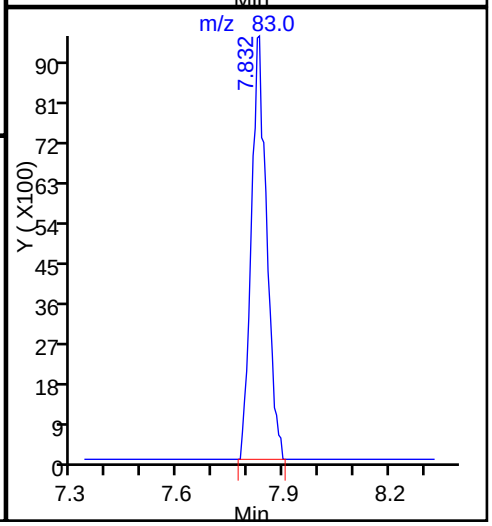


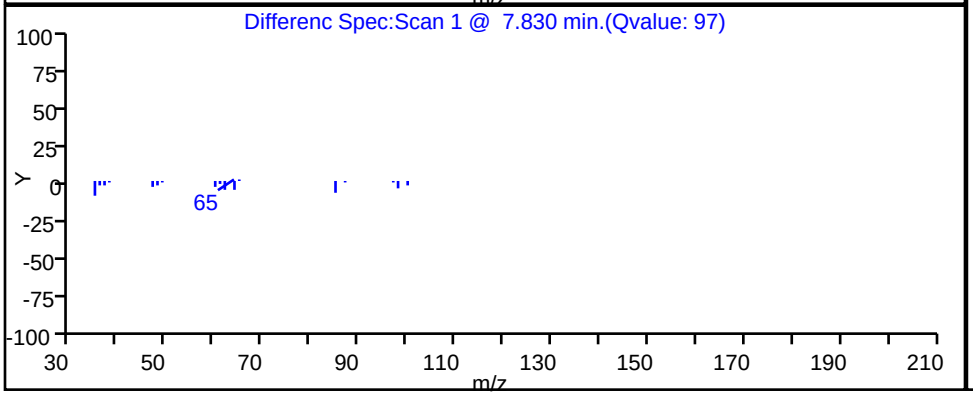












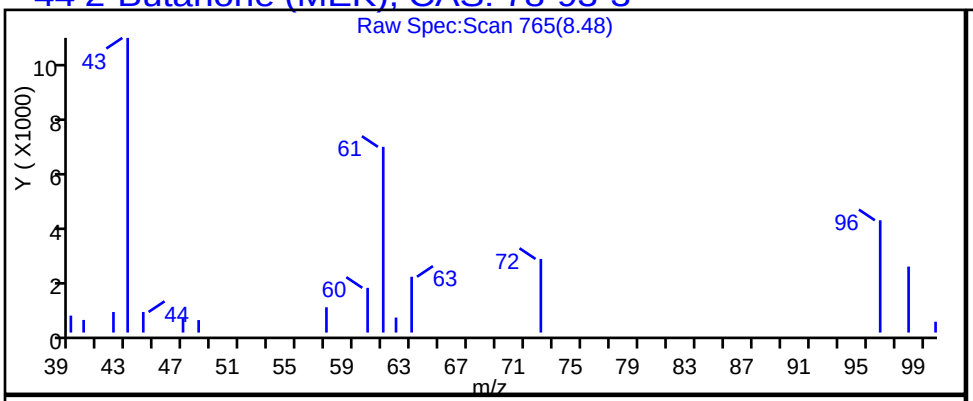
Report Date: 11-Dec-2015 11:40:24 Chrom Revision: 2.2 08-Oct-2015 07:17:48

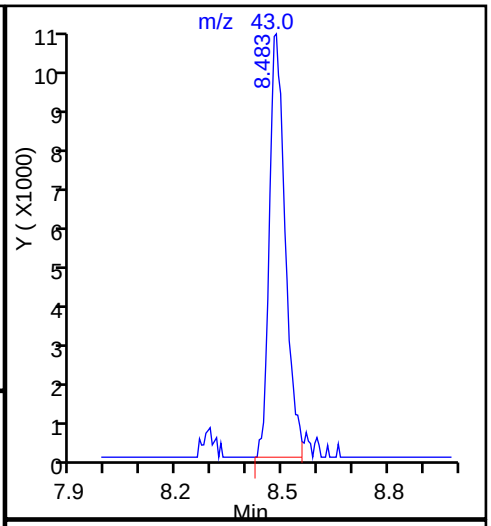
TestAmerica Buffalo

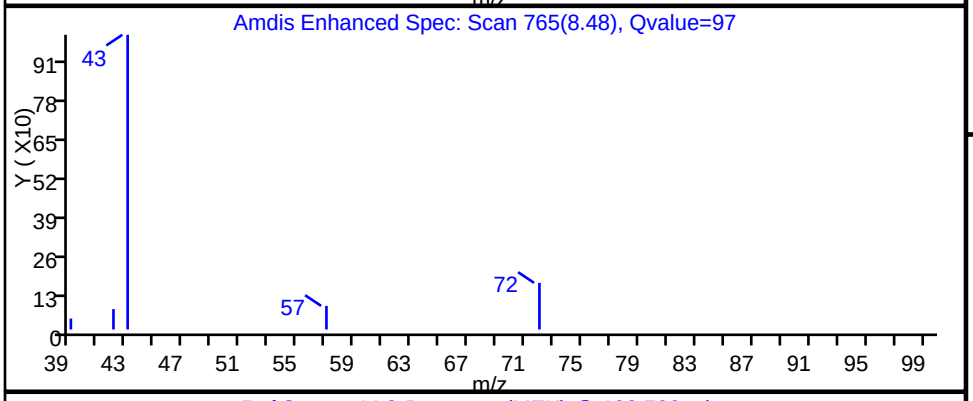
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D

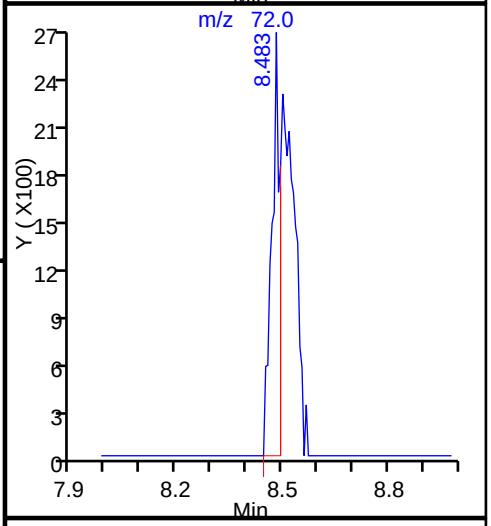
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

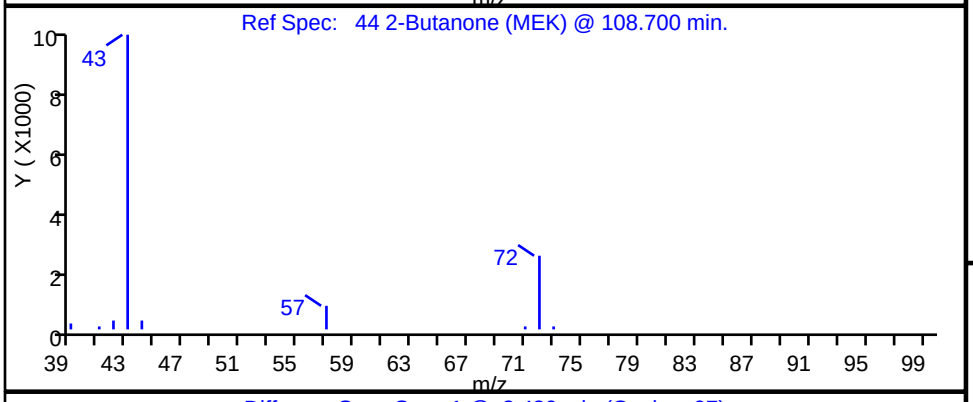
44 2-Butanone (MEK), CAS: 78-93-3

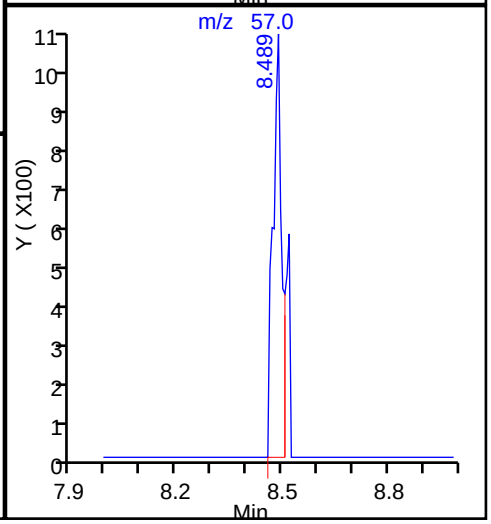


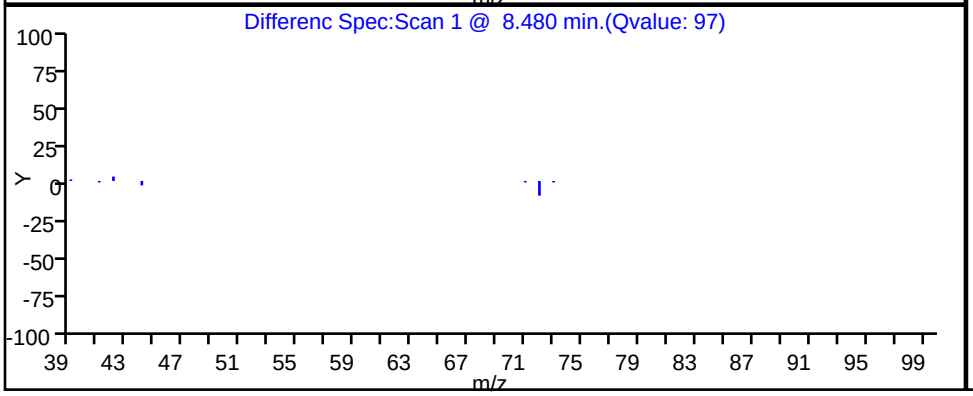










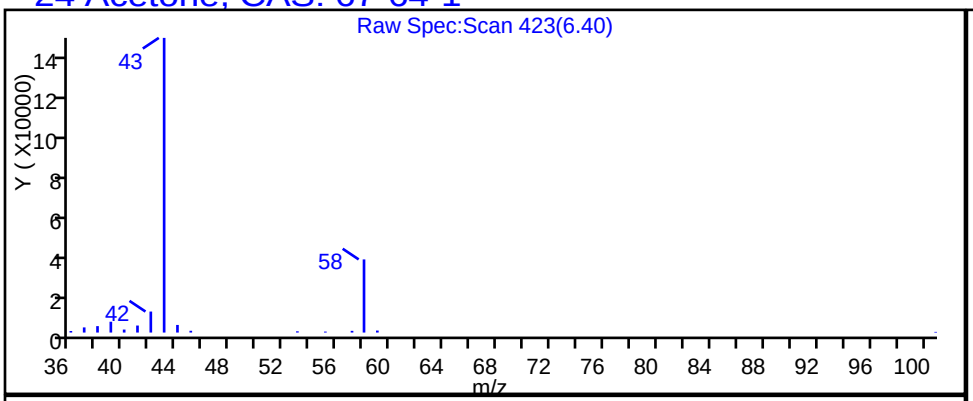


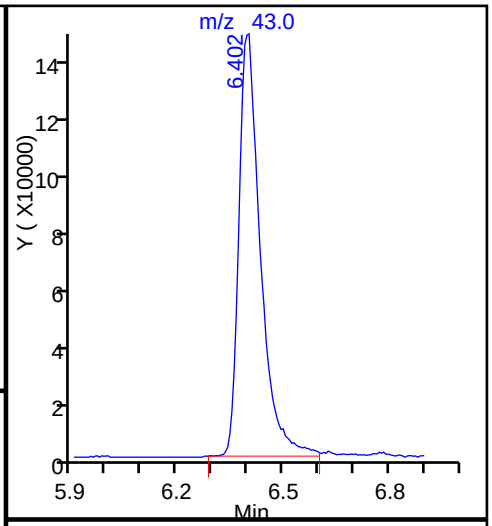
TestAmerica Buffalo

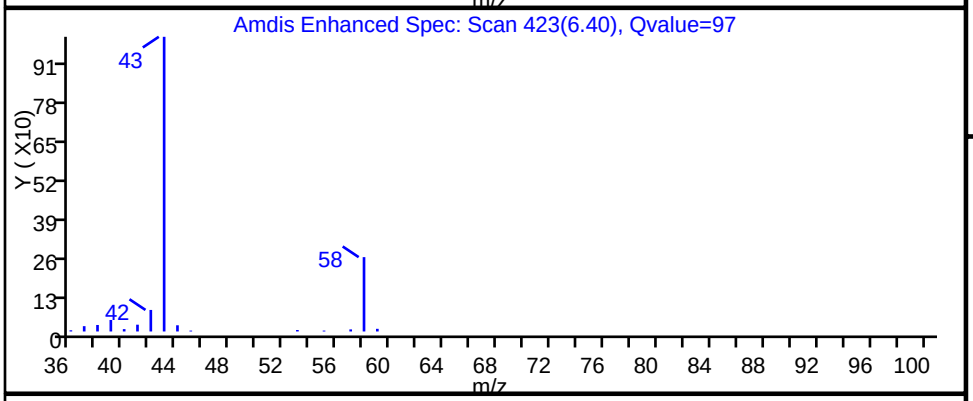
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D

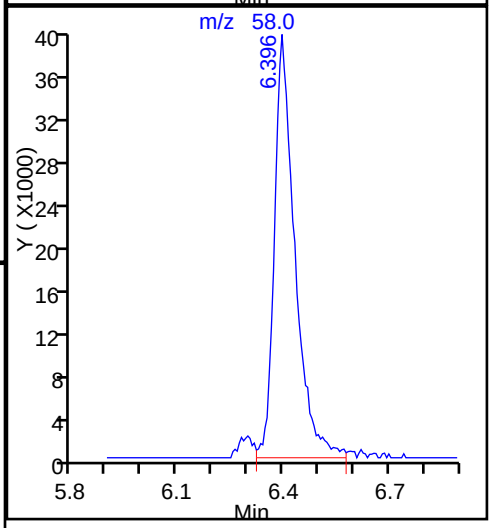
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

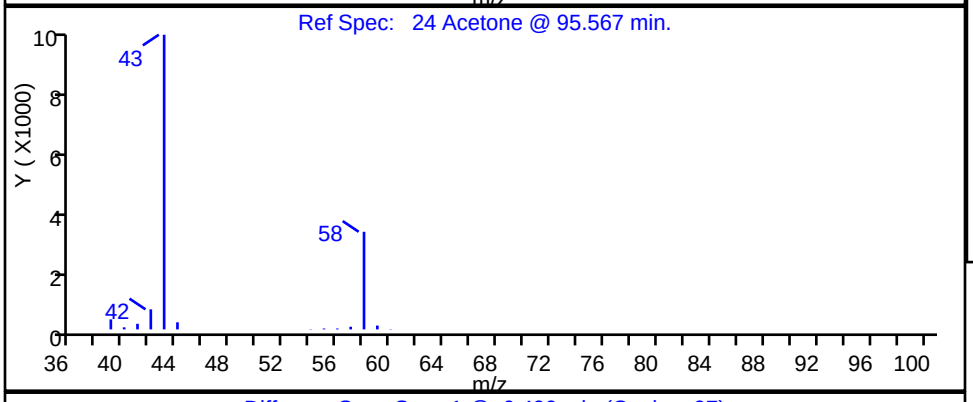
24 Acetone, CAS: 67-64-1

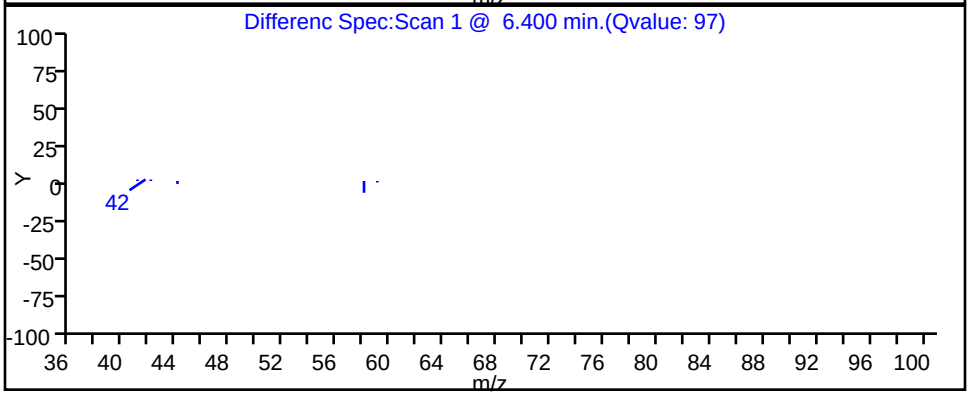








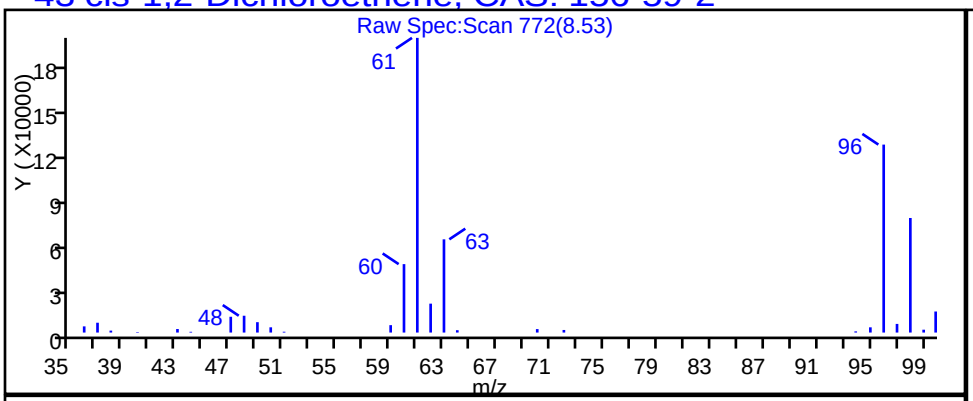


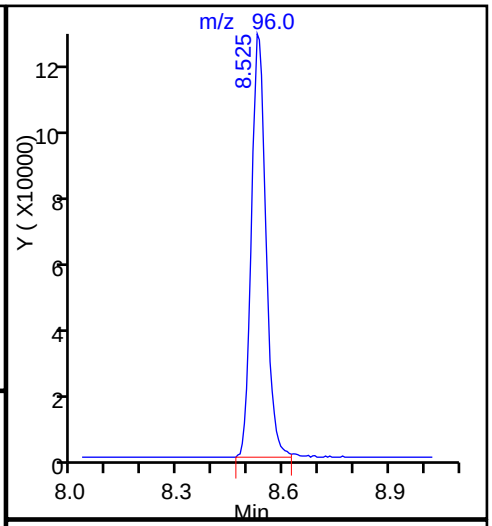


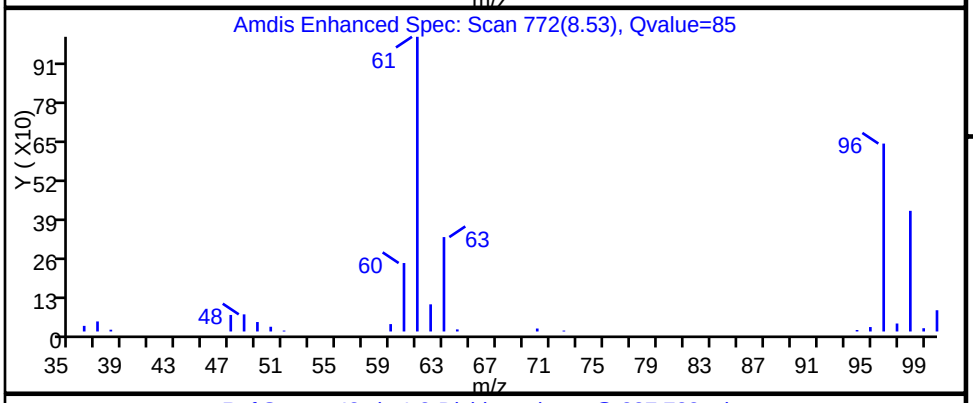
TestAmerica Buffalo

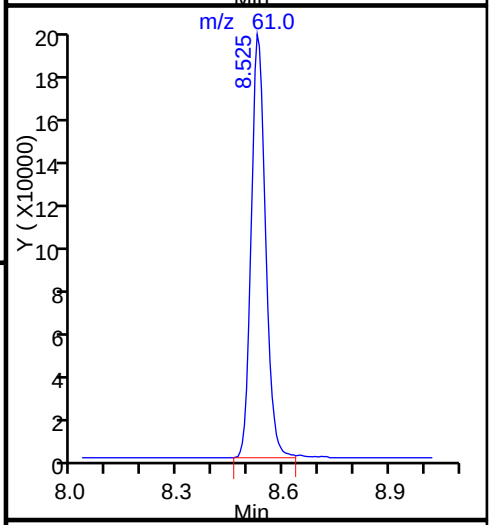
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D				
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

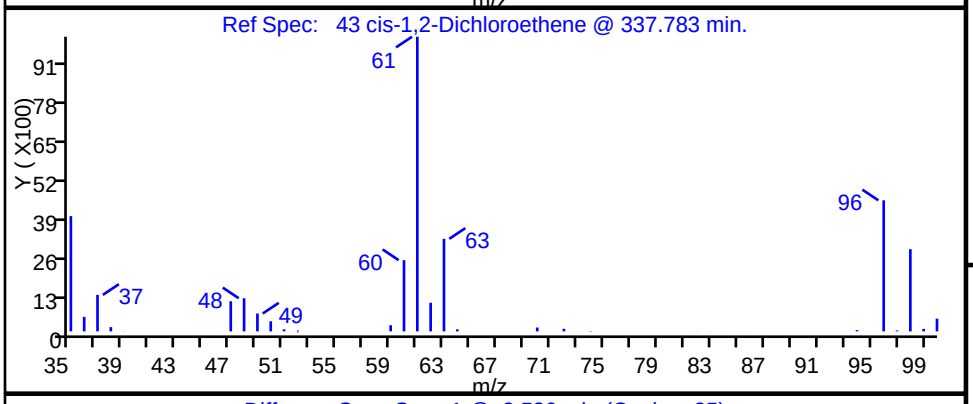
43 cis-1,2-Dichloroethene, CAS: 156-59-2

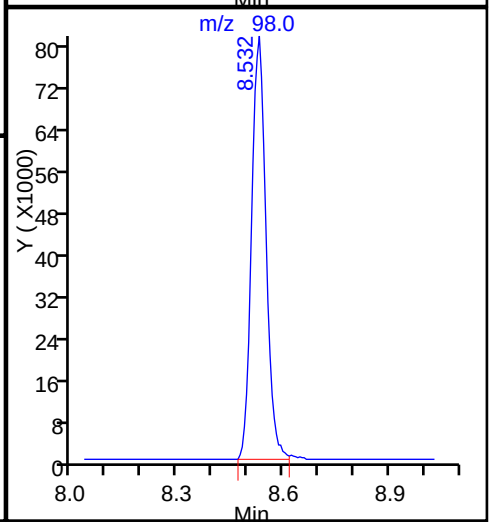


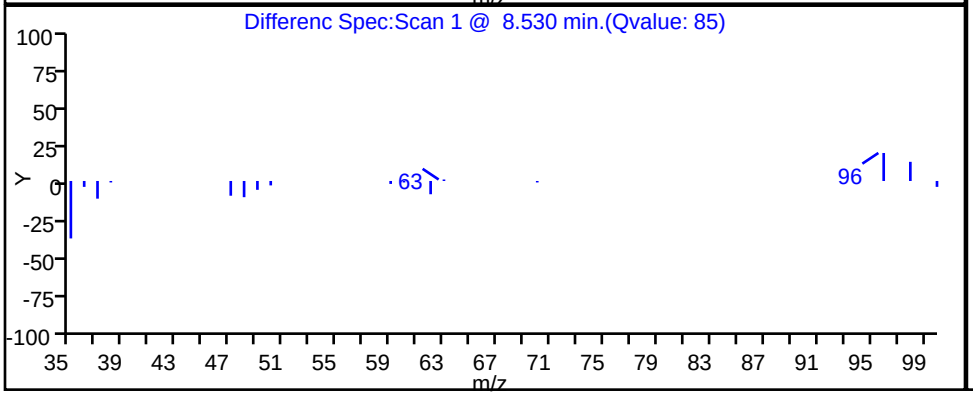












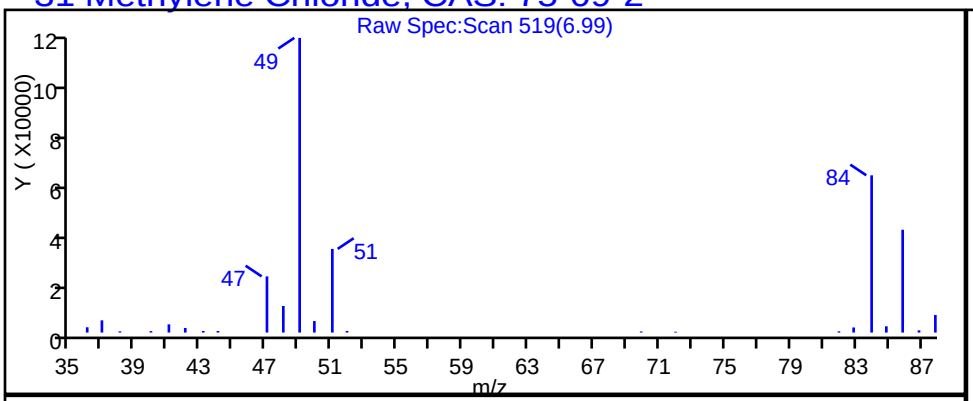
Report Date: 11-Dec-2015 11:40:24 Chrom Revision: 2.2 08-Oct-2015 07:17:48

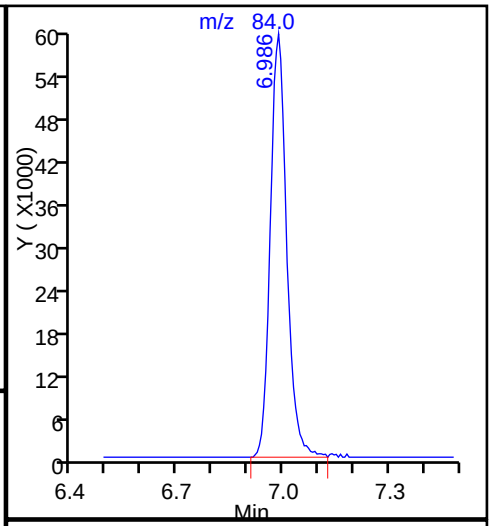
TestAmerica Buffalo

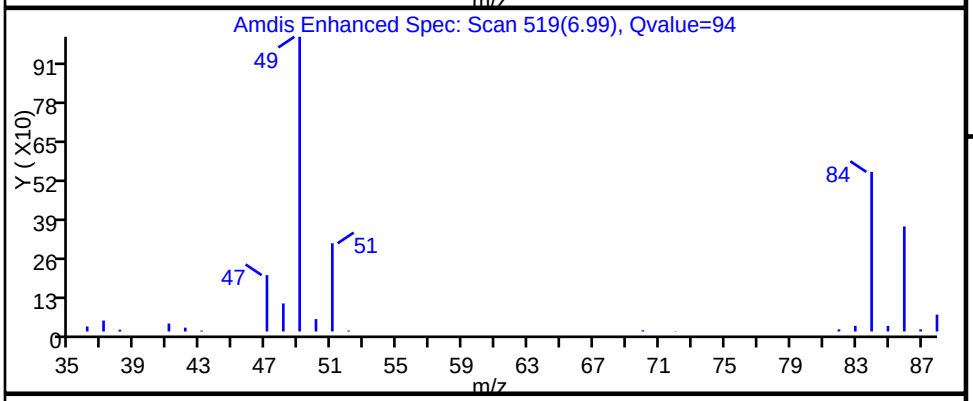
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D

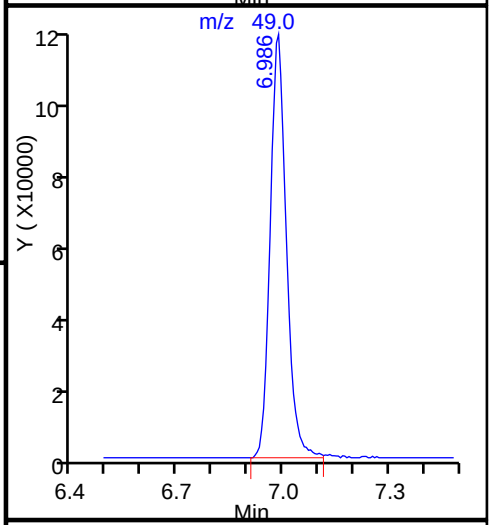
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

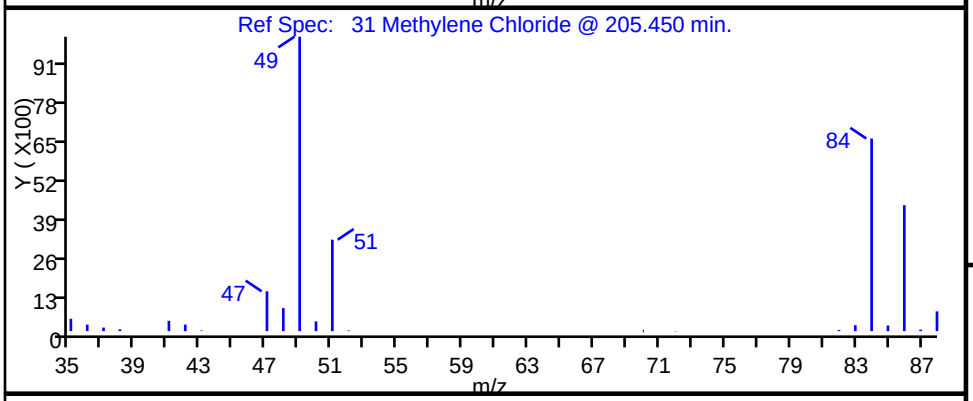
31 Methylene Chloride, CAS: 75-09-2

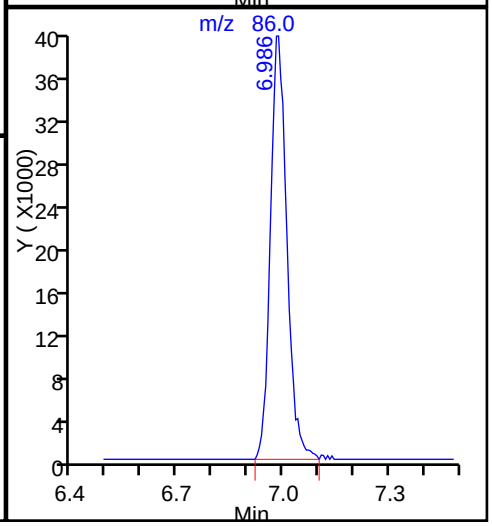


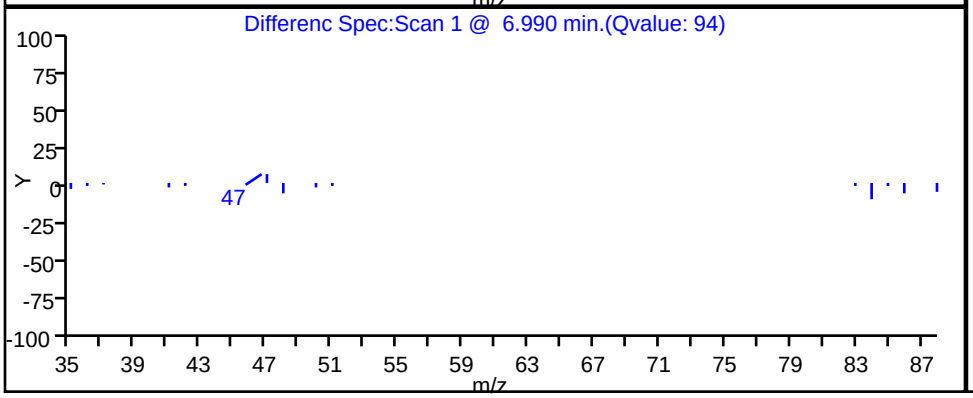










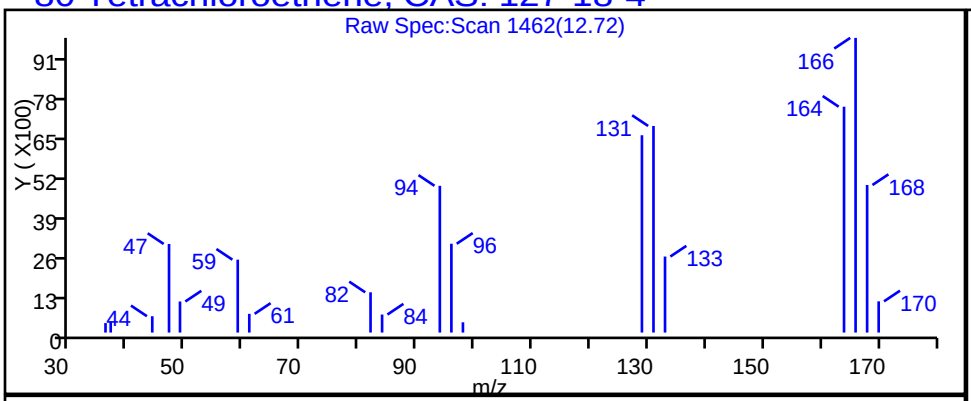


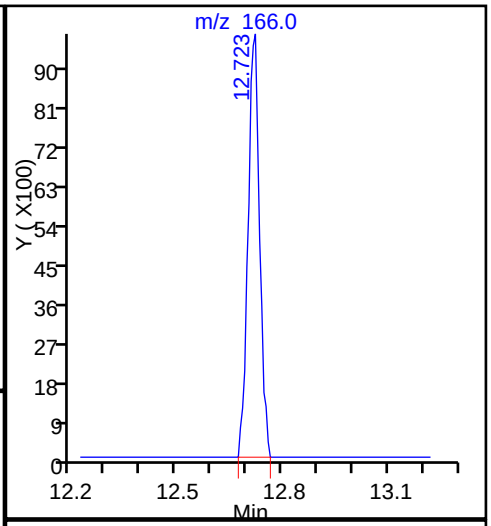
TestAmerica Buffalo

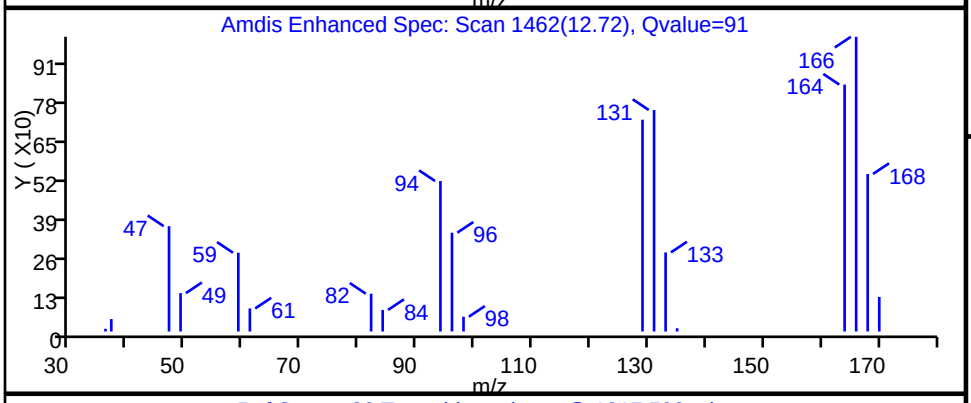
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D

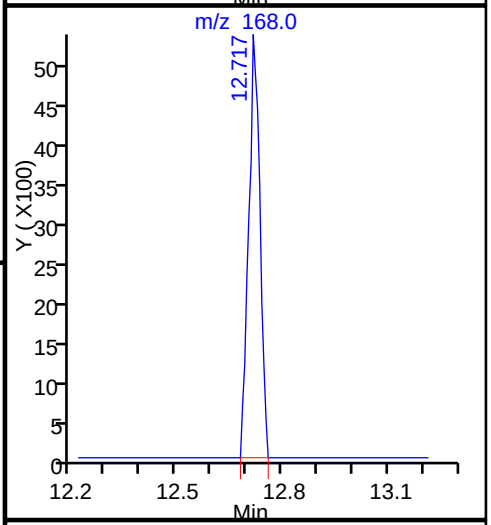
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

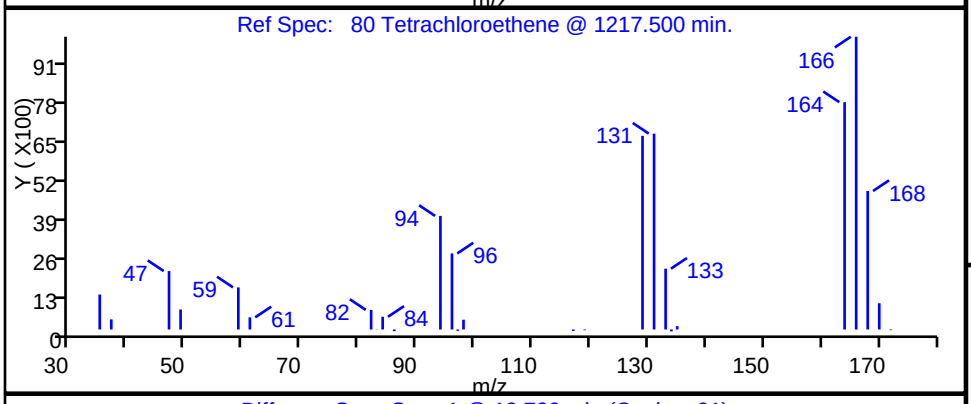
80 Tetrachloroethene, CAS: 127-18-4

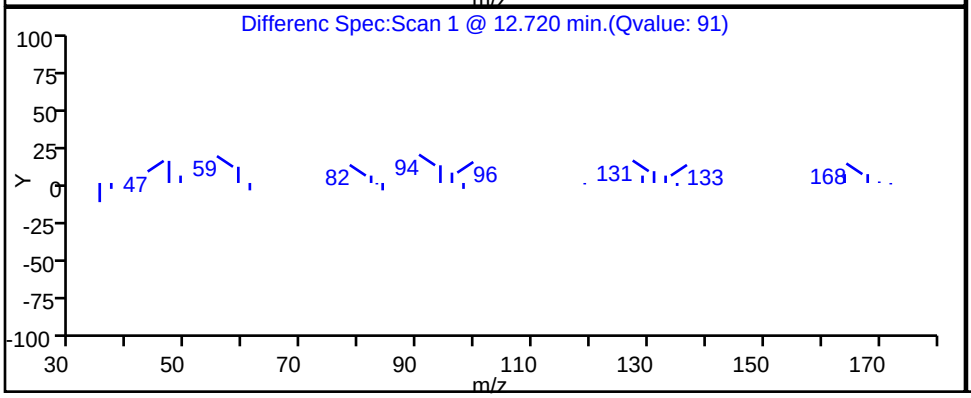


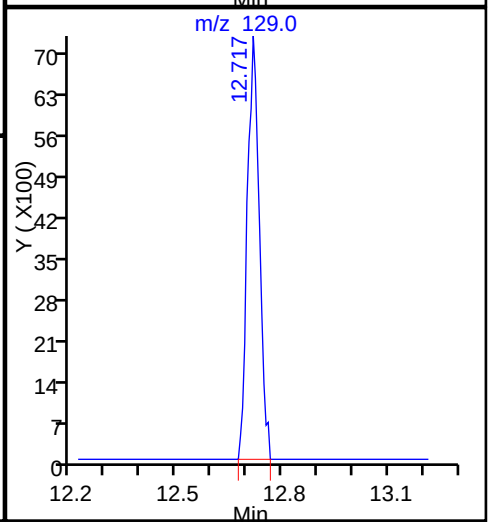








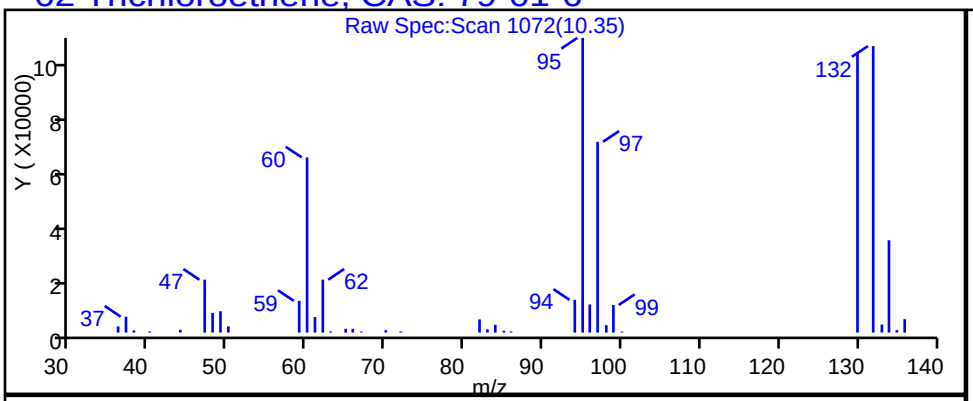


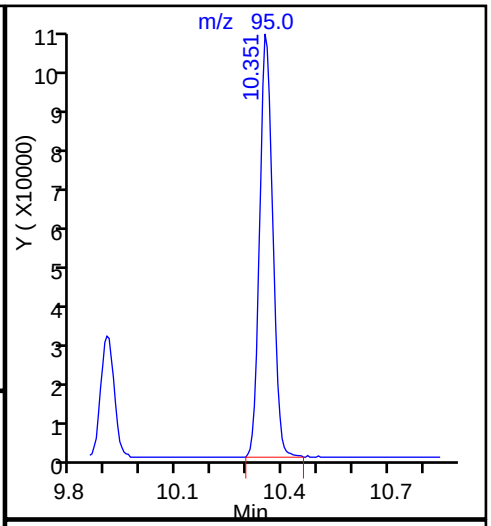


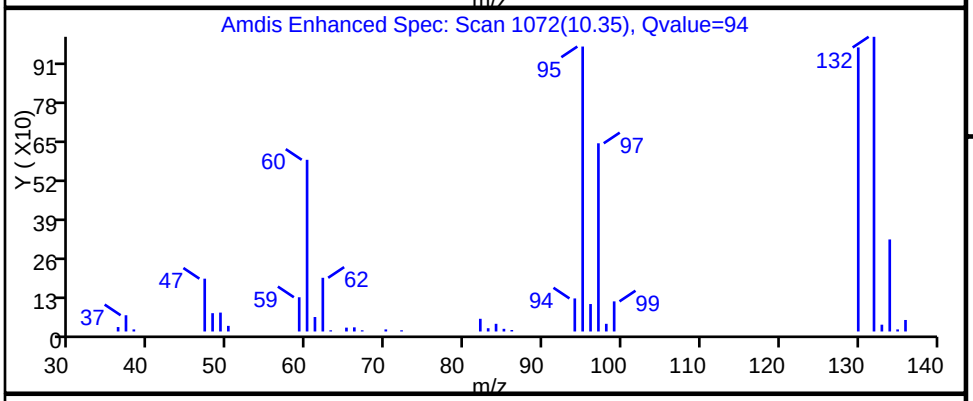
TestAmerica Buffalo

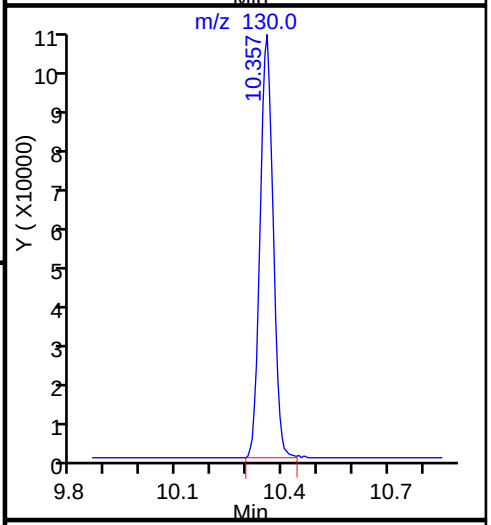
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2261.D				
Injection Date:	11-Dec-2015 07:49:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-14-D	Lab Sample ID:	480-92213-14		
Client ID:	B9-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

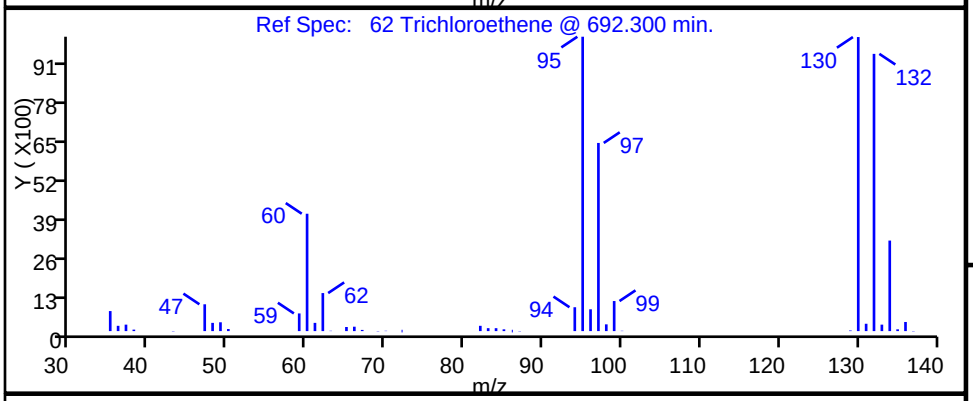
62 Trichloroethene, CAS: 79-01-6

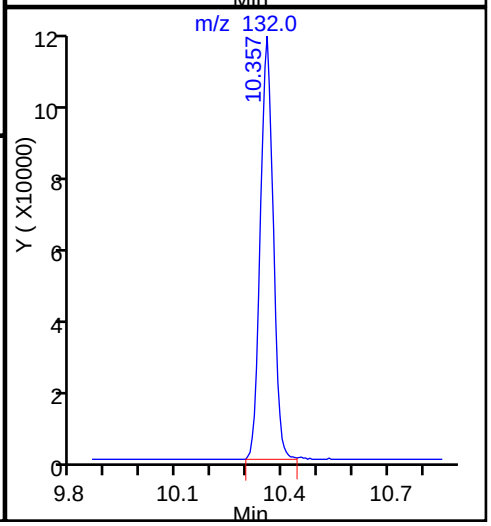


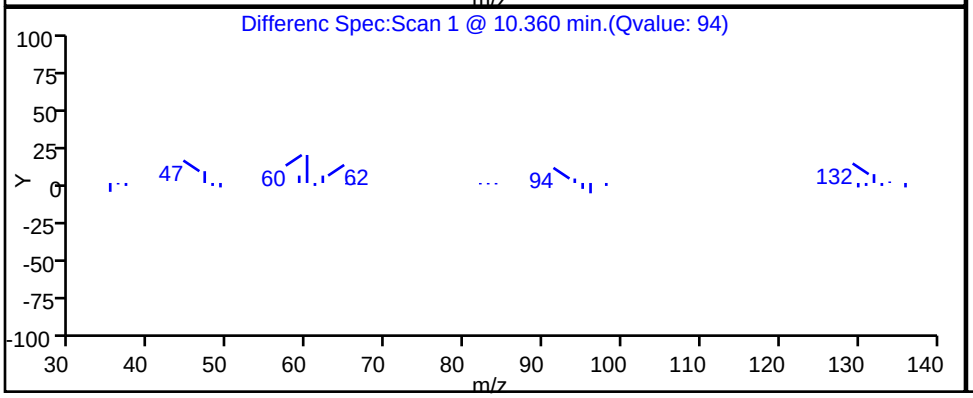












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B-AREA2-DUP1 | Lab Sample ID: 480-92213-15

Matrix: Solid | Lab File ID: P2279.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:55

Sample wt/vol: 5.02(g) | Date Analyzed: 12/11/2015 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND	* F1	5.6	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
79-00-5	1,1,2-Trichloroethane	ND	* F1	5.6	0.73
75-34-3	1,1-Dichloroethane	1.3	J F1	5.6	0.68
75-35-4	1,1-Dichloroethene	ND		5.6	0.68
120-82-1	1,2,4-Trichlorobenzene	ND	* F1 F2	5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND	* F1	5.6	2.8
106-93-4	1,2-Dibromoethane	ND	* F1	5.6	0.72
95-50-1	1,2-Dichlorobenzene	ND	* F1 F2	5.6	0.44
107-06-2	1,2-Dichloroethane	ND	F1	5.6	0.28
78-87-5	1,2-Dichloropropane	ND	F1	5.6	2.8
541-73-1	1,3-Dichlorobenzene	ND	* F1 F2	5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND	* F1 F2	5.6	0.78
78-93-3	2-Butanone (MEK)	ND	F1	28	2.0
591-78-6	2-Hexanone	ND	* F1	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	* F1	28	1.8
67-64-1	Acetone	20	J B F1	28	4.7
71-43-2	Benzene	ND	F1	5.6	0.27
75-27-4	Bromodichloromethane	ND	F1	5.6	0.75
75-25-2	Bromoform	ND	* F1	5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.50
75-15-0	Carbon disulfide	ND	F1	5.6	2.8
56-23-5	Carbon tetrachloride	ND	F1	5.6	0.54
108-90-7	Chlorobenzene	ND	* F1	5.6	0.74
75-00-3	Chloroethane	4.6	J	5.6	1.3
67-66-3	Chloroform	1.9	J F1	5.6	0.34
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	0.72	J F1	5.6	0.71
10061-01-5	cis-1,3-Dichloropropene	ND	F1	5.6	0.80
110-82-7	Cyclohexane	ND	F1	5.6	0.78
124-48-1	Dibromochloromethane	ND	* F1	5.6	0.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B-AREA2-DUP1 | Lab Sample ID: 480-92213-15

Matrix: Solid | Lab File ID: P2279.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:55

Sample wt/vol: 5.02(g) | Date Analyzed: 12/11/2015 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	ND	* F1	5.6	0.38
98-82-8	Isopropylbenzene	ND	* F1 F2	5.6	0.84
79-20-9	Methyl acetate	ND		5.6	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND	F1	5.6	0.85
75-09-2	Methylene Chloride	31	F1	5.6	2.6
100-42-5	Styrene	ND	* F1	5.6	0.28
127-18-4	Tetrachloroethene	ND	* F1	5.6	0.75
108-88-3	Toluene	ND	* F1	5.6	0.42
156-60-5	trans-1,2-Dichloroethene	ND	F1	5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	ND	* F1	5.6	2.5
79-01-6	Trichloroethene	ND	F1	5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	ND		5.6	0.68
1330-20-7	Xylenes, Total	ND	F1	11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		64-126
460-00-4	4-Bromofluorobenzene (Surr)	39	X *	72-126
2037-26-5	Toluene-d8 (Surr)	138	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D
Lims ID: 480-92213-A-15-B Lab Sample ID: 480-92213-15
Client ID: B-AREA2-DUP1
Sample Type: Client
Inject. Date: 11-Dec-2015 18:56:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-15-B
Misc. Info.: 480-0049158-015
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 07:24:26 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 07:24:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	171862	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	156204	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	50776	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	158801	59.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	93	471195	68.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	89	46657	19.6	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64	5.265	5.252	0.013	96	10023	4.10	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.408	6.396	0.012	98	34564	17.5	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.761	6.761	-0.018	98	25656	1.44	M
31 Methylene Chloride	84	6.993	6.986	0.007	94	142633	27.3	
32 Methyl tert-butyl ether	73		7.223				ND	
35 trans-1,2-Dichloroethene	96		7.296				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	94	12158	1.13	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	79	3363	0.6409	
49 Chloroform	83	8.885	8.878	0.006	95	15506	1.68	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95		10.350				ND	
64 Methylcyclohexane	83		10.582				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.651				ND	
92 Bromoform	173		15.010				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

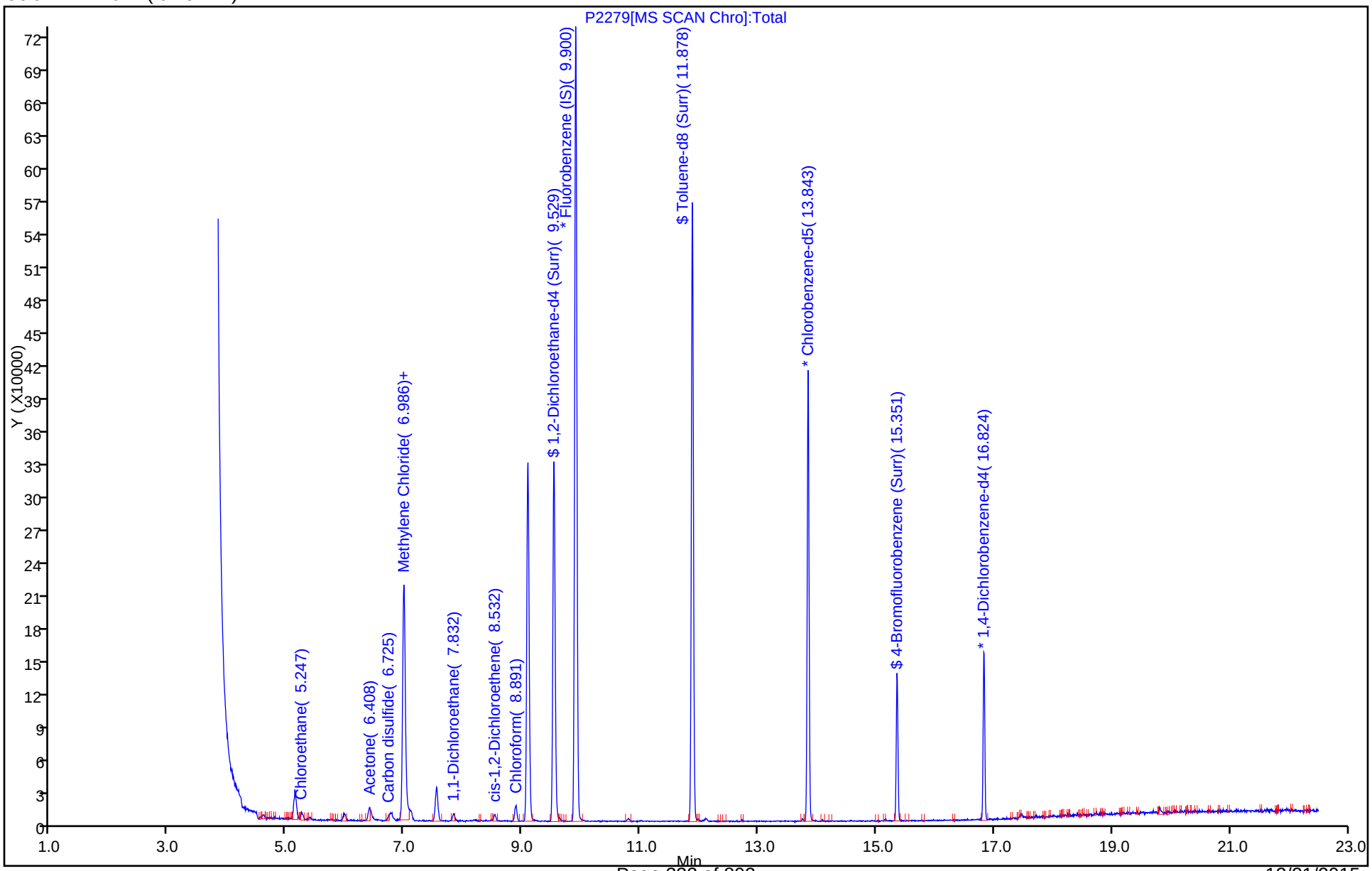
Report Date: 12-Dec-2015 07:24:27 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D

Injection Date:	11-Dec-2015 18:56:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-15-B	Lab Sample ID:	480-92213-15	Worklist Smp#:	15
Client ID:	B-AREA2-DUP1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

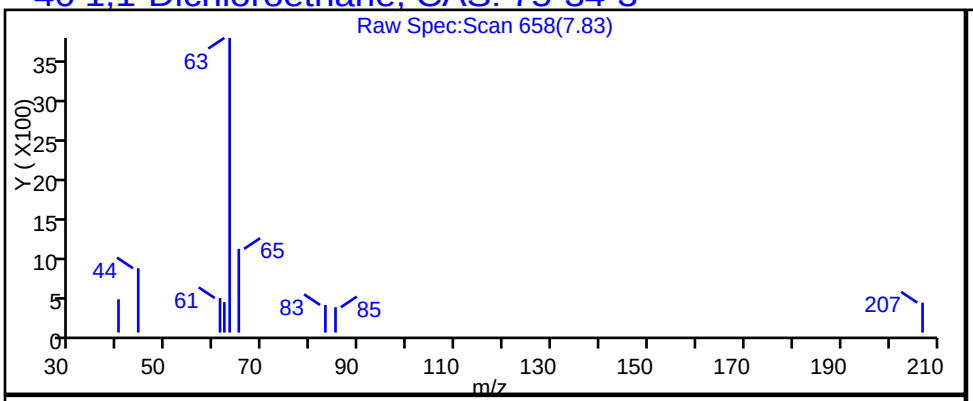


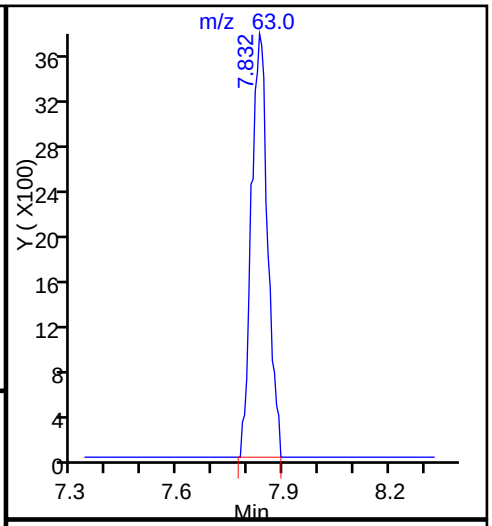
TestAmerica Buffalo

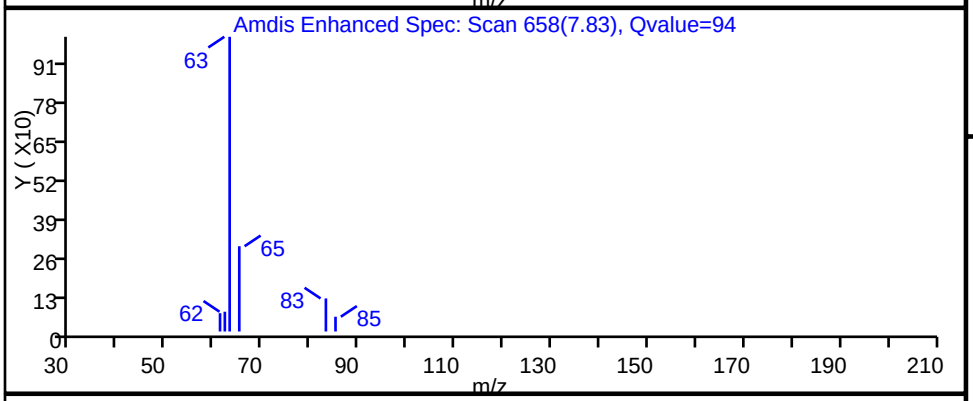
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D

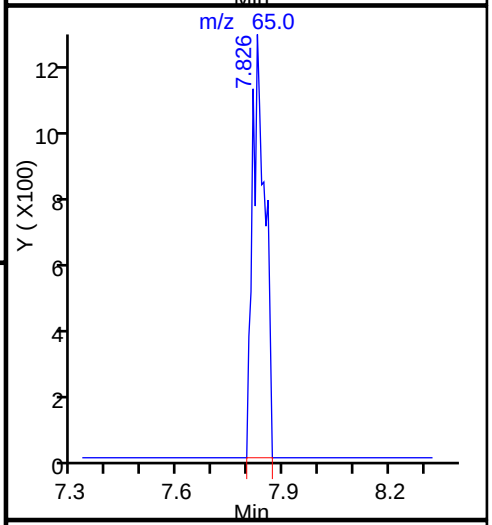
Injection Date:	11-Dec-2015 18:56:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-15-B	Lab Sample ID:	480-92213-15		
Client ID:	B-AREA2-DUP1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

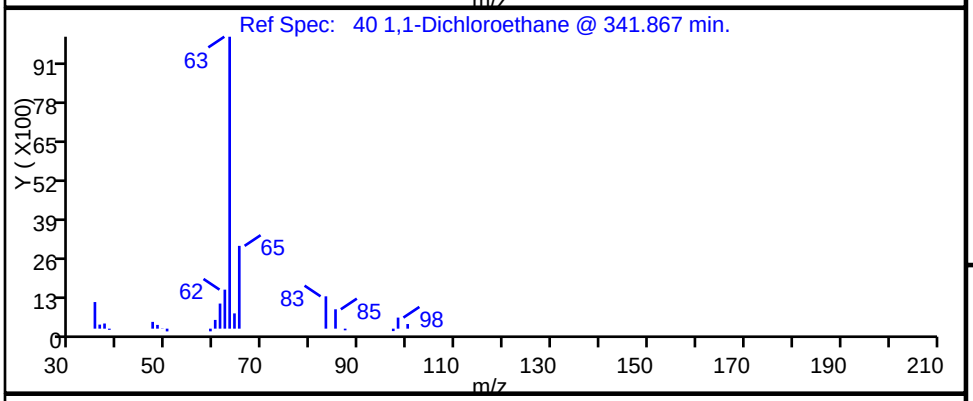
40 1,1-Dichloroethane, CAS: 75-34-3

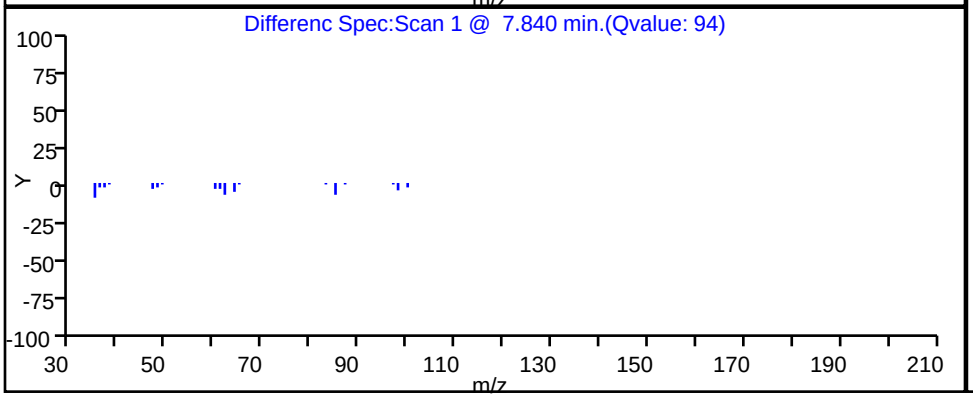


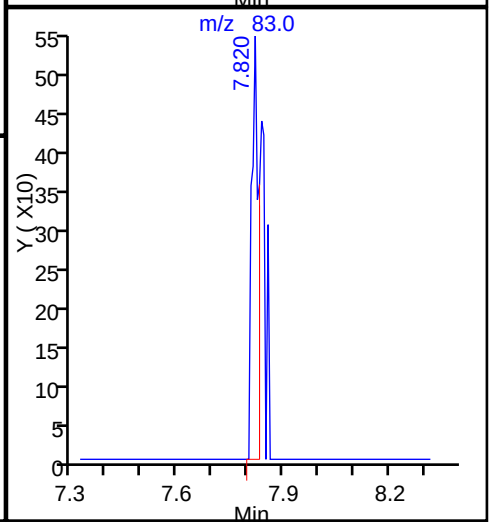










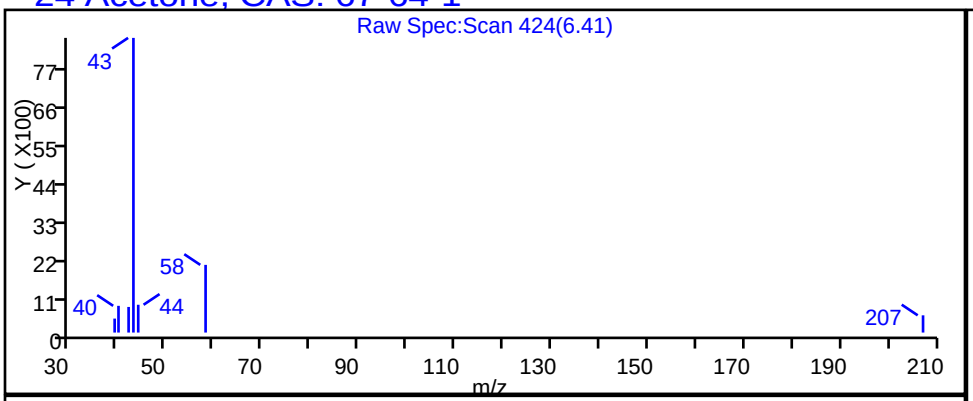


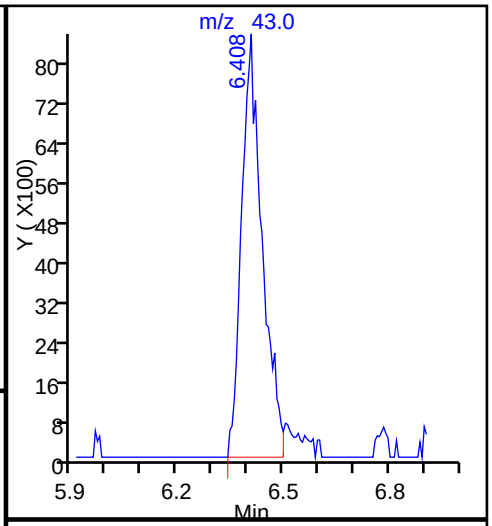
TestAmerica Buffalo

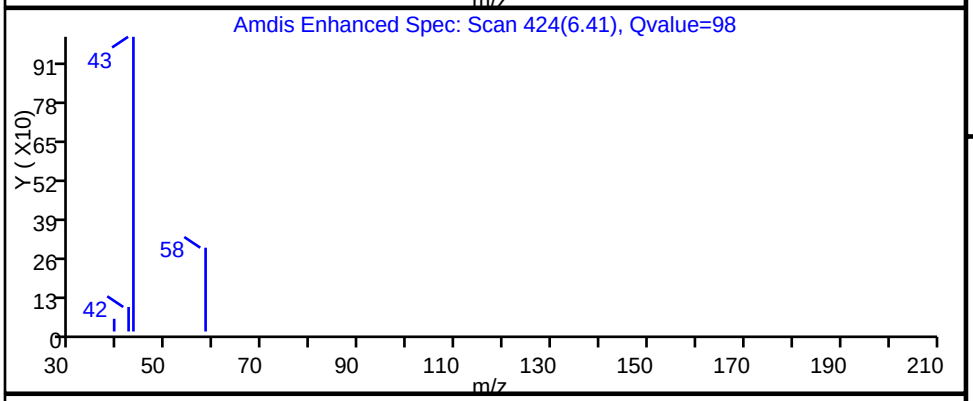
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D

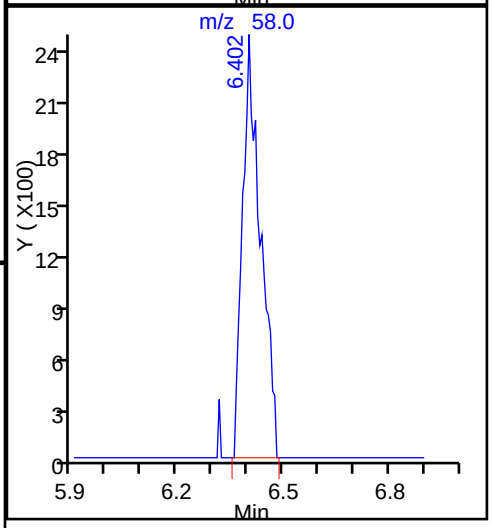
Injection Date:	11-Dec-2015 18:56:30	Instrument ID:	HP5973P
Lims ID:	480-92213-A-15-B	Lab Sample ID:	480-92213-15
Client ID:	B-AREA2-DUP1		
Operator ID:	CDC	ALS Bottle#:	8 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

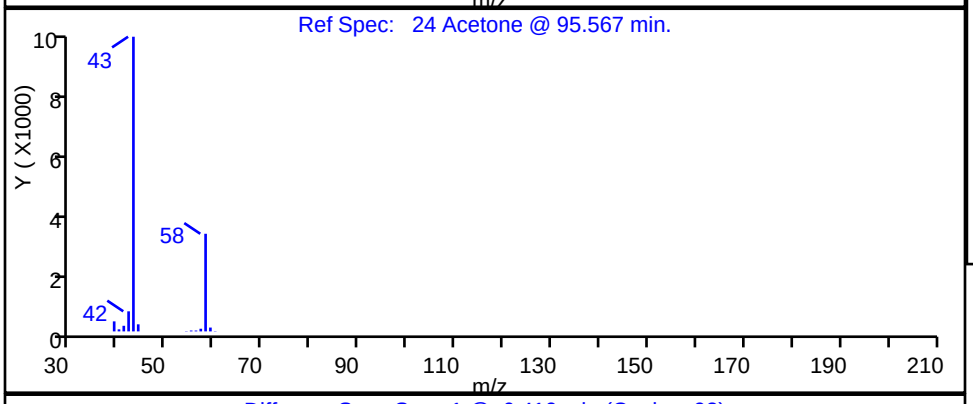
24 Acetone, CAS: 67-64-1

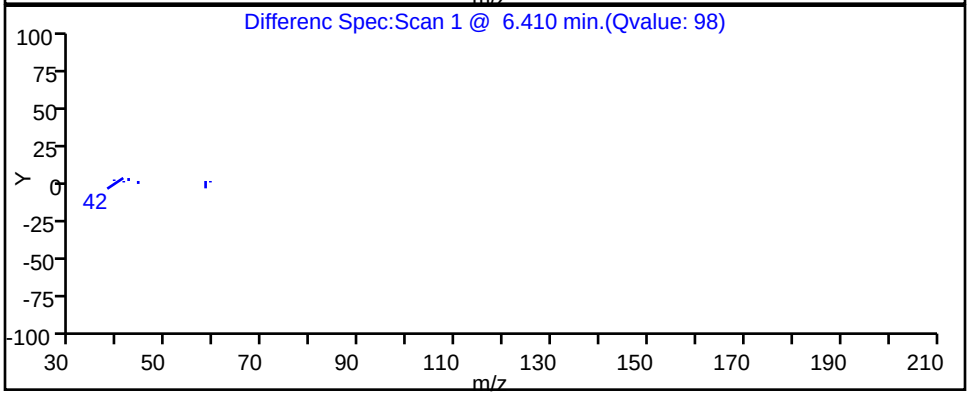








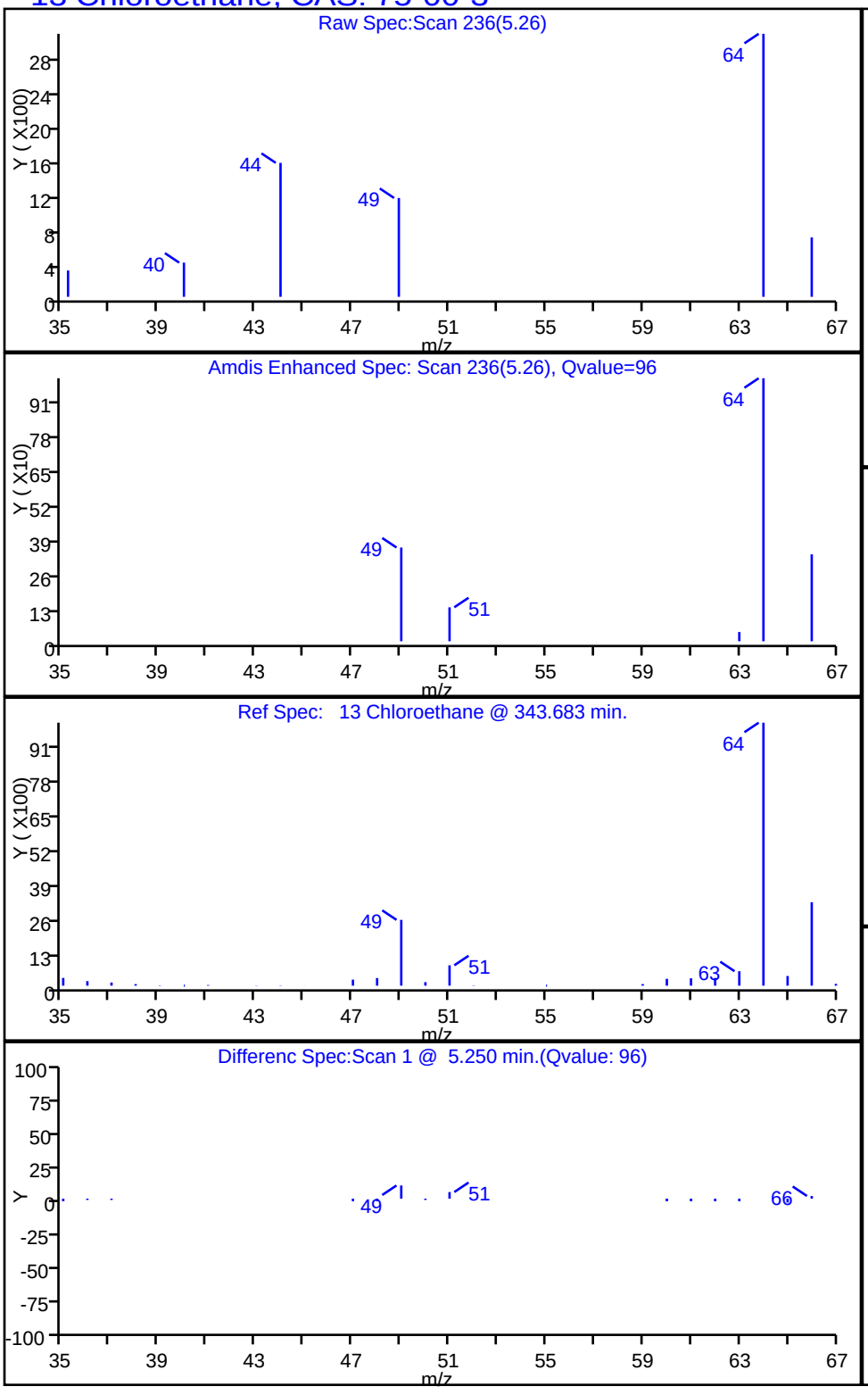


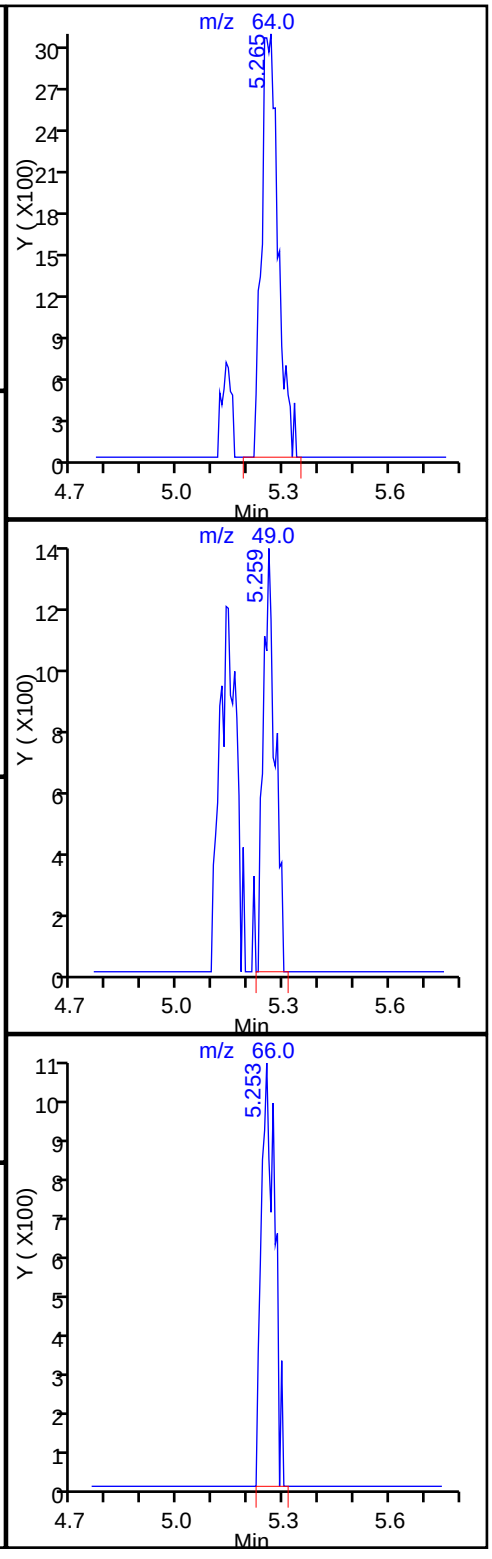


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D				
Injection Date:	11-Dec-2015 18:56:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-15-B	Lab Sample ID:	480-92213-15		
Client ID:	B-AREA2-DUP1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

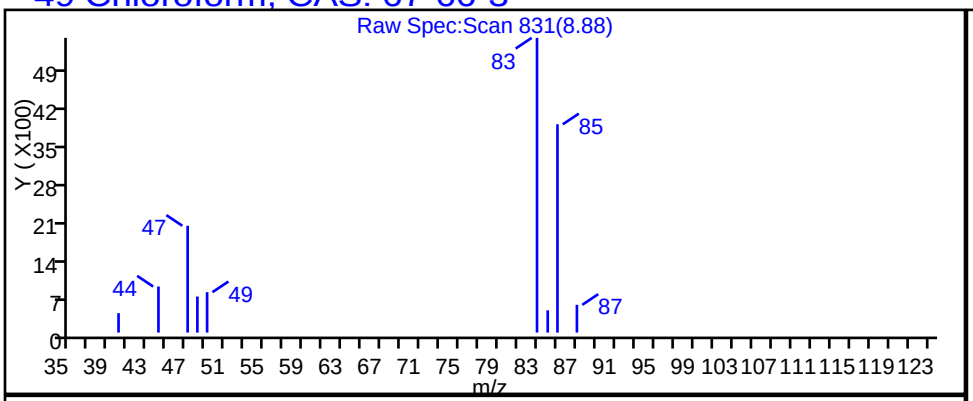
13 Chloroethane, CAS: 75-00-3

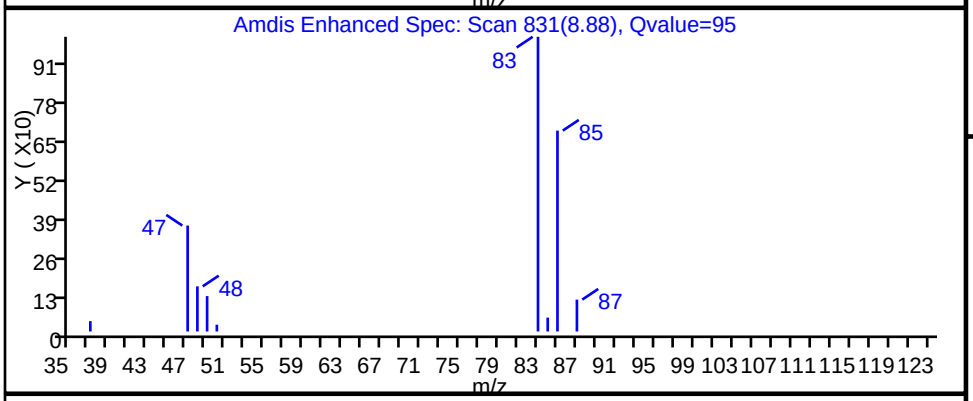


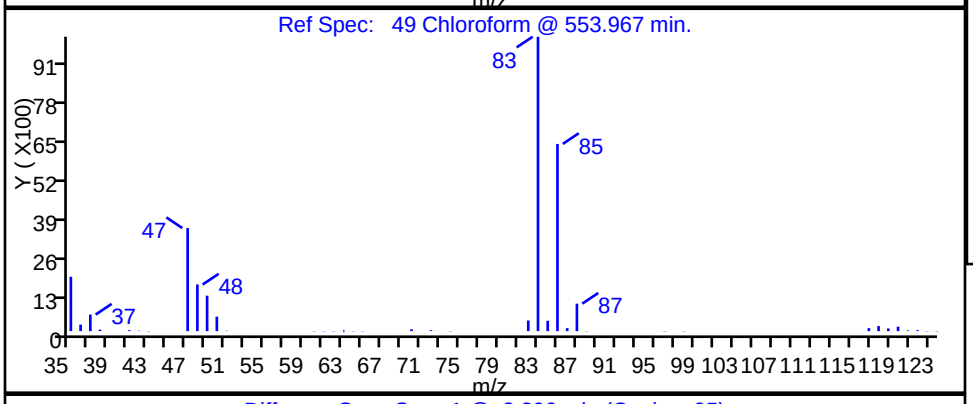


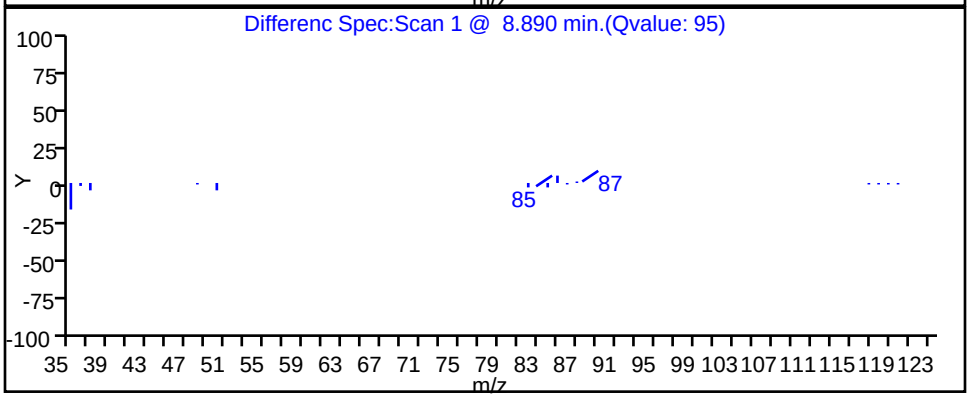
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D
Injection Date: 11-Dec-2015 18:56:30 Instrument ID: HP5973P
Lims ID: 480-92213-A-15-B Lab Sample ID: 480-92213-15
Client ID: B-AREA2-DUP1
Operator ID: CDC ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

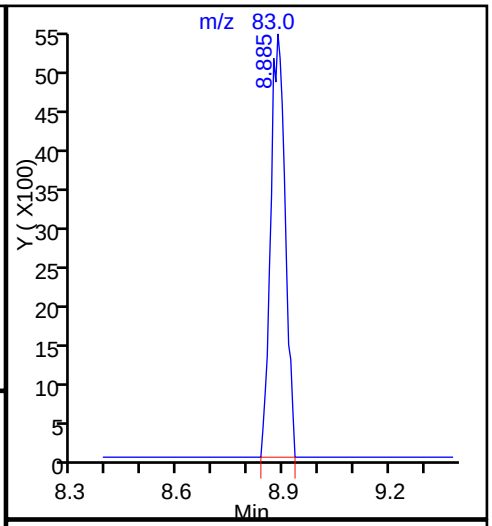
49 Chloroform, CAS: 67-66-3

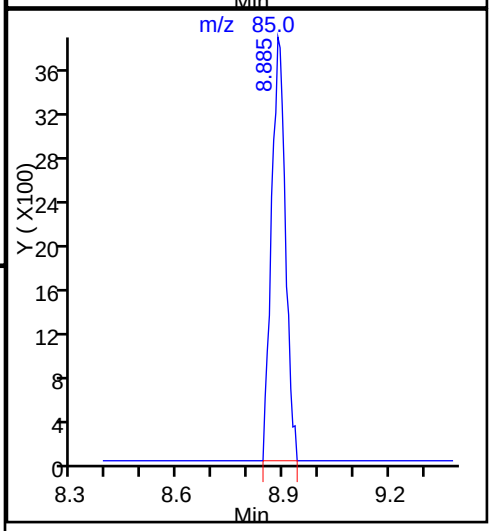










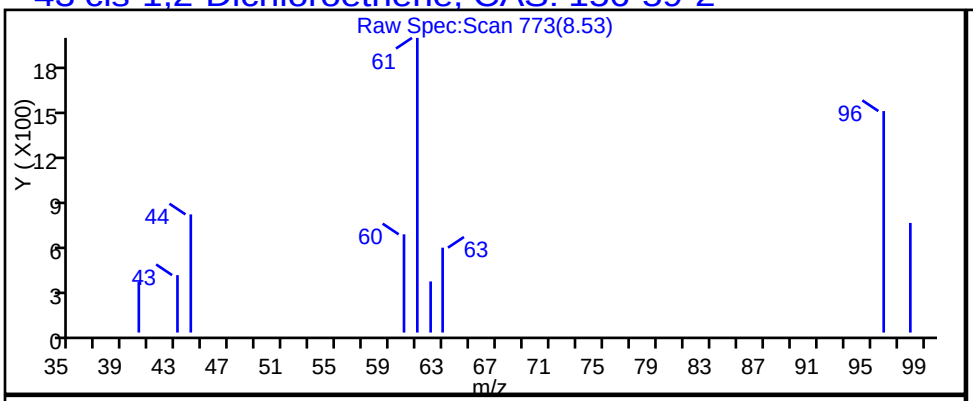


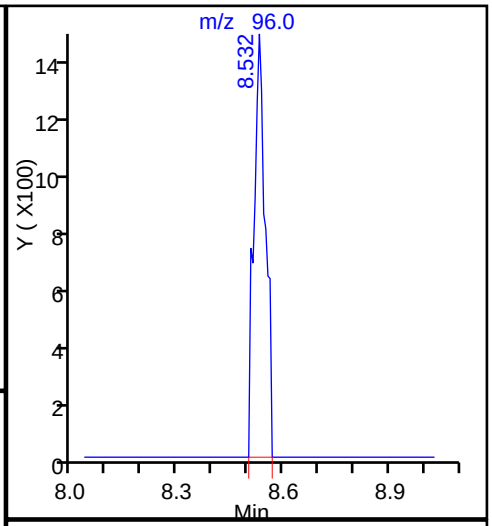
TestAmerica Buffalo

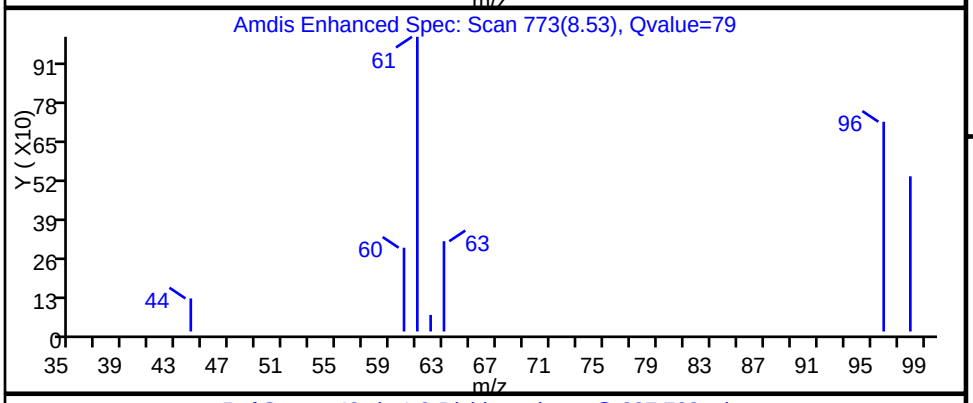
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D

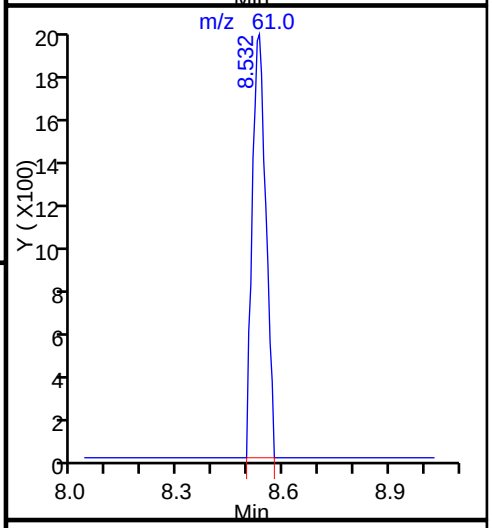
Injection Date:	11-Dec-2015 18:56:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-15-B	Lab Sample ID:	480-92213-15		
Client ID:	B-AREA2-DUP1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

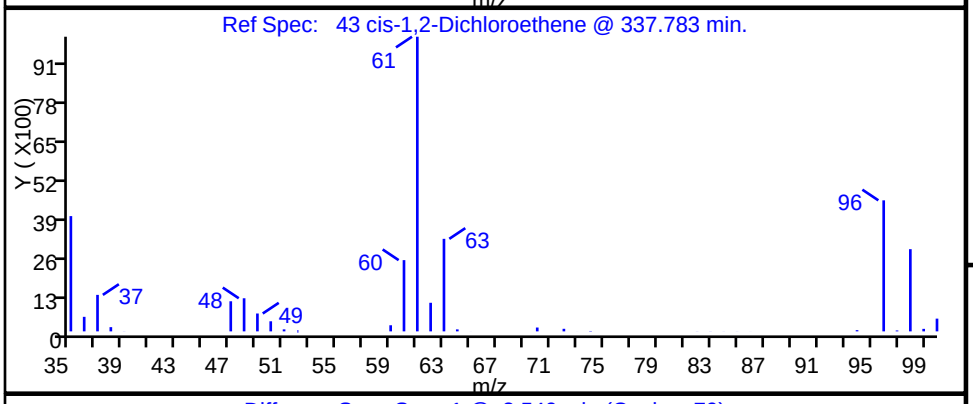
43 cis-1,2-Dichloroethene, CAS: 156-59-2

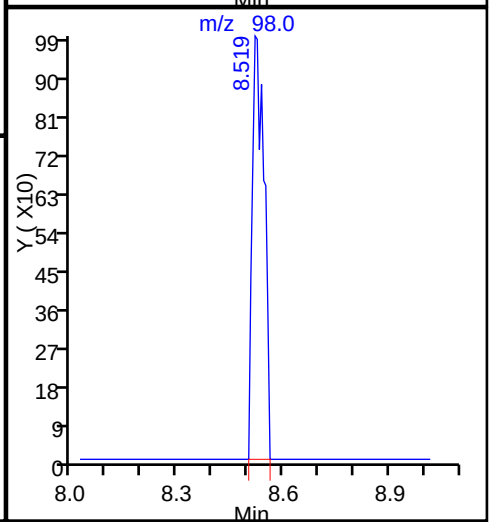


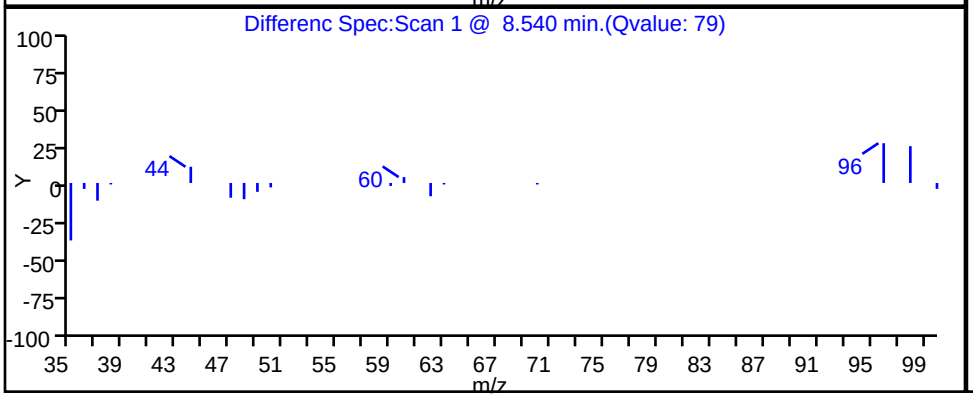












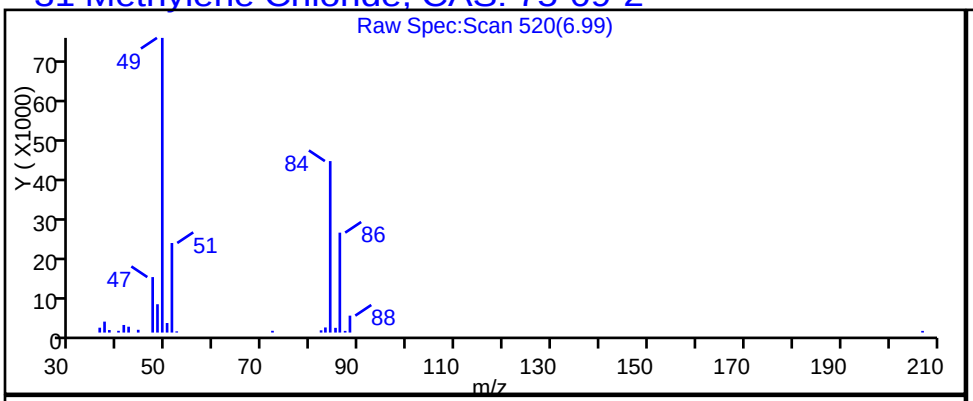
Report Date: 12-Dec-2015 07:24:27 Chrom Revision: 2.2 08-Oct-2015 07:17:48

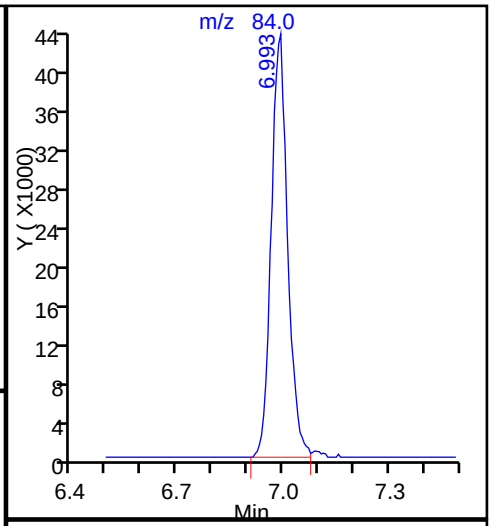
TestAmerica Buffalo

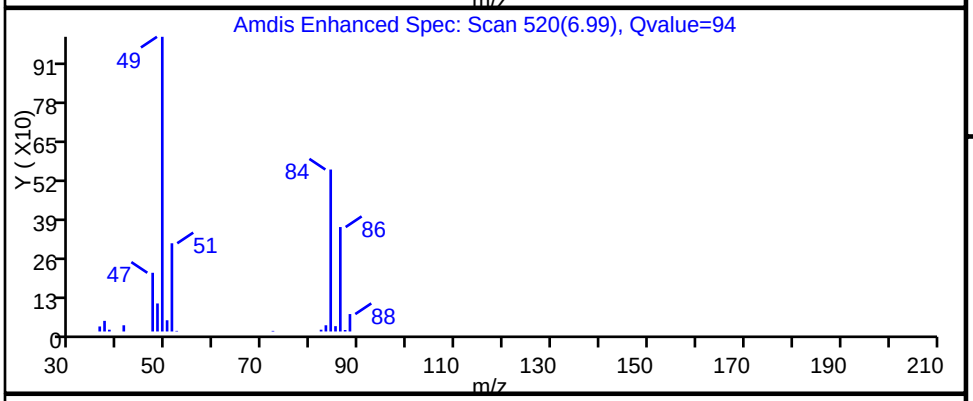
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D

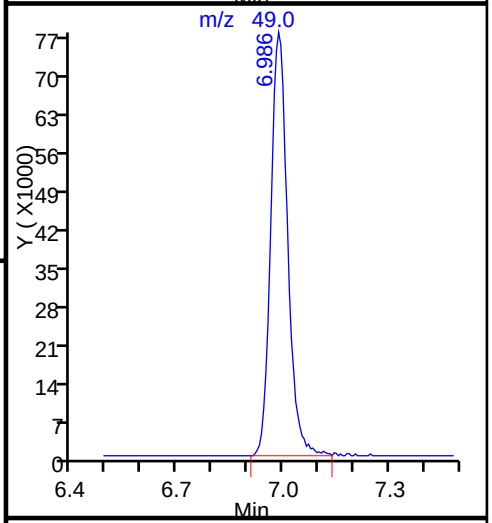
Injection Date:	11-Dec-2015 18:56:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-15-B	Lab Sample ID:	480-92213-15		
Client ID:	B-AREA2-DUP1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

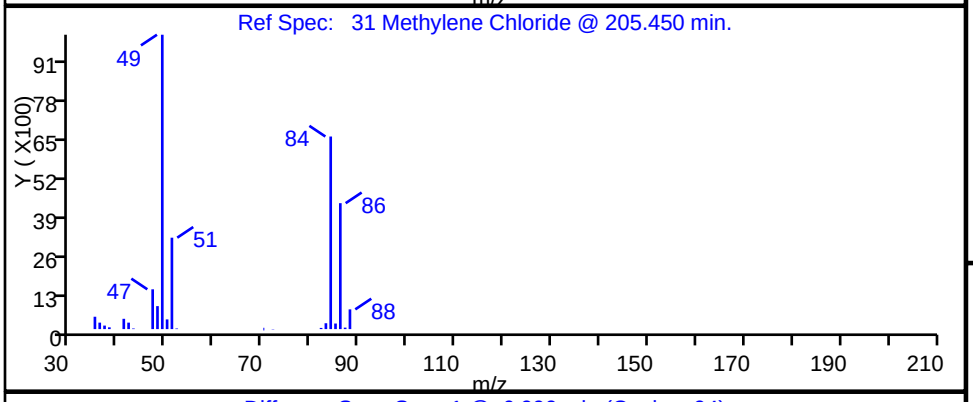
31 Methylene Chloride, CAS: 75-09-2

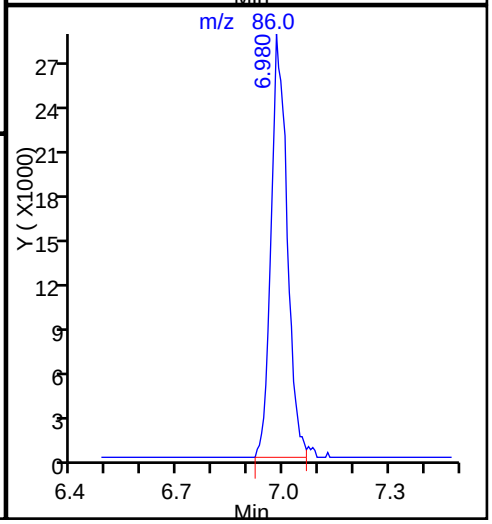


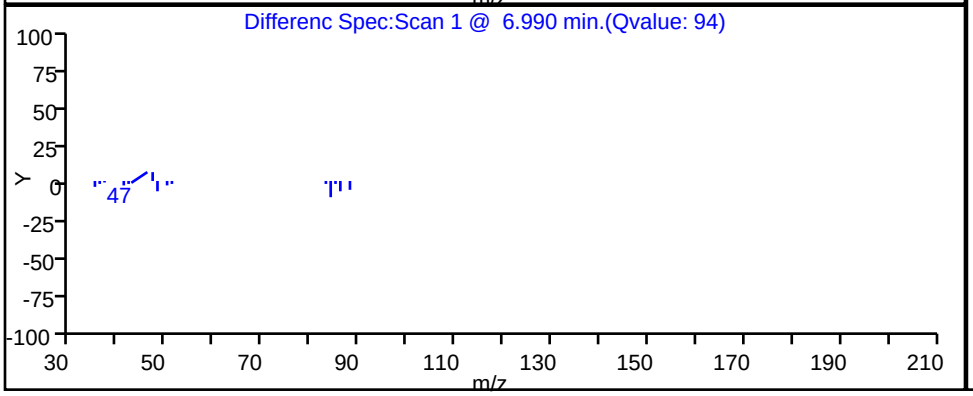












Manual Integration/User Assign Peak Report

TestAmerica Buffalo

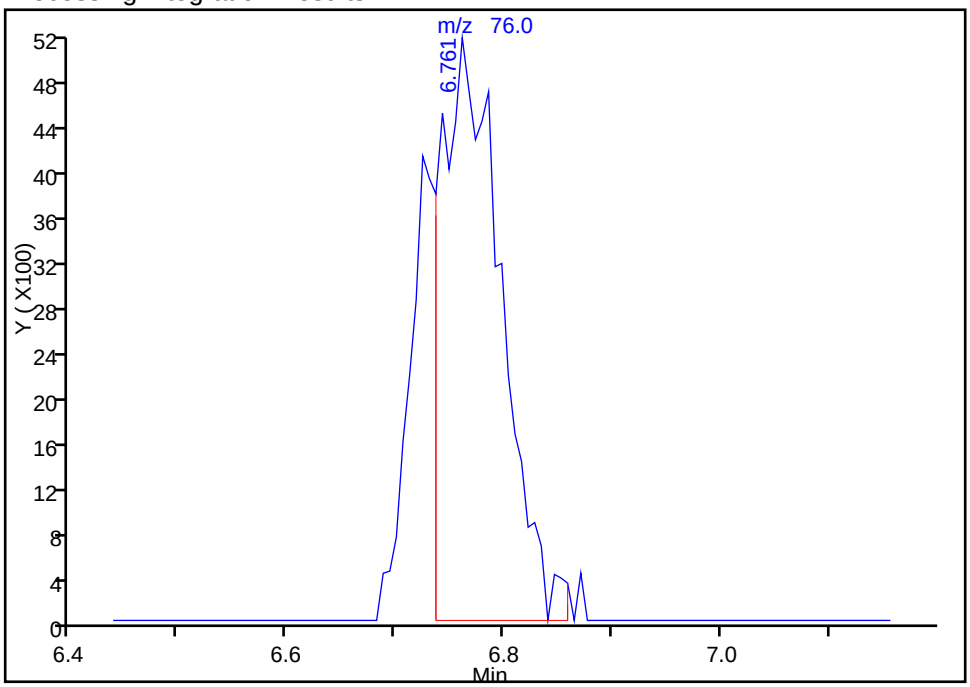
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2279.D

Injection Date:	11-Dec-2015 18:56:30	Instrument ID:	HP5973P		
Lims ID:	480-92213-A-15-B	Lab Sample ID:	480-92213-15		
Client ID:	B-AREA2-DUP1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

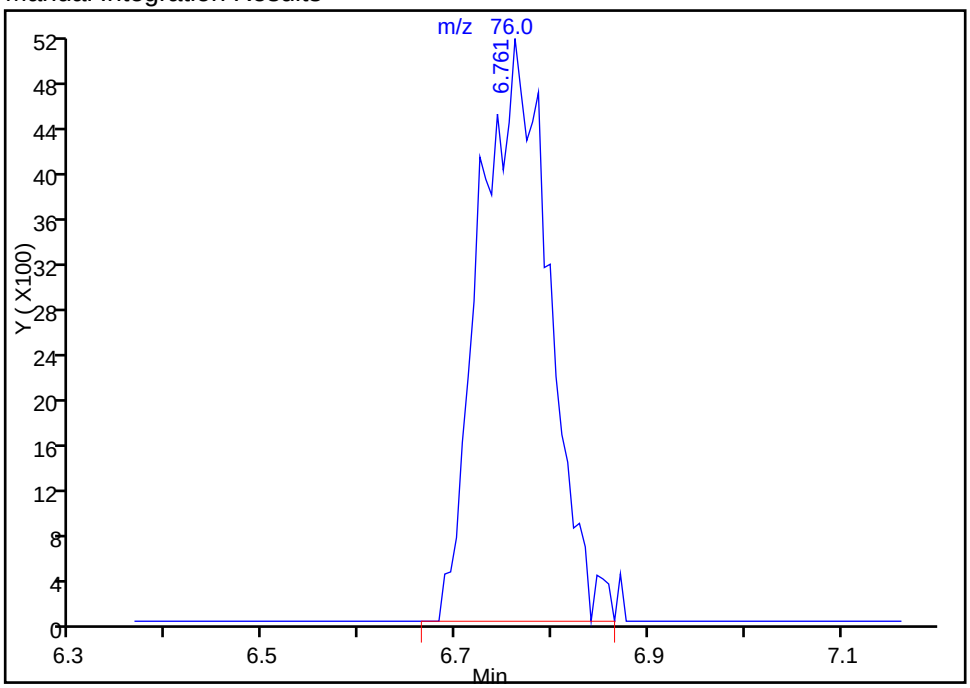
Processing Integration Results

RT: 6.76
Area: 19807
Amount: 1.115035
Amount Units: ug/L



Manual Integration Results

RT: 6.76
Area: 25656
Amount: 1.444304
Amount Units: ug/L



Reviewer: cwiklinc, 12-Dec-2015 07:24:26
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: SB-RINSEBLANK2 | Lab Sample ID: 480-92213-16

Matrix: Water | Lab File ID: C59702.D

Analysis Method: 8260C | Date Collected: 12/03/2015 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/16/2015 14:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 280006 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: SB-RINSEBLANK2 | Lab Sample ID: 480-92213-16

Matrix: Water | Lab File ID: C59702.D

Analysis Method: 8260C | Date Collected: 12/03/2015 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/16/2015 14:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 280006 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59702.D
Lims ID: 480-92213-A-16 Lab Sample ID: 480-92213-16
Client ID: SB-RINSEBLANK2
Sample Type: Client
Inject. Date: 16-Dec-2015 14:59:30 ALS Bottle#: 41 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-16
Misc. Info.: 480-0049281-013
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 17:21:10 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: o'briens Date: 16-Dec-2015 17:21:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	117530	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	254713	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	237753	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	97678	26.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	526059	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	87	178406	24.1	
10 Dichlorodifluoromethane	85		4.436				ND	
12 Chloromethane	50		4.839				ND	
13 Vinyl chloride	62		5.076				ND	
14 Bromomethane	94		5.681				ND	
15 Chloroethane	64		5.812				ND	
17 Trichlorofluoromethane	101		6.155				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.808				ND	
23 Acetone	43		6.867				ND	
26 Carbon disulfide	76		7.140				ND	
27 Methyl acetate	43		7.163				ND	
30 Methylene Chloride	84		7.329				ND	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96		7.567				ND	
39 1,1-Dichloroethane	63		7.970				ND	
43 2-Butanone (MEK)	43		8.420				ND	
45 cis-1,2-Dichloroethene	96		8.468				ND	
50 Chloroform	83		8.693				ND	
51 1,1,1-Trichloroethane	97		8.871				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
57 Benzene	78		9.179				ND	
58 1,2-Dichloroethane	62		9.203				ND	
62 Trichloroethene	95		9.654				ND	
64 Methylcyclohexane	83		9.784				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		9.855				ND	
68 Dichlorobromomethane	83		10.057				ND	
72 cis-1,3-Dichloropropene	75		10.377				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.413				ND	
74 Toluene	92		10.638				ND	
77 trans-1,3-Dichloropropene	75		10.792				ND	
79 1,1,2-Trichloroethane	83		10.970				ND	
80 2-Hexanone	43		11.053				ND	
81 Tetrachloroethene	166	11.088	11.089	-0.001	89	1972	0.1780	
83 Chlorodibromomethane	129		11.338				ND	
84 Ethylene Dibromide	107		11.468				ND	
87 Chlorobenzene	112		11.800				ND	
88 Ethylbenzene	91		11.800				ND	
90 m-Xylene & p-Xylene	106		11.883				ND	
91 o-Xylene	106		12.227				ND	
92 Styrene	104		12.239				ND	
94 Isopropylbenzene	105		12.500				ND	
95 Bromoform	173		12.523				ND	
97 1,1,2,2-Tetrachloroethane	83		12.796				ND	
111 1,3-Dichlorobenzene	146		13.733				ND	
113 1,4-Dichlorobenzene	146		13.816				ND	
116 1,2-Dichlorobenzene	146		14.231				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.109				ND	
119 1,2,4-Trichlorobenzene	180		16.140				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

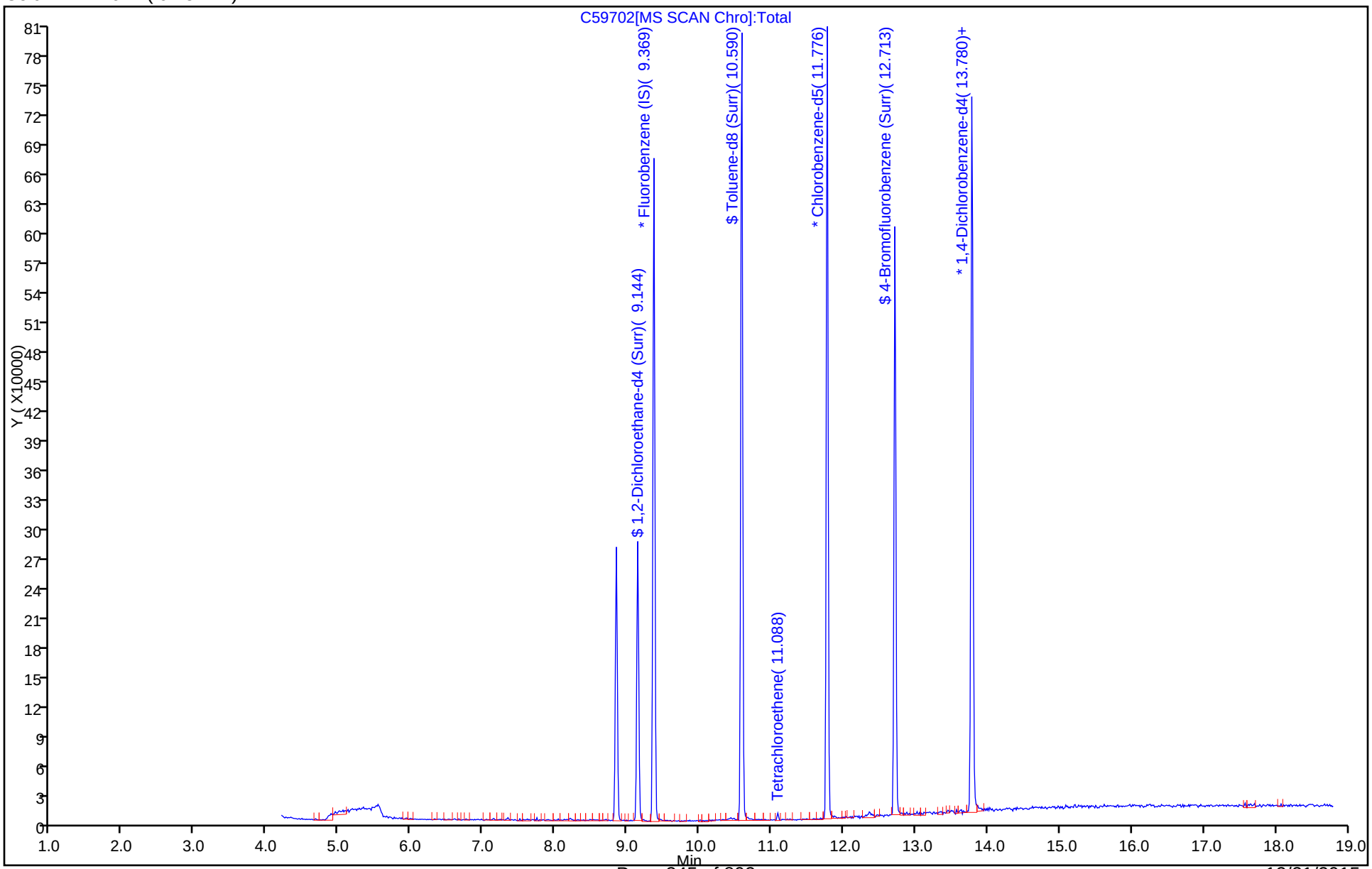
Report Date: 16-Dec-2015 17:21:45 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59702.D

Injection Date:	16-Dec-2015 14:59:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	480-92213-A-16	Lab Sample ID:	480-92213-16	Worklist Smp#:	13
Client ID:	SB-RINSEBLANK2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	41
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.3069 2.4323	2.6817 2.5757	2.7769 2.6219	2.7619	2.5649	Ave		2.5903			0.1000	6.2		20.0			
Chloromethane	3.3852 2.3945	3.0142 2.4533	2.8252 2.4777	2.6993	2.4736	Ave		2.7154			0.1000	12.7		20.0			
Vinyl chloride	2.3186 2.1766	2.5039 2.2690	2.5359 2.2912	2.4459	2.2990	Ave		2.3550			0.1000	5.3		20.0			
Butadiene	2.9331 2.2344	2.4691 2.2498	2.6642 2.2881	2.4666	2.2883	Ave		2.4492				10.0		20.0			
Bromomethane	1.6909 1.5246	1.7047 1.5547	1.6308 1.6013	1.6735	1.5777	Ave		1.6198			0.1000	4.1		20.0			
Chloroethane	+++++ 1.3774	1.6089 1.4160	1.6039 1.4581	1.5978	1.4614	Ave		1.5033			0.1000	6.5		20.0			
Dichlorofluoromethane	4.5460 3.6400	4.2423 3.7325	4.0990 3.7890	4.0673	3.8023	Ave		3.9898				7.7		20.0			
Trichlorofluoromethane	3.4447 3.5948	3.8274 3.6867	3.9321 3.7435	4.0156	3.7151	Ave		3.7450			0.1000	4.9		20.0			
Ethyl ether	2.0211 1.8796	2.0396 1.8888	1.9137 1.8895	1.9121	1.8596	Ave		1.9255				3.5		20.0			
Acrolein	0.3260 0.3364	0.3434 0.3389	0.3058 0.3403	0.2890	0.3285	Ave		0.3260				5.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 2.0277	2.0366 2.0567	2.0797 2.0239	2.1804	2.0471	Ave		2.0646			0.1000	2.6		20.0			
1,1-Dichloroethene	2.0962 1.7629	1.9987 1.7751	1.9148 1.7537	1.9192	1.7946	Ave		1.8769			0.1000	6.7		20.0			
Acetone	0.7156 0.5382	0.6263 0.5455	0.5675 0.5369	0.5447	0.5440	Ave		0.5773			0.1000	10.9		20.0			
Iodomethane	3.8081 3.5166	3.9525 3.5195	3.5404 3.5325	3.6376	3.5032	Ave		3.6263				4.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	7.0144 7.1966	8.2249 7.2934	7.5006 7.1870	7.5742	7.3942	Ave		7.4232			0.1000	5.0		20.0			
Methyl acetate	1.5435 1.4154	1.6179 1.4446	1.4026 1.4263	1.3530	1.4204	Ave		1.4530			0.1000	5.9		20.0			
Allyl chloride	4.2256 3.1510	3.8437 3.1039	3.4459 3.0748	3.4282	3.2264	Ave		3.4374				11.8		20.0			
Methylene Chloride	+++++ 2.0875	4.4664 2.0137	2.9857 1.9830	2.5635	2.2318	Lin1	2.4391	1.9672			0.1000				1.0000		0.9900
2-Methyl-2-propanol	+++++ 0.1939	0.1807 0.2030	0.1787 0.1926	0.1989	0.1871	Ave		0.1907				4.7		20.0			
Methyl tert-butyl ether	6.1506 5.8833	6.5093 5.9550	5.7573 5.9008	5.9195	5.9186	Ave		5.9993			0.1000	3.9		20.0			
trans-1,2-Dichloroethene	2.0548 1.8826	2.2938 1.9025	2.0644 1.8592	1.9928	1.9691	Ave		2.0024			0.1000	7.0		20.0			
Acrylonitrile	0.6610 0.7287	0.7836 0.7326	0.7310 0.7250	0.7004	0.7193	Ave		0.7227				4.7		20.0			
Hexane	2.8419 2.9793	3.6340 2.9591	3.3389 2.8813	3.1901	3.0517	Ave		3.1096				8.6		20.0			
Vinyl acetate	4.5209 4.2333	4.4878 4.3639	3.8570 4.3931	3.9393	4.0016	Ave		4.2246				6.1		20.0			
1,1-Dichloroethane	3.9052 3.7376	4.2232 3.7176	3.7503 3.6947	4.0387	3.7493	Ave		3.8521			0.2000	4.9		20.0			
2-Butanone (MEK)	0.9279 0.8600	0.8854 0.8799	0.8507 0.8798	0.8770	0.8491	Ave		0.8762			0.1000	2.9		20.0			
2,2-Dichloropropane	3.1448 2.9787	3.6652 2.9832	3.1510 2.9582	3.2720	2.9999	Ave		3.1441				7.6		20.0			
cis-1,2-Dichloroethene	2.1445 2.1079	2.6208 2.1418	2.1035 2.1094	2.2377	2.1800	Ave		2.2057			0.1000	7.9		20.0			
Chlorobromomethane	0.9871 1.0974	1.0653 1.0904	1.0492 1.0804	1.1494	1.0806	Ave		1.0749				4.3		20.0			
Tetrahydrofuran	+++++ 0.5951	0.6215 0.5987	0.7386 0.5881	0.6450	0.5911	Ave		0.6254				8.6		20.0			
Chloroform	4.3763 3.6926	4.5354 3.6600	3.9358 3.6188	3.9330	3.8089	Ave		3.9451			0.2000	8.6		20.0			
1,1,1-Trichloroethane	3.3384 3.2439	3.7516 3.2497	3.3601 3.2289	3.5339	3.2763	Ave		3.3729			0.1000	5.4		20.0			
Cyclohexane	2.9229 3.9074	4.2460 3.8995	4.1821 3.8286	4.2215	3.9064	Ave		3.8893			0.1000	10.9		20.0			
Isobutyl alcohol	0.1009 0.0857	0.1101 0.0912	0.0917 0.0877	0.0803	0.0847	Ave		0.0915				10.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.9351 2.6807	2.9233 2.7071	2.8567 2.6617	2.8588	2.7695	Ave		2.7991				3.9		20.0			
Carbon tetrachloride	2.3318 3.0128	3.1868 3.0395	3.0315 3.0093	3.2241	3.0288	Ave		2.9831			0.1000	9.3		20.0			
Benzene	8.1771 7.5131	8.6691 7.4421	7.9622 7.3223	7.9834	7.5484	Ave		7.8272			0.5000	5.8		20.0			
n-Heptane	3.6901 2.8075	3.7062 2.6937	3.3791 2.6527	2.9475	2.8019	Ave		3.0848				14.3		20.0			
1,2-Dichloroethane	3.4530 3.2551	3.7402 3.2130	3.3706 3.1288	3.2829	3.2509	Ave		3.3368			0.1000	5.7		20.0			
Trichloroethene	2.1850 2.0522	2.4224 2.0587	2.1523 2.0522	2.1636	2.1238	Ave		2.1513			0.2000	5.7		20.0			
Methylcyclohexane	2.3981 3.1924	3.4890 3.2436	3.3272 3.1896	3.4002	3.2196	Ave		3.1825			0.1000	10.5		20.0			
1,2-Dichloropropane	1.8553 2.0713	2.2641 2.0167	2.0188 2.0410	2.1616	2.0588	Ave		2.0610			0.1000	5.7		20.0			
1,4-Dioxane	+++++ 0.0049	+++++ 0.0054	0.0021 0.0047	0.0058	0.0043	Lin1	-0.062	0.0050							0.9910		0.9900
Dibromomethane	1.1383 1.3294	1.3959 1.3416	1.4099 1.3307	1.3967	1.3395	Ave		1.3353			0.1000	6.5		20.0			
Bromodichloromethane	2.7454 2.9143	2.9824 2.9187	2.8862 2.9319	2.9326	2.8578	Ave		2.8962			0.2000	2.4		20.0			
2-Chloroethyl vinyl ether	1.1608 1.3550	1.2147 1.3936	1.3295 1.3829	1.3071	1.3071	Ave		1.3063				6.2		20.0			
cis-1,3-Dichloropropene	2.9546 3.2754	3.4943 3.3150	3.2488 3.3347	3.2381	3.2259	Ave		3.2609			0.2000	4.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.9939 0.9674	0.9700 0.9553	0.9460 0.9192	0.9401	0.9575	Ave		0.9562			0.1000	2.3		20.0			
Toluene	2.1996 2.2446	2.5776 2.2128	2.3810 2.1370	2.4469	2.2925	Ave		2.3115			0.4000	6.4		20.0			
Ethyl methacrylate	1.0290 1.1790	1.1244 1.1914	1.0183 1.1728	1.0944	1.1291	Ave		1.1173				5.9		20.0			
trans-1,3-Dichloropropene	1.3480 1.4787	1.4373 1.4664	1.3946 1.4291	1.4481	1.4416	Ave		1.4305			0.1000	2.9		20.0			
1,1,2-Trichloroethane	0.7134 0.7042	0.7895 0.6945	0.6726 0.6802	0.7204	0.7115	Ave		0.7108			0.1000	5.0		20.0			
2-Hexanone	0.6958 0.6691	0.7012 0.6697	0.6371 0.6449	0.6264	0.6465	Ave		0.6613			0.1000	4.1		20.0			
Tetrachloroethene	1.0638 1.0769	1.1567 1.0496	1.0837 1.0265	1.1484	1.0944	Ave		1.0875			0.2000	4.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.4825 1.4212	1.4822 1.4012	1.4553 1.3629	1.4976	1.4466	Ave		1.4437				3.2		20.0			
Dibromochloromethane	1.0260 1.0613	1.0529 1.0639	0.9649 1.0578	1.0543	1.0299	Ave		1.0389			0.1000	3.2		20.0			
1,2-Dibromoethane	0.8704 0.9369	0.9111 0.9159	0.9640 0.8977	0.9298	0.9096	Ave		0.9169				3.0		20.0			
Chlorobenzene	2.8871 2.6408	2.8519 2.5804	2.7730 2.5180	2.8159	2.6557	Ave		2.7153			0.5000	5.0		20.0			
Ethylbenzene	4.9659 4.3841	5.1705 4.3562	4.6996 4.1770	4.6881	4.4310	Ave		4.6091			0.1000	7.3		20.0			
1,1,1,2-Tetrachloroethane	1.0490 1.0168	1.0880 1.0261	0.9918 1.0023	1.1161	1.0209	Ave		1.0389				4.2		20.0			
m,p-Xylene	1.7321 1.7743	1.9036 1.7356	1.7737 1.6749	1.8937	1.7874	Ave		1.7844			0.1000	4.4		20.0			
o-Xylene	1.7290 1.7870	1.9116 1.7393	1.8371 1.6854	1.8500	1.7589	Ave		1.7873			0.3000	4.2		20.0			
Styrene	2.8281 2.9428	2.8986 2.9343	2.9136 2.8621	3.0166	2.9298	Ave		2.9157			0.3000	1.9		20.0			
Isopropylbenzene	4.8809 4.6588	5.2731 4.6717	5.0809 4.5100	5.0885	4.7405	Ave		4.8630			0.1000	5.4		20.0			
Bromoform	0.5505 0.6438	0.6028 0.6719	0.5427 0.6709	0.6066	0.6102	Ave		0.6124			0.1000	8.0		20.0			
1,1,2,2-Tetrachloroethane	1.0483 1.1208	1.1936 1.1464	1.1565 1.1112	1.1298	1.0898	Ave		1.1246			0.3000	3.9		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.4245	0.4132 0.4371	0.3642 0.4338	0.4163	0.4063	Ave		0.4136				5.9		20.0			
N-Propylbenzene	6.0589 5.3859	6.0403 5.3684	5.6774 5.1490	5.6527	5.4589	Ave		5.5989				5.8		20.0			
1,2,3-Trichloropropane	0.3118 0.3696	0.3521 0.3770	0.3953 0.3594	0.3932	0.3808	Ave		0.3674				7.4		20.0			
Bromobenzene	1.2701 1.2266	1.2534 1.2351	1.2724 1.1952	1.2919	1.2569	Ave		1.2502				2.4		20.0			
1,3,5-Trimethylbenzene	3.9525 4.0504	4.5212 4.0603	4.2898 3.9126	4.3200	4.0988	Ave		4.1507				5.0		20.0			
2-Chlorotoluene	0.9628 1.0598	1.1703 1.0719	1.1334 1.0382	1.1507	1.0660	Ave		1.0816				6.3		20.0			
4-Chlorotoluene	1.2251 1.1229	1.1701 1.1211	1.1826 1.0927	1.1630	1.1197	Ave		1.1497				3.8		20.0			
tert-Butylbenzene	0.9170 0.8562	0.9963 0.8691	0.9005 0.8391	0.9537	0.8859	Ave		0.9022				5.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	4.1937 4.1954	4.5118 4.1809	4.3892 4.0654	4.5130	4.1320	Ave		4.2727				4.1		20.0			
sec-Butylbenzene	4.7443 5.0110	5.5579 5.0490	5.3306 4.8592	5.4366	5.0621	Ave		5.1314				5.5		20.0			
4-Isopropyltoluene	4.3031 4.2138	4.7445 4.2360	4.4240 4.1181	4.5943	4.2254	Ave		4.3574				4.9		20.0			
1,3-Dichlorobenzene	2.4106 2.3443	2.5769 2.3622	2.4440 2.3226	2.4453	2.3434	Ave		2.4062			0.6000	3.5		20.0			
1,4-Dichlorobenzene	2.5894 2.4093	2.7437 2.3989	2.5026 2.3306	2.4688	2.3892	Ave		2.4791			0.5000	5.4		20.0			
n-Butylbenzene	3.6712 3.7291	4.1665 3.7670	3.9009 3.6876	4.0385	3.7359	Ave		3.8371				4.7		20.0			
1,2-Dichlorobenzene	2.3958 2.2990	2.5221 2.3231	2.2913 2.2552	2.3977	2.2953	Ave		2.3474			0.4000	3.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1893 0.2275	0.3090 0.2444	0.2592 0.2372	0.2354	0.2330	Ave		0.2419			0.0500	13.9		20.0			
1,2,4-Trichlorobenzene	1.3857 1.6197	1.5250 1.6558	1.5706 1.6441	1.6477	1.5708	Ave		1.5774			0.2000	5.7		20.0			
Hexachlorobutadiene	0.5250 0.6370	0.6243 0.6517	0.6105 0.6440	0.7203	0.6068	Ave		0.6274				8.7		20.0			
Naphthalene	3.0013 3.6753	3.2029 3.8377	3.0978 3.8402	3.3852	3.4593	Ave		3.4375				9.5		20.0			
1,2,3-Trichlorobenzene	1.4305 1.5614	1.5058 1.5976	1.4706 1.5688	1.4944	1.4785	Ave		1.5135				3.8		20.0			
Dibromofluoromethane (Surr)	1.2717 1.3139	1.3358 1.3488	1.3094 1.3626	1.3197	1.3210	Ave		1.3229				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7814 0.7986	0.8046 0.8371	0.7678 0.8129	0.7687	0.7987	Ave		0.7962				2.9		20.0			
Toluene-d8 (Surr)	2.0777 2.1235	2.0978 2.0901	2.1067 2.0893	2.1112	2.1168	Ave		2.1016				0.7		20.0			
4-Bromofluorobenzene (Surr)	0.7125 0.7333	0.7119 0.7369	0.7162 0.7283	0.7351	0.7324	Ave		0.7258				1.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4730 301041	13186 624086	27942 1253697	68873	128034	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	6941 296363	14821 594435	28428 1184747	67311	123474	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4754 269390	12312 549792	25517 1095567	60991	114760	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	6014 276552	12141 545132	26808 1094079	61507	114226	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3467 188702	8382 376714	16410 765682	41732	78757	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 170477	7911 343093	16139 697199	39844	72948	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	9321 450516	20860 904395	41246 1811787	101423	189803	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	7063 444926	18820 893289	39566 1789987	100135	185448	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4144 232641	10029 457670	19256 903468	47681	92829	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3342 208190	8443 410530	15384 813481	36038	81993	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 250972	10014 498342	20927 967757	54371	102186	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4298 218187	9828 430119	19267 838571	47858	89583	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	7336 333042	15398 660829	28550 1283666	67910	135788	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7808 435242	19435 852791	35625 1689113	90709	174871	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	14382 890715	40443 1767200	75474 3436586	188874	369103	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl acetate	FB	Ave	15824 875911	39777 1750098	70567 3409975	168697	354504	2.00 125	5.00 250	10.0 500	25.0	50.0
Allyl chloride	FB	Ave	8664 390001	18900 752080	34674 1470250	85486	161055	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylene Chloride	FB	Lin1	+++++ 258368	21962 487918	30043 948203	63925	111404	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 239984	8887 491802	17981 920862	49610	93406	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	12611 728174	32007 1442898	57932 2821527	147612	295444	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4213 233007	11279 460987	20773 888987	49693	98292	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13553 901952	38533 1775189	73559 3466555	174657	359064	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5827 368751	17869 716994	33597 1377751	79550	152333	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18539 1047914	44134 2114769	77622 4201250	196465	399500	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	8007 462601	20766 900771	37737 1766687	100710	187155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9513 532235	21767 1066040	42799 2103349	109341	211935	2.00 125	5.00 250	10.0 500	25.0	50.0
2,2-Dichloropropane	FB	Ave	6448 368673	18022 722839	31707 1414492	81591	149748	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4397 260887	12887 518972	21166 1008638	55801	108818	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobromomethane	FB	Ave	2024 135818	5238 264196	10557 516586	28661	53939	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 147313	6112 290119	14864 562460	32166	59009	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8973 457027	22301 886828	39604 1730371	98075	190133	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6845 401495	18447 787406	33811 1543925	88123	163546	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5993 483618	20878 944857	42082 1830685	105269	195000	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	5172 265080	13531 552301	23078 1048782	50081	105663	10.0 625	25.0 1250	50.0 2500	125	250
1,1-Dichloropropene	FB	Ave	6018 331785	14374 655936	28745 1272727	71288	138246	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4781 372892	15670 736487	30504 1438923	80398	151188	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	16766 929895	42627 1803239	80119 3501246	199077	376796	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	7566 347482	18224 652690	34002 1268418	73499	139863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	7080 402877	18391 778508	33916 1496062	81864	162276	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4480 254002	11911 498820	21657 981309	53953	106015	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4917 395124	17156 785929	33480 1525166	84789	160717	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3804 256361	11133 488661	20314 975951	53902	102770	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	+++++ 25442	+++++ 56306	879 99175	5983	9027	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2334 164539	6864 325082	14187 636303	34829	66863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	5629 360701	14665 707212	29042 1401924	73129	142654	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2380 167713	5973 337670	13378 661248	32595	65248	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6058 405394	17182 803243	32691 1594522	80746	161028	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	21142 1263853	50843 2486207	98572 4859187	242968	501918	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	9358 586489	27021 1151776	49619 2259465	126488	240345	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4378 308070	11787 620135	21220 1239978	56572	118377	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	5735 386386	15067 763245	29063 1510957	74855	151139	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	3035 184006	8276 361465	14017 719138	37239	74593	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14801 874175	36753 1742886	66386 3408963	161891	338870	2.00 125	5.00 250	10.0 500	25.0	50.0
Tetrachloroethene	CBZ	Ave	4526 281396	12126 546309	22584 1085325	59365	114740	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	6307 371353	15538 729302	30328 1440933	77415	151660	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromochloromethane	CBZ	Ave	4365 277322	11038 553748	20108 1118399	54497	107977	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	3703 244810	9551 476701	20090 949073	48062	95362	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	12283 690022	29897 1343077	57788 2662215	145561	278417	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	21127 1145546	54203 2267405	97937 4416277	242338	464541	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4463 265675	11406 534082	20668 1059719	57696	107030	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	7369 463607	19956 903371	36963 1770809	97888	187387	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	7356 466939	20039 905289	38284 1781894	95633	184399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	12032 768947	30386 1527311	60719 3026047	155933	307155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	19411 1188422	52209 2330372	100284 4600013	253803	482612	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	2342 168211	6319 349734	11310 709342	31355	63975	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4169 285910	11818 571845	22827 1133347	56353	110951	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 108283	4091 218016	7189 442481	20763	41368	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	24096 1373894	59805 2677889	112059 5251776	281944	555749	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1240 94280	3486 188045	7803 366522	19612	38771	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	5051 312896	12410 616078	25115 1219050	64438	127962	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	15719 1033241	44764 2025395	84671 3990713	215472	417285	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	3829 270342	11587 534694	22371 1058966	57394	108529	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	4872 286445	11585 559249	23342 1114536	58007	113996	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	3647 218419	9864 433546	17773 855894	47570	90191	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	16678 1070211	44671 2085528	86632 4146539	225098	420664	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	18868 1278275	55029 2518596	105213 4956140	271164	515360	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	17113 1074914	46975 2113048	87319 4200316	229151	430176	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	9587 598020	25514 1178335	48238 2368902	121966	238573	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	10298 614583	27165 1196637	49396 2377070	123139	243233	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	14600 951266	41252 1879092	76995 3761182	201429	380343	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	9528 586467	24971 1158831	45224 2300155	119592	233673	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	753 58036	3059 121920	5116 241937	11740	23726	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5511 413180	15099 825949	30999 1676862	82181	159922	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	2088 162484	6181 325088	12049 656815	35927	61775	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	11936 937548	31712 1914342	61144 3916853	168846	352178	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	5689 398306	14909 796908	29027 1600126	74537	150520	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	162963 162623	164209 163409	164694 162889	164539	164856	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	100129 98842	98903 101417	96571 97174	95842	99673	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	552453 554868	549779 543933	548788 552249	545675	554801	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	189448 191601	186570 191779	186563 192499	190003	191968	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Dec-2015 14:15:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0049159-004
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:10 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:03:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	128148	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	265902	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	248559	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162963	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	100129	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552453	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	189448	25.0	24.5	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	93	4730	0.4000	0.3562	
12 Chloromethane	50	4.851	4.851	0.000	37	6941	0.4000	0.4987	
13 Vinyl chloride	62	5.088	5.088	0.000	90	4754	0.4000	0.3938	
151 Butadiene	54	5.124	5.124	0.000	88	6014	0.4000	0.4790	
14 Bromomethane	94	5.693	5.693	0.000	78	3467	0.4000	0.4176	
15 Chloroethane	64		5.823				ND	ND	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	94	9321	0.4000	0.4558	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	95	7063	0.4000	0.3679	
18 Ethyl ether	59	6.487	6.475	0.012	95	4144	0.4000	0.4199	
20 Acrolein	56	6.737	6.724	0.012	94	3342	2.00	2.00	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	80	2803	0.4000	0.2649	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	93	4298	0.4000	0.4467	
23 Acetone	43	6.891	6.879	0.012	67	7336	2.00	2.48	
25 Iodomethane	142	7.057	7.056	0.001	95	7808	0.4000	0.4201	
26 Carbon disulfide	76	7.140	7.139	0.001	98	14382	0.4000	0.3780	
27 Methyl acetate	43	7.175	7.163	0.012	99	15824	2.00	2.12	M
28 3-Chloro-1-propene	41	7.187	7.187	0.000	82	8664	0.4000	0.4917	
30 Methylene Chloride	84	7.341	7.341	0.000	97	13835	0.4000	0.1321	
31 2-Methyl-2-propanol	59		7.353				ND	ND	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	96	12611	0.4000	0.4101	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	93	4213	0.4000	0.4105	
33 Acrylonitrile	53	7.602	7.578	0.024	90	13553	4.00	3.66	
35 Hexane	57	7.721	7.709	0.012	90	5827	0.4000	0.3656	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	18539	0.8000	0.8561	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	93	8007	0.4000	0.4055	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	98	9513	2.00	2.12	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	28	6448	0.4000	0.4001	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	82	4397	0.4000	0.3889	
48 Chlorobromomethane	128	8.693	8.693	0.000	89	2024	0.4000	0.3673	
50 Chloroform	83	8.705	8.705	0.000	94	8973	0.4000	0.4437	
49 Tetrahydrofuran	42		8.705				ND	ND	
51 1,1,1-Trichloroethane	97	8.883	8.871	0.012	89	6845	0.4000	0.3959	
52 Cyclohexane	56	8.907	8.906	0.001	83	5993	0.4000	0.3006	
53 Isobutyl alcohol	43	8.954	8.954	0.000	46	5172	10.0	11.0	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	90	6018	0.4000	0.4194	
55 Carbon tetrachloride	117	9.013	9.013	0.000	95	4781	0.4000	0.3127	
57 Benzene	78	9.179	9.179	0.000	93	16766	0.4000	0.4179	
59 n-Heptane	43	9.191	9.191	0.000	58	7566	0.4000	0.4785	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	94	7080	0.4000	0.4139	
62 Trichloroethene	95	9.654	9.653	0.001	93	4480	0.4000	0.4063	
64 Methylcyclohexane	83	9.796	9.796	0.000	93	4917	0.4000	0.3014	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	84	3804	0.4000	0.3601	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.998	9.997	0.001	65	2334	0.4000	0.3410	
68 Dichlorobromomethane	83	10.069	10.069	0.001	94	5629	0.4000	0.3792	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	79	2380	0.4000	0.3554	
72 cis-1,3-Dichloropropene	75	10.389	10.377	0.012	94	6058	0.4000	0.3624	
73 4-Methyl-2-pentanone (MIBK	43	10.425	10.412	0.012	78	21142	2.00	2.08	
74 Toluene	92	10.650	10.650	0.000	96	9358	0.4000	0.3806	
75 Ethyl methacrylate	69	10.721	10.721	0.000	87	4378	0.4000	0.3684	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	91	5735	0.4000	0.3769	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	89	3035	0.4000	0.4015	
80 2-Hexanone	43	11.065	11.053	0.012	74	14801	2.00	2.10	M
81 Tetrachloroethene	166	11.089	11.088	0.001	91	4526	0.4000	0.3913	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	92	6307	0.4000	0.4107	
83 Chlorodibromomethane	129	11.338	11.337	0.001	82	4365	0.4000	0.3950	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	3703	0.4000	0.3797	
88 Ethylbenzene	91	11.812	11.800	0.012	97	21127	0.4000	0.4310	
87 Chlorobenzene	112	11.800	11.800	0.000	96	12283	0.4000	0.4253	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	86	4463	0.4000	0.4039	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	7369	0.4000	0.3883	
91 o-Xylene	106	12.239	12.239	0.000	95	7356	0.4000	0.3870	
92 Styrene	104	12.251	12.250	0.001	91	12032	0.4000	0.3880	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	19411	0.4000	0.4015	
95 Bromoform	173	12.523	12.523	0.000	7	2342	0.4000	0.3595	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	80	4169	0.4000	0.3729	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	1	967	0.4000	0.2351	
99 N-Propylbenzene	91	12.856	12.855	0.001	98	24096	0.4000	0.4329	
100 1,2,3-Trichloropropane	110	12.891	12.879	0.012	76	1240	0.4000	0.3395	
101 Bromobenzene	156	12.915	12.915	0.000	91	5051	0.4000	0.4064	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	92	15719	0.4000	0.3809	
103 2-Chlorotoluene	126	13.022	13.021	0.001	94	3829	0.4000	0.3561	
105 4-Chlorotoluene	126	13.105	13.104	0.001	96	4872	0.4000	0.4262	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	3647	0.4000	0.4066	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	94	16678	0.4000	0.3926	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.496	-0.012	95	18868	0.4000	0.3698	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	94	17113	0.4000	0.3950	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	90	9587	0.4000	0.4007	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	90	10298	0.4000	0.4178	
115 n-Butylbenzene	91	14.006	14.006	0.000	95	14600	0.4000	0.3827	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	9528	0.4000	0.4082	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	1	753	0.4000	0.3131	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	89	5511	0.4000	0.3514	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	74	2088	0.4000	0.3347	
121 Naphthalene	128	16.591	16.579	0.012	1	11936	0.4000	0.3492	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	93	5689	0.4000	0.3781	
S 125 1,2-Dichloroethene, Total	1				0			0.7994	
S 126 1,3-Dichloropropene, Total	1				0			0.7394	
S 123 Total BTEX	1				0			2.00	
S 124 Xylenes, Total	1				0			0.7752	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	0.40	Units: uL	
GAS CORP mix_00125	Amount Added:	0.40	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

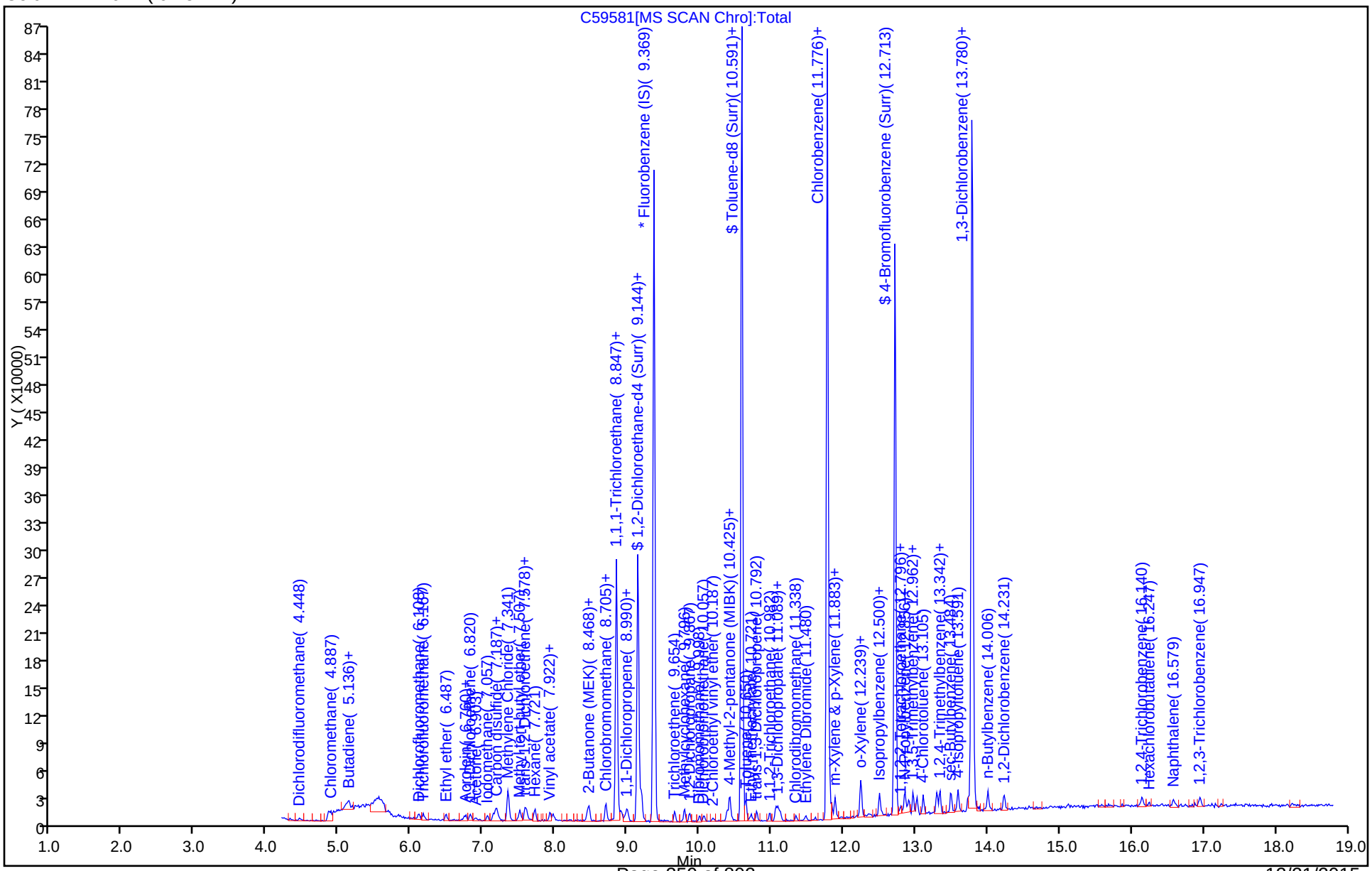
Report Date: 14-Dec-2015 11:36:12 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D

Injection Date:	11-Dec-2015 14:15:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 0.4			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



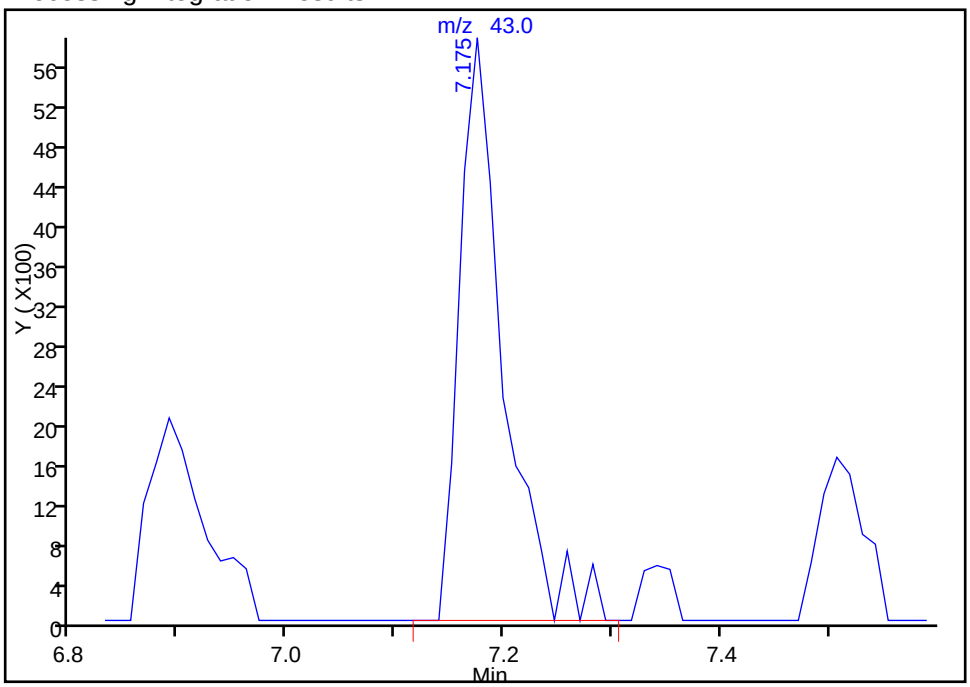
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Injection Date: 11-Dec-2015 14:15:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

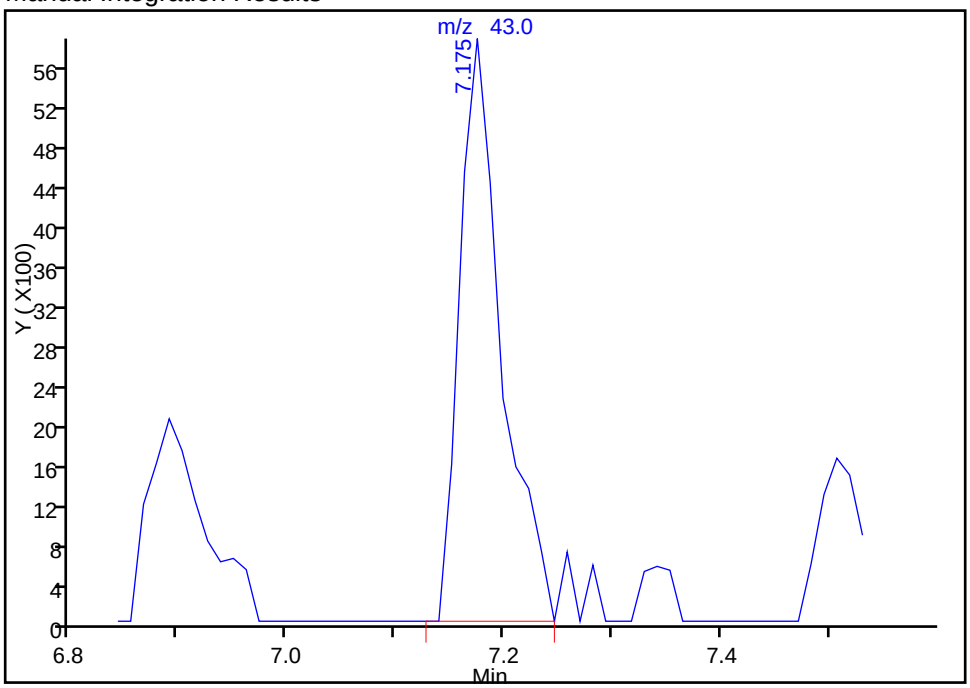
Processing Integration Results

RT: 7.18
Area: 16723
Amount: 2.228572
Amount Units: ug/L



Manual Integration Results

RT: 7.18
Area: 15824
Amount: 2.124677
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:23:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

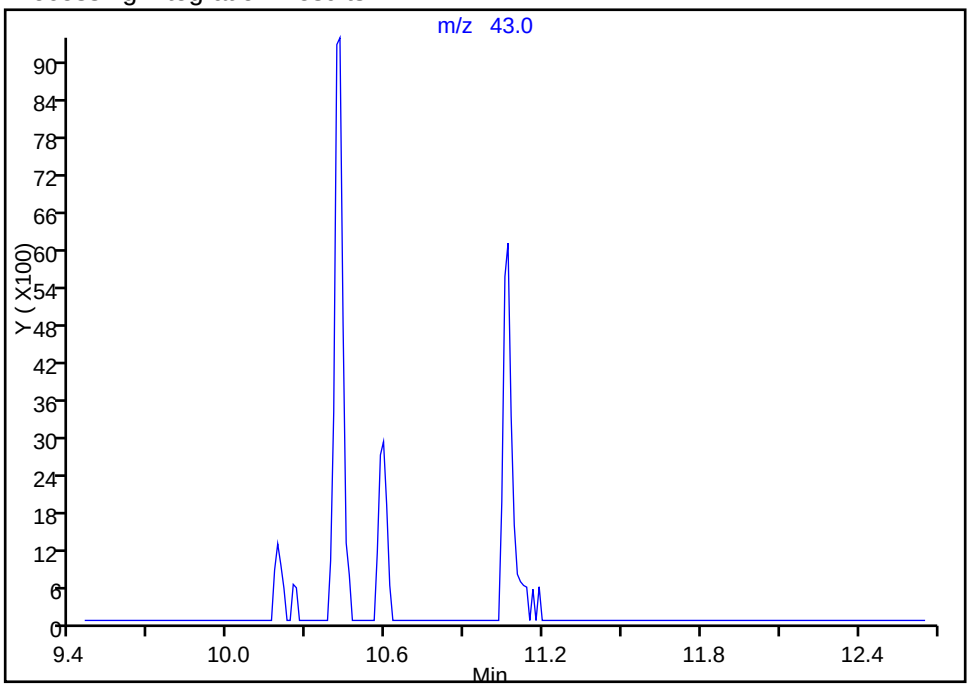
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Injection Date: 11-Dec-2015 14:15:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

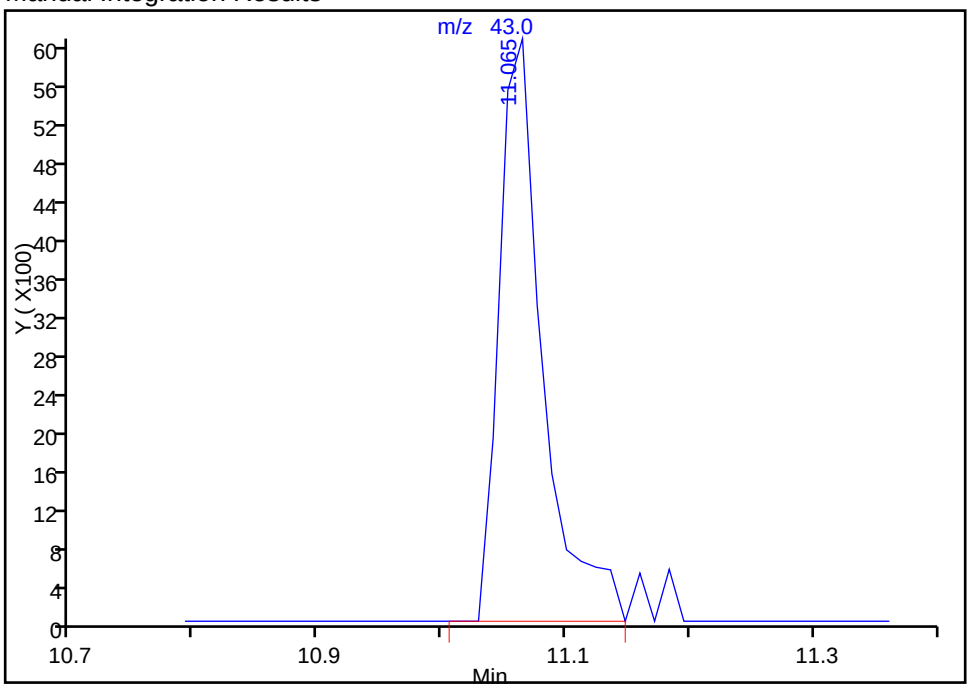
Not Detected
Expected RT: 11.05

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 14801
Amount: 2.104241
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:24:40
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Dec-2015 14:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0049159-005
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:15 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:03:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	122928	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262076	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.780	0.012	96	247524	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164209	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98903	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	549779	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	186570	25.0	24.5	
10 Dichlorodifluoromethane	85	4.459	4.448	0.011	97	13186	1.00	1.04	
12 Chloromethane	50	4.851	4.851	0.000	98	14821	1.00	1.11	
13 Vinyl chloride	62	5.088	5.088	0.000	96	12312	1.00	1.06	
151 Butadiene	54	5.124	5.124	0.000	90	12141	1.00	1.01	
14 Bromomethane	94	5.693	5.693	0.000	95	8382	1.00	1.05	
15 Chloroethane	64	5.835	5.823	0.012	97	7911	1.00	1.07	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	20860	1.00	1.06	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	96	18820	1.00	1.02	
18 Ethyl ether	59	6.487	6.475	0.012	93	10029	1.00	1.06	
20 Acrolein	56	6.736	6.724	0.012	76	8443	5.00	5.27	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	10014	1.00	0.9864	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	9828	1.00	1.06	
23 Acetone	43	6.890	6.879	0.011	99	15398	5.00	5.42	
25 Iodomethane	142	7.056	7.056	0.000	96	19435	1.00	1.09	
26 Carbon disulfide	76	7.139	7.139	0.000	99	40443	1.00	1.11	
27 Methyl acetate	43	7.175	7.163	0.012	98	39777	5.00	5.57	
28 3-Chloro-1-propene	41	7.199	7.187	0.012	79	18900	1.00	1.12	
30 Methylene Chloride	84	7.341	7.341	0.000	98	21962	1.00	1.03	
31 2-Methyl-2-propanol	59	7.365	7.353	0.012	44	8887	10.0	9.48	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	32007	1.00	1.09	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	94	11279	1.00	1.15	
33 Acrylonitrile	53	7.590	7.578	0.012	96	38533	10.0	10.8	M
35 Hexane	57	7.721	7.709	0.012	93	17869	1.00	1.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	97	44134	2.00	2.12	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	20766	1.00	1.10	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	21767	5.00	5.05	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	76	18022	1.00	1.17	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	12887	1.00	1.19	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	5238	1.00	0.99	
50 Chloroform	83	8.705	8.705	0.000	93	22301	1.00	1.15	
49 Tetrahydrofuran	42	8.717	8.705	0.012	57	6112	2.00	1.99	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	18447	1.00	1.11	
52 Cyclohexane	56	8.906	8.906	0.000	92	20878	1.00	1.09	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	13531	25.0	30.1	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	91	14374	1.00	1.04	
55 Carbon tetrachloride	117	9.013	9.013	0.000	96	15670	1.00	1.07	
57 Benzene	78	9.179	9.179	0.000	94	42627	1.00	1.11	
59 n-Heptane	43	9.191	9.191	0.000	92	18224	1.00	1.20	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	18391	1.00	1.12	
62 Trichloroethene	95	9.653	9.653	0.000	96	11911	1.00	1.13	
64 Methylcyclohexane	83	9.796	9.796	0.000	94	17156	1.00	1.10	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	11133	1.00	1.10	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.997	9.997	0.000	90	6864	1.00	1.05	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	14665	1.00	1.03	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	5973	1.00	0.9299	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	95	17182	1.00	1.07	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	89	50843	5.00	5.07	
74 Toluene	92	10.650	10.650	0.000	97	27021	1.00	1.12	
75 Ethyl methacrylate	69	10.721	10.721	0.000	88	11787	1.00	1.01	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	15067	1.00	1.00	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	90	8276	1.00	1.11	
80 2-Hexanone	43	11.065	11.053	0.012	98	36753	5.00	5.30	M
81 Tetrachloroethene	166	11.088	11.088	0.000	96	12126	1.00	1.06	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	92	15538	1.00	1.03	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	11038	1.00	1.01	
84 Ethylene Dibromide	107	11.480	11.480	0.000	95	9551	1.00	0.99	
88 Ethylbenzene	91	11.812	11.800	0.012	96	54203	1.00	1.12	
87 Chlorobenzene	112	11.800	11.800	0.000	83	29897	1.00	1.05	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	85	11406	1.00	1.05	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	19956	1.00	1.07	
91 o-Xylene	106	12.239	12.239	0.000	95	20039	1.00	1.07	
92 Styrene	104	12.251	12.250	0.000	88	30386	1.00	0.99	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	52209	1.00	1.08	
95 Bromoform	173	12.523	12.523	0.000	88	6319	1.00	0.9843	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	92	11818	1.00	1.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	37	4091	1.00	1.00	
99 N-Propylbenzene	91	12.855	12.855	0.000	97	59805	1.00	1.08	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	3486	1.00	0.9583	
101 Bromobenzene	156	12.915	12.915	0.000	90	12410	1.00	1.00	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	44764	1.00	1.09	
103 2-Chlorotoluene	126	13.021	13.021	0.000	95	11587	1.00	1.08	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	11585	1.00	1.02	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	9864	1.00	1.10	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	95	44671	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	55029	1.00	1.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.000	96	46975	1.00	1.09	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	96	25514	1.00	1.07	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	27165	1.00	1.11	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	41252	1.00	1.09	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	24971	1.00	1.07	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	71	3059	1.00	1.28	
119 1,2,4-Trichlorobenzene	180	16.152	16.140	0.012	90	15099	1.00	0.9668	
120 Hexachlorobutadiene	225	16.247	16.235	0.012	88	6181	1.00	0.99	
121 Naphthalene	128	16.579	16.579	0.000	97	31712	1.00	0.9318	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	92	14909	1.00	0.99	
S 125 1,2-Dichloroethene, Total	1				0			2.33	
S 126 1,3-Dichloropropene, Total	1				0			2.08	
S 123 Total BTEX	1				0			5.48	
S 124 Xylenes, Total	1				0			2.14	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
GAS CORP mix_00125	Amount Added:	1.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

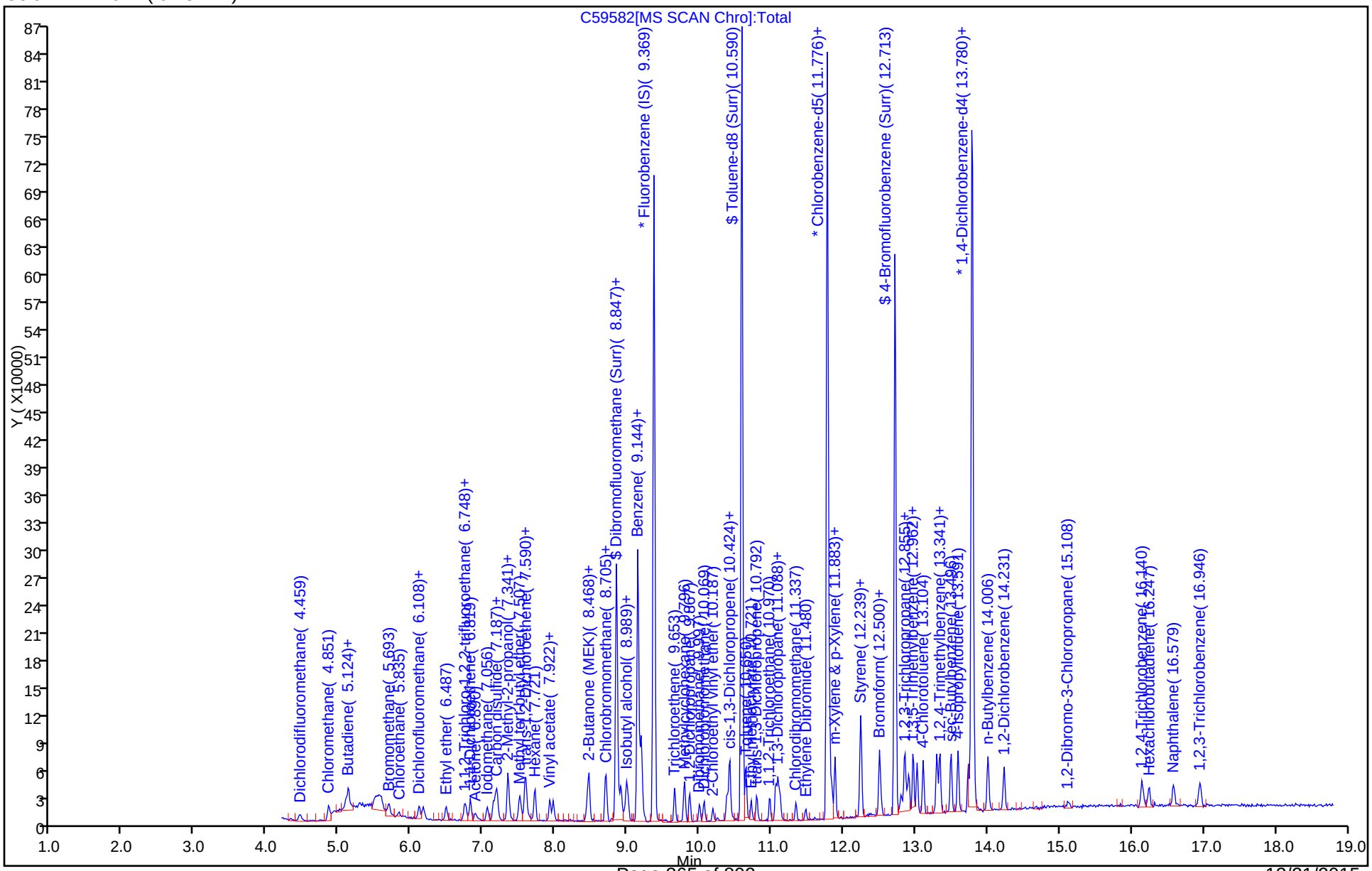
Report Date: 14-Dec-2015 11:36:18 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D

Injection Date:	11-Dec-2015 14:41:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

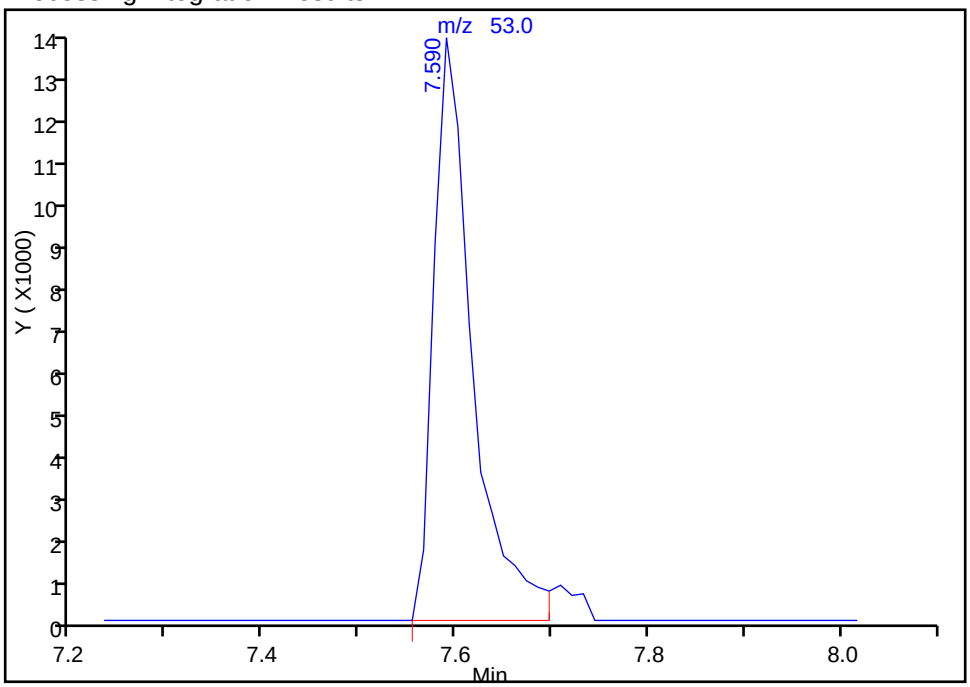
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Injection Date: 11-Dec-2015 14:41:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

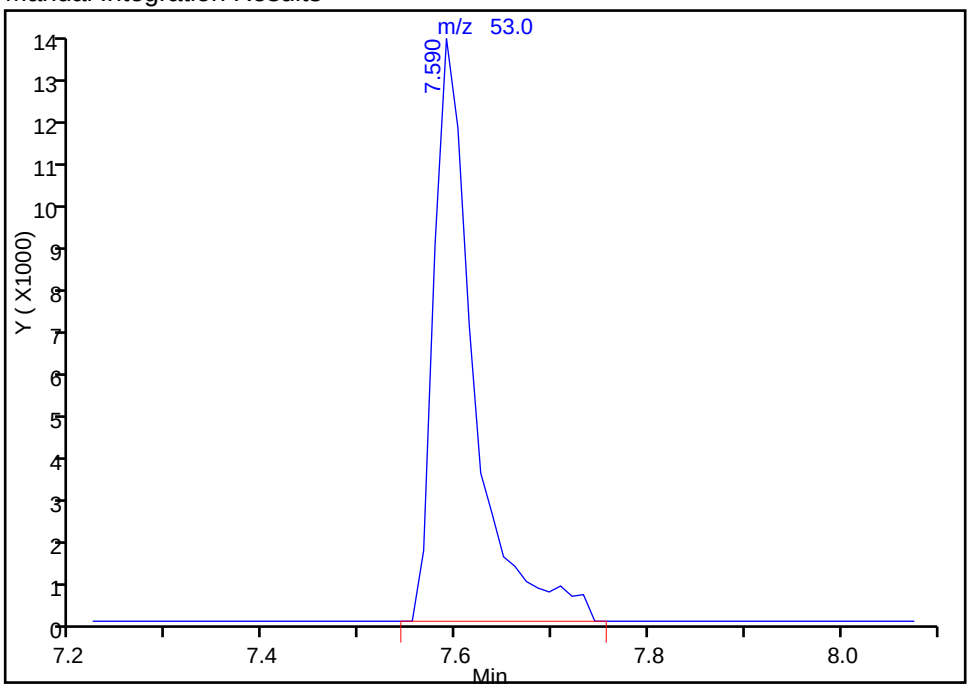
Processing Integration Results

RT: 7.59
Area: 37130
Amount: 10.542457
Amount Units: ug/L



Manual Integration Results

RT: 7.59
Area: 38533
Amount: 10.843081
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:25:29
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

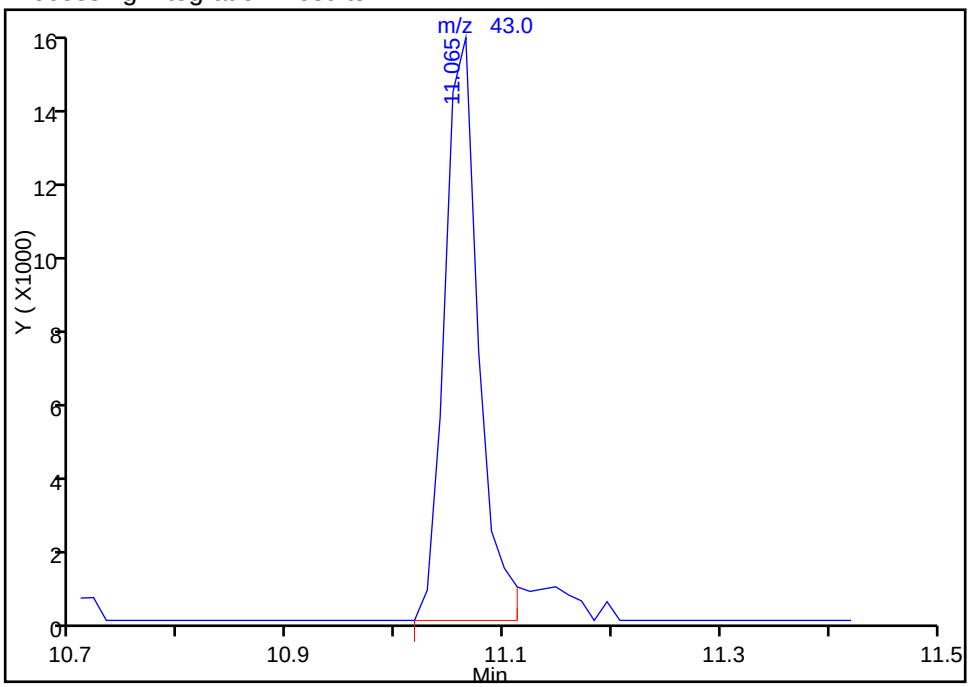
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Injection Date: 11-Dec-2015 14:41:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

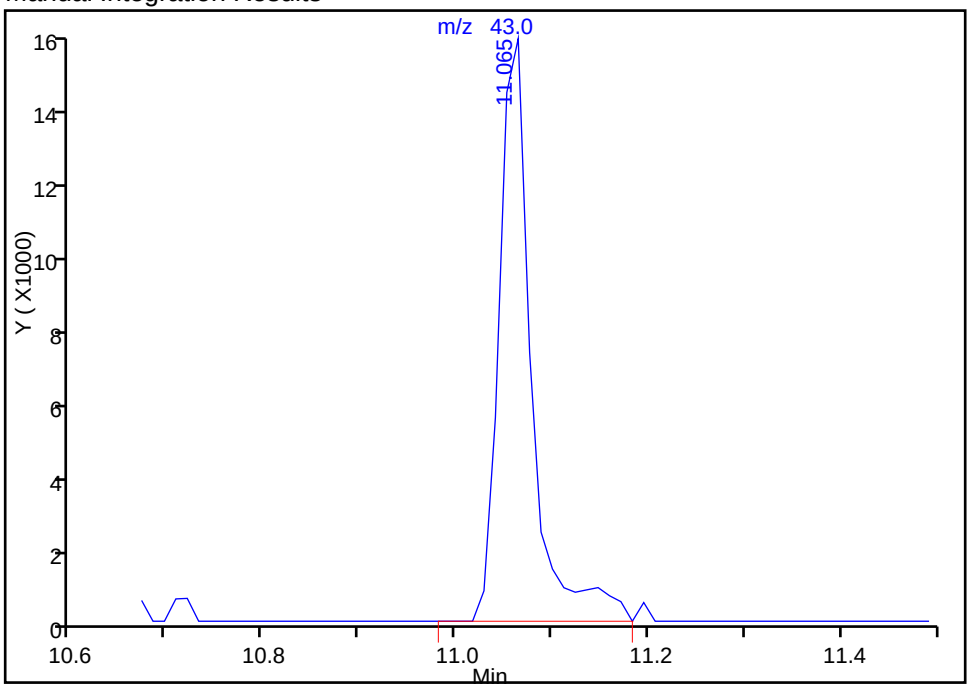
Processing Integration Results

RT: 11.06
Area: 34101
Amount: 5.003609
Amount Units: ug/L



Manual Integration Results

RT: 11.06
Area: 36753
Amount: 5.301413
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:24:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Dec-2015 15:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049159-006
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:21 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:33:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	125780	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260495	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	246720	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164694	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	96571	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	548788	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	186563	25.0	24.7	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	97	27942	2.00	2.14	
12 Chloromethane	50	4.851	4.851	0.000	99	28428	2.00	2.08	
13 Vinyl chloride	62	5.088	5.088	0.000	96	25517	2.00	2.15	
151 Butadiene	54	5.124	5.124	0.000	89	26808	2.00	2.18	
14 Bromomethane	94	5.681	5.693	-0.012	92	16410	2.00	2.01	
15 Chloroethane	64	5.823	5.823	0.000	97	16139	2.00	2.13	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	41246	2.00	2.05	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	98	39566	2.00	2.10	
18 Ethyl ether	59	6.476	6.475	0.001	94	19256	2.00	1.99	
20 Acrolein	56	6.736	6.724	0.012	78	15384	10.0	9.38	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	20927	2.00	2.01	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	19267	2.00	2.04	
23 Acetone	43	6.879	6.879	0.000	100	28550	10.0	9.83	
25 Iodomethane	142	7.057	7.056	0.001	99	35625	2.00	1.95	
26 Carbon disulfide	76	7.140	7.139	0.001	100	75474	2.00	2.02	
27 Methyl acetate	43	7.175	7.163	0.012	98	70567	10.0	9.65	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	34674	2.00	2.00	
30 Methylene Chloride	84	7.341	7.341	0.000	99	30043	2.00	1.80	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	52	17981	20.0	18.7	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	57932	2.00	1.92	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	20773	2.00	2.06	
33 Acrylonitrile	53	7.590	7.578	0.012	99	73559	20.0	20.2	M
35 Hexane	57	7.709	7.709	0.000	92	33597	2.00	2.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	77622	4.00	3.65	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	96	37737	2.00	1.95	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	42799	10.0	9.71	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	31707	2.00	2.00	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	21166	2.00	1.91	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	10557	2.00	1.95	
50 Chloroform	83	8.705	8.705	0.000	97	39604	2.00	2.00	
49 Tetrahydrofuran	42	8.705	8.705	0.000	60	14864	4.00	4.72	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	33811	2.00	1.99	
52 Cyclohexane	56	8.907	8.906	0.001	90	42082	2.00	2.15	
53 Isobutyl alcohol	43	8.954	8.954	0.000	91	23078	50.0	50.1	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	94	28745	2.00	2.04	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	97	30504	2.00	2.03	
57 Benzene	78	9.179	9.179	0.000	96	80119	2.00	2.03	
59 n-Heptane	43	9.191	9.191	0.000	93	34002	2.00	2.19	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	33916	2.00	2.02	
62 Trichloroethene	95	9.654	9.653	0.001	94	21657	2.00	2.00	
64 Methylcyclohexane	83	9.796	9.796	0.000	97	33480	2.00	2.09	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	20314	2.00	1.96	
66 1,4-Dioxane	88	9.938	9.926	0.012	0	879	40.0	29.4	M
67 Dibromomethane	93	9.998	9.997	0.001	96	14187	2.00	2.11	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	29042	2.00	1.99	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	13378	2.00	2.04	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	32691	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	98572	10.0	9.89	
74 Toluene	92	10.650	10.650	0.000	97	49619	2.00	2.06	
75 Ethyl methacrylate	69	10.721	10.721	0.000	92	21220	2.00	1.82	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	29063	2.00	1.95	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	93	14017	2.00	1.89	
80 2-Hexanone	43	11.053	11.053	0.000	95	66386	10.0	9.63	M
81 Tetrachloroethene	166	11.089	11.088	0.001	95	22584	2.00	1.99	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	94	30328	2.00	2.02	
83 Chlorodibromomethane	129	11.338	11.337	0.001	91	20108	2.00	1.86	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	94	20090	2.00	2.10	
88 Ethylbenzene	91	11.800	11.800	0.000	96	97937	2.00	2.04	
87 Chlorobenzene	112	11.800	11.800	0.000	88	57788	2.00	2.04	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	90	20668	2.00	1.91	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	36963	2.00	1.99	
91 o-Xylene	106	12.239	12.239	0.000	97	38284	2.00	2.06	
92 Styrene	104	12.251	12.250	0.001	93	60719	2.00	2.00	
94 Isopropylbenzene	105	12.500	12.500	0.000	95	100284	2.00	2.09	
95 Bromoform	173	12.523	12.523	0.000	91	11310	2.00	1.77	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	22827	2.00	2.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	78	7189	2.00	1.76	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	112059	2.00	2.03	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	7803	2.00	2.15	
101 Bromobenzene	156	12.915	12.915	0.000	97	25115	2.00	2.04	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	84671	2.00	2.07	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	22371	2.00	2.10	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	23342	2.00	2.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	93	17773	2.00	2.00	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	95	86632	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	105213	2.00	2.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	87319	2.00	2.03	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	48238	2.00	2.03	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	93	49396	2.00	2.02	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	76995	2.00	2.03	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	45224	2.00	1.95	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.108	0.012	74	5116	2.00	2.14	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	93	30999	2.00	1.99	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	88	12049	2.00	1.95	
121 Naphthalene	128	16.579	16.579	0.000	98	61144	2.00	1.80	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	91	29027	2.00	1.94	
S 125 1,2-Dichloroethene, Total	1				0			3.97	
S 126 1,3-Dichloropropene, Total	1				0			3.94	
S 123 Total BTEX	1				0			10.2	
S 124 Xylenes, Total	1				0			4.04	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	2.00	Units: uL	
GAS CORP mix_00125	Amount Added:	2.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

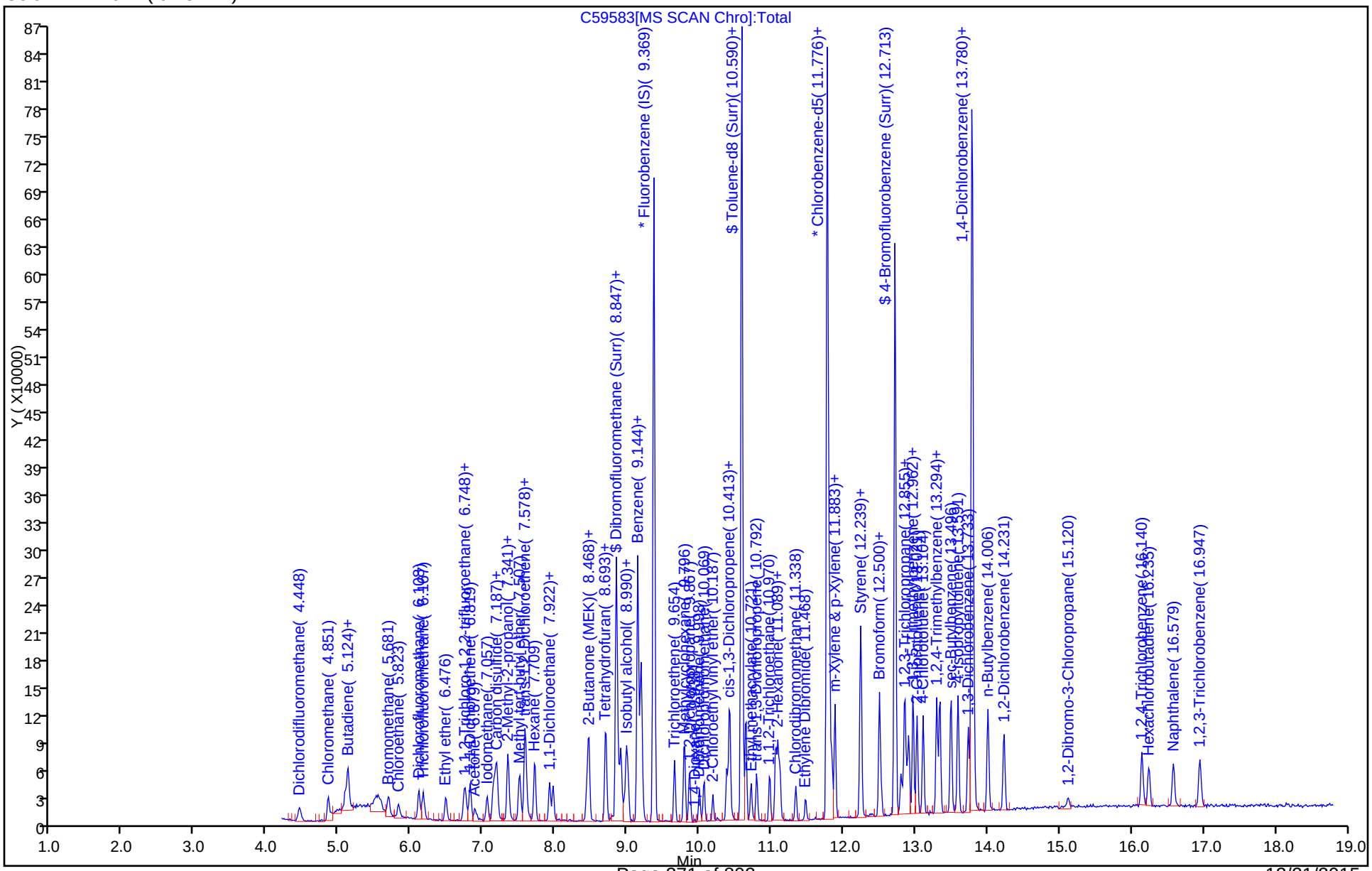
Report Date: 14-Dec-2015 11:36:25 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date:	11-Dec-2015 15:07:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

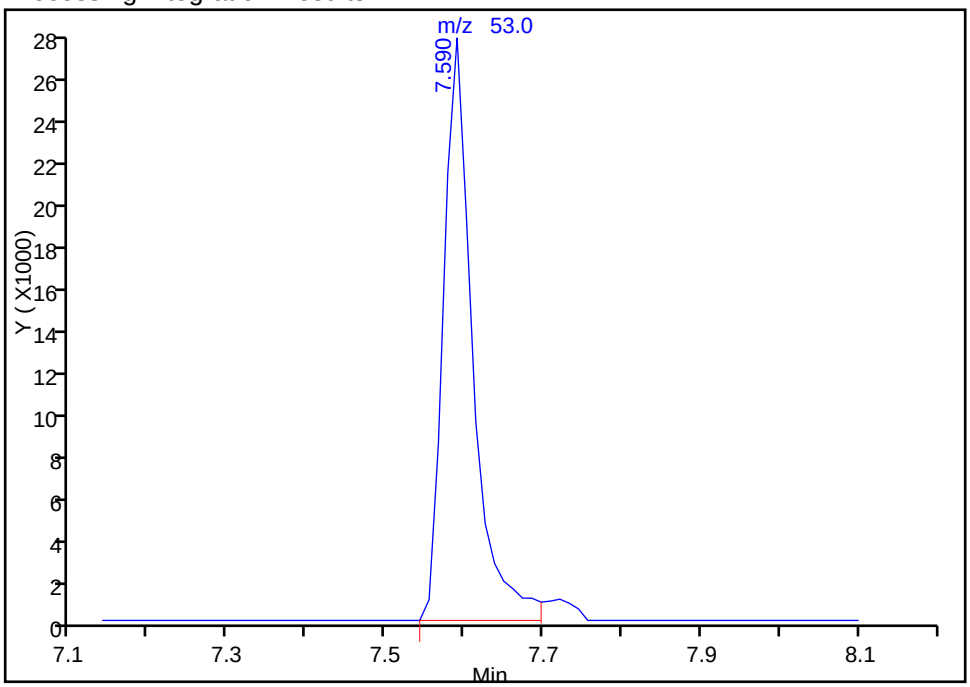
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

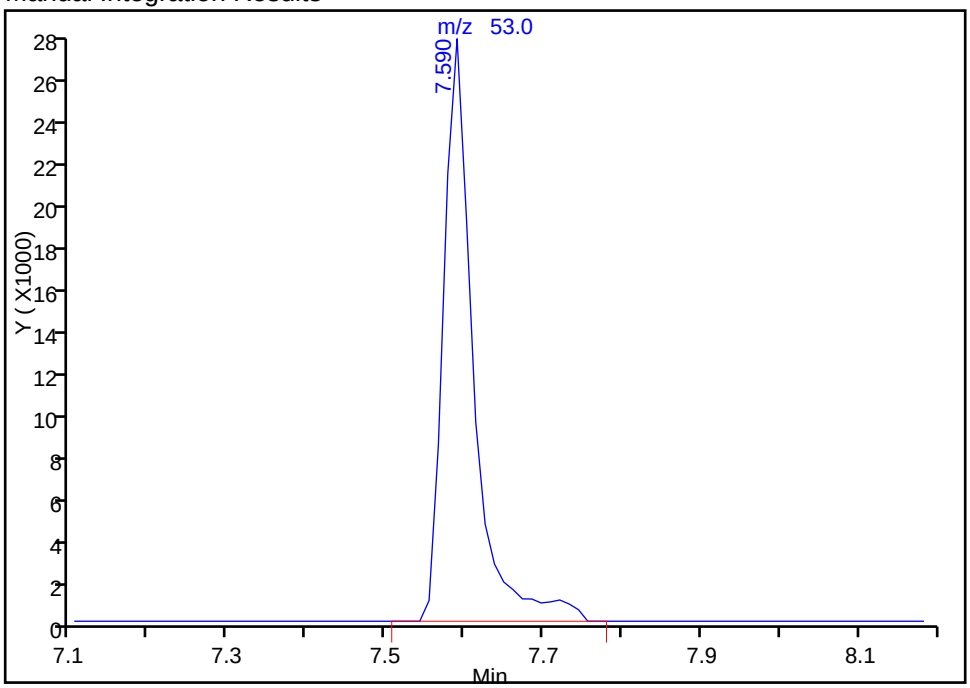
Processing Integration Results

RT: 7.59
Area: 71233
Amount: 19.668904
Amount Units: ug/L



Manual Integration Results

RT: 7.59
Area: 73559
Amount: 20.229955
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

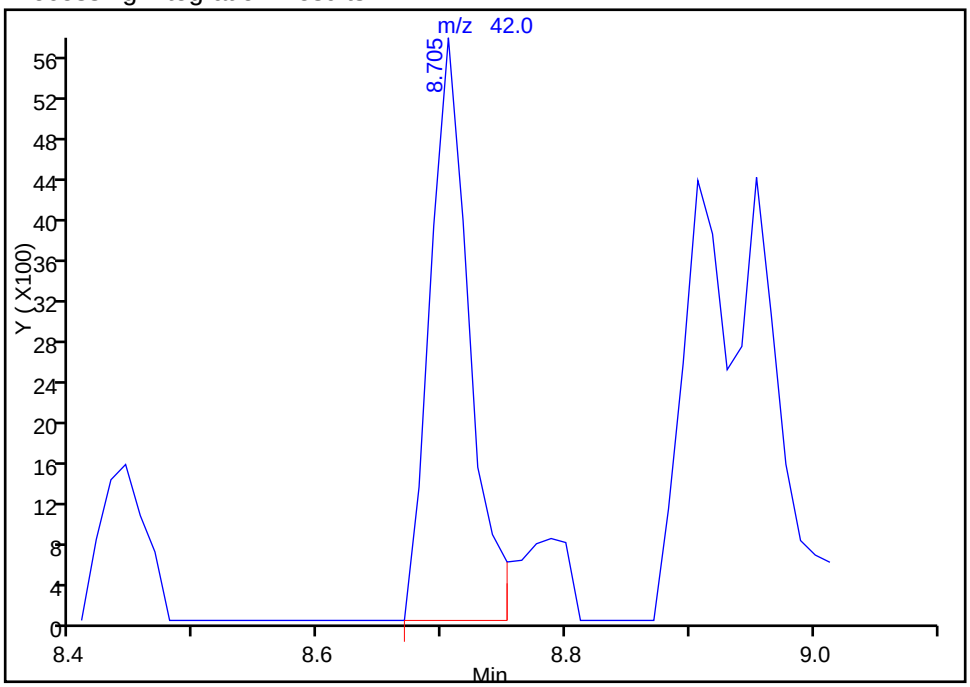
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

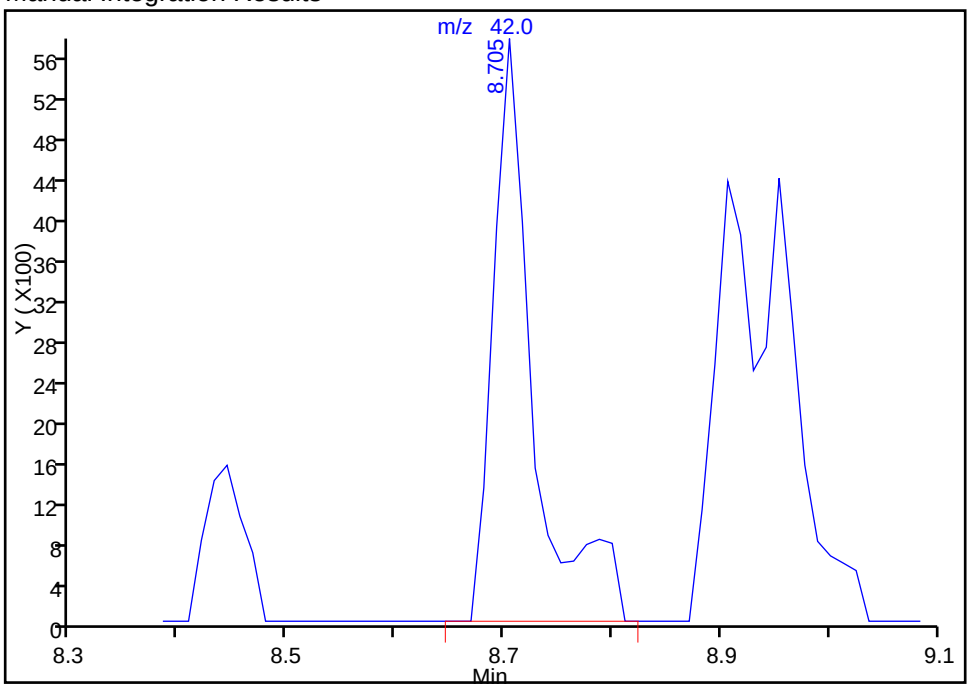
Processing Integration Results

RT: 8.70
Area: 12769
Amount: 4.223486
Amount Units: ug/L



Manual Integration Results

RT: 8.70
Area: 14864
Amount: 4.723692
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

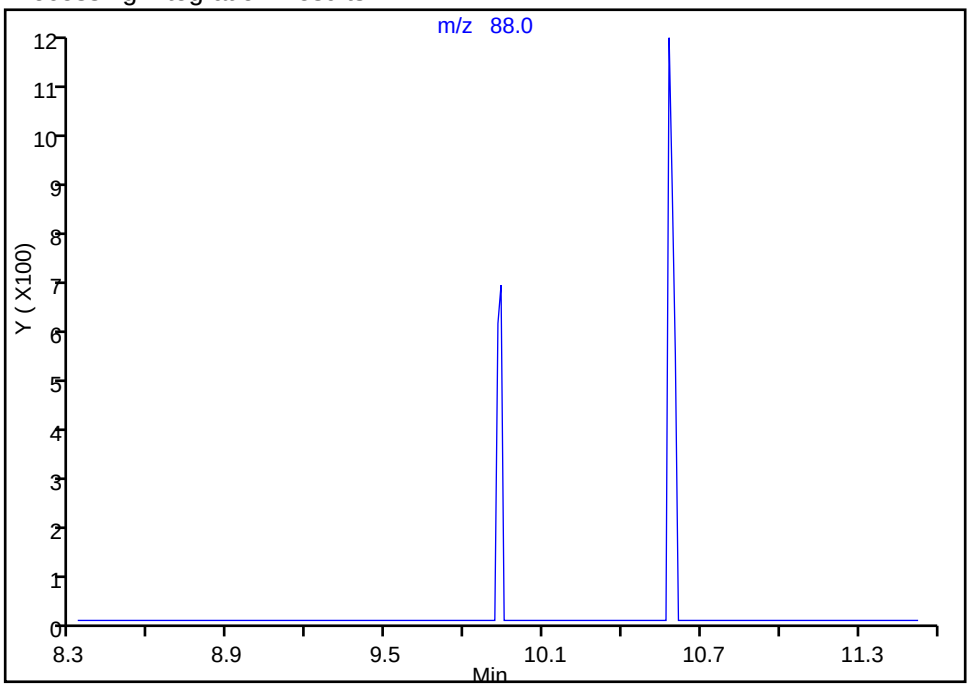
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

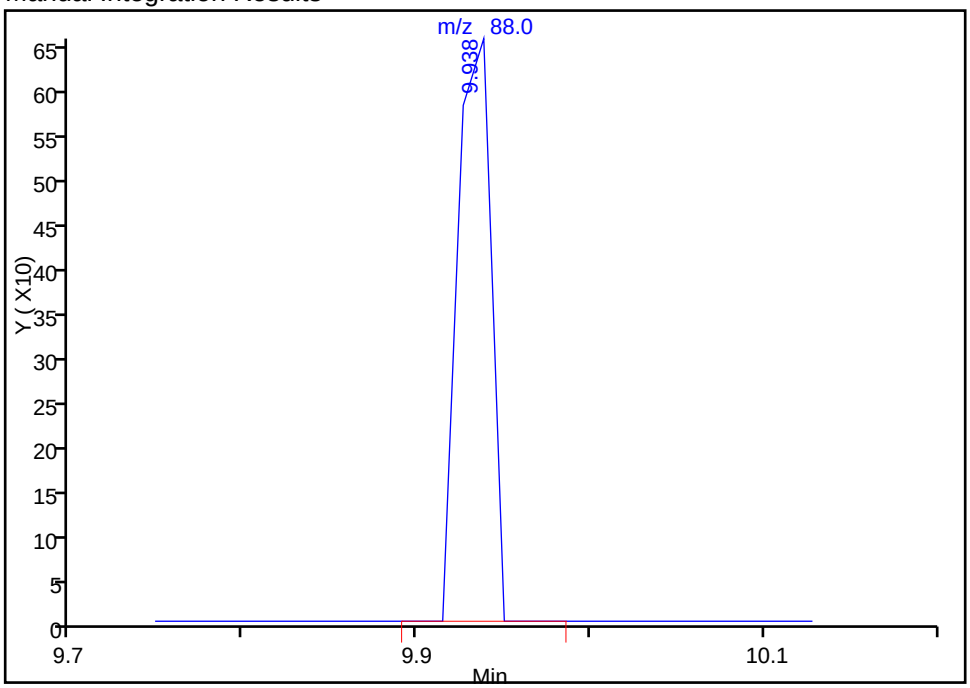
Not Detected
Expected RT: 9.93

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 879
Amount: 29.441910
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

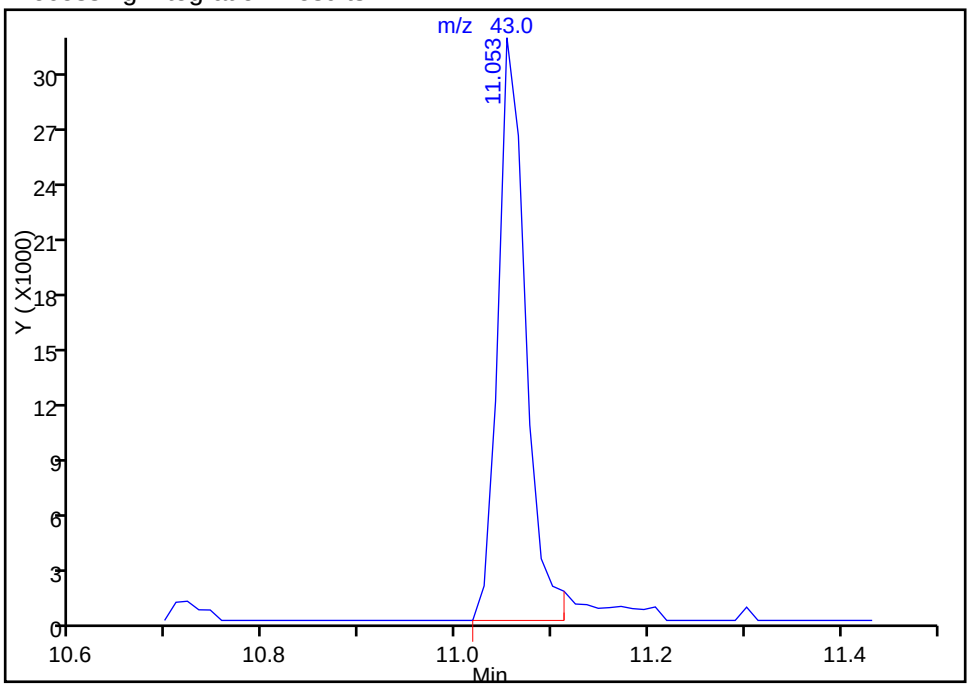
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

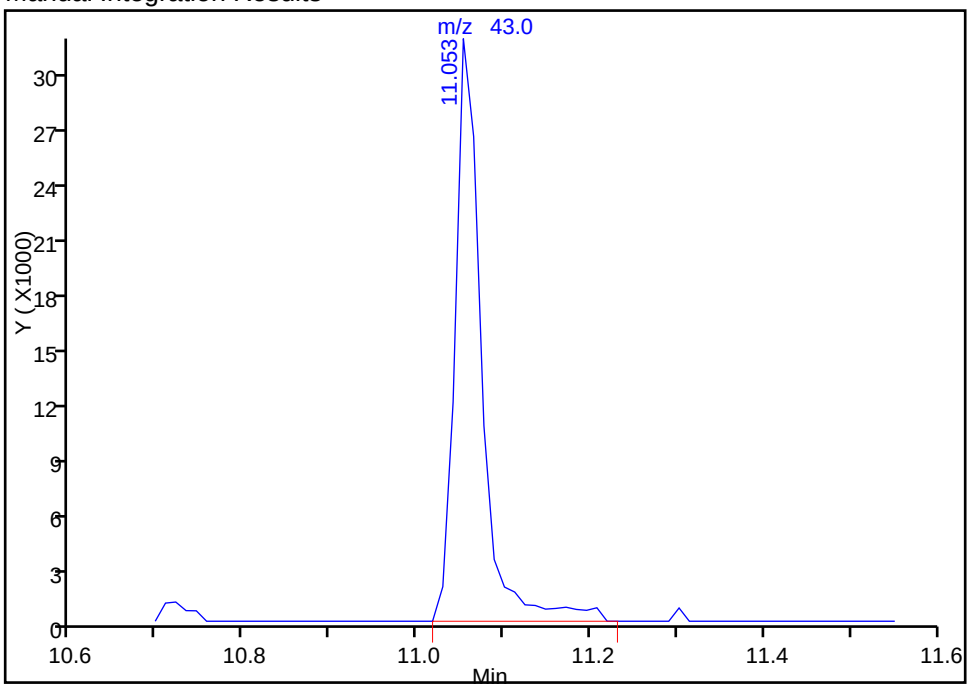
Processing Integration Results

RT: 11.05
Area: 62313
Amount: 9.110161
Amount Units: ug/L



Manual Integration Results

RT: 11.05
Area: 66386
Amount: 9.633924
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Dec-2015 15:58:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049159-007
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:27 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:33:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124682	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	90	258461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	249388	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	164539	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	95842	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	545675	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	190003	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	68873	5.00	5.33	
12 Chloromethane	50	4.839	4.839	0.000	98	67311	5.00	4.97	
13 Vinyl chloride	62	5.076	5.076	0.000	97	60991	5.00	5.19	
151 Butadiene	54	5.124	5.124	0.000	90	61507	5.00	5.04	
14 Bromomethane	94	5.669	5.669	0.000	92	41732	5.00	5.17	
15 Chloroethane	64	5.823	5.823	0.000	99	39844	5.00	5.31	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	101423	5.00	5.10	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	100135	5.00	5.36	
18 Ethyl ether	59	6.475	6.475	0.000	94	47681	5.00	4.97	
20 Acrolein	56	6.724	6.724	0.000	98	36038	25.0	22.2	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	54371	5.00	5.28	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	47858	5.00	5.11	
23 Acetone	43	6.879	6.879	0.000	98	67910	25.0	23.6	
25 Iodomethane	142	7.045	7.045	0.000	98	90709	5.00	5.02	
26 Carbon disulfide	76	7.140	7.140	0.000	99	188874	5.00	5.10	
27 Methyl acetate	43	7.163	7.163	0.000	98	168697	25.0	23.3	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	85486	5.00	4.99	
30 Methylene Chloride	84	7.341	7.341	0.000	98	63925	5.00	5.28	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	49610	50.0	52.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	147612	5.00	4.93	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	94	49693	5.00	4.98	
33 Acrylonitrile	53	7.578	7.578	0.000	99	174657	50.0	48.5	
35 Hexane	57	7.709	7.709	0.000	93	79550	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	196465	10.0	9.32	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	100710	5.00	5.24	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	109341	25.0	25.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	81591	5.00	5.20	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	55801	5.00	5.07	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	28661	5.00	5.35	
50 Chloroform	83	8.705	8.705	0.000	96	98075	5.00	4.98	
49 Tetrahydrofuran	42	8.705	8.705	0.000	52	32166	10.0	10.3	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	88123	5.00	5.24	
52 Cyclohexane	56	8.906	8.906	0.000	92	105269	5.00	5.43	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	50081	125.0	109.7	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	71288	5.00	5.11	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	80398	5.00	5.40	
57 Benzene	78	9.179	9.179	0.000	97	199077	5.00	5.10	
59 n-Heptane	43	9.191	9.191	0.000	94	73499	5.00	4.78	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	81864	5.00	4.92	
62 Trichloroethene	95	9.654	9.654	0.000	94	53953	5.00	5.03	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	84789	5.00	5.34	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	91	53902	5.00	5.24	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	5983	100.0	128.7	M
67 Dibromomethane	93	9.997	9.997	0.000	93	34829	5.00	5.23	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	73129	5.00	5.06	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	32595	5.00	5.00	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	80746	5.00	4.97	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	97	242968	25.0	24.6	
74 Toluene	92	10.650	10.650	0.000	97	126488	5.00	5.29	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	56572	5.00	4.90	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	74855	5.00	5.06	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	37239	5.00	5.07	
80 2-Hexanone	43	11.053	11.053	0.000	97	161891	25.0	23.7	
81 Tetrachloroethene	166	11.088	11.088	0.000	95	59365	5.00	5.28	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	96	77415	5.00	5.19	
83 Chlorodibromomethane	129	11.337	11.337	0.000	89	54497	5.00	5.07	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	48062	5.00	5.07	
88 Ethylbenzene	91	11.812	11.812	0.000	97	242338	5.00	5.09	
87 Chlorobenzene	112	11.800	11.800	0.000	87	145561	5.00	5.19	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	90	57696	5.00	5.37	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	97888	5.00	5.31	
91 o-Xylene	106	12.239	12.239	0.000	98	95633	5.00	5.18	
92 Styrene	104	12.251	12.251	0.000	94	155933	5.00	5.17	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	253803	5.00	5.23	
95 Bromoform	173	12.523	12.523	0.000	93	31355	5.00	4.95	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	56353	5.00	5.02	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	81	20763	5.00	5.03	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	281944	5.00	5.05	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	84	19612	5.00	5.35	
101 Bromobenzene	156	12.915	12.915	0.000	92	64438	5.00	5.17	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	215472	5.00	5.20	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	57394	5.00	5.32	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	58007	5.00	5.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	47570	5.00	5.29	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	94	225098	5.00	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	271164	5.00	5.30	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	229151	5.00	5.27	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	121966	5.00	5.08	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	123139	5.00	4.98	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	201429	5.00	5.26	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	119592	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.120	0.000	82	11740	5.00	4.87	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	82181	5.00	5.22	
120 Hexachlorobutadiene	225	16.247	16.247	0.000	93	35927	5.00	5.74	
121 Naphthalene	128	16.579	16.579	0.000	98	168846	5.00	4.92	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	74537	5.00	4.94	
S 125 1,2-Dichloroethene, Total	1				0			10.0	
S 126 1,3-Dichloropropene, Total	1				0			10.0	
S 123 Total BTEX	1				0			26.0	
S 124 Xylenes, Total	1				0			10.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

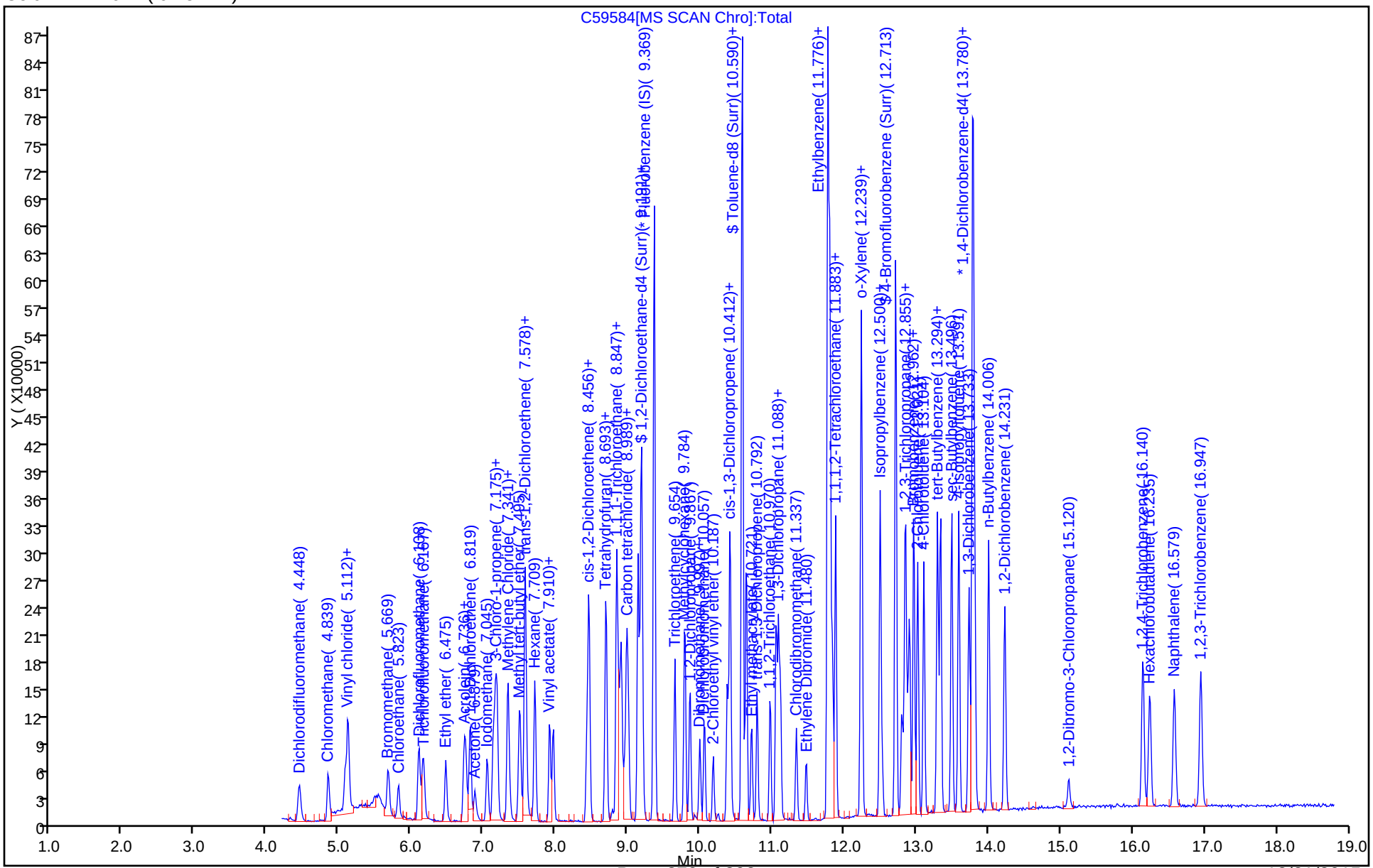
Report Date: 14-Dec-2015 11:36:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D

Injection Date:	11-Dec-2015 15:58:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

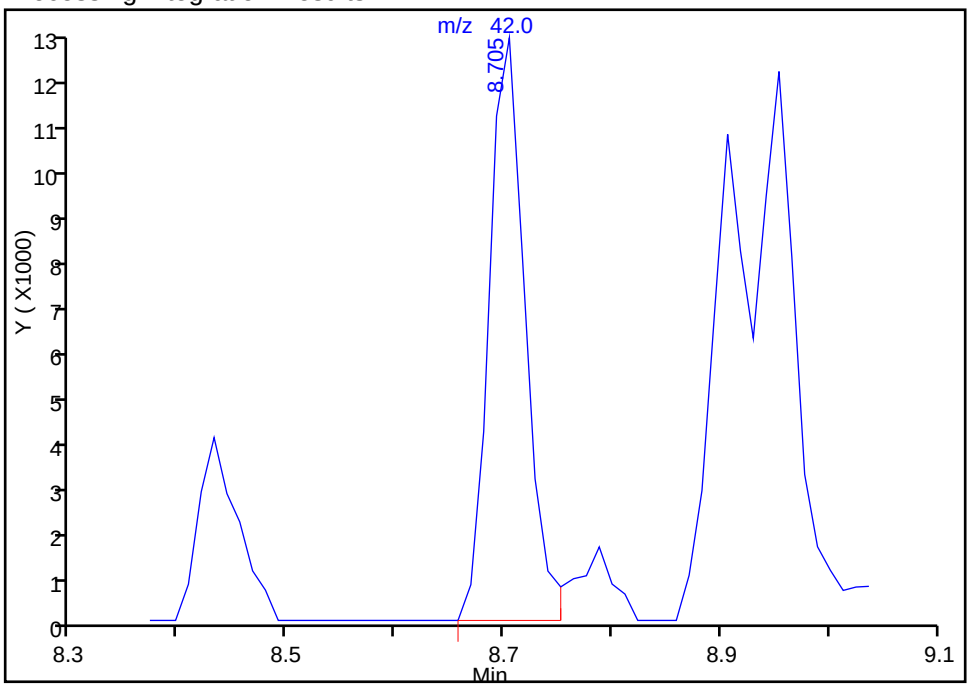
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Injection Date: 11-Dec-2015 15:58:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

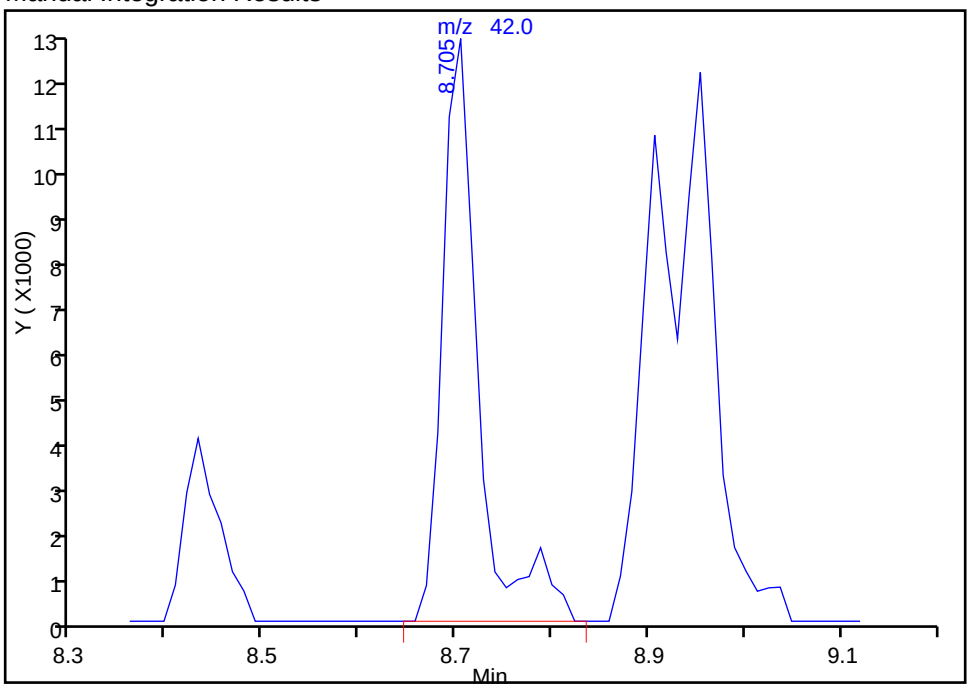
Processing Integration Results

RT: 8.70
Area: 28798
Amount: 9.377073
Amount Units: ug/L



Manual Integration Results

RT: 8.70
Area: 32166
Amount: 10.312187
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:27:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

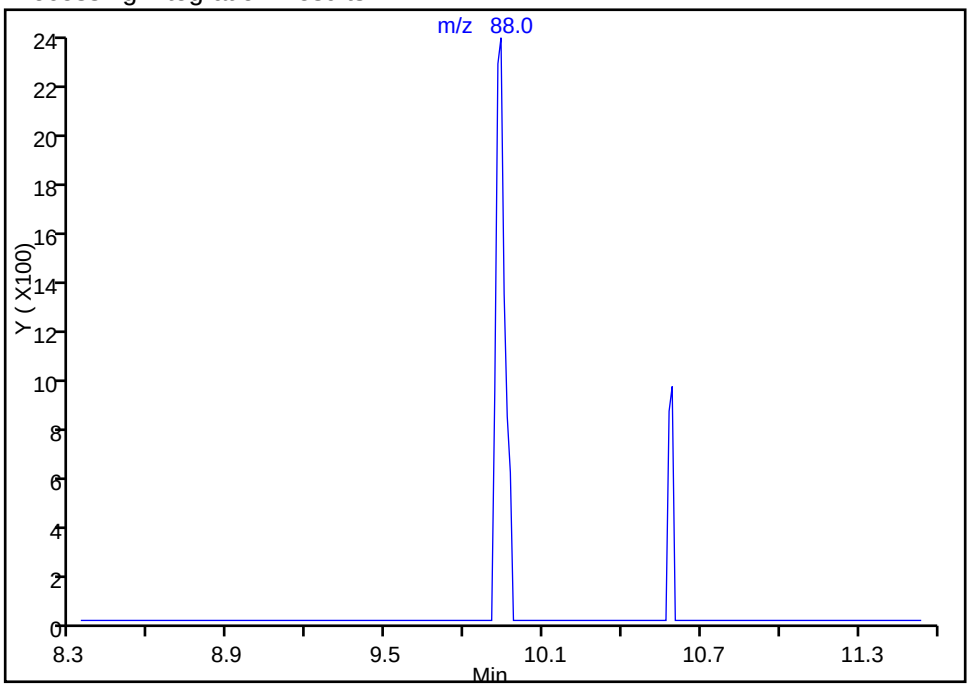
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Injection Date: 11-Dec-2015 15:58:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

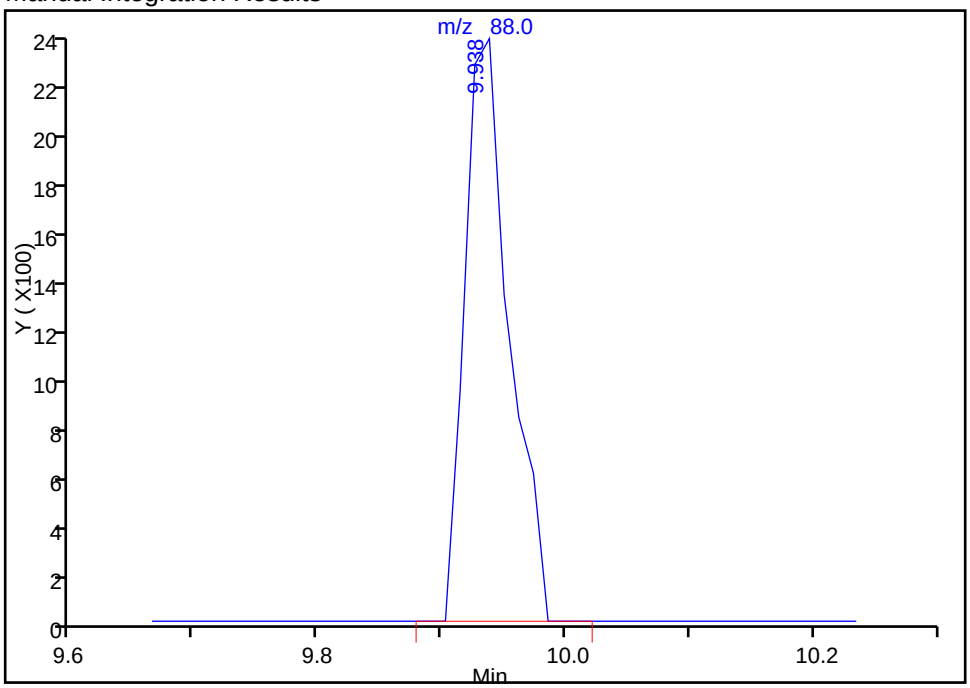
Not Detected
Expected RT: 9.94

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 5983
Amount: 128.7223
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:27:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Dec-2015 16:23:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0049159-008
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:32 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 08:29:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124794	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262097	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	254517	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164856	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	99673	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554801	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	191968	25.0	25.2	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	128034	10.0	9.90	
12 Chloromethane	50	4.839	4.839	0.000	99	123474	10.0	9.11	
13 Vinyl chloride	62	5.076	5.076	0.000	97	114760	10.0	9.76	
151 Butadiene	54	5.124	5.124	0.000	91	114226	10.0	9.34	
14 Bromomethane	94	5.681	5.669	0.012	93	78757	10.0	9.74	
15 Chloroethane	64	5.823	5.823	0.000	99	72948	10.0	9.72	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	189803	10.0	9.53	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	99	185448	10.0	9.92	
18 Ethyl ether	59	6.476	6.475	0.001	94	92829	10.0	9.66	
20 Acrolein	56	6.725	6.724	0.001	99	81993	50.0	50.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	102186	10.0	9.92	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	89583	10.0	9.56	
23 Acetone	43	6.879	6.879	0.000	99	135788	50.0	47.1	
25 Iodomethane	142	7.057	7.045	0.012	99	174871	10.0	9.66	
26 Carbon disulfide	76	7.140	7.140	0.000	100	369103	10.0	9.96	
27 Methyl acetate	43	7.163	7.163	0.000	99	354504	50.0	48.9	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	80	161055	10.0	9.39	
30 Methylene Chloride	84	7.341	7.341	0.000	98	111404	10.0	10.1	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	93406	100.0	98.1	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	295444	10.0	9.87	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	98292	10.0	9.83	
33 Acrylonitrile	53	7.578	7.578	0.000	98	359064	100.0	99.5	
35 Hexane	57	7.709	7.709	0.000	92	152333	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	98	399500	20.0	18.9	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	187155	10.0	9.73	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	211935	50.0	48.5	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	149748	10.0	9.54	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	87	108818	10.0	9.88	
48 Chlorobromomethane	128	8.693	8.693	0.000	95	53939	10.0	10.1	
50 Chloroform	83	8.705	8.705	0.000	97	190133	10.0	9.65	
49 Tetrahydrofuran	42	8.705	8.705	0.000	54	59009	20.0	18.9	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	163546	10.0	9.71	
52 Cyclohexane	56	8.907	8.906	0.001	93	195000	10.0	10.0	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	105663	250.0	231.2	
54 1,1-Dichloropropene	75	8.990	8.978	0.012	94	138246	10.0	9.89	
55 Carbon tetrachloride	117	9.013	9.001	0.012	97	151188	10.0	10.2	
57 Benzene	78	9.179	9.179	0.000	97	376796	10.0	9.64	
59 n-Heptane	43	9.191	9.191	0.000	94	139863	10.0	9.08	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	162276	10.0	9.74	
62 Trichloroethene	95	9.654	9.654	0.000	95	106015	10.0	9.87	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	160717	10.0	10.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	102770	10.0	9.99	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	9027	200.0	185.4	M
67 Dibromomethane	93	9.998	9.997	0.001	95	66863	10.0	10.0	
68 Dichlorobromomethane	83	10.069	10.057	0.012	97	142654	10.0	9.87	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	65248	10.0	10.0	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	161028	10.0	9.89	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	98	501918	50.0	50.1	
74 Toluene	92	10.650	10.650	0.000	98	240345	10.0	9.92	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	118377	10.0	10.1	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	151139	10.0	10.1	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	74593	10.0	10.0	
80 2-Hexanone	43	11.053	11.053	0.000	96	338870	50.0	48.9	
81 Tetrachloroethene	166	11.089	11.088	0.001	96	114740	10.0	10.1	
82 1,3-Dichloropropane	76	11.124	11.112	0.012	94	151660	10.0	10.0	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	107977	10.0	9.91	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	95362	10.0	9.92	
88 Ethylbenzene	91	11.800	11.812	-0.012	96	464541	10.0	9.61	
87 Chlorobenzene	112	11.800	11.800	0.000	87	278417	10.0	9.78	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	107030	10.0	9.83	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	187387	10.0	10.0	
91 o-Xylene	106	12.239	12.239	0.000	98	184399	10.0	9.84	
92 Styrene	104	12.251	12.251	0.000	94	307155	10.0	10.0	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	482612	10.0	9.75	
95 Bromoform	173	12.523	12.523	0.000	94	63975	10.0	9.96	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	110951	10.0	9.69	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.832	-0.012	83	41368	10.0	9.82	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	555749	10.0	9.75	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	38771	10.0	10.4	
101 Bromobenzene	156	12.915	12.915	0.000	91	127962	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	417285	10.0	9.87	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	108529	10.0	9.86	
105 4-Chlorotoluene	126	13.105	13.104	0.000	99	113996	10.0	9.74	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	90191	10.0	9.82	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	95	420664	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	515360	10.0	9.87	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	430176	10.0	9.70	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	238573	10.0	9.74	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	243233	10.0	9.64	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	380343	10.0	9.74	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	233673	10.0	9.78	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.120	-0.011	81	23726	10.0	9.63	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	159922	10.0	9.96	
120 Hexachlorobutadiene	225	16.235	16.247	-0.012	93	61775	10.0	9.67	
121 Naphthalene	128	16.579	16.579	0.000	97	352178	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	150520	10.0	9.77	
S 125 1,2-Dichloroethene, Total	1				0			19.7	
S 126 1,3-Dichloropropene, Total	1				0			20.0	
S 123 Total BTEX	1				0			49.0	
S 124 Xylenes, Total	1				0			19.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

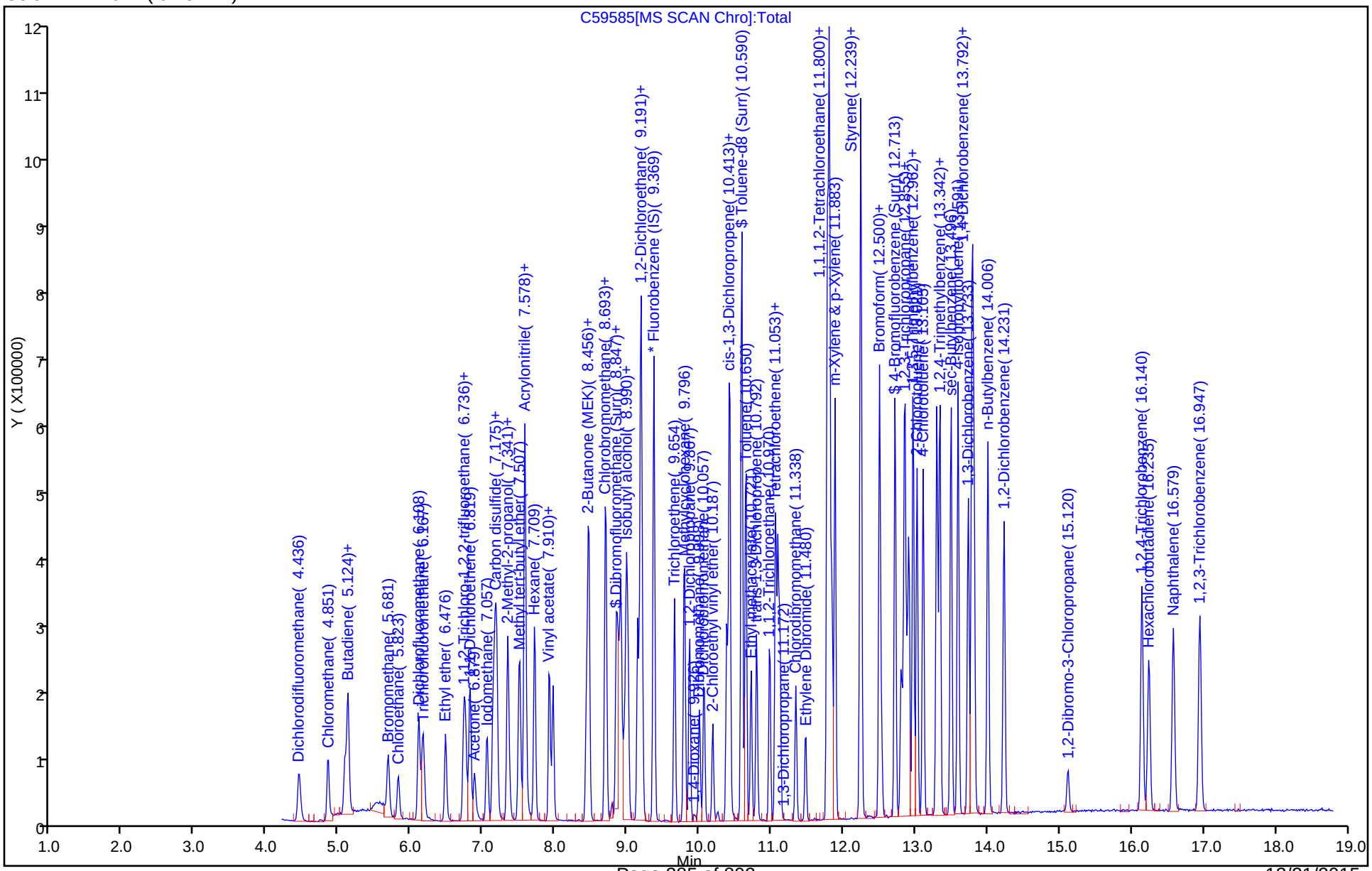
Report Date: 14-Dec-2015 11:36:35 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D

Injection Date:	11-Dec-2015 16:23:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

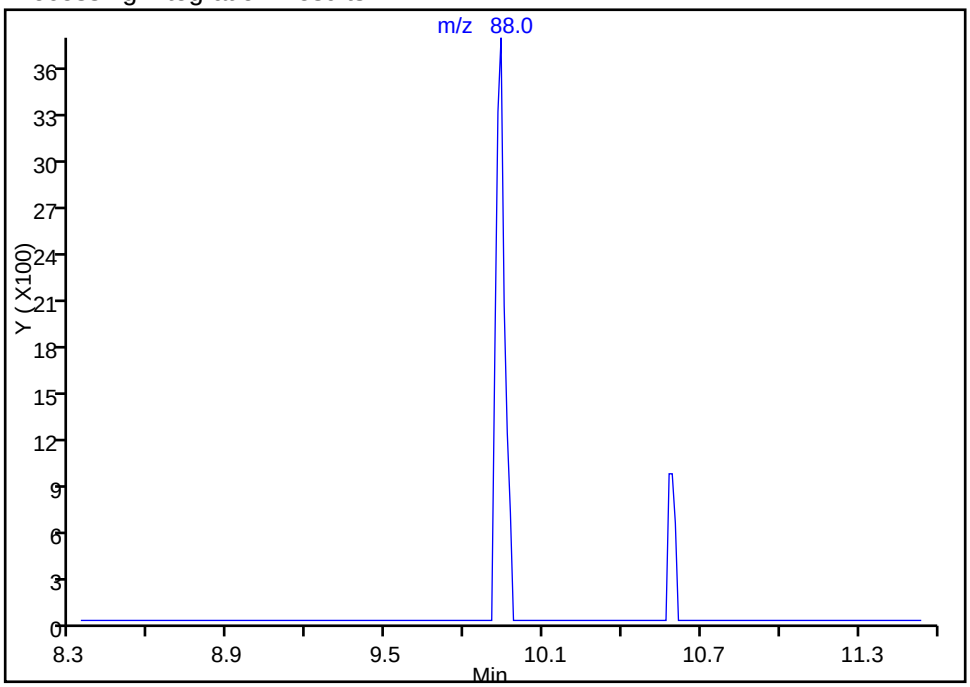
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D
Injection Date: 11-Dec-2015 16:23:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: gtg ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

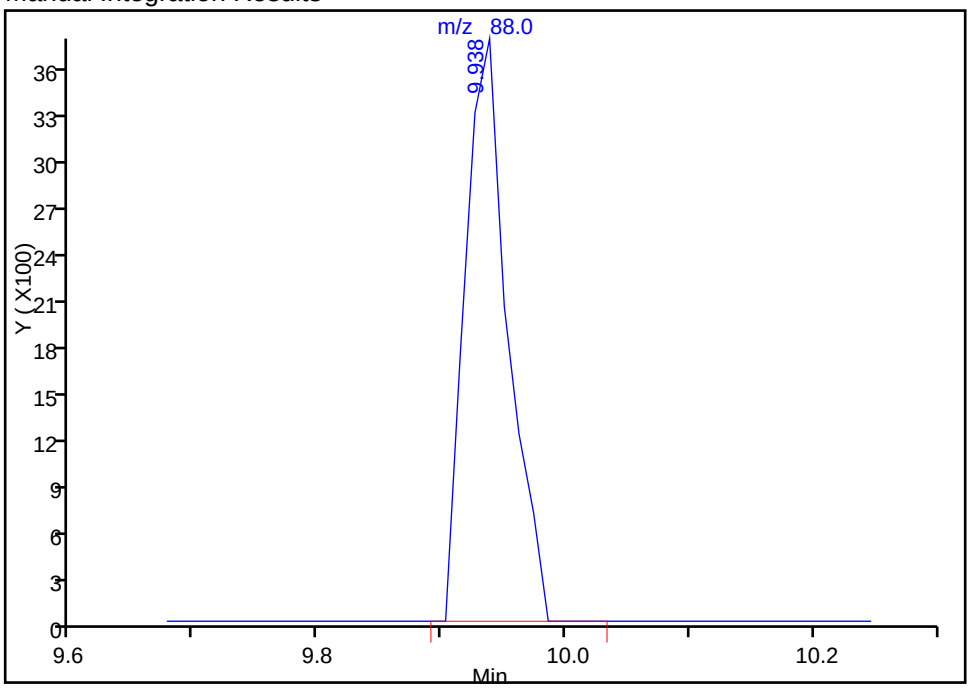
Not Detected
Expected RT: 9.94

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 9027
Amount: 185.4204
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:28:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59586.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 11-Dec-2015 16:49:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0049159-009
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 12:05:05 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 11:35:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	123769	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	88	261294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	69	255093	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	56	162623	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98842	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554868	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	84	191601	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	98	301041	25.0	23.5	
12 Chloromethane	50	4.851	4.851	0.000	100	296363	25.0	22.0	
13 Vinyl chloride	62	5.088	5.088	0.000	84	269390	25.0	23.1	
151 Butadiene	54	5.124	5.124	0.000	90	276552	25.0	22.8	
14 Bromomethane	94	5.693	5.693	0.000	92	188702	25.0	23.5	
15 Chloroethane	64	5.823	5.823	0.000	94	170477	25.0	22.9	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	83	450516	25.0	22.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	84	444926	25.0	24.0	
18 Ethyl ether	59	6.475	6.475	0.000	95	232641	25.0	24.4	
20 Acrolein	56	6.724	6.724	0.000	93	208190	125.0	129.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	86	250972	25.0	24.6	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	88	218187	25.0	23.5	
23 Acetone	43	6.879	6.879	0.000	97	333042	125.0	116.5	
25 Iodomethane	142	7.056	7.056	0.000	99	435242	25.0	24.2	
26 Carbon disulfide	76	7.139	7.139	0.000	99	890715	25.0	24.2	
27 Methyl acetate	43	7.163	7.163	0.000	98	875911	125.0	121.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	390001	25.0	22.9	
30 Methylene Chloride	84	7.341	7.341	0.000	97	258368	25.0	25.3	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	89	239984	250.0	254.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	92	728174	25.0	24.5	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	82	233007	25.0	23.5	
33 Acrylonitrile	53	7.578	7.578	0.000	96	901952	250.0	252.1	
35 Hexane	57	7.709	7.709	0.000	93	368751	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	1047914	50.0	50.1	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	462601	25.0	24.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	532235	125.0	122.7	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	74	368673	25.0	23.7	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	73	260887	25.0	23.9	
48 Chlorobromomethane	128	8.693	8.693	0.000	80	135818	25.0	25.5	
50 Chloroform	83	8.705	8.705	0.000	95	457027	25.0	23.4	
49 Tetrahydrofuran	42	8.705	8.705	0.000	56	147313	50.0	47.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	91	401495	25.0	24.0	
52 Cyclohexane	56	8.906	8.906	0.000	93	483618	25.0	25.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	90	265080	625.0	584.9	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	88	331785	25.0	23.9	
55 Carbon tetrachloride	117	9.013	9.013	0.000	88	372892	25.0	25.2	
57 Benzene	78	9.179	9.179	0.000	98	929895	25.0	24.0	
59 n-Heptane	43	9.191	9.191	0.000	69	347482	25.0	22.8	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	86	402877	25.0	24.4	
62 Trichloroethene	95	9.653	9.653	0.000	94	254002	25.0	23.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	395124	25.0	25.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	89	256361	25.0	25.1	
66 1,4-Dioxane	88	9.926	9.926	0.000	75	25442	500.0	501.4	
67 Dibromomethane	93	9.997	9.997	0.000	86	164539	25.0	24.9	
68 Dichlorobromomethane	83	10.069	10.069	0.000	83	360701	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	167713	25.0	25.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	88	405394	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	98	1263853	125.0	126.5	
74 Toluene	92	10.650	10.650	0.000	92	586489	25.0	24.3	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	308070	25.0	26.4	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	89	386386	25.0	25.8	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	184006	25.0	24.8	
80 2-Hexanone	43	11.053	11.053	0.000	88	874175	125.0	126.5	
81 Tetrachloroethene	166	11.088	11.088	0.000	89	281396	25.0	24.8	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	76	371353	25.0	24.6	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	277322	25.0	25.5	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	244810	25.0	25.5	
87 Chlorobenzene	112	11.800	11.800	0.000	80	690022	25.0	24.3	
88 Ethylbenzene	91	11.800	11.800	0.000	91	1145546	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	67	265675	25.0	24.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	463607	25.0	24.9	
91 o-Xylene	106	12.239	12.239	0.000	86	466939	25.0	25.0	
92 Styrene	104	12.250	12.250	0.000	93	768947	25.0	25.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1188422	25.0	23.9	
95 Bromoform	173	12.523	12.523	0.000	92	168211	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	82	285910	25.0	24.9	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	86	108283	25.0	25.7	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	1373894	25.0	24.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	66	94280	25.0	25.1	
101 Bromobenzene	156	12.915	12.915	0.000	59	312896	25.0	24.5	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	68	1033241	25.0	24.4	
103 2-Chlorotoluene	126	13.021	13.021	0.000	85	270342	25.0	24.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	286445	25.0	24.4	
106 tert-Butylbenzene	134	13.294	13.294	0.000	91	218419	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	97	1070211	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1278275	25.0	24.4	
110 4-Isopropyltoluene	119	13.590	13.590	0.000	94	1074914	25.0	24.2	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	598020	25.0	24.4	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	614583	25.0	24.3	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	951266	25.0	24.3	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	586467	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	63	58036	25.0	23.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	413180	25.0	25.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	86	162484	25.0	25.4	
121 Naphthalene	128	16.579	16.579	0.000	97	937548	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	95	398306	25.0	25.8	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00125	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

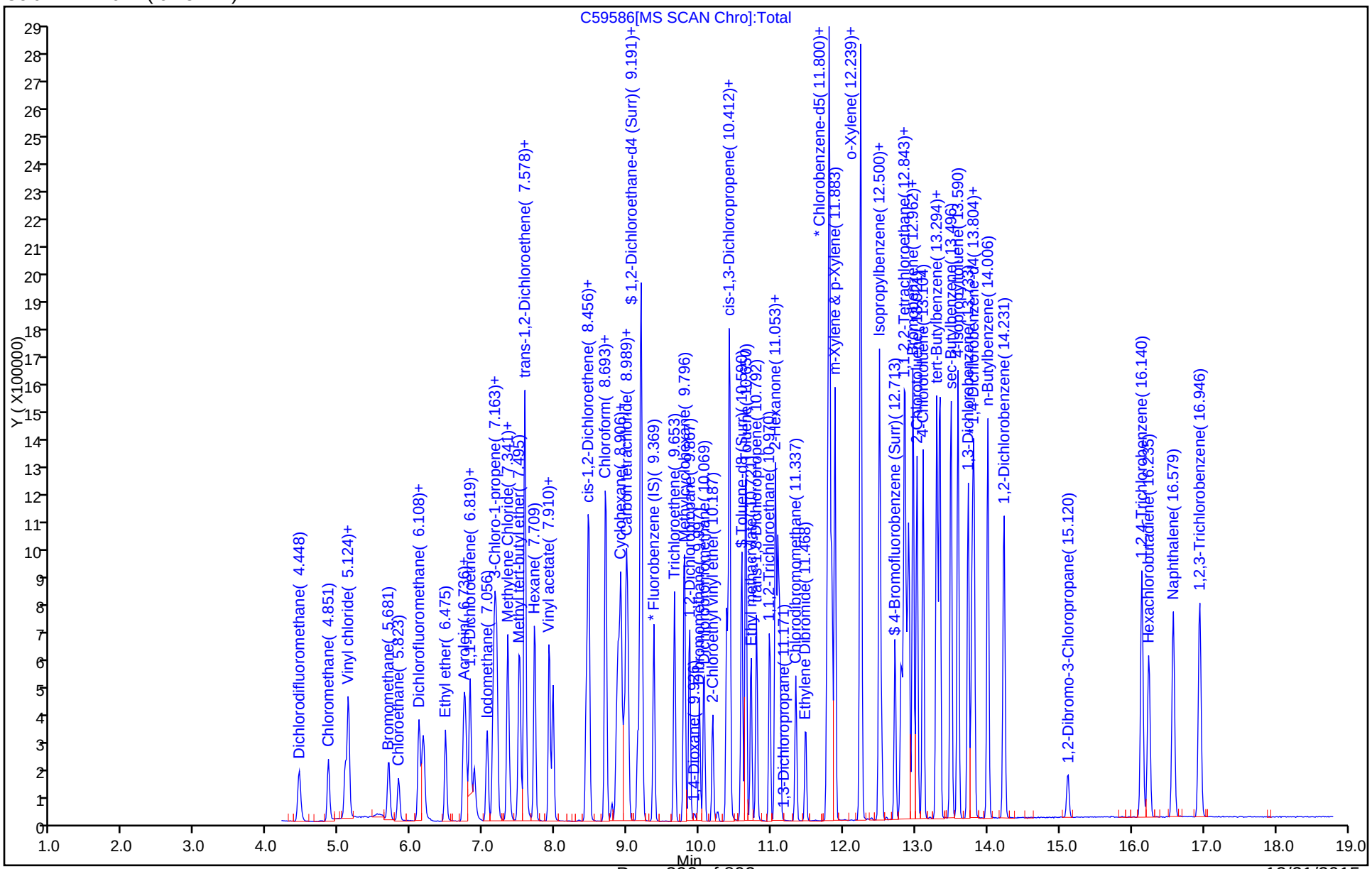
Report Date: 14-Dec-2015 12:05:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59586.D

Injection Date:	11-Dec-2015 16:49:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Dec-2015 17:15:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049159-010
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:41 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:36:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	121151	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260248	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	249414	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	163409	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	101417	25.0	26.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	543933	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	191779	25.0	25.4	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	624086	50.0	49.7	
12 Chloromethane	50	4.851	4.851	0.000	99	594435	50.0	45.2	
13 Vinyl chloride	62	5.088	5.088	0.000	98	549792	50.0	48.2	
151 Butadiene	54	5.124	5.124	0.000	90	545132	50.0	45.9	
14 Bromomethane	94	5.681	5.693	-0.012	92	376714	50.0	48.0	
15 Chloroethane	64	5.823	5.823	0.000	99	343093	50.0	47.1	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	99	904395	50.0	46.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	893289	50.0	49.2	
18 Ethyl ether	59	6.476	6.475	0.001	95	457670	50.0	49.0	
20 Acrolein	56	6.725	6.724	0.001	99	410530	250.0	259.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	498342	50.0	49.8	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	93	430119	50.0	47.3	
23 Acetone	43	6.879	6.879	0.000	99	660829	250.0	236.2	
25 Iodomethane	142	7.057	7.056	0.001	99	852791	50.0	48.5	
26 Carbon disulfide	76	7.140	7.139	0.001	100	1767200	50.0	49.1	
27 Methyl acetate	43	7.163	7.163	0.000	98	1750098	250.0	248.6	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	752080	50.0	45.1	
30 Methylene Chloride	84	7.341	7.341	0.000	98	487918	50.0	49.9	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	99	491802	500.0	532.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	97	1442898	50.0	49.6	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	460987	50.0	47.5	
33 Acrylonitrile	53	7.578	7.578	0.000	98	1775189	500.0	506.9	
35 Hexane	57	7.709	7.709	0.000	93	716994	50.0	47.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	2114769	100.0	103.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	98	900771	50.0	48.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	1066040	250.0	251.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	722839	50.0	47.4	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	518972	50.0	48.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	264196	50.0	50.7	
50 Chloroform	83	8.705	8.705	0.000	95	886828	50.0	46.4	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	60	290119	100.0	95.7	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	787406	50.0	48.2	
52 Cyclohexane	56	8.907	8.906	0.001	93	944857	50.0	50.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	97	552301	1250.0	1245.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	655936	50.0	48.4	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	736487	50.0	50.9	
57 Benzene	78	9.179	9.179	0.000	98	1803239	50.0	47.5	
59 n-Heptane	43	9.191	9.191	0.000	92	652690	50.0	43.7	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	778508	50.0	48.1	
62 Trichloroethene	95	9.654	9.653	0.001	96	498820	50.0	47.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	785929	50.0	51.0	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	488661	50.0	48.9	
66 1,4-Dioxane	88	9.926	9.926	0.000	96	56306	1000.0	1098.8	
67 Dibromomethane	93	9.998	9.997	0.001	96	325082	50.0	50.2	
68 Dichlorobromomethane	83	10.069	10.069	0.001	98	707212	50.0	50.4	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	337670	50.0	53.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	803243	50.0	50.8	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	2486207	250.0	249.8	
74 Toluene	92	10.650	10.650	0.000	98	1151776	50.0	47.9	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	620135	50.0	53.3	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	763245	50.0	51.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	361465	50.0	48.9	
80 2-Hexanone	43	11.053	11.053	0.000	97	1742886	250.0	253.2	
81 Tetrachloroethene	166	11.089	11.088	0.000	96	546309	50.0	48.3	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	729302	50.0	48.5	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	553748	50.0	51.2	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	476701	50.0	49.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	1343077	50.0	47.5	
88 Ethylbenzene	91	11.800	11.800	0.000	95	2267405	50.0	47.3	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	93	534082	50.0	49.4	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	903371	50.0	48.6	
91 o-Xylene	106	12.239	12.239	0.000	98	905289	50.0	48.7	
92 Styrene	104	12.239	12.250	-0.011	94	1527311	50.0	50.3	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	2330372	50.0	48.0	
95 Bromoform	173	12.523	12.523	0.000	94	349734	50.0	54.9	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	571845	50.0	51.0	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	218016	50.0	52.8	
99 N-Propylbenzene	91	12.855	12.855	0.000	99	2677889	50.0	47.9	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	188045	50.0	51.3	
101 Bromobenzene	156	12.903	12.915	-0.012	92	616078	50.0	49.4	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	2025395	50.0	48.9	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	534694	50.0	49.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	559249	50.0	48.8	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	433546	50.0	48.2	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	2085528	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	2518596	50.0	49.2	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	2113048	50.0	48.6	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	1178335	50.0	49.1	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	1196637	50.0	48.4	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	1879092	50.0	49.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	1158831	50.0	49.5	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	83	121920	50.0	50.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	825949	50.0	52.5	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	96	325088	50.0	51.9	
121 Naphthalene	128	16.579	16.579	0.000	97	1914342	50.0	55.8	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	796908	50.0	52.8	
S 125 1,2-Dichloroethene, Total	1				0			96.1	
S 126 1,3-Dichloropropene, Total	1				0			102.1	
S 123 Total BTEX	1				0			240.0	
S 124 Xylenes, Total	1				0			97.3	

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL		
GAS CORP mix_00125	Amount Added: 25.00	Units: uL		
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent	
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent	

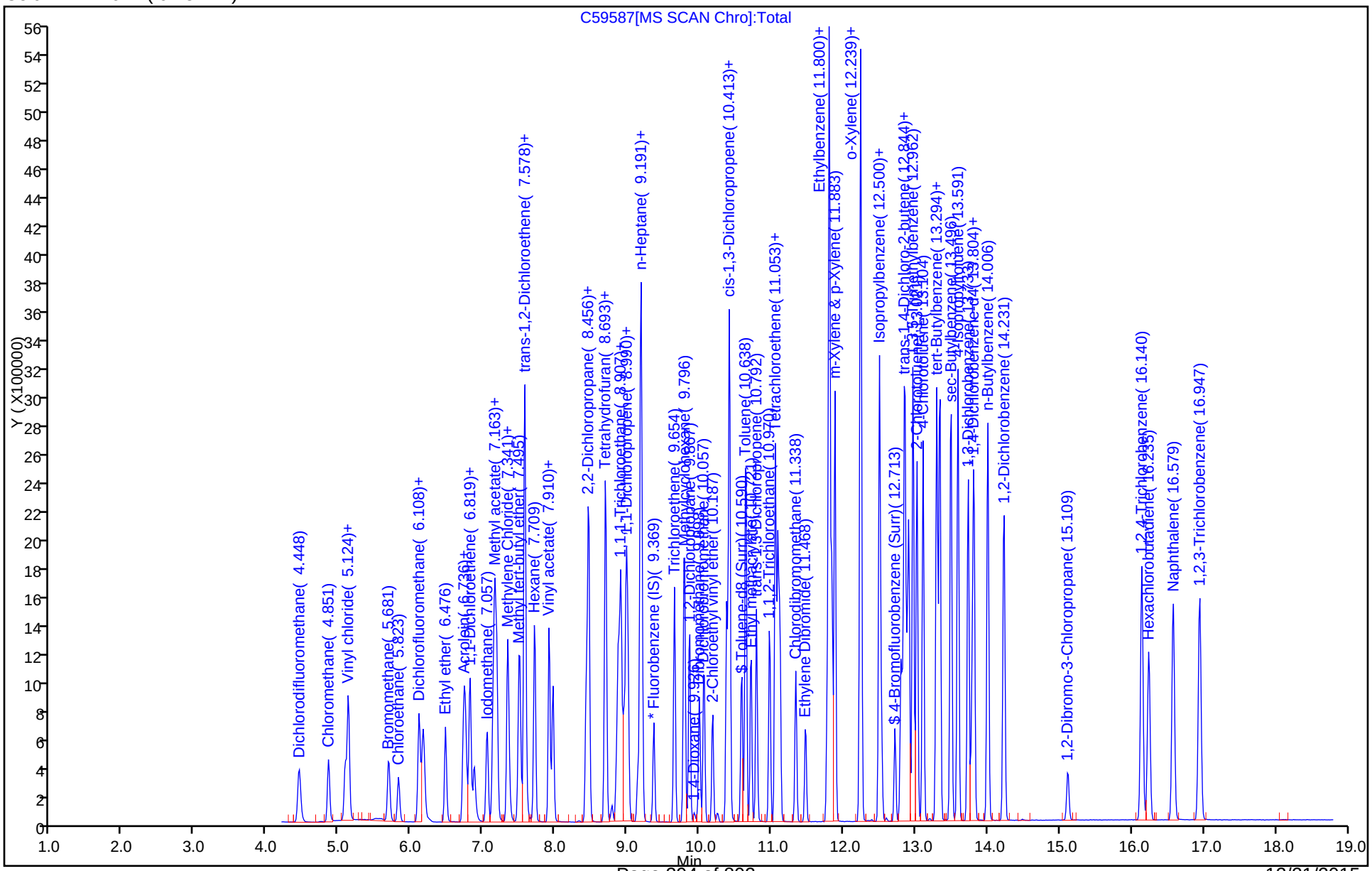
Report Date: 14-Dec-2015 11:36:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D

Injection Date:	11-Dec-2015 17:15:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 11-Dec-2015 17:40:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0049159-011
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:45 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:37:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	119541	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	264321	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	254989	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162889	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	97174	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552249	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	192499	25.0	25.1	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	1253697	100.0	101.2	
12 Chloromethane	50	4.851	4.851	0.000	99	1184747	100.0	91.2	
13 Vinyl chloride	62	5.088	5.088	0.000	99	1095567	100.0	97.3	
151 Butadiene	54	5.136	5.124	0.012	89	1094079	100.0	93.4	
14 Bromomethane	94	5.693	5.693	0.000	93	765682	100.0	98.9	
15 Chloroethane	64	5.823	5.823	0.000	99	697199	100.0	97.0	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	1811787	100.0	95.0	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	1789987	100.0	100.0	
18 Ethyl ether	59	6.476	6.475	0.001	94	903468	100.0	98.1	
20 Acrolein	56	6.725	6.724	0.001	100	813481	500.0	521.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	967757	100.0	98.0	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	95	838571	100.0	93.4	
23 Acetone	43	6.867	6.879	-0.012	99	1283666	500.0	465.0	
25 Iodomethane	142	7.057	7.056	0.001	99	1689113	100.0	97.4	
26 Carbon disulfide	76	7.140	7.139	0.001	100	3436586	100.0	96.8	
27 Methyl acetate	43	7.163	7.163	0.000	98	3409975	500.0	490.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	1470250	100.0	89.4	
30 Methylene Chloride	84	7.341	7.341	0.000	97	948203	100.0	99.6	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	920862	1000.0	1009.8	
32 Methyl tert-butyl ether	73	7.495	7.507	-0.012	98	2821527	100.0	98.4	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	888987	100.0	92.8	
33 Acrylonitrile	53	7.578	7.578	0.000	99	3466555	1000.0	1003.1	
35 Hexane	57	7.709	7.709	0.000	93	1377751	100.0	92.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.911	7.910	0.000	97	4201250	200.0	208.0	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	1766687	100.0	95.9	
43 2-Butanone (MEK)	43	8.420	8.432	-0.012	100	2103349	500.0	502.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	91	1414492	100.0	94.1	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	1008638	100.0	95.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	96	516586	100.0	100.5	
50 Chloroform	83	8.705	8.705	0.000	97	1730371	100.0	91.7	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	62	562460	200.0	188.1	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	1543925	100.0	95.7	
52 Cyclohexane	56	8.907	8.906	0.001	93	1830685	100.0	98.4	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	1048782	2500.0	2396.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	1272727	100.0	95.1	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	1438923	100.0	100.9	
57 Benzene	78	9.179	9.179	0.000	98	3501246	100.0	93.5	
59 n-Heptane	43	9.191	9.191	0.000	92	1268418	100.0	86.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	1496062	100.0	93.8	
62 Trichloroethene	95	9.654	9.653	0.001	95	981309	100.0	95.4	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	1525166	100.0	100.2	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	93	975951	100.0	99.0	
66 1,4-Dioxane	88	9.926	9.926	0.000	98	99175	2000.0	1896.3	
67 Dibromomethane	93	9.998	9.997	0.001	95	636303	100.0	99.7	
68 Dichlorobromomethane	83	10.057	10.069	-0.011	98	1401924	100.0	101.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	661248	100.0	105.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	1594522	100.0	102.3	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	4859187	500.0	480.7	
74 Toluene	92	10.638	10.650	-0.012	98	2259465	100.0	92.5	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	1239978	100.0	105.0	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	1510957	100.0	99.9	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	719138	100.0	95.7	
80 2-Hexanone	43	11.053	11.053	0.000	96	3408963	500.0	487.5	
81 Tetrachloroethene	166	11.089	11.088	0.001	98	1085325	100.0	94.4	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	1440933	100.0	94.4	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	1118399	100.0	101.8	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	949073	100.0	97.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	2662215	100.0	92.7	
88 Ethylbenzene	91	11.800	11.800	0.000	95	4416277	100.0	90.6	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	94	1059719	100.0	96.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	1770809	100.0	93.9	
91 o-Xylene	106	12.239	12.239	0.000	97	1781894	100.0	94.3	
92 Styrene	104	12.239	12.250	-0.011	94	3026047	100.0	98.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	4600013	100.0	92.7	
95 Bromoform	173	12.523	12.523	0.000	94	709342	100.0	109.6	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	1133347	100.0	98.8	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	442481	100.0	104.9	
99 N-Propylbenzene	91	12.844	12.855	-0.011	98	5251776	100.0	92.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	366522	100.0	97.8	
101 Bromobenzene	156	12.903	12.915	-0.012	92	1219050	100.0	95.6	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	3990713	100.0	94.3	
103 2-Chlorotoluene	126	13.022	13.021	0.001	96	1058966	100.0	96.0	
105 4-Chlorotoluene	126	13.105	13.104	0.001	99	1114536	100.0	95.0	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	855894	100.0	93.0	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	4146539	100.0	95.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	4956140	100.0	94.7	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	4200316	100.0	94.5	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	2368902	100.0	96.5	
113 1,4-Dichlorobenzene	146	13.804	13.816	-0.012	95	2377070	100.0	94.0	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	3761182	100.0	96.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	2300155	100.0	96.1	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	85	241937	100.0	98.1	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	1676862	100.0	104.2	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	95	656815	100.0	102.6	
121 Naphthalene	128	16.579	16.579	0.000	97	3916853	100.0	111.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	1600126	100.0	103.7	
S 125 1,2-Dichloroethene, Total	1				0			188.5	
S 126 1,3-Dichloropropene, Total	1				0			202.2	
S 123 Total BTEX	1				0			464.8	
S 124 Xylenes, Total	1				0			188.2	

Reagents:

8260 CORP mix_00061	Amount Added: 50.00	Units: uL		
GAS CORP mix_00125	Amount Added: 50.00	Units: uL		
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent	
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent	

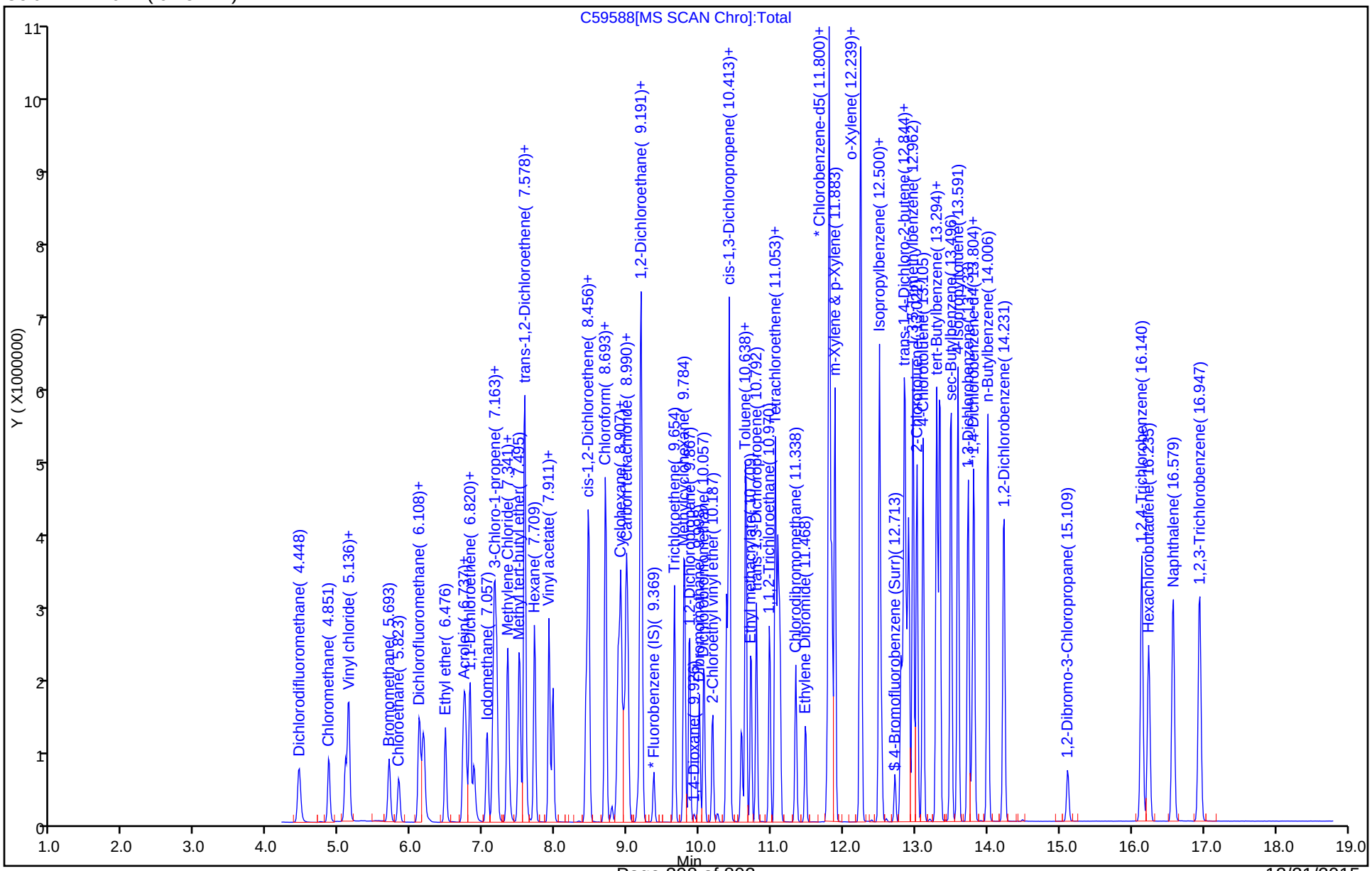
Report Date: 14-Dec-2015 11:36:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D

Injection Date:	11-Dec-2015 17:40:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278176/3	N5254.D
Level 2	IC 480-278176/4	N5255.D
Level 3	IC 480-278176/5	N5256.D
Level 4	IC 480-278176/6	N5257.D
Level 5	IC 480-278176/7	N5258.D
Level 6	ICIS 480-278176/8	N5259.D
Level 7	IC 480-278176/9	N5260.D
Level 8	IC 480-278176/10	N5261.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.2791	1.5061 1.2121	1.5666 1.2406	1.1731	1.3553	Ave		1.3333			0.1000	11.3		20.0			
Chloromethane	+++++ 1.6536	1.9282 1.6029	1.9786 1.6146	1.6551	1.6273	Ave		1.7229			0.1000	9.2		20.0			
Vinyl chloride	+++++ 1.4695	1.7902 1.4231	1.7495 1.4524	1.4289	1.5505	Ave		1.5520			0.1000	10.0		20.0			
Butadiene	+++++ 1.5762	1.7059 1.4883	1.8969 1.5216	1.4583	1.6295	Ave		1.6109				9.4		20.0			
Bromomethane	+++++ 0.7463	0.9441 0.6756	1.0182 0.7067	0.8200	0.7824	Ave		0.8133			0.1000	15.5		20.0			
Chloroethane	+++++ 0.8994	1.0852 0.8683	1.0745 0.8740	0.8794	0.9183	Ave		0.9427			0.1000	10.1		20.0			
Dichlorofluoromethane	+++++ 2.0086	3.1594 1.9093	2.8169 1.9377	1.9046	2.1656	Lin1	1.3247	1.9178							0.9990		0.9900
Trichlorofluoromethane	+++++ 1.8145	1.9532 1.7639	2.1148 1.7815	1.5827	1.8074	Ave		1.8311			0.1000	9.1		20.0			
Ethyl ether	+++++ 1.4123	1.9577 1.3526	1.7625 1.3252	1.3209	1.3888	Ave		1.5029				16.8		20.0			
Acrolein	+++++ 0.3412	0.3933 0.3025	0.4159 0.2849	0.3226	0.3568	Ave		0.3453				13.7		20.0			
1,1-Dichloroethene	+++++ 1.1129	1.4607 1.1235	1.3337 1.1453	1.0718	1.0379	Ave		1.1837			0.1000	13.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0134	1.0684 1.0790	1.1109 1.1264	0.9504	0.8760	Ave		1.0321			0.1000	8.8		20.0			
Acetone	+++++ 0.5106	0.8591 0.4256	0.5916 0.4123	0.5054	0.5525	Lin1	2.3543	0.4252			0.1000				0.9930		0.9900
Iodomethane	+++++ 1.8772	2.3180 1.9372	2.1827 1.8949	1.7962	1.8228	Ave		1.9756				10.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 3.3779	4.5520 3.5186	4.2289 3.4909	3.3760	3.1092	Ave		3.6648			0.1000	14.2		20.0			
Allyl chloride	+++++ 2.4866	3.2048 2.4610	3.2673 2.4276	2.6252	2.4049	Ave		2.6968				13.9		20.0			
Methyl acetate	+++++ 1.4766	1.9053 1.3775	1.8530 1.2084	1.4171	1.4895	Ave		1.5325			0.1000	16.6		20.0			
Methylene Chloride	+++++ 1.1893	2.0802 1.1875	1.7678 1.1427	1.2634	1.2308	Lin1	0.9939	1.1433			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1459	0.1849 0.1089	0.1774 0.1144	0.1379	0.1521	Ave		0.1459				19.7		20.0			
Methyl tert-butyl ether	+++++ 4.2698	5.5517 4.0660	4.8473 3.9230	4.1261	4.2882	Ave		4.4389			0.1000	12.9		20.0			
trans-1,2-Dichloroethene	1.6896 1.1810	1.7167 1.1970	1.4148 1.1920	1.2287	1.0788	Ave		1.3373			0.1000	18.3		20.0			
Acrylonitrile	0.9525 0.6816	0.8676 0.6329	0.7323 0.5388	0.6499	0.6896	Lin2	1.7601	0.6330							0.9920		0.9900
Hexane	+++++ 2.0729	2.9048 2.2070	2.6376 2.2346	2.1498	1.8440	Ave		2.2930				15.7		20.0			
1,1-Dichloroethane	+++++ 2.4871	3.2091 2.4260	2.9189 2.4161	2.4379	2.3513	Ave		2.6066			0.2000	12.5		20.0			
Vinyl acetate	+++++ 3.7332	3.8833 3.5424	4.0359 3.2933	3.4731	3.6359	Ave		3.6567				6.9		20.0			
2,2-Dichloropropane	1.7396 1.1815	1.6975 1.2008	1.4845 1.1187	1.2636	1.1042	Ave		1.3488				19.1		20.0			
cis-1,2-Dichloroethene	+++++ 1.3160	1.9082 1.2661	1.5172 1.2864	1.2471	1.2901	Lin1	0.4967	1.2717			0.1000				0.9990		0.9900
2-Butanone (MEK)	+++++ 0.8749	1.0865 0.8145	1.0048 0.7875	0.8214	0.8997	Ave		0.8985			0.1000	12.2		20.0			
Chlorobromomethane	+++++ 0.7103	0.8410 0.6861	0.7134 0.6860	0.6815	0.6544	Ave		0.7104				8.6		20.0			
Tetrahydrofuran	+++++ 0.6425	0.6754 0.5956	0.7380 0.5865	0.6143	0.6509	Ave		0.6433				8.1		20.0			
Chloroform	+++++ 2.1212	3.0586 2.0765	2.6053 2.0497	2.1717	2.0381	Lin1	0.9682	2.0444			0.2000				1.0000		0.9900
1,1,1-Trichloroethane	+++++ 1.6971	2.1599 1.7263	2.0137 1.6854	1.6860	1.5318	Ave		1.7857			0.1000	12.3		20.0			
Cyclohexane	2.6335 2.1205	2.8995 2.2272	2.5327 2.3074	2.2913	1.9058	Ave		2.3647			0.1000	13.2		20.0			
Carbon tetrachloride	+++++ 1.5975	2.1524 1.7099	1.8991 1.7396	1.5896	1.4421	Ave		1.7329			0.1000	13.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 1.6748	2.2520 1.6964	1.8991 1.6963	1.6461	1.5342	Ave		1.7713				13.4		20.0			
Isobutyl alcohol	+++++ 0.0879	0.1316 0.0790	0.1064 0.0807	0.0831	0.0877	Lin1	1.2570	0.0803							0.9990		0.9900
Benzene	+++++ 4.6816	6.2356 4.6071	5.8456 4.4372	4.7939	4.5336	Ave		5.0192			0.5000	14.3		20.0			
1,2-Dichloroethane	+++++ 2.1326	2.6708 2.0378	2.4638 1.9777	2.0489	2.1078	Ave		2.2056			0.1000	11.7		20.0			
n-Heptane	+++++ 2.2784	3.0647 2.4605	3.1175 2.4519	2.4434	2.0445	Ave		2.5516				15.6		20.0			
Trichloroethene	1.6328 1.2474	1.6812 1.2346	1.4500 1.2293	1.2515	1.1289	Ave		1.3570			0.2000	15.2		20.0			
Methylcyclohexane	+++++ 1.9225	2.5444 2.0757	2.4957 2.0861	2.0267	1.7812	Ave		2.1332			0.1000	13.3		20.0			
1,2-Dichloropropane	+++++ 1.2700	1.5863 1.2477	1.5422 1.2447	1.2568	1.1786	Ave		1.3323			0.1000	12.1		20.0			
Dibromomethane	+++++ 0.7851	0.8314 0.7659	0.8479 0.7609	0.7216	0.7512	Ave		0.7806			0.1000	5.7		20.0			
1,4-Dioxane	+++++ 0.0036	+++++ 0.0033	0.0020 0.0033	0.0024	0.0035	Lin1	-0.053	0.0034							0.9970		0.9900
Bromodichloromethane	1.7161 1.5214	1.7192 1.5374	1.6389 1.5442	1.3904	1.3399	Ave		1.5510			0.2000	8.9		20.0			
2-Chloroethyl vinyl ether	+++++ 0.9196	0.9248 0.9065	0.8875 0.9397	0.7854	0.7913	Ave		0.8792				7.3		20.0			
cis-1,3-Dichloropropene	+++++ 1.9320	2.0272 1.9304	1.8994 1.9737	1.7144	1.7445	Ave		1.8888			0.2000	6.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.1968 0.1783	0.1987 0.1762	0.1924 0.1762	0.1667	0.1825	Ave		0.1835			0.1000	6.2		20.0			
Toluene	+++++ 0.8237	1.1149 0.8622	0.9712 0.8237	0.8358	0.8066	Ave		0.8912			0.4000	12.7		20.0			
trans-1,3-Dichloropropene	0.4756 0.4793	0.4874 0.4893	0.4390 0.5143	0.4261	0.4540	Ave		0.4706			0.1000	6.2		20.0			
Ethyl methacrylate	0.4749 0.4504	0.4466 0.4553	0.4692 0.4682	0.4177	0.4547	Ave		0.4546				3.9		20.0			
1,1,2-Trichloroethane	+++++ 0.2286	0.2861 0.2336	0.2550 0.2340	0.2263	0.2267	Ave		0.2415			0.1000	9.1		20.0			
Tetrachloroethene	0.4978 0.3629	0.5343 0.3766	0.4525 0.3721	0.3736	0.3381	Ave		0.4135			0.2000	17.4		20.0			
1,3-Dichloropropane	0.5970 0.5139	0.6511 0.5204	0.5638 0.5204	0.5162	0.5186	Ave		0.5502				9.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.3327 0.3408	0.3560 0.3264	0.3330 0.3118	0.3382	0.3432	Ave		0.3353			0.1000	3.9		20.0			
Dibromochloromethane	0.3304 0.3130	0.3150 0.3341	0.2899 0.3502	0.2692	0.2850	Ave		0.3109			0.1000	8.9		20.0			
1,2-Dibromoethane	0.2981 0.3212	0.3543 0.3137	0.3337 0.3193	0.2918	0.3161	Ave		0.3185				6.1		20.0			
Chlorobenzene	+++++ 0.9085	1.2093 0.9111	1.0940 0.8894	0.9236	0.8876	Ave		0.9748			0.5000	12.9		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3375	0.4009 0.3486	0.3288 0.3450	0.3235	0.3222	Ave		0.3438				7.9		20.0			
Ethylbenzene	+++++ 1.4804	2.0591 1.4760	1.8920 1.3946	1.5687	1.4635	Ave		1.6192			0.1000	15.6		20.0			
m,p-Xylene	+++++ 0.6177	0.7581 0.6233	0.7263 0.6084	0.6268	0.5903	Ave		0.6501			0.1000	9.9		20.0			
o-Xylene	+++++ 0.6106	0.7639 0.6206	0.6709 0.6021	0.6302	0.5966	Ave		0.6421			0.3000	9.2		20.0			
Styrene	+++++ 0.9791	1.0757 0.9982	1.1118 0.9837	1.0067	0.9611	Ave		1.0166			0.3000	5.5		20.0			
Bromoform	+++++ 0.1718	0.1554 0.1869	0.1512 0.2045	0.1428	0.1572	Ave		0.1671			0.1000	13.1		20.0			
Isopropylbenzene	+++++ 3.0816	4.0559 3.1337	3.7033 3.0151	3.2906	2.9194	Ave		3.3142			0.1000	12.5		20.0			
Bromobenzene	0.9664 0.7843	1.0715 0.8253	0.9718 0.8215	0.7766	0.7575	Ave		0.8718				13.2		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7480	0.8718 0.7598	0.7708 0.7637	0.7157	0.7611	Ave		0.7701			0.3000	6.3		20.0			
1,2,3-Trichloropropane	0.2804 0.2631	0.3302 0.2748	0.3070 0.2757	0.2739	0.2809	Ave		0.2858				7.7		20.0			
trans-1,4-Dichloro-2-butene	0.3201 0.3043	0.3229 0.3173	0.2879 0.3429	0.2601	0.2855	Ave		0.3051				8.6		20.0			
N-Propylbenzene	+++++ 3.4152	4.6838 3.4208	4.1045 3.2276	3.6039	3.2405	Ave		3.6709				14.6		20.0			
2-Chlorotoluene	0.9676 0.7476	0.9975 0.7710	0.8952 0.7620	0.7567	0.7215	Ave		0.8274				13.2		20.0			
1,3,5-Trimethylbenzene	+++++ 2.5875	3.2801 2.6105	2.9963 2.4348	2.6420	2.4564	Ave		2.7154				11.4		20.0			
4-Chlorotoluene	+++++ 2.4606	3.3770 2.4425	2.7194 2.4001	2.5441	2.4233	Ave		2.6239				13.3		20.0			
tert-Butylbenzene	+++++ 0.6064	0.7490 0.6420	0.7231 0.6081	0.6188	0.5903	Ave		0.6482				9.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.3348 2.5898	3.4584 2.6160	3.1198 2.4832	2.6698	2.5214	Ave		2.8492				13.8		20.0			
sec-Butylbenzene	4.1633 3.1280	4.1488 3.2330	3.7855 2.9717	3.3809	3.0270	Ave		3.4798				14.0		20.0			
1,3-Dichlorobenzene	+++++ 1.4409	1.8836 1.4735	1.8006 1.4496	1.4818	1.4331	Ave		1.5662			0.6000	12.2		20.0			
4-Isopropyltoluene	3.5471 2.8354	3.6500 2.8766	3.2813 2.6170	2.9249	2.6780	Ave		3.0513				12.9		20.0			
1,4-Dichlorobenzene	1.9236 1.4982	2.0873 1.4930	1.7884 1.4846	1.5233	1.5257	Ave		1.6655			0.5000	14.2		20.0			
n-Butylbenzene	2.7554 2.2675	2.9131 2.3297	2.5531 2.2237	2.3315	2.1700	Ave		2.4430				11.0		20.0			
1,2-Dichlorobenzene	+++++ 1.3757	1.8422 1.3972	1.5937 1.3848	1.3941	1.4276	Ave		1.4879			0.4000	11.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1419	0.0981 0.1579	0.1257 0.1640	0.1184	0.1241	Ave		0.1329			0.0500	17.4		20.0			
1,2,4-Trichlorobenzene	0.8619 0.8269	1.0348 0.8769	0.8618 0.9570	0.8021	0.8056	Ave		0.8784			0.2000	9.1		20.0			
Hexachlorobutadiene	0.4754 0.4163	0.4408 0.4384	0.5265 0.4615	0.4378	0.4132	Ave		0.4512				8.2		20.0			
Naphthalene	2.4870 2.2633	2.6631 2.3823	2.2412 2.5606	2.0852	2.2003	Ave		2.3604				8.4		20.0			
1,2,3-Trichlorobenzene	0.9082 0.7328	0.9312 0.7934	0.8586 0.8962	0.7280	0.7149	Ave		0.8204				10.8		20.0			
Dibromofluoromethane (Surr)	1.0260 1.0163	1.0561 1.0093	1.0336 1.0094	1.0302	1.0307	Ave		1.0264				1.5		20.0			
1,2-Dichloroethane-d4 (Surr)	1.4602 1.4550	1.5043 1.3902	1.5051 1.3703	1.5074	1.4079	Ave		1.4501				3.8		20.0			
Toluene-d8 (Surr)	1.0510 1.0670	1.1111 1.0747	1.0460 1.0677	1.0737	1.0582	Ave		1.0687				1.9		20.0			
4-Bromofluorobenzene (Surr)	0.3227 0.3202	0.3254 0.3211	0.3255 0.3245	0.3228	0.3149	Ave		0.3222				1.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278176/3	N5254.D
Level 2	IC 480-278176/4	N5255.D
Level 3	IC 480-278176/5	N5256.D
Level 4	IC 480-278176/6	N5257.D
Level 5	IC 480-278176/7	N5258.D
Level 6	ICIS 480-278176/8	N5259.D
Level 7	IC 480-278176/9	N5260.D
Level 8	IC 480-278176/10	N5261.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 153769	7364 310234	14167 640471	27759	62080	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 198783	9428 410232	17893 833527	39165	74541	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 176650	8753 364220	15821 749767	33811	71024	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 189474	8341 380900	17154 785521	34507	74642	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 89709	4616 172913	9208 364842	19404	35841	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 108118	5306 222240	9717 451206	20808	42065	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Lin1	+++++ 241460	15448 488651	25474 1000304	45067	99199	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 218126	9550 451438	19125 919707	37450	82789	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	+++++ 169780	9572 346181	15939 684143	31256	63617	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 205060	9614 387064	18805 735326	38171	81718	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 133784	7142 287559	12061 591238	25361	47543	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 121827	5224 276164	10046 581472	22488	40129	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Lin1	+++++ 306933	21002 544615	26751 1064142	59800	126546	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 225668	11334 495815	19739 978245	42503	83498	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 406066	22257 900549	38243 1802156	79884	142422	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	+++++ 298927	15670 629856	29547 1253200	62119	110163	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	+++++ 887515	46579 1762812	83785 3118999	167667	341148	+++++ 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Lin1	+++++ 142970	10171 303916	15987 589902	29896	56378	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 175417	9042 278841	16045 590442	32627	69656	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	+++++ 513284	27145 1040638	43835 2025220	97634	196428	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3956 141974	8394 306361	12794 615362	29074	49417	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Lin2	22301 819424	42422 1619882	66222 2781519	153791	315886	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 249193	14203 564847	23852 1153569	50871	84467	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	+++++ 298977	15691 620907	26396 1247291	57688	107705	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	+++++ 897565	37975 1813274	72994 3400290	164364	333101	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	4073 142029	8300 307319	13425 577532	29901	50579	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Lin1	+++++ 158196	9330 324050	13720 664070	29509	59094	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 525863	26561 1042283	45432 2032642	97181	206064	+++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	+++++ 85382	4112 175589	6451 354151	16126	29978	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 154463	6605 304868	13348 605547	29073	59633	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Lin1	+++++ 254993	14955 531462	23560 1058154	51387	93358	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 204008	10561 441834	18210 870059	39896	70168	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	6166 254907	14177 570014	22904 1191180	54219	87299	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 192045	10524 437616	17174 898040	37613	66056	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 201332	11011 434173	17174 875698	38952	70276	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Lin1	+++++ 264118	16081 505502	24045 1041613	49148	100451	+++++ 625	25.0 1250	50.0 2500	125	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	+++++ 562792	30489 1179123	52863 2290661	113436	207670	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	+++++ 256369	13059 521540	22281 1020962	48483	96553	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 273899	14985 629741	28192 1265769	57817	93650	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3823 149956	8220 315987	13113 634627	29613	51712	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 231107	12441 531257	22569 1076915	47958	81589	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 152673	7756 319332	13946 642580	29739	53989	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	+++++ 94384	4065 196025	7668 392794	17076	34410	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	+++++ 32023	+++++ 60409	1362 123337	3999	11657	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	4018 182891	8406 393483	14821 797203	32901	61378	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 110542	4522 232001	8026 485098	18585	36245	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 232250	9912 494062	17177 1018880	40566	79911	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	8425 396076	17285 802845	32338 1637228	70434	151064	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	+++++ 365975	19401 785551	32654 1530492	70635	133493	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	4073 212942	8482 445735	14761 955683	36011	75142	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4067 200094	7771 414807	15775 869945	35301	75258	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 101585	4978 212864	8573 434815	19126	37512	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	4263 161235	9297 343134	15212 691425	31573	55956	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	5112 228329	11330 474120	18954 967057	43623	85834	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14246 756963	30977 1486659	55979 2897036	142894	284031	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	2829 139058	5482 304417	9746 650745	22752	47171	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	2553 142686	6165 285837	11218 593376	24657	52315	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	+++++ 403644	21043 830074	36782 1652702	78055	146898	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 149934	6976 317618	11055 641143	27336	53320	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 657712	35831 1344695	63610 2591455	132573	242210	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 274439	13192 567887	24418 1130552	52974	97692	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	+++++ 271275	13293 565361	22557 1118800	53264	98741	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	+++++ 434995	18719 909381	37378 1827931	85083	159075	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	+++++ 76320	2705 170285	5082 380036	12072	26023	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 683916	34143 1392626	60707 2622585	135804	240768	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	3988 174060	9020 366764	15930 714530	32050	62471	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 166001	7339 337646	12635 664235	29536	62770	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1157 58383	2780 122130	5032 239848	11305	23165	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1321 67532	2718 140996	4719 298278	10733	23542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 757951	39428 1520224	67284 2807402	148736	267249	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	3993 165916	8397 342652	14675 662784	31229	59504	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 574266	27612 1160124	49118 2117863	109038	202585	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 546089	28428 1085483	44578 2087644	104995	199856	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 134590	6305 285308	11853 528978	25537	48686	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	13762 574778	29113 1162592	51142 2159953	110183	207948	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	17181 694220	34925 1436788	62054 2584832	139531	249647	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 319784	15856 654832	29517 1260925	61155	118189	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	14638 629265	30726 1278368	53789 2276267	120710	220857	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278176

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/04/2015 12:30 Calibration End Date: 12/04/2015 15:39 Calibration ID: 25724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	7938 332499	17571 663521	29316 1291298	62866	125825	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	11371 503244	24523 1035360	41852 1934229	96223	178964	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 305313	15508 620919	26125 1204553	57535	117735	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 31484	826 70181	2060 142646	4888	10236	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	3557 183517	8711 389717	14127 832384	33101	66436	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	1962 92401	3711 194842	8630 401397	18068	34074	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	10263 502296	22418 1058696	36740 2227234	86056	181468	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	3748 162639	7839 352575	14075 779570	30044	58958	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	120112 122176	129092 129164	116837 130269	121890	118027	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	170942 174907	183883 177905	170140 176854	178349	161233	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	449985 474036	483370 489548	439584 495972	453724	437825	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	138189 142269	141569 146281	136801 150735	136424	130299	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5254.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Dec-2015 12:30:30 ALS Bottle#: 51 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 0.5
Misc. Info.: 480-0048944-003
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:45 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 16:02:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.593	0.007	98	117068	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	428165	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	97	206337	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	4.996	0.000	93	120112	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	170942	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	449985	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	88	138189	25.0	25.0	
11 Dichlorodifluoromethane	85	1.377	1.370	0.007	93	4227	0.5000	0.6770	
13 Chloromethane	50	1.541	1.541	0.000	93	5836	0.5000	0.7234	
14 Vinyl chloride	62	1.650	1.650	0.000	93	4864	0.5000	0.6693	
144 Butadiene	54	1.675	1.681	-0.006	90	5688	0.5000	0.7540	
15 Bromomethane	94	1.973	1.979	-0.006	35	3238	0.5000	0.8502	
16 Chloroethane	64	2.064	2.082	-0.018	0	2938	0.5000	0.6655	M
17 Dichlorofluoromethane	67	2.301	2.301	0.000	85	10987	0.5000	0.5327	
18 Trichlorofluoromethane	101	2.295	2.307	-0.012	63	4877	0.5000	0.5688	
19 Ethyl ether	59	2.599	2.599	0.000	96	5016	0.5000	0.7128	
20 Acrolein	56	2.764	2.764	0.000	0	5805	2.50	3.59	M
22 1,1-Dichloroethene	96	2.824	2.818	0.006	94	3719	0.5000	0.6710	
21 1,1,2-Trichloro-1,2,2-trif	101	2.831	2.831	0.000	58	2999	0.5000	0.6205	
23 Acetone	43	2.922	2.922	0.000	98	10754	2.50	-0.1358	
24 Iodomethane	142	2.995	3.001	-0.006	79	5717	0.5000	0.6180	
25 Carbon disulfide	76	3.031	3.031	0.000	96	11478	0.5000	0.6688	
27 3-Chloro-1-propene	41	3.183	3.189	-0.006	82	11530	0.5000	0.9130	
28 Methyl acetate	43	3.232	3.226	0.006	99	27072	2.50	3.77	
30 Methylene Chloride	84	3.323	3.329	-0.006	97	7885	0.5000	0.6035	
31 2-Methyl-2-propanol	59	3.488	3.481	0.007	93	4879	5.00	7.14	
32 Methyl tert-butyl ether	73	3.561	3.554	0.007	94	13855	0.5000	0.6666	
33 trans-1,2-Dichloroethene	96	3.561	3.567	-0.006	62	3956	0.5000	0.6317	
34 Acrylonitrile	53	3.603	3.591	0.012	96	22301	5.00	4.74	
35 Hexane	57	3.786	3.786	0.000	94	7224	0.5000	0.6728	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	92	8046	0.5000	0.6592	
39 Vinyl acetate	43	4.035	4.035	0.000	96	21369	1.00	1.25	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	84	4073	0.5000	0.6449	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	80	4654	0.5000	0.3909	
44 2-Butanone (MEK)	43	4.570	4.558	0.012	98	15925	2.50	3.79	
47 Chlorobromomethane	128	4.765	4.771	-0.006	89	2327	0.5000	0.6995	
49 Tetrahydrofuran	42	4.808	4.802	0.006	70	4777	1.00	1.59	
50 Chloroform	83	4.844	4.844	0.000	96	8073	0.5000	0.3697	
51 1,1,1-Trichloroethane	97	4.972	4.978	-0.006	93	6045	0.5000	0.7229	
52 Cyclohexane	56	4.996	5.002	-0.006	34	6166	0.5000	0.5568	
53 Carbon tetrachloride	117	5.118	5.124	-0.006	89	5235	0.5000	0.6451	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	88	5775	0.5000	0.6963	
56 Isobutyl alcohol	43	5.319	5.313	0.006	49	10101	12.5	11.2	M
55 Benzene	78	5.325	5.331	-0.006	92	15756	0.5000	0.6704	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	95	7259	0.5000	0.7028	
59 n-Heptane	43	5.526	5.532	-0.006	92	8096	0.5000	0.6776	
60 Trichloroethene	95	5.951	5.945	0.006	95	3823	0.5000	0.6016	
62 Methylcyclohexane	83	6.079	6.079	0.000	93	7014	0.5000	0.7022	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	81	3856	0.5000	0.6181	
64 Dibromomethane	93	6.298	6.304	-0.006	86	2328	0.5000	0.6369	
66 1,4-Dioxane	88		6.316				ND	ND	
67 Dichlorobromomethane	83	6.462	6.456	0.006	90	4018	0.5000	0.5532	
69 2-Chloroethyl vinyl ether	63	6.742	6.736	0.006	86	1669	0.5000	0.4054	
71 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	86	5315	0.5000	0.6009	
72 4-Methyl-2-pentanone (MIBK	58	7.028	7.016	0.012	98	8425	2.50	2.68	
73 Toluene	92	7.186	7.180	0.006	95	9536	0.5000	0.6248	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	94	4073	0.5000	0.5053	
77 Ethyl methacrylate	69	7.497	7.491	0.006	88	4067	0.5000	0.5223	
78 1,1,2-Trichloroethane	83	7.637	7.630	0.007	81	2659	0.5000	0.6430	
79 Tetrachloroethene	166	7.728	7.722	0.006	93	4263	0.5000	0.6020	
80 1,3-Dichloropropane	76	7.801	7.795	0.006	93	5112	0.5000	0.5425	
82 2-Hexanone	43	7.868	7.856	0.012	98	14246	2.50	2.48	
83 Chlorodibromomethane	129	8.032	8.032	0.000	82	2829	0.5000	0.5314	
84 Ethylene Dibromide	107	8.141	8.142	-0.001	88	2553	0.5000	0.4680	
85 Chlorobenzene	112	8.628	8.628	0.000	95	10747	0.5000	0.6437	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.719	0.000	45	3756	0.5000	0.6379	
88 Ethylbenzene	91	8.726	8.726	0.000	98	18175	0.5000	0.6554	
90 m-Xylene & p-Xylene	106	8.853	8.847	0.006	0	7503	0.5000	0.6739	
91 o-Xylene	106	9.273	9.273	0.000	94	6922	0.5000	0.6294	
92 Styrene	104	9.303	9.297	0.006	92	9915	0.5000	0.5695	
93 Bromoform	173	9.535	9.535	0.000	1	1030	0.5000	0.3598	
95 Isopropylbenzene	105	9.656	9.656	0.000	95	16586	0.5000	0.6063	
97 Bromobenzene	156	9.997	9.991	0.006	88	3988	0.5000	0.5542	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	87	4147	0.5000	0.6524	
99 1,2,3-Trichloropropane	110	10.064	10.058	0.006	18	1157	0.5000	0.4906	
101 trans-1,4-Dichloro-2-buten	53	10.070	10.076	-0.006	1	1321	0.5000	0.5246	M
100 N-Propylbenzene	91	10.076	10.076	0.000	97	19404	0.5000	0.6404	
102 2-Chlorotoluene	126	10.179	10.173	0.006	95	3993	0.5000	0.5847	
104 1,3,5-Trimethylbenzene	105	10.252	10.253	0.000	95	14406	0.5000	0.6428	
105 4-Chlorotoluene	91	10.289	10.283	0.006	98	13876	0.5000	0.6407	
106 tert-Butylbenzene	134	10.569	10.569	0.000	93	3338	0.5000	0.6239	
108 1,2,4-Trimethylbenzene	105	10.624	10.618	0.006	96	13762	0.5000	0.5852	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	17181	0.5000	0.5982	
110 1,3-Dichlorobenzene	146	10.910	10.903	0.007	73	8241	0.5000	0.6375	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	96	14638	0.5000	0.5813	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	89	7938	0.5000	0.5775	
115 n-Butylbenzene	91	11.299	11.299	0.000	95	11371	0.5000	0.5639	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	92	7220	0.5000	0.5879	
117 1,2-Dibromo-3-Chloropropan	75		12.059				ND	ND	
119 1,2,4-Trichlorobenzene	180	12.741	12.747	-0.006	85	3557	0.5000	0.4906	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	82	1962	0.5000	0.5268	
121 Naphthalene	128	12.960	12.954	0.006	95	10263	0.5000	0.5268	
122 1,2,3-Trichlorobenzene	180	13.160	13.154	0.006	91	3748	0.5000	0.5535	
S 123 1,3-Dichloropropene, Total	1				0			1.11	
S 124 1,2-Dichloroethene, Total	1				0			1.02	
S 125 Total BTEX	1				0			3.25	
S 126 Xylenes, Total	1				0			1.30	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	0.50	Units: uL	
GAS CORP mix_00124	Amount Added:	0.50	Units: uL	
N_8260_Surr_00162	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added:	1.00	Units: uL	Run Reagent

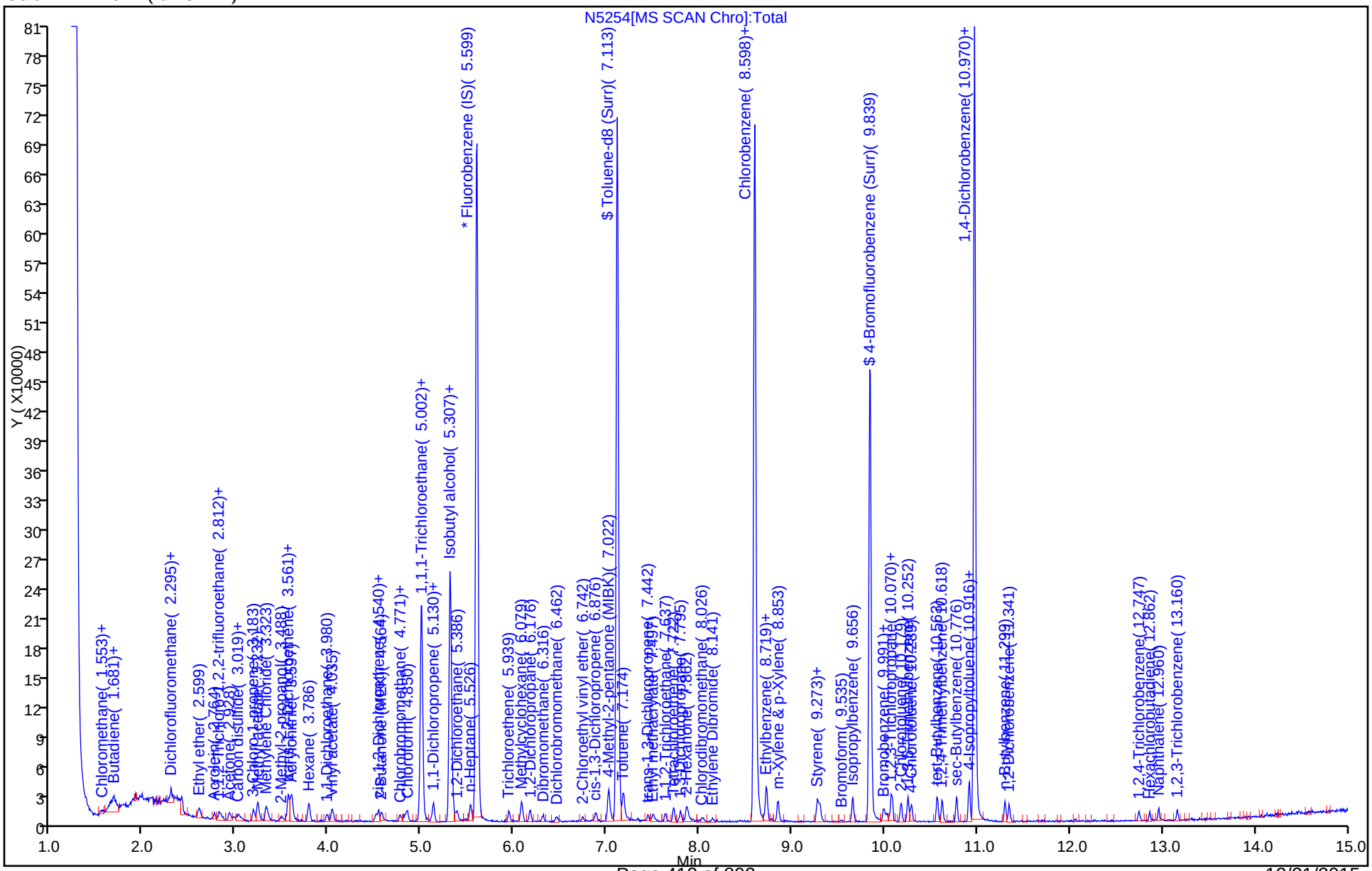
Report Date: 04-Dec-2015 23:07:45 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5254.D

Injection Date:	04-Dec-2015 12:30:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	51
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

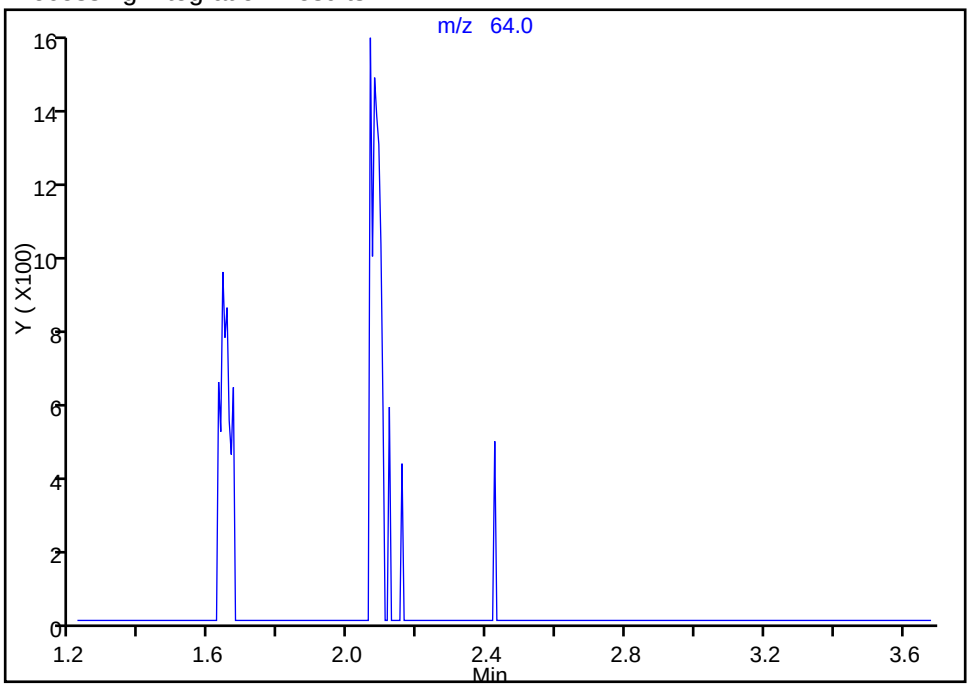
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5254.D
Injection Date: 04-Dec-2015 12:30:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 51 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

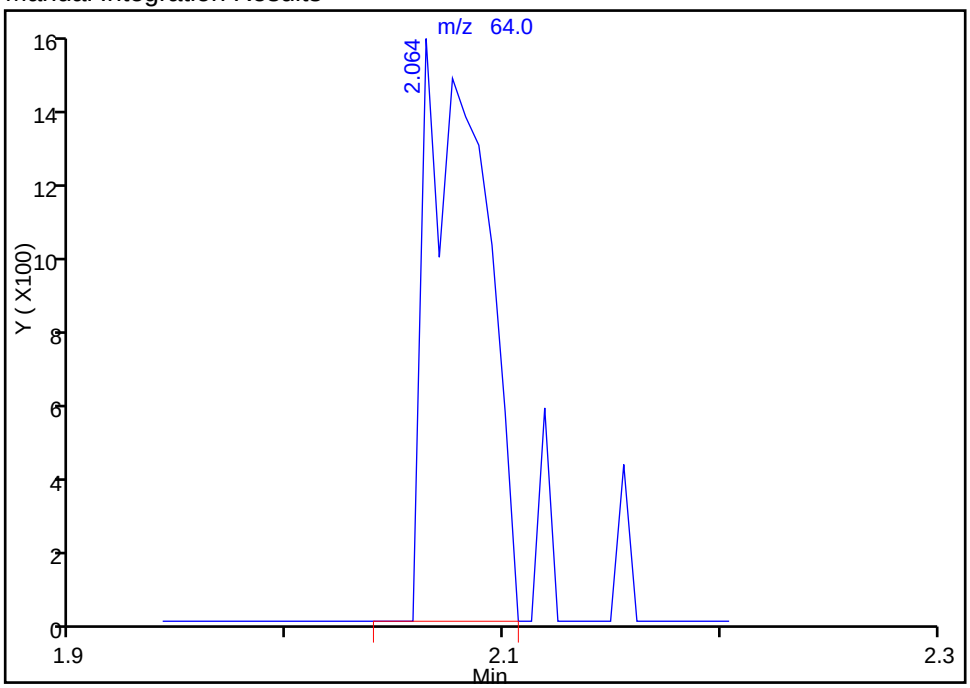
Not Detected
Expected RT: 2.08

Processing Integration Results



Manual Integration Results

RT: 2.06
Area: 2938
Amount: 0.665527
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:02:23
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

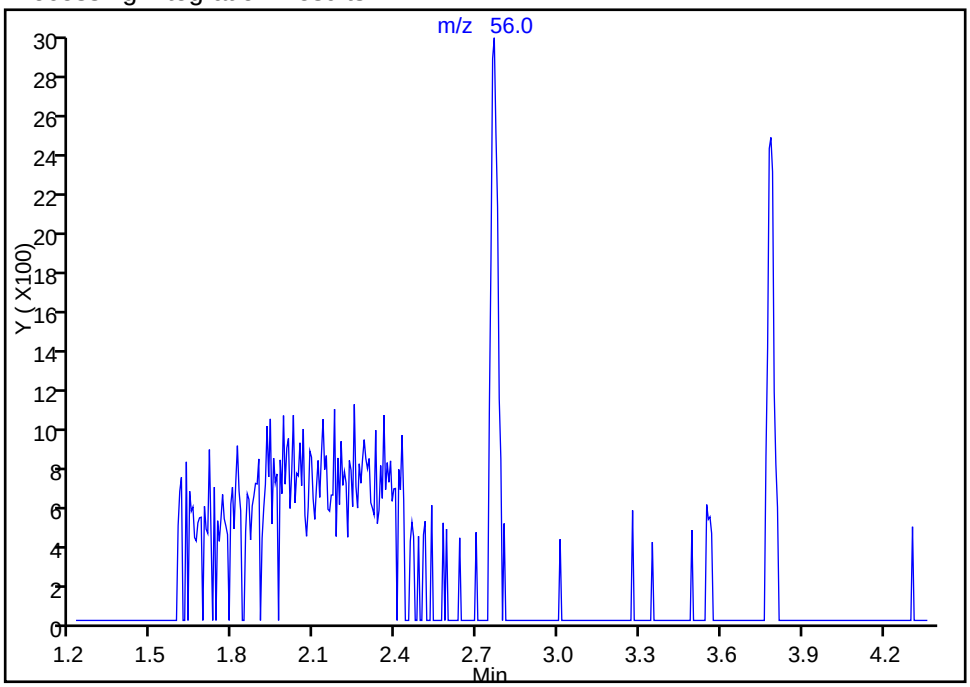
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5254.D
Injection Date: 04-Dec-2015 12:30:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 51 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

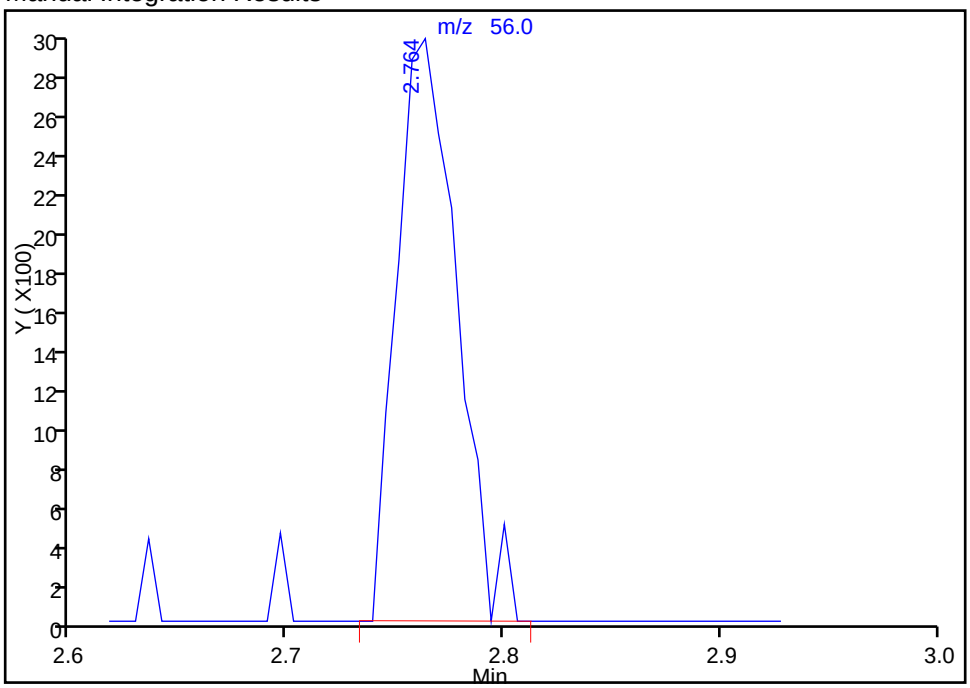
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 5805
Amount: 3.590149
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:02:23
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

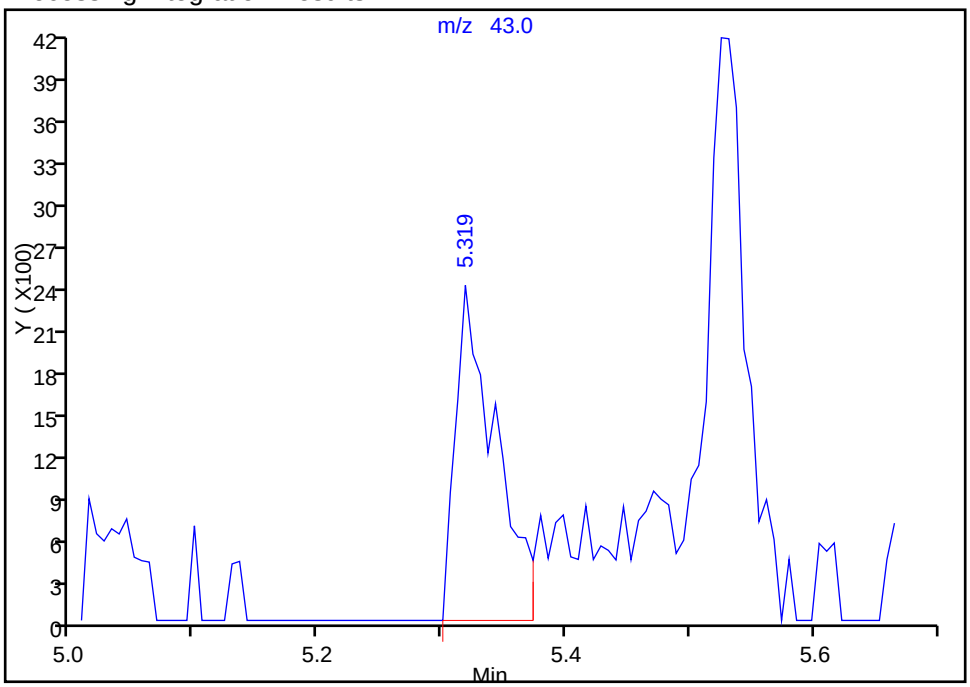
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5254.D
Injection Date: 04-Dec-2015 12:30:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 51 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

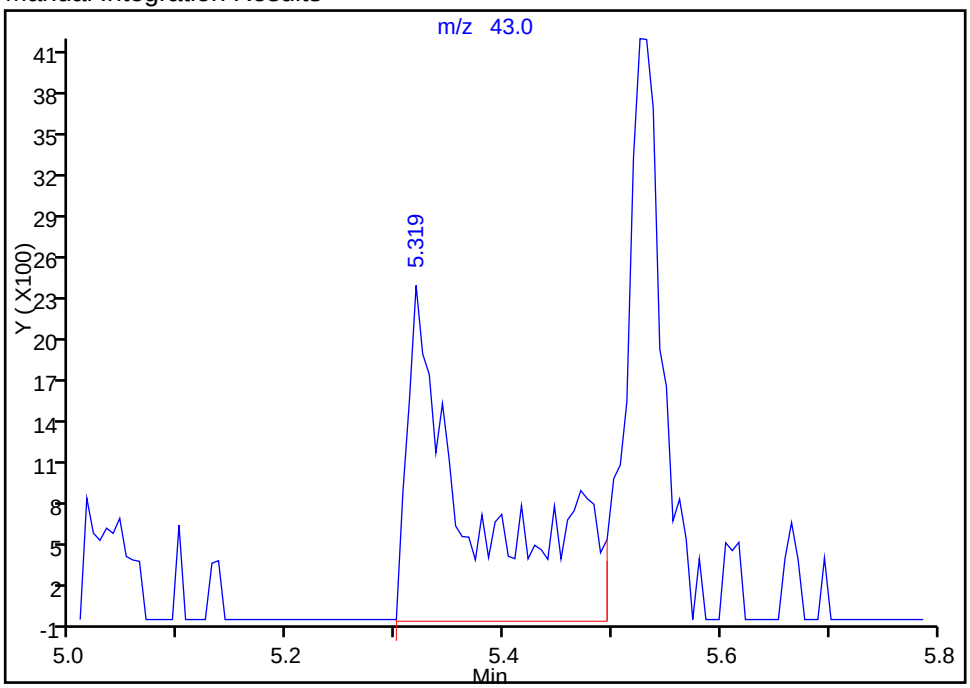
Processing Integration Results

RT: 5.32
Area: 5354
Amount: 11.552144
Amount Units: ug/L



Manual Integration Results

RT: 5.32
Area: 10101
Amount: 11.205438
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:05:10
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

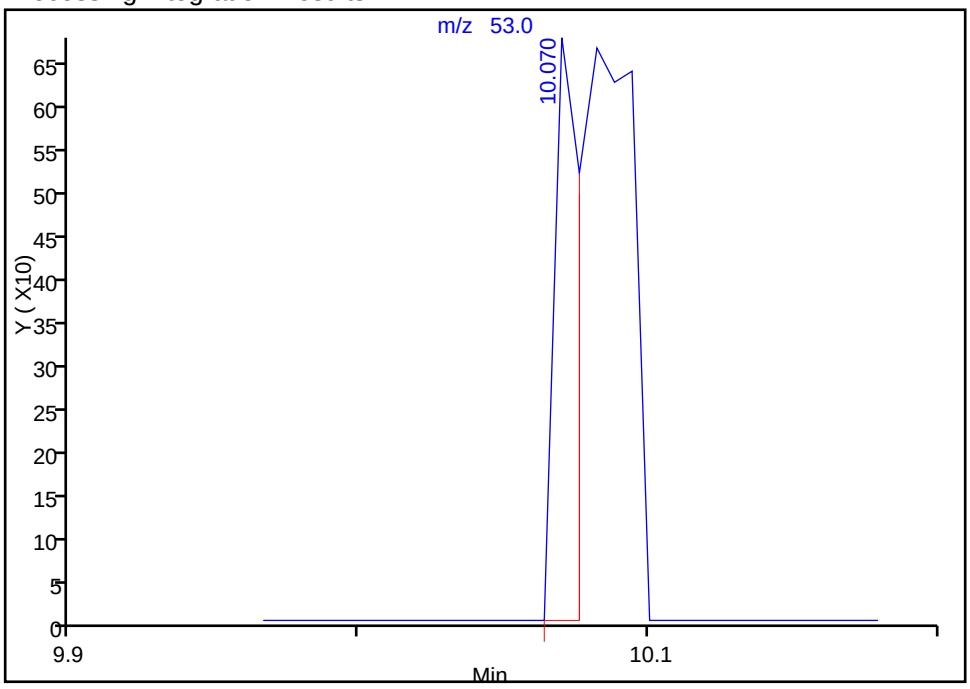
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5254.D
Injection Date: 04-Dec-2015 12:30:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 51 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

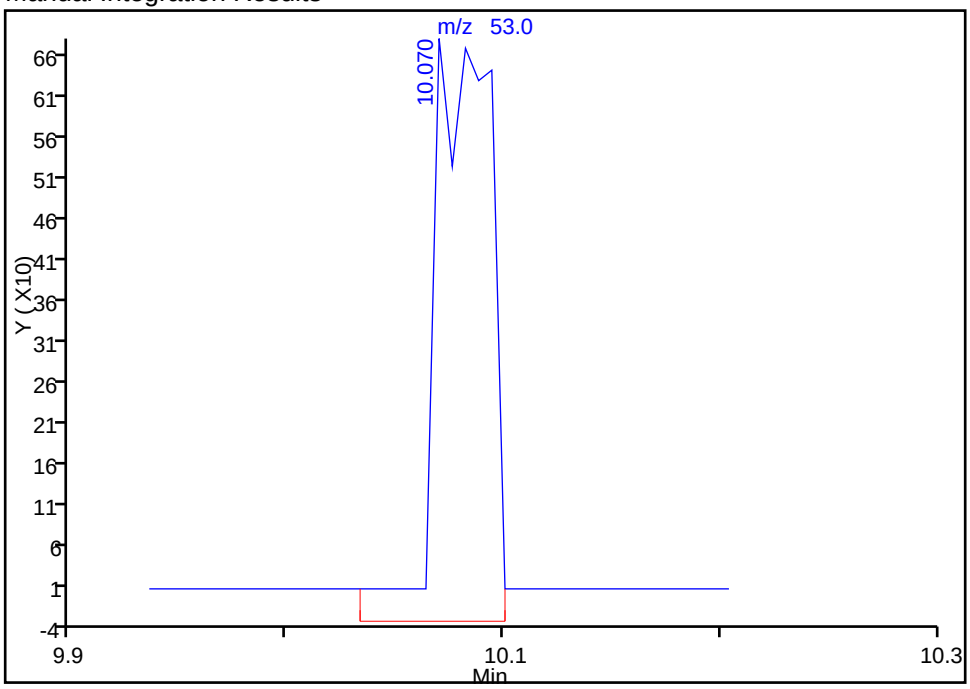
Processing Integration Results

RT: 10.07
Area: 439
Amount: 0.070929
Amount Units: ug/L



Manual Integration Results

RT: 10.07
Area: 1321
Amount: 0.524584
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:02:23
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Dec-2015 12:57:30 ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 480-0048944-004
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:47 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 16:03:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.593	5.593	0.000	98	122237	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	88	435041	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	210451	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	4.996	0.006	93	129092	25.0	25.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	183883	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	483370	25.0	26.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	141569	25.0	25.3	
11 Dichlorodifluoromethane	85	1.377	1.370	0.007	98	7364	1.00	1.13	
13 Chloromethane	50	1.541	1.541	0.000	96	9428	1.00	1.12	
14 Vinyl chloride	62	1.644	1.650	-0.006	95	8753	1.00	1.15	
144 Butadiene	54	1.669	1.681	-0.012	0	8341	1.00	1.06	M
15 Bromomethane	94	1.979	1.979	0.000	90	4616	1.00	1.16	
16 Chloroethane	64	2.082	2.082	0.000	0	5306	1.00	1.15	M
17 Dichlorofluoromethane	67	2.301	2.301	0.000	95	15448	1.00	0.9567	
18 Trichlorofluoromethane	101	2.301	2.307	-0.006	71	9550	1.00	1.07	
19 Ethyl ether	59	2.599	2.599	0.000	98	9572	1.00	1.30	
20 Acrolein	56	2.770	2.764	0.006	92	9614	5.00	5.69	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	94	7142	1.00	1.23	
21 1,1,2-Trichloro-1,2,2-trif	101	2.818	2.831	-0.013	47	5224	1.00	1.04	
23 Acetone	43	2.922	2.922	0.000	98	21002	5.00	4.56	
24 Iodomethane	142	2.970	3.001	-0.031	93	11334	1.00	1.17	
25 Carbon disulfide	76	3.019	3.031	-0.012	98	22257	1.00	1.24	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	87	15670	1.00	1.19	
28 Methyl acetate	43	3.232	3.226	0.006	100	46579	5.00	6.22	
30 Methylene Chloride	84	3.323	3.329	-0.006	92	10171	1.00	0.9501	
31 2-Methyl-2-propanol	59	3.494	3.481	0.013	93	9042	10.0	12.7	M
32 Methyl tert-butyl ether	73	3.555	3.554	0.000	97	27145	1.00	1.25	
33 trans-1,2-Dichloroethene	96	3.567	3.567	0.000	81	8394	1.00	1.28	
34 Acrylonitrile	53	3.597	3.591	0.006	99	42422	10.0	10.9	
35 Hexane	57	3.786	3.786	0.000	93	14203	1.00	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	95	15691	1.00	1.23	
39 Vinyl acetate	43	4.035	4.035	0.000	97	37975	2.00	2.12	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	86	8300	1.00	1.26	
43 cis-1,2-Dichloroethene	96	4.546	4.534	0.012	84	9330	1.00	1.11	
44 2-Butanone (MEK)	43	4.570	4.558	0.012	98	26561	5.00	6.05	
47 Chlorobromomethane	128	4.771	4.771	0.000	95	4112	1.00	1.18	
49 Tetrahydrofuran	42	4.802	4.802	0.000	0	6605	2.00	2.10	M
50 Chloroform	83	4.844	4.844	0.000	96	14955	1.00	1.02	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	92	10561	1.00	1.21	
52 Cyclohexane	56	4.996	5.002	-0.006	35	14177	1.00	1.23	
53 Carbon tetrachloride	117	5.118	5.124	-0.006	82	10524	1.00	1.24	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	89	11011	1.00	1.27	
56 Isobutyl alcohol	43	5.325	5.313	0.012	41	16081	25.0	25.3	M
55 Benzene	78	5.331	5.331	0.000	96	30489	1.00	1.24	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	95	13059	1.00	1.21	
59 n-Heptane	43	5.526	5.532	-0.006	95	14985	1.00	1.20	
60 Trichloroethene	95	5.939	5.945	-0.006	93	8220	1.00	1.24	
62 Methylcyclohexane	83	6.085	6.079	0.006	91	12441	1.00	1.19	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	85	7756	1.00	1.19	
64 Dibromomethane	93	6.310	6.304	0.006	88	4065	1.00	1.07	
66 1,4-Dioxane	88		6.316				ND	ND	
67 Dichlorobromomethane	83	6.456	6.456	0.000	95	8406	1.00	1.11	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	84	4522	1.00	1.05	
71 cis-1,3-Dichloropropene	75	6.882	6.876	0.006	87	9912	1.00	1.07	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.016	0.006	98	17285	5.00	5.41	
73 Toluene	92	7.180	7.180	0.000	97	19401	1.00	1.25	
75 trans-1,3-Dichloropropene	75	7.448	7.442	0.006	96	8482	1.00	1.04	
77 Ethyl methacrylate	69	7.497	7.491	0.006	91	7771	1.00	0.9823	
78 1,1,2-Trichloroethane	83	7.624	7.630	-0.006	93	4978	1.00	1.18	
79 Tetrachloroethene	166	7.716	7.722	-0.006	92	9297	1.00	1.29	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	96	11330	1.00	1.18	
82 2-Hexanone	43	7.868	7.856	0.012	97	30977	5.00	5.31	
83 Chlorodibromomethane	129	8.032	8.032	0.000	84	5482	1.00	1.01	
84 Ethylene Dibromide	107	8.142	8.142	0.000	99	6165	1.00	1.11	
85 Chlorobenzene	112	8.628	8.628	0.000	95	21043	1.00	1.24	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.719	0.000	44	6976	1.00	1.17	
88 Ethylbenzene	91	8.726	8.726	0.000	98	35831	1.00	1.27	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	13192	1.00	1.17	
91 o-Xylene	106	9.273	9.273	0.000	97	13293	1.00	1.19	
92 Styrene	104	9.303	9.297	0.006	94	18719	1.00	1.06	
93 Bromoform	173	9.541	9.535	0.006	88	2705	1.00	0.9301	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	34143	1.00	1.22	
97 Bromobenzene	156	9.997	9.991	0.006	87	9020	1.00	1.23	
98 1,1,2,2-Tetrachloroethane	83	10.021	10.027	-0.006	93	7339	1.00	1.13	
99 1,2,3-Trichloropropane	110	10.064	10.058	0.006	46	2780	1.00	1.16	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	38	2718	1.00	1.06	M
100 N-Propylbenzene	91	10.076	10.076	0.000	98	39428	1.00	1.28	
102 2-Chlorotoluene	126	10.180	10.173	0.007	96	8397	1.00	1.21	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.001	96	27612	1.00	1.21	
105 4-Chlorotoluene	91	10.283	10.283	0.000	96	28428	1.00	1.29	M
106 tert-Butylbenzene	134	10.569	10.569	0.000	93	6305	1.00	1.16	
108 1,2,4-Trimethylbenzene	105	10.624	10.618	0.006	97	29113	1.00	1.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	34925	1.00	1.19	
110 1,3-Dichlorobenzene	146	10.910	10.903	0.007	96	15856	1.00	1.20	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	30726	1.00	1.20	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	92	17571	1.00	1.25	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	24523	1.00	1.19	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	15508	1.00	1.24	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	76	826	1.00	0.7385	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	8711	1.00	1.18	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	89	3711	1.00	0.9769	
121 Naphthalene	128	12.960	12.954	0.006	97	22418	1.00	1.13	
122 1,2,3-Trichlorobenzene	180	13.160	13.154	0.006	96	7839	1.00	1.14	
S 123 1,3-Dichloropropene, Total	1				0			2.11	
S 124 1,2-Dichloroethene, Total	1				0			2.39	
S 125 Total BTEX	1				0			6.12	
S 126 Xylenes, Total	1				0			2.36	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	1.00	Units: uL	
GAS CORP mix_00124	Amount Added:	1.00	Units: uL	
N_8260_Surr_00162	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added:	1.00	Units: uL	Run Reagent

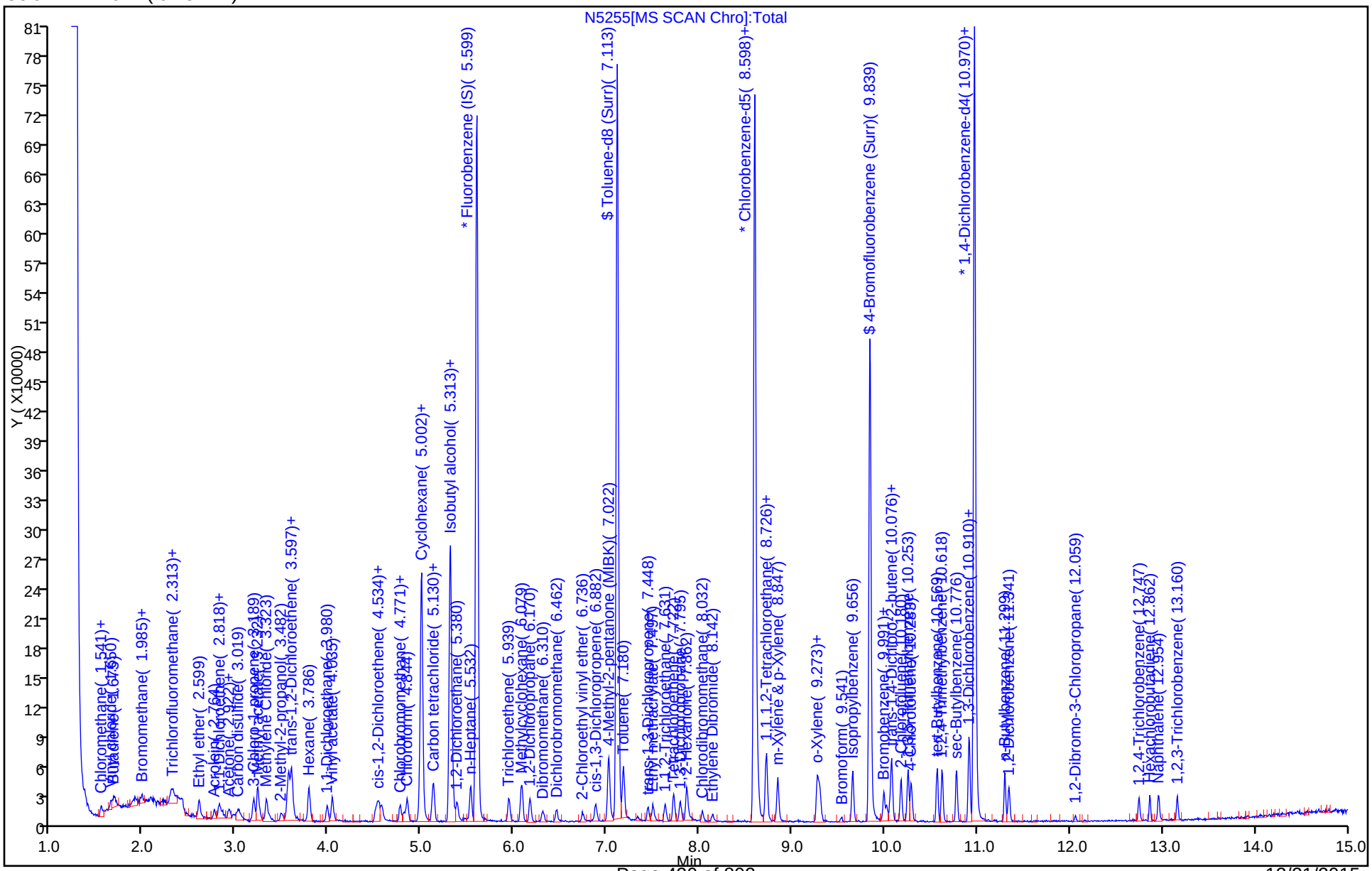
Report Date: 04-Dec-2015 23:07:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D

Injection Date:	04-Dec-2015 12:57:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	52
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

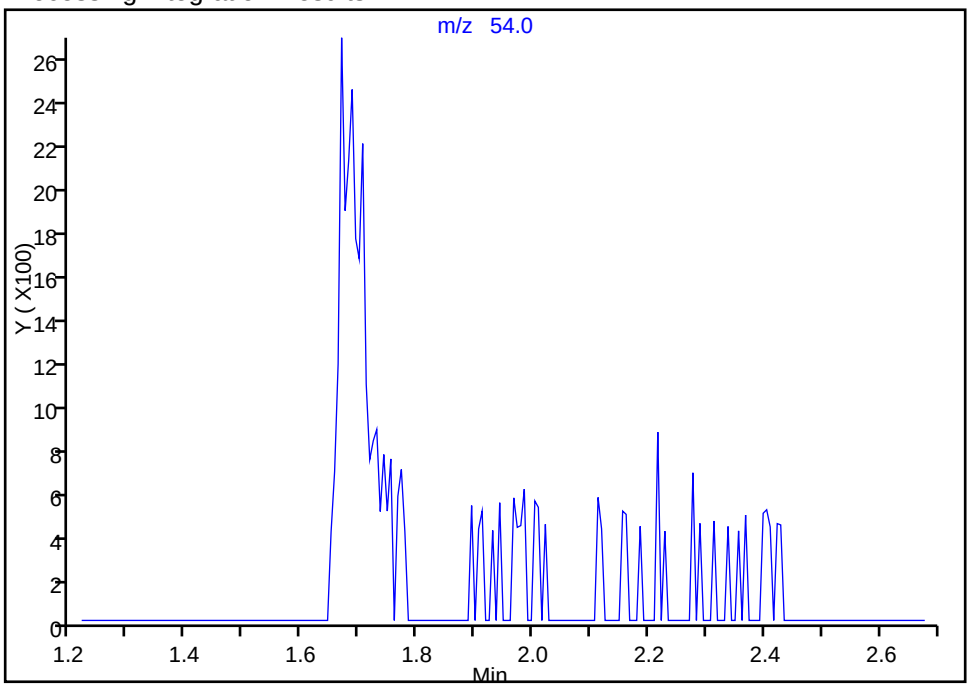
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Injection Date: 04-Dec-2015 12:57:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

144 Butadiene, CAS: 106-99-0

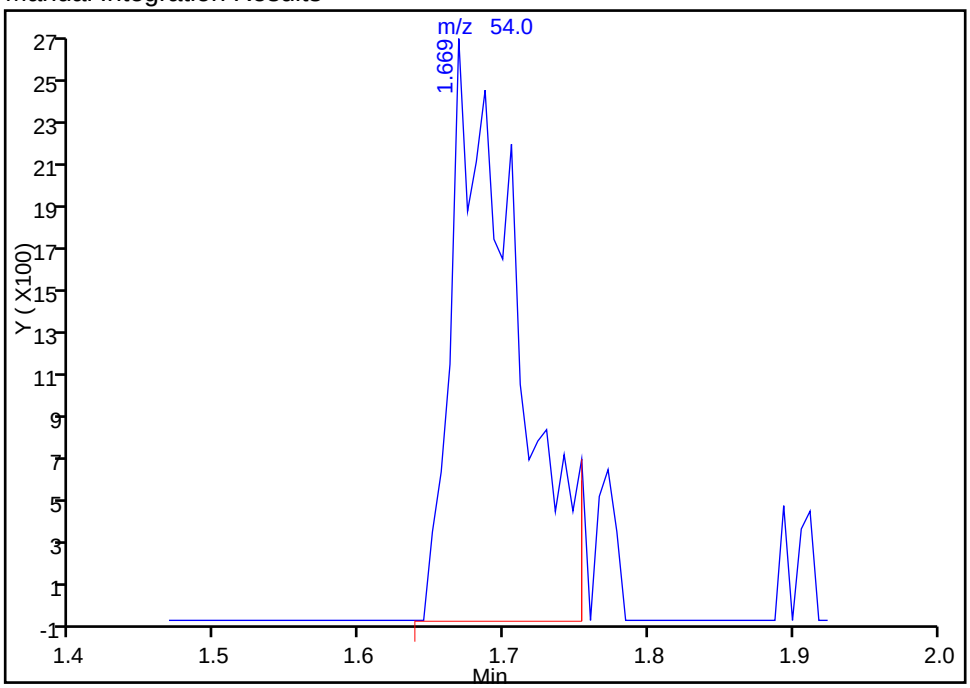
Not Detected
Expected RT: 1.68

Processing Integration Results



Manual Integration Results

RT: 1.67
Area: 8341
Amount: 1.058948
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:03:19
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

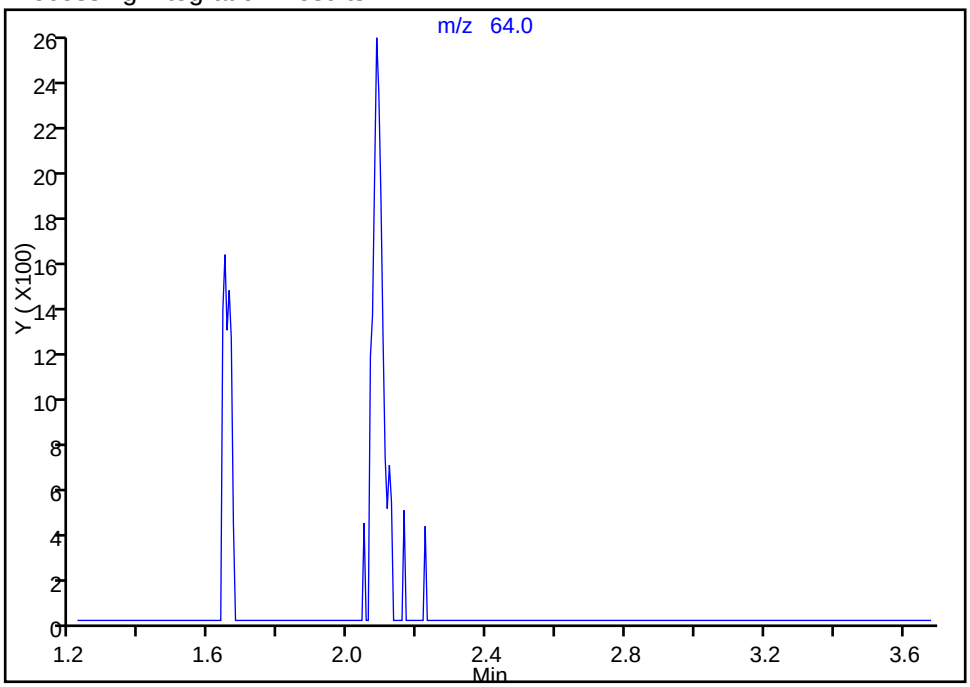
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Injection Date: 04-Dec-2015 12:57:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

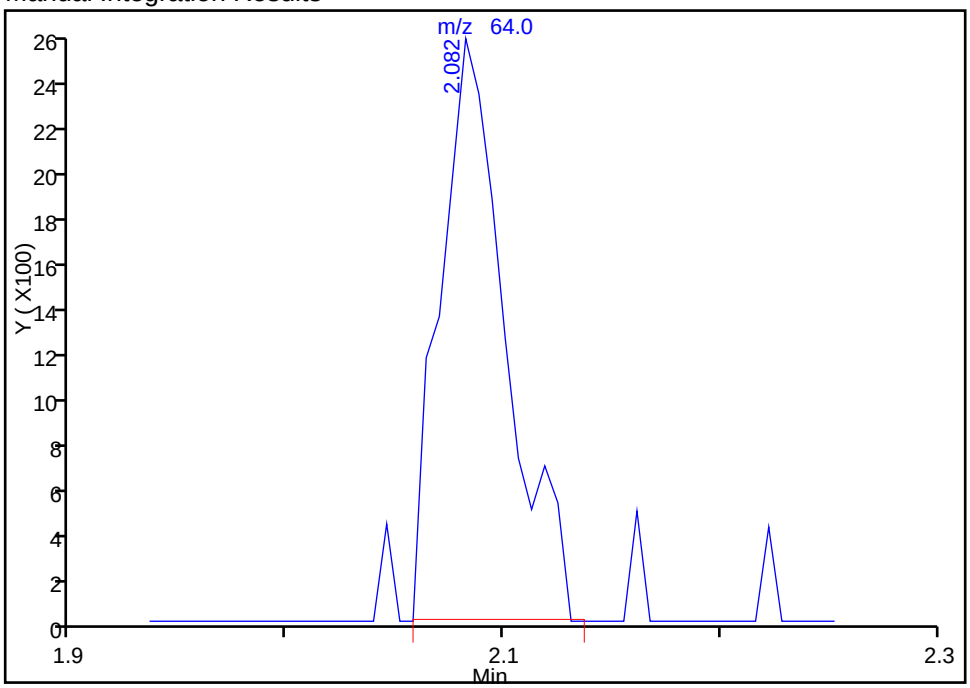
Not Detected
Expected RT: 2.08

Processing Integration Results



Manual Integration Results

RT: 2.08
Area: 5306
Amount: 1.151110
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:03:19
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

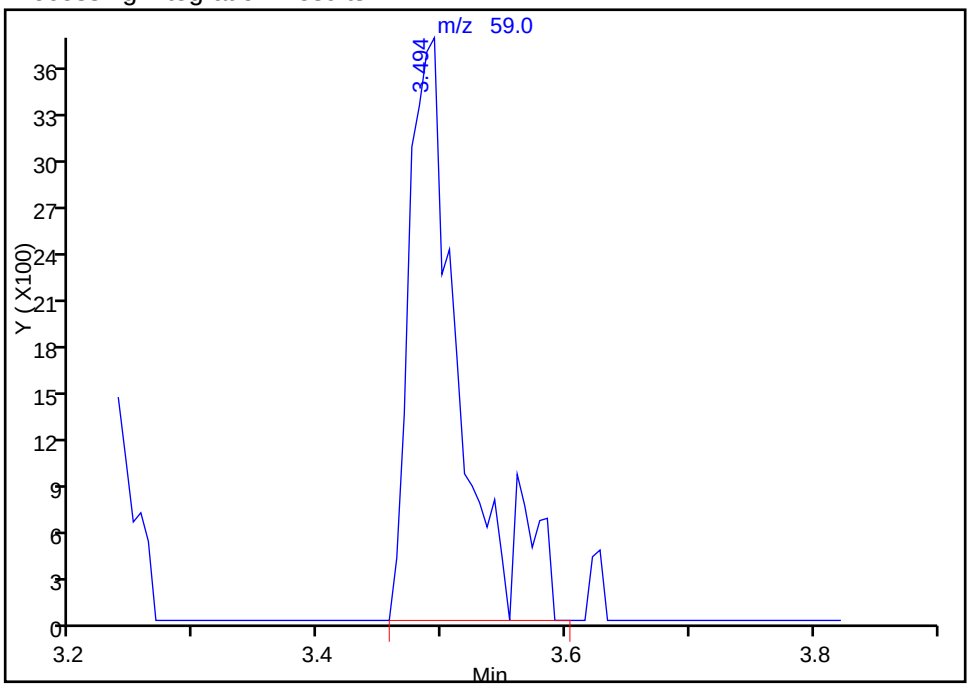
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Injection Date: 04-Dec-2015 12:57:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

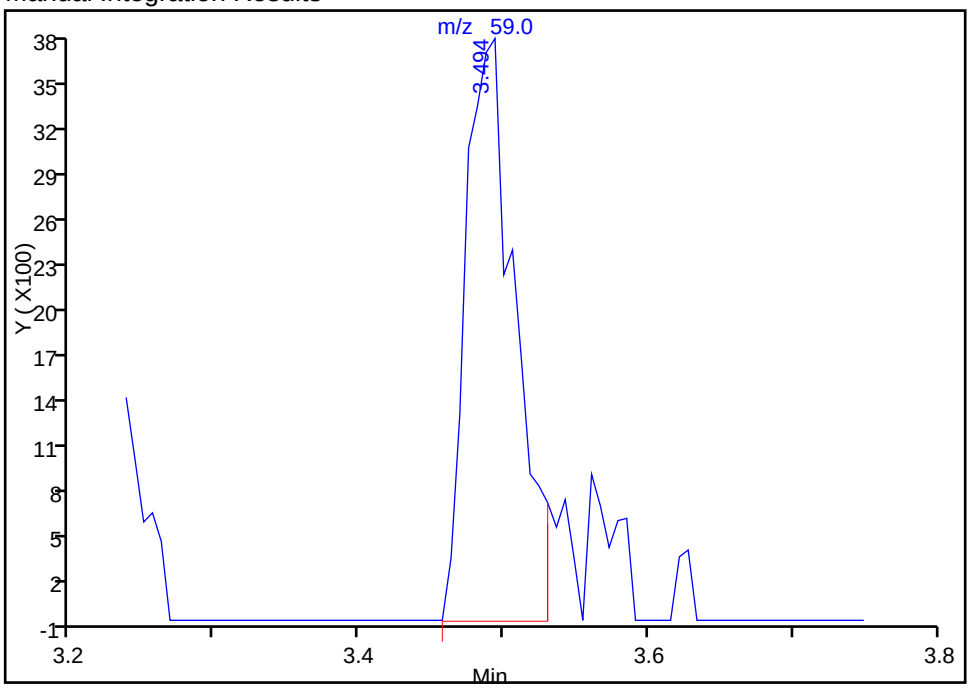
Processing Integration Results

RT: 3.49
Area: 10948
Amount: 12.384896
Amount Units: ug/L



Manual Integration Results

RT: 3.49
Area: 9042
Amount: 12.671896
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

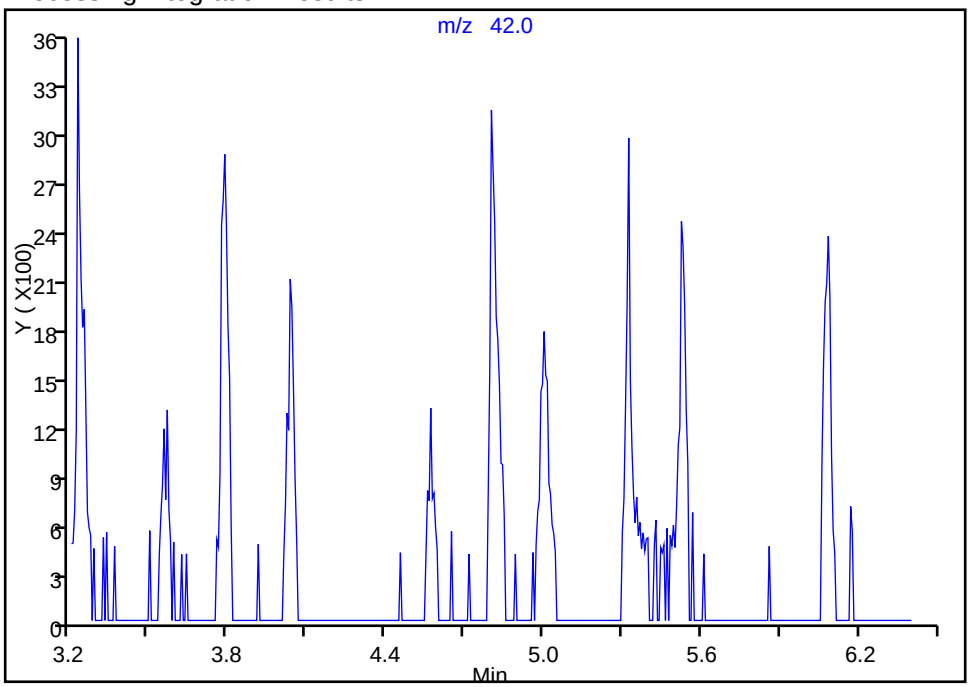
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Injection Date: 04-Dec-2015 12:57:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

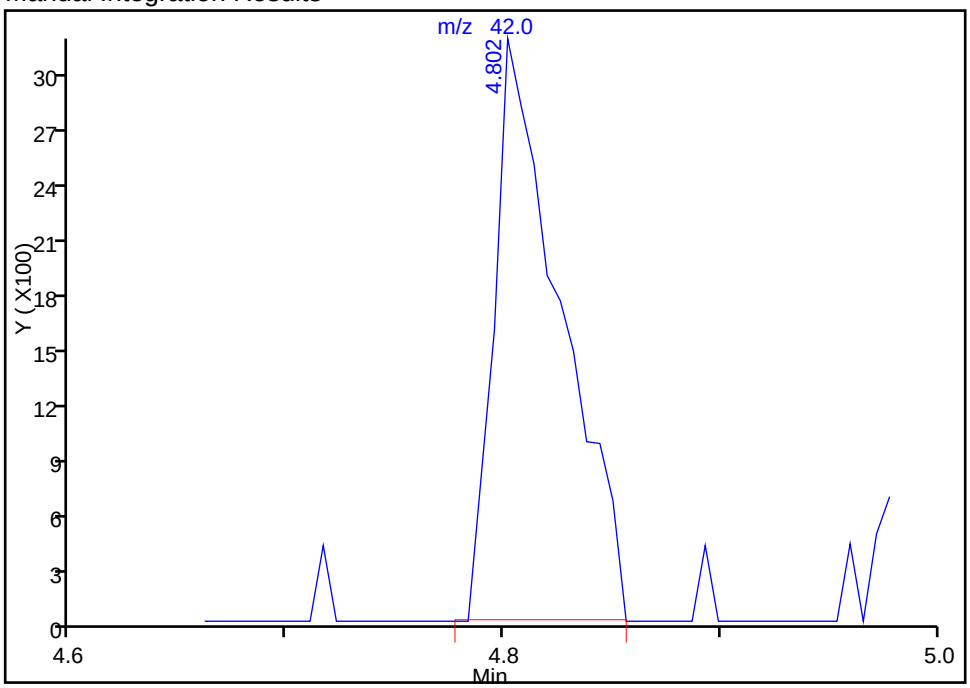
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 6605
Amount: 2.099831
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:04:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

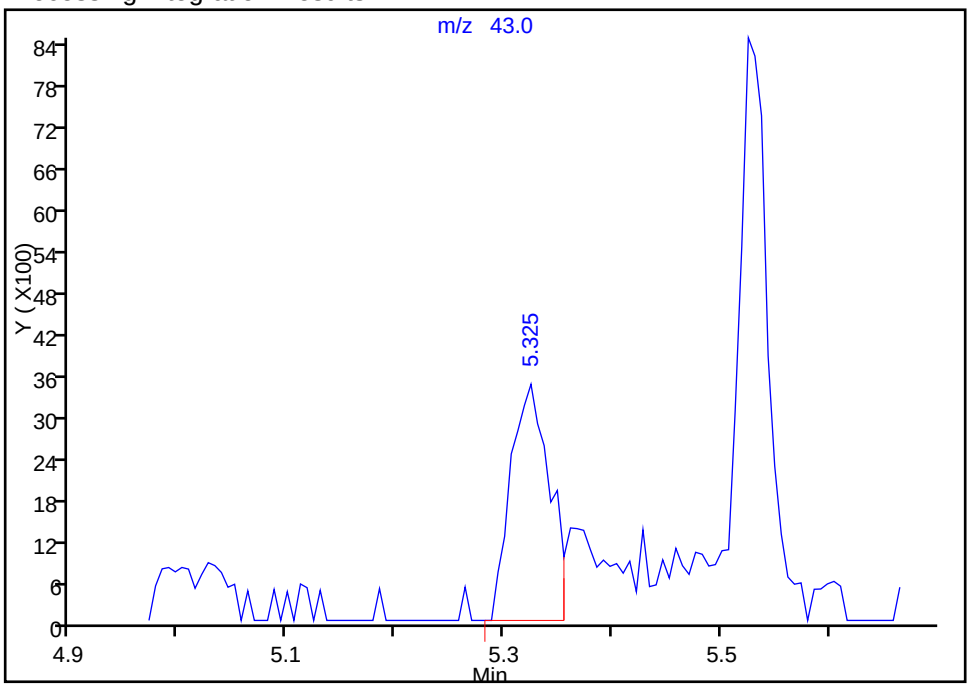
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Injection Date: 04-Dec-2015 12:57:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

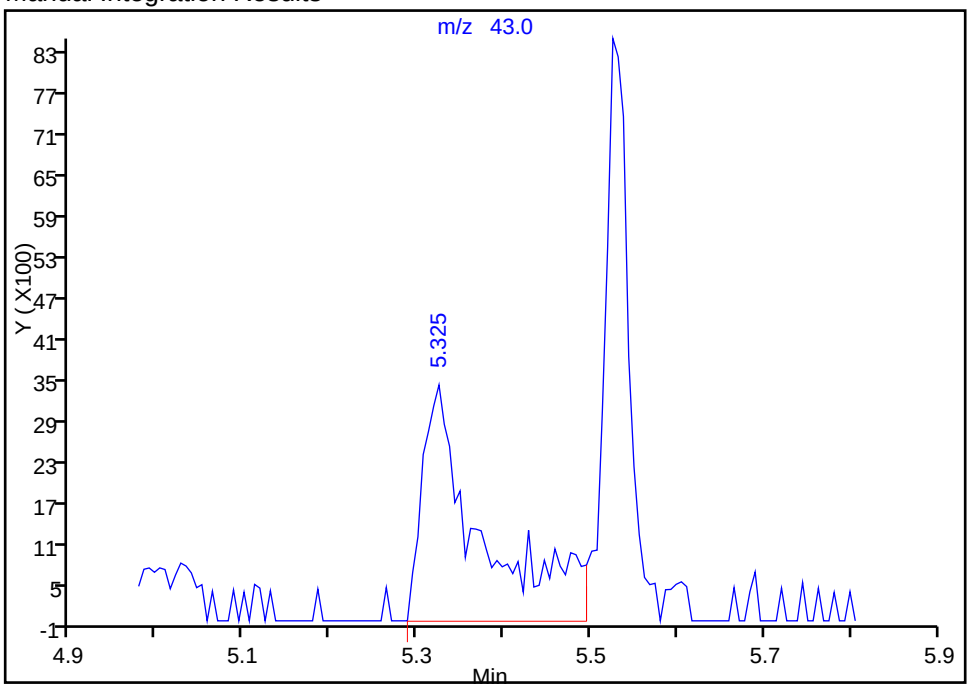
Processing Integration Results

RT: 5.32
Area: 8634
Amount: 18.231443
Amount Units: ug/L



Manual Integration Results

RT: 5.32
Area: 16081
Amount: 25.295737
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:06:40
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

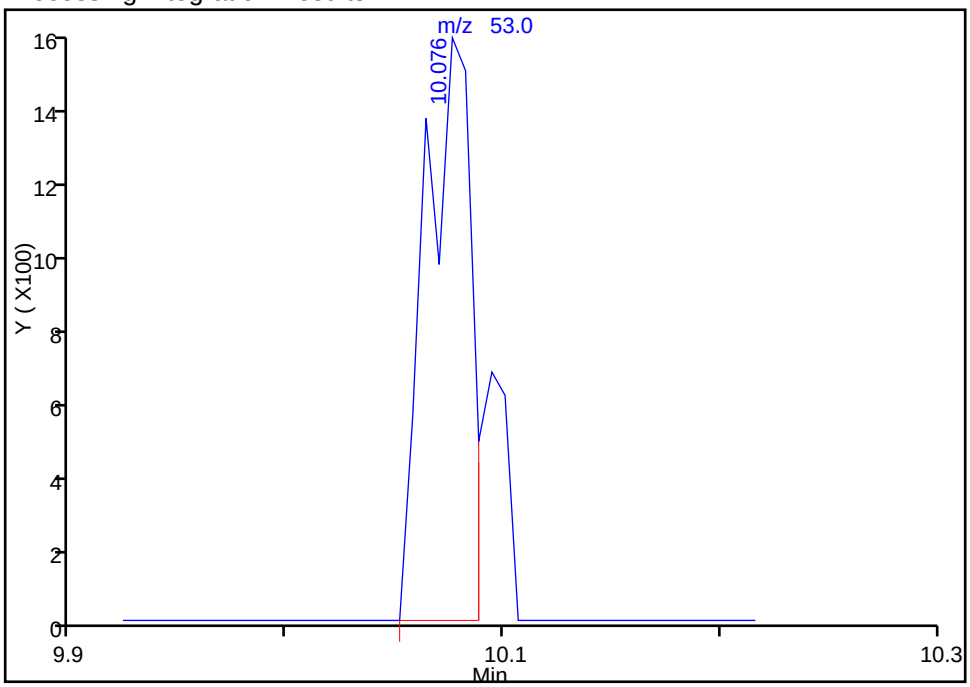
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Injection Date: 04-Dec-2015 12:57:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

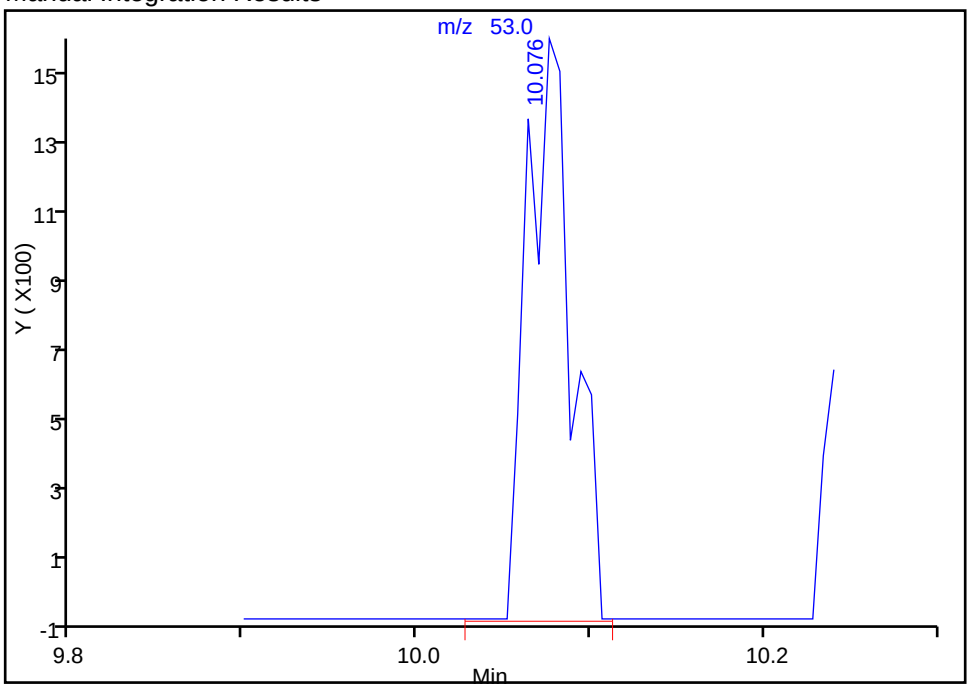
Processing Integration Results

RT: 10.08
Area: 2239
Amount: 0.771946
Amount Units: ug/L



Manual Integration Results

RT: 10.08
Area: 2718
Amount: 1.058248
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:06:40
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

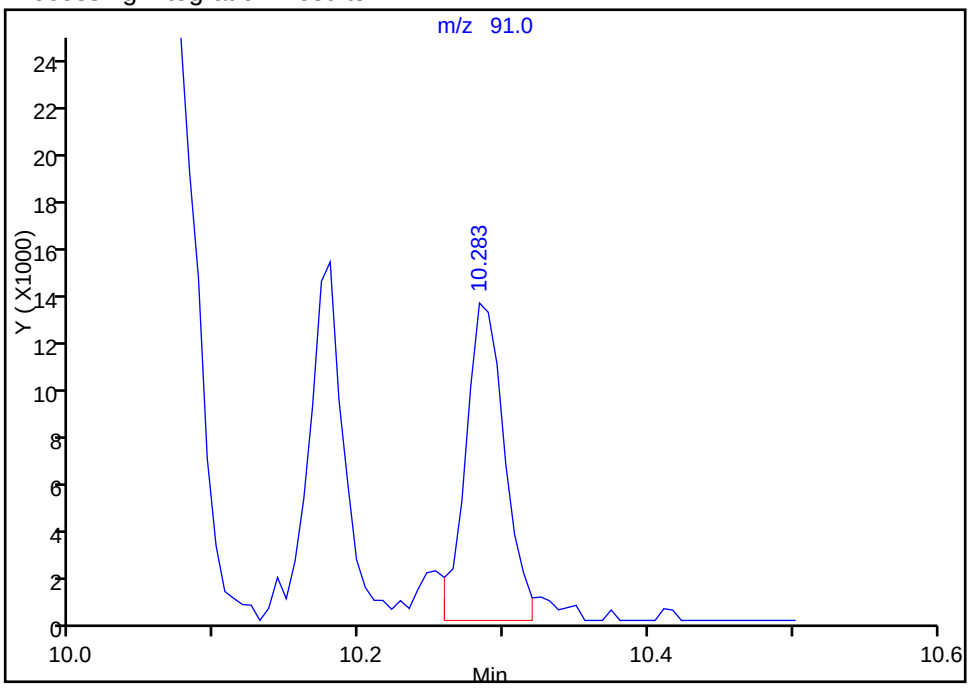
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5255.D
Injection Date: 04-Dec-2015 12:57:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 52 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

105 4-Chlorotoluene, CAS: 106-43-4

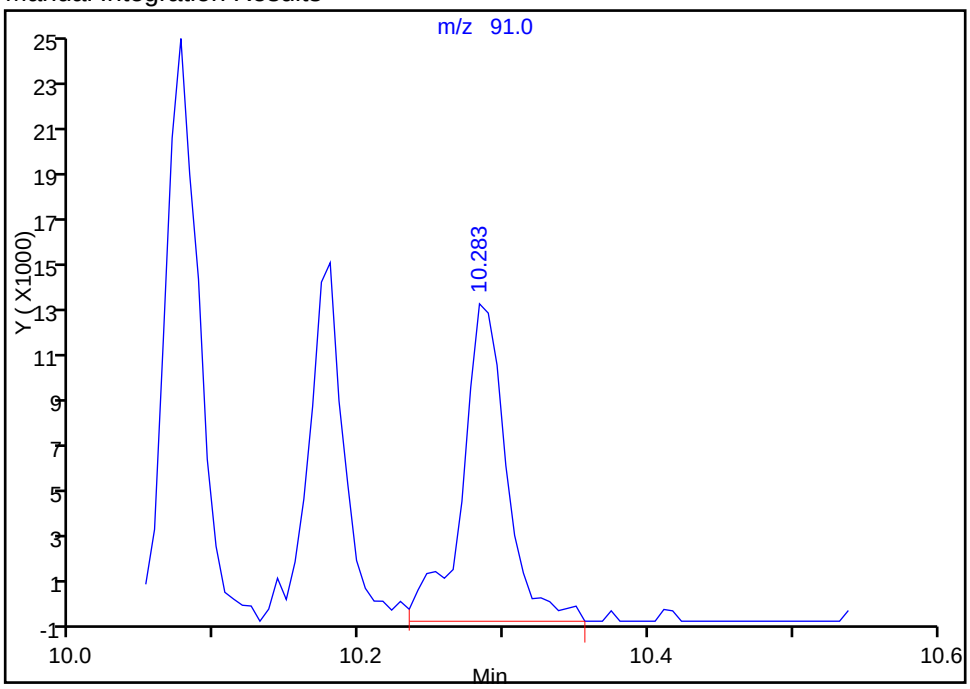
Processing Integration Results

RT: 10.28
Area: 25040
Amount: 0.956631
Amount Units: ug/L



Manual Integration Results

RT: 10.28
Area: 28428
Amount: 1.287049
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:06:40
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5256.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Dec-2015 13:24:30 ALS Bottle#: 53 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 2
Misc. Info.: 480-0048944-005
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:49 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 14:53:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.593	0.007	98	113040	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	420260	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	204909	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	4.996	0.006	93	116837	25.0	25.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	170140	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	439584	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr	174	9.839	9.845	-0.006	86	136801	25.0	25.3	
11 Dichlorodifluoromethane	85	1.377	1.370	0.007	97	14167	2.00	2.35	
13 Chloromethane	50	1.541	1.541	0.000	99	17893	2.00	2.30	
14 Vinyl chloride	62	1.650	1.650	0.000	96	15821	2.00	2.25	
144 Butadiene	54	1.681	1.681	0.000	98	17154	2.00	2.36	
15 Bromomethane	94	1.967	1.979	-0.012	90	9208	2.00	2.50	
16 Chloroethane	64	2.082	2.082	0.000	94	9717	2.00	2.28	
17 Dichlorofluoromethane	67	2.295	2.301	-0.006	97	25474	2.00	2.25	
18 Trichlorofluoromethane	101	2.301	2.307	-0.006	86	19125	2.00	2.31	
19 Ethyl ether	59	2.599	2.599	0.000	97	15939	2.00	2.35	
20 Acrolein	56	2.770	2.764	0.006	98	18805	10.0	12.0	
22 1,1-Dichloroethene	96	2.824	2.818	0.006	94	12061	2.00	2.25	
21 1,1,2-Trichloro-1,2,2-trif	101	2.831	2.831	0.000	55	10046	2.00	2.15	
23 Acetone	43	2.928	2.922	0.006	98	26751	10.0	8.38	
24 Iodomethane	142	2.995	3.001	-0.006	95	19739	2.00	2.21	
25 Carbon disulfide	76	3.031	3.031	0.000	100	38243	2.00	2.31	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	84	29547	2.00	2.42	
28 Methyl acetate	43	3.232	3.226	0.006	99	83785	10.0	12.1	
30 Methylene Chloride	84	3.329	3.329	0.000	98	15987	2.00	2.22	
31 2-Methyl-2-propanol	59	3.488	3.481	0.007	94	16045	20.0	24.3	
32 Methyl tert-butyl ether	73	3.567	3.554	0.013	97	43835	2.00	2.18	
33 trans-1,2-Dichloroethene	96	3.567	3.567	0.000	93	12794	2.00	2.12	
34 Acrylonitrile	53	3.597	3.591	0.006	98	66222	20.0	20.4	
35 Hexane	57	3.786	3.786	0.000	93	23852	2.00	2.30	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	26396	2.00	2.24	
39 Vinyl acetate	43	4.041	4.035	0.006	98	72994	4.00	4.41	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	89	13425	2.00	2.20	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	86	13720	2.00	2.00	
44 2-Butanone (MEK)	43	4.570	4.558	0.012	98	45432	10.0	11.2	
47 Chlorobromomethane	128	4.771	4.771	0.000	93	6451	2.00	2.01	
49 Tetrahydrofuran	42	4.814	4.802	0.012	90	13348	4.00	4.59	
50 Chloroform	83	4.850	4.844	0.006	96	23560	2.00	2.08	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	97	18210	2.00	2.26	
52 Cyclohexane	56	5.002	5.002	0.000	39	22904	2.00	2.14	
53 Carbon tetrachloride	117	5.118	5.124	-0.006	84	17174	2.00	2.19	
54 1,1-Dichloropropene	75	5.136	5.130	0.006	87	17174	2.00	2.14	
56 Isobutyl alcohol	43	5.319	5.313	0.006	44	24045	50.0	50.6	M
55 Benzene	78	5.331	5.331	0.000	96	52863	2.00	2.33	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	96	22281	2.00	2.23	
59 n-Heptane	43	5.532	5.532	0.000	95	28192	2.00	2.44	
60 Trichloroethene	95	5.945	5.945	0.000	92	13113	2.00	2.14	
62 Methylcyclohexane	83	6.079	6.079	0.000	94	22569	2.00	2.34	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	84	13946	2.00	2.31	
64 Dibromomethane	93	6.304	6.304	0.000	95	7668	2.00	2.17	
66 1,4-Dioxane	88	6.323	6.316	0.007	1	1362	40.0	39.3	M
67 Dichlorobromomethane	83	6.456	6.456	0.000	97	14821	2.00	2.11	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	8026	2.00	2.02	
71 cis-1,3-Dichloropropene	75	6.882	6.876	0.006	87	17177	2.00	2.01	
72 4-Methyl-2-pentanone (MIBK	58	7.022	7.016	0.006	99	32338	10.0	10.5	
73 Toluene	92	7.180	7.180	0.000	98	32654	2.00	2.18	
75 trans-1,3-Dichloropropene	75	7.448	7.442	0.006	97	14761	2.00	1.87	
77 Ethyl methacrylate	69	7.497	7.491	0.006	95	15775	2.00	2.06	
78 1,1,2-Trichloroethane	83	7.631	7.630	0.000	93	8573	2.00	2.11	
79 Tetrachloroethene	166	7.722	7.722	0.000	96	15212	2.00	2.19	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	97	18954	2.00	2.05	
82 2-Hexanone	43	7.862	7.856	0.006	97	55979	10.0	9.93	
83 Chlorodibromomethane	129	8.032	8.032	0.000	87	9746	2.00	1.87	
84 Ethylene Dibromide	107	8.148	8.142	0.006	92	11218	2.00	2.10	
85 Chlorobenzene	112	8.628	8.628	0.000	94	36782	2.00	2.24	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.719	0.000	43	11055	2.00	1.91	
88 Ethylbenzene	91	8.726	8.726	0.000	98	63610	2.00	2.34	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	24418	2.00	2.23	
91 o-Xylene	106	9.273	9.273	0.000	97	22557	2.00	2.09	
92 Styrene	104	9.297	9.297	0.000	95	37378	2.00	2.19	
93 Bromoform	173	9.541	9.535	0.006	94	5082	2.00	1.81	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	60707	2.00	2.23	
97 Bromobenzene	156	9.991	9.991	0.000	93	15930	2.00	2.23	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	90	12635	2.00	2.00	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	90	5032	2.00	2.15	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	61	4719	2.00	1.89	
100 N-Propylbenzene	91	10.076	10.076	0.000	99	67284	2.00	2.24	
102 2-Chlorotoluene	126	10.180	10.173	0.007	97	14675	2.00	2.16	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.001	93	49118	2.00	2.21	
105 4-Chlorotoluene	91	10.283	10.283	0.000	98	44578	2.00	2.07	
106 tert-Butylbenzene	134	10.569	10.569	0.000	93	11853	2.00	2.23	
108 1,2,4-Trimethylbenzene	105	10.624	10.618	0.006	98	51142	2.00	2.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	62054	2.00	2.18	
110 1,3-Dichlorobenzene	146	10.910	10.903	0.007	95	29517	2.00	2.30	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	53789	2.00	2.15	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	93	29316	2.00	2.15	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	41852	2.00	2.09	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	95	26125	2.00	2.14	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	71	2060	2.00	1.89	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	92	14127	2.00	1.96	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	93	8630	2.00	2.33	
121 Naphthalene	128	12.960	12.954	0.006	98	36740	2.00	1.90	
122 1,2,3-Trichlorobenzene	180	13.160	13.154	0.006	95	14075	2.00	2.09	
S 123 1,3-Dichloropropene, Total	1				0			3.88	
S 124 1,2-Dichloroethene, Total	1				0			4.11	
S 125 Total BTEX	1				0			11.2	
S 126 Xylenes, Total	1				0			4.32	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	2.00	Units: uL	
GAS CORP mix_00124	Amount Added:	2.00	Units: uL	
N_8260_Surr_00162	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added:	1.00	Units: uL	Run Reagent

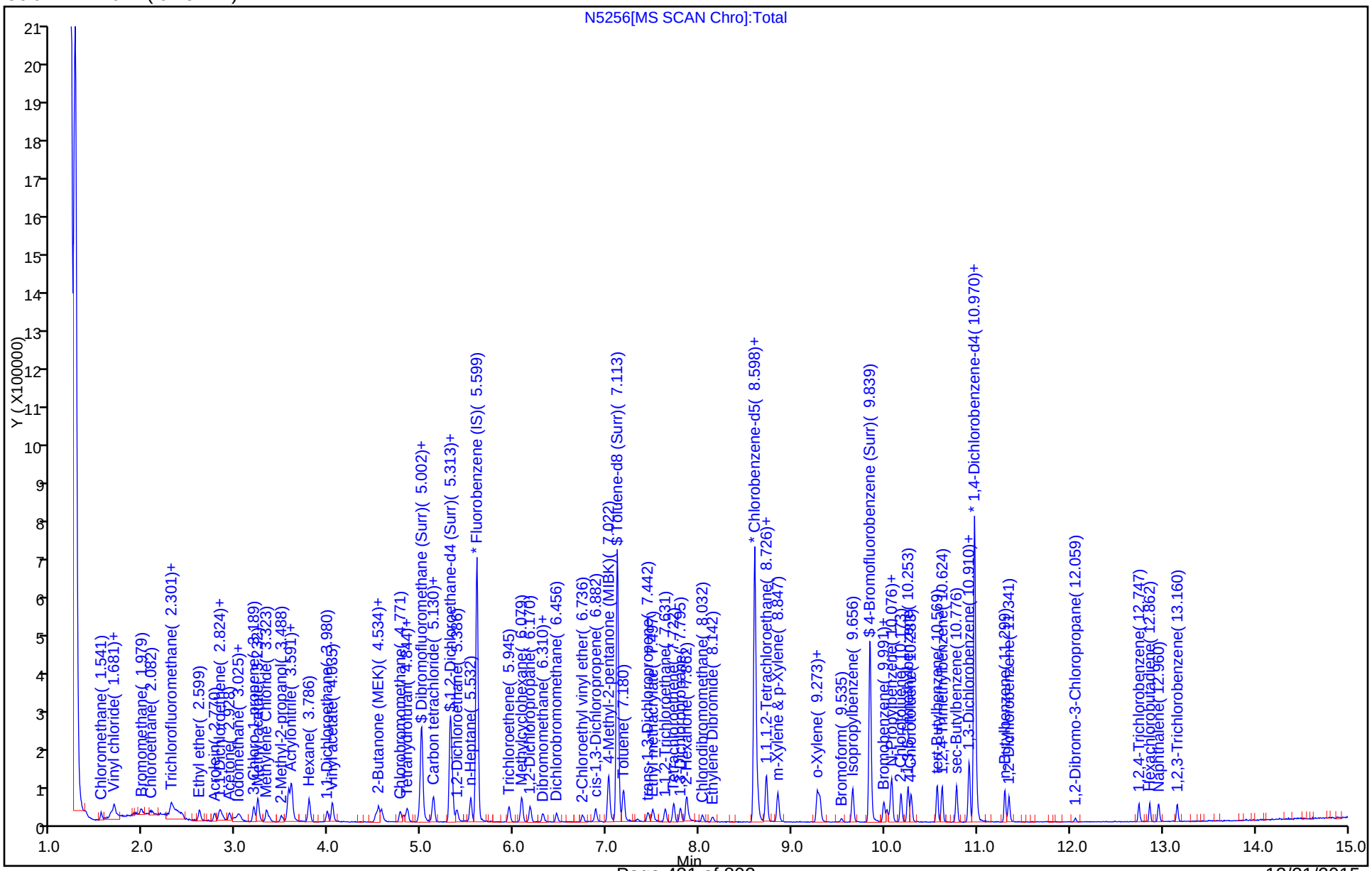
Report Date: 04-Dec-2015 23:07:50 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5256.D

Injection Date:	04-Dec-2015 13:24:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

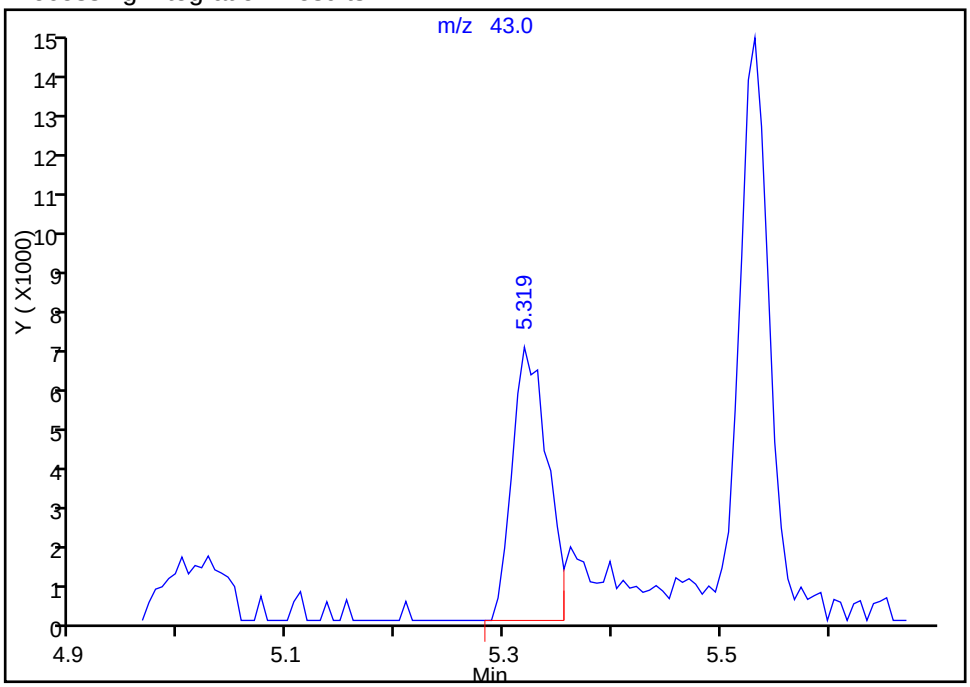
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5256.D
Injection Date: 04-Dec-2015 13:24:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 53 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

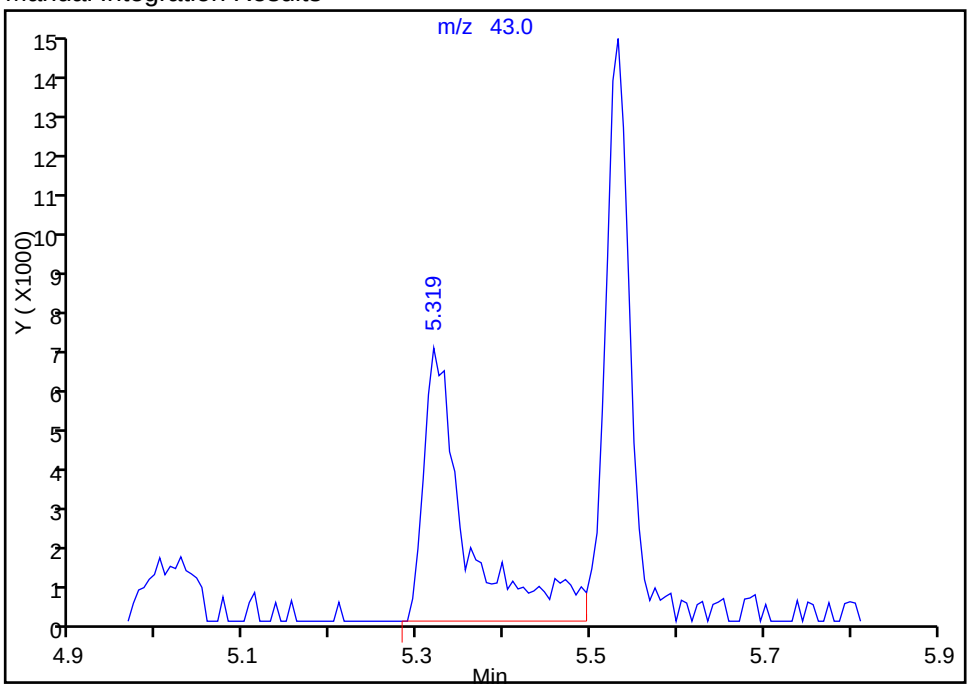
Processing Integration Results

RT: 5.32
Area: 15767
Amount: 29.486978
Amount Units: ug/L



Manual Integration Results

RT: 5.32
Area: 24045
Amount: 50.554167
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:07:43
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

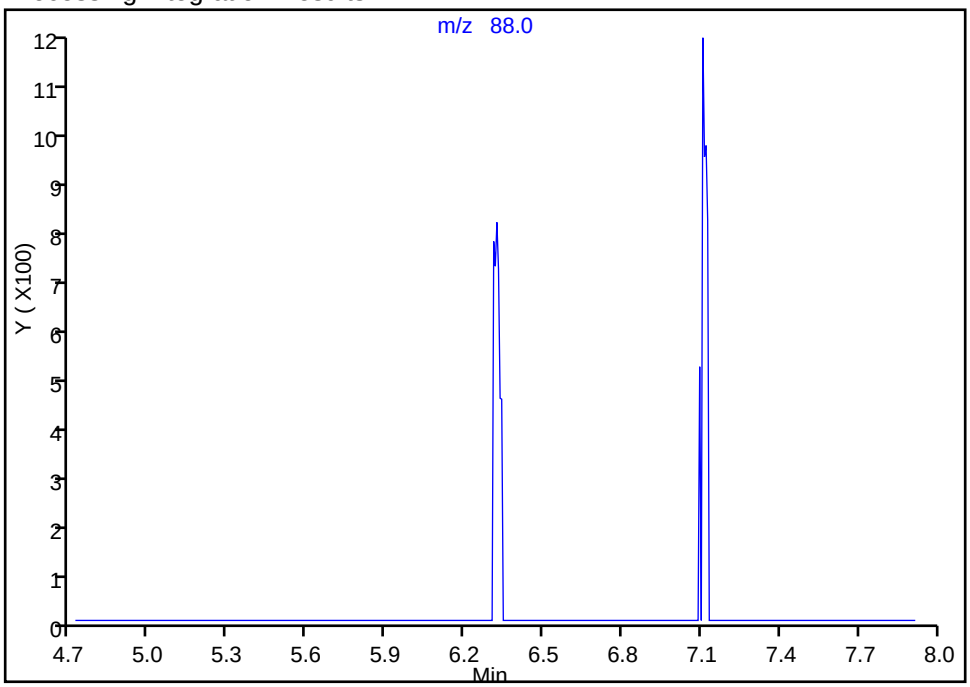
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5256.D
Injection Date: 04-Dec-2015 13:24:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 53 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

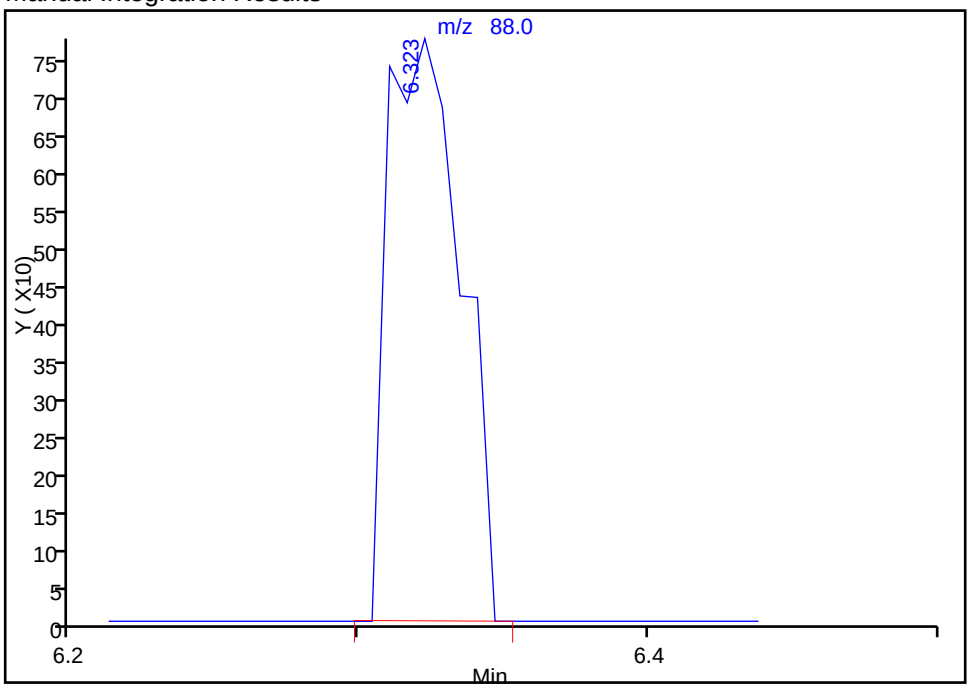
Not Detected
Expected RT: 6.32

Processing Integration Results



Manual Integration Results

RT: 6.32
Area: 1362
Amount: 39.334041
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 14:53:07
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5257.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Dec-2015 13:51:30 ALS Bottle#: 54 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 3
Misc. Info.: 480-0048944-006
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:51 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 16:09:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	118313	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	422566	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.971	10.971	0.000	96	206352	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	4.996	0.000	95	121890	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	178349	25.0	26.0	
$ 6 Toluene-d8 (Surr)	98	7.114	7.114	0.000	93	453724	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	136424	25.0	25.1	
11 Dichlorodifluoromethane	85	1.371	1.371	0.000	95	27759	5.00	4.40	
13 Chloromethane	50	1.541	1.541	0.000	99	39165	5.00	4.80	
14 Vinyl chloride	62	1.644	1.644	0.000	97	33811	5.00	4.60	
144 Butadiene	54	1.681	1.681	0.000	93	34507	5.00	4.53	
15 Bromomethane	94	1.979	1.979	0.000	92	19404	5.00	5.04	
16 Chloroethane	64	2.082	2.082	0.000	98	20808	5.00	4.66	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	96	45067	5.00	4.27	
18 Trichlorofluoromethane	101	2.314	2.314	0.000	95	37450	5.00	4.32	
19 Ethyl ether	59	2.600	2.600	0.000	98	31256	5.00	4.39	
20 Acrolein	56	2.764	2.764	0.000	98	38171	25.0	23.4	
22 1,1-Dichloroethene	96	2.819	2.819	0.000	98	25361	5.00	4.53	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.837	0.000	79	22488	5.00	4.60	
23 Acetone	43	2.922	2.922	0.000	97	59800	25.0	24.2	
24 Iodomethane	142	3.001	3.001	0.000	98	42503	5.00	4.55	
25 Carbon disulfide	76	3.031	3.031	0.000	99	79884	5.00	4.61	
27 3-Chloro-1-propene	41	3.190	3.190	0.000	87	62119	5.00	4.87	
28 Methyl acetate	43	3.232	3.232	0.000	99	167667	25.0	23.1	
30 Methylene Chloride	84	3.323	3.323	0.000	95	29896	5.00	4.66	
31 2-Methyl-2-propanol	59	3.488	3.488	0.000	95	32627	50.0	47.2	
32 Methyl tert-butyl ether	73	3.561	3.561	0.000	99	97634	5.00	4.65	
33 trans-1,2-Dichloroethene	96	3.573	3.573	0.000	93	29074	5.00	4.59	
34 Acrylonitrile	53	3.597	3.597	0.000	97	153791	50.0	48.6	
35 Hexane	57	3.786	3.786	0.000	94	50871	5.00	4.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.981	3.981	0.000	97	57688	5.00	4.68	
39 Vinyl acetate	43	4.035	4.035	0.000	97	164364	10.0	9.50	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	88	29901	5.00	4.68	
43 cis-1,2-Dichloroethene	96	4.540	4.540	0.000	86	29509	5.00	4.51	
44 2-Butanone (MEK)	43	4.565	4.565	0.000	99	97181	25.0	22.9	
47 Chlorobromomethane	128	4.765	4.765	0.000	96	16126	5.00	4.80	
49 Tetrahydrofuran	42	4.802	4.802	0.000	92	29073	10.0	9.55	
50 Chloroform	83	4.844	4.844	0.000	95	51387	5.00	4.84	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	97	39896	5.00	4.72	
52 Cyclohexane	56	5.003	5.003	0.000	75	54219	5.00	4.84	
53 Carbon tetrachloride	117	5.118	5.118	0.000	95	37613	5.00	4.59	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	89	38952	5.00	4.65	
56 Isobutyl alcohol	43	5.319	5.319	0.000	47	49148	125.0	113.6	M
55 Benzene	78	5.331	5.331	0.000	97	113436	5.00	4.78	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	48483	5.00	4.64	
59 n-Heptane	43	5.532	5.532	0.000	95	57817	5.00	4.79	
60 Trichloroethene	95	5.946	5.946	0.000	93	29613	5.00	4.61	
62 Methylcyclohexane	83	6.079	6.079	0.000	97	47958	5.00	4.75	
63 1,2-Dichloropropane	63	6.171	6.171	0.000	88	29739	5.00	4.72	
64 Dibromomethane	93	6.311	6.311	0.000	95	17076	5.00	4.62	
66 1,4-Dioxane	88	6.311	6.311	0.000	0	3999	100.0	85.0	M
67 Dichlorobromomethane	83	6.450	6.450	0.000	95	32901	5.00	4.48	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	91	18585	5.00	4.47	
71 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	88	40566	5.00	4.54	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	99	70434	25.0	22.7	
73 Toluene	92	7.180	7.180	0.000	97	70635	5.00	4.69	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	36011	5.00	4.53	
77 Ethyl methacrylate	69	7.497	7.497	0.000	95	35301	5.00	4.59	
78 1,1,2-Trichloroethane	83	7.631	7.631	0.000	93	19126	5.00	4.69	
79 Tetrachloroethene	166	7.722	7.722	0.000	95	31573	5.00	4.52	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	97	43623	5.00	4.69	
82 2-Hexanone	43	7.862	7.862	0.000	98	142894	25.0	25.2	
83 Chlorodibromomethane	129	8.032	8.032	0.000	90	22752	5.00	4.33	
84 Ethylene Dibromide	107	8.148	8.148	0.000	98	24657	5.00	4.58	
85 Chlorobenzene	112	8.628	8.628	0.000	94	78055	5.00	4.74	
89 1,1,1,2-Tetrachloroethane	131	8.720	8.720	0.000	94	27336	5.00	4.70	
88 Ethylbenzene	91	8.726	8.726	0.000	99	132573	5.00	4.84	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	52974	5.00	4.82	
91 o-Xylene	106	9.273	9.273	0.000	97	53264	5.00	4.91	
92 Styrene	104	9.298	9.298	0.000	96	85083	5.00	4.95	
93 Bromoform	173	9.535	9.535	0.000	95	12072	5.00	4.27	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	135804	5.00	4.96	
97 Bromobenzene	156	9.991	9.991	0.000	95	32050	5.00	4.45	
98 1,1,2,2-Tetrachloroethane	83	10.028	10.028	0.000	94	29536	5.00	4.65	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	91	11305	5.00	4.79	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	62	10733	5.00	4.26	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	148736	5.00	4.91	
102 2-Chlorotoluene	126	10.180	10.180	0.000	96	31229	5.00	4.57	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.000	94	109038	5.00	4.86	
105 4-Chlorotoluene	91	10.283	10.283	0.000	96	104995	5.00	4.85	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	25537	5.00	4.77	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	98	110183	5.00	4.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	139531	5.00	4.86	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	97	61155	5.00	4.73	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	120710	5.00	4.79	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	96	62866	5.00	4.57	
115 n-Butylbenzene	91	11.299	11.299	0.000	98	96223	5.00	4.77	
116 1,2-Dichlorobenzene	146	11.342	11.342	0.000	97	57535	5.00	4.68	
117 1,2-Dibromo-3-Chloropropan	75	12.053	12.053	0.000	74	4888	5.00	4.46	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	33101	5.00	4.57	
120 Hexachlorobutadiene	225	12.863	12.863	0.000	97	18068	5.00	4.85	
121 Naphthalene	128	12.954	12.954	0.000	97	86056	5.00	4.42	
122 1,2,3-Trichlorobenzene	180	13.161	13.161	0.000	96	30044	5.00	4.44	
S 123 1,3-Dichloropropene, Total	1				0			9.07	
S 124 1,2-Dichloroethene, Total	1				0			9.11	
S 125 Total BTEX	1				0			24.0	
S 126 Xylenes, Total	1				0			9.73	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	5.00	Units: uL	
GAS CORP mix_00124	Amount Added:	5.00	Units: uL	
N_8260_Surr_00162	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added:	1.00	Units: uL	Run Reagent

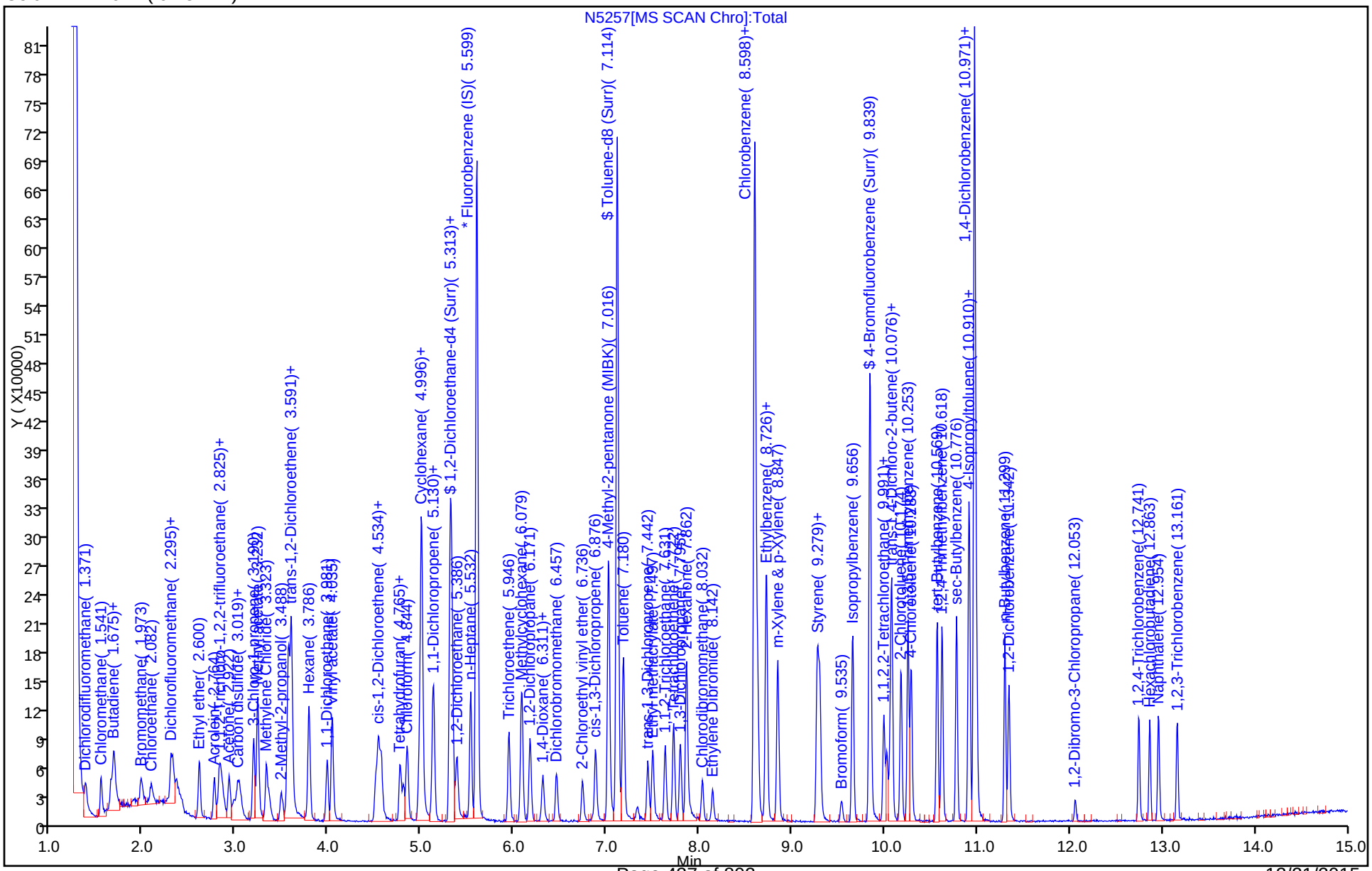
Report Date: 04-Dec-2015 23:07:52 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5257.D

Injection Date:	04-Dec-2015 13:51:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	54
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

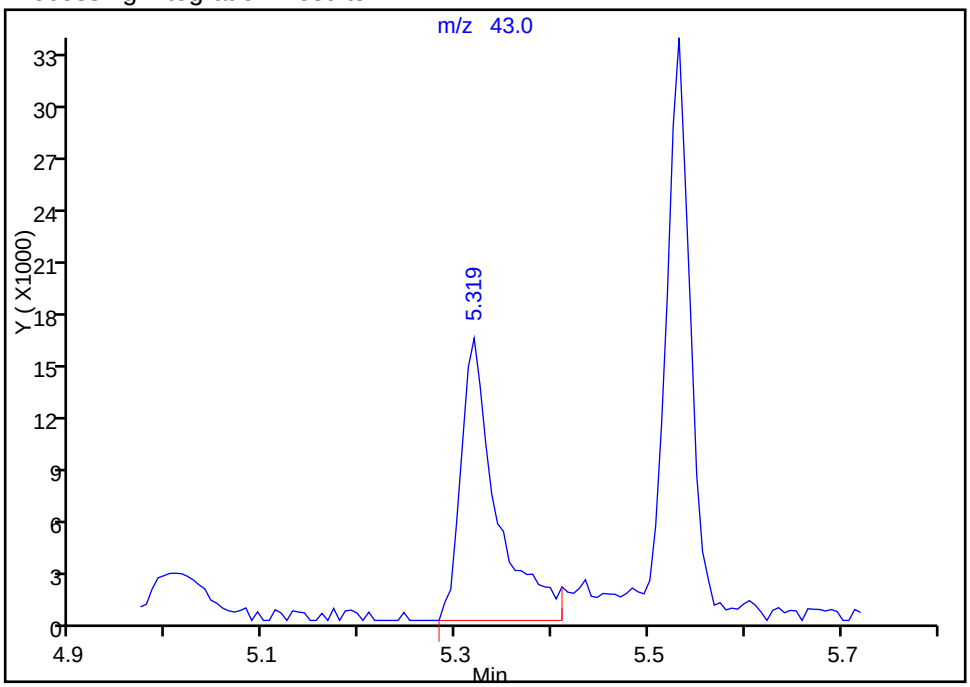
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5257.D
Injection Date: 04-Dec-2015 13:51:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 54 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

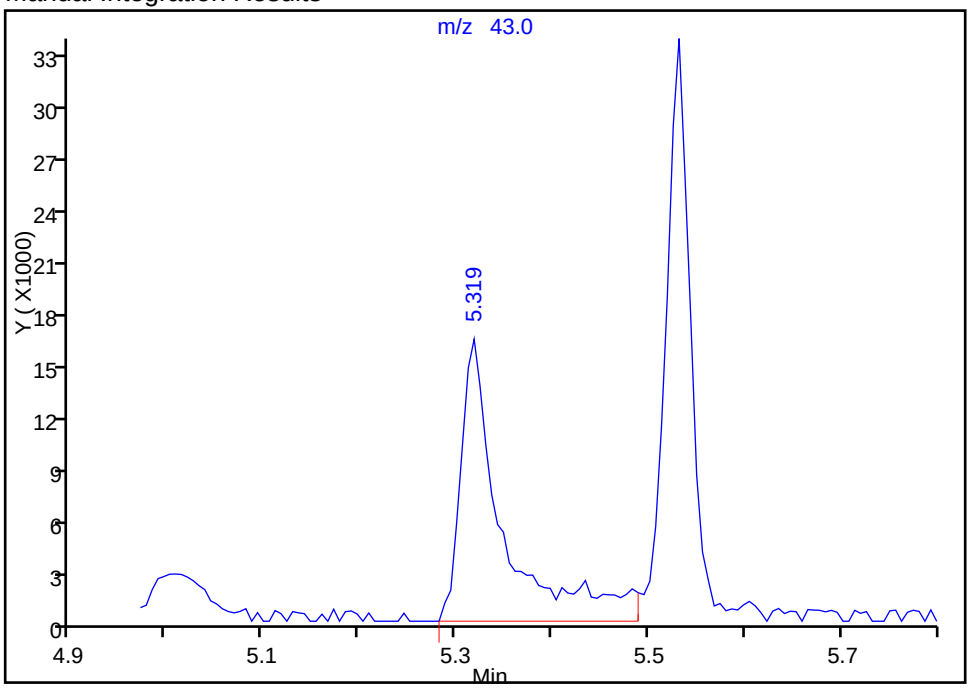
Processing Integration Results

RT: 5.32
Area: 41545
Amount: 96.804359
Amount Units: ug/L



Manual Integration Results

RT: 5.32
Area: 49148
Amount: 113.6390
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:09:23
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

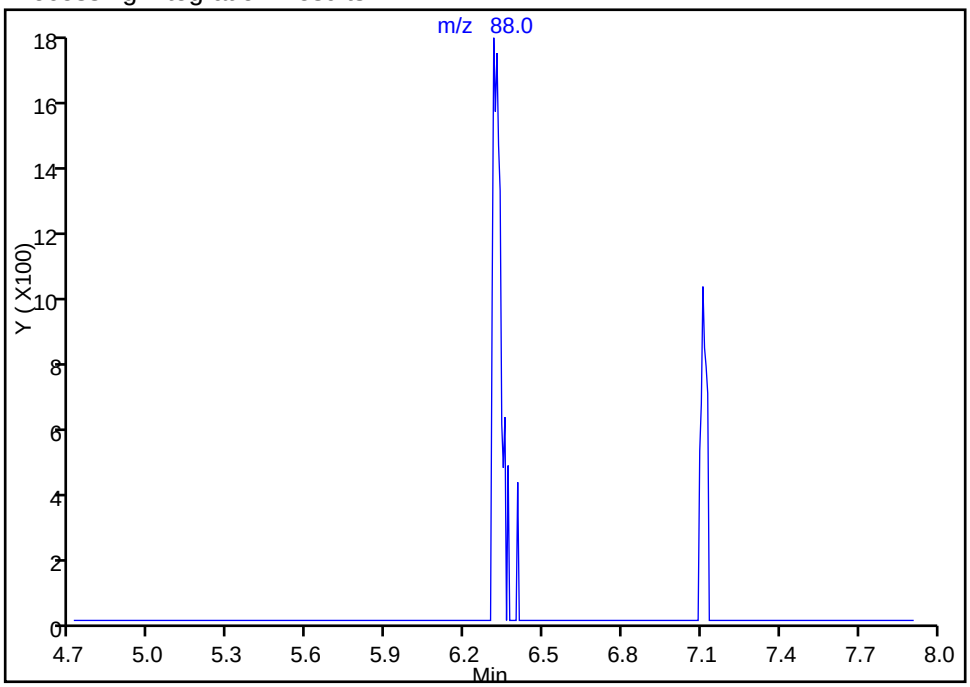
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5257.D
Injection Date: 04-Dec-2015 13:51:30 Instrument ID: HP5973N
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 54 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

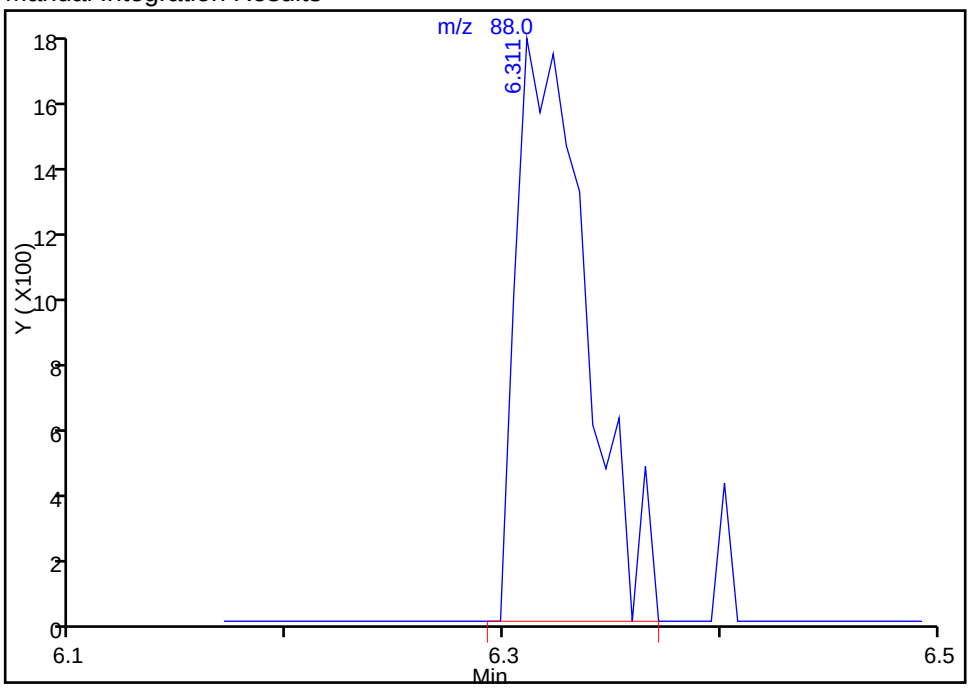
Not Detected
Expected RT: 6.31

Processing Integration Results



Manual Integration Results

RT: 6.31
Area: 3999
Amount: 84.951476
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:09:23
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5258.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Dec-2015 14:18:30 ALS Bottle#: 55 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 4
Misc. Info.: 480-0048944-007
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:53 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 16:10:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	97	114517	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	413764	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.971	-0.001	96	206181	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	4.996	0.006	93	118027	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.307	0.006	0	161233	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	7.113	7.114	-0.001	93	437825	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	90	130299	25.0	24.4	
11 Dichlorodifluoromethane	85	1.377	1.371	0.006	98	62080	10.0	10.2	
13 Chloromethane	50	1.541	1.541	0.000	98	74541	10.0	9.45	
14 Vinyl chloride	62	1.650	1.644	0.006	98	71024	10.0	10.0	
144 Butadiene	54	1.681	1.681	0.000	93	74642	10.0	10.1	
15 Bromomethane	94	1.973	1.979	-0.006	88	35841	10.0	9.62	
16 Chloroethane	64	2.082	2.082	0.000	99	42065	10.0	9.74	
17 Dichlorofluoromethane	67	2.307	2.301	0.006	98	99199	10.0	10.6	
18 Trichlorofluoromethane	101	2.320	2.314	0.006	87	82789	10.0	9.87	
19 Ethyl ether	59	2.605	2.600	0.005	95	63617	10.0	9.24	
20 Acrolein	56	2.764	2.764	0.000	98	81718	50.0	51.7	
22 1,1-Dichloroethene	96	2.824	2.819	0.005	93	47543	10.0	8.77	
21 1,1,2-Trichloro-1,2,2-trif	101	2.843	2.837	0.006	91	40129	10.0	8.49	
23 Acetone	43	2.922	2.922	0.000	97	126546	50.0	59.4	
24 Iodomethane	142	3.001	3.001	0.000	94	83498	10.0	9.23	
25 Carbon disulfide	76	3.031	3.031	0.000	99	142422	10.0	8.48	
27 3-Chloro-1-propene	41	3.190	3.190	0.000	86	110163	10.0	8.92	
28 Methyl acetate	43	3.232	3.232	0.000	99	341148	50.0	48.6	
30 Methylene Chloride	84	3.329	3.323	0.006	96	56378	10.0	9.90	
31 2-Methyl-2-propanol	59	3.488	3.488	0.000	95	69656	100.0	104.2	
32 Methyl tert-butyl ether	73	3.561	3.561	0.000	99	196428	10.0	9.66	
33 trans-1,2-Dichloroethene	96	3.567	3.573	-0.006	93	49417	10.0	8.07	
34 Acrylonitrile	53	3.597	3.597	0.000	97	315886	100.0	106.2	
35 Hexane	57	3.786	3.786	0.000	95	84467	10.0	8.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.986	3.981	0.006	97	107705	10.0	9.02	
39 Vinyl acetate	43	4.035	4.035	0.000	98	333101	20.0	19.9	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	89	50579	10.0	8.19	
43 cis-1,2-Dichloroethene	96	4.540	4.540	0.000	87	59094	10.0	9.75	
44 2-Butanone (MEK)	43	4.564	4.565	-0.001	98	206064	50.0	50.1	
47 Chlorobromomethane	128	4.771	4.765	0.006	95	29978	10.0	9.21	
49 Tetrahydrofuran	42	4.802	4.802	0.000	91	59633	20.0	20.2	
50 Chloroform	83	4.850	4.844	0.006	96	93358	10.0	9.50	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	97	70168	10.0	8.58	
52 Cyclohexane	56	5.002	5.003	-0.001	72	87299	10.0	8.06	
53 Carbon tetrachloride	117	5.124	5.118	0.006	96	66056	10.0	8.32	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	93	70276	10.0	8.66	
56 Isobutyl alcohol	43	5.313	5.319	-0.006	88	100451	250.0	257.4	M
55 Benzene	78	5.331	5.331	0.000	98	207670	10.0	9.03	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	96553	10.0	9.56	
59 n-Heptane	43	5.532	5.532	0.000	97	93650	10.0	8.01	
60 Trichloroethene	95	5.945	5.946	-0.001	94	51712	10.0	8.32	
62 Methylcyclohexane	83	6.085	6.079	0.006	97	81589	10.0	8.35	
63 1,2-Dichloropropane	63	6.170	6.171	-0.001	87	53989	10.0	8.85	
64 Dibromomethane	93	6.304	6.311	-0.006	93	34410	10.0	9.62	
66 1,4-Dioxane	88	6.316	6.311	0.006	38	11657	200.0	222.1	
67 Dichlorobromomethane	83	6.456	6.450	0.006	96	61378	10.0	8.64	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	91	36245	10.0	9.00	
71 cis-1,3-Dichloropropene	75	6.882	6.876	0.006	90	79911	10.0	9.24	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	99	151064	50.0	49.7	
73 Toluene	92	7.180	7.180	0.000	98	133493	10.0	9.05	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	75142	10.0	9.65	
77 Ethyl methacrylate	69	7.497	7.497	0.000	92	75258	10.0	10.0	
78 1,1,2-Trichloroethane	83	7.631	7.631	0.000	96	37512	10.0	9.39	
79 Tetrachloroethene	166	7.728	7.722	0.006	93	55956	10.0	8.18	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	98	85834	10.0	9.43	
82 2-Hexanone	43	7.862	7.862	0.000	99	284031	50.0	51.2	
83 Chlorodibromomethane	129	8.032	8.032	0.000	91	47171	10.0	9.17	
84 Ethylene Dibromide	107	8.142	8.148	-0.006	97	52315	10.0	9.92	
85 Chlorobenzene	112	8.628	8.628	0.000	95	146898	10.0	9.11	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.720	-0.001	91	53320	10.0	9.37	
88 Ethylbenzene	91	8.726	8.726	0.000	98	242210	10.0	9.04	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	97692	10.0	9.08	
91 o-Xylene	106	9.273	9.273	0.000	97	98741	10.0	9.29	
92 Styrene	104	9.297	9.298	-0.001	96	159075	10.0	9.45	
93 Bromoform	173	9.535	9.535	0.000	95	26023	10.0	9.41	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	240768	10.0	8.81	
97 Bromobenzene	156	9.991	9.991	0.000	93	62471	10.0	8.69	
98 1,1,2,2-Tetrachloroethane	83	10.021	10.028	-0.007	96	62770	10.0	9.88	
99 1,2,3-Trichloropropane	110	10.064	10.064	0.000	91	23165	10.0	9.83	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	62	23542	10.0	9.36	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	267249	10.0	8.83	
102 2-Chlorotoluene	126	10.173	10.180	-0.007	96	59504	10.0	8.72	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.000	96	202585	10.0	9.05	
105 4-Chlorotoluene	91	10.283	10.283	0.000	97	199856	10.0	9.24	M
106 tert-Butylbenzene	134	10.563	10.569	-0.006	94	48686	10.0	9.11	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	98	207948	10.0	8.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	249647	10.0	8.70	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	98	118189	10.0	9.15	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	220857	10.0	8.78	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	95	125825	10.0	9.16	
115 n-Butylbenzene	91	11.299	11.299	0.000	98	178964	10.0	8.88	
116 1,2-Dichlorobenzene	146	11.342	11.342	0.000	97	117735	10.0	9.59	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.053	0.006	77	10236	10.0	9.34	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	66436	10.0	9.17	
120 Hexachlorobutadiene	225	12.862	12.863	-0.001	96	34074	10.0	9.16	
121 Naphthalene	128	12.960	12.954	0.006	97	181468	10.0	9.32	
122 1,2,3-Trichlorobenzene	180	13.160	13.161	-0.001	95	58958	10.0	8.71	
S 123 1,3-Dichloropropene, Total	1				0			18.9	
S 124 1,2-Dichloroethene, Total	1				0			17.8	
S 125 Total BTEX	1				0			45.5	
S 126 Xylenes, Total	1				0			18.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	5.00	Units: uL	
GAS CORP mix_00124	Amount Added:	5.00	Units: uL	
N_8260_Surr_00162	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added:	1.00	Units: uL	Run Reagent

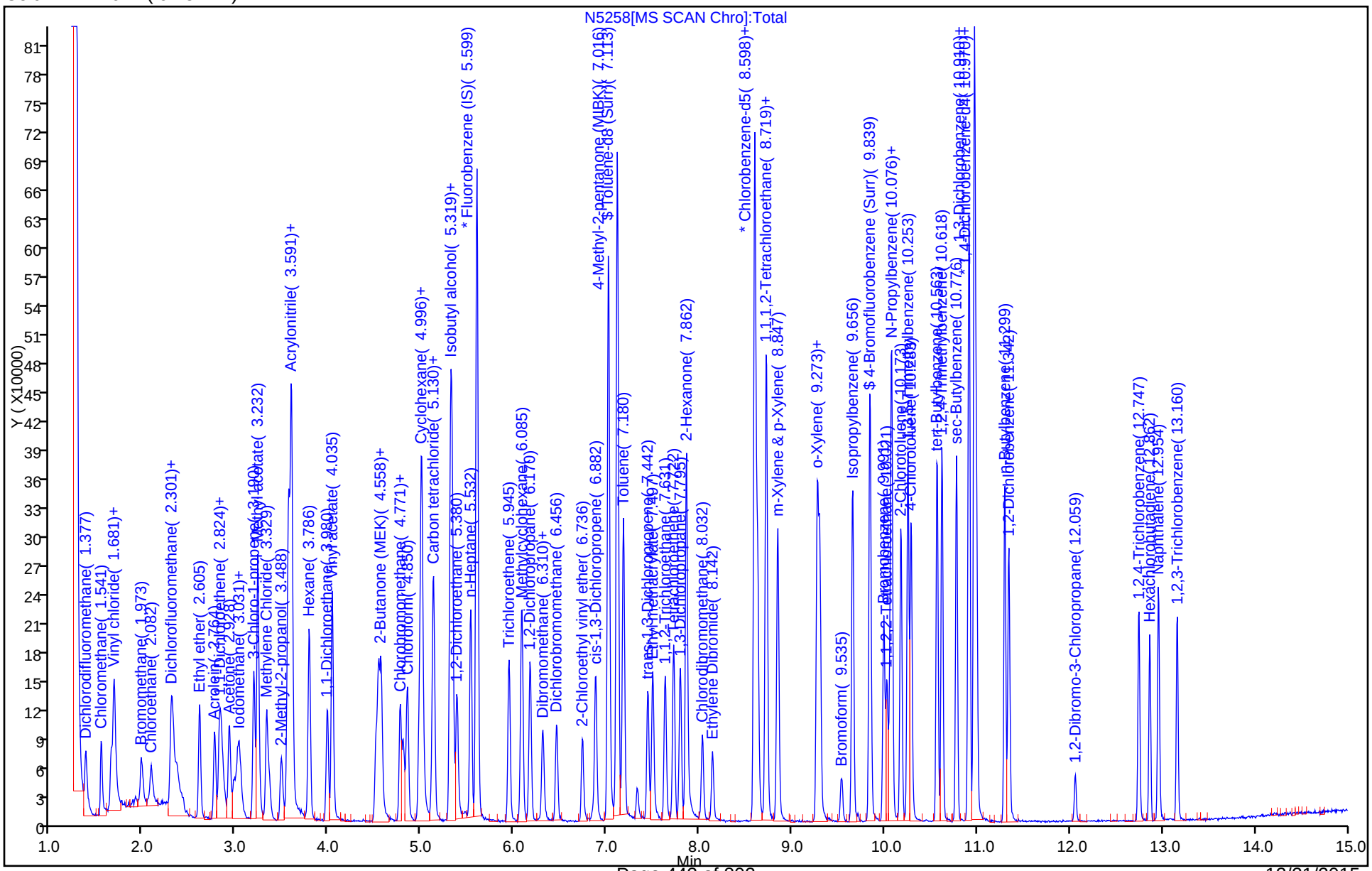
Report Date: 04-Dec-2015 23:07:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5258.D

Injection Date:	04-Dec-2015 14:18:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	55
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

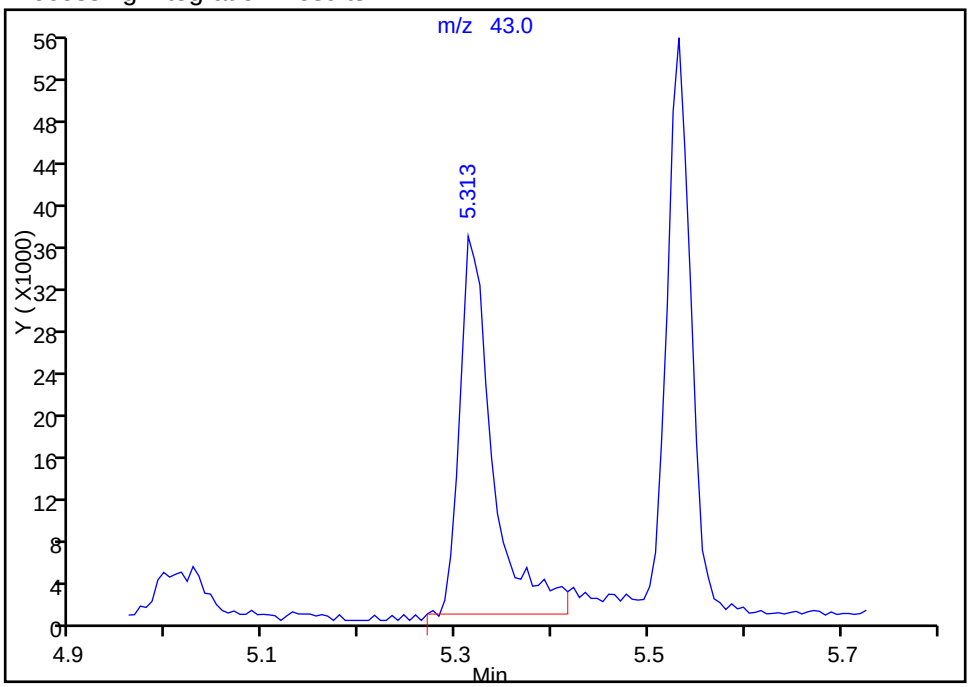
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5258.D
Injection Date: 04-Dec-2015 14:18:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 55 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

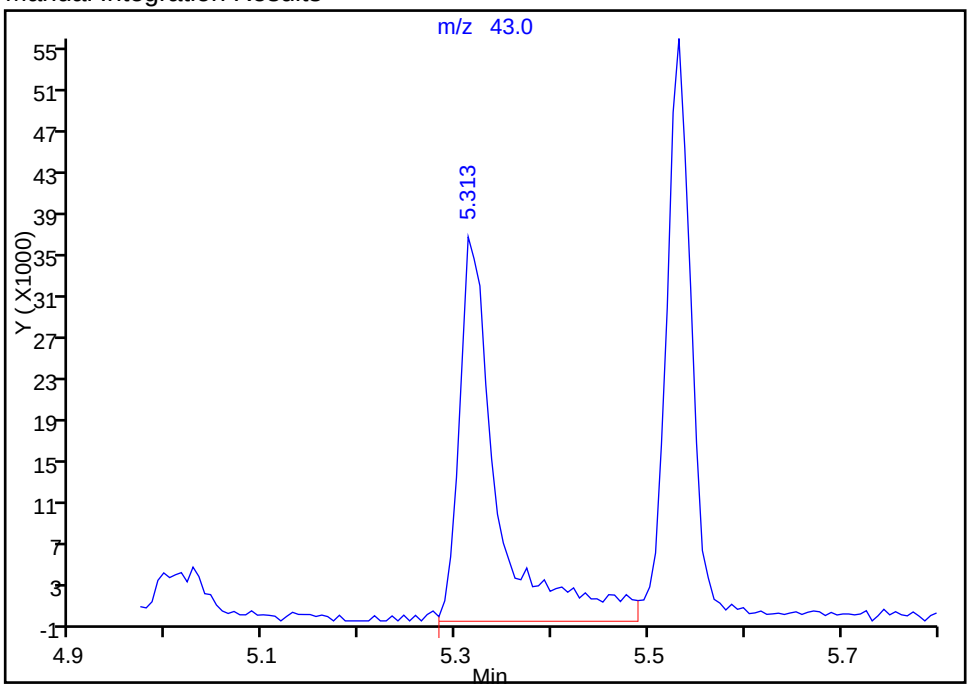
Processing Integration Results

RT: 5.31
Area: 85139
Amount: 216.0955
Amount Units: ug/L



Manual Integration Results

RT: 5.31
Area: 100451
Amount: 257.3547
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:10:50
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

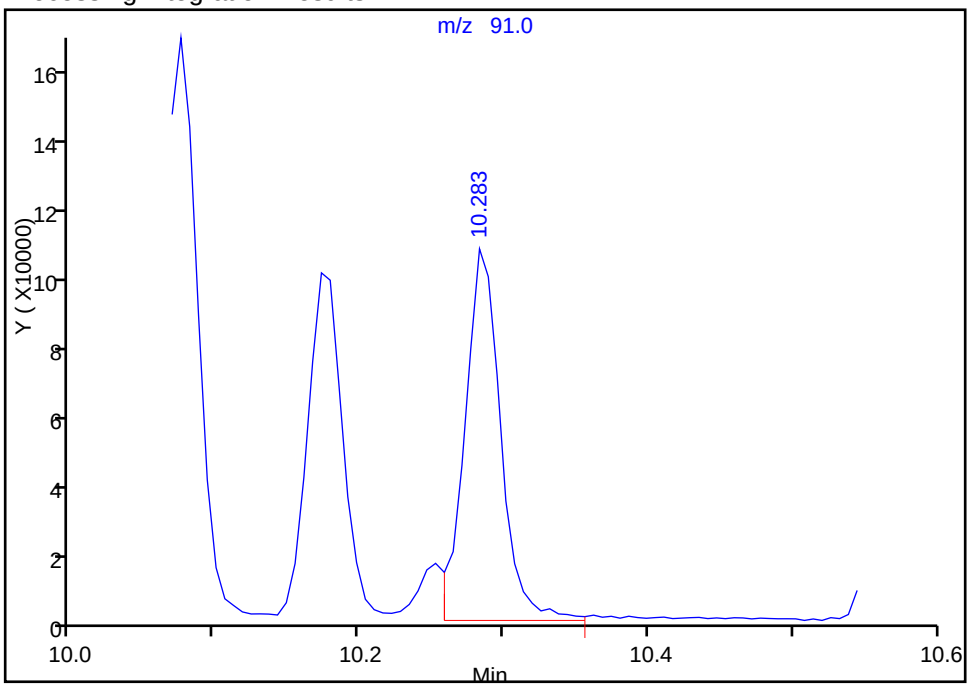
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5258.D
Injection Date: 04-Dec-2015 14:18:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 55 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

105 4-Chlorotoluene, CAS: 106-43-4

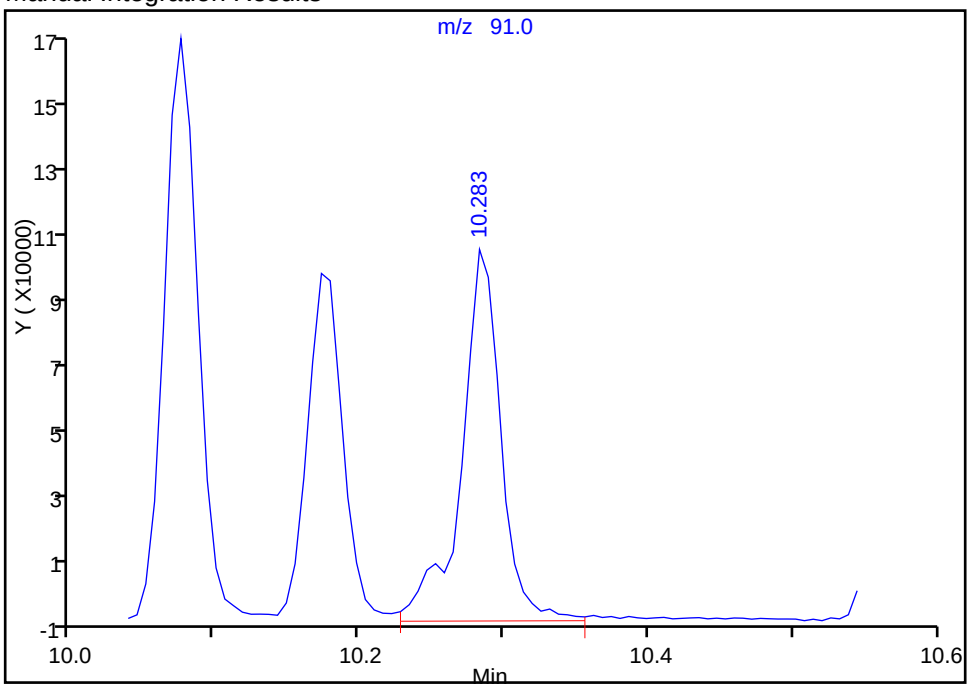
Processing Integration Results

RT: 10.28
Area: 182467
Amount: 8.811457
Amount Units: ug/L



Manual Integration Results

RT: 10.28
Area: 199856
Amount: 9.235670
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:11:23
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5259.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 04-Dec-2015 14:45:30 ALS Bottle#: 56 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icis 5
Misc. Info.: 480-0048944-008
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:54 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 16:00:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	120213	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	444287	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	221935	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	4.996	0.000	74	122176	25.0	24.8	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	174907	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	474036	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	89	142269	25.0	24.8	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	98	153769	25.0	24.0	
13 Chloromethane	50	1.541	1.541	0.000	99	198783	25.0	24.0	
14 Vinyl chloride	62	1.650	1.650	0.000	98	176650	25.0	23.7	
144 Butadiene	54	1.681	1.681	0.000	93	189474	25.0	24.5	
15 Bromomethane	94	1.979	1.979	0.000	91	89709	25.0	22.9	
16 Chloroethane	64	2.082	2.082	0.000	98	108118	25.0	23.9	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	96	241460	25.0	25.5	
18 Trichlorofluoromethane	101	2.307	2.307	0.000	66	218126	25.0	24.8	
19 Ethyl ether	59	2.599	2.599	0.000	97	169780	25.0	23.5	
20 Acrolein	56	2.764	2.764	0.000	99	205060	125.0	123.5	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	94	133784	25.0	23.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.831	2.831	0.000	54	121827	25.0	24.5	
23 Acetone	43	2.922	2.922	0.000	98	306933	125.0	144.6	
24 Iodomethane	142	3.001	3.001	0.000	99	225668	25.0	23.8	
25 Carbon disulfide	76	3.031	3.031	0.000	100	406066	25.0	23.0	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	87	298927	25.0	23.1	
28 Methyl acetate	43	3.226	3.226	0.000	99	887515	125.0	120.4	
30 Methylene Chloride	84	3.329	3.329	0.000	96	142970	25.0	25.1	
31 2-Methyl-2-propanol	59	3.481	3.481	0.000	96	175417	250.0	250.0	
32 Methyl tert-butyl ether	73	3.554	3.554	0.000	99	513284	25.0	24.0	
33 trans-1,2-Dichloroethene	96	3.567	3.567	0.000	93	141974	25.0	22.1	
34 Acrylonitrile	53	3.591	3.591	0.000	96	819424	250.0	266.4	
35 Hexane	57	3.786	3.786	0.000	96	249193	25.0	22.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	298977	25.0	23.9	
39 Vinyl acetate	43	4.035	4.035	0.000	97	897565	50.0	51.0	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	90	142029	25.0	21.9	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	84	158196	25.0	25.5	
44 2-Butanone (MEK)	43	4.558	4.558	0.000	98	525863	125.0	121.7	
47 Chlorobromomethane	128	4.771	4.771	0.000	95	85382	25.0	25.0	
49 Tetrahydrofuran	42	4.802	4.802	0.000	91	154463	50.0	49.9	
50 Chloroform	83	4.844	4.844	0.000	96	254993	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	204008	25.0	23.8	
52 Cyclohexane	56	5.002	5.002	0.000	96	254907	25.0	22.4	
53 Carbon tetrachloride	117	5.124	5.124	0.000	96	192045	25.0	23.0	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	90	201332	25.0	23.6	
56 Isobutyl alcohol	43	5.313	5.313	0.000	92	264118	625.0	668.2	
55 Benzene	78	5.331	5.331	0.000	98	562792	25.0	23.3	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	256369	25.0	24.2	
59 n-Heptane	43	5.532	5.532	0.000	97	273899	25.0	22.3	
60 Trichloroethene	95	5.945	5.945	0.000	94	149956	25.0	23.0	
62 Methylcyclohexane	83	6.079	6.079	0.000	97	231107	25.0	22.5	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	88	152673	25.0	23.8	
64 Dibromomethane	93	6.304	6.304	0.000	94	94384	25.0	25.1	
66 1,4-Dioxane	88	6.316	6.316	0.000	38	32023	500.0	544.0	M
67 Dichlorobromomethane	83	6.456	6.456	0.000	97	182891	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	110542	25.0	26.1	
71 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	90	232250	25.0	25.6	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	98	396076	125.0	121.5	
73 Toluene	92	7.180	7.180	0.000	98	365975	25.0	23.1	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	99	212942	25.0	25.5	
77 Ethyl methacrylate	69	7.491	7.491	0.000	94	200094	25.0	24.8	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	94	101585	25.0	23.7	
79 Tetrachloroethene	166	7.722	7.722	0.000	96	161235	25.0	21.9	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	97	228329	25.0	23.4	
82 2-Hexanone	43	7.856	7.856	0.000	98	756963	125.0	127.0	
83 Chlorodibromomethane	129	8.032	8.032	0.000	90	139058	25.0	25.2	
84 Ethylene Dibromide	107	8.142	8.142	0.000	99	142686	25.0	25.2	
85 Chlorobenzene	112	8.628	8.628	0.000	93	403644	25.0	23.3	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.719	0.000	93	149934	25.0	24.5	
88 Ethylbenzene	91	8.726	8.726	0.000	99	657712	25.0	22.9	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	274439	25.0	23.8	
91 o-Xylene	106	9.273	9.273	0.000	97	271275	25.0	23.8	
92 Styrene	104	9.297	9.297	0.000	95	434995	25.0	24.1	
93 Bromoform	173	9.535	9.535	0.000	96	76320	25.0	25.7	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	683916	25.0	23.2	
97 Bromobenzene	156	9.991	9.991	0.000	96	174060	25.0	22.5	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	96	166001	25.0	24.3	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	91	58383	25.0	23.0	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	63	67532	25.0	24.9	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	757951	25.0	23.3	
102 2-Chlorotoluene	126	10.173	10.173	0.000	96	165916	25.0	22.6	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.000	96	574266	25.0	23.8	
105 4-Chlorotoluene	91	10.283	10.283	0.000	98	546089	25.0	23.4	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	134590	25.0	23.4	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	97	574778	25.0	22.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	694220	25.0	22.5	
110 1,3-Dichlorobenzene	146	10.903	10.903	0.000	98	319784	25.0	23.0	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	629265	25.0	23.2	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	94	332499	25.0	22.5	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	503244	25.0	23.2	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	305313	25.0	23.1	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	80	31484	25.0	26.7	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	183517	25.0	23.5	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	96	92401	25.0	23.1	
121 Naphthalene	128	12.954	12.954	0.000	98	502296	25.0	24.0	
122 1,2,3-Trichlorobenzene	180	13.154	13.154	0.000	95	162639	25.0	22.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	12.50	Units: uL	
GAS CORP mix_00124	Amount Added:	12.50	Units: uL	
N_8260_Surr_00162	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added:	1.00	Units: uL	Run Reagent

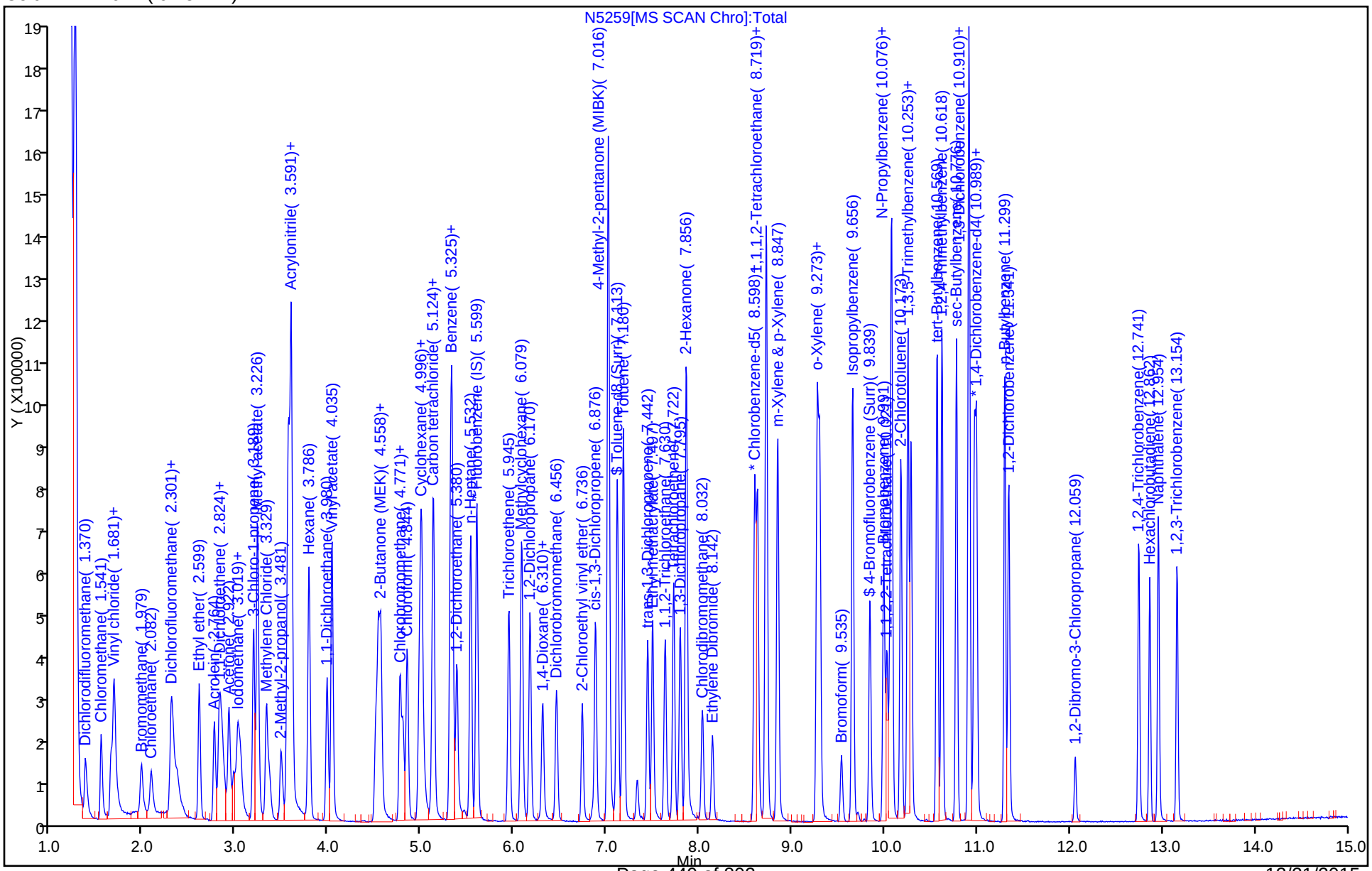
Report Date: 04-Dec-2015 23:07:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5259.D

Injection Date:	04-Dec-2015 14:45:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

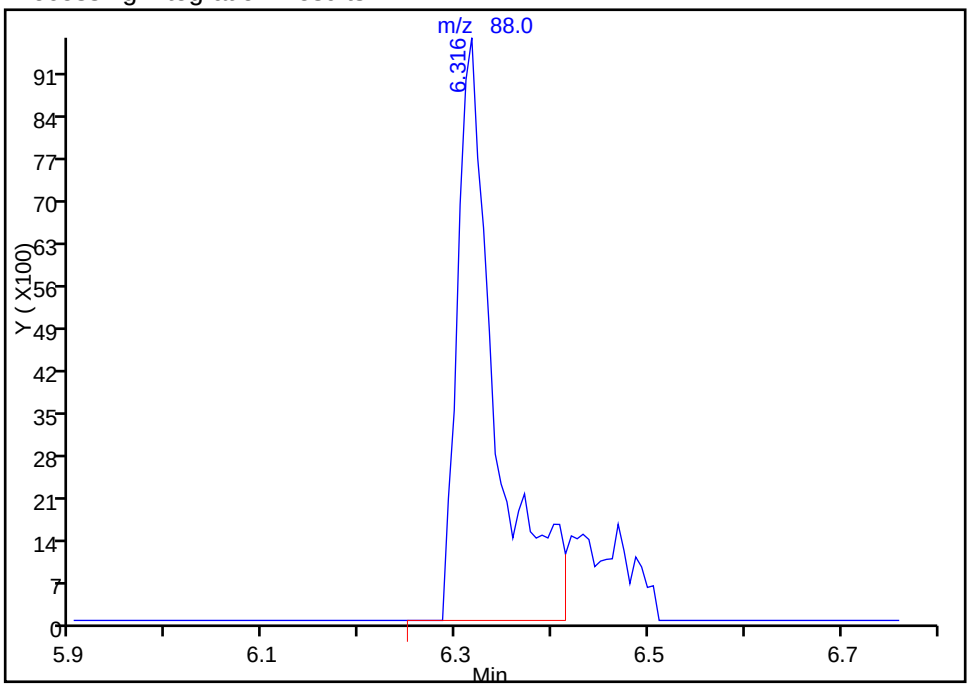
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5259.D
Injection Date: 04-Dec-2015 14:45:30 Instrument ID: HP5973N
Lims ID: ICIS 5
Client ID:
Operator ID: LH ALS Bottle#: 56 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

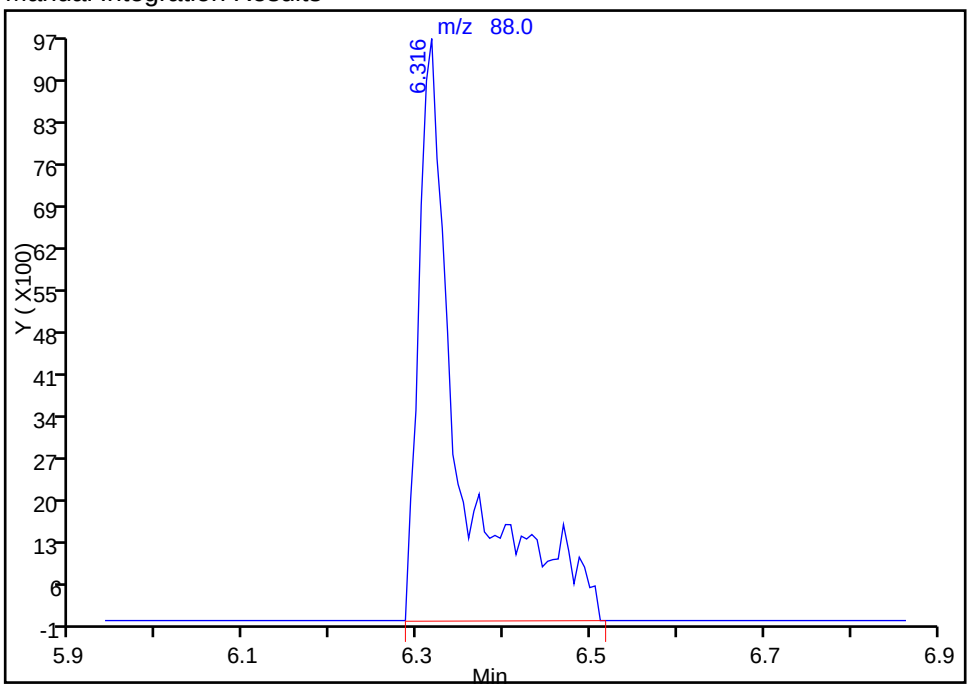
Processing Integration Results

RT: 6.32
Area: 26184
Amount: 445.0303
Amount Units: ug/L



Manual Integration Results

RT: 6.32
Area: 32023
Amount: 543.9561
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:00:24
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5260.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Dec-2015 15:12:30 ALS Bottle#: 57 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 6
Misc. Info.: 480-0048944-009
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:56 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 16:12:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.598	5.599	-0.001	98	127969	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	455525	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	222205	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	4.996	0.000	51	129164	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.306	5.307	-0.001	0	177905	25.0	24.0	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	489548	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	88	146281	25.0	24.9	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	98	310234	50.0	45.5	
13 Chloromethane	50	1.541	1.541	0.000	99	410232	50.0	46.5	
14 Vinyl chloride	62	1.644	1.650	-0.006	98	364220	50.0	45.8	
144 Butadiene	54	1.681	1.681	0.000	94	380900	50.0	46.2	
15 Bromomethane	94	1.973	1.979	-0.006	90	172913	50.0	41.5	
16 Chloroethane	64	2.082	2.082	0.000	99	222240	50.0	46.1	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	98	488651	50.0	49.1	
18 Trichlorofluoromethane	101	2.313	2.307	0.006	98	451438	50.0	48.2	
19 Ethyl ether	59	2.599	2.599	0.000	97	346181	50.0	45.0	
20 Acrolein	56	2.763	2.764	-0.001	99	387064	250.0	219.0	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	94	287559	50.0	47.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.836	2.831	0.005	92	276164	50.0	52.3	
23 Acetone	43	2.916	2.922	-0.006	98	544615	250.0	244.7	
24 Iodomethane	142	2.976	3.001	-0.025	99	495815	50.0	49.0	
25 Carbon disulfide	76	3.025	3.031	-0.006	99	900549	50.0	48.0	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	87	629856	50.0	45.6	
28 Methyl acetate	43	3.226	3.226	0.000	99	1762812	250.0	224.7	
30 Methylene Chloride	84	3.323	3.329	-0.006	96	303916	50.0	51.1	
31 2-Methyl-2-propanol	59	3.481	3.481	0.000	97	278841	500.0	373.3	
32 Methyl tert-butyl ether	73	3.554	3.554	0.000	99	1040638	50.0	45.8	
33 trans-1,2-Dichloroethene	96	3.567	3.567	-0.001	94	306361	50.0	44.8	
34 Acrylonitrile	53	3.591	3.591	0.000	97	1619882	500.0	497.1	
35 Hexane	57	3.786	3.786	0.000	95	564847	50.0	48.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	620907	50.0	46.5	
39 Vinyl acetate	43	4.029	4.035	-0.006	98	1813274	100.0	96.9	
42 2,2-Dichloropropane	77	4.509	4.510	-0.001	92	307319	50.0	44.5	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	85	324050	50.0	49.4	
44 2-Butanone (MEK)	43	4.558	4.558	0.000	99	1042283	250.0	226.6	
47 Chlorobromomethane	128	4.765	4.771	-0.006	94	175589	50.0	48.3	
49 Tetrahydrofuran	42	4.795	4.802	-0.007	90	304868	100.0	92.6	
50 Chloroform	83	4.844	4.844	0.000	96	531462	50.0	50.3	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	441834	50.0	48.3	
52 Cyclohexane	56	4.996	5.002	-0.006	96	570014	50.0	47.1	
53 Carbon tetrachloride	117	5.124	5.124	0.000	97	437616	50.0	49.3	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	91	434173	50.0	47.9	
56 Isobutyl alcohol	43	5.312	5.313	-0.001	93	505502	1250.0	1213.8	
55 Benzene	78	5.331	5.331	0.000	98	1179123	50.0	45.9	
57 1,2-Dichloroethane	62	5.379	5.380	-0.001	98	521540	50.0	46.2	
59 n-Heptane	43	5.532	5.532	0.000	97	629741	50.0	48.2	
60 Trichloroethene	95	5.939	5.945	-0.006	94	315987	50.0	45.5	
62 Methylcyclohexane	83	6.079	6.079	0.000	96	531257	50.0	48.7	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	88	319332	50.0	46.8	
64 Dibromomethane	93	6.304	6.304	0.000	94	196025	50.0	49.1	
66 1,4-Dioxane	88	6.310	6.316	-0.006	34	60409	1000.0	987.7	
67 Dichlorobromomethane	83	6.456	6.456	0.000	97	393483	50.0	49.6	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	232001	50.0	51.5	
71 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	90	494062	50.0	51.1	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	97	802845	250.0	240.2	
73 Toluene	92	7.180	7.180	0.000	98	785551	50.0	48.4	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	445735	50.0	52.0	
77 Ethyl methacrylate	69	7.496	7.491	0.005	93	414807	50.0	50.1	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	95	212864	50.0	48.4	
79 Tetrachloroethene	166	7.722	7.722	0.000	96	343134	50.0	45.5	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	98	474120	50.0	47.3	
82 2-Hexanone	43	7.855	7.856	-0.001	97	1486659	250.0	243.4	
83 Chlorodibromomethane	129	8.032	8.032	0.000	91	304417	50.0	53.7	
84 Ethylene Dibromide	107	8.141	8.142	-0.001	98	285837	50.0	49.3	
85 Chlorobenzene	112	8.628	8.628	0.000	93	830074	50.0	46.7	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.719	0.000	93	317618	50.0	50.7	
88 Ethylbenzene	91	8.719	8.726	-0.007	98	1344695	50.0	45.6	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	567887	50.0	47.9	
91 o-Xylene	106	9.273	9.273	0.000	96	565361	50.0	48.3	
92 Styrene	104	9.297	9.297	0.000	95	909381	50.0	49.1	
93 Bromoform	173	9.534	9.535	-0.001	96	170285	50.0	55.9	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	1392626	50.0	47.3	
97 Bromobenzene	156	9.991	9.991	0.000	93	366764	50.0	47.3	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	96	337646	50.0	49.3	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	91	122130	50.0	48.1	
101 trans-1,4-Dichloro-2-buten	53	10.070	10.076	-0.006	78	140996	50.0	52.0	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	1520224	50.0	46.6	
102 2-Chlorotoluene	126	10.179	10.173	0.006	97	342652	50.0	46.6	
104 1,3,5-Trimethylbenzene	105	10.252	10.253	0.000	95	1160124	50.0	48.1	
105 4-Chlorotoluene	91	10.283	10.283	0.000	98	1085483	50.0	46.5	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	285308	50.0	49.5	
108 1,2,4-Trimethylbenzene	105	10.617	10.618	-0.001	97	1162592	50.0	45.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	1436788	50.0	46.5	
110 1,3-Dichlorobenzene	146	10.903	10.903	0.000	97	654832	50.0	47.0	
111 4-Isopropyltoluene	119	10.915	10.916	-0.001	96	1278368	50.0	47.1	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	94	663521	50.0	44.8	
115 n-Butylbenzene	91	11.299	11.299	0.000	96	1035360	50.0	47.7	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	620919	50.0	47.0	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	82	70181	50.0	59.4	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	389717	50.0	49.9	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	98	194842	50.0	48.6	
121 Naphthalene	128	12.953	12.954	-0.001	98	1058696	50.0	50.5	
122 1,2,3-Trichlorobenzene	180	13.160	13.154	0.006	95	352575	50.0	48.4	
S 123 1,3-Dichloropropene, Total	1				0			103.1	
S 124 1,2-Dichloroethene, Total	1				0			94.1	
S 125 Total BTEX	1				0			236.1	
S 126 Xylenes, Total	1				0			96.3	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00124	Amount Added: 25.00	Units: uL	
N_8260_Surr_00162	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added: 1.00	Units: uL	Run Reagent

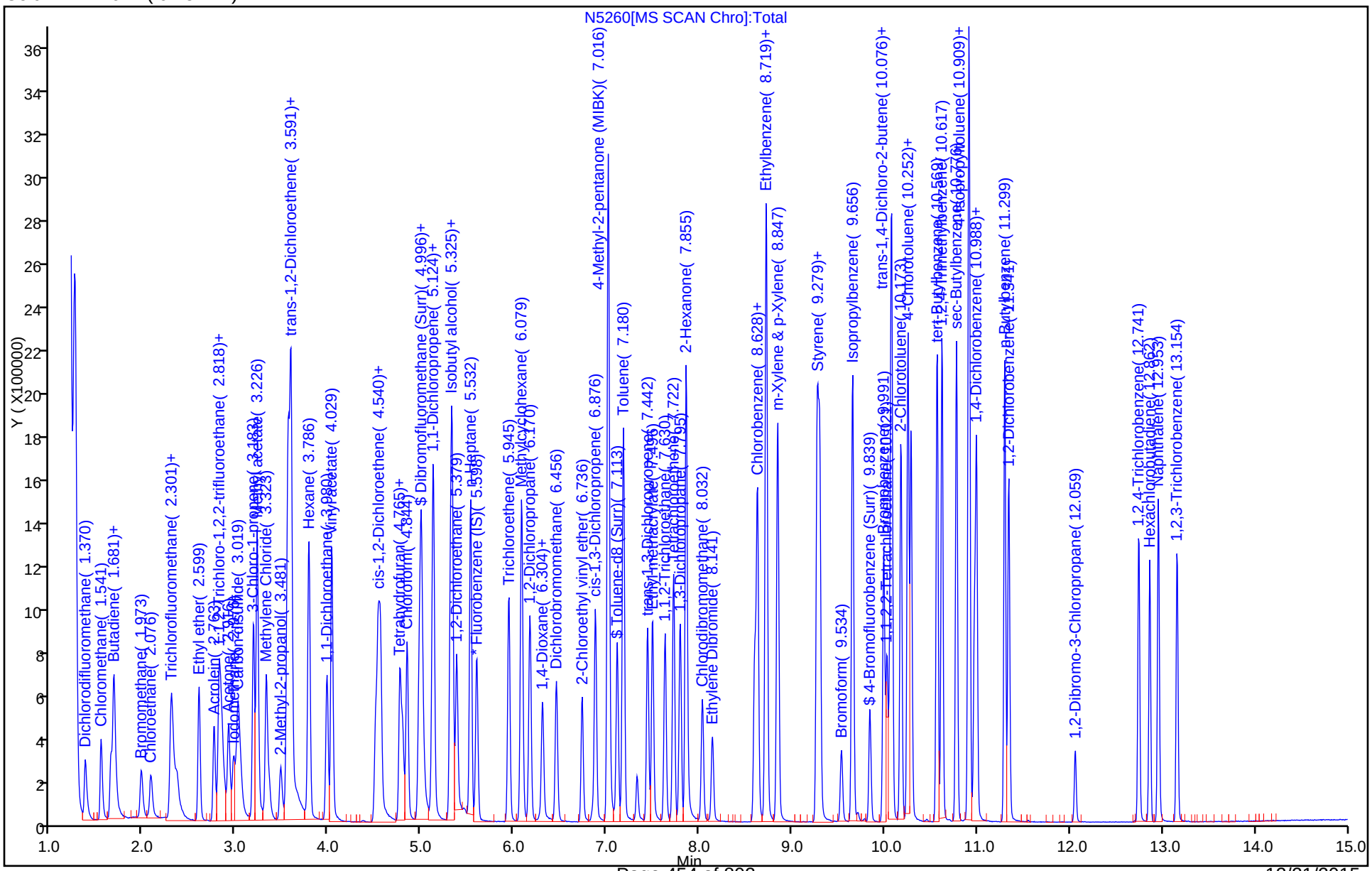
Report Date: 04-Dec-2015 23:07:57 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5260.D

Injection Date:	04-Dec-2015 15:12:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5261.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Dec-2015 15:39:30 ALS Bottle#: 58 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 7
Misc. Info.: 480-0048944-010
Operator ID: LH Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 04-Dec-2015 23:07:57 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: HillL Date: 04-Dec-2015 16:13:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	129060	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	464539	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	96	217454	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	4.996	0.006	91	130269	25.0	24.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	176854	25.0	23.6	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	495972	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.839	9.845	-0.006	89	150735	25.0	25.2	
11 Dichlorodifluoromethane	85	1.371	1.370	0.001	98	640471	100.0	93.1	
13 Chloromethane	50	1.547	1.541	0.006	99	833527	100.0	93.7	
14 Vinyl chloride	62	1.650	1.650	0.000	98	749767	100.0	93.6	
144 Butadiene	54	1.681	1.681	0.000	93	785521	100.0	94.5	
15 Bromomethane	94	1.979	1.979	0.000	91	364842	100.0	86.9	
16 Chloroethane	64	2.082	2.082	0.000	99	451206	100.0	92.7	
17 Dichlorofluoromethane	67	2.301	2.301	0.000	98	1000304	100.0	100.3	
18 Trichlorofluoromethane	101	2.320	2.307	0.013	98	919707	100.0	97.3	
19 Ethyl ether	59	2.599	2.599	0.000	96	684143	100.0	88.2	
20 Acrolein	56	2.764	2.764	0.000	99	735326	500.0	412.5	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	94	591238	100.0	96.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.831	0.006	90	581472	100.0	109.1	
23 Acetone	43	2.916	2.922	-0.006	98	1064142	500.0	479.2	
24 Iodomethane	142	3.001	3.001	0.000	99	978245	100.0	95.9	
25 Carbon disulfide	76	3.031	3.031	0.000	99	1802156	100.0	95.3	
27 3-Chloro-1-propene	41	3.190	3.189	0.001	88	1253200	100.0	90.0	
28 Methyl acetate	43	3.226	3.226	0.000	98	3118999	500.0	394.2	
30 Methylene Chloride	84	3.329	3.329	0.000	96	589902	100.0	99.1	
31 2-Methyl-2-propanol	59	3.482	3.481	0.001	96	590442	1000.0	783.7	
32 Methyl tert-butyl ether	73	3.555	3.554	0.001	99	2025220	100.0	88.4	
33 trans-1,2-Dichloroethene	96	3.567	3.567	0.000	94	615362	100.0	89.1	
34 Acrylonitrile	53	3.591	3.591	0.000	96	2781519	1000.0	848.4	
35 Hexane	57	3.786	3.786	0.000	95	1153569	100.0	97.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	1247291	100.0	92.7	
39 Vinyl acetate	43	4.035	4.035	0.000	98	3400290	200.0	180.1	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	91	577532	100.0	82.9	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	85	664070	100.0	100.8	
44 2-Butanone (MEK)	43	4.558	4.558	0.000	99	2032642	500.0	438.2	
47 Chlorobromomethane	128	4.771	4.771	0.000	95	354151	100.0	96.6	
49 Tetrahydrofuran	42	4.796	4.802	-0.006	90	605547	200.0	182.3	
50 Chloroform	83	4.844	4.844	0.000	95	1058154	100.0	99.8	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	97	870059	100.0	94.4	
52 Cyclohexane	56	5.002	5.002	0.000	97	1191180	100.0	97.6	
53 Carbon tetrachloride	117	5.124	5.124	0.000	97	898040	100.0	100.4	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	92	875698	100.0	95.8	
56 Isobutyl alcohol	43	5.313	5.313	0.000	94	1041613	2500.0	2496.2	
55 Benzene	78	5.331	5.331	0.000	98	2290661	100.0	88.4	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	1020962	100.0	89.7	
59 n-Heptane	43	5.532	5.532	0.000	96	1265769	100.0	96.1	
60 Trichloroethene	95	5.945	5.945	0.000	94	634627	100.0	90.6	
62 Methylcyclohexane	83	6.079	6.079	0.000	97	1076915	100.0	97.8	
63 1,2-Dichloropropane	63	6.171	6.170	0.000	89	642580	100.0	93.4	
64 Dibromomethane	93	6.304	6.304	0.000	94	392794	100.0	97.5	
66 1,4-Dioxane	88	6.310	6.316	-0.006	39	123337	2000.0	1961.9	M
67 Dichlorobromomethane	83	6.456	6.456	0.000	96	797203	100.0	99.6	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	93	485098	100.0	106.9	
71 cis-1,3-Dichloropropene	75	6.876	6.876	0.000	90	1018880	100.0	104.5	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	94	1637228	500.0	480.2	
73 Toluene	92	7.180	7.180	0.000	97	1530492	100.0	92.4	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	955683	100.0	109.3	
77 Ethyl methacrylate	69	7.497	7.491	0.006	94	869945	100.0	103.0	
78 1,1,2-Trichloroethane	83	7.631	7.630	0.001	95	434815	100.0	96.9	
79 Tetrachloroethene	166	7.722	7.722	0.000	95	691425	100.0	90.0	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	97	967057	100.0	94.6	
82 2-Hexanone	43	7.856	7.856	0.000	95	2897036	500.0	465.0	
83 Chlorodibromomethane	129	8.032	8.032	0.000	91	650745	100.0	112.7	
84 Ethylene Dibromide	107	8.142	8.142	0.000	98	593376	100.0	100.3	
85 Chlorobenzene	112	8.628	8.628	0.000	92	1652702	100.0	91.2	
89 1,1,1,2-Tetrachloroethane	131	8.720	8.719	0.001	92	641143	100.0	100.4	
88 Ethylbenzene	91	8.726	8.726	0.000	98	2591455	100.0	86.1	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	1130552	100.0	93.6	
91 o-Xylene	106	9.273	9.273	0.000	96	1118800	100.0	93.8	
92 Styrene	104	9.297	9.297	0.000	95	1827931	100.0	96.8	
93 Bromoform	173	9.535	9.535	0.000	96	380036	100.0	122.4	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	2622585	100.0	91.0	
97 Bromobenzene	156	9.991	9.991	0.000	93	714530	100.0	94.2	
98 1,1,2,2-Tetrachloroethane	83	10.028	10.027	0.001	96	664235	100.0	99.2	
99 1,2,3-Trichloropropane	110	10.064	10.058	0.006	92	239848	100.0	96.5	
101 trans-1,4-Dichloro-2-buten	53	10.070	10.076	-0.006	76	298278	100.0	112.4	
100 N-Propylbenzene	91	10.076	10.076	0.000	96	2807402	100.0	87.9	
102 2-Chlorotoluene	126	10.180	10.173	0.007	97	662784	100.0	92.1	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.001	96	2117863	100.0	89.7	
105 4-Chlorotoluene	91	10.283	10.283	0.000	98	2087644	100.0	91.5	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	528978	100.0	93.8	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	97	2159953	100.0	87.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	2584832	100.0	85.4	
110 1,3-Dichlorobenzene	146	10.910	10.903	0.007	98	1260925	100.0	92.6	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	96	2276267	100.0	85.8	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	92	1291298	100.0	89.1	
115 n-Butylbenzene	91	11.299	11.299	0.000	96	1934229	100.0	91.0	
116 1,2-Dichlorobenzene	146	11.342	11.341	0.001	96	1204553	100.0	93.1	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	83	142646	100.0	123.4	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	95	832384	100.0	108.9	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	98	401397	100.0	102.3	
121 Naphthalene	128	12.954	12.954	0.000	98	2227234	100.0	108.5	
122 1,2,3-Trichlorobenzene	180	13.154	13.154	0.000	95	779570	100.0	109.2	
S 123 1,3-Dichloropropene, Total	1				0			213.8	
S 124 1,2-Dichloroethene, Total	1				0			189.9	
S 125 Total BTEX	1				0			454.3	
S 126 Xylenes, Total	1				0			187.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00060	Amount Added:	50.00	Units: uL	
GAS CORP mix_00124	Amount Added:	50.00	Units: uL	
N_8260_Surr_00162	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00009	Amount Added:	1.00	Units: uL	Run Reagent

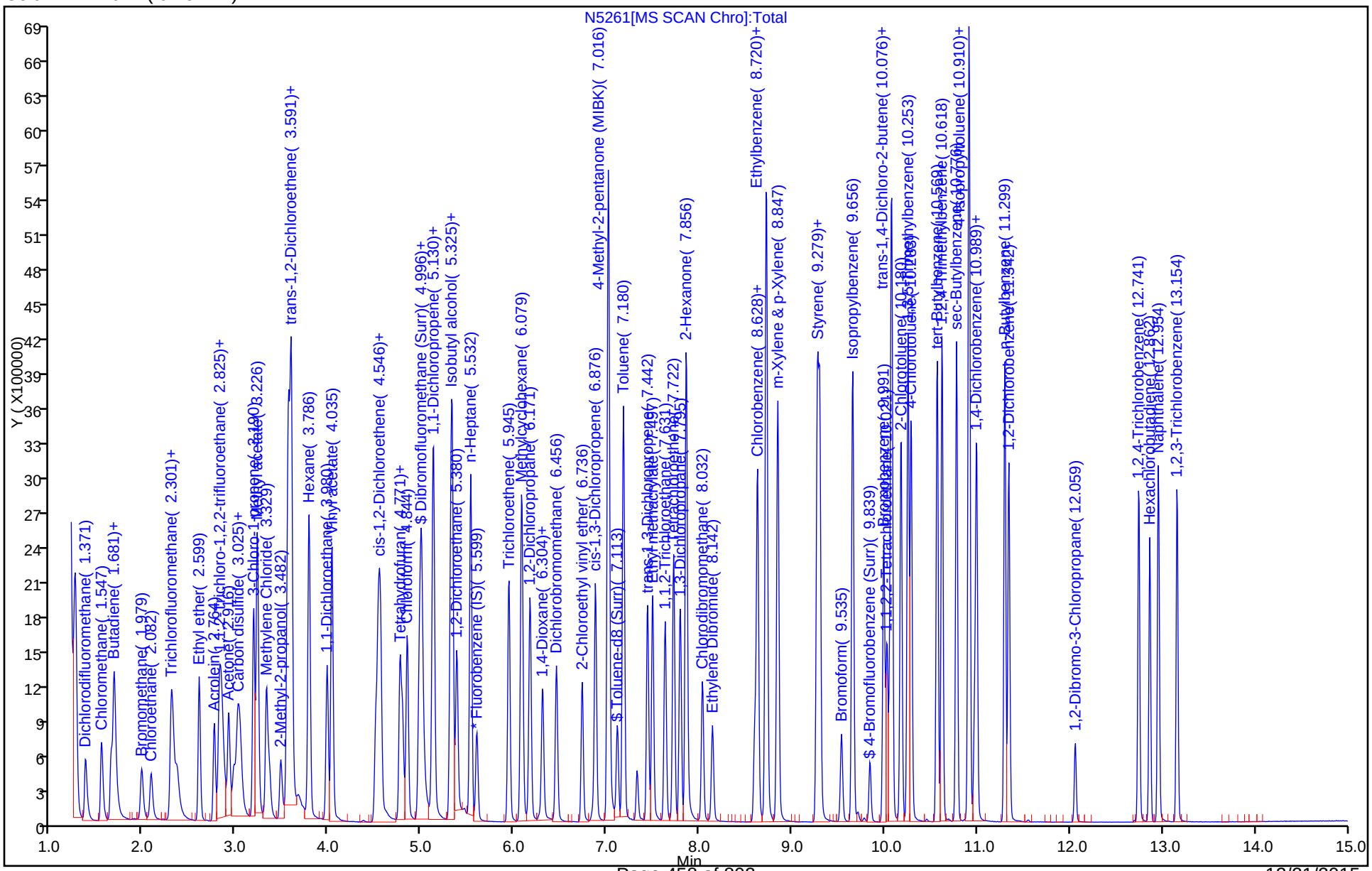
Report Date: 04-Dec-2015 23:07:58 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5261.D

Injection Date:	04-Dec-2015 15:39:30	Instrument ID:	HP5973N	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

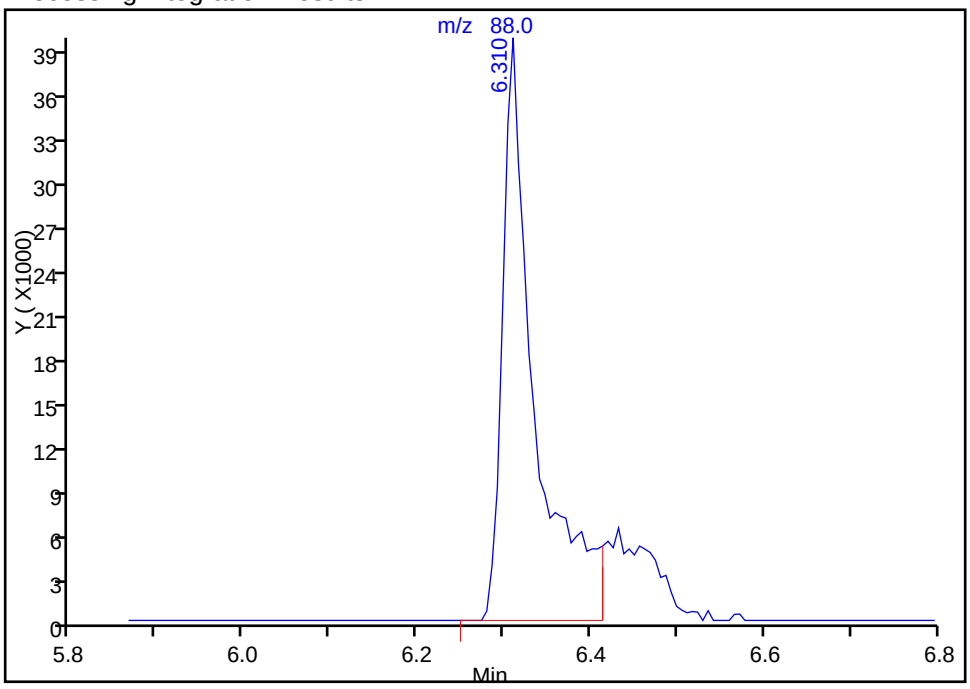
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5261.D
Injection Date: 04-Dec-2015 15:39:30 Instrument ID: HP5973N
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 58 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

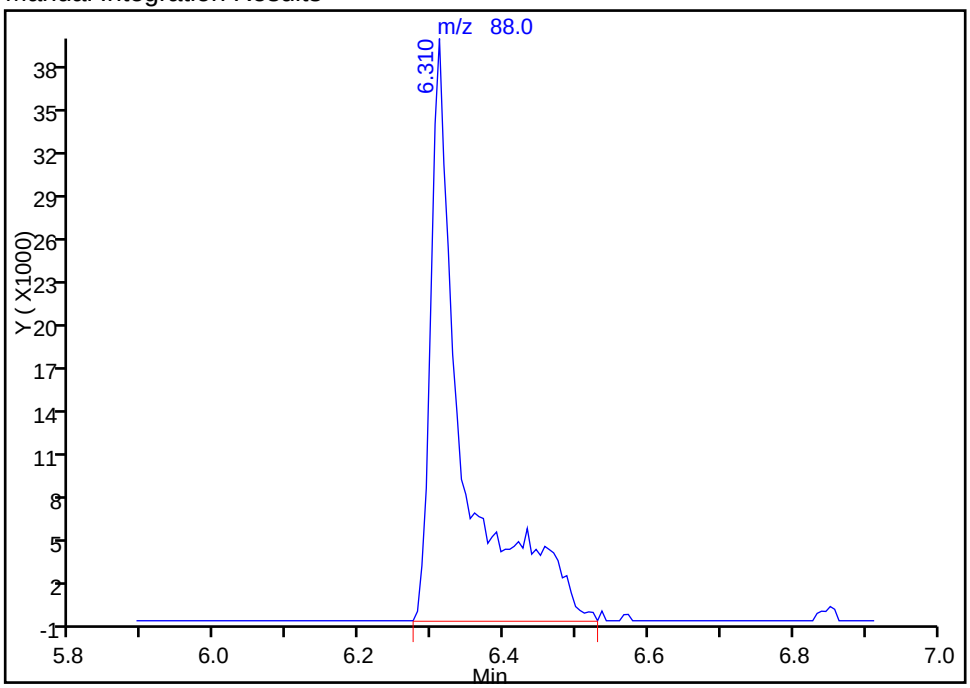
Processing Integration Results

RT: 6.31
Area: 101040
Amount: 1666.5728
Amount Units: ug/L



Manual Integration Results

RT: 6.31
Area: 123337
Amount: 1961.9177
Amount Units: ug/L



Reviewer: HillL, 04-Dec-2015 16:13:38
Audit Action: Manually Integrated
Audit Reason: Peak Tail

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-277678/3	P1877.D
Level 2	IC 480-277678/4	P1878.D
Level 3	IC 480-277678/5	P1879.D
Level 4	IC 480-277678/6	P1880.D
Level 5	ICIS 480-277678/7	P1881.D
Level 6	IC 480-277678/8	P1882.D
Level 7	IC 480-277678/9	P1883.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7126 1.5082	1.7883 1.2642	1.6420	1.5422	1.6692	Ave		1.5895			0.1000	10.8		20.0			
Chloromethane	1.5751 1.4157	1.4143 1.3596	1.4166	1.3545	1.4234	Ave		1.4227			0.1000	5.1		20.0			
Vinyl chloride	1.1290 1.1161	1.2154 0.9834	1.1097	1.1450	1.1826	Ave		1.1259			0.1000	6.5		20.0			
Butadiene	0.9915 1.0737	1.0187 0.9735	0.9968	1.0498	1.1396	Ave		1.0348				5.6		20.0			
Bromomethane	0.6444 0.6252	0.6708 0.6647	0.6049	0.6091	0.7155	Ave		0.6478			0.1000	6.1		20.0			
Chloroethane	0.7295 0.6956	0.6950 0.6930	0.7062	0.7053	0.7529	Ave		0.7111			0.1000	3.1		20.0			
Dichlorofluoromethane	2.6010 2.2858	2.6812 2.1455	2.4541	2.4609	2.6596	Ave		2.4697				8.1		20.0			
Trichlorofluoromethane	1.9344 1.9813	2.1411 1.7220	1.9442	2.0880	2.1712	Ave		1.9975			0.1000	7.7		20.0			
Ethyl ether	1.4936 1.3373	1.4994 1.2872	1.4639	1.4099	1.4177	Ave		1.4156				5.6		20.0			
Acrolein	0.2997 0.2946	0.3328 0.2784	0.3090	0.3153	0.2975	Ave		0.3039				5.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.9364 1.4582	1.8955 1.2373	1.7374	1.7347	1.6661	Ave		1.6665			0.1000	14.7		20.0			
1,1-Dichloroethene	2.0196 1.4073	1.9166 1.1892	1.7808	1.7302	1.6310	Ave		1.6678			0.1000	17.3		20.0			
Acetone	0.6588 0.5183	0.6484 0.4901	0.5838	0.5805	0.5310	Ave		0.5730			0.1000	11.2		20.0			
Iodomethane	2.7041 2.3694	2.7973 2.1614	2.6341	2.6090	2.5558	Ave		2.5473				8.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	1.4299 1.2030	1.5071 1.0278	1.4050	1.3597	1.2574	Ave		1.3128			0.1000	12.4		20.0			
Carbon disulfide	5.7193 4.6643	5.7256 4.1068	5.4048	5.3261	5.2289	Ave		5.1680			0.1000	11.4		20.0			
Allyl chloride	2.9677 2.5869	2.9908 2.3213	2.8165	2.8071	2.8363	Ave		2.7609				8.5		20.0			
Methylene Chloride	2.5924 1.4506	2.1048 1.3504	1.8191	1.6504	1.5721	Lin1	3.6271	1.3846			0.1000				0.9970		0.9900
2-Methyl-2-propanol	0.1784 0.1880	0.2022 0.1844	0.1820	0.1890	0.1795	Ave		0.1862				4.3		20.0			
Methyl tert-butyl ether	4.7593 4.1973	4.7843 3.8854	4.4857	4.5492	4.4938	Ave		4.4507			0.1000	7.1		20.0			
Acrylonitrile	0.6448 0.5483	0.6901 0.4687	0.6348	0.6399	0.5773	Ave		0.6006				12.4		20.0			
trans-1,2-Dichloroethene	1.5907 1.2170	1.6578 1.0589	1.5111	1.4333	1.3858	Ave		1.4078			0.1000	15.0		20.0			
Hexane	3.5028 2.3436	3.1653 2.1107	2.7650	2.7103	2.6966	Ave		2.7563				17.0		20.0			
Vinyl acetate	3.4049 3.3092	3.6453 2.7820	3.4463	3.5385	3.5103	Ave		3.3766				8.4		20.0			
1,1-Dichloroethane	3.4524 2.8519	3.3979 2.7080	3.2332	3.1265	3.1278	Ave		3.1282			0.2000	8.7		20.0			
2-Butanone (MEK)	0.8613 0.8091	0.9613 0.7418	0.8649	0.8644	0.8133	Ave		0.8452			0.1000	8.0		20.0			
cis-1,2-Dichloroethene	1.7199 1.3517	1.6780 1.2257	1.6007	1.5882	1.5215	Ave		1.5265			0.1000	11.7		20.0			
2,2-Dichloropropane	2.4139 1.9307	2.3205 1.7018	2.2370	2.2164	2.1574	Ave		2.1397				11.4		20.0			
Chlorobromomethane	0.8156 0.6701	0.7851 0.6109	0.7570	0.7446	0.7296	Ave		0.7304				9.5		20.0			
Tetrahydrofuran	0.5852 0.5067	0.6497 0.4540	0.5604	0.5733	0.5226	Ave		0.5503				11.4		20.0			
Chloroform	3.0825 2.4228	2.9718 2.2107	2.7771	2.7175	2.6678	Ave		2.6929			0.2000	11.2		20.0			
1,1,1-Trichloroethane	1.6496 1.8478	1.7207 1.7743	1.7805	1.8350	1.9261	Ave		1.7906			0.1000	5.0		20.0			
Cyclohexane	3.5252 2.9505	3.4414 2.5593	3.2335	3.3395	3.3093	Ave		3.1941			0.1000	10.5		20.0			
Isobutyl alcohol	0.0786 0.0833	0.0850 0.0776	0.0776	0.0834	0.0821	Ave		0.0811				3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.2560 1.7523	2.1835 1.5052	2.0890	2.0407	2.0042	Ave		1.9758				13.2		20.0			
Carbon tetrachloride	2.0964 1.8873	2.1256 1.6356	2.0416	2.0839	2.0992	Ave		1.9957			0.1000	8.9		20.0			
Benzene	6.3365 4.9578	6.0983 4.2785	5.6909	5.6691	5.5670	Ave		5.5140			0.5000	12.6		20.0			
1,2-Dichloroethane	2.8455 2.2273	2.7899 2.0476	2.5717	2.4940	2.4497	Ave		2.4894			0.1000	11.5		20.0			
n-Heptane	3.2723 2.5590	3.2224 2.2767	2.9473	3.0904	3.0385	Ave		2.9152				12.6		20.0			
Trichloroethene	1.6833 1.3682	1.5595 1.2687	1.5430	1.5184	1.5103	Ave		1.4931			0.2000	9.1		20.0			
Methylcyclohexane	2.7266 2.3524	2.7762 2.0925	2.5894	2.6843	2.6845	Ave		2.5580			0.1000	9.7		20.0			
1,2-Dichloropropane	1.7808 1.4894	1.7021 1.3994	1.5880	1.6337	1.6116	Ave		1.6007			0.1000	7.9		20.0			
1,4-Dioxane	0.0059 0.0063	0.0061 0.0061	0.0066	0.0060	0.0060	Ave		0.0061				3.7		20.0			
Dibromomethane	0.9400 0.8320	0.9247 0.7656	0.9151	0.9118	0.8930	Ave		0.8832			0.1000	7.1		20.0			
Bromodichloromethane	2.1050 1.9455	2.0859 1.8417	1.9817	2.0238	2.0724	Ave		2.0080			0.2000	4.6		20.0			
2-Chloroethyl vinyl ether	0.2487 0.3142	0.2810 0.3347	0.2765	0.3026	0.3134	Ave		0.2959				9.8		20.0			
cis-1,3-Dichloropropene	2.3245 2.3304	2.3530 2.2001	2.2872	2.3676	2.4223	Ave		2.3264			0.2000	3.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.8870 0.7683	0.9424 0.5755	0.9047	0.9005	0.8202	Ave		0.8284			0.1000	15.2		20.0			
Toluene	2.2369 1.5202	1.9341 1.3342	1.8608	1.8146	1.7298	Ave		1.7758			0.4000	16.4		20.0			
Ethyl methacrylate	0.6975 0.8069	0.7880 0.7532	0.7703	0.7982	0.8102	Ave		0.7749				5.1		20.0			
trans-1,3-Dichloropropene	1.0221 1.0039	1.0530 0.9260	1.0341	1.0457	1.0508	Ave		1.0194			0.1000	4.4		20.0			
1,1,2-Trichloroethane	0.5026 0.4703	0.5107 0.4406	0.5004	0.4951	0.4875	Ave		0.4867			0.1000	5.0		20.0			
Tetrachloroethene	0.7868 0.5735	0.8084 0.4818	0.7382	0.7117	0.6723	Ave		0.6818			0.2000	17.2		20.0			
2-Hexanone	0.6108 0.5216	0.6650 0.3963	0.6235	0.6257	0.5488	Ave		0.5703			0.1000	15.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.1441 0.8787	1.1073 0.7473	1.0484	1.0341	0.9527	Ave		0.9875				14.0		20.0			
Dibromochloromethane	0.6121 0.6876	0.6752 0.6453	0.6489	0.6847	0.7056	Ave		0.6656			0.1000	4.8		20.0			
1,2-Dibromoethane	0.6592 0.6234	0.6719 0.5877	0.6345	0.6453	0.6325	Ave		0.6363				4.3		20.0			
Chlorobenzene	2.1798 1.7702	2.1603 1.5314	2.0103	1.9660	1.9248	Ave		1.9347			0.5000	11.7		20.0			
Ethylbenzene	3.6073 2.6808	3.5130 2.0660	3.3344	3.2309	3.1095	Ave		3.0774			0.1000	17.5		20.0			
1,1,1,2-Tetrachloroethane	0.7298 0.5982	0.7165 0.5141	0.6906	0.6807	0.6670	Ave		0.6567				11.5		20.0			
m,p-Xylene	1.5082 1.1647	1.4252 0.9918	1.3897	1.3525	1.2984	Ave		1.3044			0.1000	13.4		20.0			
o-Xylene	1.5106 1.1561	1.4662 0.9844	1.4161	1.3645	1.2927	Ave		1.3129			0.3000	14.2		20.0			
Styrene	2.2463 1.8117	2.2667 1.4690	2.1867	2.1869	2.0615	Ave		2.0327			0.3000	14.4		20.0			
Bromoform	0.3852 0.4555	0.3920 0.4337	0.3952	0.4250	0.4446	Ave		0.4187			0.1000	6.7		20.0			
Isopropylbenzene	3.7379 3.3751	3.7744 2.9445	3.6287	3.6437	3.7008	Ave		3.5436			0.1000	8.3		20.0			
1,1,2,2-Tetrachloroethane	0.7811 0.8654	0.8522 0.9340	0.7991	0.8181	0.8185	Ave		0.8383			0.3000	6.1		20.0			
trans-1,4-Dichloro-2-butene	0.2920 0.3602	0.3112 0.3762	0.3316	0.3212	0.3302	Ave		0.3318				8.6		20.0			
1,2,3-Trichloropropane	0.2638 0.2232	0.2838 0.2070	0.2623	0.2570	0.2327	Ave		0.2471				10.9		20.0			
Bromobenzene	0.9958 0.7662	0.9996 0.7173	0.9157	0.9038	0.8513	Ave		0.8785				12.3		20.0			
N-Propylbenzene	4.4275 3.4220	4.4150 2.8096	4.1666	4.1421	3.9673	Ave		3.9072				15.1		20.0			
2-Chlorotoluene	0.8846 0.6830	0.8806 0.6316	0.8442	0.8206	0.7757	Ave		0.7886				12.4		20.0			
1,3,5-Trimethylbenzene	3.3161 2.6799	3.2963 2.3294	3.1251	3.1352	3.0110	Ave		2.9847				12.0		20.0			
4-Chlorotoluene	0.9160 0.7797	0.8881 0.7431	0.8722	0.8712	0.8442	Ave		0.8449				7.3		20.0			
tert-Butylbenzene	0.6531 0.5960	0.6814 0.5771	0.6299	0.6383	0.6453	Ave		0.6316				5.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.3906 2.9478	3.4352 2.5306	3.3284	3.3111	3.2223	Ave		3.1666				10.2		20.0			
sec-Butylbenzene	4.1438 3.6266	4.2525 3.0029	4.0620	4.1186	4.0960	Ave		3.9003				11.3		20.0			
4-Isopropyltoluene	3.4381 3.0009	3.5037 2.5494	3.3910	3.4045	3.3586	Ave		3.2352				10.6		20.0			
1,3-Dichlorobenzene	1.8676 1.5151	1.8772 1.4116	1.7235	1.7289	1.6687	Ave		1.6847			0.6000	10.2		20.0			
1,4-Dichlorobenzene	1.8863 1.4549	1.8277 1.3471	1.6851	1.6277	1.5865	Ave		1.6308			0.5000	11.8		20.0			
n-Butylbenzene	3.3277 2.8991	3.3047 2.5023	3.1576	3.1824	3.2101	Ave		3.0834				9.5		20.0			
1,2-Dichlorobenzene	1.7839 1.5741	1.8360 1.4711	1.7292	1.7153	1.6790	Ave		1.6841			0.4000	7.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1678 0.1998	0.1702 0.2168	0.1691	0.1797	0.1798	Ave		0.1833			0.0500	10.0		20.0			
1,2,4-Trichlorobenzene	1.2431 1.1625	1.2131 1.1017	1.1668	1.1872	1.2150	Ave		1.1842			0.2000	3.9		20.0			
Hexachlorobutadiene	1.4827 1.1726	1.4685 0.9994	1.2899	1.3956	1.3875	Ave		1.3138				13.3		20.0			
Naphthalene	4.8784 4.8173	5.0743 3.8828	4.9219	5.1279	4.9846	Ave		4.8124				8.8		20.0			
1,2,3-Trichlorobenzene	2.1173 1.8747	2.0941 1.5586	2.0266	2.0685	2.0471	Ave		1.9696				10.0		20.0			
Dibromofluoromethane (Surr)	1.2957 1.2589	1.3076 1.2289	1.2877	1.2909	1.2842	Ave		1.2791				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7848 0.7571	0.7853 0.7406	0.7857	0.7776	0.7784	Ave		0.7728				2.2		20.0			
Toluene-d8 (Surr)	2.1767 2.2329	2.1660 2.1757	2.1857	2.1885	2.1869	Ave		2.1875				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.7682 0.7645	0.7577 0.7554	0.7617	0.7655	0.7598	Ave		0.7618				0.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-277678/3	P1877.D
Level 2	IC 480-277678/4	P1878.D
Level 3	IC 480-277678/5	P1879.D
Level 4	IC 480-277678/6	P1880.D
Level 5	ICIS 480-277678/7	P1881.D
Level 6	IC 480-277678/8	P1882.D
Level 7	IC 480-277678/9	P1883.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	36146 1391626	74860 2466470	140761	266775	751267	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	33245 1306225	59204 2652537	121445	234305	640659	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	23829 1029790	50878 1918595	95132	198061	532248	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	20928 990694	42646 1899309	85457	181601	512902	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	13602 576851	28080 1296852	51854	105372	322013	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	15398 641783	29095 1351984	60539	122014	338880	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	54898 2109082	112241 4185863	210388	425701	1197026	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	40829 1828102	89632 3359485	166669	361193	977224	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	31524 1233920	62766 2511239	125495	243897	638081	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	31627 1359152	69650 2715328	132445	272687	669511	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	40870 1345486	79348 2413978	148946	300076	749900	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	42626 1298533	80231 2320039	152664	299303	734097	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Ave	69524 2391171	135713 4780526	250248	502128	1195016	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	57073 2186222	117099 4216773	225813	451308	1150300	2.50 100	5.00 200	10.0	20.0	50.0
Methyl acetate	FB	Ave	150897 5549839	315450 10025752	602223	1176068	2829604	12.5 500	25.0 1000	50.0	100	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	120714 4303741	239685 8012304	463340	921329	2353408	2.50 100	5.00 200	10.0	20.0	50.0
Allyl chloride	FB	Ave	62638 2386889	125201 4528706	241453	485591	1276565	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Lin1	54717 1338437	88109 2634503	155949	285487	707575	2.50 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	37657 1734302	84647 3597825	156024	326894	807943	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	100452 3872834	200280 7580384	384549	786933	2022584	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	136103 5059445	288900 9143948	544229	1106998	2598097	25.0 1000	50.0 2000	100	200	500
trans-1,2-Dichloroethene	FB	Ave	33573 1122958	69397 2065851	129541	247938	623705	2.50 100	5.00 200	10.0	20.0	50.0
Hexane	FB	Ave	73932 2162440	132503 4118004	237037	468834	1213710	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	143731 6106654	305195 10855419	590879	1224211	3159855	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	72867 2631452	142242 5283257	277173	540834	1407760	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	90894 3732870	201218 7235939	370725	747635	1830276	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	36302 1247242	70244 2391267	137228	274739	684791	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	50949 1781452	97140 3320184	191774	383410	970992	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	17215 618301	32864 1191943	64892	128802	328381	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	24701 935032	54399 1771423	96092	198350	470414	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	65061 2235524	124403 4313031	238071	470088	1200707	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	34818 1704930	72033 3461521	152634	317418	866902	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	74404 2722424	144064 4993164	277203	577675	1489459	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	41464 1922502	88929 3783496	166239	360484	924260	62.5 2500	125 5000	250	500	1250
1,1-Dichloropropene	FB	Ave	47616 1616833	91403 2936606	179084	353006	902074	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	44247 1741387	88983 3191098	175024	360487	944831	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	133741 4574506	255286 8347272	487868	980660	2505618	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	60059 2055153	116789 3994775	220469	431428	1102562	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	69066 2361153	134895 4441800	252667	534593	1367554	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	35529 1262465	65282 2475269	132277	262659	679746	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	57548 2170576	116217 4082400	221985	464347	1208237	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	37587 1374223	71252 2730266	136134	282608	725356	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Ave	5087 240298	10606 487484	23240	43535	114160	50.0 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	19841 767647	38708 1493729	78451	157735	401912	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	44429 1795135	87318 3593055	169889	350084	932738	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	5249 289898	11762 652897	23701	52353	141034	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	49062 2150281	98502 4292390	196073	409549	1090213	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	191243 7324828	409276 11586502	798114	1625869	3883404	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	96456 2898854	167985 5371665	328301	655266	1637947	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	30075 1538750	68440 3032737	135912	288243	767226	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	44073 1914261	91462 3728373	182446	377601	995060	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	21671 896787	44354 1773791	88285	178791	461627	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	33927 1093550	70210 1939868	130245	257020	636642	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	131684 4973594	288799 7978354	550059	1129699	2598359	12.5 500	25.0 1000	50.0	100	250
1,3-Dichloropropane	CBZ	Ave	49332 1675605	96172 3008973	184962	373420	902141	2.50 100	5.00 200	10.0	20.0	50.0
Dibromochloromethane	CBZ	Ave	26393 1311146	58647 2598319	114483	247244	668166	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	28423 1188674	58358 2366219	111939	233012	598886	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	93995 3375463	187633 6165880	354675	709939	1822657	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	155547 5112021	305118 8318263	588291	1166734	2944462	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	31468 1140742	62228 2069800	121844	245801	631599	2.50 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	65036 2220991	123789 3993372	245178	488408	1229516	2.50 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	65138 2204490	127350 3963472	249836	492743	1224072	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	96863 3454683	196878 5914374	385792	789728	1952043	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	16609 868649	34051 1746123	69723	153462	420978	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	161857 5709308	320460 9151719	624683	1263902	3246518	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	33823 1463968	72359 2902871	137566	283770	718058	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	12643 609275	26426 1169187	57083	111425	289628	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	11424 377539	24093 643287	45153	89137	204173	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	43118 1296137	84868 2229390	157633	313514	746820	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	191721 5788797	374853 8732356	717287	1436816	3480300	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	38306 1155334	74770 1963082	145330	284664	680515	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	143593 4533346	279873 7240064	537989	1087545	2641336	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	39663 1318910	75408 2309764	150157	302217	740542	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	28280 1008252	57855 1793630	108446	221402	566104	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	146821 4986518	291661 7865294	572984	1148548	2826758	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	179435 6134856	361058 9333242	699280	1428657	3593165	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	148875 5076420	297481 7923716	583764	1180947	2946288	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	80871 2563021	159379 4387287	296695	599729	1463874	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	81680 2461210	155184 4186920	290097	564625	1391732	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	144094 4904216	280587 7777306	543583	1103902	2816046	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	77247 2662738	155886 4572471	297692	595016	1472890	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	7268 338020	14448 673831	29115	62342	157761	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	53828 1966513	102996 3424086	200872	411815	1065814	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	FB	Ave	31294 1081963	61473 1949835	110583	241420	624508	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	FB	Ave	102966 4444863	212417 7575191	421943	887045	2243480	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	FB	Ave	44689 1729736	87663 3040825	173732	357819	921362	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	546938 580768	547373 599377	551957	558259	577992	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	331302 349287	328727 361212	336799	336269	350338	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1877184 2128916	1881297 2190016	1928130	1975749	2070809	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	662464 728902	658102 760380	671966	691127	719452	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 02-Dec-2015 01:45:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0048850-003
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:16:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	97	422129	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	862404	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	866040	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	546938	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	331302	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	1877184	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	87	662464	50.0	50.4	
10 Dichlorodifluoromethane	85	4.048	4.030	0.018	98	36146	2.50	2.69	
11 Chloromethane	50	4.322	4.340	-0.018	99	33245	2.50	2.77	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	23829	2.50	2.51	
149 Butadiene	54	4.577	4.595	-0.018	98	20928	2.50	2.40	
12 Bromomethane	94	5.107	5.125	-0.019	94	13602	2.50	2.49	
13 Chloroethane	64	5.253	5.252	0.000	93	15398	2.50	2.56	
19 Dichlorofluoromethane	67	5.545	5.557	-0.011	97	54898	2.50	2.63	
14 Trichlorofluoromethane	101	5.672	5.678	-0.006	97	40829	2.50	2.42	
20 Ethyl ether	59	5.964	5.964	0.000	98	31524	2.50	2.64	
22 Acrolein	56	6.220	6.220	0.000	97	31627	12.5	12.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	94	40870	2.50	2.90	
25 1,1-Dichloroethene	96	6.372	6.384	-0.012	95	42626	2.50	3.03	
24 Acetone	43	6.402	6.396	0.006	97	69524	12.5	14.4	
18 Iodomethane	142	6.621	6.633	-0.012	100	57073	2.50	2.65	
30 Methyl acetate	43	6.773	6.773	0.000	98	150897	12.5	13.6	M
27 Carbon disulfide	76	6.773	6.779	-0.006	67	120714	2.50	2.77	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	85	62638	2.50	2.69	
31 Methylene Chloride	84	6.986	6.986	0.000	96	54717	2.50	2.06	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	97	37657	25.0	24.0	
32 Methyl tert-butyl ether	73	7.236	7.229	0.007	99	100452	2.50	2.67	
34 Acrylonitrile	53	7.278	7.272	0.006	98	136103	25.0	26.8	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	93	33573	2.50	2.82	
36 Hexane	57	7.540	7.540	0.000	96	73932	2.50	3.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	143731	5.00	5.04	
40 1,1-Dichloroethane	63	7.826	7.832	-0.006	96	72867	2.50	2.76	
44 2-Butanone (MEK)	43	8.489	8.477	0.012	98	90894	12.5	12.7	
43 cis-1,2-Dichloroethene	96	8.525	8.531	-0.006	87	36302	2.50	2.82	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	82	50949	2.50	2.82	
50 Chlorobromomethane	128	8.848	8.848	0.000	89	17215	2.50	2.79	
51 Tetrahydrofuran	42	8.878	8.872	0.006	62	24701	5.00	5.32	
49 Chloroform	83	8.884	8.884	0.000	95	65061	2.50	2.86	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	34818	2.50	2.30	
54 Cyclohexane	56	9.225	9.219	0.006	97	74404	2.50	2.76	
53 Isobutyl alcohol	43	9.298	9.292	0.006	97	41464	62.5	60.6	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	47616	2.50	2.85	
55 Carbon tetrachloride	117	9.347	9.353	-0.006	94	44247	2.50	2.63	
57 Benzene	78	9.602	9.602	0.000	96	133741	2.50	2.87	
60 1,2-Dichloroethane	62	9.621	9.626	-0.005	96	60059	2.50	2.86	
59 n-Heptane	43	9.718	9.718	0.000	95	69066	2.50	2.81	
62 Trichloroethene	95	10.363	10.356	0.007	96	35529	2.50	2.82	
64 Methylcyclohexane	83	10.600	10.594	0.006	97	57548	2.50	2.66	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	91	37587	2.50	2.78	
68 1,4-Dioxane	88	10.782	10.788	-0.006	33	5087	50.0	48.0	
69 Dibromomethane	93	10.855	10.855	0.000	94	19841	2.50	2.66	
70 Dichlorobromomethane	83	10.995	10.995	0.000	97	44429	2.50	2.62	
71 2-Chloroethyl vinyl ether	63	11.263	11.257	0.006	86	5249	2.50	2.10	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	89	49062	2.50	2.50	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	98	191243	12.5	13.4	
76 Toluene	92	11.975	11.975	0.000	98	96456	2.50	3.15	
77 Ethyl methacrylate	69	12.200	12.200	0.000	92	30075	2.50	2.25	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	96	44073	2.50	2.51	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	21671	2.50	2.58	
80 Tetrachloroethene	166	12.717	12.717	0.000	49	33927	2.50	2.88	
83 2-Hexanone	43	12.729	12.729	0.000	98	131684	12.5	13.4	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	97	49332	2.50	2.90	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	89	26393	2.50	2.30	
85 Ethylene Dibromide	107	13.301	13.295	0.006	97	28423	2.50	2.59	
87 Chlorobenzene	112	13.885	13.885	0.000	95	93995	2.50	2.82	
89 Ethylbenzene	91	13.952	13.952	0.000	99	155547	2.50	2.93	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	90	31468	2.50	2.78	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	65036	2.50	2.89	
93 o-Xylene	106	14.639	14.639	0.000	98	65138	2.50	2.88	
94 Styrene	104	14.658	14.658	0.000	95	96863	2.50	2.76	
92 Bromoform	173	15.011	15.010	0.001	94	16609	2.50	2.30	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	161857	2.50	2.64	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	97	33823	2.50	2.33	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	69	12643	2.50	2.20	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	65	11424	2.50	2.67	
100 Bromobenzene	156	15.601	15.600	0.001	94	43118	2.50	2.83	
99 N-Propylbenzene	91	15.607	15.607	0.000	98	191721	2.50	2.83	
103 2-Chlorotoluene	126	15.795	15.801	-0.006	93	38306	2.50	2.80	
102 1,3,5-Trimethylbenzene	105	15.801	15.807	-0.006	93	143593	2.50	2.78	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	39663	2.50	2.71	
106 tert-Butylbenzene	134	16.239	16.245	-0.006	93	28280	2.50	2.59	
107 1,2,4-Trimethylbenzene	105	16.300	16.306	-0.006	97	146821	2.50	2.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	179435	2.50	2.66	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	96	148875	2.50	2.66	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	96	80871	2.50	2.77	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	81680	2.50	2.89	
115 n-Butylbenzene	91	17.182	17.176	0.006	98	144094	2.50	2.70	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	77247	2.50	2.65	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	71	7268	2.50	2.29	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	53828	2.50	2.62	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	31294	2.50	2.82	
121 Naphthalene	128	19.811	19.810	0.000	97	102966	2.50	2.53	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	93	44689	2.50	2.69	
S 125 Total BTEX	1				0			14.7	
S 126 Xylenes, Total	1				0			5.77	
S 123 1,2-Dichloroethene, Total	1				0			5.64	
S 124 1,3-Dichloropropene, Total	1				0			5.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00031	Amount Added:	2.50	Units: uL	
SS GAS CORP_00101	Amount Added:	2.50	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

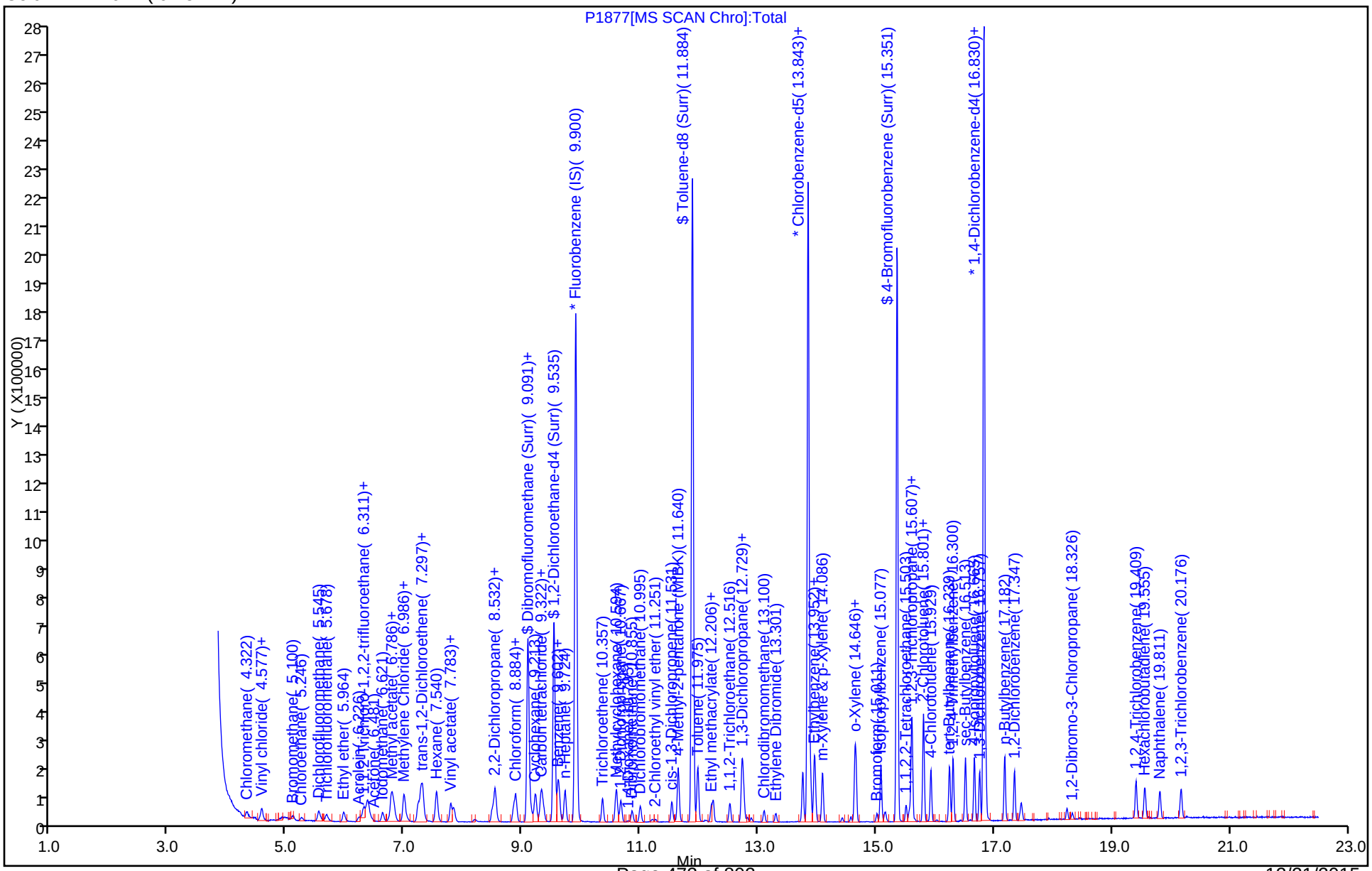
Report Date: 02-Dec-2015 14:53:41 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D

Injection Date:	02-Dec-2015 01:45:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

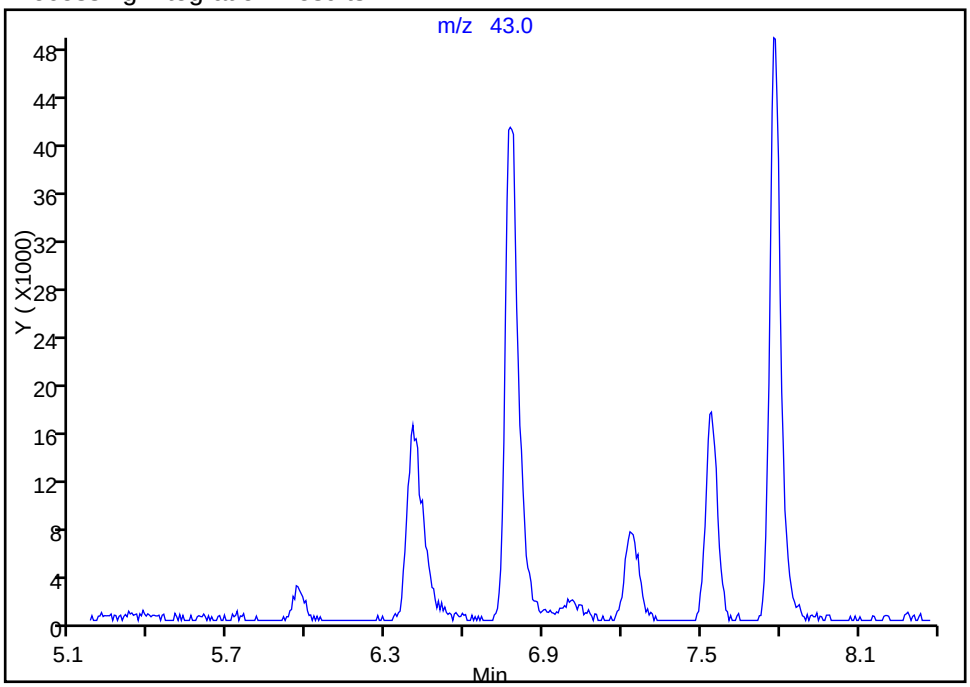
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D
Injection Date: 02-Dec-2015 01:45:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methyl acetate, CAS: 79-20-9

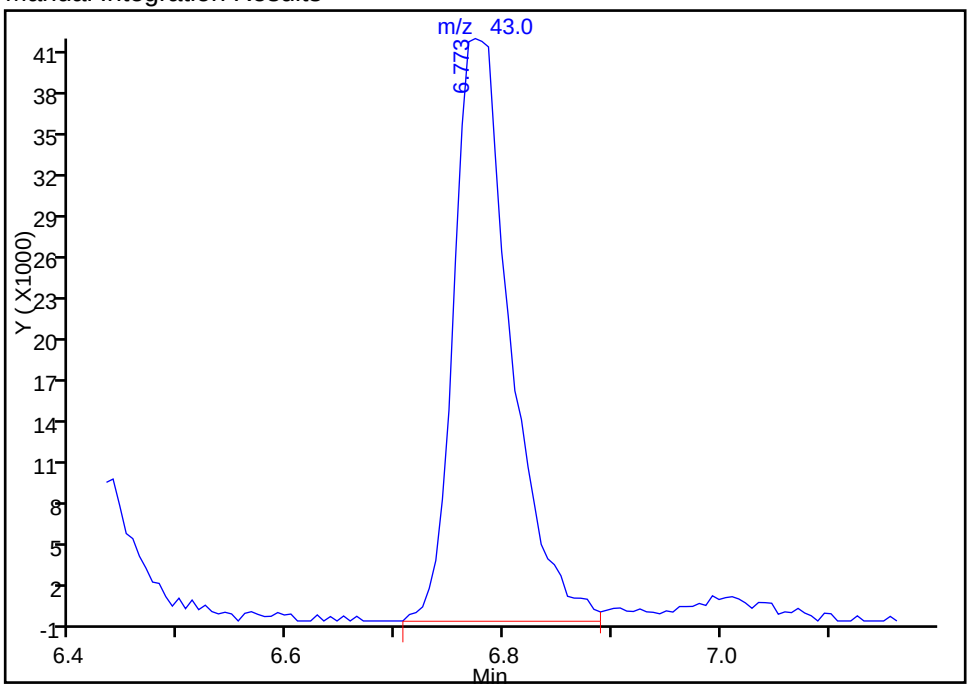
Not Detected
Expected RT: 6.77

Processing Integration Results



Manual Integration Results

RT: 6.77
Area: 150897
Amount: 13.614373
Amount Units: ug/L



Reviewer: cwiklinc, 02-Dec-2015 09:16:03
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-Dec-2015 02:13:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0048850-004
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:43 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:17:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	97	418617	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	868549	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	849046	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	547373	50.0	51.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	328727	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.878	11.883	-0.005	94	1881297	50.0	49.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	658102	50.0	49.7	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	99	74860	5.00	5.63	
11 Chloromethane	50	4.316	4.340	-0.024	98	59204	5.00	4.97	
17 Vinyl chloride	62	4.535	4.571	-0.036	77	50878	5.00	5.40	
149 Butadiene	54	4.571	4.595	-0.024	97	42646	5.00	4.92	
12 Bromomethane	94	5.100	5.125	-0.025	95	28080	5.00	5.18	
13 Chloroethane	64	5.246	5.252	-0.006	94	29095	5.00	4.89	
19 Dichlorofluoromethane	67	5.538	5.557	-0.018	98	112241	5.00	5.43	
14 Trichlorofluoromethane	101	5.666	5.678	-0.012	97	89632	5.00	5.36	
20 Ethyl ether	59	5.958	5.964	-0.006	97	62766	5.00	5.30	
22 Acrolein	56	6.214	6.220	-0.006	99	69650	25.0	27.4	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	79348	5.00	5.69	
25 1,1-Dichloroethene	96	6.366	6.384	-0.018	92	80231	5.00	5.75	
24 Acetone	43	6.396	6.396	0.000	98	135713	25.0	28.3	
18 Iodomethane	142	6.621	6.633	-0.012	99	117099	5.00	5.49	
30 Methyl acetate	43	6.773	6.773	0.000	100	315450	25.0	28.7	
27 Carbon disulfide	76	6.767	6.779	-0.012	65	239685	5.00	5.54	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	85	125201	5.00	5.42	
31 Methylene Chloride	84	6.986	6.986	0.000	94	88109	5.00	4.98	
33 2-Methyl-2-propanol	59	7.017	7.010	0.007	96	84647	50.0	54.3	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	200280	5.00	5.37	
34 Acrylonitrile	53	7.278	7.272	0.006	99	288900	50.0	57.5	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	94	69397	5.00	5.89	
36 Hexane	57	7.534	7.540	-0.006	97	132503	5.00	5.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	305195	10.0	10.8	
40 1,1-Dichloroethane	63	7.826	7.832	-0.006	97	142242	5.00	5.43	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	97	201218	25.0	28.4	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	86	70244	5.00	5.50	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	68	97140	5.00	5.42	
50 Chlorobromomethane	128	8.848	8.848	0.000	91	32864	5.00	5.37	
51 Tetrahydrofuran	42	8.878	8.872	0.006	65	54399	10.0	11.8	
49 Chloroform	83	8.884	8.884	0.000	96	124403	5.00	5.52	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	72033	5.00	4.81	
54 Cyclohexane	56	9.213	9.219	-0.006	96	144064	5.00	5.39	
53 Isobutyl alcohol	43	9.298	9.292	0.006	94	88929	125.0	131.0	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	91403	5.00	5.53	
55 Carbon tetrachloride	117	9.347	9.353	-0.006	96	88983	5.00	5.33	
57 Benzene	78	9.602	9.602	0.000	96	255286	5.00	5.53	
60 1,2-Dichloroethane	62	9.621	9.626	-0.005	95	116789	5.00	5.60	
59 n-Heptane	43	9.724	9.718	0.006	97	134895	5.00	5.53	
62 Trichloroethene	95	10.351	10.356	-0.005	93	65282	5.00	5.22	
64 Methylcyclohexane	83	10.594	10.594	0.000	97	116217	5.00	5.43	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	90	71252	5.00	5.32	
68 1,4-Dioxane	88	10.789	10.788	0.001	94	10606	100.0	99.4	
69 Dibromomethane	93	10.862	10.855	0.007	94	38708	5.00	5.23	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	87318	5.00	5.19	
71 2-Chloroethyl vinyl ether	63	11.251	11.257	-0.006	49	11762	5.00	4.75	M
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	98502	5.00	5.06	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	409276	25.0	28.4	
76 Toluene	92	11.975	11.975	0.000	97	167985	5.00	5.45	
77 Ethyl methacrylate	69	12.200	12.200	0.000	94	68440	5.00	5.08	
78 trans-1,3-Dichloropropene	75	12.230	12.236	-0.006	96	91462	5.00	5.17	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	44354	5.00	5.25	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	70210	5.00	5.93	
83 2-Hexanone	43	12.729	12.729	0.000	98	288799	25.0	29.2	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	96172	5.00	5.61	
81 Chlorodibromomethane	129	13.100	13.100	0.000	89	58647	5.00	5.07	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	58358	5.00	5.28	
87 Chlorobenzene	112	13.885	13.885	0.000	95	187633	5.00	5.58	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	305118	5.00	5.71	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	91	62228	5.00	5.46	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	123789	5.00	5.46	
93 o-Xylene	106	14.639	14.639	0.000	97	127350	5.00	5.58	
94 Styrene	104	14.658	14.658	0.000	95	196878	5.00	5.58	
92 Bromoform	173	15.011	15.010	0.001	95	34051	5.00	4.68	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	320460	5.00	5.33	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	97	72359	5.00	5.08	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	68	26426	5.00	4.69	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	61	24093	5.00	5.74	
100 Bromobenzene	156	15.595	15.600	-0.005	96	84868	5.00	5.69	
99 N-Propylbenzene	91	15.607	15.607	0.000	98	374853	5.00	5.65	
103 2-Chlorotoluene	126	15.801	15.801	0.000	94	74770	5.00	5.58	
102 1,3,5-Trimethylbenzene	105	15.801	15.807	-0.006	94	279873	5.00	5.52	
105 4-Chlorotoluene	126	15.923	15.929	-0.006	99	75408	5.00	5.26	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	57855	5.00	5.39	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	97	291661	5.00	5.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	361058	5.00	5.45	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	297481	5.00	5.42	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	159379	5.00	5.57	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	93	155184	5.00	5.60	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	280587	5.00	5.36	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	155886	5.00	5.45	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.326	-0.006	75	14448	5.00	4.64	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	102996	5.00	5.12	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	61473	5.00	5.59	
121 Naphthalene	128	19.811	19.810	0.001	97	212417	5.00	5.27	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	95	87663	5.00	5.32	
S 125 Total BTEX	1				0			27.7	
S 126 Xylenes, Total	1				0			11.0	
S 123 1,2-Dichloroethene, Total	1				0			11.4	
S 124 1,3-Dichloropropene, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00031	Amount Added:	5.00	Units: uL	
SS GAS CORP_00101	Amount Added:	5.00	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

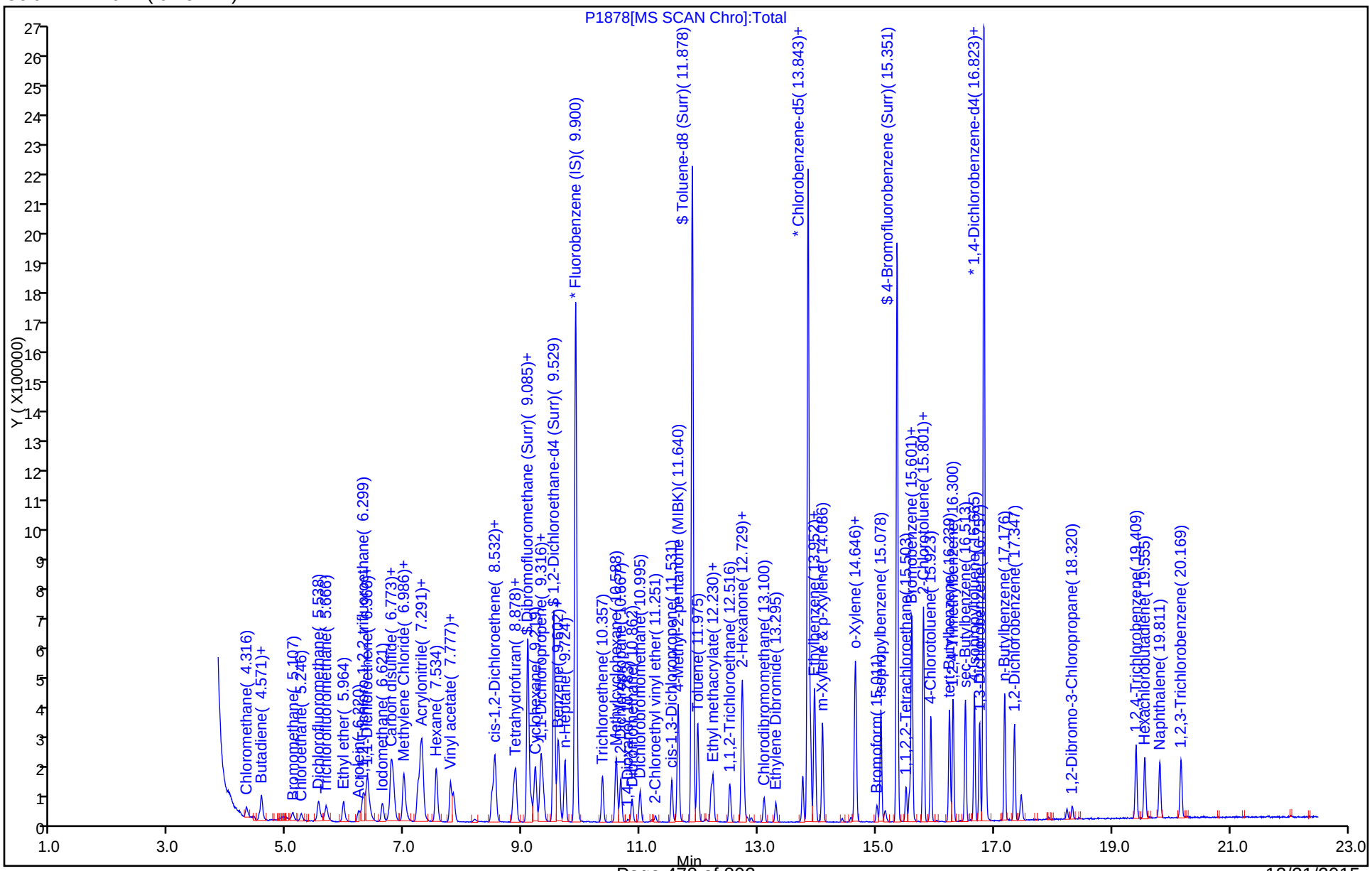
Report Date: 02-Dec-2015 14:53:44 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D

Injection Date:	02-Dec-2015 02:13:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 2			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

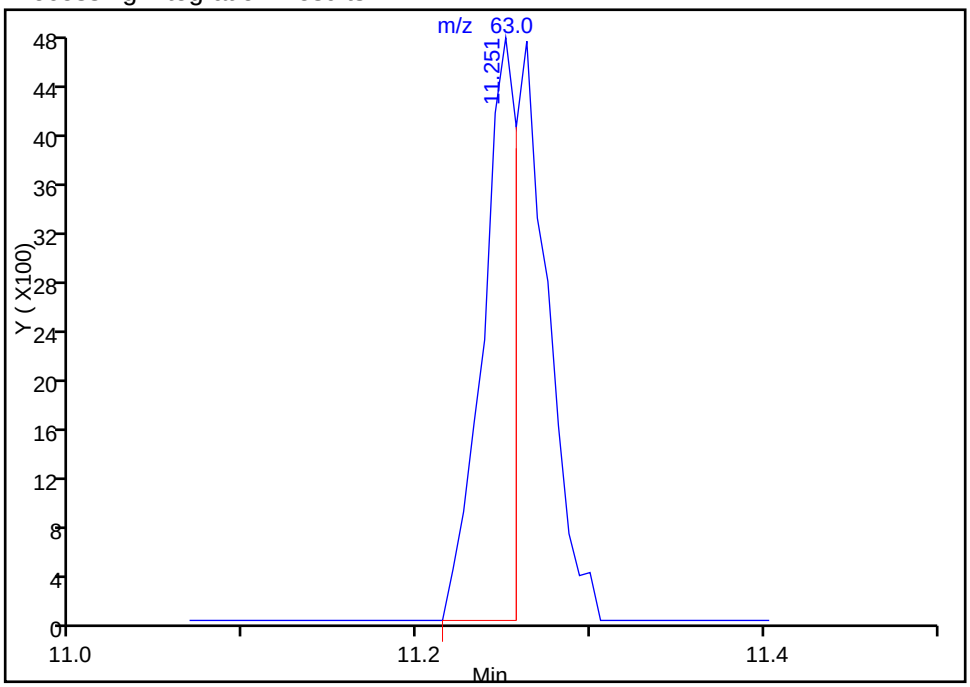
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D
Injection Date: 02-Dec-2015 02:13:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

71 2-Chloroethyl vinyl ether, CAS: 110-75-8

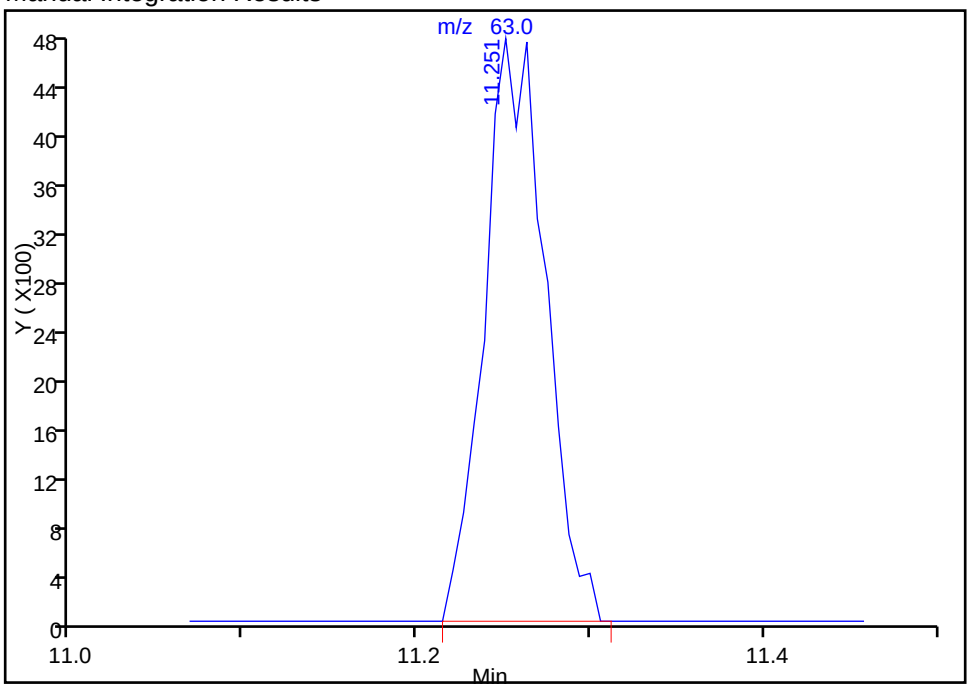
Processing Integration Results

RT: 11.25
Area: 6672
Amount: 3.787532
Amount Units: ug/L



Manual Integration Results

RT: 11.25
Area: 11762
Amount: 4.748519
Amount Units: ug/L



Reviewer: cwiklinc, 02-Dec-2015 09:17:10
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1879.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-Dec-2015 02:40:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0048850-005
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:45 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:25:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	98	428638	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	882153	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	860755	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	551957	50.0	50.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	336799	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	1928130	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	87	671966	50.0	50.0	
10 Dichlorodifluoromethane	85	4.048	4.030	0.018	98	140761	10.0	10.3	
11 Chloromethane	50	4.322	4.340	-0.018	99	121445	10.0	9.96	
17 Vinyl chloride	62	4.559	4.571	-0.012	97	95132	10.0	9.86	
149 Butadiene	54	4.577	4.595	-0.018	98	85457	10.0	9.63	
12 Bromomethane	94	5.113	5.125	-0.012	94	51854	10.0	9.34	
13 Chloroethane	64	5.253	5.252	0.001	96	60539	10.0	9.93	
19 Dichlorofluoromethane	67	5.551	5.557	-0.005	97	210388	10.0	9.94	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	166669	10.0	9.73	
20 Ethyl ether	59	5.970	5.964	0.006	96	125495	10.0	10.3	
22 Acrolein	56	6.220	6.220	0.000	99	132445	50.0	50.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	93	148946	10.0	10.4	
25 1,1-Dichloroethene	96	6.378	6.384	-0.006	93	152664	10.0	10.7	
24 Acetone	43	6.402	6.396	0.006	98	250248	50.0	50.9	
18 Iodomethane	142	6.634	6.633	0.001	100	225813	10.0	10.3	
30 Methyl acetate	43	6.774	6.773	0.001	100	602223	50.0	53.5	
27 Carbon disulfide	76	6.786	6.779	0.007	69	463340	10.0	10.5	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	87	241453	10.0	10.2	
31 Methylene Chloride	84	6.993	6.986	0.006	94	155949	10.0	10.5	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	97	156024	100.0	97.7	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	384549	10.0	10.1	
34 Acrylonitrile	53	7.285	7.272	0.013	96	544229	100.0	105.7	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	92	129541	10.0	10.7	
36 Hexane	57	7.534	7.540	-0.006	95	237037	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	590879	20.0	20.4	
40 1,1-Dichloroethane	63	7.838	7.832	0.006	96	277173	10.0	10.3	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	370725	50.0	51.2	
43 cis-1,2-Dichloroethene	96	8.538	8.531	0.007	86	137228	10.0	10.5	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	67	191774	10.0	10.5	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	64892	10.0	10.4	
51 Tetrahydrofuran	42	8.885	8.872	0.012	65	96092	20.0	20.4	
49 Chloroform	83	8.885	8.884	0.000	96	238071	10.0	10.3	
52 1,1,1-Trichloroethane	97	9.152	9.146	0.006	97	152634	10.0	9.94	
54 Cyclohexane	56	9.225	9.219	0.006	95	277203	10.0	10.1	
53 Isobutyl alcohol	43	9.298	9.292	0.006	92	166239	250.0	239.2	
56 1,1-Dichloropropene	75	9.323	9.316	0.007	90	179084	10.0	10.6	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	175024	10.0	10.2	
57 Benzene	78	9.602	9.602	0.000	97	487868	10.0	10.3	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	220469	10.0	10.3	
59 n-Heptane	43	9.718	9.718	0.000	97	252667	10.0	10.1	
62 Trichloroethene	95	10.363	10.356	0.007	94	132277	10.0	10.3	
64 Methylcyclohexane	83	10.594	10.594	0.000	98	221985	10.0	10.1	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	91	136134	10.0	9.92	
68 1,4-Dioxane	88	10.795	10.788	0.007	98	23240	200.0	214.4	
69 Dibromomethane	93	10.862	10.855	0.007	95	78451	10.0	10.4	
70 Dichlorobromomethane	83	10.996	10.995	0.001	97	169889	10.0	9.87	
71 2-Chloroethyl vinyl ether	63	11.251	11.257	-0.006	92	23701	10.0	9.34	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	196073	10.0	9.83	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	798114	50.0	54.6	
76 Toluene	92	11.975	11.975	0.000	98	328301	10.0	10.5	
77 Ethyl methacrylate	69	12.200	12.200	0.000	93	135912	10.0	9.94	
78 trans-1,3-Dichloropropene	75	12.230	12.236	-0.006	95	182446	10.0	10.1	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	88285	10.0	10.3	
80 Tetrachloroethene	166	12.717	12.717	0.000	94	130245	10.0	10.8	
83 2-Hexanone	43	12.729	12.729	0.000	99	550059	50.0	54.7	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	184962	10.0	10.6	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	91	114483	10.0	9.75	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	111939	10.0	9.97	
87 Chlorobenzene	112	13.885	13.885	0.000	94	354675	10.0	10.4	
89 Ethylbenzene	91	13.952	13.952	0.000	98	588291	10.0	10.8	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	92	121844	10.0	10.5	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	245178	10.0	10.7	
93 o-Xylene	106	14.640	14.639	0.001	97	249836	10.0	10.8	
94 Styrene	104	14.658	14.658	0.000	95	385792	10.0	10.8	
92 Bromoform	173	15.011	15.010	0.001	94	69723	10.0	9.44	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	624683	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	137566	10.0	9.53	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	75	57083	10.0	10.0	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	62	45153	10.0	10.6	
100 Bromobenzene	156	15.601	15.600	0.001	94	157633	10.0	10.4	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	717287	10.0	10.7	
103 2-Chlorotoluene	126	15.802	15.801	0.001	93	145330	10.0	10.7	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	93	537989	10.0	10.5	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	150157	10.0	10.3	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	108446	10.0	9.97	
107 1,2,4-Trimethylbenzene	105	16.300	16.306	-0.006	98	572984	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	699280	10.0	10.4	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	583764	10.0	10.5	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	296695	10.0	10.2	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	96	290097	10.0	10.3	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	543583	10.0	10.2	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	297692	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	77	29115	10.0	9.23	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	200872	10.0	9.85	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	110583	10.0	9.82	
121 Naphthalene	128	19.811	19.810	0.001	97	421943	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	96	173732	10.0	10.3	
S 125 Total BTEX	1				0			53.1	
S 126 Xylenes, Total	1				0			21.4	
S 123 1,2-Dichloroethene, Total	1				0			21.2	
S 124 1,3-Dichloropropene, Total	1				0			20.0	

Reagents:

SS 8260 CORP_00031	Amount Added: 10.00	Units: uL	
SS GAS CORP_00101	Amount Added: 10.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

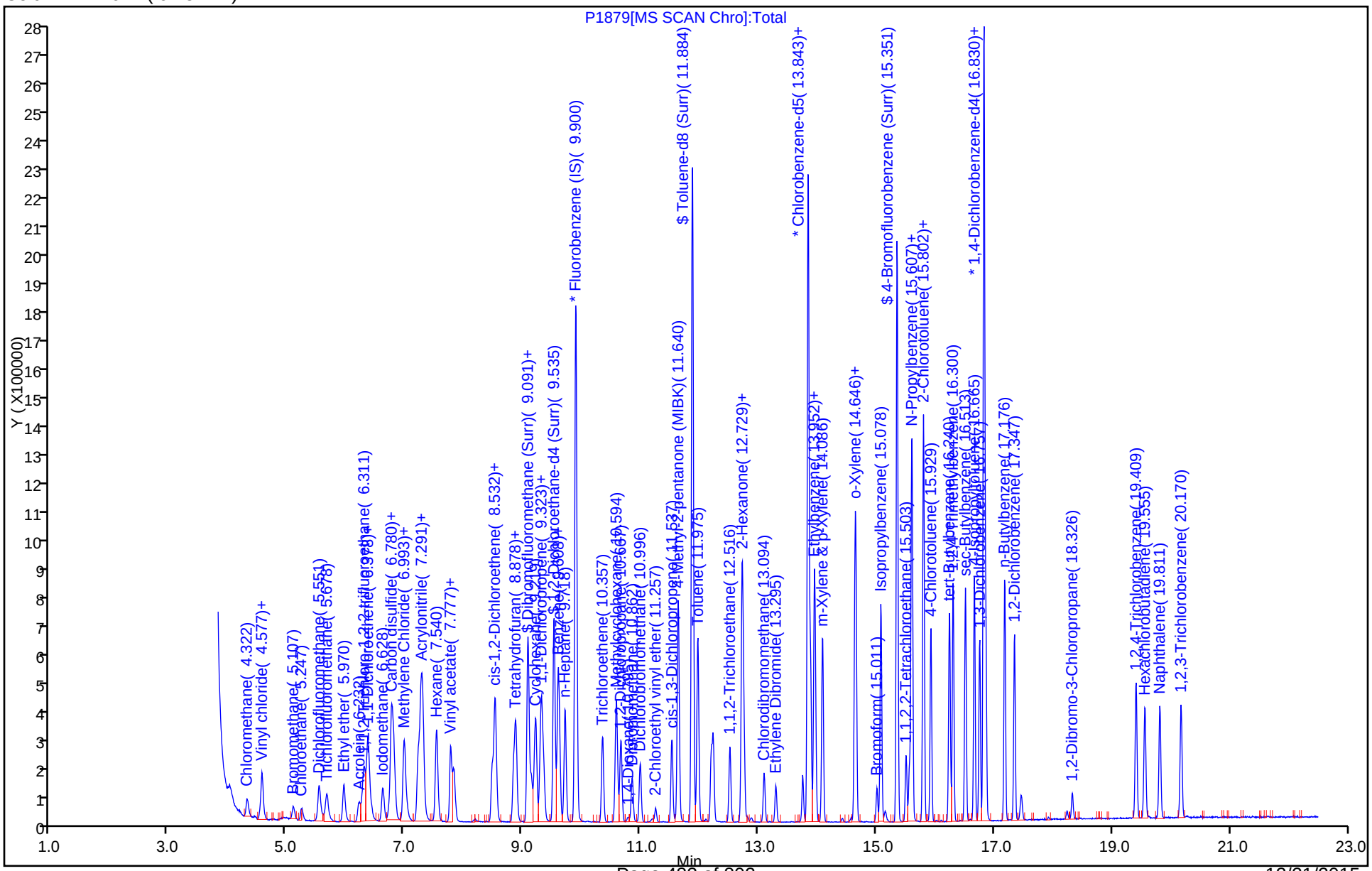
Report Date: 02-Dec-2015 14:53:46 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1879.D

Injection Date:	02-Dec-2015 02:40:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 3			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1880.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-Dec-2015 03:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0048850-006
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:47 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:30:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.901	0.000	97	432460	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	902786	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	867194	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	92	558259	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	336269	50.0	50.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.883	-0.005	93	1975749	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	691127	50.0	50.2	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	266775	20.0	19.4	
11 Chloromethane	50	4.328	4.340	-0.012	99	234305	20.0	19.0	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	198061	20.0	20.3	
149 Butadiene	54	4.577	4.595	-0.018	99	181601	20.0	20.3	
12 Bromomethane	94	5.113	5.125	-0.012	94	105372	20.0	18.8	
13 Chloroethane	64	5.247	5.252	-0.005	96	122014	20.0	19.8	
19 Dichlorofluoromethane	67	5.545	5.557	-0.011	98	425701	20.0	19.9	
14 Trichlorofluoromethane	101	5.666	5.678	-0.012	98	361193	20.0	20.9	
20 Ethyl ether	59	5.964	5.964	0.000	97	243897	20.0	19.9	
22 Acrolein	56	6.220	6.220	0.000	99	272687	100.0	103.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	300076	20.0	20.8	
25 1,1-Dichloroethene	96	6.366	6.384	-0.018	93	299303	20.0	20.7	
24 Acetone	43	6.390	6.396	-0.006	98	502128	100.0	101.3	
18 Iodomethane	142	6.628	6.633	-0.005	99	451308	20.0	20.5	
30 Methyl acetate	43	6.774	6.773	0.001	100	1176068	100.0	103.6	
27 Carbon disulfide	76	6.774	6.779	-0.005	70	921329	20.0	20.6	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	90	485591	20.0	20.3	
31 Methylene Chloride	84	6.986	6.986	0.000	94	285487	20.0	21.2	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	98	326894	200.0	203.0	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	786933	20.0	20.4	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1106998	200.0	213.1	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	93	247938	20.0	20.4	
36 Hexane	57	7.540	7.540	0.000	95	468834	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	1224211	40.0	41.9	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	540834	20.0	20.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	747635	100.0	102.3	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	86	274739	20.0	20.8	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	91	383410	20.0	20.7	
50 Chlorobromomethane	128	8.848	8.848	0.000	91	128802	20.0	20.4	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	198350	40.0	41.7	
49 Chloroform	83	8.878	8.884	-0.006	96	470088	20.0	20.2	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	317418	20.0	20.5	
54 Cyclohexane	56	9.219	9.219	0.000	96	577675	20.0	20.9	
53 Isobutyl alcohol	43	9.298	9.292	0.006	96	360484	500.0	514.1	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	92	353006	20.0	20.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	360487	20.0	20.9	
57 Benzene	78	9.602	9.602	0.000	98	980660	20.0	20.6	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	96	431428	20.0	20.0	
59 n-Heptane	43	9.718	9.718	0.000	98	534593	20.0	21.2	
62 Trichloroethene	95	10.357	10.356	0.001	94	262659	20.0	20.3	
64 Methylcyclohexane	83	10.588	10.594	-0.006	98	464347	20.0	21.0	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	282608	20.0	20.4	
68 1,4-Dioxane	88	10.789	10.788	0.001	96	43535	400.0	392.5	
69 Dibromomethane	93	10.856	10.855	0.001	97	157735	20.0	20.6	
70 Dichlorobromomethane	83	10.996	10.995	0.001	98	350084	20.0	20.2	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	93	52353	20.0	20.5	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	409549	20.0	20.4	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	1625869	100.0	108.7	
76 Toluene	92	11.969	11.975	-0.006	98	655266	20.0	20.4	
77 Ethyl methacrylate	69	12.200	12.200	0.000	94	288243	20.0	20.6	
78 trans-1,3-Dichloropropene	75	12.231	12.236	-0.005	95	377601	20.0	20.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	178791	20.0	20.3	
80 Tetrachloroethene	166	12.717	12.717	0.000	93	257020	20.0	20.9	
83 2-Hexanone	43	12.729	12.729	0.000	99	1129699	100.0	109.7	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	373420	20.0	20.9	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	90	247244	20.0	20.6	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	233012	20.0	20.3	
87 Chlorobenzene	112	13.885	13.885	0.000	93	709939	20.0	20.3	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	1166734	20.0	21.0	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	92	245801	20.0	20.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	488408	20.0	20.7	
93 o-Xylene	106	14.640	14.639	0.001	97	492743	20.0	20.8	
94 Styrene	104	14.658	14.658	0.000	95	789728	20.0	21.5	
92 Bromoform	173	15.011	15.010	0.001	96	153462	20.0	20.3	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	1263902	20.0	20.6	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	283770	20.0	19.5	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	81	111425	20.0	19.4	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	76	89137	20.0	20.8	
100 Bromobenzene	156	15.595	15.600	-0.005	95	313514	20.0	20.6	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	1436816	20.0	21.2	
103 2-Chlorotoluene	126	15.796	15.801	-0.005	94	284664	20.0	20.8	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	94	1087545	20.0	21.0	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	302217	20.0	20.6	
106 tert-Butylbenzene	134	16.240	16.245	-0.005	94	221402	20.0	20.2	
107 1,2,4-Trimethylbenzene	105	16.307	16.306	0.001	97	1148548	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	1428657	20.0	21.1	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1180947	20.0	21.0	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	599729	20.0	20.5	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	94	564625	20.0	20.0	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1103902	20.0	20.6	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	595016	20.0	20.4	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	78	62342	20.0	19.6	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	411815	20.0	20.1	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	241420	20.0	21.2	
121 Naphthalene	128	19.811	19.810	0.001	98	887045	20.0	21.3	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	95	357819	20.0	21.0	
S 125 Total BTEX	1				0			103.5	
S 126 Xylenes, Total	1				0			41.5	
S 123 1,2-Dichloroethene, Total	1				0			41.2	
S 124 1,3-Dichloropropene, Total	1				0			40.9	

Reagents:

SS 8260 CORP_00031	Amount Added: 10.00	Units: uL	
SS GAS CORP_00101	Amount Added: 10.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

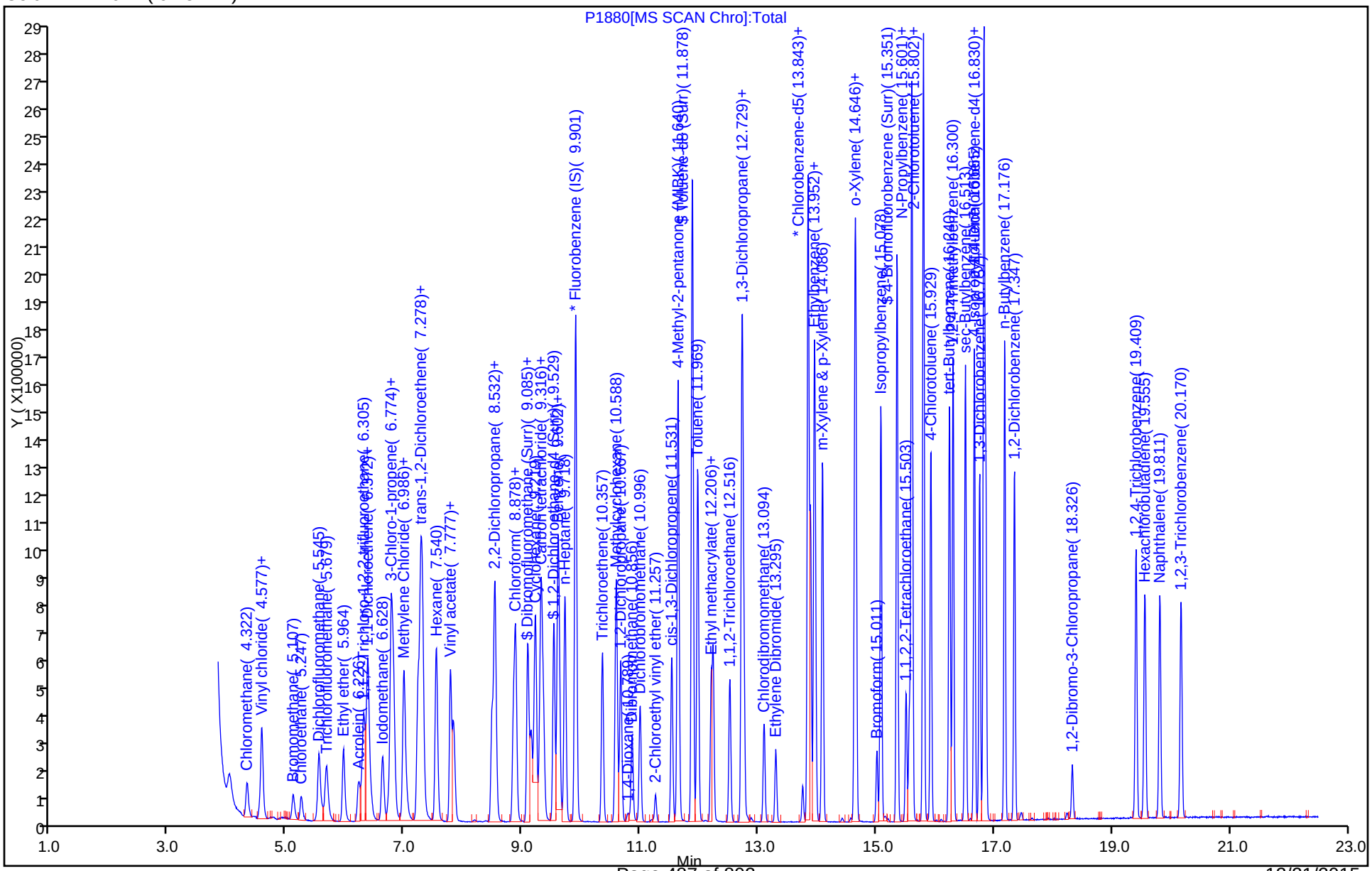
Report Date: 02-Dec-2015 14:53:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1880.D

Injection Date:	02-Dec-2015 03:07:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1881.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 02-Dec-2015 03:34:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0048850-007
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:50 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 14:52:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	450081	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	88	946915	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.829	0.000	96	877240	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	577992	50.0	50.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	350338	50.0	50.4	
$ 5 Toluene-d8 (Surr)	98	11.883	11.883	0.000	93	2070809	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	719452	50.0	49.9	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	751267	50.0	52.5	
11 Chloromethane	50	4.340	4.340	0.000	98	640659	50.0	50.0	
17 Vinyl chloride	62	4.571	4.571	0.000	97	532248	50.0	52.5	
149 Butadiene	54	4.595	4.595	0.000	97	512902	50.0	55.1	
12 Bromomethane	94	5.125	5.125	0.000	94	322013	50.0	55.2	
13 Chloroethane	64	5.252	5.252	0.000	96	338880	50.0	52.9	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	1197026	50.0	53.8	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	977224	50.0	54.3	
20 Ethyl ether	59	5.964	5.964	0.000	97	638081	50.0	50.1	
22 Acrolein	56	6.220	6.220	0.000	97	669511	250.0	244.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	749900	50.0	50.0	
25 1,1-Dichloroethene	96	6.384	6.384	0.000	93	734097	50.0	48.9	
24 Acetone	43	6.396	6.396	0.000	98	1195016	250.0	231.7	
18 Iodomethane	142	6.633	6.633	0.000	99	1150300	50.0	50.2	
30 Methyl acetate	43	6.773	6.773	0.000	100	2829604	250.0	239.4	
27 Carbon disulfide	76	6.779	6.779	0.000	99	2353408	50.0	50.6	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	91	1276565	50.0	51.4	
31 Methylene Chloride	84	6.986	6.986	0.000	94	707575	50.0	54.2	
33 2-Methyl-2-propanol	59	7.010	7.010	0.000	98	807943	500.0	482.0	
32 Methyl tert-butyl ether	73	7.229	7.229	0.000	99	2022584	50.0	50.5	
34 Acrylonitrile	53	7.272	7.272	0.000	96	2598097	500.0	480.6	
35 trans-1,2-Dichloroethene	96	7.302	7.302	0.000	92	623705	50.0	49.2	
36 Hexane	57	7.540	7.540	0.000	95	1213710	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	3159855	100.0	104.0	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	1407760	50.0	50.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1830276	250.0	240.6	
43 cis-1,2-Dichloroethene	96	8.531	8.531	0.000	87	684791	50.0	49.8	
45 2,2-Dichloropropane	77	8.537	8.537	0.000	91	970992	50.0	50.4	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	328381	50.0	49.9	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	470414	100.0	95.0	
49 Chloroform	83	8.884	8.884	0.000	96	1200707	50.0	49.5	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	866902	50.0	53.8	
54 Cyclohexane	56	9.219	9.219	0.000	95	1489459	50.0	51.8	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	924260	1250.0	1266.4	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	902074	50.0	50.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	944831	50.0	52.6	
57 Benzene	78	9.602	9.602	0.000	98	2505618	50.0	50.5	
60 1,2-Dichloroethane	62	9.626	9.626	0.000	96	1102562	50.0	49.2	
59 n-Heptane	43	9.718	9.718	0.000	97	1367554	50.0	52.1	
62 Trichloroethene	95	10.356	10.356	0.000	94	679746	50.0	50.6	
64 Methylcyclohexane	83	10.594	10.594	0.000	98	1208237	50.0	52.5	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	725356	50.0	50.3	
68 1,4-Dioxane	88	10.788	10.788	0.000	98	114160	1000.0	981.3	
69 Dibromomethane	93	10.855	10.855	0.000	96	401912	50.0	50.6	
70 Dichlorobromomethane	83	10.995	10.995	0.000	97	932738	50.0	51.6	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	141034	50.0	53.0	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	1090213	50.0	52.1	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	3883404	250.0	247.5	
76 Toluene	92	11.975	11.975	0.000	97	1637947	50.0	48.7	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	767226	50.0	52.3	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	94	995060	50.0	51.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	461627	50.0	50.1	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	636642	50.0	49.3	
83 2-Hexanone	43	12.729	12.729	0.000	97	2598359	250.0	240.6	
82 1,3-Dichloropropane	76	12.753	12.753	0.000	98	902141	50.0	48.2	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	668166	50.0	53.0	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	598886	50.0	49.7	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1822657	50.0	49.7	
89 Ethylbenzene	91	13.952	13.952	0.000	98	2944462	50.0	50.5	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	93	631599	50.0	50.8	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	1229516	50.0	49.8	
93 o-Xylene	106	14.639	14.639	0.000	98	1224072	50.0	49.2	
94 Styrene	104	14.658	14.658	0.000	95	1952043	50.0	50.7	
92 Bromoform	173	15.010	15.010	0.000	96	420978	50.0	53.1	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	3246518	50.0	52.2	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	96	718058	50.0	48.8	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	83	289628	50.0	49.8	
101 1,2,3-Trichloropropane	110	15.594	15.594	0.000	66	204173	50.0	47.1	
100 Bromobenzene	156	15.600	15.600	0.000	94	746820	50.0	48.5	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	3480300	50.0	50.8	
103 2-Chlorotoluene	126	15.801	15.801	0.000	94	680515	50.0	49.2	
102 1,3,5-Trimethylbenzene	105	15.807	15.807	0.000	94	2641336	50.0	50.4	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	740542	50.0	50.0	
106 tert-Butylbenzene	134	16.245	16.245	0.000	94	566104	50.0	51.1	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	98	2826758	50.0	50.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	3593165	50.0	52.5	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2946288	50.0	51.9	
110 1,3-Dichlorobenzene	146	16.756	16.756	0.000	96	1463874	50.0	49.5	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1391732	50.0	48.6	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2816046	50.0	52.1	
116 1,2-Dichlorobenzene	146	17.346	17.346	0.000	95	1472890	50.0	49.8	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	157761	50.0	49.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	1065814	50.0	51.3	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	624508	50.0	52.8	
121 Naphthalene	128	19.810	19.810	0.000	97	2243480	50.0	51.8	
122 1,2,3-Trichlorobenzene	180	20.175	20.175	0.000	95	921362	50.0	52.0	

Reagents:

SS 8260 CORP_00031	Amount Added: 25.00	Units: uL	
SS GAS CORP_00101	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

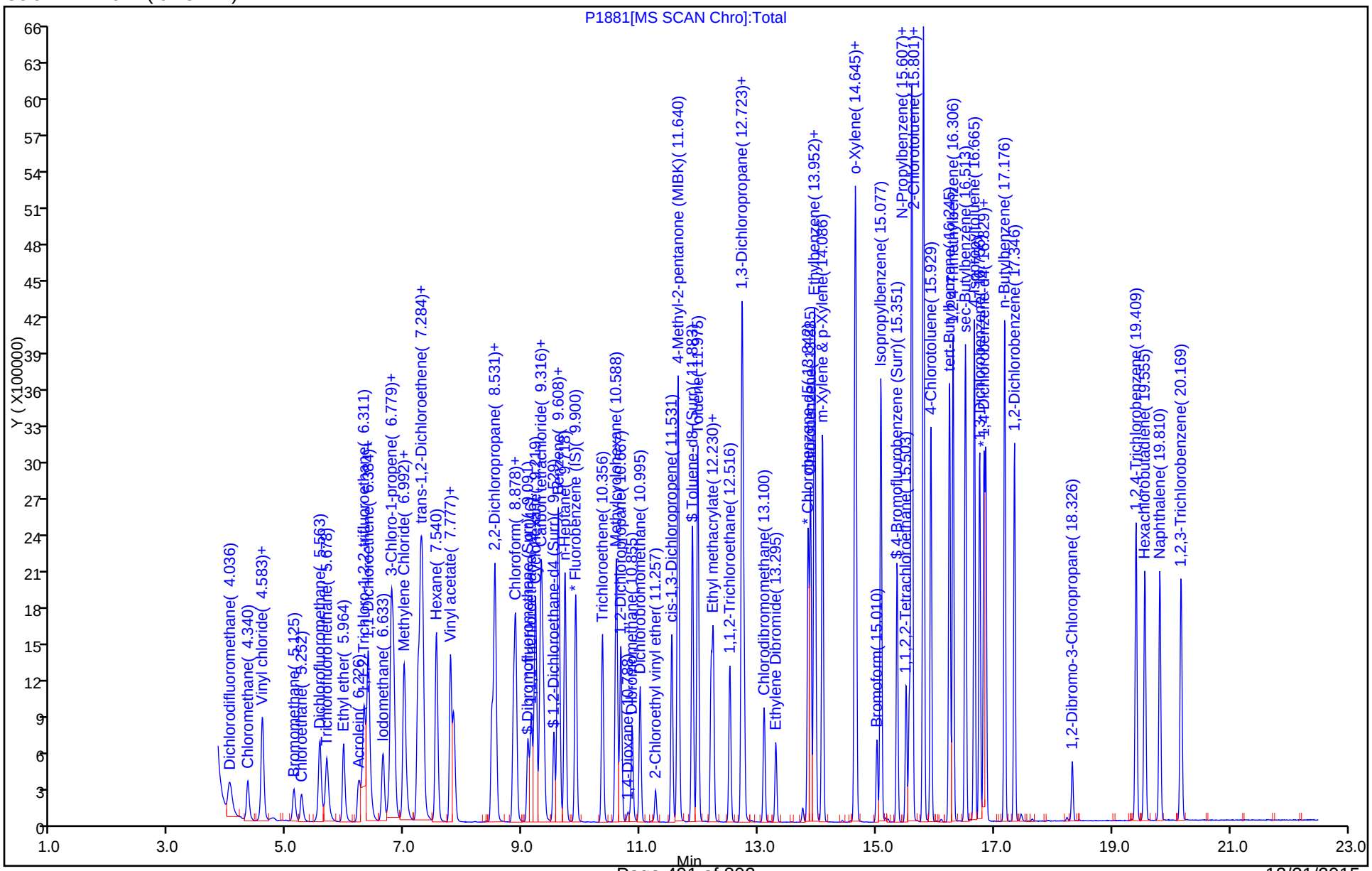
Report Date: 02-Dec-2015 14:53:51 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1881.D

Injection Date:	02-Dec-2015 03:34:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	ICIS 5			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1882.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 02-Dec-2015 04:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0048850-008
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:52 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:36:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	461345	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	88	953437	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.829	0.001	96	845810	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	93	580768	50.0	49.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	349287	50.0	49.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	2128916	50.0	51.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	94	728902	50.0	50.2	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	98	1391626	100.0	94.9	
11 Chloromethane	50	4.346	4.340	0.006	99	1306225	100.0	99.5	
17 Vinyl chloride	62	4.571	4.571	0.000	98	1029790	100.0	99.1	
149 Butadiene	54	4.596	4.595	0.001	97	990694	100.0	103.8	
12 Bromomethane	94	5.125	5.125	0.000	93	576851	100.0	96.5	
13 Chloroethane	64	5.253	5.252	0.001	96	641783	100.0	97.8	
19 Dichlorofluoromethane	67	5.557	5.557	0.001	98	2109082	100.0	92.6	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	99	1828102	100.0	99.2	
20 Ethyl ether	59	5.958	5.964	-0.006	97	1233920	100.0	94.5	
22 Acrolein	56	6.220	6.220	0.000	98	1359152	500.0	484.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	95	1345486	100.0	87.5	
25 1,1-Dichloroethene	96	6.378	6.384	-0.006	93	1298533	100.0	84.4	
24 Acetone	43	6.396	6.396	0.000	98	2391171	500.0	452.3	
18 Iodomethane	142	6.634	6.633	0.001	99	2186222	100.0	93.0	
30 Methyl acetate	43	6.767	6.773	-0.006	100	5549839	500.0	458.2	
27 Carbon disulfide	76	6.780	6.779	0.001	100	4303741	100.0	90.3	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	89	2386889	100.0	93.7	
31 Methylene Chloride	84	6.986	6.986	0.000	94	1338437	100.0	102.1	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	98	1734302	1000.0	1009.4	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	3872834	100.0	94.3	
34 Acrylonitrile	53	7.272	7.272	0.000	96	5059445	1000.0	913.0	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	92	1122958	100.0	86.5	
36 Hexane	57	7.534	7.540	-0.006	95	2162440	100.0	85.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	6106654	200.0	196.0	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	2631452	100.0	91.2	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	97	3732870	500.0	478.7	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	87	1247242	100.0	88.5	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	91	1781452	100.0	90.2	
50 Chlorobromomethane	128	8.842	8.848	-0.006	90	618301	100.0	91.7	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	935032	200.0	184.2	
49 Chloroform	83	8.884	8.884	0.000	96	2235524	100.0	90.0	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	1704930	100.0	103.2	
54 Cyclohexane	56	9.219	9.219	0.000	95	2722424	100.0	92.4	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	1922502	2500.0	2569.9	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	1616833	100.0	88.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	1741387	100.0	94.6	
57 Benzene	78	9.596	9.602	-0.006	98	4574506	100.0	89.9	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	2055153	100.0	89.5	
59 n-Heptane	43	9.718	9.718	0.000	97	2361153	100.0	87.8	
62 Trichloroethene	95	10.351	10.356	-0.005	94	1262465	100.0	91.6	
64 Methylcyclohexane	83	10.588	10.594	-0.006	98	2170576	100.0	92.0	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	1374223	100.0	93.0	
68 1,4-Dioxane	88	10.789	10.788	0.001	98	240298	2000.0	2051.4	
69 Dibromomethane	93	10.856	10.855	0.001	96	767647	100.0	94.2	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	1795135	100.0	96.9	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	289898	100.0	106.2	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	2150281	100.0	100.2	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	98	7324828	500.0	463.7	
76 Toluene	92	11.975	11.975	0.000	98	2898854	100.0	85.6	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	1538750	100.0	104.1	
78 trans-1,3-Dichloropropene	75	12.237	12.236	0.001	97	1914261	100.0	98.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	896787	100.0	96.6	
80 Tetrachloroethene	166	12.717	12.717	0.000	91	1093550	100.0	84.1	
83 2-Hexanone	43	12.729	12.729	0.000	97	4973594	500.0	457.4	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	95	1675605	100.0	89.0	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	1311146	100.0	103.3	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	1188674	100.0	98.0	
87 Chlorobenzene	112	13.885	13.885	0.000	92	3375463	100.0	91.5	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	5112021	100.0	87.1	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	93	1140742	100.0	91.1	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	2220991	100.0	89.3	
93 o-Xylene	106	14.640	14.639	0.001	97	2204490	100.0	88.1	
94 Styrene	104	14.658	14.658	0.000	93	3454683	100.0	89.1	
92 Bromoform	173	15.011	15.010	0.001	96	868649	100.0	108.8	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	5709308	100.0	95.2	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	96	1463968	100.0	103.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	86	609275	100.0	108.6	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	71	377539	100.0	90.3	
100 Bromobenzene	156	15.595	15.600	-0.005	94	1296137	100.0	87.2	
99 N-Propylbenzene	91	15.613	15.607	0.006	98	5788797	100.0	87.6	
103 2-Chlorotoluene	126	15.802	15.801	0.001	94	1155334	100.0	86.6	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	93	4533346	100.0	89.8	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	1318910	100.0	92.3	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	1008252	100.0	94.4	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	98	4986518	100.0	93.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	96	6134856	100.0	93.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	5076420	100.0	92.8	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	96	2563021	100.0	89.9	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	2461210	100.0	89.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	97	4904216	100.0	94.0	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	2662738	100.0	93.5	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	90	338020	100.0	109.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	1966513	100.0	98.2	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	97	1081963	100.0	89.3	
121 Naphthalene	128	19.811	19.810	0.001	98	4444863	100.0	100.1	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	95	1729736	100.0	95.2	
S 125 Total BTEX	1				0			440.0	
S 126 Xylenes, Total	1				0			177.3	
S 123 1,2-Dichloroethene, Total	1				0			175.0	
S 124 1,3-Dichloropropene, Total	1				0			198.7	

Reagents:

SS 8260 CORP_00031	Amount Added:	50.00	Units: uL	
SS GAS CORP_00101	Amount Added:	50.00	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

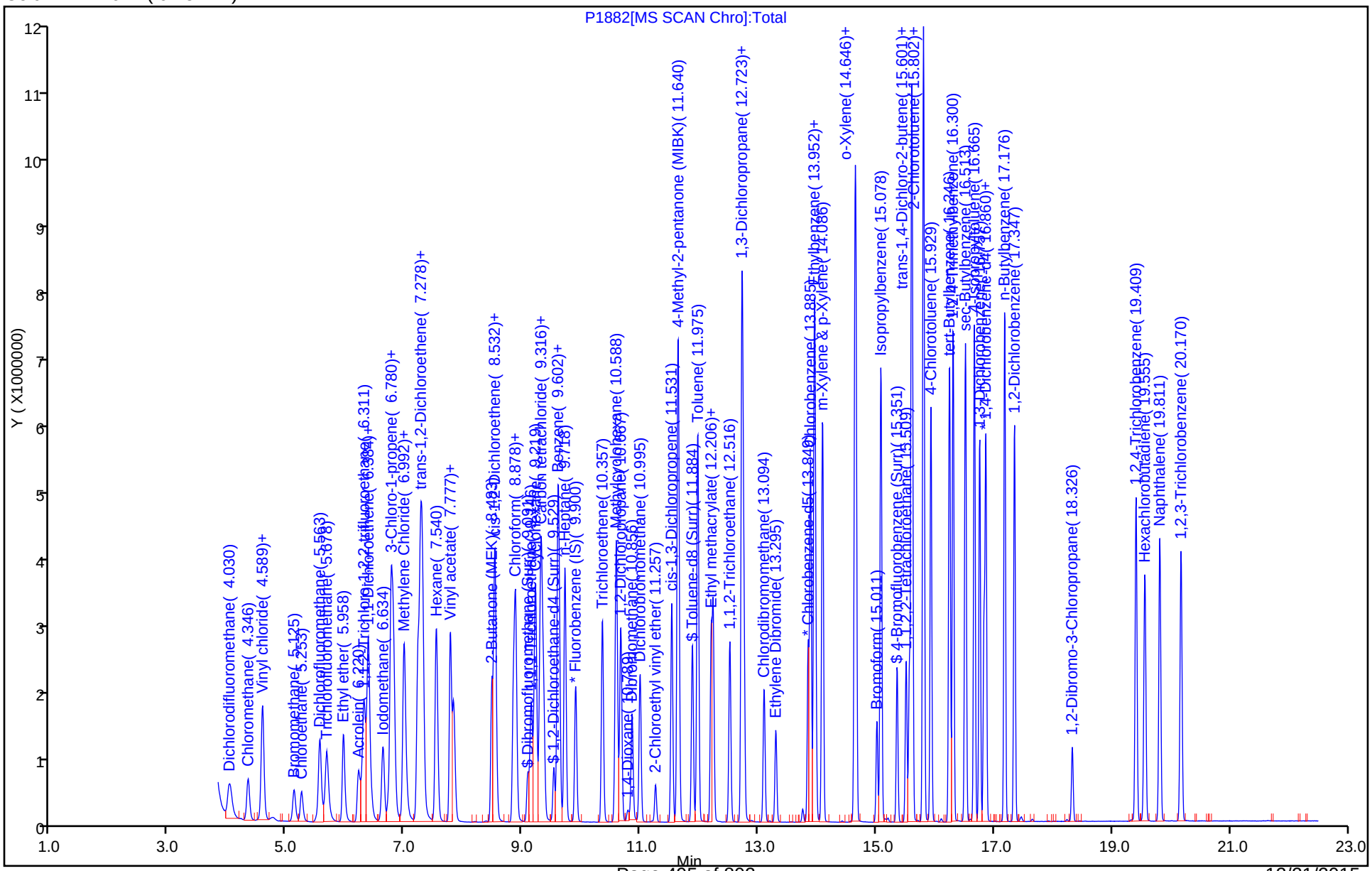
Report Date: 02-Dec-2015 14:53:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1882.D

Injection Date:	02-Dec-2015 04:01:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 6			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1883.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 02-Dec-2015 04:29:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0048850-009
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:55 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:37:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	487744	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	88	1006561	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.829	0.000	97	777024	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	93	599377	50.0	48.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	361212	50.0	47.9	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	2190016	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	760380	50.0	49.6	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	2466470	200.0	159.1	
11 Chloromethane	50	4.358	4.340	0.018	99	2652537	200.0	191.1	
17 Vinyl chloride	62	4.583	4.571	0.012	98	1918595	200.0	174.7	
149 Butadiene	54	4.602	4.595	0.007	96	1899309	200.0	188.2	
12 Bromomethane	94	5.137	5.125	0.012	94	1296852	200.0	205.2	
13 Chloroethane	64	5.259	5.252	0.007	96	1351984	200.0	194.9	
19 Dichlorofluoromethane	67	5.569	5.557	0.013	98	4185863	200.0	173.7	
14 Trichlorofluoromethane	101	5.672	5.678	-0.006	98	3359485	200.0	172.4	
20 Ethyl ether	59	5.958	5.964	-0.006	97	2511239	200.0	181.9	
22 Acrolein	56	6.220	6.220	0.000	99	2715328	1000.0	916.0	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	95	2413978	200.0	148.5	
25 1,1-Dichloroethene	96	6.384	6.384	0.000	93	2320039	200.0	142.6	
24 Acetone	43	6.396	6.396	0.000	97	4780526	1000.0	855.3	
18 Iodomethane	142	6.640	6.633	0.007	100	4216773	200.0	169.7	
30 Methyl acetate	43	6.767	6.773	-0.006	99	10025752	1000.0	782.9	
27 Carbon disulfide	76	6.786	6.779	0.007	100	8012304	200.0	158.9	
28 3-Chloro-1-propene	41	6.816	6.810	0.006	89	4528706	200.0	168.1	
31 Methylene Chloride	84	6.992	6.986	0.006	94	2634503	200.0	192.4	
33 2-Methyl-2-propanol	59	7.005	7.010	-0.005	99	3597825	2000.0	1980.7	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	7580384	200.0	174.6	
34 Acrylonitrile	53	7.278	7.272	0.006	96	9143948	2000.0	1560.8	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	91	2065851	200.0	150.4	
36 Hexane	57	7.540	7.540	0.000	95	4118004	200.0	153.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	98	10855419	400.0	329.6	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	5283257	200.0	173.1	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	7235939	1000.0	877.7	
43 cis-1,2-Dichloroethene	96	8.531	8.531	0.000	87	2391267	200.0	160.6	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	91	3320184	200.0	159.1	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	1191943	200.0	167.3	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	1771423	400.0	330.0	
49 Chloroform	83	8.884	8.884	0.000	96	4313031	200.0	164.2	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	3461521	200.0	198.2	
54 Cyclohexane	56	9.219	9.219	0.000	95	4993164	200.0	160.3	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	3783496	5000.0	4783.8	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	2936606	200.0	152.4	
55 Carbon tetrachloride	117	9.359	9.353	0.006	96	3191098	200.0	163.9	
57 Benzene	78	9.602	9.602	0.000	97	8347272	200.0	155.2	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	3994775	200.0	164.5	
59 n-Heptane	43	9.724	9.718	0.006	97	4441800	200.0	156.2	
62 Trichloroethene	95	10.357	10.356	0.001	95	2475269	200.0	170.0	
64 Methylcyclohexane	83	10.594	10.594	0.000	99	4082400	200.0	163.6	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	93	2730266	200.0	174.9	
68 1,4-Dioxane	88	10.789	10.788	0.000	98	487484	4000.0	3941.9	
69 Dibromomethane	93	10.855	10.855	0.000	96	1493729	200.0	173.4	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	3593055	200.0	183.4	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	652897	200.0	226.2	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	4292390	200.0	189.1	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	91	11586502	1000.0	694.8	
76 Toluene	92	11.975	11.975	0.000	95	5371665	200.0	150.3	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	3032737	200.0	194.4	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	99	3728373	200.0	181.7	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	1773791	200.0	181.0	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	1939868	200.0	141.3	
83 2-Hexanone	43	12.729	12.729	0.000	95	7978354	1000.0	695.0	
82 1,3-Dichloropropane	76	12.760	12.753	0.007	98	3008973	200.0	151.4	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	2598319	200.0	193.9	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	2366219	200.0	184.7	
87 Chlorobenzene	112	13.885	13.885	0.000	90	6165880	200.0	158.3	
89 Ethylbenzene	91	13.952	13.952	0.000	98	8318263	200.0	134.3	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	92	2069800	200.0	156.6	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	97	3993372	200.0	152.1	
93 o-Xylene	106	14.639	14.639	0.000	95	3963472	200.0	150.0	
94 Styrene	104	14.658	14.658	0.000	91	5914374	200.0	144.5	
92 Bromoform	173	15.011	15.010	0.000	96	1746123	200.0	207.1	
95 Isopropylbenzene	105	15.077	15.077	0.000	98	9151719	200.0	166.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	2902871	200.0	222.8	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	91	1169187	200.0	226.8	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	77	643287	200.0	167.5	
100 Bromobenzene	156	15.601	15.600	0.001	94	2229390	200.0	163.3	
99 N-Propylbenzene	91	15.613	15.607	0.006	97	8732356	200.0	143.8	
103 2-Chlorotoluene	126	15.801	15.801	0.000	95	1963082	200.0	160.2	
102 1,3,5-Trimethylbenzene	105	15.807	15.807	0.000	95	7240064	200.0	156.1	
105 4-Chlorotoluene	126	15.929	15.929	0.000	98	2309764	200.0	175.9	
106 tert-Butylbenzene	134	16.245	16.245	0.000	92	1793630	200.0	182.7	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	97	7865294	200.0	159.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	97	9333242	200.0	154.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	93	7923716	200.0	157.6	
110 1,3-Dichlorobenzene	146	16.756	16.756	0.000	95	4387287	200.0	167.6	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	90	4186920	200.0	165.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	93	7777306	200.0	162.3	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	96	4572471	200.0	174.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	673831	200.0	236.5	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	3424086	200.0	186.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	96	1949835	200.0	152.1	
121 Naphthalene	128	19.810	19.810	0.000	98	7575191	200.0	161.4	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	94	3040825	200.0	158.3	
S 125 Total BTEX	1				0			741.7	
S 126 Xylenes, Total	1				0			302.0	
S 123 1,2-Dichloroethene, Total	1				0			311.0	
S 124 1,3-Dichloropropene, Total	1				0			370.8	

Reagents:

SS 8260 CORP_00031	Amount Added: 100.00	Units: uL	
SS GAS CORP_00101	Amount Added: 100.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

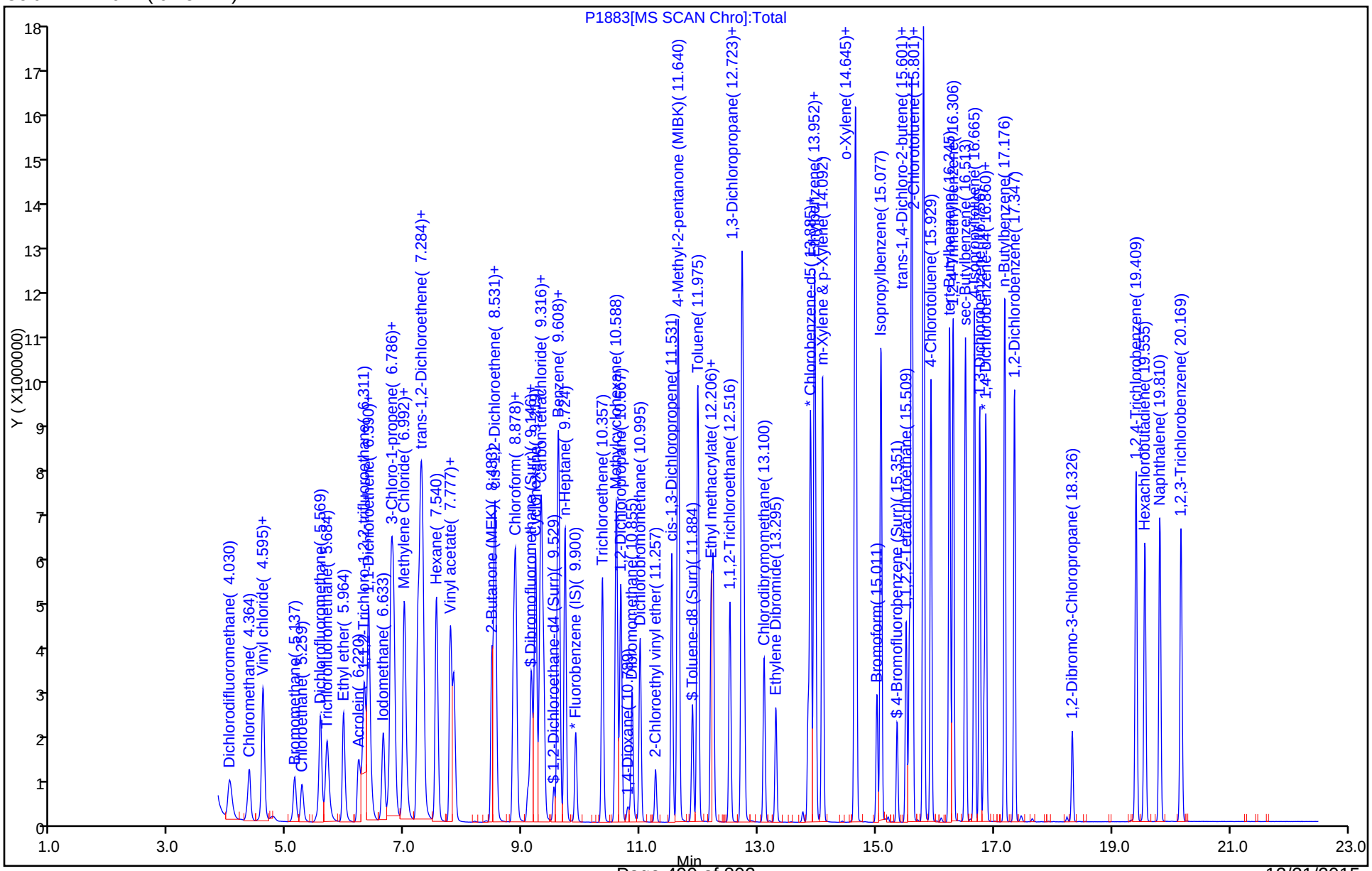
Report Date: 02-Dec-2015 14:53:56 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1883.D

Injection Date:	02-Dec-2015 04:29:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 7			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.3308	1.2228 1.3281	1.4173	1.2277	1.1873	Ave		1.2857			0.1000	6.8		20.0			
Chloromethane	2.6961 2.4460	2.4219 2.4662	2.5310	2.3741	2.3572	Ave		2.4704			0.1000	4.7		20.0			
Vinyl chloride	+++++ 1.3481	1.3310 1.3920	1.3940	1.2340	1.2716	Ave		1.3284			0.1000	4.9		20.0			
Butadiene	1.5549 1.5384	1.9251 1.6681	1.6908	1.4393	1.4325	Ave		1.6070				10.7		20.0			
Bromomethane	+++++ 0.3967	0.4565 0.4243	0.3830	0.3936	0.3829	Ave		0.4062			0.1000	7.1		20.0			
Chloroethane	0.7687 0.5370	0.9305 0.5802	0.5734	0.5220	0.5063	Lin1	0.1636	0.5524			0.1000				0.9960		0.9900
Dichlorofluoromethane	1.3977 1.4819	1.1522 1.5223	1.4956	1.4367	1.4342	Ave		1.4172				8.8		20.0			
Trichlorofluoromethane	+++++ 1.2589	1.0880 1.2913	1.2539	1.0953	1.1737	Ave		1.1935			0.1000	7.4		20.0			
Ethyl ether	1.2557 1.4184	1.6013 1.4768	1.4571	1.4603	1.4312	Ave		1.4430				7.1		20.0			
Acrolein	+++++ 0.2852	0.2816 0.2989	0.2634	0.2678	0.2770	Ave		0.2790				4.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0173	0.9454 1.0421	1.0630	0.9781	0.9164	Ave		0.9937			0.1000	5.7		20.0			
1,1-Dichloroethene	+++++ 1.1287	1.0839 1.1598	1.2015	1.0921	1.0797	Ave		1.1243			0.1000	4.3		20.0			
Acetone	0.4633 0.4612	0.5130 0.4696	0.4375	0.4517	0.4611	Ave		0.4654			0.1000	5.0		20.0			
Iodomethane	+++++ 1.2304	1.3831 1.4343	1.1310	1.1859	1.2009	Ave		1.2609				9.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.0021 3.1786	3.5312 3.3572	3.3393	3.0658	3.1305	Ave		3.2292			0.1000	5.8		20.0			
Allyl chloride	2.0519 2.2637	2.7757 2.2696	2.3594	2.3039	2.2676	Ave		2.3274				9.4		20.0			
Methyl acetate	0.9908 1.2368	1.2558 1.2704	1.1773	1.2300	1.2374	Ave		1.1998			0.1000	8.1		20.0			
Methylene Chloride	+++++ 1.1081	1.8483 1.1526	1.3217	1.2482	1.1598	Lin1	0.7692	1.1308			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1370	0.1178 0.1509	0.1025	0.1112	0.1246	Ave		0.1240				14.2		20.0			
Methyl tert-butyl ether	+++++ 3.2064	3.4175 3.2628	3.1983	3.2748	3.2215	Ave		3.2635			0.1000	2.5		20.0			
trans-1,2-Dichloroethene	+++++ 1.1279	1.2450 1.1421	1.1731	1.1286	1.1478	Ave		1.1607			0.1000	3.8		20.0			
Acrylonitrile	0.5377 0.6585	0.6704 0.6749	0.6425	0.6589	0.6638	Ave		0.6438				7.4		20.0			
Hexane	2.4329 2.6765	2.7773 2.7037	2.8705	2.4459	2.4056	Ave		2.6161				7.1		20.0			
1,1-Dichloroethane	2.2567 2.4619	2.8101 2.5186	2.6497	2.4995	2.4710	Ave		2.5239			0.2000	6.8		20.0			
Vinyl acetate	+++++ 3.4563	2.7944 3.6713	2.7773	2.9332	3.2066	Ave		3.1399				11.7		20.0			
2,2-Dichloropropane	+++++ 0.8991	0.8034 0.9214	0.9584	0.9015	0.9008	Ave		0.8974				5.7		20.0			
cis-1,2-Dichloroethene	+++++ 1.2344	1.3411 1.2426	1.2719	1.2860	1.2513	Ave		1.2712			0.1000	3.1		20.0			
2-Butanone (MEK)	+++++ 0.7538	0.7221 0.7932	0.6912	0.7274	0.7381	Ave		0.7376			0.1000	4.6		20.0			
Chlorobromomethane	0.6513 0.6512	0.6583 0.6508	0.6793	0.6507	0.6677	Ave		0.6585				1.7		20.0			
Tetrahydrofuran	+++++ 0.5425	0.6431 0.5686	0.5059	0.5341	0.5368	Ave		0.5552				8.6		20.0			
Chloroform	1.8471 1.8870	2.0843 1.9269	1.9642	1.9383	1.9346	Ave		1.9403			0.2000	3.8		20.0			
1,1,1-Trichloroethane	1.3854 1.4015	1.3909 1.4632	1.4266	1.3535	1.3322	Ave		1.3933			0.1000	3.1		20.0			
Cyclohexane	+++++ 2.9362	3.3099 3.1667	3.0763	2.7890	2.7359	Ave		3.0023			0.1000	7.4		20.0			
Carbon tetrachloride	+++++ 1.3431	1.3284 1.4158	1.2384	1.1969	1.2273	Ave		1.2917			0.1000	6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.5293 1.5521	1.6623 1.5684	1.6602	1.5477	1.5337	Ave		1.5791				3.6		20.0			
Benzene	4.3031 4.4027	4.6741 4.3079	4.7423	4.5450	4.4926	Ave		4.4954			0.5000	3.8		20.0			
Isobutyl alcohol	+++++ 0.0713	0.0602 0.0784	0.0492	0.0542	0.0625	Ave		0.0626				17.2		20.0			
1,2-Dichloroethane	2.1750 1.9281	2.2132 1.9484	1.9832	2.0437	1.9787	Ave		2.0386			0.1000	5.5		20.0			
n-Heptane	+++++ 2.7515	2.8798 2.7471	2.9053	2.4863	2.5075	Ave		2.7129				6.6		20.0			
Trichloroethene	1.1431 1.1633	1.3312 1.1866	1.1687	1.1359	1.1676	Ave		1.1852			0.2000	5.6		20.0			
Methylcyclohexane	1.9605 2.0573	2.0750 2.1021	2.1814	1.8383	1.8607	Ave		2.0108			0.1000	6.4		20.0			
1,2-Dichloropropane	+++++ 1.3827	1.4493 1.4215	1.3586	1.3873	1.3762	Ave		1.3959			0.1000	2.4		20.0			
Dibromomethane	+++++ 0.6288	0.6806 0.6364	0.5967	0.6762	0.6463	Ave		0.6442			0.1000	4.9		20.0			
1,4-Dioxane	+++++ 0.0055	0.0056 0.0056	0.0044	0.0049	0.0053	Ave		0.0052				8.7		20.0			
Bromodichloromethane	+++++ 1.3421	1.1376 1.4133	1.1292	1.1655	1.2275	Ave		1.2359			0.2000	9.5		20.0			
2-Chloroethyl vinyl ether	+++++ 0.9409	0.8905 0.9823	0.8761	0.8951	0.9280	Ave		0.9188				4.3		20.0			
cis-1,3-Dichloropropene	+++++ 1.8316	1.7174 1.8873	1.5729	1.6933	1.7960	Ave		1.7498			0.2000	6.4		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.7200	0.6321 0.7399	0.6410	0.6842	0.7001	Ave		0.6862			0.1000	6.3		20.0			
Toluene	+++++ 1.3227	1.3854 1.3496	1.4058	1.3512	1.3200	Ave		1.3558			0.4000	2.5		20.0			
trans-1,3-Dichloropropene	+++++ 0.7498	0.6215 0.7897	0.6432	0.6670	0.7035	Ave		0.6958			0.1000	9.3		20.0			
Ethyl methacrylate	+++++ 0.6229	0.4789 0.6646	0.4843	0.5515	0.5808	Ave		0.5638				13.2		20.0			
1,1,2-Trichloroethane	+++++ 0.3624	0.4178 0.3699	0.3615	0.3755	0.3634	Ave		0.3751			0.1000	5.8		20.0			
Tetrachloroethene	+++++ 0.6448	0.6666 0.6522	0.6971	0.6366	0.6225	Ave		0.6533			0.2000	4.0		20.0			
1,3-Dichloropropane	+++++ 0.7889	0.8341 0.8088	0.8029	0.8288	0.7961	Ave		0.8099				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.5065	0.3792 0.5249	0.4303	0.4632	0.4880	Ave		0.4654			0.1000	11.5		20.0			
Dibromochloromethane	+++++ 0.4560	0.3430 0.5187	0.3332	0.3817	0.4113	Ave		0.4073			0.1000	17.4		20.0			
1,2-Dibromoethane	0.4283 0.4647	0.3412 0.4813	0.4580	0.4651	0.4667	Ave		0.4436				10.8		20.0			
Chlorobenzene	1.5673 1.5489	1.6013 1.5627	1.6289	1.6149	1.5525	Ave		1.5824			0.5000	2.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.5158	0.3837 0.5450	0.4651	0.4873	0.4976	Ave		0.4824				11.5		20.0			
Ethylbenzene	+++++ 2.4365	2.4017 2.4397	2.5268	2.4965	2.4365	Ave		2.4563			0.1000	1.9		20.0			
m,p-Xylene	+++++ 1.0424	1.0572 1.0573	1.0608	1.0199	1.0136	Ave		1.0419			0.1000	2.0		20.0			
o-Xylene	+++++ 1.0158	0.9931 1.0349	1.0321	1.0204	0.9994	Ave		1.0159			0.3000	1.7		20.0			
Styrene	+++++ 1.6549	1.5774 1.6693	1.5913	1.6688	1.6508	Ave		1.6354			0.3000	2.5		20.0			
Bromoform	+++++ 0.2361	0.1761 +++++	0.1631	0.1740	0.1986	Ave		0.1896			0.1000	15.3		20.0			
Isopropylbenzene	+++++ 2.4067	2.4343 2.4129	2.4247	2.3691	2.3678	Ave		2.4026			0.1000	1.2		20.0			
Bromobenzene	+++++ 0.6665	0.7117 0.6760	0.6631	0.6801	0.6718	Ave		0.6782				2.6		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5333	0.5529 0.5530	0.5020	0.5256	0.5237	Ave		0.5318			0.3000	3.7		20.0			
1,2,3-Trichloropropane	+++++ 0.1873	0.1736 0.1928	0.1922	0.1854	0.1927	Ave		0.1873				4.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2583	0.2069 0.2873	0.2177	0.2382	0.2543	Ave		0.2438				12.0		20.0			
N-Propylbenzene	+++++ 2.7549	2.7172 2.7092	2.7826	2.7248	2.7168	Ave		2.7343				1.0		20.0			
2-Chlorotoluene	0.5481 0.6087	0.6240 0.6117	0.6007	0.6054	0.6021	Ave		0.6001				4.0		20.0			
1,3,5-Trimethylbenzene	+++++ 2.0641	2.0607 2.0546	2.0877	2.0524	2.0404	Ave		2.0600				0.8		20.0			
4-Chlorotoluene	+++++ 0.6288	0.6636 0.6448	0.6750	0.6500	0.6350	Ave		0.6495				2.7		20.0			
tert-Butylbenzene	0.4282 0.5158	0.4280 0.5181	0.5087	0.5124	0.4999	Ave		0.4873				8.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.1082	2.0794 2.0852	2.1377	2.1208	2.1005	Ave		2.1053				1.0		20.0			
sec-Butylbenzene	+++++ 2.6029	2.6138 2.5545	2.6580	2.4978	2.5331	Ave		2.5767				2.3		20.0			
1,3-Dichlorobenzene	1.1767 1.2862	1.4066 1.2798	1.3438	1.3367	1.3067	Ave		1.3052			0.6000	5.4		20.0			
4-Isopropyltoluene	+++++ 2.4176	2.3330 2.3718	2.4312	2.3965	2.3769	Ave		2.3878				1.5		20.0			
1,4-Dichlorobenzene	1.2287 1.2956	1.4511 1.3002	1.3672	1.3268	1.2925	Ave		1.3232			0.5000	5.3		20.0			
n-Butylbenzene	+++++ 1.9744	1.8428 1.9276	1.9540	1.8808	1.9281	Ave		1.9180				2.5		20.0			
1,2-Dichlorobenzene	1.2195 1.2367	1.3095 1.2451	1.2941	1.3095	1.2479	Ave		1.2660			0.4000	2.9		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0896	0.0689 0.1031	0.0680	0.0723	0.0788	Ave		0.0801			0.0500	17.2		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9147	0.9568 0.9331	0.9473	0.9229	0.9023	Ave		0.9295			0.2000	2.2		20.0			
Hexachlorobutadiene	0.3929 0.3897	0.5300 0.4015	0.4088	0.3835	0.3839	Ave		0.4129				12.7		20.0			
Naphthalene	+++++ 2.2212	2.0731 2.3383	2.0486	2.1119	2.1789	Ave		2.1620				5.0		20.0			
1,2,3-Trichlorobenzene	0.8885 0.8564	0.8834 0.8831	0.8725	0.8901	0.8419	Ave		0.8737				2.1		20.0			
Dibromofluoromethane (Surr)	1.1154 1.1316	1.1431 1.1355	1.1398	1.1297	1.1370	Ave		1.1332				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7873 0.7599	0.8041 0.7557	0.7772	0.7715	0.7722	Ave		0.7754				2.1		20.0			
Toluene-d8 (Surr)	2.1597 2.1804	2.1701 2.2353	2.2646	2.1942	2.2209	Ave		2.2036				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.6900 0.7033	0.6982 0.7267	0.7264	0.6961	0.7031	Ave		0.7062				2.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 384878	6613 732166	39226	69208	167752	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	7253 707401	13098 1359630	70050	133830	333053	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	+++++ 389881	7198 767389	38582	69560	179662	+++++ 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	4183 444921	10411 919655	46796	81136	202402	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	+++++ 114735	2469 233914	10601	22185	54107	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Lin1	2068 155288	5032 319861	15871	29425	71541	0.500 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	3760 428557	6231 839254	41393	80991	202648	0.500 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	+++++ 364067	5884 711886	34704	61742	165837	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	3378 410204	8660 814181	40327	82317	202216	0.500 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	+++++ 412341	7614 824014	36451	75488	195663	+++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 294194	5113 574499	29420	55139	129487	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Ave	+++++ 326433	5862 639416	33254	61561	152549	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	6232 666854	13871 1294453	60549	127327	325776	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	+++++ 355845	7480 790710	31302	66852	169677	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	8076 919270	19097 1850817	92423	172823	442319	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	5520 654665	15011 1251259	65302	129876	320400	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	13327 1788408	33957 3501767	162926	346679	874197	2.50 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	+++++ 320479	9996 635449	36580	70360	163870	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	+++++ 396153	6369 831957	28372	62657	176036	+++++ 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	+++++ 927310	18482 1798787	88520	184602	455171	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 326177	6733 629624	32469	63618	162176	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	14466 1904536	36255 3721025	177820	371449	937951	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	6545 774063	15020 1490572	79448	137879	339893	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	6071 711976	15197 1388492	73335	140899	349138	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	+++++ 1999132	30225 4048027	153732	330701	906140	+++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 260020	4345 507948	26527	50817	127274	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 356979	7253 685068	35201	72491	176801	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	+++++ 1089965	19526 2186412	95655	205030	521469	+++++ 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	1752 188339	3560 358803	18800	36683	94337	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	+++++ 313782	6956 626974	28005	60220	151679	+++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	4969 545719	11272 1062310	54364	109266	273346	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	3727 405331	7522 806655	39485	76296	188231	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	+++++ 849146	17900 1745813	85143	157217	386557	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	+++++ 388432	7184 780531	34276	67472	173413	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	4114 448860	8990 864665	45948	87248	216695	0.500 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	11576 1273280	25278 2374990	131252	256205	634777	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	+++++ 515258	8143 1081037	34019	76362	220608	+++++ 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	5851 557623	11969 1074152	54890	115208	279571	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	+++++ 795739	15574 1514477	80409	140157	354291	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	3075 336443	7199 654158	32345	64031	164967	0.500 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	5274 594963	11222 1158878	60375	103629	262907	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	+++++ 399881	7838 783659	37601	78204	194453	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	+++++ 181849	3681 350847	16516	38116	91319	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	+++++ 69823	1390 134550	5373	12325	33462	+++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	+++++ 388124	6152 779182	31252	65702	173441	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 272104	4816 541526	24248	50460	131120	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 529705	9288 1040474	43533	95452	253766	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 2303686	39518 4467025	195072	426755	1103729	+++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	+++++ 846474	17324 1629513	85564	168561	416198	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 479849	7772 953423	39151	83208	221802	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	+++++ 398620	5988 802412	29477	68795	183114	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 231896	5225 446618	22003	46850	114567	+++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	+++++ 412634	8336 787428	42427	79418	196259	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	+++++ 504839	10430 976493	48870	103400	251020	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	+++++ 1620695	23708 3168492	130954	288951	769332	+++++ 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	+++++ 291798	4289 626312	20280	47612	129665	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBZ	Ave	2633 297386	4267 581097	27874	58018	147160	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	9636 991172	20023 1886737	99142	201464	489503	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 330105	4798 658067	28311	60788	156892	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	+++++ 1559193	30032 2945674	153796	311438	768201	+++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	+++++ 667091	13220 1276629	64566	127235	319588	+++++ 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	+++++ 650046	12418 1249533	62822	127291	315108	+++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	+++++ 1059058	19725 2015443	96856	208180	520475	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	+++++ 151093	2202 +++++	9927	21712	62613	+++++ 50.0	1.00 +++++	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	+++++ 1592966	31400 3037383	155131	308097	769696	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	+++++ 441115	9180 851016	42421	88443	218378	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 353013	7132 696118	32118	68357	170247	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 123972	2239 242757	12295	24112	62652	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 170994	2669 361615	13930	30971	82663	+++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	+++++ 1823439	35048 3410446	178027	354350	883134	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	3581 402879	8049 770020	38434	78736	195715	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 1366200	26580 2586418	133570	266907	663249	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	+++++ 416165	8559 811729	43185	84531	206417	+++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	2798 341425	5521 652188	32546	66641	162497	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 1395377	26822 2624879	136768	275797	682796	+++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	+++++ 1722835	33715 3215691	170056	324824	823426	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	7688 851308	18143 1611103	85971	173838	424764	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	+++++ 1600178	30093 2985715	155542	311653	772647	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	8028 857547	18718 1636702	87474	172541	420148	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	+++++ 1306828	23770 2426545	125016	244588	626745	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	7968 818524	16891 1567356	82796	170294	405634	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59301	889 129795	4350	9406	25618	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 605408	12342 1174572	60608	120022	293300	+++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	2567 257956	6836 505418	26152	49873	124789	0.500 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	+++++ 1470204	26740 2943541	131067	274641	708276	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	5805 566866	11395 1111686	55819	115758	273684	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	163079 177854	167995 170114	171454	173046	174615	27.2 27.2	27.2 27.2	27.2	27.2	27.2
1,2-Dichloroethane-d4 (Surr)	FB	Ave	115111 119444	118176 113208	116902	118182	118593	27.2 27.2	27.2 27.2	27.2	27.2	27.2
Toluene-d8 (Surr)	CBZ	Ave	721610 758326	737390 733388	749115	743834	761118	27.2 27.2	27.2 27.2	27.2	27.2	27.2
4-Bromofluorobenzene (Surr)	CBZ	Ave	230551 244603	237257 238419	240269	235976	240952	27.2 27.2	27.2 27.2	27.2	27.2	27.2

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Dec-2015 13:52:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0049002-005
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:12 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:39:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	134508	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	307398	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	94	326688	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	72	163079	27.2	26.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	115111	27.2	27.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	721610	27.2	26.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	230551	27.2	26.5	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	42	3024	0.5000	0.4372	
12 Chloromethane	50	1.401	1.407	-0.006	73	7253	0.5000	0.5457	
13 Vinyl chloride	62	1.505	1.505	0.000	15	3042	0.5000	0.4256	
151 Butadiene	54	1.535	1.535	0.000	77	4183	0.5000	0.4838	
14 Bromomethane	94	1.821	1.797	0.024	1	1381	0.5000	0.6319	
15 Chloroethane	64	1.919	1.919	0.000	1	2068	0.5000	0.3996	
16 Dichlorofluoromethane	67	2.120	2.132	-0.012	18	3760	0.5000	0.4931	
17 Trichlorofluoromethane	101	2.138	2.144	-0.006	19	2718	0.5000	0.4233	
18 Ethyl ether	59	2.424	2.424	0.000	53	3378	0.5000	0.4351	
20 Acrolein	56	2.588	2.582	0.006	49	2994	2.50	1.99	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	1	2131	0.5000	0.3986	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	40	2062	0.5000	0.3409	
23 Acetone	43	2.741	2.741	0.000	75	6232	2.50	2.49	
25 Iodomethane	142	2.820	2.820	0.000	51	2219	0.5000	0.3271	
26 Carbon disulfide	76	2.856	2.850	0.006	49	8076	0.5000	0.4648	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	31	5520	0.5000	0.4408	
27 Methyl acetate	43	3.051	3.045	0.006	95	13327	2.50	2.06	
30 Methylene Chloride	84	3.161	3.179	-0.018	62	7189	0.5000	0.5014	
31 2-Methyl-2-propanol	59	3.313	3.301	0.012	14	2038	5.00	3.06	
32 Methyl tert-butyl ether	73	3.374	3.368	0.006	63	7651	0.5000	0.4357	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	56	2619	0.5000	0.4194	
33 Acrylonitrile	53	3.410	3.404	0.006	96	14466	5.00	4.18	
35 Hexane	57	3.593	3.599	-0.006	72	6545	0.5000	0.4650	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.782	3.788	-0.006	1	6071	0.5000	0.4471	
37 Vinyl acetate	43	3.855	3.849	0.006	71	11181	1.00	0.6619	
44 2,2-Dichloropropane	77	4.323	4.317	0.006	22	2884	0.5000	0.5973	
45 cis-1,2-Dichloroethene	96	4.336	4.342	-0.006	20	2743	0.5000	0.4011	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	34	6507	2.50	1.64	
48 Chlorobromomethane	128	4.573	4.573	0.000	18	1752	0.5000	0.4945	
49 Tetrahydrofuran	42	4.628	4.603	0.025	35	2058	1.00	0.6890	
50 Chloroform	83	4.652	4.652	0.000	38	4969	0.5000	0.4760	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	1	3727	0.5000	0.4972	
52 Cyclohexane	56	4.804	4.804	0.000	1	6490	0.5000	0.4018	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	14	2749	0.5000	0.3956	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	1	4114	0.5000	0.4842	
53 Isobutyl alcohol	43	5.139	5.133	0.006	2	1519	12.5	4.51	
57 Benzene	78	5.133	5.133	0.000	59	11576	0.5000	0.4786	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	31	5851	0.5000	0.5334	
59 n-Heptane	43	5.334	5.340	-0.006	67	6313	0.5000	0.4325	
62 Trichloroethene	95	5.754	5.748	0.006	32	3075	0.5000	0.4822	
64 Methylcyclohexane	83	5.882	5.882	0.000	45	5274	0.5000	0.4875	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	25	2767	0.5000	0.3684	
67 Dibromomethane	93	6.113	6.107	0.006	18	1082	0.5000	0.3122	
66 1,4-Dioxane	88		6.119				ND	ND	
68 Dichlorobromomethane	83	6.265	6.265	0.000	1	2748	0.5000	0.4133	
69 2-Chloroethyl vinyl ether	63	6.552	6.546	0.006	1	1567	0.5000	0.3170	
72 cis-1,3-Dichloropropene	75	6.692	6.686	0.006	11	3376	0.5000	0.3586	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	69	13913	2.50	1.65	
74 Toluene	92	6.978	6.984	-0.006	78	6318	0.5000	0.3790	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	18	2457	0.5000	0.2872	
75 Ethyl methacrylate	69		7.306				ND	ND	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	7	1786	0.5000	0.3872	
81 Tetrachloroethene	166	7.526	7.520	0.006	36	3167	0.5000	0.3943	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	31	3913	0.5000	0.3929	
80 2-Hexanone	43	7.672	7.666	0.006	51	7762	2.50	1.36	
83 Chlorodibromomethane	129	7.836	7.830	0.006	1	1665	0.5000	0.3325	
84 Ethylene Dibromide	107	7.933	7.934	-0.001	34	2633	0.5000	0.4827	
87 Chlorobenzene	112	8.420	8.421	-0.001	31	9636	0.5000	0.4953	
89 1,1,1,2-Tetrachloroethane	131	8.524	8.518	0.006	1	1766	0.5000	0.2977	
88 Ethylbenzene	91	8.524	8.524	0.000	59	12284	0.5000	0.4067	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	5522	0.5000	0.4310	
91 o-Xylene	106	9.072	9.072	0.000	65	5502	0.5000	0.4404	
92 Styrene	104	9.096	9.096	0.000	26	8266	0.5000	0.4111	
95 Bromoform	173	9.334	9.328	0.006	1	983	0.5000	0.4217	
94 Isopropylbenzene	105	9.455	9.455	0.000	66	13657	0.5000	0.4350	
101 Bromobenzene	156	9.790	9.796	-0.006	50	3836	0.5000	0.4328	
97 1,1,2,2-Tetrachloroethane	83	9.839	9.833	0.006	1	2261	0.5000	0.3254	
100 1,2,3-Trichloropropane	110	9.857	9.869	-0.012	1	879	0.5000	0.3591	
99 N-Propylbenzene	91	9.888	9.882	0.006	74	13752	0.5000	0.3849	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.882	0.006	1	1215	0.5000	0.3814	
103 2-Chlorotoluene	126	9.985	9.985	0.000	58	3581	0.5000	0.4567	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	45	11054	0.5000	0.4106	
105 4-Chlorotoluene	126	10.095	10.095	0.000	39	3700	0.5000	0.4359	
106 tert-Butylbenzene	134	10.381	10.381	0.000	35	2798	0.5000	0.4394	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	43	10897	0.5000	0.3961	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	49	14129	0.5000	0.4196	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	52	7688	0.5000	0.4508	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	51	12673	0.5000	0.4061	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	1	8028	0.5000	0.4643	
115 n-Butylbenzene	91	11.117	11.117	0.000	67	8667	0.5000	0.3458	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	44	7968	0.5000	0.4816	
117 1,2-Dibromo-3-Chloropropan	75		11.872				ND	ND	
119 1,2,4-Trichlorobenzene	180	12.566	12.560	0.006	18	5135	0.5000	0.4228	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	1	2567	0.5000	0.4758	
121 Naphthalene	128	12.773	12.773	0.000	12	11523	0.5000	0.4079	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	39	5805	0.5000	0.5084	
S 125 1,2-Dichloroethene, Total	1				0			0.8204	
S 126 1,3-Dichloropropene, Total	1				0			0.6458	
S 123 Total BTEX	1				0			2.14	
S 124 Xylenes, Total	1				0			0.8715	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

8260 CORP mix_00061	Amount Added:	0.50	Units: uL	
GAS CORP mix_00125	Amount Added:	0.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

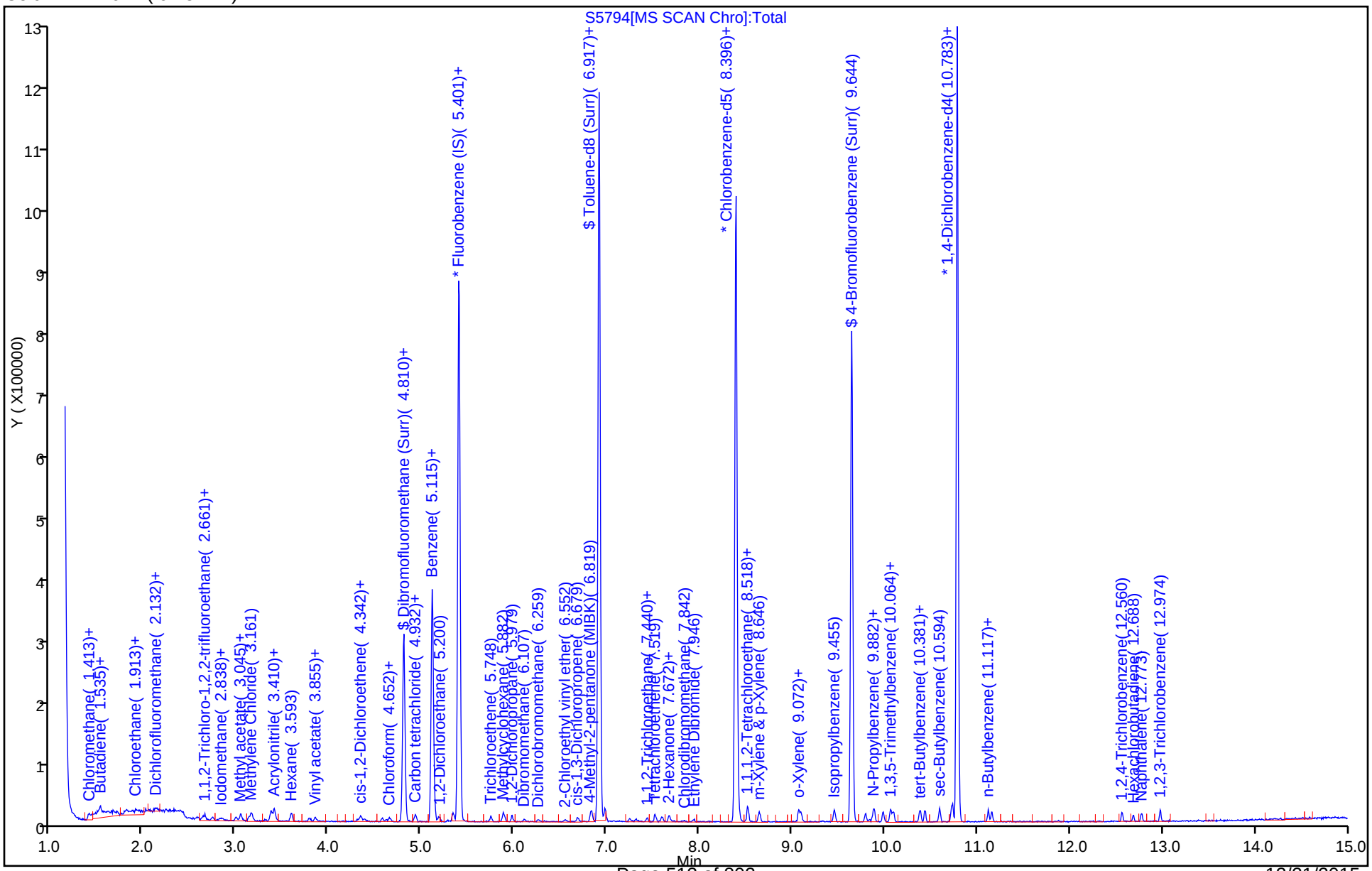
Report Date: 07-Dec-2015 22:59:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D

Injection Date:	07-Dec-2015 13:52:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Dec-2015 14:38:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049002-007
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:02 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:13:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	138385	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.390	0.000	86	304326	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	93	319891	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	82	171454	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	116902	27.2	27.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	749115	27.2	27.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	240269	27.2	27.9	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	67	39226	5.00	5.51	
12 Chloromethane	50	1.401	1.407	-0.006	88	70050	5.00	5.12	
13 Vinyl chloride	62	1.505	1.505	0.000	75	38582	5.00	5.25	
151 Butadiene	54	1.529	1.535	-0.006	86	46796	5.00	5.26	
14 Bromomethane	94	1.821	1.797	0.024	31	10601	5.00	4.71	
15 Chloroethane	64	1.919	1.919	0.000	59	15871	5.00	4.89	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	66	41393	5.00	5.28	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	55	34704	5.00	5.25	
18 Ethyl ether	59	2.424	2.424	0.000	94	40327	5.00	5.05	
20 Acrolein	56	2.582	2.582	0.000	82	36451	25.0	23.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	28	29420	5.00	5.35	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	76	33254	5.00	5.34	M
23 Acetone	43	2.741	2.741	0.000	97	60549	25.0	23.5	
25 Iodomethane	142	2.814	2.820	-0.006	83	31302	5.00	4.48	
26 Carbon disulfide	76	2.856	2.850	0.006	95	92423	5.00	5.17	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	75	65302	5.00	5.07	
27 Methyl acetate	43	3.045	3.045	0.000	97	162926	25.0	24.5	
30 Methylene Chloride	84	3.167	3.179	-0.012	77	36580	5.00	5.16	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	86	28372	50.0	41.3	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	90	88520	5.00	4.90	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	79	32469	5.00	5.05	
33 Acrylonitrile	53	3.404	3.404	0.000	98	177820	50.0	49.9	
35 Hexane	57	3.599	3.599	0.000	94	79448	5.00	5.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	74	73335	5.00	5.25	
37 Vinyl acetate	43	3.849	3.849	0.000	90	153732	10.0	8.85	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	72	26527	5.00	5.34	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	71	35201	5.00	5.00	
43 2-Butanone (MEK)	43	4.378	4.372	0.006	91	95655	25.0	23.4	
48 Chlorobromomethane	128	4.573	4.573	0.000	77	18800	5.00	5.16	
49 Tetrahydrofuran	42	4.610	4.603	0.007	84	28005	10.0	9.11	
50 Chloroform	83	4.652	4.652	0.000	79	54364	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	81	39485	5.00	5.12	
52 Cyclohexane	56	4.804	4.804	0.000	45	85143	5.00	5.12	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	68	34276	5.00	4.79	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	84	45948	5.00	5.26	
53 Isobutyl alcohol	43	5.133	5.133	0.000	44	34019	125.0	98.1	M
57 Benzene	78	5.133	5.133	0.000	89	131252	5.00	5.27	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	58	54890	5.00	4.86	
59 n-Heptane	43	5.340	5.340	0.000	95	80409	5.00	5.35	
62 Trichloroethene	95	5.748	5.748	0.000	82	32345	5.00	4.93	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	60375	5.00	5.42	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	83	37601	5.00	4.87	
67 Dibromomethane	93	6.107	6.107	0.000	77	16516	5.00	4.63	
66 1,4-Dioxane	88	6.119	6.119	0.000	20	5373	100.0	84.8	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	81	31252	5.00	4.57	
69 2-Chloroethyl vinyl ether	63	6.545	6.546	-0.001	76	24248	5.00	4.77	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	79	43533	5.00	4.49	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	97	195072	25.0	23.4	
74 Toluene	92	6.978	6.984	-0.006	88	85564	5.00	5.18	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	86	39151	5.00	4.62	
75 Ethyl methacrylate	69	7.306	7.306	0.000	86	29477	5.00	4.29	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	22003	5.00	4.82	
81 Tetrachloroethene	166	7.526	7.520	0.006	88	42427	5.00	5.34	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	88	48870	5.00	4.96	
80 2-Hexanone	43	7.666	7.666	0.000	98	130954	25.0	23.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	76	20280	5.00	4.09	
84 Ethylene Dibromide	107	7.940	7.934	0.006	80	27874	5.00	5.16	
87 Chlorobenzene	112	8.427	8.421	0.006	78	99142	5.00	5.15	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	33	28311	5.00	4.82	
88 Ethylbenzene	91	8.524	8.524	0.000	93	153796	5.00	5.14	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	64566	5.00	5.09	
91 o-Xylene	106	9.072	9.072	0.000	96	62822	5.00	5.08	
92 Styrene	104	9.096	9.096	0.000	93	96856	5.00	4.87	
95 Bromoform	173	9.334	9.328	0.006	60	9927	5.00	4.30	
94 Isopropylbenzene	105	9.455	9.455	0.000	95	155131	5.00	5.05	
101 Bromobenzene	156	9.790	9.796	-0.006	88	42421	5.00	4.89	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	77	32118	5.00	4.72	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	54	12295	5.00	5.13	
99 N-Propylbenzene	91	9.888	9.882	0.006	96	178027	5.00	5.09	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	30	13930	5.00	4.47	
103 2-Chlorotoluene	126	9.985	9.985	0.000	93	38434	5.00	5.01	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	93	133570	5.00	5.07	
105 4-Chlorotoluene	126	10.095	10.095	0.000	92	43185	5.00	5.20	
106 tert-Butylbenzene	134	10.381	10.381	0.000	85	32546	5.00	5.22	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	61	136768	5.00	5.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	82	170056	5.00	5.16	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	96	85971	5.00	5.15	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	93	155542	5.00	5.09	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	78	87474	5.00	5.17	
115 n-Butylbenzene	91	11.117	11.117	0.000	96	125016	5.00	5.09	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	87	82796	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	18	4350	5.00	4.24	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	89	60608	5.00	5.10	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	78	26152	5.00	4.95	
121 Naphthalene	128	12.773	12.773	0.000	93	131067	5.00	4.74	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	93	55819	5.00	4.99	
S 125 1,2-Dichloroethene, Total	1				0			10.1	
S 126 1,3-Dichloropropene, Total	1				0			9.12	
S 123 Total BTEX	1				0			25.8	
S 124 Xylenes, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

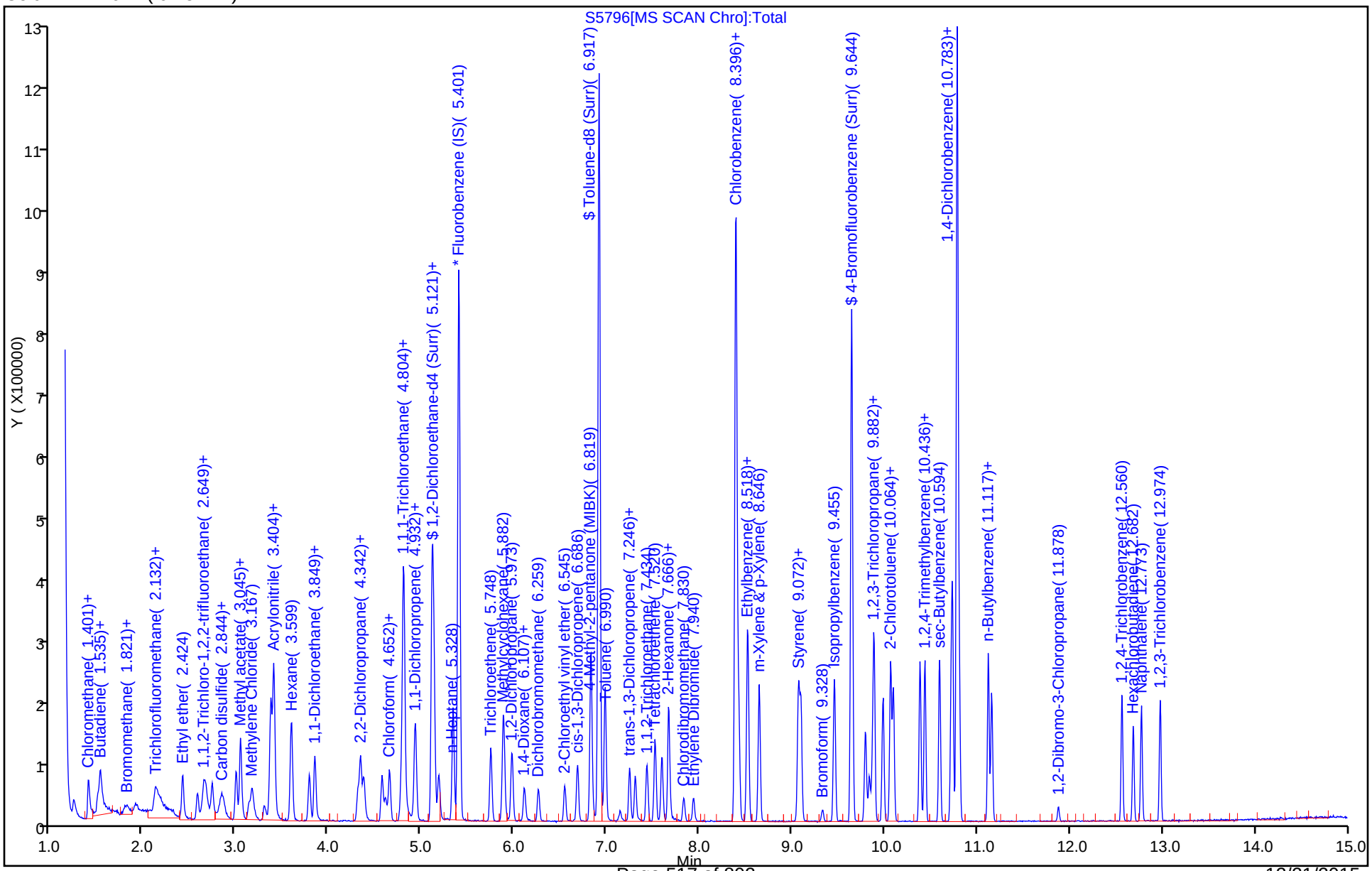
Report Date: 07-Dec-2015 22:59:03 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D

Injection Date:	07-Dec-2015 14:38:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

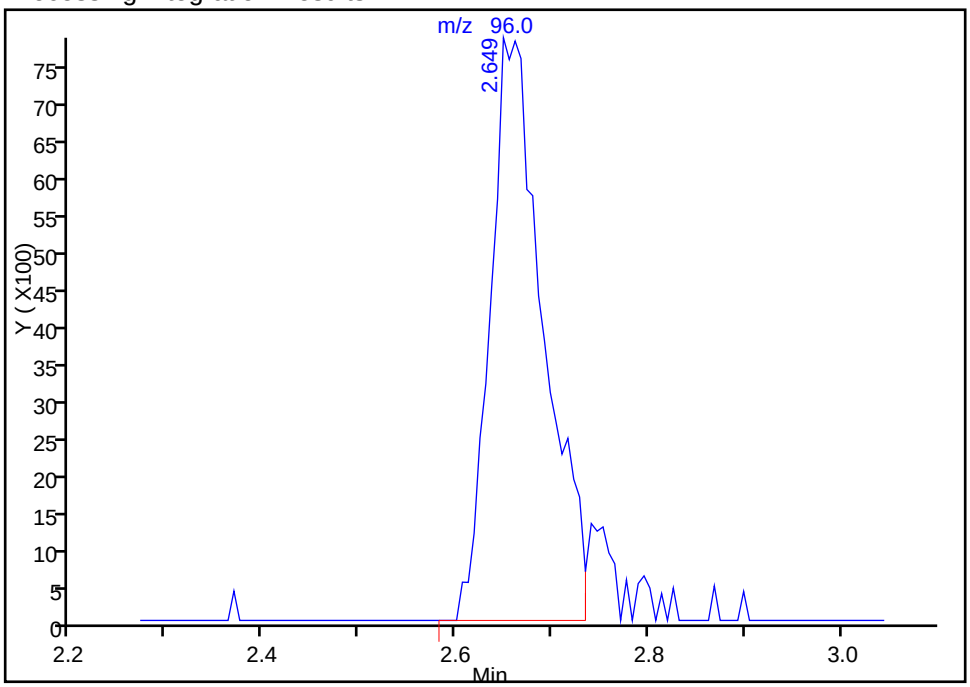
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

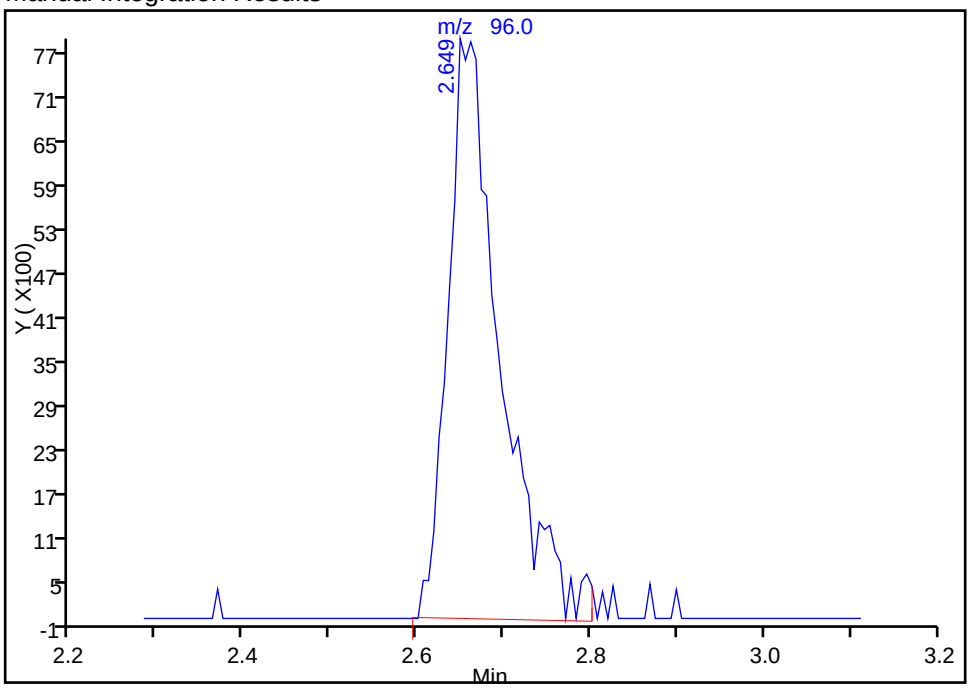
Processing Integration Results

RT: 2.65
Area: 30357
Amount: 4.954775
Amount Units: ug/L



Manual Integration Results

RT: 2.65
Area: 33254
Amount: 5.343396
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

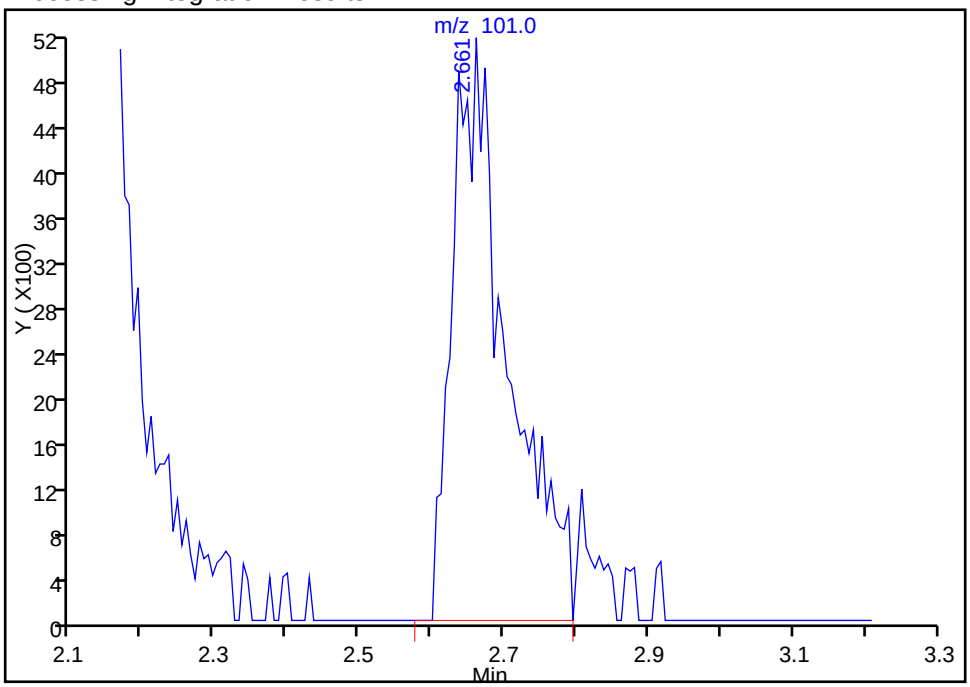
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

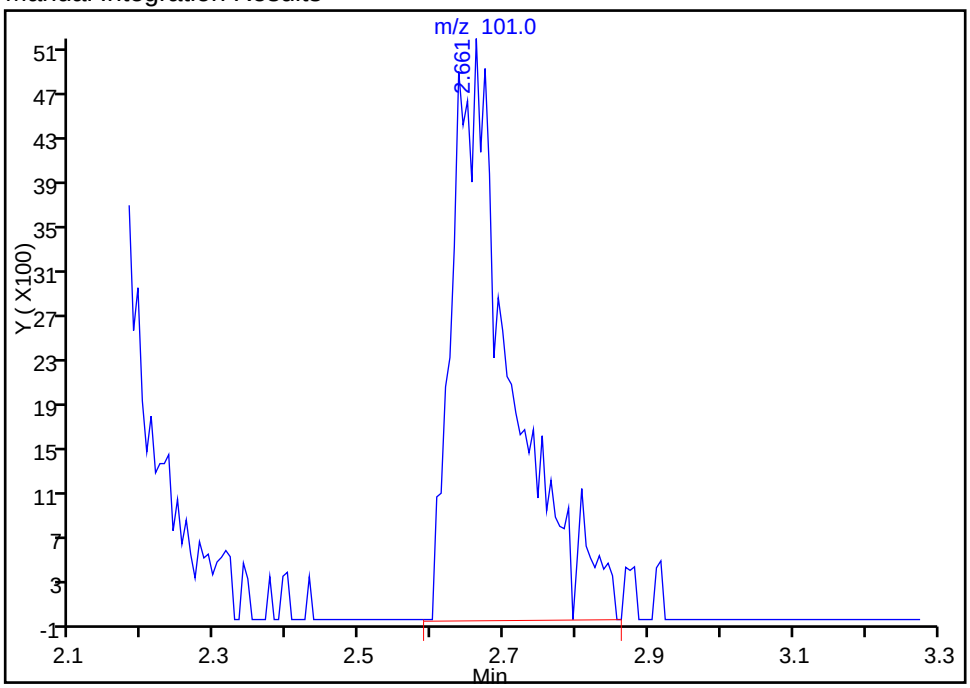
Processing Integration Results

RT: 2.66
Area: 27349
Amount: 5.035150
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 29420
Amount: 5.348460
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

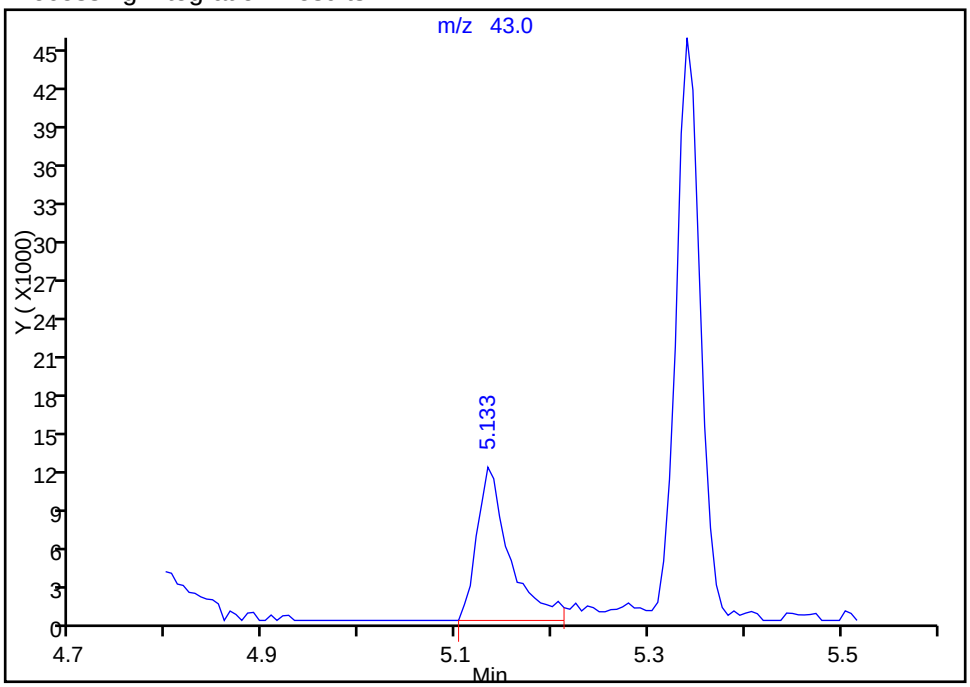
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

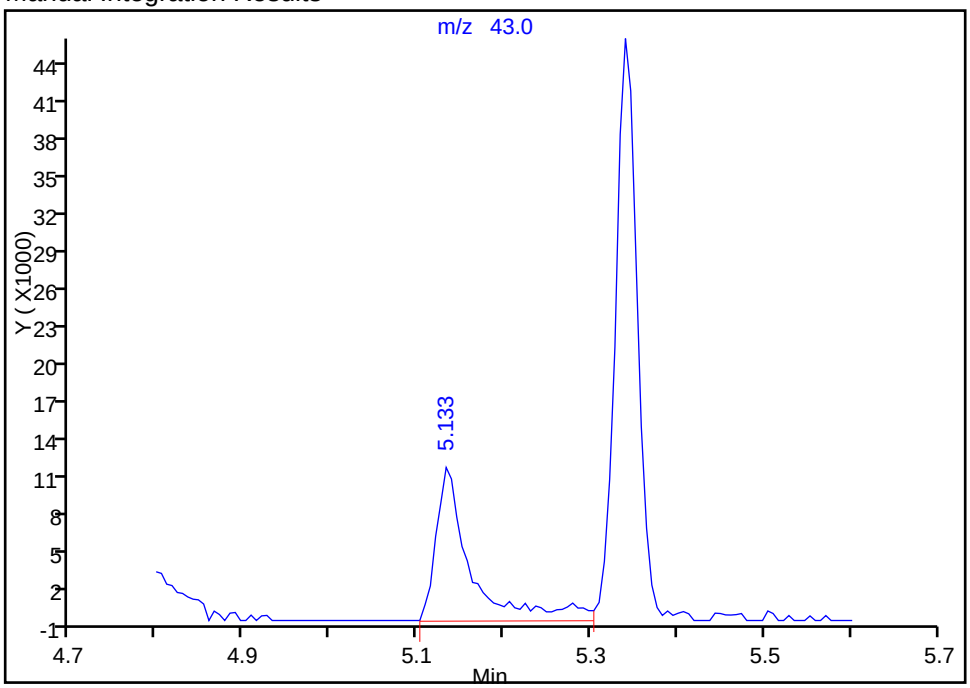
Processing Integration Results

RT: 5.13
Area: 28388
Amount: 86.726796
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 34019
Amount: 98.139275
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:38:06
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Dec-2015 15:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049002-008
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:04 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:12:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	140928	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	311880	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	89	325116	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.804	0.000	80	173046	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118182	27.2	27.0	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	743834	27.2	27.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	235976	27.2	26.8	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	81	69208	10.0	9.55	
12 Chloromethane	50	1.401	1.401	0.000	89	133830	10.0	9.61	
13 Vinyl chloride	62	1.505	1.505	0.000	77	69560	10.0	9.29	
151 Butadiene	54	1.529	1.529	0.000	87	81136	10.0	8.96	
14 Bromomethane	94	1.797	1.797	0.000	65	22185	10.0	9.69	
15 Chloroethane	64	1.919	1.919	0.000	76	29425	10.0	9.15	
16 Dichlorofluoromethane	67	2.126	2.126	0.000	77	80991	10.0	10.1	
17 Trichlorofluoromethane	101	2.138	2.138	0.000	46	61742	10.0	9.18	
18 Ethyl ether	59	2.418	2.418	0.000	90	82317	10.0	10.1	
20 Acrolein	56	2.582	2.582	0.000	95	75488	50.0	48.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	25	55139	10.0	9.84	
22 1,1-Dichloroethene	96	2.655	2.655	0.000	76	61561	10.0	9.71	
23 Acetone	43	2.741	2.741	0.000	97	127327	50.0	48.5	
25 Iodomethane	142	2.820	2.820	0.000	95	66852	10.0	9.41	
26 Carbon disulfide	76	2.850	2.850	0.000	98	172823	10.0	9.49	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	82	129876	10.0	9.90	
27 Methyl acetate	43	3.045	3.045	0.000	97	346679	50.0	51.3	
30 Methylene Chloride	84	3.173	3.173	0.000	90	70360	10.0	10.4	
31 2-Methyl-2-propanol	59	3.307	3.307	0.000	92	62657	100.0	89.6	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	91	184602	10.0	10.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	63618	10.0	9.72	
33 Acrylonitrile	53	3.404	3.404	0.000	98	371449	100.0	102.3	
35 Hexane	57	3.593	3.593	0.000	94	137879	10.0	9.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	83	140899	10.0	9.90	
37 Vinyl acetate	43	3.849	3.849	0.000	97	330701	20.0	18.7	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	78	50817	10.0	10.0	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	72491	10.0	10.1	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	205030	50.0	49.3	
48 Chlorobromomethane	128	4.573	4.573	0.000	85	36683	10.0	9.88	
49 Tetrahydrofuran	42	4.610	4.610	0.000	91	60220	20.0	19.2	
50 Chloroform	83	4.658	4.658	0.000	82	109266	10.0	9.99	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	84	76296	10.0	9.71	
52 Cyclohexane	56	4.804	4.804	0.000	65	157217	10.0	9.29	
55 Carbon tetrachloride	117	4.926	4.926	0.000	71	67472	10.0	9.27	
54 1,1-Dichloropropene	75	4.932	4.932	0.000	83	87248	10.0	9.80	
53 Isobutyl alcohol	43	5.133	5.133	0.000	47	76362	250.0	216.3	M
57 Benzene	78	5.133	5.133	0.000	93	256205	10.0	10.1	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	115208	10.0	10.0	
59 n-Heptane	43	5.340	5.340	0.000	96	140157	10.0	9.16	
62 Trichloroethene	95	5.748	5.748	0.000	84	64031	10.0	9.58	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	103629	10.0	9.14	
65 1,2-Dichloropropane	63	5.973	5.973	0.000	87	78204	10.0	9.94	
67 Dibromomethane	93	6.107	6.107	0.000	85	38116	10.0	10.5	
66 1,4-Dioxane	88	6.125	6.125	0.000	59	12325	200.0	189.7	
68 Dichlorobromomethane	83	6.266	6.266	0.000	86	65702	10.0	9.43	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	86	50460	10.0	9.74	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	74	95452	10.0	9.68	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	426755	50.0	49.9	
74 Toluene	92	6.984	6.984	0.000	93	168561	10.0	9.97	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	83208	10.0	9.59	
75 Ethyl methacrylate	69	7.307	7.307	0.000	88	68795	10.0	9.78	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	46850	10.0	10.0	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	79418	10.0	9.74	
82 1,3-Dichloropropane	76	7.599	7.599	0.000	94	103400	10.0	10.2	
80 2-Hexanone	43	7.666	7.666	0.000	98	288951	50.0	49.8	
83 Chlorodibromomethane	129	7.830	7.830	0.000	77	47612	10.0	9.37	
84 Ethylene Dibromide	107	7.934	7.934	0.000	87	58018	10.0	10.5	
87 Chlorobenzene	112	8.421	8.421	0.000	89	201464	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	39	60788	10.0	10.1	
88 Ethylbenzene	91	8.524	8.524	0.000	98	311438	10.0	10.2	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	127235	10.0	9.79	
91 o-Xylene	106	9.066	9.066	0.000	96	127291	10.0	10.0	
92 Styrene	104	9.096	9.096	0.000	97	208180	10.0	10.2	
95 Bromoform	173	9.328	9.328	0.000	87	21712	10.0	9.18	
94 Isopropylbenzene	105	9.456	9.456	0.000	96	308097	10.0	9.86	
101 Bromobenzene	156	9.790	9.790	0.000	88	88443	10.0	10.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	79	68357	10.0	9.88	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	54	24112	10.0	9.90	
99 N-Propylbenzene	91	9.888	9.888	0.000	96	354350	10.0	9.97	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	30	30971	10.0	9.77	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	78736	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	266907	10.0	9.96	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	84531	10.0	10.0	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	66641	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	62	275797	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	93	324824	10.0	9.69	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	97	173838	10.0	10.2	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	311653	10.0	10.0	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	172541	10.0	10.0	
115 n-Butylbenzene	91	11.118	11.118	0.000	96	244588	10.0	9.81	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	92	170294	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.879	0.000	49	9406	10.0	9.03	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	93	120022	10.0	9.93	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	87	49873	10.0	9.29	
121 Naphthalene	128	12.773	12.773	0.000	96	274641	10.0	9.77	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	92	115758	10.0	10.2	
S 125 1,2-Dichloroethene, Total	1				0			19.8	
S 126 1,3-Dichloropropene, Total	1				0			19.3	
S 123 Total BTEX	1				0			50.1	
S 124 Xylenes, Total	1				0			19.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

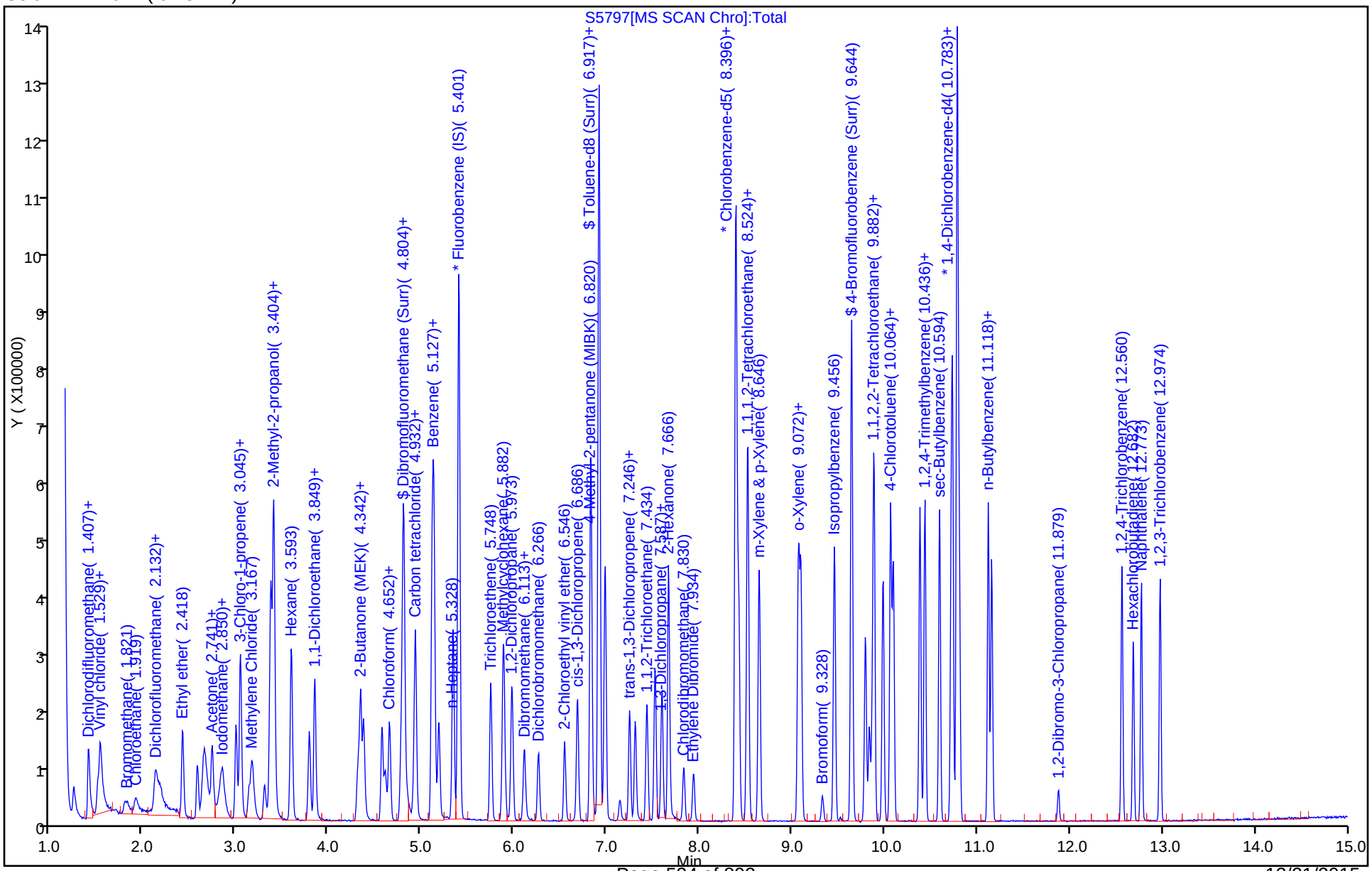
Report Date: 07-Dec-2015 22:59:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D

Injection Date:	07-Dec-2015 15:01:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

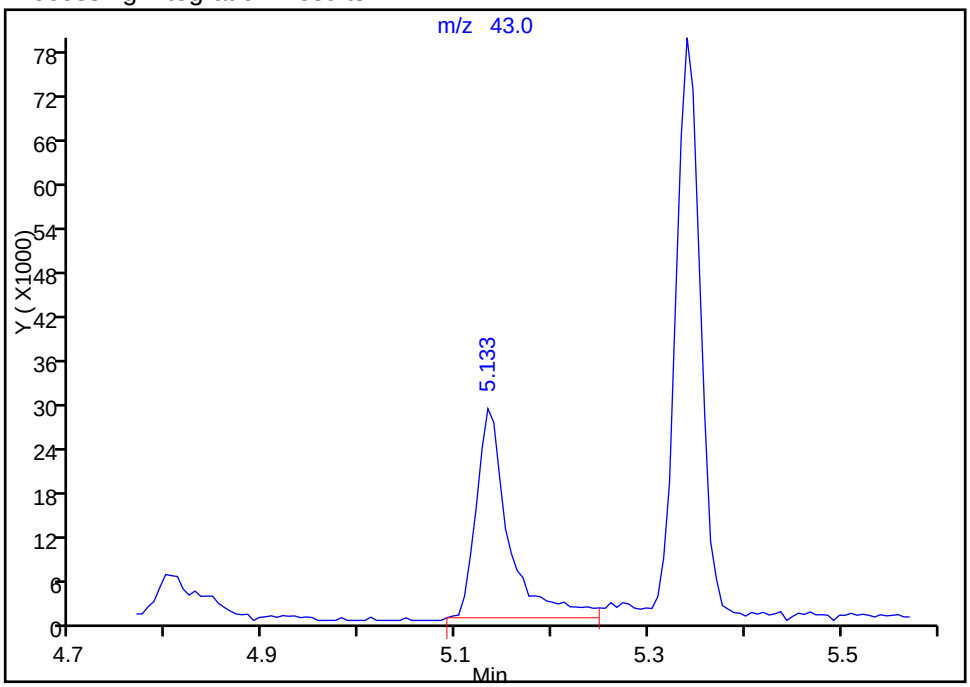
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Injection Date: 07-Dec-2015 15:01:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

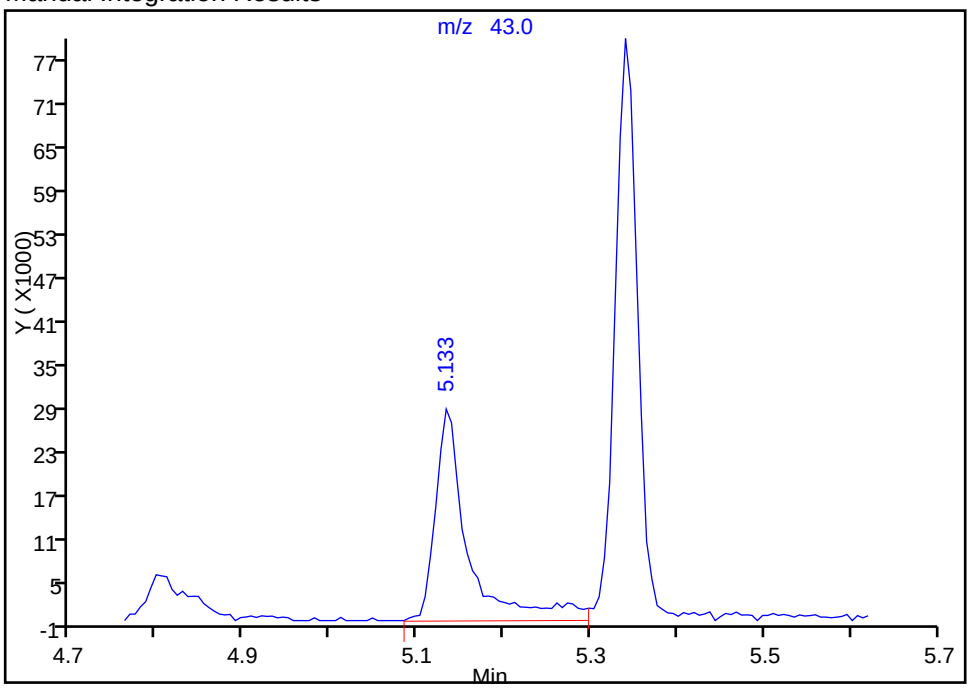
Processing Integration Results

RT: 5.13
Area: 66739
Amount: 195.7226
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 76362
Amount: 216.3168
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:42:58
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Lims ID: ICIS 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Dec-2015 15:24:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0049002-009
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:06 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	141293	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	315294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	72	325064	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	71	174615	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118593	27.2	27.1	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	761118	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	240952	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	87	167752	25.0	23.1	
12 Chloromethane	50	1.407	1.407	0.000	89	333053	25.0	23.9	
13 Vinyl chloride	62	1.505	1.505	0.000	81	179662	25.0	23.9	
151 Butadiene	54	1.535	1.535	0.000	88	202402	25.0	22.3	
14 Bromomethane	94	1.797	1.797	0.000	86	54107	25.0	23.6	
15 Chloroethane	64	1.919	1.919	0.000	88	71541	25.0	22.6	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	79	202648	25.0	25.3	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	58	165837	25.0	24.6	
18 Ethyl ether	59	2.424	2.424	0.000	97	202216	25.0	24.8	
20 Acrolein	56	2.582	2.582	0.000	96	195663	125.0	124.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	40	129487	25.0	23.1	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	79	152549	25.0	24.0	
23 Acetone	43	2.741	2.741	0.000	100	325776	125.0	123.9	
25 Iodomethane	142	2.820	2.820	0.000	97	169677	25.0	23.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	442319	25.0	24.2	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	84	320400	25.0	24.4	
27 Methyl acetate	43	3.045	3.045	0.000	97	874197	125.0	128.9	
30 Methylene Chloride	84	3.179	3.179	0.000	88	163870	25.0	25.0	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	96	176036	250.0	251.2	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	93	455171	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	162176	25.0	24.7	
33 Acrylonitrile	53	3.404	3.404	0.000	98	937951	250.0	257.8	
35 Hexane	57	3.599	3.599	0.000	94	339893	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	349138	25.0	24.5	
37 Vinyl acetate	43	3.849	3.849	0.000	97	906140	50.0	51.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	127274	25.0	25.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	176801	25.0	24.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	521469	125.0	125.1	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	94337	25.0	25.3	
49 Tetrahydrofuran	42	4.603	4.603	0.000	92	151679	50.0	48.3	
50 Chloroform	83	4.652	4.652	0.000	83	273346	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	188231	25.0	23.9	
52 Cyclohexane	56	4.804	4.804	0.000	91	386557	25.0	22.8	
55 Carbon tetrachloride	117	4.926	4.926	0.000	73	173413	25.0	23.8	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	88	216695	25.0	24.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	53	220608	625.0	623.3	M
57 Benzene	78	5.133	5.133	0.000	94	634777	25.0	25.0	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	279571	25.0	24.3	
59 n-Heptane	43	5.340	5.340	0.000	96	354291	25.0	23.1	
62 Trichloroethene	95	5.748	5.748	0.000	89	164967	25.0	24.6	
64 Methylcyclohexane	83	5.882	5.882	0.000	96	262907	25.0	23.1	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	194453	25.0	24.6	
67 Dibromomethane	93	6.107	6.107	0.000	88	91319	25.0	25.1	
66 1,4-Dioxane	88	6.119	6.119	0.000	46	33462	500.0	509.5	M
68 Dichlorobromomethane	83	6.265	6.265	0.000	90	173441	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	91	131120	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	83	253766	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	1103729	125.0	127.5	
74 Toluene	92	6.984	6.984	0.000	95	416198	25.0	24.3	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	221802	25.0	25.3	
75 Ethyl methacrylate	69	7.306	7.306	0.000	92	183114	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	114567	25.0	24.2	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	196259	25.0	23.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	251020	25.0	24.6	
80 2-Hexanone	43	7.666	7.666	0.000	98	769332	125.0	131.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	85	129665	25.0	25.2	
84 Ethylene Dibromide	107	7.934	7.934	0.000	96	147160	25.0	26.3	
87 Chlorobenzene	112	8.421	8.421	0.000	93	489503	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	40	156892	25.0	25.8	
88 Ethylbenzene	91	8.524	8.524	0.000	98	768201	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	319588	25.0	24.3	
91 o-Xylene	106	9.072	9.072	0.000	97	315108	25.0	24.6	
92 Styrene	104	9.096	9.096	0.000	95	520475	25.0	25.2	
95 Bromoform	173	9.328	9.328	0.000	91	62613	25.0	26.2	
94 Isopropylbenzene	105	9.455	9.455	0.000	96	769696	25.0	24.6	
101 Bromobenzene	156	9.796	9.796	0.000	89	218378	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	82	170247	25.0	24.6	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	60	62652	25.0	25.7	
99 N-Propylbenzene	91	9.882	9.882	0.000	97	883134	25.0	24.8	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	33	82663	25.0	26.1	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	195715	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	663249	25.0	24.8	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	206417	25.0	24.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	162497	25.0	25.6	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	682796	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	823426	25.0	24.6	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	424764	25.0	25.0	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	772647	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	93	420148	25.0	24.4	
115 n-Butylbenzene	91	11.117	11.117	0.000	97	626745	25.0	25.1	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	93	405634	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	48	25618	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	293300	25.0	24.3	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	124789	25.0	23.2	
121 Naphthalene	128	12.773	12.773	0.000	96	708276	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	273684	25.0	24.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	12.50	Units: uL	
GAS CORP mix_00125	Amount Added:	12.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

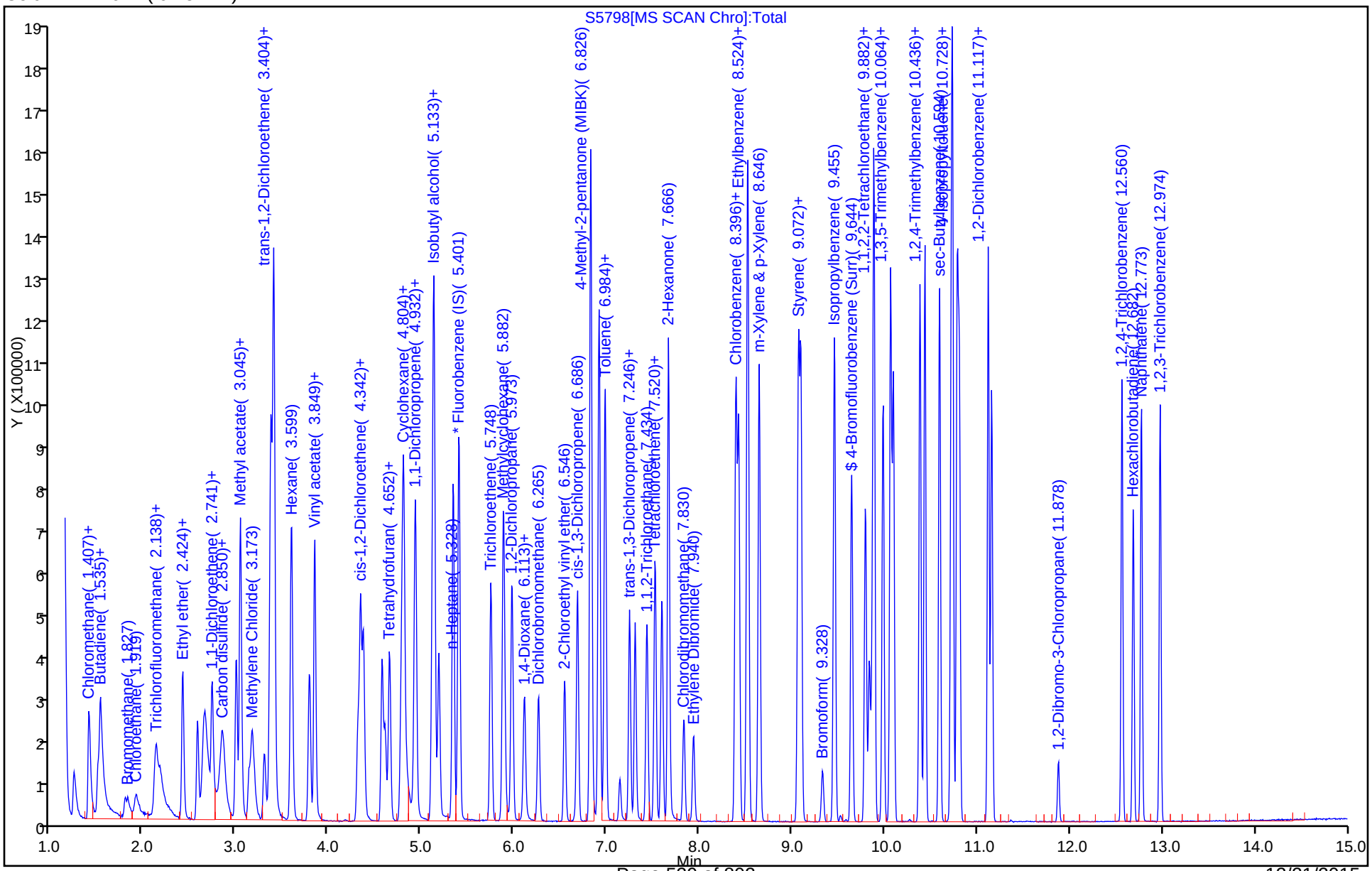
Report Date: 07-Dec-2015 22:59:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D

Injection Date:	07-Dec-2015 15:24:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICIS 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

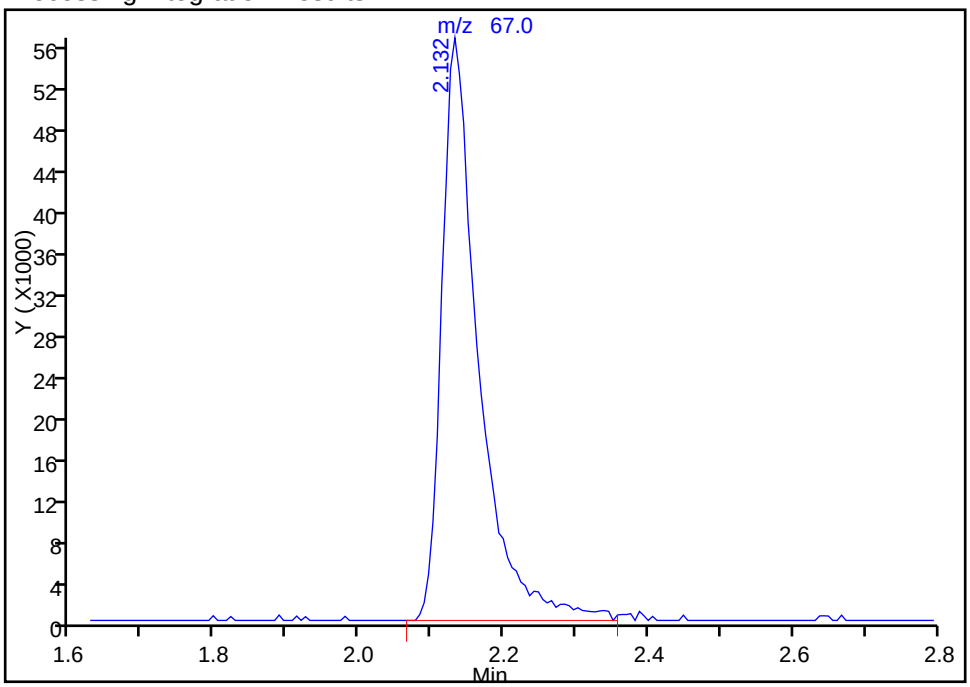
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

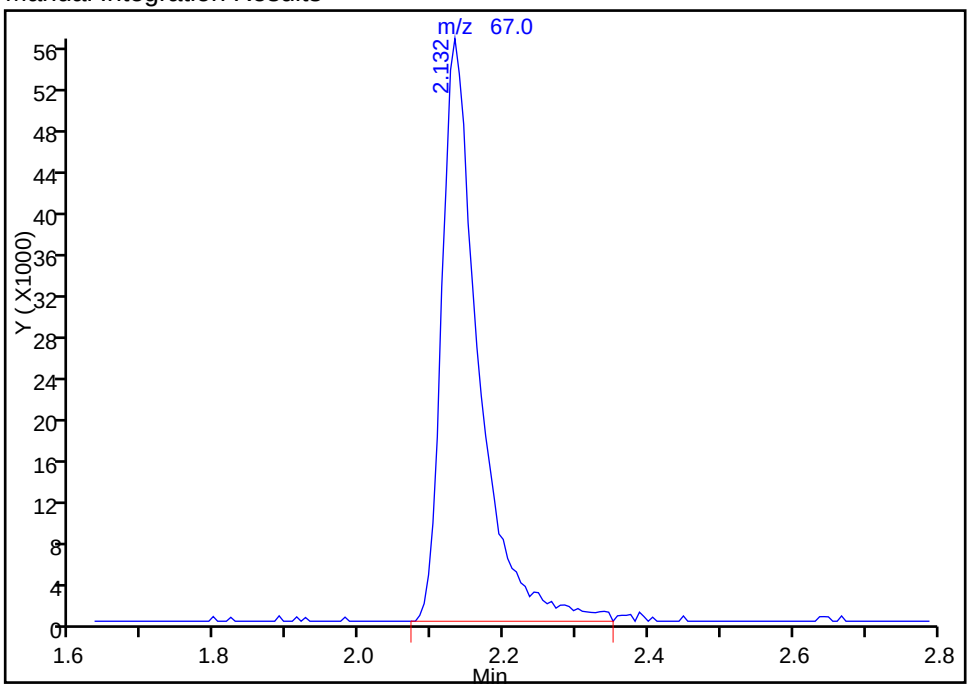
Processing Integration Results

RT: 2.13
Area: 202847
Amount: 24.281576
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 202648
Amount: 25.300133
Amount Units: ug/L



Reviewer: o'briens, 07-Dec-2015 18:22:37
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

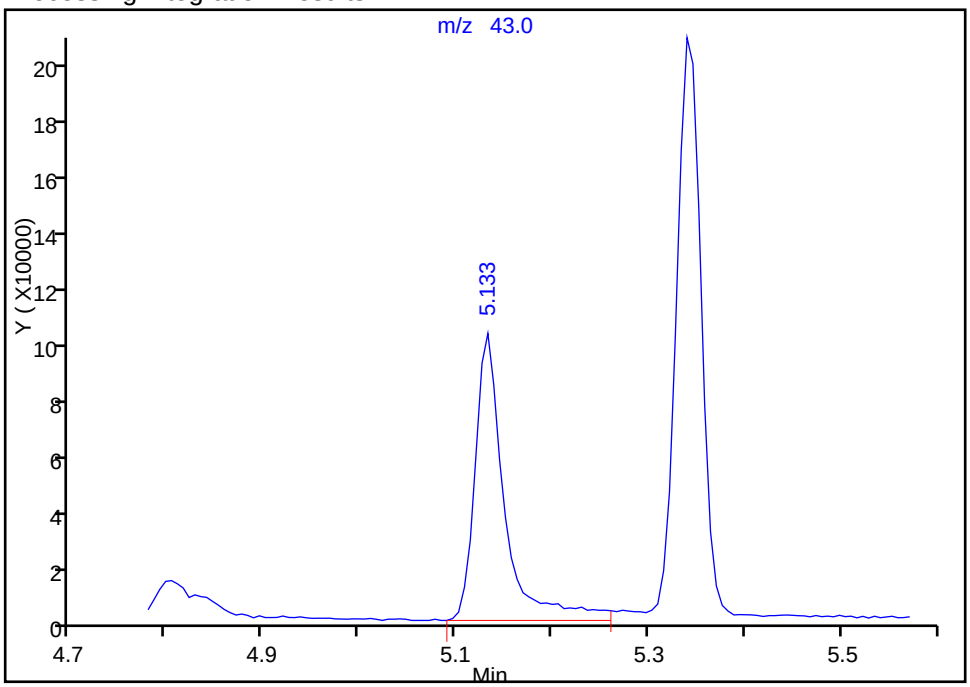
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

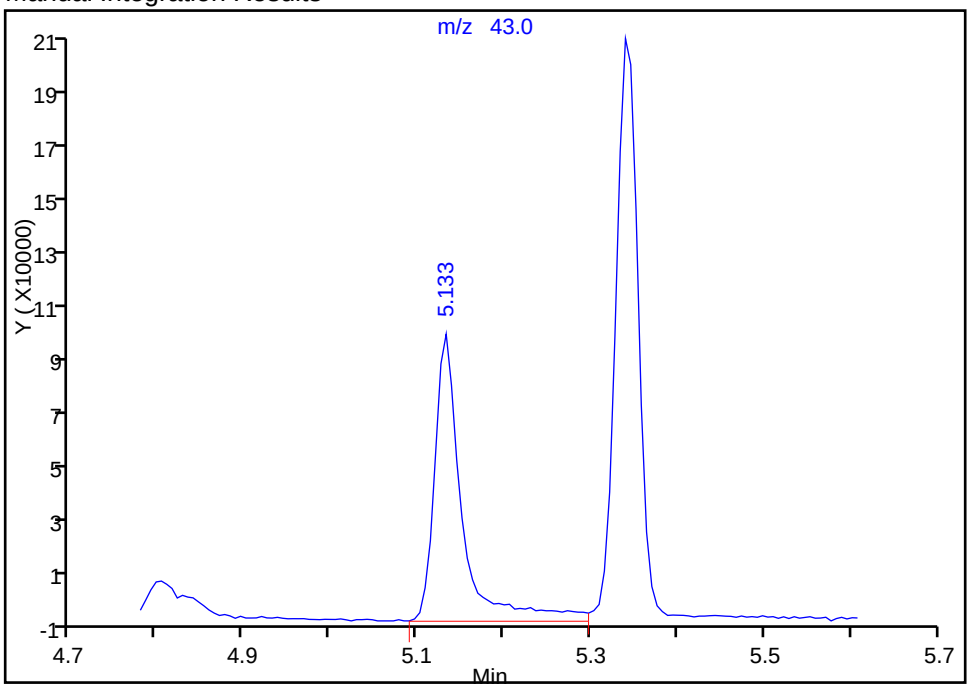
Processing Integration Results

RT: 5.13
Area: 212299
Amount: 609.5241
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 220608
Amount: 623.3198
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

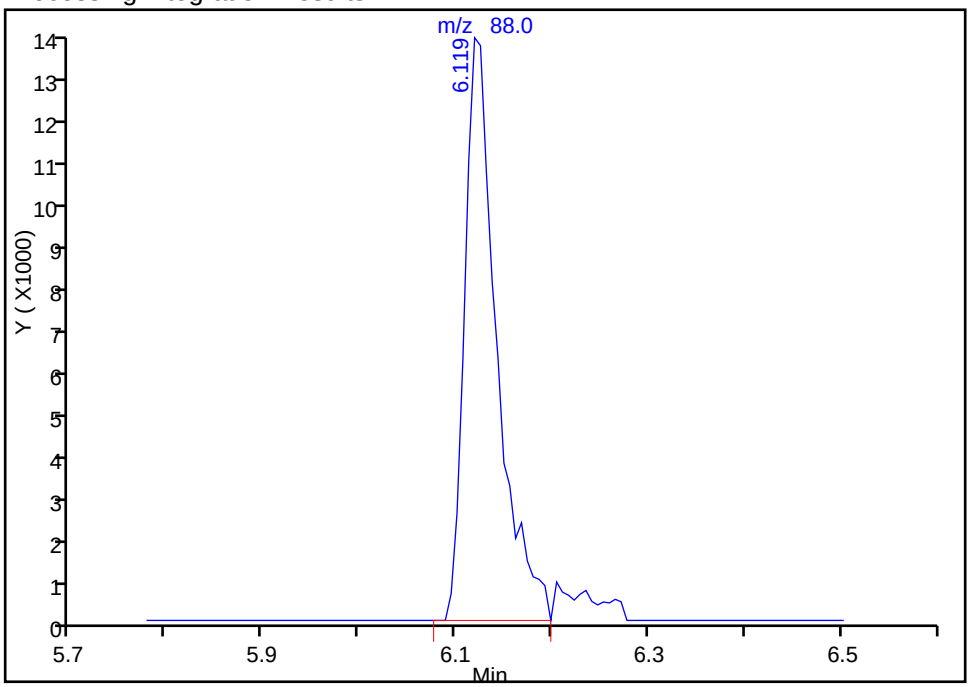
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

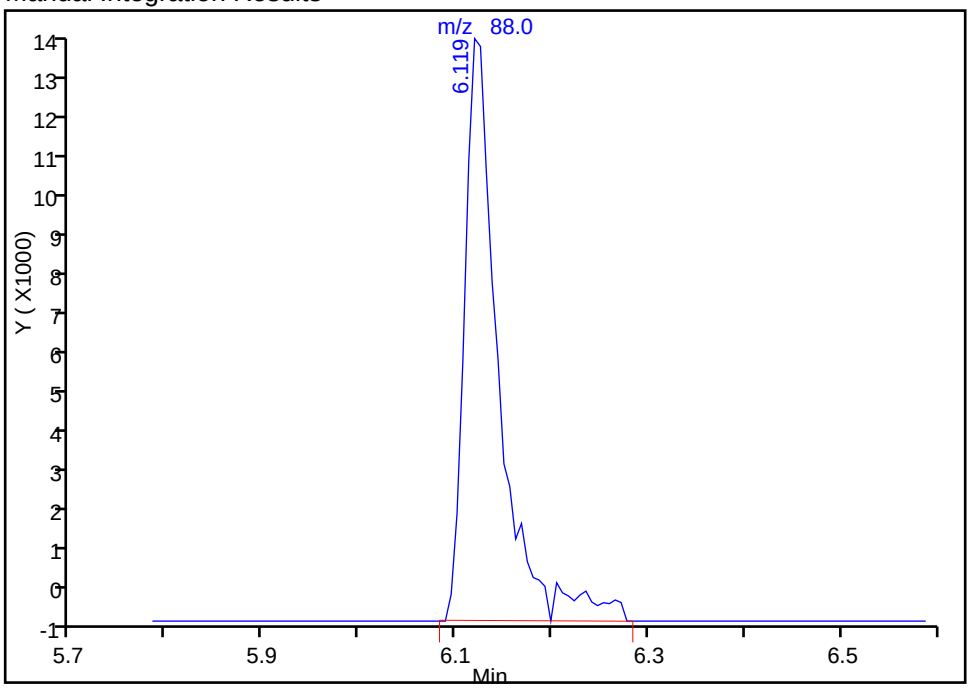
Processing Integration Results

RT: 6.12
Area: 31223
Amount: 480.8678
Amount Units: ug/L



Manual Integration Results

RT: 6.12
Area: 33462
Amount: 509.4945
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Dec-2015 15:47:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0049002-010
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:09 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:19:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	144601	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	319968	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	66	330941	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.000	45	177854	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	119444	27.2	26.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	92	758326	27.2	26.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	244603	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	86	384878	50.0	51.8	
12 Chloromethane	50	1.413	1.407	0.006	89	707401	50.0	49.5	
13 Vinyl chloride	62	1.511	1.505	0.006	81	389881	50.0	50.7	
151 Butadiene	54	1.535	1.535	0.000	86	444921	50.0	47.9	
14 Bromomethane	94	1.821	1.797	0.024	92	114735	50.0	48.8	
15 Chloroethane	64	1.919	1.919	0.000	92	155288	50.0	48.3	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	80	428557	50.0	52.3	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	62	364067	50.0	52.7	
18 Ethyl ether	59	2.424	2.424	0.000	98	410204	50.0	49.1	
20 Acrolein	56	2.582	2.582	0.000	95	412341	250.0	255.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	47	294194	50.0	51.2	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	78	326433	50.0	50.2	
23 Acetone	43	2.741	2.741	0.000	99	666854	250.0	247.8	
25 Iodomethane	142	2.826	2.820	0.006	97	355845	50.0	48.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	919270	50.0	49.2	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	84	654665	50.0	48.6	
27 Methyl acetate	43	3.045	3.045	0.000	97	1788408	250.0	257.7	
30 Methylene Chloride	84	3.173	3.179	-0.006	89	320479	50.0	48.3	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	97	396153	500.0	552.4	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	927310	50.0	49.1	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	326177	50.0	48.6	
33 Acrylonitrile	53	3.404	3.404	0.000	98	1904536	500.0	511.4	
35 Hexane	57	3.593	3.599	-0.006	94	774063	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	711976	50.0	48.8	
37 Vinyl acetate	43	3.849	3.849	0.000	97	1999132	100.0	110.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	260020	50.0	50.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	356979	50.0	48.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	1089965	250.0	255.5	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	188339	50.0	49.5	
49 Tetrahydrofuran	42	4.604	4.603	0.001	93	313782	100.0	97.7	
50 Chloroform	83	4.652	4.652	0.000	83	545719	50.0	48.6	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	405331	50.0	50.3	
52 Cyclohexane	56	4.804	4.804	0.000	92	849146	50.0	48.9	
55 Carbon tetrachloride	117	4.926	4.926	0.000	76	388432	50.0	52.0	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	87	448860	50.0	49.1	
57 Benzene	78	5.133	5.133	0.000	94	1273280	50.0	49.0	
53 Isobutyl alcohol	43	5.133	5.133	0.000	58	515258	1250.0	1422.5	M
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	557623	50.0	47.3	
59 n-Heptane	43	5.340	5.340	0.000	97	795739	50.0	50.7	
62 Trichloroethene	95	5.748	5.748	0.000	90	336443	50.0	49.1	
64 Methylcyclohexane	83	5.888	5.882	0.006	96	594963	50.0	51.2	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	399881	50.0	49.5	
67 Dibromomethane	93	6.107	6.107	0.000	88	181849	50.0	48.8	
66 1,4-Dioxane	88	6.125	6.119	0.006	67	69823	1000.0	1047.6	
68 Dichlorobromomethane	83	6.265	6.265	0.000	91	388124	50.0	54.3	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	89	272104	50.0	51.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	84	529705	50.0	52.3	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	2303686	250.0	262.3	
74 Toluene	92	6.984	6.984	0.000	96	846474	50.0	48.8	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	92	479849	50.0	53.9	
75 Ethyl methacrylate	69	7.307	7.306	0.001	87	398620	50.0	55.2	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	90	231896	50.0	48.3	
81 Tetrachloroethene	166	7.520	7.520	0.000	91	412634	50.0	49.4	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	504839	50.0	48.7	
80 2-Hexanone	43	7.666	7.666	0.000	97	1620695	250.0	272.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	88	291798	50.0	56.0	
84 Ethylene Dibromide	107	7.934	7.934	0.000	97	297386	50.0	52.4	
87 Chlorobenzene	112	8.427	8.421	0.006	94	991172	50.0	48.9	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	330105	50.0	53.5	
88 Ethylbenzene	91	8.524	8.524	0.000	98	1559193	50.0	49.6	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	667091	50.0	50.0	
91 o-Xylene	106	9.072	9.072	0.000	96	650046	50.0	50.0	
92 Styrene	104	9.096	9.096	0.000	95	1059058	50.0	50.6	
95 Bromoform	173	9.328	9.328	0.000	97	151093	50.0	62.3	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	1592966	50.0	50.1	
101 Bromobenzene	156	9.790	9.796	-0.006	90	441115	50.0	49.1	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	353013	50.0	50.1	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	61	123972	50.0	50.0	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	1823439	50.0	50.4	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	170994	50.0	53.0	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	402879	50.0	50.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	96	1366200	50.0	50.1	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	416165	50.0	48.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	341425	50.0	52.9	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	69	1395377	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	1722835	50.0	50.5	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	851308	50.0	49.3	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	1600178	50.0	50.6	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	95	857547	50.0	49.0	
115 n-Butylbenzene	91	11.118	11.117	0.001	97	1306828	50.0	51.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	818524	50.0	48.8	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	75	59301	50.0	55.9	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	605408	50.0	49.2	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	257956	50.0	47.2	
121 Naphthalene	128	12.773	12.773	0.000	97	1470204	50.0	51.4	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	566866	50.0	49.0	
S 125 1,2-Dichloroethene, Total	1				0			97.1	
S 126 1,3-Dichloropropene, Total	1				0			106.2	
S 123 Total BTEX	1				0			247.4	
S 124 Xylenes, Total	1				0			100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	25.00	Units: uL	
GAS CORP mix_00125	Amount Added:	25.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

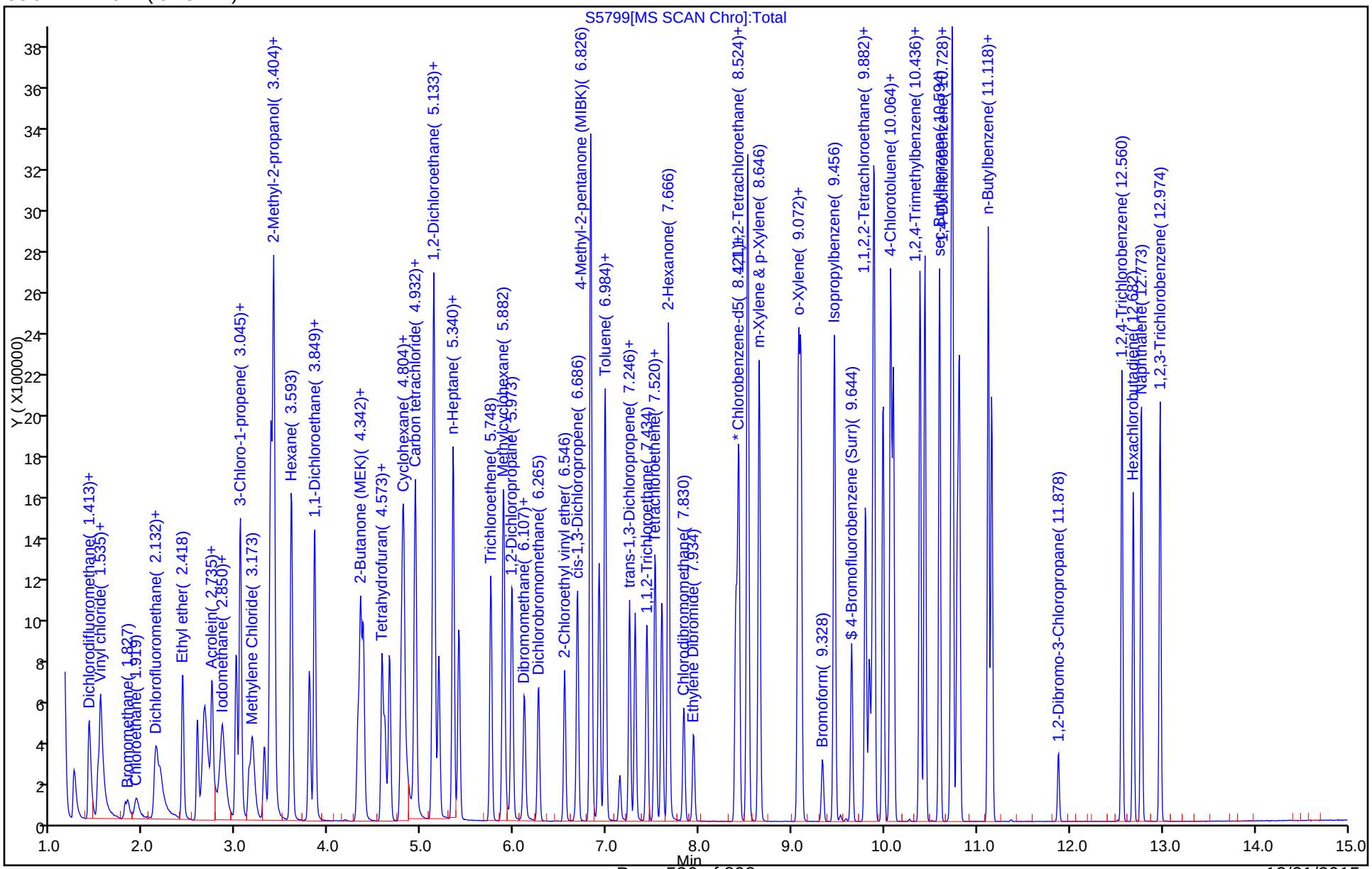
Report Date: 07-Dec-2015 22:59:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D

Injection Date:	07-Dec-2015 15:47:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

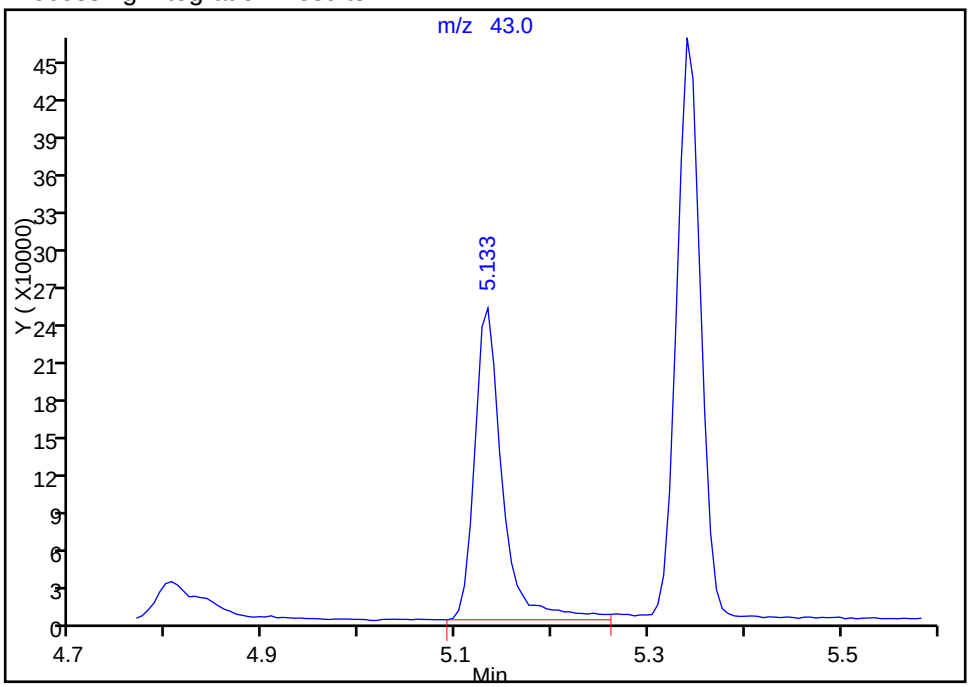
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Injection Date: 07-Dec-2015 15:47:30 Instrument ID: HP5973S
Lims ID: IC 5
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

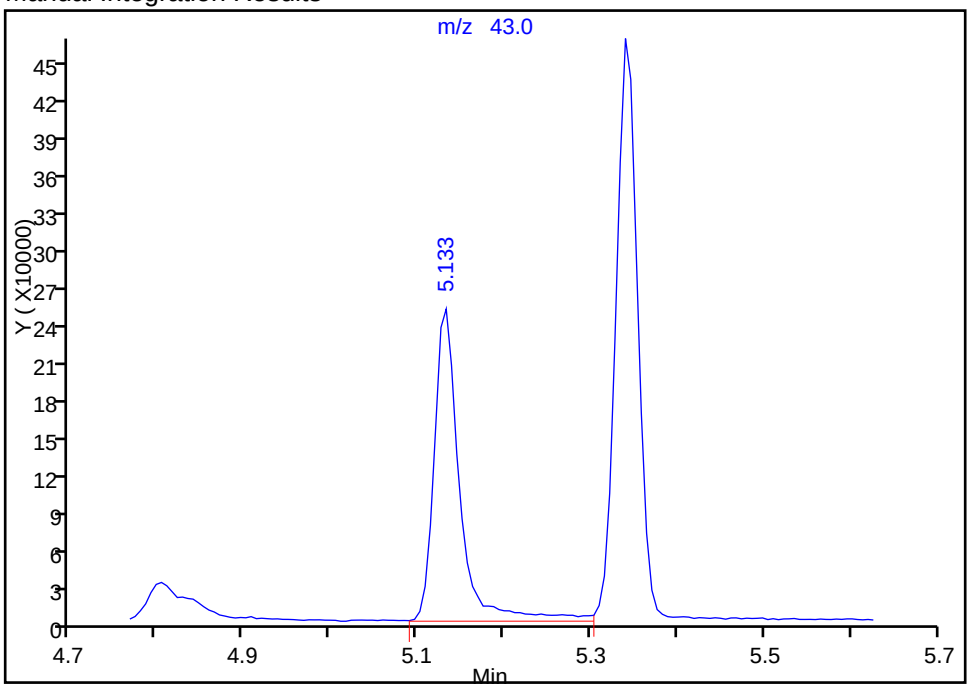
Processing Integration Results

RT: 5.13
Area: 499020
Amount: 1391.0932
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 515258
Amount: 1422.5376
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:45:29
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Dec-2015 16:09:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049002-011
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:10 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:28:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	137826	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	301847	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	37	314709	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.001	32	170114	27.2	27.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	113208	27.2	26.5	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	733388	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	238419	27.2	28.0	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	87	732166	100.0	103.3	
12 Chloromethane	50	1.407	1.407	0.000	88	1359630	100.0	99.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	767389	100.0	104.8	
151 Butadiene	54	1.535	1.535	0.000	85	919655	100.0	103.8	
14 Bromomethane	94	1.797	1.797	0.000	89	233914	100.0	104.5	
15 Chloroethane	64	1.919	1.919	0.000	92	319861	100.0	104.7	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	81	839254	100.0	107.4	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	69	711886	100.0	108.2	
18 Ethyl ether	59	2.418	2.424	-0.006	97	814181	100.0	102.3	
20 Acrolein	56	2.576	2.582	-0.006	96	824014	500.0	535.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.655	2.649	0.006	44	574499	100.0	104.9	
22 1,1-Dichloroethene	96	2.662	2.661	0.001	79	639416	100.0	103.2	
23 Acetone	43	2.735	2.741	-0.006	100	1294453	500.0	504.6	
25 Iodomethane	142	2.814	2.820	-0.006	97	790710	100.0	113.7	
26 Carbon disulfide	76	2.850	2.850	0.000	99	1850817	100.0	104.0	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	85	1251259	100.0	97.5	
27 Methyl acetate	43	3.039	3.045	-0.006	97	3501767	500.0	529.4	
30 Methylene Chloride	84	3.167	3.179	-0.012	87	635449	100.0	101.2	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	97	831957	1000.0	1217.1	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	1798787	100.0	100.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	629624	100.0	98.4	
33 Acrylonitrile	53	3.404	3.404	0.000	98	3721025	1000.0	1048.3	
35 Hexane	57	3.593	3.599	-0.006	94	1490572	100.0	103.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	1388492	100.0	99.8	
37 Vinyl acetate	43	3.843	3.849	-0.006	97	4048027	200.0	233.9	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	87	507948	100.0	102.7	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	685068	100.0	97.8	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	2186412	500.0	537.6	
48 Chlorobromomethane	128	4.573	4.573	0.000	87	358803	100.0	98.8	
49 Tetrahydrofuran	42	4.604	4.603	0.001	94	626974	200.0	204.8	
50 Chloroform	83	4.652	4.652	0.000	83	1062310	100.0	99.3	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	91	806655	100.0	105.0	
52 Cyclohexane	56	4.804	4.804	0.000	91	1745813	100.0	105.5	
55 Carbon tetrachloride	117	4.926	4.926	0.000	75	780531	100.0	109.6	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	85	864665	100.0	99.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	64	1081037	2500.0	3131.3	M
57 Benzene	78	5.133	5.133	0.000	93	2374990	100.0	95.8	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	1074152	100.0	95.6	
59 n-Heptane	43	5.340	5.340	0.000	97	1514477	100.0	101.3	
62 Trichloroethene	95	5.748	5.748	0.000	90	654158	100.0	100.1	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	1158878	100.0	104.5	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	89	783659	100.0	101.8	
67 Dibromomethane	93	6.107	6.107	0.000	87	350847	100.0	98.8	
66 1,4-Dioxane	88	6.119	6.119	0.000	52	134550	2000.0	2139.9	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	91	779182	100.0	114.4	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	88	541526	100.0	106.9	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	85	1040474	100.0	107.9	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	97	4467025	500.0	539.2	
74 Toluene	92	6.984	6.984	0.000	98	1629513	100.0	99.5	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	953423	100.0	113.5	
75 Ethyl methacrylate	69	7.307	7.306	0.001	88	802412	100.0	117.9	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	446618	100.0	98.6	
81 Tetrachloroethene	166	7.526	7.520	0.006	92	787428	100.0	99.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	976493	100.0	99.9	
80 2-Hexanone	43	7.666	7.666	0.000	80	3168492	500.0	563.9	
83 Chlorodibromomethane	129	7.830	7.830	0.000	89	626312	100.0	127.4	
84 Ethylene Dibromide	107	7.940	7.934	0.006	99	581097	100.0	108.5	
87 Chlorobenzene	112	8.427	8.421	0.006	94	1886737	100.0	98.8	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	658067	100.0	113.0	
88 Ethylbenzene	91	8.524	8.524	0.000	97	2945674	100.0	99.3	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	1276629	100.0	101.5	
91 o-Xylene	106	9.072	9.072	0.000	96	1249533	100.0	101.9	
92 Styrene	104	9.096	9.096	0.000	95	2015443	100.0	102.1	
95 Bromoform	173	9.328	9.328	0.000	98	345799	100.0	151.1	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	3037383	100.0	100.4	
101 Bromobenzene	156	9.797	9.796	0.001	88	851016	100.0	99.7	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	696118	100.0	104.0	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	63	242757	100.0	102.9	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	3410446	100.0	99.1	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	361615	100.0	117.8	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	770020	100.0	101.9	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	2586418	100.0	99.7	
105 4-Chlorotoluene	126	10.095	10.095	0.000	97	811729	100.0	99.3	
106 tert-Butylbenzene	134	10.381	10.381	0.000	93	652188	100.0	106.3	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	2624879	100.0	99.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	3215691	100.0	99.1	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	1611103	100.0	98.1	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	2985715	100.0	99.3	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	1636702	100.0	98.3	
115 n-Butylbenzene	91	11.118	11.117	0.001	96	2426545	100.0	100.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	1567356	100.0	98.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.007	82	129795	100.0	128.7	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	1174572	100.0	100.4	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	95	505418	100.0	97.2	
121 Naphthalene	128	12.773	12.773	0.000	97	2943541	100.0	108.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	1111686	100.0	101.1	
S 125 1,2-Dichloroethene, Total	1				0			196.1	
S 126 1,3-Dichloropropene, Total	1				0			221.4	
S 123 Total BTEX	1				0			498.1	
S 124 Xylenes, Total	1				0			203.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	50.00	Units: uL	
GAS CORP mix_00125	Amount Added:	50.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

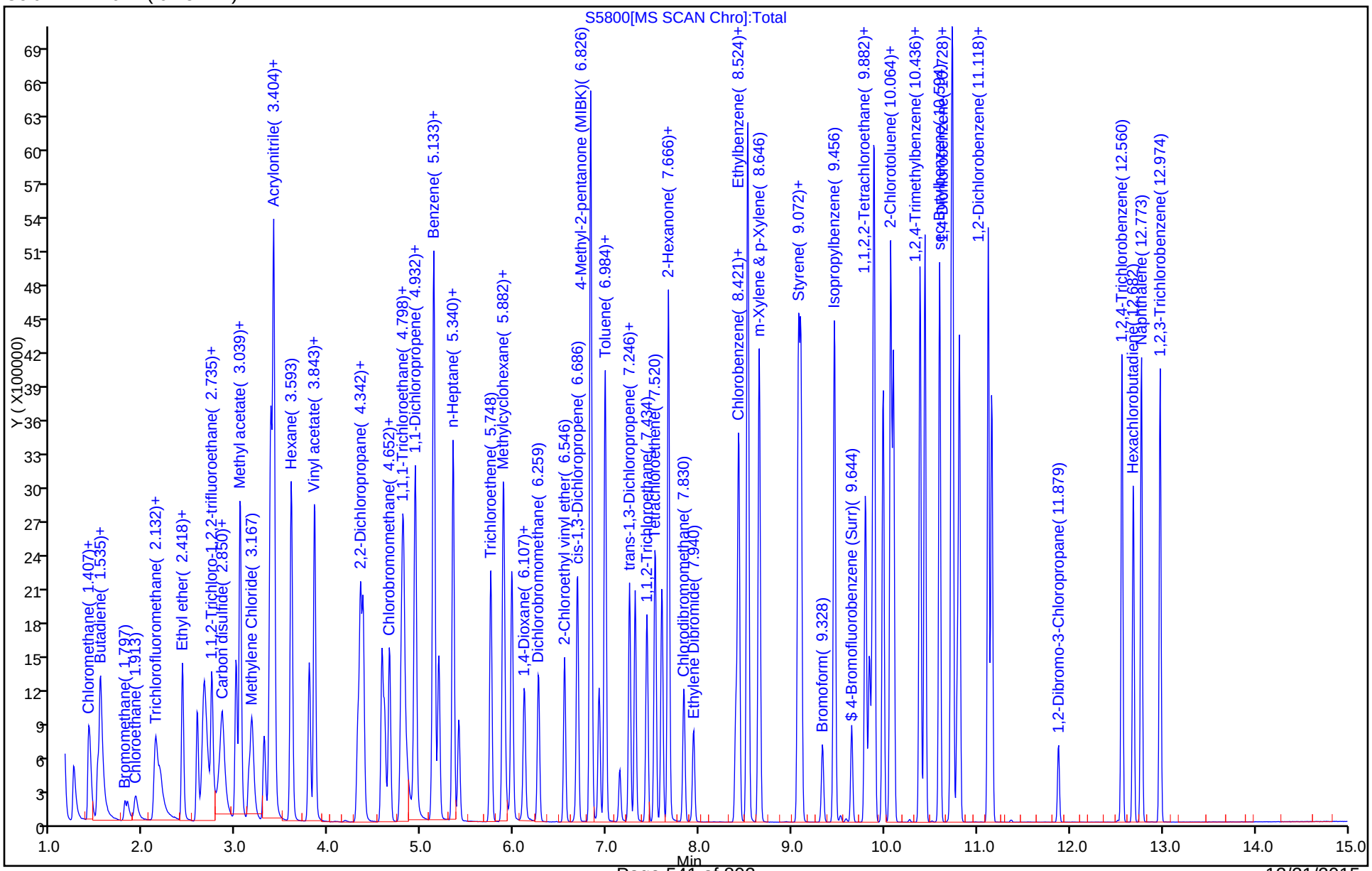
Report Date: 07-Dec-2015 22:59:11 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D

Injection Date:	07-Dec-2015 16:09:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

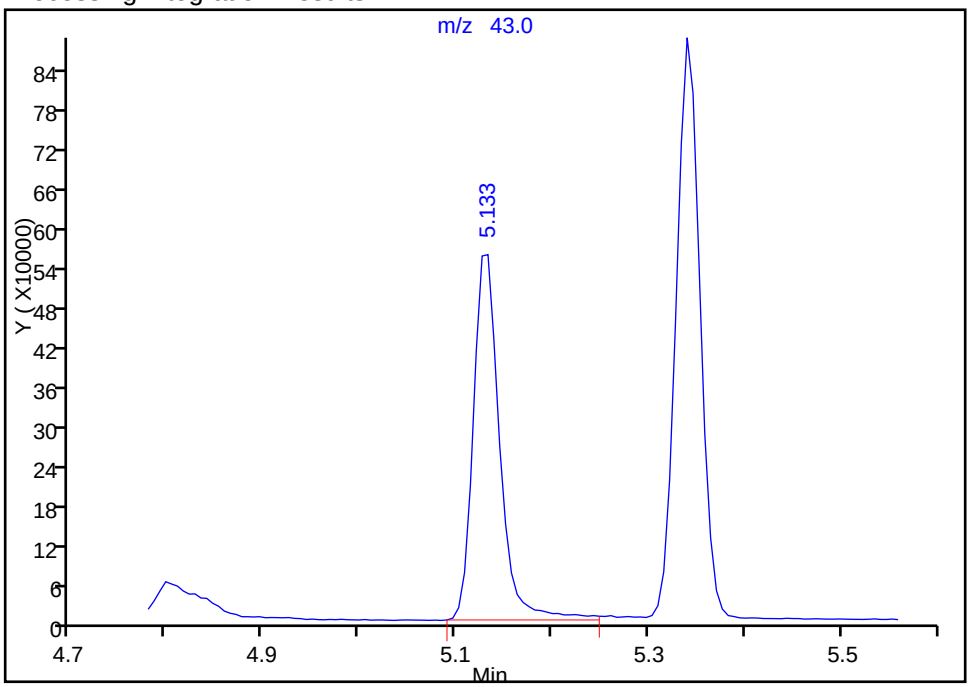
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Injection Date: 07-Dec-2015 16:09:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

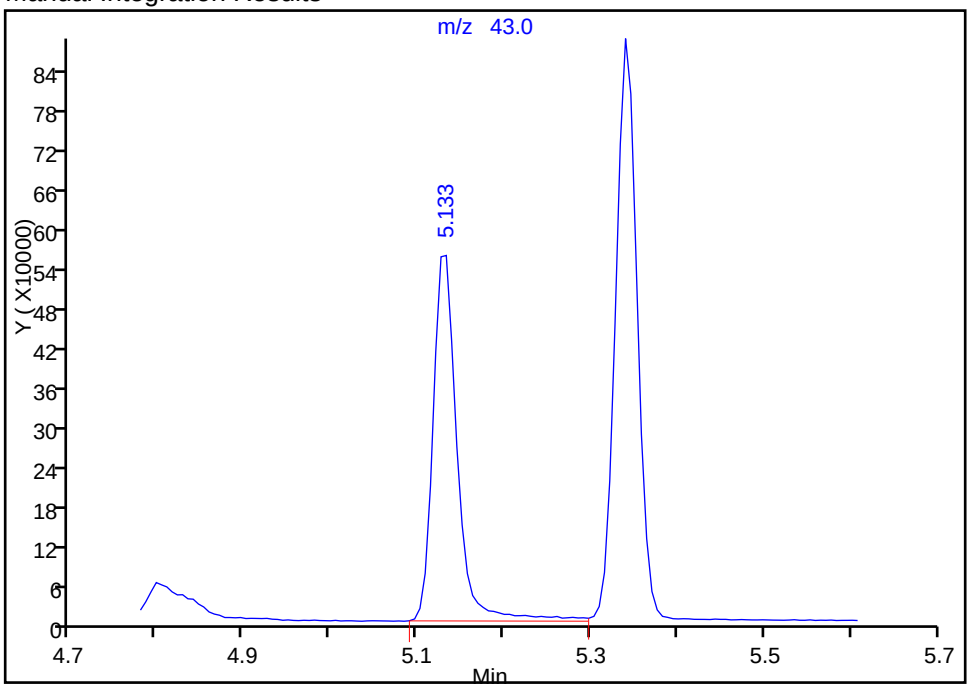
Processing Integration Results

RT: 5.13
Area: 1062160
Amount: 3087.8422
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 1081037
Amount: 3131.2643
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:46:28
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Dec-2015 16:55:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MDLV
Misc. Info.: 480-0049002-013
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:14 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:27:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	135202	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.396	-0.006	89	312613	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	95	322469	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.810	-0.006	80	167995	27.2	27.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118176	27.2	28.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	95	737390	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	88	237257	27.2	26.9	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	25	6613	1.00	0.9511	
12 Chloromethane	50	1.401	1.407	-0.006	82	13098	1.00	0.9804	
13 Vinyl chloride	62	1.505	1.505	0.000	19	7198	1.00	1.00	M
151 Butadiene	54	1.529	1.535	-0.006	78	10411	1.00	1.20	
14 Bromomethane	94	1.821	1.797	0.024	1	2469	1.00	1.12	M
15 Chloroethane	64	1.919	1.919	0.000	36	5032	1.00	1.39	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	20	6231	1.00	0.8130	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	24	5884	1.00	0.9116	
18 Ethyl ether	59	2.418	2.424	-0.006	76	8660	1.00	1.11	
20 Acrolein	56	2.582	2.582	0.000	64	7614	5.00	5.05	
21 1,1,2-Trichloro-1,2,2-trif	101	2.662	2.649	0.013	1	5113	1.00	0.9514	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	50	5862	1.00	0.9641	
23 Acetone	43	2.741	2.741	0.000	87	13871	5.00	5.51	
25 Iodomethane	142	2.808	2.820	-0.012	46	7480	1.00	1.10	M
26 Carbon disulfide	76	2.844	2.850	-0.006	63	19097	1.00	1.09	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	78	15011	1.00	1.19	
27 Methyl acetate	43	3.051	3.045	0.006	97	33957	5.00	5.23	
30 Methylene Chloride	84	3.167	3.179	-0.012	68	9996	1.00	0.9543	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	78	6369	10.0	9.50	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	83	18482	1.00	1.05	
34 trans-1,2-Dichloroethene	96	3.374	3.380	-0.006	69	6733	1.00	1.07	
33 Acrylonitrile	53	3.410	3.404	0.006	96	36255	10.0	10.4	
35 Hexane	57	3.593	3.599	-0.006	84	15020	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	47	15197	1.00	1.11	
37 Vinyl acetate	43	3.849	3.849	0.000	94	30225	2.00	1.78	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	50	4345	1.00	0.8953	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	33	7253	1.00	1.06	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	88	19526	5.00	4.89	
48 Chlorobromomethane	128	4.573	4.573	0.000	64	3560	1.00	1.00	
49 Tetrahydrofuran	42	4.616	4.603	0.013	85	6956	2.00	2.32	
50 Chloroform	83	4.658	4.652	0.006	55	11272	1.00	1.07	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	12	7522	1.00	1.00	
52 Cyclohexane	56	4.804	4.804	0.000	14	17900	1.00	1.10	
55 Carbon tetrachloride	117	4.926	4.926	0.000	57	7184	1.00	1.03	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	69	8990	1.00	1.05	
53 Isobutyl alcohol	43	5.133	5.133	0.000	16	8143	25.0	24.0	
57 Benzene	78	5.133	5.133	0.000	66	25278	1.00	1.04	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	40	11969	1.00	1.09	
59 n-Heptane	43	5.346	5.340	0.006	85	15574	1.00	1.06	
62 Trichloroethene	95	5.748	5.748	0.000	67	7199	1.00	1.12	
64 Methylcyclohexane	83	5.882	5.882	0.000	74	11222	1.00	1.03	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	55	7838	1.00	1.04	
67 Dibromomethane	93	6.107	6.107	0.000	67	3681	1.00	1.06	
66 1,4-Dioxane	88	6.125	6.119	0.006	0	1390	20.0	21.3	M
68 Dichlorobromomethane	83	6.259	6.265	-0.006	45	6152	1.00	0.9205	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	27	4816	1.00	0.9692	
72 cis-1,3-Dichloropropene	75	6.679	6.686	-0.007	51	9288	1.00	0.9815	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	91	39518	5.00	4.61	
74 Toluene	92	6.984	6.984	0.000	69	17324	1.00	1.02	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	50	7772	1.00	0.8933	
75 Ethyl methacrylate	69	7.307	7.306	0.001	45	5988	1.00	0.8493	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	44	5225	1.00	1.11	
81 Tetrachloroethene	166	7.520	7.520	0.000	63	8336	1.00	1.02	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	69	10430	1.00	1.03	
80 2-Hexanone	43	7.672	7.666	0.006	91	23708	5.00	4.07	
83 Chlorodibromomethane	129	7.830	7.830	0.000	21	4289	1.00	0.8421	
84 Ethylene Dibromide	107	7.934	7.934	0.000	33	4267	1.00	0.7692	
87 Chlorobenzene	112	8.427	8.421	0.006	38	20023	1.00	1.01	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	18	4798	1.00	0.7953	
88 Ethylbenzene	91	8.524	8.524	0.000	81	30032	1.00	0.9778	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	13220	1.00	1.01	
91 o-Xylene	106	9.066	9.072	-0.006	85	12418	1.00	0.9775	
92 Styrene	104	9.096	9.096	0.000	61	19725	1.00	0.9645	
95 Bromoform	173	9.334	9.328	0.006	11	2202	1.00	0.9288	
94 Isopropylbenzene	105	9.456	9.455	0.001	74	31400	1.00	1.01	
101 Bromobenzene	156	9.790	9.796	-0.006	50	9180	1.00	1.05	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	22	7132	1.00	1.04	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	51	2239	1.00	0.9266	
99 N-Propylbenzene	91	9.888	9.882	0.006	84	35048	1.00	0.99	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	4	2669	1.00	0.8488	
103 2-Chlorotoluene	126	9.985	9.985	0.000	87	8049	1.00	1.04	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	83	26580	1.00	1.00	
105 4-Chlorotoluene	126	10.095	10.095	0.000	79	8559	1.00	1.02	
106 tert-Butylbenzene	134	10.381	10.381	0.000	70	5521	1.00	0.8783	
107 1,2,4-Trimethylbenzene	105	10.430	10.436	-0.006	48	26822	1.00	0.9877	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	73	33715	1.00	1.01	
111 1,3-Dichlorobenzene	146	10.716	10.722	-0.006	77	18143	1.00	1.08	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	85	30093	1.00	0.9770	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	13	18718	1.00	1.10	
115 n-Butylbenzene	91	11.118	11.117	0.001	74	23770	1.00	0.9608	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	77	16891	1.00	1.03	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.006	1	889	1.00	0.8602	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	65	12342	1.00	1.03	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	55	6836	1.00	1.28	
121 Naphthalene	128	12.773	12.773	0.000	82	26740	1.00	0.9589	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	68	11395	1.00	1.01	
S 125 1,2-Dichloroethene, Total	1				0			2.13	
S 126 1,3-Dichloropropene, Total	1				0			1.87	
S 123 Total BTEX	1				0			5.03	
S 124 Xylenes, Total	1				0			1.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
GAS CORP mix_00125	Amount Added:	1.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

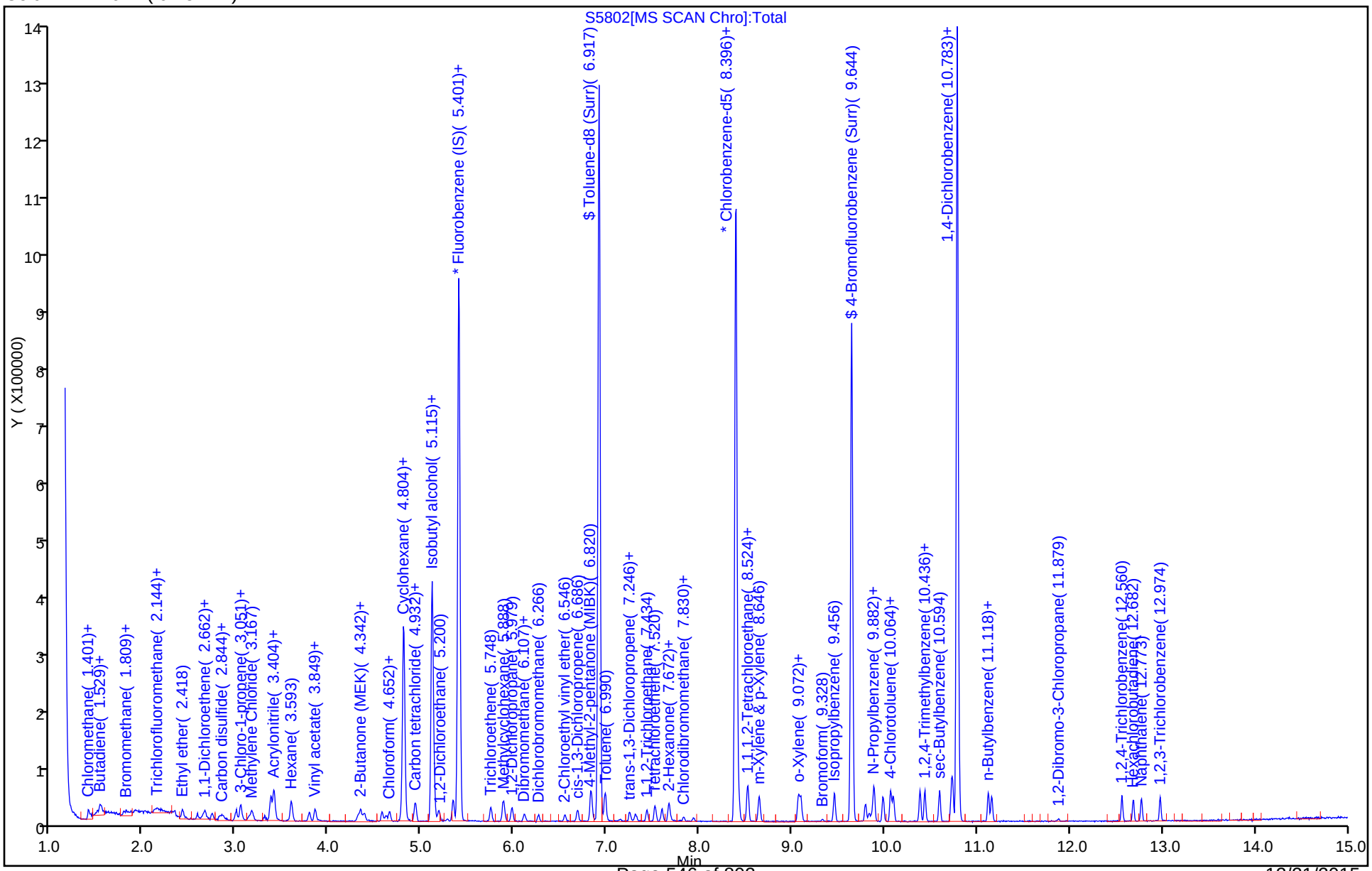
Report Date: 07-Dec-2015 22:59:15 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D

Injection Date:	07-Dec-2015 16:55:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

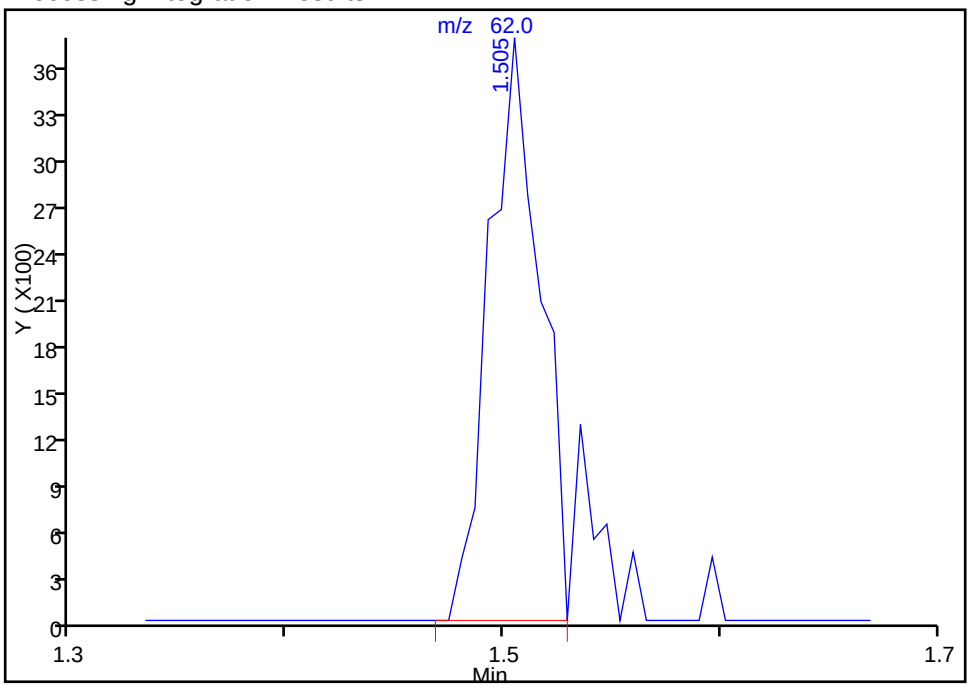
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

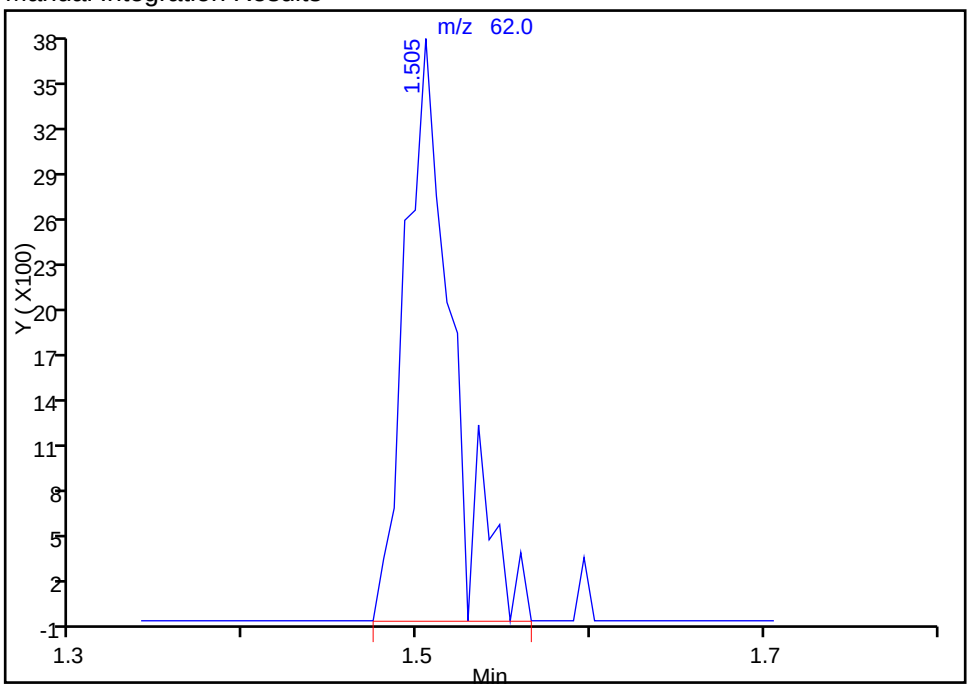
Processing Integration Results

RT: 1.50
Area: 6139
Amount: 0.892261
Amount Units: ug/L



Manual Integration Results

RT: 1.50
Area: 7198
Amount: 1.001913
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

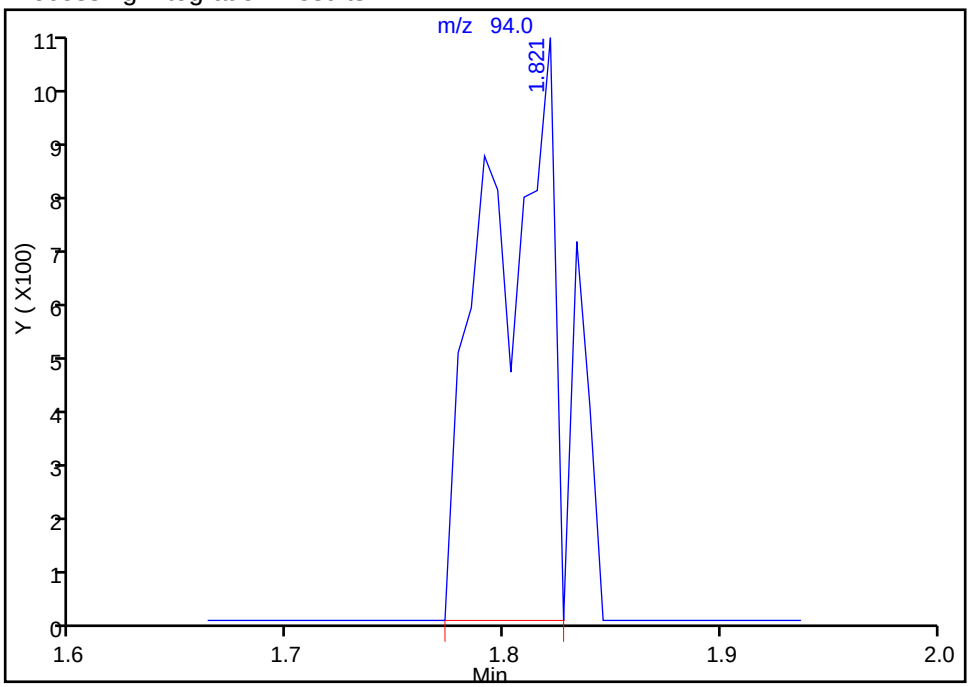
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

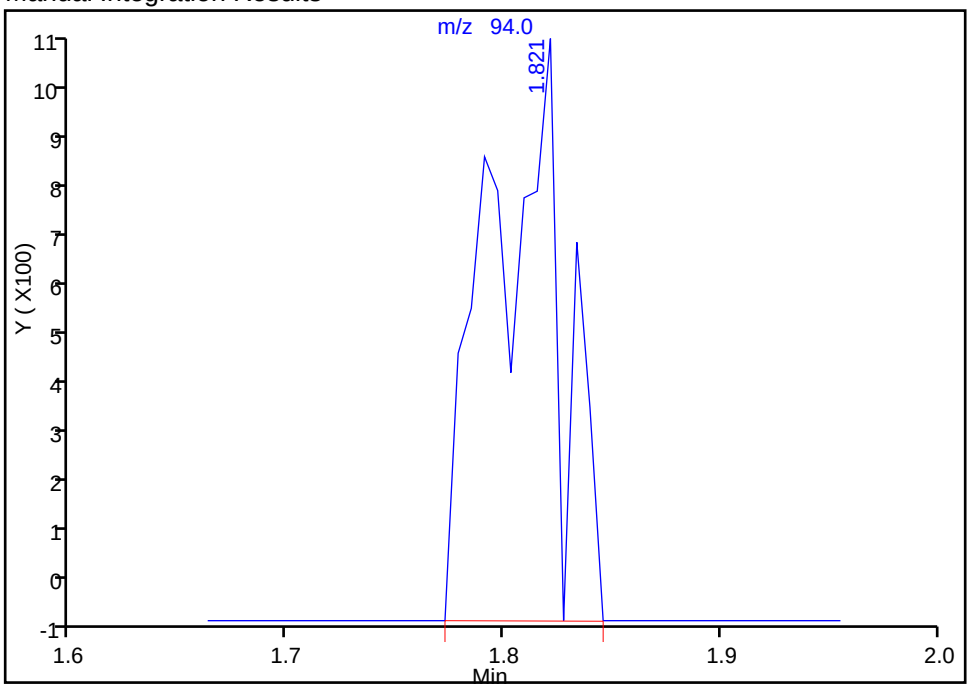
Processing Integration Results

RT: 1.82
Area: 2077
Amount: 0.934132
Amount Units: ug/L



Manual Integration Results

RT: 1.82
Area: 2469
Amount: 1.123982
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

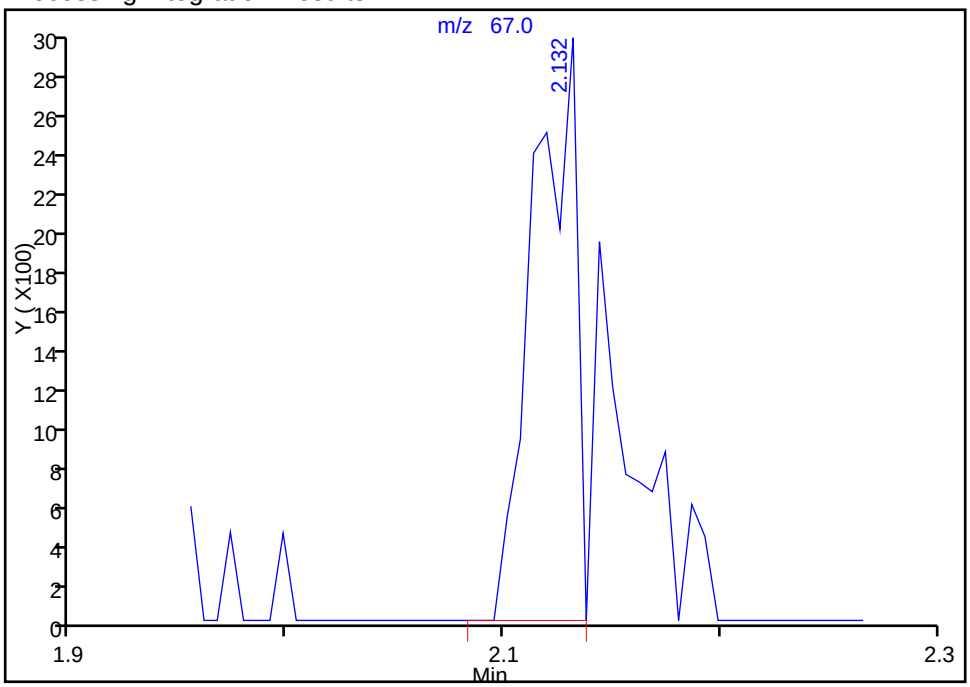
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

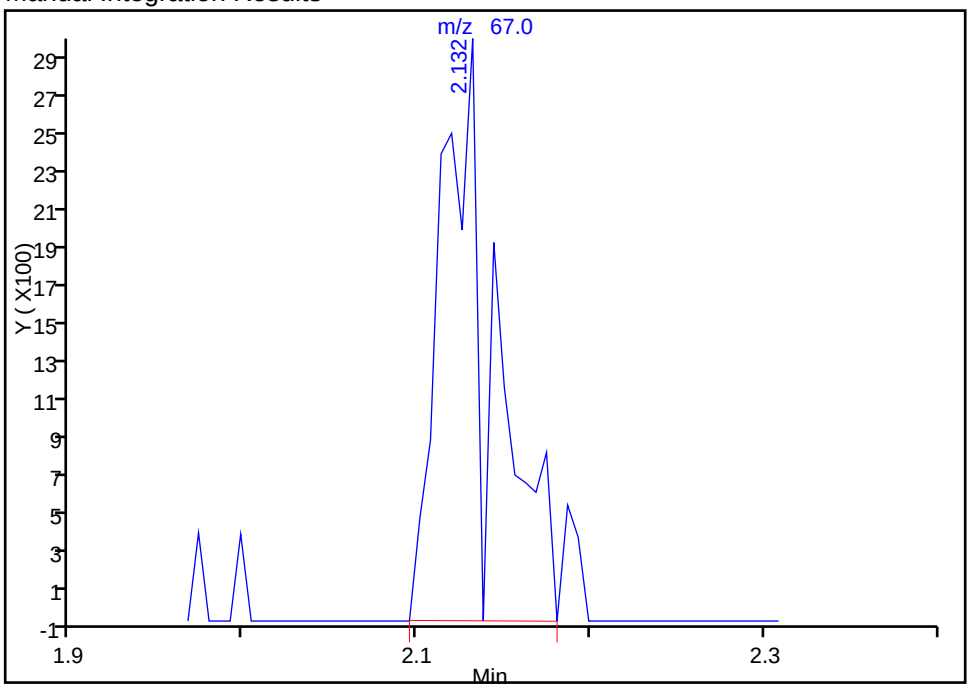
Processing Integration Results

RT: 2.13
Area: 4051
Amount: 0.550929
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 6231
Amount: 0.812972
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

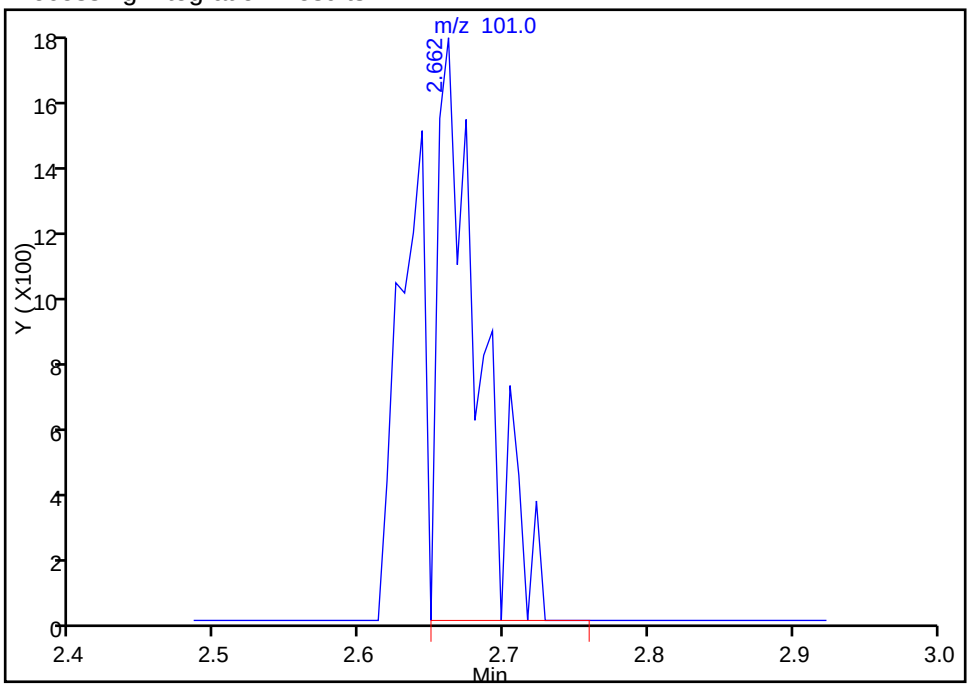
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

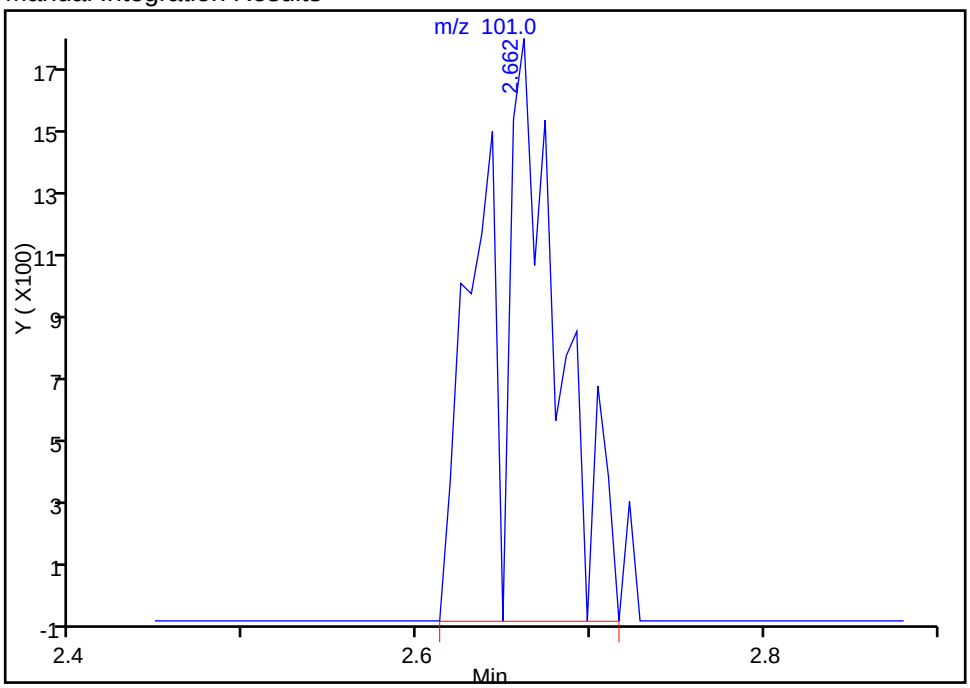
Processing Integration Results

RT: 2.66
Area: 3430
Amount: 0.697132
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 5113
Amount: 0.951410
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

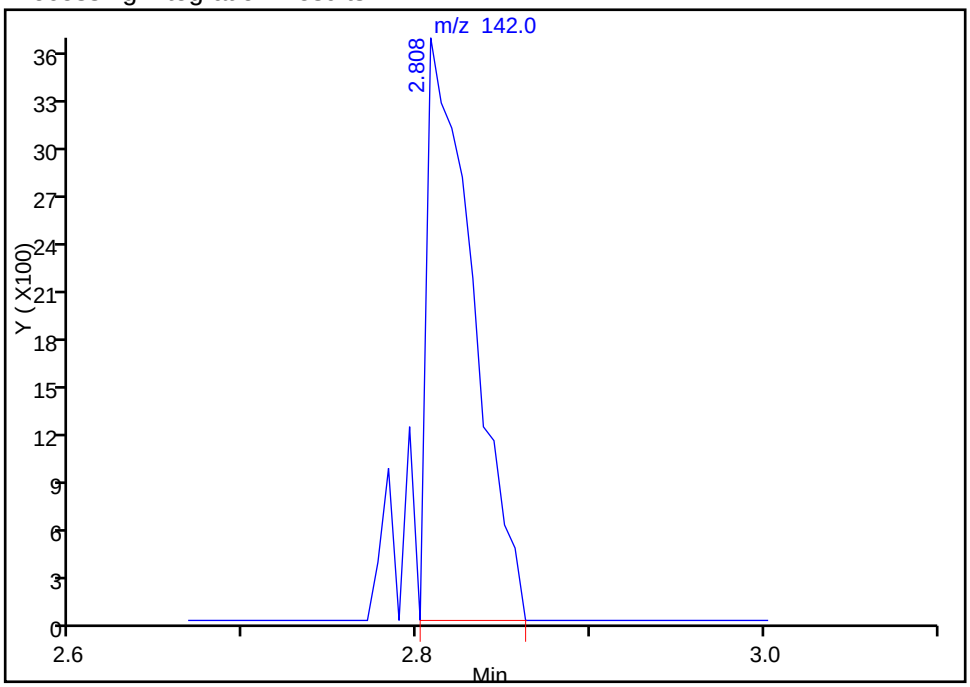
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

25 Iodomethane, CAS: 74-88-4

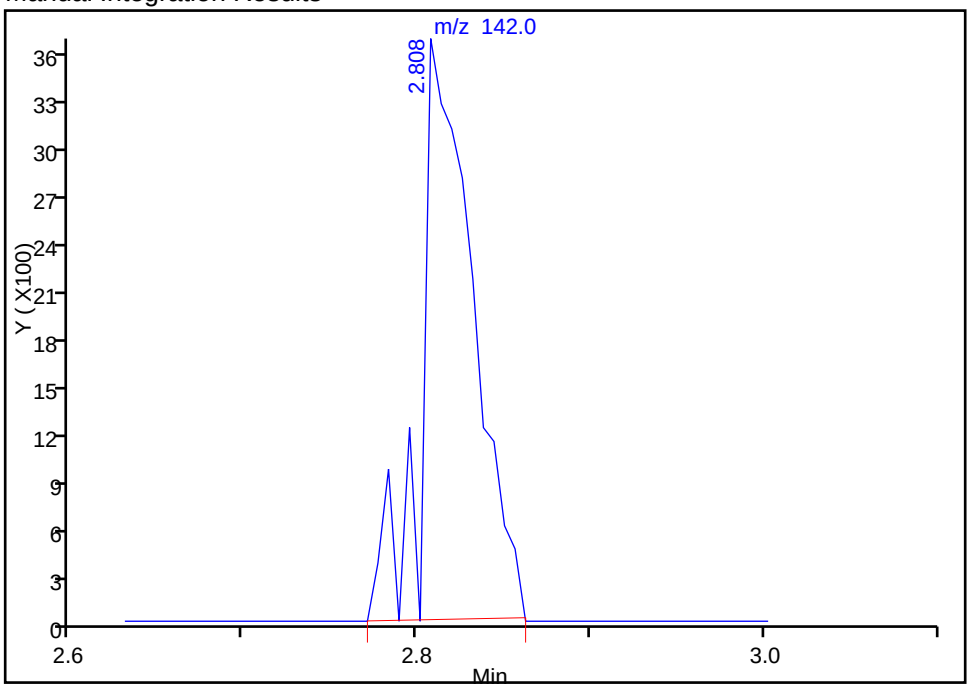
Processing Integration Results

RT: 2.81
Area: 6630
Amount: 1.042307
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 7480
Amount: 1.096899
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

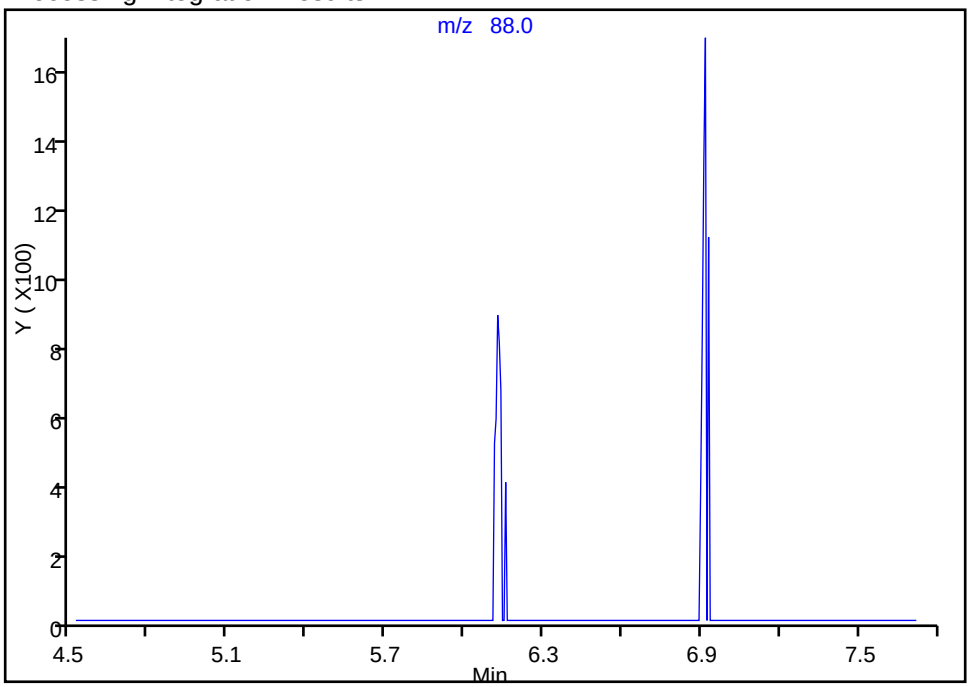
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

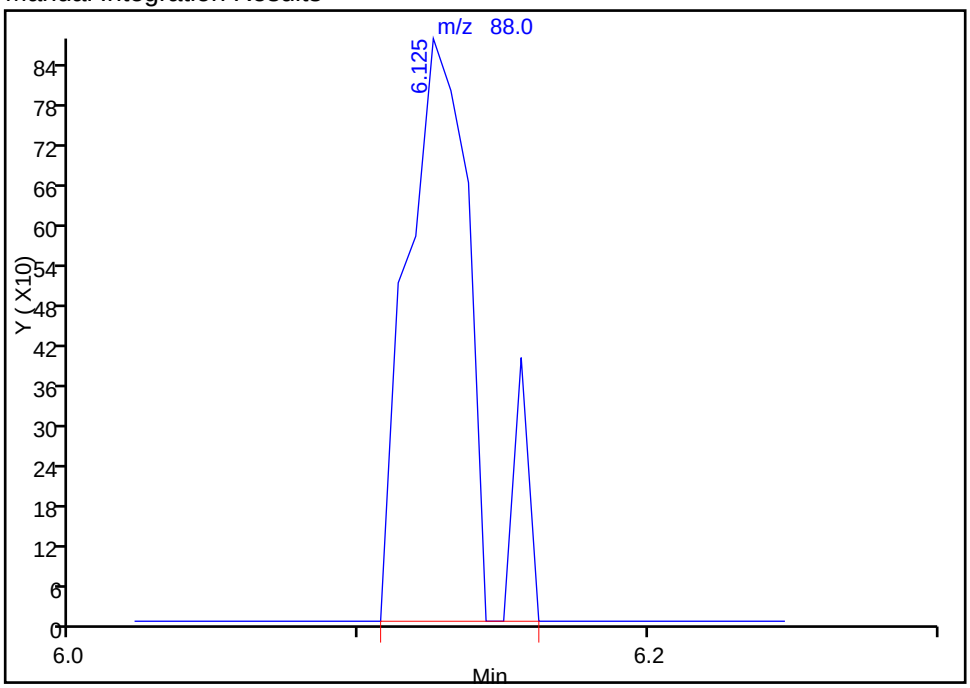
Not Detected
Expected RT: 6.12

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 1390
Amount: 21.345735
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-280006/2 Calibration Date: 12/16/2015 10:01

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C59691.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.590	2.459	0.1000	23.7	25.0	-5.1	50.0
Chloromethane	Ave	2.715	2.485	0.1000	22.9	25.0	-8.5	20.0
Vinyl chloride	Ave	2.355	2.402	0.1000	25.5	25.0	2.0	20.0
Butadiene	Ave	2.449	2.404		24.5	25.0	-1.8	20.0
Bromomethane	Ave	1.620	1.606	0.1000	24.8	25.0	-0.9	50.0
Chloroethane	Ave	1.503	1.491	0.1000	24.8	25.0	-0.8	50.0
Dichlorofluoromethane	Ave	3.990	3.977		24.9	25.0	-0.3	20.0
Trichlorofluoromethane	Ave	3.745	3.930	0.1000	26.2	25.0	4.9	20.0
Ethyl ether	Ave	1.926	1.882		24.4	25.0	-2.3	20.0
Acrolein	Ave	0.3260	0.3349		128	125	2.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.065	2.197	0.1000	26.6	25.0	6.4	20.0
1,1-Dichloroethene	Ave	1.877	1.824	0.1000	24.3	25.0	-2.8	20.0
Acetone	Ave	0.5773	0.5634	0.1000	122	125	-2.4	50.0
Iodomethane	Ave	3.626	3.546		24.4	25.0	-2.2	20.0
Carbon disulfide	Ave	7.423	7.522	0.1000	25.3	25.0	1.3	20.0
Methyl acetate	Ave	1.453	1.490	0.1000	128	125	2.5	50.0
Allyl chloride	Ave	3.437	3.314		24.1	25.0	-3.6	20.0
Methylene Chloride	Lin1		2.081	0.1000	25.2	25.0	0.8	20.0
2-Methyl-2-propanol	Ave	0.1907	0.2638		346	250	38.3	50.0
Methyl tert-butyl ether	Ave	5.999	5.981	0.1000	24.9	25.0	-0.3	20.0
trans-1,2-Dichloroethene	Ave	2.002	2.024	0.1000	25.3	25.0	1.1	20.0
Acrylonitrile	Ave	0.7227	0.7728		267	250	6.9	20.0
Hexane	Ave	3.110	3.331		26.8	25.0	7.1	20.0
Vinyl acetate	Ave	4.225	4.587		54.3	50.0	8.6	20.0
1,1-Dichloroethane	Ave	3.852	3.955	0.2000	25.7	25.0	2.7	20.0
2-Butanone (MEK)	Ave	0.8762	0.8977	0.1000	128	125	2.4	20.0
2,2-Dichloropropane	Ave	3.144	3.309		26.3	25.0	5.3	20.0
cis-1,2-Dichloroethene	Ave	2.206	2.207	0.1000	25.0	25.0	0.0	20.0
Chlorobromomethane	Ave	1.075	1.114		25.9	25.0	3.6	20.0
Chloroform	Ave	3.945	3.854	0.2000	24.4	25.0	-2.3	20.0
Tetrahydrofuran	Ave	0.6254	0.6335		50.6	50.0	1.3	20.0
1,1,1-Trichloroethane	Ave	3.373	3.438	0.1000	25.5	25.0	1.9	20.0
Cyclohexane	Ave	3.889	4.130	0.1000	26.5	25.0	6.2	20.0
Isobutyl alcohol	Ave	0.0915	0.1133		774	625	23.8	50.0
1,1-Dichloropropene	Ave	2.799	2.878		25.7	25.0	2.8	20.0
Carbon tetrachloride	Ave	2.983	3.219	0.1000	27.0	25.0	7.9	20.0
Benzene	Ave	7.827	7.734	0.5000	24.7	25.0	-1.2	20.0
n-Heptane	Ave	3.085	3.197		25.9	25.0	3.6	20.0
1,2-Dichloroethane	Ave	3.337	3.430	0.1000	25.7	25.0	2.8	20.0
Trichloroethene	Ave	2.151	2.137	0.2000	24.8	25.0	-0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-280006/2 Calibration Date: 12/16/2015 10:01

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C59691.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	3.182	3.387	0.1000	26.6	25.0	6.4	20.0
1,2-Dichloropropane	Ave	2.061	2.127	0.1000	25.8	25.0	3.2	20.0
1,4-Dioxane	Lin1		0.0091		928	500	85.5*	50.0
Dibromomethane	Ave	1.335	1.396	0.1000	26.1	25.0	4.5	20.0
Bromodichloromethane	Ave	2.896	2.946	0.2000	25.4	25.0	1.7	20.0
2-Chloroethyl vinyl ether	Ave	1.306	1.373		26.3	25.0	5.1	20.0
cis-1,3-Dichloropropene	Ave	3.261	3.364	0.2000	25.8	25.0	3.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9562	0.9601	0.1000	126	125	0.4	20.0
Toluene	Ave	2.312	2.264	0.4000	24.5	25.0	-2.0	20.0
Ethyl methacrylate	Ave	1.117	1.131		25.3	25.0	1.2	20.0
trans-1,3-Dichloropropene	Ave	1.430	1.444	0.1000	25.2	25.0	1.0	20.0
1,1,2-Trichloroethane	Ave	0.7108	0.7091	0.1000	24.9	25.0	-0.2	20.0
2-Hexanone	Ave	0.6613	0.6632	0.1000	125	125	0.3	20.0
Tetrachloroethene	Ave	1.088	1.090	0.2000	25.0	25.0	0.2	20.0
1,3-Dichloropropane	Ave	1.444	1.429		24.7	25.0	-1.0	20.0
Dibromochloromethane	Ave	1.039	1.013	0.1000	24.4	25.0	-2.5	20.0
1,2-Dibromoethane	Ave	0.9169	0.9092		24.8	25.0	-0.8	20.0
Chlorobenzene	Ave	2.715	2.686	0.5000	24.7	25.0	-1.1	20.0
Ethylbenzene	Ave	4.609	4.497	0.1000	24.4	25.0	-2.4	20.0
1,1,1,2-Tetrachloroethane	Ave	1.039	1.023		24.6	25.0	-1.6	20.0
m,p-Xylene	Ave	1.784	1.774	0.1000	24.8	25.0	-0.6	20.0
o-Xylene	Ave	1.787	1.759	0.3000	24.6	25.0	-1.6	20.0
Styrene	Ave	2.916	2.953	0.3000	25.3	25.0	1.3	20.0
Isopropylbenzene	Ave	4.863	4.835	0.1000	24.9	25.0	-0.6	20.0
Bromoform	Ave	0.6124	0.6010	0.1000	24.5	25.0	-1.9	50.0
1,1,2,2-Tetrachloroethane	Ave	1.125	1.135	0.3000	25.2	25.0	1.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4136	0.4495		27.2	25.0	8.7	50.0
N-Propylbenzene	Ave	5.599	5.600		25.0	25.0	0.0	20.0
1,2,3-Trichloropropane	Ave	0.3674	0.3777		25.7	25.0	2.8	20.0
Bromobenzene	Ave	1.250	1.262		25.2	25.0	0.9	20.0
1,3,5-Trimethylbenzene	Ave	4.151	4.149		25.0	25.0	-0.0	20.0
2-Chlorotoluene	Ave	1.082	1.094		25.3	25.0	1.1	20.0
4-Chlorotoluene	Ave	1.150	1.147		24.9	25.0	-0.2	20.0
tert-Butylbenzene	Ave	0.9022	0.8963		24.8	25.0	-0.7	20.0
1,2,4-Trimethylbenzene	Ave	4.273	4.285		25.1	25.0	0.3	20.0
sec-Butylbenzene	Ave	5.131	5.181		25.2	25.0	1.0	20.0
4-Isopropyltoluene	Ave	4.357	4.350		25.0	25.0	-0.2	20.0
1,3-Dichlorobenzene	Ave	2.406	2.409	0.6000	25.0	25.0	0.1	20.0
1,4-Dichlorobenzene	Ave	2.479	2.466	0.5000	24.9	25.0	-0.5	20.0
n-Butylbenzene	Ave	3.837	3.979		25.9	25.0	3.7	20.0
1,2-Dichlorobenzene	Ave	2.347	2.334	0.4000	24.9	25.0	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-280006/2 Calibration Date: 12/16/2015 10:01

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C59691.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2419	0.2218	0.0500	22.9	25.0	-8.3	50.0
1,2,4-Trichlorobenzene	Ave	1.577	1.652	0.2000	26.2	25.0	4.7	20.0
Hexachlorobutadiene	Ave	0.6274	0.6674		26.6	25.0	6.4	20.0
Naphthalene	Ave	3.437	3.610		26.3	25.0	5.0	20.0
1,2,3-Trichlorobenzene	Ave	1.513	1.551		25.6	25.0	2.5	20.0
Dibromofluoromethane (Surr)	Ave	1.323	1.343		25.4	25.0	1.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7962	0.8214		25.8	25.0	3.2	20.0
Toluene-d8 (Surr)	Ave	2.102	2.083		24.8	25.0	-0.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7258	0.7377		25.4	25.0	1.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59691.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Dec-2015 10:01:30 ALS Bottle#: 30 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049281-002
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 10:36:27 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: goliszekg Date: 16-Dec-2015 10:36:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124448	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	90	270671	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	259513	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	167140	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	102216	25.0	25.8	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	563713	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	199671	25.0	25.4	
10 Dichlorodifluoromethane	85	4.436	4.436	0.000	99	306048	25.0	23.7	
12 Chloromethane	50	4.839	4.839	0.000	99	309268	25.0	22.9	
13 Vinyl chloride	62	5.076	5.076	0.000	98	298869	25.0	25.5	
151 Butadiene	54	5.124	5.124	0.000	90	299223	25.0	24.5	
14 Bromomethane	94	5.681	5.681	0.000	93	199849	25.0	24.8	
15 Chloroethane	64	5.812	5.812	0.000	99	185587	25.0	24.8	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	494975	25.0	24.9	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	97	489055	25.0	26.2	
18 Ethyl ether	59	6.476	6.476	0.000	94	234166	25.0	24.4	
20 Acrolein	56	6.725	6.725	0.000	98	208368	125.0	128.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	96	273432	25.0	26.6	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	94	227050	25.0	24.3	
23 Acetone	43	6.867	6.867	0.000	99	350573	125.0	122.0	
25 Iodomethane	142	7.045	7.045	0.000	99	441347	25.0	24.4	
26 Carbon disulfide	76	7.140	7.140	0.000	99	936143	25.0	25.3	
27 Methyl acetate	43	7.163	7.163	0.000	98	926875	125.0	128.2	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	81	412454	25.0	24.1	
30 Methylene Chloride	84	7.329	7.329	0.000	98	259026	25.0	25.2	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	328283	250.0	345.8	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	98	744360	25.0	24.9	
34 trans-1,2-Dichloroethene	96	7.567	7.567	0.000	94	251852	25.0	25.3	
33 Acrylonitrile	53	7.578	7.578	0.000	98	961690	250.0	267.3	
35 Hexane	57	7.709	7.709	0.000	92	414561	25.0	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	1141766	50.0	54.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	492157	25.0	25.7	
43 2-Butanone (MEK)	43	8.420	8.420	0.000	99	558560	125.0	128.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	411831	25.0	26.3	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	89	274595	25.0	25.0	
48 Chlorobromomethane	128	8.693	8.693	0.000	91	138580	25.0	25.9	
49 Tetrahydrofuran	42	8.693	8.693	0.000	58	157686	50.0	50.6	
50 Chloroform	83	8.693	8.693	0.000	95	479569	25.0	24.4	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	427885	25.0	25.5	
52 Cyclohexane	56	8.907	8.907	0.000	93	513961	25.0	26.5	
53 Isobutyl alcohol	43	8.954	8.954	0.000	98	352489	625.0	773.6	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	358185	25.0	25.7	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	400598	25.0	27.0	
57 Benzene	78	9.179	9.179	0.000	98	962460	25.0	24.7	
59 n-Heptane	43	9.191	9.191	0.000	92	397889	25.0	25.9	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	426865	25.0	25.7	
62 Trichloroethene	95	9.654	9.654	0.000	95	265957	25.0	24.8	
64 Methylcyclohexane	83	9.784	9.784	0.000	98	421549	25.0	26.6	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	92	264690	25.0	25.8	
66 1,4-Dioxane	88	9.926	9.926	0.000	96	49338	500.0	927.7	
67 Dibromomethane	93	9.998	9.998	0.000	95	173700	25.0	26.1	
68 Dichlorobromomethane	83	10.057	10.057	0.000	98	366605	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	170873	25.0	26.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	418686	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	98	1299384	125.0	125.5	
74 Toluene	92	10.638	10.638	0.000	98	612886	25.0	24.5	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	306181	25.0	25.3	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	390874	25.0	25.2	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	191927	25.0	24.9	
80 2-Hexanone	43	11.053	11.053	0.000	96	897562	125.0	125.4	
81 Tetrachloroethene	166	11.089	11.089	0.000	97	294912	25.0	25.0	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	94	386782	25.0	24.7	
83 Chlorodibromomethane	129	11.338	11.338	0.000	90	274066	25.0	24.4	
84 Ethylene Dibromide	107	11.468	11.468	0.000	98	246106	25.0	24.8	
87 Chlorobenzene	112	11.800	11.800	0.000	87	726913	25.0	24.7	
88 Ethylbenzene	91	11.800	11.800	0.000	96	1217198	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	93	276830	25.0	24.6	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	480065	25.0	24.8	
91 o-Xylene	106	12.227	12.227	0.000	94	476013	25.0	24.6	
92 Styrene	104	12.239	12.239	0.000	94	799195	25.0	25.3	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1254734	25.0	24.9	
95 Bromoform	173	12.523	12.523	0.000	92	162667	25.0	24.5	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	294638	25.0	25.2	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	85	116658	25.0	27.2	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	1453153	25.0	25.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	98011	25.0	25.7	
101 Bromobenzene	156	12.903	12.903	0.000	92	327441	25.0	25.2	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	1076646	25.0	25.0	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	283851	25.0	25.3	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	297737	25.0	24.9	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	232604	25.0	24.8	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	97	1112013	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	1344602	25.0	25.2	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	1128919	25.0	25.0	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	625125	25.0	25.0	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	640003	25.0	24.9	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	1032514	25.0	25.9	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	605650	25.0	24.9	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.109	0.000	83	57560	25.0	22.9	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	428756	25.0	26.2	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	93	173200	25.0	26.6	
121 Naphthalene	128	16.579	16.579	0.000	98	936872	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	402436	25.0	25.6	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

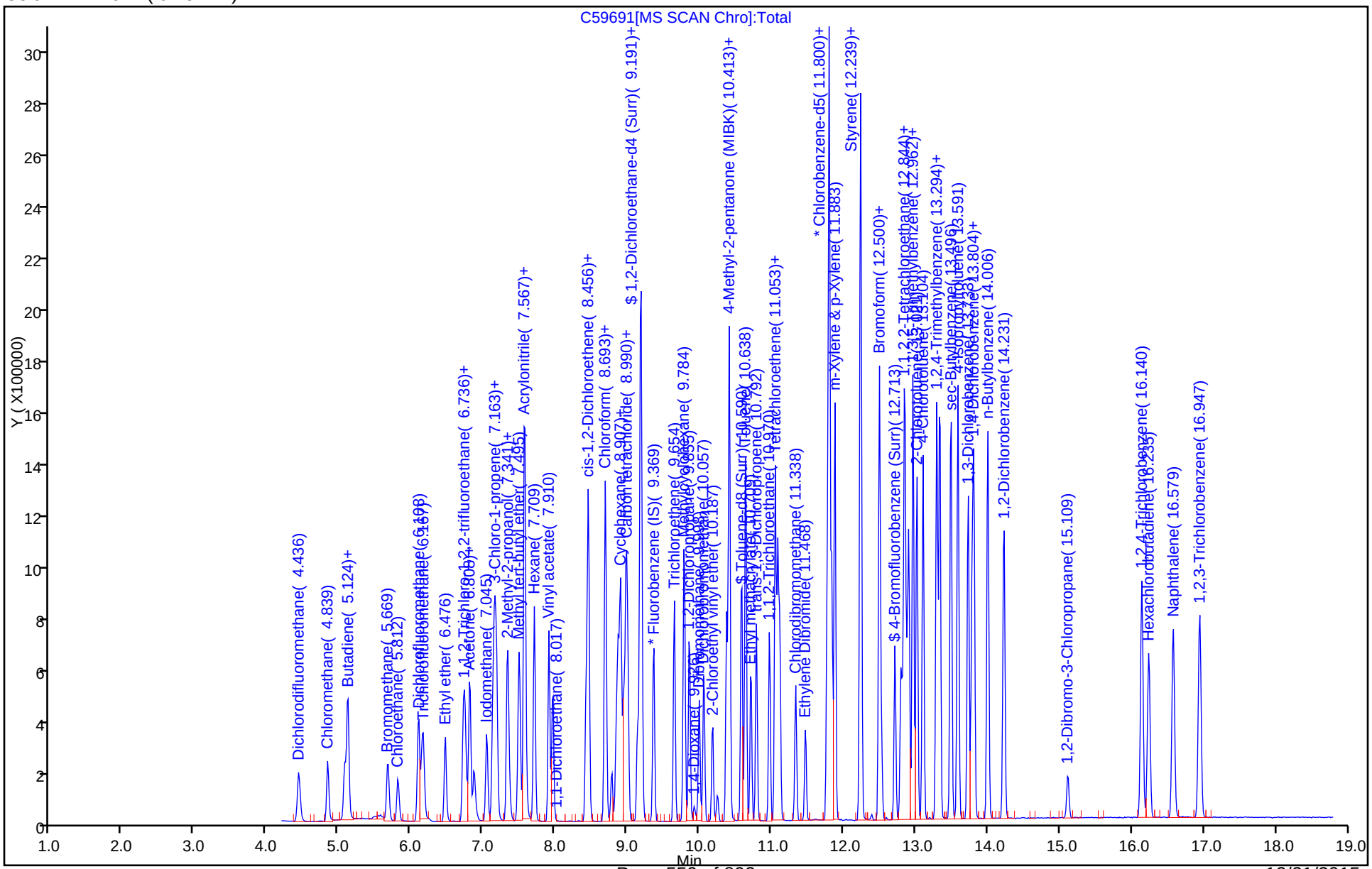
Report Date: 16-Dec-2015 10:36:28 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59691.D

Injection Date:	16-Dec-2015 10:01:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279459/3 Calibration Date: 12/12/2015 10:52

Instrument ID: HP5973N Calib Start Date: 12/04/2015 12:30

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/04/2015 15:39

Lab File ID: N5567.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.333	1.608	0.1000	30.2	25.0	20.6	50.0
Chloromethane	Ave	1.723	1.711	0.1000	24.8	25.0	-0.7	20.0
Vinyl chloride	Ave	1.552	1.481	0.1000	23.9	25.0	-4.6	20.0
Butadiene	Ave	1.611	1.495		23.2	25.0	-7.2	20.0
Bromomethane	Ave	0.8133	0.7653	0.1000	23.5	25.0	-5.9	50.0
Chloroethane	Ave	0.9427	0.9556	0.1000	25.3	25.0	1.4	50.0
Dichlorofluoromethane	Lin1		2.137		27.2	25.0	8.7	20.0
Trichlorofluoromethane	Ave	1.831	2.006	0.1000	27.4	25.0	9.6	20.0
Ethyl ether	Ave	1.503	1.347		22.4	25.0	-10.4	20.0
Acrolein	Ave	0.3453	0.2645		95.7	125	-23.4	50.0
1,1-Dichloroethene	Ave	1.184	1.158	0.1000	24.5	25.0	-2.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.032	1.137	0.1000	27.5	25.0	10.2	20.0
Acetone	Lin1		0.5943	0.1000	169	125	35.3	50.0
Iodomethane	Ave	1.976	1.913		24.2	25.0	-3.2	20.0
Carbon disulfide	Ave	3.665	3.249	0.1000	22.2	25.0	-11.3	20.0
Allyl chloride	Ave	2.697	2.279		21.1	25.0	-15.5	20.0
Methyl acetate	Ave	1.532	1.346	0.1000	110	125	-12.2	50.0
Methylene Chloride	Lin1		1.236	0.1000	26.2	25.0	4.6	20.0
2-Methyl-2-propanol	Ave	0.1459	0.1400		240	250	-4.1	50.0
Methyl tert-butyl ether	Ave	4.439	3.970	0.1000	22.4	25.0	-10.6	20.0
trans-1,2-Dichloroethene	Ave	1.337	1.221	0.1000	22.8	25.0	-8.7	20.0
Acrylonitrile	Lin2		0.6239		244	250	-2.5	20.0
Hexane	Ave	2.293	2.189		23.9	25.0	-4.5	20.0
1,1-Dichloroethane	Ave	2.607	2.402	0.2000	23.0	25.0	-7.9	20.0
Vinyl acetate	Ave	3.657	3.410		46.6	50.0	-6.8	20.0
2,2-Dichloropropane	Ave	1.349	1.155		21.4	25.0	-14.4	20.0
cis-1,2-Dichloroethene	Lin1		1.300	0.1000	25.2	25.0	0.7	20.0
2-Butanone (MEK)	Ave	0.8985	0.8449	0.1000	118	125	-6.0	20.0
Chlorobromomethane	Ave	0.7104	0.7079		24.9	25.0	-0.4	20.0
Tetrahydrofuran	Ave	0.6433	0.5560		43.2	50.0	-13.6	20.0
Chloroform	Lin1		2.062	0.2000	24.7	25.0	-1.0	20.0
1,1,1-Trichloroethane	Ave	1.786	1.659	0.1000	23.2	25.0	-7.1	20.0
Cyclohexane	Ave	2.365	2.158	0.1000	22.8	25.0	-8.7	20.0
Carbon tetrachloride	Ave	1.733	1.529	0.1000	22.1	25.0	-11.8	20.0
1,1-Dichloropropene	Ave	1.771	1.688		23.8	25.0	-4.7	20.0
Isobutyl alcohol	Lin1		0.0691		522	625	-16.4	50.0
Benzene	Ave	5.019	4.708	0.5000	23.4	25.0	-6.2	20.0
1,2-Dichloroethane	Ave	2.206	2.057	0.1000	23.3	25.0	-6.7	20.0
n-Heptane	Ave	2.552	2.293		22.5	25.0	-10.1	20.0
Trichloroethene	Ave	1.357	1.224	0.2000	22.6	25.0	-9.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279459/3 Calibration Date: 12/12/2015 10:52

Instrument ID: HP5973N Calib Start Date: 12/04/2015 12:30

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/04/2015 15:39

Lab File ID: N5567.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.133	2.055	0.1000	24.1	25.0	-3.7	20.0
1,2-Dichloropropane	Ave	1.332	1.209	0.1000	22.7	25.0	-9.3	20.0
Dibromomethane	Ave	0.7806	0.7558	0.1000	24.2	25.0	-3.2	20.0
1,4-Dioxane	Lin1		0.0031		470	500	-6.0	50.0
Bromodichloromethane	Ave	1.551	1.369	0.2000	22.1	25.0	-11.7	20.0
2-Chloroethyl vinyl ether	Ave	0.8792	0.7926		22.5	25.0	-9.9	20.0
cis-1,3-Dichloropropene	Ave	1.889	1.778	0.2000	23.5	25.0	-5.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1835	0.1623	0.1000	111	125	-11.6	20.0
Toluene	Ave	0.8912	0.8043	0.4000	22.6	25.0	-9.8	20.0
trans-1,3-Dichloropropene	Ave	0.4706	0.4367	0.1000	23.2	25.0	-7.2	20.0
Ethyl methacrylate	Ave	0.4546	0.4107		22.6	25.0	-9.7	20.0
1,1,2-Trichloroethane	Ave	0.2415	0.2383	0.1000	24.7	25.0	-1.3	20.0
Tetrachloroethene	Ave	0.4135	0.3647	0.2000	22.0	25.0	-11.8	20.0
1,3-Dichloropropane	Ave	0.5502	0.5123		23.3	25.0	-6.9	20.0
2-Hexanone	Ave	0.3353	0.3233	0.1000	121	125	-3.6	20.0
Dibromochloromethane	Ave	0.3109	0.2854	0.1000	23.0	25.0	-8.2	20.0
1,2-Dibromoethane	Ave	0.3185	0.2969		23.3	25.0	-6.8	20.0
Chlorobenzene	Ave	0.9748	0.9081	0.5000	23.3	25.0	-6.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3438	0.3209		23.3	25.0	-6.7	20.0
Ethylbenzene	Ave	1.619	1.451	0.1000	22.4	25.0	-10.4	20.0
m,p-Xylene	Ave	0.6501	0.5951	0.1000	22.9	25.0	-8.5	20.0
o-Xylene	Ave	0.6421	0.5993	0.3000	23.3	25.0	-6.7	20.0
Styrene	Ave	1.017	0.9381	0.3000	23.1	25.0	-7.7	20.0
Bromoform	Ave	0.1671	0.1431	0.1000	21.4	25.0	-14.4	50.0
Isopropylbenzene	Ave	3.314	2.968	0.1000	22.4	25.0	-10.4	20.0
Bromobenzene	Ave	0.8718	0.7639		21.9	25.0	-12.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7701	0.7226	0.3000	23.5	25.0	-6.2	20.0
1,2,3-Trichloropropane	Ave	0.2858	0.2664		23.3	25.0	-6.8	20.0
N-Propylbenzene	Ave	3.671	3.338		22.7	25.0	-9.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3051	0.2797		22.9	25.0	-8.3	50.0
2-Chlorotoluene	Ave	0.8274	0.7090		21.4	25.0	-14.3	20.0
1,3,5-Trimethylbenzene	Ave	2.715	2.472		22.8	25.0	-8.9	20.0
4-Chlorotoluene	Ave	2.624	2.428		23.1	25.0	-7.5	20.0
tert-Butylbenzene	Ave	0.6482	0.5866		22.6	25.0	-9.5	20.0
1,2,4-Trimethylbenzene	Ave	2.849	2.457		21.6	25.0	-13.8	20.0
sec-Butylbenzene	Ave	3.480	3.077		22.1	25.0	-11.6	20.0
1,3-Dichlorobenzene	Ave	1.566	1.423	0.6000	22.7	25.0	-9.1	20.0
4-Isopropyltoluene	Ave	3.051	2.758		22.6	25.0	-9.6	20.0
1,4-Dichlorobenzene	Ave	1.665	1.460	0.5000	21.9	25.0	-12.4	20.0
n-Butylbenzene	Ave	2.443	2.231		22.8	25.0	-8.7	20.0
1,2-Dichlorobenzene	Ave	1.488	1.374	0.4000	23.1	25.0	-7.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279459/3 Calibration Date: 12/12/2015 10:52

Instrument ID: HP5973N Calib Start Date: 12/04/2015 12:30

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/04/2015 15:39

Lab File ID: N5567.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1329	0.1159	0.0500	21.8	25.0	-12.8	50.0
1,2,4-Trichlorobenzene	Ave	0.8784	0.7888	0.2000	22.5	25.0	-10.2	20.0
Hexachlorobutadiene	Ave	0.4512	0.4127		22.9	25.0	-8.5	20.0
Naphthalene	Ave	2.360	1.925		20.4	25.0	-18.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8204	0.6825		20.8	25.0	-16.8	20.0
Dibromofluoromethane (Surr)	Ave	1.026	1.027		25.0	25.0	0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.450	1.406		24.2	25.0	-3.1	20.0
Toluene-d8 (Surr)	Ave	1.069	1.039		24.3	25.0	-2.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3222	0.3114		24.2	25.0	-3.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5567.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Dec-2015 10:52:30 ALS Bottle#: 30 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0049180-003
Operator ID: GTG Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 11:35:48 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: goliszekg Date: 12-Dec-2015 11:35:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	121253	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	442091	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	222288	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.002	5.002	0.000	73	124487	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	170437	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	94	459439	25.0	24.3	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	88	137653	25.0	24.2	
11 Dichlorodifluoromethane	85	1.371	1.371	0.000	99	194981	25.0	30.2	
13 Chloromethane	50	1.541	1.541	0.000	99	207514	25.0	24.8	
14 Vinyl chloride	62	1.644	1.644	0.000	98	179528	25.0	23.9	
144 Butadiene	54	1.681	1.681	0.000	97	181245	25.0	23.2	
15 Bromomethane	94	1.973	1.973	0.000	91	92791	25.0	23.5	
16 Chloroethane	64	2.076	2.076	0.000	98	115867	25.0	25.3	
17 Dichlorofluoromethane	67	2.295	2.295	0.000	95	259090	25.0	27.2	
18 Trichlorofluoromethane	101	2.307	2.307	0.000	67	243245	25.0	27.4	
19 Ethyl ether	59	2.599	2.599	0.000	96	163337	25.0	22.4	
20 Acrolein	56	2.758	2.758	0.000	99	160336	125.0	95.7	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	95	140427	25.0	24.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.837	2.837	0.000	90	137885	25.0	27.5	
23 Acetone	43	2.916	2.916	0.000	98	360271	125.0	169.1	
24 Iodomethane	142	2.983	2.983	0.000	99	231975	25.0	24.2	
25 Carbon disulfide	76	3.025	3.025	0.000	99	393966	25.0	22.2	
27 3-Chloro-1-propene	41	3.183	3.183	0.000	85	276354	25.0	21.1	
28 Methyl acetate	43	3.226	3.226	0.000	99	816124	125.0	109.8	
30 Methylene Chloride	84	3.329	3.329	0.000	97	149846	25.0	26.2	
31 2-Methyl-2-propanol	59	3.482	3.482	0.000	95	169750	250.0	239.8	
32 Methyl tert-butyl ether	73	3.555	3.555	0.000	99	481364	25.0	22.4	
33 trans-1,2-Dichloroethene	96	3.567	3.567	0.000	95	148061	25.0	22.8	
34 Acrylonitrile	53	3.591	3.591	0.000	97	756546	250.0	243.6	
35 Hexane	57	3.786	3.786	0.000	95	265378	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	291193	25.0	23.0	
39 Vinyl acetate	43	4.029	4.029	0.000	98	826829	50.0	46.6	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	88	140060	25.0	21.4	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	84	157679	25.0	25.2	
44 2-Butanone (MEK)	43	4.558	4.558	0.000	99	512235	125.0	117.5	
47 Chlorobromomethane	128	4.765	4.765	0.000	96	85832	25.0	24.9	
49 Tetrahydrofuran	42	4.802	4.802	0.000	88	134829	50.0	43.2	
50 Chloroform	83	4.844	4.844	0.000	97	249977	25.0	24.7	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	97	201170	25.0	23.2	
52 Cyclohexane	56	5.002	5.002	0.000	96	261691	25.0	22.8	
53 Carbon tetrachloride	117	5.124	5.124	0.000	96	185385	25.0	22.1	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	91	204704	25.0	23.8	
56 Isobutyl alcohol	43	5.313	5.313	0.000	91	209576	625.0	522.3	
55 Benzene	78	5.331	5.331	0.000	98	570802	25.0	23.4	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	98	249419	25.0	23.3	
59 n-Heptane	43	5.532	5.532	0.000	96	278051	25.0	22.5	
60 Trichloroethene	95	5.939	5.939	0.000	93	148419	25.0	22.6	
62 Methylcyclohexane	83	6.079	6.079	0.000	96	249126	25.0	24.1	
63 1,2-Dichloropropane	63	6.171	6.171	0.000	85	146565	25.0	22.7	
64 Dibromomethane	93	6.304	6.304	0.000	95	91646	25.0	24.2	
66 1,4-Dioxane	88	6.317	6.317	0.000	39	27396	500.0	469.9	
67 Dichlorobromomethane	83	6.456	6.456	0.000	96	166054	25.0	22.1	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	95	96104	25.0	22.5	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	90	215591	25.0	23.5	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	98	358703	125.0	110.6	
73 Toluene	92	7.180	7.180	0.000	97	355561	25.0	22.6	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	99	193053	25.0	23.2	
77 Ethyl methacrylate	69	7.497	7.497	0.000	93	181574	25.0	22.6	
78 1,1,2-Trichloroethane	83	7.631	7.631	0.000	96	105328	25.0	24.7	
79 Tetrachloroethene	166	7.722	7.722	0.000	94	161221	25.0	22.0	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	97	226490	25.0	23.3	
82 2-Hexanone	43	7.856	7.856	0.000	98	714575	125.0	120.5	
83 Chlorodibromomethane	129	8.032	8.032	0.000	90	126188	25.0	23.0	
84 Ethylene Dibromide	107	8.142	8.142	0.000	99	131255	25.0	23.3	
85 Chlorobenzene	112	8.628	8.628	0.000	93	401471	25.0	23.3	
89 1,1,1,2-Tetrachloroethane	131	8.720	8.720	0.000	90	141865	25.0	23.3	
88 Ethylbenzene	91	8.726	8.726	0.000	98	641274	25.0	22.4	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	263075	25.0	22.9	
91 o-Xylene	106	9.273	9.273	0.000	96	264962	25.0	23.3	
92 Styrene	104	9.297	9.297	0.000	95	414726	25.0	23.1	
93 Bromoform	173	9.535	9.535	0.000	95	63261	25.0	21.4	
95 Isopropylbenzene	105	9.656	9.656	0.000	97	659817	25.0	22.4	
97 Bromobenzene	156	9.991	9.991	0.000	94	169795	25.0	21.9	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	96	160628	25.0	23.5	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	90	59207	25.0	23.3	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	63	62180	25.0	22.9	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	741985	25.0	22.7	
102 2-Chlorotoluene	126	10.173	10.173	0.000	96	157612	25.0	21.4	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.000	96	549582	25.0	22.8	
105 4-Chlorotoluene	91	10.283	10.283	0.000	98	539667	25.0	23.1	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	130392	25.0	22.6	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	98	546073	25.0	21.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	94	683951	25.0	22.1	
110 1,3-Dichlorobenzene	146	10.904	10.904	0.000	97	316384	25.0	22.7	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	612983	25.0	22.6	
113 1,4-Dichlorobenzene	146	10.989	10.989	0.000	93	324465	25.0	21.9	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	495965	25.0	22.8	
116 1,2-Dichlorobenzene	146	11.342	11.342	0.000	96	305381	25.0	23.1	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	74	25751	25.0	21.8	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	175343	25.0	22.5	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	96	91735	25.0	22.9	
121 Naphthalene	128	12.960	12.960	0.000	97	428012	25.0	20.4	
122 1,2,3-Trichlorobenzene	180	13.161	13.161	0.000	95	151715	25.0	20.8	

Reagents:

8260 CORP mix_00059	Amount Added: 12.50	Units: uL	
GAS CORP mix_00125	Amount Added: 12.50	Units: uL	
N 8260 IS_00007	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added: 1.00	Units: uL	Run Reagent

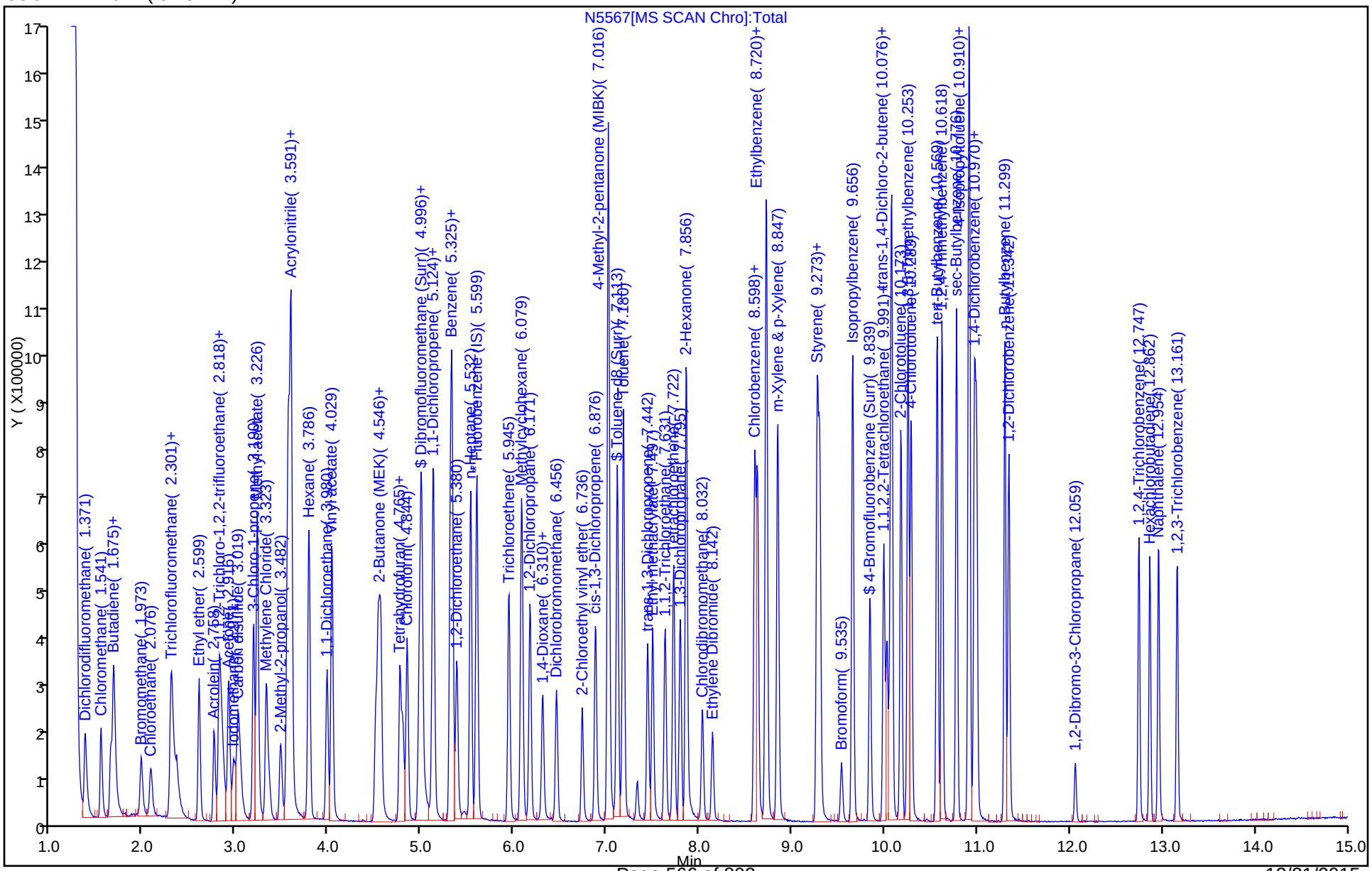
Report Date: 12-Dec-2015 11:35:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5567.D

Injection Date:	12-Dec-2015 10:52:30	Instrument ID:	HP5973N	Operator ID:	GTG
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279500/3 Calibration Date: 12/13/2015 09:29

Instrument ID: HP5973N Calib Start Date: 12/04/2015 12:30

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/04/2015 15:39

Lab File ID: N5594.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.333	1.677	0.1000	31.4	25.0	25.8	50.0
Chloromethane	Ave	1.723	1.740	0.1000	25.2	25.0	1.0	20.0
Vinyl chloride	Ave	1.552	1.513	0.1000	24.4	25.0	-2.5	20.0
Butadiene	Ave	1.611	1.619		25.1	25.0	0.5	20.0
Bromomethane	Ave	0.8133	0.7735	0.1000	23.8	25.0	-4.9	50.0
Chloroethane	Ave	0.9427	0.9512	0.1000	25.2	25.0	0.9	50.0
Dichlorofluoromethane	Lin1		2.129		27.1	25.0	8.2	20.0
Trichlorofluoromethane	Ave	1.831	2.012	0.1000	27.5	25.0	9.9	20.0
Ethyl ether	Ave	1.503	1.340		22.3	25.0	-10.8	20.0
Acrolein	Ave	0.3453	0.2607		94.4	125	-24.5	50.0
1,1-Dichloroethene	Ave	1.184	1.149	0.1000	24.3	25.0	-2.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.032	1.148	0.1000	27.8	25.0	11.2	20.0
Acetone	Lin1		0.4908	0.1000	139	125	11.0	50.0
Iodomethane	Ave	1.976	2.047		25.9	25.0	3.6	20.0
Carbon disulfide	Ave	3.665	3.308	0.1000	22.6	25.0	-9.7	20.0
Allyl chloride	Ave	2.697	2.353		21.8	25.0	-12.7	20.0
Methyl acetate	Ave	1.532	1.326	0.1000	108	125	-13.5	50.0
Methylene Chloride	Lin1		1.238	0.1000	26.2	25.0	4.8	20.0
2-Methyl-2-propanol	Ave	0.1459	0.1101		189	250	-24.6	50.0
Methyl tert-butyl ether	Ave	4.439	4.085	0.1000	23.0	25.0	-8.0	20.0
trans-1,2-Dichloroethene	Ave	1.337	1.237	0.1000	23.1	25.0	-7.5	20.0
Acrylonitrile	Lin2		0.6159		240	250	-3.8	20.0
Hexane	Ave	2.293	2.195		23.9	25.0	-4.3	20.0
1,1-Dichloroethane	Ave	2.607	2.488	0.2000	23.9	25.0	-4.6	20.0
Vinyl acetate	Ave	3.657	3.507		47.9	50.0	-4.1	20.0
2,2-Dichloropropane	Ave	1.349	1.227		22.7	25.0	-9.0	20.0
cis-1,2-Dichloroethene	Lin1		1.338	0.1000	25.9	25.0	3.6	20.0
2-Butanone (MEK)	Ave	0.8985	0.7677	0.1000	107	125	-14.6	20.0
Chlorobromomethane	Ave	0.7104	0.7000		24.6	25.0	-1.5	20.0
Tetrahydrofuran	Ave	0.6433	0.5662		44.0	50.0	-12.0	20.0
Chloroform	Lin1		2.158	0.2000	25.9	25.0	3.7	20.0
1,1,1-Trichloroethane	Ave	1.786	1.777	0.1000	24.9	25.0	-0.5	20.0
Cyclohexane	Ave	2.365	2.115	0.1000	22.4	25.0	-10.6	20.0
Carbon tetrachloride	Ave	1.733	1.605	0.1000	23.2	25.0	-7.4	20.0
1,1-Dichloropropene	Ave	1.771	1.688		23.8	25.0	-4.7	20.0
Isobutyl alcohol	Lin1		0.0673		508	625	-18.7	50.0
Benzene	Ave	5.019	4.754	0.5000	23.7	25.0	-5.3	20.0
1,2-Dichloroethane	Ave	2.206	2.102	0.1000	23.8	25.0	-4.7	20.0
n-Heptane	Ave	2.552	2.373		23.3	25.0	-7.0	20.0
Trichloroethene	Ave	1.357	1.284	0.2000	23.7	25.0	-5.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279500/3 Calibration Date: 12/13/2015 09:29

Instrument ID: HP5973N Calib Start Date: 12/04/2015 12:30

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/04/2015 15:39

Lab File ID: N5594.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.133	2.106	0.1000	24.7	25.0	-1.3	20.0
1,2-Dichloropropane	Ave	1.332	1.248	0.1000	23.4	25.0	-6.4	20.0
Dibromomethane	Ave	0.7806	0.7702	0.1000	24.7	25.0	-1.3	20.0
1,4-Dioxane	Lin1		0.0036		542	500	8.4	50.0
Bromodichloromethane	Ave	1.551	1.386	0.2000	22.3	25.0	-10.7	20.0
2-Chloroethyl vinyl ether	Ave	0.8792	0.8542		24.3	25.0	-2.8	20.0
cis-1,3-Dichloropropene	Ave	1.889	1.849	0.2000	24.5	25.0	-2.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1835	0.1639	0.1000	112	125	-10.6	20.0
Toluene	Ave	0.8912	0.8105	0.4000	22.7	25.0	-9.1	20.0
trans-1,3-Dichloropropene	Ave	0.4706	0.4479	0.1000	23.8	25.0	-4.8	20.0
Ethyl methacrylate	Ave	0.4546	0.4159		22.9	25.0	-8.5	20.0
1,1,2-Trichloroethane	Ave	0.2415	0.2317	0.1000	24.0	25.0	-4.0	20.0
Tetrachloroethene	Ave	0.4135	0.3665	0.2000	22.2	25.0	-11.4	20.0
1,3-Dichloropropane	Ave	0.5502	0.4950		22.5	25.0	-10.0	20.0
2-Hexanone	Ave	0.3353	0.2971	0.1000	111	125	-11.4	20.0
Dibromochloromethane	Ave	0.3109	0.2857	0.1000	23.0	25.0	-8.1	20.0
1,2-Dibromoethane	Ave	0.3185	0.3051		23.9	25.0	-4.2	20.0
Chlorobenzene	Ave	0.9748	0.9025	0.5000	23.1	25.0	-7.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3438	0.3134		22.8	25.0	-8.8	20.0
Ethylbenzene	Ave	1.619	1.465	0.1000	22.6	25.0	-9.5	20.0
m,p-Xylene	Ave	0.6501	0.6027	0.1000	23.2	25.0	-7.3	20.0
o-Xylene	Ave	0.6421	0.6078	0.3000	23.7	25.0	-5.3	20.0
Styrene	Ave	1.017	0.9457	0.3000	23.3	25.0	-7.0	20.0
Bromoform	Ave	0.1671	0.1354	0.1000	20.3	25.0	-19.0	50.0
Isopropylbenzene	Ave	3.314	3.071	0.1000	23.2	25.0	-7.3	20.0
Bromobenzene	Ave	0.8718	0.7700		22.1	25.0	-11.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7701	0.7313	0.3000	23.7	25.0	-5.0	20.0
1,2,3-Trichloropropane	Ave	0.2858	0.2474		21.6	25.0	-13.4	20.0
N-Propylbenzene	Ave	3.671	3.370		23.0	25.0	-8.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3051	0.2808		23.0	25.0	-8.0	50.0
2-Chlorotoluene	Ave	0.8274	0.7382		22.3	25.0	-10.8	20.0
1,3,5-Trimethylbenzene	Ave	2.715	2.498		23.0	25.0	-8.0	20.0
4-Chlorotoluene	Ave	2.624	2.419		23.0	25.0	-7.8	20.0
tert-Butylbenzene	Ave	0.6482	0.6000		23.1	25.0	-7.4	20.0
1,2,4-Trimethylbenzene	Ave	2.849	2.499		21.9	25.0	-12.3	20.0
sec-Butylbenzene	Ave	3.480	3.127		22.5	25.0	-10.1	20.0
1,3-Dichlorobenzene	Ave	1.566	1.449	0.6000	23.1	25.0	-7.5	20.0
4-Isopropyltoluene	Ave	3.051	2.792		22.9	25.0	-8.5	20.0
1,4-Dichlorobenzene	Ave	1.665	1.458	0.5000	21.9	25.0	-12.5	20.0
n-Butylbenzene	Ave	2.443	2.286		23.4	25.0	-6.4	20.0
1,2-Dichlorobenzene	Ave	1.488	1.389	0.4000	23.3	25.0	-6.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279500/3 Calibration Date: 12/13/2015 09:29

Instrument ID: HP5973N Calib Start Date: 12/04/2015 12:30

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/04/2015 15:39

Lab File ID: N5594.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1329	0.1187	0.0500	22.3	25.0	-10.7	50.0
1,2,4-Trichlorobenzene	Ave	0.8784	0.8361	0.2000	23.8	25.0	-4.8	20.0
Hexachlorobutadiene	Ave	0.4512	0.4237		23.5	25.0	-6.1	20.0
Naphthalene	Ave	2.360	2.098		22.2	25.0	-11.1	20.0
1,2,3-Trichlorobenzene	Ave	0.8204	0.7353		22.4	25.0	-10.4	20.0
Dibromofluoromethane (Surr)	Ave	1.026	1.024		24.9	25.0	-0.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.450	1.384		23.9	25.0	-4.5	20.0
Toluene-d8 (Surr)	Ave	1.069	1.030		24.1	25.0	-3.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3222	0.3088		24.0	25.0	-4.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5594.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Dec-2015 09:29:30 ALS Bottle#: 57 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049188-003
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 10:39:54 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: o'briens Date: 13-Dec-2015 09:49:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	126380	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	86	474315	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.970	10.970	0.000	95	233549	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	4.996	0.000	92	129424	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.307	0.000	0	174923	25.0	23.9	
$ 6 Toluene-d8 (Surr)	98	7.113	7.113	0.000	93	488582	25.0	24.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	88	146466	25.0	24.0	
11 Dichlorodifluoromethane	85	1.370	1.370	0.000	98	211969	25.0	31.4	
13 Chloromethane	50	1.541	1.541	0.000	99	219898	25.0	25.2	
14 Vinyl chloride	62	1.644	1.644	0.000	98	191195	25.0	24.4	
144 Butadiene	54	1.675	1.675	0.000	93	204635	25.0	25.1	
15 Bromomethane	94	1.973	1.973	0.000	92	97752	25.0	23.8	
16 Chloroethane	64	2.076	2.076	0.000	98	120214	25.0	25.2	
17 Dichlorofluoromethane	67	2.295	2.295	0.000	96	269027	25.0	27.1	
18 Trichlorofluoromethane	101	2.301	2.301	0.000	70	254269	25.0	27.5	
19 Ethyl ether	59	2.599	2.599	0.000	95	169409	25.0	22.3	
20 Acrolein	56	2.758	2.758	0.000	99	164744	125.0	94.4	
22 1,1-Dichloroethene	96	2.818	2.818	0.000	95	145201	25.0	24.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.831	2.831	0.000	93	145104	25.0	27.8	
23 Acetone	43	2.916	2.916	0.000	98	310130	125.0	138.7	
24 Iodomethane	142	2.970	2.970	0.000	99	258730	25.0	25.9	
25 Carbon disulfide	76	3.019	3.019	0.000	99	418031	25.0	22.6	
27 3-Chloro-1-propene	41	3.189	3.189	0.000	86	297406	25.0	21.8	
28 Methyl acetate	43	3.226	3.226	0.000	99	837726	125.0	108.1	
30 Methylene Chloride	84	3.329	3.329	0.000	97	156487	25.0	26.2	
31 2-Methyl-2-propanol	59	3.475	3.475	0.000	95	139089	250.0	188.5	
32 Methyl tert-butyl ether	73	3.554	3.554	0.000	99	516276	25.0	23.0	
33 trans-1,2-Dichloroethene	96	3.567	3.567	0.000	94	156303	25.0	23.1	
34 Acrylonitrile	53	3.591	3.591	0.000	97	778421	250.0	240.5	
35 Hexane	57	3.786	3.786	0.000	94	277446	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.980	3.980	0.000	97	314427	25.0	23.9	
39 Vinyl acetate	43	4.035	4.035	0.000	98	886367	50.0	47.9	
42 2,2-Dichloropropane	77	4.510	4.510	0.000	87	155114	25.0	22.7	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	83	169044	25.0	25.9	
44 2-Butanone (MEK)	43	4.558	4.558	0.000	99	485092	125.0	106.8	
47 Chlorobromomethane	128	4.765	4.765	0.000	96	88470	25.0	24.6	
49 Tetrahydrofuran	42	4.796	4.796	0.000	90	143113	50.0	44.0	
50 Chloroform	83	4.844	4.844	0.000	96	272698	25.0	25.9	
51 1,1,1-Trichloroethane	97	4.978	4.978	0.000	98	224597	25.0	24.9	
52 Cyclohexane	56	5.002	5.002	0.000	96	267290	25.0	22.4	
53 Carbon tetrachloride	117	5.124	5.124	0.000	95	202861	25.0	23.2	
54 1,1-Dichloropropene	75	5.130	5.130	0.000	91	213282	25.0	23.8	
56 Isobutyl alcohol	43	5.313	5.313	0.000	88	212771	625.0	508.3	
55 Benzene	78	5.331	5.331	0.000	99	600781	25.0	23.7	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	98	265671	25.0	23.8	
59 n-Heptane	43	5.532	5.532	0.000	95	299952	25.0	23.3	
60 Trichloroethene	95	5.945	5.945	0.000	94	162256	25.0	23.7	
62 Methylcyclohexane	83	6.079	6.079	0.000	96	266195	25.0	24.7	
63 1,2-Dichloropropane	63	6.170	6.170	0.000	87	157664	25.0	23.4	
64 Dibromomethane	93	6.310	6.310	0.000	95	97337	25.0	24.7	
66 1,4-Dioxane	88	6.316	6.316	0.000	42	34071	500.0	542.2	
67 Dichlorobromomethane	83	6.456	6.456	0.000	96	175110	25.0	22.3	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	95	107953	25.0	24.3	
71 cis-1,3-Dichloropropene	75	6.882	6.882	0.000	90	233622	25.0	24.5	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	98	388802	125.0	111.7	
73 Toluene	92	7.180	7.180	0.000	98	384426	25.0	22.7	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	98	212444	25.0	23.8	
77 Ethyl methacrylate	69	7.497	7.497	0.000	92	197270	25.0	22.9	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	109900	25.0	24.0	
79 Tetrachloroethene	166	7.722	7.722	0.000	97	173831	25.0	22.2	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	97	234796	25.0	22.5	
82 2-Hexanone	43	7.862	7.862	0.000	97	704497	125.0	110.8	
83 Chlorodibromomethane	129	8.032	8.032	0.000	91	135496	25.0	23.0	
84 Ethylene Dibromide	107	8.141	8.141	0.000	99	144711	25.0	23.9	
85 Chlorobenzene	112	8.628	8.628	0.000	94	428069	25.0	23.1	
89 1,1,1,2-Tetrachloroethane	131	8.719	8.719	0.000	91	148635	25.0	22.8	
88 Ethylbenzene	91	8.726	8.726	0.000	99	694798	25.0	22.6	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	285882	25.0	23.2	
91 o-Xylene	106	9.273	9.273	0.000	96	288292	25.0	23.7	
92 Styrene	104	9.297	9.297	0.000	96	448557	25.0	23.3	
93 Bromoform	173	9.535	9.535	0.000	95	64232	25.0	20.3	
95 Isopropylbenzene	105	9.656	9.656	0.000	96	717285	25.0	23.2	
97 Bromobenzene	156	9.991	9.991	0.000	97	179833	25.0	22.1	
98 1,1,2,2-Tetrachloroethane	83	10.021	10.021	0.000	95	170785	25.0	23.7	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	91	57769	25.0	21.6	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	62	65570	25.0	23.0	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	787072	25.0	23.0	
102 2-Chlorotoluene	126	10.179	10.179	0.000	96	172400	25.0	22.3	
104 1,3,5-Trimethylbenzene	105	10.252	10.252	0.000	95	583449	25.0	23.0	
105 4-Chlorotoluene	91	10.283	10.283	0.000	98	564993	25.0	23.0	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	140119	25.0	23.1	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	98	583637	25.0	21.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	730349	25.0	22.5	
110 1,3-Dichlorobenzene	146	10.910	10.910	0.000	98	338510	25.0	23.1	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	652082	25.0	22.9	
113 1,4-Dichlorobenzene	146	10.995	10.995	0.000	94	340406	25.0	21.9	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	533810	25.0	23.4	
116 1,2-Dichlorobenzene	146	11.341	11.341	0.000	97	324313	25.0	23.3	
117 1,2-Dibromo-3-Chloropropan	75	12.059	12.059	0.000	77	27725	25.0	22.3	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	195262	25.0	23.8	
120 Hexachlorobutadiene	225	12.862	12.862	0.000	97	98961	25.0	23.5	
121 Naphthalene	128	12.960	12.960	0.000	98	489869	25.0	22.2	
122 1,2,3-Trichlorobenzene	180	13.160	13.160	0.000	95	171730	25.0	22.4	

Reagents:

8260 CORP mix_00059	Amount Added: 12.50	Units: uL	
GAS CORP mix_00125	Amount Added: 12.50	Units: uL	
N 8260 IS_00007	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added: 1.00	Units: uL	Run Reagent

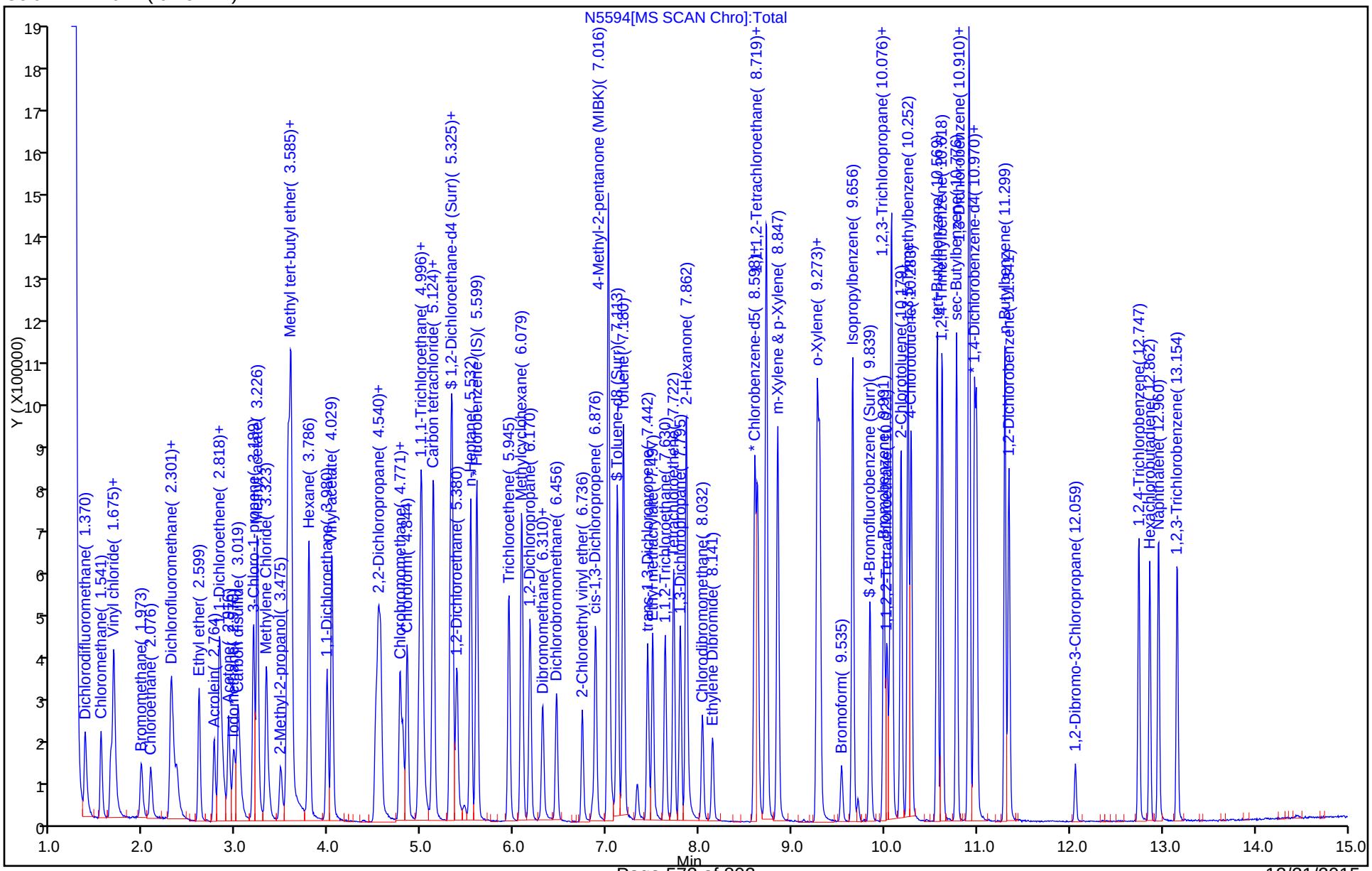
Report Date: 14-Dec-2015 10:39:55 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5594.D

Injection Date:	13-Dec-2015 09:29:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: ICV 480-277678/21 Calibration Date: 12/02/2015 09:54

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P1895.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.617	0.1000	50.9	50.0	1.7	50.0
Chloromethane	Ave	1.423	1.570	0.1000	55.2	50.0	10.4	30.0
Vinyl chloride	Ave	1.126	1.269	0.1000	56.3	50.0	12.7	30.0
Butadiene	Ave	1.035	1.170		56.5	50.0	13.0	30.0
Bromomethane	Ave	0.6478	0.7147	0.1000	55.2	50.0	10.3	50.0
Chloroethane	Ave	0.7111	0.7691	0.1000	54.1	50.0	8.2	50.0
Dichlorofluoromethane	Ave	2.470	2.566		51.9	50.0	3.9	30.0
Trichlorofluoromethane	Ave	1.997	2.139	0.1000	53.5	50.0	7.1	30.0
Ethyl ether	Ave	1.416	1.340		47.3	50.0	-5.3	30.0
Acrolein	Ave	0.3039	0.2414		199	250	-20.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.537	0.1000	46.1	50.0	-7.8	30.0
1,1-Dichloroethene	Ave	1.668	1.530	0.1000	45.9	50.0	-8.3	30.0
Acetone	Ave	0.5730	0.6667	0.1000	291	250	16.4	50.0
Iodomethane	Ave	2.547	2.481		48.7	50.0	-2.6	30.0
Methyl acetate	Ave	1.313	1.300	0.1000	248	250	-0.9	50.0
Carbon disulfide	Ave	5.168	4.860	0.1000	47.0	50.0	-6.0	30.0
Allyl chloride	Ave	2.761	2.712		49.1	50.0	-1.8	30.0
Methylene Chloride	Lin1		1.501	0.1000	51.6	50.0	3.1	30.0
2-Methyl-2-propanol	Ave	0.1862	0.1935		520	500	3.9	50.0
Methyl tert-butyl ether	Ave	4.451	4.306	0.1000	48.4	50.0	-3.3	30.0
Acrylonitrile	Ave	0.6006	0.5735		477	500	-4.5	30.0
trans-1,2-Dichloroethene	Ave	1.408	1.336	0.1000	47.5	50.0	-5.1	30.0
Hexane	Ave	2.756	2.581		46.8	50.0	-6.3	30.0
Vinyl acetate	Ave	3.377	2.388		70.7	100	-29.3	30.0
1,1-Dichloroethane	Ave	3.128	2.890	0.2000	46.2	50.0	-7.6	30.0
2-Butanone (MEK)	Ave	0.8452	0.8727	0.1000	258	250	3.3	30.0
cis-1,2-Dichloroethene	Ave	1.527	1.452	0.1000	47.6	50.0	-4.9	30.0
2,2-Dichloropropane	Ave	2.140	1.878		43.9	50.0	-12.2	30.0
Chlorobromomethane	Ave	0.7304	0.6954		47.6	50.0	-4.8	30.0
Tetrahydrofuran	Ave	0.5503	0.5113		92.9	100	-7.1	30.0
Chloroform	Ave	2.693	2.526	0.2000	46.9	50.0	-6.2	30.0
1,1,1-Trichloroethane	Ave	1.791	1.761	0.1000	49.2	50.0	-1.6	30.0
Cyclohexane	Ave	3.194	3.125	0.1000	48.9	50.0	-2.2	30.0
Isobutyl alcohol	Ave	0.0811	0.0838		1290	1250	3.4	50.0
1,1-Dichloropropene	Ave	1.976	1.862		47.1	50.0	-5.8	30.0
Carbon tetrachloride	Ave	1.996	1.957	0.1000	49.0	50.0	-1.9	30.0
Benzene	Ave	5.514	5.266	0.5000	47.8	50.0	-4.5	30.0
1,2-Dichloroethane	Ave	2.489	2.269	0.1000	45.6	50.0	-8.9	30.0
n-Heptane	Ave	2.915	2.813		48.3	50.0	-3.5	30.0
Trichloroethene	Ave	1.493	1.450	0.2000	48.5	50.0	-2.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: ICV 480-277678/21 Calibration Date: 12/02/2015 09:54

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P1895.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.519	0.1000	49.2	50.0	-1.5	30.0
1,2-Dichloropropane	Ave	1.601	1.585	0.1000	49.5	50.0	-1.0	30.0
1,4-Dioxane	Ave	0.0061	0.0063		1020	1000	2.1	50.0
Dibromomethane	Ave	0.8832	0.8555	0.1000	48.4	50.0	-3.1	30.0
Bromodichloromethane	Ave	2.008	1.978	0.2000	49.3	50.0	-1.5	30.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.3275		55.4	50.0	10.7	30.0
cis-1,3-Dichloropropene	Ave	2.326	2.318	0.2000	49.8	50.0	-0.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8281	0.1000	250	250	-0.0	30.0
Toluene	Ave	1.776	1.582	0.4000	44.5	50.0	-10.9	30.0
Ethyl methacrylate	Ave	0.7749	0.7856		50.7	50.0	1.4	30.0
trans-1,3-Dichloropropene	Ave	1.019	0.9810	0.1000	48.1	50.0	-3.8	30.0
1,1,2-Trichloroethane	Ave	0.4867	0.4755	0.1000	48.8	50.0	-2.3	30.0
Tetrachloroethene	Ave	0.6818	0.6267	0.2000	46.0	50.0	-8.1	30.0
2-Hexanone	Ave	0.5703	0.5715	0.1000	251	250	0.2	30.0
1,3-Dichloropropane	Ave	0.9875	0.9317		47.2	50.0	-5.7	30.0
Dibromochloromethane	Ave	0.6656	0.6924	0.1000	52.0	50.0	4.0	30.0
1,2-Dibromoethane	Ave	0.6363	0.6286		49.4	50.0	-1.2	30.0
Chlorobenzene	Ave	1.935	1.823	0.5000	47.1	50.0	-5.8	30.0
Ethylbenzene	Ave	3.077	2.913	0.1000	47.3	50.0	-5.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6378		48.6	50.0	-2.9	30.0
m,p-Xylene	Ave	1.304	1.235	0.1000	47.3	50.0	-5.4	30.0
o-Xylene	Ave	1.313	1.220	0.3000	46.5	50.0	-7.1	30.0
Styrene	Ave	2.033	1.895	0.3000	46.6	50.0	-6.7	30.0
Bromoform	Ave	0.4187	0.4623	0.1000	55.2	50.0	10.4	50.0
Isopropylbenzene	Ave	3.544	3.549	0.1000	50.1	50.0	0.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8158	0.3000	48.7	50.0	-2.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3144		47.4	50.0	-5.3	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2354		47.6	50.0	-4.8	30.0
Bromobenzene	Ave	0.8785	0.8188		46.6	50.0	-6.8	30.0
N-Propylbenzene	Ave	3.907	3.717		47.6	50.0	-4.9	30.0
2-Chlorotoluene	Ave	0.7886	0.7480		47.4	50.0	-5.2	30.0
1,3,5-Trimethylbenzene	Ave	2.985	2.851		47.8	50.0	-4.5	30.0
4-Chlorotoluene	Ave	0.8449	0.7876		46.6	50.0	-6.8	30.0
tert-Butylbenzene	Ave	0.6316	0.6205		49.1	50.0	-1.8	30.0
1,2,4-Trimethylbenzene	Ave	3.167	2.990		47.2	50.0	-5.6	30.0
sec-Butylbenzene	Ave	3.900	3.870		49.6	50.0	-0.8	30.0
4-Isopropyltoluene	Ave	3.235	3.131		48.4	50.0	-3.2	30.0
1,3-Dichlorobenzene	Ave	1.685	1.533	0.6000	45.5	50.0	-9.0	30.0
1,4-Dichlorobenzene	Ave	1.631	1.448	0.5000	44.4	50.0	-11.2	30.0
n-Butylbenzene	Ave	3.083	2.821		45.8	50.0	-8.5	30.0
1,2-Dichlorobenzene	Ave	1.684	1.588	0.4000	47.1	50.0	-5.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: ICV 480-277678/21 Calibration Date: 12/02/2015 09:54

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P1895.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1862	0.0500	50.8	50.0	1.6	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.045	0.2000	44.1	50.0	-11.8	30.0
Hexachlorobutadiene	Ave	1.314	1.226		46.7	50.0	-6.7	30.0
Naphthalene	Ave	4.812	4.601		47.8	50.0	-4.4	30.0
1,2,3-Trichlorobenzene	Ave	1.970	1.757		44.6	50.0	-10.8	30.0
Dibromofluoromethane (Surr)	Ave	1.279	1.252		48.9	50.0	-2.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.7563		48.9	50.0	-2.1	30.0
Toluene-d8 (Surr)	Ave	2.187	2.180		49.8	50.0	-0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7602		49.9	50.0	-0.2	30.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1895.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 02-Dec-2015 09:54:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: NMD Instrument ID: HP5973P
Sublist:

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:54:11 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 10:50:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.901	0.005	98	464673	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	88	957178	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.830	-0.001	96	876610	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	93	581543	50.0	48.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	351446	50.0	48.9	
$ 5 Toluene-d8 (Surr)	98	11.877	11.883	-0.006	93	2086646	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	94	727613	50.0	49.9	
10 Dichlorodifluoromethane	85	4.042	4.030	0.012	99	751399	50.0	50.9	
11 Chloromethane	50	4.346	4.340	0.006	99	729601	50.0	55.2	
17 Vinyl chloride	62	4.577	4.571	0.006	98	589563	50.0	56.3	
149 Butadiene	54	4.595	4.595	0.000	96	543484	50.0	56.5	
12 Bromomethane	94	5.125	5.125	0.000	93	332079	50.0	55.2	
13 Chloroethane	64	5.258	5.252	0.006	97	357379	50.0	54.1	
19 Dichlorofluoromethane	67	5.563	5.557	0.007	98	1192163	50.0	51.9	
14 Trichlorofluoromethane	101	5.684	5.678	0.006	98	994057	50.0	53.5	M
20 Ethyl ether	59	5.970	5.964	0.006	97	622606	50.0	47.3	
22 Acrolein	56	6.220	6.220	0.000	99	560811	250.0	198.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.317	6.305	0.012	94	714303	50.0	46.1	
25 1,1-Dichloroethene	96	6.384	6.384	0.000	93	710871	50.0	45.9	
24 Acetone	43	6.402	6.396	0.006	98	1548987	250.0	290.9	
18 Iodomethane	142	6.633	6.633	0.000	100	1152625	50.0	48.7	
30 Methyl acetate	43	6.773	6.773	0.000	100	3021469	250.0	247.6	
27 Carbon disulfide	76	6.779	6.779	0.000	99	2258348	50.0	47.0	
28 3-Chloro-1-propene	41	6.816	6.810	0.006	90	1260093	50.0	49.1	
31 Methylene Chloride	84	6.992	6.986	0.006	94	697364	50.0	51.6	
33 2-Methyl-2-propanol	59	7.017	7.010	0.007	98	899071	500.0	519.5	
32 Methyl tert-butyl ether	73	7.236	7.229	0.007	99	2000675	50.0	48.4	
34 Acrylonitrile	53	7.278	7.272	0.006	97	2664739	500.0	477.4	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	92	620839	50.0	47.5	
36 Hexane	57	7.540	7.540	0.000	95	1199466	50.0	46.8	
38 Vinyl acetate	43	7.783	7.777	0.006	97	2219119	100.0	70.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.838	7.832	0.006	97	1343063	50.0	46.2	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	2027495	250.0	258.1	
43 cis-1,2-Dichloroethene	96	8.531	8.531	0.000	87	674931	50.0	47.6	
45 2,2-Dichloropropane	77	8.537	8.537	0.000	89	872585	50.0	43.9	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	323144	50.0	47.6	
51 Tetrahydrofuran	42	8.878	8.872	0.006	93	475143	100.0	92.9	
49 Chloroform	83	8.884	8.884	0.000	96	1173830	50.0	46.9	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	818370	50.0	49.2	
54 Cyclohexane	56	9.225	9.219	0.006	95	1452247	50.0	48.9	
53 Isobutyl alcohol	43	9.298	9.292	0.006	98	973573	1250.0	1292.1	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	93	865276	50.0	47.1	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	909501	50.0	49.0	
57 Benzene	78	9.602	9.602	0.000	98	2447000	50.0	47.8	
60 1,2-Dichloroethane	62	9.626	9.626	0.000	97	1054384	50.0	45.6	
59 n-Heptane	43	9.724	9.718	0.006	98	1307295	50.0	48.3	
62 Trichloroethene	95	10.356	10.356	0.000	95	673555	50.0	48.5	
64 Methylcyclohexane	83	10.594	10.594	0.000	98	1170571	50.0	49.2	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	93	736513	50.0	49.5	
68 1,4-Dioxane	88	10.788	10.788	0.000	98	120044	1000.0	1020.8	
69 Dibromomethane	93	10.855	10.855	0.000	96	397532	50.0	48.4	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	919156	50.0	49.3	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	152188	50.0	55.4	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	1077284	50.0	49.8	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	3963249	250.0	249.9	
76 Toluene	92	11.975	11.975	0.000	97	1513884	50.0	44.5	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	751961	50.0	50.7	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	94	938981	50.0	48.1	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	455097	50.0	48.8	
80 Tetrachloroethene	166	12.717	12.717	0.000	93	599869	50.0	46.0	
83 2-Hexanone	43	12.729	12.729	0.000	97	2734873	250.0	250.5	
82 1,3-Dichloropropane	76	12.753	12.753	0.000	99	891784	50.0	47.2	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	90	662791	50.0	52.0	
85 Ethylene Dibromide	107	13.301	13.295	0.006	98	601715	50.0	49.4	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1744632	50.0	47.1	
89 Ethylbenzene	91	13.946	13.952	-0.006	99	2787854	50.0	47.3	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	93	610484	50.0	48.6	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	1181700	50.0	47.3	
93 o-Xylene	106	14.639	14.639	0.000	96	1167805	50.0	46.5	
94 Styrene	104	14.658	14.658	0.000	94	1814320	50.0	46.6	
92 Bromoform	173	15.010	15.010	0.000	96	442485	50.0	55.2	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	3110852	50.0	50.1	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	715174	50.0	48.7	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	78	275580	50.0	47.4	
101 1,2,3-Trichloropropane	110	15.594	15.594	0.000	77	206326	50.0	47.6	
100 Bromobenzene	156	15.600	15.600	0.000	93	717760	50.0	46.6	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	3258041	50.0	47.6	
103 2-Chlorotoluene	126	15.795	15.801	-0.006	95	655685	50.0	47.4	
102 1,3,5-Trimethylbenzene	105	15.807	15.807	0.000	93	2499120	50.0	47.8	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	690456	50.0	46.6	
106 tert-Butylbenzene	134	16.245	16.245	0.000	93	543959	50.0	49.1	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	97	2621322	50.0	47.2	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	3392701	50.0	49.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2744770	50.0	48.4	
110 1,3-Dichlorobenzene	146	16.756	16.756	0.000	96	1344176	50.0	45.5	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	1269386	50.0	44.4	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2473266	50.0	45.8	
116 1,2-Dichlorobenzene	146	17.346	17.346	0.000	96	1391966	50.0	47.1	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	163237	50.0	50.8	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	915822	50.0	44.1	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	569759	50.0	46.7	
121 Naphthalene	128	19.810	19.810	0.000	97	2138001	50.0	47.8	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	95	816640	50.0	44.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00031	Amount Added:	25.00	Units: uL	
SS GAS CORP_00101	Amount Added:	25.00	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

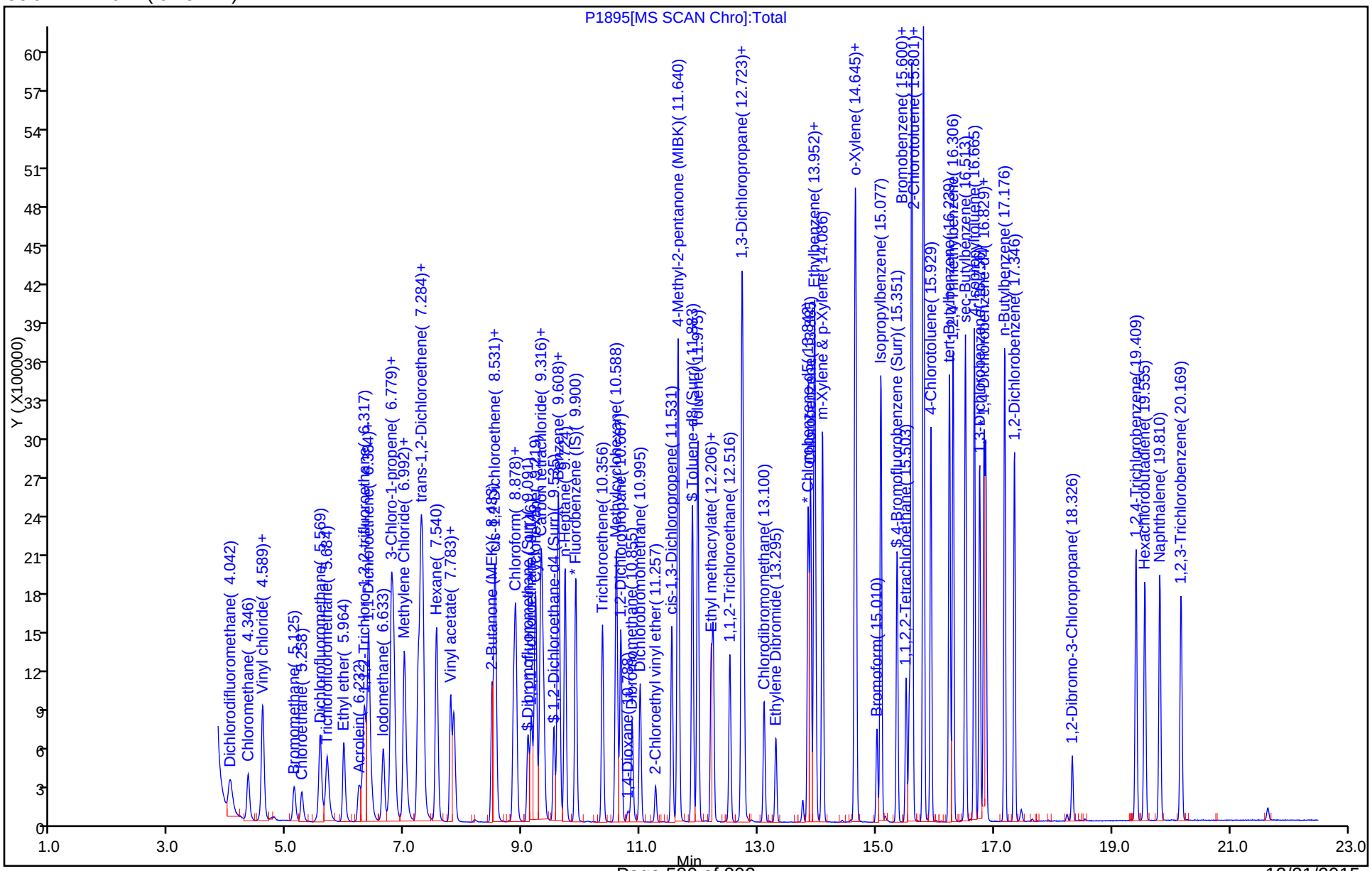
Report Date: 02-Dec-2015 14:54:21 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1895.D

Injection Date:	02-Dec-2015 09:54:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	ICV			Worklist Smp#:	21
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

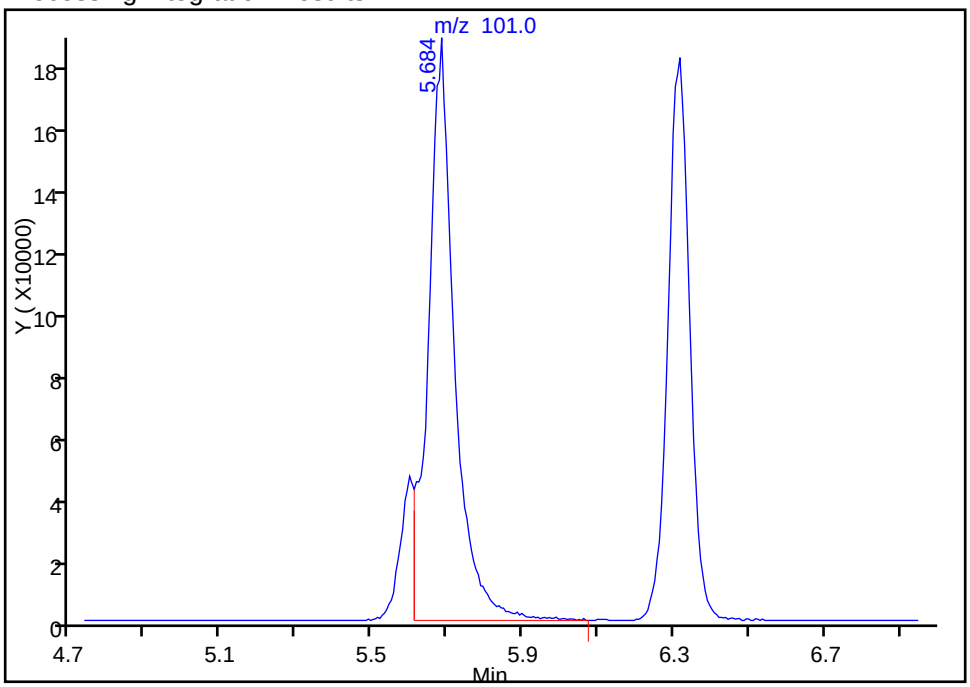
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1895.D
Injection Date: 02-Dec-2015 09:54:30 Instrument ID: HP5973P
Lims ID: ICV
Client ID:
Operator ID: NMD ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

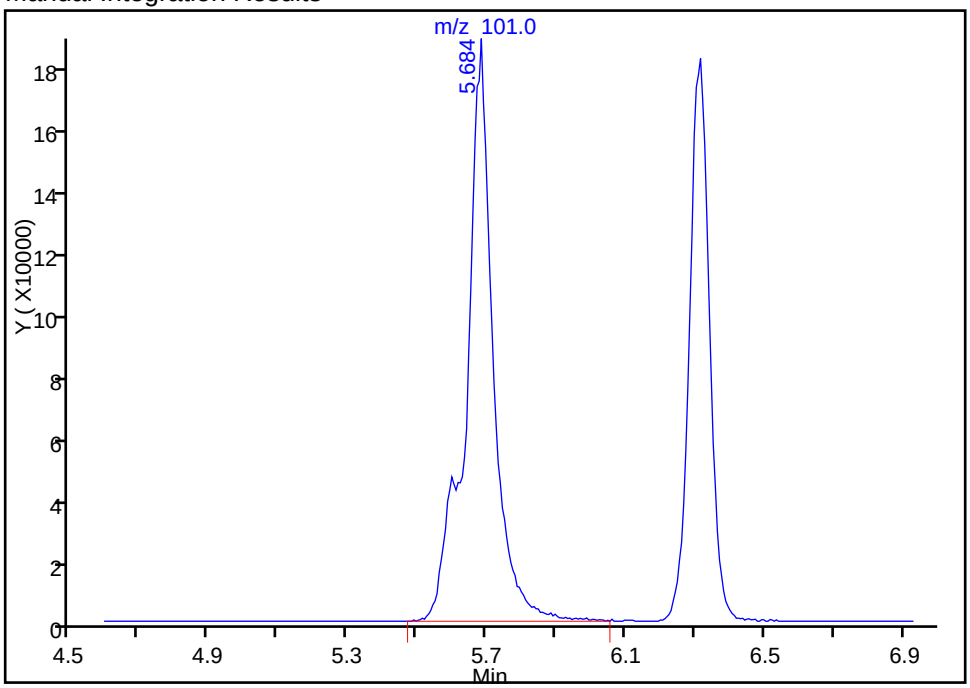
Processing Integration Results

RT: 5.68
Area: 889785
Amount: 47.932493
Amount Units: ug/L



Manual Integration Results

RT: 5.68
Area: 994057
Amount: 53.549600
Amount Units: ug/L



Reviewer: cwiklinc, 02-Dec-2015 10:50:29
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279063/3 Calibration Date: 12/10/2015 11:05

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2219.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.635	0.1000	51.4	50.0	2.9	50.0
Chloromethane	Ave	1.423	1.621	0.1000	57.0	50.0	14.0	20.0
Vinyl chloride	Ave	1.126	1.326	0.1000	58.9	50.0	17.8	20.0
Butadiene	Ave	1.035	1.307		63.2	50.0	26.3*	20.0
Bromomethane	Ave	0.6478	0.7029	0.1000	54.3	50.0	8.5	50.0
Chloroethane	Ave	0.7111	0.7558	0.1000	53.1	50.0	6.3	50.0
Dichlorofluoromethane	Ave	2.470	2.498		50.6	50.0	1.1	20.0
Trichlorofluoromethane	Ave	1.997	2.362	0.1000	59.1	50.0	18.3	20.0
Ethyl ether	Ave	1.416	1.322		46.7	50.0	-6.6	20.0
Acrolein	Ave	0.3039	0.2727		224	250	-10.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.695	0.1000	50.9	50.0	1.7	20.0
1,1-Dichloroethene	Ave	1.668	1.593	0.1000	47.8	50.0	-4.5	20.0
Acetone	Ave	0.5730	0.5000	0.1000	218	250	-12.7	50.0
Iodomethane	Ave	2.547	2.532		49.7	50.0	-0.6	20.0
Methyl acetate	Ave	1.313	1.157	0.1000	220	250	-11.9	50.0
Carbon disulfide	Ave	5.168	5.432	0.1000	52.6	50.0	5.1	20.0
Allyl chloride	Ave	2.761	2.822		51.1	50.0	2.2	20.0
Methylene Chloride	Lin1		1.512	0.1000	52.0	50.0	4.0	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1723		463	500	-7.5	50.0
Methyl tert-butyl ether	Ave	4.451	4.196	0.1000	47.1	50.0	-5.7	20.0
Acrylonitrile	Ave	0.6006	0.5505		458	500	-8.3	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.364	0.1000	48.4	50.0	-3.1	20.0
Hexane	Ave	2.756	2.706		49.1	50.0	-1.8	20.0
Vinyl acetate	Ave	3.377	3.502		104	100	3.7	20.0
1,1-Dichloroethane	Ave	3.128	3.035	0.2000	48.5	50.0	-3.0	20.0
2-Butanone (MEK)	Ave	0.8452	0.7709	0.1000	228	250	-8.8	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.489	0.1000	48.8	50.0	-2.5	20.0
2,2-Dichloropropane	Ave	2.140	2.284		53.4	50.0	6.7	20.0
Chlorobromomethane	Ave	0.7304	0.6985		47.8	50.0	-4.4	20.0
Tetrahydrofuran	Ave	0.5503	0.4924		89.5	100	-10.5	20.0
Chloroform	Ave	2.693	2.531	0.2000	47.0	50.0	-6.0	20.0
1,1,1-Trichloroethane	Ave	1.791	2.042	0.1000	57.0	50.0	14.0	20.0
Cyclohexane	Ave	3.194	3.395	0.1000	53.1	50.0	6.3	20.0
Isobutyl alcohol	Ave	0.0811	0.0758		1170	1250	-6.6	50.0
1,1-Dichloropropene	Ave	1.976	1.988		50.3	50.0	0.6	20.0
Carbon tetrachloride	Ave	1.996	2.184	0.1000	54.7	50.0	9.4	20.0
Benzene	Ave	5.514	5.481	0.5000	49.7	50.0	-0.6	20.0
1,2-Dichloroethane	Ave	2.489	2.230	0.1000	44.8	50.0	-10.4	20.0
n-Heptane	Ave	2.915	3.048		52.3	50.0	4.6	20.0
Trichloroethene	Ave	1.493	1.466	0.2000	49.1	50.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279063/3 Calibration Date: 12/10/2015 11:05

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2219.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.767	0.1000	54.1	50.0	8.2	20.0
1,2-Dichloropropane	Ave	1.601	1.546	0.1000	48.3	50.0	-3.4	20.0
1,4-Dioxane	Ave	0.0061	0.0056		904	1000	-9.6	50.0
Dibromomethane	Ave	0.8832	0.8319	0.1000	47.1	50.0	-5.8	20.0
Bromodichloromethane	Ave	2.008	1.952	0.2000	48.6	50.0	-2.8	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6488		110	50.0	119.3*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.361	0.2000	50.7	50.0	1.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.7850	0.1000	237	250	-5.2	20.0
Toluene	Ave	1.776	1.650	0.4000	46.5	50.0	-7.1	20.0
Ethyl methacrylate	Ave	0.7749	0.7823		50.5	50.0	1.0	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.033	0.1000	50.7	50.0	1.3	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4675	0.1000	48.0	50.0	-3.9	20.0
Tetrachloroethene	Ave	0.6818	0.6919	0.2000	50.7	50.0	1.5	20.0
2-Hexanone	Ave	0.5703	0.5263	0.1000	231	250	-7.7	20.0
1,3-Dichloropropane	Ave	0.9875	0.9053		45.8	50.0	-8.3	20.0
Dibromochloromethane	Ave	0.6656	0.6802	0.1000	51.1	50.0	2.2	20.0
1,2-Dibromoethane	Ave	0.6363	0.6080		47.8	50.0	-4.5	20.0
Chlorobenzene	Ave	1.935	1.893	0.5000	48.9	50.0	-2.2	20.0
Ethylbenzene	Ave	3.077	3.110	0.1000	50.5	50.0	1.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6522		49.7	50.0	-0.7	20.0
m,p-Xylene	Ave	1.304	1.322	0.1000	50.7	50.0	1.3	20.0
o-Xylene	Ave	1.313	1.316	0.3000	50.1	50.0	0.2	20.0
Styrene	Ave	2.033	2.027	0.3000	49.8	50.0	-0.3	20.0
Bromoform	Ave	0.4187	0.4431	0.1000	52.9	50.0	5.8	50.0
Isopropylbenzene	Ave	3.544	3.795	0.1000	53.5	50.0	7.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8138	0.3000	48.5	50.0	-2.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3312		49.9	50.0	-0.2	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2236		45.2	50.0	-9.5	20.0
Bromobenzene	Ave	0.8785	0.8404		47.8	50.0	-4.3	20.0
N-Propylbenzene	Ave	3.907	4.065		52.0	50.0	4.0	20.0
2-Chlorotoluene	Ave	0.7886	0.7827		49.6	50.0	-0.8	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.056		51.2	50.0	2.4	20.0
4-Chlorotoluene	Ave	0.8449	0.8639		51.1	50.0	2.2	20.0
tert-Butylbenzene	Ave	0.6316	0.6591		52.2	50.0	4.4	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.271		51.6	50.0	3.3	20.0
sec-Butylbenzene	Ave	3.900	4.245		54.4	50.0	8.8	20.0
4-Isopropyltoluene	Ave	3.235	3.473		53.7	50.0	7.4	20.0
1,3-Dichlorobenzene	Ave	1.685	1.662	0.6000	49.3	50.0	-1.4	20.0
1,4-Dichlorobenzene	Ave	1.631	1.565	0.5000	48.0	50.0	-4.0	20.0
n-Butylbenzene	Ave	3.083	3.347		54.3	50.0	8.5	20.0
1,2-Dichlorobenzene	Ave	1.684	1.658	0.4000	49.2	50.0	-1.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279063/3 Calibration Date: 12/10/2015 11:05

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2219.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1702	0.0500	46.4	50.0	-7.2	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.214	0.2000	51.3	50.0	2.5	20.0
Hexachlorobutadiene	Ave	1.314	1.404		53.4	50.0	6.9	20.0
Naphthalene	Ave	4.812	4.786		49.7	50.0	-0.6	20.0
1,2,3-Trichlorobenzene	Ave	1.970	1.959		49.7	50.0	-0.5	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.278		49.9	50.0	-0.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.7733		50.0	50.0	0.0	20.0
Toluene-d8 (Surr)	Ave	2.187	2.213		50.6	50.0	1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7527		49.4	50.0	-1.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2219.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Dec-2015 11:05:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049115-003
Operator ID: CDC Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Dec-2015 14:41:09 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: cwiklinc Date: 10-Dec-2015 11:35:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	331236	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	88	682657	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	627765	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	93	423229	50.0	49.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	256144	50.0	50.0	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1510419	50.0	50.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	513824	50.0	49.4	
10 Dichlorodifluoromethane	85	4.036	4.036	0.000	99	541699	50.0	51.4	
11 Chloromethane	50	4.340	4.340	0.000	99	537085	50.0	57.0	
17 Vinyl chloride	62	4.565	4.565	0.000	98	439340	50.0	58.9	
149 Butadiene	54	4.596	4.596	0.000	96	432941	50.0	63.2	
12 Bromomethane	94	5.125	5.125	0.000	93	232823	50.0	54.3	
13 Chloroethane	64	5.253	5.253	0.000	96	250339	50.0	53.1	
19 Dichlorofluoromethane	67	5.551	5.551	0.000	98	827351	50.0	50.6	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	98	782385	50.0	59.1	
20 Ethyl ether	59	5.958	5.958	0.000	98	437823	50.0	46.7	
22 Acrolein	56	6.214	6.214	0.000	98	451621	250.0	224.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	94	561498	50.0	50.9	
25 1,1-Dichloroethene	96	6.372	6.372	0.000	93	527798	50.0	47.8	
24 Acetone	43	6.396	6.396	0.000	98	828103	250.0	218.2	
18 Iodomethane	142	6.628	6.628	0.000	100	838585	50.0	49.7	
30 Methyl acetate	43	6.767	6.767	0.000	99	1916524	250.0	220.4	
27 Carbon disulfide	76	6.774	6.774	0.000	100	1799329	50.0	52.6	
28 3-Chloro-1-propene	41	6.804	6.804	0.000	90	934655	50.0	51.1	
31 Methylene Chloride	84	6.980	6.980	0.000	94	500865	50.0	52.0	
33 2-Methyl-2-propanol	59	6.999	6.999	0.000	98	570742	500.0	462.7	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1389914	50.0	47.1	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1823478	500.0	458.3	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	451683	50.0	48.4	
36 Hexane	57	7.534	7.534	0.000	95	896340	50.0	49.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2320223	100.0	103.7	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	96	1005366	50.0	48.5	
44 2-Butanone (MEK)	43	8.471	8.471	0.000	98	1276717	250.0	228.0	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	87	493084	50.0	48.8	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	90	756476	50.0	53.4	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	231378	50.0	47.8	
51 Tetrahydrofuran	42	8.872	8.872	0.000	91	326179	100.0	89.5	
49 Chloroform	83	8.878	8.878	0.000	96	838305	50.0	47.0	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	676309	50.0	57.0	
54 Cyclohexane	56	9.213	9.213	0.000	95	1124533	50.0	53.1	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	627398	1250.0	1168.1	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	91	658362	50.0	50.3	
55 Carbon tetrachloride	117	9.347	9.347	0.000	96	723296	50.0	54.7	
57 Benzene	78	9.596	9.596	0.000	98	1815587	50.0	49.7	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	96	738667	50.0	44.8	
59 n-Heptane	43	9.718	9.718	0.000	97	1009680	50.0	52.3	
62 Trichloroethene	95	10.351	10.351	0.000	94	485738	50.0	49.1	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	916496	50.0	54.1	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	93	512132	50.0	48.3	
68 1,4-Dioxane	88	10.789	10.789	0.000	99	75799	1000.0	903.8	
69 Dibromomethane	93	10.850	10.850	0.000	97	275556	50.0	47.1	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	646677	50.0	48.6	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	214920	50.0	109.7	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	91	781944	50.0	50.7	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2679515	250.0	236.9	
76 Toluene	92	11.969	11.969	0.000	97	1126267	50.0	46.5	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	534063	50.0	50.5	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	98	705132	50.0	50.7	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	319160	50.0	48.0	
80 Tetrachloroethene	166	12.717	12.717	0.000	93	472308	50.0	50.7	
83 2-Hexanone	43	12.723	12.723	0.000	99	1796366	250.0	230.7	
82 1,3-Dichloropropane	76	12.748	12.748	0.000	99	617988	50.0	45.8	
81 Chlorodibromomethane	129	13.094	13.094	0.000	91	464333	50.0	51.1	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	415019	50.0	47.8	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1292245	50.0	48.9	
89 Ethylbenzene	91	13.946	13.946	0.000	98	2123324	50.0	50.5	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	445233	50.0	49.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	902260	50.0	50.7	
93 o-Xylene	106	14.634	14.634	0.000	97	898281	50.0	50.1	
94 Styrene	104	14.652	14.652	0.000	95	1383438	50.0	49.8	
92 Bromoform	173	15.011	15.011	0.000	96	302486	50.0	52.9	
95 Isopropylbenzene	105	15.078	15.078	0.000	96	2382092	50.0	53.5	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	510853	50.0	48.5	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	81	207883	50.0	49.9	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	75	140357	50.0	45.2	
100 Bromobenzene	156	15.595	15.595	0.000	96	527547	50.0	47.8	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2551984	50.0	52.0	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	491343	50.0	49.6	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	1918257	50.0	51.2	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	542305	50.0	51.1	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	413778	50.0	52.2	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	2053445	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2665042	50.0	54.4	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2180443	50.0	53.7	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	1043031	50.0	49.3	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	982644	50.0	48.0	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2101083	50.0	54.3	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	1040925	50.0	49.2	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	84	106833	50.0	46.4	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	762249	50.0	51.3	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	96	465025	50.0	53.4	
121 Naphthalene	128	19.811	19.811	0.000	97	1585218	50.0	49.7	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	95	648921	50.0	49.7	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00125	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

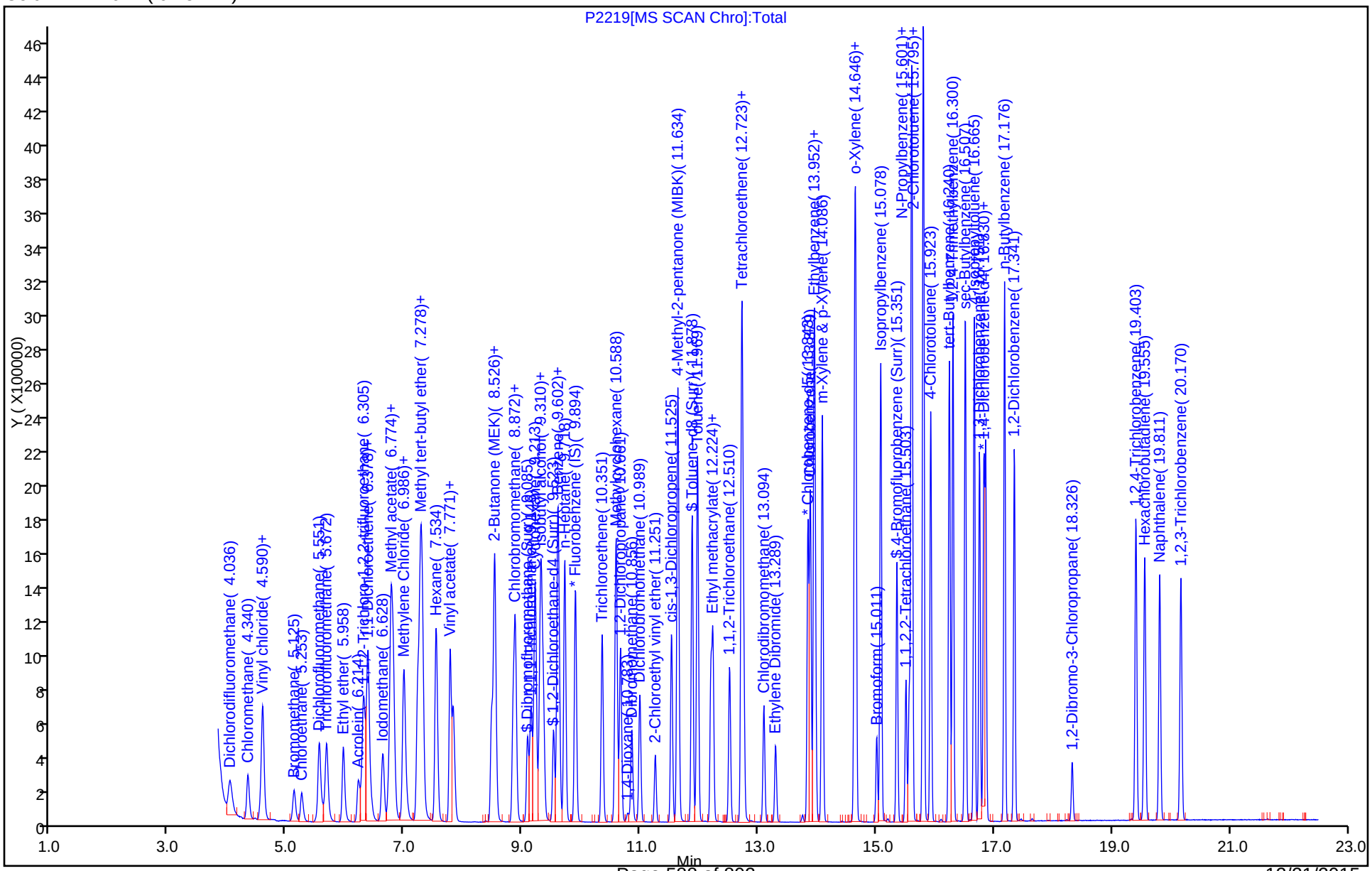
Report Date: 10-Dec-2015 14:41:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2219.D

Injection Date:	10-Dec-2015 11:05:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279212/3 Calibration Date: 12/10/2015 23:06

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2243.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.780	0.1000	56.0	50.0	12.0	50.0
Chloromethane	Ave	1.423	1.680	0.1000	59.0	50.0	18.1	20.0
Vinyl chloride	Ave	1.126	1.358	0.1000	60.3	50.0	20.6*	20.0
Butadiene	Ave	1.035	1.363		65.9	50.0	31.7*	20.0
Bromomethane	Ave	0.6478	0.6998	0.1000	54.0	50.0	8.0	50.0
Chloroethane	Ave	0.7111	0.7951	0.1000	55.9	50.0	11.8	50.0
Dichlorofluoromethane	Ave	2.470	2.602		52.7	50.0	5.4	20.0
Trichlorofluoromethane	Ave	1.997	2.534	0.1000	63.4	50.0	26.9*	20.0
Ethyl ether	Ave	1.416	1.474		52.1	50.0	4.2	20.0
Acrolein	Ave	0.3039	0.3253		268	250	7.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.863	0.1000	55.9	50.0	11.8	20.0
1,1-Dichloroethene	Ave	1.668	1.721	0.1000	51.6	50.0	3.2	20.0
Acetone	Ave	0.5730	0.6367	0.1000	278	250	11.1	50.0
Iodomethane	Ave	2.547	2.745		53.9	50.0	7.8	20.0
Methyl acetate	Ave	1.313	1.393	0.1000	265	250	6.1	50.0
Carbon disulfide	Ave	5.168	5.811	0.1000	56.2	50.0	12.4	20.0
Allyl chloride	Ave	2.761	3.102		56.2	50.0	12.4	20.0
Methylene Chloride	Lin1		1.653	0.1000	57.1	50.0	14.1	20.0
2-Methyl-2-propanol	Ave	0.1862	0.2206		592	500	18.4	50.0
Methyl tert-butyl ether	Ave	4.451	4.757	0.1000	53.4	50.0	6.9	20.0
Acrylonitrile	Ave	0.6006	0.6457		538	500	7.5	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.463	0.1000	52.0	50.0	3.9	20.0
Hexane	Ave	2.756	2.876		52.2	50.0	4.3	20.0
Vinyl acetate	Ave	3.377	3.988		118	100	18.1	20.0
1,1-Dichloroethane	Ave	3.128	3.262	0.2000	52.1	50.0	4.3	20.0
2-Butanone (MEK)	Ave	0.8452	0.9463	0.1000	280	250	12.0	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.567	0.1000	51.3	50.0	2.7	20.0
2,2-Dichloropropane	Ave	2.140	2.461		57.5	50.0	15.0	20.0
Chlorobromomethane	Ave	0.7304	0.7568		51.8	50.0	3.6	20.0
Tetrahydrofuran	Ave	0.5503	0.6029		110	100	9.6	20.0
Chloroform	Ave	2.693	2.785	0.2000	51.7	50.0	3.4	20.0
1,1,1-Trichloroethane	Ave	1.791	2.221	0.1000	62.0	50.0	24.0*	20.0
Cyclohexane	Ave	3.194	3.625	0.1000	56.7	50.0	13.5	20.0
Isobutyl alcohol	Ave	0.0811	0.0965		1490	1250	19.0	50.0
1,1-Dichloropropene	Ave	1.976	2.149		54.4	50.0	8.8	20.0
Carbon tetrachloride	Ave	1.996	2.384	0.1000	59.7	50.0	19.5	20.0
Benzene	Ave	5.514	5.778	0.5000	52.4	50.0	4.8	20.0
1,2-Dichloroethane	Ave	2.489	2.510	0.1000	50.4	50.0	0.8	20.0
n-Heptane	Ave	2.915	3.248		55.7	50.0	11.4	20.0
Trichloroethene	Ave	1.493	1.564	0.2000	52.4	50.0	4.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279212/3 Calibration Date: 12/10/2015 23:06

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2243.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.960	0.1000	57.9	50.0	15.7	20.0
1,2-Dichloropropane	Ave	1.601	1.659	0.1000	51.8	50.0	3.6	20.0
1,4-Dioxane	Ave	0.0061	0.0064		1040	1000	3.7	50.0
Dibromomethane	Ave	0.8832	0.9217	0.1000	52.2	50.0	4.4	20.0
Bromodichloromethane	Ave	2.008	2.157	0.2000	53.7	50.0	7.4	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.8082		137	50.0	173.2*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.532	0.2000	54.4	50.0	8.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.9500	0.1000	287	250	14.7	20.0
Toluene	Ave	1.776	1.750	0.4000	49.3	50.0	-1.4	20.0
Ethyl methacrylate	Ave	0.7749	0.8876		57.3	50.0	14.5	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.125	0.1000	55.2	50.0	10.4	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.5208	0.1000	53.5	50.0	7.0	20.0
Tetrachloroethene	Ave	0.6818	0.7370	0.2000	54.0	50.0	8.1	20.0
2-Hexanone	Ave	0.5703	0.6454	0.1000	283	250	13.2	20.0
1,3-Dichloropropane	Ave	0.9875	1.006		50.9	50.0	1.8	20.0
Dibromochloromethane	Ave	0.6656	0.7633	0.1000	57.3	50.0	14.7	20.0
1,2-Dibromoethane	Ave	0.6363	0.6698		52.6	50.0	5.3	20.0
Chlorobenzene	Ave	1.935	2.022	0.5000	52.3	50.0	4.5	20.0
Ethylbenzene	Ave	3.077	3.329	0.1000	54.1	50.0	8.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6998		53.3	50.0	6.6	20.0
m,p-Xylene	Ave	1.304	1.403	0.1000	53.8	50.0	7.6	20.0
o-Xylene	Ave	1.313	1.375	0.3000	52.4	50.0	4.7	20.0
Styrene	Ave	2.033	2.151	0.3000	52.9	50.0	5.8	20.0
Bromoform	Ave	0.4187	0.4912	0.1000	58.7	50.0	17.3	50.0
Isopropylbenzene	Ave	3.544	4.123	0.1000	58.2	50.0	16.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.9548	0.3000	56.9	50.0	13.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.4047		61.0	50.0	22.0	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2626		53.1	50.0	6.2	20.0
Bromobenzene	Ave	0.8785	0.9092		51.7	50.0	3.5	20.0
N-Propylbenzene	Ave	3.907	4.432		56.7	50.0	13.4	20.0
2-Chlorotoluene	Ave	0.7886	0.8498		53.9	50.0	7.7	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.312		55.5	50.0	11.0	20.0
4-Chlorotoluene	Ave	0.8449	0.9332		55.2	50.0	10.4	20.0
tert-Butylbenzene	Ave	0.6316	0.7121		56.4	50.0	12.7	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.562		56.2	50.0	12.5	20.0
sec-Butylbenzene	Ave	3.900	4.605		59.0	50.0	18.1	20.0
4-Isopropyltoluene	Ave	3.235	3.724		57.6	50.0	15.1	20.0
1,3-Dichlorobenzene	Ave	1.685	1.787	0.6000	53.0	50.0	6.1	20.0
1,4-Dichlorobenzene	Ave	1.631	1.691	0.5000	51.9	50.0	3.7	20.0
n-Butylbenzene	Ave	3.083	3.588		58.2	50.0	16.4	20.0
1,2-Dichlorobenzene	Ave	1.684	1.794	0.4000	53.3	50.0	6.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279212/3 Calibration Date: 12/10/2015 23:06

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2243.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.2060	0.0500	56.2	50.0	12.3	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.281	0.2000	54.1	50.0	8.2	20.0
Hexachlorobutadiene	Ave	1.314	1.416		53.9	50.0	7.8	20.0
Naphthalene	Ave	4.812	5.136		53.4	50.0	6.7	20.0
1,2,3-Trichlorobenzene	Ave	1.970	2.038		51.7	50.0	3.5	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.382		54.0	50.0	8.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8385		54.2	50.0	8.5	20.0
Toluene-d8 (Surr)	Ave	2.187	2.346		53.6	50.0	7.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7741		50.8	50.0	1.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2243.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Dec-2015 23:06:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049138-003
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Dec-2015 23:39:34 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 10-Dec-2015 23:39:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	97	295287	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	605814	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	96	541983	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	93	408106	50.0	54.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	247588	50.0	54.2	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1421344	50.0	53.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	468953	50.0	50.8	
10 Dichlorodifluoromethane	85	4.042	4.042	0.000	99	525670	50.0	56.0	
11 Chloromethane	50	4.346	4.346	0.000	99	496125	50.0	59.0	
17 Vinyl chloride	62	4.571	4.571	0.000	97	401052	50.0	60.3	
149 Butadiene	54	4.595	4.595	0.000	97	402557	50.0	65.9	
12 Bromomethane	94	5.119	5.119	0.000	93	206627	50.0	54.0	
13 Chloroethane	64	5.252	5.252	0.000	96	234773	50.0	55.9	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	768476	50.0	52.7	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	98	748309	50.0	63.4	
20 Ethyl ether	59	5.958	5.958	0.000	97	435353	50.0	52.1	
22 Acrolein	56	6.214	6.214	0.000	98	480304	250.0	267.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	93	550058	50.0	55.9	
25 1,1-Dichloroethene	96	6.372	6.372	0.000	93	508062	50.0	51.6	
24 Acetone	43	6.390	6.390	0.000	98	940014	250.0	277.8	
18 Iodomethane	142	6.633	6.633	0.000	99	810571	50.0	53.9	
30 Methyl acetate	43	6.767	6.767	0.000	99	2057117	250.0	265.3	
27 Carbon disulfide	76	6.773	6.773	0.000	99	1715901	50.0	56.2	
28 3-Chloro-1-propene	41	6.804	6.804	0.000	90	916099	50.0	56.2	
31 Methylene Chloride	84	6.986	6.986	0.000	94	488139	50.0	57.1	
33 2-Methyl-2-propanol	59	7.004	7.004	0.000	98	651280	500.0	592.2	
32 Methyl tert-butyl ether	73	7.223	7.223	0.000	99	1404820	50.0	53.4	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1906600	500.0	537.5	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	431933	50.0	52.0	
36 Hexane	57	7.534	7.534	0.000	95	849217	50.0	52.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2355286	100.0	118.1	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	963096	50.0	52.1	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1397133	250.0	279.9	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	87	462792	50.0	51.3	
45 2,2-Dichloropropane	77	8.531	8.531	0.000	91	726558	50.0	57.5	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	223464	50.0	51.8	
51 Tetrahydrofuran	42	8.866	8.866	0.000	96	356036	100.0	109.6	
49 Chloroform	83	8.878	8.878	0.000	95	822332	50.0	51.7	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	655806	50.0	62.0	
54 Cyclohexane	56	9.213	9.213	0.000	96	1070296	50.0	56.7	
53 Isobutyl alcohol	43	9.292	9.292	0.000	96	712109	1250.0	1487.2	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	634660	50.0	54.4	
55 Carbon tetrachloride	117	9.347	9.347	0.000	97	704027	50.0	59.7	
57 Benzene	78	9.596	9.596	0.000	98	1706101	50.0	52.4	
60 1,2-Dichloroethane	62	9.620	9.620	0.000	97	741278	50.0	50.4	
59 n-Heptane	43	9.718	9.718	0.000	97	959103	50.0	55.7	
62 Trichloroethene	95	10.350	10.350	0.000	94	461971	50.0	52.4	
64 Methylcyclohexane	83	10.588	10.588	0.000	99	874081	50.0	57.9	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	92	489894	50.0	51.8	
68 1,4-Dioxane	88	10.782	10.782	0.000	97	77204	1000.0	1037.3	
69 Dibromomethane	93	10.849	10.849	0.000	96	272166	50.0	52.2	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	636905	50.0	53.7	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	238637	50.0	136.6	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	747528	50.0	54.4	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2877639	250.0	286.7	
76 Toluene	92	11.969	11.969	0.000	97	1060229	50.0	49.3	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	537705	50.0	57.3	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	95	681480	50.0	55.2	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	94	315522	50.0	53.5	
80 Tetrachloroethene	166	12.711	12.711	0.000	93	446467	50.0	54.0	
83 2-Hexanone	43	12.723	12.723	0.000	97	1954838	250.0	282.9	
82 1,3-Dichloropropane	76	12.747	12.747	0.000	99	609270	50.0	50.9	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	462444	50.0	57.3	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	405743	50.0	52.6	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1225055	50.0	52.3	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2016557	50.0	54.1	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	423955	50.0	53.3	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	849979	50.0	53.8	
93 o-Xylene	106	14.633	14.633	0.000	98	832846	50.0	52.4	
94 Styrene	104	14.652	14.652	0.000	95	1303054	50.0	52.9	
92 Bromoform	173	15.010	15.010	0.000	96	297592	50.0	58.7	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	2234348	50.0	58.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	517487	50.0	56.9	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	82	219329	50.0	61.0	
101 1,2,3-Trichloropropane	110	15.594	15.594	0.000	74	142296	50.0	53.1	
100 Bromobenzene	156	15.594	15.594	0.000	93	492744	50.0	51.7	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2402235	50.0	56.7	
103 2-Chlorotoluene	126	15.795	15.795	0.000	94	460550	50.0	53.9	
102 1,3,5-Trimethylbenzene	105	15.801	15.801	0.000	93	1795186	50.0	55.5	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	505772	50.0	55.2	
106 tert-Butylbenzene	134	16.239	16.239	0.000	94	385933	50.0	56.4	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1930514	50.0	56.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2495571	50.0	59.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2018437	50.0	57.6	
110 1,3-Dichlorobenzene	146	16.750	16.750	0.000	96	968568	50.0	53.0	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	916665	50.0	51.9	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1944686	50.0	58.2	
116 1,2-Dichlorobenzene	146	17.340	17.340	0.000	95	972580	50.0	53.3	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	111633	50.0	56.2	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	95	694546	50.0	54.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	418174	50.0	53.9	
121 Naphthalene	128	19.810	19.810	0.000	98	1516506	50.0	53.4	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	95	601828	50.0	51.7	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00125	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

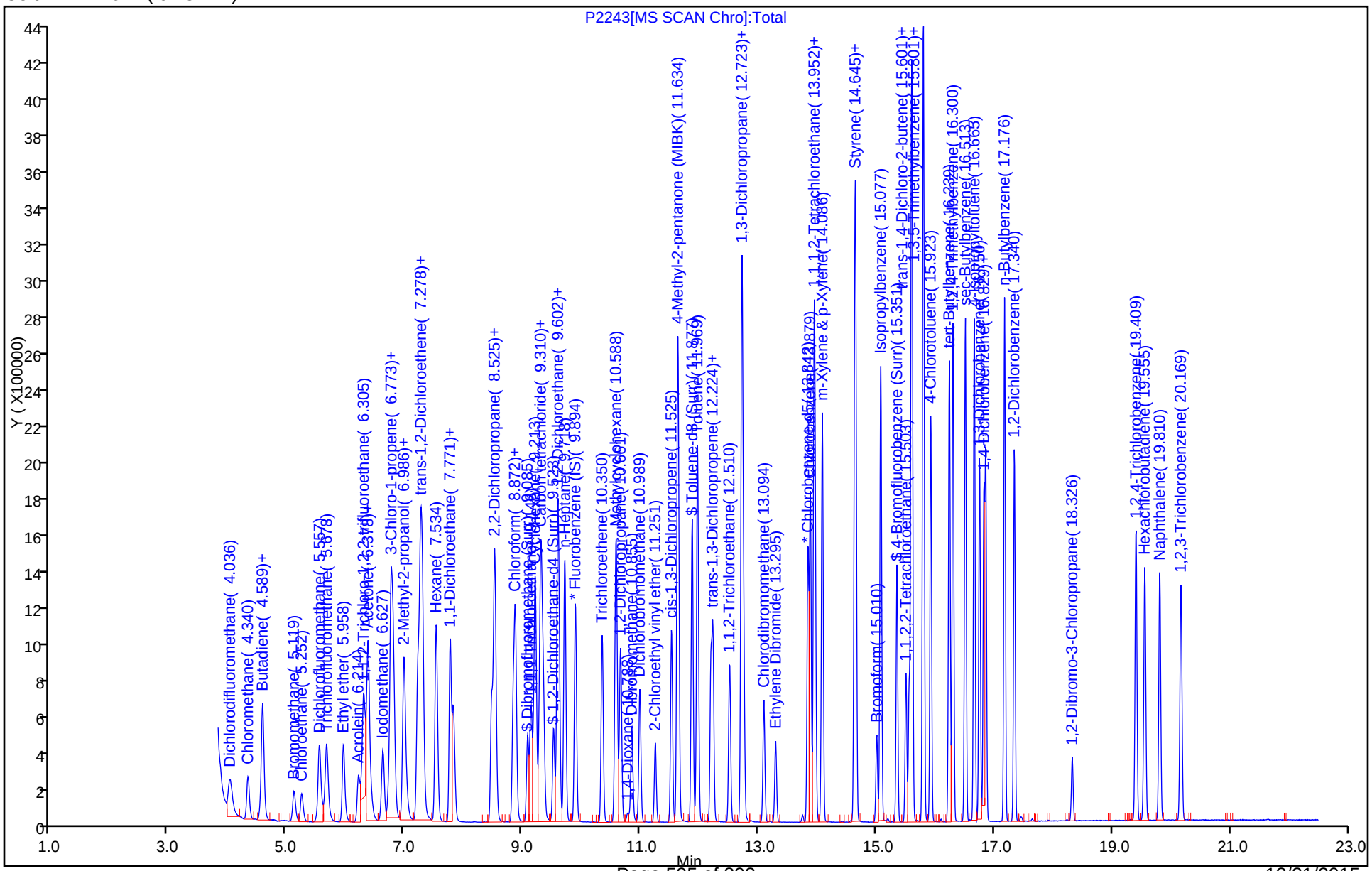
Report Date: 10-Dec-2015 23:39:37 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2243.D

Injection Date:	10-Dec-2015 23:06:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279321/3 Calibration Date: 12/11/2015 11:50

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2267.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.682	0.1000	52.9	50.0	5.8	50.0
Chloromethane	Ave	1.423	1.436	0.1000	50.5	50.0	0.9	20.0
Vinyl chloride	Ave	1.126	1.190	0.1000	52.8	50.0	5.7	20.0
Butadiene	Ave	1.035	1.162		56.1	50.0	12.3	20.0
Bromomethane	Ave	0.6478	0.6404	0.1000	49.4	50.0	-1.1	50.0
Chloroethane	Ave	0.7111	0.7310	0.1000	51.4	50.0	2.8	50.0
Dichlorofluoromethane	Ave	2.470	2.532		51.3	50.0	2.5	20.0
Trichlorofluoromethane	Ave	1.997	2.501	0.1000	62.6	50.0	25.2*	20.0
Ethyl ether	Ave	1.416	1.389		49.1	50.0	-1.8	20.0
Acrolein	Ave	0.3039	0.2914		240	250	-4.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.764	0.1000	52.9	50.0	5.9	20.0
1,1-Dichloroethene	Ave	1.668	1.667	0.1000	50.0	50.0	-0.0	20.0
Acetone	Ave	0.5730	0.5823	0.1000	254	250	1.6	50.0
Iodomethane	Ave	2.547	2.577		50.6	50.0	1.2	20.0
Methyl acetate	Ave	1.313	1.268	0.1000	241	250	-3.4	50.0
Carbon disulfide	Ave	5.168	5.440	0.1000	52.6	50.0	5.3	20.0
Allyl chloride	Ave	2.761	2.872		52.0	50.0	4.0	20.0
Methylene Chloride	Lin1		1.571	0.1000	54.1	50.0	8.2	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1961		527	500	5.3	50.0
Methyl tert-butyl ether	Ave	4.451	4.373	0.1000	49.1	50.0	-1.7	20.0
Acrylonitrile	Ave	0.6006	0.5837		486	500	-2.8	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.392	0.1000	49.4	50.0	-1.1	20.0
Hexane	Ave	2.756	2.713		49.2	50.0	-1.6	20.0
Vinyl acetate	Ave	3.377	3.732		111	100	10.5	20.0
1,1-Dichloroethane	Ave	3.128	3.109	0.2000	49.7	50.0	-0.6	20.0
2-Butanone (MEK)	Ave	0.8452	0.8476	0.1000	251	250	0.3	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.493	0.1000	48.9	50.0	-2.2	20.0
2,2-Dichloropropane	Ave	2.140	2.354		55.0	50.0	10.0	20.0
Chlorobromomethane	Ave	0.7304	0.7140		48.9	50.0	-2.2	20.0
Tetrahydrofuran	Ave	0.5503	0.5274		95.8	100	-4.2	20.0
Chloroform	Ave	2.693	2.695	0.2000	50.0	50.0	0.0	20.0
1,1,1-Trichloroethane	Ave	1.791	2.042	0.1000	57.0	50.0	14.0	20.0
Cyclohexane	Ave	3.194	3.326	0.1000	52.1	50.0	4.1	20.0
Isobutyl alcohol	Ave	0.0811	0.0858		1320	1250	5.8	50.0
1,1-Dichloropropene	Ave	1.976	2.069		52.4	50.0	4.7	20.0
Carbon tetrachloride	Ave	1.996	2.313	0.1000	58.0	50.0	15.9	20.0
Benzene	Ave	5.514	5.527	0.5000	50.1	50.0	0.2	20.0
1,2-Dichloroethane	Ave	2.489	2.427	0.1000	48.8	50.0	-2.5	20.0
n-Heptane	Ave	2.915	3.052		52.3	50.0	4.7	20.0
Trichloroethene	Ave	1.493	1.493	0.2000	50.0	50.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279321/3 Calibration Date: 12/11/2015 11:50

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2267.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.732	0.1000	53.4	50.0	6.8	20.0
1,2-Dichloropropane	Ave	1.601	1.562	0.1000	48.8	50.0	-2.4	20.0
1,4-Dioxane	Ave	0.0061	0.0062		1010	1000	1.3	50.0
Dibromomethane	Ave	0.8832	0.8794	0.1000	49.8	50.0	-0.4	20.0
Bromodichloromethane	Ave	2.008	2.054	0.2000	51.1	50.0	2.3	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.7219		122	50.0	144.0*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.393	0.2000	51.4	50.0	2.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8485	0.1000	256	250	2.4	20.0
Toluene	Ave	1.776	1.641	0.4000	46.2	50.0	-7.6	20.0
Ethyl methacrylate	Ave	0.7749	0.8052		52.0	50.0	3.9	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.069	0.1000	52.4	50.0	4.9	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4816	0.1000	49.5	50.0	-1.1	20.0
Tetrachloroethene	Ave	0.6818	0.6964	0.2000	51.1	50.0	2.1	20.0
2-Hexanone	Ave	0.5703	0.5838	0.1000	256	250	2.4	20.0
1,3-Dichloropropane	Ave	0.9875	0.9692		49.1	50.0	-1.9	20.0
Dibromochloromethane	Ave	0.6656	0.7218	0.1000	54.2	50.0	8.4	20.0
1,2-Dibromoethane	Ave	0.6363	0.6300		49.5	50.0	-1.0	20.0
Chlorobenzene	Ave	1.935	1.936	0.5000	50.0	50.0	0.0	20.0
Ethylbenzene	Ave	3.077	3.168	0.1000	51.5	50.0	2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6745		51.4	50.0	2.7	20.0
m,p-Xylene	Ave	1.304	1.324	0.1000	50.7	50.0	1.5	20.0
o-Xylene	Ave	1.313	1.305	0.3000	49.7	50.0	-0.6	20.0
Styrene	Ave	2.033	2.034	0.3000	50.0	50.0	0.0	20.0
Bromoform	Ave	0.4187	0.4565	0.1000	54.5	50.0	9.0	50.0
Isopropylbenzene	Ave	3.544	3.823	0.1000	53.9	50.0	7.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8468	0.3000	50.5	50.0	1.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3646		55.0	50.0	9.9	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2363		47.8	50.0	-4.4	20.0
Bromobenzene	Ave	0.8785	0.8465		48.2	50.0	-3.6	20.0
N-Propylbenzene	Ave	3.907	4.154		53.2	50.0	6.3	20.0
2-Chlorotoluene	Ave	0.7886	0.7860		49.8	50.0	-0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.104		52.0	50.0	4.0	20.0
4-Chlorotoluene	Ave	0.8449	0.8628		51.1	50.0	2.1	20.0
tert-Butylbenzene	Ave	0.6316	0.6619		52.4	50.0	4.8	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.331		52.6	50.0	5.2	20.0
sec-Butylbenzene	Ave	3.900	4.276		54.8	50.0	9.6	20.0
4-Isopropyltoluene	Ave	3.235	3.484		53.8	50.0	7.7	20.0
1,3-Dichlorobenzene	Ave	1.685	1.686	0.6000	50.0	50.0	0.0	20.0
1,4-Dichlorobenzene	Ave	1.631	1.606	0.5000	49.2	50.0	-1.5	20.0
n-Butylbenzene	Ave	3.083	3.382		54.8	50.0	9.7	20.0
1,2-Dichlorobenzene	Ave	1.684	1.681	0.4000	49.9	50.0	-0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279321/3 Calibration Date: 12/11/2015 11:50

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2267.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1907	0.0500	52.0	50.0	4.0	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.254	0.2000	53.0	50.0	5.9	20.0
Hexachlorobutadiene	Ave	1.314	1.417		53.9	50.0	7.9	20.0
Naphthalene	Ave	4.812	5.056		52.5	50.0	5.1	20.0
1,2,3-Trichlorobenzene	Ave	1.970	2.056		52.2	50.0	4.4	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.360		53.2	50.0	6.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8246		53.4	50.0	6.7	20.0
Toluene-d8 (Surr)	Ave	2.187	2.266		51.8	50.0	3.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7627		50.1	50.0	0.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2267.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Dec-2015 11:50:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049158-003
Operator ID: CDC Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 13:56:39 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 13:56:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	285590	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.836	13.836	0.000	89	585389	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	96	541193	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	92	388334	50.0	53.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	235503	50.0	53.4	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1326387	50.0	51.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	446486	50.0	50.1	
10 Dichlorodifluoromethane	85	4.036	4.036	0.000	99	480311	50.0	52.9	
11 Chloromethane	50	4.340	4.340	0.000	99	410180	50.0	50.5	
17 Vinyl chloride	62	4.577	4.577	0.000	98	339763	50.0	52.8	
149 Butadiene	54	4.595	4.595	0.000	96	331798	50.0	56.1	
12 Bromomethane	94	5.125	5.125	0.000	95	182881	50.0	49.4	
13 Chloroethane	64	5.252	5.252	0.000	95	208755	50.0	51.4	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	723178	50.0	51.3	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	99	714172	50.0	62.6	
20 Ethyl ether	59	5.958	5.958	0.000	98	396808	50.0	49.1	
22 Acrolein	56	6.220	6.220	0.000	98	416108	250.0	239.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	503815	50.0	52.9	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	93	476129	50.0	50.0	
24 Acetone	43	6.396	6.396	0.000	98	831527	250.0	254.1	
18 Iodomethane	142	6.627	6.627	0.000	99	736085	50.0	50.6	
30 Methyl acetate	43	6.767	6.767	0.000	100	1810093	250.0	241.4	
27 Carbon disulfide	76	6.779	6.779	0.000	99	1553502	50.0	52.6	
28 3-Chloro-1-propene	41	6.804	6.804	0.000	89	820328	50.0	52.0	
31 Methylene Chloride	84	6.986	6.986	0.000	94	448727	50.0	54.1	
33 2-Methyl-2-propanol	59	7.004	7.004	0.000	99	560160	500.0	526.7	
32 Methyl tert-butyl ether	73	7.223	7.223	0.000	99	1248855	50.0	49.1	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1667065	500.0	486.0	
35 trans-1,2-Dichloroethene	96	7.296	7.296	0.000	92	397580	50.0	49.4	
36 Hexane	57	7.534	7.534	0.000	95	774846	50.0	49.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2131863	100.0	110.5	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	887841	50.0	49.7	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1210263	250.0	250.7	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	88	426481	50.0	48.9	
45 2,2-Dichloropropane	77	8.531	8.531	0.000	90	672344	50.0	55.0	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	203919	50.0	48.9	
51 Tetrahydrofuran	42	8.872	8.872	0.000	92	301222	100.0	95.8	
49 Chloroform	83	8.878	8.878	0.000	96	769762	50.0	50.0	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	583127	50.0	57.0	
54 Cyclohexane	56	9.213	9.213	0.000	95	949980	50.0	52.1	
53 Isobutyl alcohol	43	9.292	9.292	0.000	95	612693	1250.0	1323.0	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	91	590851	50.0	52.4	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	660572	50.0	58.0	
57 Benzene	78	9.596	9.596	0.000	98	1578348	50.0	50.1	
60 1,2-Dichloroethane	62	9.620	9.620	0.000	97	693218	50.0	48.8	
59 n-Heptane	43	9.712	9.712	0.000	97	871605	50.0	52.3	
62 Trichloroethene	95	10.350	10.350	0.000	94	426306	50.0	50.0	
64 Methylcyclohexane	83	10.582	10.582	0.000	98	780149	50.0	53.4	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	91	445960	50.0	48.8	
68 1,4-Dioxane	88	10.782	10.782	0.000	96	72838	1000.0	1012.8	
69 Dibromomethane	93	10.849	10.849	0.000	96	251142	50.0	49.8	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	586519	50.0	51.1	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	91	206170	50.0	122.0	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	683463	50.0	51.4	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2483357	250.0	256.1	
76 Toluene	92	11.969	11.969	0.000	98	960414	50.0	46.2	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	471335	50.0	52.0	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	95	625828	50.0	52.4	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	281901	50.0	49.5	
80 Tetrachloroethene	166	12.717	12.717	0.000	91	407666	50.0	51.1	
83 2-Hexanone	43	12.723	12.723	0.000	99	1708720	250.0	255.9	
82 1,3-Dichloropropane	76	12.753	12.753	0.000	98	567340	50.0	49.1	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	422536	50.0	54.2	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	368763	50.0	49.5	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1133363	50.0	50.0	
89 Ethylbenzene	91	13.946	13.946	0.000	98	1854386	50.0	51.5	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	92	394823	50.0	51.4	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	775003	50.0	50.7	
93 o-Xylene	106	14.633	14.633	0.000	95	764211	50.0	49.7	
94 Styrene	104	14.651	14.651	0.000	95	1190443	50.0	50.0	
92 Bromoform	173	15.010	15.010	0.000	95	267217	50.0	54.5	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	2069147	50.0	53.9	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	458292	50.0	50.5	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	79	197343	50.0	55.0	
100 Bromobenzene	156	15.594	15.594	0.000	95	458119	50.0	48.2	
101 1,2,3-Trichloropropane	110	15.594	15.594	0.000	70	127907	50.0	47.8	
99 N-Propylbenzene	91	15.607	15.607	0.000	100	2248255	50.0	53.2	
103 2-Chlorotoluene	126	15.795	15.795	0.000	94	425355	50.0	49.8	
102 1,3,5-Trimethylbenzene	105	15.801	15.801	0.000	93	1679732	50.0	52.0	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	466929	50.0	51.1	
106 tert-Butylbenzene	134	16.239	16.239	0.000	94	358191	50.0	52.4	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1802465	50.0	52.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2314020	50.0	54.8	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1885341	50.0	53.8	
110 1,3-Dichlorobenzene	146	16.750	16.750	0.000	96	912380	50.0	50.0	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	869117	50.0	49.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1830446	50.0	54.8	
116 1,2-Dichlorobenzene	146	17.347	17.347	0.000	95	909735	50.0	49.9	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	79	103184	50.0	52.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	678793	50.0	53.0	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	404752	50.0	53.9	
121 Naphthalene	128	19.810	19.810	0.000	98	1443894	50.0	52.5	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	94	587130	50.0	52.2	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00125	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

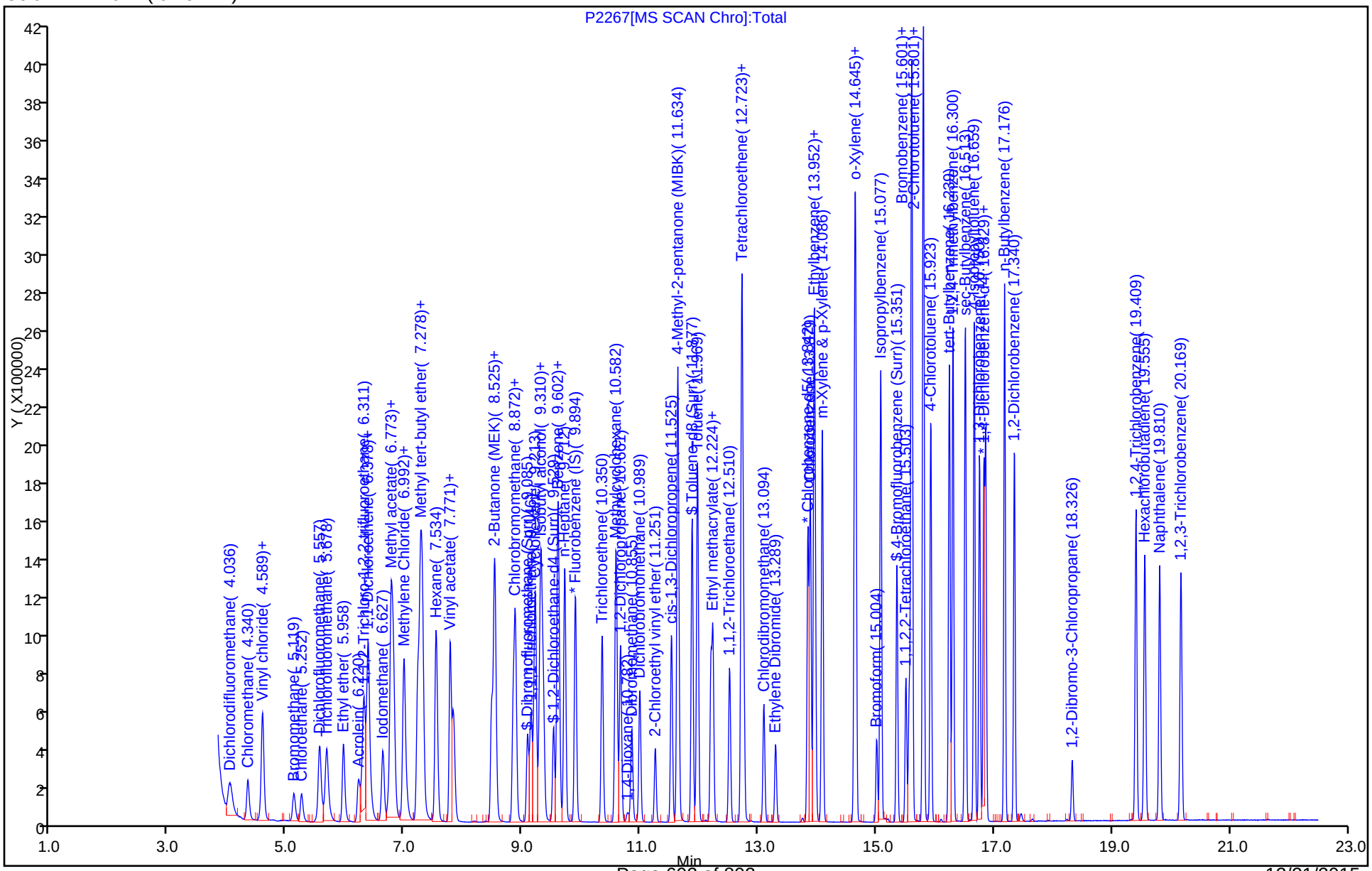
Report Date: 11-Dec-2015 13:56:41 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2267.D

Injection Date:	11-Dec-2015 11:50:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279446/3 Calibration Date: 12/12/2015 07:42

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2289.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.857	0.1000	58.4	50.0	16.8	50.0
Chloromethane	Ave	1.423	1.606	0.1000	56.4	50.0	12.8	20.0
Vinyl chloride	Ave	1.126	1.277	0.1000	56.7	50.0	13.4	20.0
Butadiene	Ave	1.035	1.275		61.6	50.0	23.2*	20.0
Bromomethane	Ave	0.6478	0.7325	0.1000	56.5	50.0	13.1	50.0
Chloroethane	Ave	0.7111	0.7510	0.1000	52.8	50.0	5.6	50.0
Dichlorofluoromethane	Ave	2.470	2.545		51.5	50.0	3.0	20.0
Trichlorofluoromethane	Ave	1.997	2.349	0.1000	58.8	50.0	17.6	20.0
Ethyl ether	Ave	1.416	1.410		49.8	50.0	-0.4	20.0
Acrolein	Ave	0.3039	0.2961		244	250	-2.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.641	0.1000	49.2	50.0	-1.5	20.0
1,1-Dichloroethene	Ave	1.668	1.560	0.1000	46.8	50.0	-6.4	20.0
Acetone	Ave	0.5730	0.5798	0.1000	253	250	1.2	50.0
Iodomethane	Ave	2.547	2.492		48.9	50.0	-2.2	20.0
Methyl acetate	Ave	1.313	1.273	0.1000	242	250	-3.0	50.0
Carbon disulfide	Ave	5.168	5.164	0.1000	50.0	50.0	-0.0	20.0
Allyl chloride	Ave	2.761	2.776		50.3	50.0	0.5	20.0
Methylene Chloride	Lin1		1.525	0.1000	52.5	50.0	4.9	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1925		517	500	3.4	50.0
Methyl tert-butyl ether	Ave	4.451	4.387	0.1000	49.3	50.0	-1.4	20.0
Acrylonitrile	Ave	0.6006	0.5888		490	500	-2.0	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.341	0.1000	47.6	50.0	-4.8	20.0
Hexane	Ave	2.756	2.595		47.1	50.0	-5.8	20.0
Vinyl acetate	Ave	3.377	3.710		110	100	9.9	20.0
1,1-Dichloroethane	Ave	3.128	3.001	0.2000	48.0	50.0	-4.1	20.0
2-Butanone (MEK)	Ave	0.8452	0.8549	0.1000	253	250	1.2	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.444	0.1000	47.3	50.0	-5.4	20.0
2,2-Dichloropropane	Ave	2.140	2.176		50.9	50.0	1.7	20.0
Chlorobromomethane	Ave	0.7304	0.6993		47.9	50.0	-4.3	20.0
Tetrahydrofuran	Ave	0.5503	0.5364		97.5	100	-2.5	20.0
Chloroform	Ave	2.693	2.556	0.2000	47.5	50.0	-5.1	20.0
1,1,1-Trichloroethane	Ave	1.791	1.896	0.1000	52.9	50.0	5.9	20.0
Cyclohexane	Ave	3.194	3.204	0.1000	50.2	50.0	0.3	20.0
Isobutyl alcohol	Ave	0.0811	0.0820		1260	1250	1.1	50.0
1,1-Dichloropropene	Ave	1.976	1.948		49.3	50.0	-1.4	20.0
Carbon tetrachloride	Ave	1.996	2.110	0.1000	52.9	50.0	5.7	20.0
Benzene	Ave	5.514	5.299	0.5000	48.1	50.0	-3.9	20.0
1,2-Dichloroethane	Ave	2.489	2.312	0.1000	46.4	50.0	-7.1	20.0
n-Heptane	Ave	2.915	2.892		49.6	50.0	-0.8	20.0
Trichloroethene	Ave	1.493	1.403	0.2000	47.0	50.0	-6.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279446/3 Calibration Date: 12/12/2015 07:42

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2289.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.597	0.1000	50.8	50.0	1.5	20.0
1,2-Dichloropropane	Ave	1.601	1.521	0.1000	47.5	50.0	-5.0	20.0
1,4-Dioxane	Ave	0.0061	0.0061		987	1000	-1.3	50.0
Dibromomethane	Ave	0.8832	0.8525	0.1000	48.3	50.0	-3.5	20.0
Bromodichloromethane	Ave	2.008	1.965	0.2000	48.9	50.0	-2.2	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6861		116	50.0	131.9*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.328	0.2000	50.0	50.0	0.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8653	0.1000	261	250	4.5	20.0
Toluene	Ave	1.776	1.631	0.4000	45.9	50.0	-8.1	20.0
Ethyl methacrylate	Ave	0.7749	0.8175		52.7	50.0	5.5	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.067	0.1000	52.3	50.0	4.7	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4872	0.1000	50.0	50.0	0.1	20.0
Tetrachloroethene	Ave	0.6818	0.6671	0.2000	48.9	50.0	-2.2	20.0
2-Hexanone	Ave	0.5703	0.5917	0.1000	259	250	3.8	20.0
1,3-Dichloropropane	Ave	0.9875	0.9646		48.8	50.0	-2.3	20.0
Dibromochloromethane	Ave	0.6656	0.7028	0.1000	52.8	50.0	5.6	20.0
1,2-Dibromoethane	Ave	0.6363	0.6303		49.5	50.0	-1.0	20.0
Chlorobenzene	Ave	1.935	1.878	0.5000	48.5	50.0	-2.9	20.0
Ethylbenzene	Ave	3.077	3.049	0.1000	49.5	50.0	-0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6595		50.2	50.0	0.4	20.0
m,p-Xylene	Ave	1.304	1.277	0.1000	49.0	50.0	-2.1	20.0
o-Xylene	Ave	1.313	1.287	0.3000	49.0	50.0	-2.0	20.0
Styrene	Ave	2.033	2.038	0.3000	50.1	50.0	0.3	20.0
Bromoform	Ave	0.4187	0.4497	0.1000	53.7	50.0	7.4	50.0
Isopropylbenzene	Ave	3.544	3.641	0.1000	51.4	50.0	2.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8489	0.3000	50.6	50.0	1.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3500		52.7	50.0	5.5	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2369		47.9	50.0	-4.1	20.0
Bromobenzene	Ave	0.8785	0.8340		47.5	50.0	-5.1	20.0
N-Propylbenzene	Ave	3.907	3.942		50.4	50.0	0.9	20.0
2-Chlorotoluene	Ave	0.7886	0.7703		48.8	50.0	-2.3	20.0
1,3,5-Trimethylbenzene	Ave	2.985	2.983		50.0	50.0	-0.0	20.0
4-Chlorotoluene	Ave	0.8449	0.8356		49.4	50.0	-1.1	20.0
tert-Butylbenzene	Ave	0.6316	0.6334		50.1	50.0	0.3	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.200		50.5	50.0	1.1	20.0
sec-Butylbenzene	Ave	3.900	4.057		52.0	50.0	4.0	20.0
4-Isopropyltoluene	Ave	3.235	3.323		51.4	50.0	2.7	20.0
1,3-Dichlorobenzene	Ave	1.685	1.642	0.6000	48.7	50.0	-2.5	20.0
1,4-Dichlorobenzene	Ave	1.631	1.553	0.5000	47.6	50.0	-4.8	20.0
n-Butylbenzene	Ave	3.083	3.218		52.2	50.0	4.4	20.0
1,2-Dichlorobenzene	Ave	1.684	1.654	0.4000	49.1	50.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-279446/3 Calibration Date: 12/12/2015 07:42

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2289.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1841	0.0500	50.2	50.0	0.4	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.220	0.2000	51.5	50.0	3.0	20.0
Hexachlorobutadiene	Ave	1.314	1.317		50.1	50.0	0.3	20.0
Naphthalene	Ave	4.812	4.945		51.4	50.0	2.7	20.0
1,2,3-Trichlorobenzene	Ave	1.970	1.990		50.5	50.0	1.1	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.308		51.1	50.0	2.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.7947		51.4	50.0	2.8	20.0
Toluene-d8 (Surr)	Ave	2.187	2.262		51.7	50.0	3.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7638		50.1	50.0	0.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2289.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Dec-2015 07:42:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049177-003
Operator ID: CDC Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 08:30:18 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 08:30:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	311254	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.837	13.837	0.000	89	628331	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	582183	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	93	407201	50.0	51.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	247360	50.0	51.4	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1421080	50.0	51.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	479917	50.0	50.1	
10 Dichlorodifluoromethane	85	4.036	4.036	0.000	98	578040	50.0	58.4	
11 Chloromethane	50	4.340	4.340	0.000	99	499736	50.0	56.4	
17 Vinyl chloride	62	4.571	4.571	0.000	98	397491	50.0	56.7	
149 Butadiene	54	4.590	4.590	0.000	97	396914	50.0	61.6	
12 Bromomethane	94	5.119	5.119	0.000	93	227984	50.0	56.5	
13 Chloroethane	64	5.253	5.253	0.000	96	233739	50.0	52.8	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	792098	50.0	51.5	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	99	731002	50.0	58.8	
20 Ethyl ether	59	5.958	5.958	0.000	98	438917	50.0	49.8	
22 Acrolein	56	6.214	6.214	0.000	98	460828	250.0	243.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	510808	50.0	49.2	
25 1,1-Dichloroethene	96	6.372	6.372	0.000	93	485696	50.0	46.8	
24 Acetone	43	6.390	6.390	0.000	98	902394	250.0	253.0	
18 Iodomethane	142	6.628	6.628	0.000	99	775530	50.0	48.9	
30 Methyl acetate	43	6.761	6.761	0.000	100	1980911	250.0	242.4	
27 Carbon disulfide	76	6.774	6.774	0.000	99	1607456	50.0	50.0	
28 3-Chloro-1-propene	41	6.804	6.804	0.000	90	863916	50.0	50.3	
31 Methylene Chloride	84	6.980	6.980	0.000	94	474775	50.0	52.5	
33 2-Methyl-2-propanol	59	7.005	7.005	0.000	98	599104	500.0	516.8	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1365622	50.0	49.3	
34 Acrylonitrile	53	7.272	7.272	0.000	97	1832755	500.0	490.2	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	417252	50.0	47.6	
36 Hexane	57	7.534	7.534	0.000	95	807813	50.0	47.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2309309	100.0	109.9	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	933949	50.0	48.0	
44 2-Butanone (MEK)	43	8.471	8.471	0.000	98	1330459	250.0	252.9	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	87	449588	50.0	47.3	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	90	677336	50.0	50.9	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	217658	50.0	47.9	
51 Tetrahydrofuran	42	8.866	8.866	0.000	92	333925	100.0	97.5	
49 Chloroform	83	8.878	8.878	0.000	96	795484	50.0	47.5	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	97	590145	50.0	52.9	
54 Cyclohexane	56	9.213	9.213	0.000	95	997255	50.0	50.2	
53 Isobutyl alcohol	43	9.286	9.286	0.000	97	637981	1250.0	1264.1	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	90	606203	50.0	49.3	
55 Carbon tetrachloride	117	9.347	9.347	0.000	96	656672	50.0	52.9	
57 Benzene	78	9.596	9.596	0.000	98	1649419	50.0	48.1	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	96	719681	50.0	46.4	
59 n-Heptane	43	9.712	9.712	0.000	97	900107	50.0	49.6	
62 Trichloroethene	95	10.351	10.351	0.000	94	436725	50.0	47.0	
64 Methylcyclohexane	83	10.582	10.582	0.000	98	808194	50.0	50.8	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	92	473376	50.0	47.5	
68 1,4-Dioxane	88	10.777	10.777	0.000	96	76212	1000.0	987.2	
69 Dibromomethane	93	10.850	10.850	0.000	96	265350	50.0	48.3	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	611478	50.0	48.9	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	213543	50.0	115.9	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	724645	50.0	50.0	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2718582	250.0	261.2	
76 Toluene	92	11.969	11.969	0.000	98	1024995	50.0	45.9	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	513633	50.0	52.7	
78 trans-1,3-Dichloropropene	75	12.231	12.231	0.000	98	670497	50.0	52.3	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	306119	50.0	50.0	
80 Tetrachloroethene	166	12.711	12.711	0.000	92	419133	50.0	48.9	
83 2-Hexanone	43	12.723	12.723	0.000	99	1858751	250.0	259.4	
82 1,3-Dichloropropane	76	12.748	12.748	0.000	98	606065	50.0	48.8	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	441619	50.0	52.8	
85 Ethylene Dibromide	107	13.289	13.289	0.000	98	396016	50.0	49.5	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1180226	50.0	48.5	
89 Ethylbenzene	91	13.946	13.946	0.000	98	1915670	50.0	49.5	
88 1,1,1,2-Tetrachloroethane	131	13.958	13.958	0.000	93	414406	50.0	50.2	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	802555	50.0	49.0	
93 o-Xylene	106	14.634	14.634	0.000	97	808700	50.0	49.0	
94 Styrene	104	14.652	14.652	0.000	95	1280494	50.0	50.1	
92 Bromoform	173	15.011	15.011	0.000	96	282561	50.0	53.7	
95 Isopropylbenzene	105	15.078	15.078	0.000	96	2119858	50.0	51.4	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	494223	50.0	50.6	
98 trans-1,4-Dichloro-2-buten	53	15.552	15.552	0.000	82	203747	50.0	52.7	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	71	137905	50.0	47.9	
100 Bromobenzene	156	15.595	15.595	0.000	94	485524	50.0	47.5	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2295101	50.0	50.4	
103 2-Chlorotoluene	126	15.795	15.795	0.000	94	448473	50.0	48.8	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	1736624	50.0	50.0	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	486472	50.0	49.4	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	368723	50.0	50.1	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1863179	50.0	50.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.507	16.507	0.000	95	2361785	50.0	52.0	
112 4-Isopropyltoluene	119	16.659	16.659	0.000	97	1934485	50.0	51.4	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	956122	50.0	48.7	
111 1,4-Dichlorobenzene	146	16.854	16.854	0.000	94	903968	50.0	47.6	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1873284	50.0	52.2	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	963194	50.0	49.1	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.320	0.000	83	107157	50.0	50.2	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	709974	50.0	51.5	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	410020	50.0	50.1	
121 Naphthalene	128	19.811	19.811	0.000	98	1539017	50.0	51.4	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	95	619501	50.0	50.5	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00125	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

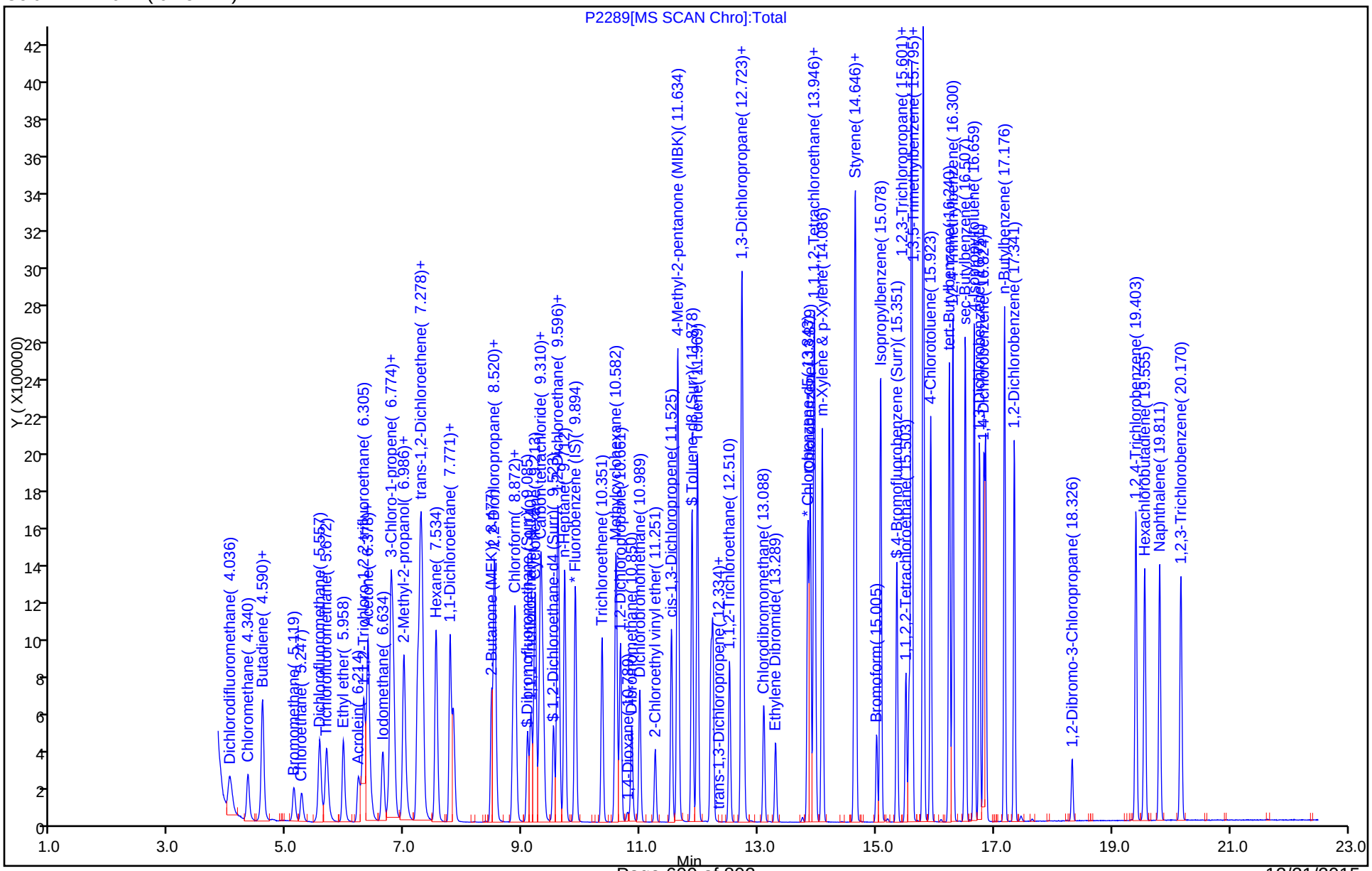
Report Date: 12-Dec-2015 08:30:21 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2289.D

Injection Date:	12-Dec-2015 07:42:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-280176/3 Calibration Date: 12/16/2015 21:40

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6160.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	0.9326	0.1000	18.1	25.0	-27.5	50.0
Chloromethane	Ave	2.470	1.637	0.1000	16.6	25.0	-33.7*	20.0
Vinyl chloride	Ave	1.328	0.9166	0.1000	17.2	25.0	-31.0*	20.0
Butadiene	Ave	1.607	1.288		20.0	25.0	-19.8	20.0
Bromomethane	Ave	0.4062	0.3571	0.1000	22.0	25.0	-12.1	50.0
Chloroethane	Lin1		0.4627	0.1000	20.6	25.0	-17.4	50.0
Dichlorofluoromethane	Ave	1.417	1.200		21.2	25.0	-15.4	20.0
Trichlorofluoromethane	Ave	1.194	1.262	0.1000	26.4	25.0	5.8	20.0
Ethyl ether	Ave	1.443	1.343		23.3	25.0	-6.9	20.0
Acrolein	Ave	0.2790	0.2749		123	125	-1.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.011	0.1000	25.4	25.0	1.8	20.0
1,1-Dichloroethene	Ave	1.124	0.9619	0.1000	21.4	25.0	-14.4	20.0
Acetone	Ave	0.4654	0.5598	0.1000	150	125	20.3	50.0
Iodomethane	Ave	1.261	1.431		28.4	25.0	13.5	20.0
Carbon disulfide	Ave	3.229	2.817	0.1000	21.8	25.0	-12.8	20.0
Allyl chloride	Ave	2.327	2.617		28.1	25.0	12.4	20.0
Methyl acetate	Ave	1.200	1.297	0.1000	135	125	8.1	50.0
Methylene Chloride	Lin1		1.048	0.1000	22.5	25.0	-10.1	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1461		295	250	17.8	50.0
Methyl tert-butyl ether	Ave	3.264	2.973	0.1000	22.8	25.0	-8.9	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.056	0.1000	22.7	25.0	-9.0	20.0
Acrylonitrile	Ave	0.6438	0.6870		267	250	6.7	20.0
Hexane	Ave	2.616	2.677		25.6	25.0	2.3	20.0
1,1-Dichloroethane	Ave	2.524	2.312	0.2000	22.9	25.0	-8.4	20.0
Vinyl acetate	Ave	3.140	3.520		56.1	50.0	12.1	20.0
2,2-Dichloropropane	Ave	0.8974	1.062		29.6	25.0	18.3	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.129	0.1000	22.2	25.0	-11.2	20.0
2-Butanone (MEK)	Ave	0.7376	0.8179	0.1000	139	125	10.9	20.0
Chlorobromomethane	Ave	0.6585	0.5216		19.8	25.0	-20.8*	20.0
Tetrahydrofuran	Ave	0.5552	0.5416		48.8	50.0	-2.5	20.0
Chloroform	Ave	1.940	1.786	0.2000	23.0	25.0	-8.0	20.0
1,1,1-Trichloroethane	Ave	1.393	1.485	0.1000	26.6	25.0	6.6	20.0
Cyclohexane	Ave	3.002	3.040	0.1000	25.3	25.0	1.3	20.0
Carbon tetrachloride	Ave	1.292	1.276	0.1000	24.7	25.0	-1.2	20.0
1,1-Dichloropropene	Ave	1.579	1.531		24.2	25.0	-3.0	20.0
Isobutyl alcohol	Ave	0.0626	0.0798		796	625	27.4	50.0
Benzene	Ave	4.495	4.271	0.5000	23.8	25.0	-5.0	20.0
1,2-Dichloroethane	Ave	2.039	1.803	0.1000	22.1	25.0	-11.6	20.0
n-Heptane	Ave	2.713	2.975		27.4	25.0	9.7	20.0
Trichloroethene	Ave	1.185	1.113	0.2000	23.5	25.0	-6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-280176/3 Calibration Date: 12/16/2015 21:40

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6160.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.039	0.1000	25.4	25.0	1.4	20.0
1,2-Dichloropropane	Ave	1.396	1.283	0.1000	23.0	25.0	-8.1	20.0
Dibromomethane	Ave	0.6442	0.6136	0.1000	23.8	25.0	-4.7	20.0
1,4-Dioxane	Ave	0.0052	0.0064		611	500	22.2	50.0
Bromodichloromethane	Ave	1.236	1.226	0.2000	24.8	25.0	-0.8	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7962		21.7	25.0	-13.3	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.626	0.2000	23.2	25.0	-7.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.8038	0.1000	146	125	17.1	20.0
Toluene	Ave	1.356	1.380	0.4000	25.5	25.0	1.8	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.7327	0.1000	26.3	25.0	5.3	20.0
Ethyl methacrylate	Ave	0.5638	0.6367		28.2	25.0	12.9	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3718	0.1000	24.8	25.0	-0.9	20.0
Tetrachloroethene	Ave	0.6533	0.6308	0.2000	24.1	25.0	-3.4	20.0
1,3-Dichloropropane	Ave	0.8099	0.8177		25.2	25.0	1.0	20.0
2-Hexanone	Ave	0.4654	0.5870	0.1000	158	125	26.1*	20.0
Dibromochloromethane	Ave	0.4073	0.3917	0.1000	24.0	25.0	-3.8	20.0
1,2-Dibromoethane	Ave	0.4436	0.4503		25.4	25.0	1.5	20.0
Chlorobenzene	Ave	1.582	1.505	0.5000	23.8	25.0	-4.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4799		24.9	25.0	-0.5	20.0
Ethylbenzene	Ave	2.456	2.585	0.1000	26.3	25.0	5.2	20.0
m,p-Xylene	Ave	1.042	1.022	0.1000	24.5	25.0	-1.9	20.0
o-Xylene	Ave	1.016	1.003	0.3000	24.7	25.0	-1.3	20.0
Styrene	Ave	1.635	1.647	0.3000	25.2	25.0	0.7	20.0
Bromoform	Ave	0.1896	0.2031	0.1000	26.8	25.0	7.1	50.0
Isopropylbenzene	Ave	2.403	2.744	0.1000	28.6	25.0	14.2	20.0
Bromobenzene	Ave	0.6782	0.6782		25.0	25.0	0.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.6182	0.3000	29.1	25.0	16.3	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.2140		28.6	25.0	14.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2473		25.4	25.0	1.5	50.0
N-Propylbenzene	Ave	2.734	3.277		30.0	25.0	19.9	20.0
2-Chlorotoluene	Ave	0.6001	0.6353		26.5	25.0	5.9	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.343		28.4	25.0	13.8	20.0
4-Chlorotoluene	Ave	0.6495	0.6885		26.5	25.0	6.0	20.0
tert-Butylbenzene	Ave	0.4873	0.5560		28.5	25.0	14.1	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.435		28.9	25.0	15.7	20.0
sec-Butylbenzene	Ave	2.577	3.091		30.0	25.0	20.0	20.0
1,3-Dichlorobenzene	Ave	1.305	1.339	0.6000	25.7	25.0	2.6	20.0
4-Isopropyltoluene	Ave	2.388	2.602		27.2	25.0	9.0	20.0
1,4-Dichlorobenzene	Ave	1.323	1.377	0.5000	26.0	25.0	4.1	20.0
n-Butylbenzene	Ave	1.918	2.382		31.0	25.0	24.2*	20.0
1,2-Dichlorobenzene	Ave	1.266	1.292	0.4000	25.5	25.0	2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Lab Sample ID: CCVIS 480-280176/3 Calibration Date: 12/16/2015 21:40

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6160.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.1013	0.0500	31.6	25.0	26.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.9592	0.2000	25.8	25.0	3.2	20.0
Hexachlorobutadiene	Ave	0.4129	0.4568		27.7	25.0	10.6	20.0
Naphthalene	Ave	2.162	2.164		25.0	25.0	0.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8749		25.0	25.0	0.1	20.0
Dibromofluoromethane (Surr)	Ave	1.133	1.006		24.1	27.2	-11.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7073		24.8	27.2	-8.8	20.0
Toluene-d8 (Surr)	Ave	2.204	2.141		26.4	27.2	-2.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6741		25.9	27.2	-4.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6160.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Dec-2015 21:40:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0049315-003
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 22:19:16 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: fortaing Date: 16-Dec-2015 22:19:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	114548	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	228924	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	71	215393	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	49	125291	27.2	24.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.118	5.118	0.000	0	88069	27.2	24.8	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	84	532759	27.2	26.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	167736	27.2	25.9	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	85	106823	25.0	18.1	
12 Chloromethane	50	1.407	1.407	0.000	88	187541	25.0	16.6	
13 Vinyl chloride	62	1.510	1.510	0.000	83	104994	25.0	17.2	
151 Butadiene	54	1.535	1.535	0.000	89	147565	25.0	20.0	
14 Bromomethane	94	1.821	1.821	0.000	88	40905	25.0	22.0	
15 Chloroethane	64	1.912	1.912	0.000	90	53001	25.0	20.6	
16 Dichlorofluoromethane	67	2.131	2.131	0.000	78	137407	25.0	21.2	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	82	144579	25.0	26.4	
18 Ethyl ether	59	2.423	2.423	0.000	96	153834	25.0	23.3	
20 Acrolein	56	2.581	2.581	0.000	96	157454	125.0	123.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.648	2.648	0.000	53	115821	25.0	25.4	
22 1,1-Dichloroethene	96	2.654	2.654	0.000	78	110182	25.0	21.4	
23 Acetone	43	2.739	2.739	0.000	99	320639	125.0	150.4	
25 Iodomethane	142	2.812	2.812	0.000	98	163938	25.0	28.4	
26 Carbon disulfide	76	2.849	2.849	0.000	98	322660	25.0	21.8	
28 3-Chloro-1-propene	41	3.001	3.001	0.000	86	299722	25.0	28.1	
27 Methyl acetate	43	3.044	3.044	0.000	97	743118	125.0	135.2	
30 Methylene Chloride	84	3.159	3.159	0.000	86	120022	25.0	22.5	
31 2-Methyl-2-propanol	59	3.299	3.299	0.000	95	167320	250.0	294.5	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	92	340530	25.0	22.8	
34 trans-1,2-Dichloroethene	96	3.378	3.378	0.000	86	120937	25.0	22.7	
33 Acrylonitrile	53	3.402	3.402	0.000	98	786954	250.0	266.8	
35 Hexane	57	3.597	3.597	0.000	94	306644	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.792	3.792	0.000	85	264857	25.0	22.9	
37 Vinyl acetate	43	3.847	3.847	0.000	97	806385	50.0	56.1	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	89	121628	25.0	29.6	
45 cis-1,2-Dichloroethene	96	4.345	4.345	0.000	74	129268	25.0	22.2	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	91	468436	125.0	138.6	
48 Chlorobromomethane	128	4.577	4.577	0.000	82	59745	25.0	19.8	
49 Tetrahydrofuran	42	4.607	4.607	0.000	92	124068	50.0	48.8	
50 Chloroform	83	4.656	4.656	0.000	83	204560	25.0	23.0	
51 1,1,1-Trichloroethane	97	4.783	4.783	0.000	90	170093	25.0	26.6	
52 Cyclohexane	56	4.808	4.808	0.000	92	348272	25.0	25.3	
55 Carbon tetrachloride	117	4.929	4.929	0.000	65	146211	25.0	24.7	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	175409	25.0	24.2	
53 Isobutyl alcohol	43	5.130	5.130	0.000	66	228482	625.0	796.3	
57 Benzene	78	5.136	5.136	0.000	94	489193	25.0	23.8	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	206525	25.0	22.1	
59 n-Heptane	43	5.343	5.343	0.000	96	340780	25.0	27.4	
62 Trichloroethene	95	5.751	5.751	0.000	90	127452	25.0	23.5	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	233565	25.0	25.4	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	88	147021	25.0	23.0	
67 Dibromomethane	93	6.110	6.110	0.000	87	70289	25.0	23.8	
66 1,4-Dioxane	88	6.116	6.116	0.000	54	29128	500.0	610.8	
68 Dichlorobromomethane	83	6.262	6.262	0.000	90	140432	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.548	6.548	0.000	87	91207	25.0	21.7	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	82	186227	25.0	23.2	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	920039	125.0	146.4	
74 Toluene	92	6.986	6.986	0.000	88	316026	25.0	25.5	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	92	167731	25.0	26.3	
75 Ethyl methacrylate	69	7.308	7.308	0.000	86	145749	25.0	28.2	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	90	85120	25.0	24.8	
81 Tetrachloroethene	166	7.521	7.521	0.000	91	144399	25.0	24.1	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	92	187188	25.0	25.2	
80 2-Hexanone	43	7.667	7.667	0.000	99	671915	125.0	157.7	
83 Chlorodibromomethane	129	7.831	7.831	0.000	87	89661	25.0	24.0	
84 Ethylene Dibromide	107	7.935	7.935	0.000	96	103090	25.0	25.4	
87 Chlorobenzene	112	8.428	8.428	0.000	91	344582	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	39	109859	25.0	24.9	
88 Ethylbenzene	91	8.525	8.525	0.000	98	591773	25.0	26.3	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	234024	25.0	24.5	
91 o-Xylene	106	9.072	9.072	0.000	97	229623	25.0	24.7	
92 Styrene	104	9.097	9.097	0.000	93	377086	25.0	25.2	
95 Bromoform	173	9.328	9.328	0.000	91	46489	25.0	26.8	
94 Isopropylbenzene	105	9.456	9.456	0.000	98	591055	25.0	28.6	
101 Bromobenzene	156	9.796	9.796	0.000	95	146073	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	9.839	9.839	0.000	79	133156	25.0	29.1	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	62	46084	25.0	28.6	
98 trans-1,4-Dichloro-2-buten	53	9.881	9.881	0.000	29	53273	25.0	25.4	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	705930	25.0	30.0	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	136846	25.0	26.5	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	94	504723	25.0	28.4	
105 4-Chlorotoluene	126	10.094	10.094	0.000	98	148298	25.0	26.5	
106 tert-Butylbenzene	134	10.380	10.380	0.000	92	119752	25.0	28.5	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	63	524491	25.0	28.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	665728	25.0	30.0	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	288475	25.0	25.7	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	94	560405	25.0	27.2	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	93	296625	25.0	26.0	
115 n-Butylbenzene	91	11.123	11.123	0.000	94	513082	25.0	31.0	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	90	278269	25.0	25.5	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	56	21808	25.0	31.6	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	93	206607	25.0	25.8	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	98400	25.0	27.7	
121 Naphthalene	128	12.771	12.771	0.000	97	466104	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	95	188451	25.0	25.0	

Reagents:

8260 CORP mix_00059	Amount Added: 12.50	Units: uL	
GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
S_8260_IS_00127	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00119	Amount Added: 1.00	Units: uL	Run Reagent

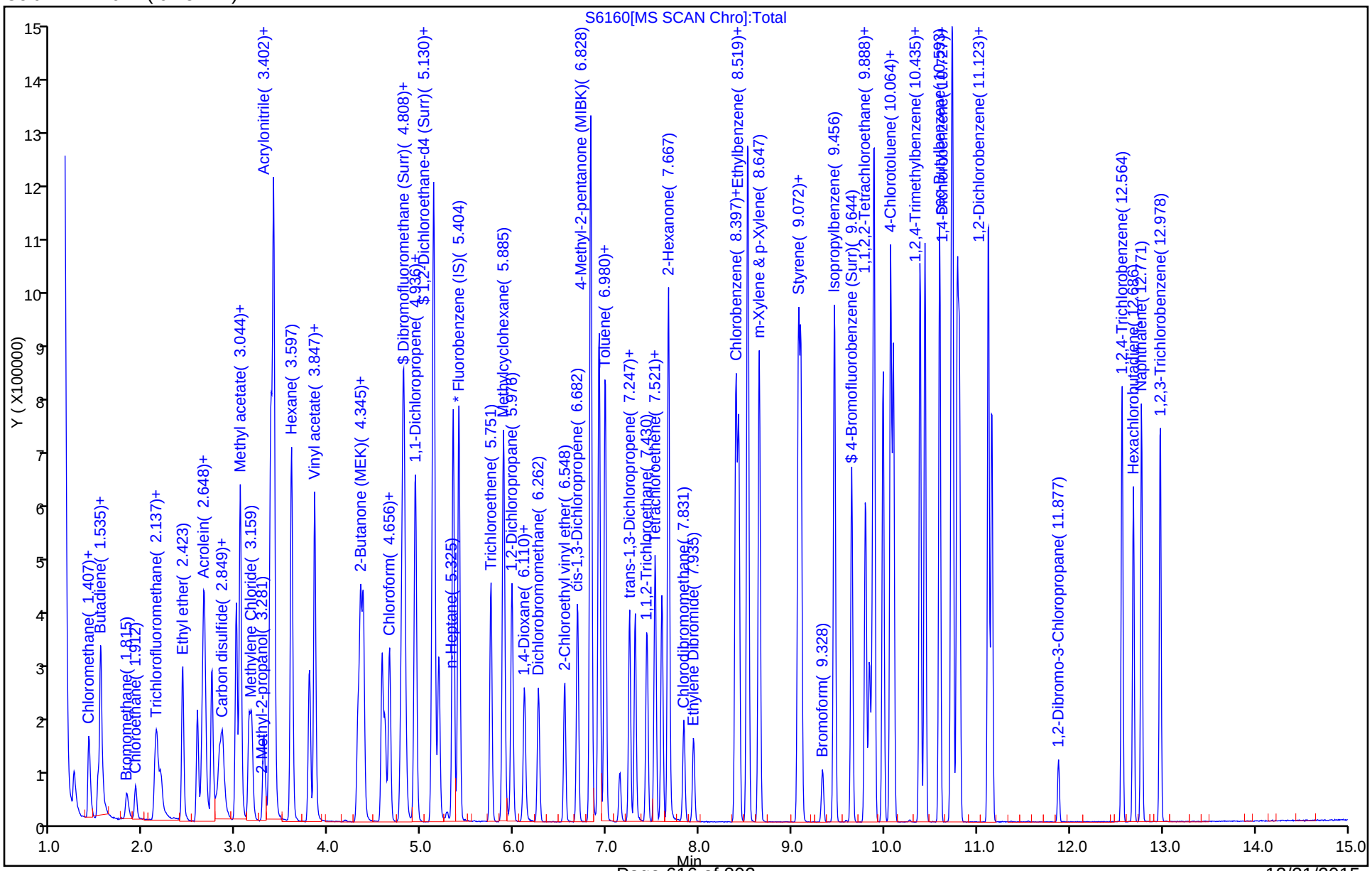
Report Date: 16-Dec-2015 22:19:17 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6160.D

Injection Date:	16-Dec-2015 21:40:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	11-Dec-2015 13:23:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049159-002				
Operator ID:	gtg	Instrument ID:	HP5973C		
Method:	\\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Dec-2015 11:36:07	Calib Date:	11-Dec-2015 22:23:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK012				
First Level Reviewer: goliszekg		Date:	11-Dec-2015 16:02:35		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.490	9.490	0.000	0	220977	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

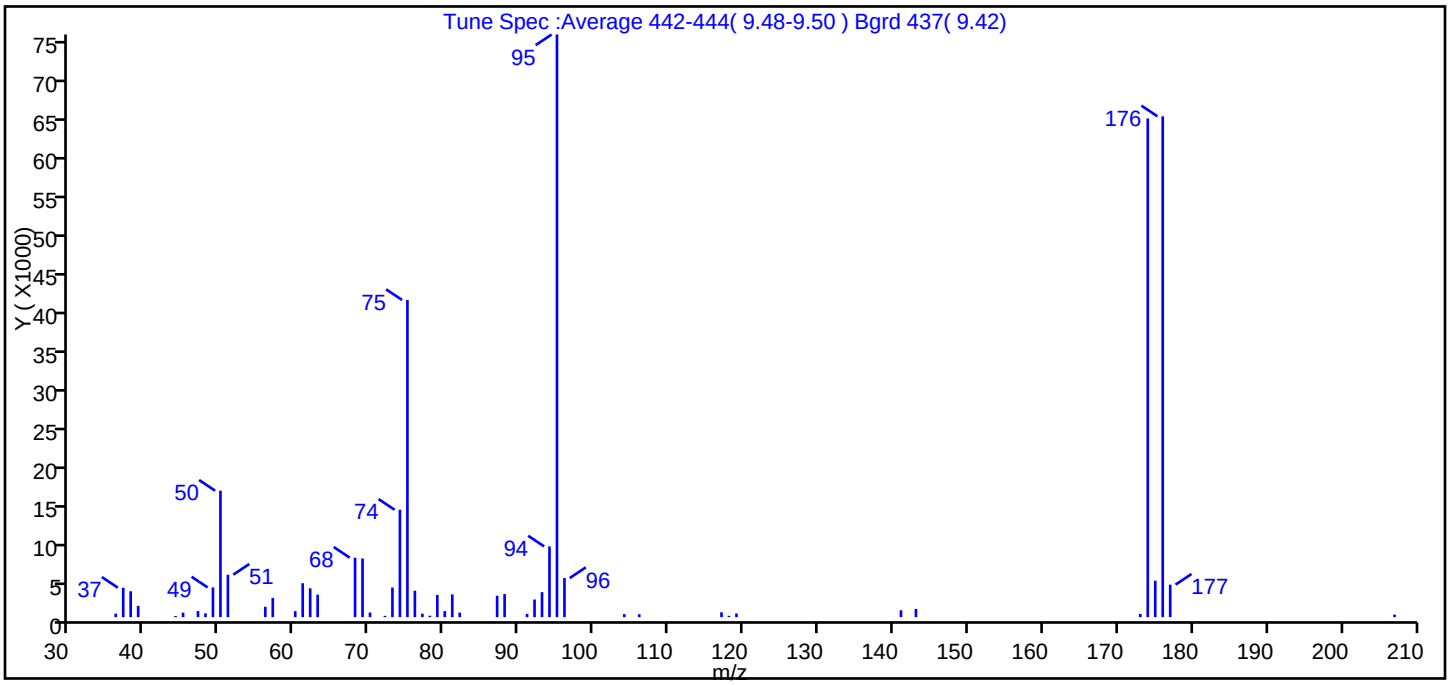
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D
Injection Date: 11-Dec-2015 13:23:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.7
75	30 to 60% of m/z 95	54.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	85.6
175	5 to 9% of m/z 174	6.3 (7.3)
176	Greater than 95% but less than 101% of m/z 174	86.0 (100.4)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D\C-8260.rslt\spectra.d
Injection Date: 11-Dec-2015 13:23:30
Spectrum: Tune Spec :Average 442-444(9.48-9.50) Bgrd 437(9.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	779	79.00	2898	117.00	629
37.00	3834	61.00	4420	80.00	791	118.00	173
38.00	3376	62.00	3756	81.00	2960	119.00	475
39.00	1473	63.00	2926	82.00	594	141.00	898
40.00	14	68.00	7749	87.00	2786	143.00	1068
44.00	152	69.00	7650	88.00	3002	173.00	421
45.00	586	70.00	601	91.00	423	174.00	64992
47.00	794	72.00	171	92.00	2296	175.00	4752
48.00	493	73.00	3864	93.00	3256	176.00	65272
49.00	3872	74.00	13995	94.00	9214	177.00	4234
50.00	16480	75.00	41336	95.00	75936	207.00	332
51.00	5531	76.00	3441	96.00	5097		
56.00	1356	77.00	450	104.00	394		
57.00	2498	78.00	184	106.00	380		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59690.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Dec-2015 09:32:30	ALS Bottle#:	29	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049281-001				
Operator ID:	gtg	Instrument ID:	HP5973C		
Method:	\\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	16-Dec-2015 09:42:32	Calib Date:	11-Dec-2015 22:23:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK007				
First Level Reviewer: goliszekg		Date:	16-Dec-2015 09:42:32		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.490	9.490	0.000	0	239603	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

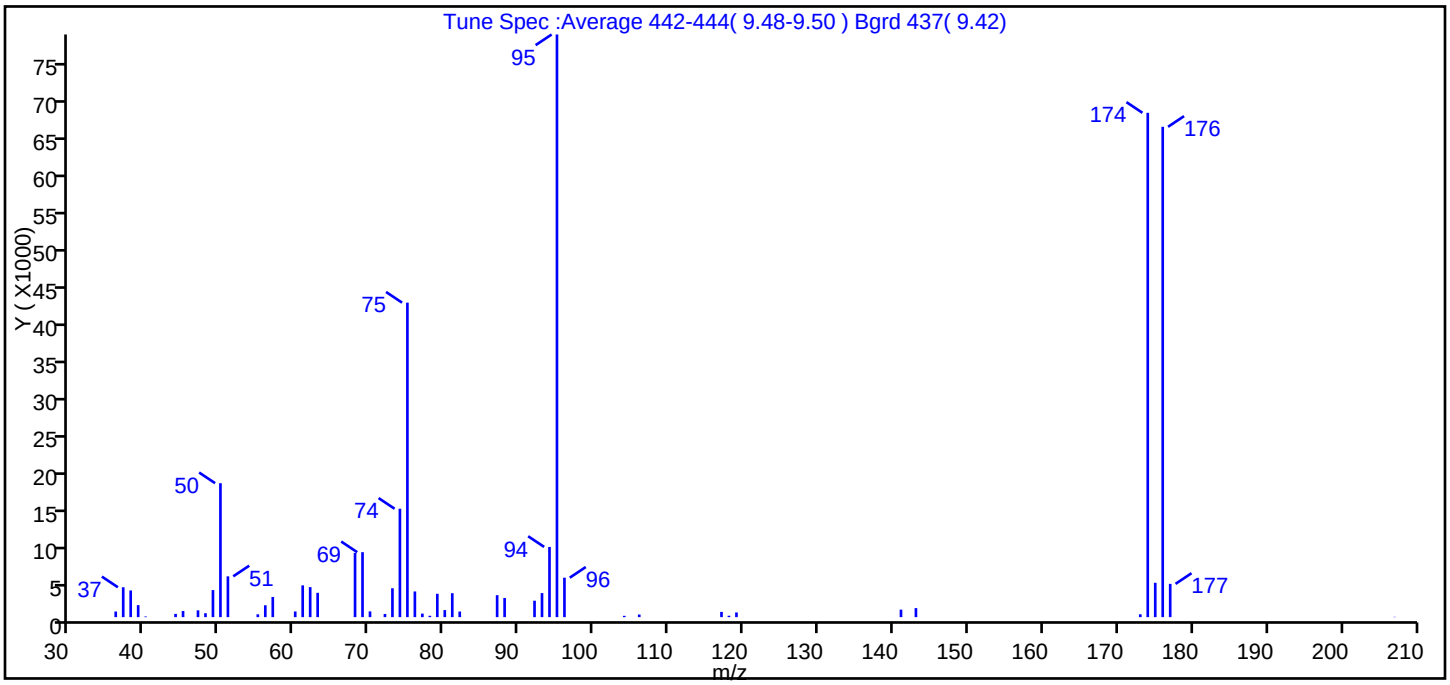
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59690.D
Injection Date: 16-Dec-2015 09:32:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 29 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.0
75	30 to 60% of m/z 95	54.0
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	86.6
175	5 to 9% of m/z 174	5.9 (6.8)
176	Greater than 95% but less than 101% of m/z 174	84.2 (97.2)
177	5 to 9% of m/z 176	5.7 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59690.D\C-8260.rslt\spectra.d
Injection Date: 16-Dec-2015 09:32:30
Spectrum: Tune Spec :Average 442-444(9.48-9.50) Bgrd 437(9.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	753	57.00	2709	78.00	185	117.00	707
37.00	4013	60.00	761	79.00	3138	118.00	191
38.00	3586	61.00	4270	80.00	948	119.00	633
39.00	1612	62.00	4032	81.00	3220	141.00	1008
40.00	88	63.00	3266	82.00	752	143.00	1213
44.00	438	68.00	8630	87.00	2951	173.00	383
45.00	826	69.00	8724	88.00	2575	174.00	67736
47.00	917	70.00	772	92.00	2208	175.00	4614
48.00	525	72.00	422	93.00	3232	176.00	65856
49.00	3634	73.00	3877	94.00	9431	177.00	4469
50.00	17992	74.00	14559	95.00	78256	207.00	38
51.00	5480	75.00	42240	96.00	5299		
55.00	381	76.00	3450	104.00	177		
56.00	1594	77.00	474	106.00	353		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5252.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	04-Dec-2015 11:39:30	ALS Bottle#:	49	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0048944-001				
Operator ID:	LH	Instrument ID:	HP5973N		
Method:	\\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	07-Dec-2015 15:43:24	Calib Date:	04-Dec-2015 20:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK048				
First Level Reviewer: HillL		Date:	04-Dec-2015 11:49:45		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.471	4.471	0.000	87	203085	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

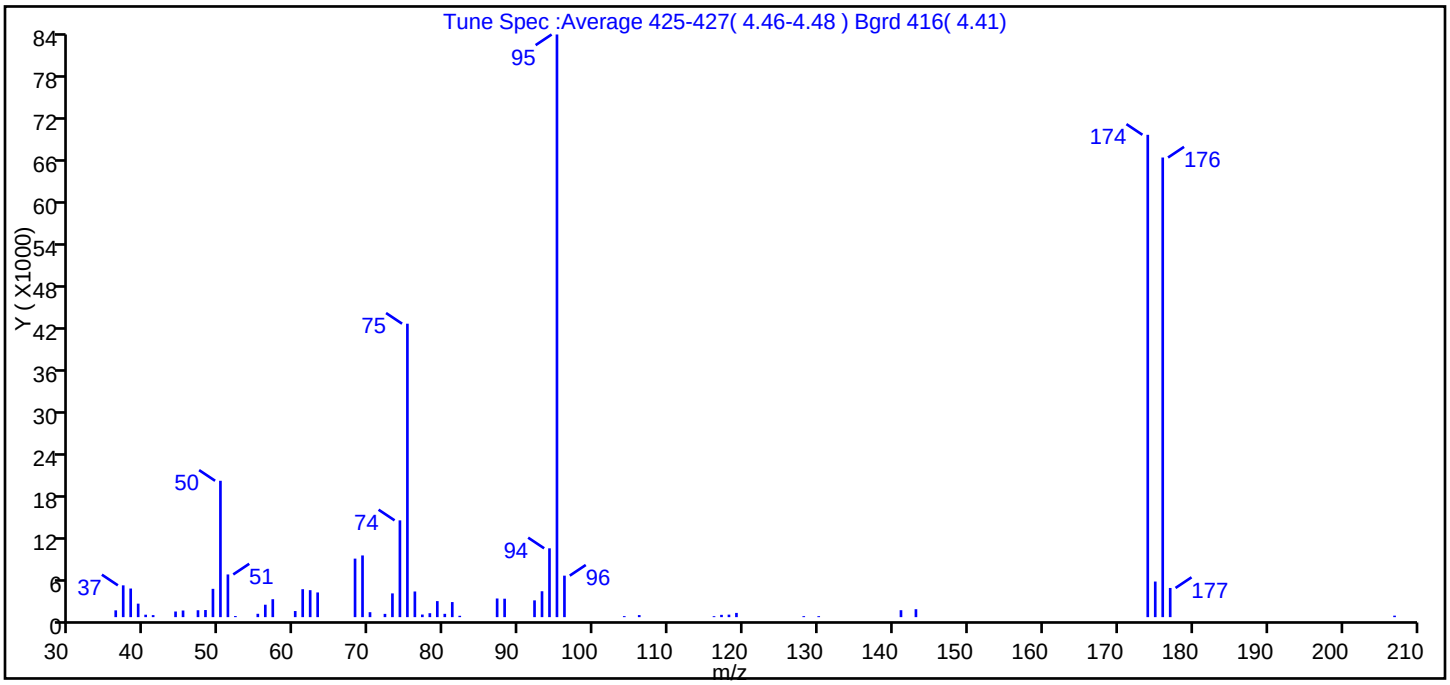
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5252.D
Injection Date: 04-Dec-2015 11:39:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 49 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.4
75	30 to 60% of m/z 95	50.4
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.8
175	5 to 9% of m/z 174	6.1 (7.4)
176	Greater than 95% but less than 101% of m/z 174	78.9 (95.3)
177	5 to 9% of m/z 176	5.0 (6.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5252.D\N-8260.rslt\spectra.d
Injection Date: 04-Dec-2015 11:39:30
Spectrum: Tune Spec :Average 425-427(4.46-4.48) Bgrd 416(4.41)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	979	56.00	1791	78.00	567	117.00	332
37.00	4582	57.00	2585	79.00	2311	118.00	360
38.00	4123	60.00	879	80.00	479	119.00	609
39.00	1946	61.00	4026	81.00	2172	128.00	142
40.00	352	62.00	3887	82.00	198	130.00	141
41.00	293	63.00	3559	87.00	2687	141.00	1001
44.00	813	68.00	8432	88.00	2657	143.00	1144
45.00	958	69.00	8890	92.00	2417	174.00	69496
47.00	995	70.00	715	93.00	3731	175.00	5130
48.00	1025	72.00	472	94.00	9917	176.00	66224
49.00	4079	73.00	3422	95.00	83952	177.00	4205
50.00	19648	74.00	13945	96.00	5979	207.00	215
51.00	6152	75.00	42280	104.00	146		
52.00	159	76.00	3697	106.00	295		
55.00	485	77.00	375	116.00	137		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5566.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Dec-2015 10:26:30	ALS Bottle#:	29	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0049180-002				
Operator ID:	GTG	Instrument ID:	HP5973N		
Method:	\\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	12-Dec-2015 10:39:14	Calib Date:	04-Dec-2015 20:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK012				
First Level Reviewer: goliszekg		Date:	12-Dec-2015 10:39:14		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.495	4.495	0.000	86	256073	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

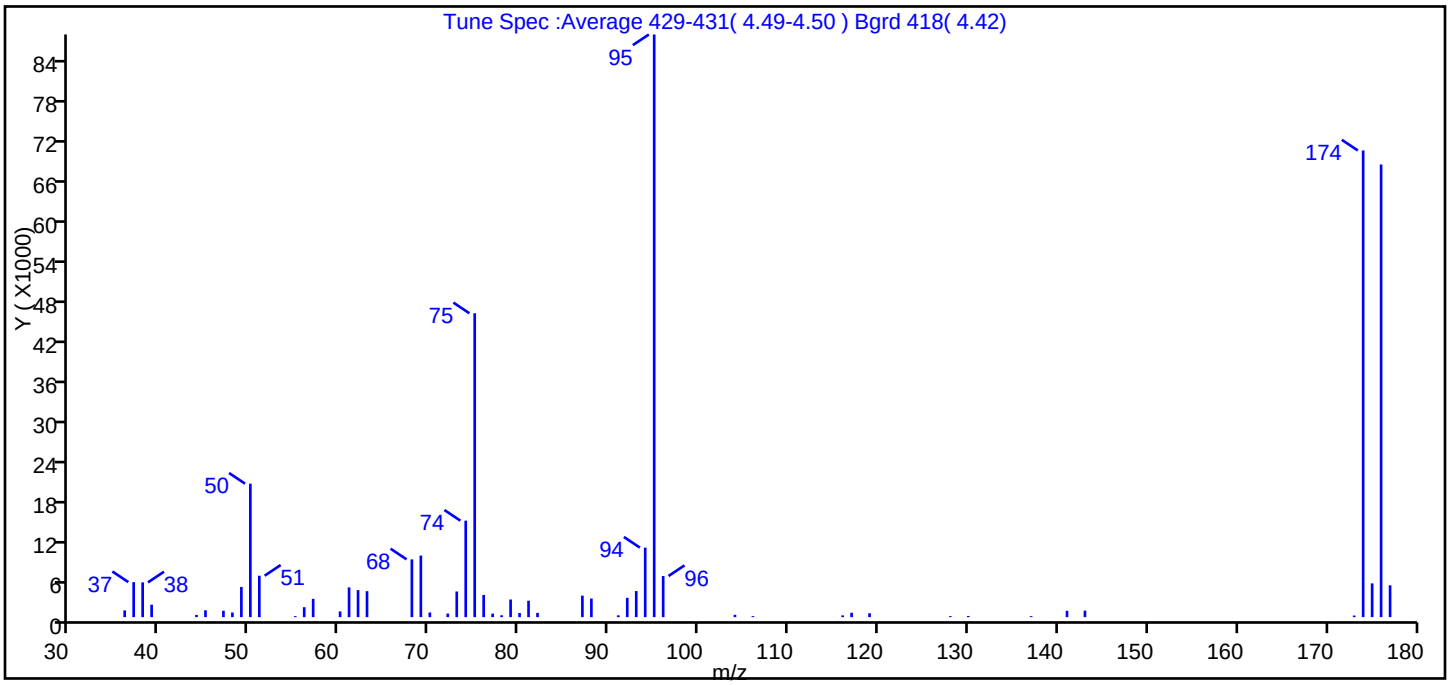
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5566.D
Injection Date: 12-Dec-2015 10:26:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: GTG ALS Bottle#: 29 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.9
75	30 to 60% of m/z 95	52.2
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	80.1
175	5 to 9% of m/z 174	5.8 (7.2)
176	Greater than 95% but less than 101% of m/z 174	77.7 (97.0)
177	5 to 9% of m/z 176	5.5 (7.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5566.D\N-8260.rslt\spectra.d
Injection Date: 12-Dec-2015 10:26:30
Spectrum: Tune Spec :Average 429-431(4.49-4.50) Bgrd 418(4.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1008	60.00	856	79.00	2642	116.00	268
37.00	5244	61.00	4458	80.00	617	117.00	660
38.00	5207	62.00	4049	81.00	2456	119.00	582
39.00	1865	63.00	3891	82.00	636	128.00	149
44.00	328	68.00	8651	87.00	3221	130.00	178
45.00	1029	69.00	9226	88.00	2786	137.00	147
47.00	958	70.00	695	91.00	272	141.00	947
48.00	690	72.00	537	92.00	2894	143.00	974
49.00	4517	73.00	3841	93.00	3906	173.00	245
50.00	19984	74.00	14442	94.00	10408	174.00	69864
51.00	6204	75.00	45496	95.00	87232	175.00	5056
55.00	153	76.00	3324	96.00	6154	176.00	67768
56.00	1491	77.00	527	104.00	356	177.00	4766
57.00	2740	78.00	280	106.00	153		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5593.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-Dec-2015 09:07:30 ALS Bottle#: 56 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049188-002
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 10:39:01 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 10:39:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.477	4.477	0.000	88	249092	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

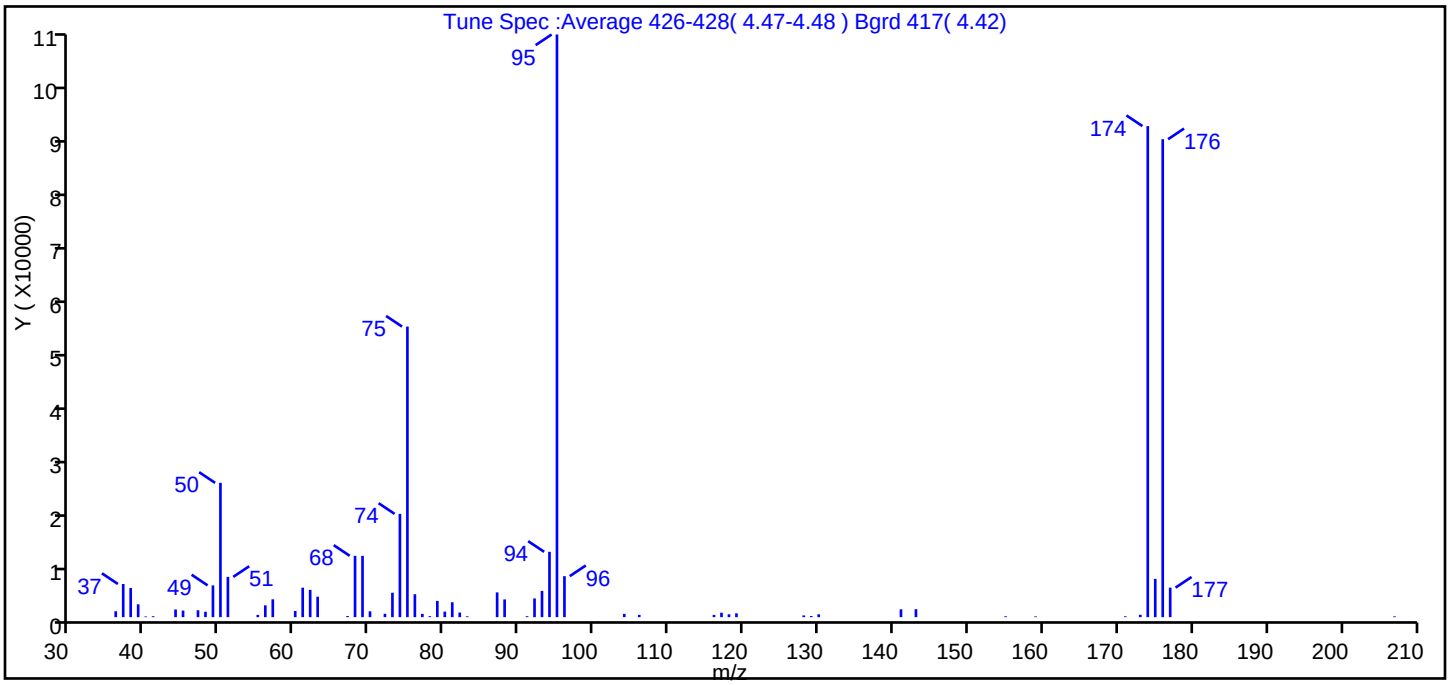
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5593.D
Injection Date: 13-Dec-2015 09:07:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 56 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.1
75	30 to 60% of m/z 95	49.9
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	84.3
175	5 to 9% of m/z 174	6.6 (7.8)
176	Greater than 95% but less than 101% of m/z 174	82.0 (97.3)
177	5 to 9% of m/z 176	5.1 (6.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151213-49188.b\N5593.D\N-8260.rslt\spectra.d
Injection Date: 13-Dec-2015 09:07:30
Spectrum: Tune Spec :Average 426-428(4.47-4.48) Bgrd 417(4.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1045	60.00	1090	80.00	979	118.00	503
37.00	5867	61.00	5207	81.00	2636	119.00	674
38.00	5158	62.00	4828	82.00	813	128.00	306
39.00	2270	63.00	3619	83.00	144	129.00	197
40.00	117	67.00	192	87.00	4378	130.00	499
41.00	164	68.00	10849	88.00	3134	141.00	1386
44.00	1355	69.00	10846	91.00	167	143.00	1409
45.00	1163	70.00	1031	92.00	3307	155.00	152
47.00	1222	72.00	597	93.00	4639	159.00	133
48.00	952	73.00	4316	94.00	11554	171.00	146
49.00	5618	74.00	18272	95.00	103080	173.00	424
50.00	23760	75.00	51400	96.00	7250	174.00	86872
51.00	7123	76.00	4054	104.00	581	175.00	6769
55.00	395	77.00	580	106.00	399	176.00	84552
56.00	2089	78.00	166	116.00	398	177.00	5220
57.00	3155	79.00	2870	117.00	783	207.00	138

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	02-Dec-2015 00:49:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0048850-001				
Operator ID:	NMD	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	11-Dec-2015 10:34:17	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK031				
First Level Reviewer: HillL		Date:	11-Dec-2015 10:34:16		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.189	7.189	0.000	0	179384	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

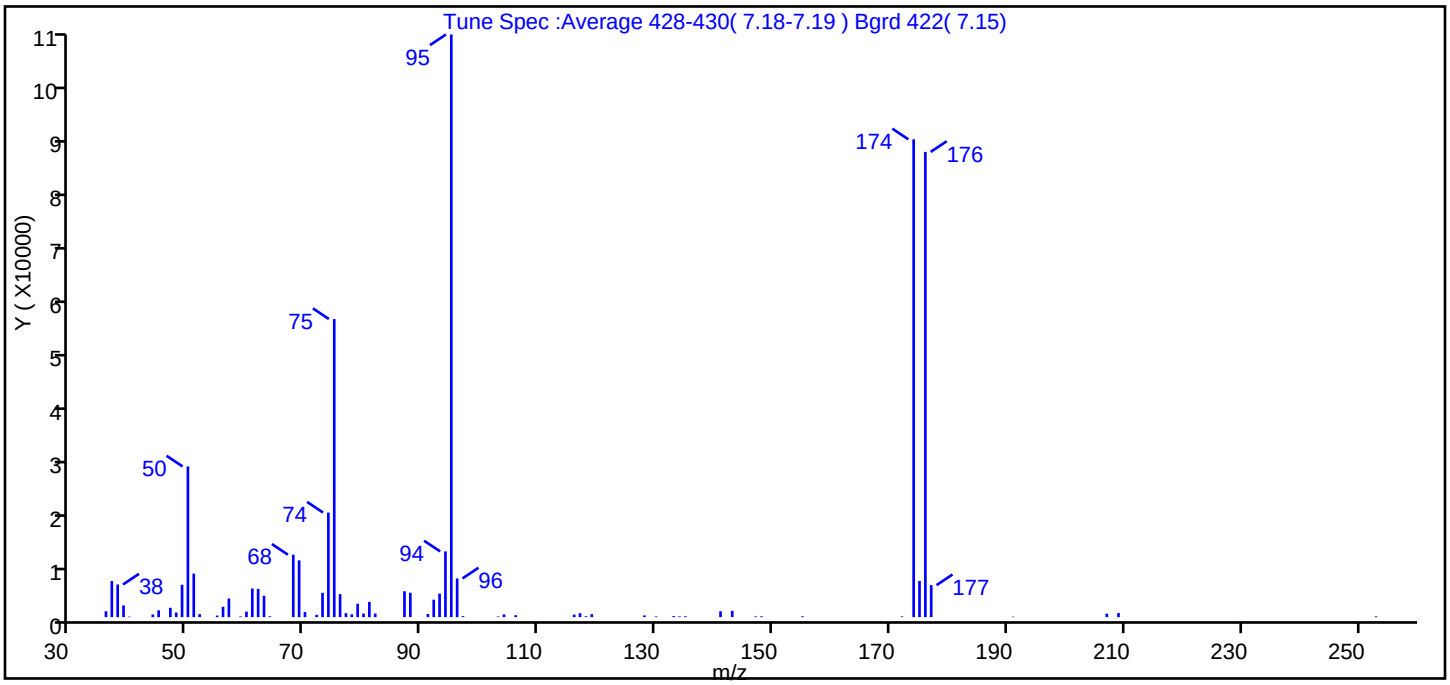
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D
Injection Date: 02-Dec-2015 00:49:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.9
75	30 to 60% of m/z 95	51.2
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.0
175	5 to 9% of m/z 174	6.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	79.8 (97.4)
177	5 to 9% of m/z 176	5.5 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D\P-8260SOIL.rslt\spectra.d
Injection Date: 02-Dec-2015 00:49:30
Spectrum: Tune Spec :Average 428-430(7.18-7.19) Bgrd 422(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1014	61.00	4933	87.00	4459	133.00	182
37.00	6211	62.00	4864	88.00	4201	134.00	124
38.00	5621	63.00	3689	91.00	546	135.00	149
39.00	2016	64.00	144	92.00	2998	141.00	1005
40.00	86	68.00	10740	93.00	4046	143.00	1091
44.00	451	69.00	9769	94.00	11311	147.00	131
45.00	1167	70.00	881	95.00	100264	148.00	137
47.00	1612	72.00	402	96.00	6659	155.00	143
48.00	795	73.00	4179	97.00	171	172.00	127
49.00	5572	74.00	18000	103.00	117	174.00	82224
50.00	25928	75.00	51296	104.00	469	175.00	6223
51.00	7486	76.00	3960	106.00	331	176.00	80056
52.00	508	77.00	685	116.00	439	177.00	5509
55.00	276	78.00	483	117.00	678	191.00	86
56.00	1784	79.00	2304	118.00	146	207.00	593
57.00	3213	80.00	613	119.00	514	209.00	705
59.00	120	81.00	2630	128.00	295	253.00	139
60.00	953	82.00	614	130.00	120		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2218.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Dec-2015 10:37:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049115-002				
Operator ID:	CDC	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	10-Dec-2015 10:49:09	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK012				
First Level Reviewer: cwiklinc		Date:	10-Dec-2015 10:49:09		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	155083	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

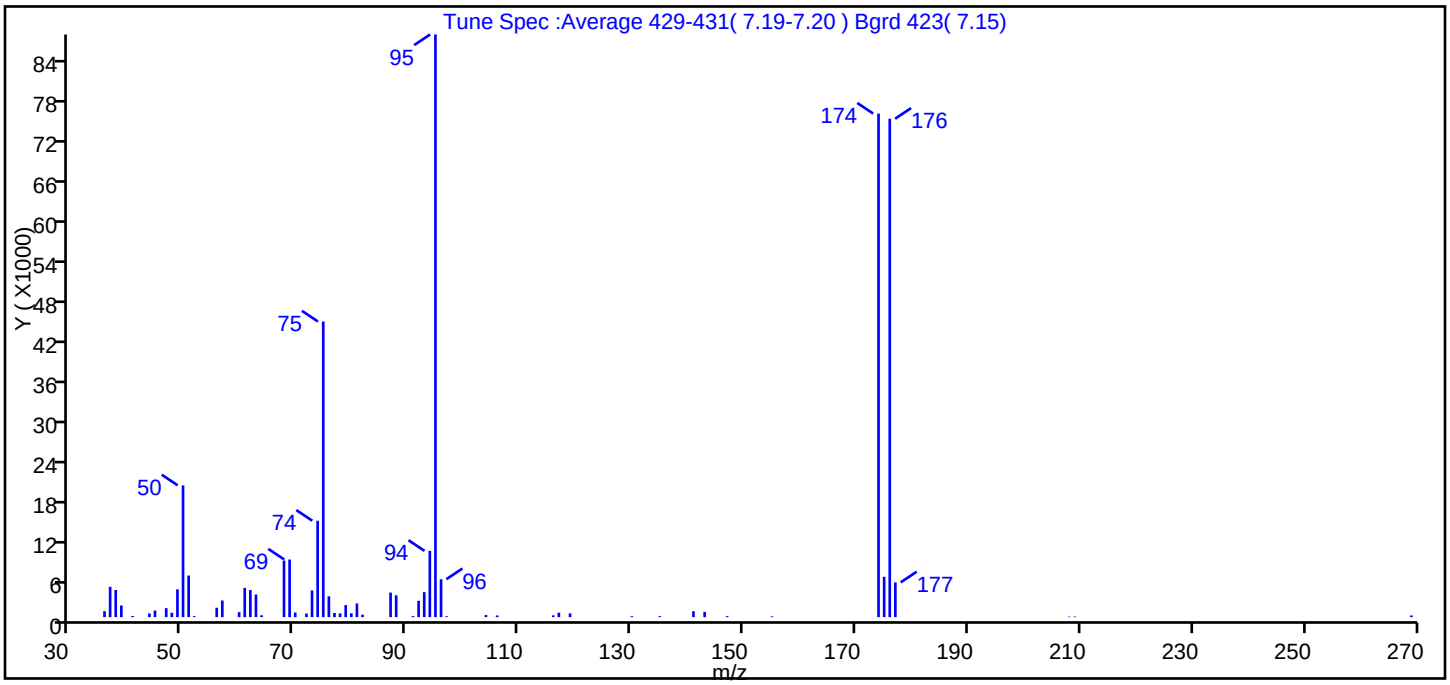
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2218.D
Injection Date: 10-Dec-2015 10:37:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.6
75	30 to 60% of m/z 95	50.7
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.4
175	5 to 9% of m/z 174	6.9 (8.0)
176	Greater than 95% but less than 101% of m/z 174	85.5 (99.0)
177	5 to 9% of m/z 176	6.0 (7.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2218.D\P-8260SOIL.rslt\spectra.d
Injection Date: 10-Dec-2015 10:37:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	899	61.00	4421	81.00	2071	130.00	140
37.00	4570	62.00	4093	82.00	377	135.00	149
38.00	4101	63.00	3420	87.00	3707	141.00	897
39.00	1761	64.00	282	88.00	3299	143.00	796
41.00	180	68.00	8540	91.00	153	147.00	154
44.00	550	69.00	8697	92.00	2465	155.00	117
45.00	1005	70.00	697	93.00	3774	174.00	76024
47.00	1363	72.00	545	94.00	10005	175.00	6091
48.00	657	73.00	4037	95.00	87968	176.00	75248
49.00	4204	74.00	14555	96.00	5726	177.00	5253
50.00	19896	75.00	44632	97.00	131	208.00	78
51.00	6281	76.00	3141	104.00	316	209.00	93
52.00	146	77.00	634	106.00	254	269.00	258
56.00	1422	78.00	572	116.00	277		
57.00	2511	79.00	1819	117.00	673		
60.00	753	80.00	572	119.00	560		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2242.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Dec-2015 22:35:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049138-002				
Operator ID:	CDC	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	11-Dec-2015 00:43:29	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK027				
First Level Reviewer: diasn		Date:	11-Dec-2015 00:43:29		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	94136	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

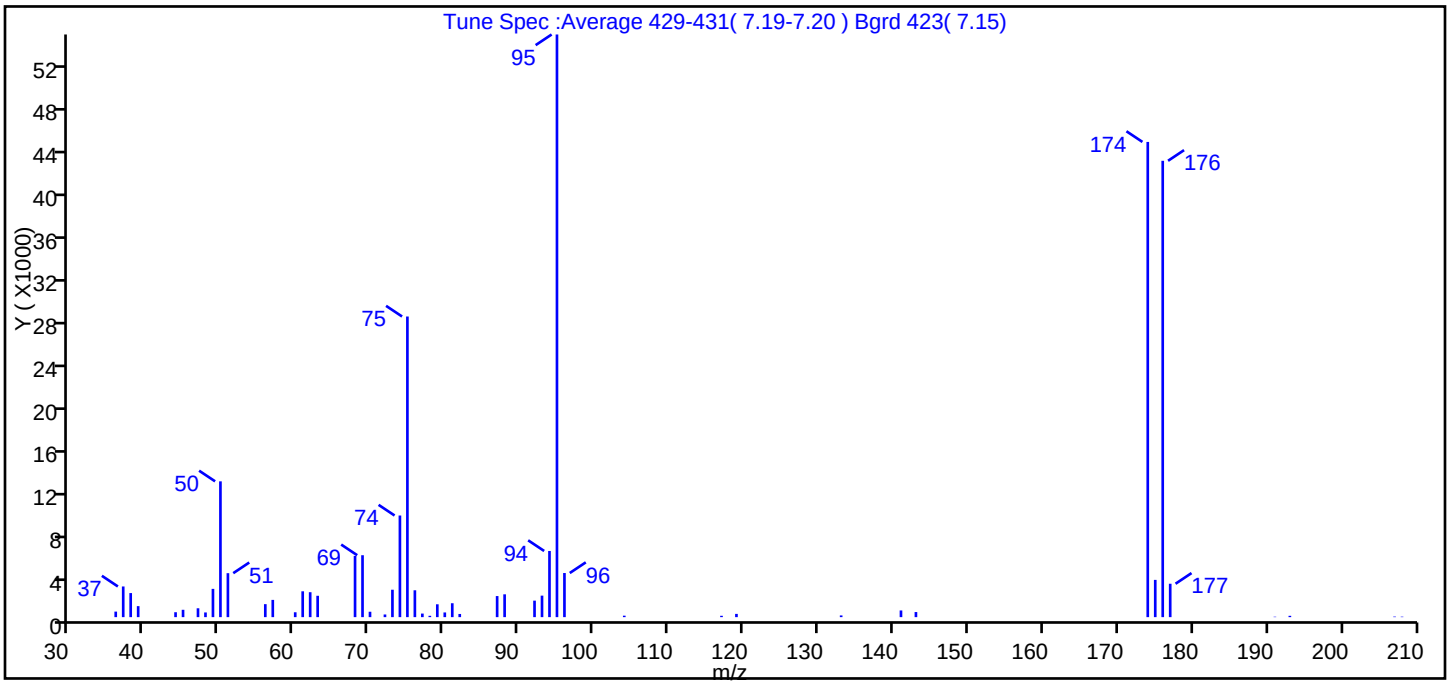
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2242.D
Injection Date: 10-Dec-2015 22:35:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.3
75	30 to 60% of m/z 95	51.6
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.6
175	5 to 9% of m/z 174	6.4 (7.8)
176	Greater than 95% but less than 101% of m/z 174	78.3 (96.0)
177	5 to 9% of m/z 176	5.7 (7.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2242.D\P-8260SOIL.rslt\spectra.d
Injection Date: 10-Dec-2015 22:35:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	514	60.00	453	78.00	125	117.00	126
37.00	2848	61.00	2399	79.00	1194	119.00	302
38.00	2235	62.00	2316	80.00	436	133.00	159
39.00	1022	63.00	1983	81.00	1291	141.00	621
44.00	457	68.00	5686	82.00	295	143.00	474
45.00	683	69.00	5749	87.00	1958	174.00	44120
47.00	823	70.00	502	88.00	2119	175.00	3459
48.00	436	72.00	248	92.00	1532	176.00	42368
49.00	2625	73.00	2546	93.00	1997	177.00	3101
50.00	12608	74.00	9436	94.00	6143	191.00	38
51.00	4082	75.00	27912	95.00	54096	193.00	123
56.00	1206	76.00	2494	96.00	4097	207.00	51
57.00	1602	77.00	332	104.00	136	208.00	44

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2266.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Dec-2015 11:15:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049158-002
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 11:32:48 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 11:32:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.189	7.189	0.000	0	177537	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

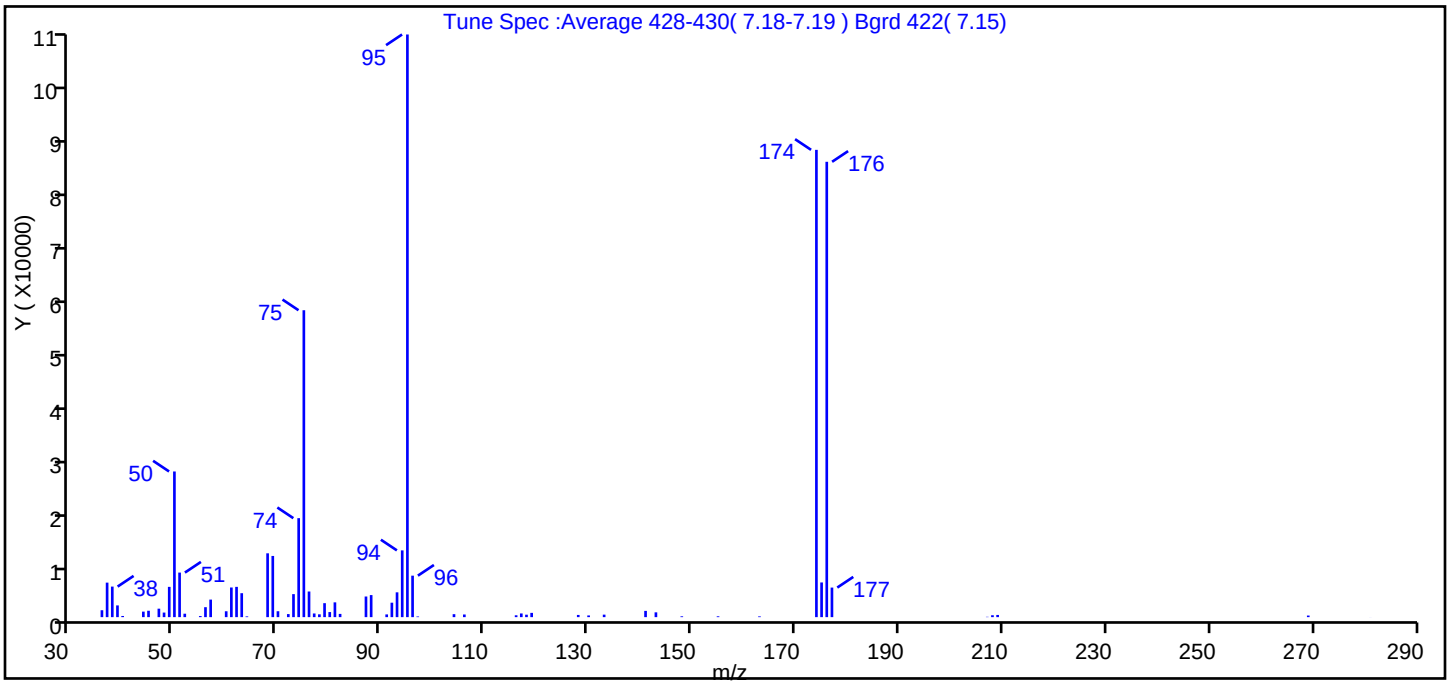
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2266.D
Injection Date: 11-Dec-2015 11:15:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.0
75	30 to 60% of m/z 95	52.7
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.2
175	5 to 9% of m/z 174	6.0 (7.4)
176	Greater than 95% but less than 101% of m/z 174	78.2 (97.4)
177	5 to 9% of m/z 176	5.1 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2266.D\P-8260SOIL.rslt\spectra.d
Injection Date: 11-Dec-2015 11:15:30
Spectrum: Tune Spec :Average 428-430(7.18-7.19) Bgrd 422(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1215	61.00	5209	82.00	570	130.00	299
37.00	6061	62.00	5319	87.00	3625	133.00	440
38.00	5367	63.00	4207	88.00	3875	141.00	1098
39.00	2061	64.00	132	91.00	480	143.00	844
40.00	205	68.00	11210	92.00	2537	148.00	144
44.00	971	69.00	10748	93.00	4358	155.00	146
45.00	1122	70.00	1039	94.00	11725	163.00	132
47.00	1487	72.00	537	95.00	102336	174.00	82072
48.00	804	73.00	4042	96.00	7286	175.00	6093
49.00	5319	74.00	17384	97.00	116	176.00	79976
50.00	25584	75.00	53904	104.00	522	177.00	5194
51.00	7827	76.00	4504	106.00	467	207.00	58
52.00	603	77.00	644	116.00	328	208.00	334
55.00	190	78.00	495	117.00	649	209.00	386
56.00	1749	79.00	2454	118.00	428	269.00	281
57.00	3082	80.00	892	119.00	750	281.00	7
60.00	1035	81.00	2598	128.00	387		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2288.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Dec-2015 07:12:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049177-002				
Operator ID:	CDC	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	12-Dec-2015 07:25:22	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: cwiklinc		Date:	12-Dec-2015 07:25:22		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	86020	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

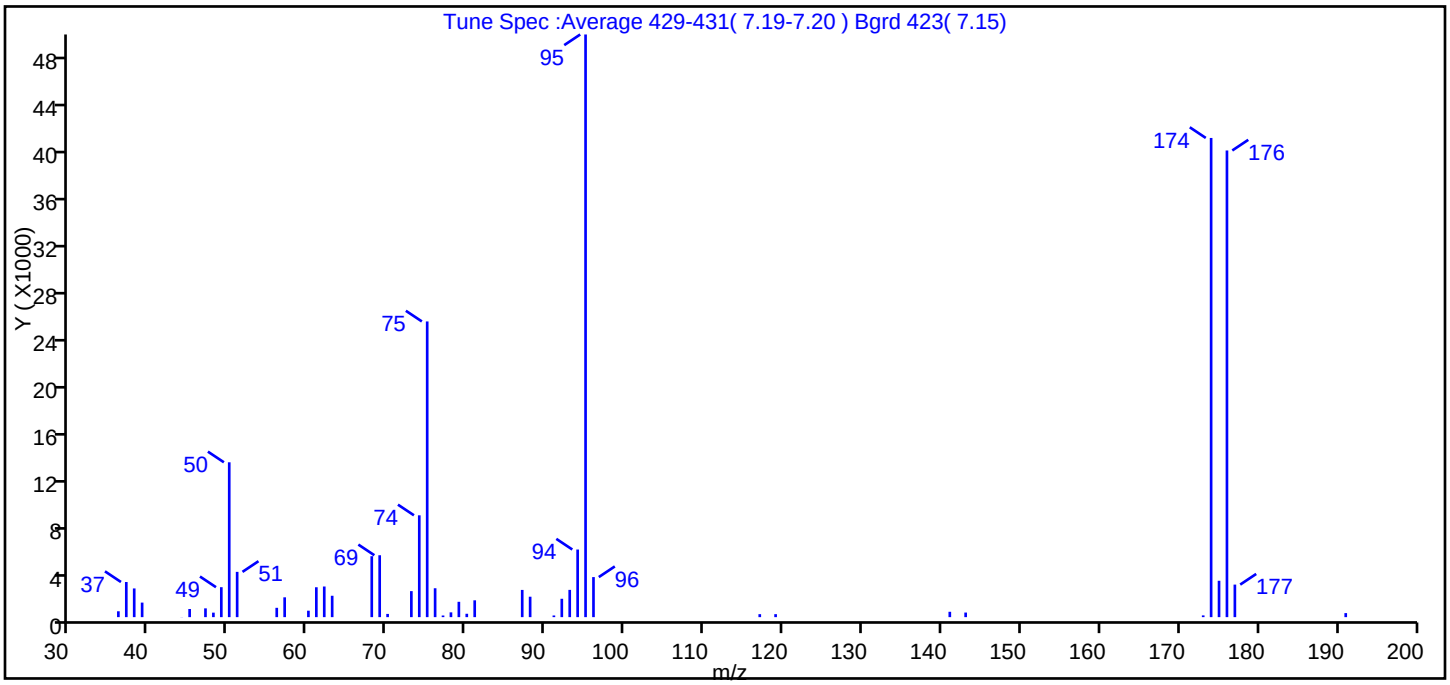
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2288.D
Injection Date: 12-Dec-2015 07:12:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	26.6
75	30 to 60% of m/z 95	50.7
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	82.2
175	5 to 9% of m/z 174	6.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	80.1 (97.4)
177	5 to 9% of m/z 176	5.6 (7.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2288.D\P-8260SOIL.rslt\spectra.d
Injection Date: 12-Dec-2015 07:12:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	495	57.00	1670	77.00	138	96.00	3376
37.00	2961	60.00	543	78.00	403	117.00	251
38.00	2419	61.00	2519	79.00	1293	119.00	252
39.00	1226	62.00	2582	80.00	285	141.00	452
44.00	10	63.00	1802	81.00	1418	143.00	387
45.00	686	68.00	5136	87.00	2294	173.00	147
47.00	740	69.00	5217	88.00	1722	174.00	40384
48.00	379	70.00	272	91.00	140	175.00	3066
49.00	2524	73.00	2193	92.00	1548	176.00	39328
50.00	13050	74.00	8582	93.00	2298	177.00	2743
51.00	3816	75.00	24920	94.00	5699	191.00	341
56.00	786	76.00	2435	95.00	49104		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	07-Dec-2015 13:03:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049002-003				
Operator ID:	LH	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	07-Dec-2015 19:46:17	Calib Date:	07-Dec-2015 19:11:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5808.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: HillL		Date:	07-Dec-2015 13:34:18		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.923	3.923	0.000	0	179086	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

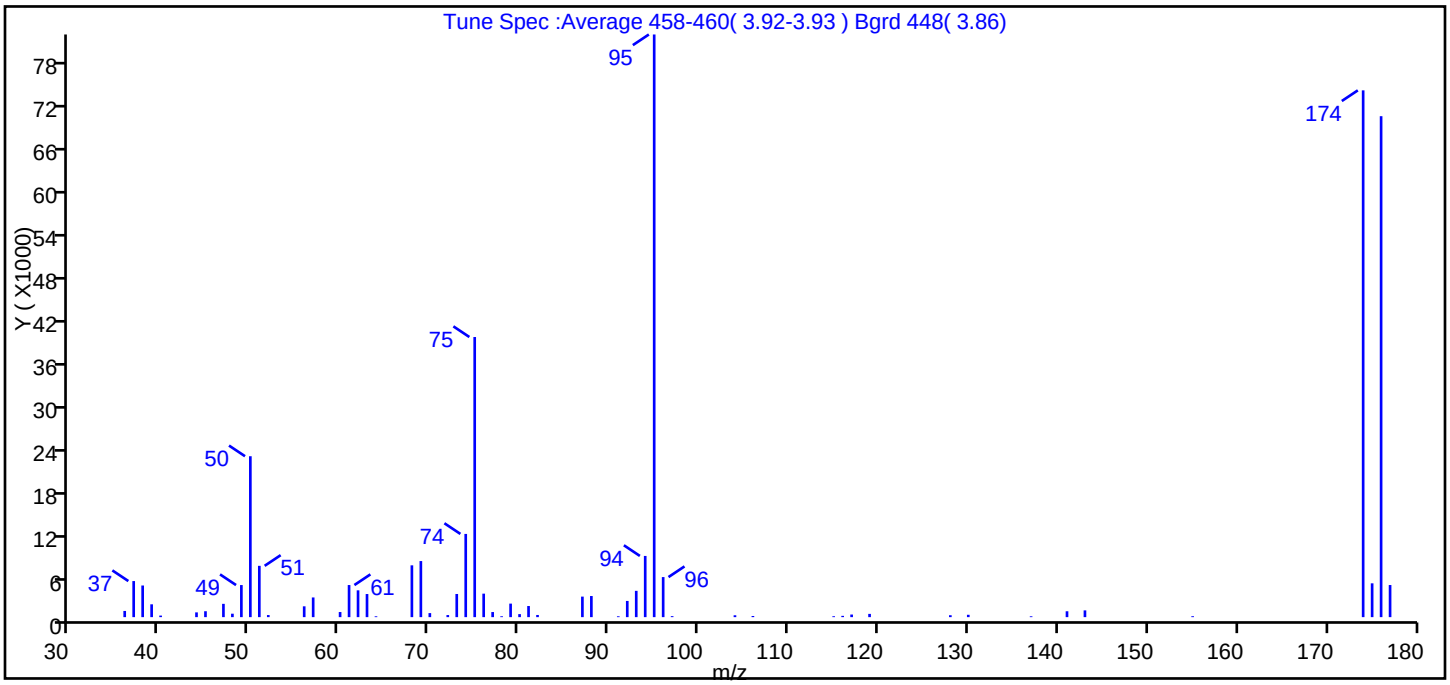
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D
Injection Date: 07-Dec-2015 13:03:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.6
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	5.8 (6.4)
176	Greater than 95% but less than 101% of m/z 174	86.0 (95.1)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D\S-8260.rslt\spectra.d
Injection Date: 07-Dec-2015 13:03:30
Spectrum: Tune Spec :Average 458-460(3.92-3.93) Bgrd 448(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	870	60.00	719	79.00	1902	115.00	126
37.00	5072	61.00	4513	80.00	427	116.00	181
38.00	4449	62.00	3770	81.00	1564	117.00	368
39.00	1805	63.00	3250	82.00	305	119.00	458
40.00	220	64.00	119	87.00	2887	128.00	268
44.00	670	68.00	7284	88.00	2969	130.00	332
45.00	831	69.00	7884	91.00	119	137.00	117
47.00	1871	70.00	568	92.00	2277	141.00	828
48.00	485	72.00	294	93.00	3697	143.00	951
49.00	4511	73.00	3256	94.00	8605	155.00	129
50.00	22624	74.00	11700	95.00	81920	174.00	74064
51.00	7214	75.00	39384	96.00	5633	175.00	4754
52.00	294	76.00	3304	97.00	138	176.00	70432
56.00	1522	77.00	717	104.00	263	177.00	4516
57.00	2768	78.00	121	106.00	159		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6159.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Dec-2015 21:01:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0049315-002				
Operator ID:	GF	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	16-Dec-2015 21:25:32	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK002				
First Level Reviewer: fortaing		Date:	16-Dec-2015 21:25:32		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.903	3.903	0.000	0	148197	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

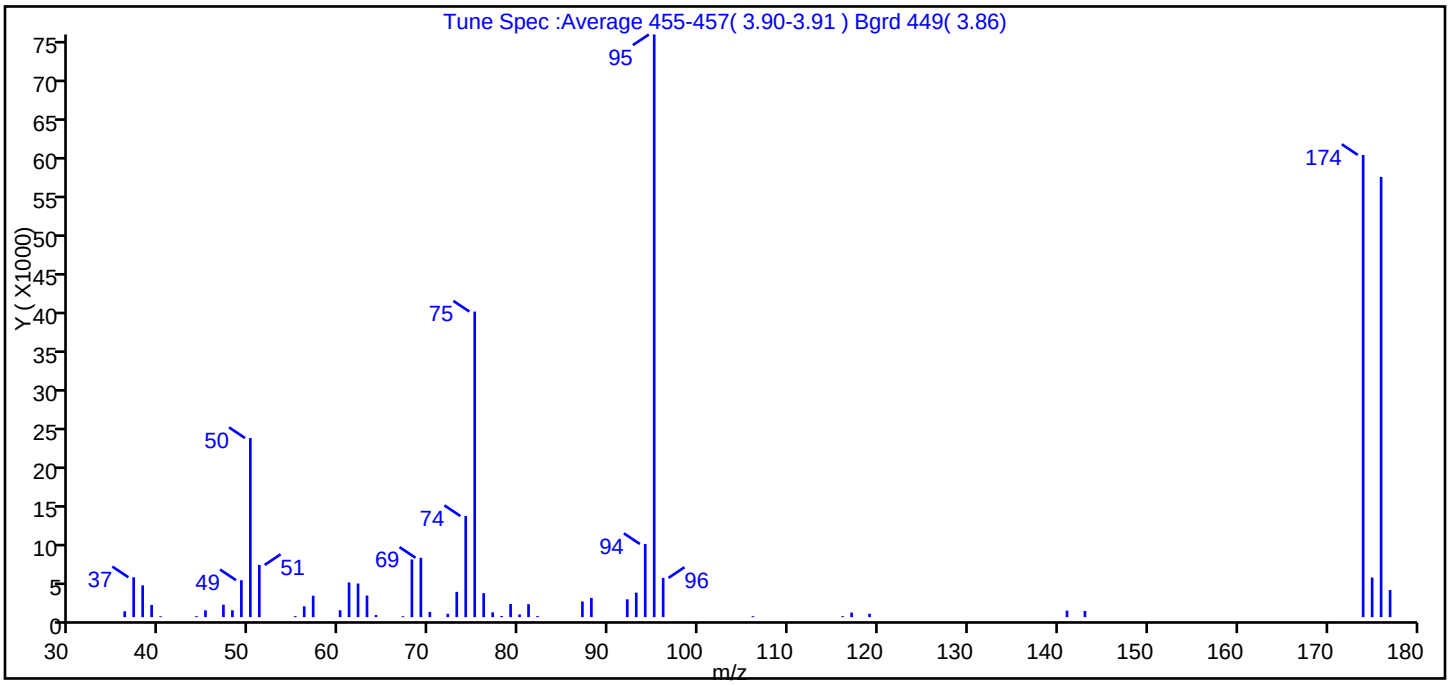
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6159.D
Injection Date: 16-Dec-2015 21:01:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.7
75	30 to 60% of m/z 95	52.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.3
175	5 to 9% of m/z 174	6.8 (8.6)
176	Greater than 95% but less than 101% of m/z 174	75.6 (95.2)
177	5 to 9% of m/z 176	4.7 (6.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6159.D\S-8260.rslt\spectra.d
Injection Date: 16-Dec-2015 21:01:30
Spectrum: Tune Spec :Average 455-457(3.90-3.91) Bgrd 449(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	772	56.00	1413	74.00	13186	94.00	9540
37.00	5203	57.00	2793	75.00	39856	95.00	76000
38.00	4144	60.00	896	76.00	3129	96.00	5120
39.00	1590	61.00	4524	77.00	625	106.00	121
40.00	105	62.00	4389	78.00	157	116.00	125
44.00	129	63.00	2819	79.00	1710	117.00	600
45.00	888	64.00	276	80.00	354	119.00	445
47.00	1620	67.00	119	81.00	1697	141.00	859
48.00	897	68.00	7520	82.00	135	143.00	810
49.00	4819	69.00	7742	87.00	2047	174.00	60288
50.00	23360	70.00	685	88.00	2516	175.00	5168
51.00	6808	72.00	440	92.00	2329	176.00	57424
55.00	134	73.00	3298	93.00	3196	177.00	3539

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279119/2-A

Matrix: Solid | Lab File ID: P2223.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 12/10/2015 13:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279063 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	7.85	J	25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279119/2-A

Matrix: Solid | Lab File ID: P2223.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 12/10/2015 13:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279063 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2223.D
Lims ID: MB 480-279119/2-A
Client ID:
Sample Type: MB
Inject. Date: 10-Dec-2015 13:14:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279119/2-A
Misc. Info.: 480-0049115-007
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Dec-2015 13:42:57 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: cwiklinc Date: 10-Dec-2015 14:21:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	317993	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	647994	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	629924	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	93	402640	50.0	49.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	250015	50.0	50.9	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	93	1416110	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	492936	50.0	49.9	
10 Dichlorodifluoromethane	85		4.036					ND	
15 Chlorodifluoromethane	51		4.054					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.565					ND	
149 Butadiene	54		4.596					ND	
12 Bromomethane	94		5.125					ND	
13 Chloroethane	64		5.253					ND	
19 Dichlorofluoromethane	67		5.551					ND	
14 Trichlorofluoromethane	101		5.672					ND	
146 Ethanol	45		5.855					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.214					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299					ND	
25 1,1-Dichloroethene	96		6.372					ND	
24 Acetone	43	6.396	6.396	0.000	97	28676		7.87	
23 Isopropyl alcohol	45		6.500					ND	
18 Iodomethane	142		6.628					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.774					ND	
29 Acetonitrile	40		6.804					ND	
31 Methylene Chloride	84		6.980					ND	
33 2-Methyl-2-propanol	59		6.999					ND	
32 Methyl tert-butyl ether	73		7.224					ND	
34 Acrylonitrile	53		7.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 trans-1,2-Dichloroethene	96		7.303					ND	
36 Hexane	57	7.540	7.534	0.006	96	9601		0.5477	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.747					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.917					ND	
42 Tert-butyl ethyl ether	59		8.185					ND	
46 Ethyl acetate	43		8.465					ND	
44 2-Butanone (MEK)	43		8.471					ND	
43 cis-1,2-Dichloroethene	96		8.526					ND	
45 2,2-Dichloropropane	77		8.532					ND	
47 Propionitrile	54		8.605					ND	
48 Methacrylonitrile	41		8.769					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.872					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.146					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.292					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.426					ND	
150 Isooctane	57		9.554					ND	
58 Tert-amyl methyl ether	73		9.590					ND	
57 Benzene	78		9.596					ND	
60 1,2-Dichloroethane	62		9.621					ND	
59 n-Heptane	43		9.718					ND	
1 1,4-Difluorobenzene	114		9.967					ND	
61 n-Butanol	56		10.083					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.326					ND	
62 Trichloroethene	95		10.351					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.624					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.789					ND	
69 Dibromomethane	93		10.850					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.257					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.646	11.634	0.012	97	7787		0.7253	
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 Tetrachloroethene	166		12.717					ND	
83 2-Hexanone	43	12.735	12.723	0.012	92	9232		1.25	
82 1,3-Dichloropropane	76		12.748					ND	
156 n-Butyl acetate	43	12.814	12.808	0.006	91	8650		0.4777	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.295					ND	
84 3-Chlorobenzotrifluoride	180		13.678					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.879					ND	
89 Ethylbenzene	91		13.946					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.634					ND	
91 2-Chlorobenzotrifluoride	180		14.938					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
104 3-Chlorotoluene	126		15.862					ND	
105 4-Chlorotoluene	126		15.923					ND	
106 tert-Butylbenzene	134		16.240					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	95	19497		0.4784	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.823	16.878	-0.055	45	12672		NC	
148 Benzyl chloride	126		17.012					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
119 1,2,4-Trichlorobenzene	180		19.409					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.810	19.811	-0.001	98	32466		1.06	
122 1,2,3-Trichlorobenzene	180		20.170					ND	
147 2-Methylnaphthalene	142	21.648	21.642	0.006	92	10357		3.53	
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 7 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

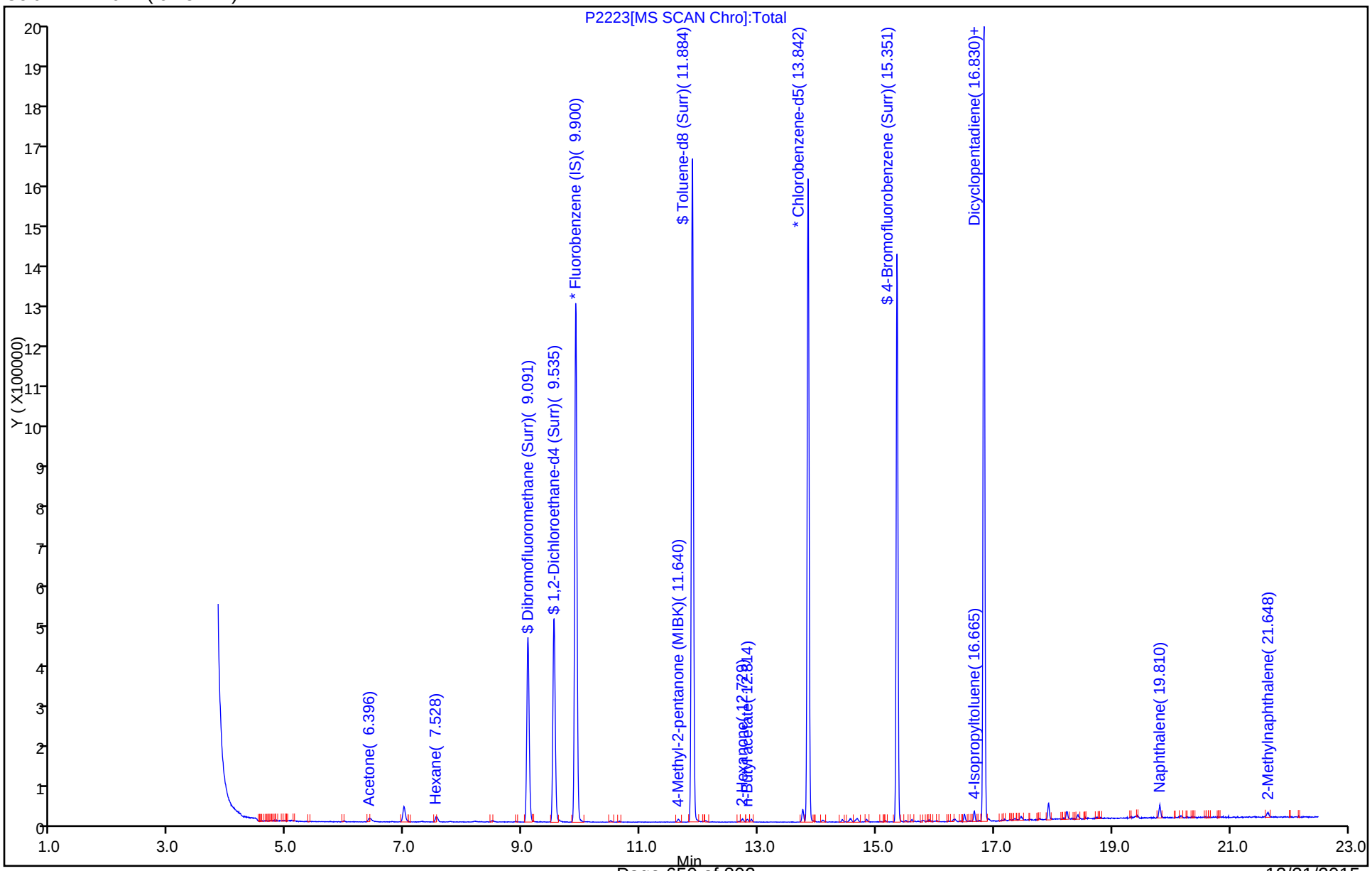
Report Date: 10-Dec-2015 14:21:51 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2223.D

Injection Date:	10-Dec-2015 13:14:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	MB 480-279119/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

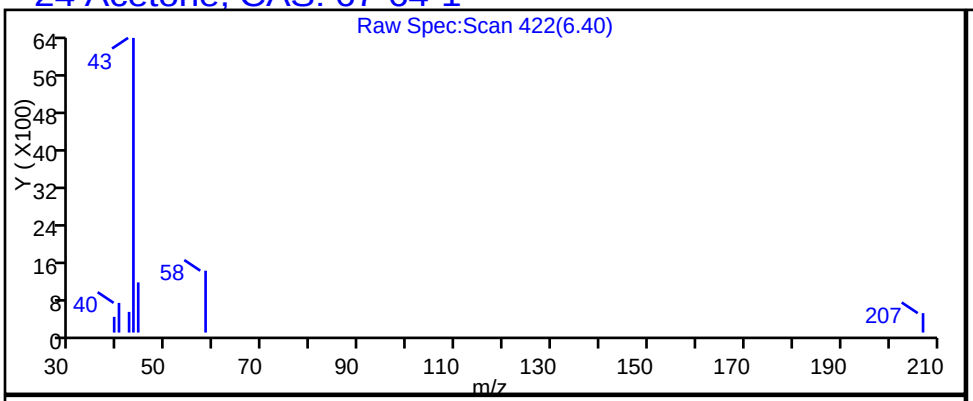
Column: ZB-624 (0.25 mm)

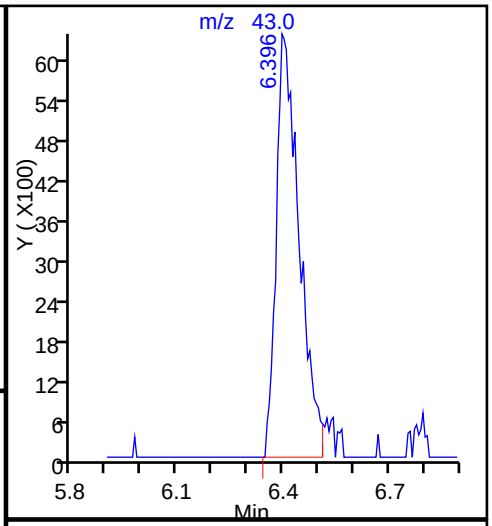


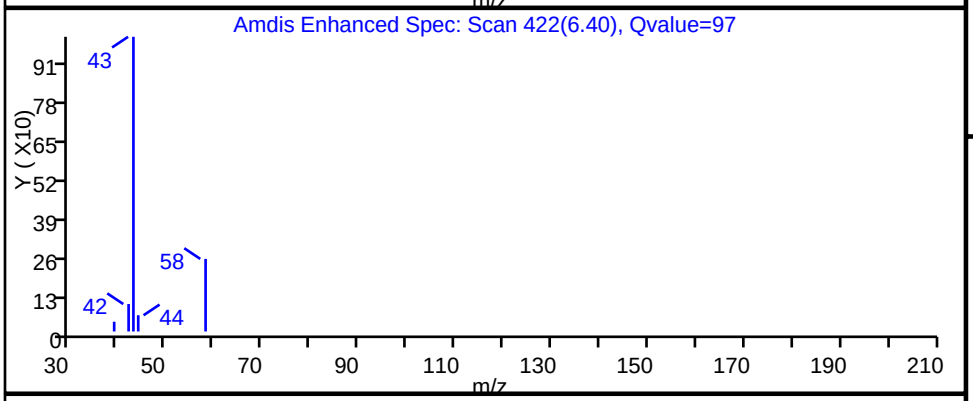
TestAmerica Buffalo

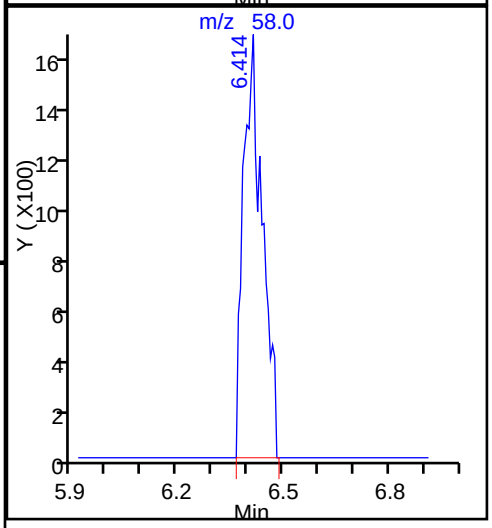
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2223.D
Injection Date: 10-Dec-2015 13:14:30 Instrument ID: HP5973P
Lims ID: MB 480-279119/2-A
Client ID:
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

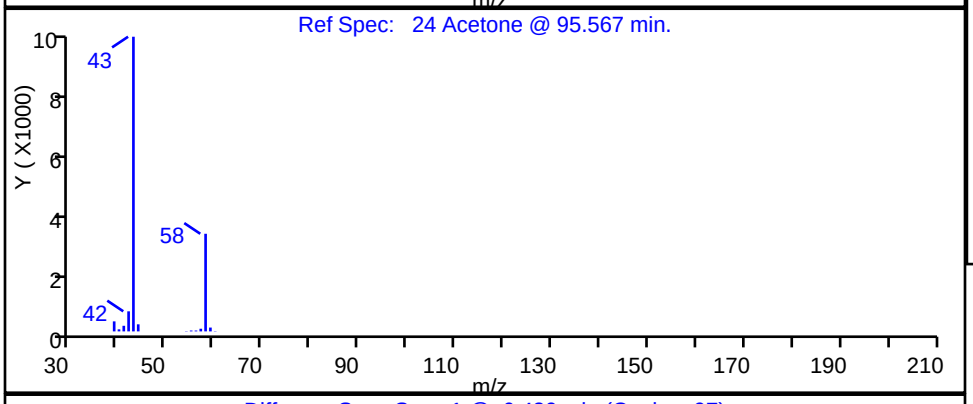
24 Acetone, CAS: 67-64-1

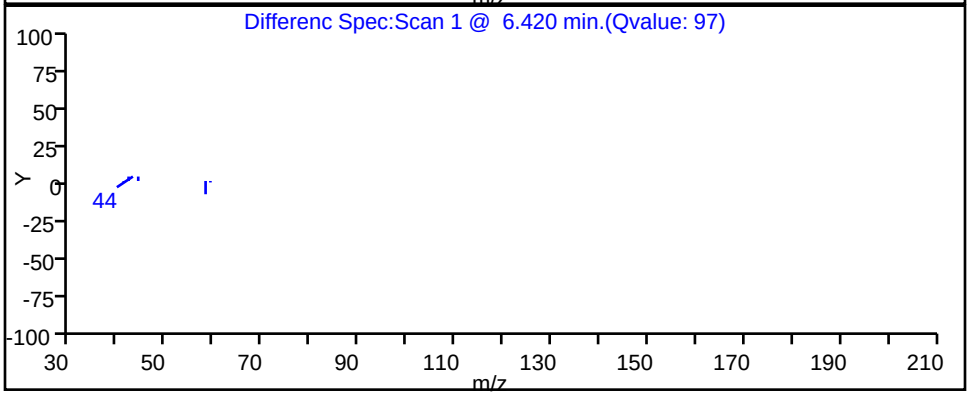












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279229/2-A

Matrix: Solid | Lab File ID: P2247.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.13(g) | Date Analyzed: 12/11/2015 00:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.63
75-34-3	1,1-Dichloroethane	ND		4.9	0.59
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.4
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.24
78-87-5	1,2-Dichloropropane	ND		4.9	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.68
78-93-3	2-Butanone (MEK)	ND		24	1.8
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	7.11	J	24	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.65
75-25-2	Bromoform	ND		4.9	2.4
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.4
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND		4.9	0.64
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.62
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.70
110-82-7	Cyclohexane	ND		4.9	0.68
124-48-1	Dibromochloromethane	ND		4.9	0.62
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279229/2-A

Matrix: Solid | Lab File ID: P2247.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.13(g) | Date Analyzed: 12/11/2015 00:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	2.9
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.74
75-09-2	Methylene Chloride	ND		4.9	2.2
100-42-5	Styrene	ND		4.9	0.24
127-18-4	Tetrachloroethene	ND		4.9	0.65
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.50
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.1
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.59
1330-20-7	Xylenes, Total	ND		9.7	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	101		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2247.D
Lims ID: MB 480-279229/2-A
Client ID:
Sample Type: MB
Inject. Date: 11-Dec-2015 00:55:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279229/2-A
Misc. Info.: 480-0049138-007
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 01:37:29 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 11-Dec-2015 01:37:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	303168	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	608973	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	595131	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	397873	50.0	51.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	248760	50.0	53.1	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	1379467	50.0	51.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	88	467320	50.0	50.4	
10 Dichlorodifluoromethane	85		4.042					ND	
15 Chlorodifluoromethane	51		4.054					ND	
11 Chloromethane	50		4.346					ND	
17 Vinyl chloride	62		4.571					ND	
149 Butadiene	54		4.595					ND	
12 Bromomethane	94		5.119					ND	
13 Chloroethane	64		5.252					ND	
19 Dichlorofluoromethane	67		5.557					ND	
14 Trichlorofluoromethane	101		5.672					ND	
146 Ethanol	45		5.855					ND	
20 Ethyl ether	59		5.958					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.214					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299					ND	
25 1,1-Dichloroethene	96		6.372					ND	
24 Acetone	43	6.415	6.390	0.025	99	25346		7.30	
23 Isopropyl alcohol	45		6.506					ND	
18 Iodomethane	142		6.633					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.773					ND	
28 3-Chloro-1-propene	41		6.804					ND	
29 Acetonitrile	40		6.810					ND	
33 2-Methyl-2-propanol	59		7.004					ND	
32 Methyl tert-butyl ether	73		7.223					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		7.272					ND	
35 trans-1,2-Dichloroethene	96		7.303					ND	
36 Hexane	57	7.546	7.534	0.012	95	5819		0.3482	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.753					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.923					ND	
42 Tert-butyl ethyl ether	59		8.191					ND	
46 Ethyl acetate	43		8.471					ND	
44 2-Butanone (MEK)	43		8.477					ND	
43 cis-1,2-Dichloroethene	96		8.525					ND	
45 2,2-Dichloropropane	77		8.531					ND	
47 Propionitrile	54		8.605					ND	
48 Methacrylonitrile	41		8.775					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.146					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.292					ND	
56 1,1-Dichloropropene	75		9.316					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.432					ND	
150 Isooctane	57		9.560					ND	
57 Benzene	78		9.596					ND	
58 Tert-amyl methyl ether	73		9.596					ND	
60 1,2-Dichloroethane	62		9.620					ND	
59 n-Heptane	43		9.718					ND	
1 1,4-Difluorobenzene	114		9.973					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.332					ND	
62 Trichloroethene	95		10.350					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.630					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.782					ND	
69 Dibromomethane	93		10.849					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.263					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.646	11.634	0.012	55	7443		0.7377	M
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 1,1,2-Trichloroethane	83		12.510					ND	
83 2-Hexanone	43	12.735	12.723	0.012	93	8428		1.21	
82 1,3-Dichloropropane	76		12.747					ND	
156 n-Butyl acetate	43		12.808					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.295					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.709					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.885					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.633					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.938					ND	
92 Bromoform	173		15.010					ND	
95 Isopropylbenzene	105		15.077					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
100 Bromobenzene	156		15.594					ND	
101 1,2,3-Trichloropropane	110		15.594					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
104 3-Chlorotoluene	126	15.929	15.862	0.067	88	442		NC	
106 tert-Butylbenzene	134		16.239					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.672	16.665	0.007	96	13671		0.3550	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.824	16.884	-0.060	44	11854		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.340					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.811	19.810	0.001	98	27008		0.9256	
122 1,2,3-Trichlorobenzene	180	20.176	20.169	0.007	92	2445		0.2047	
147 2-Methylnaphthalene	142	21.642	21.642	0.000	92	8488		3.43	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
129 Hexachloroethane	117		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 138 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

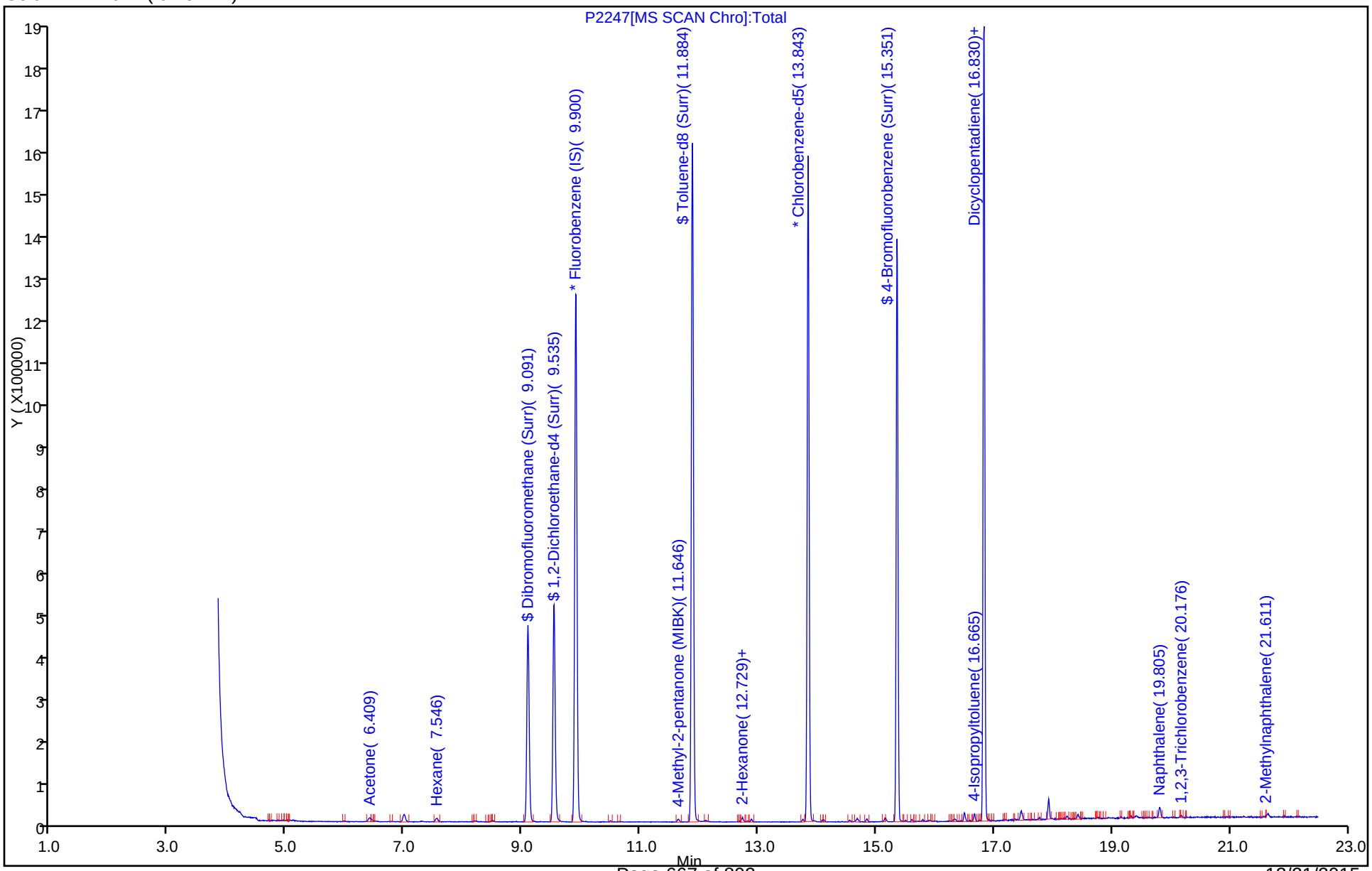
Report Date: 11-Dec-2015 01:37:30 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2247.D

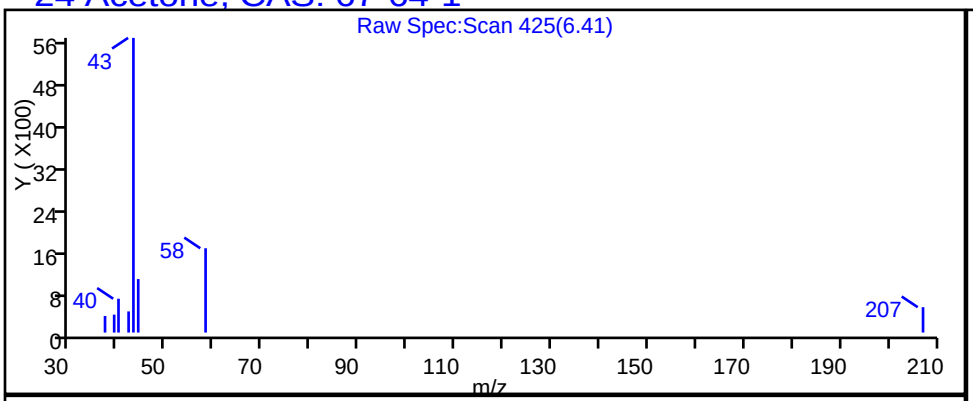
Injection Date:	11-Dec-2015 00:55:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	MB 480-279229/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

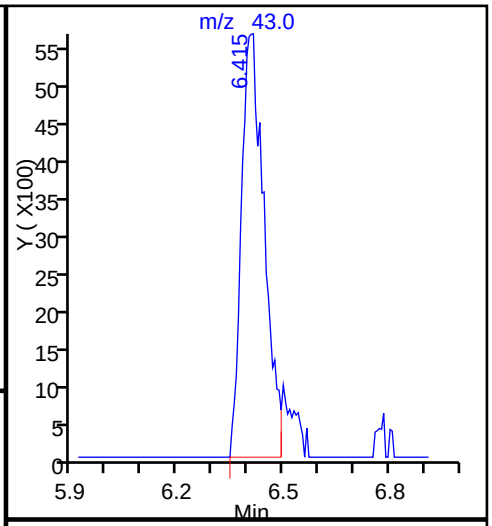
Column: ZB-624 (0.25 mm)

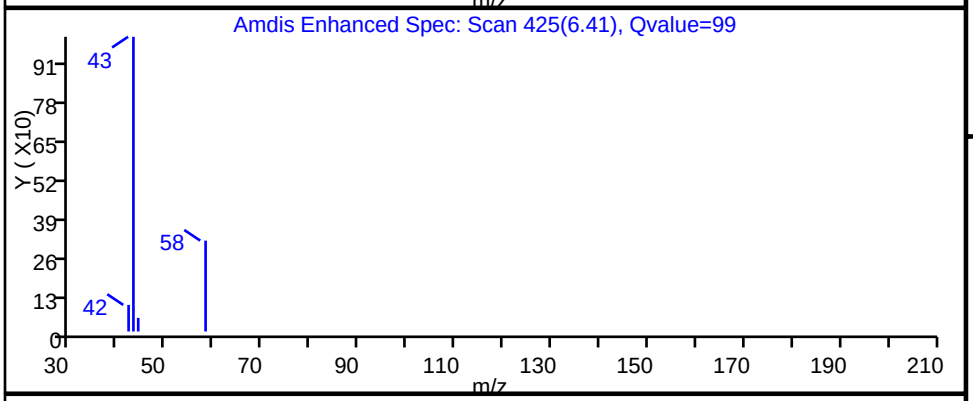


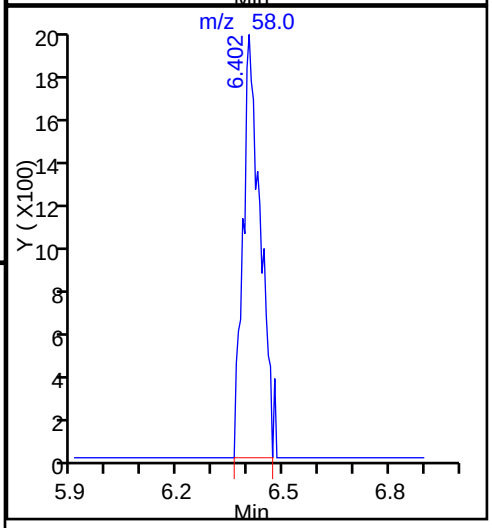
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2247.D
Injection Date: 11-Dec-2015 00:55:30 Instrument ID: HP5973P
Lims ID: MB 480-279229/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

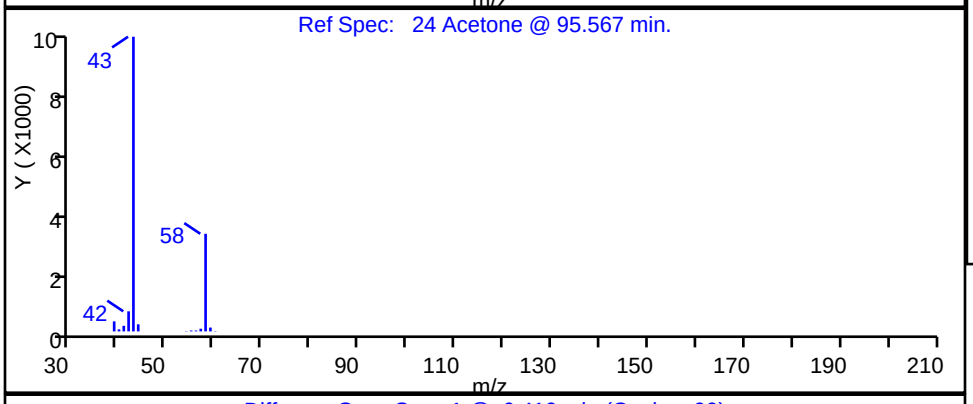
24 Acetone, CAS: 67-64-1

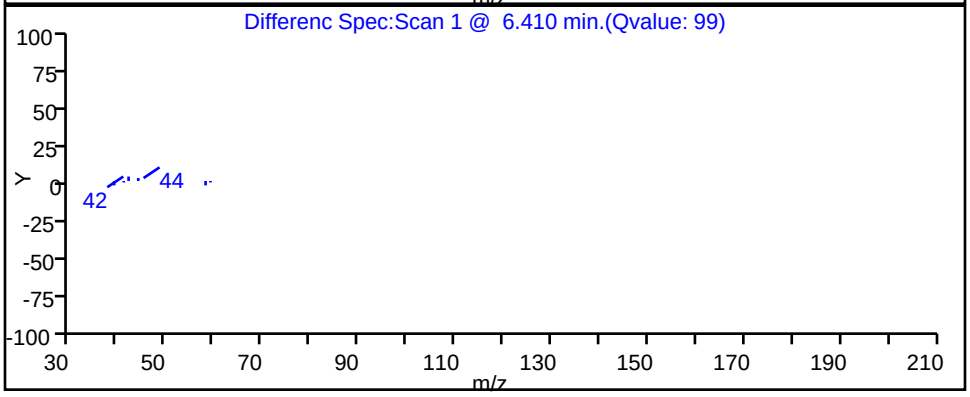












Manual Integration/User Assign Peak Report

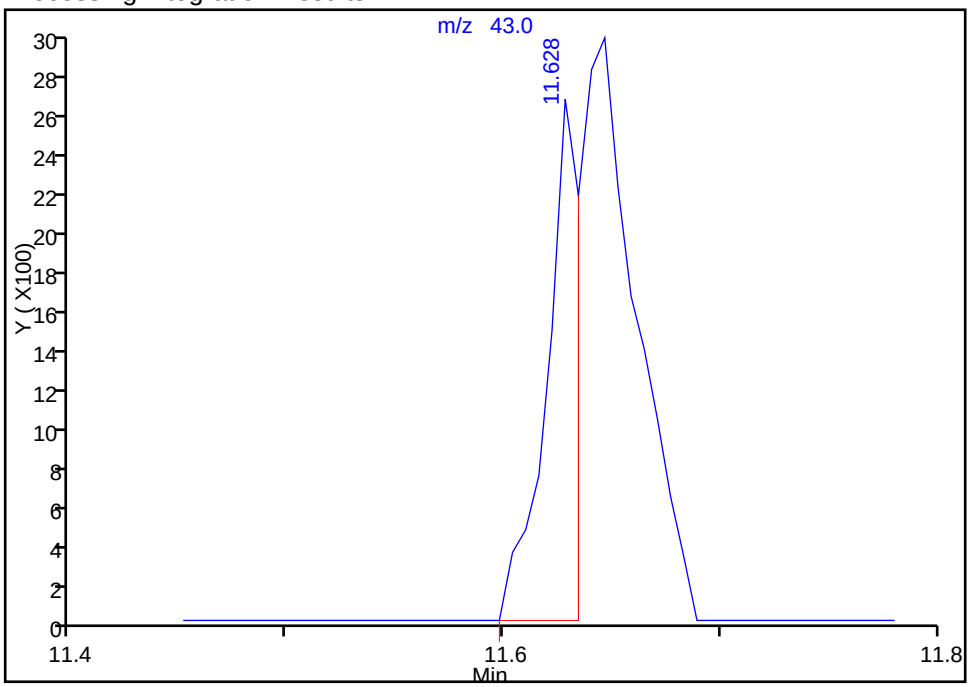
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2247.D
Injection Date: 11-Dec-2015 00:55:30 Instrument ID: HP5973P
Lims ID: MB 480-279229/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

75 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

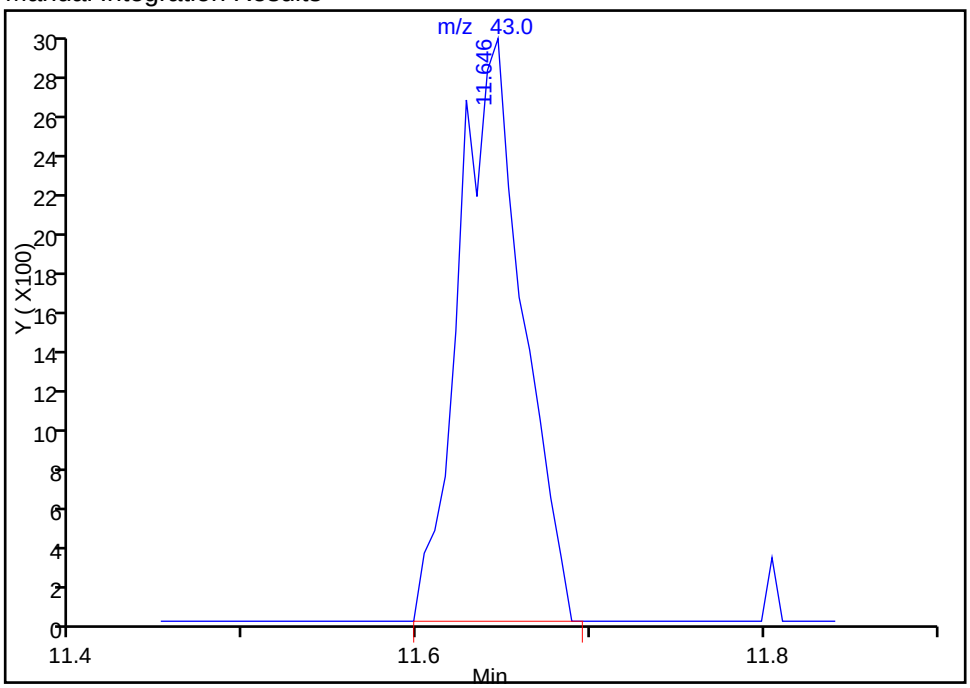
Processing Integration Results

RT: 11.63
Area: 2802
Amount: 0.277721
Amount Units: ug/L



Manual Integration Results

RT: 11.65
Area: 7443
Amount: 0.737714
Amount Units: ug/L



Reviewer: diasn, 11-Dec-2015 01:37:29
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279346/2-A

Matrix: Solid | Lab File ID: P2271.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/11/2015 14:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	8.89	J	25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279346/2-A

Matrix: Solid | Lab File ID: P2271.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/11/2015 14:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		64-126
460-00-4	4-Bromofluorobenzene (Surr)	105		72-126
2037-26-5	Toluene-d8 (Surr)	109		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2271.D
Lims ID: MB 480-279346/2-A
Client ID:
Sample Type: MB
Inject. Date: 11-Dec-2015 14:58:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0049158-007
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 06:39:52 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 06:39:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	97	288250	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	572712	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	556681	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	92	400399	50.0	54.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	248561	50.0	55.8	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1366121	50.0	54.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	459770	50.0	52.7	
10 Dichlorodifluoromethane	85		4.036					ND	
15 Chlorodifluoromethane	51		4.042					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.577					ND	
149 Butadiene	54		4.595					ND	
12 Bromomethane	94		5.125					ND	
13 Chloroethane	64		5.252					ND	
19 Dichlorofluoromethane	67		5.557					ND	
14 Trichlorofluoromethane	101		5.672					ND	
146 Ethanol	45		5.843					ND	
20 Ethyl ether	59	5.958	5.958	0.000	93	1904		0.2333	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.220					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305					ND	
25 1,1-Dichloroethene	96		6.378					ND	
24 Acetone	43	6.390	6.396	-0.006	97	29550		8.95	
23 Isopropyl alcohol	45		6.506					ND	
18 Iodomethane	142		6.627					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.779					ND	
29 Acetonitrile	40		6.798					ND	
33 2-Methyl-2-propanol	59		7.004					ND	
32 Methyl tert-butyl ether	73		7.223					ND	
34 Acrylonitrile	53		7.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 trans-1,2-Dichloroethene	96		7.296					ND	
36 Hexane	57	7.534	7.534	0.000	83	15524		0.9769	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.747					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.911					ND	
42 Tert-butyl ethyl ether	59		8.185					ND	
46 Ethyl acetate	43		8.465					ND	
44 2-Butanone (MEK)	43		8.477					ND	
43 cis-1,2-Dichloroethene	96		8.525					ND	
45 2,2-Dichloropropane	77		8.531					ND	
47 Propionitrile	54		8.599					ND	
48 Methacrylonitrile	41		8.769					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.872					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.146					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.292					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.353					ND	
145 t-Amyl alcohol	59		9.426					ND	
150 Isooctane	57		9.554					ND	
58 Tert-amyl methyl ether	73		9.590					ND	
57 Benzene	78		9.596					ND	
60 1,2-Dichloroethane	62		9.620					ND	
59 n-Heptane	43		9.712					ND	
1 1,4-Difluorobenzene	114		9.967					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.326					ND	
62 Trichloroethene	95		10.350					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.582					ND	
65 Methyl methacrylate	41		10.624					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.782					ND	
69 Dibromomethane	93		10.849					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.257					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	41	6147		0.6478	M
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 Tetrachloroethene	166		12.717					ND	
83 2-Hexanone	43	12.723	12.723	0.000	96	8283		1.27	
82 1,3-Dichloropropane	76		12.753					ND	
156 n-Butyl acetate	43	12.808	12.808	0.000	97	8130		0.4953	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.295					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.879					ND	
89 Ethylbenzene	91		13.946					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.633					ND	
94 Styrene	104		14.651					ND	
91 2-Chlorobenzotrifluoride	180		14.938					ND	
92 Bromoform	173		15.010					ND	
95 Isopropylbenzene	105		15.077					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
100 Bromobenzene	156		15.594					ND	
101 1,2,3-Trichloropropane	110		15.594					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
102 1,3,5-Trimethylbenzene	105		15.801					ND	
104 3-Chlorotoluene	126	15.929	15.862	0.067	90	454		NC	
106 tert-Butylbenzene	134		16.239					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	96	12396		0.3442	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.824	16.878	-0.054	45	10631		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.347					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
119 1,2,4-Trichlorobenzene	180		19.409					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.817	19.810	0.007	97	24612		0.8871	
122 1,2,3-Trichlorobenzene	180	20.170	20.169	0.001	90	2646		0.2330	
147 2-Methylnaphthalene	142	21.642	21.642	0.000	61	4903		3.18	
155 Ethylene oxide TIC	1		0.000					ND	
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

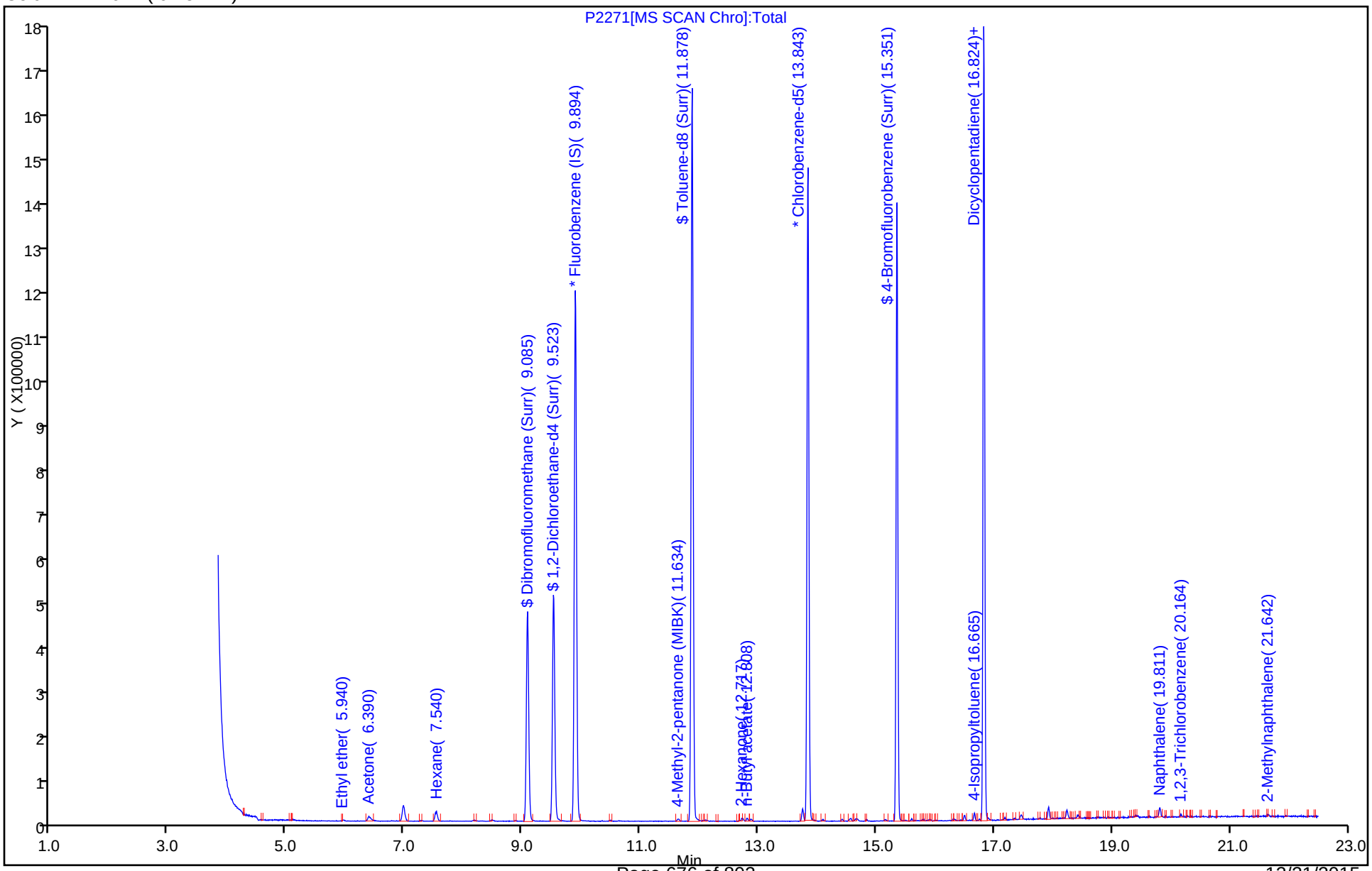
Report Date: 12-Dec-2015 06:39:54 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2271.D

Injection Date:	11-Dec-2015 14:58:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	MB 480-279346/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

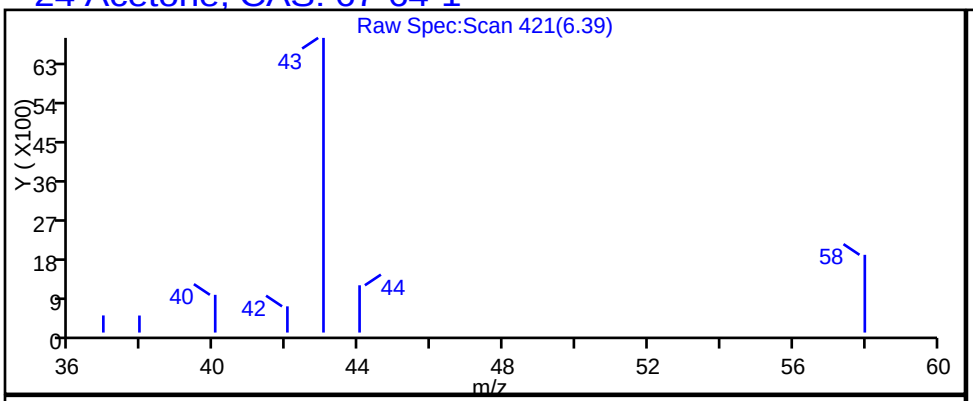
Column: ZB-624 (0.25 mm)

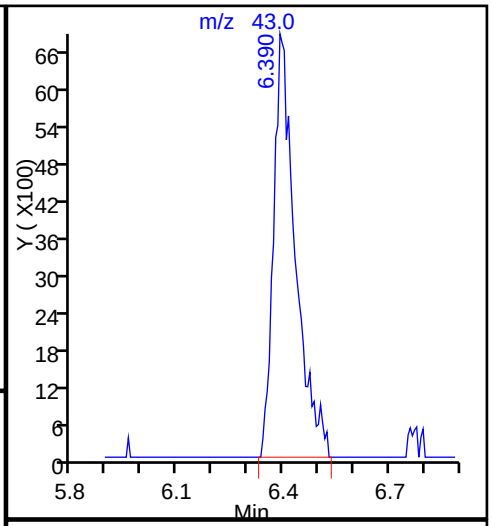


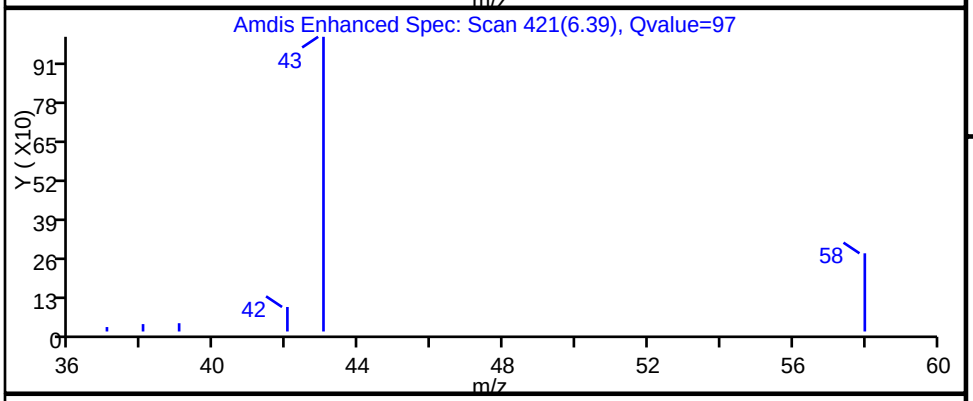
TestAmerica Buffalo

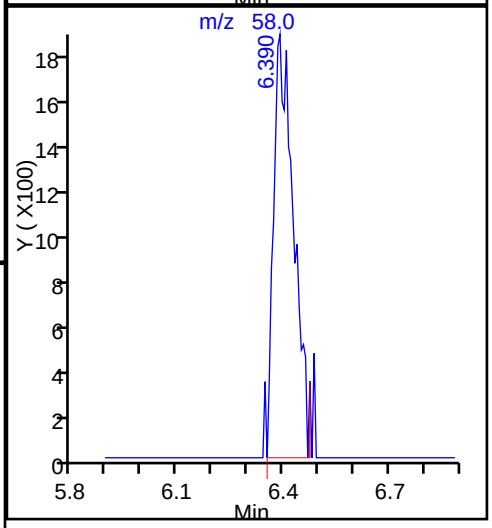
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2271.D
Injection Date: 11-Dec-2015 14:58:30 Instrument ID: HP5973P
Lims ID: MB 480-279346/2-A
Client ID:
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

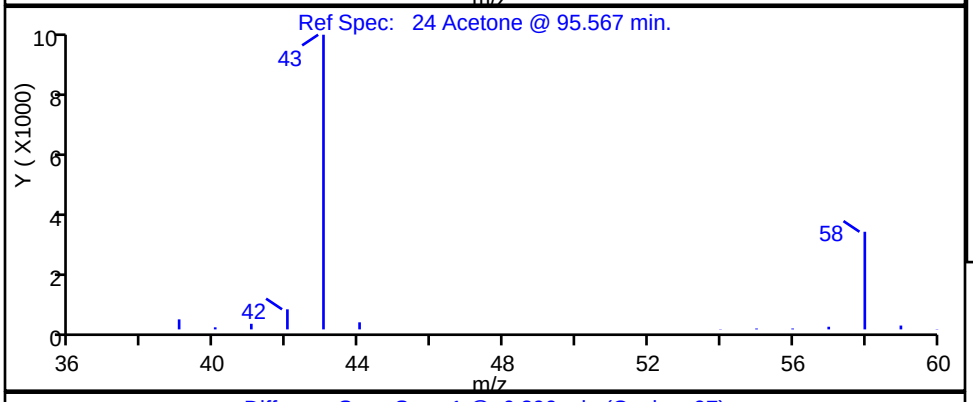
24 Acetone, CAS: 67-64-1

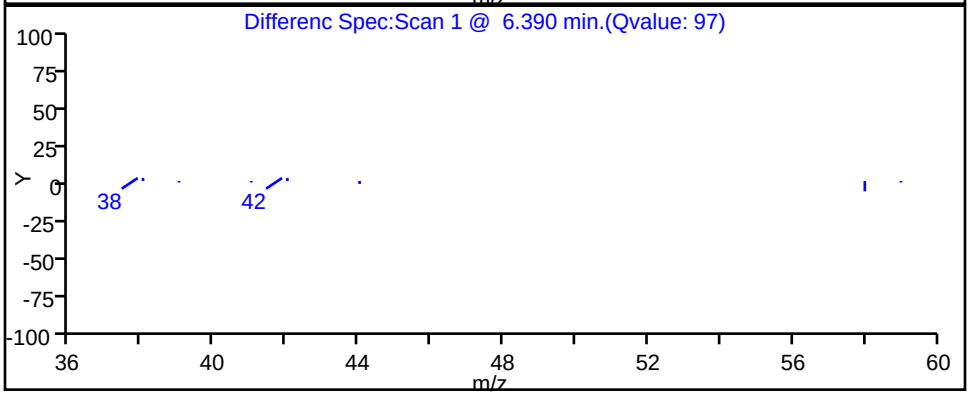












Manual Integration/User Assign Peak Report

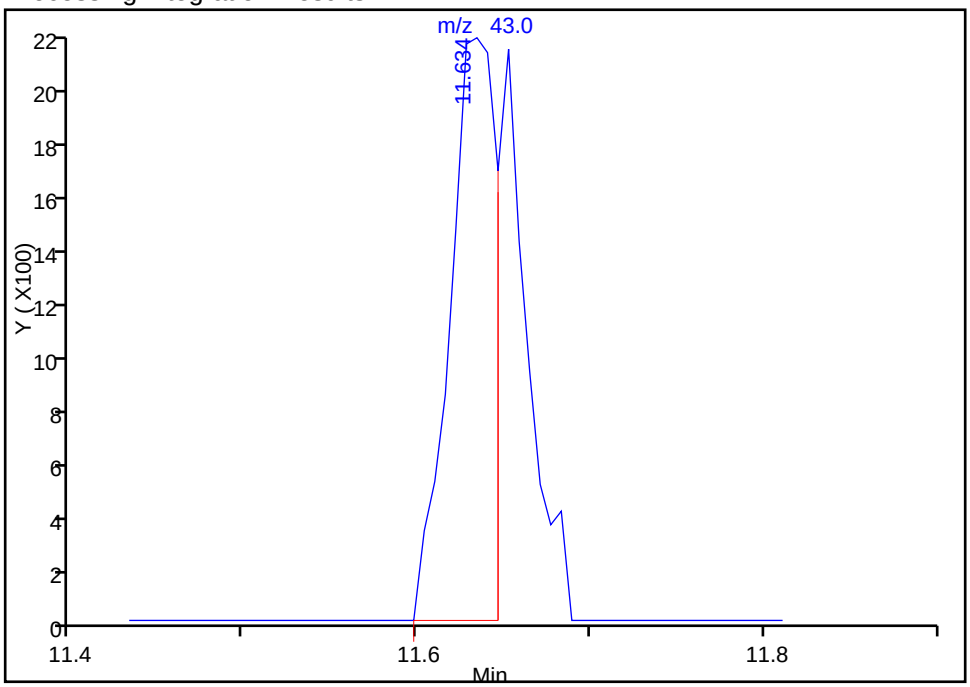
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2271.D
Injection Date: 11-Dec-2015 14:58:30 Instrument ID: HP5973P
Lims ID: MB 480-279346/2-A
Client ID:
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

75 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

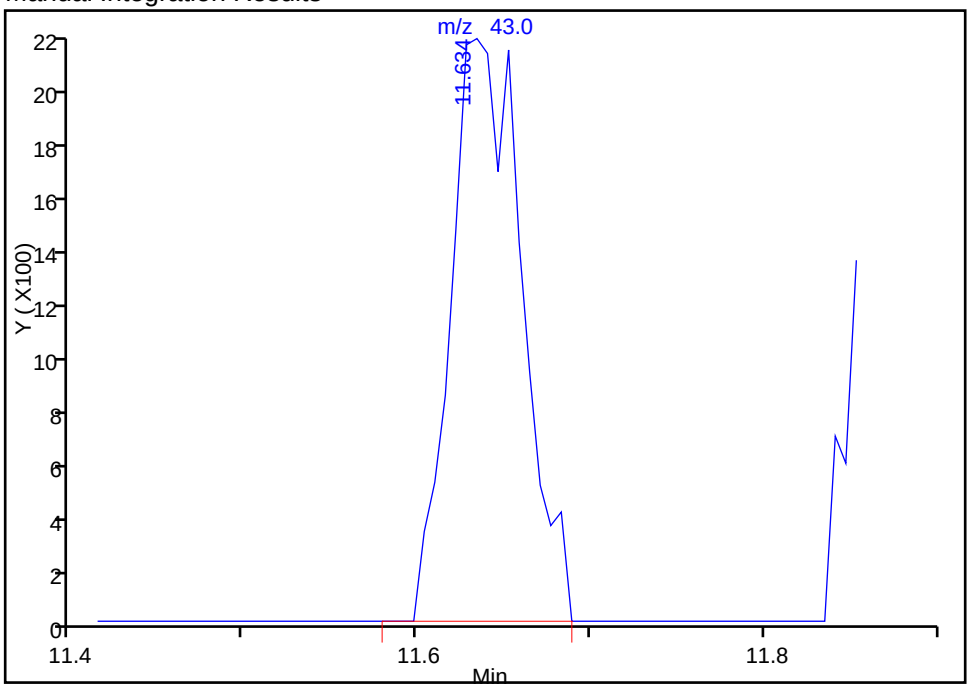
Processing Integration Results

RT: 11.63
Area: 4073
Amount: 0.429256
Amount Units: ug/L



Manual Integration Results

RT: 11.63
Area: 6147
Amount: 0.647836
Amount Units: ug/L



Reviewer: cwiklinc, 12-Dec-2015 06:39:52
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279401/2-A

Matrix: Solid | Lab File ID: N5571.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.06(g) | Date Analyzed: 12/12/2015 12:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		99	27
79-34-5	1,1,2,2-Tetrachloroethane	ND		99	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		99	49
79-00-5	1,1,2-Trichloroethane	ND		99	21
75-34-3	1,1-Dichloroethane	ND		99	31
75-35-4	1,1-Dichloroethene	ND		99	34
120-82-1	1,2,4-Trichlorobenzene	ND		99	37
96-12-8	1,2-Dibromo-3-Chloropropane	ND		99	49
106-93-4	1,2-Dibromoethane	ND		99	17
95-50-1	1,2-Dichlorobenzene	ND		99	25
107-06-2	1,2-Dichloroethane	ND		99	40
78-87-5	1,2-Dichloropropane	ND		99	16
541-73-1	1,3-Dichlorobenzene	ND		99	26
106-46-7	1,4-Dichlorobenzene	ND		99	14
78-93-3	2-Butanone (MEK)	ND		490	290
591-78-6	2-Hexanone	ND		490	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		490	32
67-64-1	Acetone	ND		490	410
71-43-2	Benzene	ND		99	19
75-27-4	Bromodichloromethane	ND		99	20
75-25-2	Bromoform	ND		99	49
74-83-9	Bromomethane	ND		99	22
75-15-0	Carbon disulfide	ND		99	45
56-23-5	Carbon tetrachloride	ND		99	25
108-90-7	Chlorobenzene	ND		99	13
75-00-3	Chloroethane	ND		99	21
67-66-3	Chloroform	ND		99	68
74-87-3	Chloromethane	ND		99	24
156-59-2	cis-1,2-Dichloroethene	ND		99	27
10061-01-5	cis-1,3-Dichloropropene	ND		99	24
110-82-7	Cyclohexane	ND		99	22
124-48-1	Dibromochloromethane	ND		99	48
75-71-8	Dichlorodifluoromethane	ND		99	43
100-41-4	Ethylbenzene	ND		99	29
98-82-8	Isopropylbenzene	ND		99	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279401/2-A

Matrix: Solid | Lab File ID: N5571.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.06(g) | Date Analyzed: 12/12/2015 12:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		99	47
1634-04-4	Methyl tert-butyl ether	ND		99	37
108-87-2	Methylcyclohexane	ND		99	46
75-09-2	Methylene Chloride	ND		99	20
100-42-5	Styrene	ND		99	24
127-18-4	Tetrachloroethene	ND		99	13
108-88-3	Toluene	ND		99	26
156-60-5	trans-1,2-Dichloroethene	ND		99	23
10061-02-6	trans-1,3-Dichloropropene	ND		99	9.7
79-01-6	Trichloroethene	ND		99	27
75-69-4	Trichlorofluoromethane	ND		99	46
75-01-4	Vinyl chloride	ND		99	33
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		53-146
460-00-4	4-Bromofluorobenzene (Surr)	94		49-148
2037-26-5	Toluene-d8 (Surr)	95		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5571.D
Lims ID: MB 480-279401/2-A
Client ID:
Sample Type: MB
Inject. Date: 12-Dec-2015 12:39:30 ALS Bottle#: 34 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb 480-279401/2-a
Misc. Info.: 480-0049180-007
Operator ID: GTG Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 13:03:48 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: goliszekg Date: 12-Dec-2015 13:03:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	112947	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	412331	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.971	10.970	0.000	97	194745	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	5.003	5.002	0.001	93	111045	25.0	23.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.313	5.313	0.000	0	158737	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	7.114	7.113	0.001	93	420253	25.0	23.8	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	90	124537	25.0	23.4	
11 Dichlorodifluoromethane	85		1.371					ND	
12 Chlorodifluoromethane	51		1.395					ND	
13 Chloromethane	50		1.541					ND	
14 Vinyl chloride	62		1.644					ND	
144 Butadiene	54		1.681					ND	
15 Bromomethane	94		1.973					ND	
16 Chloroethane	64		2.076					ND	
17 Dichlorofluoromethane	67		2.295					ND	
18 Trichlorofluoromethane	101		2.307					ND	
141 Ethanol	45		2.587					ND	
19 Ethyl ether	59		2.599					ND	
81 Propene oxide	58		2.679					ND	
20 Acrolein	56		2.758					ND	
22 1,1-Dichloroethene	96		2.818					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.837					ND	
23 Acetone	43		2.916					ND	
24 Iodomethane	142		2.983					ND	
25 Carbon disulfide	76		3.025					ND	
26 Isopropyl alcohol	45		3.104					ND	
27 3-Chloro-1-propene	41		3.183					ND	
29 Acetonitrile	40		3.220					ND	
28 Methyl acetate	43		3.226					ND	
30 Methylene Chloride	84		3.329					ND	
31 2-Methyl-2-propanol	59		3.482					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.555					ND	
33 trans-1,2-Dichloroethene	96		3.567					ND	
34 Acrylonitrile	53		3.591					ND	
35 Hexane	57		3.786					ND	
36 1,1-Dichloroethane	63		3.980					ND	
37 Isopropyl ether	45		4.011					ND	
39 Vinyl acetate	43		4.029					ND	
38 2-Chloro-1,3-butadiene	53		4.047					ND	
40 1,1-Dimethoxyethane	75		4.078					ND	
41 Tert-butyl ethyl ether	59		4.351					ND	
42 2,2-Dichloropropane	77		4.510					ND	
43 cis-1,2-Dichloroethene	96		4.534					ND	
44 2-Butanone (MEK)	43		4.558					ND	
45 Ethyl acetate	43		4.601					ND	
46 Propionitrile	54		4.650					ND	
47 Chlorobromomethane	128		4.765					ND	
48 Methacrylonitrile	67		4.771					ND	
49 Tetrahydrofuran	42		4.802					ND	
50 Chloroform	83		4.844					ND	
51 1,1,1-Trichloroethane	97		4.978					ND	
52 Cyclohexane	56		5.002					ND	
53 Carbon tetrachloride	117		5.124					ND	
54 1,1-Dichloropropene	75		5.130					ND	
56 Isobutyl alcohol	43		5.313					ND	
55 Benzene	78		5.331					ND	
146 Isooctane	57		5.349					ND	
140 t-Amyl alcohol	59		5.380					ND	
57 1,2-Dichloroethane	62		5.380					ND	
58 Tert-amyl methyl ether	73		5.416					ND	
59 n-Heptane	43		5.532					ND	
1 1,4-Difluorobenzene	114		5.702					ND	
61 n-Butanol	56		5.939					ND	
60 Trichloroethene	95		5.939					ND	
145 Ethyl acrylate	55		6.055					ND	
62 Methylcyclohexane	83		6.079					ND	
63 1,2-Dichloropropane	63		6.171					ND	
65 Methyl methacrylate	41		6.274					ND	
64 Dibromomethane	93		6.304					ND	
66 1,4-Dioxane	88		6.317					ND	
67 Dichlorobromomethane	83		6.456					ND	
68 2-Nitropropane	43		6.694					ND	
69 2-Chloroethyl vinyl ether	63		6.736					ND	
70 Epichlorohydrin	57		6.821					ND	
71 cis-1,3-Dichloropropene	75		6.882					ND	
72 4-Methyl-2-pentanone (MIBK	58		7.016					ND	
73 Toluene	92		7.180					ND	
74 2-Methylthiophene	97		7.314					ND	
75 trans-1,3-Dichloropropene	75		7.442					ND	
76 3-Methylthiophene	97		7.478					ND	
77 Ethyl methacrylate	69		7.497					ND	
78 1,1,2-Trichloroethane	83		7.631					ND	
79 Tetrachloroethene	166		7.722					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.795					ND	
82 2-Hexanone	43		7.856					ND	
149 n-Butyl acetate	43		7.977					ND	
83 Chlorodibromomethane	129		8.032					ND	
84 Ethylene Dibromide	107		8.142					ND	
139 1-Chlorohexane	55		8.580					ND	
86 3-Chlorobenzotrifluoride	180		8.592					ND	
85 Chlorobenzene	112		8.628					ND	
87 4-Chlorobenzotrifluoride	180		8.653					ND	
89 1,1,1,2-Tetrachloroethane	131		8.720					ND	
88 Ethylbenzene	91		8.726					ND	
90 m-Xylene & p-Xylene	106		8.847					ND	
91 o-Xylene	106		9.273					ND	
92 Styrene	104		9.297					ND	
93 Bromoform	173		9.535					ND	
94 2-Chlorobenzotrifluoride	180		9.571					ND	
95 Isopropylbenzene	105		9.656					ND	
96 Cyclohexanone	55		9.796					ND	
97 Bromobenzene	156		9.991					ND	
98 1,1,2,2-Tetrachloroethane	83		10.027					ND	
99 1,2,3-Trichloropropane	110		10.058					ND	
100 N-Propylbenzene	91		10.076					ND	
101 trans-1,4-Dichloro-2-buten	53		10.076					ND	
102 2-Chlorotoluene	126		10.173					ND	
103 3-Chlorotoluene	126		10.240					ND	
104 1,3,5-Trimethylbenzene	105		10.253					ND	
105 4-Chlorotoluene	91		10.283					ND	
106 tert-Butylbenzene	134		10.569					ND	
107 Pentachloroethane	167		10.618					ND	
108 1,2,4-Trimethylbenzene	105		10.618					ND	
109 sec-Butylbenzene	105		10.776					ND	
110 1,3-Dichlorobenzene	146		10.904					ND	
111 4-Isopropyltoluene	119		10.916					ND	
112 Dicyclopentadiene	66		10.983					ND	
113 1,4-Dichlorobenzene	146		10.989					ND	
114 1,2,3-Trimethylbenzene	105		11.025					ND	
143 Benzyl chloride	126		11.135					ND	
115 n-Butylbenzene	91		11.299					ND	
116 1,2-Dichlorobenzene	146		11.342					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.059					ND	
118 1,3,5-Trichlorobenzene	180		12.205					ND	
119 1,2,4-Trichlorobenzene	180		12.747					ND	
120 Hexachlorobutadiene	225		12.862					ND	
121 Naphthalene	128		12.960					ND	
122 1,2,3-Trichlorobenzene	180		13.161					ND	
142 2-Methylnaphthalene	142		13.872					ND	
138 1-Bromopropane	1		0.000					ND	
133 Halothane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

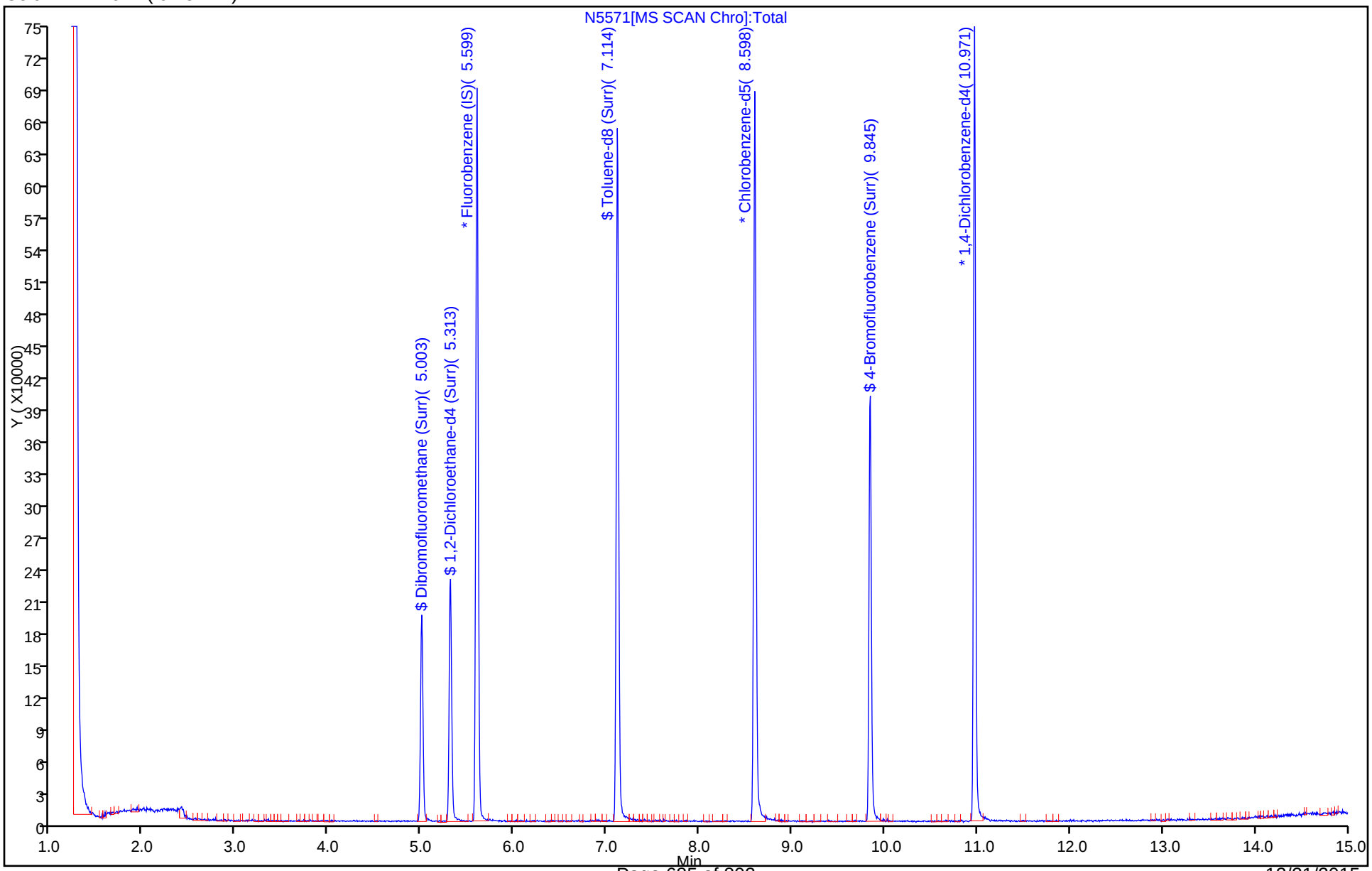
Report Date: 12-Dec-2015 13:03:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5571.D

Injection Date:	12-Dec-2015 12:39:30	Instrument ID:	HP5973N	Operator ID:	GTG
Lims ID:	MB 480-279401/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279448/2-A

Matrix: Solid | Lab File ID: P2293.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 12/12/2015 09:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.64
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.5
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.39
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.5
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.69
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.66
75-25-2	Bromoform	ND		4.9	2.5
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.5
56-23-5	Carbon tetrachloride	ND		4.9	0.48
108-90-7	Chlorobenzene	ND		4.9	0.65
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.71
110-82-7	Cyclohexane	ND		4.9	0.69
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.41
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279448/2-A

Matrix: Solid | Lab File ID: P2293.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 12/12/2015 09:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	3.0
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.75
75-09-2	Methylene Chloride	ND		4.9	2.3
100-42-5	Styrene	ND		4.9	0.25
127-18-4	Tetrachloroethene	ND		4.9	0.66
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.2
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.47
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126
2037-26-5	Toluene-d8 (Surr)	103		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2293.D
Lims ID: MB 480-279448/2-A
Client ID:
Sample Type: MB
Inject. Date: 12-Dec-2015 09:47:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279448/2-A
Misc. Info.: 480-0049177-007
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 08:57:23 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: cwiklinc Date: 12-Dec-2015 10:17:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	301503	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.836	0.006	90	607700	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	598928	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.079	0.012	92	388370	50.0	50.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	239200	50.0	51.3	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	1374639	50.0	51.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	459429	50.0	49.6	
10 Dichlorodifluoromethane	85		4.036					ND	
15 Chlorodifluoromethane	51		4.042					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.571					ND	
149 Butadiene	54		4.590					ND	
12 Bromomethane	94		5.119					ND	
13 Chloroethane	64		5.253					ND	
19 Dichlorofluoromethane	67		5.557					ND	
14 Trichlorofluoromethane	101		5.672					ND	
146 Ethanol	45		5.849					ND	
20 Ethyl ether	59		5.958					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.214					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305					ND	
25 1,1-Dichloroethene	96		6.372					ND	
24 Acetone	43		6.390					ND	
23 Isopropyl alcohol	45		6.500					ND	
18 Iodomethane	142		6.628					ND	
30 Methyl acetate	43		6.761					ND	
27 Carbon disulfide	76		6.774					ND	
29 Acetonitrile	40		6.804					ND	
28 3-Chloro-1-propene	41		6.804					ND	
33 2-Methyl-2-propanol	59		7.005					ND	
32 Methyl tert-butyl ether	73		7.224					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		7.272					ND	
35 trans-1,2-Dichloroethene	96		7.303					ND	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.741					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.911					ND	
42 Tert-butyl ethyl ether	59		8.185					ND	
46 Ethyl acetate	43		8.465					ND	
44 2-Butanone (MEK)	43		8.471					ND	
43 cis-1,2-Dichloroethene	96		8.526					ND	
45 2,2-Dichloropropane	77		8.532					ND	
47 Propionitrile	54		8.599					ND	
48 Methacrylonitrile	41		8.769					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.140					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.286					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.420					ND	
150 Isooctane	57		9.548					ND	
58 Tert-amyl methyl ether	73		9.584					ND	
57 Benzene	78		9.596					ND	
60 1,2-Dichloroethane	62		9.621					ND	
59 n-Heptane	43		9.712					ND	
1 1,4-Difluorobenzene	114		9.967					ND	
61 n-Butanol	56		10.083					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.326					ND	
62 Trichloroethene	95		10.351					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.582					ND	
65 Methyl methacrylate	41		10.624					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.777					ND	
69 Dibromomethane	93		10.850					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.257					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.231					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	
80 Tetrachloroethene	166		12.711					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
83 2-Hexanone	43	12.735	12.723	0.012	94	5168		0.7456	
82 1,3-Dichloropropane	76		12.748					ND	
156 n-Butyl acetate	43		12.808					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.289					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.751					ND	
87 Chlorobenzene	112		13.879					ND	
88 1,1,1,2-Tetrachloroethane	131		13.958					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.634					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.932					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.552					ND	
100 Bromobenzene	156		15.595					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
102 1,3,5-Trimethylbenzene	105		15.802					ND	
104 3-Chlorotoluene	126		15.862					ND	
105 4-Chlorotoluene	126		15.923					ND	
106 tert-Butylbenzene	134		16.240					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
109 sec-Butylbenzene	105		16.507					ND	
112 4-Isopropyltoluene	119		16.659					ND	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.823	16.878	-0.055	46	12046		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.341					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.810	19.811	-0.001	98	23442		0.8078	
122 1,2,3-Trichlorobenzene	180	20.169	20.170	-0.001	88	2531		0.2131	
147 2-Methylnaphthalene	142	21.642	21.642	0.000	91	6417		3.28	
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 Xylenes, Total	1		30.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

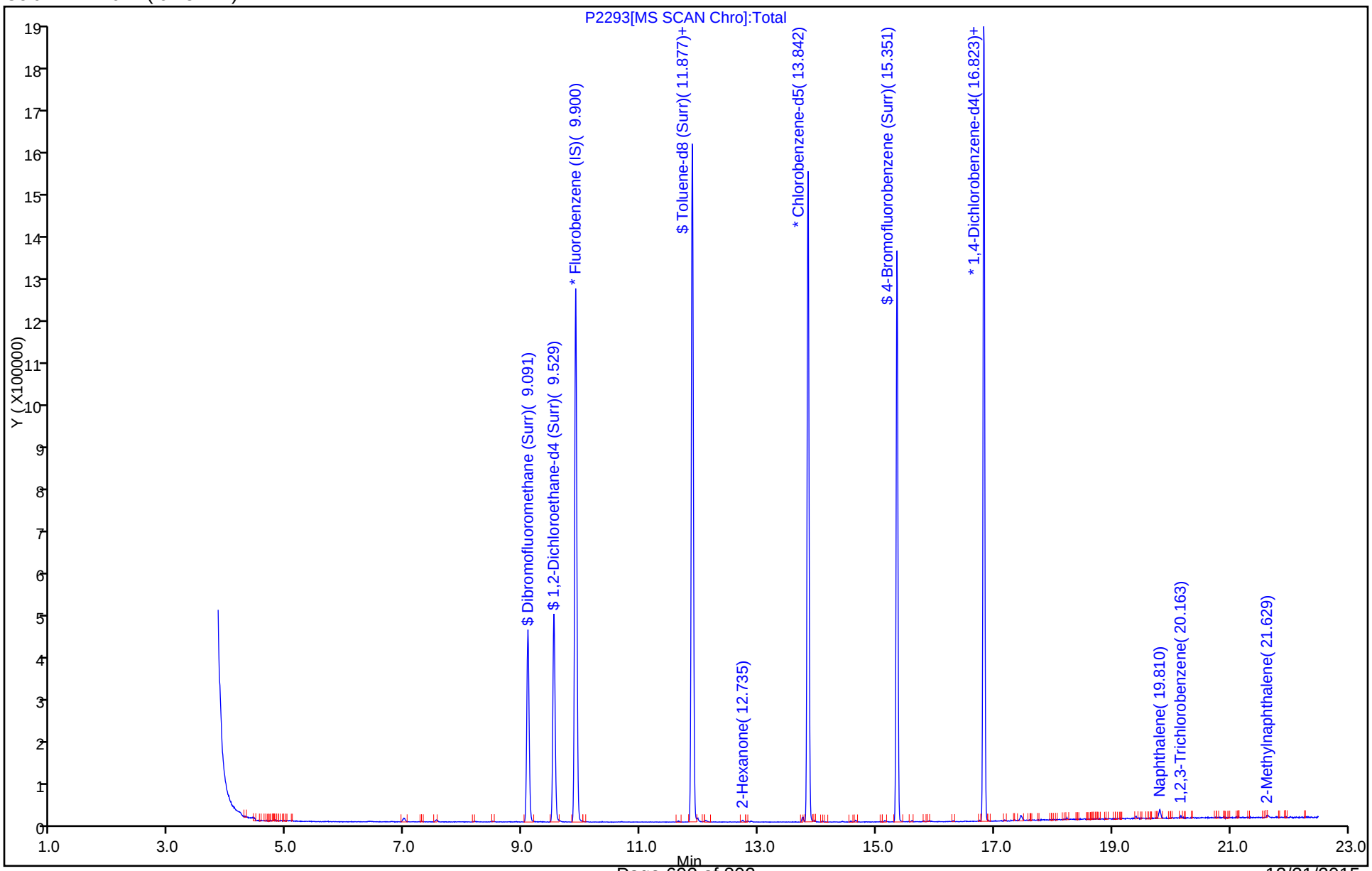
Report Date: 18-Dec-2015 16:35:26 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2293.D

Injection Date:	12-Dec-2015 09:47:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	MB 480-279448/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280006/6

Matrix: Water | Lab File ID: C59695.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/16/2015 11:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 280006 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280006/6

Matrix: Water | Lab File ID: C59695.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/16/2015 11:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 280006 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59695.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 16-Dec-2015 11:45:30 ALS Bottle#: 34 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0049281-006
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 12:05:29 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: goliszekg Date: 16-Dec-2015 12:05:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	121933	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	263621	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	247389	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	163935	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	100122	25.0	25.8	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	543059	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	188178	25.0	24.6	
10 Dichlorodifluoromethane	85		4.436					ND	
11 Chlorodifluoromethane	51		4.483					ND	
12 Chloromethane	50		4.839					ND	
13 Vinyl chloride	62		5.076					ND	
151 Butadiene	54		5.124					ND	
14 Bromomethane	94		5.681					ND	
15 Chloroethane	64		5.812					ND	
16 Dichlorofluoromethane	67		6.096					ND	
17 Trichlorofluoromethane	101		6.155					ND	
148 Ethanol	45		6.416					ND	
18 Ethyl ether	59		6.476					ND	
19 Propene oxide	58		6.630					ND	
20 Acrolein	56		6.725					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748					ND	
22 1,1-Dichloroethene	96		6.808					ND	
23 Acetone	43		6.867					ND	
24 Isopropyl alcohol	45		6.974					ND	
25 Iodomethane	142		7.045					ND	
26 Carbon disulfide	76		7.140					ND	
27 Methyl acetate	43		7.163					ND	
28 3-Chloro-1-propene	41		7.187					ND	
29 Acetonitrile	40		7.223					ND	
30 Methylene Chloride	84		7.329					ND	
31 2-Methyl-2-propanol	59		7.353					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		7.495					ND	
34 trans-1,2-Dichloroethene	96		7.567					ND	
33 Acrylonitrile	53		7.578					ND	
35 Hexane	57		7.709					ND	
135 Halothane	117		7.863					ND	
36 Isopropyl ether	45		7.863					ND	
37 Vinyl acetate	43		7.910					ND	
38 1,1-Dimethoxyethane	75		7.958					ND	
39 1,1-Dichloroethane	63		7.970					ND	
40 2-Chloro-1,3-butadiene	53		8.017					ND	
41 Tert-butyl ethyl ether	59		8.183					ND	
42 Ethyl acetate	43		8.397					ND	
43 2-Butanone (MEK)	43		8.420					ND	
44 2,2-Dichloropropane	77		8.456					ND	
45 cis-1,2-Dichloroethene	96		8.468					ND	
46 Propionitrile	54		8.539					ND	
47 Methacrylonitrile	41		8.634					ND	
48 Chlorobromomethane	128		8.693					ND	
49 Tetrahydrofuran	42		8.693					ND	
50 Chloroform	83		8.693					ND	
51 1,1,1-Trichloroethane	97		8.871					ND	
52 Cyclohexane	56		8.907					ND	
53 Isobutyl alcohol	43		8.954					ND	
54 1,1-Dichloropropene	75		8.978					ND	
55 Carbon tetrachloride	117		9.001					ND	
147 t-Amyl alcohol	59		9.037					ND	
152 Isooctane	57		9.096					ND	
56 Tert-amyl methyl ether	73		9.132					ND	
57 Benzene	78		9.179					ND	
59 n-Heptane	43		9.191					ND	
58 1,2-Dichloroethane	62		9.203					ND	
1 1,4-Difluorobenzene	114		9.405					ND	
60 n-Butanol	56		9.452					ND	
141 2,4,4-Trimethyl-1-pentene	55		9.511					ND	
142 Ethyl acrylate	55		9.594					ND	
62 Trichloroethene	95		9.654					ND	
140 2,4,4-Trimethyl-2-pentene	97		9.654					ND	
64 Methylcyclohexane	83		9.784					ND	
63 Methyl methacrylate	41		9.784					ND	
65 1,2-Dichloropropane	63		9.855					ND	
66 1,4-Dioxane	88		9.926					ND	
67 Dibromomethane	93		9.998					ND	
68 Dichlorobromomethane	83		10.057					ND	
69 2-Chloroethyl vinyl ether	63		10.187					ND	
70 2-Nitropropane	43		10.235					ND	
72 cis-1,3-Dichloropropene	75		10.377					ND	
73 4-Methyl-2-pentanone (MIBK	43		10.413					ND	
71 Epichlorohydrin	57		10.519					ND	
74 Toluene	92		10.638					ND	
75 Ethyl methacrylate	69		10.721					ND	
76 2-Methylthiophene	97		10.768					ND	
77 trans-1,3-Dichloropropene	75		10.792					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		10.899					ND	
79 1,1,2-Trichloroethane	83		10.970					ND	
80 2-Hexanone	43		11.053					ND	
155 n-Butyl acetate	43		11.065					ND	
81 Tetrachloroethene	166		11.089					ND	
82 1,3-Dichloropropane	76		11.112					ND	
83 Chlorodibromomethane	129		11.338					ND	
84 Ethylene Dibromide	107		11.468					ND	
85 3-Chlorobenzotrifluoride	180		11.610					ND	
146 1-Chlorohexane	55		11.634					ND	
86 4-Chlorobenzotrifluoride	180		11.658					ND	
88 Ethylbenzene	91		11.800					ND	
87 Chlorobenzene	112		11.800					ND	
89 1,1,1,2-Tetrachloroethane	131		11.836					ND	
90 m-Xylene & p-Xylene	106		11.883					ND	
91 o-Xylene	106		12.227					ND	
92 Styrene	104		12.239					ND	
93 2-Chlorobenzotrifluoride	180		12.405					ND	
94 Isopropylbenzene	105		12.500					ND	
95 Bromoform	173		12.523					ND	
96 Cyclohexanone	55		12.725					ND	
97 1,1,2,2-Tetrachloroethane	83		12.796					ND	
98 trans-1,4-Dichloro-2-buten	53		12.820					ND	
99 N-Propylbenzene	91		12.844					ND	
100 1,2,3-Trichloropropane	110		12.879					ND	
101 Bromobenzene	156		12.903					ND	
102 1,3,5-Trimethylbenzene	105		12.962					ND	
103 2-Chlorotoluene	126		13.021					ND	
104 3-Chlorotoluene	126		13.057					ND	
105 4-Chlorotoluene	126		13.104					ND	
106 tert-Butylbenzene	134		13.294					ND	
107 1,2,4-Trimethylbenzene	105		13.342					ND	
108 Pentachloroethane	167		13.425					ND	
109 sec-Butylbenzene	105		13.496					ND	
110 4-Isopropyltoluene	119		13.591					ND	
111 1,3-Dichlorobenzene	146		13.733					ND	
112 1,2,3-Trimethylbenzene	105		13.780					ND	
113 1,4-Dichlorobenzene	146		13.816					ND	
114 Dicyclopentadiene	66		13.828					ND	
150 Benzyl chloride	126		13.923					ND	
115 n-Butylbenzene	91		14.006					ND	
116 1,2-Dichlorobenzene	146		14.231					ND	
117 1,2-Dibromo-3-Chloropropan	75		15.109					ND	
118 1,3,5-Trichlorobenzene	180		15.286					ND	
119 1,2,4-Trichlorobenzene	180		16.140					ND	
120 Hexachlorobutadiene	225		16.235					ND	
121 Naphthalene	128		16.579					ND	
122 1,2,3-Trichlorobenzene	180		16.947					ND	
149 2-Methylnaphthalene	142		18.524					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
137 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
138 Methyl acrylate	1		0.000					ND	
136 Hexachloroethane	117		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		5.500					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 bis(chloromethyl)ether TIC	1		0.000					ND	
T 131 Bromoethane TIC	1		0.000					ND	
T 132 Pentachloroethane TIC	1		0.000					ND	
T 133 1-Bromopropane	1		0.000					ND	
T 134 tert-amyl alcohol TIC	1		0.000					ND	

Reagents:

C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

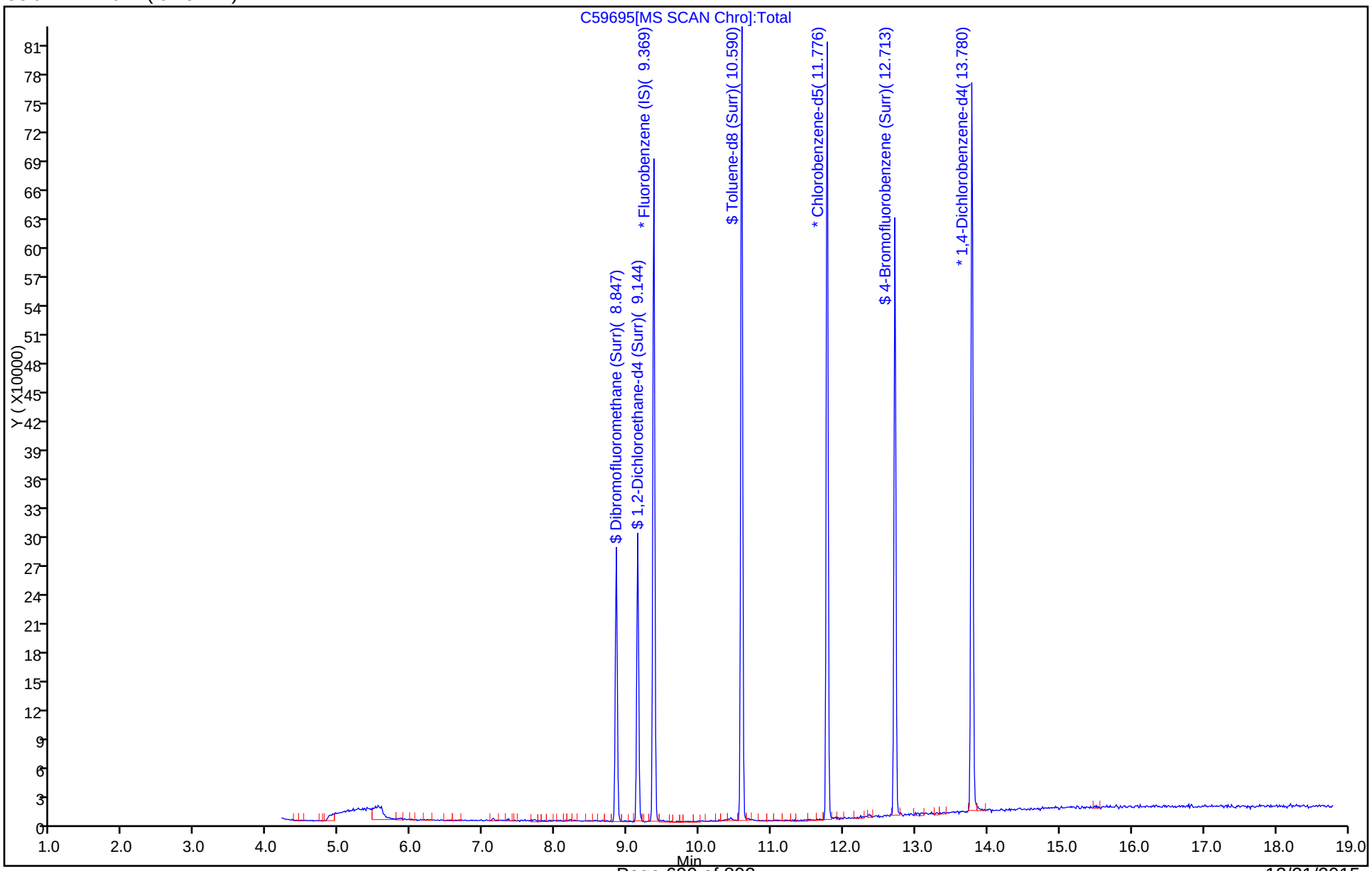
Report Date: 16-Dec-2015 12:05:30 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59695.D

Injection Date:	16-Dec-2015 11:45:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280169/2-A

Matrix: Solid | Lab File ID: S6201.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 01:07

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
79-00-5	1,1,2-Trichloroethane	ND		100	21
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	34
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
106-93-4	1,2-Dibromoethane	ND		100	17
95-50-1	1,2-Dichlorobenzene	ND		100	25
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-27-4	Bromodichloromethane	ND		100	20
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	45
56-23-5	Carbon tetrachloride	ND		100	25
108-90-7	Chlorobenzene	ND		100	13
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	68
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	27
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
110-82-7	Cyclohexane	ND		100	22
124-48-1	Dibromochloromethane	ND		100	48
75-71-8	Dichlorodifluoromethane	ND		100	43
100-41-4	Ethylbenzene	ND		100	29
98-82-8	Isopropylbenzene	ND		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280169/2-A

Matrix: Solid | Lab File ID: S6201.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 01:07

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	47
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
100-42-5	Styrene	ND		100	24
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
75-69-4	Trichlorofluoromethane	ND		100	47
75-01-4	Vinyl chloride	ND		100	33
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		53-146
460-00-4	4-Bromofluorobenzene (Surr)	92		49-148
2037-26-5	Toluene-d8 (Surr)	94		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6201.D
Lims ID: MB 480-280168/2-A
Client ID:
Sample Type: MB
Inject. Date: 17-Dec-2015 01:07:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb 480-280168/2-a
Misc. Info.: 480-0049315-009
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 01:27:28 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: fortaing Date: 17-Dec-2015 01:27:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	114096	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	231145	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	95	217022	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	53	113815	27.2	22.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	84798	27.2	24.0	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	85	522384	27.2	25.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	162840	27.2	24.9	
10 Dichlorodifluoromethane	85		1.249					ND	
11 Chlorodifluoromethane	51		1.273					ND	
12 Chloromethane	50		1.407					ND	
13 Vinyl chloride	62		1.510					ND	
151 Butadiene	54		1.535					ND	
14 Bromomethane	94		1.821					ND	
15 Chloroethane	64		1.912					ND	
16 Dichlorofluoromethane	67		2.131					ND	
17 Trichlorofluoromethane	101		2.143					ND	
148 Ethanol	45		2.405					ND	
18 Ethyl ether	59		2.423					ND	
19 Propene oxide	58		2.491					ND	
20 Acrolein	56		2.581					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648					ND	
22 1,1-Dichloroethene	96		2.654					ND	
23 Acetone	43		2.739					ND	
25 Iodomethane	142		2.812					ND	
26 Carbon disulfide	76		2.849					ND	
24 Isopropyl alcohol	45		2.916					ND	
28 3-Chloro-1-propene	41		3.001					ND	
29 Acetonitrile	40		3.025					ND	
27 Methyl acetate	43		3.044					ND	
30 Methylene Chloride	84		3.159					ND	
31 2-Methyl-2-propanol	59		3.299					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.366					ND	
34 trans-1,2-Dichloroethene	96		3.378					ND	
33 Acrylonitrile	53		3.402					ND	
35 Hexane	57		3.597					ND	
139 Halothane	117		3.760					ND	
39 1,1-Dichloroethane	63		3.792					ND	
36 Isopropyl ether	45		3.822					ND	
37 Vinyl acetate	43		3.847					ND	
40 2-Chloro-1,3-butadiene	53		3.859					ND	
38 1,1-Dimethoxyethane	75		3.885					ND	
41 Tert-butyl ethyl ether	59		4.163					ND	
44 2,2-Dichloropropane	77		4.315					ND	
45 cis-1,2-Dichloroethene	96		4.345					ND	
43 2-Butanone (MEK)	43		4.370					ND	
42 Ethyl acetate	43		4.412					ND	
46 Propionitrile	54		4.455					ND	
48 Chlorobromomethane	128		4.577					ND	
47 Methacrylonitrile	41		4.577					ND	
49 Tetrahydrofuran	42		4.607					ND	
50 Chloroform	83		4.656					ND	
51 1,1,1-Trichloroethane	97		4.783					ND	
52 Cyclohexane	56		4.808					ND	
55 Carbon tetrachloride	117		4.929					ND	
54 1,1-Dichloropropene	75		4.936					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.994					ND	
53 Isobutyl alcohol	43		5.130					ND	
57 Benzene	78		5.136					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.161					ND	
58 1,2-Dichloroethane	62		5.185					ND	
147 t-Amyl alcohol	59		5.191					ND	
56 Tert-amyl methyl ether	73		5.222					ND	
59 n-Heptane	43		5.343					ND	
1 1,4-Difluorobenzene	114		5.514					ND	
62 Trichloroethene	95		5.751					ND	
60 n-Butanol	56		5.751					ND	
142 Ethyl acrylate	55		5.866					ND	
64 Methylcyclohexane	83		5.885					ND	
65 1,2-Dichloropropane	63		5.976					ND	
63 Methyl methacrylate	41		6.085					ND	
67 Dibromomethane	93		6.110					ND	
66 1,4-Dioxane	88		6.116					ND	
68 Dichlorobromomethane	83		6.262					ND	
70 2-Nitropropane	43		6.499					ND	
69 2-Chloroethyl vinyl ether	63		6.548					ND	
71 Epichlorohydrin	57		6.625					ND	
72 cis-1,3-Dichloropropene	75		6.682					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828					ND	
74 Toluene	92		6.986					ND	
76 2-Methylthiophene	97		7.120					ND	
77 trans-1,3-Dichloropropene	75		7.247					ND	
78 3-Methylthiophene	97		7.278					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.308					ND	
79 1,1,2-Trichloroethane	83		7.436					ND	
81 Tetrachloroethene	166		7.521					ND	
82 1,3-Dichloropropane	76		7.594					ND	
80 2-Hexanone	43		7.667					ND	
155 n-Butyl acetate	43		7.789					ND	
83 Chlorodibromomethane	129		7.831					ND	
84 Ethylene Dibromide	107		7.935					ND	
146 1-Chlorohexane	55		8.385					ND	
85 3-Chlorobenzotrifluoride	180		8.397					ND	
87 Chlorobenzene	112		8.428					ND	
86 4-Chlorobenzotrifluoride	180		8.458					ND	
89 1,1,1,2-Tetrachloroethane	131		8.519					ND	
88 Ethylbenzene	91		8.525					ND	
90 m-Xylene & p-Xylene	106		8.647					ND	
91 o-Xylene	106		9.072					ND	
92 Styrene	104		9.097					ND	
95 Bromoform	173		9.328					ND	
93 2-Chlorobenzotrifluoride	180		9.371					ND	
94 Isopropylbenzene	105		9.456					ND	
96 Cyclohexanone	55		9.602					ND	
101 Bromobenzene	156		9.796					ND	
97 1,1,2,2-Tetrachloroethane	83		9.839					ND	
100 1,2,3-Trichloropropane	110		9.869					ND	
98 trans-1,4-Dichloro-2-buten	53		9.881					ND	
99 N-Propylbenzene	91		9.888					ND	
103 2-Chlorotoluene	126		9.985					ND	
104 3-Chlorotoluene	126		10.046					ND	
102 1,3,5-Trimethylbenzene	105		10.064					ND	
105 4-Chlorotoluene	126		10.094					ND	
106 tert-Butylbenzene	134		10.380					ND	
108 Pentachloroethane	167		10.429					ND	
107 1,2,4-Trimethylbenzene	105		10.435					ND	
109 sec-Butylbenzene	105		10.593					ND	
111 1,3-Dichlorobenzene	146		10.721					ND	
110 4-Isopropyltoluene	119		10.733					ND	
114 Dicyclopentadiene	66		10.800					ND	
113 1,4-Dichlorobenzene	146		10.806					ND	
112 1,2,3-Trimethylbenzene	105		10.843					ND	
150 Benzyl chloride	126		10.946					ND	
115 n-Butylbenzene	91		11.123					ND	
116 1,2-Dichlorobenzene	146		11.159					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877					ND	
118 1,3,5-Trichlorobenzene	180		12.029					ND	
119 1,2,4-Trichlorobenzene	180		12.564					ND	
120 Hexachlorobutadiene	225		12.686					ND	
121 Naphthalene	128		12.771					ND	
122 1,2,3-Trichlorobenzene	180		12.978					ND	
149 2-Methylnaphthalene	142		13.684					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 7 Ethylene oxide	44		1.528					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	

Reagents:

S_8260_IS_00131	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00121	Amount Added:	1.00	Units: uL	Run Reagent

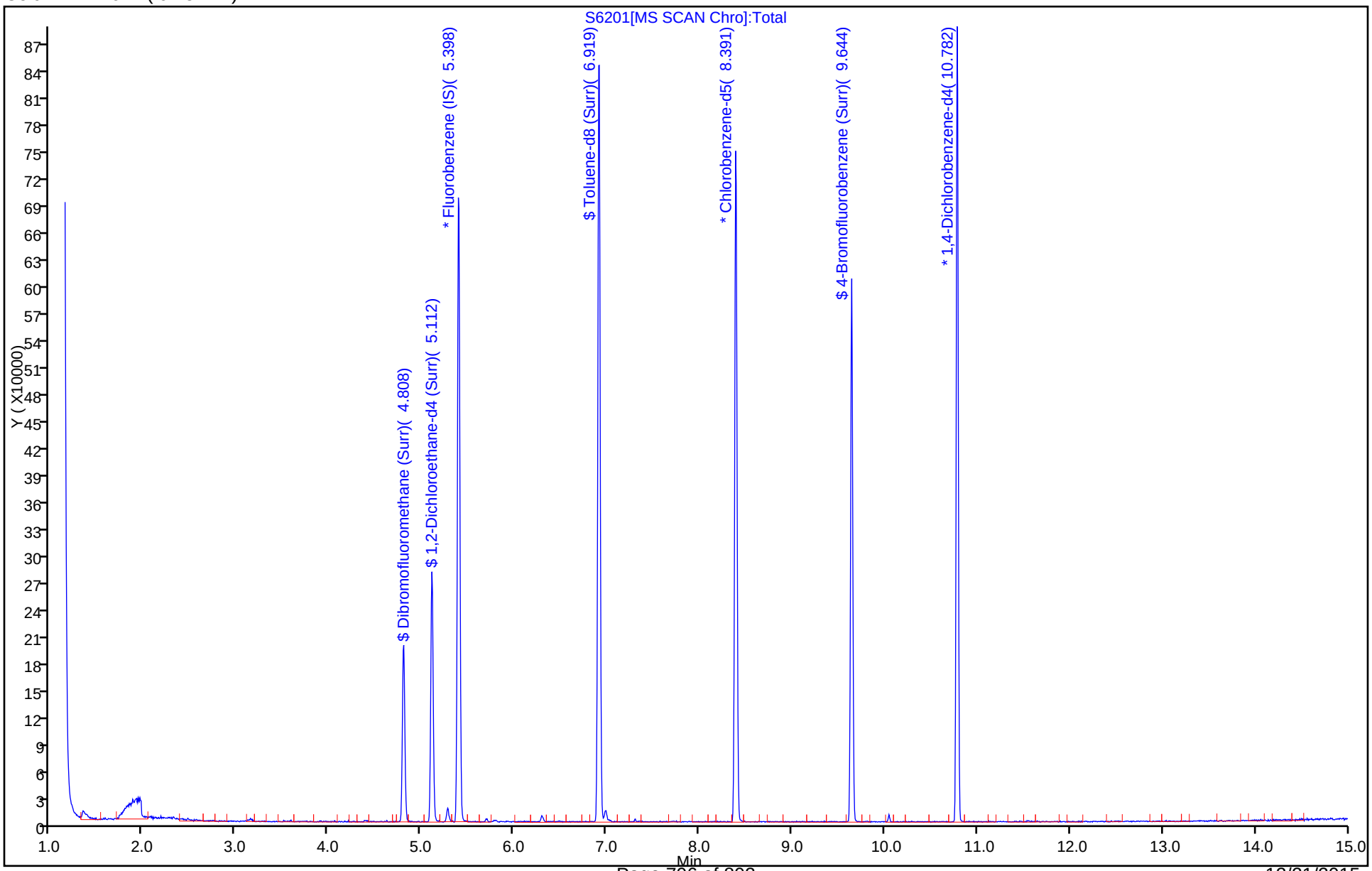
Report Date: 17-Dec-2015 01:27:29 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6201.D

Injection Date:	17-Dec-2015 01:07:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	MB 480-280168/2-A			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279119/1-A

Matrix: Solid | Lab File ID: P2221.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.06(g) | Date Analyzed: 12/10/2015 12:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279063 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	51.7		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	49.0		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	46.5		4.9	1.1
79-00-5	1,1,2-Trichloroethane	47.2		4.9	0.64
75-34-3	1,1-Dichloroethane	46.2		4.9	0.60
75-35-4	1,1-Dichloroethene	45.1		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	49.3		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	48.4		4.9	2.5
106-93-4	1,2-Dibromoethane	46.9		4.9	0.63
95-50-1	1,2-Dichlorobenzene	47.3		4.9	0.39
107-06-2	1,2-Dichloroethane	43.9		4.9	0.25
78-87-5	1,2-Dichloropropane	46.6		4.9	2.5
541-73-1	1,3-Dichlorobenzene	48.2		4.9	0.25
106-46-7	1,4-Dichlorobenzene	46.3		4.9	0.69
78-93-3	2-Butanone (MEK)	234		25	1.8
591-78-6	2-Hexanone	239		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	244		25	1.6
67-64-1	Acetone	224		25	4.2
71-43-2	Benzene	47.4		4.9	0.24
75-27-4	Bromodichloromethane	46.8		4.9	0.66
75-25-2	Bromoform	51.7		4.9	2.5
74-83-9	Bromomethane	53.8		4.9	0.44
75-15-0	Carbon disulfide	48.3		4.9	2.5
56-23-5	Carbon tetrachloride	50.8		4.9	0.48
108-90-7	Chlorobenzene	47.2		4.9	0.65
75-00-3	Chloroethane	51.5		4.9	1.1
67-66-3	Chloroform	45.2		4.9	0.31
74-87-3	Chloromethane	50.2		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	46.1		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	49.0		4.9	0.71
110-82-7	Cyclohexane	49.7		4.9	0.69
124-48-1	Dibromochloromethane	50.1		4.9	0.63
75-71-8	Dichlorodifluoromethane	46.5		4.9	0.41
100-41-4	Ethylbenzene	48.6		4.9	0.34
98-82-8	Isopropylbenzene	51.6		4.9	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279119/1-A

Matrix: Solid | Lab File ID: P2221.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.06(g) | Date Analyzed: 12/10/2015 12:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279063 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	223		4.9	3.0
1634-04-4	Methyl tert-butyl ether	46.1		4.9	0.49
108-87-2	Methylcyclohexane	50.6		4.9	0.75
75-09-2	Methylene Chloride	50.7		4.9	2.3
100-42-5	Styrene	47.8		4.9	0.25
127-18-4	Tetrachloroethene	48.9		4.9	0.66
108-88-3	Toluene	44.7		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	46.0		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	49.1		4.9	2.2
79-01-6	Trichloroethene	47.0		4.9	1.1
75-69-4	Trichlorofluoromethane	52.6		4.9	0.47
75-01-4	Vinyl chloride	52.2		4.9	0.60
1330-20-7	Xylenes, Total	96.0		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2221.D
Lims ID: LCS 480-279119/1-A
Client ID:
Sample Type: LCS
Inject. Date: 10-Dec-2015 12:20:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279119/1-A
Misc. Info.: 480-0049115-005
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Dec-2015 13:37:26 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: cwiklinc Date: 10-Dec-2015 13:37:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	332460	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	88	679891	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	96	618551	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	93	425989	50.0	50.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	262064	50.0	51.0	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	1509062	50.0	50.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	510945	50.0	49.3	
10 Dichlorodifluoromethane	85	4.036	4.036	0.000	99	497386	50.0	47.1	
11 Chloromethane	50	4.340	4.340	0.000	99	480408	50.0	50.8	
17 Vinyl chloride	62	4.577	4.565	0.012	98	395580	50.0	52.8	
149 Butadiene	54	4.589	4.596	-0.007	96	386162	50.0	56.1	
12 Bromomethane	94	5.124	5.125	-0.001	93	234430	50.0	54.4	
13 Chloroethane	64	5.252	5.253	-0.001	97	246291	50.0	52.1	
19 Dichlorofluoromethane	67	5.556	5.551	0.005	98	780675	50.0	47.5	
14 Trichlorofluoromethane	101	5.678	5.672	0.006	99	707597	50.0	53.3	
20 Ethyl ether	59	5.964	5.958	0.006	97	438809	50.0	46.6	
22 Acrolein	56	6.226	6.214	0.012	97	453771	250.0	224.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	94	521400	50.0	47.1	
25 1,1-Dichloroethene	96	6.378	6.372	0.006	94	505641	50.0	45.6	
24 Acetone	43	6.402	6.396	0.006	98	864402	250.0	226.9	
18 Iodomethane	142	6.633	6.628	0.005	100	800568	50.0	47.3	
30 Methyl acetate	43	6.773	6.767	0.006	100	1967862	250.0	225.4	
27 Carbon disulfide	76	6.779	6.774	0.005	100	1679418	50.0	48.9	
28 3-Chloro-1-propene	41	6.810	6.804	0.006	91	904701	50.0	49.3	
31 Methylene Chloride	84	6.986	6.980	0.006	94	496881	50.0	51.3	
33 2-Methyl-2-propanol	59	7.010	6.999	0.011	98	567061	500.0	458.0	
32 Methyl tert-butyl ether	73	7.229	7.224	0.005	99	1380921	50.0	46.7	
34 Acrylonitrile	53	7.278	7.272	0.006	97	1838375	500.0	460.4	
35 trans-1,2-Dichloroethene	96	7.302	7.303	-0.001	92	435634	50.0	46.5	
36 Hexane	57	7.540	7.534	0.006	95	850385	50.0	46.4	
38 Vinyl acetate	43	7.777	7.771	0.006	97	2359093	100.0	105.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	972257	50.0	46.7	
44 2-Butanone (MEK)	43	8.477	8.471	0.006	98	1331162	250.0	236.9	
43 cis-1,2-Dichloroethene	96	8.531	8.526	0.005	87	473971	50.0	46.7	
45 2,2-Dichloropropane	77	8.531	8.532	-0.001	91	722017	50.0	50.7	
50 Chlorobromomethane	128	8.848	8.842	0.006	91	226335	50.0	46.6	
51 Tetrahydrofuran	42	8.872	8.872	0.000	92	333922	100.0	91.3	
49 Chloroform	83	8.884	8.878	0.006	96	819356	50.0	45.8	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	623120	50.0	52.3	
54 Cyclohexane	56	9.219	9.213	0.006	95	1068030	50.0	50.3	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	642316	1250.0	1191.5	
56 1,1-Dichloropropene	75	9.316	9.310	0.006	91	645531	50.0	49.1	
55 Carbon tetrachloride	117	9.353	9.347	0.006	97	682808	50.0	51.5	
57 Benzene	78	9.602	9.596	0.006	98	1759059	50.0	48.0	
60 1,2-Dichloroethane	62	9.626	9.621	0.005	97	735007	50.0	44.4	
59 n-Heptane	43	9.718	9.718	0.000	97	913990	50.0	47.2	
62 Trichloroethene	95	10.356	10.351	0.005	95	472597	50.0	47.6	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	871245	50.0	51.2	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	93	502424	50.0	47.2	
68 1,4-Dioxane	88	10.782	10.789	-0.007	97	74433	1000.0	891.1	
69 Dibromomethane	93	10.855	10.850	0.005	97	273174	50.0	46.5	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	632661	50.0	47.4	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	92	226013	50.0	114.9	
73 cis-1,3-Dichloropropene	75	11.530	11.525	0.005	91	766408	50.0	49.5	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2777284	250.0	246.6	
76 Toluene	92	11.968	11.969	-0.001	97	1091624	50.0	45.2	
77 Ethyl methacrylate	69	12.200	12.194	0.006	94	539628	50.0	51.2	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	94	689299	50.0	49.7	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	94	316457	50.0	47.8	
80 Tetrachloroethene	166	12.717	12.717	0.000	94	458801	50.0	49.5	
83 2-Hexanone	43	12.723	12.723	0.000	98	1877575	250.0	242.1	
82 1,3-Dichloropropane	76	12.753	12.748	0.005	99	617981	50.0	46.0	
81 Chlorodibromomethane	129	13.094	13.094	0.000	94	458638	50.0	50.7	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	410276	50.0	47.4	
87 Chlorobenzene	112	13.885	13.879	0.006	93	1256023	50.0	47.7	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2059498	50.0	49.2	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	434399	50.0	48.6	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	869990	50.0	49.1	
93 o-Xylene	106	14.633	14.634	-0.001	95	858815	50.0	48.1	
94 Styrene	104	14.657	14.652	0.005	92	1337729	50.0	48.4	
92 Bromoform	173	15.010	15.011	-0.001	96	297628	50.0	52.3	
95 Isopropylbenzene	105	15.077	15.078	-0.001	96	2287705	50.0	52.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	514504	50.0	49.6	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	82	215192	50.0	52.4	
100 Bromobenzene	156	15.600	15.595	0.005	94	511476	50.0	47.1	
101 1,2,3-Trichloropropane	110	15.594	15.595	-0.001	74	143302	50.0	46.9	
99 N-Propylbenzene	91	15.606	15.607	-0.001	99	2449533	50.0	50.7	
103 2-Chlorotoluene	126	15.801	15.795	0.006	94	470650	50.0	48.2	
102 1,3,5-Trimethylbenzene	105	15.801	15.802	-0.001	93	1849358	50.0	50.1	
105 4-Chlorotoluene	126	15.929	15.923	0.006	99	520870	50.0	49.8	
106 tert-Butylbenzene	134	16.239	16.240	-0.001	93	400205	50.0	51.2	
107 1,2,4-Trimethylbenzene	105	16.306	16.300	0.006	97	1981100	50.0	50.6	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2556584	50.0	53.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2105181	50.0	52.6	
110 1,3-Dichlorobenzene	146	16.756	16.751	0.005	97	1017172	50.0	48.8	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	945676	50.0	46.9	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1994872	50.0	52.3	
116 1,2-Dichlorobenzene	146	17.346	17.341	0.005	95	998203	50.0	47.9	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.326	-0.006	82	111107	50.0	49.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	730362	50.0	49.9	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	433414	50.0	49.6	
121 Naphthalene	128	19.810	19.811	-0.001	98	1604926	50.0	50.2	
122 1,2,3-Trichlorobenzene	180	20.169	20.170	-0.001	95	640466	50.0	48.9	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

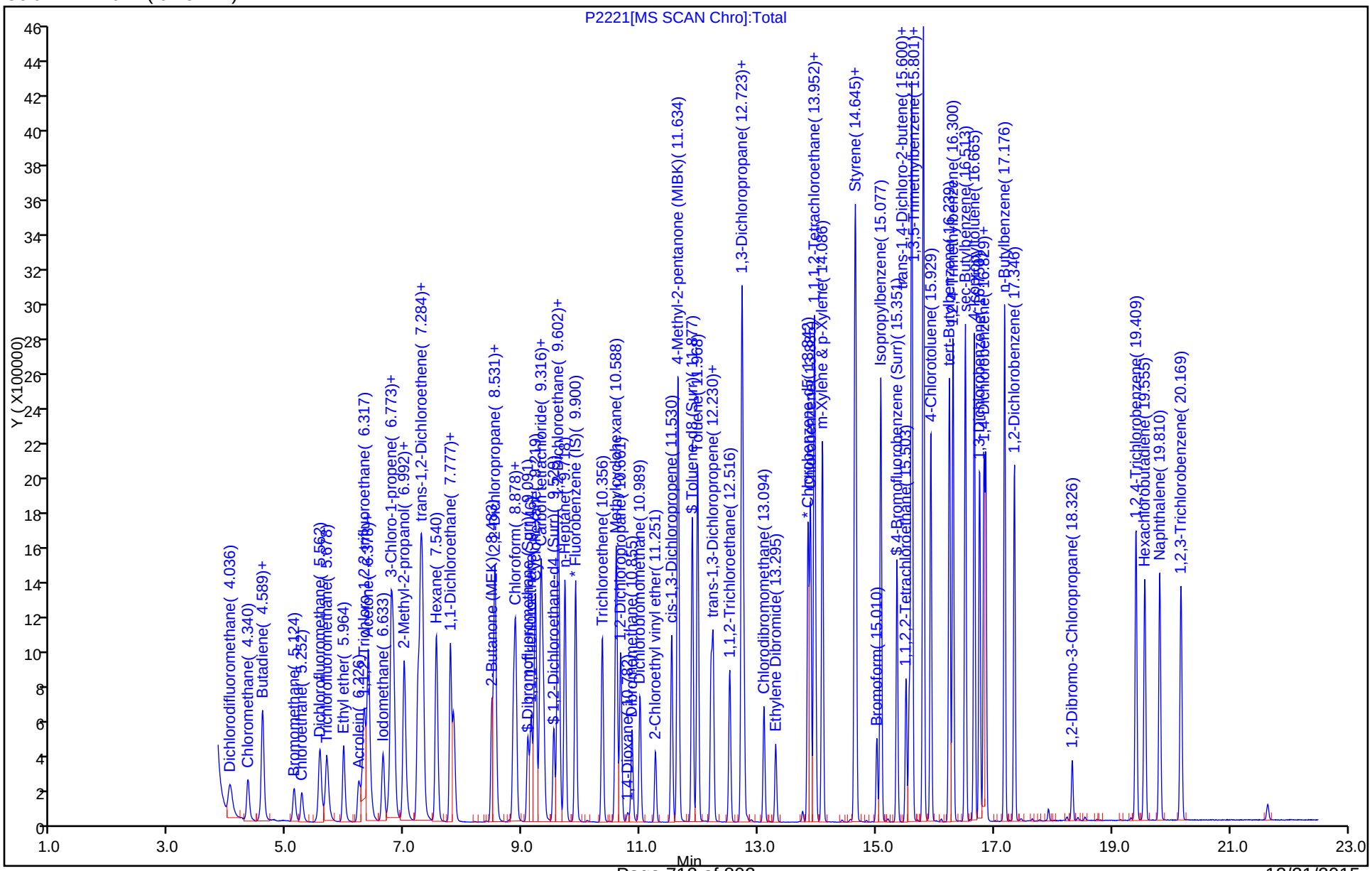
Report Date: 10-Dec-2015 13:37:27 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49115.b\P2221.D

Injection Date:	10-Dec-2015 12:20:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	LCS 480-279119/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279229/1-A

Matrix: Solid | Lab File ID: P2245.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/11/2015 00:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50.3		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	49.8		5.0	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	45.8		5.0	1.1
79-00-5	1,1,2-Trichloroethane	48.4		5.0	0.64
75-34-3	1,1-Dichloroethane	45.5		5.0	0.61
75-35-4	1,1-Dichloroethene	44.0		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	48.2		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	49.7		5.0	2.5
106-93-4	1,2-Dibromoethane	47.2		5.0	0.64
95-50-1	1,2-Dichlorobenzene	46.7		5.0	0.39
107-06-2	1,2-Dichloroethane	44.4		5.0	0.25
78-87-5	1,2-Dichloropropane	45.8		5.0	2.5
541-73-1	1,3-Dichlorobenzene	46.5		5.0	0.25
106-46-7	1,4-Dichlorobenzene	45.3		5.0	0.69
78-93-3	2-Butanone (MEK)	240		25	1.8
591-78-6	2-Hexanone	251		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	253		25	1.6
67-64-1	Acetone	237		25	4.2
71-43-2	Benzene	46.1		5.0	0.24
75-27-4	Bromodichloromethane	46.7		5.0	0.66
75-25-2	Bromoform	52.0		5.0	2.5
74-83-9	Bromomethane	51.6		5.0	0.45
75-15-0	Carbon disulfide	46.3		5.0	2.5
56-23-5	Carbon tetrachloride	50.3		5.0	0.48
108-90-7	Chlorobenzene	46.5		5.0	0.65
75-00-3	Chloroethane	49.5		5.0	1.1
67-66-3	Chloroform	45.3		5.0	0.31
74-87-3	Chloromethane	48.2		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	45.2		5.0	0.63
10061-01-5	cis-1,3-Dichloropropene	48.2		5.0	0.71
110-82-7	Cyclohexane	48.0		5.0	0.69
124-48-1	Dibromochloromethane	50.7		5.0	0.63
75-71-8	Dichlorodifluoromethane	44.3		5.0	0.41
100-41-4	Ethylbenzene	47.7		5.0	0.34
98-82-8	Isopropylbenzene	50.4		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279229/1-A

Matrix: Solid | Lab File ID: P2245.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/11/2015 00:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	228		5.0	3.0
1634-04-4	Methyl tert-butyl ether	46.3		5.0	0.49
108-87-2	Methylcyclohexane	48.8		5.0	0.75
75-09-2	Methylene Chloride	48.2		5.0	2.3
100-42-5	Styrene	47.3		5.0	0.25
127-18-4	Tetrachloroethene	47.3		5.0	0.67
108-88-3	Toluene	43.9		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	44.7		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	49.7		5.0	2.2
79-01-6	Trichloroethene	45.9		5.0	1.1
75-69-4	Trichlorofluoromethane	52.4		5.0	0.47
75-01-4	Vinyl chloride	49.8		5.0	0.61
1330-20-7	Xylenes, Total	93.3		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
2037-26-5	Toluene-d8 (Surr)	103		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2245.D
Lims ID: LCS 480-279229/1-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Dec-2015 00:01:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279229/1-A
Misc. Info.: 480-0049138-005
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 01:35:58 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 11-Dec-2015 01:35:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	316354	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	88	643481	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.830	-0.006	96	586805	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	93	407409	50.0	50.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	251066	50.0	51.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.884	-0.006	93	1443383	50.0	51.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	88	490617	50.0	50.0	
10 Dichlorodifluoromethane	85	4.024	4.042	-0.018	99	448941	50.0	44.6	
11 Chloromethane	50	4.334	4.346	-0.012	99	437080	50.0	48.6	
17 Vinyl chloride	62	4.565	4.571	-0.006	98	357426	50.0	50.2	
149 Butadiene	54	4.590	4.595	-0.005	95	350403	50.0	53.5	
12 Bromomethane	94	5.119	5.119	0.000	93	212985	50.0	52.0	
13 Chloroethane	64	5.253	5.252	0.001	96	224590	50.0	49.9	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	746451	50.0	47.8	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	98	667860	50.0	52.8	
20 Ethyl ether	59	5.964	5.958	0.006	98	415579	50.0	46.4	
22 Acrolein	56	6.220	6.214	0.006	99	440724	250.0	229.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	94	486578	50.0	46.1	
25 1,1-Dichloroethene	96	6.372	6.372	0.000	94	468462	50.0	44.4	
24 Acetone	43	6.396	6.390	0.006	98	866299	250.0	239.0	
18 Iodomethane	142	6.634	6.633	0.001	100	731631	50.0	45.4	
30 Methyl acetate	43	6.767	6.767	0.000	100	1910849	250.0	230.0	
27 Carbon disulfide	76	6.780	6.773	0.007	66	1525688	50.0	46.7	
28 3-Chloro-1-propene	41	6.810	6.804	0.006	88	811360	50.0	46.4	
31 Methylene Chloride	84	6.986	6.986	0.000	94	448292	50.0	48.6	
33 2-Methyl-2-propanol	59	7.005	7.004	0.001	98	548828	500.0	465.8	
32 Methyl tert-butyl ether	73	7.230	7.223	0.007	99	1313519	50.0	46.6	
34 Acrylonitrile	53	7.278	7.272	0.006	96	1785236	500.0	469.8	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	93	401706	50.0	45.1	
36 Hexane	57	7.534	7.534	0.000	96	759320	50.0	43.5	
38 Vinyl acetate	43	7.777	7.771	0.006	97	2252303	100.0	105.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	907558	50.0	45.9	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1292517	250.0	241.7	
43 cis-1,2-Dichloroethene	96	8.526	8.525	0.001	87	440186	50.0	45.6	
45 2,2-Dichloropropane	77	8.532	8.531	0.001	92	659189	50.0	48.7	
50 Chlorobromomethane	128	8.842	8.842	0.000	90	212446	50.0	46.0	
51 Tetrahydrofuran	42	8.872	8.866	0.006	92	325182	100.0	93.4	
49 Chloroform	83	8.885	8.878	0.007	96	778297	50.0	45.7	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	574384	50.0	50.7	
54 Cyclohexane	56	9.219	9.213	0.006	95	978290	50.0	48.4	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	618718	1250.0	1206.1	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	592651	50.0	47.4	
55 Carbon tetrachloride	117	9.353	9.347	0.006	96	640504	50.0	50.7	
57 Benzene	78	9.602	9.596	0.006	98	1619859	50.0	46.4	
60 1,2-Dichloroethane	62	9.621	9.620	0.001	97	705616	50.0	44.8	
59 n-Heptane	43	9.718	9.718	0.000	97	845522	50.0	45.8	
62 Trichloroethene	95	10.351	10.350	0.001	94	436764	50.0	46.2	
64 Methylcyclohexane	83	10.588	10.588	0.000	99	795325	50.0	49.1	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	93	467235	50.0	46.1	
68 1,4-Dioxane	88	10.789	10.782	0.007	98	67256	1000.0	850.7	
69 Dibromomethane	93	10.856	10.849	0.007	96	259396	50.0	46.4	
70 Dichlorobromomethane	83	10.996	10.989	0.007	97	597917	50.0	47.1	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	92	228306	50.0	122.0	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	715576	50.0	48.6	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2715725	250.0	254.7	
76 Toluene	92	11.975	11.969	0.006	98	1012119	50.0	44.3	
77 Ethyl methacrylate	69	12.200	12.194	0.006	93	517334	50.0	51.9	
78 trans-1,3-Dichloropropene	75	12.231	12.230	0.000	96	656677	50.0	50.1	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	305844	50.0	48.8	
80 Tetrachloroethene	166	12.717	12.711	0.006	93	418191	50.0	47.7	
83 2-Hexanone	43	12.723	12.723	0.000	98	1858320	250.0	253.2	
82 1,3-Dichloropropane	76	12.754	12.747	0.007	99	596480	50.0	46.9	
81 Chlorodibromomethane	129	13.100	13.094	0.006	91	438093	50.0	51.1	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	389863	50.0	47.6	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1167750	50.0	46.9	
89 Ethylbenzene	91	13.946	13.946	0.000	99	1905230	50.0	48.1	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	408710	50.0	48.4	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	798974	50.0	47.6	
93 o-Xylene	106	14.634	14.633	0.001	98	785989	50.0	46.5	
94 Styrene	104	14.658	14.652	0.006	95	1246421	50.0	47.6	
92 Bromoform	173	15.011	15.010	0.001	96	282296	50.0	52.4	
95 Isopropylbenzene	105	15.078	15.077	0.001	96	2110724	50.0	50.8	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	494239	50.0	50.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	88	204269	50.0	52.5	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	78	139500	50.0	48.1	
100 Bromobenzene	156	15.601	15.594	0.007	95	480109	50.0	46.6	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2273967	50.0	49.6	
103 2-Chlorotoluene	126	15.802	15.795	0.007	93	442177	50.0	47.8	
102 1,3,5-Trimethylbenzene	105	15.802	15.801	0.001	93	1703463	50.0	48.6	
105 4-Chlorotoluene	126	15.929	15.923	0.006	99	486334	50.0	49.0	
106 tert-Butylbenzene	134	16.246	16.239	0.007	93	368686	50.0	49.7	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1817991	50.0	48.9	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2369764	50.0	51.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1940205	50.0	51.1	
110 1,3-Dichlorobenzene	146	16.757	16.750	0.007	96	927338	50.0	46.9	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	94	873635	50.0	45.6	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1832147	50.0	50.6	
116 1,2-Dichlorobenzene	146	17.347	17.340	0.007	95	929535	50.0	47.0	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	107749	50.0	50.1	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	675327	50.0	48.6	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	392900	50.0	47.3	
121 Naphthalene	128	19.811	19.810	0.001	97	1522754	50.0	50.0	
122 1,2,3-Trichlorobenzene	180	20.170	20.169	0.001	95	591313	50.0	47.5	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

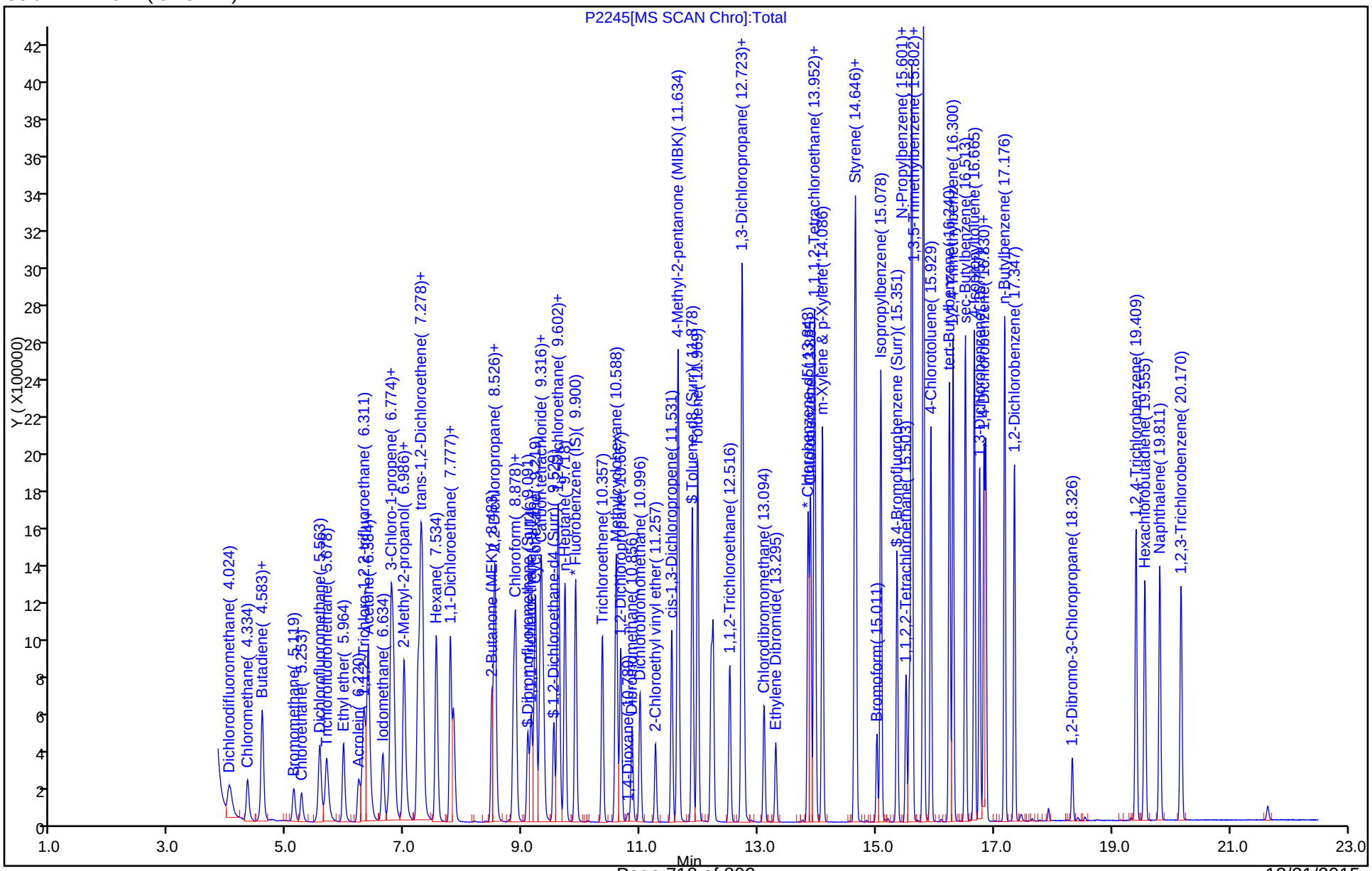
Report Date: 11-Dec-2015 01:35:59 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2245.D

Injection Date:	11-Dec-2015 00:01:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	LCS 480-279229/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279346/1-A

Matrix: Solid | Lab File ID: P2269.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/11/2015 13:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	56.8		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	50.2		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49.7		5.0	1.1
79-00-5	1,1,2-Trichloroethane	48.0		5.0	0.65
75-34-3	1,1-Dichloroethane	47.1		5.0	0.61
75-35-4	1,1-Dichloroethene	46.4		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	48.5		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	49.9		5.0	2.5
106-93-4	1,2-Dibromoethane	48.0		5.0	0.64
95-50-1	1,2-Dichlorobenzene	47.9		5.0	0.39
107-06-2	1,2-Dichloroethane	46.0		5.0	0.25
78-87-5	1,2-Dichloropropane	47.1		5.0	2.5
541-73-1	1,3-Dichlorobenzene	48.0		5.0	0.26
106-46-7	1,4-Dichlorobenzene	46.5		5.0	0.70
78-93-3	2-Butanone (MEK)	243		25	1.8
591-78-6	2-Hexanone	244		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	249		25	1.6
67-64-1	Acetone	253		25	4.2
71-43-2	Benzene	47.9		5.0	0.24
75-27-4	Bromodichloromethane	48.5		5.0	0.67
75-25-2	Bromoform	52.6		5.0	2.5
74-83-9	Bromomethane	51.6		5.0	0.45
75-15-0	Carbon disulfide	50.4		5.0	2.5
56-23-5	Carbon tetrachloride	53.7		5.0	0.48
108-90-7	Chlorobenzene	47.1		5.0	0.66
75-00-3	Chloroethane	54.3		5.0	1.1
67-66-3	Chloroform	46.7		5.0	0.31
74-87-3	Chloromethane	58.5		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	46.3		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	49.8		5.0	0.72
110-82-7	Cyclohexane	50.5		5.0	0.70
124-48-1	Dibromochloromethane	51.4		5.0	0.64
75-71-8	Dichlorodifluoromethane	55.4		5.0	0.41
100-41-4	Ethylbenzene	48.7		5.0	0.34
98-82-8	Isopropylbenzene	52.2		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279346/1-A

Matrix: Solid | Lab File ID: P2269.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/11/2015 13:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	232		5.0	3.0
1634-04-4	Methyl tert-butyl ether	47.8		5.0	0.49
108-87-2	Methylcyclohexane	51.0		5.0	0.76
75-09-2	Methylene Chloride	53.1		5.0	2.3
100-42-5	Styrene	47.6		5.0	0.25
127-18-4	Tetrachloroethene	48.4		5.0	0.67
108-88-3	Toluene	44.5		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	47.0		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	50.2		5.0	2.2
79-01-6	Trichloroethene	47.8		5.0	1.1
75-69-4	Trichlorofluoromethane	58.8		5.0	0.47
75-01-4	Vinyl chloride	58.1		5.0	0.61
1330-20-7	Xylenes, Total	95.3		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2269.D
Lims ID: LCS 480-279346/1-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Dec-2015 13:00:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0049158-005
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 15:27:05 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 15:27:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	314692	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	649724	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	96	586097	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	92	412209	50.0	51.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	250252	50.0	51.5	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	93	1440989	50.0	50.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	485576	50.0	49.0	
10 Dichlorodifluoromethane	85	4.054	4.036	0.018	87	557778	50.0	55.8	
11 Chloromethane	50	4.346	4.340	0.006	99	526694	50.0	58.8	
17 Vinyl chloride	62	4.577	4.577	0.000	97	414072	50.0	58.4	
149 Butadiene	54	4.595	4.595	0.000	97	419324	50.0	64.4	
12 Bromomethane	94	5.131	5.125	0.006	93	211757	50.0	51.9	
13 Chloroethane	64	5.265	5.252	0.013	96	244573	50.0	54.6	
19 Dichlorofluoromethane	67	5.563	5.557	0.006	98	781476	50.0	50.3	
14 Trichlorofluoromethane	101	5.684	5.672	0.012	99	743444	50.0	59.1	
20 Ethyl ether	59	5.970	5.958	0.012	98	424976	50.0	47.7	
22 Acrolein	56	6.220	6.220	0.000	97	444685	250.0	232.5	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	95	524410	50.0	50.0	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	93	490112	50.0	46.7	
24 Acetone	43	6.402	6.396	0.006	98	919204	250.0	254.9	
18 Iodomethane	142	6.639	6.627	0.012	99	775724	50.0	48.4	
30 Methyl acetate	43	6.773	6.767	0.006	100	1931030	250.0	233.7	
27 Carbon disulfide	76	6.779	6.779	0.000	99	1650446	50.0	50.7	
28 3-Chloro-1-propene	41	6.810	6.804	0.006	90	883342	50.0	50.8	
31 Methylene Chloride	84	6.992	6.986	0.006	94	488242	50.0	53.4	
33 2-Methyl-2-propanol	59	7.011	7.004	0.007	97	558771	500.0	476.8	
32 Methyl tert-butyl ether	73	7.236	7.223	0.013	99	1347589	50.0	48.1	
34 Acrylonitrile	53	7.278	7.272	0.006	96	1784563	500.0	472.1	
35 trans-1,2-Dichloroethene	96	7.309	7.296	0.013	92	418848	50.0	47.3	
36 Hexane	57	7.540	7.534	0.006	95	813023	50.0	46.9	
38 Vinyl acetate	43	7.777	7.771	0.006	97	2258837	100.0	106.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	932304	50.0	47.4	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	1298169	250.0	244.0	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	87	447173	50.0	46.5	
45 2,2-Dichloropropane	77	8.538	8.531	0.007	91	705401	50.0	52.4	
50 Chlorobromomethane	128	8.848	8.842	0.006	91	216578	50.0	47.1	
51 Tetrahydrofuran	42	8.878	8.872	0.006	94	330498	100.0	95.4	
49 Chloroform	83	8.890	8.878	0.012	96	795691	50.0	46.9	
52 1,1,1-Trichloroethane	97	9.152	9.146	0.006	98	644464	50.0	57.2	
54 Cyclohexane	56	9.219	9.213	0.006	95	1020505	50.0	50.8	
53 Isobutyl alcohol	43	9.298	9.292	0.006	96	640683	1250.0	1255.5	
56 1,1-Dichloropropene	75	9.322	9.310	0.012	91	619340	50.0	49.8	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	678834	50.0	54.0	
57 Benzene	78	9.602	9.596	0.006	98	1672268	50.0	48.2	
60 1,2-Dichloroethane	62	9.627	9.620	0.006	97	725738	50.0	46.3	
59 n-Heptane	43	9.724	9.712	0.012	97	868492	50.0	47.3	
62 Trichloroethene	95	10.357	10.350	0.007	95	451751	50.0	48.1	
64 Methylcyclohexane	83	10.588	10.582	0.006	98	825415	50.0	51.3	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	477398	50.0	47.4	
68 1,4-Dioxane	88	10.782	10.782	0.000	98	70872	1000.0	887.8	
69 Dibromomethane	93	10.855	10.849	0.006	95	264952	50.0	47.7	
70 Dichlorobromomethane	83	10.995	10.989	0.006	98	616730	50.0	48.8	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	92	216859	50.0	116.5	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	733907	50.0	50.1	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	2695212	250.0	250.4	
76 Toluene	92	11.975	11.969	0.006	97	1032230	50.0	44.7	
77 Ethyl methacrylate	69	12.200	12.194	0.006	94	514522	50.0	51.1	
78 trans-1,3-Dichloropropene	75	12.236	12.230	0.006	94	668878	50.0	50.5	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	305501	50.0	48.3	
80 Tetrachloroethene	166	12.717	12.717	0.000	93	431173	50.0	48.7	
83 2-Hexanone	43	12.729	12.723	0.006	97	1818466	250.0	245.4	
82 1,3-Dichloropropane	76	12.753	12.753	0.000	99	601390	50.0	46.9	
81 Chlorodibromomethane	129	13.100	13.094	0.006	90	446945	50.0	51.7	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	398978	50.0	48.3	
87 Chlorobenzene	112	13.885	13.879	0.006	94	1190891	50.0	47.4	
89 Ethylbenzene	91	13.952	13.946	0.006	99	1959756	50.0	49.0	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.964	0.006	93	419757	50.0	49.2	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	822841	50.0	48.5	
93 o-Xylene	106	14.639	14.633	0.006	98	806187	50.0	47.3	
94 Styrene	104	14.658	14.651	0.007	92	1265748	50.0	47.9	
92 Bromoform	173	15.010	15.010	0.000	96	288105	50.0	52.9	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	2179648	50.0	52.5	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	496019	50.0	50.5	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	88	202380	50.0	52.0	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	74	136239	50.0	47.0	
100 Bromobenzene	156	15.601	15.594	0.007	95	484486	50.0	47.0	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2356610	50.0	51.5	
103 2-Chlorotoluene	126	15.801	15.795	0.006	93	446195	50.0	48.3	
102 1,3,5-Trimethylbenzene	105	15.801	15.801	0.000	93	1759951	50.0	50.3	
105 4-Chlorotoluene	126	15.929	15.923	0.006	99	490433	50.0	49.5	
106 tert-Butylbenzene	134	16.239	16.239	0.000	94	376362	50.0	50.8	
107 1,2,4-Trimethylbenzene	105	16.306	16.300	0.006	97	1880214	50.0	50.7	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2427538	50.0	53.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1973886	50.0	52.1	
110 1,3-Dichlorobenzene	146	16.756	16.750	0.006	96	952953	50.0	48.3	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	893858	50.0	46.8	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1902310	50.0	52.6	
116 1,2-Dichlorobenzene	146	17.347	17.347	0.000	95	950664	50.0	48.2	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	79	107787	50.0	50.2	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	677686	50.0	48.8	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	97	399648	50.0	48.3	
121 Naphthalene	128	19.810	19.810	0.000	97	1480553	50.0	48.9	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	95	582057	50.0	47.0	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

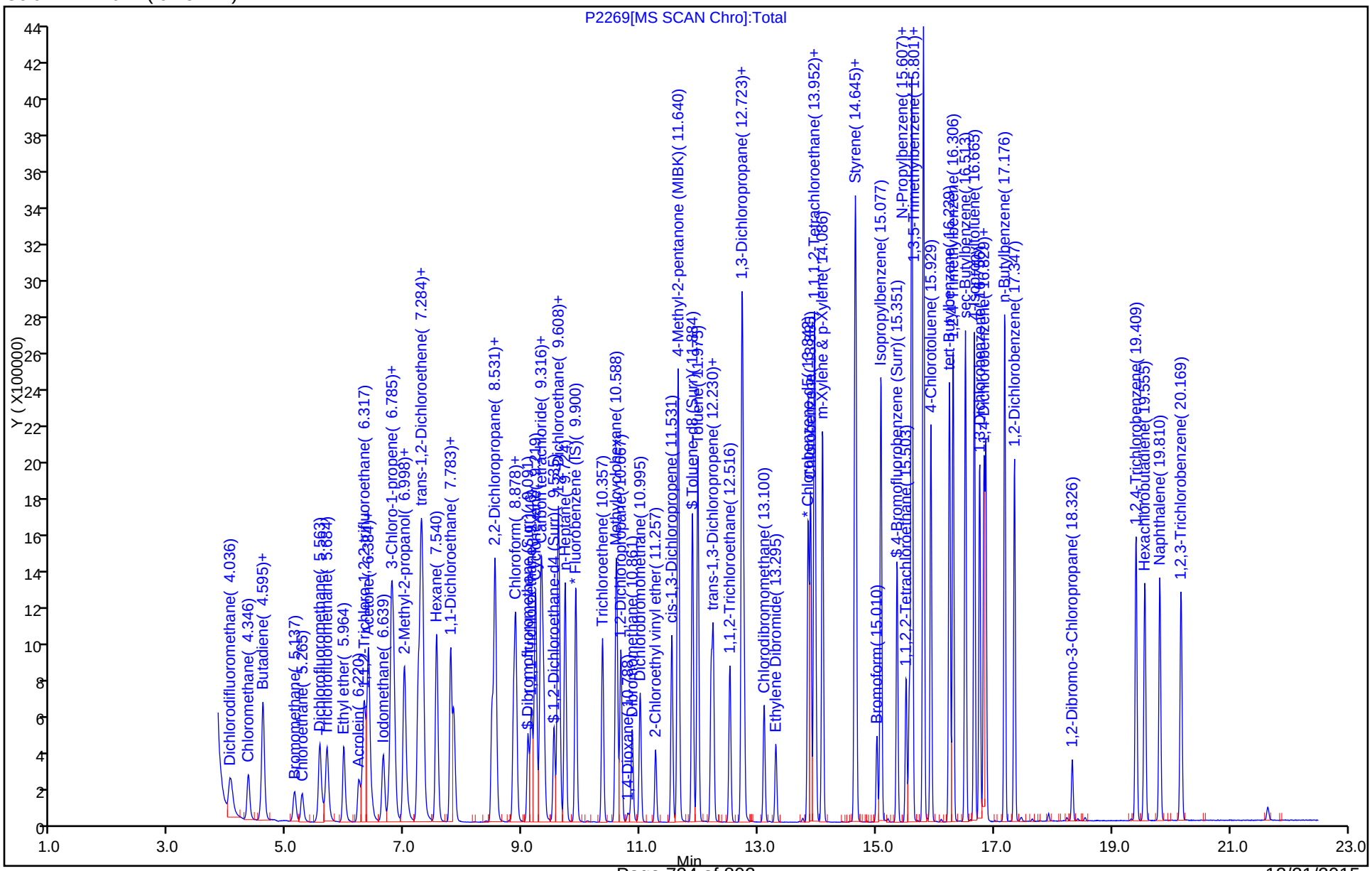
Report Date: 11-Dec-2015 15:27:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2269.D

Injection Date:	11-Dec-2015 13:00:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	LCS 480-279346/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279401/1-A

Matrix: Solid | Lab File ID: N5572.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.05(g) | Date Analyzed: 12/12/2015 13:06

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2090		99	27
79-34-5	1,1,2,2-Tetrachloroethane	2190		99	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2270		99	50
79-00-5	1,1,2-Trichloroethane	2360		99	21
75-34-3	1,1-Dichloroethane	2210		99	31
75-35-4	1,1-Dichloroethene	1980		99	34
120-82-1	1,2,4-Trichlorobenzene	2340		99	38
96-12-8	1,2-Dibromo-3-Chloropropane	1780		99	50
106-93-4	1,2-Dibromoethane	2310		99	17
95-50-1	1,2-Dichlorobenzene	2300		99	25
107-06-2	1,2-Dichloroethane	2290		99	40
78-87-5	1,2-Dichloropropane	2270		99	16
541-73-1	1,3-Dichlorobenzene	2340		99	26
106-46-7	1,4-Dichlorobenzene	2210		99	14
78-93-3	2-Butanone (MEK)	10000		500	290
591-78-6	2-Hexanone	10300		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	9900		500	32
67-64-1	Acetone	13400		500	410
71-43-2	Benzene	2330		99	19
75-27-4	Bromodichloromethane	2050		99	20
75-25-2	Bromoform	1760		99	50
74-83-9	Bromomethane	1560		99	22
75-15-0	Carbon disulfide	1320		99	45
56-23-5	Carbon tetrachloride	1980		99	25
108-90-7	Chlorobenzene	2330		99	13
75-00-3	Chloroethane	1570		99	21
67-66-3	Chloroform	2490		99	68
74-87-3	Chloromethane	2170		99	24
156-59-2	cis-1,2-Dichloroethene	2520		99	27
10061-01-5	cis-1,3-Dichloropropene	2290		99	24
110-82-7	Cyclohexane	1770		99	22
124-48-1	Dibromochloromethane	2020		99	48
75-71-8	Dichlorodifluoromethane	2750		99	43
100-41-4	Ethylbenzene	2270		99	29
98-82-8	Isopropylbenzene	2320		99	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279401/1-A

Matrix: Solid | Lab File ID: N5572.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.05(g) | Date Analyzed: 12/12/2015 13:06

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279459 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	10400		99	47
1634-04-4	Methyl tert-butyl ether	2150		99	37
108-87-2	Methylcyclohexane	2310		99	46
75-09-2	Methylene Chloride	2300		99	20
100-42-5	Styrene	2310		99	24
127-18-4	Tetrachloroethene	2240		99	13
108-88-3	Toluene	2300		99	27
156-60-5	trans-1,2-Dichloroethene	2190		99	23
10061-02-6	trans-1,3-Dichloropropene	2280		99	9.7
79-01-6	Trichloroethene	2290		99	28
75-69-4	Trichlorofluoromethane	2150		99	46
75-01-4	Vinyl chloride	2100		99	33
1330-20-7	Xylenes, Total	4740		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
2037-26-5	Toluene-d8 (Surr)	96		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5572.D
Lims ID: LCS 480-279401/1-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Dec-2015 13:06:30 ALS Bottle#: 35 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs 480-279401/1-a
Misc. Info.: 480-0049180-026
Operator ID: GTG Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 11:22:28 Calib Date: 04-Dec-2015 20:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20151204-48944.b\N5272.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: goliszekg Date: 12-Dec-2015 13:32:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.599	5.599	0.000	98	133632	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.598	8.598	0.000	87	493321	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.971	10.970	0.001	95	244723	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.996	5.002	-0.006	93	129849	25.0	23.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.307	5.313	-0.006	0	183301	25.0	23.6	
$ 6 Toluene-d8 (Surr)	98	7.114	7.113	0.001	94	508630	25.0	24.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.845	9.845	0.000	88	154856	25.0	24.4	
11 Dichlorodifluoromethane	85	1.371	1.371	0.000	99	198292	25.0	27.8	
13 Chloromethane	50	1.541	1.541	0.000	99	201636	25.0	21.9	
14 Vinyl chloride	62	1.651	1.644	0.007	98	176115	25.0	21.2	
144 Butadiene	54	1.681	1.681	0.000	95	181961	25.0	21.1	
15 Bromomethane	94	1.955	1.973	-0.018	91	68593	25.0	15.8	
16 Chloroethane	64	2.058	2.076	-0.018	100	79894	25.0	15.9	
17 Dichlorofluoromethane	67	2.295	2.295	0.000	97	227082	25.0	21.5	
18 Trichlorofluoromethane	101	2.301	2.307	-0.006	92	213019	25.0	21.8	
19 Ethyl ether	59	2.600	2.599	0.001	93	181743	25.0	22.6	
20 Acrolein	56	2.764	2.758	0.006	99	154905	125.0	83.9	
22 1,1-Dichloroethene	96	2.812	2.818	-0.006	94	126701	25.0	20.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.825	2.837	-0.012	55	126483	25.0	22.9	
23 Acetone	43	2.934	2.916	0.018	99	320371	125.0	135.4	
24 Iodomethane	142	3.001	2.983	0.018	98	194234	25.0	18.4	
25 Carbon disulfide	76	3.031	3.025	0.006	99	260608	25.0	13.3	
27 3-Chloro-1-propene	41	3.177	3.183	-0.006	86	268716	25.0	18.6	
28 Methyl acetate	43	3.232	3.226	0.006	99	860965	125.0	105.1	
30 Methylene Chloride	84	3.324	3.329	-0.005	97	147366	25.0	23.2	
31 2-Methyl-2-propanol	59	3.512	3.482	0.030	92	188694	250.0	241.9	
32 Methyl tert-butyl ether	73	3.561	3.555	0.006	99	516085	25.0	21.8	
33 trans-1,2-Dichloroethene	96	3.561	3.567	-0.006	69	157808	25.0	22.1	
34 Acrylonitrile	53	3.597	3.591	0.006	96	716217	250.0	208.9	
35 Hexane	57	3.780	3.786	-0.006	94	253073	25.0	20.6	
36 1,1-Dichloroethane	63	3.974	3.980	-0.006	97	310397	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	4.035	4.029	0.006	98	869855	50.0	44.5	
42 2,2-Dichloropropane	77	4.504	4.510	-0.006	90	139002	25.0	19.3	
43 cis-1,2-Dichloroethene	96	4.534	4.534	0.000	84	175958	25.0	25.5	
44 2-Butanone (MEK)	43	4.565	4.558	0.007	99	486556	125.0	101.3	
47 Chlorobromomethane	128	4.765	4.765	0.000	96	91246	25.0	24.0	
49 Tetrahydrofuran	42	4.808	4.802	0.006	93	133987	50.0	39.0	
50 Chloroform	83	4.844	4.844	0.000	95	280115	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.972	4.978	-0.006	97	201308	25.0	21.1	
52 Cyclohexane	56	4.996	5.002	-0.006	95	226199	25.0	17.9	
53 Carbon tetrachloride	117	5.118	5.124	-0.006	96	185563	25.0	20.0	
54 1,1-Dichloropropene	75	5.124	5.130	-0.006	92	224089	25.0	23.7	
56 Isobutyl alcohol	43	5.331	5.313	0.018	42	150514	625.0	334.9	
55 Benzene	78	5.325	5.331	-0.006	98	630882	25.0	23.5	
57 1,2-Dichloroethane	62	5.380	5.380	0.000	97	272707	25.0	23.1	
59 n-Heptane	43	5.532	5.532	0.000	95	317616	25.0	23.3	
60 Trichloroethene	95	5.939	5.939	0.000	94	167625	25.0	23.1	
62 Methylcyclohexane	83	6.079	6.079	0.000	95	265487	25.0	23.3	
63 1,2-Dichloropropane	63	6.171	6.171	0.001	87	163223	25.0	22.9	
64 Dibromomethane	93	6.304	6.304	0.000	96	100678	25.0	24.1	
66 1,4-Dioxane	88	6.317	6.317	0.001	29	30120	500.0	463.2	
67 Dichlorobromomethane	83	6.457	6.456	0.001	96	172010	25.0	20.7	
69 2-Chloroethyl vinyl ether	63	6.736	6.736	0.000	94	106234	25.0	22.6	
71 cis-1,3-Dichloropropene	75	6.876	6.882	-0.006	89	234019	25.0	23.2	
72 4-Methyl-2-pentanone (MIBK	58	7.016	7.016	0.000	98	362101	125.0	100.0	
73 Toluene	92	7.180	7.180	0.000	98	407719	25.0	23.2	
75 trans-1,3-Dichloropropene	75	7.442	7.442	0.000	99	213749	25.0	23.0	
77 Ethyl methacrylate	69	7.497	7.497	0.000	93	192892	25.0	21.5	
78 1,1,2-Trichloroethane	83	7.631	7.631	0.000	96	113410	25.0	23.8	
79 Tetrachloroethene	166	7.722	7.722	0.000	96	184699	25.0	22.6	
80 1,3-Dichloropropane	76	7.795	7.795	0.000	98	250025	25.0	23.0	
82 2-Hexanone	43	7.862	7.856	0.006	97	685113	125.0	103.6	
83 Chlorodibromomethane	129	8.032	8.032	0.000	90	124889	25.0	20.4	
84 Ethylene Dibromide	107	8.142	8.142	0.000	99	146573	25.0	23.3	
85 Chlorobenzene	112	8.628	8.628	0.000	94	451997	25.0	23.5	
89 1,1,1,2-Tetrachloroethane	131	8.720	8.720	0.000	91	149445	25.0	22.0	
88 Ethylbenzene	91	8.726	8.726	0.000	98	733874	25.0	23.0	
90 m-Xylene & p-Xylene	106	8.847	8.847	0.000	0	306238	25.0	23.9	
91 o-Xylene	106	9.273	9.273	0.000	97	304035	25.0	24.0	
92 Styrene	104	9.298	9.297	0.001	95	467500	25.0	23.3	
93 Bromoform	173	9.535	9.535	0.000	95	58753	25.0	17.8	
95 Isopropylbenzene	105	9.657	9.656	0.000	96	759184	25.0	23.4	
97 Bromobenzene	156	9.991	9.991	0.000	94	192141	25.0	22.5	
98 1,1,2,2-Tetrachloroethane	83	10.028	10.027	0.001	96	167012	25.0	22.2	
99 1,2,3-Trichloropropane	110	10.058	10.058	0.000	91	60697	25.0	21.7	
100 N-Propylbenzene	91	10.076	10.076	0.000	98	849506	25.0	23.6	
101 trans-1,4-Dichloro-2-buten	53	10.076	10.076	0.000	62	56206	25.0	18.8	
102 2-Chlorotoluene	126	10.180	10.173	0.007	96	186240	25.0	23.0	
104 1,3,5-Trimethylbenzene	105	10.253	10.253	0.000	96	623084	25.0	23.4	
105 4-Chlorotoluene	91	10.289	10.283	0.006	97	604752	25.0	23.5	
106 tert-Butylbenzene	134	10.569	10.569	0.000	94	152068	25.0	24.0	
108 1,2,4-Trimethylbenzene	105	10.618	10.618	0.000	98	638273	25.0	22.9	
109 sec-Butylbenzene	105	10.776	10.776	0.000	95	795072	25.0	23.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.910	10.904	0.006	98	362474	25.0	23.6	
111 4-Isopropyltoluene	119	10.916	10.916	0.000	97	702561	25.0	23.5	
113 1,4-Dichlorobenzene	146	10.995	10.989	0.006	95	364576	25.0	22.4	
115 n-Butylbenzene	91	11.299	11.299	0.000	97	573429	25.0	24.0	
116 1,2-Dichlorobenzene	146	11.342	11.342	0.000	97	338031	25.0	23.2	
117 1,2-Dibromo-3-Chloropropan	75	12.060	12.059	0.001	76	23370	25.0	18.0	
119 1,2,4-Trichlorobenzene	180	12.747	12.747	0.000	94	203333	25.0	23.6	
120 Hexachlorobutadiene	225	12.863	12.862	0.001	97	104604	25.0	23.7	
121 Naphthalene	128	12.954	12.960	-0.006	97	483209	25.0	20.9	
122 1,2,3-Trichlorobenzene	180	13.161	13.161	0.000	95	178207	25.0	22.2	

Reagents:

N 8260 IS_00007	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00160	Amount Added:	1.00	Units: uL	Run Reagent

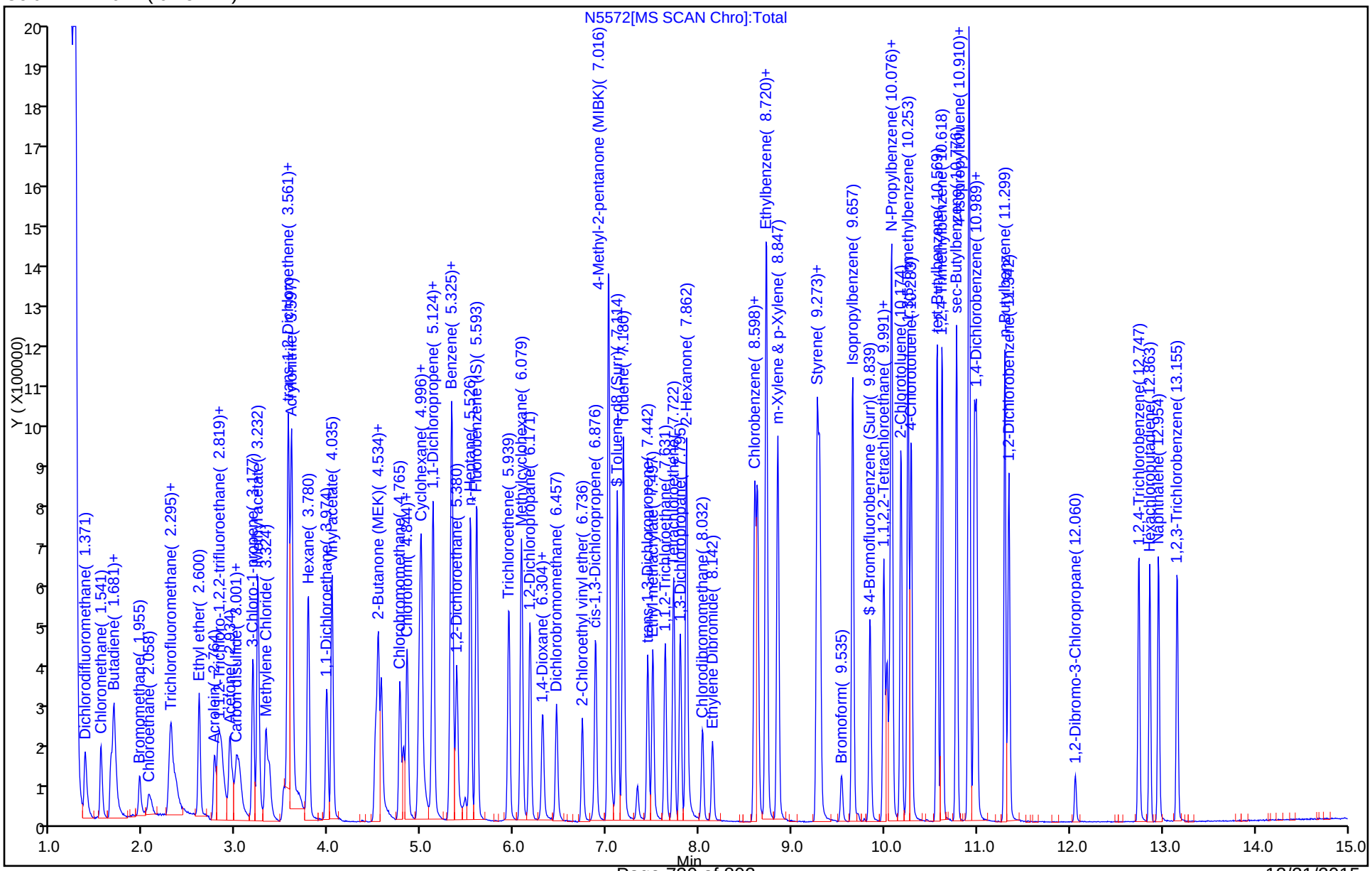
Report Date: 12-Dec-2015 13:32:21 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20151212-49180.b\N5572.D

Injection Date:	12-Dec-2015 13:06:30	Instrument ID:	HP5973N	Operator ID:	GTG
Lims ID:	LCS 480-279401/1-A			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279448/1-A

Matrix: Solid | Lab File ID: P2291.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.09(g) | Date Analyzed: 12/12/2015 08:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50.3		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	47.4		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	45.3		4.9	1.1
79-00-5	1,1,2-Trichloroethane	47.1		4.9	0.64
75-34-3	1,1-Dichloroethane	45.2		4.9	0.60
75-35-4	1,1-Dichloroethene	43.4		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	49.2		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	45.0		4.9	2.5
106-93-4	1,2-Dibromoethane	46.2		4.9	0.63
95-50-1	1,2-Dichlorobenzene	47.0		4.9	0.38
107-06-2	1,2-Dichloroethane	43.9		4.9	0.25
78-87-5	1,2-Dichloropropane	45.7		4.9	2.5
541-73-1	1,3-Dichlorobenzene	47.1		4.9	0.25
106-46-7	1,4-Dichlorobenzene	45.9		4.9	0.69
78-93-3	2-Butanone (MEK)	224		25	1.8
591-78-6	2-Hexanone	232		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	235		25	1.6
67-64-1	Acetone	226		25	4.1
71-43-2	Benzene	46.2		4.9	0.24
75-27-4	Bromodichloromethane	46.9		4.9	0.66
75-25-2	Bromoform	50.5		4.9	2.5
74-83-9	Bromomethane	54.1		4.9	0.44
75-15-0	Carbon disulfide	46.5		4.9	2.5
56-23-5	Carbon tetrachloride	49.5		4.9	0.48
108-90-7	Chlorobenzene	46.9		4.9	0.65
75-00-3	Chloroethane	51.2		4.9	1.1
67-66-3	Chloroform	45.0		4.9	0.30
74-87-3	Chloromethane	54.3		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	45.0		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	48.2		4.9	0.71
110-82-7	Cyclohexane	47.5		4.9	0.69
124-48-1	Dibromochloromethane	50.4		4.9	0.63
75-71-8	Dichlorodifluoromethane	52.4		4.9	0.41
100-41-4	Ethylbenzene	47.8		4.9	0.34
98-82-8	Isopropylbenzene	49.8		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279448/1-A

Matrix: Solid | Lab File ID: P2291.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.09(g) | Date Analyzed: 12/12/2015 08:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279446 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	216		4.9	3.0
1634-04-4	Methyl tert-butyl ether	45.7		4.9	0.48
108-87-2	Methylcyclohexane	48.6		4.9	0.75
75-09-2	Methylene Chloride	49.0		4.9	2.3
100-42-5	Styrene	47.8		4.9	0.25
127-18-4	Tetrachloroethene	46.9		4.9	0.66
108-88-3	Toluene	43.8		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	44.9		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	49.2		4.9	2.2
79-01-6	Trichloroethene	46.1		4.9	1.1
75-69-4	Trichlorofluoromethane	54.5		4.9	0.46
75-01-4	Vinyl chloride	54.6		4.9	0.60
1330-20-7	Xylenes, Total	94.3		9.8	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2291.D
Lims ID: LCS 480-279448/1-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Dec-2015 08:53:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279448/1-A
Misc. Info.: 480-0049177-005
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 09:50:27 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 09:51:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	323580	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.836	0.007	88	656077	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	605578	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.079	0.012	93	419380	50.0	50.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	254006	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1485781	50.0	51.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	495179	50.0	49.5	
10 Dichlorodifluoromethane	85	4.042	4.036	0.006	99	549232	50.0	53.4	
11 Chloromethane	50	4.340	4.340	0.000	99	508878	50.0	55.3	
17 Vinyl chloride	62	4.577	4.571	0.006	98	404935	50.0	55.6	
149 Butadiene	54	4.596	4.590	0.006	96	398606	50.0	59.5	
12 Bromomethane	94	5.125	5.119	0.006	94	230737	50.0	55.0	
13 Chloroethane	64	5.253	5.253	0.000	96	239739	50.0	52.1	
19 Dichlorofluoromethane	67	5.563	5.557	0.006	98	822685	50.0	51.5	
14 Trichlorofluoromethane	101	5.678	5.672	0.006	98	716618	50.0	55.4	
20 Ethyl ether	59	5.964	5.958	0.006	97	427573	50.0	46.7	
22 Acrolein	56	6.220	6.214	0.006	99	431938	250.0	219.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	94	497811	50.0	46.2	
25 1,1-Dichloroethene	96	6.378	6.372	0.006	92	477079	50.0	44.2	
24 Acetone	43	6.396	6.390	0.006	98	851445	250.0	229.6	
18 Iodomethane	142	6.634	6.628	0.006	99	759478	50.0	46.1	
30 Methyl acetate	43	6.774	6.761	0.013	100	1869502	250.0	220.0	
27 Carbon disulfide	76	6.780	6.774	0.006	99	1584417	50.0	47.4	
28 3-Chloro-1-propene	41	6.816	6.804	0.012	90	857282	50.0	48.0	
31 Methylene Chloride	84	6.993	6.980	0.013	94	470312	50.0	49.9	
33 2-Methyl-2-propanol	59	7.005	7.005	0.000	98	521679	500.0	432.9	
32 Methyl tert-butyl ether	73	7.230	7.224	0.006	99	1339323	50.0	46.5	
34 Acrylonitrile	53	7.278	7.272	0.006	96	1737231	500.0	447.0	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	416732	50.0	45.7	
36 Hexane	57	7.540	7.534	0.006	95	820158	50.0	46.0	
38 Vinyl acetate	43	7.777	7.771	0.006	97	2253552	100.0	103.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	931941	50.0	46.0	
44 2-Butanone (MEK)	43	8.477	8.471	0.006	97	1247869	250.0	228.1	
43 cis-1,2-Dichloroethene	96	8.532	8.526	0.006	87	452910	50.0	45.8	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	91	668691	50.0	48.3	
50 Chlorobromomethane	128	8.848	8.842	0.006	91	217603	50.0	46.0	
51 Tetrahydrofuran	42	8.878	8.866	0.012	91	312977	100.0	87.9	
49 Chloroform	83	8.885	8.878	0.006	95	799051	50.0	45.9	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	98	592890	50.0	51.2	
54 Cyclohexane	56	9.219	9.213	0.006	95	1000160	50.0	48.4	
53 Isobutyl alcohol	43	9.298	9.286	0.012	97	608009	1250.0	1158.8	
56 1,1-Dichloropropene	75	9.316	9.310	0.006	91	606561	50.0	47.4	
55 Carbon tetrachloride	117	9.353	9.347	0.006	97	650517	50.0	50.4	
57 Benzene	78	9.602	9.596	0.006	98	1678749	50.0	47.0	
60 1,2-Dichloroethane	62	9.627	9.621	0.006	96	719915	50.0	44.7	
59 n-Heptane	43	9.718	9.712	0.006	97	925213	50.0	49.0	
62 Trichloroethene	95	10.357	10.351	0.006	95	453767	50.0	47.0	
64 Methylcyclohexane	83	10.588	10.582	0.006	98	818887	50.0	49.5	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	481472	50.0	46.5	
68 1,4-Dioxane	88	10.789	10.777	0.012	94	70261	1000.0	871.7	
69 Dibromomethane	93	10.856	10.850	0.006	96	262696	50.0	46.0	
70 Dichlorobromomethane	83	10.996	10.989	0.007	98	620548	50.0	47.8	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	92	208865	50.0	109.1	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	739199	50.0	49.1	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2600387	250.0	239.2	
76 Toluene	92	11.969	11.969	0.000	97	1038554	50.0	44.6	
77 Ethyl methacrylate	69	12.200	12.194	0.006	94	511618	50.0	50.3	
78 trans-1,3-Dichloropropene	75	12.230	12.231	0.000	99	670357	50.0	50.1	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	306078	50.0	47.9	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	426845	50.0	47.7	
83 2-Hexanone	43	12.723	12.723	0.000	97	1766231	250.0	236.0	
82 1,3-Dichloropropane	76	12.754	12.748	0.006	99	603134	50.0	46.5	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	447718	50.0	51.3	
85 Ethylene Dibromide	107	13.295	13.289	0.006	99	392703	50.0	47.0	
87 Chlorobenzene	112	13.885	13.879	0.006	93	1211435	50.0	47.7	
89 Ethylbenzene	91	13.946	13.946	0.000	98	1965531	50.0	48.7	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.958	0.006	93	417949	50.0	48.5	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	826789	50.0	48.3	
93 o-Xylene	106	14.633	14.634	-0.001	98	821636	50.0	47.7	
94 Styrene	104	14.652	14.652	0.000	92	1298053	50.0	48.7	
92 Bromoform	173	15.011	15.011	0.000	95	282702	50.0	51.5	
95 Isopropylbenzene	105	15.078	15.078	0.000	96	2174085	50.0	50.7	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	490012	50.0	48.3	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.552	0.006	83	204655	50.0	50.9	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	76	134997	50.0	45.1	
100 Bromobenzene	156	15.595	15.595	0.000	95	493396	50.0	46.4	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2357574	50.0	49.8	
103 2-Chlorotoluene	126	15.802	15.795	0.007	93	454062	50.0	47.5	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	1776683	50.0	49.1	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	496025	50.0	48.5	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	381490	50.0	49.9	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1901223	50.0	49.6	
109 sec-Butylbenzene	105	16.513	16.507	0.006	95	2427627	50.0	51.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.659	0.006	97	1992638	50.0	50.9	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	977577	50.0	47.9	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	92	923281	50.0	46.7	
115 n-Butylbenzene	91	17.176	17.176	0.000	99	1943163	50.0	52.0	
116 1,2-Dichlorobenzene	146	17.347	17.341	0.006	95	976360	50.0	47.9	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.320	0.000	82	101651	50.0	45.8	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	718269	50.0	50.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	96	420118	50.0	49.4	
121 Naphthalene	128	19.811	19.811	0.000	97	1536491	50.0	49.3	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	95	624570	50.0	49.0	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

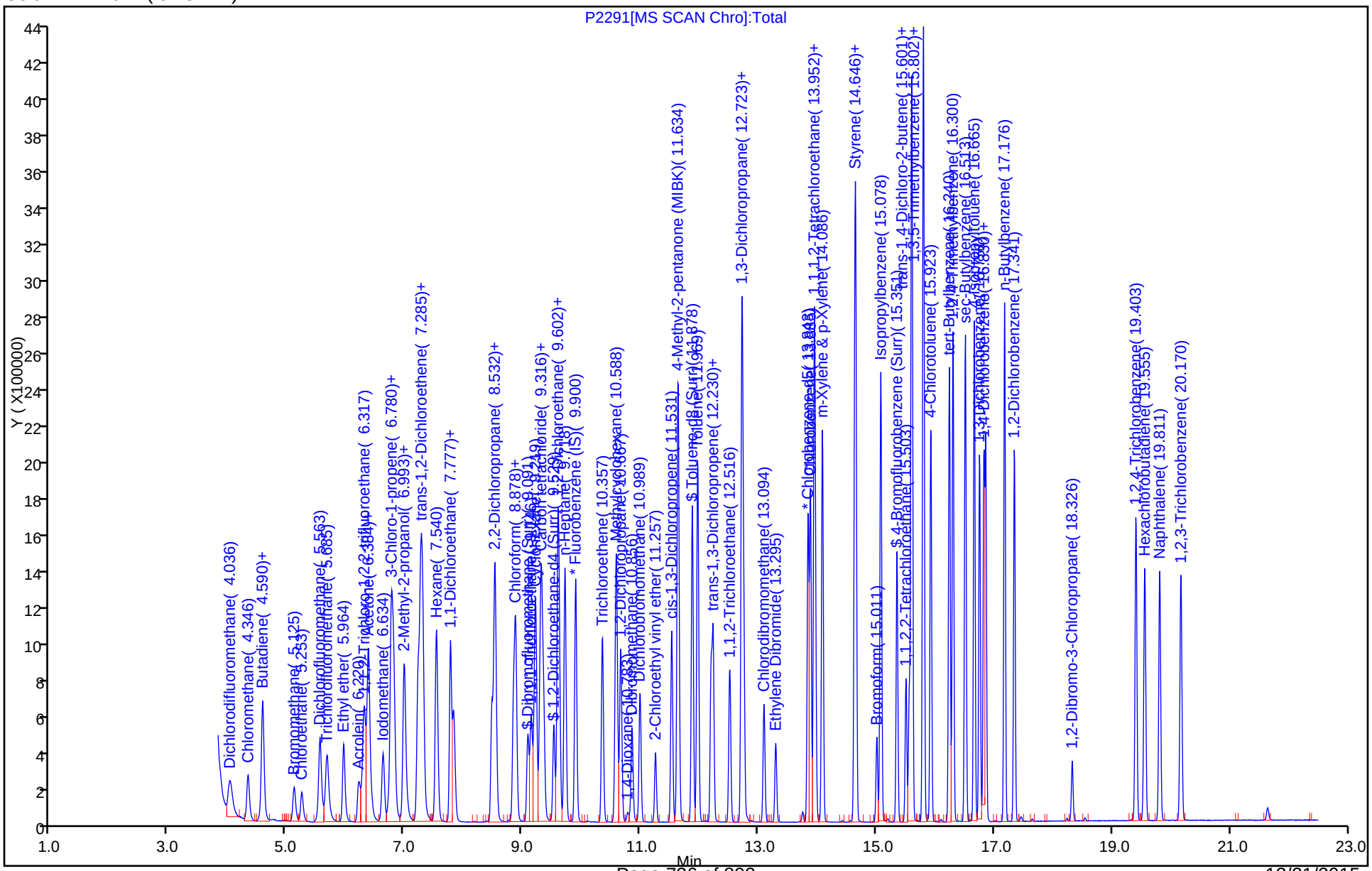
Report Date: 12-Dec-2015 09:51:31 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151212-49177.b\P2291.D

Injection Date:	12-Dec-2015 08:53:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	LCS 480-279448/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280006/4

Matrix: Water | Lab File ID: C59693.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 1(uL) | Date Analyzed: 12/16/2015 10:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 280006 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.5		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.2		1.0	0.23
75-34-3	1,1-Dichloroethane	25.0		1.0	0.38
75-35-4	1,1-Dichloroethene	23.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.2		1.0	0.39
106-93-4	1,2-Dibromoethane	24.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	23.9		1.0	0.79
107-06-2	1,2-Dichloroethane	25.3		1.0	0.21
78-87-5	1,2-Dichloropropane	25.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.7		1.0	0.84
78-93-3	2-Butanone (MEK)	129		10	1.3
591-78-6	2-Hexanone	124		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	125		5.0	2.1
67-64-1	Acetone	121		10	3.0
71-43-2	Benzene	24.4		1.0	0.41
75-27-4	Bromodichloromethane	25.5		1.0	0.39
75-25-2	Bromoform	25.1		1.0	0.26
74-83-9	Bromomethane	24.3		1.0	0.69
75-15-0	Carbon disulfide	24.3		1.0	0.19
56-23-5	Carbon tetrachloride	25.9		1.0	0.27
108-90-7	Chlorobenzene	23.7		1.0	0.75
75-00-3	Chloroethane	23.9		1.0	0.32
67-66-3	Chloroform	23.9		1.0	0.34
74-87-3	Chloromethane	22.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
110-82-7	Cyclohexane	25.5		1.0	0.18
124-48-1	Dibromochloromethane	24.3		1.0	0.32
75-71-8	Dichlorodifluoromethane	22.3		1.0	0.68
100-41-4	Ethylbenzene	23.4		1.0	0.74
98-82-8	Isopropylbenzene	23.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280006/4

Matrix: Water | Lab File ID: C59693.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 1(uL) | Date Analyzed: 12/16/2015 10:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 280006 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	129		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.3		1.0	0.16
108-87-2	Methylcyclohexane	25.2		1.0	0.16
75-09-2	Methylene Chloride	24.9		1.0	0.44
100-42-5	Styrene	24.4		1.0	0.73
127-18-4	Tetrachloroethene	23.6		1.0	0.36
108-88-3	Toluene	23.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.6		1.0	0.37
79-01-6	Trichloroethene	24.4		1.0	0.46
75-69-4	Trichlorofluoromethane	25.2		1.0	0.88
75-01-4	Vinyl chloride	23.8		1.0	0.90
1330-20-7	Xylenes, Total	47.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59693.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 16-Dec-2015 10:53:30 ALS Bottle#: 32 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0049281-004
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 15:11:15 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: goliszekg Date: 16-Dec-2015 15:11:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	121114	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	268164	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	96	262326	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	165614	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	99300	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	551833	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	87	196494	25.0	25.2	
10 Dichlorodifluoromethane	85	4.436	4.436	0.000	99	279728	25.0	22.3	
12 Chloromethane	50	4.839	4.839	0.000	99	291307	25.0	22.1	
13 Vinyl chloride	62	5.076	5.076	0.000	98	271244	25.0	23.8	
151 Butadiene	54	5.124	5.124	0.000	91	270798	25.0	22.8	
14 Bromomethane	94	5.681	5.681	0.000	92	190304	25.0	24.3	
15 Chloroethane	64	5.823	5.812	0.011	98	174200	25.0	23.9	
16 Dichlorofluoromethane	67	6.108	6.096	0.012	97	457108	25.0	23.6	
17 Trichlorofluoromethane	101	6.167	6.155	0.012	99	456437	25.0	25.2	
18 Ethyl ether	59	6.476	6.476	0.000	94	229422	25.0	24.6	
20 Acrolein	56	6.725	6.725	0.000	98	206077	125.0	130.5	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	250906	25.0	25.1	
22 1,1-Dichloroethene	96	6.819	6.808	0.011	94	217310	25.0	23.9	
23 Acetone	43	6.879	6.867	0.012	99	339650	125.0	121.4	
25 Iodomethane	142	7.057	7.045	0.012	98	419918	25.0	23.9	
26 Carbon disulfide	76	7.140	7.140	0.000	100	872803	25.0	24.3	
27 Methyl acetate	43	7.163	7.163	0.000	98	910959	125.0	129.4	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	82	385507	25.0	23.1	
30 Methylene Chloride	84	7.341	7.329	0.012	98	249327	25.0	24.9	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	304071	250.0	329.1	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	98	736561	25.0	25.3	
34 trans-1,2-Dichloroethene	96	7.567	7.567	0.000	93	237490	25.0	24.5	
33 Acrylonitrile	53	7.578	7.578	0.000	97	936452	250.0	267.5	
35 Hexane	57	7.709	7.709	0.000	92	374686	25.0	24.9	
37 Vinyl acetate	43	7.910	7.910	0.000	97	1102645	50.0	53.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	7.970	7.970	0.000	98	466832	25.0	25.0	
43 2-Butanone (MEK)	43	8.432	8.420	0.012	99	545841	125.0	128.6	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	384343	25.0	25.2	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	87	262403	25.0	24.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	92	134002	25.0	25.7	
49 Tetrahydrofuran	42	8.693	8.693	0.000	59	152609	50.0	50.4	
50 Chloroform	83	8.705	8.693	0.012	97	457638	25.0	23.9	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	407127	25.0	24.9	
52 Cyclohexane	56	8.907	8.907	0.000	94	479795	25.0	25.5	
53 Isobutyl alcohol	43	8.954	8.954	0.000	99	322049	625.0	726.2	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	95	334774	25.0	24.7	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	373917	25.0	25.9	
57 Benzene	78	9.179	9.179	0.000	98	926405	25.0	24.4	
59 n-Heptane	43	9.191	9.191	0.000	91	346658	25.0	23.2	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	409060	25.0	25.3	
62 Trichloroethene	95	9.654	9.654	0.000	94	254452	25.0	24.4	
64 Methylcyclohexane	83	9.784	9.784	0.000	98	388043	25.0	25.2	
65 1,2-Dichloropropane	63	9.867	9.855	0.012	92	252961	25.0	25.3	
66 1,4-Dioxane	88	9.926	9.926	0.000	98	38992	500.0	742.5	
67 Dibromomethane	93	9.998	9.998	0.000	95	163185	25.0	25.2	
68 Dichlorobromomethane	83	10.057	10.057	0.000	98	357243	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	165390	25.0	26.1	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	402882	25.0	25.5	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	97	1287086	125.0	125.5	
74 Toluene	92	10.638	10.638	0.000	97	586989	25.0	23.7	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	294791	25.0	24.6	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	378114	25.0	24.6	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	184453	25.0	24.2	
80 2-Hexanone	43	11.053	11.053	0.000	97	882362	125.0	124.4	
81 Tetrachloroethene	166	11.089	11.089	0.000	97	275855	25.0	23.6	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	95	375895	25.0	24.3	
83 Chlorodibromomethane	129	11.338	11.338	0.000	90	270709	25.0	24.3	
84 Ethylene Dibromide	107	11.468	11.468	0.000	97	240037	25.0	24.4	
88 Ethylbenzene	91	11.800	11.800	0.000	96	1155645	25.0	23.4	
87 Chlorobenzene	112	11.800	11.800	0.000	87	690590	25.0	23.7	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	92	270762	25.0	24.3	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	454065	25.0	23.7	
91 o-Xylene	106	12.239	12.227	0.012	98	455124	25.0	23.7	
92 Styrene	104	12.239	12.239	0.000	94	761662	25.0	24.4	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1188635	25.0	23.3	
95 Bromoform	173	12.523	12.523	0.000	93	165158	25.0	25.1	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	289306	25.0	24.5	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	85	108583	25.0	25.0	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	1372977	25.0	23.4	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	97823	25.0	25.4	
101 Bromobenzene	156	12.903	12.903	0.000	93	313234	25.0	23.9	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	1025891	25.0	23.6	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	275255	25.0	24.3	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	283004	25.0	23.5	
106 tert-Butylbenzene	134	13.294	13.294	0.000	91	218879	25.0	23.1	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	97	1080950	25.0	24.1	
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	1272128	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	1077197	25.0	23.6	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	601449	25.0	23.8	
113 1,4-Dichlorobenzene	146	13.804	13.816	-0.012	94	616575	25.0	23.7	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	959125	25.0	23.8	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	587838	25.0	23.9	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.109	0.000	80	58965	25.0	23.2	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	408869	25.0	24.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	93	157545	25.0	23.9	
121 Naphthalene	128	16.579	16.579	0.000	98	923069	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	394006	25.0	24.8	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

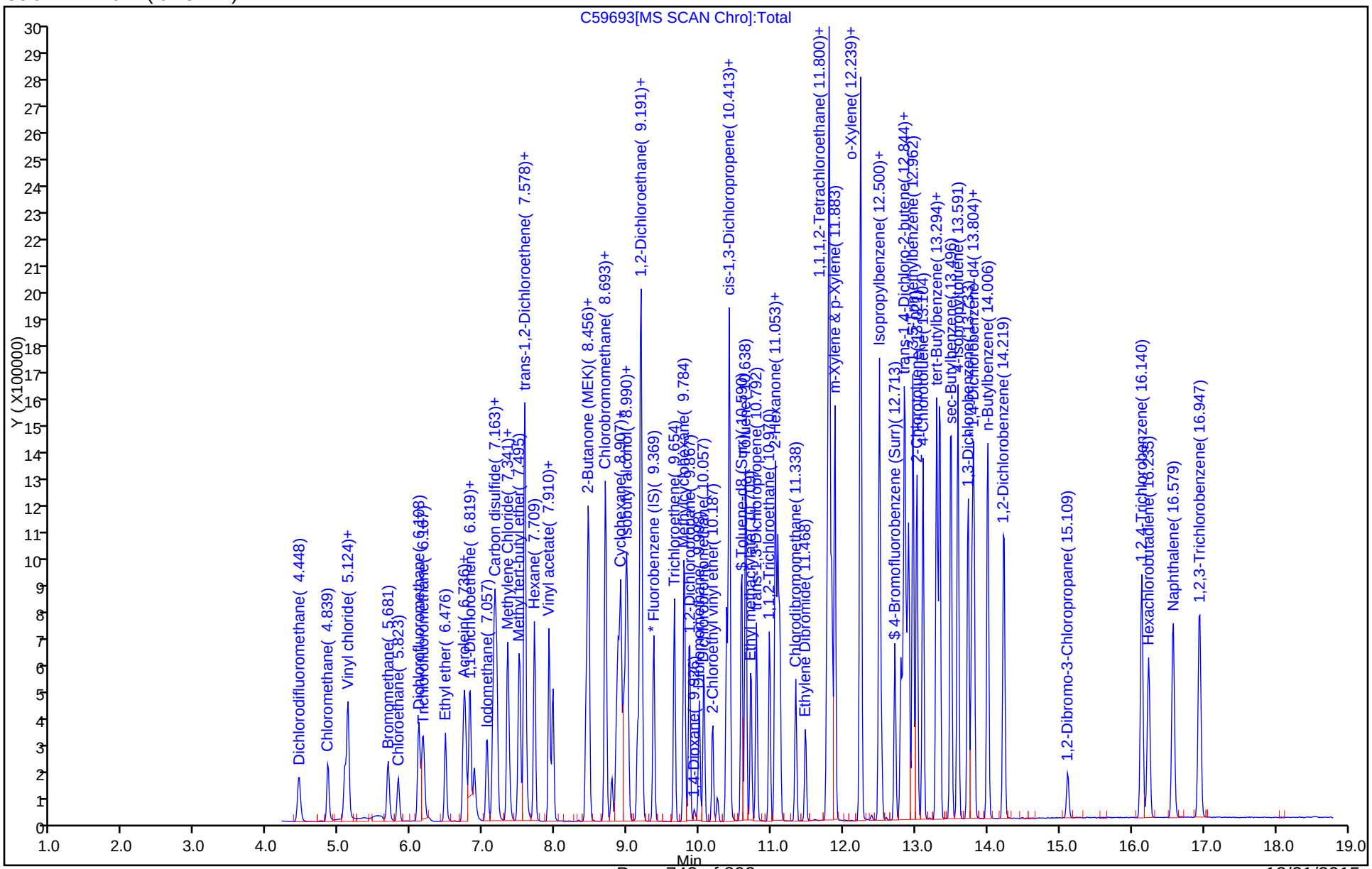
Report Date: 16-Dec-2015 15:11:15 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151216-49281.b\C59693.D

Injection Date:	16-Dec-2015 10:53:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280169/1-A

Matrix: Solid | Lab File ID: S6163.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 12/16/2015 23:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2200		99	27
79-34-5	1,1,2,2-Tetrachloroethane	2510		99	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1700		99	49
79-00-5	1,1,2-Trichloroethane	2270		99	21
75-34-3	1,1-Dichloroethane	2060		99	30
75-35-4	1,1-Dichloroethene	1690		99	34
120-82-1	1,2,4-Trichlorobenzene	2480		99	37
96-12-8	1,2-Dibromo-3-Chloropropane	2530		99	49
106-93-4	1,2-Dibromoethane	2300		99	17
95-50-1	1,2-Dichlorobenzene	2400		99	25
107-06-2	1,2-Dichloroethane	2040		99	40
78-87-5	1,2-Dichloropropane	2140		99	16
541-73-1	1,3-Dichlorobenzene	2510		99	26
106-46-7	1,4-Dichlorobenzene	2420		99	14
78-93-3	2-Butanone (MEK)	11800		490	290
591-78-6	2-Hexanone	12400		490	200
108-10-1	4-Methyl-2-pentanone (MIBK)	12000		490	32
67-64-1	Acetone	12200		490	410
71-43-2	Benzene	2160		99	19
75-27-4	Bromodichloromethane	2240		99	20
75-25-2	Bromoform	2190		99	49
74-83-9	Bromomethane	1970		99	22
75-15-0	Carbon disulfide	1340		99	45
56-23-5	Carbon tetrachloride	1940		99	25
108-90-7	Chlorobenzene	2230		99	13
75-00-3	Chloroethane	1380		99	21
67-66-3	Chloroform	2130		99	68
74-87-3	Chloromethane	1900		99	23
156-59-2	cis-1,2-Dichloroethene	2050		99	27
10061-01-5	cis-1,3-Dichloropropene	2200		99	24
110-82-7	Cyclohexane	2050		99	22
124-48-1	Dibromochloromethane	2070		99	48
75-71-8	Dichlorodifluoromethane	1940		99	43
100-41-4	Ethylbenzene	2460		99	29
98-82-8	Isopropylbenzene	2730		99	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280169/1-A

Matrix: Solid | Lab File ID: S6163.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 12/16/2015 23:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	11900		99	47
1634-04-4	Methyl tert-butyl ether	2100		99	37
108-87-2	Methylcyclohexane	2190		99	46
75-09-2	Methylene Chloride	2040		99	20
100-42-5	Styrene	2350		99	24
127-18-4	Tetrachloroethene	2370		99	13
108-88-3	Toluene	2380		99	26
156-60-5	trans-1,2-Dichloroethene	1930		99	23
10061-02-6	trans-1,3-Dichloropropene	2370		99	9.7
79-01-6	Trichloroethene	2110		99	27
75-69-4	Trichlorofluoromethane	2350		99	46
75-01-4	Vinyl chloride	2010		99	33
1330-20-7	Xylenes, Total	4610		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
2037-26-5	Toluene-d8 (Surr)	97		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6163.D
Lims ID: LCS 480-280169/1-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Dec-2015 23:36:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs 480-280169/1-a
Misc. Info.: 480-0049315-008
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 00:18:03 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: fortaing Date: 17-Dec-2015 00:18:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	115614	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	231958	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	90	214237	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	72	123121	27.2	23.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	91565	27.2	25.5	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	84	541419	27.2	26.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	168368	27.2	25.7	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	86	117175	25.0	19.7	
11 Chlorodifluoromethane	51	1.267	1.273	-0.006	76	183514	25.0	24.4	
12 Chloromethane	50	1.401	1.407	-0.006	89	219948	25.0	19.3	
13 Vinyl chloride	62	1.504	1.510	-0.006	82	124945	25.0	20.3	
151 Butadiene	54	1.535	1.535	0.000	90	159078	25.0	21.4	
14 Bromomethane	94	1.790	1.821	-0.031	84	37439	25.0	19.9	
15 Chloroethane	64	1.876	1.912	-0.036	96	36485	25.0	14.0	
16 Dichlorofluoromethane	67	2.113	2.131	-0.018	77	133245	25.0	20.3	
17 Trichlorofluoromethane	101	2.101	2.143	-0.042	66	131691	25.0	23.9	
148 Ethanol	45	2.423	2.405	0.018	77	192125	1000.0	2088.6	
18 Ethyl ether	59	2.423	2.423	0.000	95	128300	25.0	19.2	
20 Acrolein	56	2.581	2.581	0.000	94	123237	125.0	95.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.642	2.648	-0.006	43	79363	25.0	17.3	
22 1,1-Dichloroethene	96	2.648	2.654	-0.006	80	89205	25.0	17.2	
23 Acetone	43	2.752	2.739	0.013	99	267138	125.0	124.1	
25 Iodomethane	142	2.806	2.812	-0.006	95	106607	25.0	18.3	
26 Carbon disulfide	76	2.843	2.849	-0.006	98	203027	25.0	13.6	
24 Isopropyl alcohol	45		2.916				ND	ND	
28 3-Chloro-1-propene	41	2.989	3.001	-0.012	86	197096	25.0	18.3	
29 Acetonitrile	40	3.044	3.025	0.019	33	117031	250.0	224.3	
27 Methyl acetate	43	3.044	3.044	0.000	97	667159	125.0	120.2	
30 Methylene Chloride	84	3.159	3.159	0.000	78	111870	25.0	20.7	
31 2-Methyl-2-propanol	59		3.299				ND	ND	
32 Methyl tert-butyl ether	73	3.372	3.366	0.006	92	321151	25.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96	3.366	3.378	-0.012	69	104793	25.0	19.5	
33 Acrylonitrile	53	3.409	3.402	0.007	98	680274	250.0	228.5	
35 Hexane	57	3.585	3.597	-0.012	95	222725	25.0	18.4	
39 1,1-Dichloroethane	63	3.786	3.792	-0.006	85	244178	25.0	20.9	
36 Isopropyl ether	45	3.828	3.822	0.006	84	631246	25.0	23.9	
37 Vinyl acetate	43	3.841	3.847	-0.006	96	965755	50.0	66.5	
40 2-Chloro-1,3-butadiene	53	3.853	3.859	-0.006	54	302106	25.0	24.2	
41 Tert-butyl ethyl ether	59	4.169	4.163	0.006	94	488292	25.0	22.3	
44 2,2-Dichloropropane	77	4.309	4.315	-0.006	89	96784	25.0	23.3	
45 cis-1,2-Dichloroethene	96	4.339	4.345	-0.006	74	121911	25.0	20.7	
43 2-Butanone (MEK)	43	4.376	4.370	0.006	95	408772	125.0	119.8	
42 Ethyl acetate	43	4.418	4.412	0.006	91	333300	50.0	54.6	
46 Propionitrile	54	4.461	4.455	0.006	97	246631	250.0	213.2	
48 Chlorobromomethane	128	4.571	4.577	-0.006	41	56299	25.0	18.5	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1102489	250.0	223.6	
49 Tetrahydrofuran	42	4.607	4.607	0.000	62	146173	50.0	56.9	
50 Chloroform	83	4.650	4.656	-0.006	75	193357	25.0	21.5	
51 1,1,1-Trichloroethane	97	4.777	4.783	-0.006	89	143938	25.0	22.3	
52 Cyclohexane	56	4.796	4.808	-0.012	91	288908	25.0	20.8	
55 Carbon tetrachloride	117	4.923	4.929	-0.006	63	117477	25.0	19.7	
54 1,1-Dichloropropene	75	4.929	4.936	-0.007	86	159086	25.0	21.8	
53 Isobutyl alcohol	43	5.149	5.130	0.018	76	239274	625.0	826.2	
57 Benzene	78	5.130	5.136	-0.006	94	456357	25.0	22.0	
152 Isooctane	57	5.155	5.161	-0.006	83	627042	25.0	23.1	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	195159	25.0	20.7	
147 t-Amyl alcohol	59	5.203	5.191	0.012	15	112188	250.0	255.0	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	72	359129	25.0	23.1	
59 n-Heptane	43	5.337	5.343	-0.006	95	294715	25.0	23.5	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	93	359199	25.0	22.0	
62 Trichloroethene	95	5.745	5.751	-0.006	89	117360	25.0	21.4	
60 n-Butanol	56	5.763	5.751	0.012	92	75873	625.0	714.9	
142 Ethyl acrylate	55	5.872	5.866	0.006	94	443733	25.0	53.3	
64 Methylcyclohexane	83	5.885	5.885	0.000	86	206845	25.0	22.2	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	89	140003	25.0	21.7	
63 Methyl methacrylate	41	6.085	6.085	0.000	90	301881	50.0	46.3	
67 Dibromomethane	93	6.104	6.110	-0.006	90	65943	25.0	22.1	
66 1,4-Dioxane	88	6.122	6.116	0.006	28	21016	500.0	435.0	
68 Dichlorobromomethane	83	6.262	6.262	0.000	89	129771	25.0	22.7	
70 2-Nitropropane	43	6.493	6.499	-0.006	72	25030	50.0	35.8	
69 2-Chloroethyl vinyl ether	63	6.542	6.548	-0.006	68	90101	25.0	21.2	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	83	180370	25.0	22.3	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	776289	125.0	121.9	
74 Toluene	92	6.980	6.986	-0.006	89	303460	25.0	24.1	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	93	155174	25.0	24.0	
75 Ethyl methacrylate	69	7.308	7.308	0.000	92	130754	25.0	25.0	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	90	79960	25.0	23.0	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	145939	25.0	24.1	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	95	182675	25.0	24.3	
80 2-Hexanone	43	7.667	7.667	0.000	99	544984	125.0	126.2	
155 n-Butyl acetate	43	7.789	7.789	0.000	98	235455	25.0	25.6	
83 Chlorodibromomethane	129	7.831	7.831	0.000	86	79204	25.0	21.0	
84 Ethylene Dibromide	107	7.935	7.935	0.000	94	95906	25.0	23.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
146 1-Chlorohexane	55	8.385	8.385	0.000	82	184964	25.0	25.0	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	78	189431	25.0	26.6	
87 Chlorobenzene	112	8.421	8.428	-0.007	81	331396	25.0	22.6	
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	60	175941	25.0	26.2	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	34	99851	25.0	22.3	
88 Ethylbenzene	91	8.525	8.525	0.000	93	567997	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	223852	25.0	23.2	
91 o-Xylene	106	9.072	9.072	0.000	96	222291	25.0	23.6	
92 Styrene	104	9.097	9.097	0.000	93	361991	25.0	23.9	
95 Bromoform	173	9.328	9.328	0.000	89	39058	25.0	22.2	
93 2-Chlorobenzotrifluoride	180	9.370	9.371	-0.001	89	182881	25.0	26.3	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	569115	25.0	27.6	
96 Cyclohexanone	55	9.602	9.602	0.000	88	45997	250.0	242.1	
101 Bromobenzene	156	9.796	9.796	0.000	93	140480	25.0	24.2	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.839	-0.006	81	115987	25.0	25.5	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	58	38296	25.0	23.9	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.881	0.001	29	43186	25.0	20.7	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	677123	25.0	28.9	
103 2-Chlorotoluene	126	9.979	9.985	-0.006	95	132941	25.0	25.9	
104 3-Chlorotoluene	126	10.046	10.046	0.000	98	142476	25.0	26.4	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	94	483931	25.0	27.4	
105 4-Chlorotoluene	126	10.094	10.094	0.000	80	141245	25.0	25.4	
106 tert-Butylbenzene	134	10.380	10.380	0.000	92	113298	25.0	27.1	
108 Pentachloroethane	167	10.429	10.429	0.000	32	56832	25.0	28.2	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	68	494932	25.0	27.4	
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	625285	25.0	28.3	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	284318	25.0	25.4	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	95	542339	25.0	26.5	
114 Dicyclopentadiene	66	10.794	10.800	-0.006	90	629401	25.0	27.8	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	83	278714	25.0	24.6	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	44	505012	25.0	29.3	
150 Benzyl chloride	126	10.946	10.946	0.000	99	37317	25.0	19.8	
115 n-Butylbenzene	91	11.116	11.123	-0.007	95	489334	25.0	29.8	
116 1,2-Dichlorobenzene	146	11.153	11.159	-0.006	90	264042	25.0	24.3	
117 1,2-Dibromo-3-Chloropropan	75	11.871	11.877	-0.006	49	17600	25.0	25.6	
118 1,3,5-Trichlorobenzene	180	12.029	12.029	0.000	96	211769	25.0	27.4	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	90	199996	25.0	25.1	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	98080	25.0	27.7	
121 Naphthalene	128	12.771	12.771	0.000	97	425286	25.0	23.0	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	92	180211	25.0	24.1	
149 2-Methylnaphthalene	142	13.690	13.684	0.006	88	254712	25.0	24.5	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_IS_00131	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00121	Amount Added:	1.00	Units: uL	Run Reagent

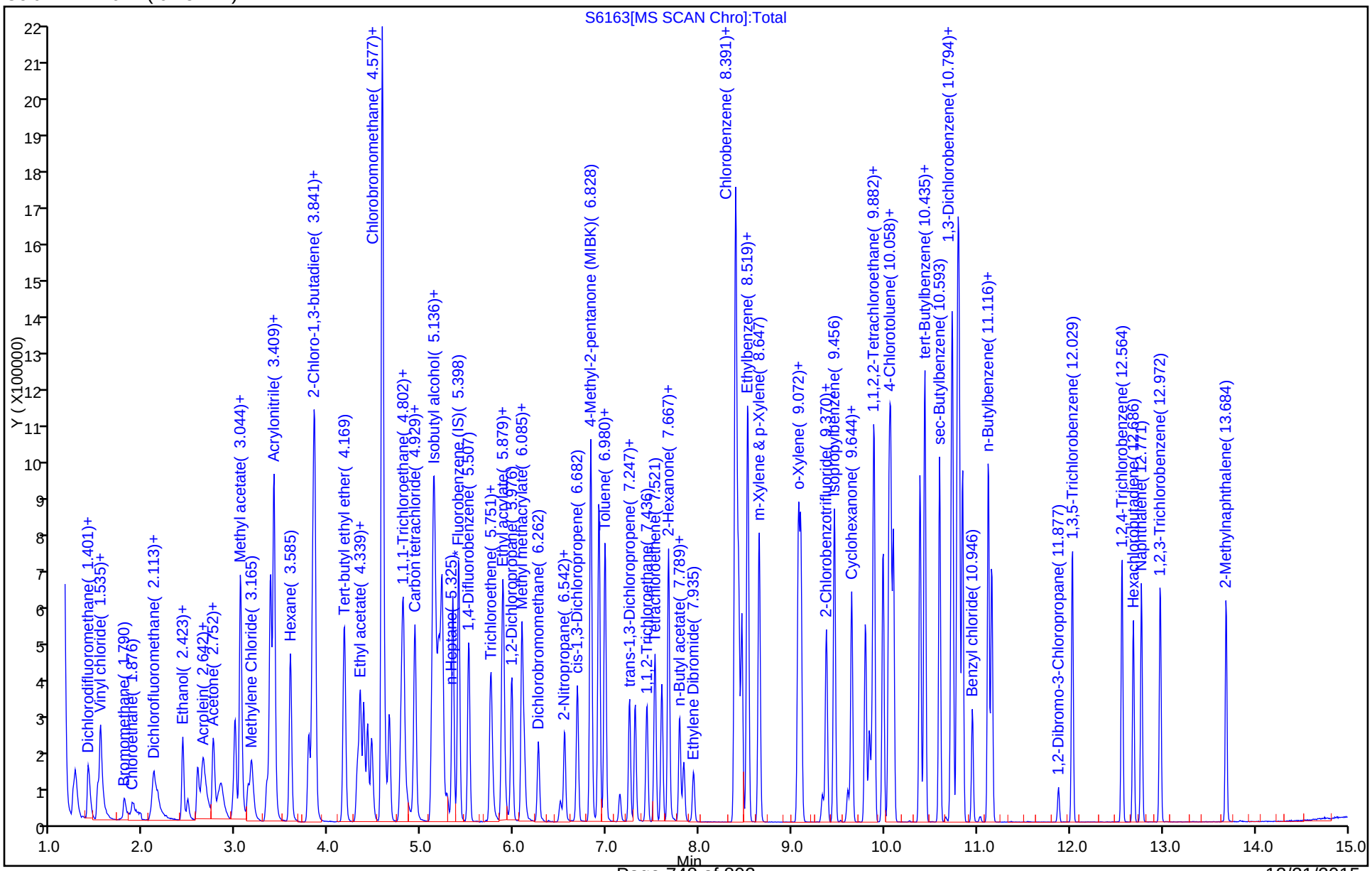
Report Date: 17-Dec-2015 00:18:04 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6163.D

Injection Date:	16-Dec-2015 23:36:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	LCS 480-280169/1-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S2 MS | Lab Sample ID: 480-92213-14 MS

Matrix: Solid | Lab File ID: P2263.D

Analysis Method: 8260C | Date Collected: 12/04/2015 14:10

Sample wt/vol: 5.04(g) | Date Analyzed: 12/11/2015 08:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	49.6		6.4	0.46
79-34-5	1,1,2,2-Tetrachloroethane	51.5		6.4	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	55.0		6.4	1.5
79-00-5	1,1,2-Trichloroethane	37.2		6.4	0.83
75-34-3	1,1-Dichloroethane	55.7		6.4	0.78
75-35-4	1,1-Dichloroethene	42.9		6.4	0.78
120-82-1	1,2,4-Trichlorobenzene	11.2		6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	26.1		6.4	3.2
106-93-4	1,2-Dibromoethane	25.4		6.4	0.82
95-50-1	1,2-Dichlorobenzene	30.6		6.4	0.50
107-06-2	1,2-Dichloroethane	36.2		6.4	0.32
78-87-5	1,2-Dichloropropane	36.3		6.4	3.2
541-73-1	1,3-Dichlorobenzene	31.0		6.4	0.33
106-46-7	1,4-Dichlorobenzene	28.2		6.4	0.89
78-93-3	2-Butanone (MEK)	188		32	2.3
591-78-6	2-Hexanone	133		32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	193		32	2.1
67-64-1	Acetone	400		32	5.4
71-43-2	Benzene	39.8		6.4	0.31
75-27-4	Bromodichloromethane	36.8		6.4	0.86
75-25-2	Bromoform	26.8		6.4	3.2
74-83-9	Bromomethane	63.0		6.4	0.57
75-15-0	Carbon disulfide	43.5		6.4	3.2
56-23-5	Carbon tetrachloride	49.0		6.4	0.62
108-90-7	Chlorobenzene	30.8		6.4	0.84
75-00-3	Chloroethane	67.7		6.4	1.4
67-66-3	Chloroform	45.1		6.4	0.39
74-87-3	Chloromethane	63.5		6.4	0.39
156-59-2	cis-1,2-Dichloroethene	71.6		6.4	0.82
10061-01-5	cis-1,3-Dichloropropene	27.4		6.4	0.92
110-82-7	Cyclohexane	38.0		6.4	0.89
124-48-1	Dibromochloromethane	38.1		6.4	0.82
75-71-8	Dichlorodifluoromethane	55.0		6.4	0.53
100-41-4	Ethylbenzene	33.7		6.4	0.44
98-82-8	Isopropylbenzene	64.8		6.4	0.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S2 MS | Lab Sample ID: 480-92213-14 MS

Matrix: Solid | Lab File ID: P2263.D

Analysis Method: 8260C | Date Collected: 12/04/2015 14:10

Sample wt/vol: 5.04(g) | Date Analyzed: 12/11/2015 08:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	197		6.4	3.9
1634-04-4	Methyl tert-butyl ether	51.6		6.4	0.63
108-87-2	Methylcyclohexane	31.3		6.4	0.97
75-09-2	Methylene Chloride	78.6		6.4	2.9
100-42-5	Styrene	24.2		6.4	0.32
127-18-4	Tetrachloroethene	43.5		6.4	0.86
108-88-3	Toluene	36.7		6.4	0.48
156-60-5	trans-1,2-Dichloroethene	40.1		6.4	0.66
10061-02-6	trans-1,3-Dichloropropene	26.9		6.4	2.8
79-01-6	Trichloroethene	62.5		6.4	1.4
75-69-4	Trichlorofluoromethane	54.0		6.4	0.60
75-01-4	Vinyl chloride	55.2		6.4	0.78
1330-20-7	Xylenes, Total	64.2		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-126
460-00-4	4-Bromofluorobenzene (Surr)	70	X	72-126
2037-26-5	Toluene-d8 (Surr)	121		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2263.D
Lims ID: 480-92213-A-14-E MS
Client ID: B9-AREA2-S2
Sample Type: MS
Inject. Date: 11-Dec-2015 08:44:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-14-E MS
Misc. Info.: 480-0049138-023
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 11:36:44 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 11:42:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	240851	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	380892	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.830	-0.006	96	183383	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	179644	50.0	48.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.884	-0.006	93	1004677	50.0	60.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	95	203681	50.0	35.1	
10 Dichlorodifluoromethane	85	4.042	4.042	0.000	98	329954	50.0	43.1	
11 Chloromethane	50	4.340	4.346	-0.006	98	341140	50.0	49.8	
17 Vinyl chloride	62	4.577	4.571	0.006	97	234666	50.0	43.3	
12 Bromomethane	94	5.125	5.119	0.006	94	153879	50.0	49.3	
13 Chloroethane	64	5.259	5.252	0.007	96	181538	50.0	53.0	
14 Trichlorofluoromethane	101	5.685	5.672	0.013	99	406699	50.0	42.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	95	346169	50.0	43.1	
25 1,1-Dichloroethene	96	6.378	6.372	0.006	92	269783	50.0	33.6	
24 Acetone	43	6.396	6.390	0.006	97	865537	250.0	313.6	
30 Methyl acetate	43	6.774	6.767	0.007	99	974894	250.0	154.2	
27 Carbon disulfide	76	6.780	6.773	0.007	96	848822	50.0	34.1	
31 Methylene Chloride	84	6.986	6.986	0.000	94	427923	50.0	61.5	
32 Methyl tert-butyl ether	73	7.230	7.223	0.007	99	866289	50.0	40.4	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	93	213030	50.0	31.4	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	657043	50.0	43.6	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	97	600609	250.0	147.5	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	86	412379	50.0	56.1	
49 Chloroform	83	8.885	8.878	0.007	96	457787	50.0	35.3	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	334991	50.0	38.8	
54 Cyclohexane	56	9.219	9.213	0.006	96	457589	50.0	29.7	
55 Carbon tetrachloride	117	9.353	9.347	0.006	96	368853	50.0	38.4	
57 Benzene	78	9.602	9.596	0.006	98	829083	50.0	31.2	
60 1,2-Dichloroethane	62	9.627	9.620	0.007	96	339801	50.0	28.3	
62 Trichloroethene	95	10.357	10.350	0.007	94	351944	50.0	48.9	
64 Methylcyclohexane	83	10.588	10.588	0.000	99	301996	50.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	90	219248	50.0	28.4	
70 Dichlorobromomethane	83	10.996	10.989	0.007	98	279031	50.0	28.8	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	240808	50.0	21.5	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	951904	250.0	150.8	
76 Toluene	92	11.975	11.969	0.006	97	389348	50.0	28.8	
78 trans-1,3-Dichloropropene	75	12.237	12.230	0.007	95	163610	50.0	21.1	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	108075	50.0	29.1	
80 Tetrachloroethene	166	12.717	12.711	0.006	92	176801	50.0	34.0	
83 2-Hexanone	43	12.723	12.723	0.000	98	452538	250.0	104.2	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	151254	50.0	29.8	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	96611	50.0	19.9	
87 Chlorobenzene	112	13.885	13.885	0.000	93	355324	50.0	24.1	
89 Ethylbenzene	91	13.946	13.946	0.000	98	618329	50.0	26.4	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	238314		24.0	
93 o-Xylene	106	14.640	14.633	0.007	97	263133		26.3	
94 Styrene	104	14.658	14.652	0.006	94	293294	50.0	18.9	
92 Bromoform	173	15.011	15.010	0.001	95	67023	50.0	21.0	
95 Isopropylbenzene	105	15.078	15.077	0.001	96	659825	50.0	50.8	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	123953	50.0	40.3	
110 1,3-Dichlorobenzene	146	16.757	16.750	0.007	97	150197	50.0	24.3	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	94	131954	50.0	22.1	
116 1,2-Dichlorobenzene	146	17.347	17.340	0.007	95	147992	50.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	74	13763	50.0	20.5	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	37995	50.0	8.75	
S 126 Xylenes, Total	1				0			50.3	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

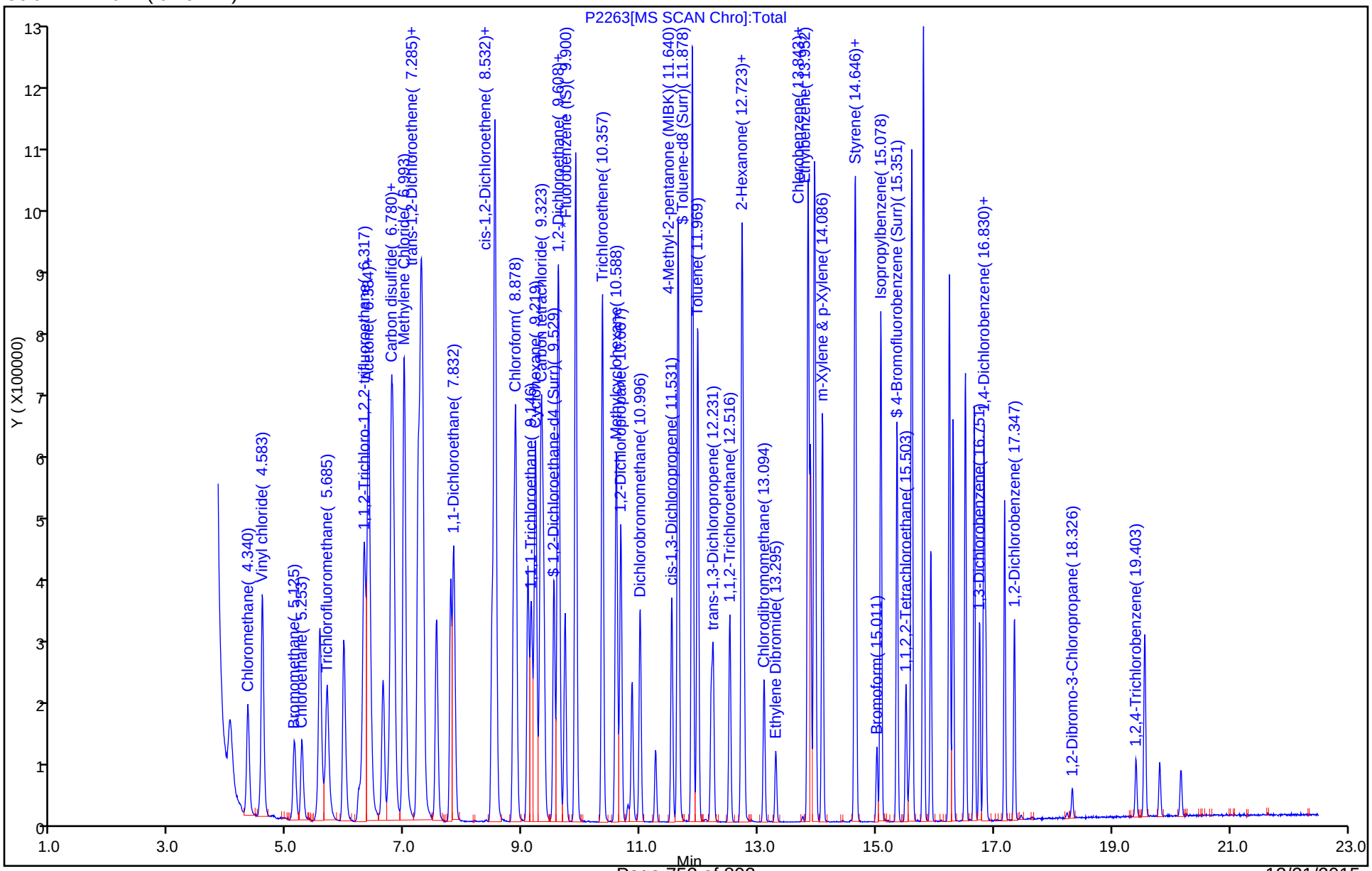
Report Date: 11-Dec-2015 11:42:02 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2263.D

Injection Date:	11-Dec-2015 08:44:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-14-E MS			Worklist Smp#:	23
Client ID:	B9-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B-AREA2-DUP1 MS | Lab Sample ID: 480-92213-15 MS

Matrix: Solid | Lab File ID: P2285.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:55

Sample wt/vol: 5.01(g) | Date Analyzed: 12/11/2015 21:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	37.3		5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	55.6		5.6	0.91
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	35.4		5.6	1.3
79-00-5	1,1,2-Trichloroethane	33.2		5.6	0.73
75-34-3	1,1-Dichloroethane	36.8		5.6	0.68
75-35-4	1,1-Dichloroethene	34.8		5.6	0.68
120-82-1	1,2,4-Trichlorobenzene	4.61	J	5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	26.7		5.6	2.8
106-93-4	1,2-Dibromoethane	22.0		5.6	0.72
95-50-1	1,2-Dichlorobenzene	23.2		5.6	0.44
107-06-2	1,2-Dichloroethane	27.4		5.6	0.28
78-87-5	1,2-Dichloropropane	29.4		5.6	2.8
541-73-1	1,3-Dichlorobenzene	21.1		5.6	0.29
106-46-7	1,4-Dichlorobenzene	19.6		5.6	0.78
78-93-3	2-Butanone (MEK)	134		28	2.0
591-78-6	2-Hexanone	102		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	154		28	1.8
67-64-1	Acetone	171		28	4.7
71-43-2	Benzene	32.3		5.6	0.27
75-27-4	Bromodichloromethane	28.9		5.6	0.75
75-25-2	Bromoform	23.2		5.6	2.8
74-83-9	Bromomethane	69.0		5.6	0.50
75-15-0	Carbon disulfide	35.4		5.6	2.8
56-23-5	Carbon tetrachloride	36.5		5.6	0.54
108-90-7	Chlorobenzene	25.4		5.6	0.74
75-00-3	Chloroethane	59.3		5.6	1.3
67-66-3	Chloroform	35.5		5.6	0.35
74-87-3	Chloromethane	59.5		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	33.7		5.6	0.72
10061-01-5	cis-1,3-Dichloropropene	21.8		5.6	0.80
110-82-7	Cyclohexane	31.1		5.6	0.78
124-48-1	Dibromochloromethane	33.2		5.6	0.72
75-71-8	Dichlorodifluoromethane	50.7		5.6	0.46
100-41-4	Ethylbenzene	25.2		5.6	0.39
98-82-8	Isopropylbenzene	56.2		5.6	0.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B-AREA2-DUP1 MS | Lab Sample ID: 480-92213-15 MS

Matrix: Solid | Lab File ID: P2285.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:55

Sample wt/vol: 5.01(g) | Date Analyzed: 12/11/2015 21:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	154		5.6	3.4
1634-04-4	Methyl tert-butyl ether	38.5		5.6	0.55
108-87-2	Methylcyclohexane	24.1		5.6	0.85
75-09-2	Methylene Chloride	64.0		5.6	2.6
100-42-5	Styrene	17.6		5.6	0.28
127-18-4	Tetrachloroethene	31.6		5.6	0.75
108-88-3	Toluene	32.1		5.6	0.42
156-60-5	trans-1,2-Dichloroethene	31.7		5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	22.8		5.6	2.5
79-01-6	Trichloroethene	25.5		5.6	1.2
75-69-4	Trichlorofluoromethane	43.1		5.6	0.53
75-01-4	Vinyl chloride	52.3		5.6	0.68
1330-20-7	Xylenes, Total	50.2		11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		64-126
460-00-4	4-Bromofluorobenzene (Surr)	64	X	72-126
2037-26-5	Toluene-d8 (Surr)	127	X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2285.D
Lims ID: 480-92213-A-15-C MS
Client ID:
Sample Type: MS
Inject. Date: 11-Dec-2015 21:39:30 ALS Bottle#: 14 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-15-C MS
Misc. Info.: 480-0049158-026
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 08:04:46 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 08:05:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	279820	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	405773	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	96	154629	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	198527	50.0	45.9	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	1125479	50.0	63.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	89	197201	50.0	31.9	
10 Dichlorodifluoromethane	85	4.042	4.036	0.006	99	403651	50.0	45.4	
11 Chloromethane	50	4.340	4.340	0.000	99	423522	50.0	53.2	
17 Vinyl chloride	62	4.577	4.577	0.000	98	294757	50.0	46.8	
12 Bromomethane	94	5.125	5.125	0.000	93	223612	50.0	61.7	
13 Chloroethane	64	5.259	5.252	0.007	96	211203	50.0	53.1	
14 Trichlorofluoromethane	101	5.678	5.672	0.006	99	430806	50.0	38.5	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	94	294949	50.0	31.6	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	290656	50.0	31.1	
24 Acetone	43	6.402	6.396	0.006	98	491513	250.0	153.3	
30 Methyl acetate	43	6.773	6.767	0.006	100	1008875	250.0	137.3	
27 Carbon disulfide	76	6.786	6.779	0.007	73	914872	50.0	31.6	
31 Methylene Chloride	84	6.986	6.986	0.000	94	463658	50.0	57.2	
32 Methyl tert-butyl ether	73	7.236	7.223	0.013	99	857762	50.0	34.4	
35 trans-1,2-Dichloroethene	96	7.309	7.296	0.013	93	223363	50.0	28.4	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	576963	50.0	33.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	565097	250.0	119.5	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	87	257350	50.0	30.1	
49 Chloroform	83	8.884	8.878	0.006	96	478229	50.0	31.7	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	334285	50.0	33.4	
54 Cyclohexane	56	9.219	9.213	0.006	95	497754	50.0	27.8	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	364695	50.0	32.7	
57 Benzene	78	9.602	9.596	0.006	98	891218	50.0	28.9	
60 1,2-Dichloroethane	62	9.627	9.620	0.007	96	342014	50.0	24.5	
62 Trichloroethene	95	10.357	10.350	0.007	95	190860	50.0	22.8	
64 Methylcyclohexane	83	10.588	10.582	0.006	97	308243	50.0	21.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	235782	50.0	26.3	
70 Dichlorobromomethane	83	10.995	10.989	0.006	98	290622	50.0	25.9	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	91	254336	50.0	19.5	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	924880	250.0	137.6	
76 Toluene	92	11.969	11.969	0.000	97	414424	50.0	28.8	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	95	168475	50.0	20.4	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	117426	50.0	29.7	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	156593	50.0	28.3	
83 2-Hexanone	43	12.723	12.723	0.000	99	422323	250.0	91.3	
81 Chlorodibromomethane	129	13.100	13.094	0.006	90	160343	50.0	29.7	
85 Ethylene Dibromide	107	13.295	13.295	0.000	97	101432	50.0	19.6	
87 Chlorobenzene	112	13.885	13.879	0.006	93	357415	50.0	22.8	
89 Ethylbenzene	91	13.946	13.946	0.000	98	562330	50.0	22.5	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	217099		20.5	
93 o-Xylene	106	14.639	14.633	0.006	97	260246		24.4	
94 Styrene	104	14.652	14.651	0.001	95	259488	50.0	15.7	
92 Bromoform	173	15.011	15.010	0.000	95	70370	50.0	20.7	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	550402	50.0	50.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	129017	50.0	49.8	
110 1,3-Dichlorobenzene	146	16.756	16.750	0.006	97	98236	50.0	18.9	
111 1,4-Dichlorobenzene	146	16.854	16.860	-0.006	94	88586	50.0	17.6	
116 1,2-Dichlorobenzene	146	17.341	17.347	-0.007	95	107855	50.0	20.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	75	13540	50.0	23.9	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	15090	50.0	4.12	
S 126 Xylenes, Total	1				0			44.9	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

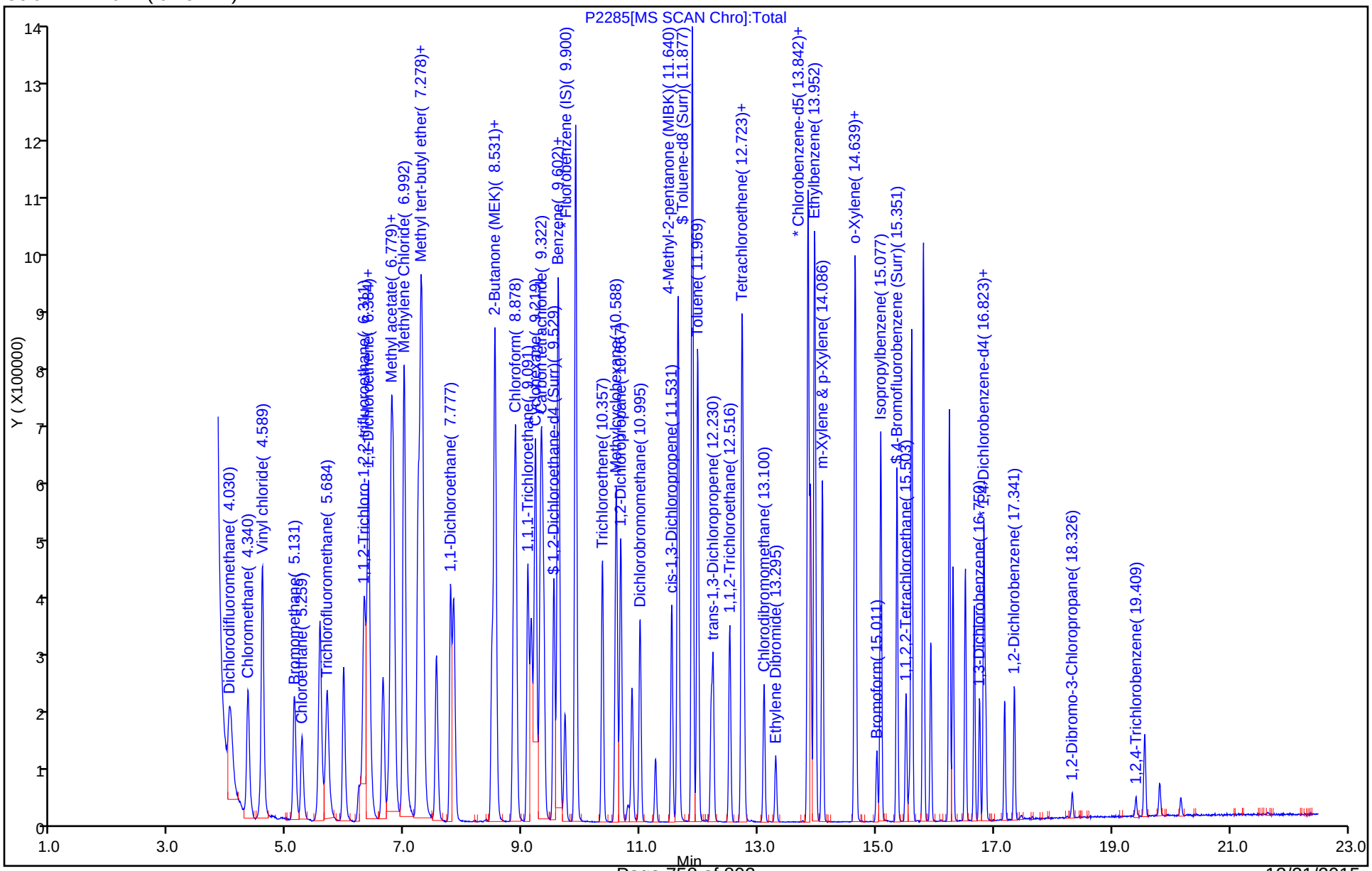
Report Date: 12-Dec-2015 08:05:39 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2285.D

Injection Date:	11-Dec-2015 21:39:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-15-C MS			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S2 MSD | Lab Sample ID: 480-92213-14 MSD

Matrix: Solid | Lab File ID: P2264.D

Analysis Method: 8260C | Date Collected: 12/04/2015 14:10

Sample wt/vol: 5.09(g) | Date Analyzed: 12/11/2015 09:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	44.5		6.3	0.46
79-34-5	1,1,2,2-Tetrachloroethane	32.8		6.3	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	58.1		6.3	1.4
79-00-5	1,1,2-Trichloroethane	34.3		6.3	0.82
75-34-3	1,1-Dichloroethane	59.6		6.3	0.77
75-35-4	1,1-Dichloroethene	40.7		6.3	0.77
120-82-1	1,2,4-Trichlorobenzene	14.6		6.3	0.38
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		6.3	3.2
106-93-4	1,2-Dibromoethane	26.3		6.3	0.81
95-50-1	1,2-Dichlorobenzene	27.4		6.3	0.49
107-06-2	1,2-Dichloroethane	35.3		6.3	0.32
78-87-5	1,2-Dichloropropane	35.3		6.3	3.2
541-73-1	1,3-Dichlorobenzene	28.3		6.3	0.32
106-46-7	1,4-Dichlorobenzene	26.8		6.3	0.88
78-93-3	2-Butanone (MEK)	182		32	2.3
591-78-6	2-Hexanone	135		32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	174		32	2.1
67-64-1	Acetone	383		32	5.3
71-43-2	Benzene	37.8		6.3	0.31
75-27-4	Bromodichloromethane	36.4		6.3	0.85
75-25-2	Bromoform	28.4		6.3	3.2
74-83-9	Bromomethane	54.5		6.3	0.57
75-15-0	Carbon disulfide	40.0		6.3	3.2
56-23-5	Carbon tetrachloride	44.7		6.3	0.61
108-90-7	Chlorobenzene	31.7		6.3	0.83
75-00-3	Chloroethane	58.5		6.3	1.4
67-66-3	Chloroform	41.8		6.3	0.39
74-87-3	Chloromethane	57.7		6.3	0.38
156-59-2	cis-1,2-Dichloroethene	86.4		6.3	0.81
10061-01-5	cis-1,3-Dichloropropene	29.5		6.3	0.91
110-82-7	Cyclohexane	36.6		6.3	0.88
124-48-1	Dibromochloromethane	35.2		6.3	0.81
75-71-8	Dichlorodifluoromethane	49.7		6.3	0.52
100-41-4	Ethylbenzene	33.7		6.3	0.44
98-82-8	Isopropylbenzene	42.0		6.3	0.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B9-AREA2-S2 MSD | Lab Sample ID: 480-92213-14 MSD

Matrix: Solid | Lab File ID: P2264.D

Analysis Method: 8260C | Date Collected: 12/04/2015 14:10

Sample wt/vol: 5.09(g) | Date Analyzed: 12/11/2015 09:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.3 | Level: (low/med) Low

Analysis Batch No.: 279212 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	193		6.3	3.8
1634-04-4	Methyl tert-butyl ether	48.0		6.3	0.62
108-87-2	Methylcyclohexane	32.3		6.3	0.96
75-09-2	Methylene Chloride	83.9		6.3	2.9
100-42-5	Styrene	28.0		6.3	0.32
127-18-4	Tetrachloroethene	42.0		6.3	0.85
108-88-3	Toluene	33.7		6.3	0.48
156-60-5	trans-1,2-Dichloroethene	38.5		6.3	0.65
10061-02-6	trans-1,3-Dichloropropene	28.5		6.3	2.8
79-01-6	Trichloroethene	76.3		6.3	1.4
75-69-4	Trichlorofluoromethane	48.7		6.3	0.60
75-01-4	Vinyl chloride	50.9		6.3	0.77
1330-20-7	Xylenes, Total	65.2		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
460-00-4	4-Bromofluorobenzene (Surr)	86		72-126
2037-26-5	Toluene-d8 (Surr)	110		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2264.D
Lims ID: 480-92213-A-14-F MSD
Client ID: B9-AREA2-S2
Sample Type: MSD
Inject. Date: 11-Dec-2015 09:11:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-14-F MSD
Misc. Info.: 480-0049138-024
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 11:36:44 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Dec-2015 11:42:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.900	0.001	97	259320	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	470044	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	96	352121	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	192276	50.0	48.0	
$ 5 Toluene-d8 (Surr)	98	11.878	11.884	-0.006	93	1135318	50.0	55.2	
$ 6 4-Bromofluorobenzene (Surr	174	15.358	15.357	0.001	89	308517	50.0	43.1	
10 Dichlorodifluoromethane	85	4.030	4.042	-0.012	99	324403	50.0	39.4	
11 Chloromethane	50	4.334	4.346	-0.012	99	336801	50.0	45.6	
17 Vinyl chloride	62	4.565	4.571	-0.006	98	234980	50.0	40.2	
12 Bromomethane	94	5.125	5.119	0.006	94	144898	50.0	43.1	
13 Chloroethane	64	5.253	5.252	0.001	96	170815	50.0	46.3	
14 Trichlorofluoromethane	101	5.679	5.672	0.007	98	399133	50.0	38.5	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	94	396994	50.0	45.9	
25 1,1-Dichloroethene	96	6.378	6.372	0.006	93	278260	50.0	32.2	
24 Acetone	43	6.390	6.390	0.000	98	899272	250.0	302.6	
30 Methyl acetate	43	6.768	6.767	0.001	100	1040721	250.0	152.8	
27 Carbon disulfide	76	6.780	6.773	0.007	99	847847	50.0	31.6	
31 Methylene Chloride	84	6.987	6.986	0.000	94	495571	50.0	66.4	
32 Methyl tert-butyl ether	73	7.230	7.223	0.007	99	876998	50.0	38.0	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	92	222407	50.0	30.5	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	764922	50.0	47.1	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	630816	250.0	143.9	
43 cis-1,2-Dichloroethene	96	8.526	8.525	0.001	86	541257	50.0	68.4	
49 Chloroform	83	8.885	8.878	0.007	96	461451	50.0	33.0	
52 1,1,1-Trichloroethane	97	9.140	9.146	-0.006	98	326740	50.0	35.2	
54 Cyclohexane	56	9.219	9.213	0.006	95	479361	50.0	28.9	
55 Carbon tetrachloride	117	9.347	9.347	0.000	96	365886	50.0	35.3	
57 Benzene	78	9.602	9.596	0.006	98	855734	50.0	29.9	
60 1,2-Dichloroethane	62	9.621	9.620	0.001	97	361016	50.0	28.0	
62 Trichloroethene	95	10.351	10.350	0.001	94	467589	50.0	60.4	
64 Methylcyclohexane	83	10.594	10.588	0.006	99	338775	50.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	90	231530	50.0	27.9	
70 Dichlorobromomethane	83	10.996	10.989	0.007	98	299493	50.0	28.8	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	89	281656	50.0	23.3	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	1071588	250.0	137.6	
76 Toluene	92	11.969	11.969	0.000	97	445366	50.0	26.7	
78 trans-1,3-Dichloropropene	75	12.231	12.230	0.001	98	216198	50.0	22.6	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	94	124205	50.0	27.1	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	213034	50.0	33.2	
83 2-Hexanone	43	12.729	12.723	0.006	98	570528	250.0	106.4	
81 Chlorodibromomethane	129	13.101	13.094	0.006	91	174452	50.0	27.9	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	124393	50.0	20.8	
87 Chlorobenzene	112	13.885	13.885	0.000	93	456814	50.0	25.1	
89 Ethylbenzene	91	13.946	13.946	0.000	98	772399	50.0	26.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	306010		25.0	
93 o-Xylene	106	14.640	14.633	0.007	96	329368		26.7	
94 Styrene	104	14.658	14.652	0.006	94	422918	50.0	22.1	
92 Bromoform	173	15.011	15.010	0.001	95	88589	50.0	22.5	
95 Isopropylbenzene	105	15.078	15.077	0.001	96	829242	50.0	33.2	
97 1,1,2,2-Tetrachloroethane	83	15.510	15.503	0.007	97	153423	50.0	26.0	
110 1,3-Dichlorobenzene	146	16.757	16.750	0.007	97	265925	50.0	22.4	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	94	243887	50.0	21.2	
116 1,2-Dichlorobenzene	146	17.347	17.340	0.007	95	257205	50.0	21.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	78	21288	50.0	16.5	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	95	96180	50.0	11.5	
S 126 Xylenes, Total	1				0			51.6	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

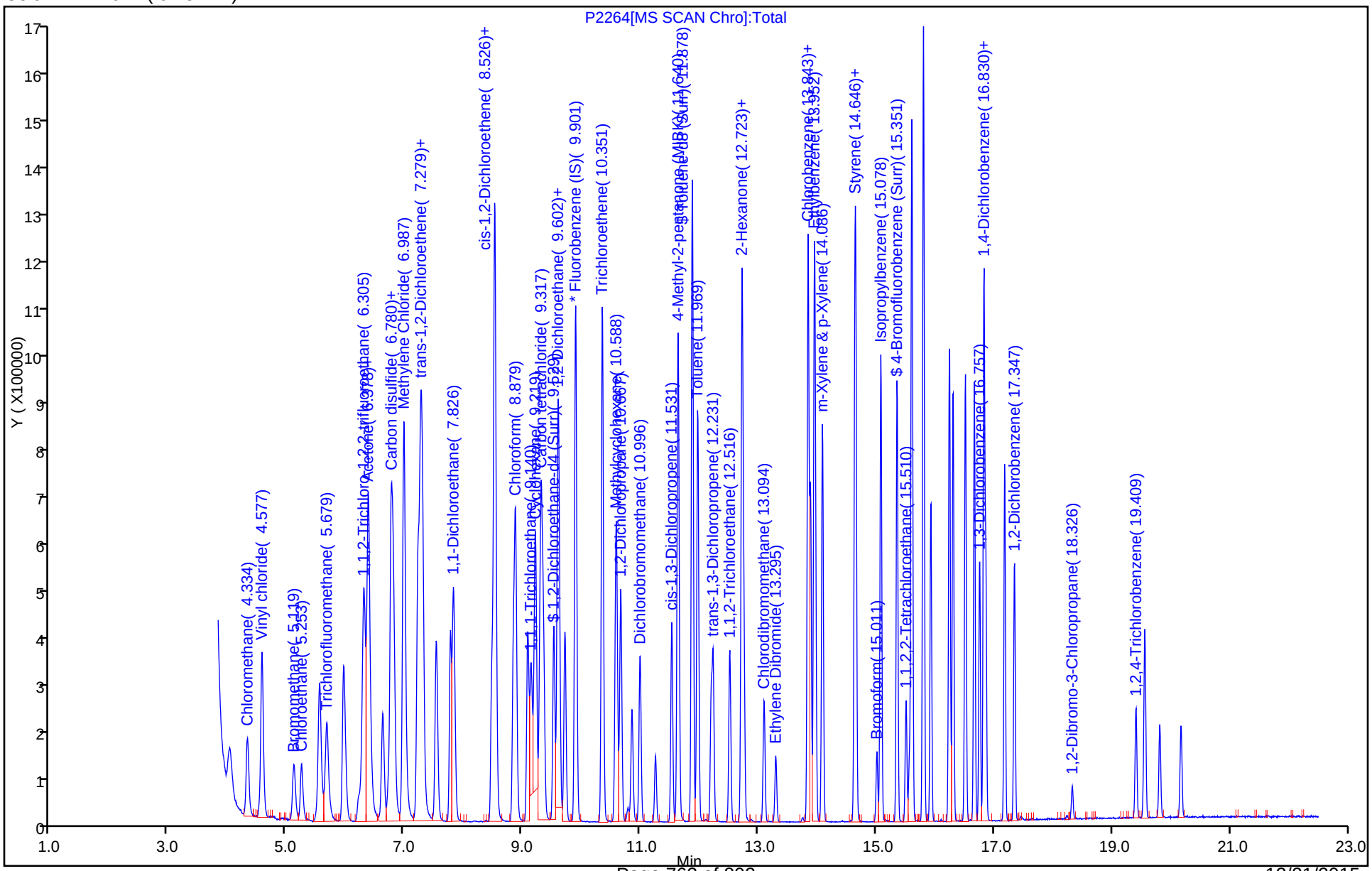
Report Date: 11-Dec-2015 11:42:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151210-49138.b\P2264.D

Injection Date:	11-Dec-2015 09:11:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92213-A-14-F MSD			Worklist Smp#:	24
Client ID:	B9-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B-AREA2-DUP1 MSD | Lab Sample ID: 480-92213-15 MSD

Matrix: Solid | Lab File ID: P2286.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:55

Sample wt/vol: 5.12(g) | Date Analyzed: 12/11/2015 22:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	40.4		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	72.1		5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	38.2		5.5	1.2
79-00-5	1,1,2-Trichloroethane	36.9		5.5	0.71
75-34-3	1,1-Dichloroethane	39.4		5.5	0.67
75-35-4	1,1-Dichloroethene	37.3		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	7.72		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	34.6		5.5	2.7
106-93-4	1,2-Dibromoethane	24.8		5.5	0.70
95-50-1	1,2-Dichlorobenzene	32.6		5.5	0.43
107-06-2	1,2-Dichloroethane	29.0		5.5	0.27
78-87-5	1,2-Dichloropropane	31.0		5.5	2.7
541-73-1	1,3-Dichlorobenzene	31.0		5.5	0.28
106-46-7	1,4-Dichlorobenzene	28.8		5.5	0.77
78-93-3	2-Butanone (MEK)	146		27	2.0
591-78-6	2-Hexanone	117		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	176		27	1.8
67-64-1	Acetone	179		27	4.6
71-43-2	Benzene	34.5		5.5	0.27
75-27-4	Bromodichloromethane	30.9		5.5	0.73
75-25-2	Bromoform	26.3		5.5	2.7
74-83-9	Bromomethane	69.8		5.5	0.49
75-15-0	Carbon disulfide	38.7		5.5	2.7
56-23-5	Carbon tetrachloride	39.5		5.5	0.53
108-90-7	Chlorobenzene	29.2		5.5	0.72
75-00-3	Chloroethane	63.5		5.5	1.2
67-66-3	Chloroform	37.9		5.5	0.34
74-87-3	Chloromethane	63.1		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	36.3		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	23.6		5.5	0.79
110-82-7	Cyclohexane	33.9		5.5	0.77
124-48-1	Dibromochloromethane	36.6		5.5	0.70
75-71-8	Dichlorodifluoromethane	55.1		5.5	0.45
100-41-4	Ethylbenzene	29.2		5.5	0.38
98-82-8	Isopropylbenzene	76.7		5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92213-1

SDG No.:

Client Sample ID: B-AREA2-DUP1 MSD | Lab Sample ID: 480-92213-15 MSD

Matrix: Solid | Lab File ID: P2286.D

Analysis Method: 8260C | Date Collected: 12/04/2015 10:55

Sample wt/vol: 5.12(g) | Date Analyzed: 12/11/2015 22:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 279321 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	163		5.5	3.3
1634-04-4	Methyl tert-butyl ether	40.3		5.5	0.54
108-87-2	Methylcyclohexane	26.2		5.5	0.83
75-09-2	Methylene Chloride	66.3		5.5	2.5
100-42-5	Styrene	20.4		5.5	0.27
127-18-4	Tetrachloroethene	36.5		5.5	0.73
108-88-3	Toluene	36.4		5.5	0.41
156-60-5	trans-1,2-Dichloroethene	34.4		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	26.2		5.5	2.4
79-01-6	Trichloroethene	28.4		5.5	1.2
75-69-4	Trichlorofluoromethane	46.6		5.5	0.52
75-01-4	Vinyl chloride	55.9		5.5	0.67
1330-20-7	Xylenes, Total	56.7		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		64-126
460-00-4	4-Bromofluorobenzene (Surr)	59	X	72-126
2037-26-5	Toluene-d8 (Surr)	130	X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2286.D
Lims ID: 480-92213-A-15-D MSD
Client ID:
Sample Type: MSD
Inject. Date: 11-Dec-2015 22:06:30 ALS Bottle#: 15 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92213-A-15-D MSD
Misc. Info.: 480-0049158-027
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Dec-2015 08:04:46 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 12-Dec-2015 08:05:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	271866	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	373013	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	96	123143	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	195852	50.0	46.6	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1063278	50.0	65.2	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	89	168204	50.0	29.6	
10 Dichlorodifluoromethane	85	4.036	4.036	0.000	99	435340	50.0	50.4	
11 Chloromethane	50	4.334	4.340	-0.006	99	445981	50.0	57.7	
17 Vinyl chloride	62	4.565	4.577	-0.012	98	312613	50.0	51.1	
12 Bromomethane	94	5.119	5.125	-0.006	93	224807	50.0	63.8	
13 Chloroethane	64	5.253	5.252	0.001	96	224366	50.0	58.0	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	98	462449	50.0	42.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	316371	50.0	34.9	
25 1,1-Dichloroethene	96	6.372	6.378	-0.006	92	309371	50.0	34.1	
24 Acetone	43	6.390	6.396	-0.006	98	509411	250.0	163.5	
30 Methyl acetate	43	6.773	6.767	0.006	100	1065646	250.0	149.3	
27 Carbon disulfide	76	6.780	6.779	0.001	100	993231	50.0	35.3	
31 Methylene Chloride	84	6.986	6.986	0.000	94	475751	50.0	60.6	
32 Methyl tert-butyl ether	73	7.230	7.223	0.007	99	891394	50.0	36.8	
35 trans-1,2-Dichloroethene	96	7.303	7.296	0.007	93	240535	50.0	31.4	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	96	612669	50.0	36.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	612351	250.0	133.3	
43 cis-1,2-Dichloroethene	96	8.526	8.525	0.001	87	275068	50.0	33.1	
49 Chloroform	83	8.884	8.878	0.006	95	507309	50.0	34.6	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	359537	50.0	36.9	
54 Cyclohexane	56	9.213	9.213	0.000	95	538429	50.0	31.0	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	391992	50.0	36.1	
57 Benzene	78	9.596	9.596	0.000	98	944744	50.0	31.5	
60 1,2-Dichloroethane	62	9.627	9.620	0.007	97	359269	50.0	26.5	
62 Trichloroethene	95	10.351	10.350	0.001	95	210689	50.0	26.0	
64 Methylcyclohexane	83	10.588	10.582	0.006	98	332695	50.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	246874	50.0	28.4	
70 Dichlorobromomethane	83	10.989	10.989	0.000	97	308678	50.0	28.3	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	272897	50.0	21.6	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	992819	250.0	160.7	
76 Toluene	92	11.969	11.969	0.000	97	441336	50.0	33.3	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	95	182412	50.0	24.0	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	122637	50.0	33.8	
80 Tetrachloroethene	166	12.717	12.717	0.000	94	169906	50.0	33.4	
83 2-Hexanone	43	12.723	12.723	0.000	97	454143	250.0	106.8	
81 Chlorodibromomethane	129	13.094	13.094	0.000	91	166273	50.0	33.5	
85 Ethylene Dibromide	107	13.295	13.295	0.000	97	107480	50.0	22.6	
87 Chlorobenzene	112	13.885	13.879	0.006	93	385209	50.0	26.7	
89 Ethylbenzene	91	13.946	13.946	0.000	98	611906	50.0	26.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	232595		23.9	
93 o-Xylene	106	14.640	14.633	0.007	97	273876		28.0	
94 Styrene	104	14.658	14.651	0.007	94	282508	50.0	18.6	
92 Bromoform	173	15.011	15.010	0.001	95	75019	50.0	24.0	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	612116	50.0	70.1	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	136030	50.0	65.9	
110 1,3-Dichlorobenzene	146	16.751	16.750	0.001	96	117394	50.0	28.3	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	93	105669	50.0	26.3	
116 1,2-Dichlorobenzene	146	17.341	17.347	-0.006	96	123786	50.0	29.8	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.326	-0.006	77	14271	50.0	31.6	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	20579	50.0	7.06	
S 126 Xylenes, Total	1				0			51.9	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

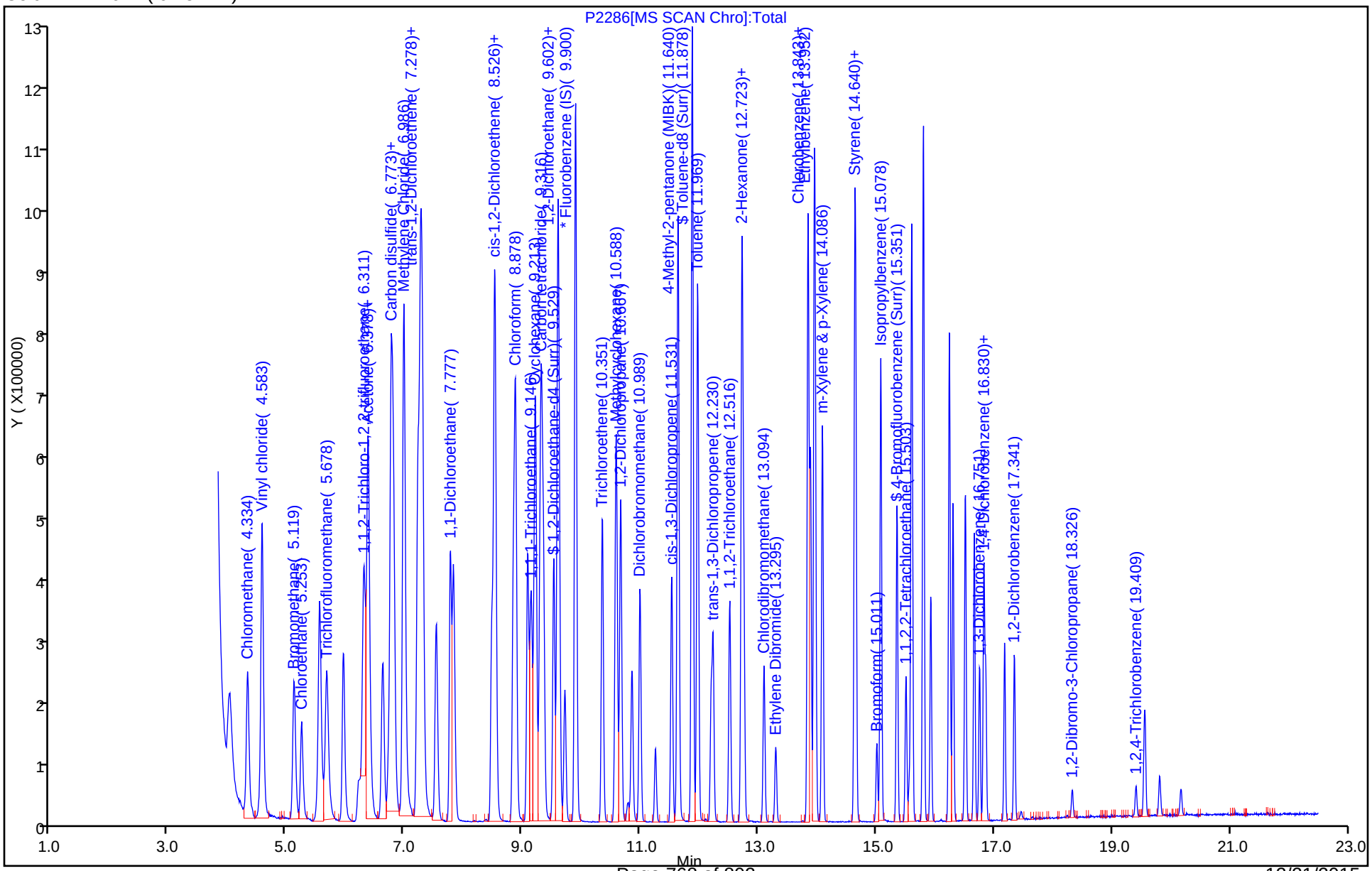
Report Date: 12-Dec-2015 08:05:57 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151211-49158.b\P2286.D

Injection Date:	11-Dec-2015 22:06:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92213-A-15-D MSD			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973C Start Date: 12/11/2015 13:23

Analysis Batch Number: 279331 End Date: 12/12/2015 00:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279331/2		12/11/2015 13:23	1	C59579.D	ZB-624 (30) 0.53(mm)
IC 480-279331/4		12/11/2015 14:15	1	C59581.D	ZB-624 (30) 0.53(mm)
IC 480-279331/5		12/11/2015 14:41	1	C59582.D	ZB-624 (30) 0.53(mm)
IC 480-279331/6		12/11/2015 15:07	1	C59583.D	ZB-624 (30) 0.53(mm)
IC 480-279331/7		12/11/2015 15:58	1	C59584.D	ZB-624 (30) 0.53(mm)
IC 480-279331/8		12/11/2015 16:23	1	C59585.D	ZB-624 (30) 0.53(mm)
ICIS 480-279331/9		12/11/2015 16:49	1	C59586.D	ZB-624 (30) 0.53(mm)
IC 480-279331/10		12/11/2015 17:15	1	C59587.D	ZB-624 (30) 0.53(mm)
IC 480-279331/11		12/11/2015 17:40	1	C59588.D	ZB-624 (30) 0.53(mm)
MDLV 480-279331/13		12/11/2015 18:32	1		ZB-624 (30) 0.53(mm)
MDLV 480-279331/14		12/11/2015 18:57	1		ZB-624 (30) 0.53(mm)
IC 480-279331/16		12/11/2015 19:49	1		ZB-624 (30) 0.53(mm)
IC 480-279331/17		12/11/2015 20:14	1		ZB-624 (30) 0.53(mm)
IC 480-279331/18		12/11/2015 20:40	1		ZB-624 (30) 0.53(mm)
IC 480-279331/19		12/11/2015 21:06	1		ZB-624 (30) 0.53(mm)
IC 480-279331/20		12/11/2015 21:32	1		ZB-624 (30) 0.53(mm)
IC 480-279331/21		12/11/2015 21:58	1		ZB-624 (30) 0.53(mm)
IC 480-279331/22		12/11/2015 22:23	1		ZB-624 (30) 0.53(mm)
MDLV 480-279331/24		12/11/2015 23:15	1		ZB-624 (30) 0.53(mm)
ICV 480-279331/25		12/11/2015 23:40	1		ZB-624 (30) 0.53(mm)
ICV 480-279331/26		12/12/2015 00:06	1		ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973C Start Date: 12/16/2015 09:32

Analysis Batch Number: 280006 End Date: 12/16/2015 20:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280006/1		12/16/2015 09:32	1	C59690.D	ZB-624 (30) 0.53(mm)
CCVIS 480-280006/2		12/16/2015 10:01	1	C59691.D	ZB-624 (30) 0.53(mm)
CCV 480-280006/3		12/16/2015 10:27	1		ZB-624 (30) 0.53(mm)
LCS 480-280006/4		12/16/2015 10:53	1	C59693.D	ZB-624 (30) 0.53(mm)
MB 480-280006/6		12/16/2015 11:45	1	C59695.D	ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 12:25	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 12:51	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 13:16	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 13:42	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 14:08	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 14:33	1		ZB-624 (30) 0.53(mm)
480-92213-16	SB-RINSEBLANK2	12/16/2015 14:59	1	C59702.D	ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 15:24	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 15:50	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 16:15	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 16:41	10		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 17:06	5		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 17:32	10		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 17:58	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 18:24	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 18:49	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 19:15	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 19:40	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 20:11	10		ZB-624 (30) 0.53(mm)
ZZZZZ		12/16/2015 20:37	10		ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973N Start Date: 12/04/2015 11:39

Analysis Batch Number: 278176 End Date: 12/04/2015 22:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-278176/1		12/04/2015 11:39	1	N5252.D	ZB-624 (60) 0.25(mm)
IC 480-278176/3		12/04/2015 12:30	1	N5254.D	ZB-624 (60) 0.25(mm)
IC 480-278176/4		12/04/2015 12:57	1	N5255.D	ZB-624 (60) 0.25(mm)
IC 480-278176/5		12/04/2015 13:24	1	N5256.D	ZB-624 (60) 0.25(mm)
IC 480-278176/6		12/04/2015 13:51	1	N5257.D	ZB-624 (60) 0.25(mm)
IC 480-278176/7		12/04/2015 14:18	1	N5258.D	ZB-624 (60) 0.25(mm)
ICIS 480-278176/8		12/04/2015 14:45	1	N5259.D	ZB-624 (60) 0.25(mm)
IC 480-278176/9		12/04/2015 15:12	1	N5260.D	ZB-624 (60) 0.25(mm)
IC 480-278176/10		12/04/2015 15:39	1	N5261.D	ZB-624 (60) 0.25(mm)
MDLV 480-278176/12		12/04/2015 16:32	1		ZB-624 (60) 0.25(mm)
MDLV 480-278176/13		12/04/2015 16:59	1		ZB-624 (60) 0.25(mm)
IC 480-278176/15		12/04/2015 17:53	1		ZB-624 (60) 0.25(mm)
IC 480-278176/16		12/04/2015 18:19	1		ZB-624 (60) 0.25(mm)
IC 480-278176/17		12/04/2015 18:46	1		ZB-624 (60) 0.25(mm)
IC 480-278176/18		12/04/2015 19:12	1		ZB-624 (60) 0.25(mm)
IC 480-278176/19		12/04/2015 19:39	1		ZB-624 (60) 0.25(mm)
IC 480-278176/20		12/04/2015 20:06	1		ZB-624 (60) 0.25(mm)
IC 480-278176/21		12/04/2015 20:32	1		ZB-624 (60) 0.25(mm)
MDLV 480-278176/23		12/04/2015 21:26	1		ZB-624 (60) 0.25(mm)
ICV 480-278176/24		12/04/2015 21:52	1		ZB-624 (60) 0.25(mm)
ICV 480-278176/25		12/04/2015 22:19	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973N Start Date: 12/12/2015 10:26

Analysis Batch Number: 279459 End Date: 12/12/2015 21:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279459/2		12/12/2015 10:26	1	N5566.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279459/3		12/12/2015 10:52	1	N5567.D	ZB-624 (60) 0.25(mm)
CCV 480-279459/4		12/12/2015 11:19	1		ZB-624 (60) 0.25(mm)
RL 480-279459/6		12/12/2015 12:12	1		ZB-624 (60) 0.25(mm)
MB 480-279401/2-A		12/12/2015 12:39	1	N5571.D	ZB-624 (60) 0.25(mm)
LCS 480-279401/1-A		12/12/2015 13:06	1	N5572.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 14:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 14:31	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 14:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 15:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 15:51	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 16:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 16:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 17:12	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 17:39	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 18:05	20		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 18:32	20		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 18:59	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 19:26	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 19:52	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 20:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 20:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 21:12	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973N Start Date: 12/13/2015 09:07

Analysis Batch Number: 279500 End Date: 12/13/2015 20:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279500/2		12/13/2015 09:07	1	N5593.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279500/3		12/13/2015 09:29	1	N5594.D	ZB-624 (60) 0.25(mm)
CCV 480-279500/4		12/13/2015 09:55	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 10:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 11:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 11:52	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 12:19	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 12:46	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 13:13	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 13:40	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 14:07	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 14:33	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 15:00	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 15:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 16:19	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 16:46	8		ZB-624 (60) 0.25(mm)
480-92213-1	B3-AREA2-S1	12/13/2015 17:13	8	N5611.D	ZB-624 (60) 0.25(mm)
480-92213-3 DL	B4-AREA2-S1 DL	12/13/2015 17:39	8	N5612.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 18:06	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 18:33	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 18:59	8		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 19:26	8		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 19:53	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/13/2015 20:20	10		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/02/2015 00:49

Analysis Batch Number: 277678 End Date: 12/02/2015 09:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277678/1		12/02/2015 00:49	1	P1875.D	ZB-624 (60) 0.25(mm)
IC 480-277678/3		12/02/2015 01:45	1	P1877.D	ZB-624 (60) 0.25(mm)
IC 480-277678/4		12/02/2015 02:13	1	P1878.D	ZB-624 (60) 0.25(mm)
IC 480-277678/5		12/02/2015 02:40	1	P1879.D	ZB-624 (60) 0.25(mm)
IC 480-277678/6		12/02/2015 03:07	1	P1880.D	ZB-624 (60) 0.25(mm)
ICIS 480-277678/7		12/02/2015 03:34	1	P1881.D	ZB-624 (60) 0.25(mm)
IC 480-277678/8		12/02/2015 04:01	1	P1882.D	ZB-624 (60) 0.25(mm)
IC 480-277678/9		12/02/2015 04:29	1	P1883.D	ZB-624 (60) 0.25(mm)
IC 480-277678/11		12/02/2015 05:23	1		ZB-624 (60) 0.25(mm)
IC 480-277678/12		12/02/2015 05:50	1		ZB-624 (60) 0.25(mm)
IC 480-277678/13		12/02/2015 06:17	1		ZB-624 (60) 0.25(mm)
IC 480-277678/14		12/02/2015 06:44	1		ZB-624 (60) 0.25(mm)
IC 480-277678/15		12/02/2015 07:11	1		ZB-624 (60) 0.25(mm)
IC 480-277678/16		12/02/2015 07:38	1		ZB-624 (60) 0.25(mm)
IC 480-277678/17		12/02/2015 08:06	1		ZB-624 (60) 0.25(mm)
MDLV 480-277678/19		12/02/2015 09:00	1		ZB-624 (60) 0.25(mm)
MDLV 480-277678/20		12/02/2015 09:27	1		ZB-624 (60) 0.25(mm)
ICV 480-277678/21		12/02/2015 09:54	1	P1895.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/10/2015 10:37

Analysis Batch Number: 279063 End Date: 12/10/2015 21:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279063/2		12/10/2015 10:37	1	P2218.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279063/3		12/10/2015 11:05	1	P2219.D	ZB-624 (60) 0.25(mm)
CCV 480-279063/4		12/10/2015 11:51	1		ZB-624 (60) 0.25(mm)
LCS 480-279119/1-A		12/10/2015 12:20	1	P2221.D	ZB-624 (60) 0.25(mm)
MB 480-279119/2-A		12/10/2015 13:14	1	P2223.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 13:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 14:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 14:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 15:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 15:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 16:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 16:43	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 17:10	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 17:37	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 18:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 18:32	1		ZB-624 (60) 0.25(mm)
480-92213-3	B4-AREA2-S1	12/10/2015 18:59	1	P2235.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 19:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 19:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 20:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 20:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/10/2015 21:15	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/10/2015 22:35

Analysis Batch Number: 279212 End Date: 12/11/2015 09:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279212/2		12/10/2015 22:35	1	P2242.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279212/3		12/10/2015 23:06	1	P2243.D	ZB-624 (60) 0.25(mm)
CCV 480-279212/4		12/10/2015 23:33	1		ZB-624 (60) 0.25(mm)
LCS 480-279229/1-A		12/11/2015 00:01	1	P2245.D	ZB-624 (60) 0.25(mm)
MB 480-279229/2-A		12/11/2015 00:55	1	P2247.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 01:55	1		ZB-624 (60) 0.25(mm)
480-92213-2	B3-AREA2-S2	12/11/2015 02:22	1	P2249.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 02:49	1		ZB-624 (60) 0.25(mm)
480-92213-4	B4-AREA2-S2	12/11/2015 03:16	1	P2251.D	ZB-624 (60) 0.25(mm)
480-92213-5	B4-AREA2-S3	12/11/2015 03:43	1	P2252.D	ZB-624 (60) 0.25(mm)
480-92213-6	B25-AREA2-S1	12/11/2015 04:11	1	P2253.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 04:38	1		ZB-624 (60) 0.25(mm)
480-92213-8	B25-AREA2-S3	12/11/2015 05:05	1	P2255.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 05:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 06:00	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 06:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 06:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 07:22	1		ZB-624 (60) 0.25(mm)
480-92213-14	B9-AREA2-S2	12/11/2015 07:49	1	P2261.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 08:16	1		ZB-624 (60) 0.25(mm)
480-92213-14 MS	B9-AREA2-S2 MS	12/11/2015 08:44	1	P2263.D	ZB-624 (60) 0.25(mm)
480-92213-14 MSD	B9-AREA2-S2 MSD	12/11/2015 09:11	1	P2264.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/11/2015 11:15

Analysis Batch Number: 279321 End Date: 12/11/2015 22:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279321/2		12/11/2015 11:15	1	P2266.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279321/3		12/11/2015 11:50	1	P2267.D	ZB-624 (60) 0.25(mm)
CCV 480-279321/4		12/11/2015 12:33	1		ZB-624 (60) 0.25(mm)
LCS 480-279346/1-A		12/11/2015 13:00	1	P2269.D	ZB-624 (60) 0.25(mm)
MB 480-279346/2-A		12/11/2015 14:58	1	P2271.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 15:44	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 16:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 16:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 17:06	1		ZB-624 (60) 0.25(mm)
480-92213-11	B26-ARREA2-S1	12/11/2015 17:34	1	P2276.D	ZB-624 (60) 0.25(mm)
480-92213-12	B8-AREA2-S1	12/11/2015 18:01	1	P2277.D	ZB-624 (60) 0.25(mm)
480-92213-13	B9-AREA2-S1	12/11/2015 18:28	1	P2278.D	ZB-624 (60) 0.25(mm)
480-92213-15	B-AREA2-DUP1	12/11/2015 18:56	1	P2279.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 19:23	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 19:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 20:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 20:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/11/2015 21:12	1		ZB-624 (60) 0.25(mm)
480-92213-15 MS	B-AREA2-DUP1 MS	12/11/2015 21:39	1	P2285.D	ZB-624 (60) 0.25(mm)
480-92213-15 MSD	B-AREA2-DUP1 MSD	12/11/2015 22:06	1	P2286.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/12/2015 07:12

Analysis Batch Number: 279446 End Date: 12/12/2015 20:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279446/2		12/12/2015 07:12	1	P2288.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279446/3		12/12/2015 07:42	1	P2289.D	ZB-624 (60) 0.25(mm)
CCV 480-279446/4		12/12/2015 08:26	1		ZB-624 (60) 0.25(mm)
LCS 480-279448/1-A		12/12/2015 08:53	1	P2291.D	ZB-624 (60) 0.25(mm)
MB 480-279448/2-A		12/12/2015 09:47	1	P2293.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 10:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 10:57	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 11:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 11:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 12:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 12:46	1		ZB-624 (60) 0.25(mm)
480-92213-7	B25-AREA2-S2	12/12/2015 13:13	1	P2300.D	ZB-624 (60) 0.25(mm)
480-92213-9	B6-AREA2-S1	12/12/2015 13:41	1	P2301.D	ZB-624 (60) 0.25(mm)
480-92213-10	B6-AREA2-S2	12/12/2015 14:08	1	P2302.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 14:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 15:03	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 15:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 15:57	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 16:25	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 16:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 17:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 19:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 19:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 20:03	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/12/2015 20:31	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/07/2015 13:03

Analysis Batch Number: 278464 End Date: 12/07/2015 21:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-278464/3		12/07/2015 13:03	1	S5792.D	ZB-624 (60) 0.25(mm)
IC 480-278464/5		12/07/2015 13:52	1	S5794.D	ZB-624 (60) 0.25(mm)
IC 480-278464/7		12/07/2015 14:38	1	S5796.D	ZB-624 (60) 0.25(mm)
IC 480-278464/8		12/07/2015 15:01	1	S5797.D	ZB-624 (60) 0.25(mm)
ICIS 480-278464/9		12/07/2015 15:24	1	S5798.D	ZB-624 (60) 0.25(mm)
IC 480-278464/10		12/07/2015 15:47	1	S5799.D	ZB-624 (60) 0.25(mm)
IC 480-278464/11		12/07/2015 16:09	1	S5800.D	ZB-624 (60) 0.25(mm)
IC 480-278464/13		12/07/2015 16:55	1	S5802.D	ZB-624 (60) 0.25(mm)
IC 480-278464/15		12/07/2015 17:41	1		ZB-624 (60) 0.25(mm)
IC 480-278464/16		12/07/2015 18:04	1		ZB-624 (60) 0.25(mm)
IC 480-278464/17		12/07/2015 18:26	1		ZB-624 (60) 0.25(mm)
IC 480-278464/18		12/07/2015 18:49	1		ZB-624 (60) 0.25(mm)
IC 480-278464/19		12/07/2015 19:11	1		ZB-624 (60) 0.25(mm)
IC 480-278464/20		12/07/2015 19:33	1		ZB-624 (60) 0.25(mm)
IC 480-278464/21		12/07/2015 19:56	1		ZB-624 (60) 0.25(mm)
MDLV 480-278464/23		12/07/2015 20:41	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/24		12/07/2015 21:03	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/25		12/07/2015 21:25	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/16/2015 21:01

Analysis Batch Number: 280176 End Date: 12/17/2015 08:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280176/2		12/16/2015 21:01	1	S6159.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280176/3		12/16/2015 21:40	1	S6160.D	ZB-624 (60) 0.25(mm)
CCV 480-280176/4		12/16/2015 22:50	1		ZB-624 (60) 0.25(mm)
LCS 480-280169/1-A		12/16/2015 23:36	1	S6163.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 23:59	1		ZB-624 (60) 0.25(mm)
RL 480-280176/6		12/17/2015 00:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 00:45	1		ZB-624 (60) 0.25(mm)
MB 480-280169/2-A		12/17/2015 01:07	1	S6201.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 01:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 01:53	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 02:16	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 02:39	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 03:02	10		ZB-624 (60) 0.25(mm)
480-92213-6 DL	B25-AREA2-S1 DL	12/17/2015 03:25	4	S6207.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 03:48	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 04:10	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 04:33	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 04:56	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 05:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 05:42	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 06:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 06:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 06:51	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 07:13	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 07:36	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 07:59	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 08:22	40		ZB-624 (60) 0.25(mm)

GC/MS VOA Worksheet

Batch Number: 480-280006
Method: 8260C
Analyst: O'Brien, Shaun W

Date Open: Dec 16 2015 9:32AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00049	3MTP_WRK_00051
BFB~480-280006/1		8260C			1 uL	1 uL	HP5973C		
CCVIS~480-280006/2		8260C			5 mL	5 mL	HP5973C		
CCV~480-280006/3		8260C			5 mL	5 mL	HP5973C	12.5 uL	12.5 uL
LCS~480-280006/4		8260C			1 uL	1 uL	HP5973C		
MB~480-280006/6		8260C			5 mL	5 mL	HP5973C		
480-92188-F-1	EFFLUENT	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92188-F-2	CELL 1	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92188-F-3	CELL 2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92188-F-4	CELL 3	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92188-F-5	INFLUENT	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92188-A-6	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92213-A-16	SB-RINSEBLANK2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92082-A-3	QC TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92082-D-2	EFFLUENT 120315	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92082-D-1	INFLUENT 120315	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92079-P-1	LTCS	8260C	T	7 SU	5 mL	5 mL	HP5973C		
480-92079-P-2	SLC-1B	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92079-P-3	PLC-2A	8260C	T	7 SU	5 mL	5 mL	HP5973C		
480-92079-P-4	SLC-2A	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92079-P-5	LD-1	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92079-A-6	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92080-L-1	CW-2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92210-C-1	SUMP WATER	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-92079-P-3~MS		8260C	T	7 SU	5 mL	5 mL	HP5973C		
480-92079-P-3~MSD		8260C	T	7 SU	5 mL	5 mL	HP5973C		

GC/MS VOA Worksheet

Batch Number: 480-280006
Method: 8260C
Analyst: O'Brien, Shaun W

Date Open: Dec 16 2015 9:32AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00061	ADD CORP mix_00041	BFB_WRK_00050	C_8260_IS_00064	C_8260_Surr_00067	GAS CORP mix_00126
BFB~480-280006/1		8260C				1 uL			
CCVIS~480-280006/2		8260C		12.5 uL			1 uL	1 uL	12.5 uL
CCV~480-280006/3		8260C			12.5 uL		1 uL	1 uL	
LCS~480-280006/4		8260C		12.5 uL			1 uL	1 uL	12.5 uL
MB~480-280006/6		8260C					1 uL	1 uL	
480-92188-F-1	EFFLUENT	8260C	T				1 uL	1 uL	
480-92188-F-2	CELL 1	8260C	T				1 uL	1 uL	
480-92188-F-3	CELL 2	8260C	T				1 uL	1 uL	
480-92188-F-4	CELL 3	8260C	T				1 uL	1 uL	
480-92188-F-5	INFLUENT	8260C	T				1 uL	1 uL	
480-92188-A-6	TRIP BLANK	8260C	T				1 uL	1 uL	
480-92213-A-16	SB-RINSEBLANK2	8260C	T				1 uL	1 uL	
480-92082-A-3	QC TRIP BLANK	8260C	T				1 uL	1 uL	
480-92082-D-2	EFFLUENT 120315	8260C	T				1 uL	1 uL	
480-92082-D-1	INFLUENT 120315	8260C	T				1 uL	1 uL	
480-92079-P-1	LTCS	8260C	T				1 uL	1 uL	
480-92079-P-2	SLC-1B	8260C	T				1 uL	1 uL	
480-92079-P-3	PLC-2A	8260C	T				1 uL	1 uL	
480-92079-P-4	SLC-2A	8260C	T				1 uL	1 uL	
480-92079-P-5	LD-1	8260C	T				1 uL	1 uL	
480-92079-A-6	TRIP BLANK	8260C	T				1 uL	1 uL	
480-92080-L-1	CW-2	8260C	T				1 uL	1 uL	
480-92210-C-1	SUMP WATER	8260C	T				1 uL	1 uL	
480-92079-P-3~MS		8260C	T	12.5 uL			1 uL	1 uL	12.5 uL
480-92079-P-3~MSD		8260C	T	12.5 uL			1 uL	1 uL	12.5 uL

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279119 Batch Start Date: 12/10/15 11:27 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00125
LCS 480-279119/1		5035, 8260C		25.11 g	30.17 g	5.06 g	5 mL	2.5 uL	2.5 uL
MB 480-279119/2		5035, 8260C		25.36 g	30.37 g	5.01 g	5 mL		
480-92213-A-3	B4-AREA2-S1	5035, 8260C	T	24.86 g	30.03 g	5.17 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279119/1		5035, 8260C							
MB 480-279119/2		5035, 8260C							
480-92213-A-3	B4-AREA2-S1	5035, 8260C	T	bulk					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279229 Batch Start Date: 12/10/15 22:27 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00125
LCS 480-279229/1		5035, 8260C		25.24 g	30.28 g	5.04 g	5 mL	2.5 uL	2.5 uL
MB 480-279229/2		5035, 8260C		25.27 g	30.40 g	5.13 g	5 mL		
480-92213-A-2	B3-AREA2-S2	5035, 8260C	T	25.08 g	30.31 g	5.23 g	5 mL		
480-92213-A-4	B4-AREA2-S2	5035, 8260C	T	25.08 g	30.08 g	5 g	5 mL		
480-92213-A-5	B4-AREA2-S3	5035, 8260C	T	25.16 g	30.23 g	5.07 g	5 mL		
480-92213-A-6	B25-AREA2-S1	5035, 8260C	T	25.48 g	30.52 g	5.04 g	5 mL		
480-92213-A-8	B25-AREA2-S3	5035, 8260C	T	25.13 g	30.14 g	5.01 g	5 mL		
480-92213-A-14	B9-AREA2-S2	5035, 8260C	T	25.23 g	30.23 g	5 g	5 mL		
480-92213-A-14 MS	B9-AREA2-S2	5035, 8260C	T	25.41 g	30.45 g	5.04 g	5 mL	2.5 uL	2.5 uL
480-92213-A-14 MSD	B9-AREA2-S2	5035, 8260C	T	24.99 g	30.08 g	5.09 g	5 mL	2.5 uL	2.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279229/1		5035, 8260C							
MB 480-279229/2		5035, 8260C							
480-92213-A-2	B3-AREA2-S2	5035, 8260C	T	bulk, original had CO, IS/SURR out					
480-92213-A-4	B4-AREA2-S2	5035, 8260C	T	bulk, original had CO					
480-92213-A-5	B4-AREA2-S3	5035, 8260C	T	bulk, original had CO, IS/SURR out					
480-92213-A-6	B25-AREA2-S1	5035, 8260C	T	bulk					
480-92213-A-8	B25-AREA2-S3	5035, 8260C	T	bulk					
480-92213-A-14	B9-AREA2-S2	5035, 8260C	T	bulk, confrim IS/SURR					
480-92213-A-14 MS	B9-AREA2-S2	5035, 8260C	T	bulk					
480-92213-A-14 MSD	B9-AREA2-S2	5035, 8260C	T	bulk					

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279229 Batch Start Date: 12/10/15 22:27 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot# XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279346 Batch Start Date: 12/11/15 12:01 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00125
LCS 480-279346/1		5035, 8260C		25.12 g	30.15 g	5.03 g	5 mL	2.5 uL	2.5 uL
MB 480-279346/2		5035, 8260C		24.69 g	29.72 g	5.03 g	5 mL		
480-92213-A-11	B26-ARREA2-S1	5035, 8260C	T	24.99 g	30.11 g	5.12 g	5 mL		
480-92213-A-12	B8-AREA2-S1	5035, 8260C	T	24.61 g	29.64 g	5.03 g	5 mL		
480-92213-A-13	B9-AREA2-S1	5035, 8260C	T	24.69 g	25.21 g	0.52 g	5 mL		
480-92213-A-15	B-AREA2-DUP1	5035, 8260C	T	25.03 g	30.05 g	5.02 g	5 mL		
480-92213-A-15 MS	B-AREA2-DUP1	5035, 8260C	T	24.77 g	29.78 g	5.01 g	5 mL	2.5 uL	2.5 uL
480-92213-A-15 MSD	B-AREA2-DUP1	5035, 8260C	T	25.02 g	30.14 g	5.12 g	5 mL	2.5 uL	2.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279346/1		5035, 8260C							
MB 480-279346/2		5035, 8260C							
480-92213-A-11	B26-ARREA2-S1	5035, 8260C	T	bulk confirm IS/SS out					
480-92213-A-12	B8-AREA2-S1	5035, 8260C	T	bulk confirm IS/SS out					
480-92213-A-13	B9-AREA2-S1	5035, 8260C	T	bulk 0.5gram original had IS/SS out					
480-92213-A-15	B-AREA2-DUP1	5035, 8260C	T	bulk confirm IS/SS out					
480-92213-A-15 MS	B-AREA2-DUP1	5035, 8260C	T	bulk batch QC					
480-92213-A-15 MSD	B-AREA2-DUP1	5035, 8260C	T	bulk batch QC					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279346 Batch Start Date: 12/11/15 12:01 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279401 Batch Start Date: 12/11/15 15:36 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00125
LCS 480-279401/1		5035A, 8260C		19.87 g	24.92 g	5.05 g	10 mL	125 uL	125 uL
MB 480-279401/2		5035A, 8260C		19.43 g	24.49 g	5.06 g	10 mL		
480-92213-A-1	B3-AREA2-S1	5035A, 8260C	T	19.35 g	24.35 g	5 g	10 mL		
480-92213-A-3	B4-AREA2-S1	5035A, 8260C	T	19.38 g	24.43 g	5.05 g	10 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279401/1		5035A, 8260C							
MB 480-279401/2		5035A, 8260C							
480-92213-A-1	B3-AREA2-S1	5035A, 8260C	T	Bulk MLDL					
480-92213-A-3	B4-AREA2-S1	5035A, 8260C	T	Bulk MLDL					

Batch Notes	
Balance ID	B202613314
Methanol Lot Number	118655
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279448 Batch Start Date: 12/12/15 07:40 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00125
LCS 480-279448/1		5035, 8260C		25.21 g	30.30 g	5.09 g	5 mL	2.5 uL	2.5 uL
MB 480-279448/2		5035, 8260C		25.10 g	30.17 g	5.07 g	5 mL		
480-92213-A-7	B25-AREA2-S2	5035, 8260C	T	25.80 g	30.80 g	5 g	5 mL		
480-92213-A-9	B6-AREA2-S1	5035, 8260C	T	26.15 g	31.26 g	5.11 g	5 mL		
480-92213-A-10	B6-AREA2-S2	5035, 8260C	T	25.56 g	30.57 g	5.01 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279448/1		5035, 8260C							
MB 480-279448/2		5035, 8260C							
480-92213-A-7	B25-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS out					
480-92213-A-9	B6-AREA2-S1	5035, 8260C	T	bulk confirm IS/SS out					
480-92213-A-10	B6-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS out					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 280169 Batch Start Date: 12/16/15 18:02 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	ADD CORP mix 00041
LCS 480-280169/1		5035A, 8260C		19.35 g	24.42 g	5.07 g	10 mL	125 uL	125 uL
MB 480-280169/2		5035A, 8260C		19.27 g	24.29 g	5.02 g	10 mL		
480-92213-A-6	B25-AREA2-S1	5035A, 8260C	T	19.51 g	24.61 g	5.1 g	10 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00126	AnalysisComment				
LCS 480-280169/1		5035A, 8260C		125 uL					
MB 480-280169/2		5035A, 8260C							
480-92213-A-6	B25-AREA2-S1	5035A, 8260C	T		Bulk MLDL				

Batch Notes	
Balance ID	B202613314
Methanol Lot Number	118655
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92213-1

SDG No.:

Project: Lockheed Martin Corporation - Volatiles

Client Sample ID	Lab Sample ID
B3-AREA2-S1	480-92213-1
B3-AREA2-S2	480-92213-2
B4-AREA2-S1	480-92213-3
B4-AREA2-S2	480-92213-4
B4-AREA2-S3	480-92213-5
B25-AREA2-S1	480-92213-6
B25-AREA2-S2	480-92213-7
B25-AREA2-S3	480-92213-8
B6-AREA2-S1	480-92213-9
B6-AREA2-S2	480-92213-10
B26-ARREA2-S1	480-92213-11
B8-AREA2-S1	480-92213-12
B9-AREA2-S1	480-92213-13
B9-AREA2-S2	480-92213-14
B-AREA2-DUP1	480-92213-15

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92213-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92213-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/10/2015 14:25 End Date: 12/10/2015 14:25

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			14:25																					
ZZZZZZ			14:25																					
ZZZZZZ			14:25																					
480-92213-1	1	T	14:25	X	X																			
480-92213-2	1	T	14:25	X	X																			
480-92213-3	1	T	14:25	X	X																			
480-92213-4	1	T	14:25	X	X																			
480-92213-5	1	T	14:25	X	X																			
480-92213-14	1	T	14:25	X	X																			
480-92213-14 MS	1	T	14:25	X	X																			
480-92213-14 MSD	1	T	14:25	X	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/11/2015 04:14 End Date: 12/11/2015 04:14

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
480-92213-6	1	T	04:14	X	X																		
480-92213-7	1	T	04:14	X	X																		
480-92213-8	1	T	04:14	X	X																		
480-92213-9	1	T	04:14	X	X																		
480-92213-10	1	T	04:14	X	X																		
480-92213-11	1	T	04:14	X	X																		
480-92213-12	1	T	04:14	X	X																		
480-92213-13	1	T	04:14	X	X																		
480-92213-15	1	T	04:14	X	X																		
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				
ZZZZZZ			04:14																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279162 Batch Start Date: 12/10/15 14:25 Batch Analyst: Cwiklinski, Charles D

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-92213-A-1	B3-AREA2-S1	Moisture	T	4.21 g	12.64 g	12.05 g			
480-92213-A-2	B3-AREA2-S2	Moisture	T	4.21 g	13.67 g	12.95 g			
480-92213-A-3	B4-AREA2-S1	Moisture	T	4.31 g	11.54 g	10.97 g			
480-92213-A-4	B4-AREA2-S2	Moisture	T	4.31 g	11.43 g	10.50 g			
480-92213-A-5	B4-AREA2-S3	Moisture	T	4.19 g	12.14 g	11.50 g			
480-92213-A-14	B9-AREA2-S2	Moisture	T	4.30 g	12.96 g	11.03 g			
480-92213-A-14 MS	B9-AREA2-S2	Moisture	T	4.30 g	12.96 g	11.03 g			
480-92213-A-14 MSD	B9-AREA2-S2	Moisture	T	4.30 g	12.96 g	11.03 g			

Batch Notes	
Balance ID	B202613314 No Unit
Batch Comment	pp-fh-03-14
Date samples were placed in the oven	12/10/15
Oven Temp when samples are put in oven	106 Degrees C
Time samples were place in the oven	14:30
Uncorrected In Temperature	106 Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92213-1

SDG No.:

Batch Number: 279241 Batch Start Date: 12/11/15 04:14 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date: 12/11/15 17:17

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-92213-A-6	B25-AREA2-S1	Moisture	T	4.21 g	16.89 g	15.96 g			
480-92213-A-7	B25-AREA2-S2	Moisture	T	4.19 g	10.61 g	9.20 g			
480-92213-A-8	B25-AREA2-S3	Moisture	T	4.23 g	12.45 g	11.06 g			
480-92213-A-9	B6-AREA2-S1	Moisture	T	4.19 g	15.38 g	14.52 g			
480-92213-A-10	B6-AREA2-S2	Moisture	T	4.19 g	12.69 g	10.77 g			
480-92213-A-11	B26-ARREA2-S1	Moisture	T	4.31 g	14.32 g	13.52 g			
480-92213-A-12	B8-AREA2-S1	Moisture	T	4.31 g	14.77 g	13.82 g			
480-92213-A-13	B9-AREA2-S1	Moisture	T	4.19 g	14.92 g	14.23 g			
480-92213-A-15	B-AREA2-DUP1	Moisture	T	4.29 g	18.08 g	16.60 g			

Batch Notes	
Balance ID	B202613314 No Unit
Batch Comment	PP-FH-03-14
Date samples were placed in the oven	12/11/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	04:30
Date samples were removed from oven	12/11/15
Oven Temp when samples removed from oven	104 Degrees C
Time Samples were removed from oven	14:30
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	104 Celsius

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

Test America Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.4
Client Contact: Ms. Laura Best	Phone: (585)301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page ~~4 of 9~~ 1 of 2
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): 10			
State, Zip: NY, 14614				
Phone:	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

480-92213 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	A		
B3-AREA2-S1	12/2/15	1430	G	Solid	N	N		X		1	
B3-AREA2-S2	12/2/15	1440		Solid				X		1	
B4-AREA2-S1	12/2/15	0935		Solid				X		1	
B4-AREA2-S2	12/2/15	0945		Solid				X		1	
B4-AREA2-S3	12/2/15	1410		Solid				X		1	
B25-AREA2-S1	12/3/15	1010		Solid				X		1	
B25-AREA2-S2	12/3/15	1030		Solid				X		1	
B25-AREA2-S3	12/3/15	1040		Solid				X		1	
B6-AREA2-S1	12/3/15	1110		Solid				X		1	
B6-AREA2-S2	12/3/15	1150		Solid				X		1	
B26-AREA2-S1	12/4/15	0920		Solid				X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV) Other (specify) Category B deliverables + NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Laura Best	12/4/15 1600	Stantec	Bryan Howitt	12/4/15 1610	Stantec
2	Bryan Howitt	12/4/15 1730			12/4/15 1730	SVR
3		12/4/15 1900	SVR		12-5-15 0115	TNT

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.7 #1

12/21/2015

Page 800 of 802

463325 • Syracuse SC

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.3
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page ~~3 of 3~~ LB 1 of 2
Company: Stantec Consulting Services Inc				Job #:

Address: 61 Commercial Street	Due Date Requested:	
City: Rochester	TAT Requested (days): 10	
State, Zip: NY, 14614		
Phone:	PO #: Purchase Order not required	
Email: laura.best@stantec.com	WO #: 10137	
Project Name: Lockheed Martin Corporation	Project #: 48002828	
Site: New York	SSOW#:	

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
B8-AREA2-S1	12/4/15	1050	G	Solid	N	N		X		1	
B9-AREA2-S1	12/4/15	1315	G	Solid	N	N		X		1	
B9-AREA2-S2 ~~(MS/MSD)~~ LB	12/4/15	1410	G	Solid	N	Y		X		3	(MS/MSD)
B-AREA2-DUP	12/4/15	1055	G	Solid	N	N		X		1	
SB-RINSEBLANK2	12/3/15	1500	G	~~Solid~~ LB Water	N	N			X	3	
				Solid							
				Solid							
				Solid							
				Water							
				Solid							
				Solid							

Page 801 of 802

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV) Other (specify) Cat B + NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Laura Best	12/4/15 1610	Stantec	Brian Hewitt	12/4/15 1610	Stantec
2	Brian Hewitt	12/4/15 1730	Stantec	[signature]	12/4/15 1736	SVR
3	[signature]	12/4/15 1900	SVR	[signature]	12-5-15 0115	TDB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 07 #1

12/21/2015

483325 - Syracuse SC

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-92213-1

Login Number: 92213

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-92332-1

Job Description: Lockheed Martin Corporation - Soils

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Ryan T VanDette
Project Manager II
12/31/2015 9:38 AM

Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
12/31/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 7

Sample Summary 18

Executive Summary 19

Method Summary 27

Method / Analyst Summary 28

Sample Datasheets 29

Surrogate Summary 140

QC Data Summary 144

Data Qualifiers 170

QC Association Summary 171

Lab Chronicle 176

Certification Summary 186

Organic Sample Data 187

GC/MS VOA 187

Method 8260C 187

Method 8260C QC Summary 188

Method 8260C Sample Data 248

Standards Data 601

Method 8260C ICAL Data 601

Method 8260C CCAL Data 781

Raw QC Data 889

Method 8260C Tune Data 889

Method 8260C Blank Data 934

Table of Contents

Method 8260C LCS/LCSD Data 1004

Method 8260C MS/MSD Data 1060

Method 8260C Run Logs 1100

Method 8260C Prep Data 1115

Inorganic Sample Data 1129

General Chemistry Data 1129

Gen Chem Cover Page 1130

Gen Chem MDL 1131

Gen Chem Analysis Run Log 1133

Gen Chem Prep Data 1135

Shipping and Receiving Documents 1137

Client Chain of Custody 1138

Sample Receipt Checklist 1141

Job Narrative
480-92332-1

Comments
No additional comments.

Receipt
The samples were received on 12/9/2015 1:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA
Method(s) 8260C: Some reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B7-AREA2-S1 (480-92332-1), B10-AREA2-S2 (480-92332-3), B10-AREA2-S3 (480-92332-4), B11-AREA2-S1 (480-92332-5), B13-AREA2-S1 (480-92332-9), B13-AREA2-S2 (480-92332-10), B-AREA2-DUP2 (480-92332-11) and B15-AREA2-S1 (480-92332-14).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279691 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: B7-AREA2-S1 (480-92332-1), B10-AREA2-S2 (480-92332-3), B10-AREA2-S3 (480-92332-4), B11-AREA2-S1 (480-92332-5), B13-AREA2-S1 (480-92332-9), B13-AREA2-S2 (480-92332-10), B-AREA2-DUP2 (480-92332-11) and B15-AREA2-S1 (480-92332-14).

Method(s) 8260C: The method blank for preparation batch 480-279710 and analytical batch 480-279691 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B10-AREA2-S1 (480-92332-2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279534 recovered above the upper control limit for Chloromethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: B10-AREA2-S1 (480-92332-2).

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-279590 and 480-279590 and analytical batch 480-279534 recovered outside control limits for the following analyte: 2-Butanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. B7-AREA2-S1 (480-92332-1), B10-AREA2-S1 (480-92332-2), B10-AREA2-S2 (480-92332-3) and B16-AREA2-S2 (480-92332-17)

Method(s) 8260C: The method blank for preparation batch 480-279590 and analytical batch 480-279534 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. B10-AREA2-S1 (480-92332-2)

Method(s) 8260C: Some reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B12-AREA2-S1 (480-92332-6), B12-AREA2-S3 (480-92332-8), B13-AREA2-S2 (480-92332-10), B14-AREA2-S2 (480-92332-13), B16-AREA2-S2 (480-92332-17), B16-AREA2-S2 (480-92332-17[MS]), B16-AREA2-S2 (480-92332-17[MSD]), B28-AREA2-S1 (480-92332-22) and B29-AREA2-S1 (480-92332-24).

Method(s) 8260C: Internal standard (ISTD) and surrogate responses for the following sample were outside control limits: B16-AREA2-S2 (480-92332-17). The sample was re-analyzed with concurring results, and the re-analysis set of data has been reported.

Method(s) 8260C: The following samples were analyzed at a reduced weight to bring the concentration of target analytes within the calibration range: B12-AREA2-S1 (480-92332-6), B13-AREA2-S2 (480-92332-10) and B14-AREA2-S2 (480-92332-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279815 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: B12-AREA2-S1 (480-92332-6), B12-AREA2-S3 (480-92332-8), B13-AREA2-S2 (480-92332-10), B14-AREA2-S2 (480-92332-13), B16-AREA2-S2 (480-92332-17), B28-AREA2-S1 (480-92332-22) and B29-AREA2-S1 (480-92332-24).

Method(s) 8260C: Internal standard (ISTD) response for the following samples were outside control limits: B15-AREA2-S2 (480-92332-15), B17-AREA2-S1 (480-92332-18), B17-AREA2-S2 (480-92332-19) and B28-AREA2-S2 (480-92332-23). The samples were re-analyzed with concurring results, and the second set of data has been reported.

Method(s) 8260C: Surrogate recovery for the following samples were outside control limits: B15-AREA2-S2 (480-92332-15), B17-AREA2-S1 (480-92332-18), B17-AREA2-S2 (480-92332-19) and B28-AREA2-S2 (480-92332-23). Re-analysis was performed with concurring results. The second analysis has been reported.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the

samples not being collected according to 5035-L/5035A-L low-level specifications: B15-AREA2-S2 (480-92332-15), B16-AREA2-S1 (480-92332-16), B17-AREA2-S1 (480-92332-18), B17-AREA2-S2 (480-92332-19), B27-AREA2-S1 (480-92332-20), B27-AREA2-S2 (480-92332-21), B28-AREA2-S2 (480-92332-23), B29-AREA2-S2 (480-92332-25), B31-AREA2-S1 (480-92332-28), (480-92332-A-15-D MS) and (480-92332-A-15-E MSD).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279989 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: B15-AREA2-S2 (480-92332-15), B16-AREA2-S1 (480-92332-16), B17-AREA2-S1 (480-92332-18), B17-AREA2-S2 (480-92332-19), B27-AREA2-S1 (480-92332-20), B27-AREA2-S2 (480-92332-21), B28-AREA2-S2 (480-92332-23), B29-AREA2-S2 (480-92332-25) and B31-AREA2-S1 (480-92332-28).

Method(s) 8260C: The method blank for preparation batch 480-279980 and analytical batch 480-279989 contained Acetone and Toluene above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-analysis of samples was not performed. B15-AREA2-S2 (480-92332-15), B16-AREA2-S1 (480-92332-16), B17-AREA2-S1 (480-92332-18), B17-AREA2-S2 (480-92332-19), B27-AREA2-S1 (480-92332-20), B27-AREA2-S2 (480-92332-21), B28-AREA2-S2 (480-92332-23), B29-AREA2-S2 (480-92332-25) and B31-AREA2-S1 (480-92332-28)

Method(s) 8260C: Some reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B30-AREA2-S1 (480-92332-26), B30-AREA2-S2 (480-92332-27), B31-AREA2-S2 (480-92332-29) and B35-AREA2-S2 (480-92332-31).

Method(s) 8260C: The following sample was analyzed at a reduced weight to bring the concentration of target analytes within the calibration range: B31-AREA2-S2 (480-92332-29). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Internal standard (ISTD) and surrogate responses for the following samples were outside control limits: B30-AREA2-S1 (480-92332-26), B31-AREA2-S2 (480-92332-29) and B35-AREA2-S2 (480-92332-31). The samples were re-analyzed with concurring results, the re-analysis sets of data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280185 recovered above the upper control limit for Vinyl chloride and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B30-AREA2-S1 (480-92332-26), B30-AREA2-S2 (480-92332-27), B31-AREA2-S2 (480-92332-29) and B35-AREA2-S2 (480-92332-31).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280604 recovered above the upper control limit for Acetone and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: SB-RINSEBLANK3 (480-92332-32).

Method(s) 8260C: The method blank for analytical batch 480-280604 contained Carbon disulfide above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260C: The following samples was diluted to medium level soil analysis to bring the concentration of target analytes within the calibration range: B10-AREA2-S2 (480-92332-3), B11-AREA2-S1 (480-92332-5), B12-AREA2-S2 (480-92332-7), B13-AREA2-S1 (480-92332-9), B-AREA2-DUP2 (480-92332-11), B15-AREA2-S1 (480-92332-14), (480-92332-A-14-E MS) and (480-92332-A-14-F MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280696 recovered outside acceptance criteria, low biased, for Vinyl chloride, Chloromethane, and 1,1-Dichloroethene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for these analytes, the data has been reported.

Method(s) 8260C: The laboratory control sample (LCS) for batch preparation batch 480-280169 and analytical batch 480-280772 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280772 recovered outside acceptance criteria, low biased, for Vinyl chloride and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: B14-AREA2-S1 (480-92332-12)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280772 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: B14-AREA2-S1 (480-92332-12).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-281000 recovered outside acceptance criteria, low biased, for Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: B31-AREA2-S1 (480-92332-28) and B35-AREA2-S1 (480-92332-30)

Method(s) 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes

within the calibration range: B31-AREA2-S1 (480-92332-28) and B35-AREA2-S1 (480-92332-30). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to medium level soil analysis to bring the concentration of target analytes within the calibration range: B29-AREA2-S1 (480-92332-24). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-281166 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: B29-AREA2-S1 (480-92332-24) .

Method(s) 8260C: The following samples were diluted to medium level soil analysis to bring the concentration of target analytes within the calibration range: (480-92332-A-24-C MS) and (480-92332-A-24-D MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was analyzed at a reduced weight to bring the concentration of target analytes within the calibration range: B10-AREA2-S2 (480-92332-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were analyzed using medium level soil analysis and at a dilution to bring the concentration of target analytes within the calibration range: B14-AREA2-S1 (480-92332-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The method blank for preparation batch 280183 and analytical batch 280185 contained the analyte acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 277678

Lab Sample ID: IC 480-277678/3 Client Sample ID:

Date Analyzed: 12/02/15 01:45 Lab File ID: P1877.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	6.77	Split Peak	cwiklinc	12/02/15 09:16

Lab Sample ID: IC 480-277678/4 Client Sample ID:

Date Analyzed: 12/02/15 02:13 Lab File ID: P1878.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloroethyl vinyl ether	11.25	Split Peak	cwiklinc	12/02/15 09:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 279691

Lab Sample ID: MB 480-279710/2-A Client Sample ID:

Date Analyzed: 12/15/15 01:46 Lab File ID: P2350.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)	11.65	Incomplete Integration	cwiklinc	12/15/15 08:25

Lab Sample ID: 480-92332-3 Client Sample ID: B10-AREA2-S2

Date Analyzed: 12/15/15 03:21 Lab File ID: P2353.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.79	Split Peak	cwiklinc	12/15/15 08:28

Lab Sample ID: 480-92332-11 Client Sample ID: B-AREA2-DUP2

Date Analyzed: 12/15/15 08:48 Lab File ID: P2365.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.77	Incomplete Integration	cwiklinc	12/15/15 15:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 279815

Lab Sample ID: 480-92332-8 Client Sample ID: B12-AREA2-S3

Date Analyzed: 12/15/15 18:31 Lab File ID: P2383.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.76	Split Peak	diasn	12/15/15 19:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 279989

Lab Sample ID: 480-92332-15 Client Sample ID: B15-AREA2-S2

Date Analyzed: 12/16/15 12:52 Lab File ID: P2405.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	10.35	Split Peak	diasn	12/16/15 18:41

Lab Sample ID: 480-92332-23 Client Sample ID: B28-AREA2-S2

Date Analyzed: 12/16/15 15:35 Lab File ID: P2411.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	10.36	Split Peak	diasn	12/16/15 19:13
Toluene	11.98	Split Peak	diasn	12/16/15 19:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 280185

Lab Sample ID: 480-92332-31 Client Sample ID: B35-AREA2-S2

Date Analyzed: 12/17/15 05:18 Lab File ID: P2439.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	6.41	Incomplete Integration	cwiklinc	12/17/15 09:15
Chloroform	8.89	Incomplete Integration	cwiklinc	12/17/15 09:15

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 279905

Lab Sample ID: IC 480-279905/5 Client Sample ID:

Date Analyzed: 12/16/15 00:00 Lab File ID: Q7634.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.88	Poor chromatography	gentilej	12/16/15 16:39
Isobutyl alcohol	4.88	Poor chromatography	HillL	12/16/15 17:09

Lab Sample ID: IC 480-279905/6 Client Sample ID:

Date Analyzed: 12/16/15 00:23 Lab File ID: Q7635.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.44	Poor chromatography	gentilej	12/16/15 18:01
Chloromethane	1.62	Poor chromatography	HillL	12/17/15 12:47
Butadiene	1.73	Poor chromatography	HillL	12/17/15 12:47
Bromomethane	2.04	Poor chromatography	HillL	12/16/15 17:07
Dichlorofluoromethane	2.33	Poor chromatography	HillL	12/17/15 12:47
1,1,2-Trichloro-1,2,2-trifluoroethane	2.82	Poor chromatography	HillL	12/17/15 13:13
Isobutyl alcohol	4.88	Poor chromatography	HillL	12/16/15 17:10

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 279905

Lab Sample ID: IC 480-279905/7 Client Sample ID:

Date Analyzed: 12/16/15 00:47 Lab File ID: Q7636.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.46	Poor chromatography	HillL	12/17/15 12:51
Chloromethane	1.62	Poor chromatography	gentilej	12/16/15 16:23
Bromomethane	2.05	Poor chromatography	gentilej	12/16/15 16:23
1,1,2-Trichloro-1,2,2-trifluoroethane	2.81	Poor chromatography	HillL	12/17/15 12:59
Acetone	2.89	Poor chromatography	gentilej	12/16/15 16:39
Methyl acetate	3.17	Poor chromatography	HillL	12/17/15 12:51
Acrylonitrile	3.48	Poor chromatography	HillL	12/17/15 12:51
Isobutyl alcohol	4.87	Poor chromatography	HillL	12/16/15 17:10
1,4-Dioxane	5.67	Poor chromatography	gentilej	12/16/15 16:23

Lab Sample ID: IC 480-279905/8 Client Sample ID:

Date Analyzed: 12/16/15 01:10 Lab File ID: Q7637.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.44	Poor chromatography	HillL	12/17/15 12:53
Acrolein	2.75	Poor chromatography	HillL	12/17/15 12:53
1,1,2-Trichloro-1,2,2-trifluoroethane	2.80	Poor chromatography	HillL	12/17/15 13:13
Acetone	2.89	Poor chromatography	gentilej	12/16/15 16:40
2-Methyl-2-propanol	3.38	Poor chromatography	HillL	12/16/15 17:01
Acrylonitrile	3.48	Poor chromatography	HillL	12/17/15 12:53
Chlorobromomethane	4.46	Poor chromatography	HillL	12/17/15 12:53
Isobutyl alcohol	4.88	Poor chromatography	HillL	12/16/15 17:11
1,4-Dioxane	5.67	Missed Peak	gentilej	12/16/15 16:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 279905

Lab Sample ID: IC 480-279905/9 Client Sample ID:

Date Analyzed: 12/16/15 01:33 Lab File ID: Q7638.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.44	Poor chromatography	HillL	12/17/15 12:55
Butadiene	1.74	Poor chromatography	HillL	12/17/15 12:55
1,1,2-Trichloro-1,2,2-trifluoroethane	2.82	Poor chromatography	HillL	12/17/15 12:59
Acetone	2.89	Poor chromatography	gentilej	12/16/15 16:40
Methyl acetate	3.16	Poor chromatography	HillL	12/17/15 13:03
Isobutyl alcohol	4.87	Poor chromatography	HillL	12/16/15 17:11
1,4-Dioxane	5.67	Poor chromatography	HillL	12/17/15 13:03

Lab Sample ID: ICIS 480-279905/10 Client Sample ID:

Date Analyzed: 12/16/15 01:57 Lab File ID: Q7639.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.44	Poor chromatography	HillL	12/17/15 13:07
Isobutyl alcohol	4.87	Poor chromatography	HillL	12/17/15 13:10

Lab Sample ID: IC 480-279905/11 Client Sample ID:

Date Analyzed: 12/16/15 02:20 Lab File ID: Q7640.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.44	Poor chromatography	HillL	12/17/15 13:09
1,1,2-Trichloro-1,2,2-trifluoroethane	2.82	Poor chromatography	gentilej	12/16/15 16:32
Acetone	2.89	Poor chromatography	gentilej	12/16/15 16:41
Acrylonitrile	3.48	Poor chromatography	HillL	12/17/15 13:09
Isobutyl alcohol	4.87	Poor chromatography	HillL	12/16/15 17:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973Q Analysis Batch Number: 279905

Lab Sample ID: IC 480-279905/12 Client Sample ID:

Date Analyzed: 12/16/15 02:44 Lab File ID: Q7641.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.45	Poor chromatography	HillL	12/17/15 13:12
1,1,2-Trichloro-1,2,2-trifluoroethane	2.83	Poor chromatography	gentilej	12/16/15 16:36
Acetone	2.89	Poor chromatography	gentilej	12/16/15 16:43
Isobutyl alcohol	4.88	Poor chromatography	HillL	12/16/15 17:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/7 Client Sample ID:

Date Analyzed: 12/07/15 14:38 Lab File ID: S5796.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	2.65	Poor chromatography	HillL	12/07/15 18:41
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:41
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:38

Lab Sample ID: IC 480-278464/8 Client Sample ID:

Date Analyzed: 12/07/15 15:01 Lab File ID: S5797.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:42

Lab Sample ID: ICIS 480-278464/9 Client Sample ID:

Date Analyzed: 12/07/15 15:24 Lab File ID: S5798.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.13	Poor chromatography	o''briens	12/07/15 18:22
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:44
1,4-Dioxane	6.12	Split Peak	HillL	12/07/15 18:44

Lab Sample ID: IC 480-278464/10 Client Sample ID:

Date Analyzed: 12/07/15 15:47 Lab File ID: S5799.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/11 Client Sample ID:

Date Analyzed: 12/07/15 16:09 Lab File ID: S5800.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:46

Lab Sample ID: IC 480-278464/13 Client Sample ID:

Date Analyzed: 12/07/15 16:55 Lab File ID: S5802.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	1.51	Poor chromatography	HillL	12/07/15 18:27
Bromomethane	1.82	Poor chromatography	HillL	12/07/15 18:27
Dichlorofluoromethane	2.13	Poor chromatography	HillL	12/07/15 18:27
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:27
Iodomethane	2.81	Poor chromatography	HillL	12/07/15 18:27
1,4-Dioxane	6.13	Poor chromatography	HillL	12/07/15 18:27

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-92332-1	B7-AREA2-S1	Solid	12/07/2015 1420	12/09/2015 0120
480-92332-2	B10-AREA2-S1	Solid	12/07/2015 1335	12/09/2015 0120
480-92332-3	B10-AREA2-S2	Solid	12/07/2015 1330	12/09/2015 0120
480-92332-4	B10-AREA2-S3	Solid	12/07/2015 1355	12/09/2015 0120
480-92332-5	B11-AREA2-S1	Solid	12/07/2015 1305	12/09/2015 0120
480-92332-6	B12-AREA2-S1	Solid	12/07/2015 0845	12/09/2015 0120
480-92332-7	B12-AREA2-S2	Solid	12/07/2015 0905	12/09/2015 0120
480-92332-8	B12-AREA2-S3	Solid	12/07/2015 0915	12/09/2015 0120
480-92332-9	B13-AREA2-S1	Solid	12/07/2015 0940	12/09/2015 0120
480-92332-10	B13-AREA2-S2	Solid	12/07/2015 0955	12/09/2015 0120
480-92332-11	B-AREA2-DUP2	Solid	12/07/2015 1000	12/09/2015 0120
480-92332-12	B14-AREA2-S1	Solid	12/07/2015 1055	12/09/2015 0120
480-92332-13	B14-AREA2-S2	Solid	12/07/2015 1105	12/09/2015 0120
480-92332-14	B15-AREA2-S1	Solid	12/07/2015 1015	12/09/2015 0120
480-92332-15	B15-AREA2-S2	Solid	12/07/2015 1030	12/09/2015 0120
480-92332-16	B16-AREA2-S1	Solid	12/07/2015 1130	12/09/2015 0120
480-92332-17	B16-AREA2-S2	Solid	12/07/2015 1140	12/09/2015 0120
480-92332-17MS	B16-AREA2-S2	Solid	12/07/2015 1140	12/09/2015 0120
480-92332-17MSD	B16-AREA2-S2	Solid	12/07/2015 1140	12/09/2015 0120
480-92332-18	B17-AREA2-S1	Solid	12/08/2015 1310	12/09/2015 0120
480-92332-19	B17-AREA2-S2	Solid	12/08/2015 1320	12/09/2015 0120
480-92332-20	B27-AREA2-S1	Solid	12/08/2015 1510	12/09/2015 0120
480-92332-21	B27-AREA2-S2	Solid	12/08/2015 1515	12/09/2015 0120
480-92332-22	B28-AREA2-S1	Solid	12/08/2015 1055	12/09/2015 0120
480-92332-23	B28-AREA2-S2	Solid	12/08/2015 1050	12/09/2015 0120
480-92332-24	B29-AREA2-S1	Solid	12/08/2015 1025	12/09/2015 0120
480-92332-25	B29-AREA2-S2	Solid	12/08/2015 1030	12/09/2015 0120
480-92332-26	B30-AREA2-S1	Solid	12/08/2015 1540	12/09/2015 0120
480-92332-27	B30-AREA2-S2	Solid	12/08/2015 1600	12/09/2015 0120
480-92332-28	B31-AREA2-S1	Solid	12/08/2015 0915	12/09/2015 0120
480-92332-29	B31-AREA2-S2	Solid	12/08/2015 0935	12/09/2015 0120
480-92332-30	B35-AREA2-S1	Solid	12/08/2015 0950	12/09/2015 0120
480-92332-31	B35-AREA2-S2	Solid	12/08/2015 1000	12/09/2015 0120
480-92332-32	SB-RINSEBLANK3	Water	12/08/2015 1430	12/09/2015 0120

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-1	**B7-AREA2-S1**					
Percent Moisture		9.4		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-92332-2	**B10-AREA2-S1**					
1,1-Dichloroethane		70		5.5	ug/Kg	8260C
1,1-Dichloroethene		0.94	J	5.5	ug/Kg	8260C
cis-1,2-Dichloroethene		190		5.5	ug/Kg	8260C
Percent Moisture		9.9		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-92332-3	**B10-AREA2-S2**					
1,1-Dichloroethane		100		45	ug/Kg	8260C
cis-1,2-Dichloroethene		6800		1100	ug/Kg	8260C
cis-1,2-Dichloroethene		3600	E	45	ug/Kg	8260C
Tetrachloroethene		310	J	1100	ug/Kg	8260C
Tetrachloroethene		44	J	45	ug/Kg	8260C
Toluene		14	J	45	ug/Kg	8260C
trans-1,2-Dichloroethene		12	J	45	ug/Kg	8260C
Trichloroethene		13	J	45	ug/Kg	8260C
Percent Moisture		6.2		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-92332-4	**B10-AREA2-S3**					
Acetone		7.1	J B	27	ug/Kg	8260C
cis-1,2-Dichloroethene		5.8		5.4	ug/Kg	8260C
Percent Moisture		9.7		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-92332-5	**B11-AREA2-S1**					
1,1-Dichloroethane		2100		450	ug/Kg	8260C
1,1-Dichloroethane		110		4.7	ug/Kg	8260C
cis-1,2-Dichloroethene		12000		450	ug/Kg	8260C
cis-1,2-Dichloroethene		530	E	4.7	ug/Kg	8260C
Vinyl chloride		11		4.7	ug/Kg	8260C
Percent Moisture		7.6		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-6	**B12-AREA2-S1**					
1,1,2-Trichloro-1,2,2-trifluoroethane		110		55	ug/Kg	8260C
1,1-Dichloroethane		26	J	55	ug/Kg	8260C
cis-1,2-Dichloroethene		1700		55	ug/Kg	8260C
Percent Moisture		8.5		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92332-7	**B12-AREA2-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		15000		1100	ug/Kg	8260C
cis-1,2-Dichloroethene		3200		1100	ug/Kg	8260C
Trichloroethene		37000		1100	ug/Kg	8260C
Percent Moisture		7.4		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92332-8	**B12-AREA2-S3**					
Acetone		27	J	30	ug/Kg	8260C
cis-1,2-Dichloroethene		6.2		5.9	ug/Kg	8260C
Trichloroethene		2.1	J	5.9	ug/Kg	8260C
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture
480-92332-9	**B13-AREA2-S1**					
1,1-Dichloroethane		1900		1100	ug/Kg	8260C
1,1-Dichloroethane		220	E	5.3	ug/Kg	8260C
1,2-Dichloroethane		0.56	J	5.3	ug/Kg	8260C
cis-1,2-Dichloroethene		13000		1100	ug/Kg	8260C
cis-1,2-Dichloroethene		1100	E	5.3	ug/Kg	8260C
trans-1,2-Dichloroethene		0.81	J	5.3	ug/Kg	8260C
Percent Moisture		8.2		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92332-10	**B13-AREA2-S2**					
1,1-Dichloroethane		110		5.4	ug/Kg	8260C
1,2-Dichloroethane		0.39	J	5.4	ug/Kg	8260C
Acetone		6.7	J B	27	ug/Kg	8260C
cis-1,2-Dichloroethene		1800		49	ug/Kg	8260C
Trichloroethene		1.3	J	5.4	ug/Kg	8260C
Vinyl chloride		6.3		5.4	ug/Kg	8260C
Percent Moisture		7.5		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-11	**B-AREA2-DUP2**					
1,1-Dichloroethane		4600		1100	ug/Kg	8260C
1,1-Dichloroethane		290	E	4.8	ug/Kg	8260C
1,1-Dichloroethene		1.5	J	4.8	ug/Kg	8260C
1,2-Dichloroethane		0.69	J	4.8	ug/Kg	8260C
Acetone		6.7	J B	24	ug/Kg	8260C
Carbon disulfide		2.9	J	4.8	ug/Kg	8260C
cis-1,2-Dichloroethene		24000		1100	ug/Kg	8260C
cis-1,2-Dichloroethene		1000	E	4.8	ug/Kg	8260C
trans-1,2-Dichloroethene		0.71	J	4.8	ug/Kg	8260C
Trichloroethene		4.2	J	4.8	ug/Kg	8260C
Vinyl chloride		16		4.8	ug/Kg	8260C
Percent Moisture		5.7		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-92332-12	**B14-AREA2-S1**					
Tetrachloroethene		31000		550	ug/Kg	8260C
Toluene		3000		550	ug/Kg	8260C
Trichloroethene		1400		550	ug/Kg	8260C
Percent Moisture		6.8		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92332-13	**B14-AREA2-S2**					
cis-1,2-Dichloroethene		68		61	ug/Kg	8260C
Tetrachloroethene		810		61	ug/Kg	8260C
Toluene		8.2	J	61	ug/Kg	8260C
Trichloroethene		280		61	ug/Kg	8260C
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-14	**B15-AREA2-S1**					
Acetone		13	J B	27	ug/Kg	8260C
cis-1,2-Dichloroethene		99		5.3	ug/Kg	8260C
Ethylbenzene		670	J F2 F1	1100	ug/Kg	8260C
Ethylbenzene		44		5.3	ug/Kg	8260C
Tetrachloroethene		39000	F2	1100	ug/Kg	8260C
Tetrachloroethene		1600	E	5.3	ug/Kg	8260C
Toluene		1.4	J	5.3	ug/Kg	8260C
trans-1,2-Dichloroethene		0.84	J	5.3	ug/Kg	8260C
Trichloroethene		2900	F1	1100	ug/Kg	8260C
Trichloroethene		370	E	5.3	ug/Kg	8260C
Xylenes, Total		12		11	ug/Kg	8260C
Percent Moisture		6.4		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-92332-15	**B15-AREA2-S2**					
Tetrachloroethene		5.0	J F1 F2	5.3	ug/Kg	8260C
Toluene		0.61	J F1 B	5.3	ug/Kg	8260C
Percent Moisture		7.3		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92332-16	**B16-AREA2-S1**					
cis-1,2-Dichloroethene		36		5.4	ug/Kg	8260C
Percent Moisture		7.7		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92332-17	**B16-AREA2-S2**					
cis-1,2-Dichloroethene		1.0	J F1	6.4	ug/Kg	8260C
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
480-92332-18	**B17-AREA2-S1**					
Acetone		6.3	J B	28	ug/Kg	8260C
cis-1,2-Dichloroethene		1.1	J	5.6	ug/Kg	8260C
Toluene		0.75	J B *	5.6	ug/Kg	8260C
Vinyl chloride		3.0	J	5.6	ug/Kg	8260C
Percent Moisture		12		0.10	%	Moisture
Percent Solids		88		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-19	**B17-AREA2-S2**					
Acetone		8.2	J B	30	ug/Kg	8260C
Toluene		0.60	J B	6.0	ug/Kg	8260C
Vinyl chloride		1.5	J	6.0	ug/Kg	8260C
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture
480-92332-20	**B27-AREA2-S1**					
1,1-Dichloroethane		1.9	J	5.5	ug/Kg	8260C
cis-1,2-Dichloroethene		60		5.5	ug/Kg	8260C
Vinyl chloride		5.6		5.5	ug/Kg	8260C
Percent Moisture		9.3		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-92332-21	**B27-AREA2-S2**					
Percent Moisture		6.2		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-92332-22	**B28-AREA2-S1**					
1,1-Dichloroethane		1.2	J	5.5	ug/Kg	8260C
Acetone		5.5	J	28	ug/Kg	8260C
cis-1,2-Dichloroethene		3.9	J	5.5	ug/Kg	8260C
Trichloroethene		2.2	J	5.5	ug/Kg	8260C
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture
480-92332-23	**B28-AREA2-S2**					
Acetone		5.9	J B *	26	ug/Kg	8260C
cis-1,2-Dichloroethene		0.91	J *	5.3	ug/Kg	8260C
Methylene Chloride		11	*	5.3	ug/Kg	8260C
Tetrachloroethene		2.1	J *	5.3	ug/Kg	8260C
Toluene		1.4	J B *	5.3	ug/Kg	8260C
Percent Moisture		6.0		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-24	**B29-AREA2-S1**					
1,1-Dichloroethane		38		5.2	ug/Kg	8260C
Acetone		4.5	J	26	ug/Kg	8260C
cis-1,2-Dichloroethene		79		5.2	ug/Kg	8260C
Ethylbenzene		410	J	440	ug/Kg	8260C
Ethylbenzene		6.1		5.2	ug/Kg	8260C
Tetrachloroethene		31000		440	ug/Kg	8260C
Tetrachloroethene		690	E	5.2	ug/Kg	8260C
Toluene		120	J	440	ug/Kg	8260C
Toluene		7.6		5.2	ug/Kg	8260C
trans-1,2-Dichloroethene		11		5.2	ug/Kg	8260C
Trichloroethene		18000		440	ug/Kg	8260C
Trichloroethene		1100	E	5.2	ug/Kg	8260C
Xylenes, Total		2.8	J	10	ug/Kg	8260C
Percent Moisture		7.9		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92332-25	**B29-AREA2-S2**					
Acetone		11	J B	29	ug/Kg	8260C
Trichloroethene		2.6	J	5.9	ug/Kg	8260C
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture
480-92332-26	**B30-AREA2-S1**					
Tetrachloroethene		9.7		5.3	ug/Kg	8260C
Toluene		1.4	J	5.3	ug/Kg	8260C
Trichloroethene		2.8	J	5.3	ug/Kg	8260C
Percent Moisture		8.0		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92332-27	**B30-AREA2-S2**					
Percent Moisture		7.1		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-28	**B31-AREA2-S1**					
1,1-Dichloroethane		9.7		5.5	ug/Kg	8260C
Acetone		5.7	J B	28	ug/Kg	8260C
cis-1,2-Dichloroethene		99	J	230	ug/Kg	8260C
cis-1,2-Dichloroethene		39		5.5	ug/Kg	8260C
Ethylbenzene		110	J	230	ug/Kg	8260C
Ethylbenzene		11		5.5	ug/Kg	8260C
Tetrachloroethene		12000		230	ug/Kg	8260C
Tetrachloroethene		990	E	5.5	ug/Kg	8260C
Toluene		95	J	230	ug/Kg	8260C
Toluene		14	B	5.5	ug/Kg	8260C
Trichloroethene		290		230	ug/Kg	8260C
Trichloroethene		55		5.5	ug/Kg	8260C
Xylenes, Total		290	J	460	ug/Kg	8260C
Xylenes, Total		26		11	ug/Kg	8260C
Percent Moisture		9.6		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-92332-29	**B31-AREA2-S2**					
1,1-Dichloroethane		550		32	ug/Kg	8260C
cis-1,2-Dichloroethene		25	J	32	ug/Kg	8260C
Ethylbenzene		2.8	J	32	ug/Kg	8260C
Tetrachloroethene		400		32	ug/Kg	8260C
Toluene		11	J	32	ug/Kg	8260C
Trichloroethene		14	J	32	ug/Kg	8260C
Xylenes, Total		6.2	J	64	ug/Kg	8260C
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture
480-92332-30	**B35-AREA2-S1**					
Ethylbenzene		400	J	1100	ug/Kg	8260C
Tetrachloroethene		45000		1100	ug/Kg	8260C
Trichloroethene		2500		1100	ug/Kg	8260C
Percent Moisture		6.8		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92332-31	**B35-AREA2-S2**					
1,1-Dichloroethane		2.1	J *	5.3	ug/Kg	8260C
Acetone		7.1	J B *	26	ug/Kg	8260C
Chloroform		0.46	J *	5.3	ug/Kg	8260C
Methylene Chloride		11	*	5.3	ug/Kg	8260C
Tetrachloroethene		2.7	J *	5.3	ug/Kg	8260C
Toluene		1.8	J *	5.3	ug/Kg	8260C
Percent Moisture		6.5		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92332-32	**SB-RINSEBLANK3**					
Carbon disulfide		0.45	J B	1.0	ug/L	8260C

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035A
Percent Moisture	TAL BUF	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method	Analyst	Analyst ID
SW846 8260C	Cwiklinski, Charles D	CDC
SW846 8260C	Dias, Nicole M	NMD1
SW846 8260C	Fortain, Gerald V	GVF
SW846 8260C	Goliszek, Gregory T	GTG
EPA Moisture	Dias, Nicole M	NMD1

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B7-AREA2-S1

Lab Sample ID: 480-92332-1
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 12/07/2015 1420
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: 5035
Dilution: 1.0
Analysis Date: 12/15/2015 0253
Prep Date: 12/14/2015 2350

Analysis Batch: 480-279691
Prep Batch: 480-279710

Instrument ID: HP5973P
Lab File ID: P2352.D
Initial Weight/Volume: 5.11 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.88	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1-Dichloroethane		ND		0.66	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.76	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.49	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.33	5.4
Chloromethane		ND		0.33	5.4
cis-1,2-Dichloroethene		ND		0.69	5.4
cis-1,3-Dichloropropene		ND		0.78	5.4
Cyclohexane		ND		0.76	5.4
Dibromochloromethane		ND		0.69	5.4
Dichlorodifluoromethane		ND		0.45	5.4
Ethylbenzene		ND		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		3.3	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.82	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		ND		0.72	5.4
Toluene		ND		0.41	5.4
trans-1,2-Dichloroethene		ND		0.56	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		ND		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B7-AREA2-S1**

Lab Sample ID: 480-92332-1
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 12/07/2015 1420
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2352.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	12/15/2015 0253			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.66	5.4
Xylenes, Total		ND		0.91	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Toluene-d8 (Surr)	100		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B10-AREA2-S1**

Lab Sample ID: 480-92332-2
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 12/07/2015 1335
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279534	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279590	Lab File ID:	P2336.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Analysis Date:	12/14/2015 1847			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 1140				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.89	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.5
1,1,2-Trichloroethane		ND		0.72	5.5
1,1-Dichloroethane		70		0.67	5.5
1,1-Dichloroethene		0.94	J	0.67	5.5
1,2,4-Trichlorobenzene		ND		0.33	5.5
1,2-Dibromo-3-Chloropropane		ND		2.8	5.5
1,2-Dibromoethane		ND		0.71	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.8	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Butanone (MEK)		ND	*	2.0	28
2-Hexanone		ND		2.8	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		ND		4.6	28
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.8	5.5
Bromomethane		ND		0.50	5.5
Carbon disulfide		ND		2.8	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.73	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		190		0.70	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.77	5.5
Dibromochloromethane		ND		0.70	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.83	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.84	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.28	5.5
Tetrachloroethene		ND		0.74	5.5
Toluene		ND		0.42	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		ND		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B10-AREA2-S1

Lab Sample ID: 480-92332-2
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 12/07/2015 1335
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279534	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279590	Lab File ID:	P2336.D
Dilution:	1.0			Initial Weight/Volume:	5.04 g
Analysis Date:	12/14/2015 1847			Final Weight/Volume:	5 mL
Prep Date:	12/12/2015 1140				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		ND		0.93	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Toluene-d8 (Surr)	100		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B10-AREA2-S2

Lab Sample ID: 480-92332-3
Client Matrix: Solid
% Moisture: 6.2

Date Sampled: 12/07/2015 1330
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6377.D
Dilution:	10			Initial Weight/Volume:	5.12 g
Analysis Date:	12/20/2015 1853	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		300	1100
1,1,2,2-Tetrachloroethane		ND		170	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		540	1100
1,1,2-Trichloroethane		ND		230	1100
1,1-Dichloroethane		ND		330	1100
1,1-Dichloroethene		ND		370	1100
1,2,4-Trichlorobenzene		ND		410	1100
1,2-Dibromo-3-Chloropropane		ND		540	1100
1,2-Dibromoethane		ND		190	1100
1,2-Dichlorobenzene		ND		270	1100
1,2-Dichloroethane		ND		440	1100
1,2-Dichloropropane		ND		170	1100
1,3-Dichlorobenzene		ND		290	1100
1,4-Dichlorobenzene		ND		150	1100
2-Butanone (MEK)		ND		3200	5400
2-Hexanone		ND		2200	5400
4-Methyl-2-pentanone (MIBK)		ND		340	5400
Acetone		ND		4400	5400
Benzene		ND		200	1100
Bromodichloromethane		ND		210	1100
Bromoform		ND		540	1100
Bromomethane		ND		240	1100
Carbon disulfide		ND		490	1100
Carbon tetrachloride		ND		270	1100
Chlorobenzene		ND		140	1100
Chloroethane		ND		220	1100
Chloroform		ND		740	1100
Chloromethane		ND		260	1100
cis-1,2-Dichloroethene		6800		300	1100
cis-1,3-Dichloropropene		ND		260	1100
Cyclohexane		ND		240	1100
Dibromochloromethane		ND		520	1100
Dichlorodifluoromethane		ND		470	1100
Ethylbenzene		ND		310	1100
Isopropylbenzene		ND		160	1100
Methyl acetate		ND		510	1100
Methyl tert-butyl ether		ND		410	1100
Methylcyclohexane		ND		500	1100
Methylene Chloride		ND		210	1100
Styrene		ND		260	1100
Tetrachloroethene		310	J	140	1100
Toluene		ND		290	1100
trans-1,2-Dichloroethene		ND		250	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		ND		300	1100
Trichlorofluoromethane		ND		500	1100

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B10-AREA2-S2

Lab Sample ID: 480-92332-3
Client Matrix: Solid

% Moisture: 6.2

Date Sampled: 12/07/2015 1330
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6377.D
Dilution:	10			Initial Weight/Volume:	5.12 g
Analysis Date:	12/20/2015 1853	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		360	1100
Xylenes, Total		ND		600	2100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		53 - 146
4-Bromofluorobenzene (Surr)	96		49 - 148
Toluene-d8 (Surr)	102		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B10-AREA2-S2

Lab Sample ID: 480-92332-3
Client Matrix: Solid

% Moisture: 6.2

Date Sampled: 12/07/2015 1330
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2353.D
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	12/15/2015 0321			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		3.3	45
1,1,2,2-Tetrachloroethane		ND		7.3	45
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10	45
1,1,2-Trichloroethane		ND		5.9	45
1,1-Dichloroethane		100		5.5	45
1,1-Dichloroethene		ND		5.5	45
1,2,4-Trichlorobenzene		ND		2.7	45
1,2-Dibromo-3-Chloropropane		ND		23	45
1,2-Dibromoethane		ND		5.8	45
1,2-Dichlorobenzene		ND		3.5	45
1,2-Dichloroethane		ND		2.3	45
1,2-Dichloropropane		ND		23	45
1,3-Dichlorobenzene		ND		2.3	45
1,4-Dichlorobenzene		ND		6.3	45
2-Butanone (MEK)		ND		17	230
2-Hexanone		ND		23	230
4-Methyl-2-pentanone (MIBK)		ND		15	230
Acetone		ND		38	230
Benzene		ND		2.2	45
Bromodichloromethane		ND		6.1	45
Bromoform		ND		23	45
Bromomethane		ND		4.1	45
Carbon disulfide		ND		23	45
Carbon tetrachloride		ND		4.4	45
Chlorobenzene		ND		6.0	45
Chloroethane		ND		10	45
Chloroform		ND		2.8	45
Chloromethane		ND		2.7	45
cis-1,2-Dichloroethene		3600	E	5.8	45
cis-1,3-Dichloropropene		ND		6.5	45
Cyclohexane		ND		6.3	45
Dibromochloromethane		ND		5.8	45
Dichlorodifluoromethane		ND		3.7	45
Ethylbenzene		ND		3.1	45
Isopropylbenzene		ND		6.8	45
Methyl acetate		ND		27	45
Methyl tert-butyl ether		ND		4.4	45
Methylcyclohexane		ND		6.9	45
Methylene Chloride		ND		21	45
Styrene		ND		2.3	45
Tetrachloroethene		44	J	6.1	45
Toluene		14	J	3.4	45
trans-1,2-Dichloroethene		12	J	4.7	45
trans-1,3-Dichloropropene		ND		20	45
Trichloroethene		13	J	9.9	45
Trichlorofluoromethane		ND		4.3	45

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B10-AREA2-S2

Lab Sample ID: 480-92332-3
Client Matrix: Solid

% Moisture: 6.2

Date Sampled: 12/07/2015 1330
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2353.D
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	12/15/2015 0321			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		5.5	45
Xylenes, Total		ND		7.6	90

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	87		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B10-AREA2-S3

Lab Sample ID: 480-92332-4
Client Matrix: Solid
% Moisture: 9.7

Date Sampled: 12/07/2015 1355
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2358.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	12/15/2015 0537			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.87	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1-Dichloroethane		ND		0.65	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.75	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		7.1	J B	4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.48	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.33	5.4
Chloromethane		ND		0.32	5.4
cis-1,2-Dichloroethene		5.8		0.69	5.4
cis-1,3-Dichloropropene		ND		0.77	5.4
Cyclohexane		ND		0.75	5.4
Dibromochloromethane		ND		0.69	5.4
Dichlorodifluoromethane		ND		0.44	5.4
Ethylbenzene		ND		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		3.2	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.81	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		ND		0.72	5.4
Toluene		ND		0.40	5.4
trans-1,2-Dichloroethene		ND		0.55	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		ND		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B10-AREA2-S3

Lab Sample ID: 480-92332-4
Client Matrix: Solid
% Moisture: 9.7

Date Sampled: 12/07/2015 1355
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2358.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	12/15/2015 0537			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.4
Xylenes, Total		ND		0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
4-Bromofluorobenzene (Surr)	86		72 - 126
Toluene-d8 (Surr)	107		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B11-AREA2-S1

Lab Sample ID: 480-92332-5
Client Matrix: Solid

% Moisture: 7.6

Date Sampled: 12/07/2015 1305
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6378.D
Dilution:	4.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/20/2015 1916	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		120	450
1,1,2,2-Tetrachloroethane		ND		72	450
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		220	450
1,1,2-Trichloroethane		ND		94	450
1,1-Dichloroethane		2100		140	450
1,1-Dichloroethene		ND		150	450
1,2,4-Trichlorobenzene		ND		170	450
1,2-Dibromo-3-Chloropropane		ND		220	450
1,2-Dibromoethane		ND		78	450
1,2-Dichlorobenzene		ND		110	450
1,2-Dichloroethane		ND		180	450
1,2-Dichloropropane		ND		72	450
1,3-Dichlorobenzene		ND		120	450
1,4-Dichlorobenzene		ND		62	450
2-Butanone (MEK)		ND		1300	2200
2-Hexanone		ND		910	2200
4-Methyl-2-pentanone (MIBK)		ND		140	2200
Acetone		ND		1800	2200
Benzene		ND		85	450
Bromodichloromethane		ND		89	450
Bromoform		ND		220	450
Bromomethane		ND		98	450
Carbon disulfide		ND		200	450
Carbon tetrachloride		ND		110	450
Chlorobenzene		ND		59	450
Chloroethane		ND		93	450
Chloroform		ND		310	450
Chloromethane		ND		110	450
cis-1,2-Dichloroethene		12000		120	450
cis-1,3-Dichloropropene		ND		110	450
Cyclohexane		ND		99	450
Dibromochloromethane		ND		220	450
Dichlorodifluoromethane		ND		190	450
Ethylbenzene		ND		130	450
Isopropylbenzene		ND		67	450
Methyl acetate		ND		210	450
Methyl tert-butyl ether		ND		170	450
Methylcyclohexane		ND		210	450
Methylene Chloride		ND		88	450
Styrene		ND		110	450
Tetrachloroethene		ND		60	450
Toluene		ND		120	450
trans-1,2-Dichloroethene		ND		110	450
trans-1,3-Dichloropropene		ND		44	450
Trichloroethene		ND		120	450
Trichlorofluoromethane		ND		210	450

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B11-AREA2-S1

Lab Sample ID: 480-92332-5
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 12/07/2015 1305
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6378.D
Dilution:	4.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/20/2015 1916	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		150	450
Xylenes, Total		ND		250	890

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		53 - 146
4-Bromofluorobenzene (Surr)	98		49 - 148
Toluene-d8 (Surr)	103		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B11-AREA2-S1

Lab Sample ID: 480-92332-5
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 12/07/2015 1305
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2359.D
Dilution:	1.0			Initial Weight/Volume:	5.75 g
Analysis Date:	12/15/2015 0604			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.34	4.7
1,1,2,2-Tetrachloroethane		ND		0.76	4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.7
1,1,2-Trichloroethane		ND		0.61	4.7
1,1-Dichloroethane		110		0.57	4.7
1,1-Dichloroethene		ND		0.58	4.7
1,2,4-Trichlorobenzene		ND		0.29	4.7
1,2-Dibromo-3-Chloropropane		ND		2.4	4.7
1,2-Dibromoethane		ND		0.60	4.7
1,2-Dichlorobenzene		ND		0.37	4.7
1,2-Dichloroethane		ND		0.24	4.7
1,2-Dichloropropane		ND		2.4	4.7
1,3-Dichlorobenzene		ND		0.24	4.7
1,4-Dichlorobenzene		ND		0.66	4.7
2-Butanone (MEK)		ND		1.7	24
2-Hexanone		ND		2.4	24
4-Methyl-2-pentanone (MIBK)		ND		1.5	24
Acetone		ND		4.0	24
Benzene		ND		0.23	4.7
Bromodichloromethane		ND		0.63	4.7
Bromoform		ND		2.4	4.7
Bromomethane		ND		0.42	4.7
Carbon disulfide		ND		2.4	4.7
Carbon tetrachloride		ND		0.46	4.7
Chlorobenzene		ND		0.62	4.7
Chloroethane		ND		1.1	4.7
Chloroform		ND		0.29	4.7
Chloromethane		ND		0.28	4.7
cis-1,2-Dichloroethene		530	E	0.60	4.7
cis-1,3-Dichloropropene		ND		0.68	4.7
Cyclohexane		ND		0.66	4.7
Dibromochloromethane		ND		0.60	4.7
Dichlorodifluoromethane		ND		0.39	4.7
Ethylbenzene		ND		0.32	4.7
Isopropylbenzene		ND		0.71	4.7
Methyl acetate		ND		2.8	4.7
Methyl tert-butyl ether		ND		0.46	4.7
Methylcyclohexane		ND		0.72	4.7
Methylene Chloride		ND		2.2	4.7
Styrene		ND		0.24	4.7
Tetrachloroethene		ND		0.63	4.7
Toluene		ND		0.36	4.7
trans-1,2-Dichloroethene		ND		0.49	4.7
trans-1,3-Dichloropropene		ND		2.1	4.7
Trichloroethene		ND		1.0	4.7
Trichlorofluoromethane		ND		0.45	4.7

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B11-AREA2-S1

Lab Sample ID: 480-92332-5
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 12/07/2015 1305
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2359.D
Dilution:	1.0			Initial Weight/Volume:	5.75 g
Analysis Date:	12/15/2015 0604			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		11		0.57	4.7
Xylenes, Total		ND		0.79	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene (Surr)	93		72 - 126
Toluene-d8 (Surr)	101		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B12-AREA2-S1

Lab Sample ID: 480-92332-6
Client Matrix: Solid

% Moisture: 8.5

Date Sampled: 12/07/2015 0845
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2382.D
Dilution:	1.0			Initial Weight/Volume:	0.5 g
Analysis Date:	12/15/2015 1804			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		4.0	55
1,1,2,2-Tetrachloroethane		ND		8.9	55
1,1,2-Trichloro-1,2,2-trifluoroethane		110		12	55
1,1,2-Trichloroethane		ND		7.1	55
1,1-Dichloroethane		26	J	6.7	55
1,1-Dichloroethene		ND		6.7	55
1,2,4-Trichlorobenzene		ND		3.3	55
1,2-Dibromo-3-Chloropropane		ND		27	55
1,2-Dibromoethane		ND		7.0	55
1,2-Dichlorobenzene		ND		4.3	55
1,2-Dichloroethane		ND		2.7	55
1,2-Dichloropropane		ND		27	55
1,3-Dichlorobenzene		ND		2.8	55
1,4-Dichlorobenzene		ND		7.6	55
2-Butanone (MEK)		ND		20	270
2-Hexanone		ND		27	270
4-Methyl-2-pentanone (MIBK)		ND		18	270
Acetone		ND		46	270
Benzene		ND		2.7	55
Bromodichloromethane		ND		7.3	55
Bromoform		ND		27	55
Bromomethane		ND		4.9	55
Carbon disulfide		ND		27	55
Carbon tetrachloride		ND		5.3	55
Chlorobenzene		ND		7.2	55
Chloroethane		ND		12	55
Chloroform		ND		3.4	55
Chloromethane		ND		3.3	55
cis-1,2-Dichloroethene		1700		7.0	55
cis-1,3-Dichloropropene		ND		7.9	55
Cyclohexane		ND		7.6	55
Dibromochloromethane		ND		7.0	55
Dichlorodifluoromethane		ND		4.5	55
Ethylbenzene		ND		3.8	55
Isopropylbenzene		ND		8.2	55
Methyl acetate		ND		33	55
Methyl tert-butyl ether		ND		5.4	55
Methylcyclohexane		ND		8.3	55
Methylene Chloride		ND		25	55
Styrene		ND		2.7	55
Tetrachloroethene		ND		7.3	55
Toluene		ND		4.1	55
trans-1,2-Dichloroethene		ND		5.6	55
trans-1,3-Dichloropropene		ND		24	55
Trichloroethene		ND		12	55
Trichlorofluoromethane		ND		5.2	55

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B12-AREA2-S1**

Lab Sample ID: 480-92332-6
Client Matrix: Solid
% Moisture: 8.5

Date Sampled: 12/07/2015 0845
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2382.D
Dilution:	1.0			Initial Weight/Volume:	0.5 g
Analysis Date:	12/15/2015 1804			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		6.7	55
Xylenes, Total		ND		9.2	110

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	90		72 - 126
Toluene-d8 (Surr)	101		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B12-AREA2-S2

Lab Sample ID: 480-92332-7
Client Matrix: Solid

% Moisture: 7.4

Date Sampled: 12/07/2015 0905
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6380.D
Dilution:	10			Initial Weight/Volume:	5.07 g
Analysis Date:	12/20/2015 2002			Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		310	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		15000		550	1100
1,1,2-Trichloroethane		ND		230	1100
1,1-Dichloroethane		ND		340	1100
1,1-Dichloroethene		ND		380	1100
1,2,4-Trichlorobenzene		ND		420	1100
1,2-Dibromo-3-Chloropropane		ND		550	1100
1,2-Dibromoethane		ND		190	1100
1,2-Dichlorobenzene		ND		280	1100
1,2-Dichloroethane		ND		450	1100
1,2-Dichloropropane		ND		180	1100
1,3-Dichlorobenzene		ND		300	1100
1,4-Dichlorobenzene		ND		150	1100
2-Butanone (MEK)		ND		3300	5500
2-Hexanone		ND		2300	5500
4-Methyl-2-pentanone (MIBK)		ND		350	5500
Acetone		ND		4500	5500
Benzene		ND		210	1100
Bromodichloromethane		ND		220	1100
Bromoform		ND		550	1100
Bromomethane		ND		240	1100
Carbon disulfide		ND		500	1100
Carbon tetrachloride		ND		280	1100
Chlorobenzene		ND		150	1100
Chloroethane		ND		230	1100
Chloroform		ND		760	1100
Chloromethane		ND		260	1100
cis-1,2-Dichloroethene		3200		300	1100
cis-1,3-Dichloropropene		ND		260	1100
Cyclohexane		ND		250	1100
Dibromochloromethane		ND		530	1100
Dichlorodifluoromethane		ND		480	1100
Ethylbenzene		ND		320	1100
Isopropylbenzene		ND		170	1100
Methyl acetate		ND		530	1100
Methyl tert-butyl ether		ND		420	1100
Methylcyclohexane		ND		520	1100
Methylene Chloride		ND		220	1100
Styrene		ND		270	1100
Tetrachloroethene		ND		150	1100
Toluene		ND		300	1100
trans-1,2-Dichloroethene		ND		260	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		37000		310	1100
Trichlorofluoromethane		ND		520	1100

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B12-AREA2-S2**

Lab Sample ID: 480-92332-7
Client Matrix: Solid
% Moisture: 7.4

Date Sampled: 12/07/2015 0905
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6380.D
Dilution:	10			Initial Weight/Volume:	5.07 g
Analysis Date:	12/20/2015 2002			Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		370	1100
Xylenes, Total		ND		610	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		53 - 146
4-Bromofluorobenzene (Surr)	97		49 - 148
Toluene-d8 (Surr)	102		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B12-AREA2-S3

Lab Sample ID: 480-92332-8
Client Matrix: Solid
% Moisture: 18.4

Date Sampled: 12/07/2015 0915
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2383.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	12/15/2015 1831			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.43	5.9
1,1,2,2-Tetrachloroethane		ND		0.96	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	5.9
1,1,2-Trichloroethane		ND		0.77	5.9
1,1-Dichloroethane		ND		0.72	5.9
1,1-Dichloroethene		ND		0.73	5.9
1,2,4-Trichlorobenzene		ND		0.36	5.9
1,2-Dibromo-3-Chloropropane		ND		3.0	5.9
1,2-Dibromoethane		ND		0.76	5.9
1,2-Dichlorobenzene		ND		0.46	5.9
1,2-Dichloroethane		ND		0.30	5.9
1,2-Dichloropropane		ND		3.0	5.9
1,3-Dichlorobenzene		ND		0.30	5.9
1,4-Dichlorobenzene		ND		0.83	5.9
2-Butanone (MEK)		ND		2.2	30
2-Hexanone		ND		3.0	30
4-Methyl-2-pentanone (MIBK)		ND		1.9	30
Acetone		27	J	5.0	30
Benzene		ND		0.29	5.9
Bromodichloromethane		ND		0.79	5.9
Bromoform		ND		3.0	5.9
Bromomethane		ND		0.53	5.9
Carbon disulfide		ND		3.0	5.9
Carbon tetrachloride		ND		0.57	5.9
Chlorobenzene		ND		0.78	5.9
Chloroethane		ND		1.3	5.9
Chloroform		ND		0.37	5.9
Chloromethane		ND		0.36	5.9
cis-1,2-Dichloroethene		6.2		0.76	5.9
cis-1,3-Dichloropropene		ND		0.85	5.9
Cyclohexane		ND		0.83	5.9
Dibromochloromethane		ND		0.76	5.9
Dichlorodifluoromethane		ND		0.49	5.9
Ethylbenzene		ND		0.41	5.9
Isopropylbenzene		ND		0.89	5.9
Methyl acetate		ND		3.6	5.9
Methyl tert-butyl ether		ND		0.58	5.9
Methylcyclohexane		ND		0.90	5.9
Methylene Chloride		ND		2.7	5.9
Styrene		ND		0.30	5.9
Tetrachloroethene		ND		0.80	5.9
Toluene		ND		0.45	5.9
trans-1,2-Dichloroethene		ND		0.61	5.9
trans-1,3-Dichloropropene		ND		2.6	5.9
Trichloroethene		2.1	J	1.3	5.9
Trichlorofluoromethane		ND		0.56	5.9

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B12-AREA2-S3**

Lab Sample ID: 480-92332-8
Client Matrix: Solid
% Moisture: 18.4

Date Sampled: 12/07/2015 0915
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2383.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	12/15/2015 1831			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.72	5.9
Xylenes, Total		ND		1.0	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	78		72 - 126
Toluene-d8 (Surr)	108		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B13-AREA2-S1**

Lab Sample ID: 480-92332-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 12/07/2015 0940
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6381.D
Dilution:	10			Initial Weight/Volume:	5.05 g
Analysis Date:	12/20/2015 2024	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		310	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		560	1100
1,1,2-Trichloroethane		ND		240	1100
1,1-Dichloroethane		1900		350	1100
1,1-Dichloroethene		ND		390	1100
1,2,4-Trichlorobenzene		ND		430	1100
1,2-Dibromo-3-Chloropropane		ND		560	1100
1,2-Dibromoethane		ND		200	1100
1,2-Dichlorobenzene		ND		290	1100
1,2-Dichloroethane		ND		460	1100
1,2-Dichloropropane		ND		180	1100
1,3-Dichlorobenzene		ND		300	1100
1,4-Dichlorobenzene		ND		160	1100
2-Butanone (MEK)		ND		3300	5600
2-Hexanone		ND		2300	5600
4-Methyl-2-pentanone (MIBK)		ND		360	5600
Acetone		ND		4600	5600
Benzene		ND		210	1100
Bromodichloromethane		ND		220	1100
Bromoform		ND		560	1100
Bromomethane		ND		250	1100
Carbon disulfide		ND		510	1100
Carbon tetrachloride		ND		290	1100
Chlorobenzene		ND		150	1100
Chloroethane		ND		230	1100
Chloroform		ND		770	1100
Chloromethane		ND		270	1100
cis-1,2-Dichloroethene		13000		310	1100
cis-1,3-Dichloropropene		ND		270	1100
Cyclohexane		ND		250	1100
Dibromochloromethane		ND		540	1100
Dichlorodifluoromethane		ND		490	1100
Ethylbenzene		ND		330	1100
Isopropylbenzene		ND		170	1100
Methyl acetate		ND		530	1100
Methyl tert-butyl ether		ND		420	1100
Methylcyclohexane		ND		530	1100
Methylene Chloride		ND		220	1100
Styrene		ND		270	1100
Tetrachloroethene		ND		150	1100
Toluene		ND		300	1100
trans-1,2-Dichloroethene		ND		270	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		ND		310	1100
Trichlorofluoromethane		ND		530	1100

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B13-AREA2-S1

Lab Sample ID: 480-92332-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 12/07/2015 0940
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6381.D
Dilution:	10			Initial Weight/Volume:	5.05 g
Analysis Date:	12/20/2015 2024	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		380	1100
Xylenes, Total		ND		620	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		53 - 146
4-Bromofluorobenzene (Surr)	94		49 - 148
Toluene-d8 (Surr)	98		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B13-AREA2-S1

Lab Sample ID: 480-92332-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 12/07/2015 0940
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2363.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/15/2015 0753			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.3
1,1,2,2-Tetrachloroethane		ND		0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		220	E	0.64	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND		0.32	5.3
1,2-Dibromo-3-Chloropropane		ND		2.6	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND		0.41	5.3
1,2-Dichloroethane		0.56	J	0.26	5.3
1,2-Dichloropropane		ND		2.6	5.3
1,3-Dichlorobenzene		ND		0.27	5.3
1,4-Dichlorobenzene		ND		0.74	5.3
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.6	5.3
Bromomethane		ND		0.47	5.3
Carbon disulfide		ND		2.6	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		1100	E	0.68	5.3
cis-1,3-Dichloropropene		ND		0.76	5.3
Cyclohexane		ND		0.74	5.3
Dibromochloromethane		ND		0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.36	5.3
Isopropylbenzene		ND		0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.80	5.3
Methylene Chloride		ND		2.4	5.3
Styrene		ND		0.26	5.3
Tetrachloroethene		ND		0.71	5.3
Toluene		ND		0.40	5.3
trans-1,2-Dichloroethene		0.81	J	0.54	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		ND		1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B13-AREA2-S1

Lab Sample ID: 480-92332-9
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 12/07/2015 0940
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2363.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/15/2015 0753			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	96		72 - 126
Toluene-d8 (Surr)	99		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B13-AREA2-S2

Lab Sample ID: 480-92332-10
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 12/07/2015 0955
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2364.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/15/2015 0821			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.87	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1-Dichloroethane		110		0.66	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		0.39	J	0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.75	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		6.7	J B	4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.48	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.33	5.4
Chloromethane		ND		0.32	5.4
cis-1,2-Dichloroethene		560	E	0.69	5.4
cis-1,3-Dichloropropene		ND		0.77	5.4
Cyclohexane		ND		0.75	5.4
Dibromochloromethane		ND		0.69	5.4
Dichlorodifluoromethane		ND		0.44	5.4
Ethylbenzene		ND		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		3.2	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.82	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		ND		0.72	5.4
Toluene		ND		0.41	5.4
trans-1,2-Dichloroethene		ND		0.55	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		1.3	J	1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B13-AREA2-S2

Lab Sample ID: 480-92332-10
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 12/07/2015 0955
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2364.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/15/2015 0821			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		6.3		0.66	5.4
Xylenes, Total		ND		0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Toluene-d8 (Surr)	101		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B13-AREA2-S2

Lab Sample ID: 480-92332-10
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 12/07/2015 0955
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2384.D
Dilution:	1.0			Initial Weight/Volume:	0.55 g
Analysis Date:	12/15/2015 1858	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		3.6	49
1,1,2,2-Tetrachloroethane		ND		8.0	49
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		11	49
1,1,2-Trichloroethane		ND		6.4	49
1,1-Dichloroethane		230		6.0	49
1,1-Dichloroethene		ND		6.0	49
1,2,4-Trichlorobenzene		ND		3.0	49
1,2-Dibromo-3-Chloropropane		ND		25	49
1,2-Dibromoethane		ND		6.3	49
1,2-Dichlorobenzene		ND		3.8	49
1,2-Dichloroethane		ND		2.5	49
1,2-Dichloropropane		ND		25	49
1,3-Dichlorobenzene		ND		2.5	49
1,4-Dichlorobenzene		ND		6.9	49
2-Butanone (MEK)		ND		18	250
2-Hexanone		ND		25	250
4-Methyl-2-pentanone (MIBK)		ND		16	250
Acetone		ND		41	250
Benzene		ND		2.4	49
Bromodichloromethane		ND		6.6	49
Bromoform		ND		25	49
Bromomethane		ND		4.4	49
Carbon disulfide		ND		25	49
Carbon tetrachloride		ND		4.8	49
Chlorobenzene		ND		6.5	49
Chloroethane		ND		11	49
Chloroform		ND		3.0	49
Chloromethane		ND		3.0	49
cis-1,2-Dichloroethene		1800		6.3	49
cis-1,3-Dichloropropene		ND		7.1	49
Cyclohexane		ND		6.9	49
Dibromochloromethane		ND		6.3	49
Dichlorodifluoromethane		ND		4.1	49
Ethylbenzene		ND		3.4	49
Isopropylbenzene		ND		7.4	49
Methyl acetate		ND		30	49
Methyl tert-butyl ether		ND		4.8	49
Methylcyclohexane		ND		7.5	49
Methylene Chloride		ND		23	49
Styrene		ND		2.5	49
Tetrachloroethene		ND		6.6	49
Toluene		ND		3.7	49
trans-1,2-Dichloroethene		ND		5.1	49
trans-1,3-Dichloropropene		ND		22	49
Trichloroethene		ND		11	49
Trichlorofluoromethane		ND		4.6	49

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B13-AREA2-S2

Lab Sample ID: 480-92332-10
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 12/07/2015 0955
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2384.D
Dilution:	1.0			Initial Weight/Volume:	0.55 g
Analysis Date:	12/15/2015 1858	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		6.0	49
Xylenes, Total		ND		8.3	98

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	86		72 - 126
Toluene-d8 (Surr)	102		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B-AREA2-DUP2

Lab Sample ID: 480-92332-11
Client Matrix: Solid

% Moisture: 5.7

Date Sampled: 12/07/2015 1000
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6382.D
Dilution:	10			Initial Weight/Volume:	5.06 g
Analysis Date:	12/20/2015 2047	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		300	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		540	1100
1,1,2-Trichloroethane		ND		230	1100
1,1-Dichloroethane		4600		330	1100
1,1-Dichloroethene		ND		370	1100
1,2,4-Trichlorobenzene		ND		410	1100
1,2-Dibromo-3-Chloropropane		ND		540	1100
1,2-Dibromoethane		ND		190	1100
1,2-Dichlorobenzene		ND		270	1100
1,2-Dichloroethane		ND		440	1100
1,2-Dichloropropane		ND		170	1100
1,3-Dichlorobenzene		ND		290	1100
1,4-Dichlorobenzene		ND		150	1100
2-Butanone (MEK)		ND		3200	5400
2-Hexanone		ND		2200	5400
4-Methyl-2-pentanone (MIBK)		ND		340	5400
Acetone		ND		4400	5400
Benzene		ND		200	1100
Bromodichloromethane		ND		220	1100
Bromoform		ND		540	1100
Bromomethane		ND		240	1100
Carbon disulfide		ND		490	1100
Carbon tetrachloride		ND		270	1100
Chlorobenzene		ND		140	1100
Chloroethane		ND		220	1100
Chloroform		ND		740	1100
Chloromethane		ND		260	1100
cis-1,2-Dichloroethene		24000		300	1100
cis-1,3-Dichloropropene		ND		260	1100
Cyclohexane		ND		240	1100
Dibromochloromethane		ND		520	1100
Dichlorodifluoromethane		ND		470	1100
Ethylbenzene		ND		310	1100
Isopropylbenzene		ND		160	1100
Methyl acetate		ND		510	1100
Methyl tert-butyl ether		ND		410	1100
Methylcyclohexane		ND		500	1100
Methylene Chloride		ND		210	1100
Styrene		ND		260	1100
Tetrachloroethene		ND		140	1100
Toluene		ND		290	1100
trans-1,2-Dichloroethene		ND		250	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		ND		300	1100
Trichlorofluoromethane		ND		510	1100

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B-AREA2-DUP2

Lab Sample ID: 480-92332-11
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 12/07/2015 1000
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6382.D
Dilution:	10			Initial Weight/Volume:	5.06 g
Analysis Date:	12/20/2015 2047	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		360	1100
Xylenes, Total		ND		600	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		53 - 146
4-Bromofluorobenzene (Surr)	94		49 - 148
Toluene-d8 (Surr)	101		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B-AREA2-DUP2

Lab Sample ID: 480-92332-11
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 12/07/2015 1000
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2365.D
Dilution:	1.0			Initial Weight/Volume:	5.54 g
Analysis Date:	12/15/2015 0848			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.35	4.8
1,1,2,2-Tetrachloroethane		ND		0.78	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.8
1,1,2-Trichloroethane		ND		0.62	4.8
1,1-Dichloroethane		290	E	0.58	4.8
1,1-Dichloroethene		1.5	J	0.59	4.8
1,2,4-Trichlorobenzene		ND		0.29	4.8
1,2-Dibromo-3-Chloropropane		ND		2.4	4.8
1,2-Dibromoethane		ND		0.61	4.8
1,2-Dichlorobenzene		ND		0.37	4.8
1,2-Dichloroethane		0.69	J	0.24	4.8
1,2-Dichloropropane		ND		2.4	4.8
1,3-Dichlorobenzene		ND		0.25	4.8
1,4-Dichlorobenzene		ND		0.67	4.8
2-Butanone (MEK)		ND		1.8	24
2-Hexanone		ND		2.4	24
4-Methyl-2-pentanone (MIBK)		ND		1.6	24
Acetone		6.7	J B	4.0	24
Benzene		ND		0.23	4.8
Bromodichloromethane		ND		0.64	4.8
Bromoform		ND		2.4	4.8
Bromomethane		ND		0.43	4.8
Carbon disulfide		2.9	J	2.4	4.8
Carbon tetrachloride		ND		0.46	4.8
Chlorobenzene		ND		0.63	4.8
Chloroethane		ND		1.1	4.8
Chloroform		ND		0.30	4.8
Chloromethane		ND		0.29	4.8
cis-1,2-Dichloroethene		1000	E	0.61	4.8
cis-1,3-Dichloropropene		ND		0.69	4.8
Cyclohexane		ND		0.67	4.8
Dibromochloromethane		ND		0.61	4.8
Dichlorodifluoromethane		ND		0.40	4.8
Ethylbenzene		ND		0.33	4.8
Isopropylbenzene		ND		0.72	4.8
Methyl acetate		ND		2.9	4.8
Methyl tert-butyl ether		ND		0.47	4.8
Methylcyclohexane		ND		0.73	4.8
Methylene Chloride		ND		2.2	4.8
Styrene		ND		0.24	4.8
Tetrachloroethene		ND		0.64	4.8
Toluene		ND		0.36	4.8
trans-1,2-Dichloroethene		0.71	J	0.49	4.8
trans-1,3-Dichloropropene		ND		2.1	4.8
Trichloroethene		4.2	J	1.1	4.8
Trichlorofluoromethane		ND		0.45	4.8

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B-AREA2-DUP2**

Lab Sample ID: 480-92332-11
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 12/07/2015 1000
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2365.D
Dilution:	1.0			Initial Weight/Volume:	5.54 g
Analysis Date:	12/15/2015 0848			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		16		0.58	4.8
Xylenes, Total		ND		0.80	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	82		72 - 126
Toluene-d8 (Surr)	109		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B14-AREA2-S1**

Lab Sample ID: 480-92332-12
Client Matrix: Solid % Moisture: 6.8

Date Sampled: 12/07/2015 1055
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280772	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6399.D
Dilution:	5.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/21/2015 1403			Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		150	550
1,1,2,2-Tetrachloroethane		ND		90	550
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		280	550
1,1,2-Trichloroethane		ND		120	550
1,1-Dichloroethane		ND		170	550
1,1-Dichloroethene		ND		190	550
1,2,4-Trichlorobenzene		ND		210	550
1,2-Dibromo-3-Chloropropane		ND		280	550
1,2-Dibromoethane		ND		96	550
1,2-Dichlorobenzene		ND		140	550
1,2-Dichloroethane		ND		230	550
1,2-Dichloropropane		ND		89	550
1,3-Dichlorobenzene		ND		150	550
1,4-Dichlorobenzene		ND		77	550
2-Butanone (MEK)		ND		1600	2800
2-Hexanone		ND		1100	2800
4-Methyl-2-pentanone (MIBK)		ND		180	2800
Acetone		ND		2300	2800
Benzene		ND		100	550
Bromodichloromethane		ND		110	550
Bromoform		ND		280	550
Bromomethane		ND		120	550
Carbon disulfide		ND		250	550
Carbon tetrachloride		ND		140	550
Chlorobenzene		ND		73	550
Chloroethane		ND		110	550
Chloroform		ND		380	550
Chloromethane		ND		130	550
cis-1,2-Dichloroethene		ND		150	550
cis-1,3-Dichloropropene		ND		130	550
Cyclohexane		ND		120	550
Dibromochloromethane		ND		270	550
Dichlorodifluoromethane		ND		240	550
Ethylbenzene		ND		160	550
Isopropylbenzene		ND		83	550
Methyl acetate		ND		260	550
Methyl tert-butyl ether		ND		210	550
Methylcyclohexane		ND		260	550
Methylene Chloride		ND		110	550
Styrene		ND		130	550
Tetrachloroethene		31000		74	550
Toluene		3000		150	550
trans-1,2-Dichloroethene		ND		130	550
trans-1,3-Dichloropropene		ND		54	550
Trichloroethene		1400		150	550
Trichlorofluoromethane		ND		260	550

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B14-AREA2-S1

Lab Sample ID: 480-92332-12
Client Matrix: Solid

% Moisture: 6.8

Date Sampled: 12/07/2015 1055
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280772	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6399.D
Dilution:	5.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/21/2015 1403			Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		180	550
Xylenes, Total		ND		310	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		53 - 146
4-Bromofluorobenzene (Surr)	97		49 - 148
Toluene-d8 (Surr)	101		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B14-AREA2-S2

Lab Sample ID: 480-92332-13
Client Matrix: Solid
% Moisture: 19.0

Date Sampled: 12/07/2015 1105
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2385.D
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Analysis Date:	12/15/2015 1926			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		4.4	61
1,1,2,2-Tetrachloroethane		ND		9.8	61
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14	61
1,1,2-Trichloroethane		ND		7.9	61
1,1-Dichloroethane		ND		7.4	61
1,1-Dichloroethene		ND		7.4	61
1,2,4-Trichlorobenzene		ND		3.7	61
1,2-Dibromo-3-Chloropropane		ND		30	61
1,2-Dibromoethane		ND		7.8	61
1,2-Dichlorobenzene		ND		4.7	61
1,2-Dichloroethane		ND		3.0	61
1,2-Dichloropropane		ND		30	61
1,3-Dichlorobenzene		ND		3.1	61
1,4-Dichlorobenzene		ND		8.5	61
2-Butanone (MEK)		ND		22	300
2-Hexanone		ND		30	300
4-Methyl-2-pentanone (MIBK)		ND		20	300
Acetone		ND		51	300
Benzene		ND		3.0	61
Bromodichloromethane		ND		8.1	61
Bromoform		ND		30	61
Bromomethane		ND		5.4	61
Carbon disulfide		ND		30	61
Carbon tetrachloride		ND		5.9	61
Chlorobenzene		ND		8.0	61
Chloroethane		ND		14	61
Chloroform		ND		3.7	61
Chloromethane		ND		3.7	61
cis-1,2-Dichloroethene		68		7.7	61
cis-1,3-Dichloropropene		ND		8.7	61
Cyclohexane		ND		8.5	61
Dibromochloromethane		ND		7.7	61
Dichlorodifluoromethane		ND		5.0	61
Ethylbenzene		ND		4.2	61
Isopropylbenzene		ND		9.1	61
Methyl acetate		ND		37	61
Methyl tert-butyl ether		ND		5.9	61
Methylcyclohexane		ND		9.2	61
Methylene Chloride		ND		28	61
Styrene		ND		3.0	61
Tetrachloroethene		810		8.1	61
Toluene		8.2	J	4.6	61
trans-1,2-Dichloroethene		ND		6.2	61
trans-1,3-Dichloropropene		ND		27	61
Trichloroethene		280		13	61
Trichlorofluoromethane		ND		5.7	61

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B14-AREA2-S2

Lab Sample ID: 480-92332-13
Client Matrix: Solid
% Moisture: 19.0

Date Sampled: 12/07/2015 1105
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2385.D
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Analysis Date:	12/15/2015 1926			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		7.4	61
Xylenes, Total		ND		10	120

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	78		72 - 126
Toluene-d8 (Surr)	107		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B15-AREA2-S1

Lab Sample ID: 480-92332-14
Client Matrix: Solid

% Moisture: 6.4

Date Sampled: 12/07/2015 1015
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6384.D
Dilution:	10			Initial Weight/Volume:	5.1 g
Analysis Date:	12/20/2015 2133	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		300	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		540	1100
1,1,2-Trichloroethane		ND		230	1100
1,1-Dichloroethane		ND	F1	330	1100
1,1-Dichloroethene		ND	F1	370	1100
1,2,4-Trichlorobenzene		ND		410	1100
1,2-Dibromo-3-Chloropropane		ND	F2	540	1100
1,2-Dibromoethane		ND	F1	190	1100
1,2-Dichlorobenzene		ND		280	1100
1,2-Dichloroethane		ND		440	1100
1,2-Dichloropropane		ND		180	1100
1,3-Dichlorobenzene		ND		290	1100
1,4-Dichlorobenzene		ND		150	1100
2-Butanone (MEK)		ND		3200	5400
2-Hexanone		ND		2200	5400
4-Methyl-2-pentanone (MIBK)		ND		350	5400
Acetone		ND		4400	5400
Benzene		ND		210	1100
Bromodichloromethane		ND		220	1100
Bromoform		ND		540	1100
Bromomethane		ND		240	1100
Carbon disulfide		ND	F2 F1	490	1100
Carbon tetrachloride		ND		280	1100
Chlorobenzene		ND		140	1100
Chloroethane		ND	F2	230	1100
Chloroform		ND		740	1100
Chloromethane		ND	F1	260	1100
cis-1,2-Dichloroethene		ND		300	1100
cis-1,3-Dichloropropene		ND	F1	260	1100
Cyclohexane		ND		240	1100
Dibromochloromethane		ND		520	1100
Dichlorodifluoromethane		ND	F1	470	1100
Ethylbenzene		670	J F2 F1	310	1100
Isopropylbenzene		ND		160	1100
Methyl acetate		ND		520	1100
Methyl tert-butyl ether		ND		410	1100
Methylcyclohexane		ND		510	1100
Methylene Chloride		ND	F1	210	1100
Styrene		ND	F1	260	1100
Tetrachloroethene		39000	F2	150	1100
Toluene		ND		290	1100
trans-1,2-Dichloroethene		ND		260	1100
trans-1,3-Dichloropropene		ND	F1	110	1100
Trichloroethene		2900	F1	300	1100
Trichlorofluoromethane		ND	F2	510	1100

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B15-AREA2-S1**

Lab Sample ID: 480-92332-14
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 12/07/2015 1015
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280169	Lab File ID:	S6384.D
Dilution:	10			Initial Weight/Volume:	5.1 g
Analysis Date:	12/20/2015 2133	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND	F2 F1	360	1100
Xylenes, Total		ND		600	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		53 - 146
4-Bromofluorobenzene (Surr)	93		49 - 148
Toluene-d8 (Surr)	101		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B15-AREA2-S1

Lab Sample ID: 480-92332-14
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 12/07/2015 1015
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2368.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/15/2015 1010			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.3
1,1,2,2-Tetrachloroethane		ND		0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		ND		0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND		0.32	5.3
1,2-Dibromo-3-Chloropropane		ND		2.7	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND		0.42	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.7	5.3
1,3-Dichlorobenzene		ND		0.27	5.3
1,4-Dichlorobenzene		ND		0.74	5.3
2-Butanone (MEK)		ND		1.9	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.7	27
Acetone		13	J B	4.5	27
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.7	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.7	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		99		0.68	5.3
cis-1,3-Dichloropropene		ND		0.77	5.3
Cyclohexane		ND		0.74	5.3
Dibromochloromethane		ND		0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		44		0.37	5.3
Isopropylbenzene		ND		0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.4	5.3
Styrene		ND		0.27	5.3
Tetrachloroethene		1600	E	0.71	5.3
Toluene		1.4	J	0.40	5.3
trans-1,2-Dichloroethene		0.84	J	0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		370	E	1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B15-AREA2-S1

Lab Sample ID: 480-92332-14
Client Matrix: Solid
% Moisture: 6.4

Date Sampled: 12/07/2015 1015
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279710	Lab File ID:	P2368.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/15/2015 1010			Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		12		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	77		72 - 126
Toluene-d8 (Surr)	102		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B15-AREA2-S2

Lab Sample ID: 480-92332-15
Client Matrix: Solid

% Moisture: 7.3

Date Sampled: 12/07/2015 1030
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2405.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	12/16/2015 1252			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND	F1	0.38	5.3
1,1,2,2-Tetrachloroethane		ND	* F1	0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	F1	1.2	5.3
1,1,2-Trichloroethane		ND	F1	0.69	5.3
1,1-Dichloroethane		ND	F1	0.64	5.3
1,1-Dichloroethene		ND	F1	0.65	5.3
1,2,4-Trichlorobenzene		ND	* F1 F2	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	* F1	2.6	5.3
1,2-Dibromoethane		ND	F1	0.68	5.3
1,2-Dichlorobenzene		ND	* F1 F2	0.41	5.3
1,2-Dichloroethane		ND	F1	0.27	5.3
1,2-Dichloropropane		ND	F1	2.6	5.3
1,3-Dichlorobenzene		ND	* F1 F2	0.27	5.3
1,4-Dichlorobenzene		ND	* F1 F2	0.74	5.3
2-Butanone (MEK)		ND	F1	1.9	26
2-Hexanone		ND	F1	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	F1	1.7	26
Acetone		ND	F1	4.4	26
Benzene		ND	F1	0.26	5.3
Bromodichloromethane		ND	F1	0.71	5.3
Bromoform		ND	F1	2.6	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND	F1	2.6	5.3
Carbon tetrachloride		ND	F1	0.51	5.3
Chlorobenzene		ND	F1 F2	0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND	F1	0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		ND	F1	0.68	5.3
cis-1,3-Dichloropropene		ND	F1	0.76	5.3
Cyclohexane		ND	F1	0.74	5.3
Dibromochloromethane		ND	F1	0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND	F1 F2	0.36	5.3
Isopropylbenzene		ND	* F1 F2	0.80	5.3
Methyl acetate		ND	F1	3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND	F1 F2	0.80	5.3
Methylene Chloride		ND		2.4	5.3
Styrene		ND	F1 F2	0.26	5.3
Tetrachloroethene		5.0	J F1 F2	0.71	5.3
Toluene		0.61	J F1 B	0.40	5.3
trans-1,2-Dichloroethene		ND	F1	0.54	5.3
trans-1,3-Dichloropropene		ND	F1	2.3	5.3
Trichloroethene		ND	F1	1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B15-AREA2-S2

Lab Sample ID: 480-92332-15
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 12/07/2015 1030
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2405.D
Dilution:	1.0			Initial Weight/Volume:	5.11 g
Analysis Date:	12/16/2015 1252			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.3
Xylenes, Total		ND	F1 F2	0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene (Surr)	47	X	72 - 126
Toluene-d8 (Surr)	122		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B16-AREA2-S1

Lab Sample ID: 480-92332-16
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 12/07/2015 1130
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: 5035
Dilution: 1.0
Analysis Date: 12/16/2015 1319
Prep Date: 12/16/2015 0813

Analysis Batch: 480-279989
Prep Batch: 480-279980

Instrument ID: HP5973P
Lab File ID: P2406.D
Initial Weight/Volume: 5.02 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.88	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1-Dichloroethane		ND		0.66	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.76	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.49	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.33	5.4
Chloromethane		ND		0.33	5.4
cis-1,2-Dichloroethene		36		0.69	5.4
cis-1,3-Dichloropropene		ND		0.78	5.4
Cyclohexane		ND		0.76	5.4
Dibromochloromethane		ND		0.69	5.4
Dichlorodifluoromethane		ND		0.45	5.4
Ethylbenzene		ND		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		3.3	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.82	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		ND		0.72	5.4
Toluene		ND		0.41	5.4
trans-1,2-Dichloroethene		ND		0.56	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		ND		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B16-AREA2-S1

Lab Sample ID: 480-92332-16
Client Matrix: Solid
% Moisture: 7.7

Date Sampled: 12/07/2015 1130
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2406.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/16/2015 1319			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.66	5.4
Xylenes, Total		ND		0.91	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene (Surr)	95		72 - 126
Toluene-d8 (Surr)	101		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B16-AREA2-S2

Lab Sample ID: 480-92332-17
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/07/2015 1140
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2377.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/15/2015 1548			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.46	6.4
1,1,2,2-Tetrachloroethane		ND	F2 F1 *	1.0	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	6.4
1,1,2-Trichloroethane		ND	F1	0.83	6.4
1,1-Dichloroethane		ND		0.77	6.4
1,1-Dichloroethene		ND		0.78	6.4
1,2,4-Trichlorobenzene		ND	F2 F1 *	0.39	6.4
1,2-Dibromo-3-Chloropropane		ND	F2 F1 *	3.2	6.4
1,2-Dibromoethane		ND	F1	0.82	6.4
1,2-Dichlorobenzene		ND	F2 F1 *	0.50	6.4
1,2-Dichloroethane		ND	F1	0.32	6.4
1,2-Dichloropropane		ND	F1	3.2	6.4
1,3-Dichlorobenzene		ND	F2 F1 *	0.33	6.4
1,4-Dichlorobenzene		ND	F2 F1 *	0.89	6.4
2-Butanone (MEK)		ND	F1	2.3	32
2-Hexanone		ND	F1	3.2	32
4-Methyl-2-pentanone (MIBK)		ND	F1	2.1	32
Acetone		ND		5.3	32
Benzene		ND	F1	0.31	6.4
Bromodichloromethane		ND	F1	0.85	6.4
Bromoform		ND	F1	3.2	6.4
Bromomethane		ND		0.57	6.4
Carbon disulfide		ND		3.2	6.4
Carbon tetrachloride		ND		0.61	6.4
Chlorobenzene		ND	F1	0.84	6.4
Chloroethane		ND		1.4	6.4
Chloroform		ND	F1	0.39	6.4
Chloromethane		ND		0.38	6.4
cis-1,2-Dichloroethene		1.0	J F1	0.81	6.4
cis-1,3-Dichloropropene		ND	F1	0.91	6.4
Cyclohexane		ND		0.89	6.4
Dibromochloromethane		ND	F1	0.81	6.4
Dichlorodifluoromethane		ND		0.52	6.4
Ethylbenzene		ND	F1	0.44	6.4
Isopropylbenzene		ND	F2 F1 *	0.96	6.4
Methyl acetate		ND		3.8	6.4
Methyl tert-butyl ether		ND		0.62	6.4
Methylcyclohexane		ND		0.97	6.4
Methylene Chloride		ND		2.9	6.4
Styrene		ND	F1	0.32	6.4
Tetrachloroethene		ND	F2 F1	0.85	6.4
Toluene		ND	F1	0.48	6.4
trans-1,2-Dichloroethene		ND	F1	0.66	6.4
trans-1,3-Dichloropropene		ND	F1	2.8	6.4
Trichloroethene		ND	F1	1.4	6.4
Trichlorofluoromethane		ND		0.60	6.4

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B16-AREA2-S2

Lab Sample ID: 480-92332-17
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/07/2015 1140
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2377.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/15/2015 1548			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.77	6.4
Xylenes, Total		ND	F1	1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	68	X	72 - 126
Toluene-d8 (Surr)	120		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B17-AREA2-S1

Lab Sample ID: 480-92332-18
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 12/08/2015 1310
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2407.D
Dilution:	1.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/16/2015 1346			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.41	5.6
1,1,2,2-Tetrachloroethane		ND	*	0.91	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.6
1,1,2-Trichloroethane		ND	*	0.73	5.6
1,1-Dichloroethane		ND		0.68	5.6
1,1-Dichloroethene		ND		0.69	5.6
1,2,4-Trichlorobenzene		ND	*	0.34	5.6
1,2-Dibromo-3-Chloropropane		ND	*	2.8	5.6
1,2-Dibromoethane		ND	*	0.72	5.6
1,2-Dichlorobenzene		ND	*	0.44	5.6
1,2-Dichloroethane		ND		0.28	5.6
1,2-Dichloropropane		ND		2.8	5.6
1,3-Dichlorobenzene		ND	*	0.29	5.6
1,4-Dichlorobenzene		ND	*	0.79	5.6
2-Butanone (MEK)		ND		2.1	28
2-Hexanone		ND	*	2.8	28
4-Methyl-2-pentanone (MIBK)		ND	*	1.8	28
Acetone		6.3	J B	4.7	28
Benzene		ND		0.27	5.6
Bromodichloromethane		ND		0.75	5.6
Bromoform		ND	*	2.8	5.6
Bromomethane		ND		0.51	5.6
Carbon disulfide		ND		2.8	5.6
Carbon tetrachloride		ND		0.54	5.6
Chlorobenzene		ND	*	0.74	5.6
Chloroethane		ND		1.3	5.6
Chloroform		ND		0.35	5.6
Chloromethane		ND		0.34	5.6
cis-1,2-Dichloroethene		1.1	J	0.72	5.6
cis-1,3-Dichloropropene		ND		0.81	5.6
Cyclohexane		ND		0.79	5.6
Dibromochloromethane		ND	*	0.72	5.6
Dichlorodifluoromethane		ND		0.46	5.6
Ethylbenzene		ND	*	0.39	5.6
Isopropylbenzene		ND	*	0.85	5.6
Methyl acetate		ND		3.4	5.6
Methyl tert-butyl ether		ND		0.55	5.6
Methylcyclohexane		ND		0.85	5.6
Methylene Chloride		ND		2.6	5.6
Styrene		ND	*	0.28	5.6
Tetrachloroethene		ND	*	0.75	5.6
Toluene		0.75	J B *	0.42	5.6
trans-1,2-Dichloroethene		ND		0.58	5.6
trans-1,3-Dichloropropene		ND	*	2.5	5.6
Trichloroethene		ND		1.2	5.6
Trichlorofluoromethane		ND		0.53	5.6

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B17-AREA2-S1

Lab Sample ID: 480-92332-18
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 12/08/2015 1310
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2407.D
Dilution:	1.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/16/2015 1346			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		3.0	J	0.68	5.6
Xylenes, Total		ND		0.94	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	46	X *	72 - 126
Toluene-d8 (Surr)	139	X *	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B17-AREA2-S2

Lab Sample ID: 480-92332-19
Client Matrix: Solid
% Moisture: 18.8

Date Sampled: 12/08/2015 1320
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2408.D
Dilution:	1.0			Initial Weight/Volume:	5.09 g
Analysis Date:	12/16/2015 1413			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.44	6.0
1,1,2,2-Tetrachloroethane		ND	*	0.98	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	6.0
1,1,2-Trichloroethane		ND		0.79	6.0
1,1-Dichloroethane		ND		0.74	6.0
1,1-Dichloroethene		ND		0.74	6.0
1,2,4-Trichlorobenzene		ND	*	0.37	6.0
1,2-Dibromo-3-Chloropropane		ND	*	3.0	6.0
1,2-Dibromoethane		ND		0.78	6.0
1,2-Dichlorobenzene		ND	*	0.47	6.0
1,2-Dichloroethane		ND		0.30	6.0
1,2-Dichloropropane		ND		3.0	6.0
1,3-Dichlorobenzene		ND	*	0.31	6.0
1,4-Dichlorobenzene		ND	*	0.85	6.0
2-Butanone (MEK)		ND		2.2	30
2-Hexanone		ND		3.0	30
4-Methyl-2-pentanone (MIBK)		ND		2.0	30
Acetone		8.2	J B	5.1	30
Benzene		ND		0.30	6.0
Bromodichloromethane		ND		0.81	6.0
Bromoform		ND		3.0	6.0
Bromomethane		ND		0.54	6.0
Carbon disulfide		ND		3.0	6.0
Carbon tetrachloride		ND		0.59	6.0
Chlorobenzene		ND		0.80	6.0
Chloroethane		ND		1.4	6.0
Chloroform		ND		0.37	6.0
Chloromethane		ND		0.37	6.0
cis-1,2-Dichloroethene		ND		0.77	6.0
cis-1,3-Dichloropropene		ND		0.87	6.0
Cyclohexane		ND		0.85	6.0
Dibromochloromethane		ND		0.77	6.0
Dichlorodifluoromethane		ND		0.50	6.0
Ethylbenzene		ND		0.42	6.0
Isopropylbenzene		ND	*	0.91	6.0
Methyl acetate		ND		3.7	6.0
Methyl tert-butyl ether		ND		0.59	6.0
Methylcyclohexane		ND		0.92	6.0
Methylene Chloride		ND		2.8	6.0
Styrene		ND		0.30	6.0
Tetrachloroethene		ND		0.81	6.0
Toluene		0.60	J B	0.46	6.0
trans-1,2-Dichloroethene		ND		0.62	6.0
trans-1,3-Dichloropropene		ND		2.7	6.0
Trichloroethene		ND		1.3	6.0
Trichlorofluoromethane		ND		0.57	6.0

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B17-AREA2-S2

Lab Sample ID: 480-92332-19
Client Matrix: Solid
% Moisture: 18.8

Date Sampled: 12/08/2015 1320
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2408.D
Dilution:	1.0			Initial Weight/Volume:	5.09 g
Analysis Date:	12/16/2015 1413			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		1.5	J	0.74	6.0
Xylenes, Total		ND		1.0	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		64 - 126
4-Bromofluorobenzene (Surr)	59	X	72 - 126
Toluene-d8 (Surr)	126	X	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B27-AREA2-S1

Lab Sample ID: 480-92332-20
Client Matrix: Solid
% Moisture: 9.3

Date Sampled: 12/08/2015 1510
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2409.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Analysis Date:	12/16/2015 1441			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.88	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.5
1,1,2-Trichloroethane		ND		0.71	5.5
1,1-Dichloroethane		1.9	J	0.66	5.5
1,1-Dichloroethene		ND		0.67	5.5
1,2,4-Trichlorobenzene		ND		0.33	5.5
1,2-Dibromo-3-Chloropropane		ND		2.7	5.5
1,2-Dibromoethane		ND		0.70	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.27	5.5
1,2-Dichloropropane		ND		2.7	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.76	5.5
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.6	27
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.73	5.5
Bromoform		ND		2.7	5.5
Bromomethane		ND		0.49	5.5
Carbon disulfide		ND		2.7	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.72	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		60		0.70	5.5
cis-1,3-Dichloropropene		ND		0.78	5.5
Cyclohexane		ND		0.76	5.5
Dibromochloromethane		ND		0.70	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.82	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.83	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.27	5.5
Tetrachloroethene		ND		0.73	5.5
Toluene		ND		0.41	5.5
trans-1,2-Dichloroethene		ND		0.56	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		ND		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B27-AREA2-S1

Lab Sample ID: 480-92332-20
Client Matrix: Solid
% Moisture: 9.3

Date Sampled: 12/08/2015 1510
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2409.D
Dilution:	1.0			Initial Weight/Volume:	5.06 g
Analysis Date:	12/16/2015 1441			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		5.6		0.66	5.5
Xylenes, Total		ND		0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	86		72 - 126
Toluene-d8 (Surr)	100		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B27-AREA2-S2

Lab Sample ID: 480-92332-21
Client Matrix: Solid
% Moisture: 6.2

Date Sampled: 12/08/2015 1515
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2410.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/16/2015 1508			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.3
1,1,2,2-Tetrachloroethane		ND		0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		ND		0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND		0.32	5.3
1,2-Dibromo-3-Chloropropane		ND		2.6	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND		0.41	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.6	5.3
1,3-Dichlorobenzene		ND		0.27	5.3
1,4-Dichlorobenzene		ND		0.74	5.3
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.5	26
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.6	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.6	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		ND		0.68	5.3
cis-1,3-Dichloropropene		ND		0.76	5.3
Cyclohexane		ND		0.74	5.3
Dibromochloromethane		ND		0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.37	5.3
Isopropylbenzene		ND		0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.4	5.3
Styrene		ND		0.26	5.3
Tetrachloroethene		ND		0.71	5.3
Toluene		ND		0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		ND		1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B27-AREA2-S2

Lab Sample ID: 480-92332-21
Client Matrix: Solid
% Moisture: 6.2

Date Sampled: 12/08/2015 1515
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2410.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/16/2015 1508			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		64 - 126
4-Bromofluorobenzene (Surr)	81		72 - 126
Toluene-d8 (Surr)	102		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B28-AREA2-S1

Lab Sample ID: 480-92332-22
Client Matrix: Solid
% Moisture: 12.5

Date Sampled: 12/08/2015 1055
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2392.D
Dilution:	1.0			Initial Weight/Volume:	5.18 g
Analysis Date:	12/15/2015 2237			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.90	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.5
1,1,2-Trichloroethane		ND		0.72	5.5
1,1-Dichloroethane		1.2	J	0.67	5.5
1,1-Dichloroethene		ND		0.68	5.5
1,2,4-Trichlorobenzene		ND		0.34	5.5
1,2-Dibromo-3-Chloropropane		ND		2.8	5.5
1,2-Dibromoethane		ND		0.71	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.8	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Butanone (MEK)		ND		2.0	28
2-Hexanone		ND		2.8	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		5.5	J	4.6	28
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.8	5.5
Bromomethane		ND		0.50	5.5
Carbon disulfide		ND		2.8	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.73	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		3.9	J	0.71	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.77	5.5
Dibromochloromethane		ND		0.71	5.5
Dichlorodifluoromethane		ND		0.46	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.83	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.84	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.28	5.5
Tetrachloroethene		ND		0.74	5.5
Toluene		ND		0.42	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		2.2	J	1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B28-AREA2-S1

Lab Sample ID: 480-92332-22
Client Matrix: Solid
% Moisture: 12.5

Date Sampled: 12/08/2015 1055
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2392.D
Dilution:	1.0			Initial Weight/Volume:	5.18 g
Analysis Date:	12/15/2015 2237			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		ND		0.93	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	95		72 - 126
Toluene-d8 (Surr)	99		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B28-AREA2-S2

Lab Sample ID: 480-92332-23
Client Matrix: Solid
% Moisture: 6.0

Date Sampled: 12/08/2015 1050
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2411.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/16/2015 1535			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND	*	0.38	5.3
1,1,2,2-Tetrachloroethane		ND	*	0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	1.2	5.3
1,1,2-Trichloroethane		ND	*	0.69	5.3
1,1-Dichloroethane		ND	*	0.65	5.3
1,1-Dichloroethene		ND	*	0.65	5.3
1,2,4-Trichlorobenzene		ND	*	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.3
1,2-Dibromoethane		ND	*	0.68	5.3
1,2-Dichlorobenzene		ND	*	0.41	5.3
1,2-Dichloroethane		ND	*	0.27	5.3
1,2-Dichloropropane		ND	*	2.6	5.3
1,3-Dichlorobenzene		ND	*	0.27	5.3
1,4-Dichlorobenzene		ND	*	0.74	5.3
2-Butanone (MEK)		ND	*	1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		5.9	J B *	4.5	26
Benzene		ND	*	0.26	5.3
Bromodichloromethane		ND	*	0.71	5.3
Bromoform		ND	*	2.6	5.3
Bromomethane		ND	*	0.48	5.3
Carbon disulfide		ND	*	2.6	5.3
Carbon tetrachloride		ND	*	0.51	5.3
Chlorobenzene		ND	*	0.70	5.3
Chloroethane		ND	*	1.2	5.3
Chloroform		ND	*	0.33	5.3
Chloromethane		ND	*	0.32	5.3
cis-1,2-Dichloroethene		0.91	J *	0.68	5.3
cis-1,3-Dichloropropene		ND	*	0.76	5.3
Cyclohexane		ND	*	0.74	5.3
Dibromochloromethane		ND	*	0.68	5.3
Dichlorodifluoromethane		ND	*	0.44	5.3
Ethylbenzene		ND	*	0.37	5.3
Isopropylbenzene		ND	*	0.80	5.3
Methyl acetate		ND	*	3.2	5.3
Methyl tert-butyl ether		ND	*	0.52	5.3
Methylcyclohexane		ND	*	0.80	5.3
Methylene Chloride		11	*	2.4	5.3
Styrene		ND	*	0.26	5.3
Tetrachloroethene		2.1	J *	0.71	5.3
Toluene		1.4	J B *	0.40	5.3
trans-1,2-Dichloroethene		ND	*	0.55	5.3
trans-1,3-Dichloropropene		ND	*	2.3	5.3
Trichloroethene		ND	*	1.2	5.3
Trichlorofluoromethane		ND	*	0.50	5.3

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B28-AREA2-S2

Lab Sample ID: 480-92332-23
Client Matrix: Solid
% Moisture: 6.0

Date Sampled: 12/08/2015 1050
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2411.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/16/2015 1535			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND	*	0.65	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	126	*	64 - 126
4-Bromofluorobenzene (Surr)	31	X *	72 - 126
Toluene-d8 (Surr)	106	*	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B29-AREA2-S1

Lab Sample ID: 480-92332-24
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 12/08/2015 1025
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281166	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-281171	Lab File ID:	S6487.D
Dilution:	4.0			Initial Weight/Volume:	5.09 g
Analysis Date:	12/22/2015 2356	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/22/2015 1857				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		120	440
1,1,2,2-Tetrachloroethane		ND		72	440
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		220	440
1,1,2-Trichloroethane		ND		93	440
1,1-Dichloroethane		ND		140	440
1,1-Dichloroethene		ND		150	440
1,2,4-Trichlorobenzene		ND		170	440
1,2-Dibromo-3-Chloropropane		ND		220	440
1,2-Dibromoethane		ND		78	440
1,2-Dichlorobenzene		ND		110	440
1,2-Dichloroethane		ND		180	440
1,2-Dichloropropane		ND		72	440
1,3-Dichlorobenzene		ND		120	440
1,4-Dichlorobenzene		ND		62	440
2-Butanone (MEK)		ND		1300	2200
2-Hexanone		ND		910	2200
4-Methyl-2-pentanone (MIBK)		ND		140	2200
Acetone		ND		1800	2200
Benzene		ND		84	440
Bromodichloromethane		ND		89	440
Bromoform		ND		220	440
Bromomethane		ND		98	440
Carbon disulfide		ND		200	440
Carbon tetrachloride		ND		110	440
Chlorobenzene		ND		59	440
Chloroethane		ND		92	440
Chloroform		ND		300	440
Chloromethane		ND		110	440
cis-1,2-Dichloroethene		ND		120	440
cis-1,3-Dichloropropene		ND		110	440
Cyclohexane		ND		98	440
Dibromochloromethane		ND		210	440
Dichlorodifluoromethane		ND		190	440
Ethylbenzene		410	J	130	440
Isopropylbenzene		ND		67	440
Methyl acetate		ND		210	440
Methyl tert-butyl ether		ND		170	440
Methylcyclohexane		ND		210	440
Methylene Chloride		ND		88	440
Styrene		ND		110	440
Tetrachloroethene		31000		60	440
Toluene		120	J	120	440
trans-1,2-Dichloroethene		ND		100	440
trans-1,3-Dichloropropene		ND		44	440
Trichloroethene		18000		120	440
Trichlorofluoromethane		ND		210	440

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B29-AREA2-S1

Lab Sample ID: 480-92332-24
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 12/08/2015 1025
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281166	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-281171	Lab File ID:	S6487.D
Dilution:	4.0			Initial Weight/Volume:	5.09 g
Analysis Date:	12/22/2015 2356	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/22/2015 1857				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		150	440
Xylenes, Total		ND		250	890

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		53 - 146
4-Bromofluorobenzene (Surr)	93		49 - 148
Toluene-d8 (Surr)	97		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B29-AREA2-S1

Lab Sample ID: 480-92332-24
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 12/08/2015 1025
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: 5035
Dilution: 1.0
Analysis Date: 12/15/2015 2331
Prep Date: 12/15/2015 1230

Analysis Batch: 480-279815
Prep Batch: 480-279840

Instrument ID: HP5973P
Lab File ID: P2394.D
Initial Weight/Volume: 5.2 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND		0.85	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND		0.68	5.2
1,1-Dichloroethane		38		0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND		0.32	5.2
1,2-Dibromo-3-Chloropropane		ND		2.6	5.2
1,2-Dibromoethane		ND		0.67	5.2
1,2-Dichlorobenzene		ND		0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND		0.27	5.2
1,4-Dichlorobenzene		ND		0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		4.5	J	4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND		2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.51	5.2
Chlorobenzene		ND		0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.32	5.2
cis-1,2-Dichloroethene		79		0.67	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND		0.67	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		6.1		0.36	5.2
Isopropylbenzene		ND		0.79	5.2
Methyl acetate		ND		3.2	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.79	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND		0.26	5.2
Tetrachloroethene		690	E	0.70	5.2
Toluene		7.6		0.39	5.2
trans-1,2-Dichloroethene		11		0.54	5.2
trans-1,3-Dichloropropene		ND		2.3	5.2
Trichloroethene		1100	E	1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B29-AREA2-S1

Lab Sample ID: 480-92332-24
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 12/08/2015 1025
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279840	Lab File ID:	P2394.D
Dilution:	1.0			Initial Weight/Volume:	5.2 g
Analysis Date:	12/15/2015 2331			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		2.8	J	0.88	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	91		72 - 126
Toluene-d8 (Surr)	99		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B29-AREA2-S2

Lab Sample ID: 480-92332-25
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 12/08/2015 1030
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2412.D
Dilution:	1.0			Initial Weight/Volume:	5.2 g
Analysis Date:	12/16/2015 1602			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.43	5.9
1,1,2,2-Tetrachloroethane		ND		0.95	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.9
1,1,2-Trichloroethane		ND		0.76	5.9
1,1-Dichloroethane		ND		0.72	5.9
1,1-Dichloroethene		ND		0.72	5.9
1,2,4-Trichlorobenzene		ND		0.36	5.9
1,2-Dibromo-3-Chloropropane		ND		2.9	5.9
1,2-Dibromoethane		ND		0.75	5.9
1,2-Dichlorobenzene		ND		0.46	5.9
1,2-Dichloroethane		ND		0.30	5.9
1,2-Dichloropropane		ND		2.9	5.9
1,3-Dichlorobenzene		ND		0.30	5.9
1,4-Dichlorobenzene		ND		0.82	5.9
2-Butanone (MEK)		ND		2.2	29
2-Hexanone		ND		2.9	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		11	J B	4.9	29
Benzene		ND		0.29	5.9
Bromodichloromethane		ND		0.79	5.9
Bromoform		ND		2.9	5.9
Bromomethane		ND		0.53	5.9
Carbon disulfide		ND		2.9	5.9
Carbon tetrachloride		ND		0.57	5.9
Chlorobenzene		ND		0.78	5.9
Chloroethane		ND		1.3	5.9
Chloroform		ND		0.36	5.9
Chloromethane		ND		0.36	5.9
cis-1,2-Dichloroethene		ND		0.75	5.9
cis-1,3-Dichloropropene		ND		0.85	5.9
Cyclohexane		ND		0.82	5.9
Dibromochloromethane		ND		0.75	5.9
Dichlorodifluoromethane		ND		0.49	5.9
Ethylbenzene		ND		0.41	5.9
Isopropylbenzene		ND		0.89	5.9
Methyl acetate		ND		3.6	5.9
Methyl tert-butyl ether		ND		0.58	5.9
Methylcyclohexane		ND		0.89	5.9
Methylene Chloride		ND		2.7	5.9
Styrene		ND		0.29	5.9
Tetrachloroethene		ND		0.79	5.9
Toluene		ND		0.44	5.9
trans-1,2-Dichloroethene		ND		0.61	5.9
trans-1,3-Dichloropropene		ND		2.6	5.9
Trichloroethene		2.6	J	1.3	5.9
Trichlorofluoromethane		ND		0.56	5.9

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B29-AREA2-S2

Lab Sample ID: 480-92332-25
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 12/08/2015 1030
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2412.D
Dilution:	1.0			Initial Weight/Volume:	5.2 g
Analysis Date:	12/16/2015 1602			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.72	5.9
Xylenes, Total		ND		0.99	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Toluene-d8 (Surr)	100		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B30-AREA2-S1

Lab Sample ID: 480-92332-26
Client Matrix: Solid
% Moisture: 8.0

Date Sampled: 12/08/2015 1540
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2435.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/17/2015 0328			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.3
1,1,2,2-Tetrachloroethane		ND	*	0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		ND		0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND	*	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND	*	0.41	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.6	5.3
1,3-Dichlorobenzene		ND	*	0.27	5.3
1,4-Dichlorobenzene		ND	*	0.74	5.3
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.5	26
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.6	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.6	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		ND		0.68	5.3
cis-1,3-Dichloropropene		ND		0.76	5.3
Cyclohexane		ND		0.74	5.3
Dibromochloromethane		ND		0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.37	5.3
Isopropylbenzene		ND	*	0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.4	5.3
Styrene		ND		0.26	5.3
Tetrachloroethene		9.7		0.71	5.3
Toluene		1.4	J	0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		2.8	J	1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B30-AREA2-S1

Lab Sample ID: 480-92332-26
Client Matrix: Solid % Moisture: 8.0

Date Sampled: 12/08/2015 1540
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2435.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/17/2015 0328			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	49	X	72 - 126
Toluene-d8 (Surr)	127	X	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B30-AREA2-S2

Lab Sample ID: 480-92332-27
Client Matrix: Solid
% Moisture: 7.1

Date Sampled: 12/08/2015 1600
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2436.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	12/17/2015 0356			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.37	5.1
1,1,2,2-Tetrachloroethane		ND		0.83	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.1
1,1,2-Trichloroethane		ND		0.66	5.1
1,1-Dichloroethane		ND		0.62	5.1
1,1-Dichloroethene		ND		0.63	5.1
1,2,4-Trichlorobenzene		ND		0.31	5.1
1,2-Dibromo-3-Chloropropane		ND		2.6	5.1
1,2-Dibromoethane		ND		0.66	5.1
1,2-Dichlorobenzene		ND		0.40	5.1
1,2-Dichloroethane		ND		0.26	5.1
1,2-Dichloropropane		ND		2.6	5.1
1,3-Dichlorobenzene		ND		0.26	5.1
1,4-Dichlorobenzene		ND		0.71	5.1
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.3	26
Benzene		ND		0.25	5.1
Bromodichloromethane		ND		0.68	5.1
Bromoform		ND		2.6	5.1
Bromomethane		ND		0.46	5.1
Carbon disulfide		ND		2.6	5.1
Carbon tetrachloride		ND		0.49	5.1
Chlorobenzene		ND		0.67	5.1
Chloroethane		ND		1.2	5.1
Chloroform		ND		0.32	5.1
Chloromethane		ND		0.31	5.1
cis-1,2-Dichloroethene		ND		0.65	5.1
cis-1,3-Dichloropropene		ND		0.74	5.1
Cyclohexane		ND		0.71	5.1
Dibromochloromethane		ND		0.65	5.1
Dichlorodifluoromethane		ND		0.42	5.1
Ethylbenzene		ND		0.35	5.1
Isopropylbenzene		ND		0.77	5.1
Methyl acetate		ND		3.1	5.1
Methyl tert-butyl ether		ND		0.50	5.1
Methylcyclohexane		ND		0.78	5.1
Methylene Chloride		ND		2.3	5.1
Styrene		ND		0.26	5.1
Tetrachloroethene		ND		0.69	5.1
Toluene		ND		0.39	5.1
trans-1,2-Dichloroethene		ND		0.53	5.1
trans-1,3-Dichloropropene		ND		2.2	5.1
Trichloroethene		ND		1.1	5.1
Trichlorofluoromethane		ND		0.48	5.1

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B30-AREA2-S2

Lab Sample ID: 480-92332-27
Client Matrix: Solid
% Moisture: 7.1

Date Sampled: 12/08/2015 1600
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2436.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	12/17/2015 0356			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.62	5.1
Xylenes, Total		ND		0.86	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Toluene-d8 (Surr)	101		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B31-AREA2-S1

Lab Sample ID: 480-92332-28
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 12/08/2015 0915
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280619	Lab File ID:	S6472.D
Dilution:	2.0			Initial Weight/Volume:	5.04 g
Analysis Date:	12/22/2015 1816	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/18/2015 2044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		64	230
1,1,2,2-Tetrachloroethane		ND		37	230
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		120	230
1,1,2-Trichloroethane		ND		48	230
1,1-Dichloroethane		ND		71	230
1,1-Dichloroethene		ND		80	230
1,2,4-Trichlorobenzene		ND		87	230
1,2-Dibromo-3-Chloropropane		ND		120	230
1,2-Dibromoethane		ND		40	230
1,2-Dichlorobenzene		ND		59	230
1,2-Dichloroethane		ND		94	230
1,2-Dichloropropane		ND		37	230
1,3-Dichlorobenzene		ND		61	230
1,4-Dichlorobenzene		ND		32	230
2-Butanone (MEK)		ND		680	1200
2-Hexanone		ND		470	1200
4-Methyl-2-pentanone (MIBK)		ND		74	1200
Acetone		ND		950	1200
Benzene		ND		44	230
Bromodichloromethane		ND		46	230
Bromoform		ND		120	230
Bromomethane		ND		51	230
Carbon disulfide		ND		100	230
Carbon tetrachloride		ND		59	230
Chlorobenzene		ND		30	230
Chloroethane		ND		48	230
Chloroform		ND		160	230
Chloromethane		ND		55	230
cis-1,2-Dichloroethene		99	J	64	230
cis-1,3-Dichloropropene		ND		55	230
Cyclohexane		ND		51	230
Dibromochloromethane		ND		110	230
Dichlorodifluoromethane		ND		100	230
Ethylbenzene		110	J	67	230
Isopropylbenzene		ND		35	230
Methyl acetate		ND		110	230
Methyl tert-butyl ether		ND		87	230
Methylcyclohexane		ND		110	230
Methylene Chloride		ND		46	230
Styrene		ND		55	230
Tetrachloroethene		12000		31	230
Toluene		95	J	62	230
trans-1,2-Dichloroethene		ND		54	230
trans-1,3-Dichloropropene		ND		23	230
Trichloroethene		290		64	230
Trichlorofluoromethane		ND		110	230

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **B31-AREA2-S1**

Lab Sample ID: 480-92332-28
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 12/08/2015 0915
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280619	Lab File ID:	S6472.D
Dilution:	2.0			Initial Weight/Volume:	5.04 g
Analysis Date:	12/22/2015 1816	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/18/2015 2044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		77	230
Xylenes, Total		290	J	130	460

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		53 - 146
4-Bromofluorobenzene (Surr)	91		49 - 148
Toluene-d8 (Surr)	98		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B31-AREA2-S1

Lab Sample ID: 480-92332-28
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 12/08/2015 0915
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2415.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/16/2015 1724			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.90	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.5
1,1,2-Trichloroethane		ND		0.72	5.5
1,1-Dichloroethane		9.7		0.67	5.5
1,1-Dichloroethene		ND		0.68	5.5
1,2,4-Trichlorobenzene		ND		0.34	5.5
1,2-Dibromo-3-Chloropropane		ND		2.8	5.5
1,2-Dibromoethane		ND		0.71	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.8	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Butanone (MEK)		ND		2.0	28
2-Hexanone		ND		2.8	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		5.7	J B	4.7	28
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.8	5.5
Bromomethane		ND		0.50	5.5
Carbon disulfide		ND		2.8	5.5
Carbon tetrachloride		ND		0.54	5.5
Chlorobenzene		ND		0.73	5.5
Chloroethane		ND		1.3	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		39		0.71	5.5
cis-1,3-Dichloropropene		ND		0.80	5.5
Cyclohexane		ND		0.77	5.5
Dibromochloromethane		ND		0.71	5.5
Dichlorodifluoromethane		ND		0.46	5.5
Ethylbenzene		11		0.38	5.5
Isopropylbenzene		ND		0.83	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.84	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.28	5.5
Tetrachloroethene		990	E	0.74	5.5
Toluene		14	B	0.42	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		55		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B31-AREA2-S1

Lab Sample ID: 480-92332-28
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 12/08/2015 0915
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-279980	Lab File ID:	P2415.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	12/16/2015 1724			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		26		0.93	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	81		72 - 126
Toluene-d8 (Surr)	98		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B31-AREA2-S2

Lab Sample ID: 480-92332-29
Client Matrix: Solid
% Moisture: 21.6

Date Sampled: 12/08/2015 0935
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2438.D
Dilution:	1.0			Initial Weight/Volume:	1 g
Analysis Date:	12/17/2015 0450			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		2.3	32
1,1,2,2-Tetrachloroethane		ND	*	5.2	32
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		7.3	32
1,1,2-Trichloroethane		ND		4.1	32
1,1-Dichloroethane		550		3.9	32
1,1-Dichloroethene		ND		3.9	32
1,2,4-Trichlorobenzene		ND	*	1.9	32
1,2-Dibromo-3-Chloropropane		ND	*	16	32
1,2-Dibromoethane		ND		4.1	32
1,2-Dichlorobenzene		ND	*	2.5	32
1,2-Dichloroethane		ND		1.6	32
1,2-Dichloropropane		ND		16	32
1,3-Dichlorobenzene		ND	*	1.6	32
1,4-Dichlorobenzene		ND	*	4.5	32
2-Butanone (MEK)		ND		12	160
2-Hexanone		ND		16	160
4-Methyl-2-pentanone (MIBK)		ND		10	160
Acetone		ND		27	160
Benzene		ND		1.6	32
Bromodichloromethane		ND		4.3	32
Bromoform		ND		16	32
Bromomethane		ND		2.9	32
Carbon disulfide		ND		16	32
Carbon tetrachloride		ND		3.1	32
Chlorobenzene		ND		4.2	32
Chloroethane		ND		7.2	32
Chloroform		ND		2.0	32
Chloromethane		ND		1.9	32
cis-1,2-Dichloroethene		25	J	4.1	32
cis-1,3-Dichloropropene		ND		4.6	32
Cyclohexane		ND		4.5	32
Dibromochloromethane		ND		4.1	32
Dichlorodifluoromethane		ND		2.6	32
Ethylbenzene		2.8	J	2.2	32
Isopropylbenzene		ND	*	4.8	32
Methyl acetate		ND		19	32
Methyl tert-butyl ether		ND		3.1	32
Methylcyclohexane		ND		4.8	32
Methylene Chloride		ND		15	32
Styrene		ND		1.6	32
Tetrachloroethene		400		4.3	32
Toluene		11	J	2.4	32
trans-1,2-Dichloroethene		ND		3.3	32
trans-1,3-Dichloropropene		ND		14	32
Trichloroethene		14	J	7.0	32
Trichlorofluoromethane		ND		3.0	32

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B31-AREA2-S2

Lab Sample ID: 480-92332-29
Client Matrix: Solid
% Moisture: 21.6

Date Sampled: 12/08/2015 0935
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2438.D
Dilution:	1.0			Initial Weight/Volume:	1 g
Analysis Date:	12/17/2015 0450			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		3.9	32
Xylenes, Total		6.2	J	5.4	64

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	68	X	72 - 126
Toluene-d8 (Surr)	112		71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B35-AREA2-S1

Lab Sample ID: 480-92332-30
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 12/08/2015 0950
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280619	Lab File ID:	S6461.D
Dilution:	10			Initial Weight/Volume:	5.05 g
Analysis Date:	12/22/2015 1405			Final Weight/Volume:	10 mL
Prep Date:	12/18/2015 2044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		300	1100
1,1,2,2-Tetrachloroethane		ND		180	1100
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		550	1100
1,1,2-Trichloroethane		ND		230	1100
1,1-Dichloroethane		ND		340	1100
1,1-Dichloroethene		ND		380	1100
1,2,4-Trichlorobenzene		ND		420	1100
1,2-Dibromo-3-Chloropropane		ND		550	1100
1,2-Dibromoethane		ND		190	1100
1,2-Dichlorobenzene		ND		280	1100
1,2-Dichloroethane		ND		450	1100
1,2-Dichloropropane		ND		180	1100
1,3-Dichlorobenzene		ND		290	1100
1,4-Dichlorobenzene		ND		150	1100
2-Butanone (MEK)		ND		3300	5500
2-Hexanone		ND		2300	5500
4-Methyl-2-pentanone (MIBK)		ND		350	5500
Acetone		ND		4500	5500
Benzene		ND		210	1100
Bromodichloromethane		ND		220	1100
Bromoform		ND		550	1100
Bromomethane		ND		240	1100
Carbon disulfide		ND		500	1100
Carbon tetrachloride		ND		280	1100
Chlorobenzene		ND		140	1100
Chloroethane		ND		230	1100
Chloroform		ND		750	1100
Chloromethane		ND		260	1100
cis-1,2-Dichloroethene		ND		300	1100
cis-1,3-Dichloropropene		ND		260	1100
Cyclohexane		ND		240	1100
Dibromochloromethane		ND		530	1100
Dichlorodifluoromethane		ND		480	1100
Ethylbenzene		400	J	320	1100
Isopropylbenzene		ND		160	1100
Methyl acetate		ND		520	1100
Methyl tert-butyl ether		ND		420	1100
Methylcyclohexane		ND		510	1100
Methylene Chloride		ND		220	1100
Styrene		ND		260	1100
Tetrachloroethene		45000		150	1100
Toluene		ND		290	1100
trans-1,2-Dichloroethene		ND		260	1100
trans-1,3-Dichloropropene		ND		110	1100
Trichloroethene		2500		310	1100
Trichlorofluoromethane		ND		520	1100

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B35-AREA2-S1

Lab Sample ID: 480-92332-30
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 12/08/2015 0950
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280619	Lab File ID:	S6461.D
Dilution:	10			Initial Weight/Volume:	5.05 g
Analysis Date:	12/22/2015 1405			Final Weight/Volume:	10 mL
Prep Date:	12/18/2015 2044				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		370	1100
Xylenes, Total		ND		610	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		53 - 146
4-Bromofluorobenzene (Surr)	94		49 - 148
Toluene-d8 (Surr)	100		50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B35-AREA2-S2

Lab Sample ID: 480-92332-31
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 12/08/2015 1000
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2439.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/17/2015 0518			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND	*	0.38	5.3
1,1,2,2-Tetrachloroethane		ND	*	0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	1.2	5.3
1,1,2-Trichloroethane		ND	*	0.69	5.3
1,1-Dichloroethane		2.1	J *	0.64	5.3
1,1-Dichloroethene		ND	*	0.65	5.3
1,2,4-Trichlorobenzene		ND	*	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.3
1,2-Dibromoethane		ND	*	0.68	5.3
1,2-Dichlorobenzene		ND	*	0.41	5.3
1,2-Dichloroethane		ND	*	0.26	5.3
1,2-Dichloropropane		ND	*	2.6	5.3
1,3-Dichlorobenzene		ND	*	0.27	5.3
1,4-Dichlorobenzene		ND	*	0.74	5.3
2-Butanone (MEK)		ND	*	1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		7.1	J B *	4.4	26
Benzene		ND	*	0.26	5.3
Bromodichloromethane		ND	*	0.71	5.3
Bromoform		ND	*	2.6	5.3
Bromomethane		ND	*	0.47	5.3
Carbon disulfide		ND	*	2.6	5.3
Carbon tetrachloride		ND	*	0.51	5.3
Chlorobenzene		ND	*	0.70	5.3
Chloroethane		ND	*	1.2	5.3
Chloroform		0.46	J *	0.33	5.3
Chloromethane		ND	*	0.32	5.3
cis-1,2-Dichloroethene		ND	*	0.68	5.3
cis-1,3-Dichloropropene		ND	*	0.76	5.3
Cyclohexane		ND	*	0.74	5.3
Dibromochloromethane		ND	*	0.68	5.3
Dichlorodifluoromethane		ND	*	0.44	5.3
Ethylbenzene		ND	*	0.36	5.3
Isopropylbenzene		ND	*	0.80	5.3
Methyl acetate		ND	*	3.2	5.3
Methyl tert-butyl ether		ND	*	0.52	5.3
Methylcyclohexane		ND	*	0.80	5.3
Methylene Chloride		11	*	2.4	5.3
Styrene		ND	*	0.26	5.3
Tetrachloroethene		2.7	J *	0.71	5.3
Toluene		1.8	J *	0.40	5.3
trans-1,2-Dichloroethene		ND	*	0.54	5.3
trans-1,3-Dichloropropene		ND	*	2.3	5.3
Trichloroethene		ND	*	1.2	5.3
Trichlorofluoromethane		ND	*	0.50	5.3

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: B35-AREA2-S2

Lab Sample ID: 480-92332-31
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 12/08/2015 1000
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280183	Lab File ID:	P2439.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/17/2015 0518			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND	*	0.64	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	131	X *	64 - 126
4-Bromofluorobenzene (Surr)	21	X *	72 - 126
Toluene-d8 (Surr)	87	*	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **SB-RINSEBLANK3**

Lab Sample ID: 480-92332-32
Client Matrix: Water

Date Sampled: 12/08/2015 1430
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280604	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q7767.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/19/2015 0201			Final Weight/Volume:	5 mL
Prep Date:	12/19/2015 0201				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	0.45	J B	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Client Sample ID: **SB-RINSEBLANK3**

Lab Sample ID: 480-92332-32
Client Matrix: Water

Date Sampled: 12/08/2015 1430
Date Received: 12/09/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280604	Instrument ID:	HP5973Q
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	Q7767.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/19/2015 0201			Final Weight/Volume:	5 mL
Prep Date:	12/19/2015 0201				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	98		71 - 126

General Chemistry

Client Sample ID: **B7-AREA2-S1**

Lab Sample ID: 480-92332-1
Client Matrix: Solid

Date Sampled: 12/07/2015 1420
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B10-AREA2-S1**

Lab Sample ID: 480-92332-2
Client Matrix: Solid

Date Sampled: 12/07/2015 1335
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B10-AREA2-S2**

Lab Sample ID: 480-92332-3
Client Matrix: Solid

Date Sampled: 12/07/2015 1330
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B10-AREA2-S3**

Lab Sample ID: 480-92332-4
Client Matrix: Solid

Date Sampled: 12/07/2015 1355
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B11-AREA2-S1**

Lab Sample ID: 480-92332-5
Client Matrix: Solid

Date Sampled: 12/07/2015 1305
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B12-AREA2-S1**

Lab Sample ID: 480-92332-6
Client Matrix: Solid

Date Sampled: 12/07/2015 0845
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B12-AREA2-S2**

Lab Sample ID: 480-92332-7
Client Matrix: Solid

Date Sampled: 12/07/2015 0905
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B12-AREA2-S3**

Lab Sample ID: 480-92332-8
Client Matrix: Solid

Date Sampled: 12/07/2015 0915
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B13-AREA2-S1**

Lab Sample ID: 480-92332-9
Client Matrix: Solid

Date Sampled: 12/07/2015 0940
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B13-AREA2-S2**

Lab Sample ID: 480-92332-10
Client Matrix: Solid

Date Sampled: 12/07/2015 0955
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-AREA2-DUP2**

Lab Sample ID: 480-92332-11
Client Matrix: Solid

Date Sampled: 12/07/2015 1000
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B14-AREA2-S1**

Lab Sample ID: 480-92332-12
Client Matrix: Solid

Date Sampled: 12/07/2015 1055
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B14-AREA2-S2**

Lab Sample ID: 480-92332-13
Client Matrix: Solid

Date Sampled: 12/07/2015 1105
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B15-AREA2-S1**

Lab Sample ID: 480-92332-14
Client Matrix: Solid

Date Sampled: 12/07/2015 1015
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B15-AREA2-S2**

Lab Sample ID: 480-92332-15
Client Matrix: Solid

Date Sampled: 12/07/2015 1030
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B16-AREA2-S1**

Lab Sample ID: 480-92332-16
Client Matrix: Solid

Date Sampled: 12/07/2015 1130
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B16-AREA2-S2**

Lab Sample ID: 480-92332-17
Client Matrix: Solid

Date Sampled: 12/07/2015 1140
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B17-AREA2-S1**

Lab Sample ID: 480-92332-18
Client Matrix: Solid

Date Sampled: 12/08/2015 1310
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B17-AREA2-S2**

Lab Sample ID: 480-92332-19
Client Matrix: Solid

Date Sampled: 12/08/2015 1320
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B27-AREA2-S1**

Lab Sample ID: 480-92332-20
Client Matrix: Solid

Date Sampled: 12/08/2015 1510
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B27-AREA2-S2**

Lab Sample ID: 480-92332-21
Client Matrix: Solid

Date Sampled: 12/08/2015 1515
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B28-AREA2-S1**

Lab Sample ID: 480-92332-22
Client Matrix: Solid

Date Sampled: 12/08/2015 1055
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B28-AREA2-S2**

Lab Sample ID: 480-92332-23
Client Matrix: Solid

Date Sampled: 12/08/2015 1050
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B29-AREA2-S1**

Lab Sample ID: 480-92332-24
Client Matrix: Solid

Date Sampled: 12/08/2015 1025
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B29-AREA2-S2**

Lab Sample ID: 480-92332-25
Client Matrix: Solid

Date Sampled: 12/08/2015 1030
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B30-AREA2-S1**

Lab Sample ID: 480-92332-26
Client Matrix: Solid

Date Sampled: 12/08/2015 1540
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2304						DryWt Corrected: N

General Chemistry

Client Sample ID: **B30-AREA2-S2**

Lab Sample ID: 480-92332-27
Client Matrix: Solid

Date Sampled: 12/08/2015 1600
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N

General Chemistry

Client Sample ID: **B31-AREA2-S1**

Lab Sample ID: 480-92332-28
Client Matrix: Solid

Date Sampled: 12/08/2015 0915
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N

General Chemistry

Client Sample ID: **B31-AREA2-S2**

Lab Sample ID: 480-92332-29
Client Matrix: Solid

Date Sampled: 12/08/2015 0935
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N

General Chemistry

Client Sample ID: **B35-AREA2-S1**

Lab Sample ID: 480-92332-30
Client Matrix: Solid

Date Sampled: 12/08/2015 0950
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N

General Chemistry

Client Sample ID: **B35-AREA2-S2**

Lab Sample ID: 480-92332-31
Client Matrix: Solid

Date Sampled: 12/08/2015 1000
Date Received: 12/09/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279510	Analysis Date: 12/13/2015 2317						DryWt Corrected: N

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92332-1	B7-AREA2-S1	104	100	97
480-92332-2	B10-AREA2-S1	108	100	97
480-92332-3	B10-AREA2-S2	102	104	87
480-92332-4	B10-AREA2-S3	98	107	86
480-92332-5	B11-AREA2-S1	108	101	93
480-92332-6	B12-AREA2-S1	100	101	90
480-92332-8	B12-AREA2-S3	104	108	78
480-92332-9	B13-AREA2-S1	106	99	96
480-92332-10	B13-AREA2-S2	106	101	97
480-92332-10 DL	B13-AREA2-S2 DL	103	102	86
480-92332-11	B-AREA2-DUP2	104	109	82
480-92332-13	B14-AREA2-S2	103	107	78
480-92332-14	B15-AREA2-S1	104	102	77
480-92332-15	B15-AREA2-S2	108	122	47X
480-92332-16	B16-AREA2-S1	108	101	95
480-92332-17	B16-AREA2-S2	105	120	68X
480-92332-18	B17-AREA2-S1	106	139X *	46X *
480-92332-19	B17-AREA2-S2	105	126X	59X
480-92332-20	B27-AREA2-S1	107	100	86
480-92332-21	B27-AREA2-S2	113	102	81
480-92332-22	B28-AREA2-S1	107	99	95
480-92332-23	B28-AREA2-S2	126*	106*	31X *
480-92332-24	B29-AREA2-S1	109	99	91
480-92332-25	B29-AREA2-S2	108	100	94
480-92332-26	B30-AREA2-S1	109	127X	49X
480-92332-27	B30-AREA2-S2	109	101	94
480-92332-28	B31-AREA2-S1	104	98	81
480-92332-29	B31-AREA2-S2	107	112	68X
480-92332-31	B35-AREA2-S2	131X *	87*	21X *

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
MB 480-279590/2-A		105	101	100
MB 480-279710/2-A		102	99	98
MB 480-279840/2-A		103	100	97
MB 480-279980/2-A		102	99	96
MB 480-280183/2-A		104	99	97
LCS 480-279590/1-A		109	104	101
LCS 480-279710/1-A		105	100	99
LCS 480-279840/1-A		104	101	97
LCS 480-279980/1-A		105	100	97
LCS 480-280183/1-A		104	101	95
480-92332-15 MS	B15-AREA2-S2 MS	93	102	93
480-92332-17 MS	B16-AREA2-S2 MS	90	114	73
480-92332-15 MSD	B15-AREA2-S2 MSD	96	100	92
480-92332-17 MSD	B16-AREA2-S2 MSD	89	105	85

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92332-3 DL	B10-AREA2-S2 DL	95	102	96
480-92332-5 DL	B11-AREA2-S1 DL	97	103	98
480-92332-7	B12-AREA2-S2	98	102	97
480-92332-9 DL	B13-AREA2-S1 DL	95	98	94
480-92332-11 DL	B-AREA2-DUP2 DL	96	101	94
480-92332-12	B14-AREA2-S1	97	101	97
480-92332-14 DL	B15-AREA2-S1 DL	97	101	93
480-92332-24 DL	B29-AREA2-S1 DL	92	97	93
480-92332-28 DL	B31-AREA2-S1 DL	92	98	91
480-92332-30	B35-AREA2-S1	89	100	94
MB 480-280169/2-A		88	94	92
MB 480-280619/3-A		96	101	97
MB 480-281171/2-A		95	103	98
LCS 480-280169/1-A		94	97	95
LCS 480-280619/1-A		98	101	98
LCS 480-281171/1-A		90	101	96
480-92332-14 MS	B15-AREA2-S1 MS	94	102	99
480-92332-24 MS	B29-AREA2-S1 MS	88	98	96
480-92332-14 MSD	B15-AREA2-S1 MSD	93	99	96
480-92332-24 MSD	B29-AREA2-S1 MSD	91	101	95

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92332-32	SB-RINSEBLANK3	103	98	97
MB 480-280604/7		98	97	96
LCS 480-280604/5		99	100	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-279590

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279590/2-A	Analysis Batch:	480-279534	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279590	Lab File ID:	P2324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.09 g
Analysis Date:	12/14/2015 1210	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 0956				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	4.9
1,1,2,2-Tetrachloroethane	ND		0.80	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.9
1,1,2-Trichloroethane	ND		0.64	4.9
1,1-Dichloroethane	ND		0.60	4.9
1,1-Dichloroethene	ND		0.60	4.9
1,2,4-Trichlorobenzene	ND		0.30	4.9
1,2-Dibromo-3-Chloropropane	ND		2.5	4.9
1,2-Dibromoethane	ND		0.63	4.9
1,2-Dichlorobenzene	ND		0.38	4.9
1,2-Dichloroethane	ND		0.25	4.9
1,2-Dichloropropane	ND		2.5	4.9
1,3-Dichlorobenzene	ND		0.25	4.9
1,4-Dichlorobenzene	ND		0.69	4.9
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	6.62	J	4.1	25
Benzene	ND		0.24	4.9
Bromodichloromethane	ND		0.66	4.9
Bromoform	ND		2.5	4.9
Bromomethane	ND		0.44	4.9
Carbon disulfide	ND		2.5	4.9
Carbon tetrachloride	ND		0.48	4.9
Chlorobenzene	ND		0.65	4.9
Chloroethane	ND		1.1	4.9
Chloroform	ND		0.30	4.9
Chloromethane	ND		0.30	4.9
cis-1,2-Dichloroethene	ND		0.63	4.9
cis-1,3-Dichloropropene	ND		0.71	4.9
Cyclohexane	ND		0.69	4.9
Dibromochloromethane	ND		0.63	4.9
Dichlorodifluoromethane	ND		0.41	4.9
Ethylbenzene	ND		0.34	4.9
Isopropylbenzene	ND		0.74	4.9
Methyl acetate	ND		3.0	4.9
Methyl tert-butyl ether	ND		0.48	4.9
Methylcyclohexane	ND		0.75	4.9
Methylene Chloride	ND		2.3	4.9
Styrene	ND		0.25	4.9
Tetrachloroethene	ND		0.66	4.9
Toluene	ND		0.37	4.9
trans-1,2-Dichloroethene	ND		0.51	4.9
trans-1,3-Dichloropropene	ND		2.2	4.9
Trichloroethene	ND		1.1	4.9

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-279590

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279590/2-A	Analysis Batch:	480-279534	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279590	Lab File ID:	P2324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.09 g
Analysis Date:	12/14/2015 1210	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 0956				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.46	4.9
Vinyl chloride	ND		0.60	4.9
Xylenes, Total	ND		0.83	9.8

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	64 - 126
4-Bromofluorobenzene (Surr)	100	72 - 126
Toluene-d8 (Surr)	101	71 - 125

Lab Control Sample - Batch: 480-279590

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279590/1-A	Analysis Batch:	480-279534	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279590	Lab File ID:	P2322.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/14/2015 1115	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 0956				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.7	46.3	93	73 - 126	
1,1-Dichloroethene	49.7	45.7	92	59 - 125	
1,2-Dichlorobenzene	49.7	46.7	94	75 - 120	
1,2-Dichloroethane	49.7	44.0	88	77 - 122	
Benzene	49.7	44.2	89	79 - 127	
Chlorobenzene	49.7	46.5	93	76 - 124	
cis-1,2-Dichloroethene	49.7	45.7	92	81 - 117	
Ethylbenzene	49.7	48.2	97	80 - 120	
Methyl tert-butyl ether	49.7	46.8	94	63 - 125	
Tetrachloroethene	49.7	51.0	103	74 - 122	
Toluene	49.7	45.2	91	74 - 128	
trans-1,2-Dichloroethene	49.7	46.6	94	78 - 126	
Trichloroethene	49.7	45.8	92	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	64 - 126
4-Bromofluorobenzene (Surr)	101	72 - 126
Toluene-d8 (Surr)	104	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-279710

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279710/2-A	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279710	Lab File ID:	P2350.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/15/2015 0146	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	5.42	J	4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dibromochloromethane	ND		0.64	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-279710

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279710/2-A	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279710	Lab File ID:	P2350.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/15/2015 0146	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	64 - 126
4-Bromofluorobenzene (Surr)	98	72 - 126
Toluene-d8 (Surr)	99	71 - 125

Lab Control Sample - Batch: 480-279710

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279710/1-A	Analysis Batch:	480-279691	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279710	Lab File ID:	P2348.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/15/2015 0052	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/14/2015 2350				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	40.9	82	73 - 126	
1,1-Dichloroethene	50.0	40.4	81	59 - 125	
1,2-Dichlorobenzene	50.0	40.0	80	75 - 120	
1,2-Dichloroethane	50.0	40.1	80	77 - 122	
Benzene	50.0	41.8	84	79 - 127	
Chlorobenzene	50.0	40.5	81	76 - 124	
cis-1,2-Dichloroethene	50.0	41.2	82	81 - 117	
Ethylbenzene	50.0	41.7	83	80 - 120	
Methyl tert-butyl ether	50.0	40.9	82	63 - 125	
Tetrachloroethene	50.0	41.9	84	74 - 122	
Toluene	50.0	38.1	76	74 - 128	
trans-1,2-Dichloroethene	50.0	41.1	82	78 - 126	
Trichloroethene	50.0	41.1	82	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	64 - 126
4-Bromofluorobenzene (Surr)	99	72 - 126
Toluene-d8 (Surr)	100	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-279840

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279840/2-A	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279840	Lab File ID:	P2376.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/15/2015 1436	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dibromochloromethane	ND		0.64	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-279840

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279840/2-A	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279840	Lab File ID:	P2376.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/15/2015 1436	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	64 - 126
4-Bromofluorobenzene (Surr)	97	72 - 126
Toluene-d8 (Surr)	100	71 - 125

Lab Control Sample - Batch: 480-279840

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279840/1-A	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279840	Lab File ID:	P2374.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.08 g
Analysis Date:	12/15/2015 1342	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.2	43.9	89	73 - 126	
1,1-Dichloroethene	49.2	42.7	87	59 - 125	
1,2-Dichlorobenzene	49.2	45.0	91	75 - 120	
1,2-Dichloroethane	49.2	44.0	89	77 - 122	
Benzene	49.2	45.0	92	79 - 127	
Chlorobenzene	49.2	45.2	92	76 - 124	
cis-1,2-Dichloroethene	49.2	44.6	91	81 - 117	
Ethylbenzene	49.2	45.7	93	80 - 120	
Methyl tert-butyl ether	49.2	44.8	91	63 - 125	
Tetrachloroethene	49.2	45.3	92	74 - 122	
Toluene	49.2	42.0	85	74 - 128	
trans-1,2-Dichloroethene	49.2	43.6	89	78 - 126	
Trichloroethene	49.2	44.4	90	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	64 - 126
4-Bromofluorobenzene (Surr)	97	72 - 126
Toluene-d8 (Surr)	101	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279840

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92332-17	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279840	Lab File ID:	P2378.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.08 g
Analysis Date:	12/15/2015 1615			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92332-17	Analysis Batch:	480-279815	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279840	Lab File ID:	P2379.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/15/2015 1642			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 1230				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	82	73	73 - 126	11	30		
1,1-Dichloroethene	77	68	59 - 125	12	30		
1,2-Dichlorobenzene	66	41	75 - 120	47	30	F1	F1 F2
1,2-Dichloroethane	65	58	77 - 122	10	30	F1	F1
Benzene	79	68	79 - 127	14	30		F1
Chlorobenzene	69	52	76 - 124	27	30	F1	F1
cis-1,2-Dichloroethene	75	64	81 - 117	13	30	F1	F1
Ethylbenzene	74	55	80 - 120	28	30	F1	F1
Methyl tert-butyl ether	75	75	63 - 125	2	30		
Tetrachloroethene	83	60	74 - 122	32	30		F1 F2
Toluene	80	59	74 - 128	29	30		F1
trans-1,2-Dichloroethene	74	63	78 - 126	15	30	F1	F1
Trichloroethene	68	55	77 - 129	20	30	F1	F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	89	64 - 126
4-Bromofluorobenzene (Surr)	73	85	72 - 126
Toluene-d8 (Surr)	114	105	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279840

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92332-17	Units: ug/Kg	MSD Lab Sample ID:	480-92332-17	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	12/15/2015 1615		Analysis Date:	12/15/2015 1642	
Prep Date:	12/15/2015 1230		Prep Date:	12/15/2015 1230	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	ND	63.5	64.3	52.1		46.7	
1,1-Dichloroethene	ND	63.5	64.3	49.1		43.4	
1,2-Dichlorobenzene	ND	63.5	64.3	42.1	F1	26.2	F1 F2
1,2-Dichloroethane	ND	63.5	64.3	41.0	F1	37.1	F1
Benzene	ND	63.5	64.3	49.9		43.5	F1
Chlorobenzene	ND	63.5	64.3	44.0	F1	33.5	F1
cis-1,2-Dichloroethene	1.0 J	63.5	64.3	48.4	F1	42.4	F1
Ethylbenzene	ND	63.5	64.3	47.0	F1	35.6	F1
Methyl tert-butyl ether	ND	63.5	64.3	47.6		48.4	
Tetrachloroethene	ND	63.5	64.3	53.0		38.5	F1 F2
Toluene	ND	63.5	64.3	50.9		38.1	F1
trans-1,2-Dichloroethene	ND	63.5	64.3	47.3	F1	40.5	F1
Trichloroethene	ND	63.5	64.3	43.5	F1	35.5	F1

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-279980

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279980/2-A	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279980	Lab File ID:	P2404.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.12 g
Analysis Date:	12/16/2015 1148	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.35	4.9
1,1,2,2-Tetrachloroethane	ND		0.79	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.9
1,1,2-Trichloroethane	ND		0.63	4.9
1,1-Dichloroethane	ND		0.60	4.9
1,1-Dichloroethene	ND		0.60	4.9
1,2,4-Trichlorobenzene	ND		0.30	4.9
1,2-Dibromo-3-Chloropropane	ND		2.4	4.9
1,2-Dibromoethane	ND		0.63	4.9
1,2-Dichlorobenzene	ND		0.38	4.9
1,2-Dichloroethane	ND		0.25	4.9
1,2-Dichloropropane	ND		2.4	4.9
1,3-Dichlorobenzene	ND		0.25	4.9
1,4-Dichlorobenzene	ND		0.68	4.9
2-Butanone (MEK)	ND		1.8	24
2-Hexanone	ND		2.4	24
4-Methyl-2-pentanone (MIBK)	ND		1.6	24
Acetone	6.80	J	4.1	24
Benzene	ND		0.24	4.9
Bromodichloromethane	ND		0.65	4.9
Bromoform	ND		2.4	4.9
Bromomethane	ND		0.44	4.9
Carbon disulfide	ND		2.4	4.9
Carbon tetrachloride	ND		0.47	4.9
Chlorobenzene	ND		0.64	4.9
Chloroethane	ND		1.1	4.9
Chloroform	ND		0.30	4.9
Chloromethane	ND		0.29	4.9
cis-1,2-Dichloroethene	ND		0.63	4.9
cis-1,3-Dichloropropene	ND		0.70	4.9
Cyclohexane	ND		0.68	4.9
Dibromochloromethane	ND		0.63	4.9
Dichlorodifluoromethane	ND		0.40	4.9
Ethylbenzene	ND		0.34	4.9
Isopropylbenzene	ND		0.74	4.9
Methyl acetate	ND		2.9	4.9
Methyl tert-butyl ether	ND		0.48	4.9
Methylcyclohexane	ND		0.74	4.9
Methylene Chloride	ND		2.2	4.9
Styrene	ND		0.24	4.9
Tetrachloroethene	ND		0.66	4.9
Toluene	0.409	J	0.37	4.9
trans-1,2-Dichloroethene	ND		0.50	4.9
trans-1,3-Dichloropropene	ND		2.1	4.9
Trichloroethene	ND		1.1	4.9

Method Blank - Batch: 480-279980

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279980/2-A	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279980	Lab File ID:	P2404.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.12 g
Analysis Date:	12/16/2015 1148	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.46	4.9
Vinyl chloride	ND		0.60	4.9
Xylenes, Total	ND		0.82	9.8

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	64 - 126
4-Bromofluorobenzene (Surr)	96	72 - 126
Toluene-d8 (Surr)	99	71 - 125

Lab Control Sample - Batch: 480-279980

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279980/1-A	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279980	Lab File ID:	P2402.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.16 g
Analysis Date:	12/16/2015 1054	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	48.4	39.7	82	73 - 126	
1,1-Dichloroethene	48.4	37.5	77	59 - 125	
1,2-Dichlorobenzene	48.4	40.2	83	75 - 120	
1,2-Dichloroethane	48.4	41.1	85	77 - 122	
Benzene	48.4	40.0	83	79 - 127	
Chlorobenzene	48.4	40.0	82	76 - 124	
cis-1,2-Dichloroethene	48.4	40.0	83	81 - 117	
Ethylbenzene	48.4	40.2	83	80 - 120	
Methyl tert-butyl ether	48.4	42.7	88	63 - 125	
Tetrachloroethene	48.4	38.0	79	74 - 122	
Toluene	48.4	37.1	77	74 - 128	
trans-1,2-Dichloroethene	48.4	38.4	79	78 - 126	
Trichloroethene	48.4	39.0	80	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	64 - 126
4-Bromofluorobenzene (Surr)	97	72 - 126
Toluene-d8 (Surr)	100	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279980

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92332-15	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279980	Lab File ID:	P2419.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/16/2015 1913			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92332-15	Analysis Batch:	480-279989	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-279980	Lab File ID:	P2420.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/16/2015 1940			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0813				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	65	60	73 - 126	10	30	F1	F1
1,1-Dichloroethene	60	52	59 - 125	15	30		F1
1,2-Dichlorobenzene	29	16	75 - 120	61	30	F1	F1 F2
1,2-Dichloroethane	58	55	77 - 122	8	30	F1	F1
Benzene	62	55	79 - 127	13	30	F1	F1
Chlorobenzene	47	32	76 - 124	39	30	F1	F1 F2
cis-1,2-Dichloroethene	61	56	81 - 117	11	30	F1	F1
Ethylbenzene	44	27	80 - 120	48	30	F1	F1 F2
Methyl tert-butyl ether	65	67	63 - 125	3	30		
Tetrachloroethene	45	29	74 - 122	37	30	F1	F1 F2
Toluene	50	38	74 - 128	27	30	F1	F1
trans-1,2-Dichloroethene	56	47	78 - 126	19	30	F1	F1
Trichloroethene	51	39	77 - 129	28	30	F1	F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	96	64 - 126
4-Bromofluorobenzene (Surr)	93	92	72 - 126
Toluene-d8 (Surr)	102	100	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279980

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92332-15	Units: ug/Kg	MSD Lab Sample ID: 480-92332-15
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Analysis Date:	12/16/2015 1913		Analysis Date: 12/16/2015 1940
Prep Date:	12/16/2015 0813		Prep Date: 12/16/2015 0813
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual		
1,1-Dichloroethane	ND		53.6	52.9	34.7	F1	31.5	F1	
1,1-Dichloroethene	ND		53.6	52.9	32.1		27.6	F1	
1,2-Dichlorobenzene	ND		53.6	52.9	15.8	F1	8.44	F1	F2
1,2-Dichloroethane	ND		53.6	52.9	31.3	F1	29.0	F1	
Benzene	ND		53.6	52.9	33.2	F1	29.1	F1	
Chlorobenzene	ND		53.6	52.9	25.1	F1	16.9	F1	F2
cis-1,2-Dichloroethene	ND		53.6	52.9	33.0	F1	29.5	F1	
Ethylbenzene	ND		53.6	52.9	23.8	F1	14.5	F1	F2
Methyl tert-butyl ether	ND		53.6	52.9	34.6		35.6		
Tetrachloroethene	5.0	J	53.6	52.9	29.4	F1	20.1	F1	F2
Toluene	0.61	J	53.6	52.9	27.2	F1	20.8	F1	
trans-1,2-Dichloroethene	ND		53.6	52.9	30.0	F1	24.8	F1	
Trichloroethene	ND		53.6	52.9	27.6	F1	20.8	F1	

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-280169

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280169/2-A	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 0107	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		28	100
1,1,2,2-Tetrachloroethane	ND		16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	100
1,1,2-Trichloroethane	ND		21	100
1,1-Dichloroethane	ND		31	100
1,1-Dichloroethene	ND		34	100
1,2,4-Trichlorobenzene	ND		38	100
1,2-Dibromo-3-Chloropropane	ND		50	100
1,2-Dibromoethane	ND		17	100
1,2-Dichlorobenzene	ND		25	100
1,2-Dichloroethane	ND		41	100
1,2-Dichloropropane	ND		16	100
1,3-Dichlorobenzene	ND		27	100
1,4-Dichlorobenzene	ND		14	100
2-Butanone (MEK)	ND		300	500
2-Hexanone	ND		200	500
4-Methyl-2-pentanone (MIBK)	ND		32	500
Acetone	ND		410	500
Benzene	ND		19	100
Bromodichloromethane	ND		20	100
Bromoform	ND		50	100
Bromomethane	ND		22	100
Carbon disulfide	ND		45	100
Carbon tetrachloride	ND		25	100
Chlorobenzene	ND		13	100
Chloroethane	ND		21	100
Chloroform	ND		68	100
Chloromethane	ND		24	100
cis-1,2-Dichloroethene	ND		27	100
cis-1,3-Dichloropropene	ND		24	100
Cyclohexane	ND		22	100
Dibromochloromethane	ND		48	100
Dichlorodifluoromethane	ND		43	100
Ethylbenzene	ND		29	100
Isopropylbenzene	ND		15	100
Methyl acetate	ND		47	100
Methyl tert-butyl ether	ND		38	100
Methylcyclohexane	ND		47	100
Methylene Chloride	ND		20	100
Styrene	ND		24	100
Tetrachloroethene	ND		13	100
Toluene	ND		27	100
trans-1,2-Dichloroethene	ND		24	100
trans-1,3-Dichloropropene	ND		9.8	100
Trichloroethene	ND		28	100

Method Blank - Batch: 480-280169

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280169/2-A	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 0107	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		47	100
Vinyl chloride	ND		33	100
Xylenes, Total	ND		55	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	53 - 146
4-Bromofluorobenzene (Surr)	92	49 - 148
Toluene-d8 (Surr)	94	50 - 149

Lab Control Sample - Batch: 480-280169

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-280169/1-A	Analysis Batch:	480-280176	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6163.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.07 g
Analysis Date:	12/16/2015 2336	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	2470	2060	84	78 - 121	
1,1-Dichloroethene	2470	1690	69	48 - 133	
1,2-Dichlorobenzene	2470	2400	97	78 - 125	
1,2-Dichloroethane	2470	2040	83	74 - 127	
Benzene	2470	2160	88	77 - 125	
Chlorobenzene	2470	2230	90	76 - 126	
cis-1,2-Dichloroethene	2470	2050	83	79 - 124	
Ethylbenzene	2470	2460	100	78 - 124	
Methyl tert-butyl ether	2470	2100	85	67 - 137	
Tetrachloroethene	2470	2370	96	73 - 133	
Toluene	2470	2380	96	75 - 124	
trans-1,2-Dichloroethene	2470	1930	78	74 - 129	
Trichloroethene	2470	2110	86	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	53 - 146
4-Bromofluorobenzene (Surr)	95	49 - 148
Toluene-d8 (Surr)	97	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-280169

Method: 8260C
Preparation: 5035A

MS Lab Sample ID:	480-92332-14	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6385.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/20/2015 2156			Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92332-14	Analysis Batch:	480-280696	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280169	Lab File ID:	S6386.D
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5.05 g
Analysis Date:	12/20/2015 2219			Final Weight/Volume:	10 mL
Prep Date:	12/16/2015 1802				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	84	79	82 - 138	7	20		F1
1,1-Dichloroethene	49	57	50 - 147	15	20	F1	
1,2-Dichlorobenzene	95	93	80 - 132	3	20		
1,2-Dichloroethane	88	82	78 - 129	7	20		
Benzene	92	85	77 - 125	9	20		
Chlorobenzene	90	97	76 - 126	6	20		
cis-1,2-Dichloroethene	106	106	79 - 124	1	20		
Ethylbenzene	100	130	78 - 124	21	20		F1 F2
Methyl tert-butyl ether	79	76	67 - 137	4	20		
Tetrachloroethene	554	1685	73 - 133	44	20	4	4 F2
Toluene	101	98	75 - 124	4	20		
trans-1,2-Dichloroethene	81	75	74 - 129	8	20		
Trichloroethene	167	201	75 - 131	11	20	F1	F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	93	53 - 146
4-Bromofluorobenzene (Surr)	99	96	49 - 148
Toluene-d8 (Surr)	102	99	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-280169

Method: 8260C
Preparation: 5035A

MS Lab Sample ID:	480-92332-14	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	10		
Analysis Date:	12/20/2015 2156		
Prep Date:	12/16/2015 1802		
Leach Date:	N/A		

MSD Lab Sample ID:	480-92332-14
Client Matrix:	Solid
Dilution:	10
Analysis Date:	12/20/2015 2219
Prep Date:	12/16/2015 1802
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	2660	2650	2240	2090 F1
1,1-Dichloroethene	ND	2660	2650	1290 F1	1500
1,2-Dichlorobenzene	ND	2660	2650	2530	2460
1,2-Dichloroethane	ND	2660	2650	2340	2170
Benzene	ND	2660	2650	2440	2240
Chlorobenzene	ND	2660	2650	2400	2560
cis-1,2-Dichloroethene	ND	2660	2650	2830	2800
Ethylbenzene	670 J	2660	2650	3330	4110 F1 F2
Methyl tert-butyl ether	ND	2660	2650	2090	2010
Tetrachloroethene	39000	2660	2650	53500 4	83300 4 F2
Toluene	ND	2660	2650	2680	2580
trans-1,2-Dichloroethene	ND	2660	2650	2150	1980
Trichloroethene	2900	2660	2650	7310 F1	8190 F1

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-280183

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280183/2-A	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280183	Lab File ID:	P2426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/16/2015 2249	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	5.86	J	4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dibromochloromethane	ND		0.64	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-280183

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280183/2-A	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280183	Lab File ID:	P2426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/16/2015 2249	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.83	9.9

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	64 - 126
4-Bromofluorobenzene (Surr)	97	72 - 126
Toluene-d8 (Surr)	99	71 - 125

Lab Control Sample - Batch: 480-280183

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-280183/1-A	Analysis Batch:	480-280185	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280183	Lab File ID:	P2424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.32 g
Analysis Date:	12/16/2015 2154	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 2009				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	47.0	44.1	94	73 - 126	
1,1-Dichloroethene	47.0	43.6	93	59 - 125	
1,2-Dichlorobenzene	47.0	43.1	92	75 - 120	
1,2-Dichloroethane	47.0	42.0	89	77 - 122	
Benzene	47.0	44.7	95	79 - 127	
Chlorobenzene	47.0	43.6	93	76 - 124	
cis-1,2-Dichloroethene	47.0	43.4	92	81 - 117	
Ethylbenzene	47.0	45.0	96	80 - 120	
Methyl tert-butyl ether	47.0	43.5	93	63 - 125	
Tetrachloroethene	47.0	44.9	96	74 - 122	
Toluene	47.0	41.5	88	74 - 128	
trans-1,2-Dichloroethene	47.0	44.3	94	78 - 126	
Trichloroethene	47.0	43.6	93	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	64 - 126
4-Bromofluorobenzene (Surr)	95	72 - 126
Toluene-d8 (Surr)	101	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-280604

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-280604/7	Analysis Batch:	480-280604	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q7765.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/19/2015 0114	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/19/2015 0114				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	0.306	J	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-280604

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-280604/7	Analysis Batch:	480-280604	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q7765.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/19/2015 0114	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/19/2015 0114				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	66 - 137
4-Bromofluorobenzene (Surr)	96	73 - 120
Toluene-d8 (Surr)	97	71 - 126

Lab Control Sample - Batch: 480-280604

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-280604/5	Analysis Batch:	480-280604	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q7763.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/19/2015 0028	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/19/2015 0028				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	26.3	105	71 - 129	
1,1-Dichloroethene	25.0	28.1	113	58 - 121	
1,2-Dichlorobenzene	25.0	24.7	99	80 - 124	
1,2-Dichloroethane	25.0	25.2	101	75 - 127	
Benzene	25.0	25.4	102	71 - 124	
Chlorobenzene	25.0	24.6	98	72 - 120	
cis-1,2-Dichloroethene	25.0	25.7	103	74 - 124	
Ethylbenzene	25.0	25.0	100	77 - 123	
Methyl tert-butyl ether	25.0	26.5	106	64 - 127	
Tetrachloroethene	25.0	25.5	102	74 - 122	
Toluene	25.0	25.4	102	80 - 122	
trans-1,2-Dichloroethene	25.0	26.3	105	73 - 127	
Trichloroethene	25.0	25.7	103	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	66 - 137
4-Bromofluorobenzene (Surr)	98	73 - 120
Toluene-d8 (Surr)	100	71 - 126

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-280619

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280619/3-A	Analysis Batch:	480-280605	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280619	Lab File ID:	S6309.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/19/2015 0136	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/18/2015 2044				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		28	100
1,1,2,2-Tetrachloroethane	ND		16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	100
1,1,2-Trichloroethane	ND		21	100
1,1-Dichloroethane	ND		31	100
1,1-Dichloroethene	ND		35	100
1,2,4-Trichlorobenzene	ND		38	100
1,2-Dibromo-3-Chloropropane	ND		50	100
1,2-Dibromoethane	ND		17	100
1,2-Dichlorobenzene	ND		25	100
1,2-Dichloroethane	ND		41	100
1,2-Dichloropropane	ND		16	100
1,3-Dichlorobenzene	ND		27	100
1,4-Dichlorobenzene	ND		14	100
2-Butanone (MEK)	ND		300	500
2-Hexanone	ND		200	500
4-Methyl-2-pentanone (MIBK)	ND		32	500
Acetone	ND		410	500
Benzene	ND		19	100
Bromodichloromethane	ND		20	100
Bromoform	ND		50	100
Bromomethane	ND		22	100
Carbon disulfide	ND		45	100
Carbon tetrachloride	ND		25	100
Chlorobenzene	ND		13	100
Chloroethane	ND		21	100
Chloroform	ND		68	100
Chloromethane	ND		24	100
cis-1,2-Dichloroethene	ND		28	100
cis-1,3-Dichloropropene	ND		24	100
Cyclohexane	ND		22	100
Dibromochloromethane	ND		48	100
Dichlorodifluoromethane	ND		44	100
Ethylbenzene	ND		29	100
Isopropylbenzene	ND		15	100
Methyl acetate	ND		48	100
Methyl tert-butyl ether	ND		38	100
Methylcyclohexane	ND		47	100
Methylene Chloride	ND		20	100
Styrene	ND		24	100
Tetrachloroethene	ND		13	100
Toluene	ND		27	100
trans-1,2-Dichloroethene	ND		24	100
trans-1,3-Dichloropropene	ND		9.8	100
Trichloroethene	ND		28	100

Method Blank - Batch: 480-280619

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280619/3-A	Analysis Batch:	480-280605	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280619	Lab File ID:	S6309.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.01 g
Analysis Date:	12/19/2015 0136	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/18/2015 2044				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		47	100
Vinyl chloride	ND		33	100
Xylenes, Total	ND		55	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	53 - 146
4-Bromofluorobenzene (Surr)	97	49 - 148
Toluene-d8 (Surr)	101	50 - 149

Lab Control Sample - Batch: 480-280619

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-280619/1-A	Analysis Batch:	480-280605	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280619	Lab File ID:	S6306.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/19/2015 0027	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/18/2015 2044				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	2490	2390	96	78 - 121	
1,1-Dichloroethene	2490	2260	91	48 - 133	
1,2-Dichlorobenzene	2490	2520	101	78 - 125	
1,2-Dichloroethane	2490	2250	90	74 - 127	
Benzene	2490	2410	97	77 - 125	
Chlorobenzene	2490	2360	95	76 - 126	
cis-1,2-Dichloroethene	2490	2300	93	79 - 124	
Ethylbenzene	2490	2660	107	78 - 124	
Methyl tert-butyl ether	2490	2320	93	67 - 137	
Tetrachloroethene	2490	2460	99	73 - 133	
Toluene	2490	2540	102	75 - 124	
trans-1,2-Dichloroethene	2490	2280	92	74 - 129	
Trichloroethene	2490	2330	93	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	53 - 146
4-Bromofluorobenzene (Surr)	98	49 - 148
Toluene-d8 (Surr)	101	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-281171

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-281171/2-A	Analysis Batch:	480-281166	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-281171	Lab File ID:	S6485.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/22/2015 2256	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/22/2015 1857				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		28	100
1,1,2,2-Tetrachloroethane	ND		16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	100
1,1,2-Trichloroethane	ND		21	100
1,1-Dichloroethane	ND		31	100
1,1-Dichloroethene	ND		35	100
1,2,4-Trichlorobenzene	ND		38	100
1,2-Dibromo-3-Chloropropane	ND		50	100
1,2-Dibromoethane	ND		18	100
1,2-Dichlorobenzene	ND		26	100
1,2-Dichloroethane	ND		41	100
1,2-Dichloropropane	ND		16	100
1,3-Dichlorobenzene	ND		27	100
1,4-Dichlorobenzene	ND		14	100
2-Butanone (MEK)	ND		300	500
2-Hexanone	ND		210	500
4-Methyl-2-pentanone (MIBK)	ND		32	500
Acetone	ND		410	500
Benzene	ND		19	100
Bromodichloromethane	ND		20	100
Bromoform	ND		50	100
Bromomethane	ND		22	100
Carbon disulfide	ND		46	100
Carbon tetrachloride	ND		26	100
Chlorobenzene	ND		13	100
Chloroethane	ND		21	100
Chloroform	ND		69	100
Chloromethane	ND		24	100
cis-1,2-Dichloroethene	ND		28	100
cis-1,3-Dichloropropene	ND		24	100
Cyclohexane	ND		22	100
Dibromochloromethane	ND		48	100
Dichlorodifluoromethane	ND		44	100
Ethylbenzene	ND		29	100
Isopropylbenzene	ND		15	100
Methyl acetate	ND		48	100
Methyl tert-butyl ether	ND		38	100
Methylcyclohexane	ND		47	100
Methylene Chloride	ND		20	100
Styrene	ND		24	100
Tetrachloroethene	ND		13	100
Toluene	ND		27	100
trans-1,2-Dichloroethene	ND		24	100
trans-1,3-Dichloropropene	ND		9.8	100
Trichloroethene	ND		28	100

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Method Blank - Batch: 480-281171

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-281171/2-A	Analysis Batch:	480-281166	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-281171	Lab File ID:	S6485.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/22/2015 2256	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/22/2015 1857				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		47	100
Vinyl chloride	ND		34	100
Xylenes, Total	ND		55	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	53 - 146
4-Bromofluorobenzene (Surr)	98	49 - 148
Toluene-d8 (Surr)	103	50 - 149

Lab Control Sample - Batch: 480-281171

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-281171/1-A	Analysis Batch:	480-281166	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-281171	Lab File ID:	S6483.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.08 g
Analysis Date:	12/22/2015 2211	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/22/2015 1857				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	2460	2090	85	78 - 121	
1,1-Dichloroethene	2460	1970	80	48 - 133	
1,2-Dichlorobenzene	2460	2340	95	78 - 125	
1,2-Dichloroethane	2460	1940	79	74 - 127	
Benzene	2460	2170	88	77 - 125	
Chlorobenzene	2460	2180	89	76 - 126	
cis-1,2-Dichloroethene	2460	2050	83	79 - 124	
Ethylbenzene	2460	2410	98	78 - 124	
Methyl tert-butyl ether	2460	2020	82	67 - 137	
Tetrachloroethene	2460	2210	90	73 - 133	
Toluene	2460	2340	95	75 - 124	
trans-1,2-Dichloroethene	2460	2040	83	74 - 129	
Trichloroethene	2460	2080	85	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	53 - 146
4-Bromofluorobenzene (Surr)	96	49 - 148
Toluene-d8 (Surr)	101	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-281171

Method: 8260C
Preparation: 5035A

MS Lab Sample ID:	480-92332-24	Analysis Batch:	480-281166	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-281171	Lab File ID:	S6504.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/23/2015 0622			Final Weight/Volume:	10 mL
Prep Date:	12/22/2015 1857				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92332-24	Analysis Batch:	480-281166	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-281171	Lab File ID:	S6505.D
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	5.09 g
Analysis Date:	12/23/2015 0645			Final Weight/Volume:	10 mL
Prep Date:	12/22/2015 1857				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	93	101	82 - 138	7	20		
1,1-Dichloroethene	83	86	50 - 147	3	20		
1,2-Dichlorobenzene	93	101	80 - 132	7	20		
1,2-Dichloroethane	85	89	78 - 129	4	20		
Benzene	93	103	77 - 125	9	20		
Chlorobenzene	92	101	76 - 126	9	20		
cis-1,2-Dichloroethene	98	103	79 - 124	5	20		
Ethylbenzene	108	123	78 - 124	10	20		
Methyl tert-butyl ether	88	97	67 - 137	8	20		
Tetrachloroethene	773	1148	73 - 133	17	20	E 4	E 4
Toluene	102	112	75 - 124	8	20		
trans-1,2-Dichloroethene	87	96	74 - 129	8	20		
Trichloroethene	381	539	75 - 131	14	20	4	4

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	91	53 - 146
4-Bromofluorobenzene (Surr)	96	95	49 - 148
Toluene-d8 (Surr)	98	101	50 - 149

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-281171

Method: 8260C
Preparation: 5035A

MS Lab Sample ID:	480-92332-24	Units: ug/Kg	MSD Lab Sample ID:	480-92332-24	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	4.0		Dilution:	4.0	
Analysis Date:	12/23/2015 0622		Analysis Date:	12/23/2015 0645	
Prep Date:	12/22/2015 1857		Prep Date:	12/22/2015 1857	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	ND		2690	2670	2500		2690	
1,1-Dichloroethene	ND		2690	2670	2220		2290	
1,2-Dichlorobenzene	ND		2690	2670	2510		2700	
1,2-Dichloroethane	ND		2690	2670	2280		2370	
Benzene	ND		2690	2670	2510		2760	
Chlorobenzene	ND		2690	2670	2460		2700	
cis-1,2-Dichloroethene	ND		2690	2670	2630		2750	
Ethylbenzene	410	J	2690	2670	3330		3690	
Methyl tert-butyl ether	ND		2690	2670	2380		2580	
Tetrachloroethene	31000		2690	2670	52200	E 4	62000	E 4
Toluene	120	J	2690	2670	2870		3110	
trans-1,2-Dichloroethene	ND		2690	2670	2350		2560	
Trichloroethene	18000		2690	2670	28000	4	32100	4

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	ISTD response or retention time outside acceptable limits
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-279534					
LCS 480-279590/1-A	Lab Control Sample	T	Solid	8260C	480-279590
MB 480-279590/2-A	Method Blank	T	Solid	8260C	480-279590
480-92332-2	B10-AREA2-S1	T	Solid	8260C	480-279590
Prep Batch: 480-279590					
LCS 480-279590/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279590/2-A	Method Blank	T	Solid	5035	
480-92332-2	B10-AREA2-S1	T	Solid	5035	
Analysis Batch:480-279691					
LCS 480-279710/1-A	Lab Control Sample	T	Solid	8260C	480-279710
MB 480-279710/2-A	Method Blank	T	Solid	8260C	480-279710
480-92332-1	B7-AREA2-S1	T	Solid	8260C	480-279710
480-92332-3	B10-AREA2-S2	T	Solid	8260C	480-279710
480-92332-4	B10-AREA2-S3	T	Solid	8260C	480-279710
480-92332-5	B11-AREA2-S1	T	Solid	8260C	480-279710
480-92332-9	B13-AREA2-S1	T	Solid	8260C	480-279710
480-92332-10	B13-AREA2-S2	T	Solid	8260C	480-279710
480-92332-11	B-AREA2-DUP2	T	Solid	8260C	480-279710
480-92332-14	B15-AREA2-S1	T	Solid	8260C	480-279710
Prep Batch: 480-279710					
LCS 480-279710/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279710/2-A	Method Blank	T	Solid	5035	
480-92332-1	B7-AREA2-S1	T	Solid	5035	
480-92332-3	B10-AREA2-S2	T	Solid	5035	
480-92332-4	B10-AREA2-S3	T	Solid	5035	
480-92332-5	B11-AREA2-S1	T	Solid	5035	
480-92332-9	B13-AREA2-S1	T	Solid	5035	
480-92332-10	B13-AREA2-S2	T	Solid	5035	
480-92332-11	B-AREA2-DUP2	T	Solid	5035	
480-92332-14	B15-AREA2-S1	T	Solid	5035	
Analysis Batch:480-279815					
LCS 480-279840/1-A	Lab Control Sample	T	Solid	8260C	480-279840
MB 480-279840/2-A	Method Blank	T	Solid	8260C	480-279840
480-92332-6	B12-AREA2-S1	T	Solid	8260C	480-279840
480-92332-8	B12-AREA2-S3	T	Solid	8260C	480-279840
480-92332-10DL	B13-AREA2-S2	T	Solid	8260C	480-279840
480-92332-13	B14-AREA2-S2	T	Solid	8260C	480-279840
480-92332-17	B16-AREA2-S2	T	Solid	8260C	480-279840
480-92332-17MS	Matrix Spike	T	Solid	8260C	480-279840
480-92332-17MSD	Matrix Spike Duplicate	T	Solid	8260C	480-279840
480-92332-22	B28-AREA2-S1	T	Solid	8260C	480-279840
480-92332-24	B29-AREA2-S1	T	Solid	8260C	480-279840

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-279840					
LCS 480-279840/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279840/2-A	Method Blank	T	Solid	5035	
480-92332-6	B12-AREA2-S1	T	Solid	5035	
480-92332-8	B12-AREA2-S3	T	Solid	5035	
480-92332-10DL	B13-AREA2-S2	T	Solid	5035	
480-92332-13	B14-AREA2-S2	T	Solid	5035	
480-92332-17	B16-AREA2-S2	T	Solid	5035	
480-92332-17MS	Matrix Spike	T	Solid	5035	
480-92332-17MSD	Matrix Spike Duplicate	T	Solid	5035	
480-92332-22	B28-AREA2-S1	T	Solid	5035	
480-92332-24	B29-AREA2-S1	T	Solid	5035	
Prep Batch: 480-279980					
LCS 480-279980/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279980/2-A	Method Blank	T	Solid	5035	
480-92332-15	B15-AREA2-S2	T	Solid	5035	
480-92332-15MS	Matrix Spike	T	Solid	5035	
480-92332-15MSD	Matrix Spike Duplicate	T	Solid	5035	
480-92332-16	B16-AREA2-S1	T	Solid	5035	
480-92332-18	B17-AREA2-S1	T	Solid	5035	
480-92332-19	B17-AREA2-S2	T	Solid	5035	
480-92332-20	B27-AREA2-S1	T	Solid	5035	
480-92332-21	B27-AREA2-S2	T	Solid	5035	
480-92332-23	B28-AREA2-S2	T	Solid	5035	
480-92332-25	B29-AREA2-S2	T	Solid	5035	
480-92332-28	B31-AREA2-S1	T	Solid	5035	
Analysis Batch:480-279989					
LCS 480-279980/1-A	Lab Control Sample	T	Solid	8260C	480-279980
MB 480-279980/2-A	Method Blank	T	Solid	8260C	480-279980
480-92332-15	B15-AREA2-S2	T	Solid	8260C	480-279980
480-92332-15MS	Matrix Spike	T	Solid	8260C	480-279980
480-92332-15MSD	Matrix Spike Duplicate	T	Solid	8260C	480-279980
480-92332-16	B16-AREA2-S1	T	Solid	8260C	480-279980
480-92332-18	B17-AREA2-S1	T	Solid	8260C	480-279980
480-92332-19	B17-AREA2-S2	T	Solid	8260C	480-279980
480-92332-20	B27-AREA2-S1	T	Solid	8260C	480-279980
480-92332-21	B27-AREA2-S2	T	Solid	8260C	480-279980
480-92332-23	B28-AREA2-S2	T	Solid	8260C	480-279980
480-92332-25	B29-AREA2-S2	T	Solid	8260C	480-279980
480-92332-28	B31-AREA2-S1	T	Solid	8260C	480-279980

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-280169					
LCS 480-280169/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-280169/2-A	Method Blank	T	Solid	5035A	
480-92332-3DL	B10-AREA2-S2	T	Solid	5035A	
480-92332-5DL	B11-AREA2-S1	T	Solid	5035A	
480-92332-7	B12-AREA2-S2	T	Solid	5035A	
480-92332-9DL	B13-AREA2-S1	T	Solid	5035A	
480-92332-11DL	B-AREA2-DUP2	T	Solid	5035A	
480-92332-12	B14-AREA2-S1	T	Solid	5035A	
480-92332-14DL	B15-AREA2-S1	T	Solid	5035A	
480-92332-14MS	Matrix Spike	T	Solid	5035A	
480-92332-14MSD	Matrix Spike Duplicate	T	Solid	5035A	
Analysis Batch:480-280176					
LCS 480-280169/1-A	Lab Control Sample	T	Solid	8260C	480-280169
MB 480-280169/2-A	Method Blank	T	Solid	8260C	480-280169
Prep Batch: 480-280183					
LCS 480-280183/1-A	Lab Control Sample	T	Solid	5035	
MB 480-280183/2-A	Method Blank	T	Solid	5035	
480-92332-26	B30-AREA2-S1	T	Solid	5035	
480-92332-27	B30-AREA2-S2	T	Solid	5035	
480-92332-29	B31-AREA2-S2	T	Solid	5035	
480-92332-31	B35-AREA2-S2	T	Solid	5035	
Analysis Batch:480-280185					
LCS 480-280183/1-A	Lab Control Sample	T	Solid	8260C	480-280183
MB 480-280183/2-A	Method Blank	T	Solid	8260C	480-280183
480-92332-26	B30-AREA2-S1	T	Solid	8260C	480-280183
480-92332-27	B30-AREA2-S2	T	Solid	8260C	480-280183
480-92332-29	B31-AREA2-S2	T	Solid	8260C	480-280183
480-92332-31	B35-AREA2-S2	T	Solid	8260C	480-280183
Analysis Batch:480-280604					
LCS 480-280604/5	Lab Control Sample	T	Water	8260C	
MB 480-280604/7	Method Blank	T	Water	8260C	
480-92332-32	SB-RINSEBLANK3	T	Water	8260C	
Analysis Batch:480-280605					
LCS 480-280619/1-A	Lab Control Sample	T	Solid	8260C	480-280619
MB 480-280619/3-A	Method Blank	T	Solid	8260C	480-280619

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-280619					
LCS 480-280619/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-280619/3-A	Method Blank	T	Solid	5035A	
480-92332-28DL	B31-AREA2-S1	T	Solid	5035A	
480-92332-30	B35-AREA2-S1	T	Solid	5035A	
Analysis Batch:480-280696					
480-92332-3DL	B10-AREA2-S2	T	Solid	8260C	480-280169
480-92332-5DL	B11-AREA2-S1	T	Solid	8260C	480-280169
480-92332-7	B12-AREA2-S2	T	Solid	8260C	480-280169
480-92332-9DL	B13-AREA2-S1	T	Solid	8260C	480-280169
480-92332-11DL	B-AREA2-DUP2	T	Solid	8260C	480-280169
480-92332-14DL	B15-AREA2-S1	T	Solid	8260C	480-280169
480-92332-14MS	Matrix Spike	T	Solid	8260C	480-280169
480-92332-14MSD	Matrix Spike Duplicate	T	Solid	8260C	480-280169
Analysis Batch:480-280772					
480-92332-12	B14-AREA2-S1	T	Solid	8260C	480-280169
Analysis Batch:480-281000					
480-92332-28DL	B31-AREA2-S1	T	Solid	8260C	480-280619
480-92332-30	B35-AREA2-S1	T	Solid	8260C	480-280619
Analysis Batch:480-281166					
LCS 480-281171/1-A	Lab Control Sample	T	Solid	8260C	480-281171
MB 480-281171/2-A	Method Blank	T	Solid	8260C	480-281171
480-92332-24DL	B29-AREA2-S1	T	Solid	8260C	480-281171
480-92332-24MS	Matrix Spike	T	Solid	8260C	480-281171
480-92332-24MSD	Matrix Spike Duplicate	T	Solid	8260C	480-281171
Prep Batch: 480-281171					
LCS 480-281171/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-281171/2-A	Method Blank	T	Solid	5035A	
480-92332-24DL	B29-AREA2-S1	T	Solid	5035A	
480-92332-24MS	Matrix Spike	T	Solid	5035A	
480-92332-24MSD	Matrix Spike Duplicate	T	Solid	5035A	

Report Basis
T = Total

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-279510					
480-92332-1	B7-AREA2-S1	T	Solid	Moisture	
480-92332-2	B10-AREA2-S1	T	Solid	Moisture	
480-92332-3	B10-AREA2-S2	T	Solid	Moisture	
480-92332-4	B10-AREA2-S3	T	Solid	Moisture	
480-92332-5	B11-AREA2-S1	T	Solid	Moisture	
480-92332-6	B12-AREA2-S1	T	Solid	Moisture	
480-92332-7	B12-AREA2-S2	T	Solid	Moisture	
480-92332-8	B12-AREA2-S3	T	Solid	Moisture	
480-92332-9	B13-AREA2-S1	T	Solid	Moisture	
480-92332-10	B13-AREA2-S2	T	Solid	Moisture	
480-92332-11	B-AREA2-DUP2	T	Solid	Moisture	
480-92332-12	B14-AREA2-S1	T	Solid	Moisture	
480-92332-13	B14-AREA2-S2	T	Solid	Moisture	
480-92332-14	B15-AREA2-S1	T	Solid	Moisture	
480-92332-15	B15-AREA2-S2	T	Solid	Moisture	
480-92332-16	B16-AREA2-S1	T	Solid	Moisture	
480-92332-17	B16-AREA2-S2	T	Solid	Moisture	
480-92332-17MS	Matrix Spike	T	Solid	Moisture	
480-92332-17MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-92332-18	B17-AREA2-S1	T	Solid	Moisture	
480-92332-19	B17-AREA2-S2	T	Solid	Moisture	
480-92332-20	B27-AREA2-S1	T	Solid	Moisture	
480-92332-21	B27-AREA2-S2	T	Solid	Moisture	
480-92332-22	B28-AREA2-S1	T	Solid	Moisture	
480-92332-23	B28-AREA2-S2	T	Solid	Moisture	
480-92332-24	B29-AREA2-S1	T	Solid	Moisture	
480-92332-25	B29-AREA2-S2	T	Solid	Moisture	
480-92332-26	B30-AREA2-S1	T	Solid	Moisture	
480-92332-27	B30-AREA2-S2	T	Solid	Moisture	
480-92332-28	B31-AREA2-S1	T	Solid	Moisture	
480-92332-29	B31-AREA2-S2	T	Solid	Moisture	
480-92332-30	B35-AREA2-S1	T	Solid	Moisture	
480-92332-31	B35-AREA2-S2	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-1 **Client ID: B7-AREA2-S1**

Sample Date/Time: 12/07/2015 14:20 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-1-B		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-1-B		480-279691	480-279710	12/15/2015 02:53	1	TAL BUF	CDC
A:Moisture	480-92332-A-1		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-2 **Client ID: B10-AREA2-S1**

Sample Date/Time: 12/07/2015 13:35 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-2-A		480-279534	480-279590	12/12/2015 11:40	1	TAL BUF	CDC
A:8260C	480-92332-A-2-A		480-279534	480-279590	12/14/2015 18:47	1	TAL BUF	NMD1
A:Moisture	480-92332-A-2		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-3 **Client ID: B10-AREA2-S2**

Sample Date/Time: 12/07/2015 13:30 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-3-B		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-3-B		480-279691	480-279710	12/15/2015 03:21	1	TAL BUF	CDC
P:5035A	480-92332-A-3-C	DL	480-280696	480-280169	12/16/2015 18:02	10	TAL BUF	SWO
A:8260C	480-92332-A-3-C	DL	480-280696	480-280169	12/20/2015 18:53	10	TAL BUF	GTG
A:Moisture	480-92332-A-3		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-4 **Client ID: B10-AREA2-S3**

Sample Date/Time: 12/07/2015 13:55 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-4-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-4-A		480-279691	480-279710	12/15/2015 05:37	1	TAL BUF	CDC
A:Moisture	480-92332-A-4		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-5 **Client ID: B11-AREA2-S1**

Sample Date/Time: 12/07/2015 13:05 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-5-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-5-A		480-279691	480-279710	12/15/2015 06:04	1	TAL BUF	CDC
P:5035A	480-92332-A-5-C	DL	480-280696	480-280169	12/16/2015 18:02	4	TAL BUF	SWO
A:8260C	480-92332-A-5-C	DL	480-280696	480-280169	12/20/2015 19:16	4	TAL BUF	GTG
A:Moisture	480-92332-A-5		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-6 **Client ID: B12-AREA2-S1**

Sample Date/Time: 12/07/2015 08:45 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-6-B		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-6-B		480-279815	480-279840	12/15/2015 18:04	1	TAL BUF	CDC
A:Moisture	480-92332-A-6		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-7 **Client ID: B12-AREA2-S2**

Sample Date/Time: 12/07/2015 09:05 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92332-A-7-B		480-280696	480-280169	12/16/2015 18:02	10	TAL BUF	SWO
A:8260C	480-92332-A-7-B		480-280696	480-280169	12/20/2015 20:02	10	TAL BUF	GTG
A:Moisture	480-92332-A-7		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-8 **Client ID: B12-AREA2-S3**

Sample Date/Time: 12/07/2015 09:15 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-8-B		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-8-B		480-279815	480-279840	12/15/2015 18:31	1	TAL BUF	CDC
A:Moisture	480-92332-A-8		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-9 **Client ID: B13-AREA2-S1**

Sample Date/Time: 12/07/2015 09:40 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-9-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-9-A		480-279691	480-279710	12/15/2015 07:53	1	TAL BUF	CDC
P:5035A	480-92332-A-9-B	DL	480-280696	480-280169	12/16/2015 18:02	10	TAL BUF	SWO
A:8260C	480-92332-A-9-B	DL	480-280696	480-280169	12/20/2015 20:24	10	TAL BUF	GTG
A:Moisture	480-92332-A-9		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-10 **Client ID: B13-AREA2-S2**

Sample Date/Time: 12/07/2015 09:55 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-10-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-10-A		480-279691	480-279710	12/15/2015 08:21	1	TAL BUF	CDC
P:5035	480-92332-A-10-B	DL	480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-10-B	DL	480-279815	480-279840	12/15/2015 18:58	1	TAL BUF	CDC
A:Moisture	480-92332-A-10		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-11 **Client ID: B-AREA2-DUP2**

Sample Date/Time: 12/07/2015 10:00 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-11-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-11-A		480-279691	480-279710	12/15/2015 08:48	1	TAL BUF	CDC
P:5035A	480-92332-A-11-B	DL	480-280696	480-280169	12/16/2015 18:02	10	TAL BUF	SWO
A:8260C	480-92332-A-11-B	DL	480-280696	480-280169	12/20/2015 20:47	10	TAL BUF	GTG
A:Moisture	480-92332-A-11		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-12 **Client ID: B14-AREA2-S1**

Sample Date/Time: 12/07/2015 10:55 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92332-A-12-B		480-280772	480-280169	12/16/2015 18:02	5	TAL BUF	SWO
A:8260C	480-92332-A-12-B		480-280772	480-280169	12/21/2015 14:03	5	TAL BUF	GVF
A:Moisture	480-92332-A-12		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-13 **Client ID: B14-AREA2-S2**

Sample Date/Time: 12/07/2015 11:05 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-13-B		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-13-B		480-279815	480-279840	12/15/2015 19:26	1	TAL BUF	CDC
A:Moisture	480-92332-A-13		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-14 **Client ID: B15-AREA2-S1**

Sample Date/Time: 12/07/2015 10:15 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-14-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	480-92332-A-14-A		480-279691	480-279710	12/15/2015 10:10	1	TAL BUF	CDC
P:5035A	480-92332-A-14-B	DL	480-280696	480-280169	12/16/2015 18:02	10	TAL BUF	SWO
A:8260C	480-92332-A-14-B	DL	480-280696	480-280169	12/20/2015 21:33	10	TAL BUF	GTG
A:Moisture	480-92332-A-14		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-14 MS **Client ID: B15-AREA2-S1**

Sample Date/Time: 12/07/2015 10:15 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92332-A-14-E MS		480-280696	480-280169	12/16/2015 18:02	10	TAL BUF	SWO
A:8260C	480-92332-A-14-E MS		480-280696	480-280169	12/20/2015 21:56	10	TAL BUF	GTG

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-14 MSD **Client ID: B15-AREA2-S1**

Sample Date/Time: 12/07/2015 10:15 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92332-A-14-F MSD		480-280696	480-280169	12/16/2015 18:02	10	TAL BUF	SWO
A:8260C	480-92332-A-14-F MSD		480-280696	480-280169	12/20/2015 22:19	10	TAL BUF	GTG

Lab ID: 480-92332-15 **Client ID: B15-AREA2-S2**

Sample Date/Time: 12/07/2015 10:30 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-15-C		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-15-C		480-279989	480-279980	12/16/2015 12:52	1	TAL BUF	NMD1
A:Moisture	480-92332-A-15		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-15 MS **Client ID: B15-AREA2-S2**

Sample Date/Time: 12/07/2015 10:30 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-15-D MS		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-15-D MS		480-279989	480-279980	12/16/2015 19:13	1	TAL BUF	NMD1

Lab ID: 480-92332-15 MSD **Client ID: B15-AREA2-S2**

Sample Date/Time: 12/07/2015 10:30 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-15-E MSD		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-15-E MSD		480-279989	480-279980	12/16/2015 19:40	1	TAL BUF	NMD1

Lab ID: 480-92332-16 **Client ID: B16-AREA2-S1**

Sample Date/Time: 12/07/2015 11:30 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-16-B		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-16-B		480-279989	480-279980	12/16/2015 13:19	1	TAL BUF	NMD1
A:Moisture	480-92332-A-16		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-17 **Client ID: B16-AREA2-S2**

Sample Date/Time: 12/07/2015 11:40 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-17-G		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-17-G		480-279815	480-279840	12/15/2015 15:48	1	TAL BUF	CDC
A:Moisture	480-92332-A-17		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-17 **Client ID: B16-AREA2-S2**

Sample Date/Time: 12/07/2015 11:40 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-17-H MS		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-17-H MS		480-279815	480-279840	12/15/2015 16:15	1	TAL BUF	CDC
A:Moisture	480-92332-A-17 MS		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-17 **Client ID: B16-AREA2-S2**

Sample Date/Time: 12/07/2015 11:40 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-17-I MSD		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-17-I MSD		480-279815	480-279840	12/15/2015 16:42	1	TAL BUF	CDC
A:Moisture	480-92332-A-17 MSD		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-18 **Client ID: B17-AREA2-S1**

Sample Date/Time: 12/08/2015 13:10 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-18-B		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-18-B		480-279989	480-279980	12/16/2015 13:46	1	TAL BUF	NMD1
A:Moisture	480-92332-A-18		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-19 **Client ID: B17-AREA2-S2**

Sample Date/Time: 12/08/2015 13:20 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-19-B		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-19-B		480-279989	480-279980	12/16/2015 14:13	1	TAL BUF	NMD1
A:Moisture	480-92332-A-19		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-20 **Client ID: B27-AREA2-S1**

Sample Date/Time: 12/08/2015 15:10 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-20-B		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-20-B		480-279989	480-279980	12/16/2015 14:41	1	TAL BUF	NMD1
A:Moisture	480-92332-A-20		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-21 **Client ID: B27-AREA2-S2**

Sample Date/Time: 12/08/2015 15:15 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-21-B		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-21-B		480-279989	480-279980	12/16/2015 15:08	1	TAL BUF	NMD1
A:Moisture	480-92332-A-21		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-22 **Client ID: B28-AREA2-S1**

Sample Date/Time: 12/08/2015 10:55 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-22-A		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-22-A		480-279815	480-279840	12/15/2015 22:37	1	TAL BUF	CDC
A:Moisture	480-92332-A-22		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-23 **Client ID: B28-AREA2-S2**

Sample Date/Time: 12/08/2015 10:50 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-23-B		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-23-B		480-279989	480-279980	12/16/2015 15:35	1	TAL BUF	NMD1
A:Moisture	480-92332-A-23		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-24 **Client ID: B29-AREA2-S1**

Sample Date/Time: 12/08/2015 10:25 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-24-A		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	480-92332-A-24-A		480-279815	480-279840	12/15/2015 23:31	1	TAL BUF	CDC
P:5035A	480-92332-A-24-B	DL	480-281166	480-281171	12/22/2015 18:57	4	TAL BUF	SWO
A:8260C	480-92332-A-24-B	DL	480-281166	480-281171	12/22/2015 23:56	4	TAL BUF	GTG
A:Moisture	480-92332-A-24		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-24 MS **Client ID: B29-AREA2-S1**

Sample Date/Time: 12/08/2015 10:25 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92332-A-24-C MS		480-281166	480-281171	12/22/2015 18:57	4	TAL BUF	SWO
A:8260C	480-92332-A-24-C MS		480-281166	480-281171	12/23/2015 06:22	4	TAL BUF	GTG

Lab ID: 480-92332-24 MSD **Client ID: B29-AREA2-S1**

Sample Date/Time: 12/08/2015 10:25 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92332-A-24-D MSD		480-281166	480-281171	12/22/2015 18:57	4	TAL BUF	SWO
A:8260C	480-92332-A-24-D MSD		480-281166	480-281171	12/23/2015 06:45	4	TAL BUF	GTG

Lab ID: 480-92332-25 **Client ID: B29-AREA2-S2**

Sample Date/Time: 12/08/2015 10:30 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-25-A		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-25-A		480-279989	480-279980	12/16/2015 16:02	1	TAL BUF	NMD1
A:Moisture	480-92332-A-25		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-26 **Client ID: B30-AREA2-S1**

Sample Date/Time: 12/08/2015 15:40 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-26-B		480-280185	480-280183	12/16/2015 20:09	1	TAL BUF	NMD1
A:8260C	480-92332-A-26-B		480-280185	480-280183	12/17/2015 03:28	1	TAL BUF	CDC
A:Moisture	480-92332-A-26		480-279510		12/13/2015 23:04	1	TAL BUF	NMD1

Lab ID: 480-92332-27 **Client ID: B30-AREA2-S2**

Sample Date/Time: 12/08/2015 16:00 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-27-B		480-280185	480-280183	12/16/2015 20:09	1	TAL BUF	NMD1
A:8260C	480-92332-A-27-B		480-280185	480-280183	12/17/2015 03:56	1	TAL BUF	CDC
A:Moisture	480-92332-A-27		480-279510		12/13/2015 23:17	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92332-1

Laboratory Chronicle

Lab ID: 480-92332-28 **Client ID: B31-AREA2-S1**

Sample Date/Time: 12/08/2015 09:15 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-28-A		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	480-92332-A-28-A		480-279989	480-279980	12/16/2015 17:24	1	TAL BUF	NMD1
P:5035A	480-92332-A-28-C	DL	480-281000	480-280619	12/18/2015 20:44	2	TAL BUF	SWO
A:8260C	480-92332-A-28-C	DL	480-281000	480-280619	12/22/2015 18:16	2	TAL BUF	GTG
A:Moisture	480-92332-A-28		480-279510		12/13/2015 23:17	1	TAL BUF	NMD1

Lab ID: 480-92332-29 **Client ID: B31-AREA2-S2**

Sample Date/Time: 12/08/2015 09:35 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-29-B		480-280185	480-280183	12/16/2015 20:09	1	TAL BUF	NMD1
A:8260C	480-92332-A-29-B		480-280185	480-280183	12/17/2015 04:50	1	TAL BUF	CDC
A:Moisture	480-92332-A-29		480-279510		12/13/2015 23:17	1	TAL BUF	NMD1

Lab ID: 480-92332-30 **Client ID: B35-AREA2-S1**

Sample Date/Time: 12/08/2015 09:50 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92332-A-30-B		480-281000	480-280619	12/18/2015 20:44	10	TAL BUF	SWO
A:8260C	480-92332-A-30-B		480-281000	480-280619	12/22/2015 14:05	10	TAL BUF	GTG
A:Moisture	480-92332-A-30		480-279510		12/13/2015 23:17	1	TAL BUF	NMD1

Lab ID: 480-92332-31 **Client ID: B35-AREA2-S2**

Sample Date/Time: 12/08/2015 10:00 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92332-A-31-B		480-280185	480-280183	12/16/2015 20:09	1	TAL BUF	NMD1
A:8260C	480-92332-A-31-B		480-280185	480-280183	12/17/2015 05:18	1	TAL BUF	CDC
A:Moisture	480-92332-A-31		480-279510		12/13/2015 23:17	1	TAL BUF	NMD1

Lab ID: 480-92332-32 **Client ID: SB-RINSEBLANK3**

Sample Date/Time: 12/08/2015 14:30 Received Date/Time: 12/09/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-92332-A-32		480-280604		12/19/2015 02:01	1	TAL BUF	GVF
A:8260C	480-92332-A-32		480-280604		12/19/2015 02:01	1	TAL BUF	GVF

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 480-279590/2-A		480-279534	480-279590	12/14/2015 09:56	1	TAL BUF	CDC
A:8260C	MB 480-279590/2-A		480-279534	480-279590	12/14/2015 12:10	1	TAL BUF	NMD1
P:5035	MB 480-279710/2-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	MB 480-279710/2-A		480-279691	480-279710	12/15/2015 01:46	1	TAL BUF	CDC
P:5035	MB 480-279840/2-A		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	MB 480-279840/2-A		480-279815	480-279840	12/15/2015 14:36	1	TAL BUF	CDC
P:5035	MB 480-279980/2-A		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	MB 480-279980/2-A		480-279989	480-279980	12/16/2015 11:48	1	TAL BUF	NMD1
P:5035	MB 480-280183/2-A		480-280185	480-280183	12/16/2015 20:09	1	TAL BUF	NMD1
A:8260C	MB 480-280183/2-A		480-280185	480-280183	12/16/2015 22:49	1	TAL BUF	CDC
P:5035A	MB 480-280169/2-A		480-280176	480-280169	12/16/2015 18:02	1	TAL BUF	SWO
A:8260C	MB 480-280169/2-A		480-280176	480-280169	12/17/2015 01:07	1	TAL BUF	LCH
P:5030C	MB 480-280604/7		480-280604		12/19/2015 01:14	1	TAL BUF	GVF
A:8260C	MB 480-280604/7		480-280604		12/19/2015 01:14	1	TAL BUF	GVF
P:5035A	MB 480-280619/3-A		480-280605	480-280619	12/18/2015 20:44	1	TAL BUF	SWO
A:8260C	MB 480-280619/3-A		480-280605	480-280619	12/19/2015 01:36	1	TAL BUF	GVF
P:5035A	MB 480-281171/2-A		480-281166	480-281171	12/22/2015 18:57	1	TAL BUF	SWO
A:8260C	MB 480-281171/2-A		480-281166	480-281171	12/22/2015 22:56	1	TAL BUF	GTG

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 480-279590/1-A		480-279534	480-279590	12/14/2015 09:56	1	TAL BUF	CDC
A:8260C	LCS 480-279590/1-A		480-279534	480-279590	12/14/2015 11:15	1	TAL BUF	NMD1
P:5035	LCS 480-279710/1-A		480-279691	480-279710	12/14/2015 23:50	1	TAL BUF	NMD1
A:8260C	LCS 480-279710/1-A		480-279691	480-279710	12/15/2015 00:52	1	TAL BUF	CDC
P:5035	LCS 480-279840/1-A		480-279815	480-279840	12/15/2015 12:30	1	TAL BUF	CDC
A:8260C	LCS 480-279840/1-A		480-279815	480-279840	12/15/2015 13:42	1	TAL BUF	CDC
P:5035	LCS 480-279980/1-A		480-279989	480-279980	12/16/2015 08:13	1	TAL BUF	CDC
A:8260C	LCS 480-279980/1-A		480-279989	480-279980	12/16/2015 10:54	1	TAL BUF	NMD1
P:5035	LCS 480-280183/1-A		480-280185	480-280183	12/16/2015 20:09	1	TAL BUF	NMD1
A:8260C	LCS 480-280183/1-A		480-280185	480-280183	12/16/2015 21:54	1	TAL BUF	CDC
P:5035A	LCS 480-280169/1-A		480-280176	480-280169	12/16/2015 18:02	1	TAL BUF	SWO
A:8260C	LCS 480-280169/1-A		480-280176	480-280169	12/16/2015 23:36	1	TAL BUF	LCH
P:5035A	LCS 480-280619/1-A		480-280605	480-280619	12/18/2015 20:44	1	TAL BUF	SWO
A:8260C	LCS 480-280619/1-A		480-280605	480-280619	12/19/2015 00:27	1	TAL BUF	GVF
P:5030C	LCS 480-280604/5		480-280604		12/19/2015 00:28	1	TAL BUF	GVF
A:8260C	LCS 480-280604/5		480-280604		12/19/2015 00:28	1	TAL BUF	GVF
P:5035A	LCS 480-281171/1-A		480-281166	480-281171	12/22/2015 18:57	1	TAL BUF	SWO
A:8260C	LCS 480-281171/1-A		480-281166	480-281171	12/22/2015 22:11	1	TAL BUF	GTG

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-92332-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B7-AREA2-S1	480-92332-1	104	100	97
B10-AREA2-S1	480-92332-2	108	100	97
B10-AREA2-S2	480-92332-3	102	104	87
B10-AREA2-S3	480-92332-4	98	107	86
B11-AREA2-S1	480-92332-5	108	101	93
B12-AREA2-S1	480-92332-6	100	101	90
B12-AREA2-S3	480-92332-8	104	108	78
B13-AREA2-S1	480-92332-9	106	99	96
B13-AREA2-S2	480-92332-10	106	101	97
B13-AREA2-S2 DL	480-92332-10 DL	103	102	86
B-AREA2-DUP2	480-92332-11	104	109	82
B14-AREA2-S2	480-92332-13	103	107	78
B15-AREA2-S1	480-92332-14	104	102	77
B15-AREA2-S2	480-92332-15	108	122	47 X
B16-AREA2-S1	480-92332-16	108	101	95
B16-AREA2-S2	480-92332-17	105	120	68 X
B17-AREA2-S1	480-92332-18	106	139 X *	46 X *
B17-AREA2-S2	480-92332-19	105	126 X	59 X
B27-AREA2-S1	480-92332-20	107	100	86
B27-AREA2-S2	480-92332-21	113	102	81
B28-AREA2-S1	480-92332-22	107	99	95
B28-AREA2-S2	480-92332-23	126 *	106 *	31 X *
B29-AREA2-S1	480-92332-24	109	99	91
B29-AREA2-S2	480-92332-25	108	100	94
B30-AREA2-S1	480-92332-26	109	127 X	49 X
B30-AREA2-S2	480-92332-27	109	101	94
B31-AREA2-S1	480-92332-28	104	98	81
B31-AREA2-S2	480-92332-29	107	112	68 X
B35-AREA2-S2	480-92332-31	131 X *	87 *	21 X *
	MB 480-279590/2-A	105	101	100
	MB 480-279710/2-A	102	99	98
	MB 480-279840/2-A	103	100	97
	MB 480-279980/2-A	102	99	96

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
	MB 480-280183/2-A	104	99	97
	LCS 480-279590/1-A	109	104	101
	LCS 480-279710/1-A	105	100	99
	LCS 480-279840/1-A	104	101	97
	LCS 480-279980/1-A	105	100	97
	LCS 480-280183/1-A	104	101	95
B15-AREA2-S2 MS	480-92332-15 MS	93	102	93
B16-AREA2-S2 MS	480-92332-17 MS	90	114	73
B15-AREA2-S2 MSD	480-92332-15 MSD	96	100	92
B16-AREA2-S2 MSD	480-92332-17 MSD	89	105	85

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B10-AREA2-S2 DL	480-92332-3 DL	95	102	96
B11-AREA2-S1 DL	480-92332-5 DL	97	103	98
B12-AREA2-S2	480-92332-7	98	102	97
B13-AREA2-S1 DL	480-92332-9 DL	95	98	94
B-AREA2-DUP2 DL	480-92332-11 DL	96	101	94
B14-AREA2-S1	480-92332-12	97	101	97
B15-AREA2-S1 DL	480-92332-14 DL	97	101	93
B29-AREA2-S1 DL	480-92332-24 DL	92	97	93
B31-AREA2-S1 DL	480-92332-28 DL	92	98	91
B35-AREA2-S1	480-92332-30	89	100	94
	MB 480-280169/2-A	88	94	92
	MB 480-280619/3-A	96	101	97
	MB 480-281171/2-A	95	103	98
	LCS 480-280169/1-A	94	97	95
	LCS 480-280619/1-A	98	101	98
	LCS 480-281171/1-A	90	101	96
B15-AREA2-S1 MS	480-92332-14 MS	94	102	99
B29-AREA2-S1 MS	480-92332-24 MS	88	98	96
B15-AREA2-S1 MSD	480-92332-14 MSD	93	99	96
B29-AREA2-S1 MSD	480-92332-24 MSD	91	101	95

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB-RINSEBLANK3	480-92332-32	103	98	97
	MB 480-280604/7	98	97	96
	LCS 480-280604/5	99	100	98

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2322.D

Lab ID: LCS 480-279590/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.7	46.3	93	73-126	
1,1-Dichloroethene	49.7	45.7	92	59-125	
1,2-Dichlorobenzene	49.7	46.7	94	75-120	
1,2-Dichloroethane	49.7	44.0	88	77-122	
Benzene	49.7	44.2	89	79-127	
Chlorobenzene	49.7	46.5	93	76-124	
cis-1,2-Dichloroethene	49.7	45.7	92	81-117	
Ethylbenzene	49.7	48.2	97	80-120	
Methyl tert-butyl ether	49.7	46.8	94	63-125	
Tetrachloroethene	49.7	51.0	103	74-122	
Toluene	49.7	45.2	91	74-128	
trans-1,2-Dichloroethene	49.7	46.6	94	78-126	
Trichloroethene	49.7	45.8	92	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2348.D

Lab ID: LCS 480-279710/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	40.9	82	73-126	
1,1-Dichloroethene	50.0	40.4	81	59-125	
1,2-Dichlorobenzene	50.0	40.0	80	75-120	
1,2-Dichloroethane	50.0	40.1	80	77-122	
Benzene	50.0	41.8	84	79-127	
Chlorobenzene	50.0	40.5	81	76-124	
cis-1,2-Dichloroethene	50.0	41.2	82	81-117	
Ethylbenzene	50.0	41.7	83	80-120	
Methyl tert-butyl ether	50.0	40.9	82	63-125	
Tetrachloroethene	50.0	41.9	84	74-122	
Toluene	50.0	38.1	76	74-128	
trans-1,2-Dichloroethene	50.0	41.1	82	78-126	
Trichloroethene	50.0	41.1	82	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2374.D

Lab ID: LCS 480-279840/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.2	43.9	89	73-126	
1,1-Dichloroethene	49.2	42.7	87	59-125	
1,2-Dichlorobenzene	49.2	45.0	91	75-120	
1,2-Dichloroethane	49.2	44.0	89	77-122	
Benzene	49.2	45.0	92	79-127	
Chlorobenzene	49.2	45.2	92	76-124	
cis-1,2-Dichloroethene	49.2	44.6	91	81-117	
Ethylbenzene	49.2	45.7	93	80-120	
Methyl tert-butyl ether	49.2	44.8	91	63-125	
Tetrachloroethene	49.2	45.3	92	74-122	
Toluene	49.2	42.0	85	74-128	
trans-1,2-Dichloroethene	49.2	43.6	89	78-126	
Trichloroethene	49.2	44.4	90	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2402.D

Lab ID: LCS 480-279980/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	48.4	39.7	82	73-126	
1,1-Dichloroethene	48.4	37.5	77	59-125	
1,2-Dichlorobenzene	48.4	40.2	83	75-120	
1,2-Dichloroethane	48.4	41.1	85	77-122	
Benzene	48.4	40.0	83	79-127	
Chlorobenzene	48.4	40.0	82	76-124	
cis-1,2-Dichloroethene	48.4	40.0	83	81-117	
Ethylbenzene	48.4	40.2	83	80-120	
Methyl tert-butyl ether	48.4	42.7	88	63-125	
Tetrachloroethene	48.4	38.0	79	74-122	
Toluene	48.4	37.1	77	74-128	
trans-1,2-Dichloroethene	48.4	38.4	79	78-126	
Trichloroethene	48.4	39.0	80	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6163.D

Lab ID: LCS 480-280169/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2470	2060	84	78-121	
1,1-Dichloroethene	2470	1690	69	48-133	
1,2-Dichlorobenzene	2470	2400	97	78-125	
1,2-Dichloroethane	2470	2040	83	74-127	
Benzene	2470	2160	88	77-125	
Chlorobenzene	2470	2230	90	76-126	
cis-1,2-Dichloroethene	2470	2050	83	79-124	
Ethylbenzene	2470	2460	100	78-124	
Methyl tert-butyl ether	2470	2100	85	67-137	
Tetrachloroethene	2470	2370	96	73-133	
Toluene	2470	2380	96	75-124	
trans-1,2-Dichloroethene	2470	1930	78	74-129	
Trichloroethene	2470	2110	86	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2424.D

Lab ID: LCS 480-280183/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	47.0	44.1	94	73-126	
1,1-Dichloroethene	47.0	43.6	93	59-125	
1,2-Dichlorobenzene	47.0	43.1	92	75-120	
1,2-Dichloroethane	47.0	42.0	89	77-122	
Benzene	47.0	44.7	95	79-127	
Chlorobenzene	47.0	43.6	93	76-124	
cis-1,2-Dichloroethene	47.0	43.4	92	81-117	
Ethylbenzene	47.0	45.0	96	80-120	
Methyl tert-butyl ether	47.0	43.5	93	63-125	
Tetrachloroethene	47.0	44.9	96	74-122	
Toluene	47.0	41.5	88	74-128	
trans-1,2-Dichloroethene	47.0	44.3	94	78-126	
Trichloroethene	47.0	43.6	93	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Q7763.D

Lab ID: LCS 480-280604/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	26.3	105	71-129	
1,1-Dichloroethene	25.0	28.1	113	58-121	
1,2-Dichlorobenzene	25.0	24.7	99	80-124	
1,2-Dichloroethane	25.0	25.2	101	75-127	
Benzene	25.0	25.4	102	71-124	
Chlorobenzene	25.0	24.6	98	72-120	
cis-1,2-Dichloroethene	25.0	25.7	103	74-124	
Ethylbenzene	25.0	25.0	100	77-123	
Methyl tert-butyl ether	25.0	26.5	106	64-127	
Tetrachloroethene	25.0	25.5	102	74-122	
Toluene	25.0	25.4	102	80-122	
trans-1,2-Dichloroethene	25.0	26.3	105	73-127	
Trichloroethene	25.0	25.7	103	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6306.D

Lab ID: LCS 480-280619/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2490	2390	96	78-121	
1,1-Dichloroethene	2490	2260	91	48-133	
1,2-Dichlorobenzene	2490	2520	101	78-125	
1,2-Dichloroethane	2490	2250	90	74-127	
Benzene	2490	2410	97	77-125	
Chlorobenzene	2490	2360	95	76-126	
cis-1,2-Dichloroethene	2490	2300	93	79-124	
Ethylbenzene	2490	2660	107	78-124	
Methyl tert-butyl ether	2490	2320	93	67-137	
Tetrachloroethene	2490	2460	99	73-133	
Toluene	2490	2540	102	75-124	
trans-1,2-Dichloroethene	2490	2280	92	74-129	
Trichloroethene	2490	2330	93	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6483.D

Lab ID: LCS 480-281171/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2460	2090	85	78-121	
1,1-Dichloroethene	2460	1970	80	48-133	
1,2-Dichlorobenzene	2460	2340	95	78-125	
1,2-Dichloroethane	2460	1940	79	74-127	
Benzene	2460	2170	88	77-125	
Chlorobenzene	2460	2180	89	76-126	
cis-1,2-Dichloroethene	2460	2050	83	79-124	
Ethylbenzene	2460	2410	98	78-124	
Methyl tert-butyl ether	2460	2020	82	67-137	
Tetrachloroethene	2460	2210	90	73-133	
Toluene	2460	2340	95	75-124	
trans-1,2-Dichloroethene	2460	2040	83	74-129	
Trichloroethene	2460	2080	85	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6385.D

Lab ID: 480-92332-14 MS Client ID: B15-AREA2-S1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2660	ND	2240	84	82-138	
1,1-Dichloroethene	2660	ND	1290	49	50-147	F1
1,2-Dichlorobenzene	2660	ND	2530	95	80-132	
1,2-Dichloroethane	2660	ND	2340	88	78-129	
Benzene	2660	ND	2440	92	77-125	
Chlorobenzene	2660	ND	2400	90	76-126	
cis-1,2-Dichloroethene	2660	ND	2830	106	79-124	
Ethylbenzene	2660	670 J	3330	100	78-124	
Methyl tert-butyl ether	2660	ND	2090	79	67-137	
Tetrachloroethene	2660	39000	53500	554	73-133	4
Toluene	2660	ND	2680	101	75-124	
trans-1,2-Dichloroethene	2660	ND	2150	81	74-129	
Trichloroethene	2660	2900	7310	167	75-131	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2419.D

Lab ID: 480-92332-15 MS Client ID: B15-AREA2-S2 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	53.6	ND	34.7	65	73-126	F1
1,1-Dichloroethene	53.6	ND	32.1	60	59-125	
1,2-Dichlorobenzene	53.6	ND	15.8	29	75-120	F1
1,2-Dichloroethane	53.6	ND	31.3	58	77-122	F1
Benzene	53.6	ND	33.2	62	79-127	F1
Chlorobenzene	53.6	ND	25.1	47	76-124	F1
cis-1,2-Dichloroethene	53.6	ND	33.0	61	81-117	F1
Ethylbenzene	53.6	ND	23.8	44	80-120	F1
Methyl tert-butyl ether	53.6	ND	34.6	65	63-125	
Tetrachloroethene	53.6	5.0 J	29.4	45	74-122	F1
Toluene	53.6	0.61 J	27.2	50	74-128	F1
trans-1,2-Dichloroethene	53.6	ND	30.0	56	78-126	F1
Trichloroethene	53.6	ND	27.6	51	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2378.D

Lab ID: 480-92332-17 MS Client ID: B16-AREA2-S2 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	63.5	ND	52.1	82	73-126	
1,1-Dichloroethene	63.5	ND	49.1	77	59-125	
1,2-Dichlorobenzene	63.5	ND	42.1	66	75-120	F1
1,2-Dichloroethane	63.5	ND	41.0	65	77-122	F1
Benzene	63.5	ND	49.9	79	79-127	
Chlorobenzene	63.5	ND	44.0	69	76-124	F1
cis-1,2-Dichloroethene	63.5	1.0 J	48.4	75	81-117	F1
Ethylbenzene	63.5	ND	47.0	74	80-120	F1
Methyl tert-butyl ether	63.5	ND	47.6	75	63-125	
Tetrachloroethene	63.5	ND	53.0	83	74-122	
Toluene	63.5	ND	50.9	80	74-128	
trans-1,2-Dichloroethene	63.5	ND	47.3	74	78-126	F1
Trichloroethene	63.5	ND	43.5	68	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6504.D

Lab ID: 480-92332-24 MS Client ID: B29-AREA2-S1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2690	ND	2500	93	82-138	
1,1-Dichloroethene	2690	ND	2220	83	50-147	
1,2-Dichlorobenzene	2690	ND	2510	93	80-132	
1,2-Dichloroethane	2690	ND	2280	85	78-129	
Benzene	2690	ND	2510	93	77-125	
Chlorobenzene	2690	ND	2460	92	76-126	
cis-1,2-Dichloroethene	2690	ND	2630	98	79-124	
Ethylbenzene	2690	410 J	3330	108	78-124	
Methyl tert-butyl ether	2690	ND	2380	88	67-137	
Tetrachloroethene	2690	31000	52200	773	73-133	E 4
Toluene	2690	120 J	2870	102	75-124	
trans-1,2-Dichloroethene	2690	ND	2350	87	74-129	
Trichloroethene	2690	18000	28000	381	75-131	4

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6386.D

Lab ID: 480-92332-14 MSD Client ID: B15-AREA2-S1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	2650	2090	79	7	20	82-138	F1
1,1-Dichloroethene	2650	1500	57	15	20	50-147	
1,2-Dichlorobenzene	2650	2460	93	3	20	80-132	
1,2-Dichloroethane	2650	2170	82	7	20	78-129	
Benzene	2650	2240	85	9	20	77-125	
Chlorobenzene	2650	2560	97	6	20	76-126	
cis-1,2-Dichloroethene	2650	2800	106	1	20	79-124	
Ethylbenzene	2650	4110	130	21	20	78-124	F1 F2
Methyl tert-butyl ether	2650	2010	76	4	20	67-137	
Tetrachloroethene	2650	83300	1685	44	20	73-133	4 F2
Toluene	2650	2580	98	4	20	75-124	
trans-1,2-Dichloroethene	2650	1980	75	8	20	74-129	
Trichloroethene	2650	8190	201	11	20	75-131	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2420.D

Lab ID: 480-92332-15 MSD Client ID: B15-AREA2-S2 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	52.9	31.5	60	10	30	73-126	F1
1,1-Dichloroethene	52.9	27.6	52	15	30	59-125	F1
1,2-Dichlorobenzene	52.9	8.44	16	61	30	75-120	F1 F2
1,2-Dichloroethane	52.9	29.0	55	8	30	77-122	F1
Benzene	52.9	29.1	55	13	30	79-127	F1
Chlorobenzene	52.9	16.9	32	39	30	76-124	F1 F2
cis-1,2-Dichloroethene	52.9	29.5	56	11	30	81-117	F1
Ethylbenzene	52.9	14.5	27	48	30	80-120	F1 F2
Methyl tert-butyl ether	52.9	35.6	67	3	30	63-125	
Tetrachloroethene	52.9	20.1	29	37	30	74-122	F1 F2
Toluene	52.9	20.8	38	27	30	74-128	F1
trans-1,2-Dichloroethene	52.9	24.8	47	19	30	78-126	F1
Trichloroethene	52.9	20.8	39	28	30	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2379.D

Lab ID: 480-92332-17 MSD Client ID: B16-AREA2-S2 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	64.3	46.7	73	11	30	73-126	
1,1-Dichloroethene	64.3	43.4	68	12	30	59-125	
1,2-Dichlorobenzene	64.3	26.2	41	47	30	75-120	F1 F2
1,2-Dichloroethane	64.3	37.1	58	10	30	77-122	F1
Benzene	64.3	43.5	68	14	30	79-127	F1
Chlorobenzene	64.3	33.5	52	27	30	76-124	F1
cis-1,2-Dichloroethene	64.3	42.4	64	13	30	81-117	F1
Ethylbenzene	64.3	35.6	55	28	30	80-120	F1
Methyl tert-butyl ether	64.3	48.4	75	2	30	63-125	
Tetrachloroethene	64.3	38.5	60	32	30	74-122	F1 F2
Toluene	64.3	38.1	59	29	30	74-128	F1
trans-1,2-Dichloroethene	64.3	40.5	63	15	30	78-126	F1
Trichloroethene	64.3	35.5	55	20	30	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: S6505.D

Lab ID: 480-92332-24 MSD Client ID: B29-AREA2-S1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	2670	2690	101	7	20	82-138	
1,1-Dichloroethene	2670	2290	86	3	20	50-147	
1,2-Dichlorobenzene	2670	2700	101	7	20	80-132	
1,2-Dichloroethane	2670	2370	89	4	20	78-129	
Benzene	2670	2760	103	9	20	77-125	
Chlorobenzene	2670	2700	101	9	20	76-126	
cis-1,2-Dichloroethene	2670	2750	103	5	20	79-124	
Ethylbenzene	2670	3690	123	10	20	78-124	
Methyl tert-butyl ether	2670	2580	97	8	20	67-137	
Tetrachloroethene	2670	62000	1148	17	20	73-133	E 4
Toluene	2670	3110	112	8	20	75-124	
trans-1,2-Dichloroethene	2670	2560	96	8	20	74-129	
Trichloroethene	2670	32100	539	14	20	75-131	4

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2324.D Lab Sample ID: MB 480-279590/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/14/2015 12:10

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279590/1-A	P2322.D	12/14/2015 11:15
B10-AREA2-S1	480-92332-2	P2336.D	12/14/2015 18:47

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2350.D Lab Sample ID: MB 480-279710/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/15/2015 01:46

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279710/1-A	P2348.D	12/15/2015 00:52
B7-AREA2-S1	480-92332-1	P2352.D	12/15/2015 02:53
B10-AREA2-S2	480-92332-3	P2353.D	12/15/2015 03:21
B10-AREA2-S3	480-92332-4	P2358.D	12/15/2015 05:37
B11-AREA2-S1	480-92332-5	P2359.D	12/15/2015 06:04
B13-AREA2-S1	480-92332-9	P2363.D	12/15/2015 07:53
B13-AREA2-S2	480-92332-10	P2364.D	12/15/2015 08:21
B-AREA2-DUP2	480-92332-11	P2365.D	12/15/2015 08:48
B15-AREA2-S1	480-92332-14	P2368.D	12/15/2015 10:10

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2376.D Lab Sample ID: MB 480-279840/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/15/2015 14:36

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279840/1-A	P2374.D	12/15/2015 13:42
B16-AREA2-S2	480-92332-17	P2377.D	12/15/2015 15:48
B16-AREA2-S2 MS	480-92332-17 MS	P2378.D	12/15/2015 16:15
B16-AREA2-S2 MSD	480-92332-17 MSD	P2379.D	12/15/2015 16:42
B12-AREA2-S1	480-92332-6	P2382.D	12/15/2015 18:04
B12-AREA2-S3	480-92332-8	P2383.D	12/15/2015 18:31
B13-AREA2-S2 DL	480-92332-10 DL	P2384.D	12/15/2015 18:58
B14-AREA2-S2	480-92332-13	P2385.D	12/15/2015 19:26
B28-AREA2-S1	480-92332-22	P2392.D	12/15/2015 22:37
B29-AREA2-S1	480-92332-24	P2394.D	12/15/2015 23:31

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2404.D Lab Sample ID: MB 480-279980/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/16/2015 11:48

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279980/1-A	P2402.D	12/16/2015 10:54
B15-AREA2-S2	480-92332-15	P2405.D	12/16/2015 12:52
B16-AREA2-S1	480-92332-16	P2406.D	12/16/2015 13:19
B17-AREA2-S1	480-92332-18	P2407.D	12/16/2015 13:46
B17-AREA2-S2	480-92332-19	P2408.D	12/16/2015 14:13
B27-AREA2-S1	480-92332-20	P2409.D	12/16/2015 14:41
B27-AREA2-S2	480-92332-21	P2410.D	12/16/2015 15:08
B28-AREA2-S2	480-92332-23	P2411.D	12/16/2015 15:35
B29-AREA2-S2	480-92332-25	P2412.D	12/16/2015 16:02
B31-AREA2-S1	480-92332-28	P2415.D	12/16/2015 17:24
B15-AREA2-S2 MS	480-92332-15 MS	P2419.D	12/16/2015 19:13
B15-AREA2-S2 MSD	480-92332-15 MSD	P2420.D	12/16/2015 19:40

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6201.D Lab Sample ID: MB 480-280169/2-A

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

Instrument ID: HP5973S Date Analyzed: 12/17/2015 01:07

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280169/1-A	S6163.D	12/16/2015 23:36
B10-AREA2-S2 DL	480-92332-3 DL	S6377.D	12/20/2015 18:53
B11-AREA2-S1 DL	480-92332-5 DL	S6378.D	12/20/2015 19:16
B12-AREA2-S2	480-92332-7	S6380.D	12/20/2015 20:02
B13-AREA2-S1 DL	480-92332-9 DL	S6381.D	12/20/2015 20:24
B-AREA2-DUP2 DL	480-92332-11 DL	S6382.D	12/20/2015 20:47
B15-AREA2-S1 DL	480-92332-14 DL	S6384.D	12/20/2015 21:33
B15-AREA2-S1 MS	480-92332-14 MS	S6385.D	12/20/2015 21:56
B15-AREA2-S1 MSD	480-92332-14 MSD	S6386.D	12/20/2015 22:19
B14-AREA2-S1	480-92332-12	S6399.D	12/21/2015 14:03

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2426.D Lab Sample ID: MB 480-280183/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/16/2015 22:49

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280183/1-A	P2424.D	12/16/2015 21:54
B30-AREA2-S1	480-92332-26	P2435.D	12/17/2015 03:28
B30-AREA2-S2	480-92332-27	P2436.D	12/17/2015 03:56
B31-AREA2-S2	480-92332-29	P2438.D	12/17/2015 04:50
B35-AREA2-S2	480-92332-31	P2439.D	12/17/2015 05:18

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6309.D Lab Sample ID: MB 480-280619/3-A

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

Instrument ID: HP5973S Date Analyzed: 12/19/2015 01:36

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280619/1-A	S6306.D	12/19/2015 00:27
B35-AREA2-S1	480-92332-30	S6461.D	12/22/2015 14:05
B31-AREA2-S1 DL	480-92332-28 DL	S6472.D	12/22/2015 18:16

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: Q7765.D Lab Sample ID: MB 480-280604/7

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

Instrument ID: HP5973Q Date Analyzed: 12/19/2015 01:14

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280604/5	Q7763.D	12/19/2015 00:28
SB-RINSEBLANK3	480-92332-32	Q7767.D	12/19/2015 02:01

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6485.D Lab Sample ID: MB 480-281171/2-A

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

Instrument ID: HP5973S Date Analyzed: 12/22/2015 22:56

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-281171/1-A	S6483.D	12/22/2015 22:11
B29-AREA2-S1 DL	480-92332-24 DL	S6487.D	12/22/2015 23:56
B29-AREA2-S1 MS	480-92332-24 MS	S6504.D	12/23/2015 06:22
B29-AREA2-S1 MSD	480-92332-24 MSD	S6505.D	12/23/2015 06:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P1875.D BFB Injection Date: 12/02/2015

Instrument ID: HP5973P BFB Injection Time: 00:49

Analysis Batch No.: 277678

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.9	
75	30.0 - 60.0 % of mass 95	51.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.0	
175	5.0 - 9.0 % of mass 174	6.2	(7.6) 1
176	95.0 - 101.0 % of mass 174	79.8	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-277678/3	P1877.D	12/02/2015	01:45
	IC 480-277678/4	P1878.D	12/02/2015	02:13
	IC 480-277678/5	P1879.D	12/02/2015	02:40
	IC 480-277678/6	P1880.D	12/02/2015	03:07
	ICIS 480-277678/7	P1881.D	12/02/2015	03:34
	IC 480-277678/8	P1882.D	12/02/2015	04:01
	IC 480-277678/9	P1883.D	12/02/2015	04:29

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2319.D BFB Injection Date: 12/14/2015

Instrument ID: HP5973P BFB Injection Time: 09:36

Analysis Batch No.: 279534

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.4	
75	30.0 - 60.0 % of mass 95	51.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	84.3	
175	5.0 - 9.0 % of mass 174	6.7	(8.0) 1
176	95.0 - 101.0 % of mass 174	82.6	(97.9) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279534/4	P2320.D	12/14/2015	10:09
	LCS 480-279590/1-A	P2322.D	12/14/2015	11:15
	MB 480-279590/2-A	P2324.D	12/14/2015	12:10
B10-AREA2-S1	480-92332-2	P2336.D	12/14/2015	18:47

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2345.D BFB Injection Date: 12/14/2015

Instrument ID: HP5973P BFB Injection Time: 23:14

Analysis Batch No.: 279691

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.2	
75	30.0 - 60.0 % of mass 95	50.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	81.3	
175	5.0 - 9.0 % of mass 174	6.1	(7.5) 1
176	95.0 - 101.0 % of mass 174	78.6	(96.8) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279691/3	P2346.D	12/14/2015	23:57
	LCS 480-279710/1-A	P2348.D	12/15/2015	00:52
	MB 480-279710/2-A	P2350.D	12/15/2015	01:46
B7-AREA2-S1	480-92332-1	P2352.D	12/15/2015	02:53
B10-AREA2-S2	480-92332-3	P2353.D	12/15/2015	03:21
B10-AREA2-S3	480-92332-4	P2358.D	12/15/2015	05:37
B11-AREA2-S1	480-92332-5	P2359.D	12/15/2015	06:04
B13-AREA2-S1	480-92332-9	P2363.D	12/15/2015	07:53
B13-AREA2-S2	480-92332-10	P2364.D	12/15/2015	08:21
B-AREA2-DUP2	480-92332-11	P2365.D	12/15/2015	08:48
B15-AREA2-S1	480-92332-14	P2368.D	12/15/2015	10:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2371.D BFB Injection Date: 12/15/2015

Instrument ID: HP5973P BFB Injection Time: 11:52

Analysis Batch No.: 279815

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.6	
75	30.0 - 60.0 % of mass 95	50.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.3	
173	Less than 2.0 % of mass 174	0.4	(0.6) 1
174	50.0 - 120.00 % of mass 95	80.1	
175	5.0 - 9.0 % of mass 174	6.3	(7.9) 1
176	95.0 - 101.0 % of mass 174	77.8	(97.1) 1
177	5.0 - 9.0 % of mass 176	5.6	(7.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279815/2	P2372.D	12/15/2015	12:22
	LCS 480-279840/1-A	P2374.D	12/15/2015	13:42
	MB 480-279840/2-A	P2376.D	12/15/2015	14:36
B16-AREA2-S2	480-92332-17	P2377.D	12/15/2015	15:48
B16-AREA2-S2 MS	480-92332-17 MS	P2378.D	12/15/2015	16:15
B16-AREA2-S2 MSD	480-92332-17 MSD	P2379.D	12/15/2015	16:42
B12-AREA2-S1	480-92332-6	P2382.D	12/15/2015	18:04
B12-AREA2-S3	480-92332-8	P2383.D	12/15/2015	18:31
B13-AREA2-S2 DL	480-92332-10 DL	P2384.D	12/15/2015	18:58
B14-AREA2-S2	480-92332-13	P2385.D	12/15/2015	19:26
B28-AREA2-S1	480-92332-22	P2392.D	12/15/2015	22:37
B29-AREA2-S1	480-92332-24	P2394.D	12/15/2015	23:31

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2399.D BFB Injection Date: 12/16/2015

Instrument ID: HP5973P BFB Injection Time: 09:03

Analysis Batch No.: 279989

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.4	
75	30.0 - 60.0 % of mass 95	51.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.8	
173	Less than 2.0 % of mass 174	0.8	(1.0) 1
174	50.0 - 120.00 % of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	5.7	(7.0) 1
176	95.0 - 101.0 % of mass 174	81.4	(98.8) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279989/3	P2400.D	12/16/2015	09:33
	LCS 480-279980/1-A	P2402.D	12/16/2015	10:54
	MB 480-279980/2-A	P2404.D	12/16/2015	11:48
B15-AREA2-S2	480-92332-15	P2405.D	12/16/2015	12:52
B16-AREA2-S1	480-92332-16	P2406.D	12/16/2015	13:19
B17-AREA2-S1	480-92332-18	P2407.D	12/16/2015	13:46
B17-AREA2-S2	480-92332-19	P2408.D	12/16/2015	14:13
B27-AREA2-S1	480-92332-20	P2409.D	12/16/2015	14:41
B27-AREA2-S2	480-92332-21	P2410.D	12/16/2015	15:08
B28-AREA2-S2	480-92332-23	P2411.D	12/16/2015	15:35
B29-AREA2-S2	480-92332-25	P2412.D	12/16/2015	16:02
B31-AREA2-S1	480-92332-28	P2415.D	12/16/2015	17:24
B15-AREA2-S2 MS	480-92332-15 MS	P2419.D	12/16/2015	19:13
B15-AREA2-S2 MSD	480-92332-15 MSD	P2420.D	12/16/2015	19:40

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: P2421.D BFB Injection Date: 12/16/2015

Instrument ID: HP5973P BFB Injection Time: 20:17

Analysis Batch No.: 280185

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.1	
75	30.0 - 60.0 % of mass 95	50.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.3	(0.3) 1
174	50.0 - 120.00 % of mass 95	82.9	
175	5.0 - 9.0 % of mass 174	6.7	(8.0) 1
176	95.0 - 101.0 % of mass 174	79.8	(96.3) 1
177	5.0 - 9.0 % of mass 176	6.1	(7.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280185/3	P2422.D	12/16/2015	20:45
	LCS 480-280183/1-A	P2424.D	12/16/2015	21:54
	MB 480-280183/2-A	P2426.D	12/16/2015	22:49
B30-AREA2-S1	480-92332-26	P2435.D	12/17/2015	03:28
B30-AREA2-S2	480-92332-27	P2436.D	12/17/2015	03:56
B31-AREA2-S2	480-92332-29	P2438.D	12/17/2015	04:50
B35-AREA2-S2	480-92332-31	P2439.D	12/17/2015	05:18

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: Q7632.D BFB Injection Date: 12/15/2015

Instrument ID: HP5973Q BFB Injection Time: 22:50

Analysis Batch No.: 279905

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.0	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	94.2	
175	5.0 - 9.0 % of mass 174	7.0	(7.5) 1
176	95.0 - 101.0 % of mass 174	90.0	(95.5) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-279905/5	Q7634.D	12/16/2015	00:00
	IC 480-279905/6	Q7635.D	12/16/2015	00:23
	IC 480-279905/7	Q7636.D	12/16/2015	00:47
	IC 480-279905/8	Q7637.D	12/16/2015	01:10
	IC 480-279905/9	Q7638.D	12/16/2015	01:33
	ICIS 480-279905/10	Q7639.D	12/16/2015	01:57
	IC 480-279905/11	Q7640.D	12/16/2015	02:20
	IC 480-279905/12	Q7641.D	12/16/2015	02:44

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: Q7760.D BFB Injection Date: 12/18/2015

Instrument ID: HP5973Q BFB Injection Time: 23:10

Analysis Batch No.: 280604

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.2	
75	30.0 - 60.0 % of mass 95	45.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	94.2	
175	5.0 - 9.0 % of mass 174	7.2	(7.6) 1
176	95.0 - 101.0 % of mass 174	93.1	(98.8) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280604/3	Q7761.D	12/18/2015	23:40
	LCS 480-280604/5	Q7763.D	12/19/2015	00:28
	MB 480-280604/7	Q7765.D	12/19/2015	01:14
SB-RINSEBLANK3	480-92332-32	Q7767.D	12/19/2015	02:01

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S5792.D BFB Injection Date: 12/07/2015

Instrument ID: HP5973S BFB Injection Time: 13:03

Analysis Batch No.: 278464

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.6	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	5.8	(6.4) 1
176	95.0 - 101.0 % of mass 174	86.0	(95.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-278464/5	S5794.D	12/07/2015	13:52
	IC 480-278464/7	S5796.D	12/07/2015	14:38
	IC 480-278464/8	S5797.D	12/07/2015	15:01
	ICIS 480-278464/9	S5798.D	12/07/2015	15:24
	IC 480-278464/10	S5799.D	12/07/2015	15:47
	IC 480-278464/11	S5800.D	12/07/2015	16:09
	IC 480-278464/13	S5802.D	12/07/2015	16:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6159.D BFB Injection Date: 12/16/2015

Instrument ID: HP5973S BFB Injection Time: 21:01

Analysis Batch No.: 280176

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	30.7	
75	30.0 - 60.0 % of mass 95	52.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	79.3	
175	5.0 - 9.0 % of mass 174	6.8	(8.6) 1
176	95.0 - 101.0 % of mass 174	75.6	(95.2) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280176/3	S6160.D	12/16/2015	21:40
	CCV 480-280176/4	S6161.D	12/16/2015	22:50
	LCS 480-280169/1-A	S6163.D	12/16/2015	23:36
	MB 480-280169/2-A	S6201.D	12/17/2015	01:07

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6302.D BFB Injection Date: 12/18/2015

Instrument ID: HP5973S BFB Injection Time: 21:47

Analysis Batch No.: 280605

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.8	
75	30.0 - 60.0 % of mass 95	51.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	81.9	
175	5.0 - 9.0 % of mass 174	6.9	(8.5) 1
176	95.0 - 101.0 % of mass 174	79.9	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280605/2	S6303.D	12/18/2015	23:19
	CCV 480-280605/3	S6304.D	12/18/2015	23:42
	LCS 480-280619/1-A	S6306.D	12/19/2015	00:27
	MB 480-280619/3-A	S6309.D	12/19/2015	01:36

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6359.D BFB Injection Date: 12/20/2015

Instrument ID: HP5973S BFB Injection Time: 11:52

Analysis Batch No.: 280696

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.0	
75	30.0 - 60.0 % of mass 95	52.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.9	
175	5.0 - 9.0 % of mass 174	6.3	(7.8) 1
176	95.0 - 101.0 % of mass 174	77.7	(96.1) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280696/3	S6360.D	12/20/2015	12:18
	CCV 480-280696/4	S6361.D	12/20/2015	12:41
B10-AREA2-S2 DL	480-92332-3 DL	S6377.D	12/20/2015	18:53
B11-AREA2-S1 DL	480-92332-5 DL	S6378.D	12/20/2015	19:16
B12-AREA2-S2	480-92332-7	S6380.D	12/20/2015	20:02
B13-AREA2-S1 DL	480-92332-9 DL	S6381.D	12/20/2015	20:24
B-AREA2-DUP2 DL	480-92332-11 DL	S6382.D	12/20/2015	20:47
B15-AREA2-S1 DL	480-92332-14 DL	S6384.D	12/20/2015	21:33
B15-AREA2-S1 MS	480-92332-14 MS	S6385.D	12/20/2015	21:56
B15-AREA2-S1 MSD	480-92332-14 MSD	S6386.D	12/20/2015	22:19

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6390.D BFB Injection Date: 12/21/2015

Instrument ID: HP5973S BFB Injection Time: 09:57

Analysis Batch No.: 280772

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	30.2	
75	30.0 - 60.0 % of mass 95	52.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	76.0	
175	5.0 - 9.0 % of mass 174	6.8	(8.9) 1
176	95.0 - 101.0 % of mass 174	74.8	(98.4) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280772/3	S6391.D	12/21/2015	10:27
B14-AREA2-S1	480-92332-12	S6399.D	12/21/2015	14:03

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6452.D BFB Injection Date: 12/22/2015

Instrument ID: HP5973S BFB Injection Time: 10:30

Analysis Batch No.: 281000

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.7	
75	30.0 - 60.0 % of mass 95	52.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	78.5	
175	5.0 - 9.0 % of mass 174	6.5	(8.3) 1
176	95.0 - 101.0 % of mass 174	76.6	(97.6) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-281000/3	S6453.D	12/22/2015	10:55
B35-AREA2-S1	480-92332-30	S6461.D	12/22/2015	14:05
B31-AREA2-S1 DL	480-92332-28 DL	S6472.D	12/22/2015	18:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab File ID: S6480.D BFB Injection Date: 12/22/2015

Instrument ID: HP5973S BFB Injection Time: 20:55

Analysis Batch No.: 281166

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.1	
75	30.0 - 60.0 % of mass 95	53.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	79.6	
175	5.0 - 9.0 % of mass 174	6.8	(8.6) 1
176	95.0 - 101.0 % of mass 174	76.5	(96.1) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-281166/3	S6481.D	12/22/2015	21:26
	LCS 480-281171/1-A	S6483.D	12/22/2015	22:11
	MB 480-281171/2-A	S6485.D	12/22/2015	22:56
B29-AREA2-S1 DL	480-92332-24 DL	S6487.D	12/22/2015	23:56
B29-AREA2-S1 MS	480-92332-24 MS	S6504.D	12/23/2015	06:22
B29-AREA2-S1 MSD	480-92332-24 MSD	S6505.D	12/23/2015	06:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: ICIS 480-277678/7 Date Analyzed: 12/02/2015 03:34

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P1881.D Heated Purge: (Y/N) Y

Calibration ID: 25715

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		450081	9.90	946915	13.84	877240	16.83
UPPER LIMIT		900162	10.40	1893830	14.34	1754480	17.33
LOWER LIMIT		225041	9.40	473458	13.34	438620	16.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-279534/4		287909	9.90	598455	13.84	565495	16.82
CCVIS 480-279691/3		312745	9.89	622572	13.84	570368	16.82
CCVIS 480-279815/2		342178	9.89	693252	13.84	656014	16.82
CCVIS 480-279989/3		345053	9.89	710796	13.84	675679	16.82
CCVIS 480-280185/3		351669	9.89	721382	13.84	666436	16.82

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-279534/4 Date Analyzed: 12/14/2015 10:09

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2320.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		287909	9.90	598455	13.84	565495	16.82
UPPER LIMIT		575818	10.40	1196910	14.34	1130990	17.32
LOWER LIMIT		143955	9.40	299228	13.34	282748	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279590/1-A		330336	9.91	667238	13.84	627989	16.83
MB 480-279590/2-A		309794	9.90	645732	13.84	646359	16.83
480-92332-2	B10-AREA2-S1	293280	9.91	608087	13.84	577029	16.83

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-279691/3 Date Analyzed: 12/14/2015 23:57

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2346.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		312745	9.89	622572	13.84	570368	16.82
UPPER LIMIT		625490	10.39	1245144	14.34	1140736	17.32
LOWER LIMIT		156373	9.39	311286	13.34	285184	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279710/1-A		326550	9.90	678129	13.84	628240	16.83
MB 480-279710/2-A		313144	9.90	643066	13.84	628573	16.83
480-92332-1	B7-AREA2-S1	308988	9.91	613692	13.84	562767	16.83
480-92332-3	B10-AREA2-S2	300213	9.91	567368	13.84	418864	16.83
480-92332-4	B10-AREA2-S3	283662	9.91	502742	13.84	392773	16.83
480-92332-5	B11-AREA2-S1	302922	9.90	588380	13.84	492270	16.83
480-92332-9	B13-AREA2-S1	301000	9.90	596498	13.84	549429	16.83
480-92332-10	B13-AREA2-S2	281330	9.90	558458	13.84	529077	16.83
480-92332-11	B-AREA2-DUP2	278895	9.90	471725	13.84	349820	16.83
480-92332-14	B15-AREA2-S1	279108	9.90	533730	13.84	301410	16.83

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-279815/2 Date Analyzed: 12/15/2015 12:22

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2372.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		342178	9.89	693252	13.84	656014	16.82
UPPER LIMIT		684356	10.39	1386504	14.34	1312028	17.32
LOWER LIMIT		171089	9.39	346626	13.34	328007	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279840/1-A		386157	9.91	792835	13.84	737879	16.83
MB 480-279840/2-A		371380	9.90	755521	13.84	732603	16.82
480-92332-17	B16-AREA2-S2	306185	9.89	464248	13.84	230629*	16.82
480-92332-17 MS	B16-AREA2-S2 MS	359230	9.90	596440	13.84	334309	16.83
480-92332-17 MSD	B16-AREA2-S2 MSD	364111	9.90	669210	13.84	516422	16.83
480-92332-6	B12-AREA2-S1	366054	9.90	709909	13.84	617846	16.82
480-92332-8	B12-AREA2-S3	314862	9.90	543872	13.84	376667	16.83
480-92332-10 DL	B13-AREA2-S2 DL	354472	9.90	680697	13.84	538890	16.82
480-92332-13	B14-AREA2-S2	331818	9.90	605934	13.84	380942	16.82
480-92332-22	B28-AREA2-S1	319590	9.90	646983	13.84	622560	16.83
480-92332-24	B29-AREA2-S1	325380	9.90	675903	13.84	587685	16.82

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-279989/3 Date Analyzed: 12/16/2015 09:33

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2400.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		345053	9.89	710796	13.84	675679	16.82
UPPER LIMIT		690106	10.39	1421592	14.34	1351358	17.32
LOWER LIMIT		172527	9.39	355398	13.34	337840	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279980/1-A		374847	9.90	778765	13.84	732284	16.83
MB 480-279980/2-A		383585	9.90	775512	13.84	769838	16.83
480-92332-15	B15-AREA2-S2	306925	9.89	390843	13.84	125400*	16.82
480-92332-16	B16-AREA2-S1	359212	9.90	717764	13.84	656225	16.83
480-92332-18	B17-AREA2-S1	260985	9.91	258211*	13.84	87020*	16.83
480-92332-19	B17-AREA2-S2	296964	9.90	394933	13.84	173660*	16.82
480-92332-20	B27-AREA2-S1	319959	9.90	616370	13.84	477634	16.82
480-92332-21	B27-AREA2-S2	328150	9.90	632095	13.84	388989	16.83
480-92332-23	B28-AREA2-S2	142243*	9.90	119903*	13.84	48729*	16.82
480-92332-25	B29-AREA2-S2	318450	9.90	634757	13.84	608304	16.83
480-92332-28	B31-AREA2-S1	331567	9.90	659138	13.84	444660	16.82
480-92332-15 MS	B15-AREA2-S2 MS	349334	9.90	700311	13.84	647832	16.83
480-92332-15 MSD	B15-AREA2-S2 MSD	362825	9.90	719910	13.84	631336	16.82

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-280185/3 Date Analyzed: 12/16/2015 20:45

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2422.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		351669	9.89	721382	13.84	666436	16.82
UPPER LIMIT		703338	10.39	1442764	14.34	1332872	17.32
LOWER LIMIT		175835	9.39	360691	13.34	333218	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-280183/1-A		376968	9.89	772914	13.84	705992	16.82
MB 480-280183/2-A		372078	9.90	768134	13.84	749485	16.83
480-92332-26	B30-AREA2-S1	287840	9.90	369431	13.84	126151*	16.83
480-92332-27	B30-AREA2-S2	330176	9.90	662448	13.84	595252	16.83
480-92332-29	B31-AREA2-S2	297785	9.90	490848	13.84	254292*	16.83
480-92332-31	B35-AREA2-S2	133732*	9.90	102362*	13.84	44620*	16.83

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: ICIS 480-279905/10 Date Analyzed: 12/16/2015 01:57

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): Q7639.D Heated Purge: (Y/N) N

Calibration ID: 25844

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		101430	5.12	192150	7.41	229915	9.28
UPPER LIMIT		202860	5.62	384300	7.91	459830	9.78
LOWER LIMIT		50715	4.62	96075	6.91	114958	8.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-280604/3		103385	5.12	201409	7.41	245745	9.28

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-280604/3 Date Analyzed: 12/18/2015 23:40

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): Q7761.D Heated Purge: (Y/N) N

Calibration ID: 25843

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		103385	5.12	201409	7.41	245745	9.28
UPPER LIMIT		206770	5.62	402818	7.91	491490	9.78
LOWER LIMIT		51693	4.62	100705	6.91	122873	8.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-280604/5		97760	5.12	189022	7.41	227062	9.28
MB 480-280604/7		93440	5.12	176122	7.41	206414	9.28
480-92332-32	SB-RINSEBLANK3	95037	5.12	174196	7.41	205265	9.28

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: ICIS 480-278464/9 Date Analyzed: 12/07/2015 15:24

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S5798.D Heated Purge: (Y/N) N

Calibration ID: 25734

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		141293	5.40	315294	8.40	325064	10.78
UPPER LIMIT		282586	5.90	630588	8.90	650128	11.28
LOWER LIMIT		70647	4.90	157647	7.90	162532	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-280176/3		114548	5.40	228924	8.39	215393	10.78
CCVIS 480-280605/2		107396	5.40	214835	8.39	198061	10.78
CCVIS 480-280696/3		108311	5.40	211663	8.39	202169	10.78
CCVIS 480-280772/3		94278	5.40	191048	8.39	180123	10.78
CCVIS 480-281000/3		120897	5.40	239453	8.39	225285	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-280176/3 Date Analyzed: 12/16/2015 21:40

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6160.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		114548	5.40	228924	8.39	215393	10.78
UPPER LIMIT		229096	5.90	457848	8.89	430786	11.28
LOWER LIMIT		57274	4.90	114462	7.89	107697	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-280176/4		113861	5.40	227296	8.39	210727	10.79
LCS 480-280169/1-A		115614	5.40	231958	8.39	214237	10.78
MB 480-280169/2-A		114096	5.40	231145	8.39	217022	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-280605/2 Date Analyzed: 12/18/2015 23:19

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6303.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		107396	5.40	214835	8.39	198061	10.78
UPPER LIMIT		214792	5.90	429670	8.89	396122	11.28
LOWER LIMIT		53698	4.90	107418	7.89	99031	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-280605/3		104362	5.40	210118	8.39	201754	10.78
LCS 480-280619/1-A		102767	5.40	207281	8.39	190610	10.78
MB 480-280619/3-A		105808	5.40	212088	8.39	201271	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-280696/3 Date Analyzed: 12/20/2015 12:18

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6360.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		108311	5.40	211663	8.39	202169	10.78
UPPER LIMIT		216622	5.90	423326	8.89	404338	11.28
LOWER LIMIT		54156	4.90	105832	7.89	101085	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-280696/4		105781	5.40	209811	8.39	197257	10.78
480-92332-3 DL	B10-AREA2-S2 DL	94324	5.40	192434	8.39	181223	10.78
480-92332-5 DL	B11-AREA2-S1 DL	95365	5.40	192676	8.39	182188	10.78
480-92332-7	B12-AREA2-S2	96833	5.40	197572	8.39	183907	10.78
480-92332-9 DL	B13-AREA2-S1 DL	92157	5.40	194297	8.39	179991	10.78
480-92332-11 DL	B-AREA2-DUP2 DL	95655	5.40	195656	8.39	180332	10.78
480-92332-14 DL	B15-AREA2-S1 DL	93114	5.40	190502	8.39	175910	10.78
480-92332-14 MS	B15-AREA2-S1 MS	95651	5.40	191027	8.39	182536	10.78
480-92332-14 MSD	B15-AREA2-S1 MSD	93131	5.40	188489	8.39	181077	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-280772/3 Date Analyzed: 12/21/2015 10:27

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6391.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		94278	5.40	191048	8.39	180123	10.78
UPPER LIMIT		188556	5.90	382096	8.89	360246	11.28
LOWER LIMIT		47139	4.90	95524	7.89	90062	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-92332-12	B14-AREA2-S1	93273	5.40	189547	8.39	176776	10.79

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-281000/3 Date Analyzed: 12/22/2015 10:55

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6453.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		120897	5.40	239453	8.39	225285	10.78
UPPER LIMIT		241794	5.90	478906	8.89	450570	11.28
LOWER LIMIT		60449	4.90	119727	7.89	112643	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-92332-30	B35-AREA2-S1	119844	5.40	235468	8.39	220784	10.78
480-92332-28 DL	B31-AREA2-S1 DL	119736	5.40	239468	8.39	225154	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Sample No.: CCVIS 480-281166/3 Date Analyzed: 12/22/2015 21:26

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6481.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		117012	5.40	236693	8.40	219584	10.79
UPPER LIMIT		234024	5.90	473386	8.90	439168	11.29
LOWER LIMIT		58506	4.90	118347	7.90	109792	10.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-281171/1-A		119615	5.40	238533	8.39	224244	10.78
MB 480-281171/2-A		115250	5.40	231382	8.39	215029	10.78
480-92332-24 DL	B29-AREA2-S1 DL	122903	5.40	251408	8.40	235598	10.78
480-92332-24 MS	B29-AREA2-S1 MS	124776	5.40	246401	8.39	224993	10.78
480-92332-24 MSD	B29-AREA2-S1 MSD	121752	5.40	239957	8.39	221326	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B7-AREA2-S1 | Lab Sample ID: 480-92332-1

Matrix: Solid | Lab File ID: P2352.D

Analysis Method: 8260C | Date Collected: 12/07/2015 14:20

Sample wt/vol: 5.11(g) | Date Analyzed: 12/15/2015 02:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.4 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B7-AREA2-S1 | Lab Sample ID: 480-92332-1

Matrix: Solid | Lab File ID: P2352.D

Analysis Method: 8260C | Date Collected: 12/07/2015 14:20

Sample wt/vol: 5.11(g) | Date Analyzed: 12/15/2015 02:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.4 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.72
108-88-3	Toluene	ND		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2352.D
Lims ID: 480-92332-A-1-B Lab Sample ID: 480-92332-1
Client ID: B7-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 02:53:30 ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 08:28:36 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 08:27:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.900	0.006	97	308988	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	613692	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.830	-0.001	97	562767	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	247208	51.8	
$ 5 Toluene-d8 (Surr)	98	11.883	11.884	-0.001	93	1345691	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	451372	48.3	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	98	11426	3.23	
30 Methyl acetate	43		6.767				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.526				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95		10.351				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

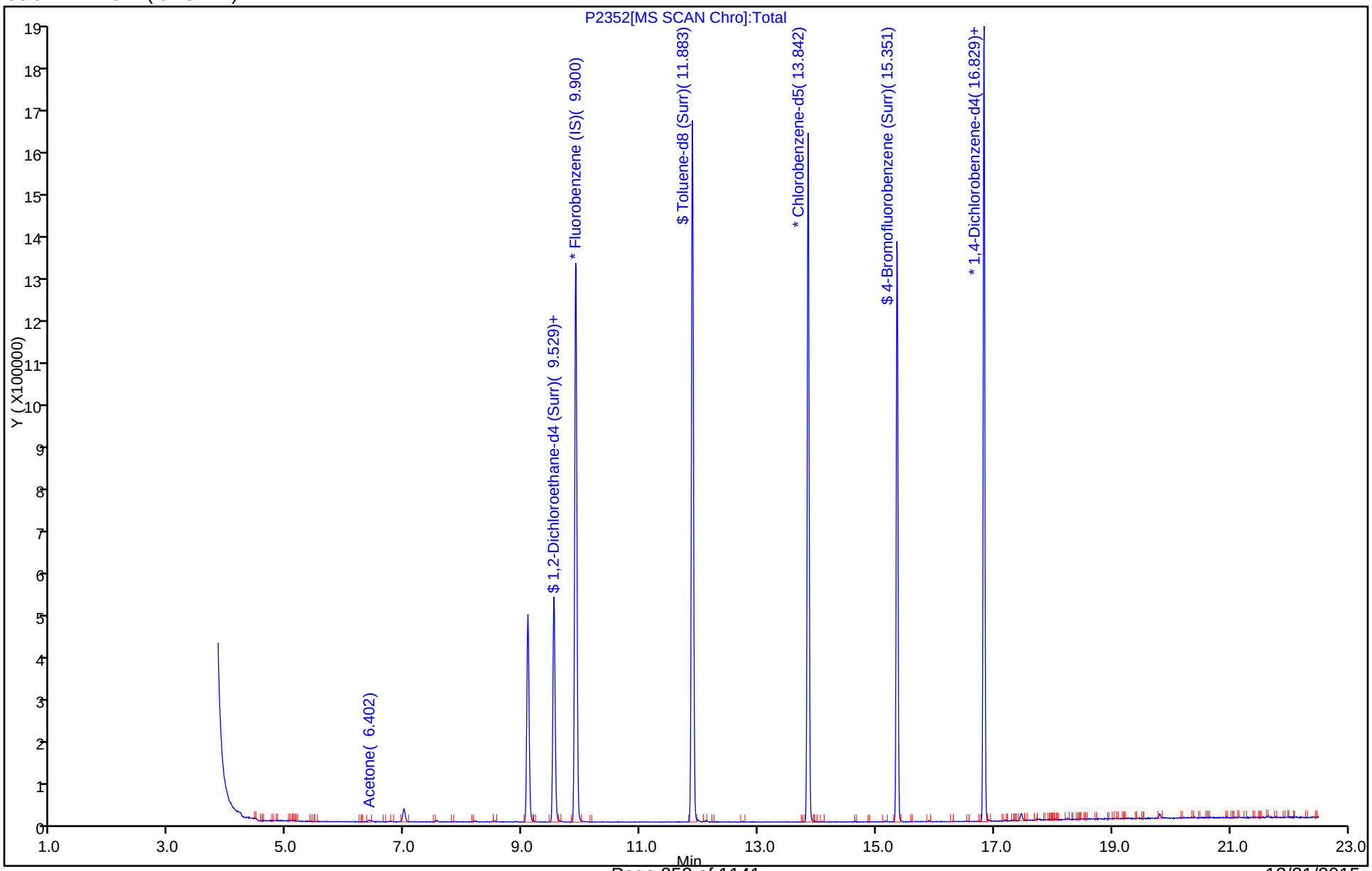
Report Date: 15-Dec-2015 08:28:54 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2352.D

Injection Date:	15-Dec-2015 02:53:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-1-B	Lab Sample ID:	480-92332-1	Worklist Smp#:	9
Client ID:	B7-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S1 | Lab Sample ID: 480-92332-2

Matrix: Solid | Lab File ID: P2336.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:35

Sample wt/vol: 5.04(g) | Date Analyzed: 12/14/2015 18:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.9 | Level: (low/med) Low

Analysis Batch No.: 279534 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.72
75-34-3	1,1-Dichloroethane	70		5.5	0.67
75-35-4	1,1-Dichloroethene	0.94	J	5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.8
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	ND	*	28	2.0
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	ND		28	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.8
74-83-9	Bromomethane	ND		5.5	0.50
75-15-0	Carbon disulfide	ND		5.5	2.8
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	190		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S1 | Lab Sample ID: 480-92332-2

Matrix: Solid | Lab File ID: P2336.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:35

Sample wt/vol: 5.04(g) | Date Analyzed: 12/14/2015 18:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.9 | Level: (low/med) Low

Analysis Batch No.: 279534 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.28
127-18-4	Tetrachloroethene	ND		5.5	0.74
108-88-3	Toluene	ND		5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2336.D
Lims ID: 480-92332-A-2-A Lab Sample ID: 480-92332-2
Client ID: B10-AREA2-S1
Sample Type: Client
Inject. Date: 14-Dec-2015 18:47:30 ALS Bottle#: 12 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-2-A
Misc. Info.: 480-0049193-020
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 19:33:46 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: diasn Date: 14-Dec-2015 19:33:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.907	9.900	0.007	98	293280	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	608087	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	577029	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	244557	54.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	94	1330399	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	450562	48.6	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.346				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.131				ND	
13 Chloroethane	64		5.259				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.311	-0.006	78	3704	0.3789	
25 1,1-Dichloroethene	96	6.366	6.378	-0.012	94	8378	0.8564	
24 Acetone	43		6.396				ND	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.773	6.780	-0.007	99	24196	0.7982	
31 Methylene Chloride	84	6.986	6.993	-0.006	94	25769	0.5533	
32 Methyl tert-butyl ether	73		7.230				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	1162817	63.4	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.526	0.006	85	1528855	170.7	
49 Chloroform	83		8.885				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.219				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	89	3265	0.2236	
62 Trichloroethene	95		10.351				ND	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.667				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

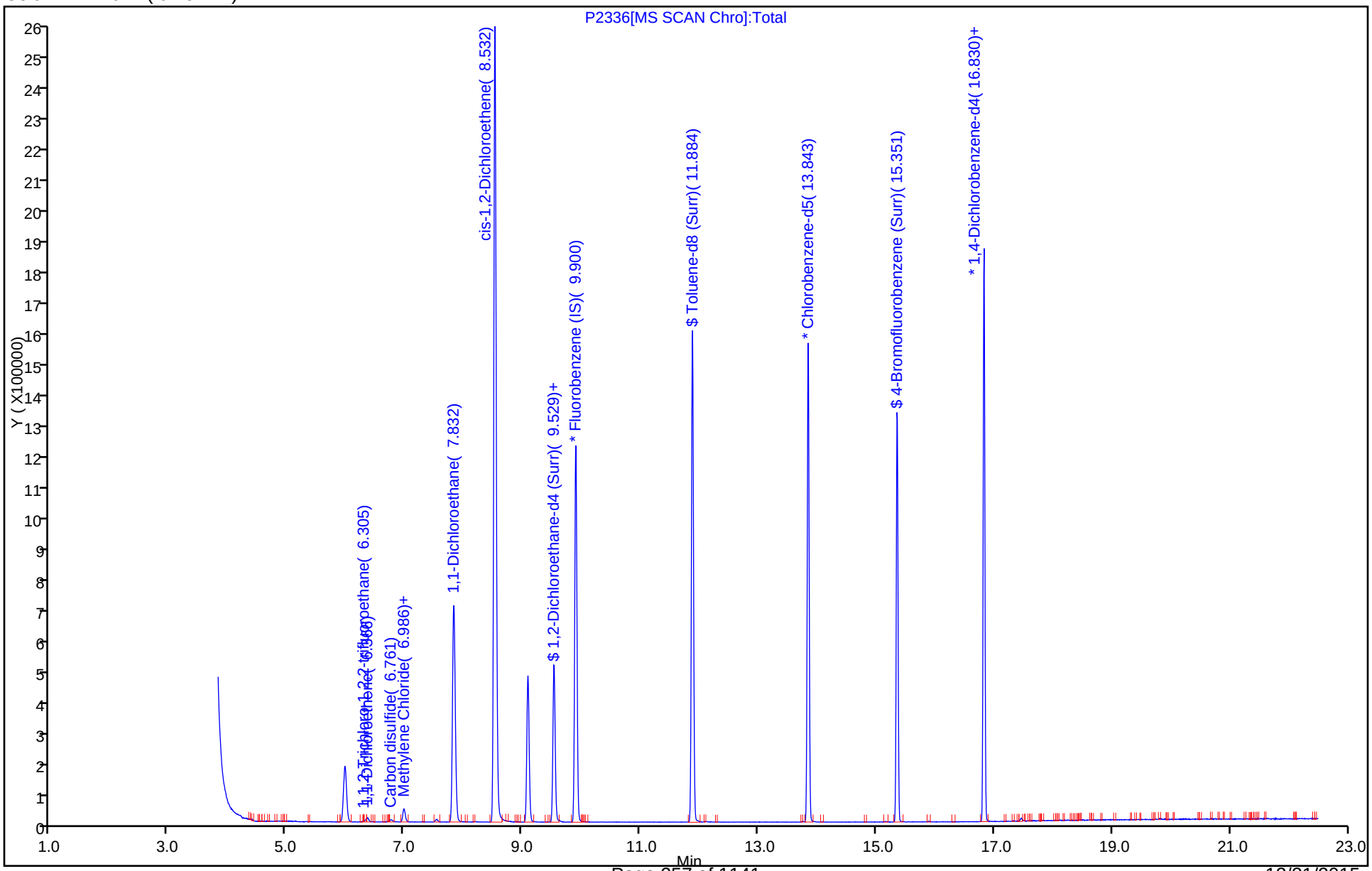
Report Date: 14-Dec-2015 19:33:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2336.D

Injection Date:	14-Dec-2015 18:47:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-2-A	Lab Sample ID:	480-92332-2	Worklist Smp#:	20
Client ID:	B10-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

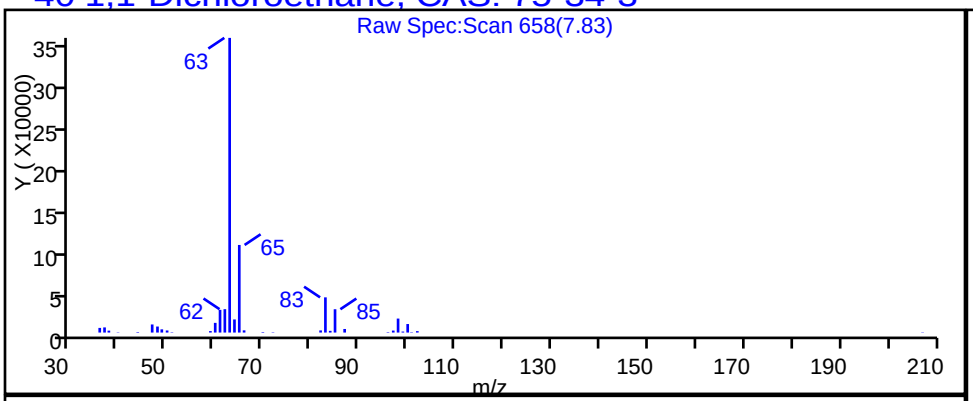


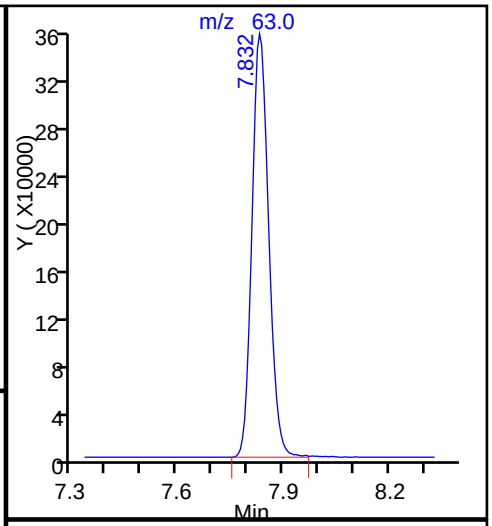
TestAmerica Buffalo

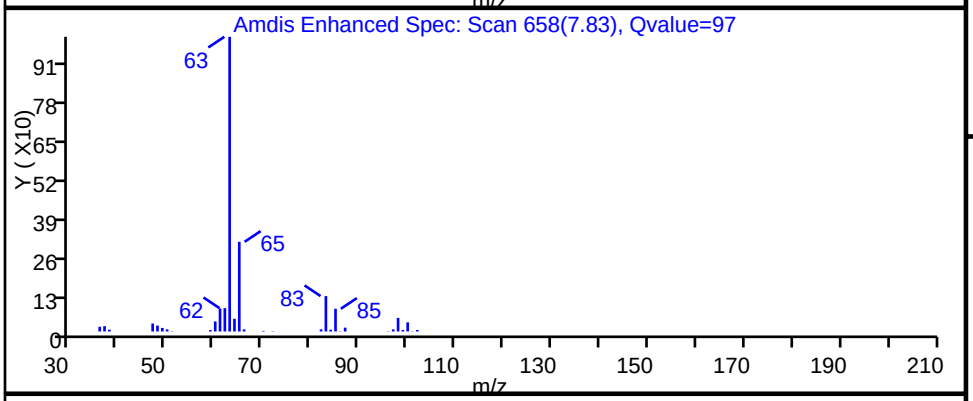
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2336.D

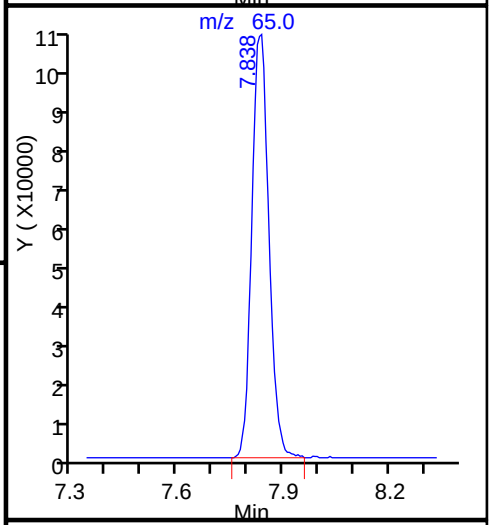
Injection Date:	14-Dec-2015 18:47:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-2-A	Lab Sample ID:	480-92332-2		
Client ID:	B10-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

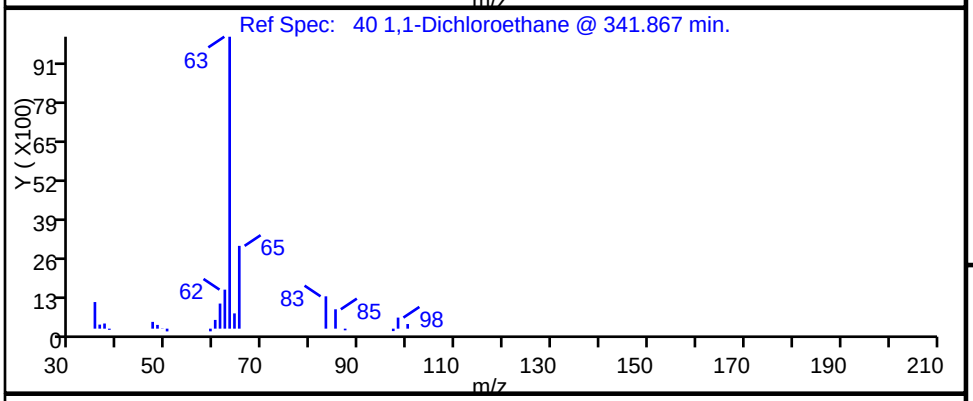
40 1,1-Dichloroethane, CAS: 75-34-3

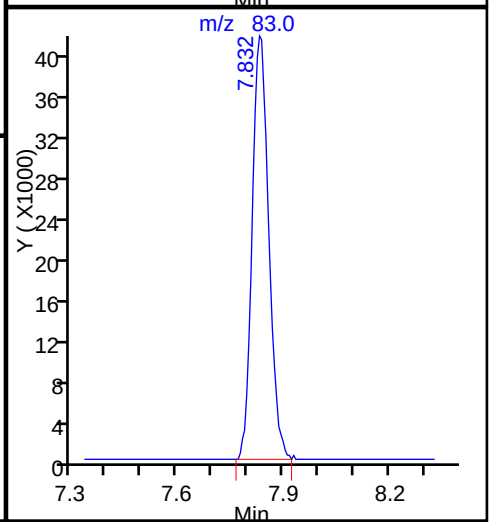


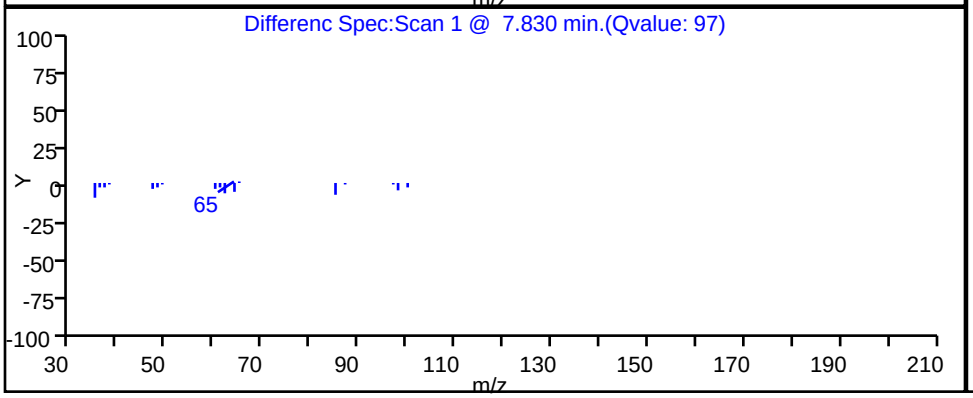












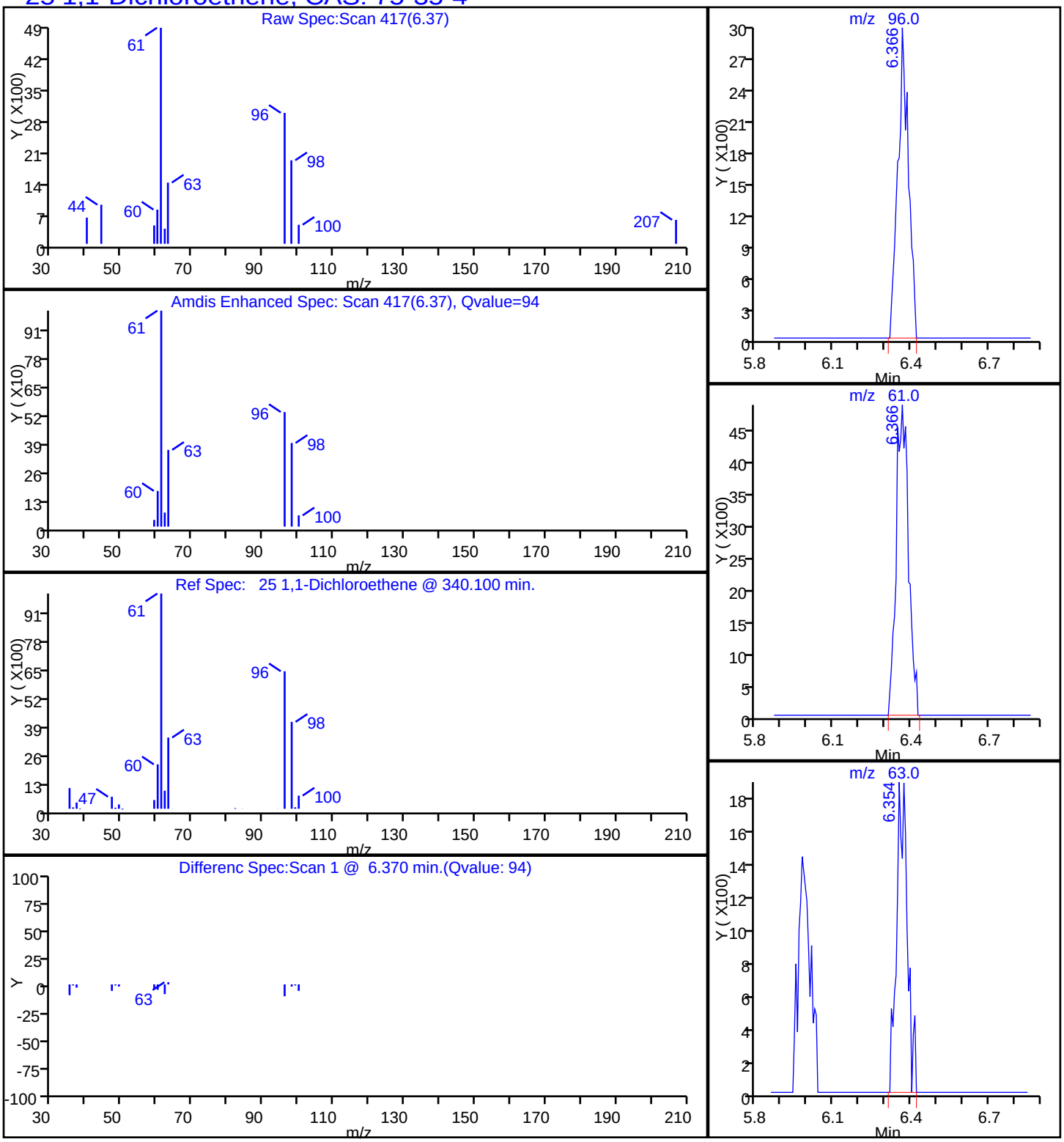
Report Date: 14-Dec-2015 19:33:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2336.D

Injection Date:	14-Dec-2015 18:47:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-2-A	Lab Sample ID:	480-92332-2
Client ID:	B10-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	12 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

25 1,1-Dichloroethene, CAS: 75-35-4



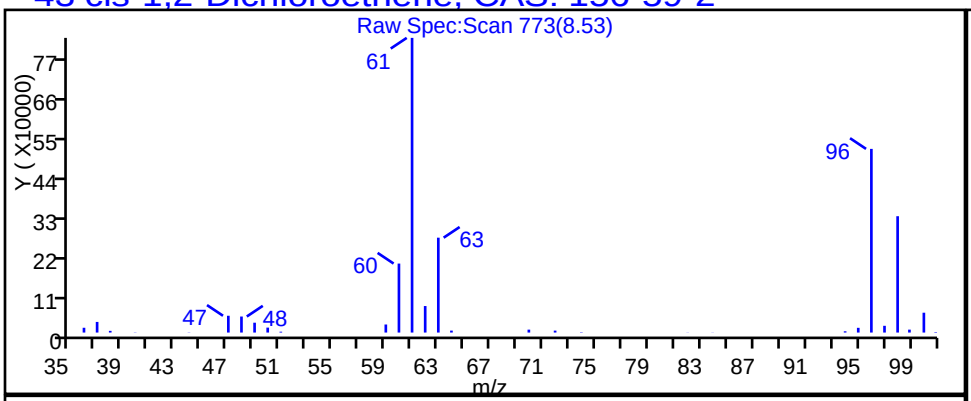
Report Date: 14-Dec-2015 19:33:48 Chrom Revision: 2.2 08-Oct-2015 07:17:48

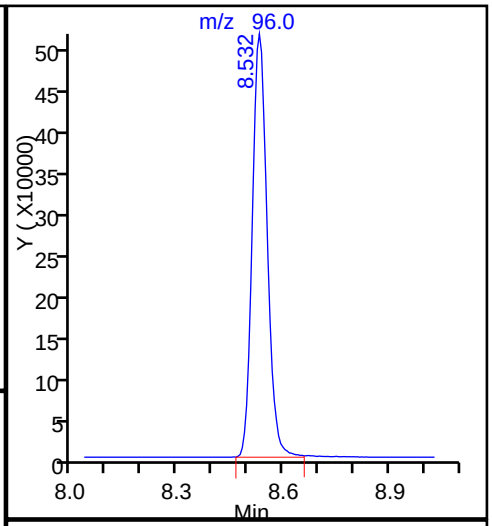
TestAmerica Buffalo

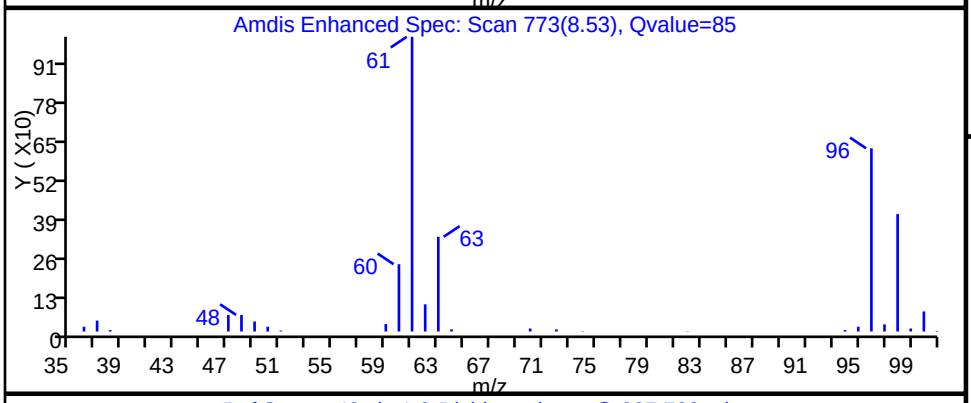
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2336.D

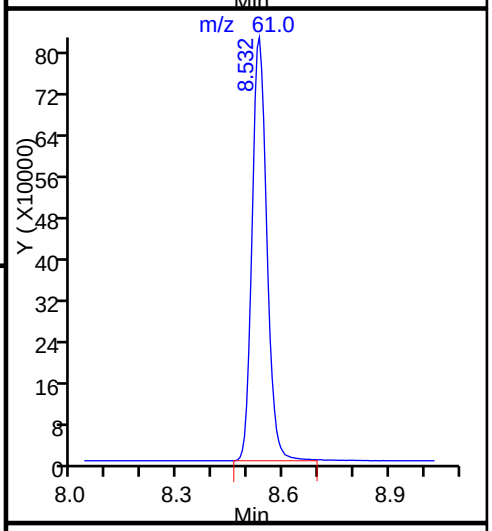
Injection Date:	14-Dec-2015 18:47:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-2-A	Lab Sample ID:	480-92332-2		
Client ID:	B10-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

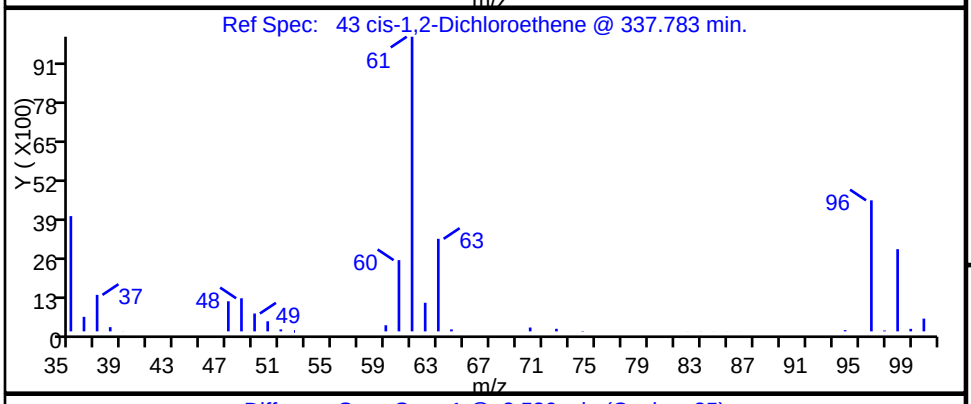
43 cis-1,2-Dichloroethene, CAS: 156-59-2

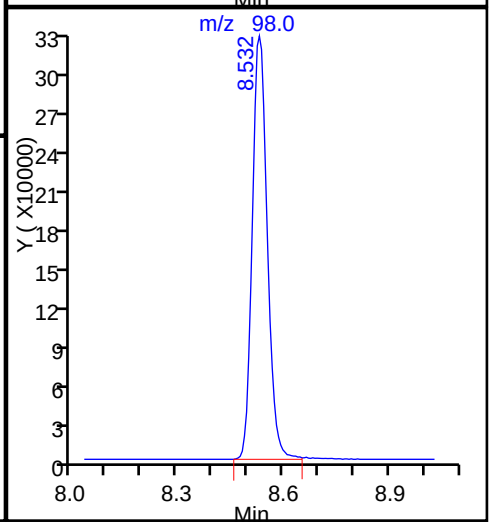


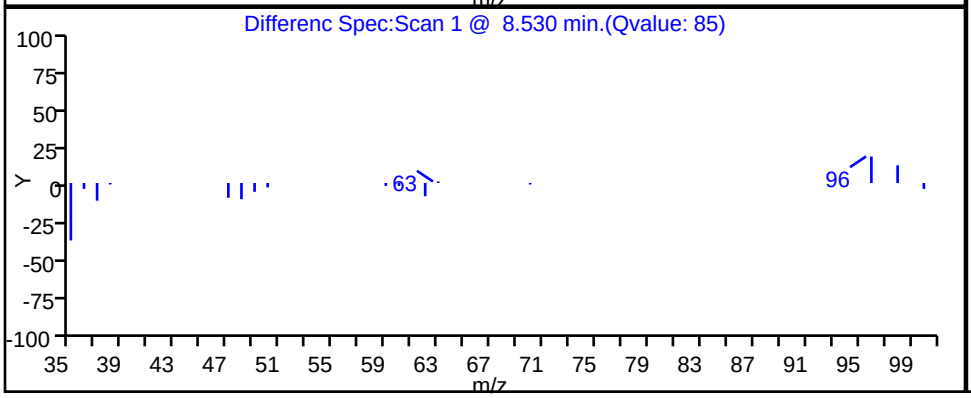












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S2 | Lab Sample ID: 480-92332-3

Matrix: Solid | Lab File ID: P2353.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:30

Sample wt/vol: 0.59(g) | Date Analyzed: 12/15/2015 03:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.2 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		45	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		45	7.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45	10
79-00-5	1,1,2-Trichloroethane	ND		45	5.9
75-34-3	1,1-Dichloroethane	100		45	5.5
75-35-4	1,1-Dichloroethene	ND		45	5.5
120-82-1	1,2,4-Trichlorobenzene	ND		45	2.7
96-12-8	1,2-Dibromo-3-Chloropropane	ND		45	23
106-93-4	1,2-Dibromoethane	ND		45	5.8
95-50-1	1,2-Dichlorobenzene	ND		45	3.5
107-06-2	1,2-Dichloroethane	ND		45	2.3
78-87-5	1,2-Dichloropropane	ND		45	23
541-73-1	1,3-Dichlorobenzene	ND		45	2.3
106-46-7	1,4-Dichlorobenzene	ND		45	6.3
78-93-3	2-Butanone (MEK)	ND		230	17
591-78-6	2-Hexanone	ND		230	23
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		230	15
67-64-1	Acetone	ND		230	38
71-43-2	Benzene	ND		45	2.2
75-27-4	Bromodichloromethane	ND		45	6.1
75-25-2	Bromoform	ND		45	23
74-83-9	Bromomethane	ND		45	4.1
75-15-0	Carbon disulfide	ND		45	23
56-23-5	Carbon tetrachloride	ND		45	4.4
108-90-7	Chlorobenzene	ND		45	6.0
75-00-3	Chloroethane	ND		45	10
67-66-3	Chloroform	ND		45	2.8
74-87-3	Chloromethane	ND		45	2.7
156-59-2	cis-1,2-Dichloroethene	3600	E	45	5.8
10061-01-5	cis-1,3-Dichloropropene	ND		45	6.5
110-82-7	Cyclohexane	ND		45	6.3
124-48-1	Dibromochloromethane	ND		45	5.8
75-71-8	Dichlorodifluoromethane	ND		45	3.7
100-41-4	Ethylbenzene	ND		45	3.1
98-82-8	Isopropylbenzene	ND		45	6.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S2 | Lab Sample ID: 480-92332-3

Matrix: Solid | Lab File ID: P2353.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:30

Sample wt/vol: 0.59(g) | Date Analyzed: 12/15/2015 03:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.2 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		45	27
1634-04-4	Methyl tert-butyl ether	ND		45	4.4
108-87-2	Methylcyclohexane	ND		45	6.9
75-09-2	Methylene Chloride	ND		45	21
100-42-5	Styrene	ND		45	2.3
127-18-4	Tetrachloroethene	44	J	45	6.1
108-88-3	Toluene	14	J	45	3.4
156-60-5	trans-1,2-Dichloroethene	12	J	45	4.7
10061-02-6	trans-1,3-Dichloropropene	ND		45	20
79-01-6	Trichloroethene	13	J	45	9.9
75-69-4	Trichlorofluoromethane	ND		45	4.3
75-01-4	Vinyl chloride	ND		45	5.5
1330-20-7	Xylenes, Total	ND		90	7.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	87		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D
Lims ID: 480-92332-A-3-B Lab Sample ID: 480-92332-3
Client ID: B10-AREA2-S2
Sample Type: Client
Inject. Date: 15-Dec-2015 03:21:30 ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-3-B
Misc. Info.: 480-0049221-010
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 08:29:33 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 08:28:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.900	0.006	97	300213	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	567368	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	418864	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	237673	51.2	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	1295741	52.2	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	89	374916	43.4	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43		6.396				ND	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.786	6.773	0.013	99	28089	0.9052	M
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	90	10816	1.28	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	209002	11.1	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.526	0.006	86	3638110	396.9	E
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.357	10.351	0.006	95	13236	1.48	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	98	32137	1.59	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.717	0.000	89	37668	4.87	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

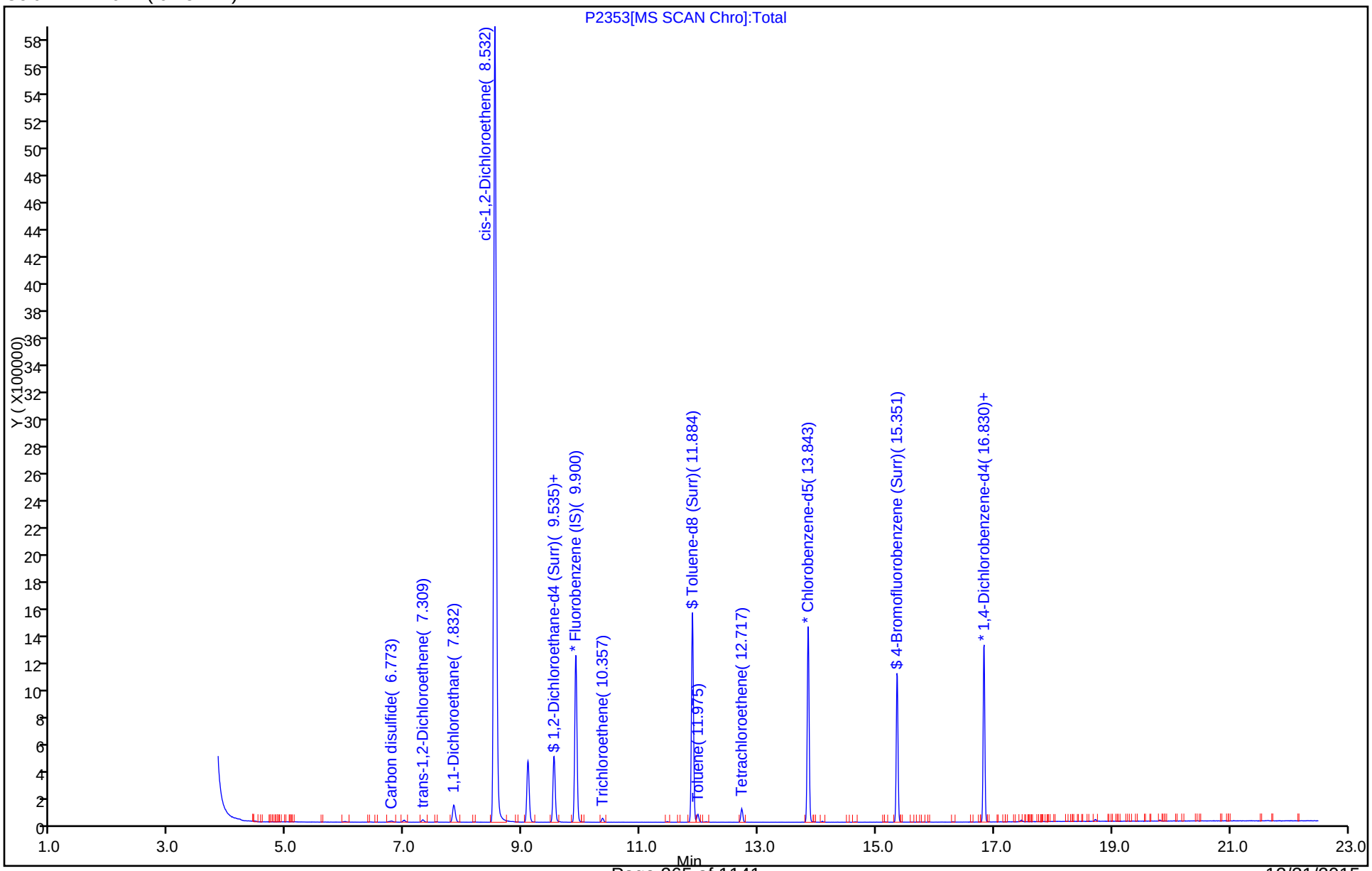
Report Date: 15-Dec-2015 08:29:43 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D

Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3	Worklist Smp#:	10
Client ID:	B10-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



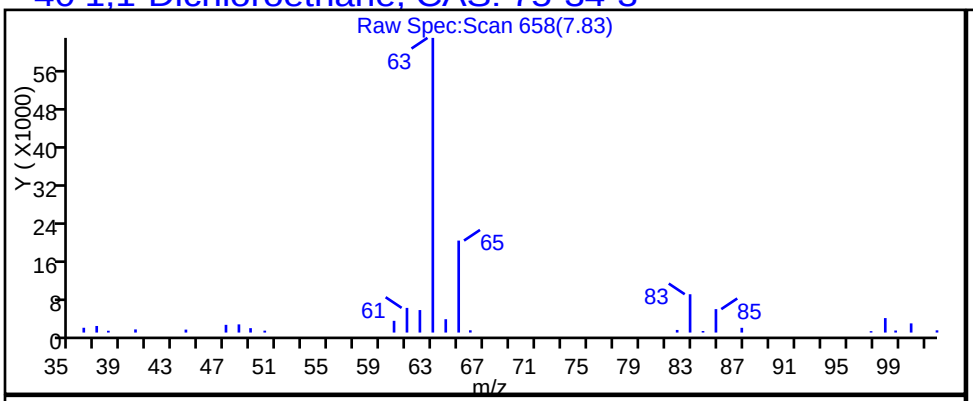
Report Date: 15-Dec-2015 08:29:43 Chrom Revision: 2.2 02-Dec-2015 11:51:48

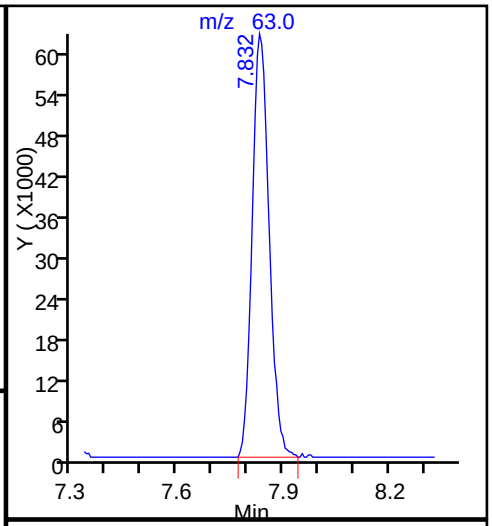
TestAmerica Buffalo

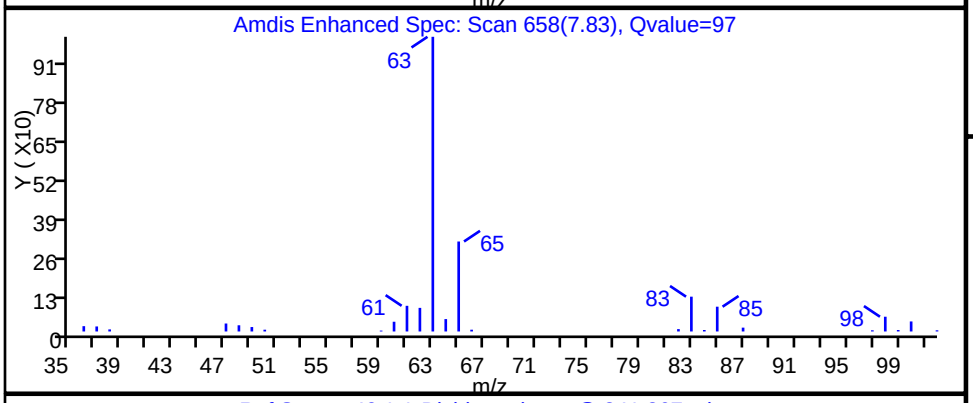
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D

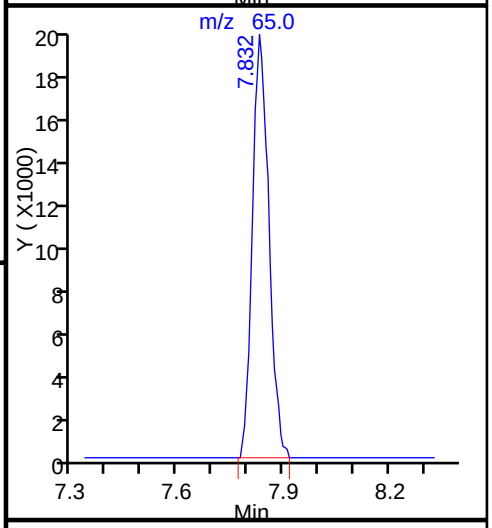
Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

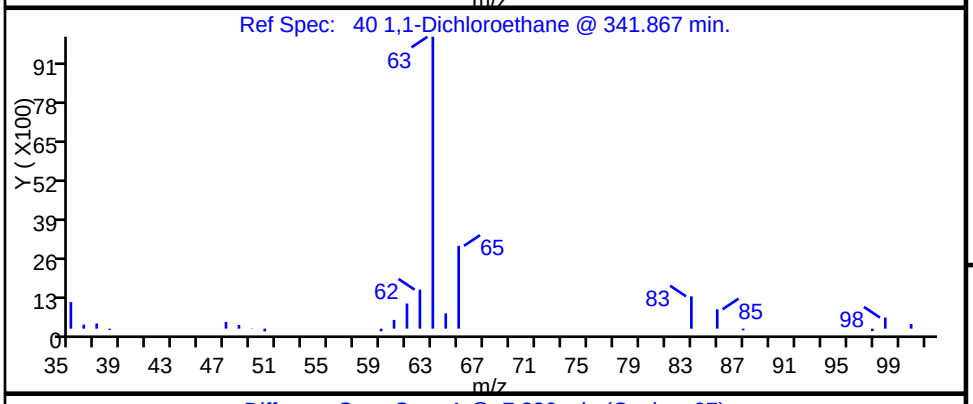
40 1,1-Dichloroethane, CAS: 75-34-3

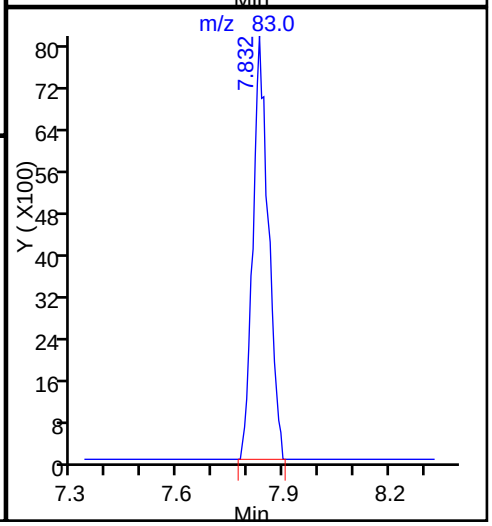


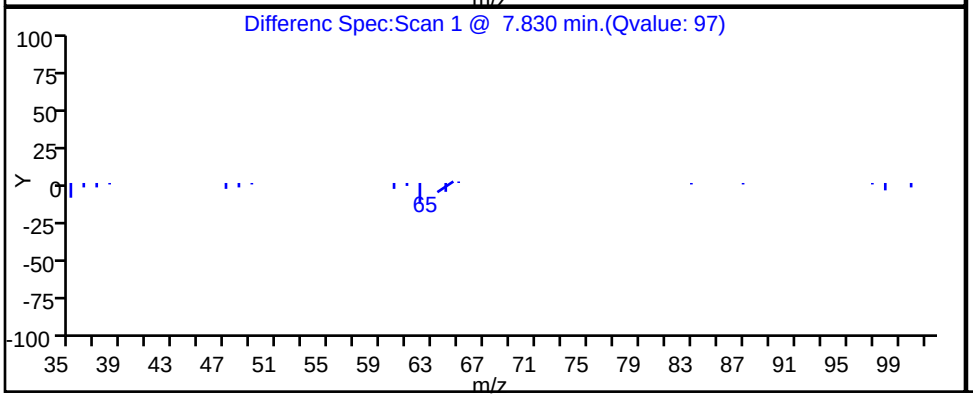








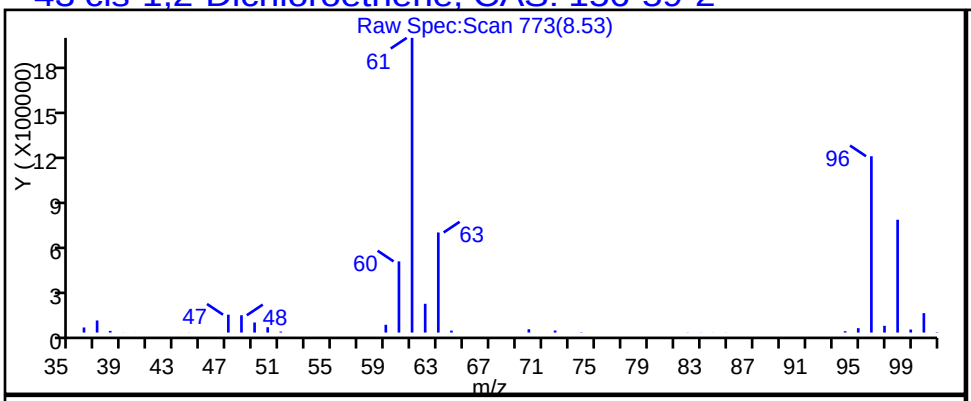


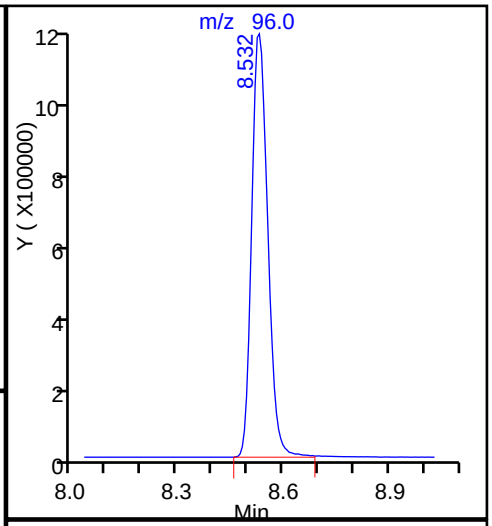


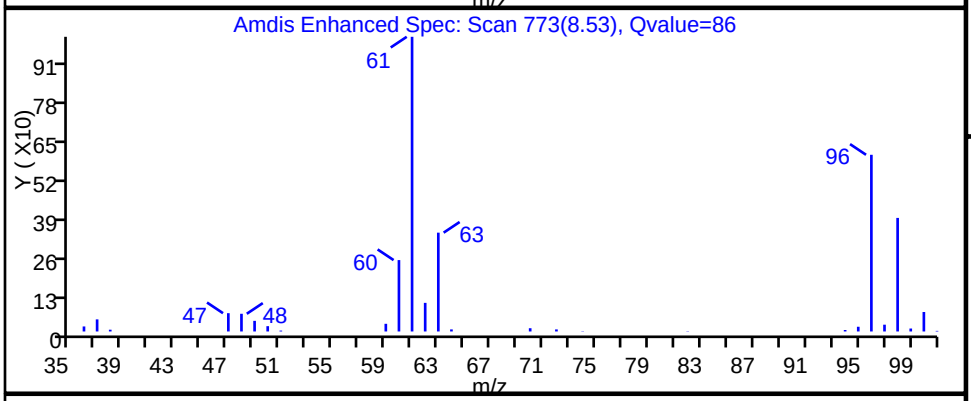
TestAmerica Buffalo

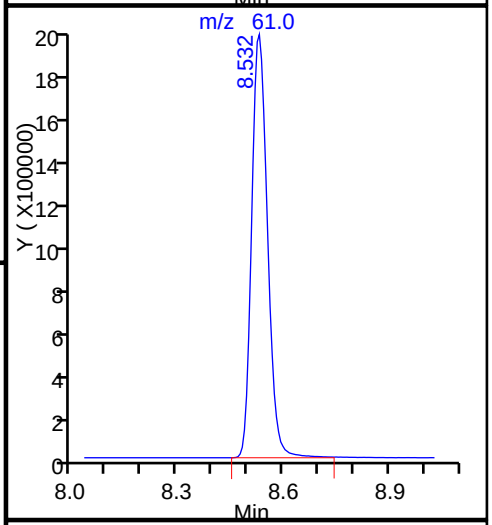
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D				
Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

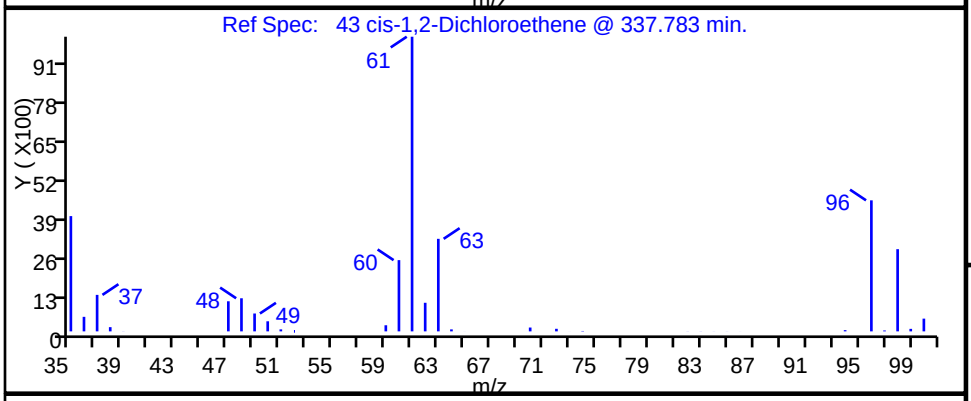
43 cis-1,2-Dichloroethene, CAS: 156-59-2

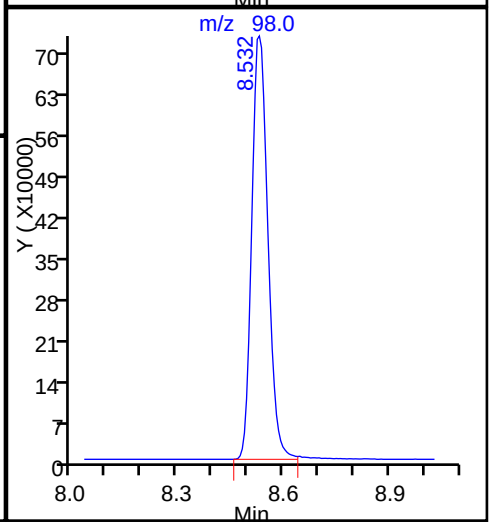


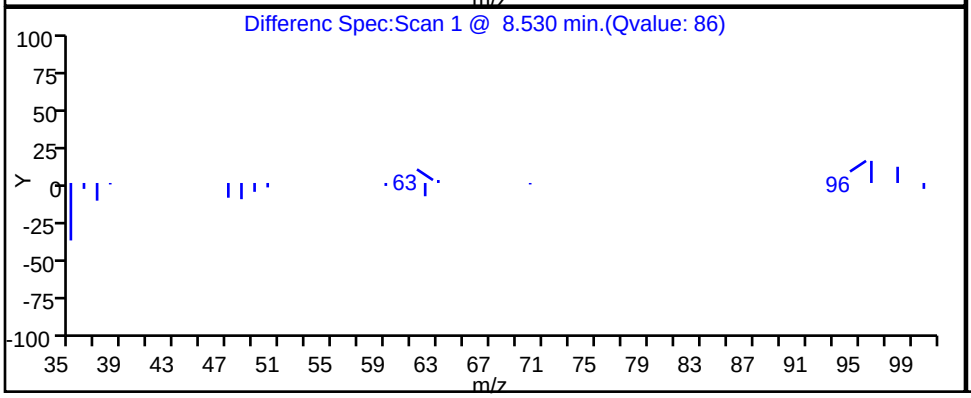










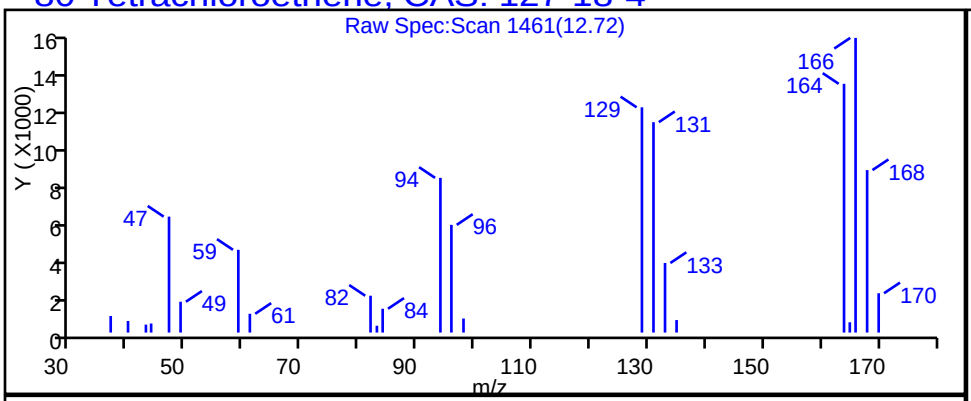


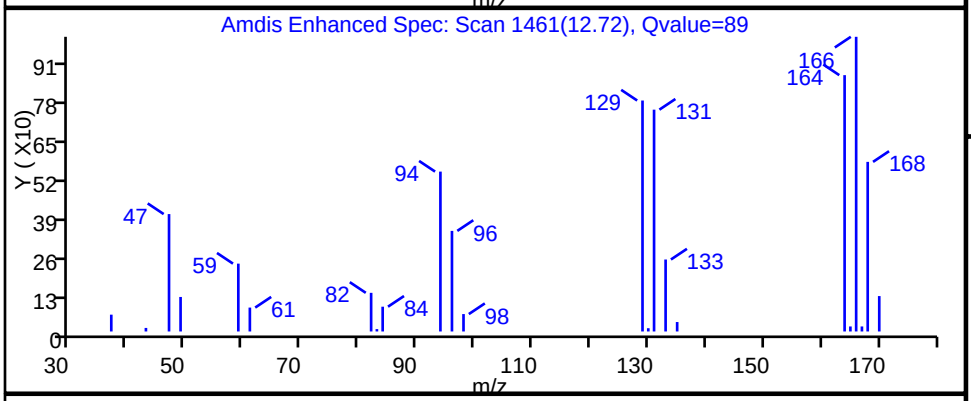
TestAmerica Buffalo

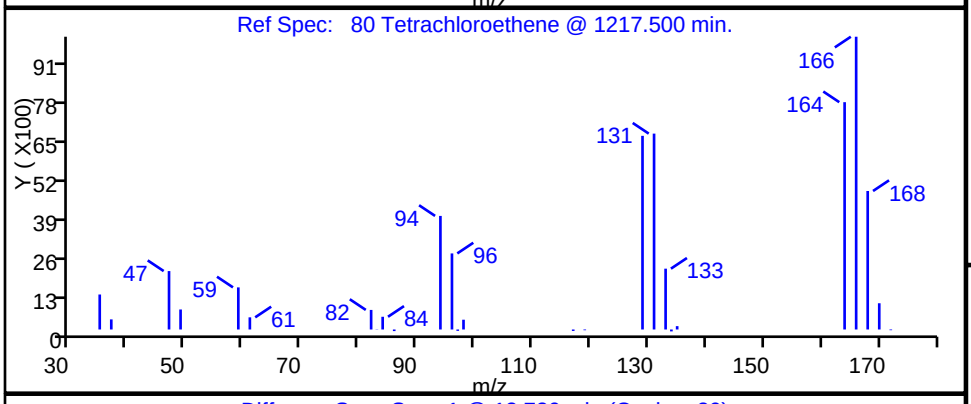
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D

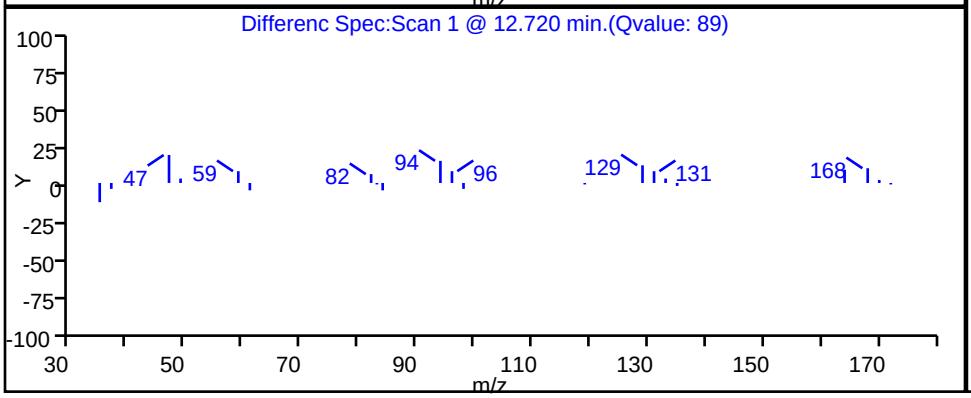
Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

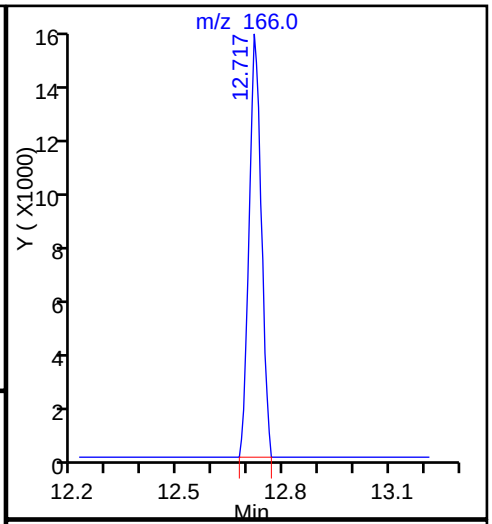
80 Tetrachloroethene, CAS: 127-18-4

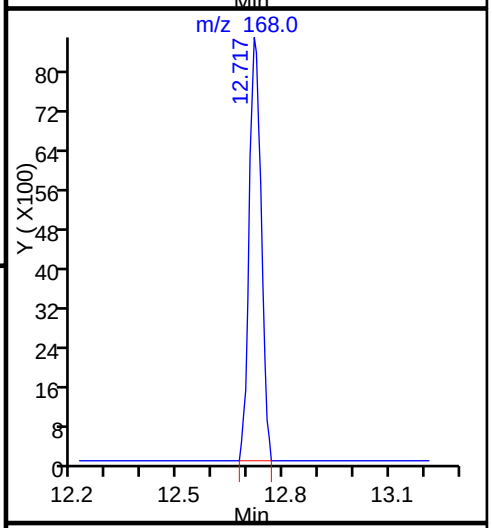


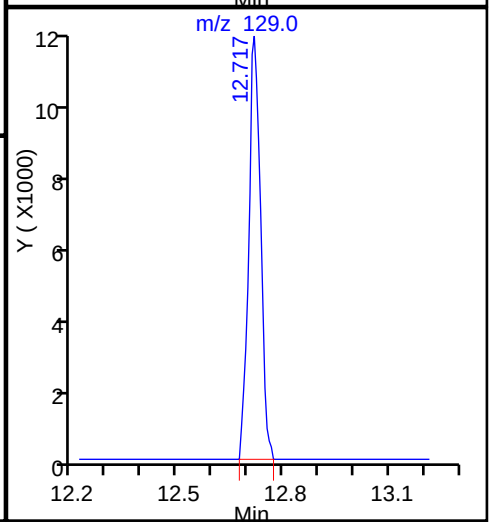












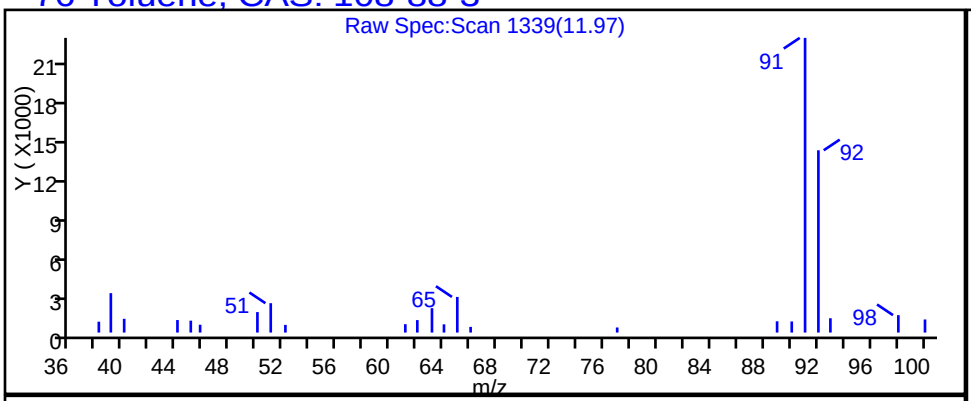
Report Date: 15-Dec-2015 08:29:43 Chrom Revision: 2.2 02-Dec-2015 11:51:48

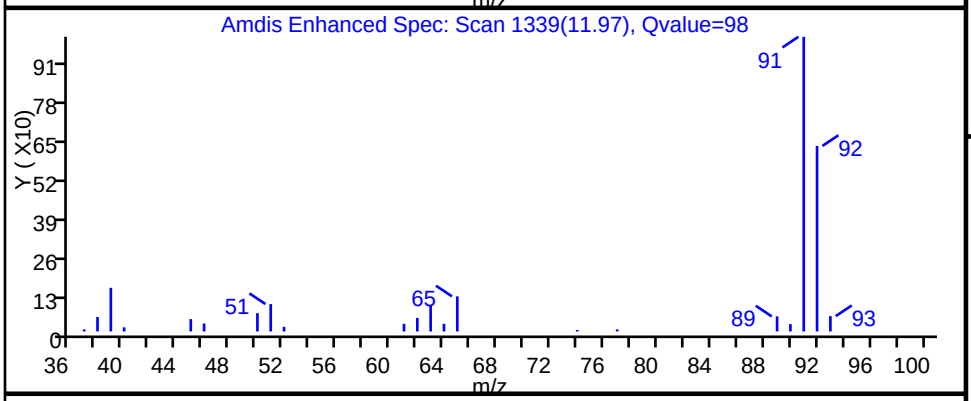
TestAmerica Buffalo

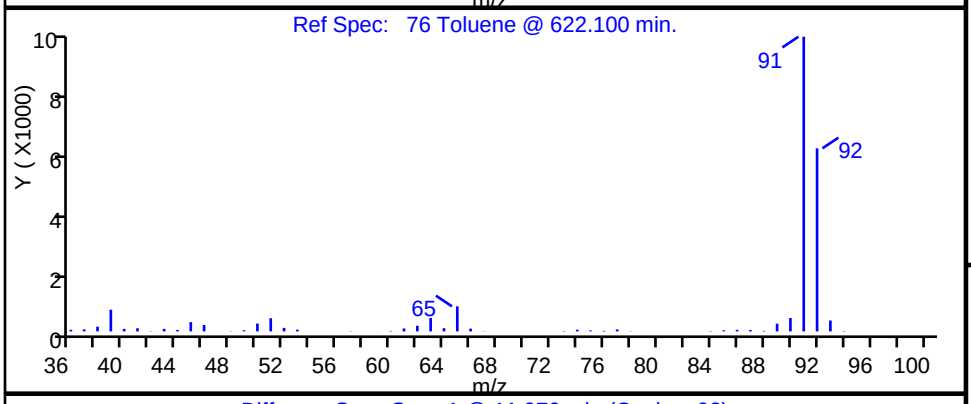
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D

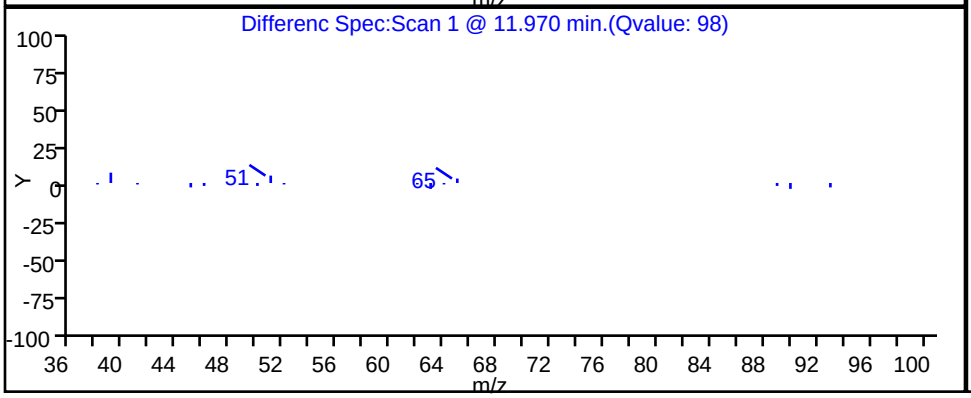
Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

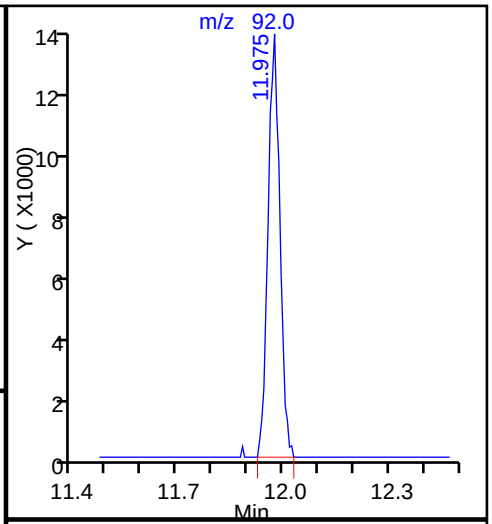
76 Toluene, CAS: 108-88-3

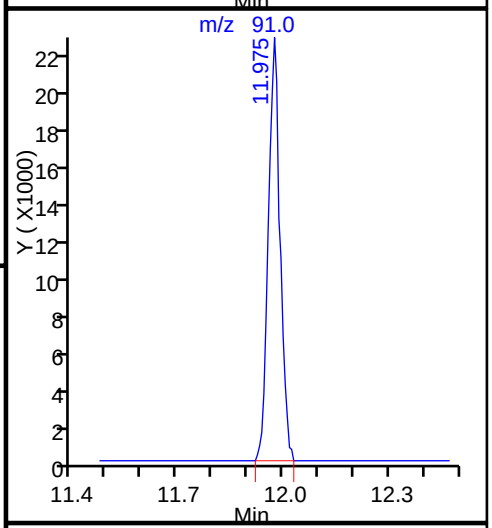


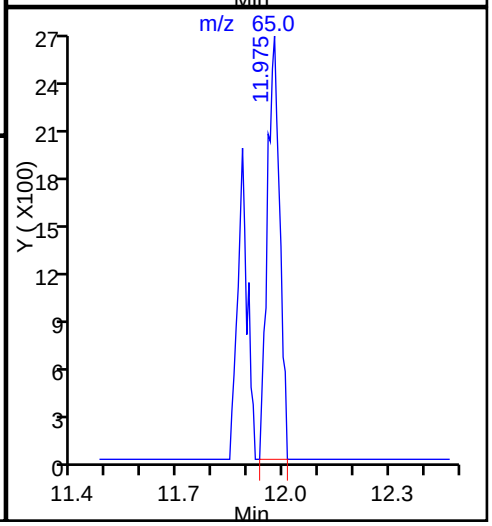












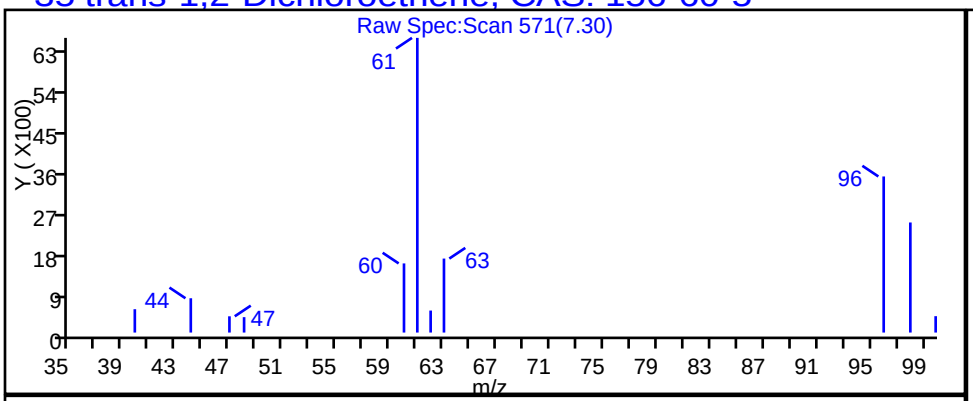
Report Date: 15-Dec-2015 08:29:43 Chrom Revision: 2.2 02-Dec-2015 11:51:48

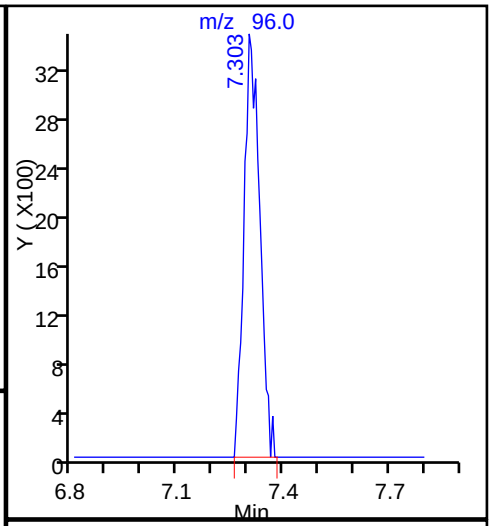
TestAmerica Buffalo

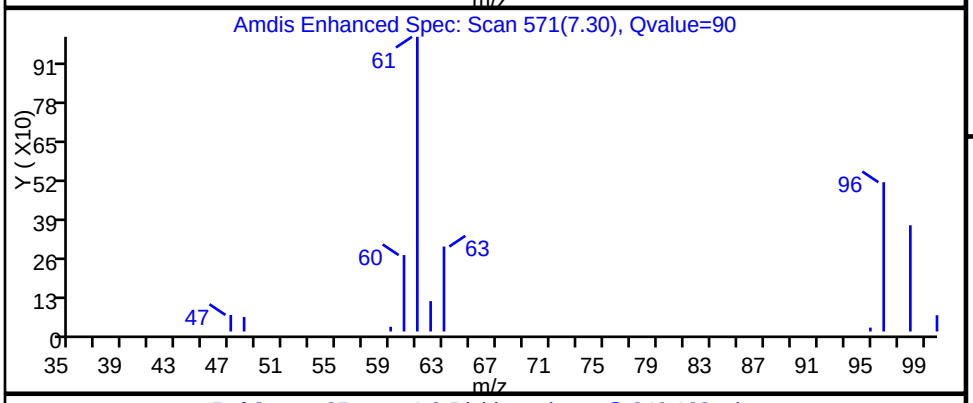
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D

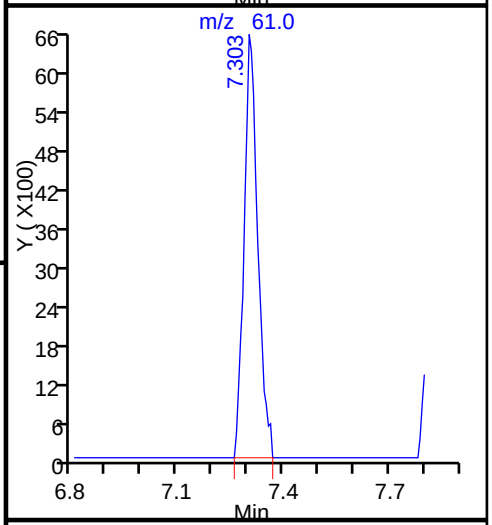
Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

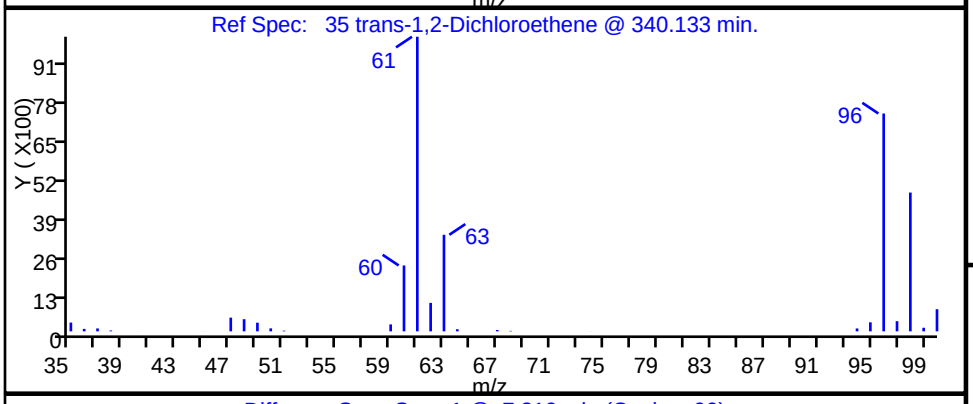
35 trans-1,2-Dichloroethene, CAS: 156-60-5

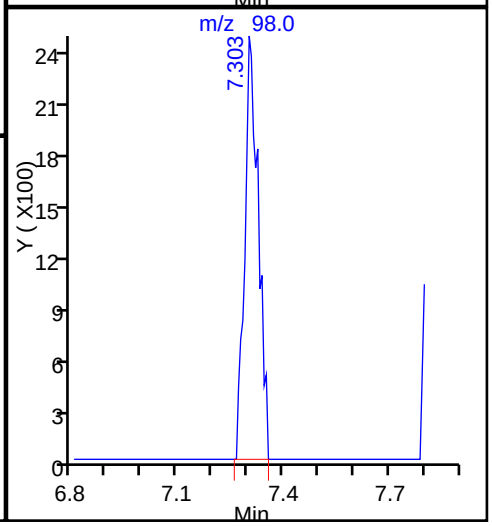


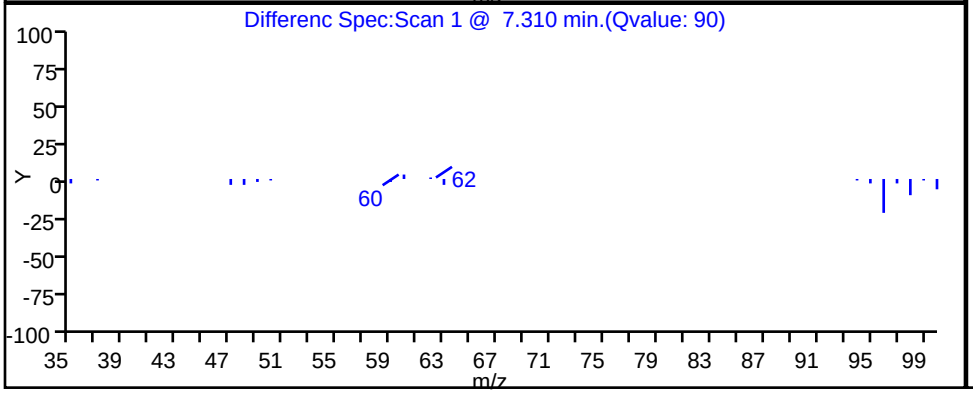












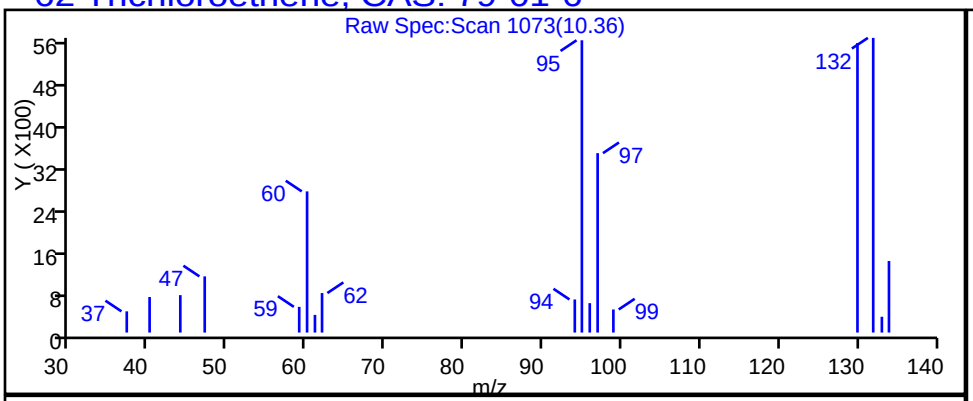
Report Date: 15-Dec-2015 08:29:43 Chrom Revision: 2.2 02-Dec-2015 11:51:48

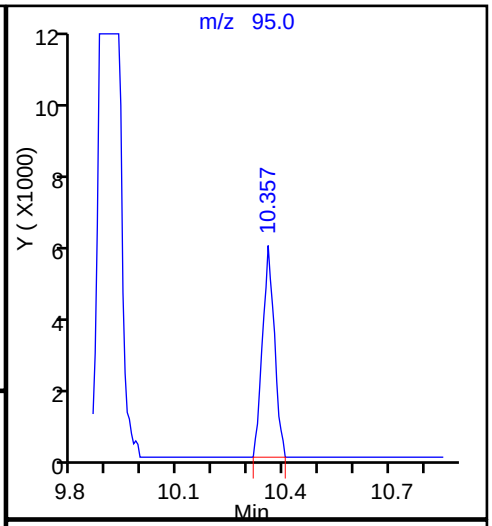
TestAmerica Buffalo

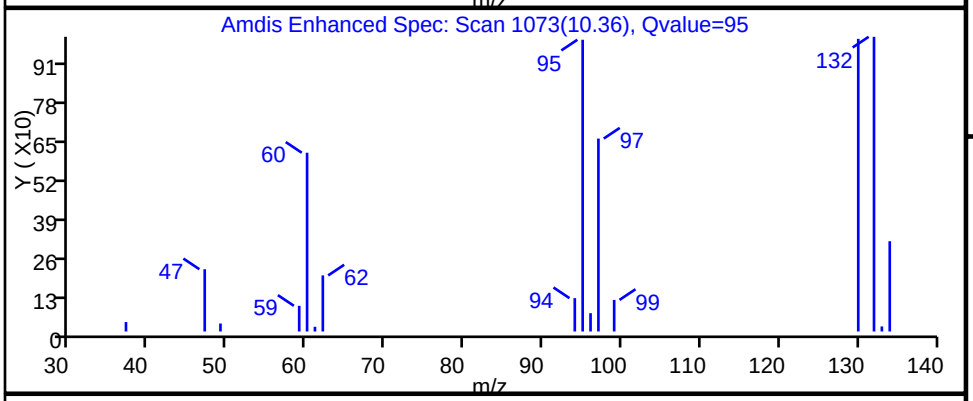
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D

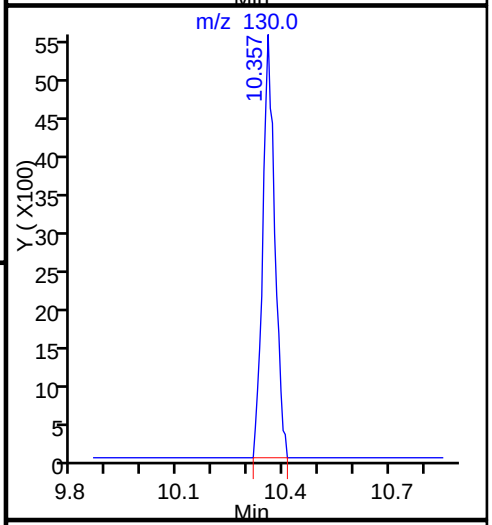
Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

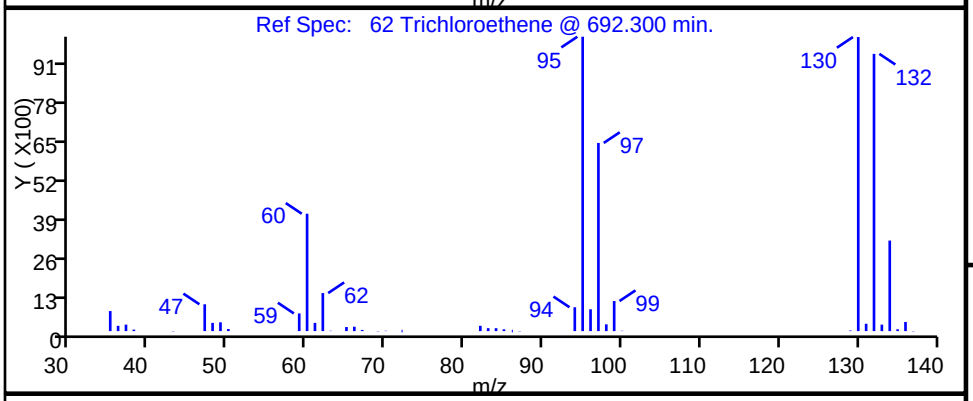
62 Trichloroethene, CAS: 79-01-6

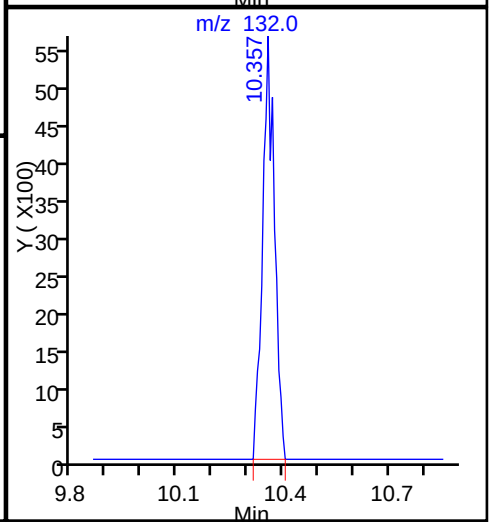


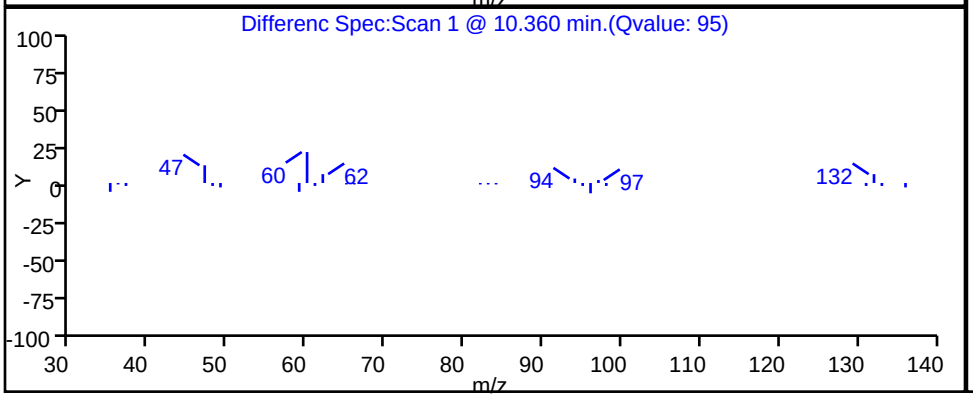












Manual Integration/User Assign Peak Report

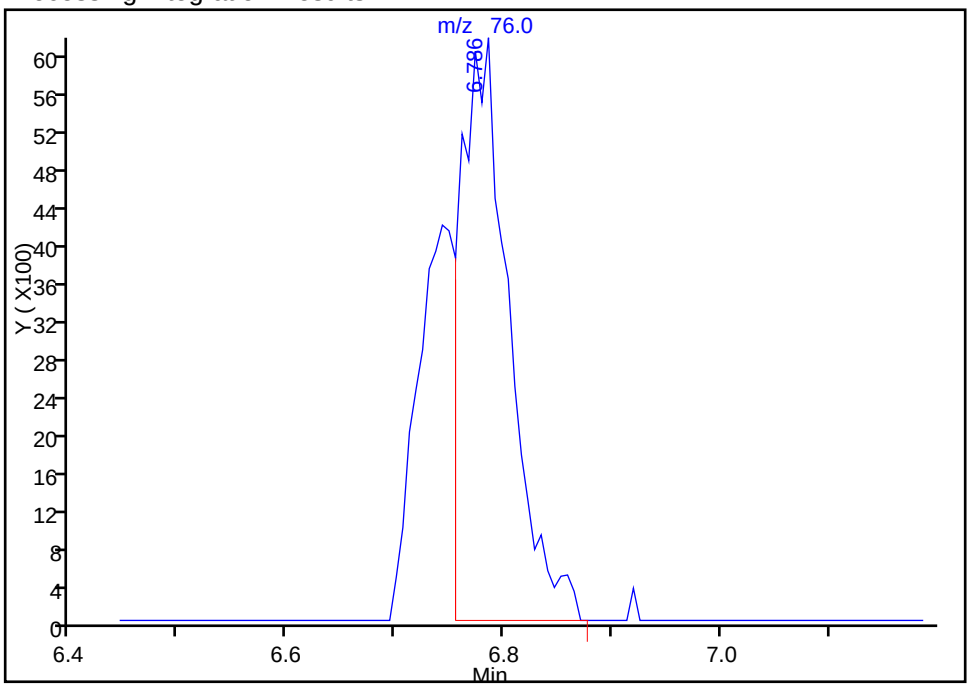
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2353.D				
Injection Date:	15-Dec-2015 03:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-3-B	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

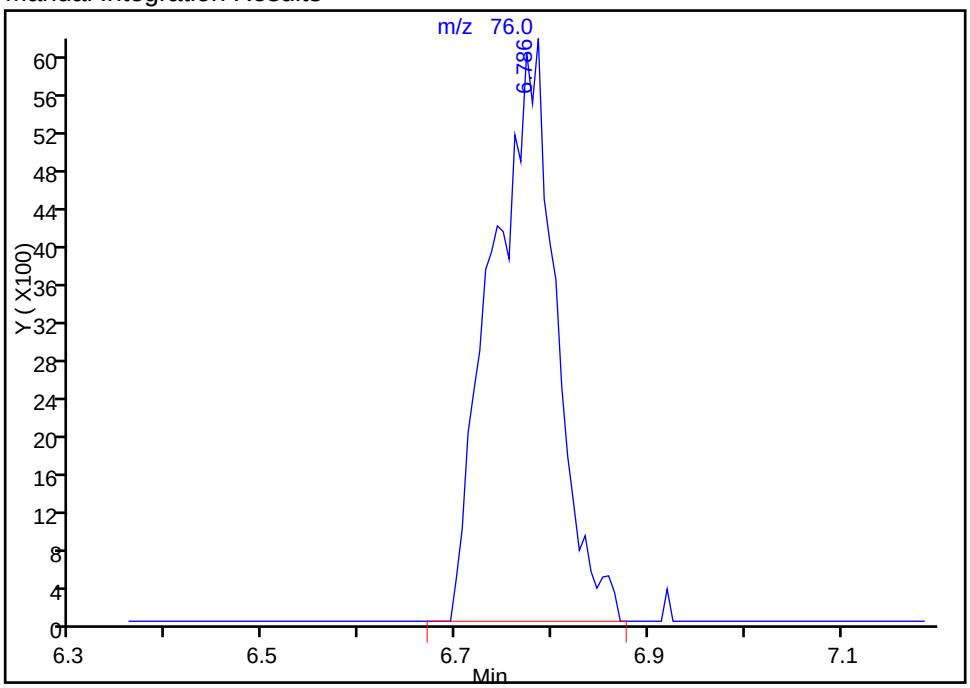
Processing Integration Results

RT: 6.79
Area: 19150
Amount: 0.617147
Amount Units: ug/L



Manual Integration Results

RT: 6.79
Area: 28089
Amount: 0.905224
Amount Units: ug/L



Reviewer: cwiklinc, 15-Dec-2015 08:28:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S2 DL | Lab Sample ID: 480-92332-3 DL

Matrix: Solid | Lab File ID: S6377.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:30

Sample wt/vol: 5.12(g) | Date Analyzed: 12/20/2015 18:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.2 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	170
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100	540
79-00-5	1,1,2-Trichloroethane	ND		1100	230
75-34-3	1,1-Dichloroethane	ND		1100	330
75-35-4	1,1-Dichloroethene	ND		1100	370
120-82-1	1,2,4-Trichlorobenzene	ND		1100	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	540
106-93-4	1,2-Dibromoethane	ND		1100	190
95-50-1	1,2-Dichlorobenzene	ND		1100	270
107-06-2	1,2-Dichloroethane	ND		1100	440
78-87-5	1,2-Dichloropropane	ND		1100	170
541-73-1	1,3-Dichlorobenzene	ND		1100	290
106-46-7	1,4-Dichlorobenzene	ND		1100	150
78-93-3	2-Butanone (MEK)	ND		5400	3200
591-78-6	2-Hexanone	ND		5400	2200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5400	340
67-64-1	Acetone	ND		5400	4400
71-43-2	Benzene	ND		1100	200
75-27-4	Bromodichloromethane	ND		1100	210
75-25-2	Bromoform	ND		1100	540
74-83-9	Bromomethane	ND		1100	240
75-15-0	Carbon disulfide	ND		1100	490
56-23-5	Carbon tetrachloride	ND		1100	270
108-90-7	Chlorobenzene	ND		1100	140
75-00-3	Chloroethane	ND		1100	220
67-66-3	Chloroform	ND		1100	740
74-87-3	Chloromethane	ND		1100	260
156-59-2	cis-1,2-Dichloroethene	6800		1100	300
10061-01-5	cis-1,3-Dichloropropene	ND		1100	260
110-82-7	Cyclohexane	ND		1100	240
124-48-1	Dibromochloromethane	ND		1100	520
75-71-8	Dichlorodifluoromethane	ND		1100	470
100-41-4	Ethylbenzene	ND		1100	310
98-82-8	Isopropylbenzene	ND		1100	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S2 DL | Lab Sample ID: 480-92332-3 DL

Matrix: Solid | Lab File ID: S6377.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:30

Sample wt/vol: 5.12(g) | Date Analyzed: 12/20/2015 18:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.2 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1100	510
1634-04-4	Methyl tert-butyl ether	ND		1100	410
108-87-2	Methylcyclohexane	ND		1100	500
75-09-2	Methylene Chloride	ND		1100	210
100-42-5	Styrene	ND		1100	260
127-18-4	Tetrachloroethene	310	J	1100	140
108-88-3	Toluene	ND		1100	290
156-60-5	trans-1,2-Dichloroethene	ND		1100	250
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	ND		1100	300
75-69-4	Trichlorofluoromethane	ND		1100	500
75-01-4	Vinyl chloride	ND		1100	360
1330-20-7	Xylenes, Total	ND		2100	600

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	96		49-148
2037-26-5	Toluene-d8 (Surr)	102		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6377.D
Lims ID: 480-92332-A-3-C Lab Sample ID: 480-92332-3
Client ID: B10-AREA2-S2
Sample Type: Client
Inject. Date: 20-Dec-2015 18:53:30 ALS Bottle#: 20 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-3-C
Misc. Info.: 480-0049418-019
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:03 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.398	0.006	97	94324	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	192434	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	95	181223	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	75805	25.9	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	95	469005	27.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	142247	26.2	
10 Dichlorodifluoromethane	85		1.243				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.504				ND	
14 Bromomethane	94		1.809				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.733				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.038				ND	
30 Methylene Chloride	84		3.159				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.372				ND	
39 1,1-Dichloroethane	63	3.792	3.786	0.006	1	2562	0.2690	
45 cis-1,2-Dichloroethene	96	4.340	4.339	0.001	72	30471	6.35	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.650				ND	
51 1,1,1-Trichloroethane	97		4.777				ND	
52 Cyclohexane	56		4.802				ND	
55 Carbon tetrachloride	117		4.923				ND	
57 Benzene	78		5.130				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95		5.745				ND	
64 Methylcyclohexane	83		5.879				ND	
65 1,2-Dichloropropane	63		5.976				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.822				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.430				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	26	1438	0.2860	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91		8.525				ND	
90 m-Xylene & p-Xylene	106		8.647				ND	
91 o-Xylene	106		9.066				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.153				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

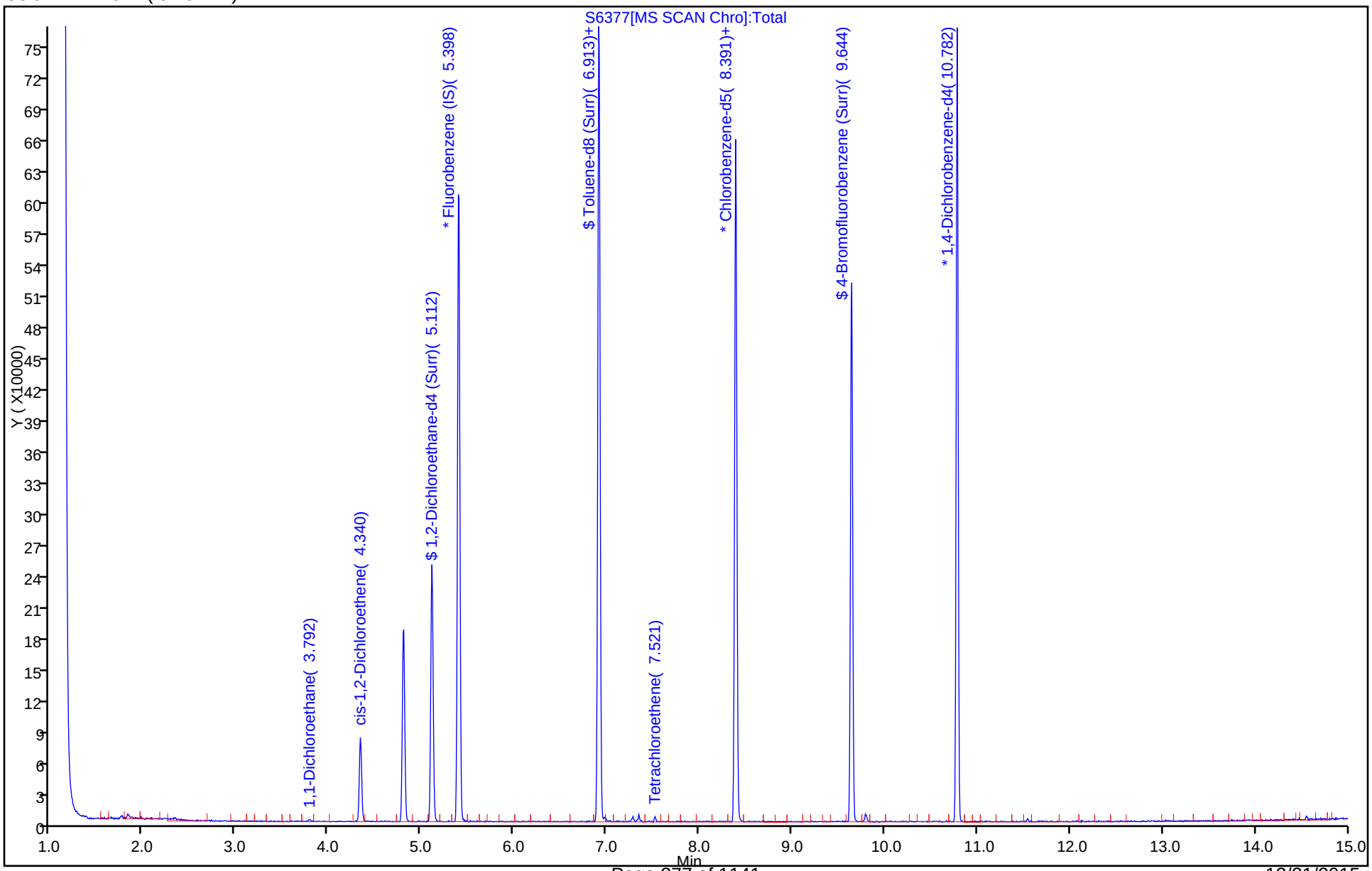
S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6377.D

Injection Date:	20-Dec-2015 18:53:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-3-C	Lab Sample ID:	480-92332-3	Worklist Smp#:	19
Client ID:	B10-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	20
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

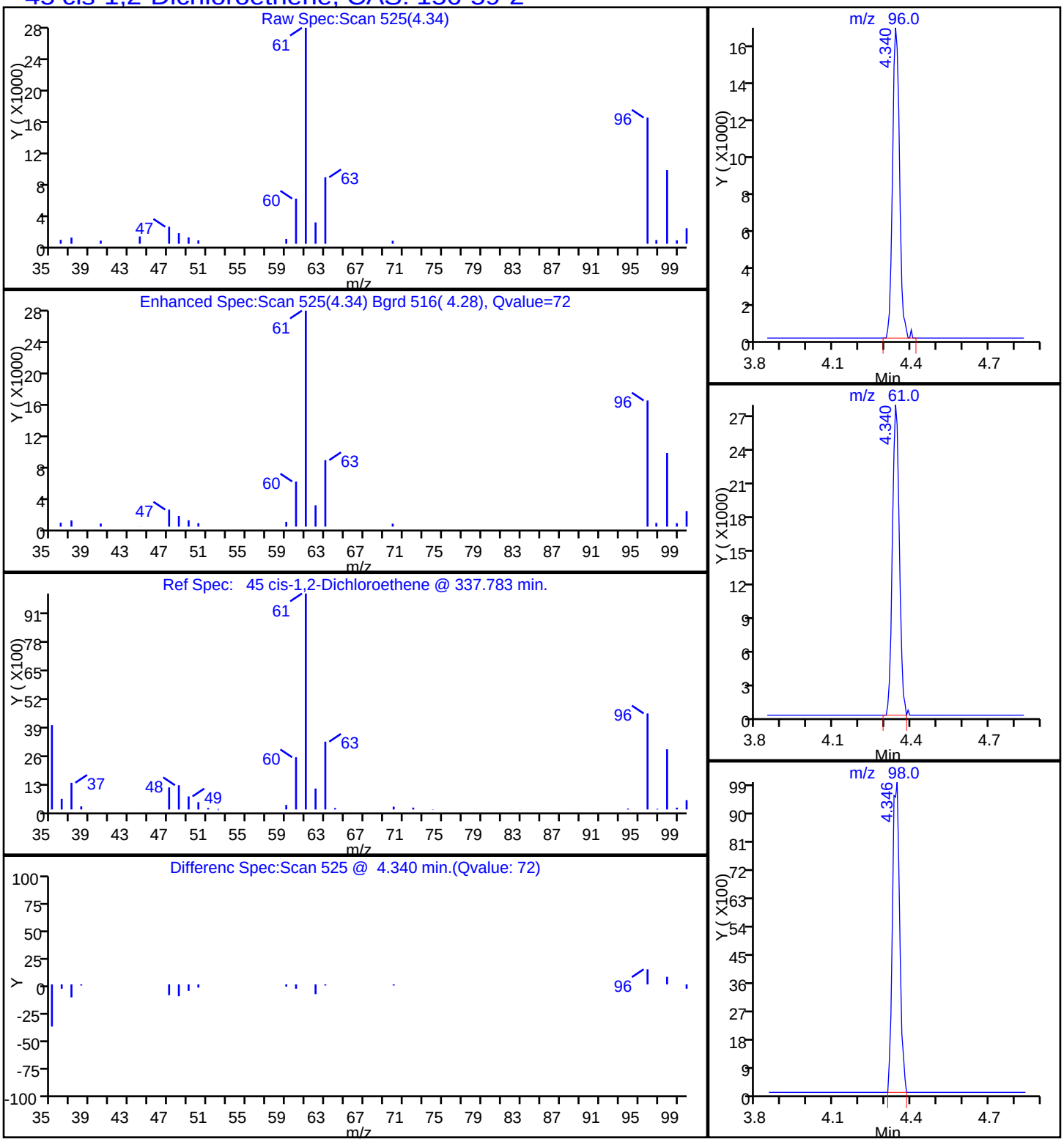
Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6377.D				
Injection Date:	20-Dec-2015 18:53:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-3-C	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	SO	ALS Bottle#:	20	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

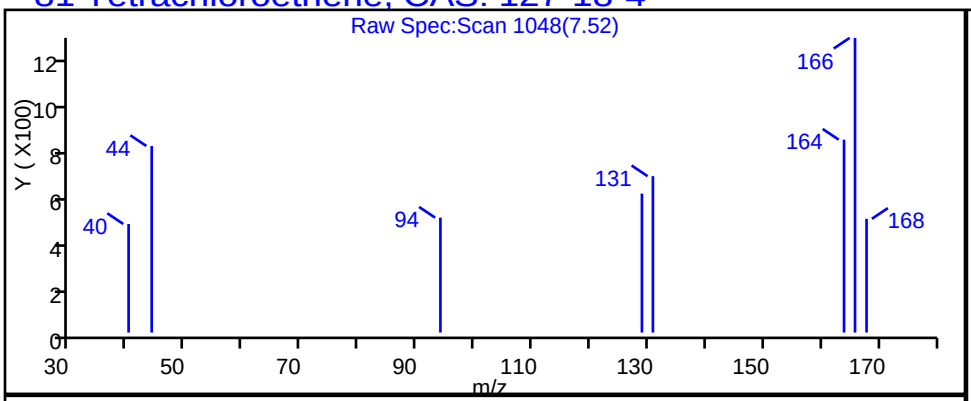


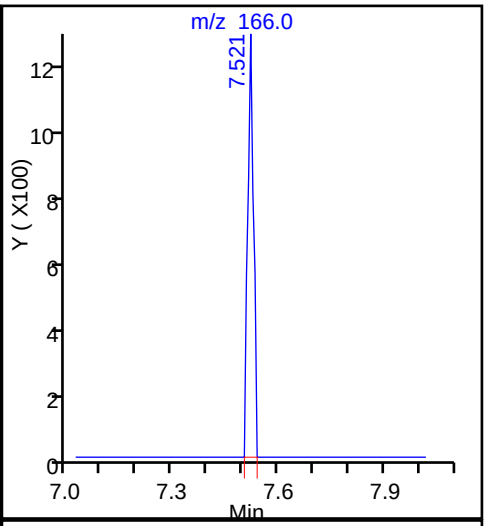
TestAmerica Buffalo

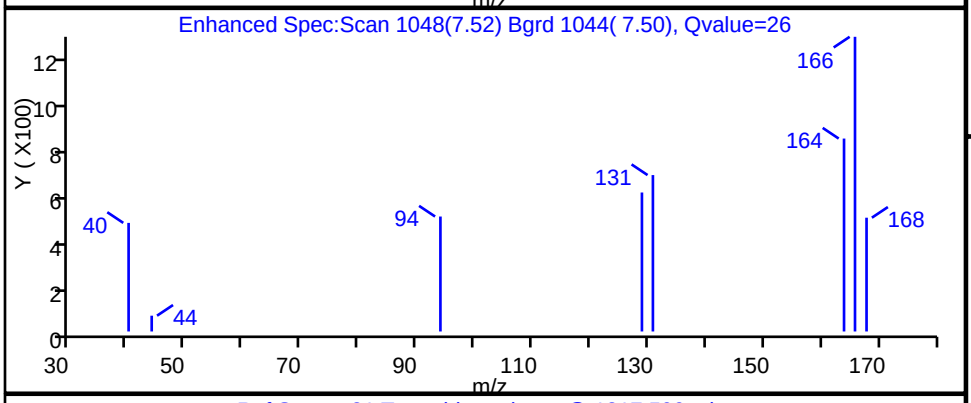
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6377.D

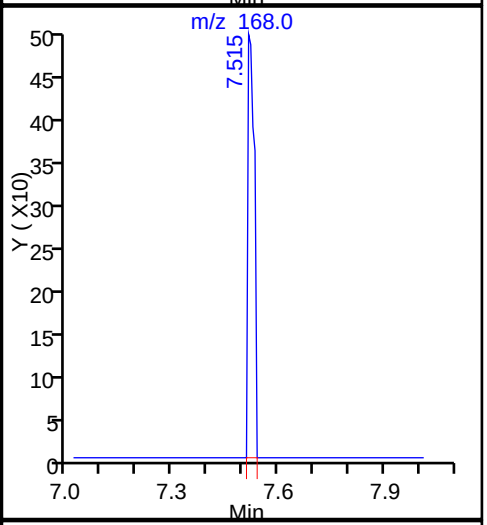
Injection Date:	20-Dec-2015 18:53:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-3-C	Lab Sample ID:	480-92332-3		
Client ID:	B10-AREA2-S2				
Operator ID:	SO	ALS Bottle#:	20	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

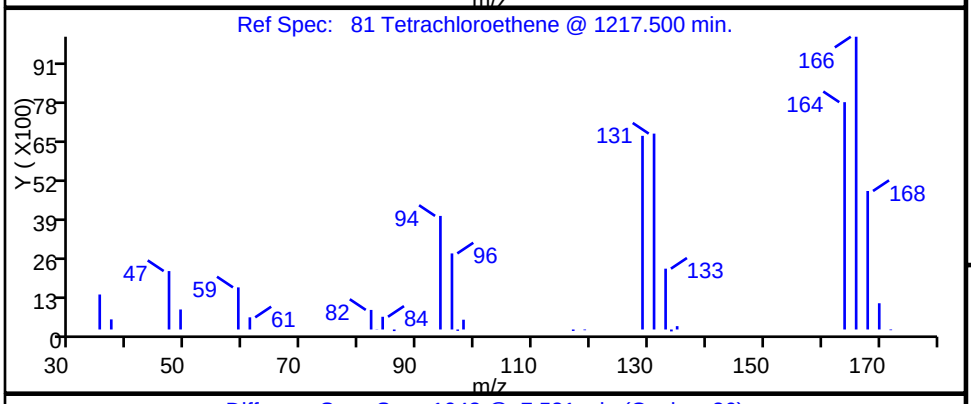
81 Tetrachloroethene, CAS: 127-18-4

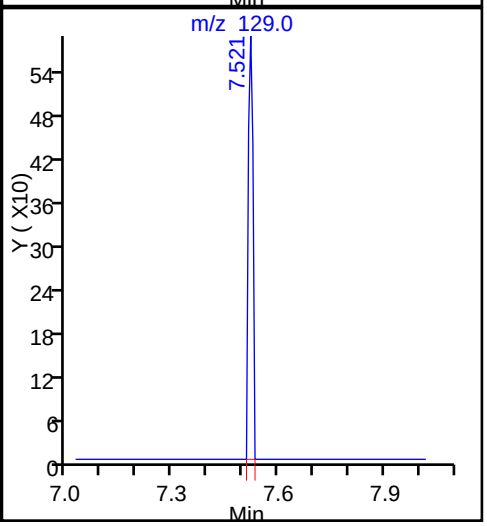


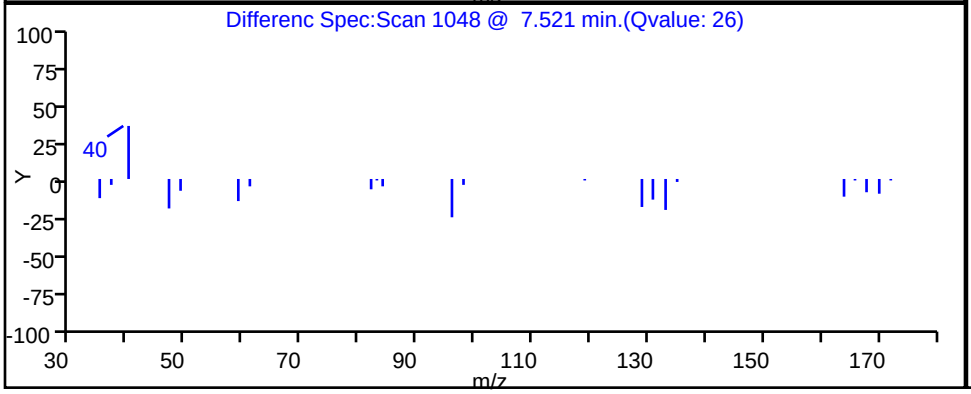












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S3 | Lab Sample ID: 480-92332-4

Matrix: Solid | Lab File ID: P2358.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:55

Sample wt/vol: 5.17(g) | Date Analyzed: 12/15/2015 05:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.7 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	ND		5.4	0.65
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	7.1	J B	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	5.8		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B10-AREA2-S3 | Lab Sample ID: 480-92332-4

Matrix: Solid | Lab File ID: P2358.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:55

Sample wt/vol: 5.17(g) | Date Analyzed: 12/15/2015 05:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.7 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.81
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.72
108-88-3	Toluene	ND		5.4	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.65
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
460-00-4	4-Bromofluorobenzene (Surr)	86		72-126
2037-26-5	Toluene-d8 (Surr)	107		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2358.D
Lims ID: 480-92332-A-4-A Lab Sample ID: 480-92332-4
Client ID: B10-AREA2-S3
Sample Type: Client
Inject. Date: 15-Dec-2015 05:37:30 ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-4-A
Misc. Info.: 480-0049221-015
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 08:33:58 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 08:34:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.900	0.006	97	283662	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	-0.001	89	502742	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	392773	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.535	0.000	0	214678	49.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	1171400	53.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	330005	43.1	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.396	6.396	0.000	99	21636	6.66	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.731	6.773	-0.042	100	16307	0.5562	
31 Methylene Chloride	84	6.986	6.986	0.000	95	26827	0.7956	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	93	9716	0.5475	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.526	0.006	84	47128	5.44	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

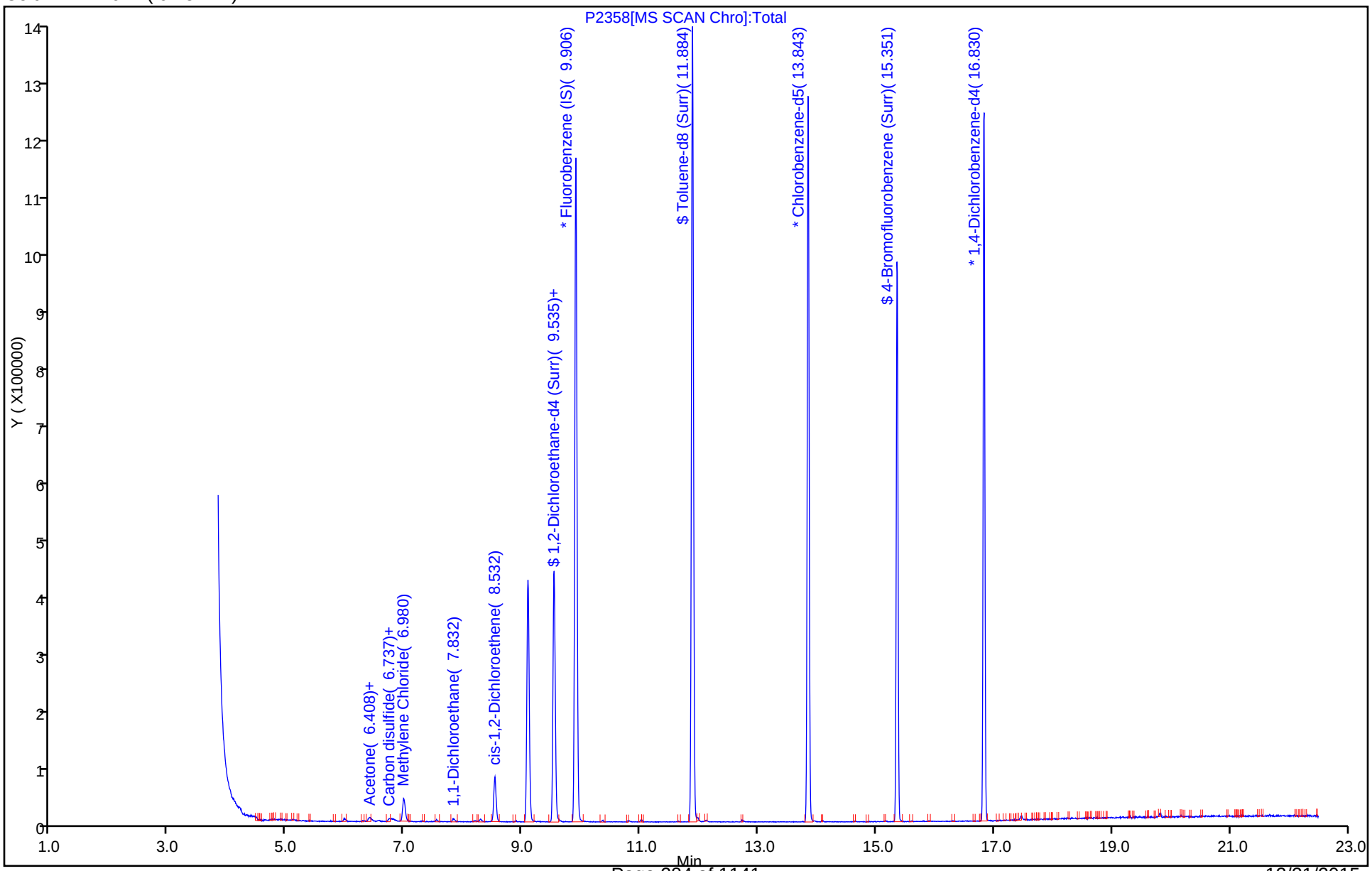
Report Date: 15-Dec-2015 08:34:40 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2358.D

Injection Date:	15-Dec-2015 05:37:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-4-A	Lab Sample ID:	480-92332-4	Worklist Smp#:	15
Client ID:	B10-AREA2-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

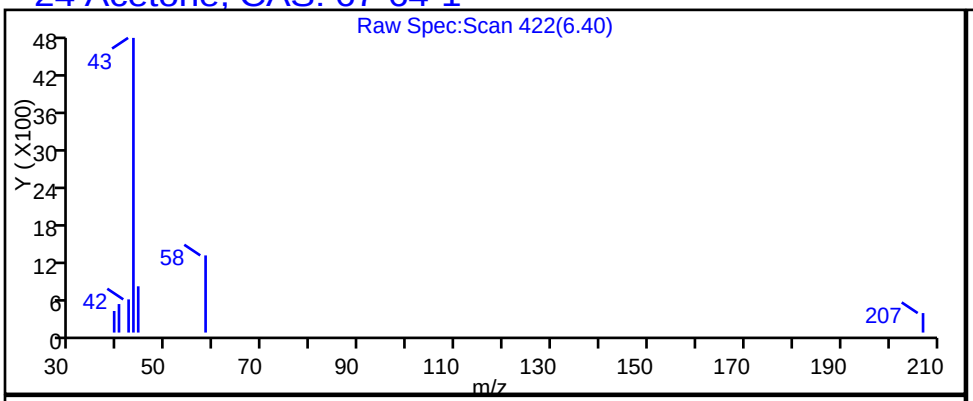
Column: ZB-624 (0.25 mm)

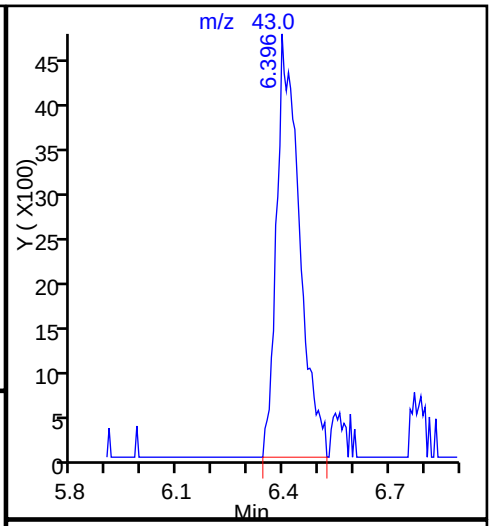


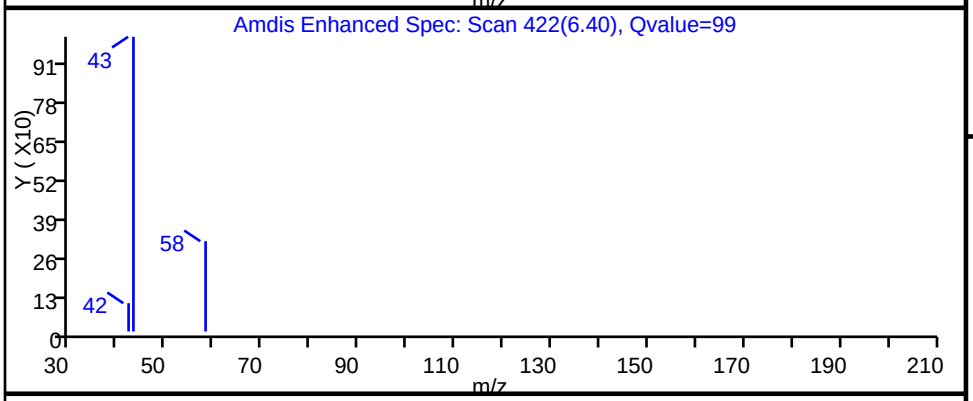
TestAmerica Buffalo

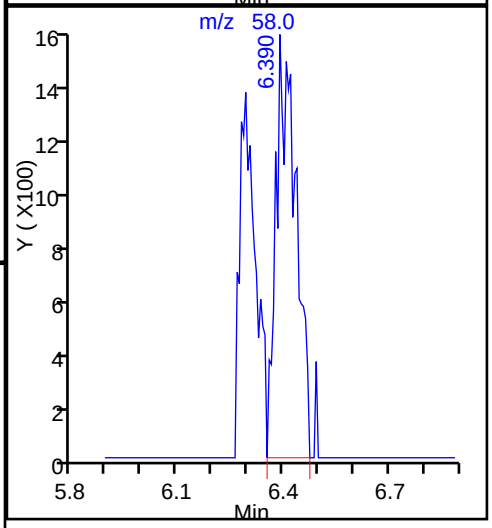
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2358.D				
Injection Date:	15-Dec-2015 05:37:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-4-A	Lab Sample ID:	480-92332-4		
Client ID:	B10-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	16	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

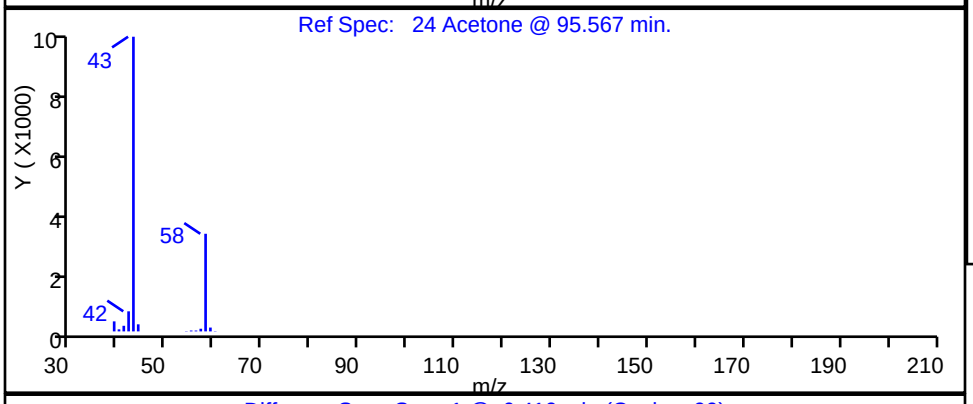
24 Acetone, CAS: 67-64-1

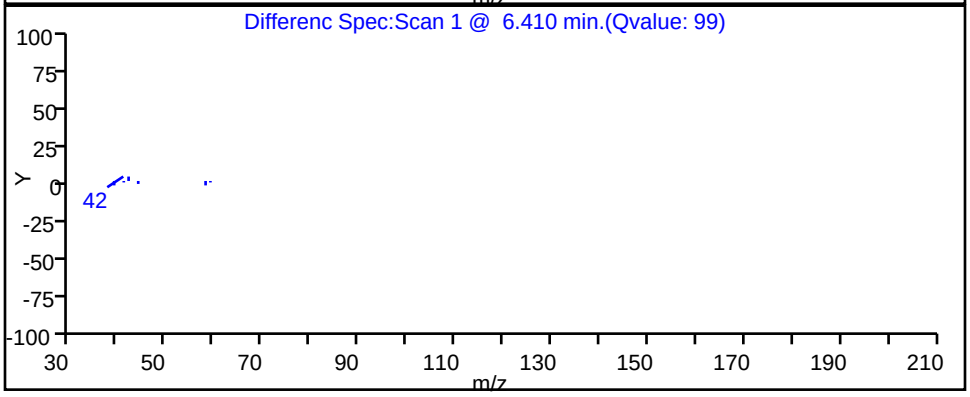












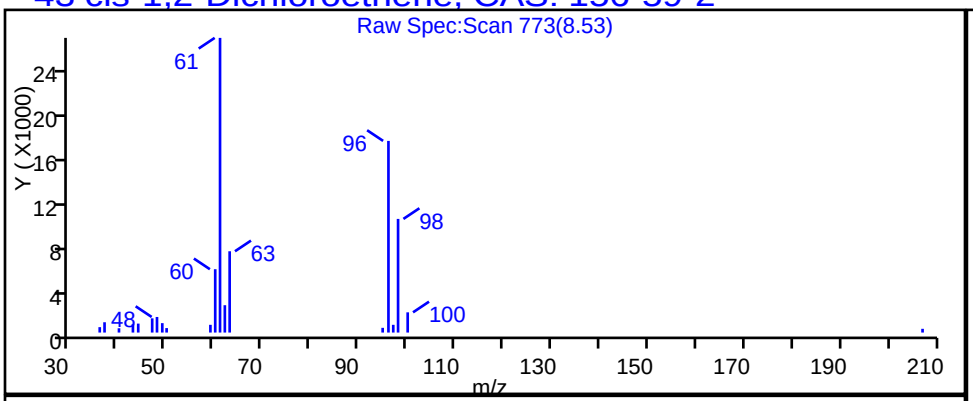
Report Date: 15-Dec-2015 08:34:41 Chrom Revision: 2.2 02-Dec-2015 11:51:48

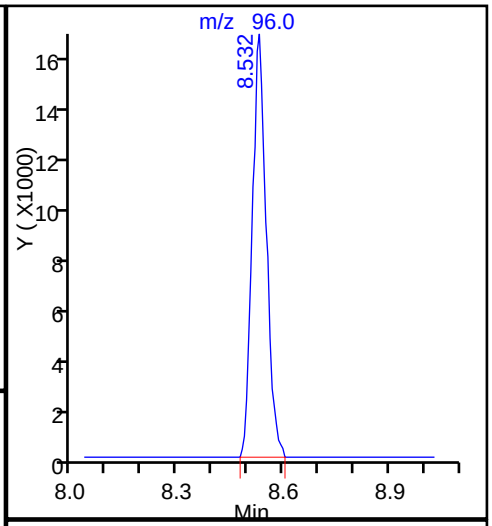
TestAmerica Buffalo

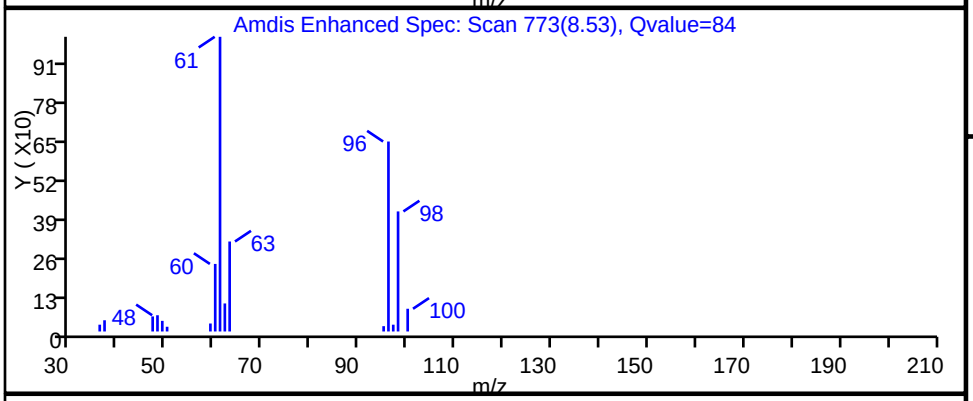
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2358.D

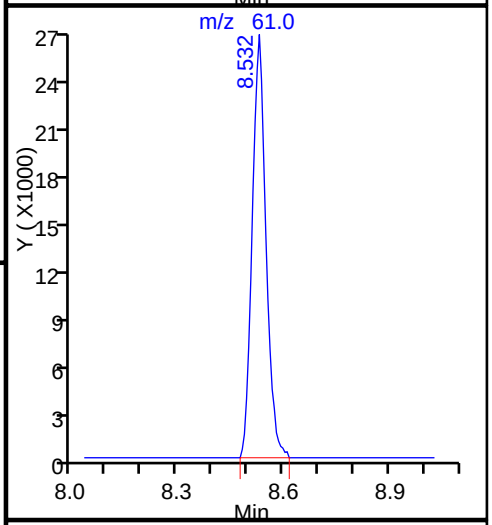
Injection Date:	15-Dec-2015 05:37:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-4-A	Lab Sample ID:	480-92332-4		
Client ID:	B10-AREA2-S3				
Operator ID:	NMD	ALS Bottle#:	16	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

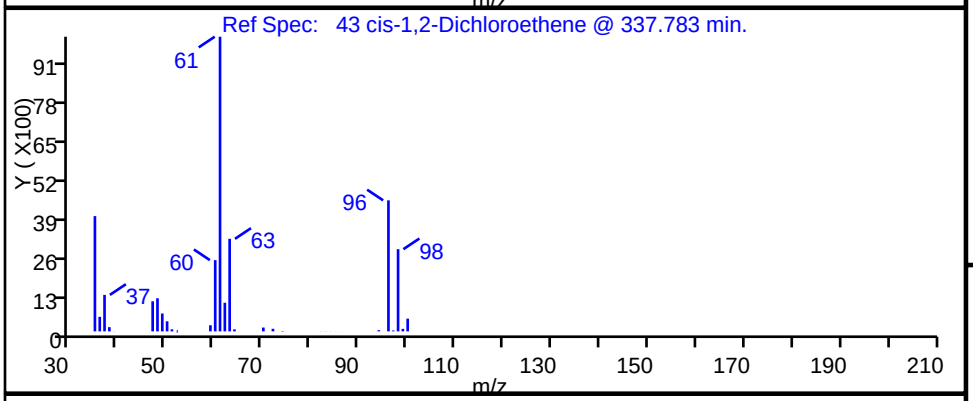
43 cis-1,2-Dichloroethene, CAS: 156-59-2

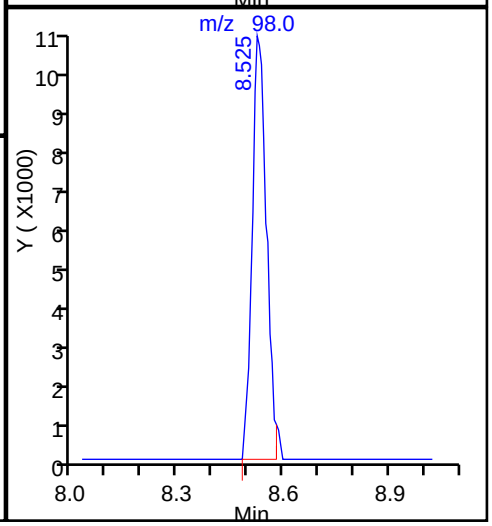


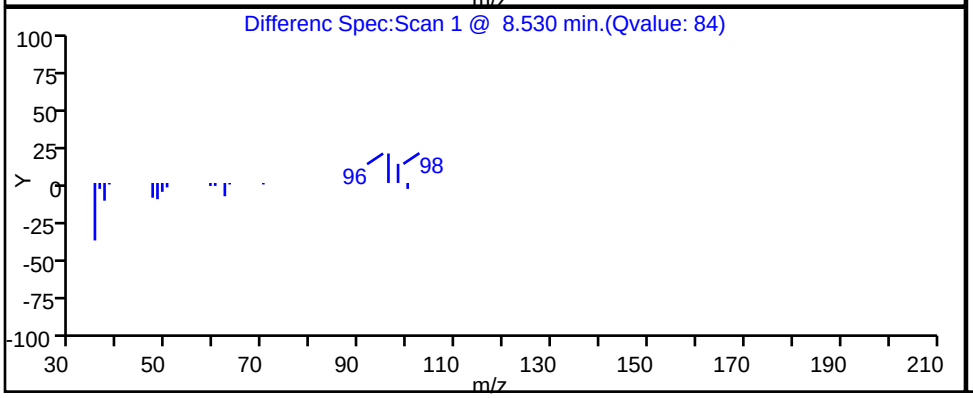












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B11-AREA2-S1 | Lab Sample ID: 480-92332-5

Matrix: Solid | Lab File ID: P2359.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:05

Sample wt/vol: 5.75(g) | Date Analyzed: 12/15/2015 06:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.7	0.34
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.7	0.76
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.7	0.61
75-34-3	1,1-Dichloroethane	110		4.7	0.57
75-35-4	1,1-Dichloroethene	ND		4.7	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		4.7	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.7	2.4
106-93-4	1,2-Dibromoethane	ND		4.7	0.60
95-50-1	1,2-Dichlorobenzene	ND		4.7	0.37
107-06-2	1,2-Dichloroethane	ND		4.7	0.24
78-87-5	1,2-Dichloropropane	ND		4.7	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.7	0.24
106-46-7	1,4-Dichlorobenzene	ND		4.7	0.66
78-93-3	2-Butanone (MEK)	ND		24	1.7
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.5
67-64-1	Acetone	ND		24	4.0
71-43-2	Benzene	ND		4.7	0.23
75-27-4	Bromodichloromethane	ND		4.7	0.63
75-25-2	Bromoform	ND		4.7	2.4
74-83-9	Bromomethane	ND		4.7	0.42
75-15-0	Carbon disulfide	ND		4.7	2.4
56-23-5	Carbon tetrachloride	ND		4.7	0.46
108-90-7	Chlorobenzene	ND		4.7	0.62
75-00-3	Chloroethane	ND		4.7	1.1
67-66-3	Chloroform	ND		4.7	0.29
74-87-3	Chloromethane	ND		4.7	0.28
156-59-2	cis-1,2-Dichloroethene	530	E	4.7	0.60
10061-01-5	cis-1,3-Dichloropropene	ND		4.7	0.68
110-82-7	Cyclohexane	ND		4.7	0.66
124-48-1	Dibromochloromethane	ND		4.7	0.60
75-71-8	Dichlorodifluoromethane	ND		4.7	0.39
100-41-4	Ethylbenzene	ND		4.7	0.32
98-82-8	Isopropylbenzene	ND		4.7	0.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B11-AREA2-S1 | Lab Sample ID: 480-92332-5

Matrix: Solid | Lab File ID: P2359.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:05

Sample wt/vol: 5.75(g) | Date Analyzed: 12/15/2015 06:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.7	2.8
1634-04-4	Methyl tert-butyl ether	ND		4.7	0.46
108-87-2	Methylcyclohexane	ND		4.7	0.72
75-09-2	Methylene Chloride	ND		4.7	2.2
100-42-5	Styrene	ND		4.7	0.24
127-18-4	Tetrachloroethene	ND		4.7	0.63
108-88-3	Toluene	ND		4.7	0.36
156-60-5	trans-1,2-Dichloroethene	ND		4.7	0.49
10061-02-6	trans-1,3-Dichloropropene	ND		4.7	2.1
79-01-6	Trichloroethene	ND		4.7	1.0
75-69-4	Trichlorofluoromethane	ND		4.7	0.45
75-01-4	Vinyl chloride	11		4.7	0.57
1330-20-7	Xylenes, Total	ND		9.4	0.79

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2359.D
Lims ID: 480-92332-A-5-A Lab Sample ID: 480-92332-5
Client ID: B11-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 06:04:30 ALS Bottle#: 17 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-5-A
Misc. Info.: 480-0049221-016
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 08:33:58 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 08:35:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	302922	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	588380	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	492270	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.535	0.000	0	253973	54.2	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	1305801	50.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	416615	46.5	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	78273	11.5	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.408	6.396	0.012	97	12836	3.70	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.774	6.773	0.001	59	7143	0.2281	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.321	7.303	0.018	95	2540	0.2978	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	2179267	115.0	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	86	5224907	564.9	E
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.357	10.351	0.006	88	2165	0.2393	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

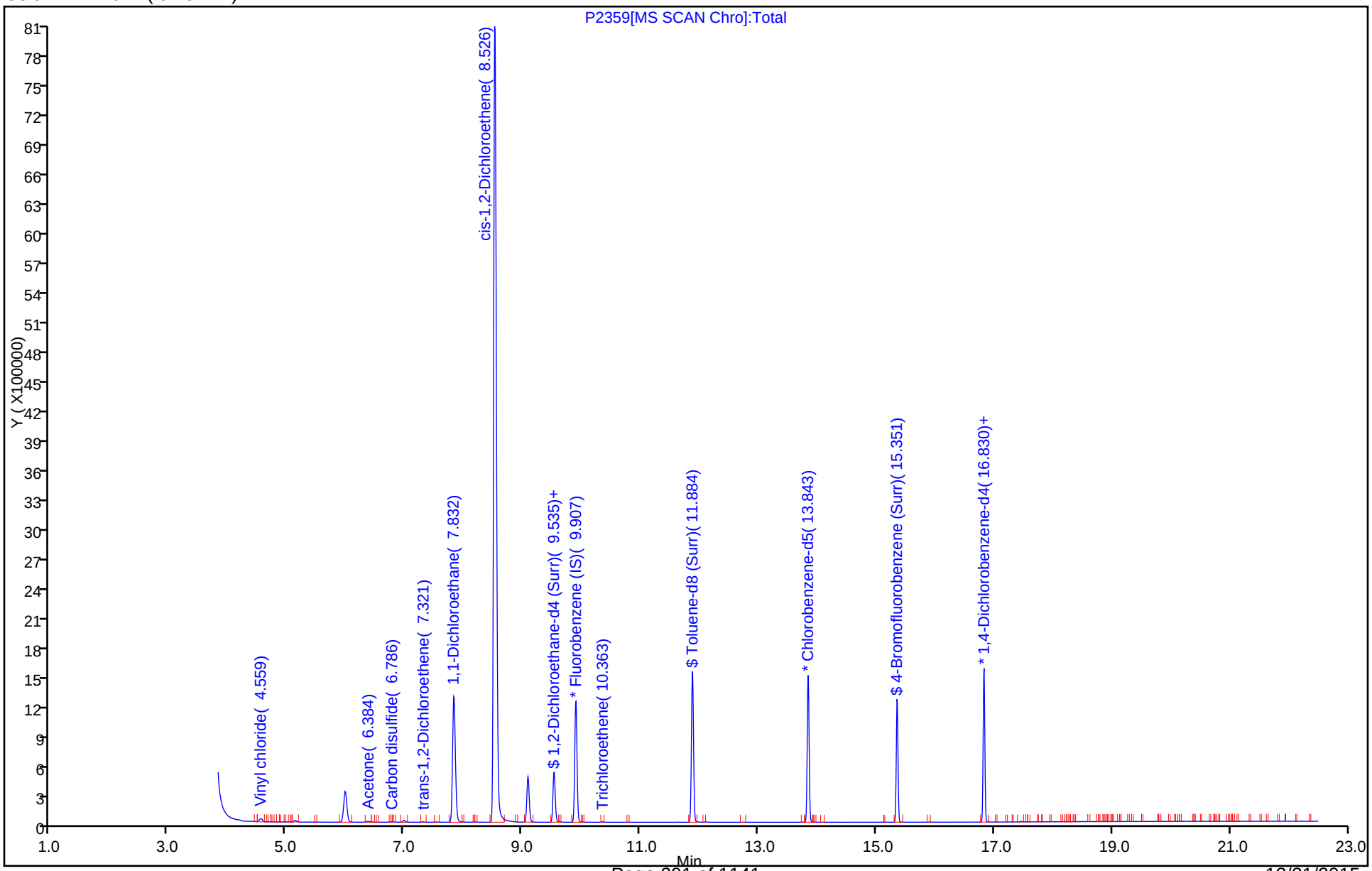
Report Date: 15-Dec-2015 08:35:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2359.D

Injection Date:	15-Dec-2015 06:04:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-5-A	Lab Sample ID:	480-92332-5	Worklist Smp#:	16
Client ID:	B11-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



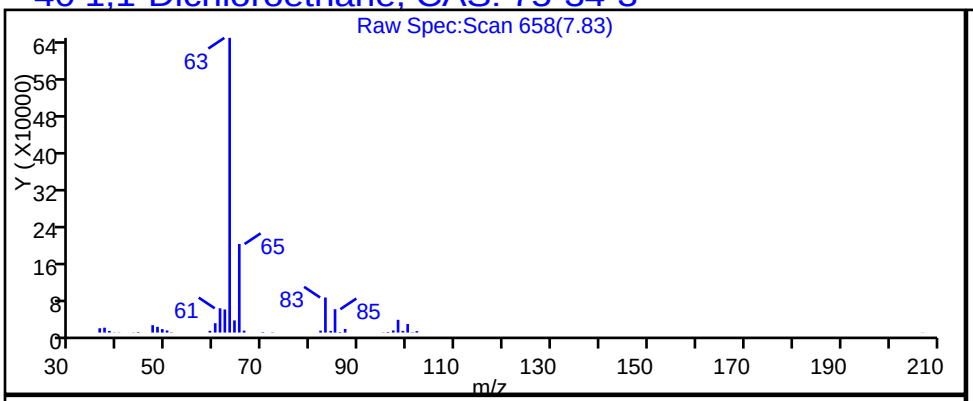
Report Date: 15-Dec-2015 08:35:33 Chrom Revision: 2.2 02-Dec-2015 11:51:48

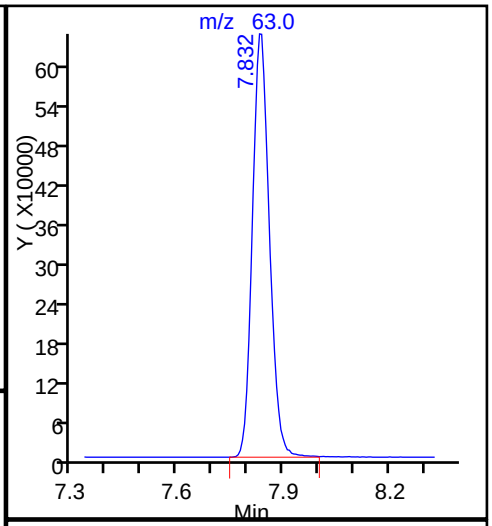
TestAmerica Buffalo

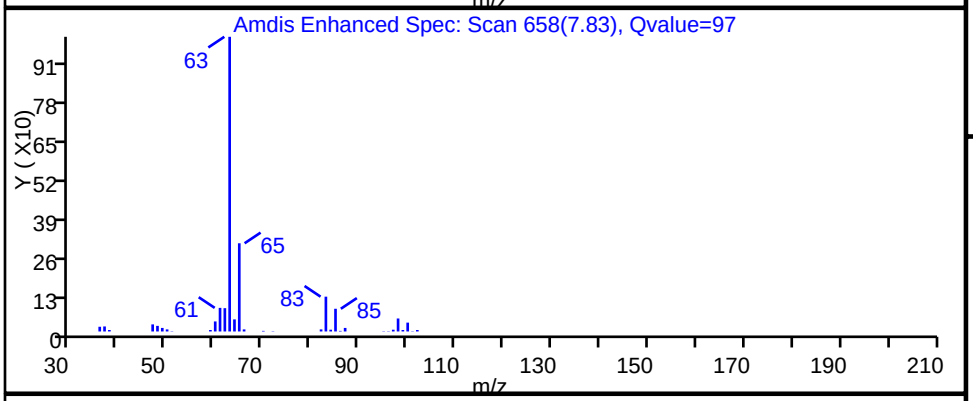
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2359.D

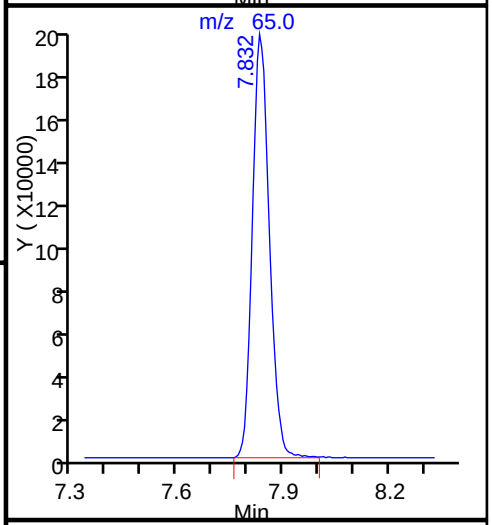
Injection Date:	15-Dec-2015 06:04:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-5-A	Lab Sample ID:	480-92332-5		
Client ID:	B11-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	17	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

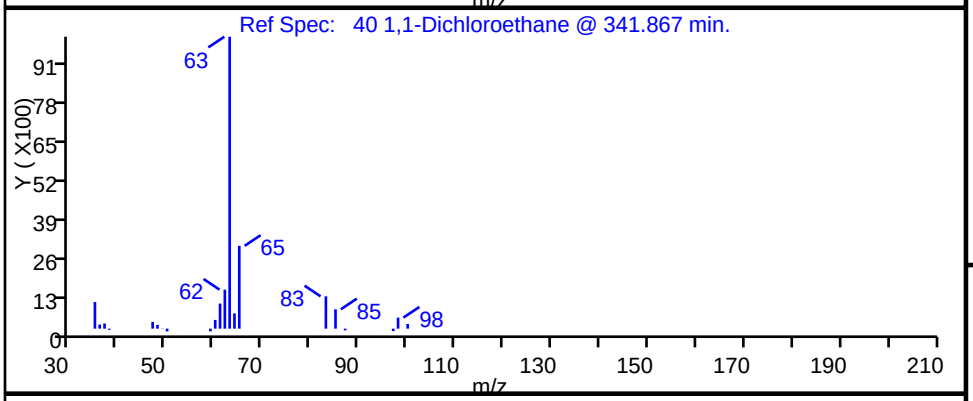
40 1,1-Dichloroethane, CAS: 75-34-3

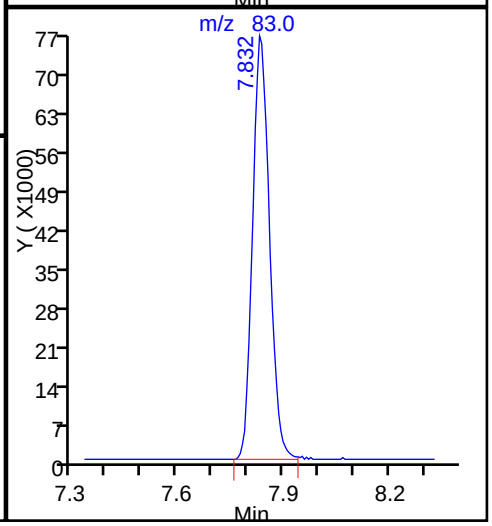


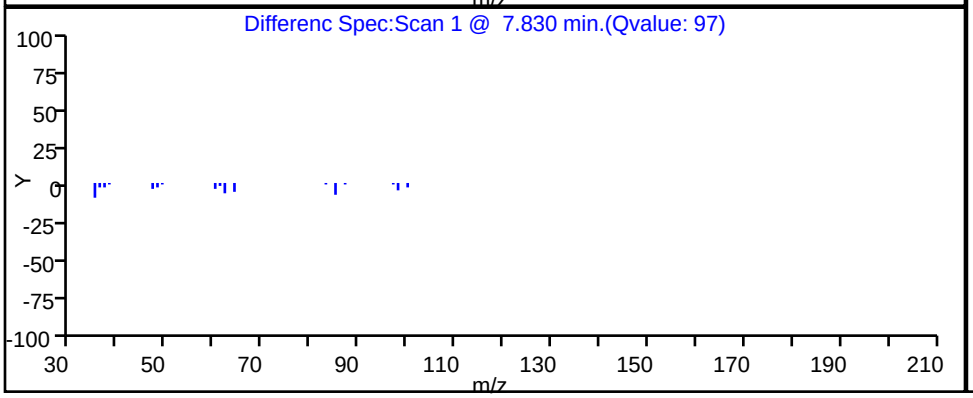












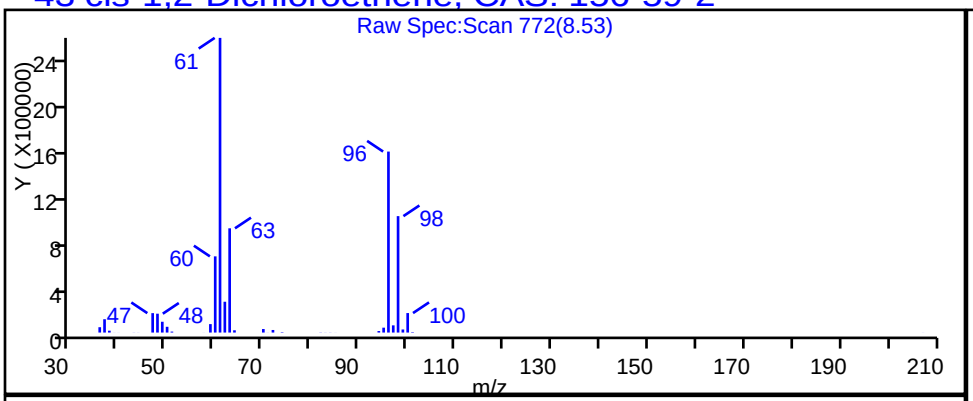
Report Date: 15-Dec-2015 08:35:33 Chrom Revision: 2.2 02-Dec-2015 11:51:48

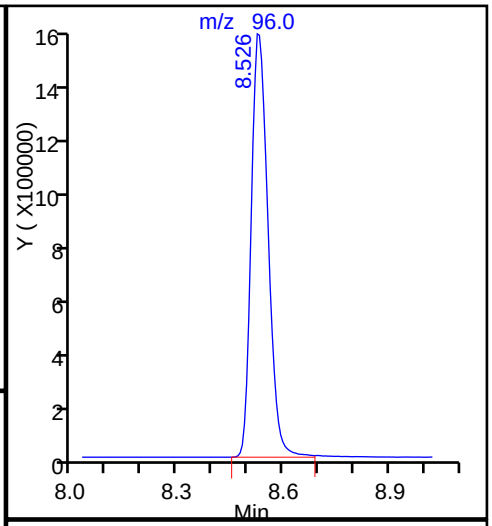
TestAmerica Buffalo

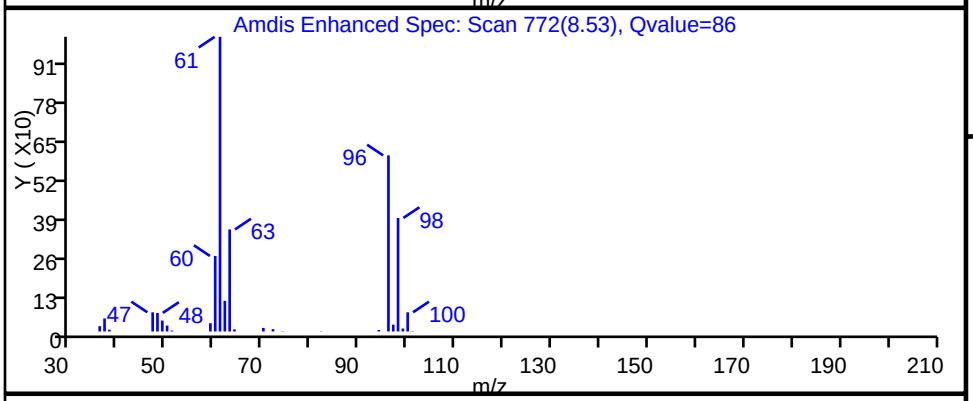
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2359.D

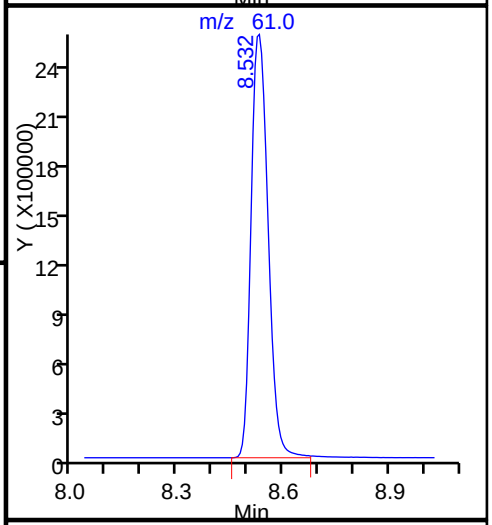
Injection Date:	15-Dec-2015 06:04:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-5-A	Lab Sample ID:	480-92332-5		
Client ID:	B11-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	17	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

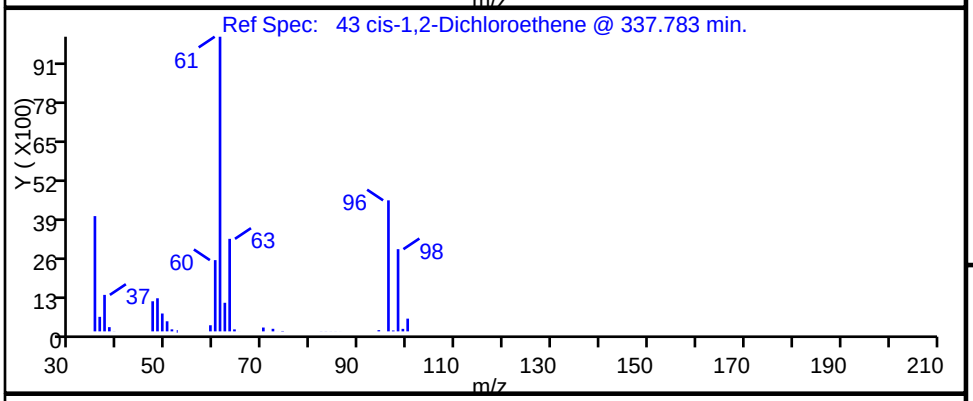
43 cis-1,2-Dichloroethene, CAS: 156-59-2

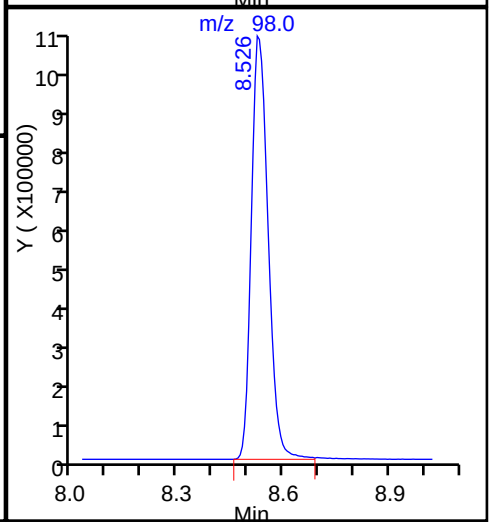


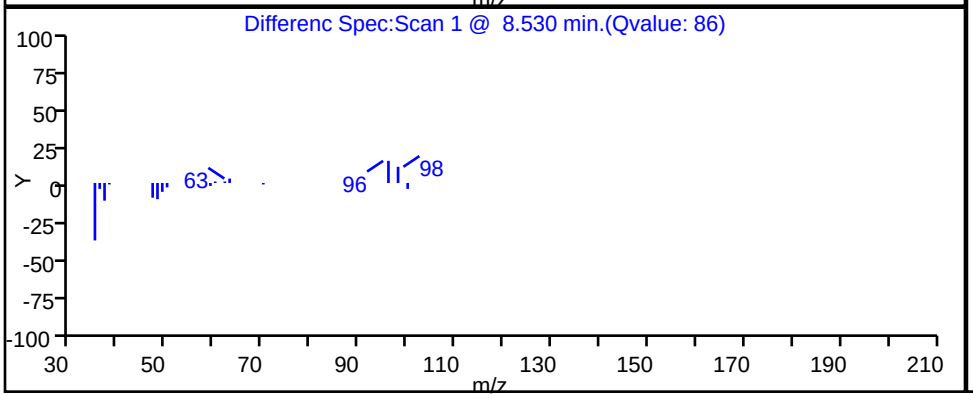












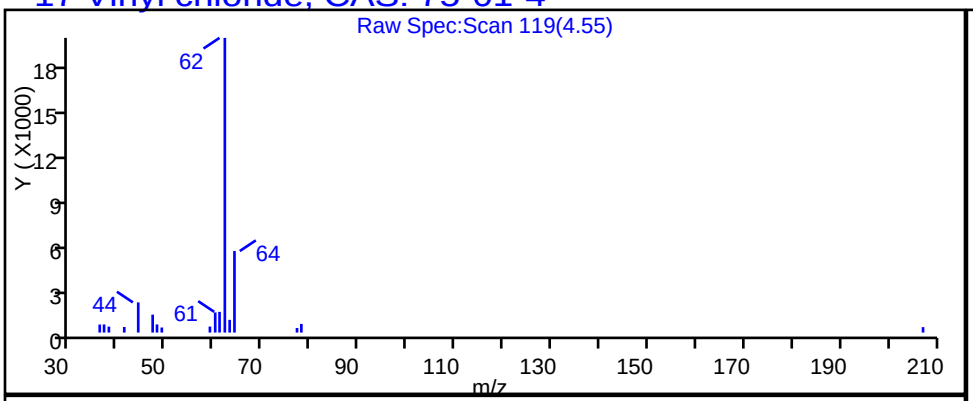
Report Date: 15-Dec-2015 08:35:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

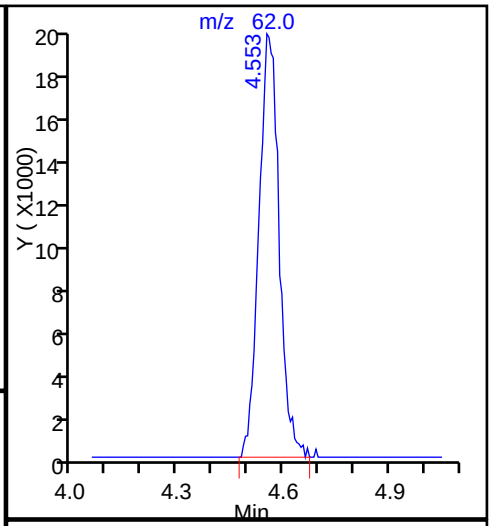
TestAmerica Buffalo

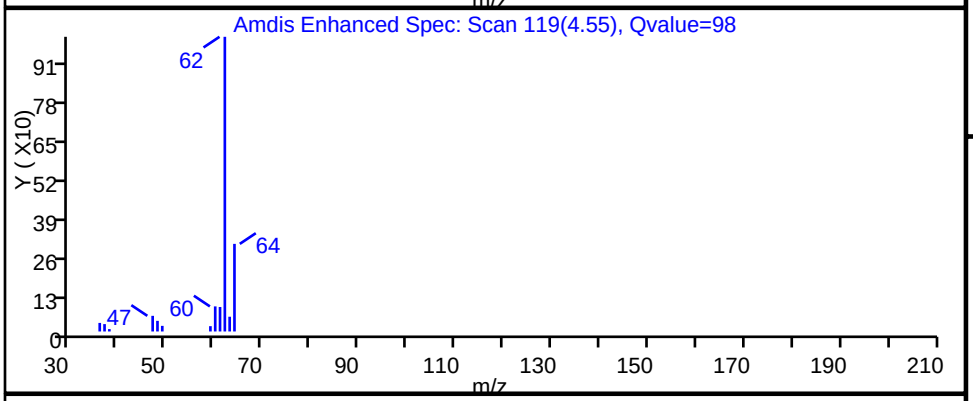
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2359.D

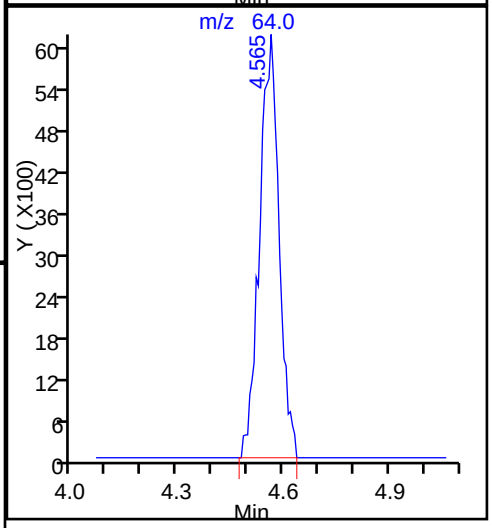
Injection Date:	15-Dec-2015 06:04:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-5-A	Lab Sample ID:	480-92332-5		
Client ID:	B11-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	17	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

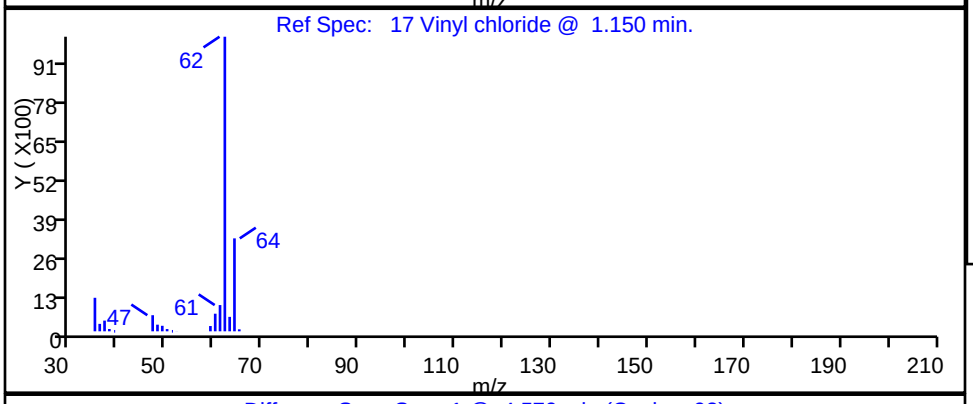
17 Vinyl chloride, CAS: 75-01-4

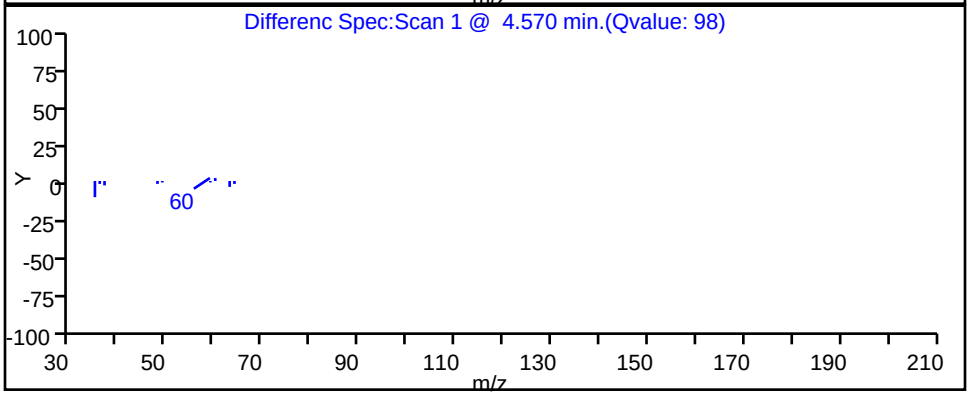












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B11-AREA2-S1 DL | Lab Sample ID: 480-92332-5 DL

Matrix: Solid | Lab File ID: S6378.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:05

Sample wt/vol: 5.05(g) | Date Analyzed: 12/20/2015 19:16

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		450	120
79-34-5	1,1,2,2-Tetrachloroethane	ND		450	72
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450	220
79-00-5	1,1,2-Trichloroethane	ND		450	94
75-34-3	1,1-Dichloroethane	2100		450	140
75-35-4	1,1-Dichloroethene	ND		450	150
120-82-1	1,2,4-Trichlorobenzene	ND		450	170
96-12-8	1,2-Dibromo-3-Chloropropane	ND		450	220
106-93-4	1,2-Dibromoethane	ND		450	78
95-50-1	1,2-Dichlorobenzene	ND		450	110
107-06-2	1,2-Dichloroethane	ND		450	180
78-87-5	1,2-Dichloropropane	ND		450	72
541-73-1	1,3-Dichlorobenzene	ND		450	120
106-46-7	1,4-Dichlorobenzene	ND		450	62
78-93-3	2-Butanone (MEK)	ND		2200	1300
591-78-6	2-Hexanone	ND		2200	910
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2200	140
67-64-1	Acetone	ND		2200	1800
71-43-2	Benzene	ND		450	85
75-27-4	Bromodichloromethane	ND		450	89
75-25-2	Bromoform	ND		450	220
74-83-9	Bromomethane	ND		450	98
75-15-0	Carbon disulfide	ND		450	200
56-23-5	Carbon tetrachloride	ND		450	110
108-90-7	Chlorobenzene	ND		450	59
75-00-3	Chloroethane	ND		450	93
67-66-3	Chloroform	ND		450	310
74-87-3	Chloromethane	ND		450	110
156-59-2	cis-1,2-Dichloroethene	12000		450	120
10061-01-5	cis-1,3-Dichloropropene	ND		450	110
110-82-7	Cyclohexane	ND		450	99
124-48-1	Dibromochloromethane	ND		450	220
75-71-8	Dichlorodifluoromethane	ND		450	190
100-41-4	Ethylbenzene	ND		450	130
98-82-8	Isopropylbenzene	ND		450	67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B11-AREA2-S1 DL | Lab Sample ID: 480-92332-5 DL

Matrix: Solid | Lab File ID: S6378.D

Analysis Method: 8260C | Date Collected: 12/07/2015 13:05

Sample wt/vol: 5.05(g) | Date Analyzed: 12/20/2015 19:16

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		450	210
1634-04-4	Methyl tert-butyl ether	ND		450	170
108-87-2	Methylcyclohexane	ND		450	210
75-09-2	Methylene Chloride	ND		450	88
100-42-5	Styrene	ND		450	110
127-18-4	Tetrachloroethene	ND		450	60
108-88-3	Toluene	ND		450	120
156-60-5	trans-1,2-Dichloroethene	ND		450	110
10061-02-6	trans-1,3-Dichloropropene	ND		450	44
79-01-6	Trichloroethene	ND		450	120
75-69-4	Trichlorofluoromethane	ND		450	210
75-01-4	Vinyl chloride	ND		450	150
1330-20-7	Xylenes, Total	ND		890	250

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		53-146
460-00-4	4-Bromofluorobenzene (Surr)	98		49-148
2037-26-5	Toluene-d8 (Surr)	103		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6378.D
Lims ID: 480-92332-A-5-C Lab Sample ID: 480-92332-5
Client ID: B11-AREA2-S1
Sample Type: Client
Inject. Date: 20-Dec-2015 19:16:30 ALS Bottle#: 21 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-92332-A-5-C
Misc. Info.: 480-0049418-020
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:10 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	97	95365	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	192676	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	95	182188	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	77577	26.2	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	474341	27.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	144515	26.6	
10 Dichlorodifluoromethane	85		1.243				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.504				ND	
14 Bromomethane	94		1.809				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.733				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.038				ND	
30 Methylene Chloride	84		3.159				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.372				ND	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	73	44487	4.62	
45 cis-1,2-Dichloroethene	96	4.340	4.339	0.001	74	125950	26.0	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.650				ND	
51 1,1,1-Trichloroethane	97		4.777				ND	
52 Cyclohexane	56		4.802				ND	
55 Carbon tetrachloride	117		4.923				ND	
57 Benzene	78		5.130				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95		5.745				ND	
64 Methylcyclohexane	83		5.879				ND	
65 1,2-Dichloropropane	63		5.976				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.822				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.430				ND	
81 Tetrachloroethene	166		7.521				ND	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91		8.525				ND	
90 m-Xylene & p-Xylene	106		8.647				ND	
91 o-Xylene	106		9.066				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.153				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

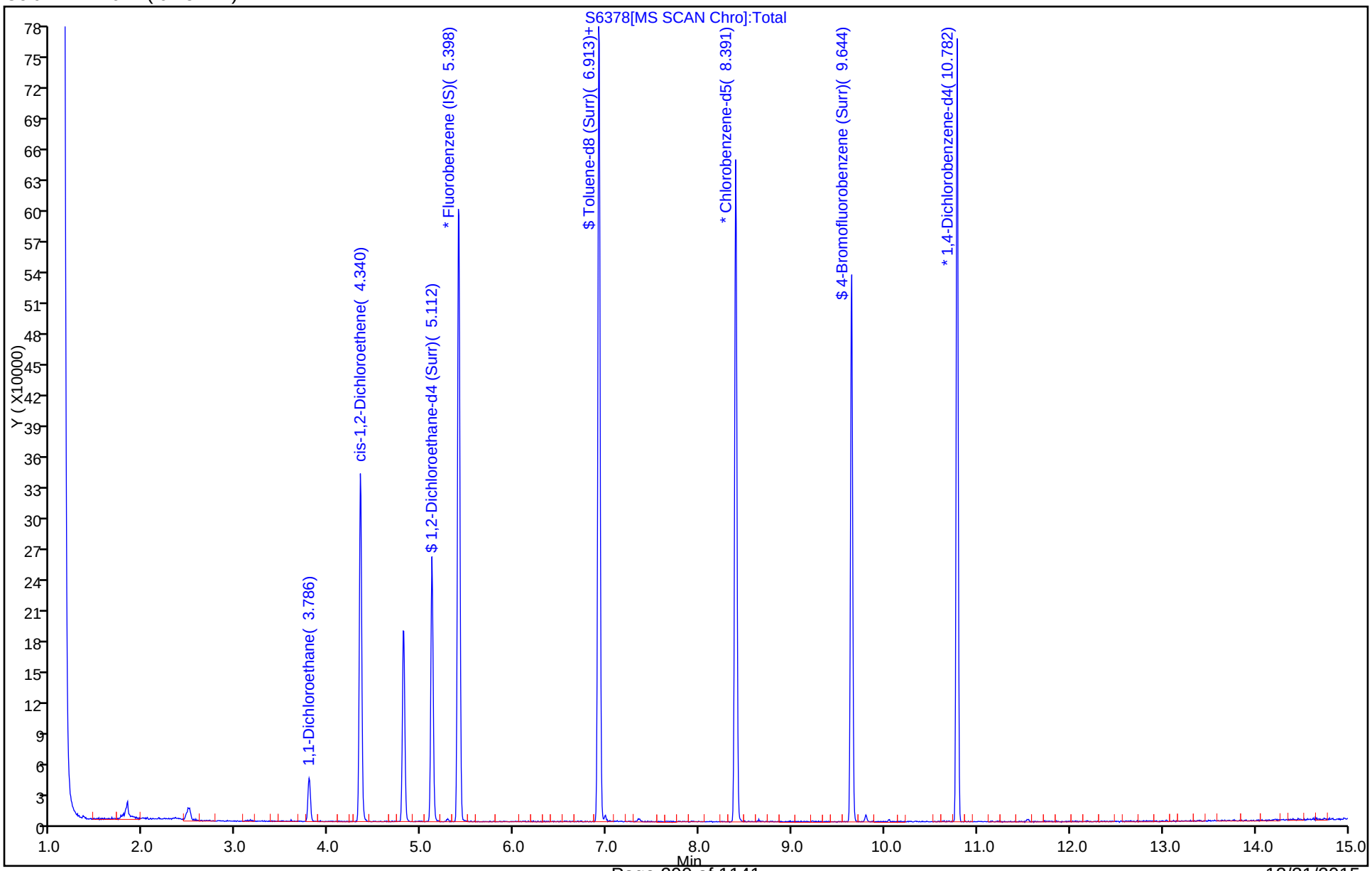
Report Date: 21-Dec-2015 15:18:12 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6378.D

Injection Date:	20-Dec-2015 19:16:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-5-C	Lab Sample ID:	480-92332-5	Worklist Smp#:	20
Client ID:	B11-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	21
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



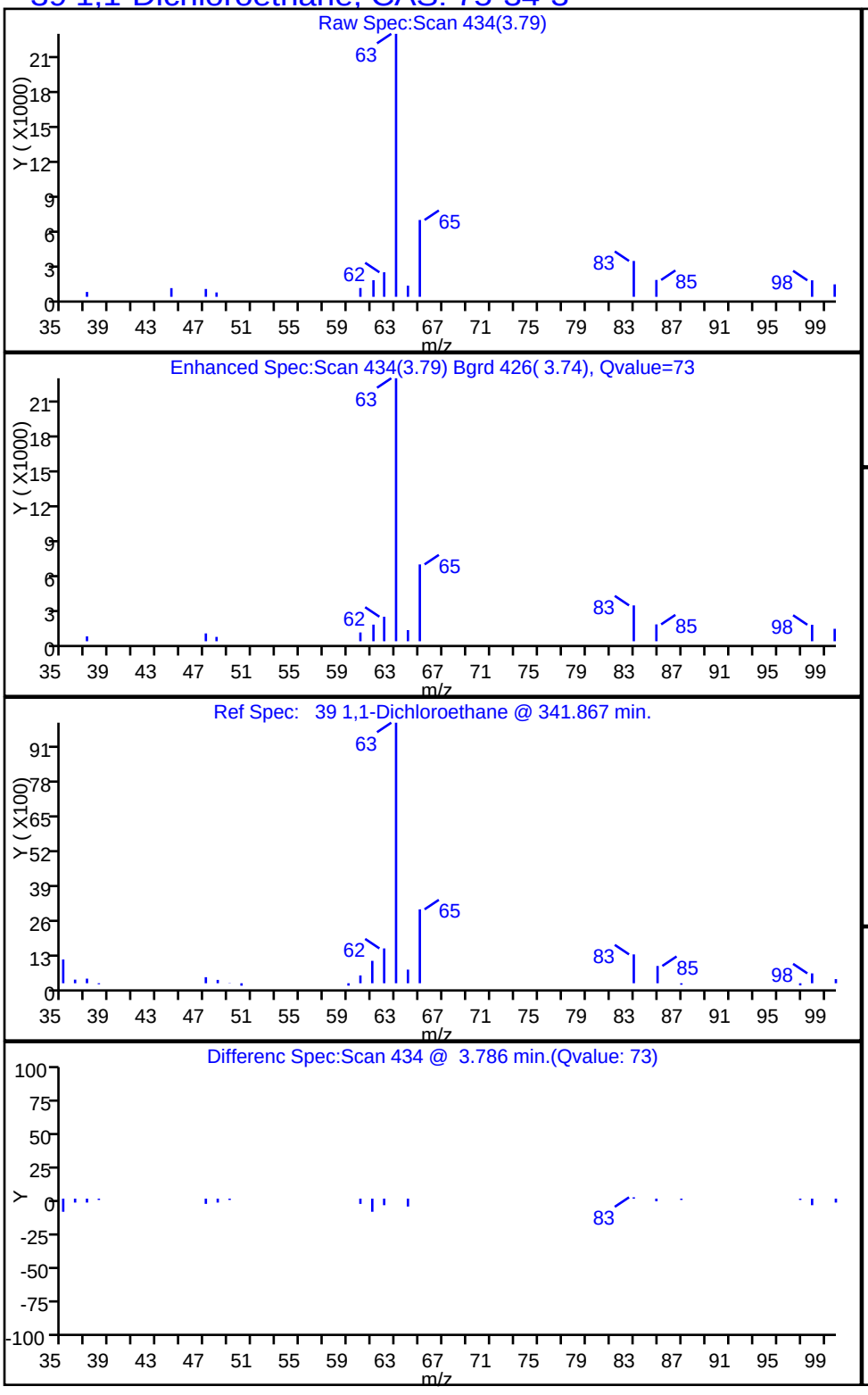
Report Date: 21-Dec-2015 15:18:12 Chrom Revision: 2.2 02-Dec-2015 11:51:48

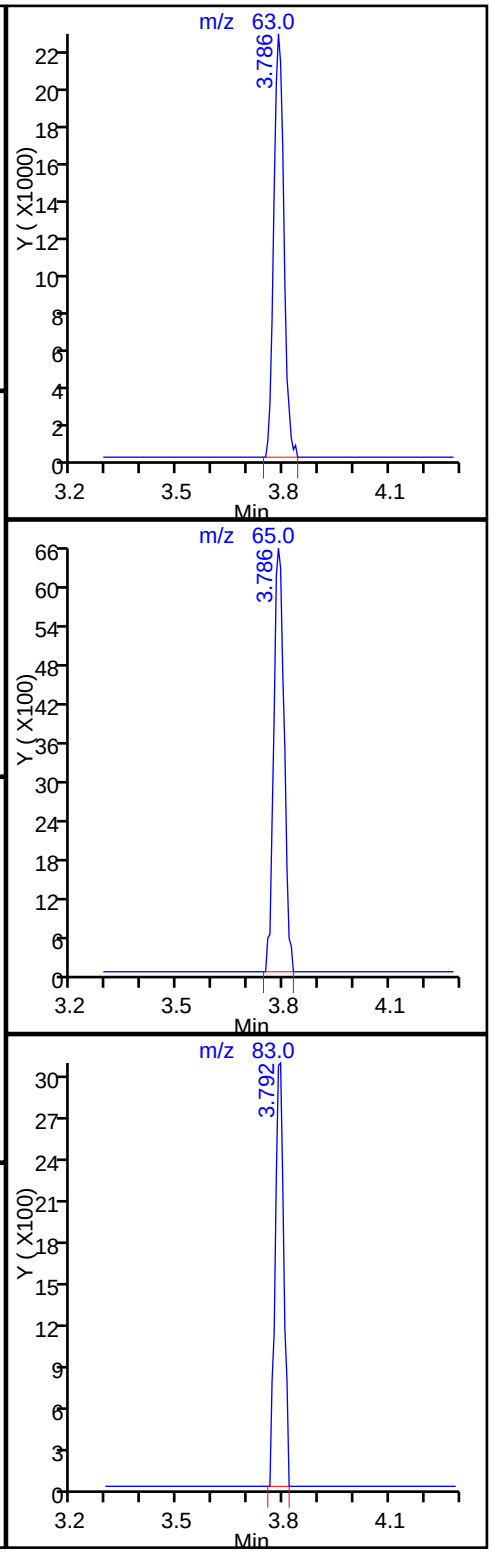
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6378.D

Injection Date:	20-Dec-2015 19:16:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-5-C	Lab Sample ID:	480-92332-5		
Client ID:	B11-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	21	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

39 1,1-Dichloroethane, CAS: 75-34-3





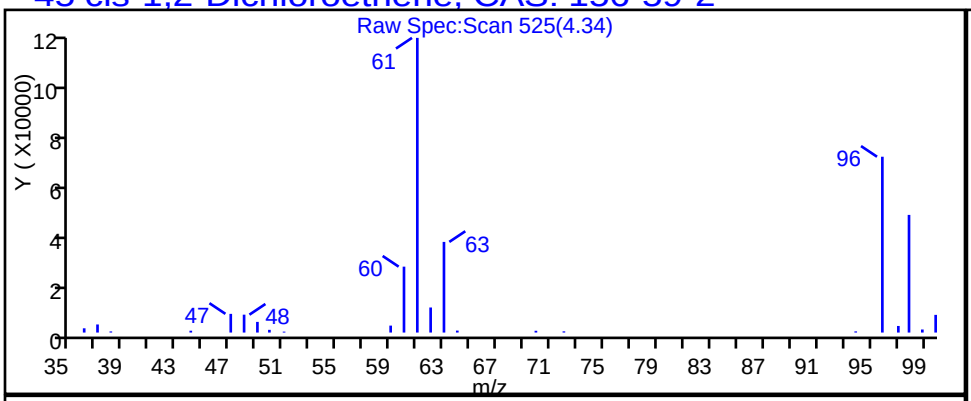
Report Date: 21-Dec-2015 15:18:12 Chrom Revision: 2.2 02-Dec-2015 11:51:48

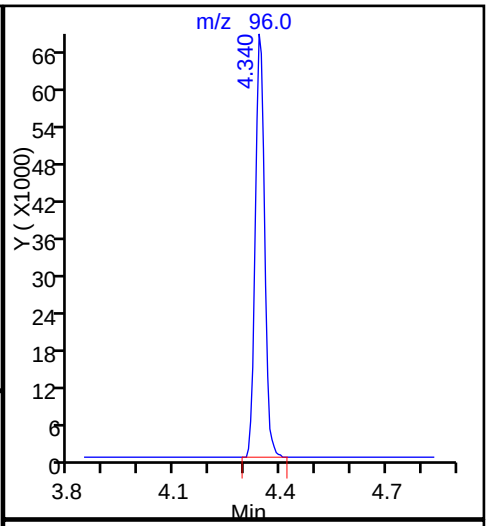
TestAmerica Buffalo

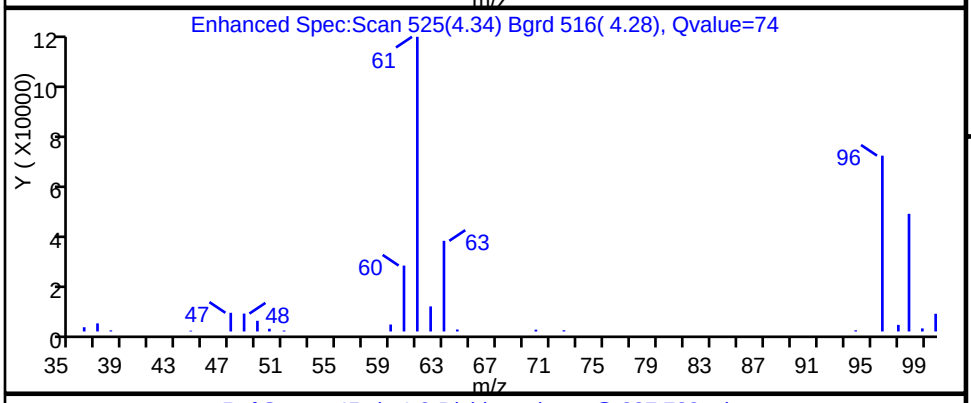
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6378.D

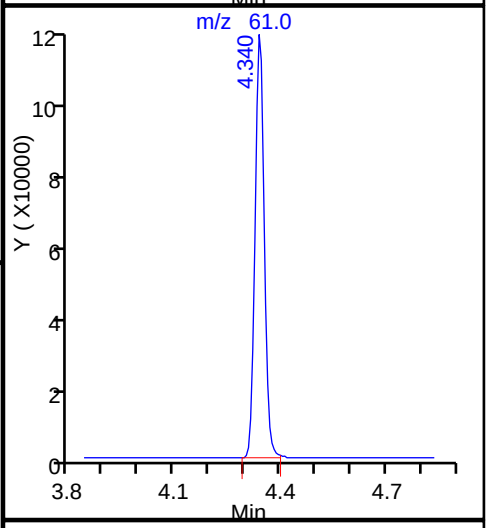
Injection Date:	20-Dec-2015 19:16:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-5-C	Lab Sample ID:	480-92332-5		
Client ID:	B11-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	21	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

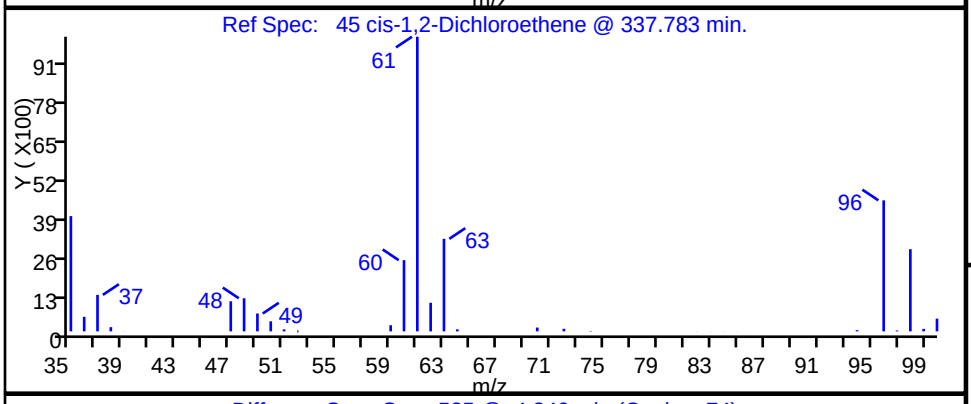
45 cis-1,2-Dichloroethene, CAS: 156-59-2

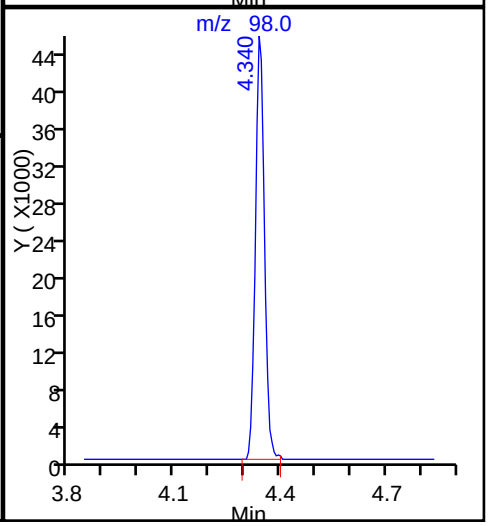


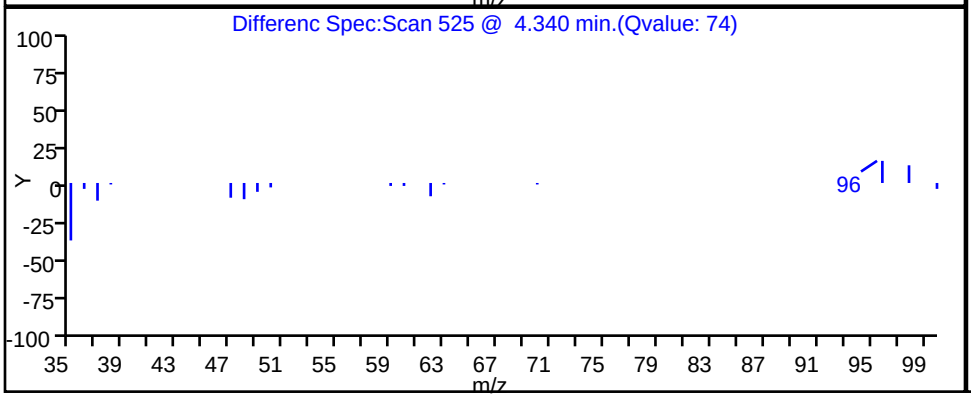












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Client Sample ID: B12-AREA2-S1 Lab Sample ID: 480-92332-6

Matrix: Solid Lab File ID: P2382.D

Analysis Method: 8260C Date Collected: 12/07/2015 08:45

Sample wt/vol: 0.5(g) Date Analyzed: 12/15/2015 18:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.5 Level: (low/med) Low

Analysis Batch No.: 279815 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		55	4.0
79-34-5	1,1,2,2-Tetrachloroethane	ND		55	8.9
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	110		55	12
79-00-5	1,1,2-Trichloroethane	ND		55	7.1
75-34-3	1,1-Dichloroethane	26	J	55	6.7
75-35-4	1,1-Dichloroethene	ND		55	6.7
120-82-1	1,2,4-Trichlorobenzene	ND		55	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		55	27
106-93-4	1,2-Dibromoethane	ND		55	7.0
95-50-1	1,2-Dichlorobenzene	ND		55	4.3
107-06-2	1,2-Dichloroethane	ND		55	2.7
78-87-5	1,2-Dichloropropane	ND		55	27
541-73-1	1,3-Dichlorobenzene	ND		55	2.8
106-46-7	1,4-Dichlorobenzene	ND		55	7.6
78-93-3	2-Butanone (MEK)	ND		270	20
591-78-6	2-Hexanone	ND		270	27
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		270	18
67-64-1	Acetone	ND		270	46
71-43-2	Benzene	ND		55	2.7
75-27-4	Bromodichloromethane	ND		55	7.3
75-25-2	Bromoform	ND		55	27
74-83-9	Bromomethane	ND		55	4.9
75-15-0	Carbon disulfide	ND		55	27
56-23-5	Carbon tetrachloride	ND		55	5.3
108-90-7	Chlorobenzene	ND		55	7.2
75-00-3	Chloroethane	ND		55	12
67-66-3	Chloroform	ND		55	3.4
74-87-3	Chloromethane	ND		55	3.3
156-59-2	cis-1,2-Dichloroethene	1700		55	7.0
10061-01-5	cis-1,3-Dichloropropene	ND		55	7.9
110-82-7	Cyclohexane	ND		55	7.6
124-48-1	Dibromochloromethane	ND		55	7.0
75-71-8	Dichlorodifluoromethane	ND		55	4.5
100-41-4	Ethylbenzene	ND		55	3.8
98-82-8	Isopropylbenzene	ND		55	8.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B12-AREA2-S1 | Lab Sample ID: 480-92332-6

Matrix: Solid | Lab File ID: P2382.D

Analysis Method: 8260C | Date Collected: 12/07/2015 08:45

Sample wt/vol: 0.5(g) | Date Analyzed: 12/15/2015 18:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		55	33
1634-04-4	Methyl tert-butyl ether	ND		55	5.4
108-87-2	Methylcyclohexane	ND		55	8.3
75-09-2	Methylene Chloride	ND		55	25
100-42-5	Styrene	ND		55	2.7
127-18-4	Tetrachloroethene	ND		55	7.3
108-88-3	Toluene	ND		55	4.1
156-60-5	trans-1,2-Dichloroethene	ND		55	5.6
10061-02-6	trans-1,3-Dichloropropene	ND		55	24
79-01-6	Trichloroethene	ND		55	12
75-69-4	Trichlorofluoromethane	ND		55	5.2
75-01-4	Vinyl chloride	ND		55	6.7
1330-20-7	Xylenes, Total	ND		110	9.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		64-126
460-00-4	4-Bromofluorobenzene (Surr)	90		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2382.D
Lims ID: 480-92332-A-6-B Lab Sample ID: 480-92332-6
Client ID: B12-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 18:04:30 ALS Bottle#: 6 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-6-B
Misc. Info.: 480-0049245-012
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 09:06:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: diasn Date: 15-Dec-2015 19:50:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	366054	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	709909	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	617846	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	282137	49.9	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1574542	50.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	487027	45.0	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	95	124740	10.2	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.396	6.390	0.006	81	7783	1.86	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.761	6.773	-0.012	96	13251	0.3502	
32 Methyl tert-butyl ether	73		7.224				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	54337	2.37	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	85	1746575	156.3	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95		10.350				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

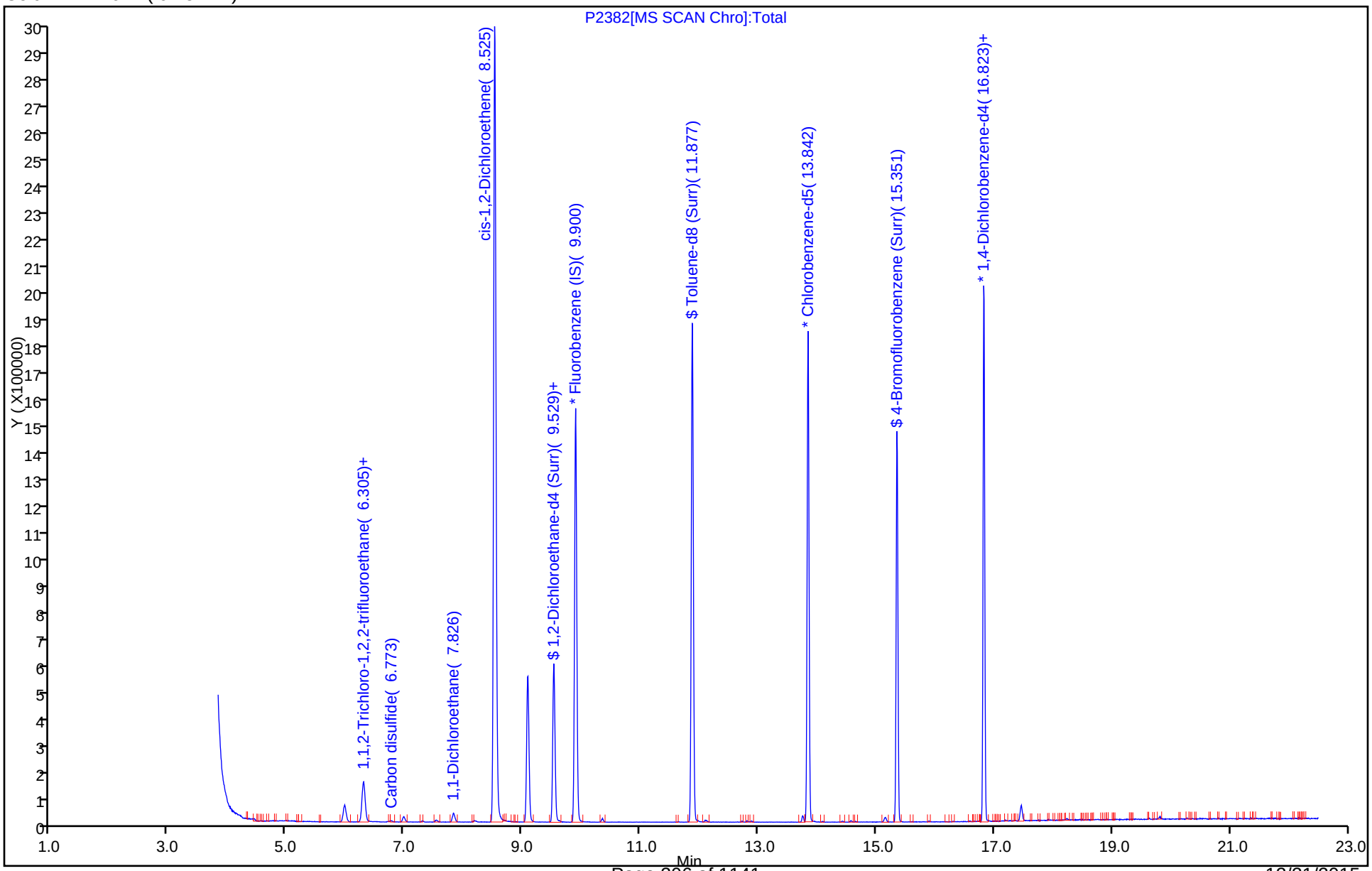
Report Date: 16-Dec-2015 09:07:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2382.D

Injection Date:	15-Dec-2015 18:04:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-6-B	Lab Sample ID:	480-92332-6	Worklist Smp#:	12
Client ID:	B12-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



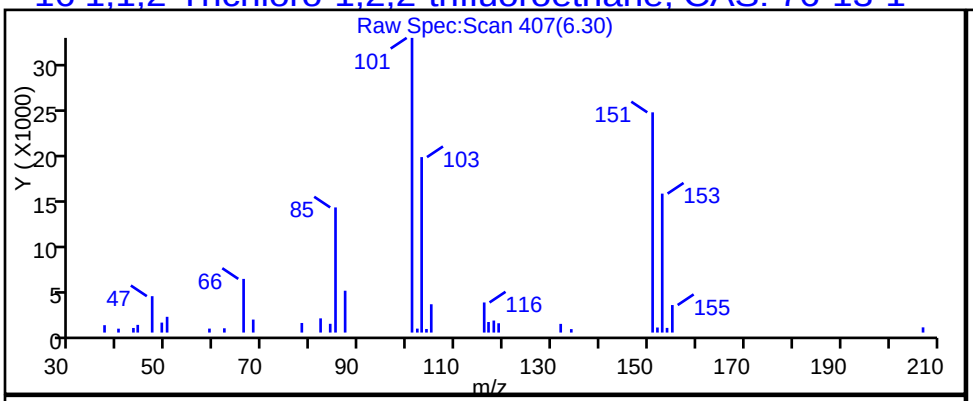
Report Date: 16-Dec-2015 09:07:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

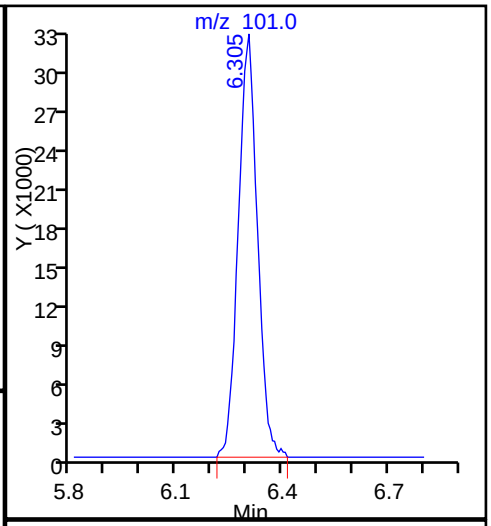
TestAmerica Buffalo

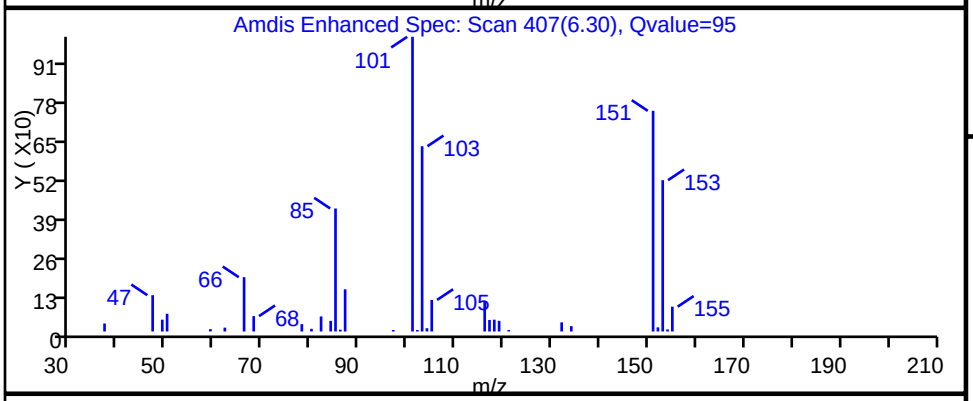
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2382.D

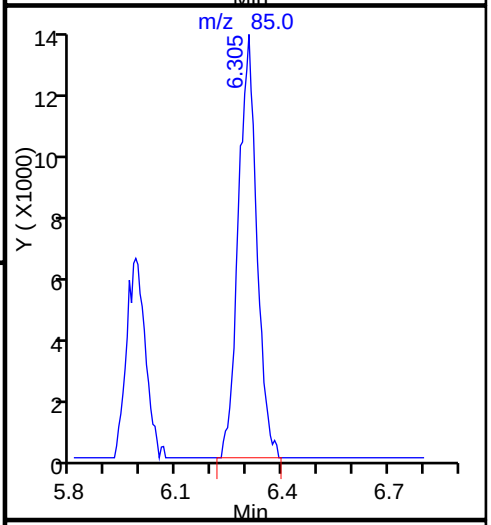
Injection Date:	15-Dec-2015 18:04:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-6-B	Lab Sample ID:	480-92332-6		
Client ID:	B12-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

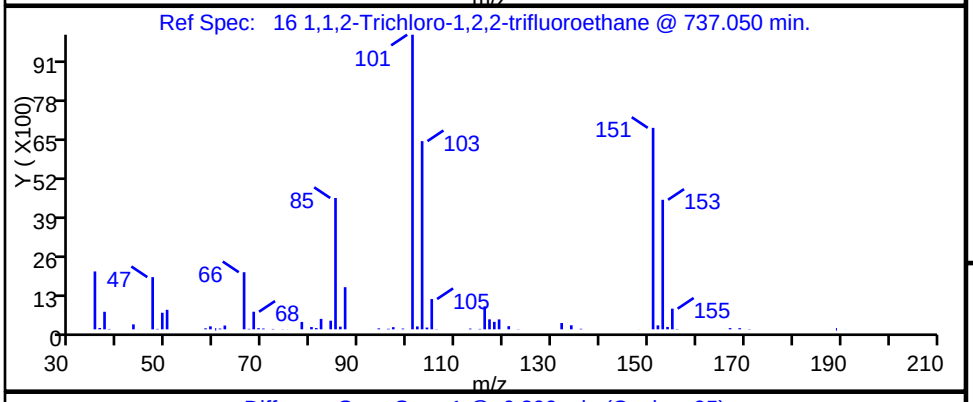
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

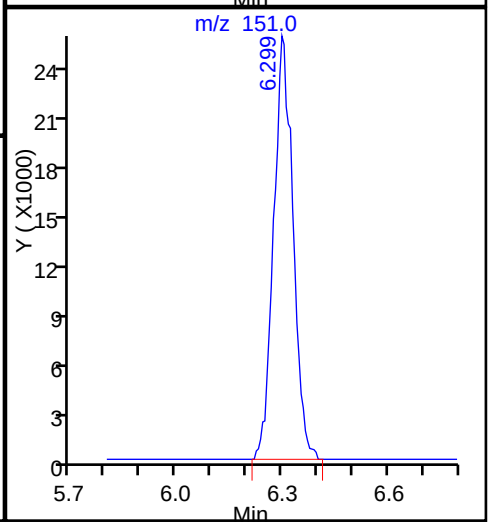


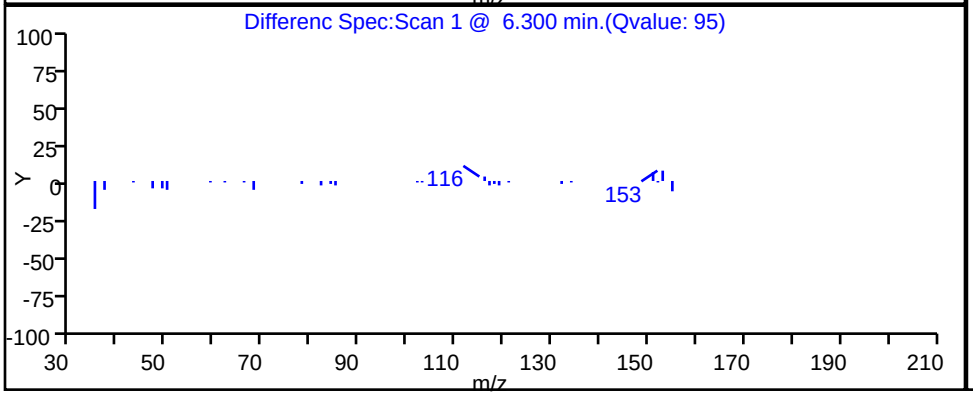








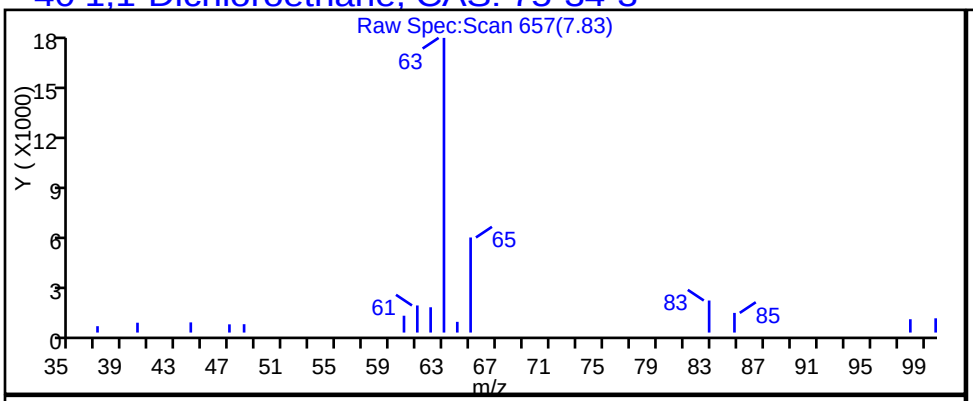


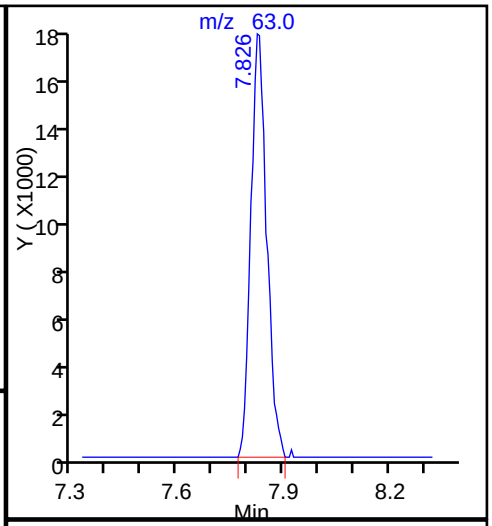


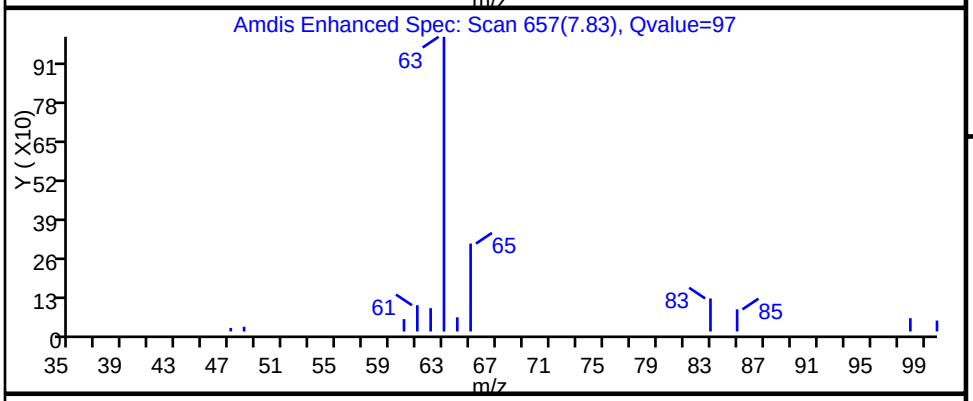
TestAmerica Buffalo

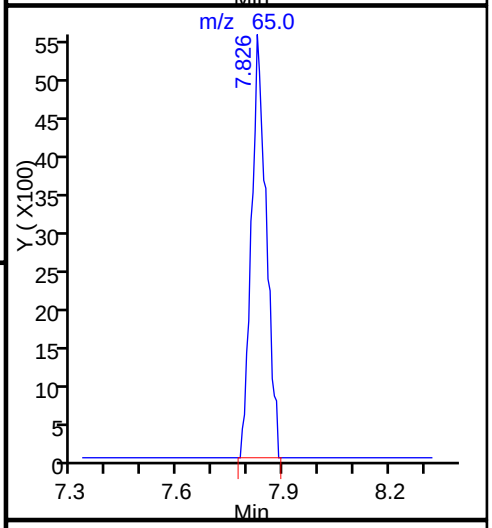
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2382.D				
Injection Date:	15-Dec-2015 18:04:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-6-B	Lab Sample ID:	480-92332-6		
Client ID:	B12-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

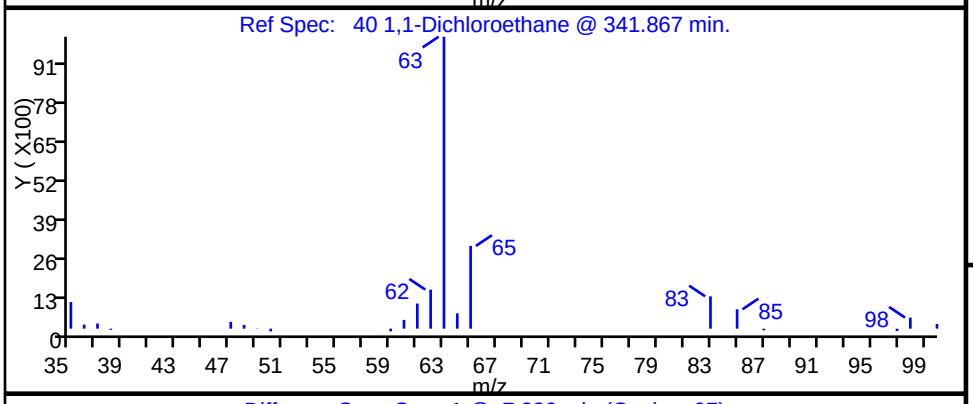
40 1,1-Dichloroethane, CAS: 75-34-3

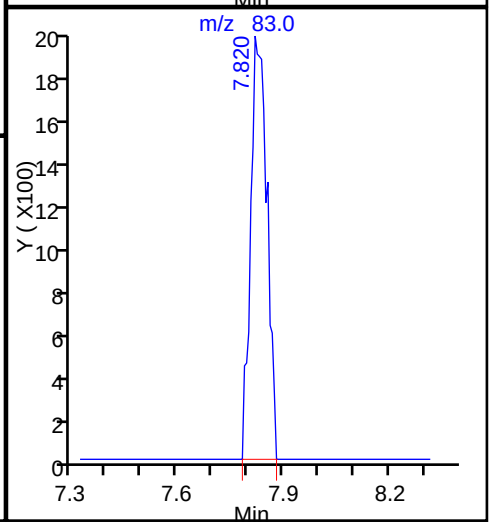


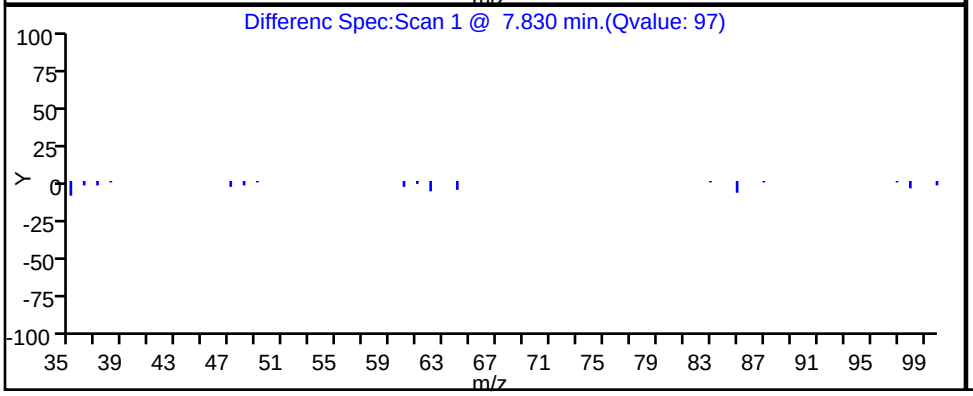










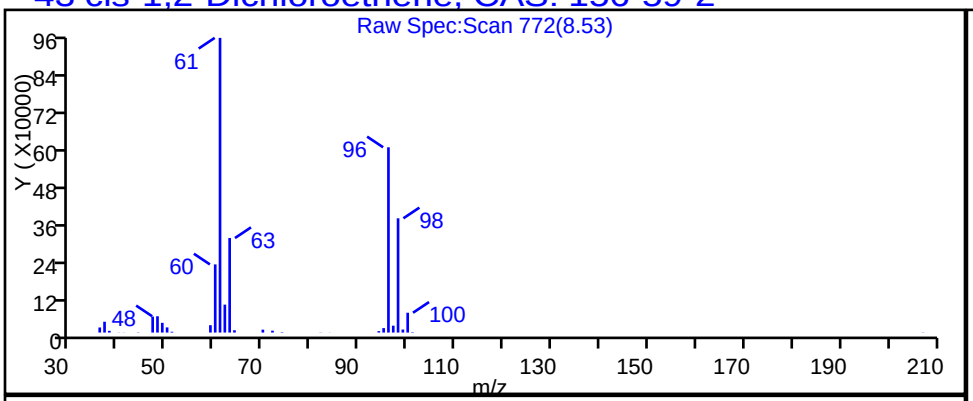


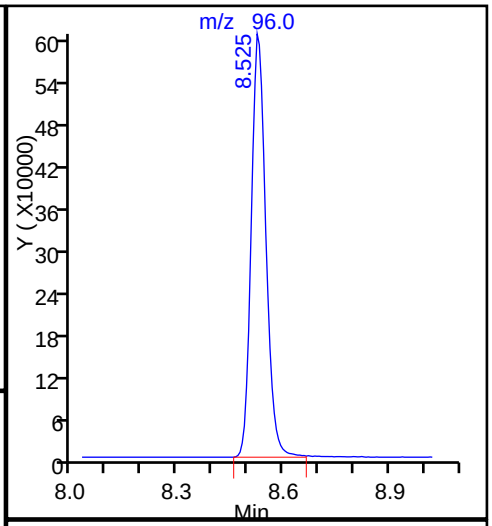
Report Date: 16-Dec-2015 09:07:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

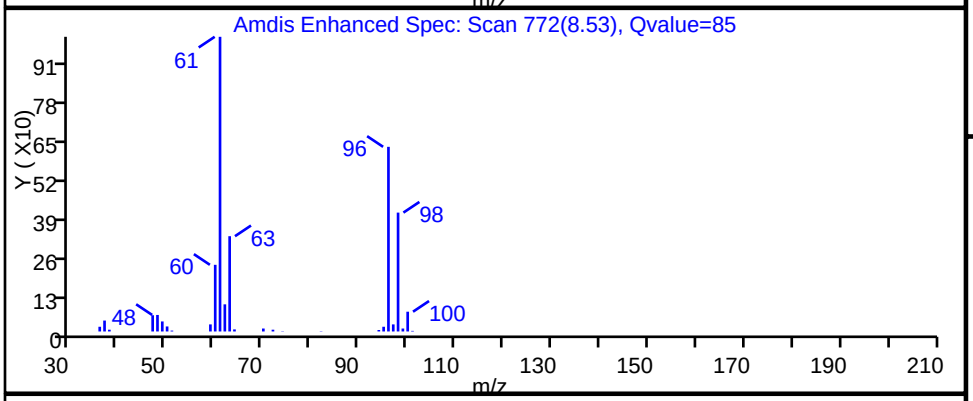
TestAmerica Buffalo

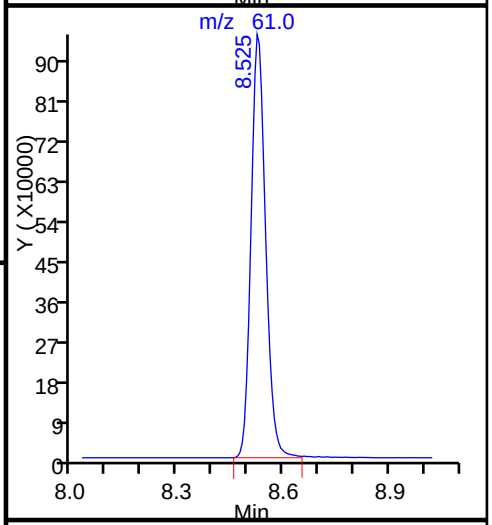
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2382.D				
Injection Date:	15-Dec-2015 18:04:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-6-B	Lab Sample ID:	480-92332-6		
Client ID:	B12-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

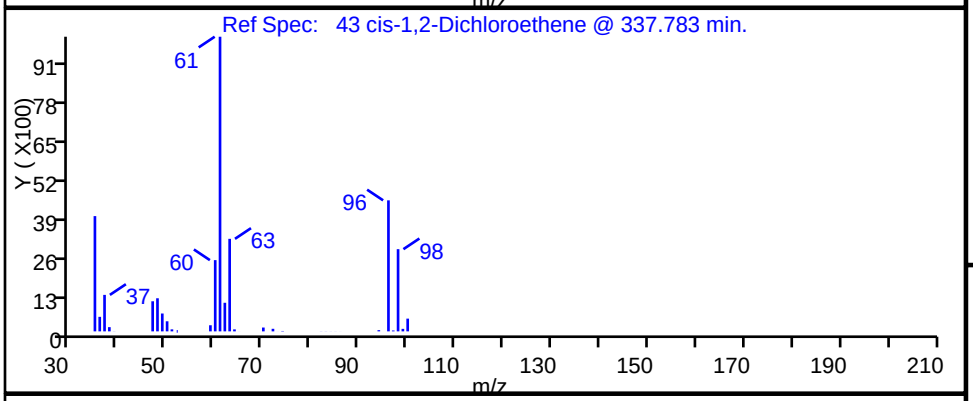
43 cis-1,2-Dichloroethene, CAS: 156-59-2

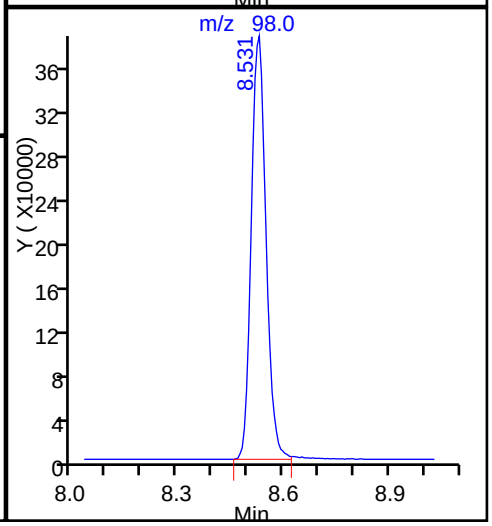


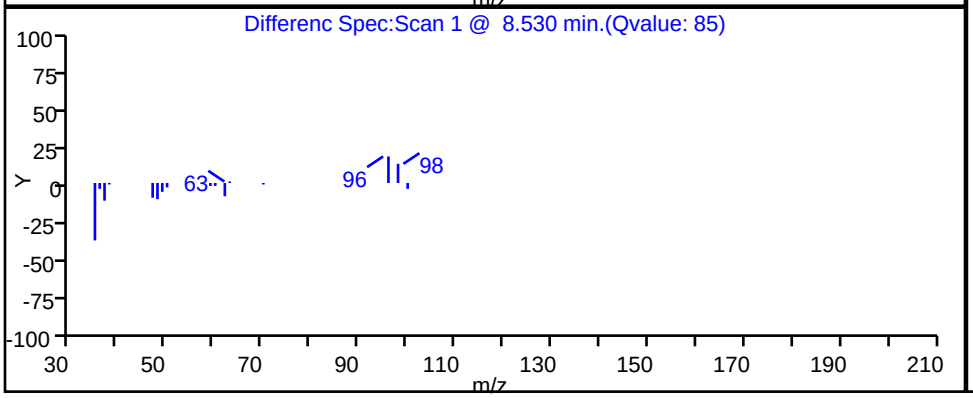












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B12-AREA2-S2 | Lab Sample ID: 480-92332-7

Matrix: Solid | Lab File ID: S6380.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:05

Sample wt/vol: 5.07(g) | Date Analyzed: 12/20/2015 20:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	310
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15000		1100	550
79-00-5	1,1,2-Trichloroethane	ND		1100	230
75-34-3	1,1-Dichloroethane	ND		1100	340
75-35-4	1,1-Dichloroethene	ND		1100	380
120-82-1	1,2,4-Trichlorobenzene	ND		1100	420
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	550
106-93-4	1,2-Dibromoethane	ND		1100	190
95-50-1	1,2-Dichlorobenzene	ND		1100	280
107-06-2	1,2-Dichloroethane	ND		1100	450
78-87-5	1,2-Dichloropropane	ND		1100	180
541-73-1	1,3-Dichlorobenzene	ND		1100	300
106-46-7	1,4-Dichlorobenzene	ND		1100	150
78-93-3	2-Butanone (MEK)	ND		5500	3300
591-78-6	2-Hexanone	ND		5500	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5500	350
67-64-1	Acetone	ND		5500	4500
71-43-2	Benzene	ND		1100	210
75-27-4	Bromodichloromethane	ND		1100	220
75-25-2	Bromoform	ND		1100	550
74-83-9	Bromomethane	ND		1100	240
75-15-0	Carbon disulfide	ND		1100	500
56-23-5	Carbon tetrachloride	ND		1100	280
108-90-7	Chlorobenzene	ND		1100	150
75-00-3	Chloroethane	ND		1100	230
67-66-3	Chloroform	ND		1100	760
74-87-3	Chloromethane	ND		1100	260
156-59-2	cis-1,2-Dichloroethene	3200		1100	300
10061-01-5	cis-1,3-Dichloropropene	ND		1100	260
110-82-7	Cyclohexane	ND		1100	250
124-48-1	Dibromochloromethane	ND		1100	530
75-71-8	Dichlorodifluoromethane	ND		1100	480
100-41-4	Ethylbenzene	ND		1100	320
98-82-8	Isopropylbenzene	ND		1100	170

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B12-AREA2-S2 | Lab Sample ID: 480-92332-7

Matrix: Solid | Lab File ID: S6380.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:05

Sample wt/vol: 5.07(g) | Date Analyzed: 12/20/2015 20:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1100	530
1634-04-4	Methyl tert-butyl ether	ND		1100	420
108-87-2	Methylcyclohexane	ND		1100	520
75-09-2	Methylene Chloride	ND		1100	220
100-42-5	Styrene	ND		1100	270
127-18-4	Tetrachloroethene	ND		1100	150
108-88-3	Toluene	ND		1100	300
156-60-5	trans-1,2-Dichloroethene	ND		1100	260
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	37000		1100	310
75-69-4	Trichlorofluoromethane	ND		1100	520
75-01-4	Vinyl chloride	ND		1100	370
1330-20-7	Xylenes, Total	ND		2200	610

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
2037-26-5	Toluene-d8 (Surr)	102		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6380.D
Lims ID: 480-92332-A-7-B Lab Sample ID: 480-92332-7
Client ID: B12-AREA2-S2
Sample Type: Client
Inject. Date: 20-Dec-2015 20:02:30 ALS Bottle#: 23 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-7-B
Misc. Info.: 480-0049418-022
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:23 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	97	96833	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	197572	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	183907	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	79867	26.6	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	483965	27.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	147235	26.4	
10 Dichlorodifluoromethane	85		1.243				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.504				ND	
14 Bromomethane	94		1.809				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	2.642	2.648	-0.006	73	51124	13.3	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.733				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.038				ND	
30 Methylene Chloride	84		3.159				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.372				ND	
39 1,1-Dichloroethane	63		3.786				ND	
45 cis-1,2-Dichloroethene	96	4.340	4.339	0.001	63	14280	2.90	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.650				ND	
51 1,1,1-Trichloroethane	97		4.777				ND	
52 Cyclohexane	56		4.802				ND	
55 Carbon tetrachloride	117		4.923				ND	
57 Benzene	78		5.130				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.745	0.000	88	152554	33.2	
64 Methylcyclohexane	83		5.879				ND	
65 1,2-Dichloropropane	63		5.976				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.822				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.430				ND	
81 Tetrachloroethene	166		7.521				ND	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91		8.525				ND	
90 m-Xylene & p-Xylene	106		8.647				ND	
91 o-Xylene	106		9.066				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.153				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

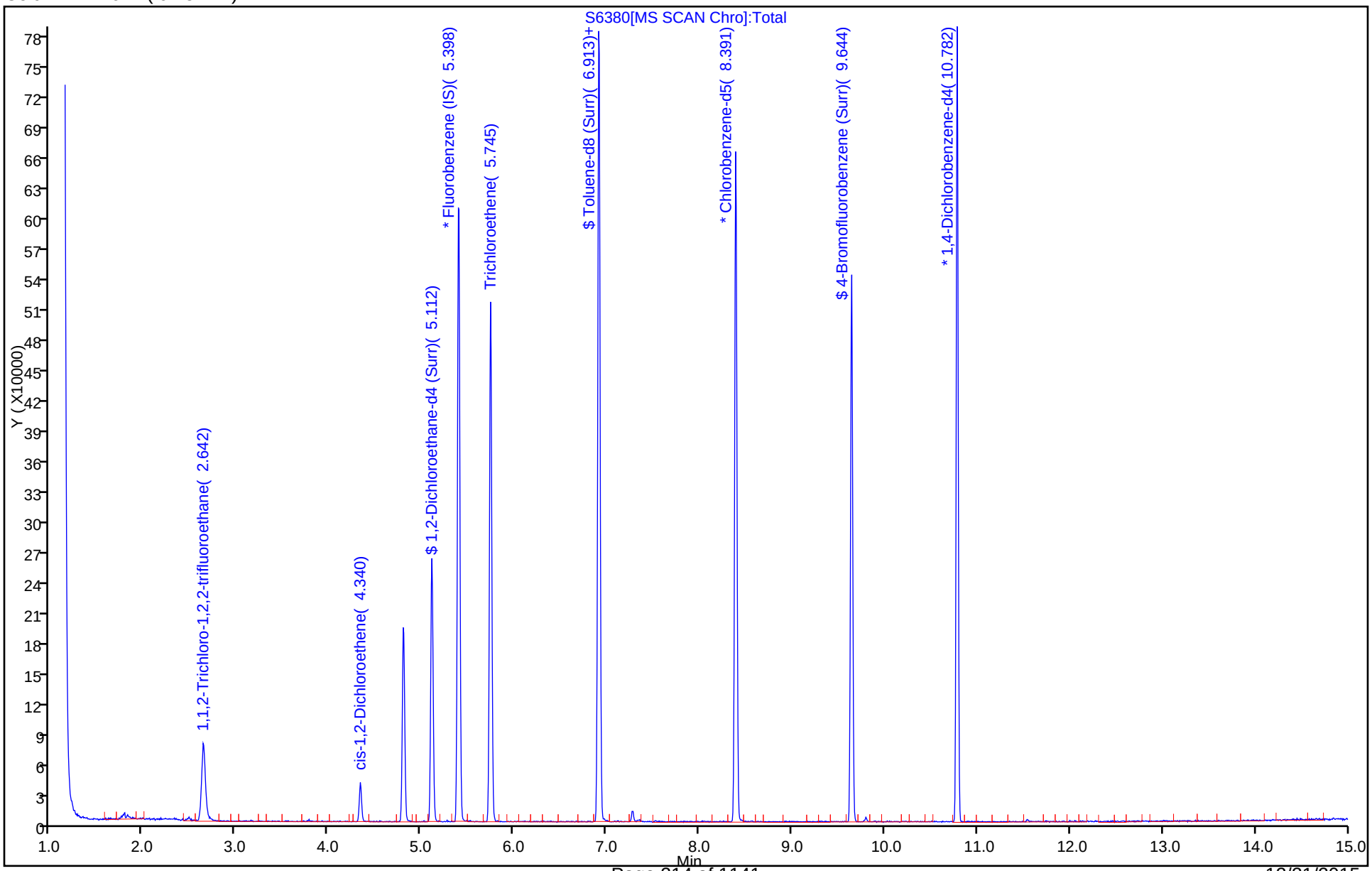
Report Date: 21-Dec-2015 15:18:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6380.D

Injection Date:	20-Dec-2015 20:02:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-7-B	Lab Sample ID:	480-92332-7	Worklist Smp#:	22
Client ID:	B12-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	23
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

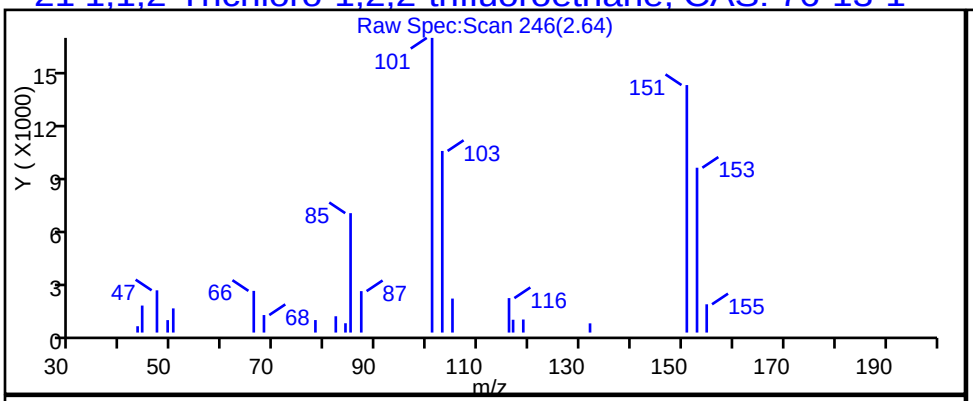


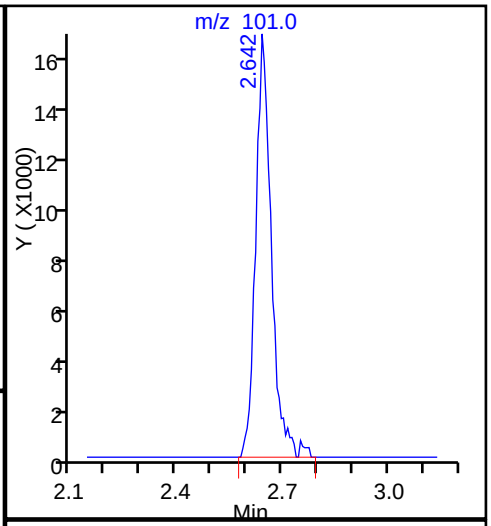
TestAmerica Buffalo

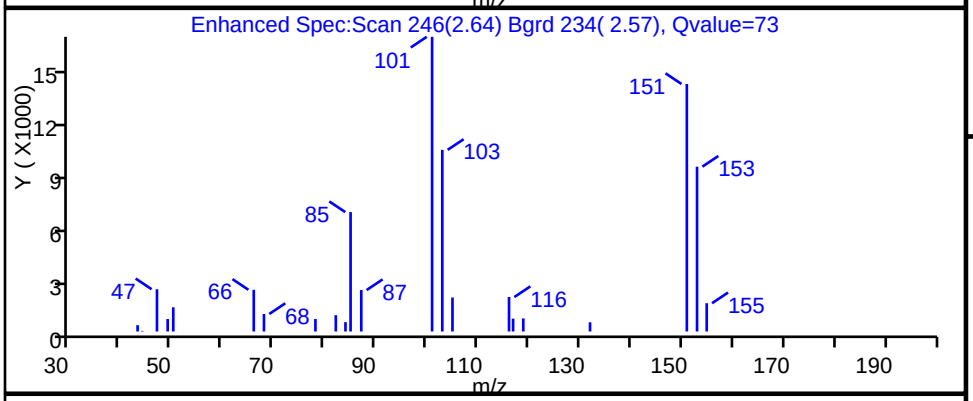
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6380.D

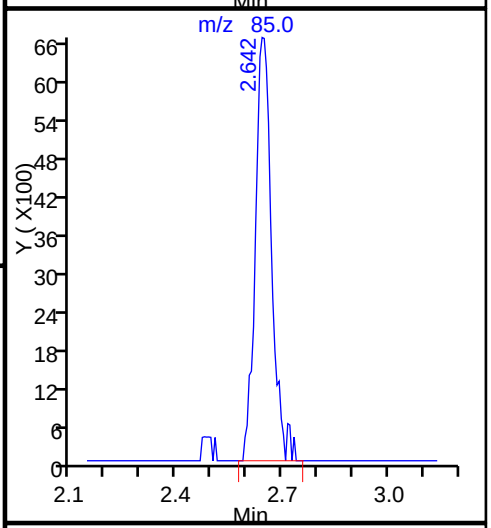
Injection Date:	20-Dec-2015 20:02:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-7-B	Lab Sample ID:	480-92332-7		
Client ID:	B12-AREA2-S2				
Operator ID:	SO	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

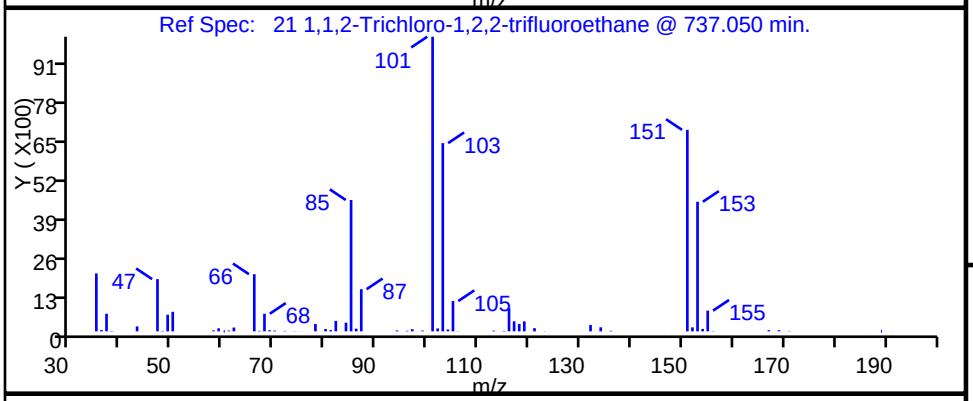
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

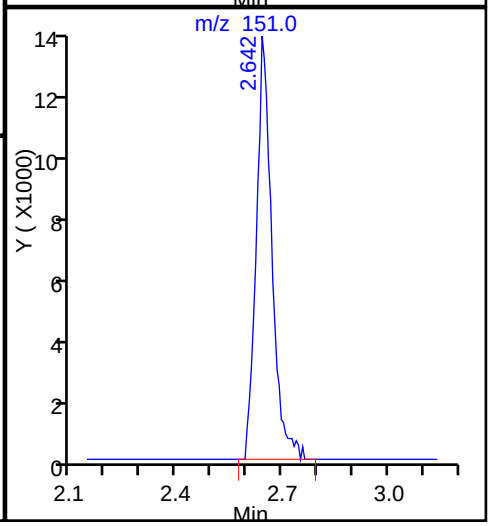


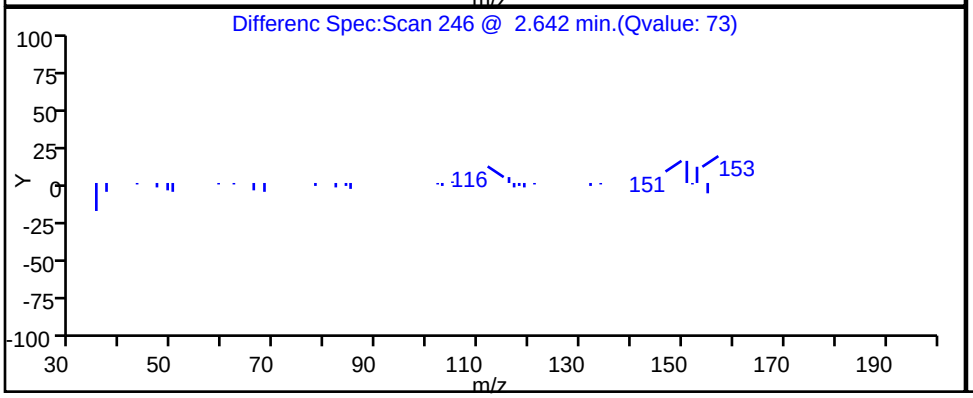












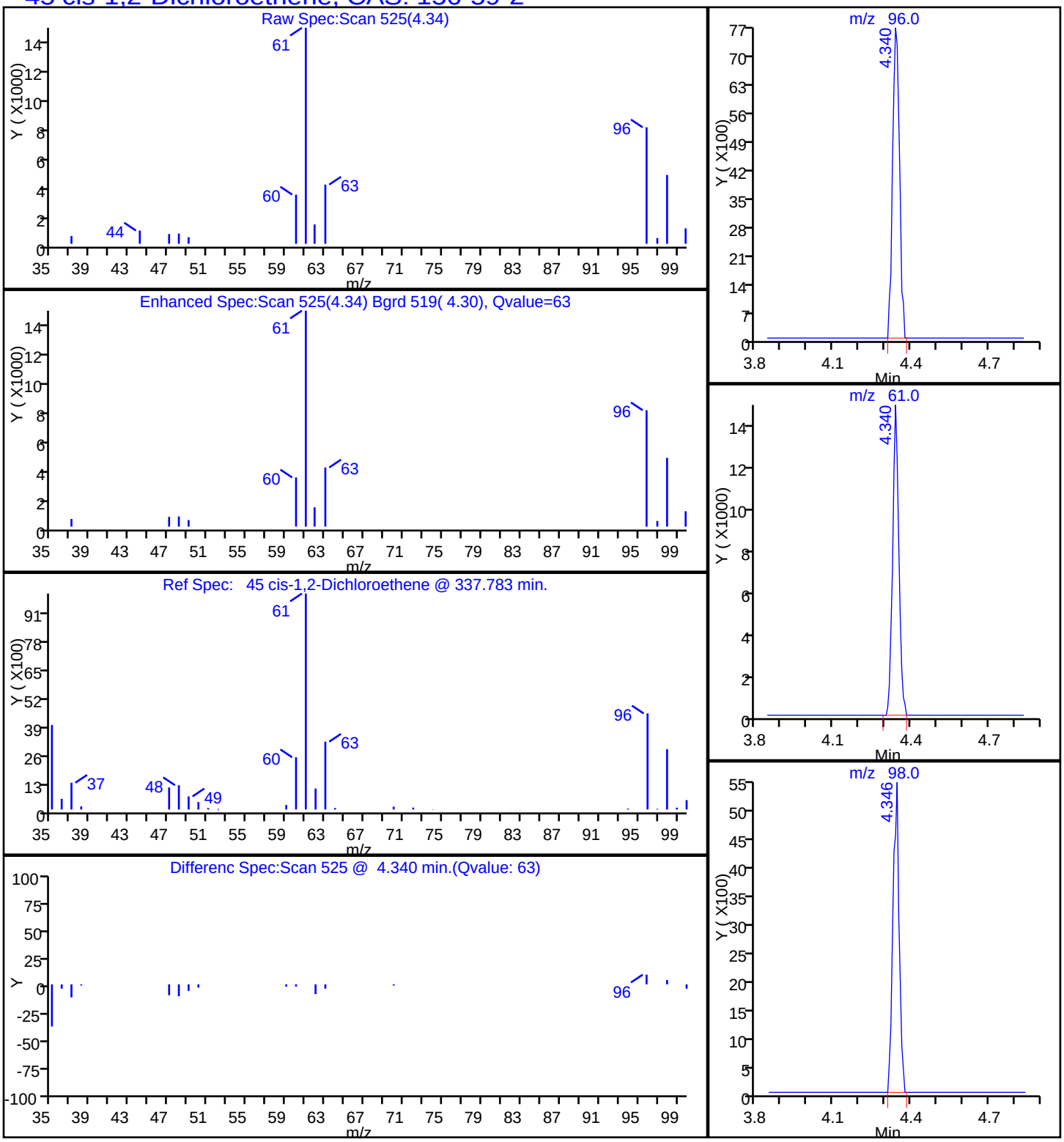
Report Date: 21-Dec-2015 15:18:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6380.D

Injection Date:	20-Dec-2015 20:02:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-7-B	Lab Sample ID:	480-92332-7		
Client ID:	B12-AREA2-S2				
Operator ID:	SO	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

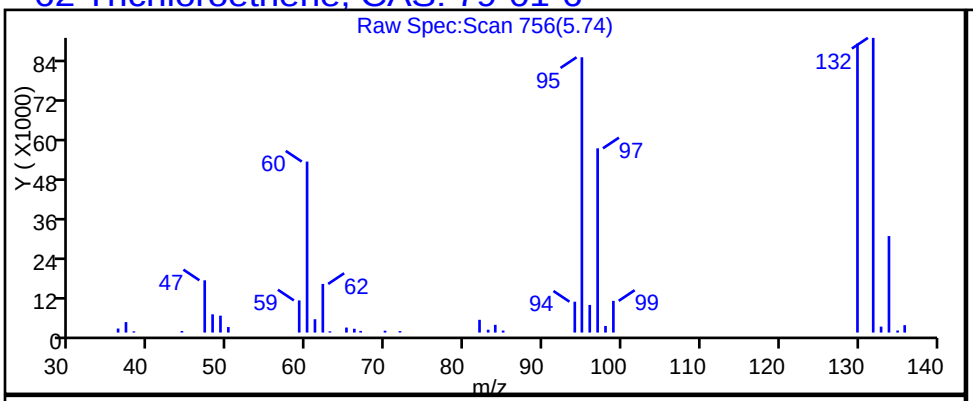


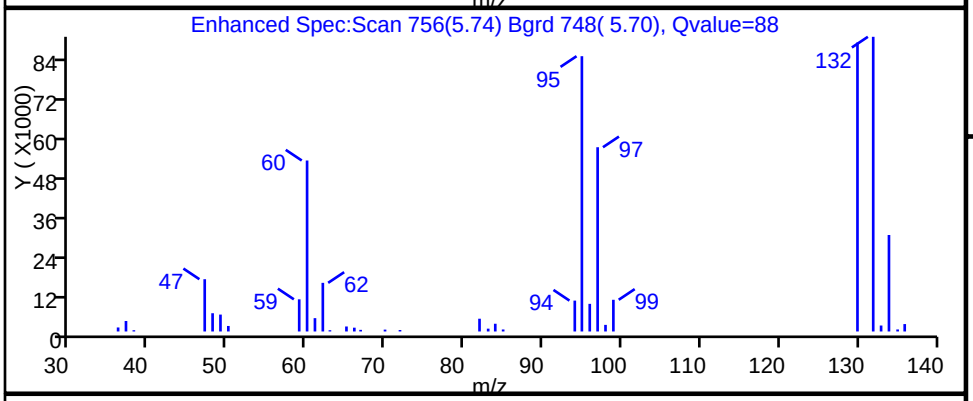
TestAmerica Buffalo

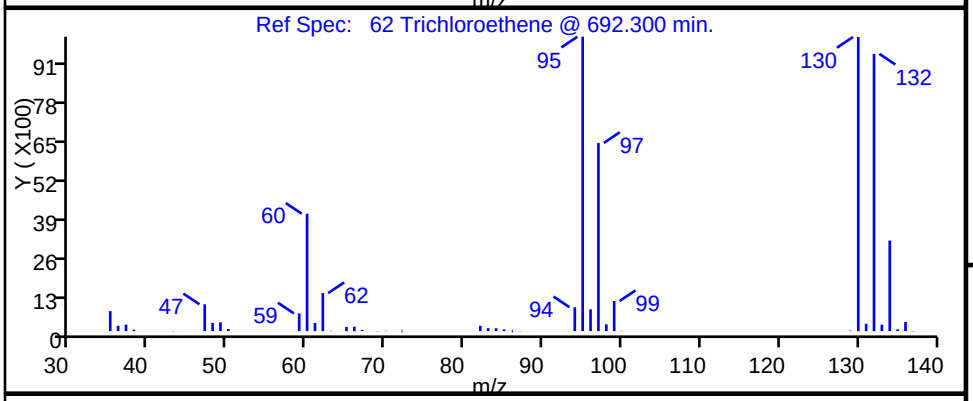
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6380.D

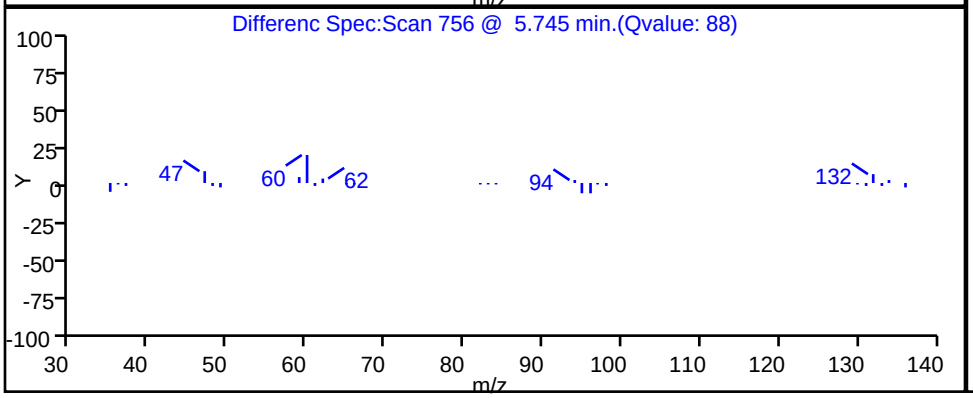
Injection Date:	20-Dec-2015 20:02:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-7-B	Lab Sample ID:	480-92332-7
Client ID:	B12-AREA2-S2		
Operator ID:	SO	ALS Bottle#:	23 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

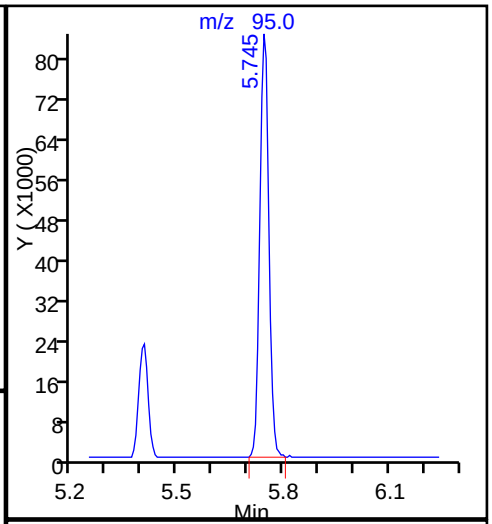
62 Trichloroethene, CAS: 79-01-6

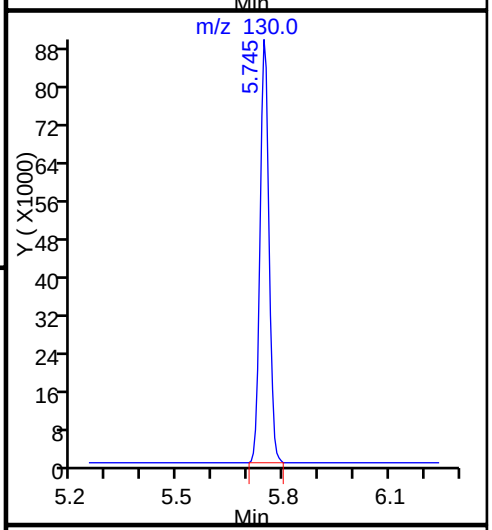


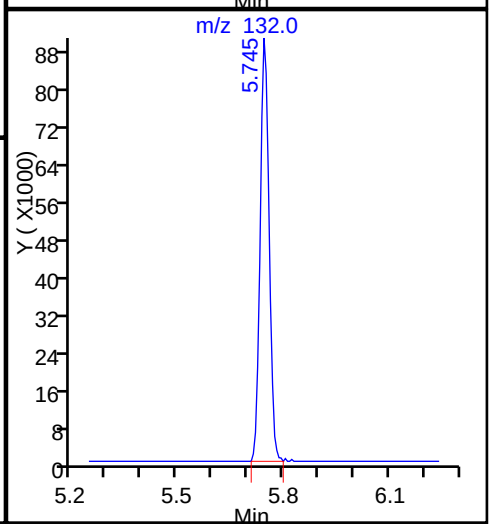












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B12-AREA2-S3 | Lab Sample ID: 480-92332-8

Matrix: Solid | Lab File ID: P2383.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:15

Sample wt/vol: 5.17(g) | Date Analyzed: 12/15/2015 18:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.4 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.9	0.96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.4
79-00-5	1,1,2-Trichloroethane	ND		5.9	0.77
75-34-3	1,1-Dichloroethane	ND		5.9	0.72
75-35-4	1,1-Dichloroethene	ND		5.9	0.73
120-82-1	1,2,4-Trichlorobenzene	ND		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.9	3.0
106-93-4	1,2-Dibromoethane	ND		5.9	0.76
95-50-1	1,2-Dichlorobenzene	ND		5.9	0.46
107-06-2	1,2-Dichloroethane	ND		5.9	0.30
78-87-5	1,2-Dichloropropane	ND		5.9	3.0
541-73-1	1,3-Dichlorobenzene	ND		5.9	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.9	0.83
78-93-3	2-Butanone (MEK)	ND		30	2.2
591-78-6	2-Hexanone	ND		30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		30	1.9
67-64-1	Acetone	27	J	30	5.0
71-43-2	Benzene	ND		5.9	0.29
75-27-4	Bromodichloromethane	ND		5.9	0.79
75-25-2	Bromoform	ND		5.9	3.0
74-83-9	Bromomethane	ND		5.9	0.53
75-15-0	Carbon disulfide	ND		5.9	3.0
56-23-5	Carbon tetrachloride	ND		5.9	0.57
108-90-7	Chlorobenzene	ND		5.9	0.78
75-00-3	Chloroethane	ND		5.9	1.3
67-66-3	Chloroform	ND		5.9	0.37
74-87-3	Chloromethane	ND		5.9	0.36
156-59-2	cis-1,2-Dichloroethene	6.2		5.9	0.76
10061-01-5	cis-1,3-Dichloropropene	ND		5.9	0.85
110-82-7	Cyclohexane	ND		5.9	0.83
124-48-1	Dibromochloromethane	ND		5.9	0.76
75-71-8	Dichlorodifluoromethane	ND		5.9	0.49
100-41-4	Ethylbenzene	ND		5.9	0.41
98-82-8	Isopropylbenzene	ND		5.9	0.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B12-AREA2-S3 | Lab Sample ID: 480-92332-8

Matrix: Solid | Lab File ID: P2383.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:15

Sample wt/vol: 5.17(g) | Date Analyzed: 12/15/2015 18:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.4 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.9	3.6
1634-04-4	Methyl tert-butyl ether	ND		5.9	0.58
108-87-2	Methylcyclohexane	ND		5.9	0.90
75-09-2	Methylene Chloride	ND		5.9	2.7
100-42-5	Styrene	ND		5.9	0.30
127-18-4	Tetrachloroethene	ND		5.9	0.80
108-88-3	Toluene	ND		5.9	0.45
156-60-5	trans-1,2-Dichloroethene	ND		5.9	0.61
10061-02-6	trans-1,3-Dichloropropene	ND		5.9	2.6
79-01-6	Trichloroethene	2.1	J	5.9	1.3
75-69-4	Trichlorofluoromethane	ND		5.9	0.56
75-01-4	Vinyl chloride	ND		5.9	0.72
1330-20-7	Xylenes, Total	ND		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	78		72-126
2037-26-5	Toluene-d8 (Surr)	108		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2383.D
Lims ID: 480-92332-A-8-B Lab Sample ID: 480-92332-8
Client ID: B12-AREA2-S3
Sample Type: Client
Inject. Date: 15-Dec-2015 18:31:30 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-8-B
Misc. Info.: 480-0049245-013
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 09:06:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: diasn Date: 15-Dec-2015 19:51:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	314862	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	543872	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	97	376667	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	254120	52.2	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1288028	54.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	323718	39.1	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.390	0.012	98	81653	22.6	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.761	6.773	-0.012	98	17648	0.5423	M
31 Methylene Chloride	84	6.980	6.980	0.000	94	39933	1.96	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	93	10477	0.5318	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	85	50560	5.26	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.357	10.350	0.007	96	16751	1.78	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	95	6344	0.3284	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.711	12.711	0.000	92	2628	0.3543	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

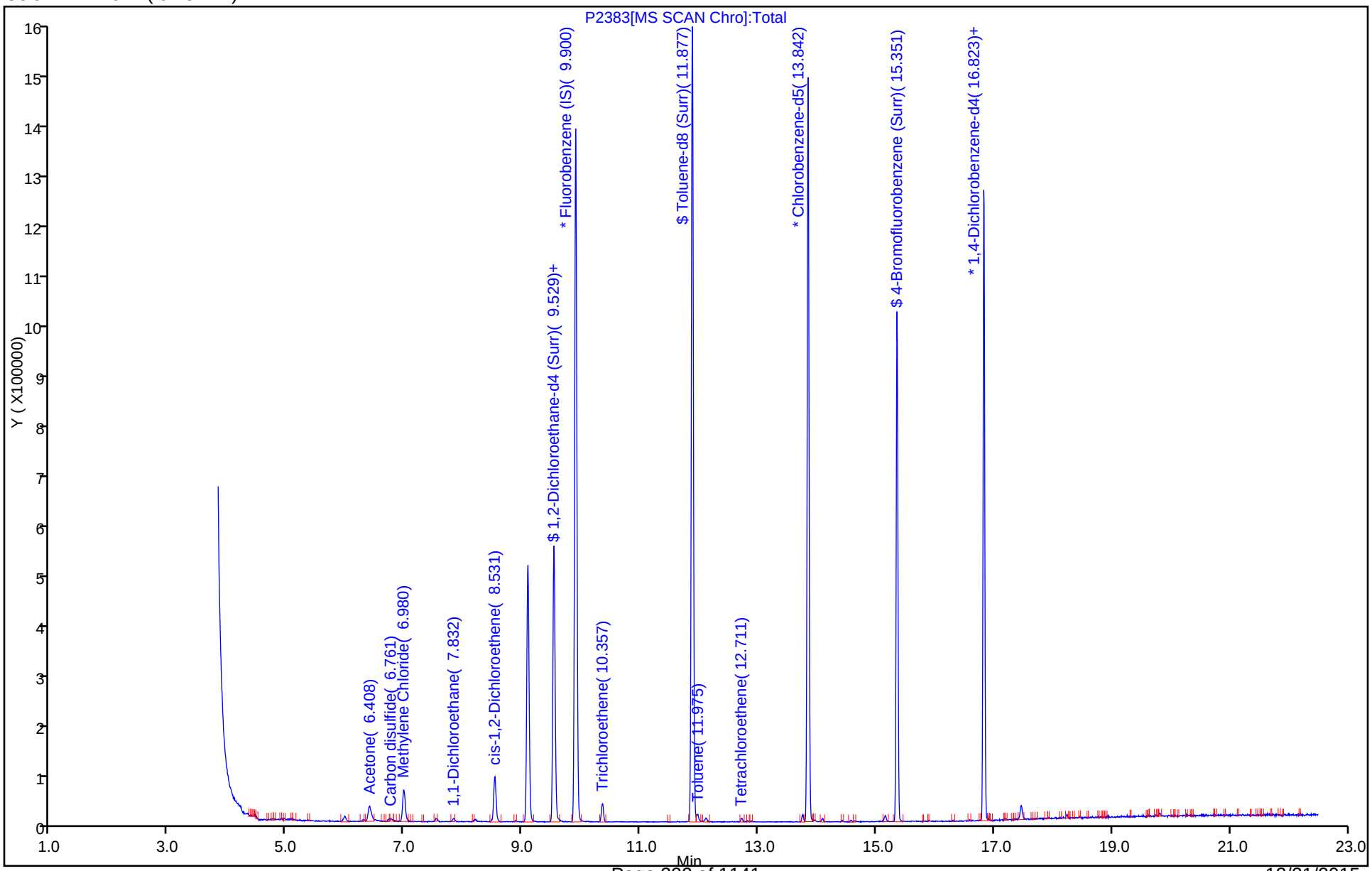
Report Date: 16-Dec-2015 09:08:27 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2383.D

Injection Date:	15-Dec-2015 18:31:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-8-B	Lab Sample ID:	480-92332-8	Worklist Smp#:	13
Client ID:	B12-AREA2-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

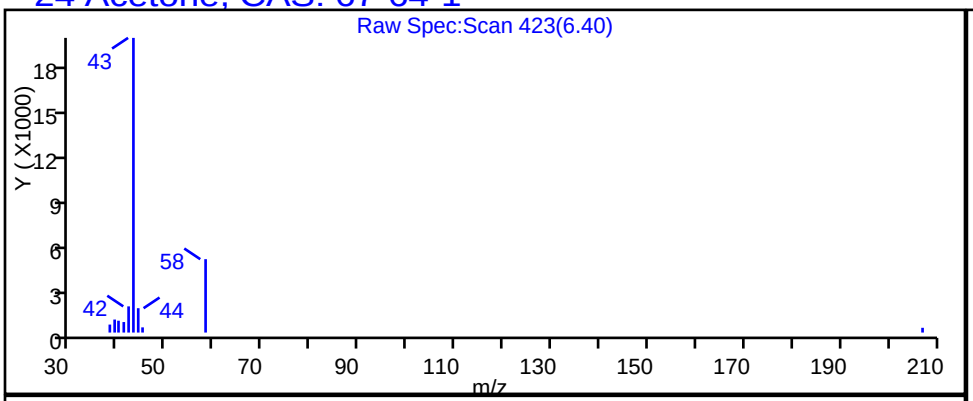


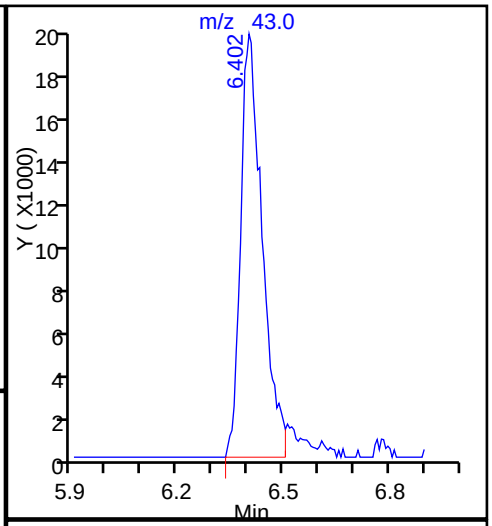
TestAmerica Buffalo

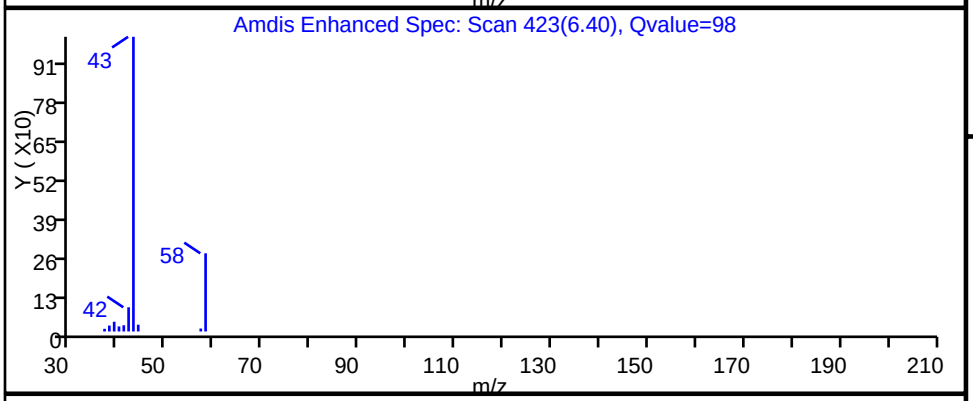
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2383.D

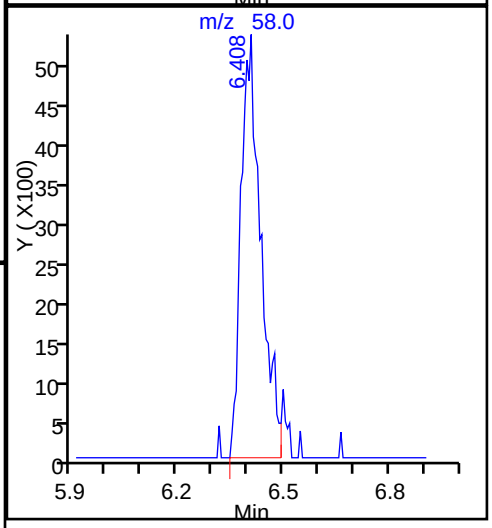
Injection Date:	15-Dec-2015 18:31:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-8-B	Lab Sample ID:	480-92332-8
Client ID:	B12-AREA2-S3		
Operator ID:	CDC	ALS Bottle#:	7 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

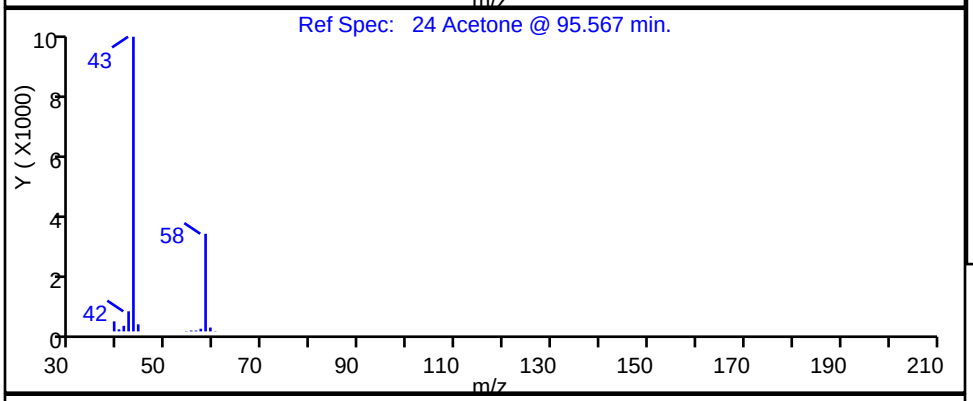
24 Acetone, CAS: 67-64-1

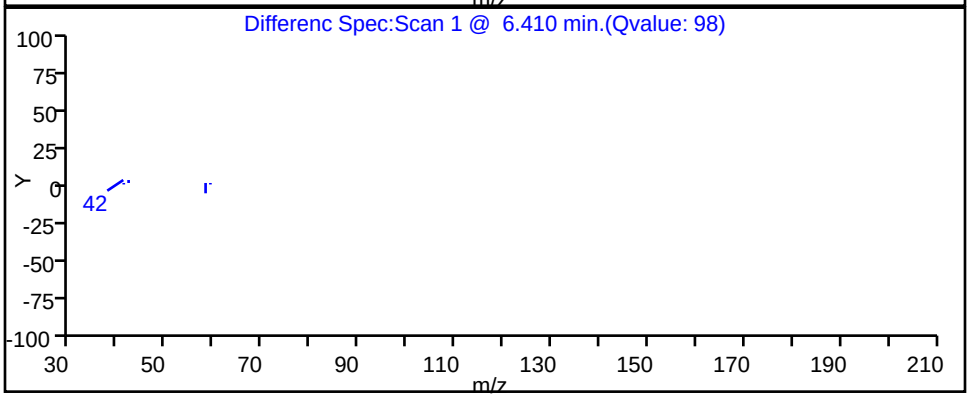












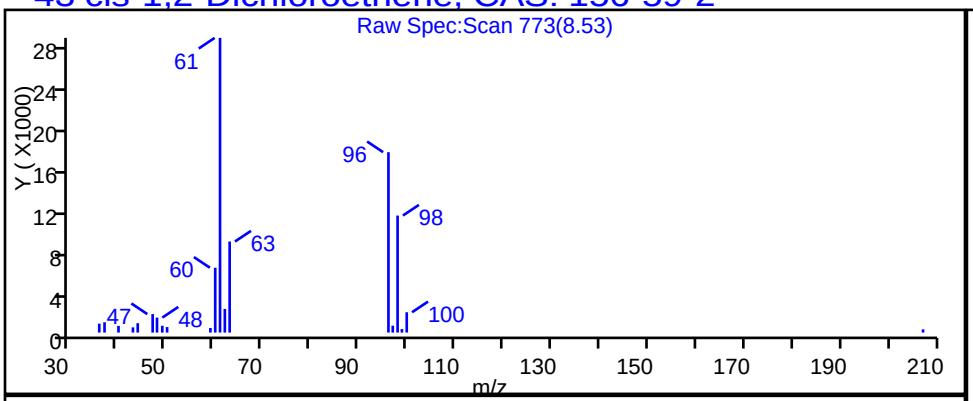
Report Date: 16-Dec-2015 09:08:27 Chrom Revision: 2.2 02-Dec-2015 11:51:48

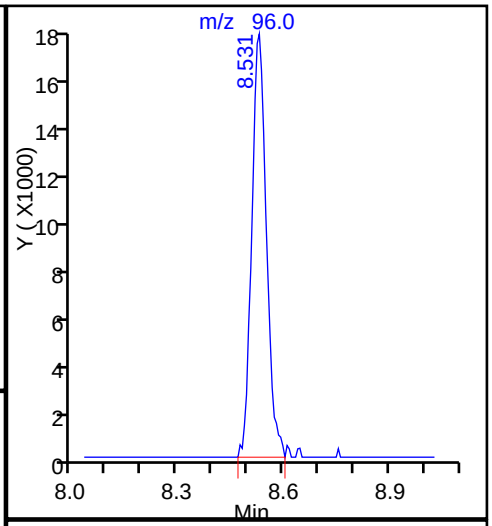
TestAmerica Buffalo

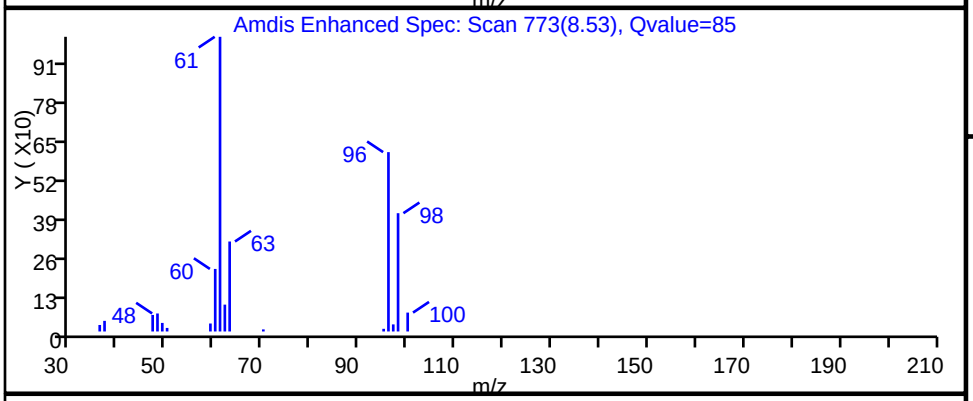
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2383.D

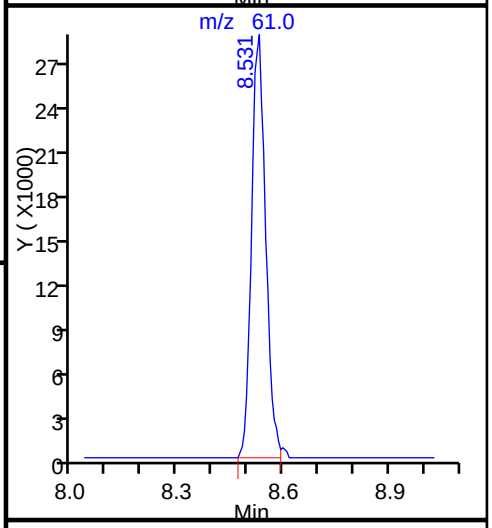
Injection Date:	15-Dec-2015 18:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-8-B	Lab Sample ID:	480-92332-8		
Client ID:	B12-AREA2-S3				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

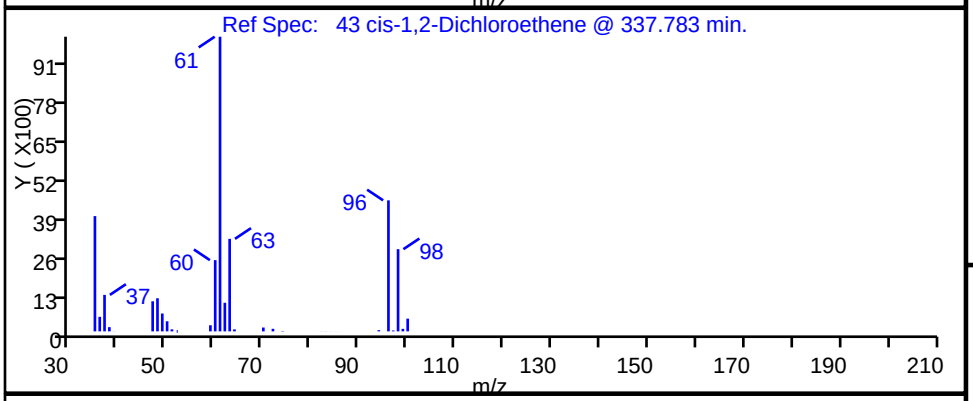
43 cis-1,2-Dichloroethene, CAS: 156-59-2

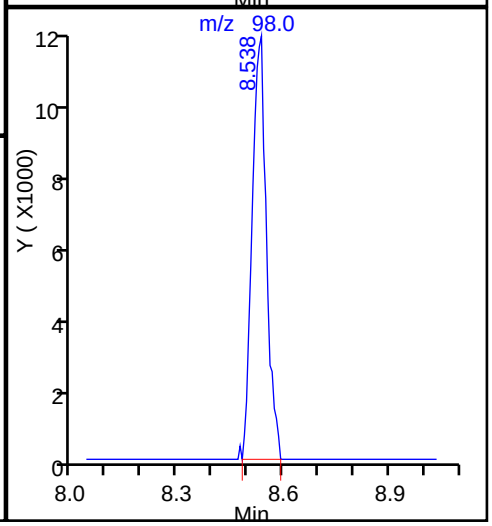


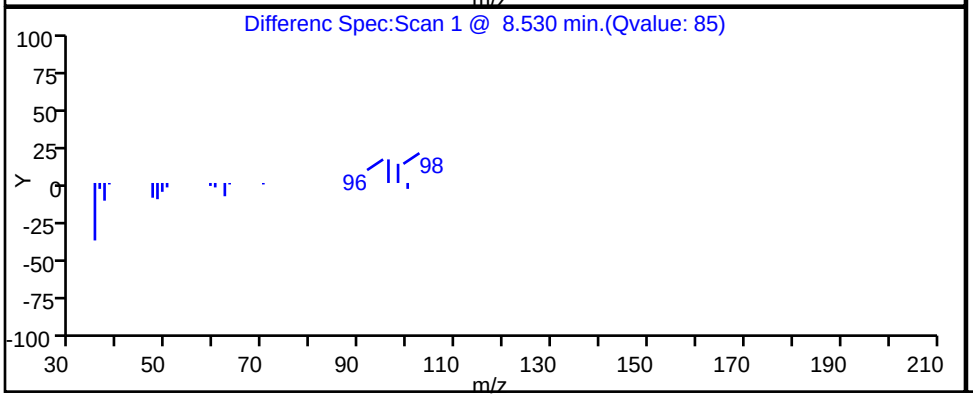












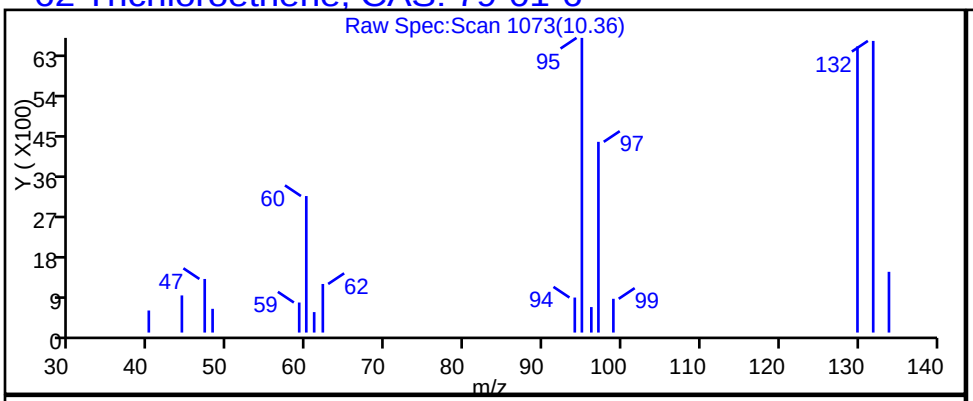
Report Date: 16-Dec-2015 09:08:27 Chrom Revision: 2.2 02-Dec-2015 11:51:48

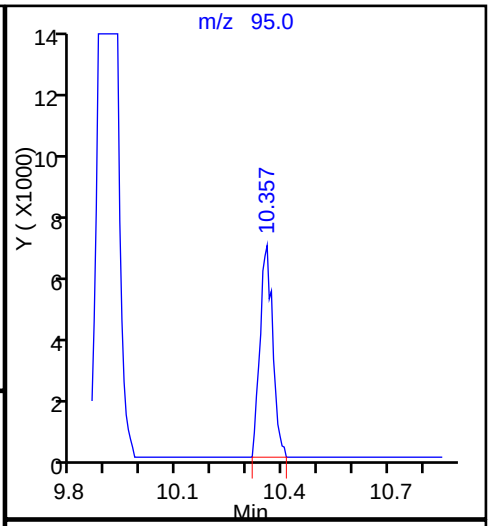
TestAmerica Buffalo

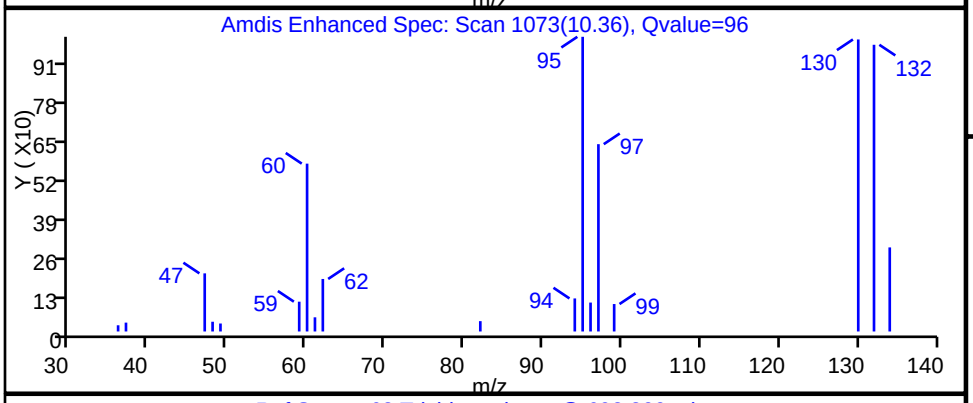
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2383.D

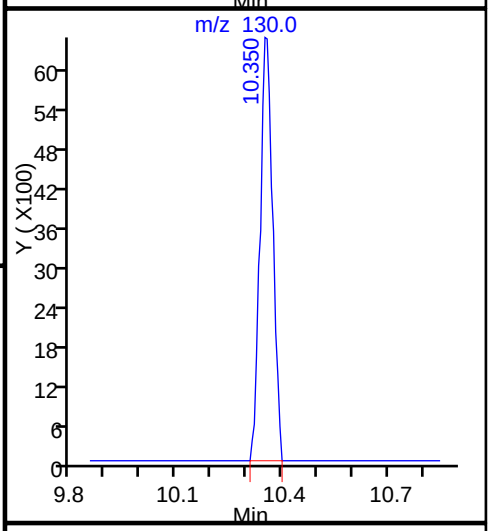
Injection Date:	15-Dec-2015 18:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-8-B	Lab Sample ID:	480-92332-8		
Client ID:	B12-AREA2-S3				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

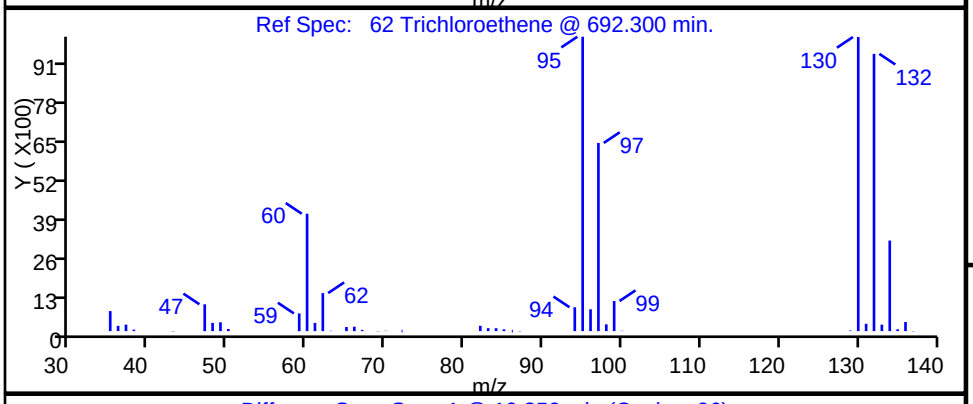
62 Trichloroethene, CAS: 79-01-6

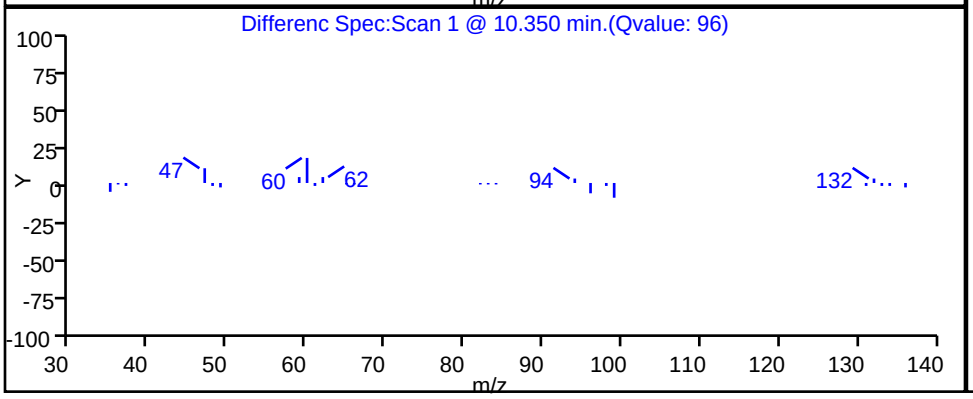


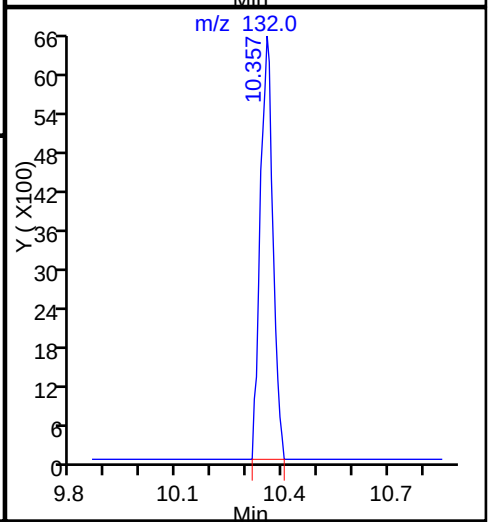












Manual Integration/User Assign Peak Report

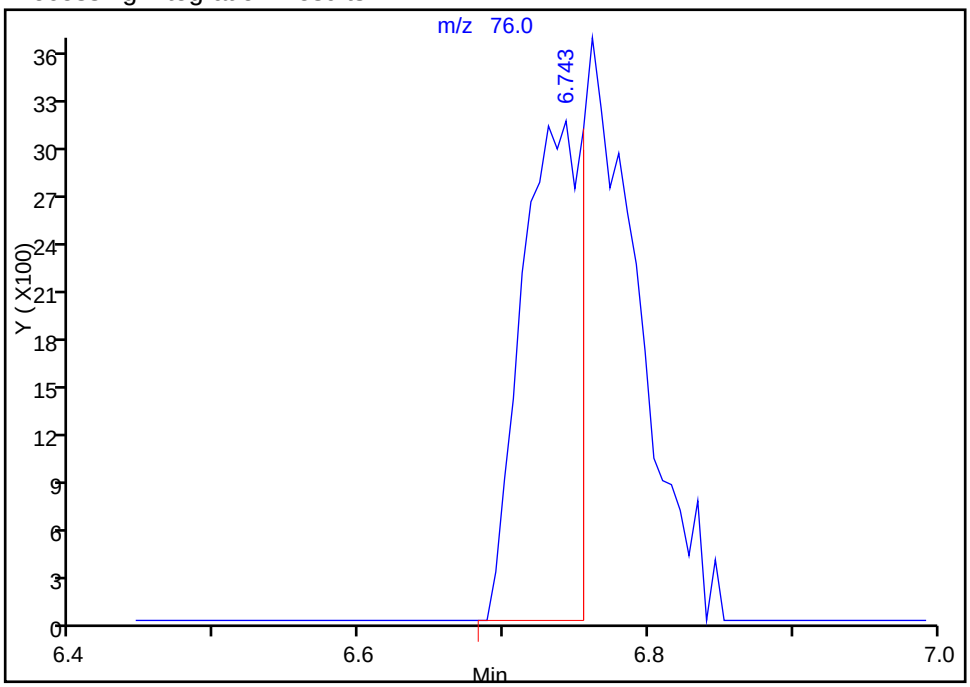
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2383.D				
Injection Date:	15-Dec-2015 18:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-8-B	Lab Sample ID:	480-92332-8		
Client ID:	B12-AREA2-S3				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

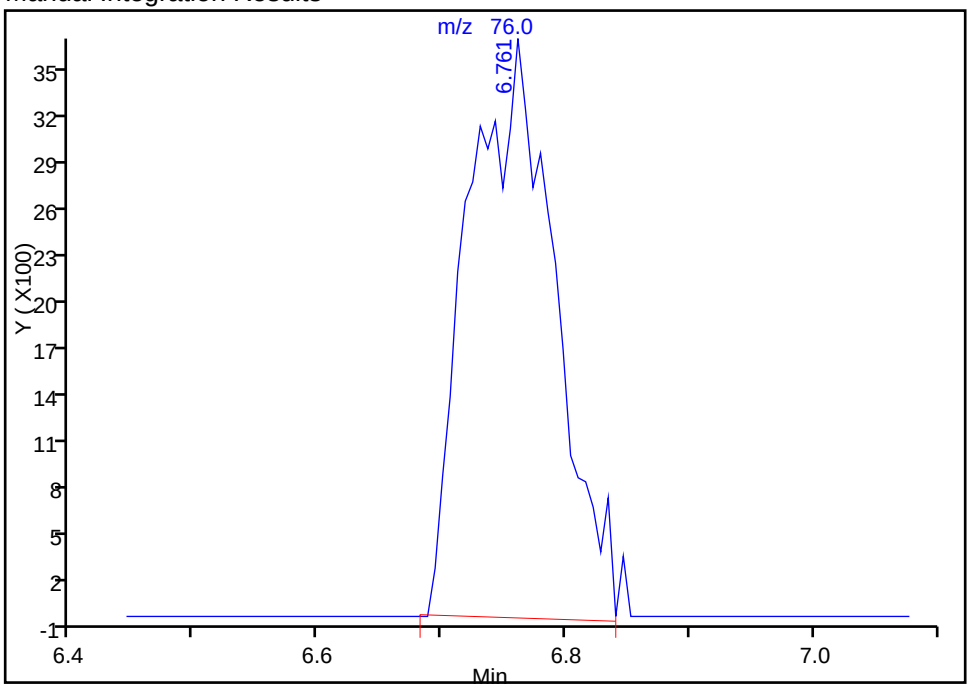
Processing Integration Results

RT: 6.74
Area: 9055
Amount: 0.278239
Amount Units: ug/L



Manual Integration Results

RT: 6.76
Area: 17648
Amount: 0.542281
Amount Units: ug/L



Reviewer: diasn, 15-Dec-2015 19:51:34
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S1 | Lab Sample ID: 480-92332-9

Matrix: Solid | Lab File ID: P2363.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:40

Sample wt/vol: 5.16(g) | Date Analyzed: 12/15/2015 07:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	220	E	5.3	0.64
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND		5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.3	2.6
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND		5.3	0.41
107-06-2	1,2-Dichloroethane	0.56	J	5.3	0.26
78-87-5	1,2-Dichloropropane	ND		5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.3	0.74
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.6
74-83-9	Bromomethane	ND		5.3	0.47
75-15-0	Carbon disulfide	ND		5.3	2.6
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	1100	E	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.36
98-82-8	Isopropylbenzene	ND		5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S1 | Lab Sample ID: 480-92332-9

Matrix: Solid | Lab File ID: P2363.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:40

Sample wt/vol: 5.16(g) | Date Analyzed: 12/15/2015 07:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.80
75-09-2	Methylene Chloride	ND		5.3	2.4
100-42-5	Styrene	ND		5.3	0.26
127-18-4	Tetrachloroethene	ND		5.3	0.71
108-88-3	Toluene	ND		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	0.81	J	5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.64
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2363.D
Lims ID: 480-92332-A-9-A Lab Sample ID: 480-92332-9
Client ID: B13-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 07:53:30 ALS Bottle#: 21 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-9-A
Misc. Info.: 480-0049221-020
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 08:39:21 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 08:40:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	301000	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	596498	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.830	-0.001	97	549429	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.535	0.000	0	247594	53.2	
$ 5 Toluene-d8 (Surr)	98	11.877	11.884	-0.007	95	1293610	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	89	437328	48.1	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96	6.366	6.378	-0.012	69	5026	0.5006	
24 Acetone	43	6.396	6.396	0.000	95	12863	3.73	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.773	6.773	0.000	99	46979	1.51	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.296	7.303	-0.007	90	6505	0.7676	
40 1,1-Dichloroethane	63	7.838	7.826	0.012	97	3930160	208.7	E
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.526	0.005	79	9259430	1007.6	E
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62	9.626	9.621	0.005	95	7889	0.5264	
62 Trichloroethene	95	10.363	10.351	0.012	91	8411	0.9358	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

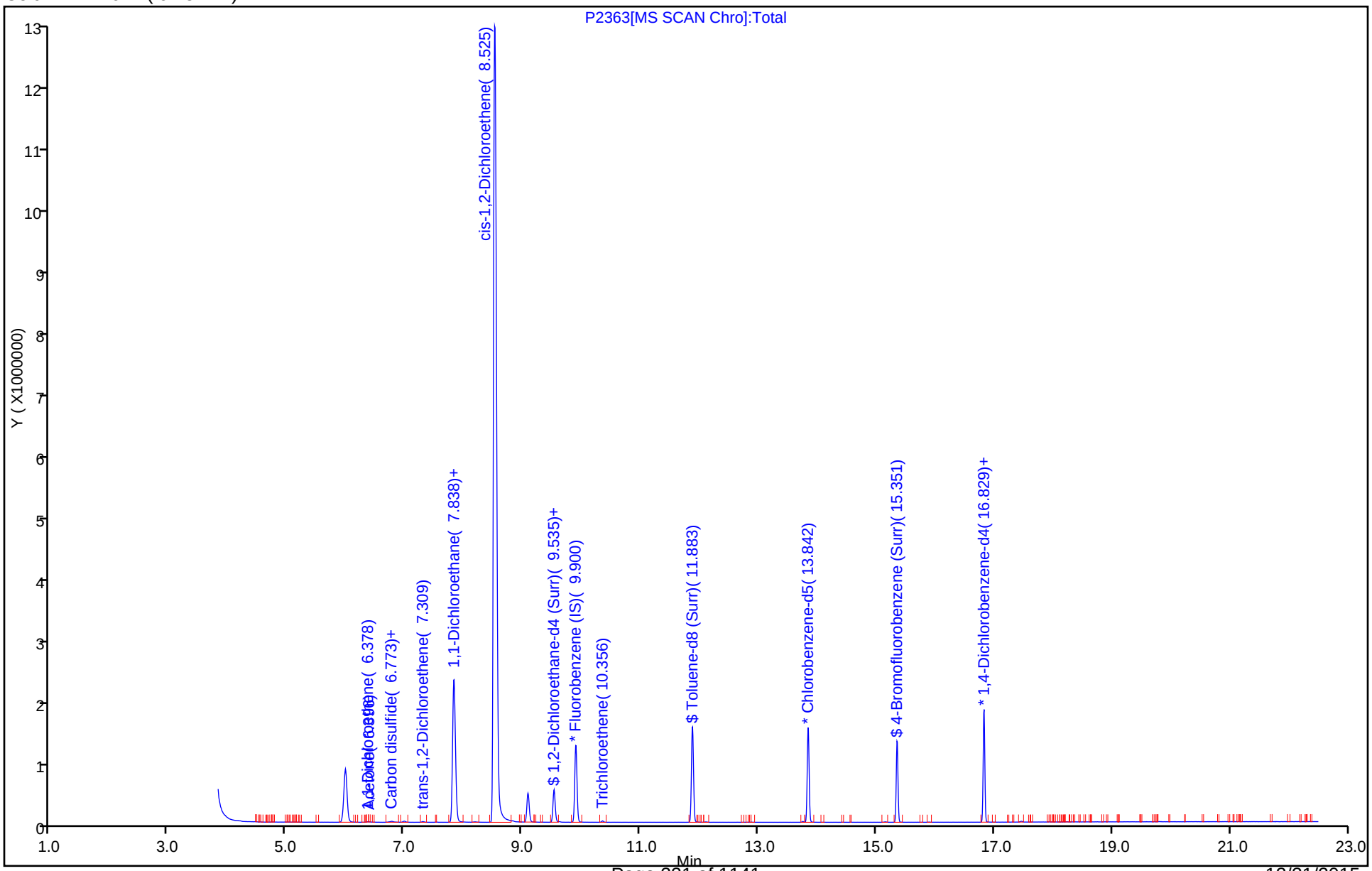
Report Date: 15-Dec-2015 08:40:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2363.D

Injection Date:	15-Dec-2015 07:53:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-9-A	Lab Sample ID:	480-92332-9	Worklist Smp#:	20
Client ID:	B13-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



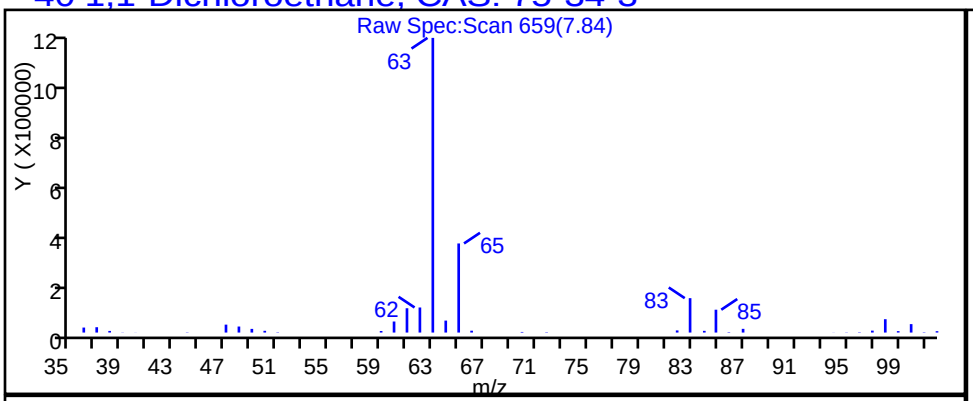
Report Date: 15-Dec-2015 08:40:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

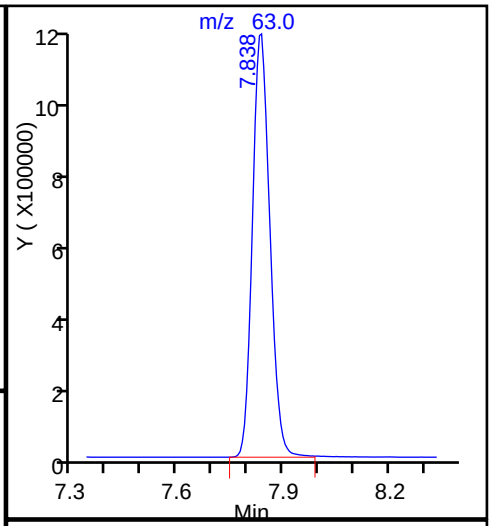
TestAmerica Buffalo

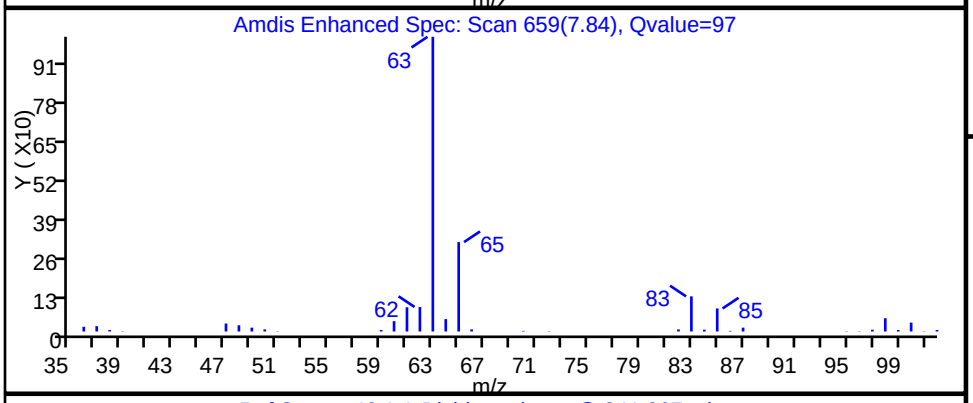
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2363.D

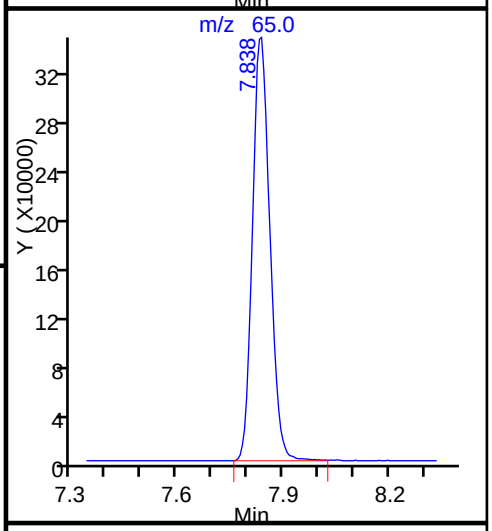
Injection Date:	15-Dec-2015 07:53:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-9-A	Lab Sample ID:	480-92332-9		
Client ID:	B13-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

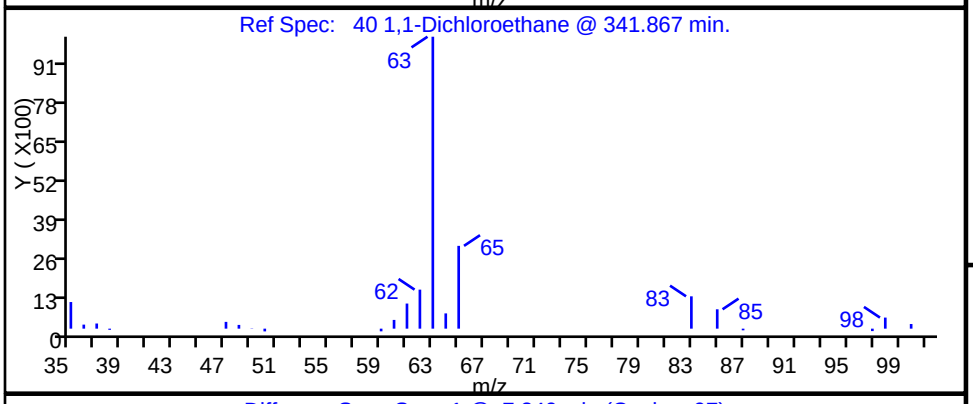
40 1,1-Dichloroethane, CAS: 75-34-3

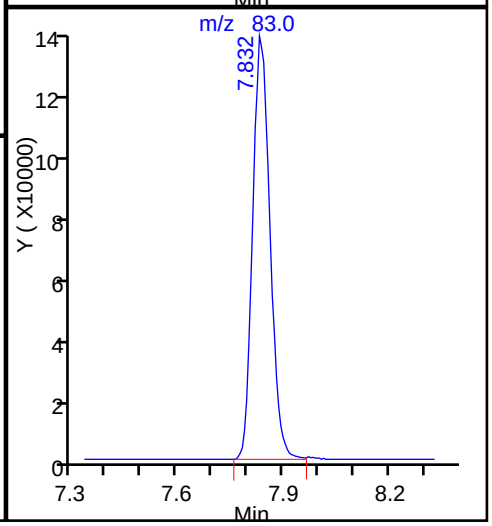


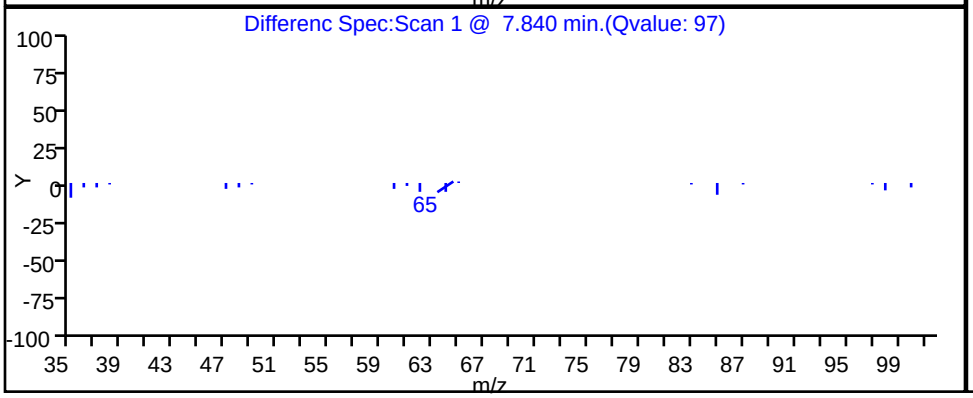








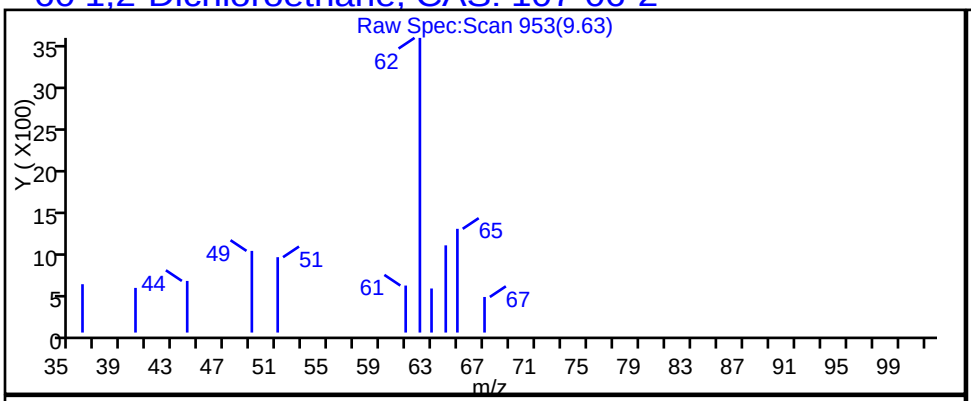


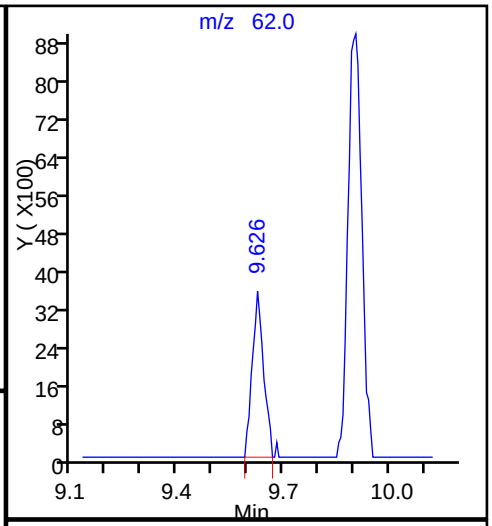


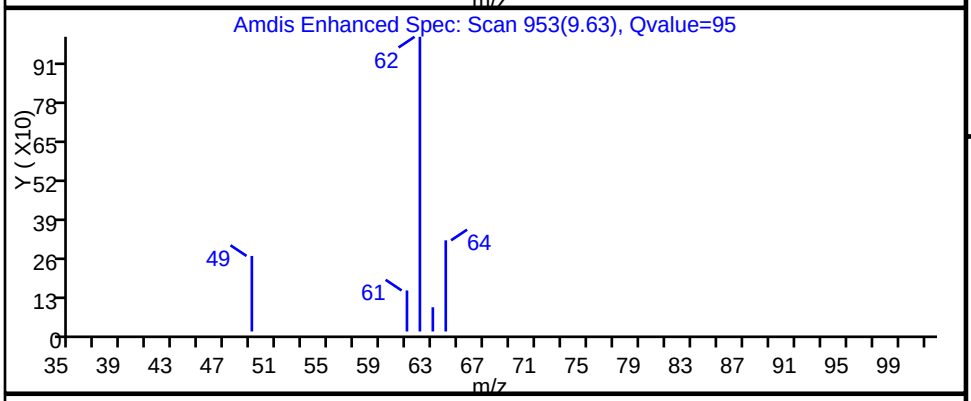
TestAmerica Buffalo

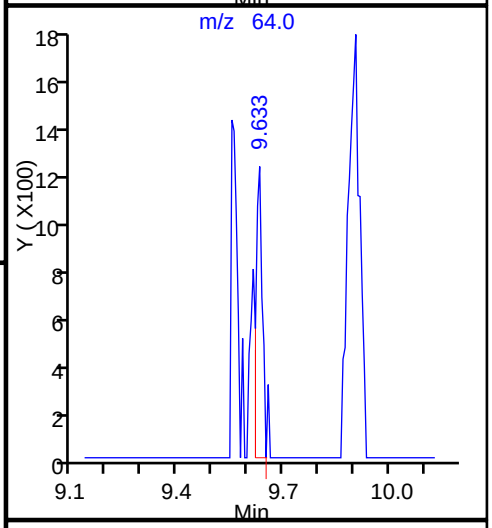
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2363.D				
Injection Date:	15-Dec-2015 07:53:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-9-A	Lab Sample ID:	480-92332-9		
Client ID:	B13-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

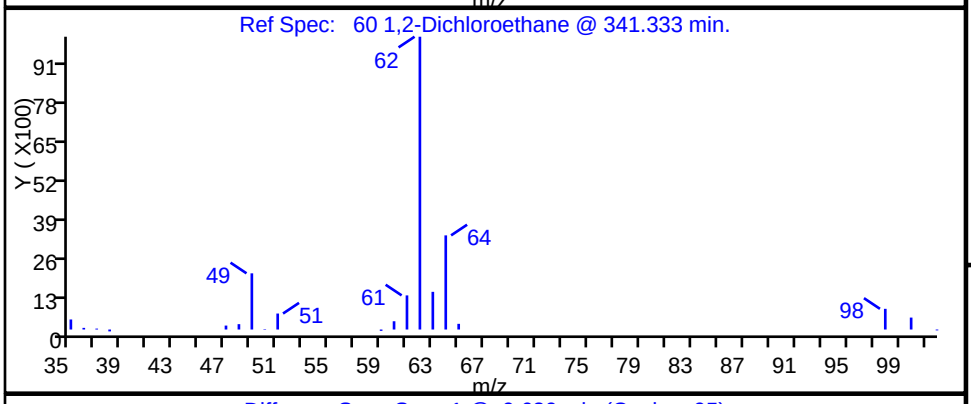
60 1,2-Dichloroethane, CAS: 107-06-2

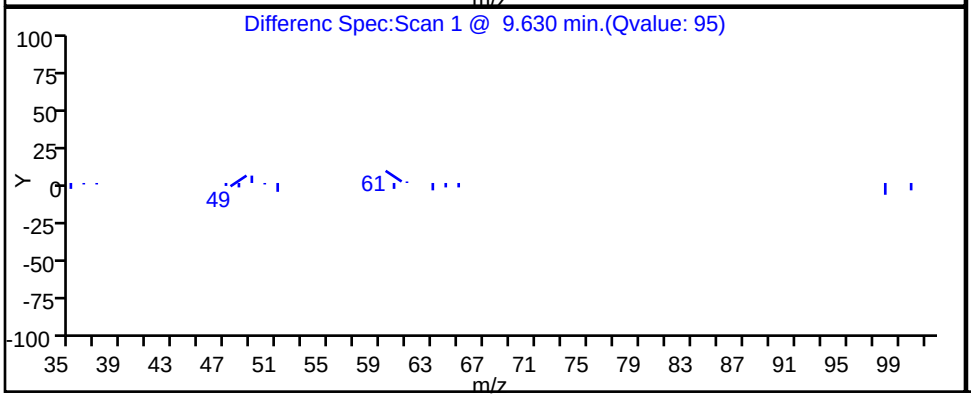


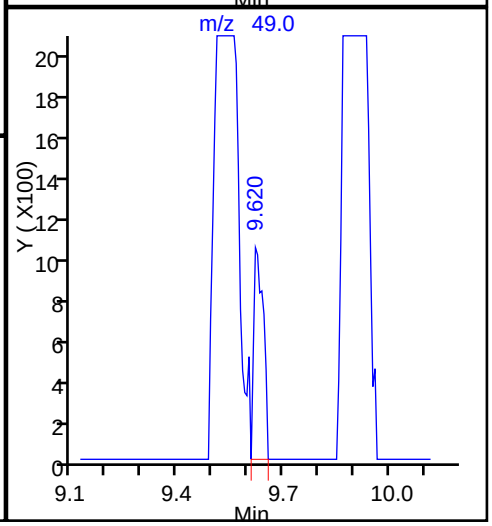












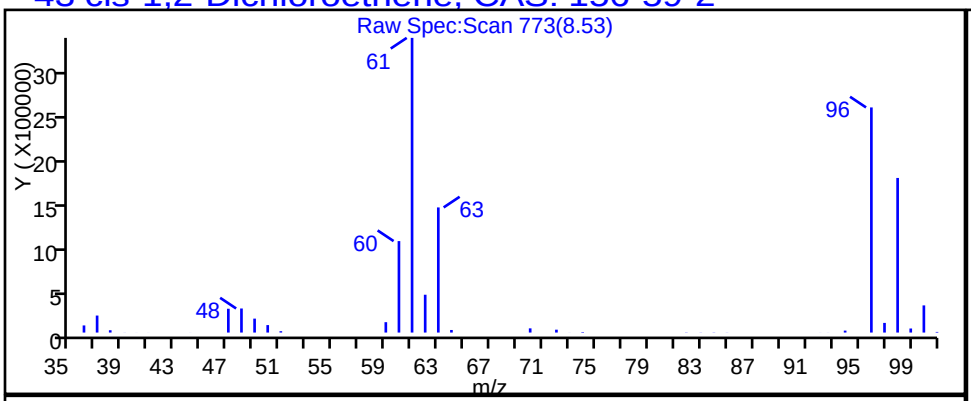
Report Date: 15-Dec-2015 08:41:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

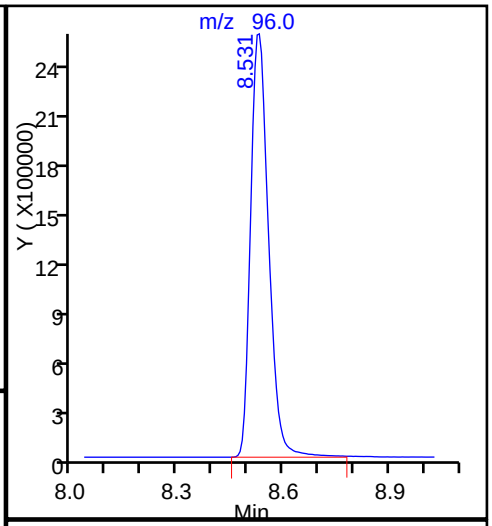
TestAmerica Buffalo

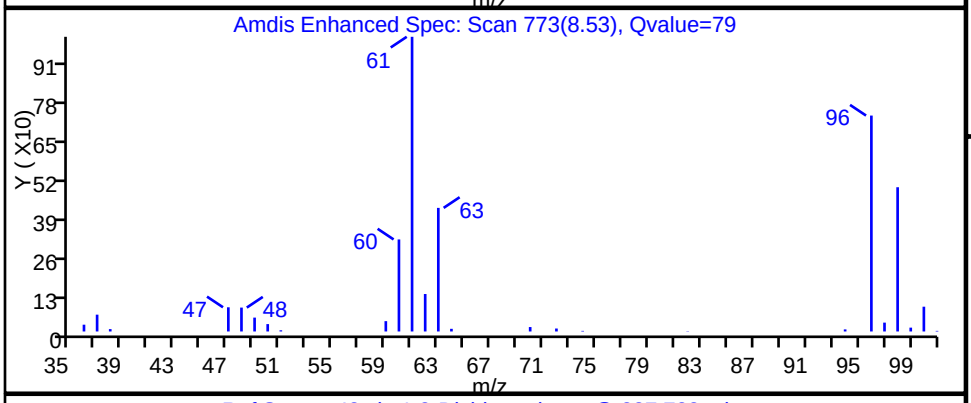
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2363.D

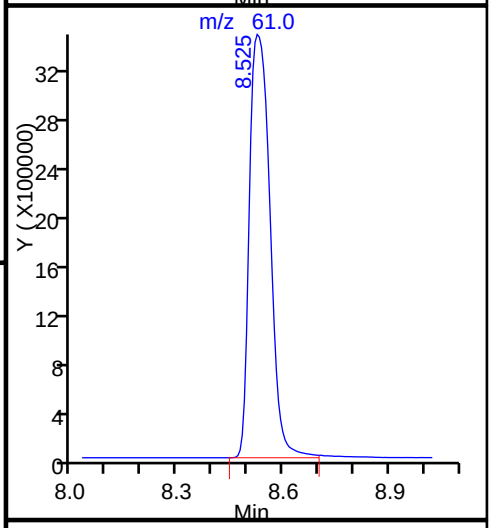
Injection Date:	15-Dec-2015 07:53:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-9-A	Lab Sample ID:	480-92332-9		
Client ID:	B13-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

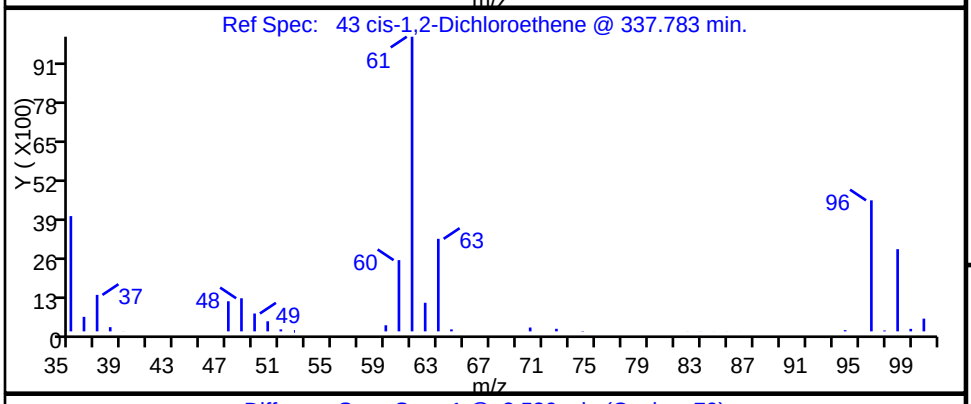
43 cis-1,2-Dichloroethene, CAS: 156-59-2

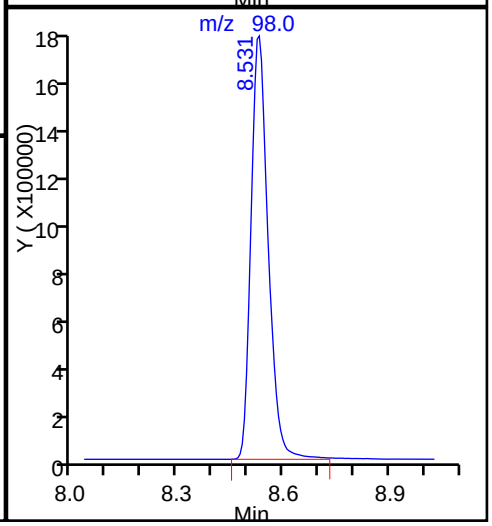


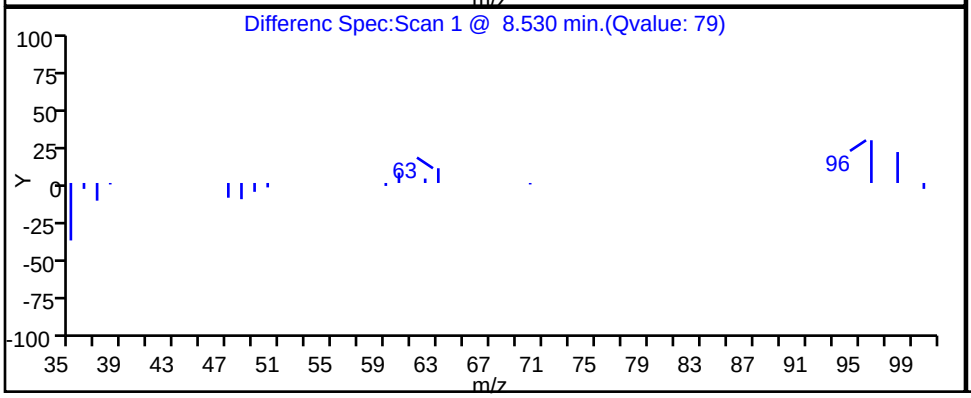








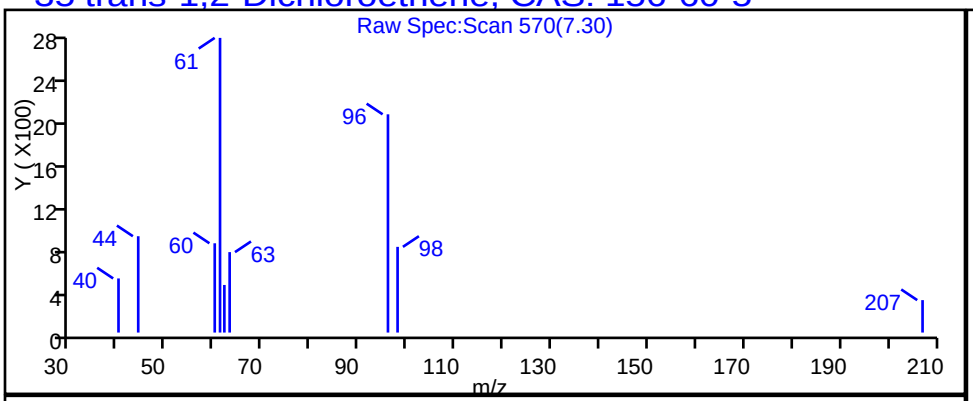


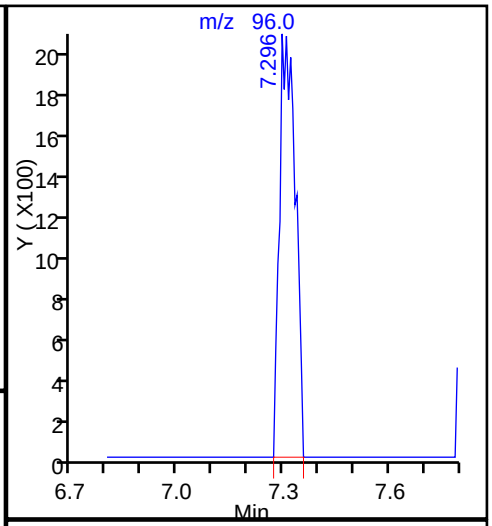


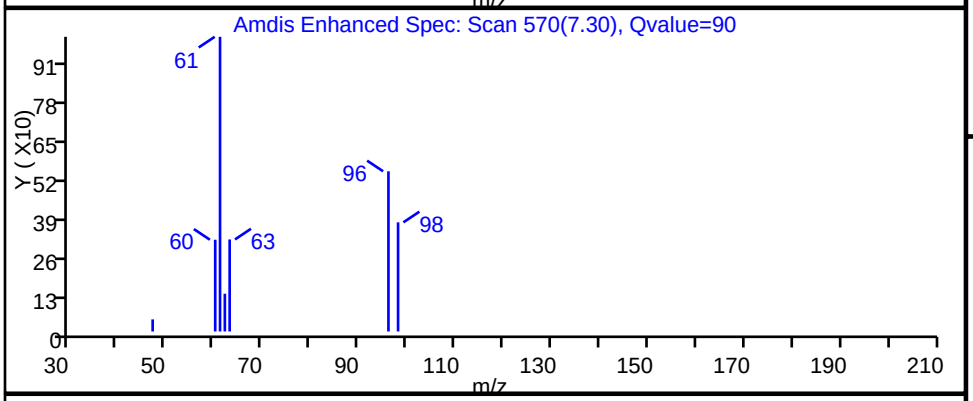
TestAmerica Buffalo

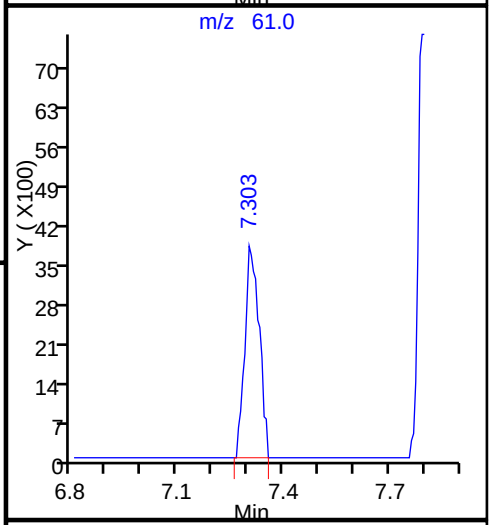
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2363.D				
Injection Date:	15-Dec-2015 07:53:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-9-A	Lab Sample ID:	480-92332-9		
Client ID:	B13-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

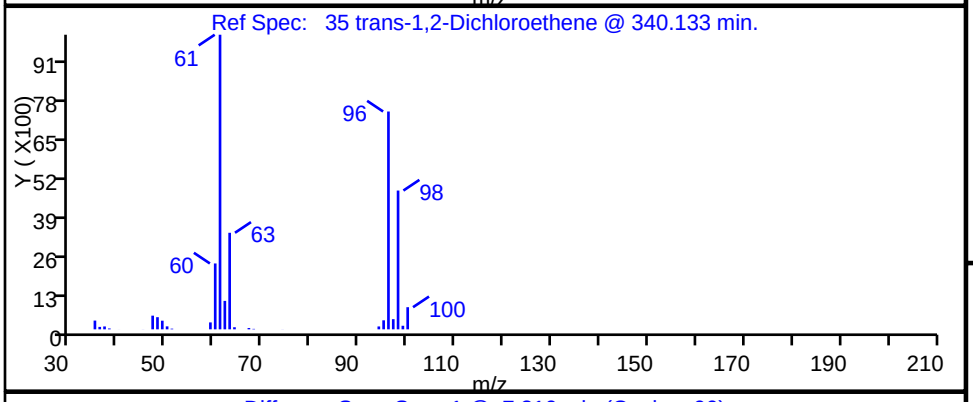
35 trans-1,2-Dichloroethene, CAS: 156-60-5

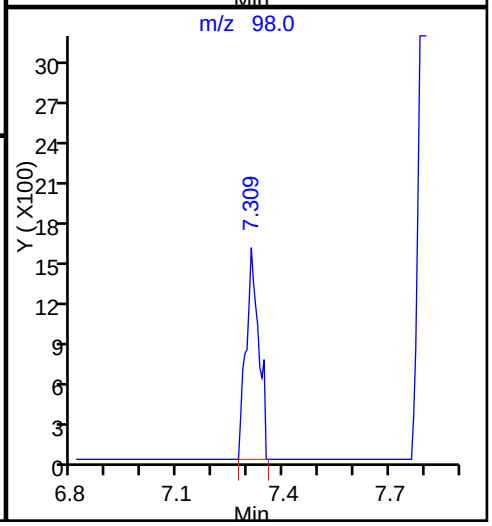


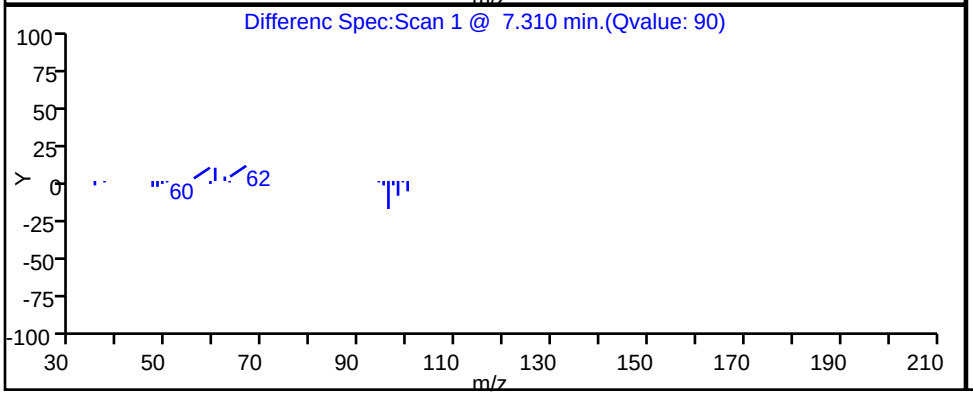












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S1 DL | Lab Sample ID: 480-92332-9 DL

Matrix: Solid | Lab File ID: S6381.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:40

Sample wt/vol: 5.05(g) | Date Analyzed: 12/20/2015 20:24

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	310
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100	560
79-00-5	1,1,2-Trichloroethane	ND		1100	240
75-34-3	1,1-Dichloroethane	1900		1100	350
75-35-4	1,1-Dichloroethene	ND		1100	390
120-82-1	1,2,4-Trichlorobenzene	ND		1100	430
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	560
106-93-4	1,2-Dibromoethane	ND		1100	200
95-50-1	1,2-Dichlorobenzene	ND		1100	290
107-06-2	1,2-Dichloroethane	ND		1100	460
78-87-5	1,2-Dichloropropane	ND		1100	180
541-73-1	1,3-Dichlorobenzene	ND		1100	300
106-46-7	1,4-Dichlorobenzene	ND		1100	160
78-93-3	2-Butanone (MEK)	ND		5600	3300
591-78-6	2-Hexanone	ND		5600	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5600	360
67-64-1	Acetone	ND		5600	4600
71-43-2	Benzene	ND		1100	210
75-27-4	Bromodichloromethane	ND		1100	220
75-25-2	Bromoform	ND		1100	560
74-83-9	Bromomethane	ND		1100	250
75-15-0	Carbon disulfide	ND		1100	510
56-23-5	Carbon tetrachloride	ND		1100	290
108-90-7	Chlorobenzene	ND		1100	150
75-00-3	Chloroethane	ND		1100	230
67-66-3	Chloroform	ND		1100	770
74-87-3	Chloromethane	ND		1100	270
156-59-2	cis-1,2-Dichloroethene	13000		1100	310
10061-01-5	cis-1,3-Dichloropropene	ND		1100	270
110-82-7	Cyclohexane	ND		1100	250
124-48-1	Dibromochloromethane	ND		1100	540
75-71-8	Dichlorodifluoromethane	ND		1100	490
100-41-4	Ethylbenzene	ND		1100	330
98-82-8	Isopropylbenzene	ND		1100	170

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S1 DL | Lab Sample ID: 480-92332-9 DL

Matrix: Solid | Lab File ID: S6381.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:40

Sample wt/vol: 5.05(g) | Date Analyzed: 12/20/2015 20:24

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1100	530
1634-04-4	Methyl tert-butyl ether	ND		1100	420
108-87-2	Methylcyclohexane	ND		1100	530
75-09-2	Methylene Chloride	ND		1100	220
100-42-5	Styrene	ND		1100	270
127-18-4	Tetrachloroethene	ND		1100	150
108-88-3	Toluene	ND		1100	300
156-60-5	trans-1,2-Dichloroethene	ND		1100	270
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	ND		1100	310
75-69-4	Trichlorofluoromethane	ND		1100	530
75-01-4	Vinyl chloride	ND		1100	380
1330-20-7	Xylenes, Total	ND		2200	620

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	94		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6381.D
Lims ID: 480-92332-A-9-B Lab Sample ID: 480-92332-9
Client ID: B13-AREA2-S1
Sample Type: Client
Inject. Date: 20-Dec-2015 20:24:30 ALS Bottle#: 24 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-9-B
Misc. Info.: 480-0049418-023
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:30 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	97	92157	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	194297	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	95	179991	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	74104	25.9	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	457384	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	140410	25.6	
10 Dichlorodifluoromethane	85		1.243				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.504				ND	
14 Bromomethane	94		1.809				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.733				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.038				ND	
30 Methylene Chloride	84		3.159				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.372				ND	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	44	15432	1.66	
45 cis-1,2-Dichloroethene	96	4.340	4.339	0.001	71	55502	11.8	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.650				ND	
51 1,1,1-Trichloroethane	97		4.777				ND	
52 Cyclohexane	56		4.802				ND	
55 Carbon tetrachloride	117		4.923				ND	
57 Benzene	78		5.130				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95		5.745				ND	
64 Methylcyclohexane	83		5.879				ND	
65 1,2-Dichloropropane	63		5.976				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.822				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.430				ND	
81 Tetrachloroethene	166		7.521				ND	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91		8.525				ND	
90 m-Xylene & p-Xylene	106		8.647				ND	
91 o-Xylene	106		9.066				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.153				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

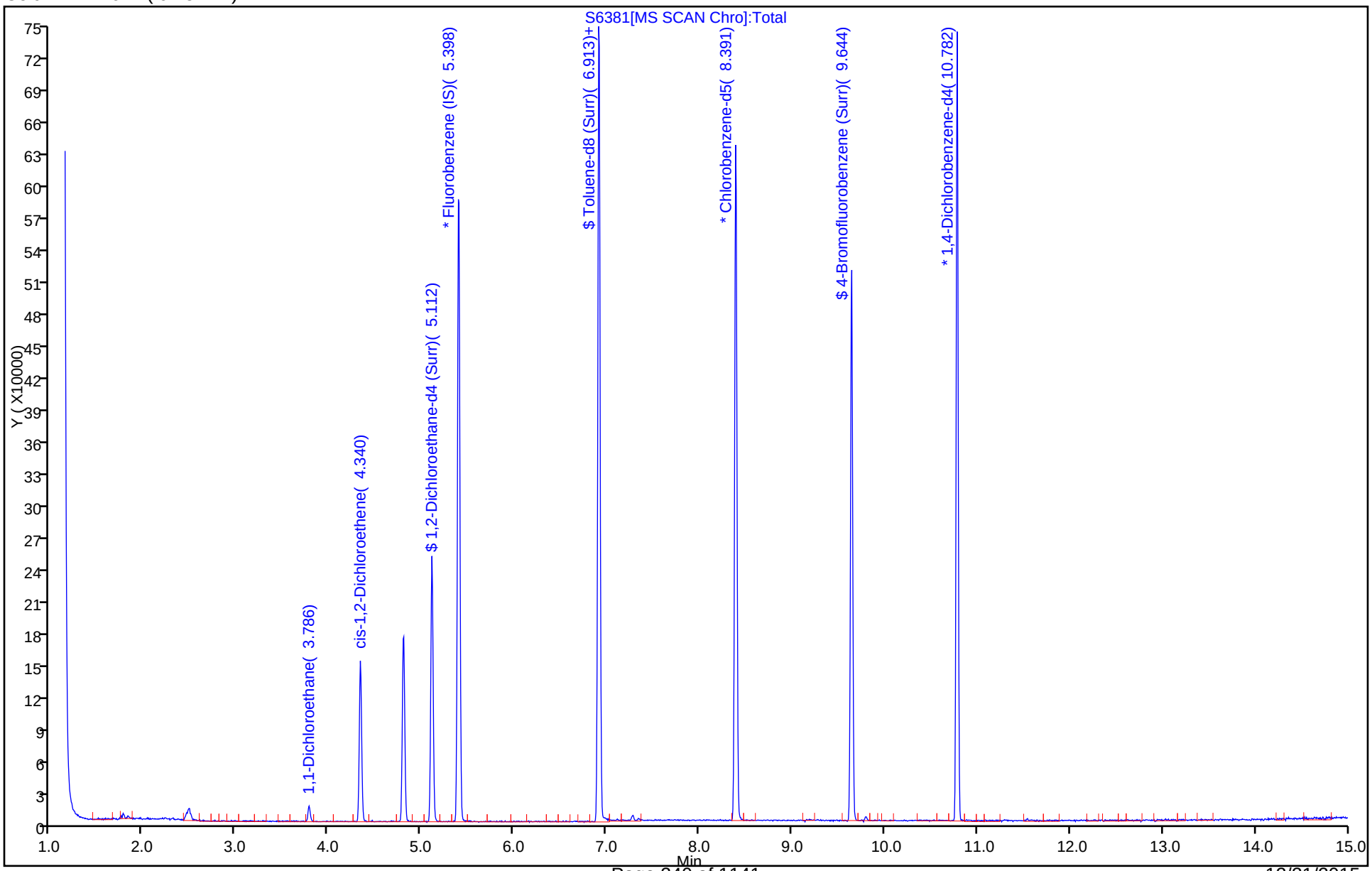
Report Date: 21-Dec-2015 15:18:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6381.D

Injection Date:	20-Dec-2015 20:24:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-9-B	Lab Sample ID:	480-92332-9	Worklist Smp#:	23
Client ID:	B13-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	24
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



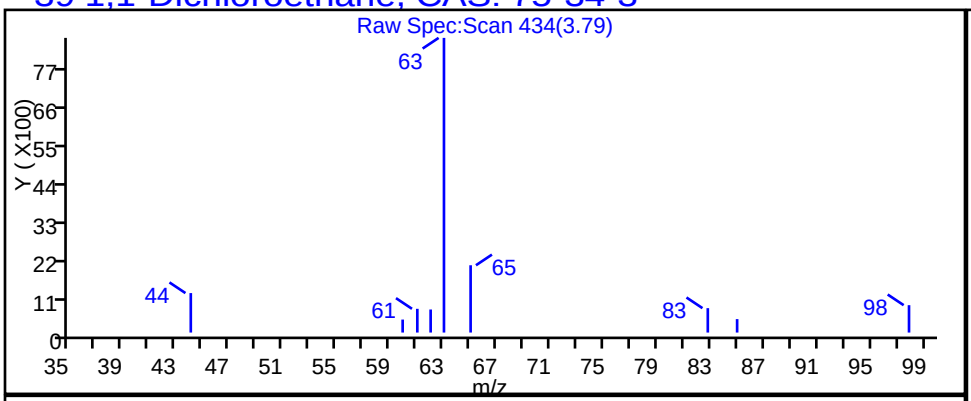
Report Date: 21-Dec-2015 15:18:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

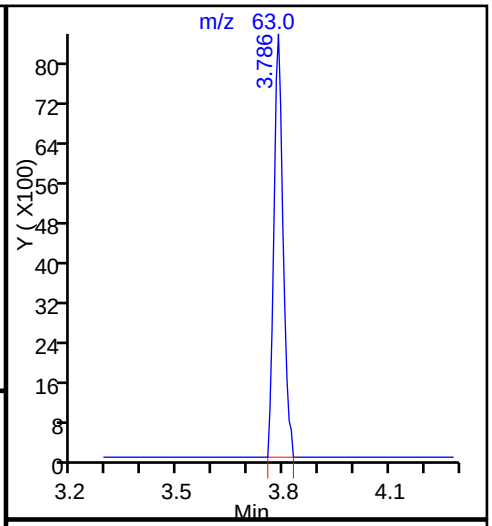
TestAmerica Buffalo

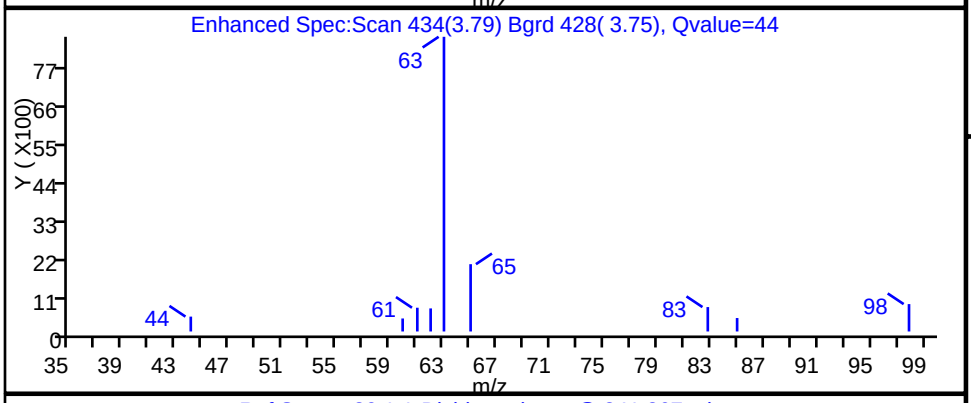
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6381.D

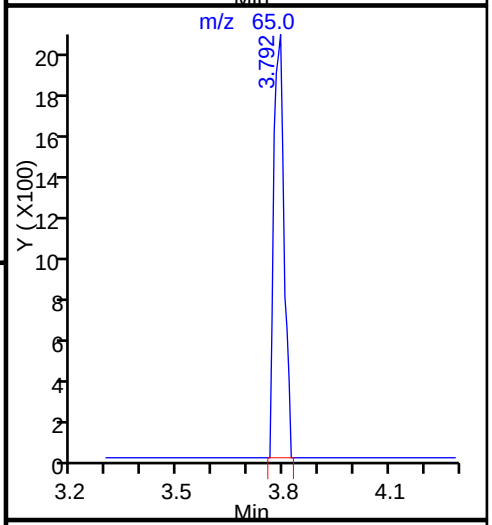
Injection Date:	20-Dec-2015 20:24:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-9-B	Lab Sample ID:	480-92332-9		
Client ID:	B13-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	24	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

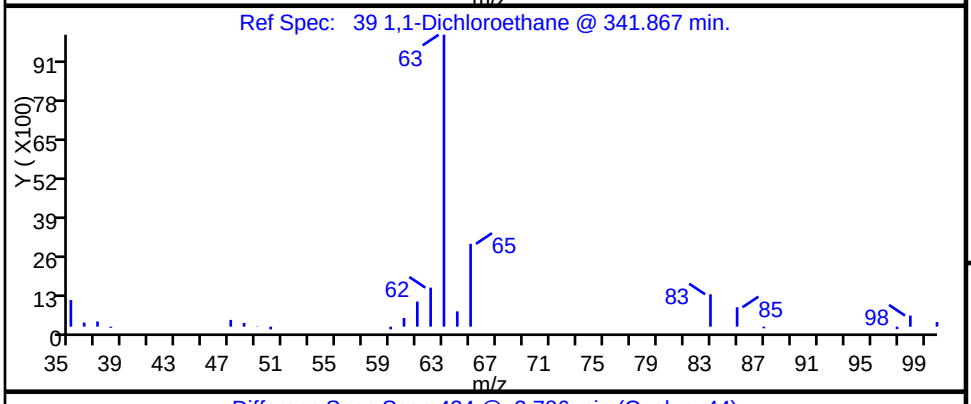
39 1,1-Dichloroethane, CAS: 75-34-3

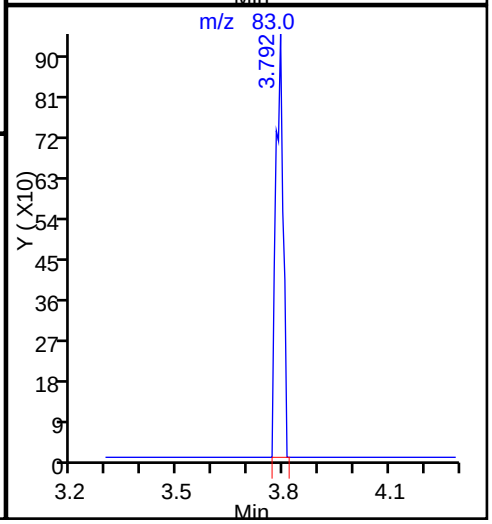


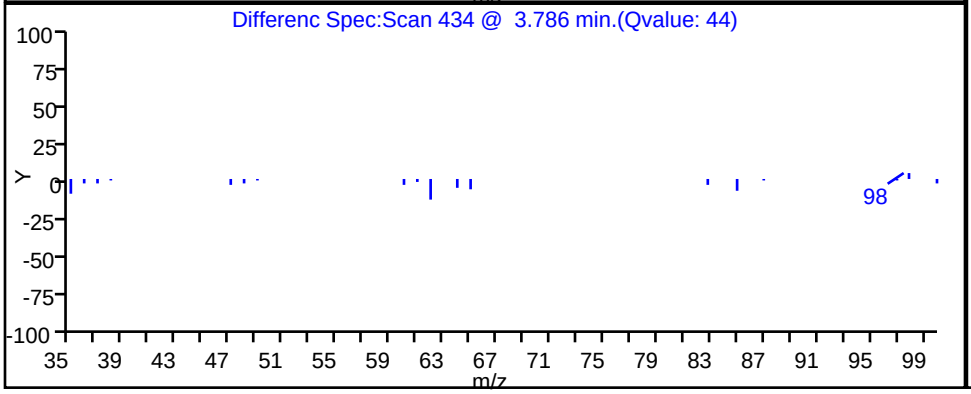












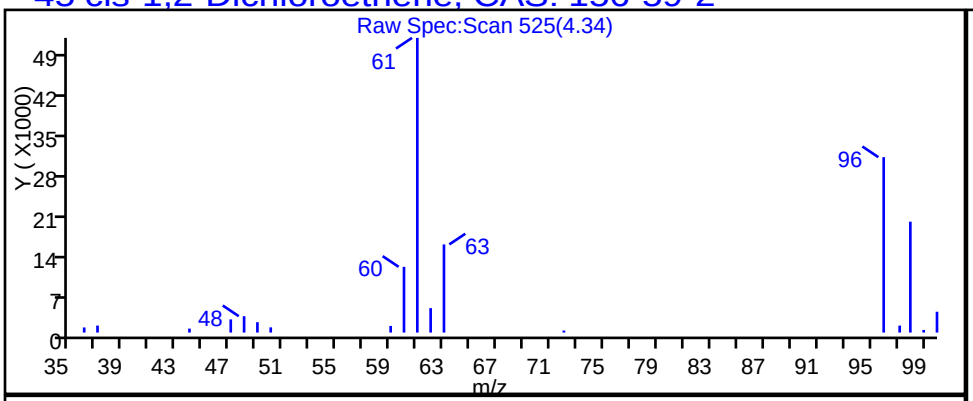
Report Date: 21-Dec-2015 15:18:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

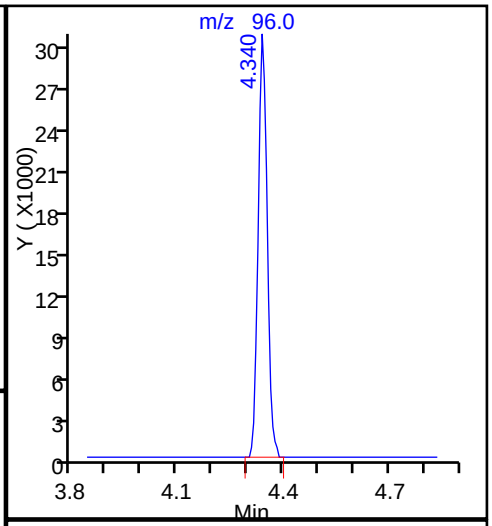
TestAmerica Buffalo

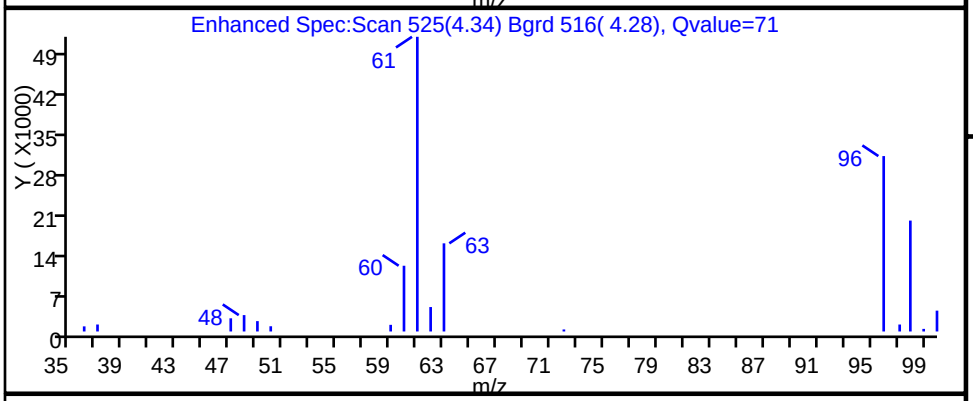
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6381.D

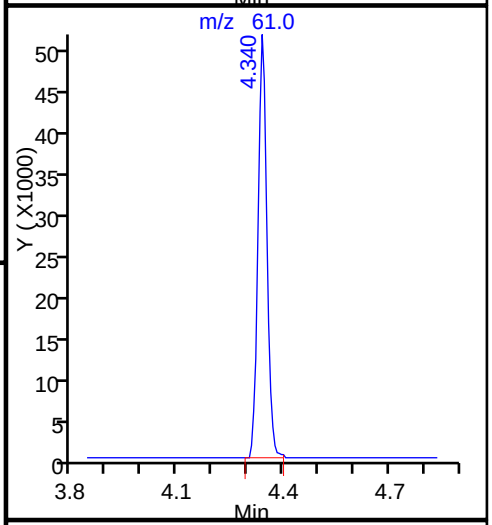
Injection Date:	20-Dec-2015 20:24:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-9-B	Lab Sample ID:	480-92332-9		
Client ID:	B13-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	24	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

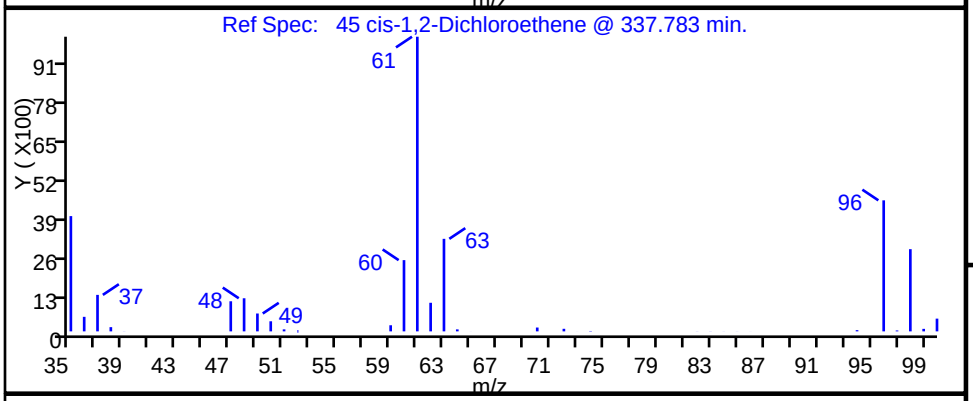
45 cis-1,2-Dichloroethene, CAS: 156-59-2

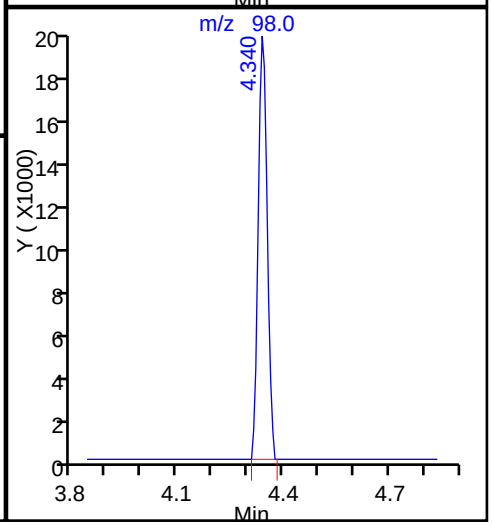


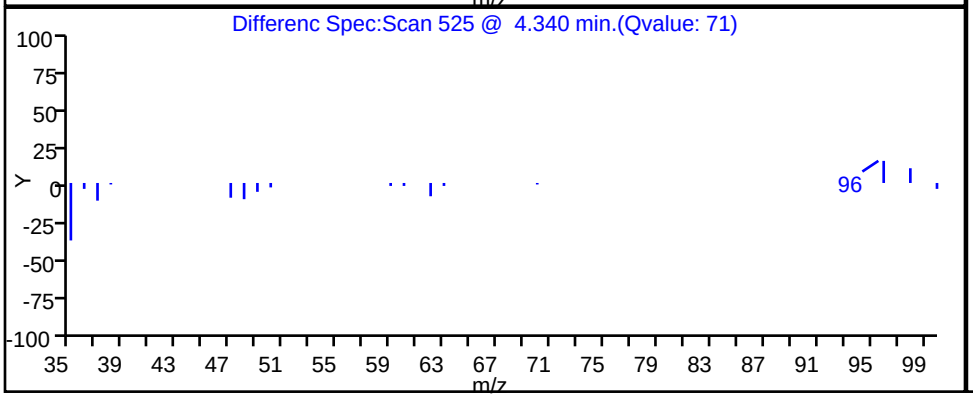












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S2 | Lab Sample ID: 480-92332-10

Matrix: Solid | Lab File ID: P2364.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:55

Sample wt/vol: 5.03(g) | Date Analyzed: 12/15/2015 08:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	110		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	0.39	J	5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	6.7	J B	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	*cis-1,2-Dichloroethene*	*560*	*E*	*5.4*	*0.69*
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S2 | Lab Sample ID: 480-92332-10

Matrix: Solid | Lab File ID: P2364.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:55

Sample wt/vol: 5.03(g) | Date Analyzed: 12/15/2015 08:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.72
108-88-3	Toluene	ND		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	1.3	J	5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	6.3		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D
Lims ID: 480-92332-A-10-A Lab Sample ID: 480-92332-10
Client ID: B13-AREA2-S2
Sample Type: Client
Inject. Date: 15-Dec-2015 08:21:30 ALS Bottle#: 22 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-10-A
Misc. Info.: 480-0049221-021
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 09:02:58 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 15:03:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	281330	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	88	558458	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	529077	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	231163	53.2	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	94	1232259	50.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	413722	48.6	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	36921	5.83	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.390	6.396	-0.006	97	20106	6.24	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.774	6.773	0.001	99	16099	0.5536	
31 Methylene Chloride	84	6.980	6.986	-0.006	93	26018	0.7201	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	1725943	98.1	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	86	4437374	516.6	E
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	95	5146	0.3674	
62 Trichloroethene	95	10.351	10.351	0.000	96	10172	1.21	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

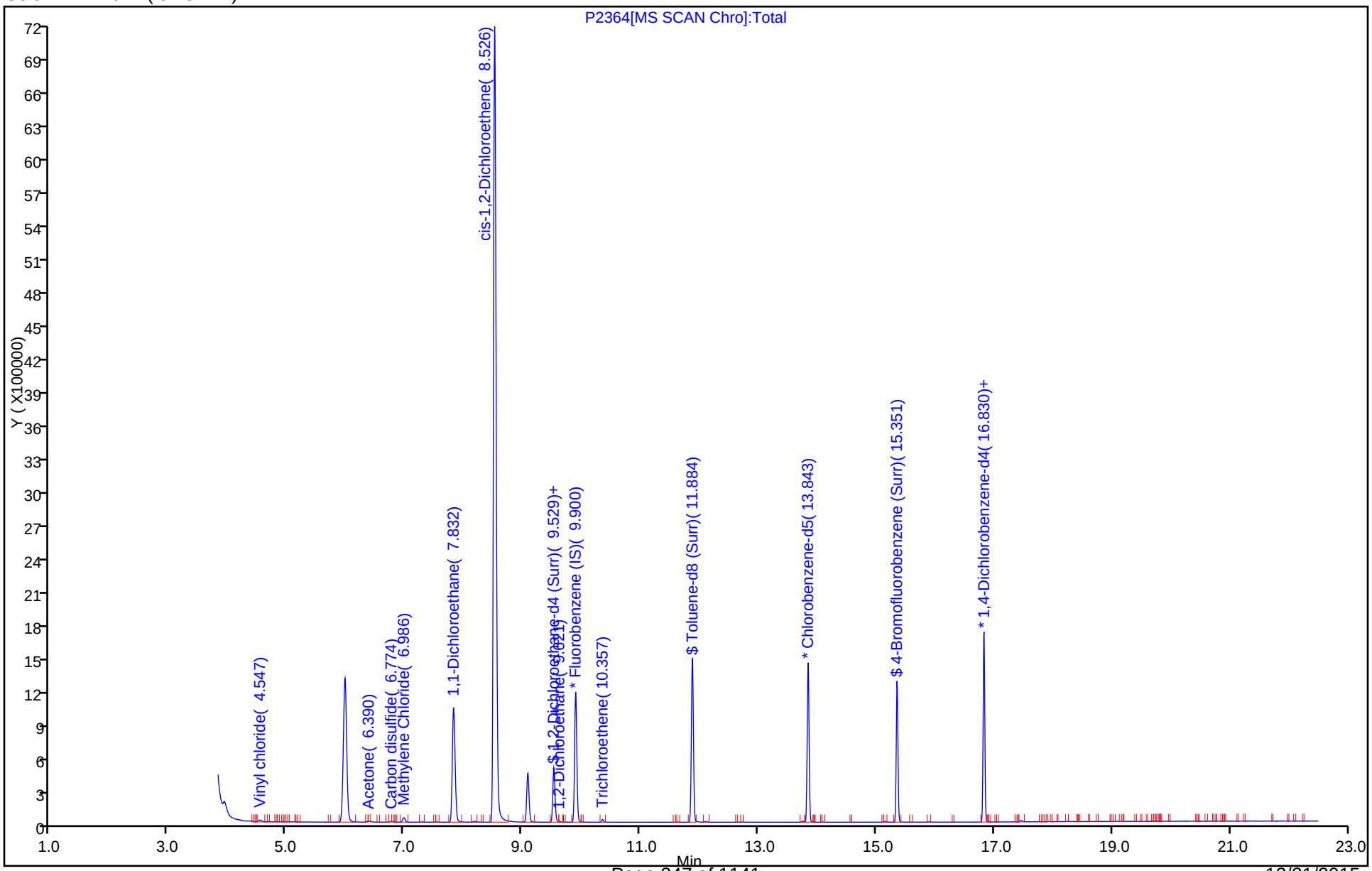
Report Date: 15-Dec-2015 15:04:01 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D

Injection Date:	15-Dec-2015 08:21:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-10-A	Lab Sample ID:	480-92332-10	Worklist Smp#:	21
Client ID:	B13-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

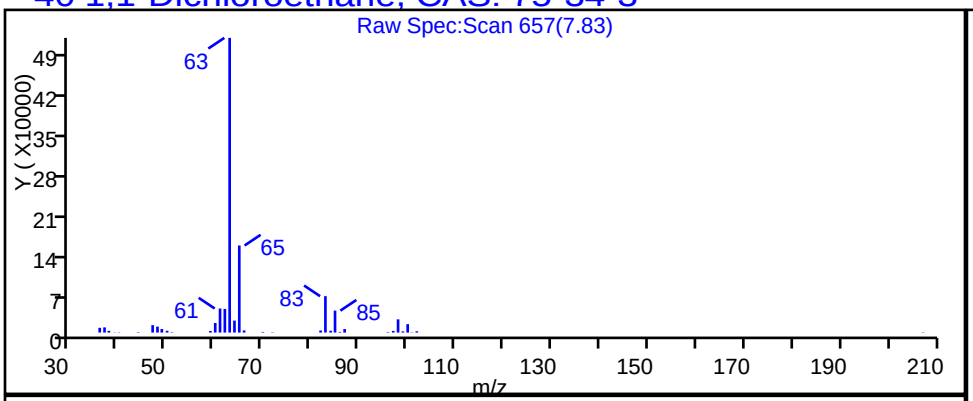


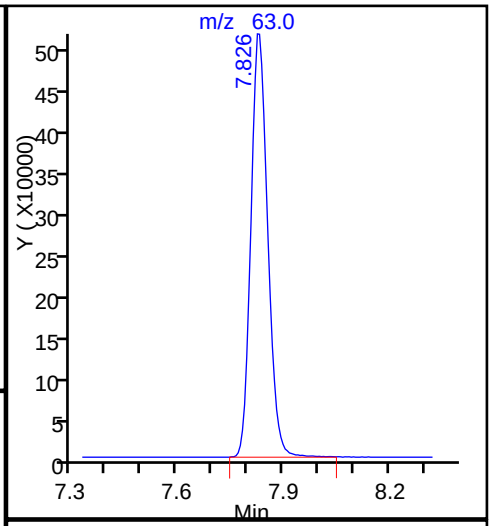
TestAmerica Buffalo

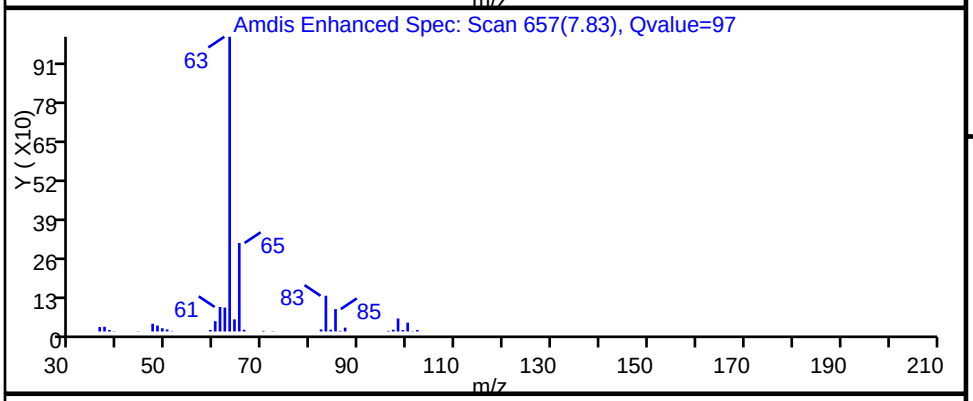
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D

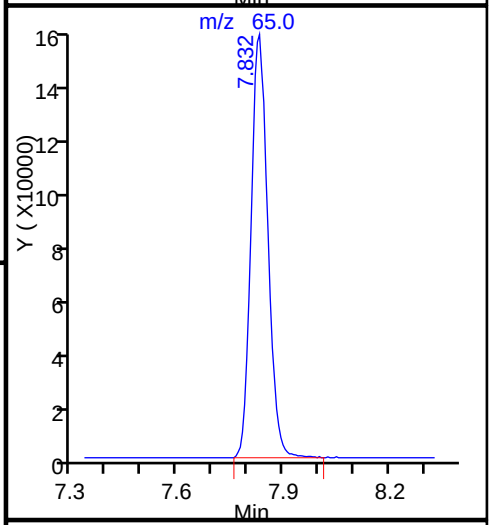
Injection Date:	15-Dec-2015 08:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-A	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	22	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

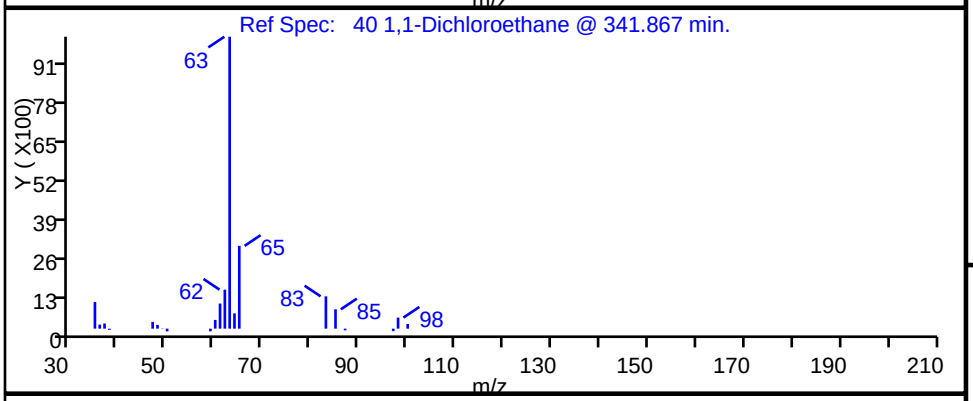
40 1,1-Dichloroethane, CAS: 75-34-3

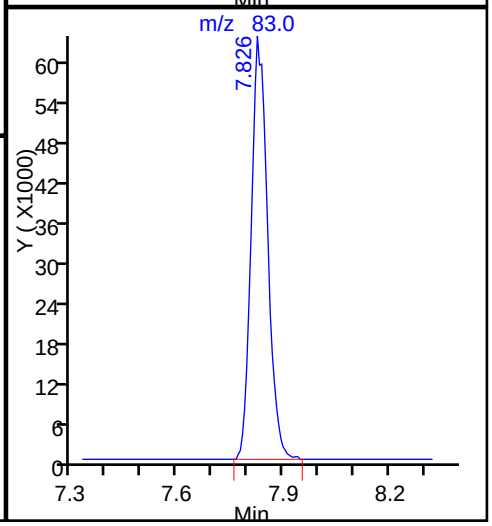


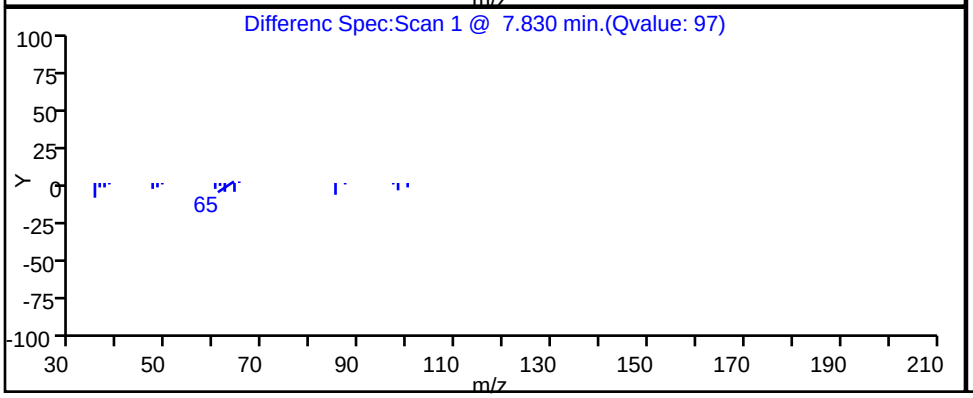










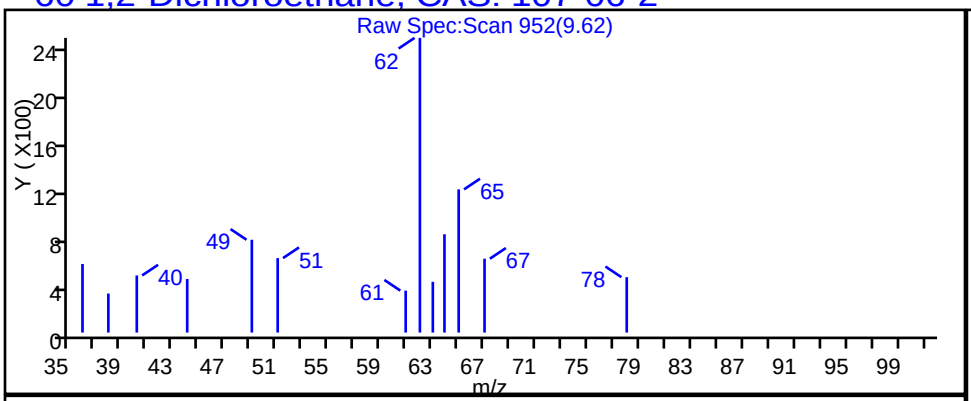


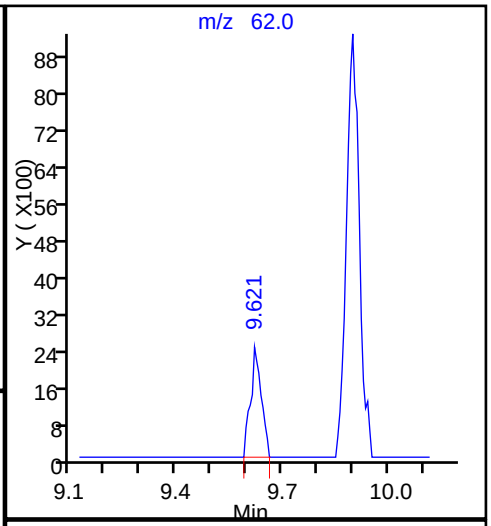
TestAmerica Buffalo

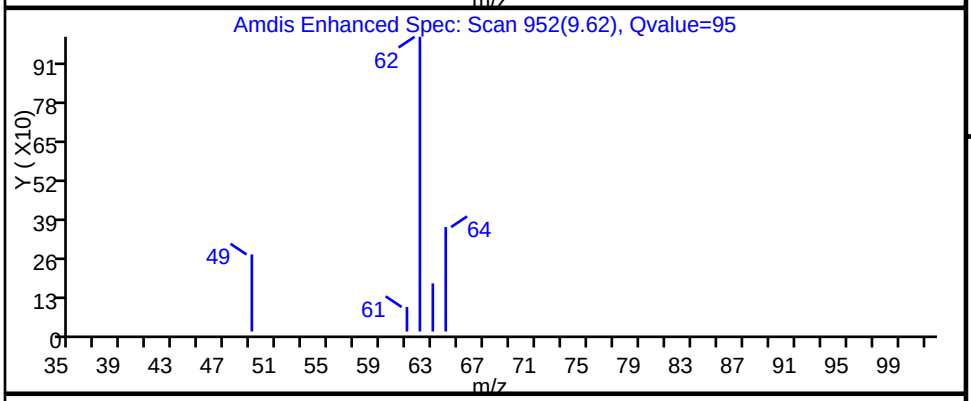
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D

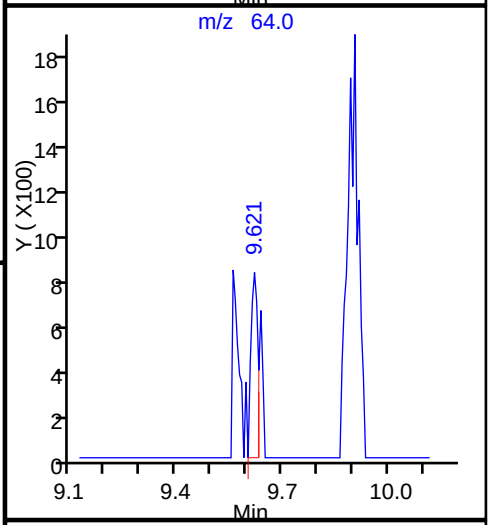
Injection Date:	15-Dec-2015 08:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-A	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	22	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

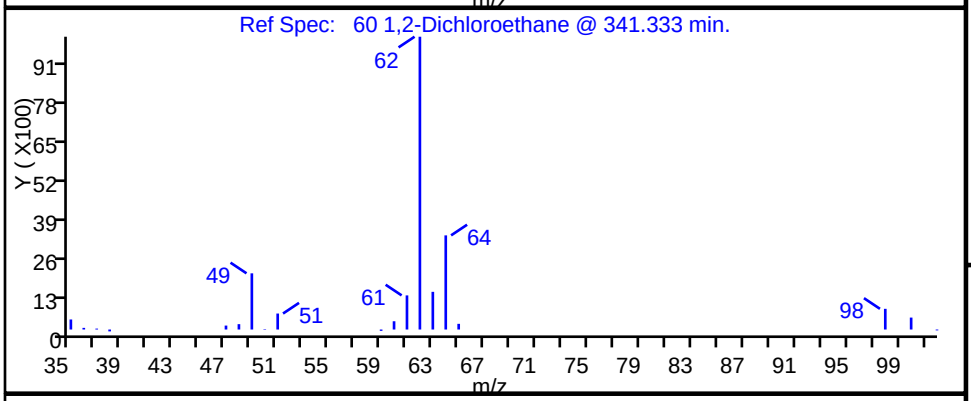
60 1,2-Dichloroethane, CAS: 107-06-2

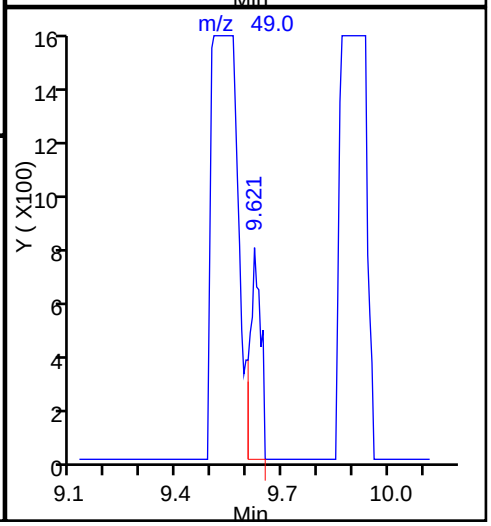


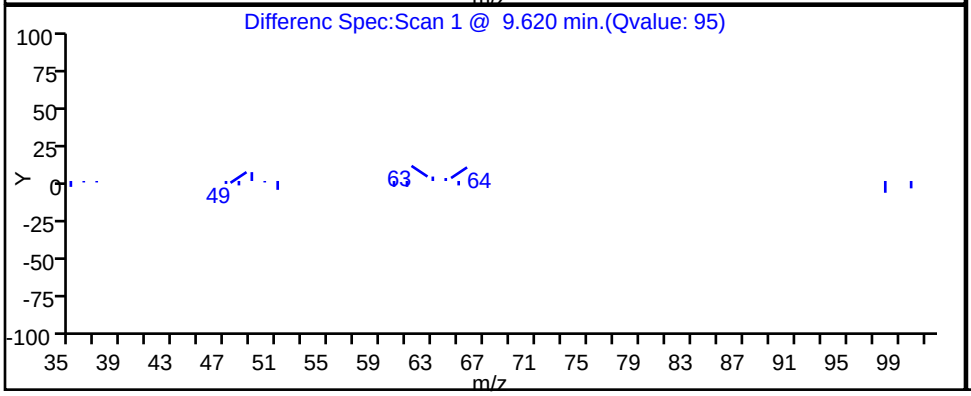










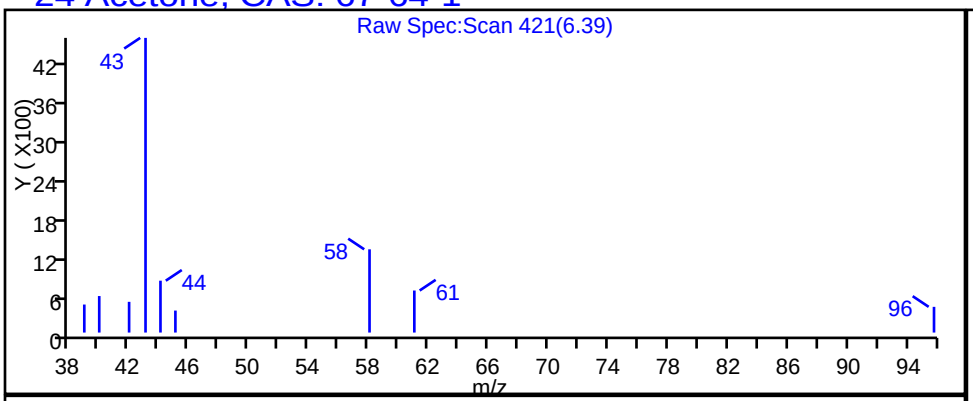


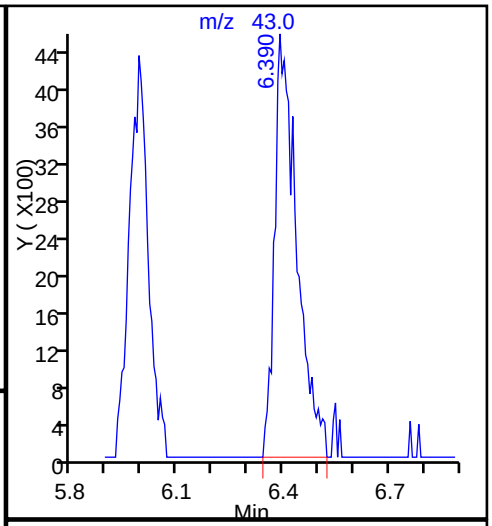
TestAmerica Buffalo

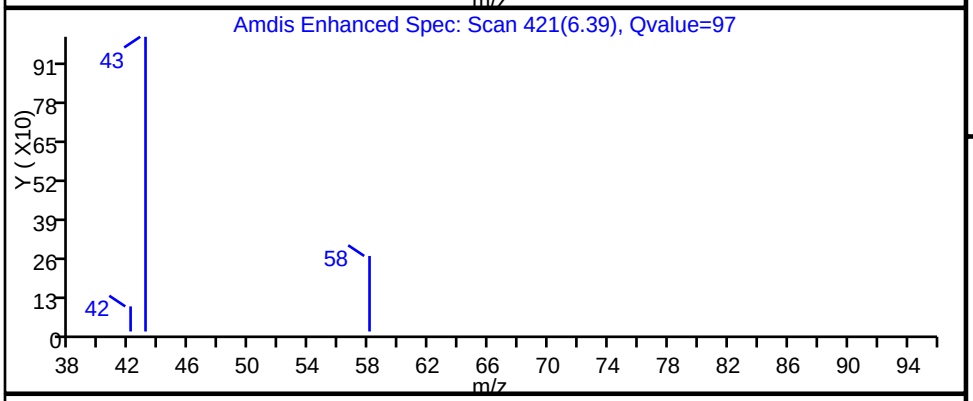
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D

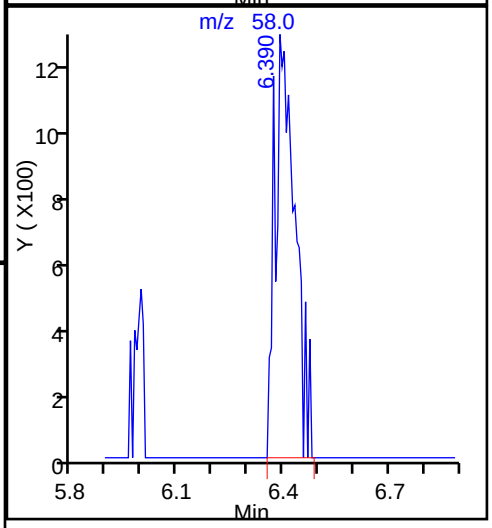
Injection Date:	15-Dec-2015 08:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-A	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	22	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

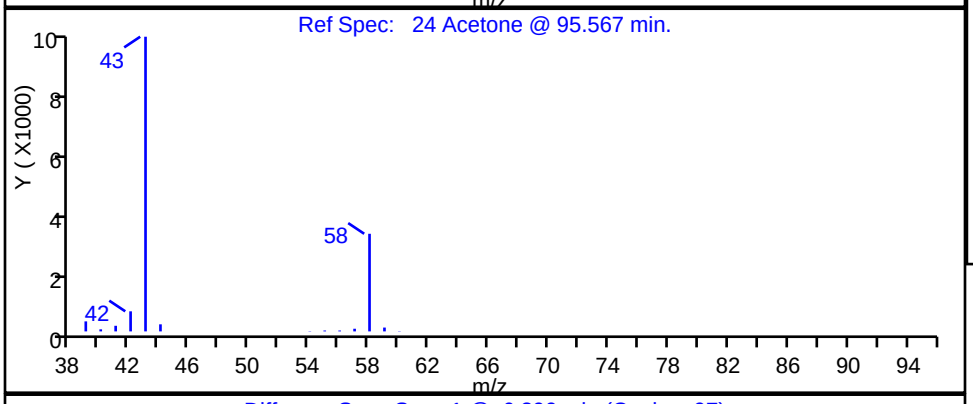
24 Acetone, CAS: 67-64-1

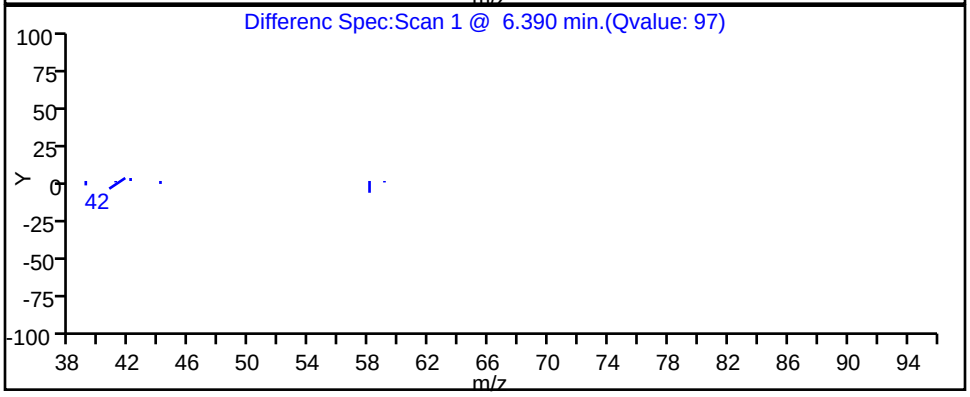








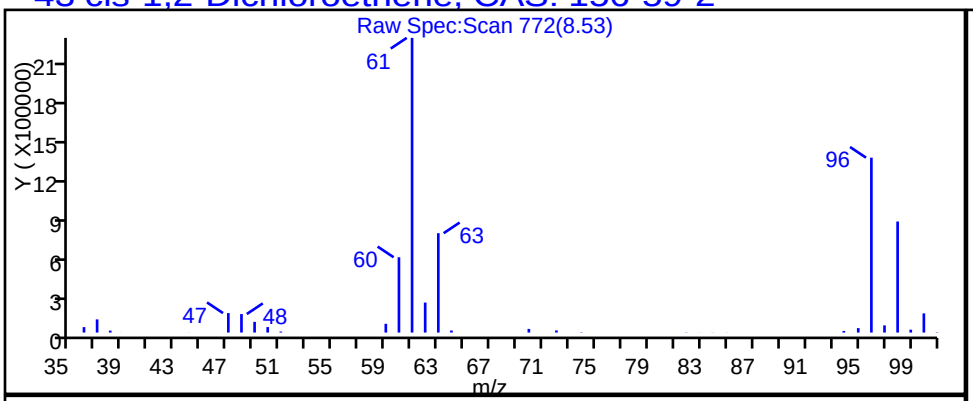


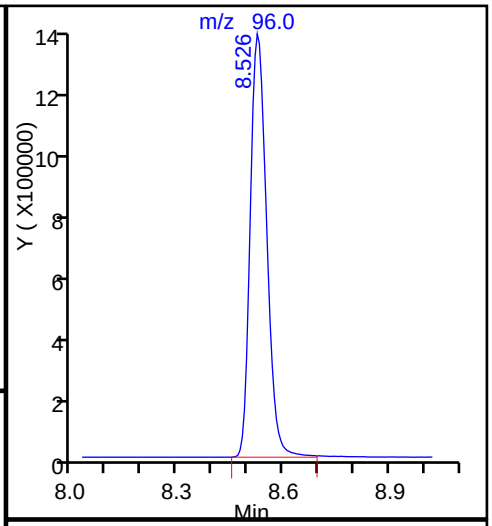


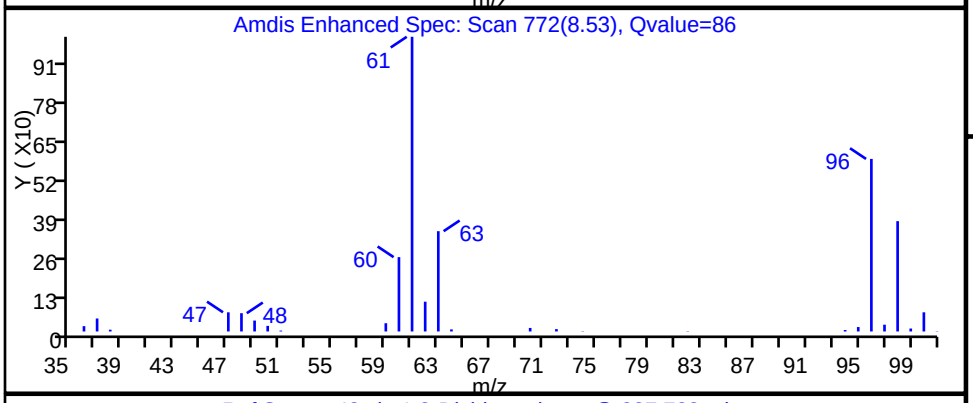
TestAmerica Buffalo

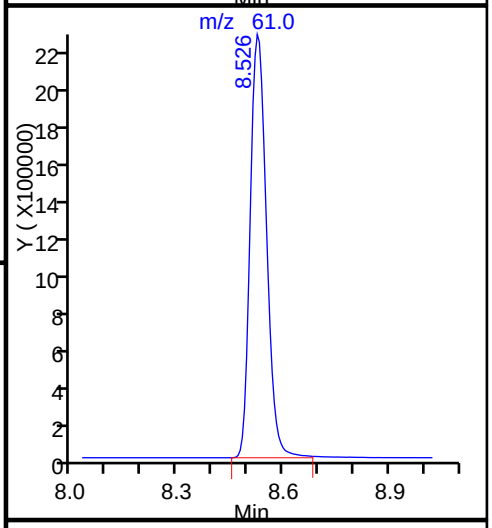
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D				
Injection Date:	15-Dec-2015 08:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-A	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	22	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

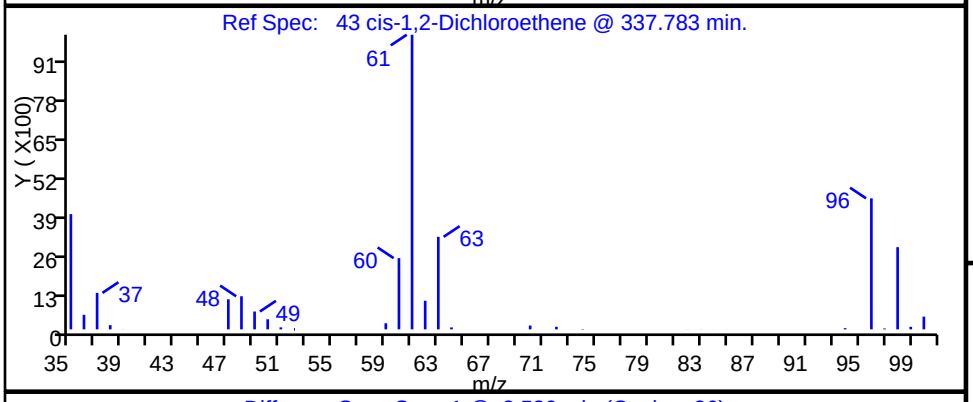
43 cis-1,2-Dichloroethene, CAS: 156-59-2

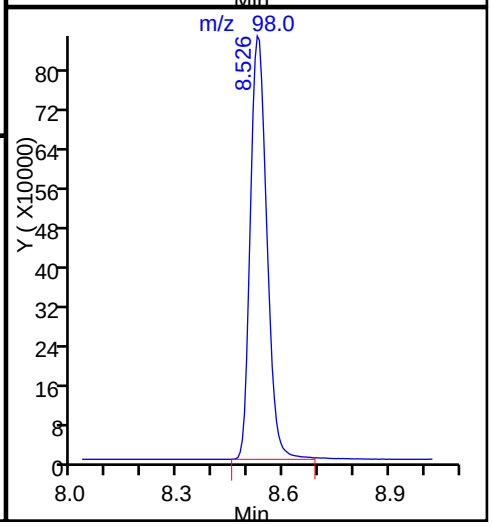


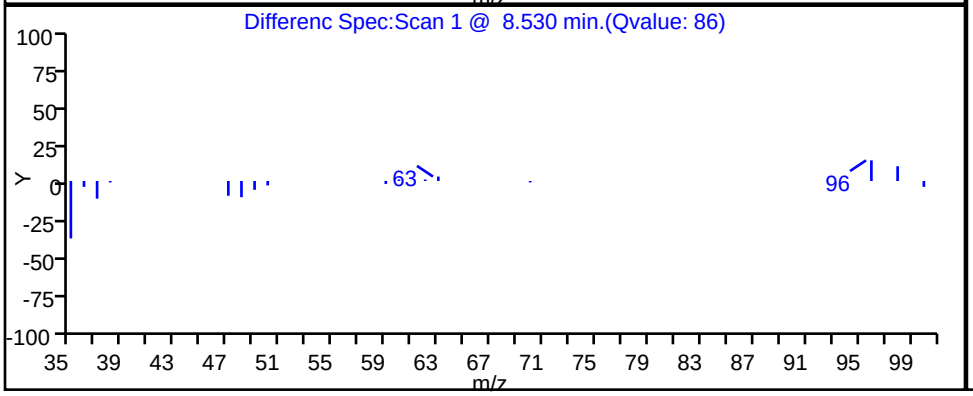












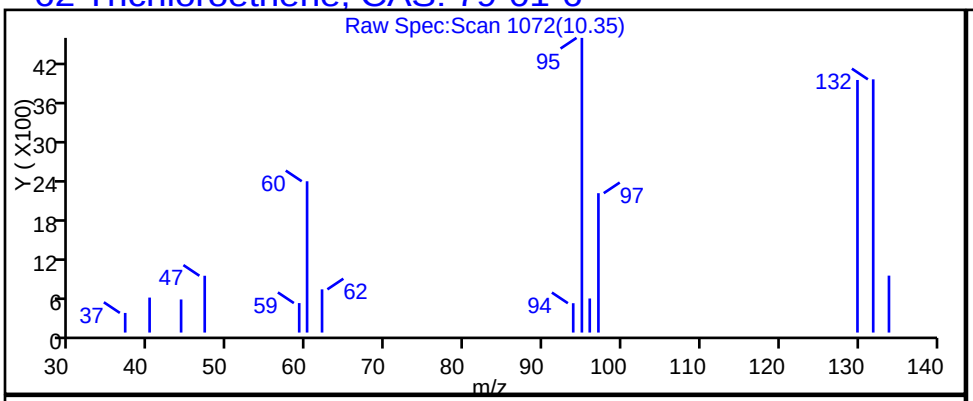
Report Date: 15-Dec-2015 15:04:01 Chrom Revision: 2.2 02-Dec-2015 11:51:48

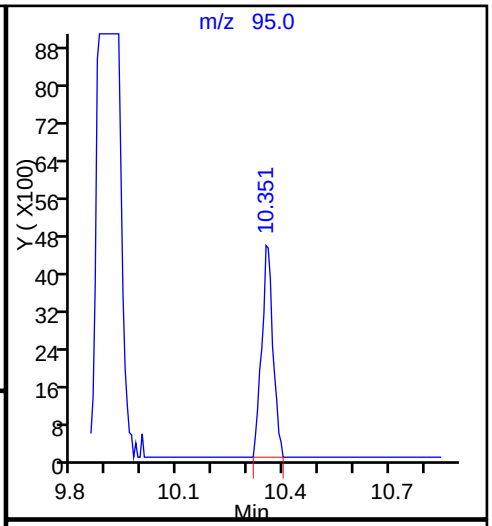
TestAmerica Buffalo

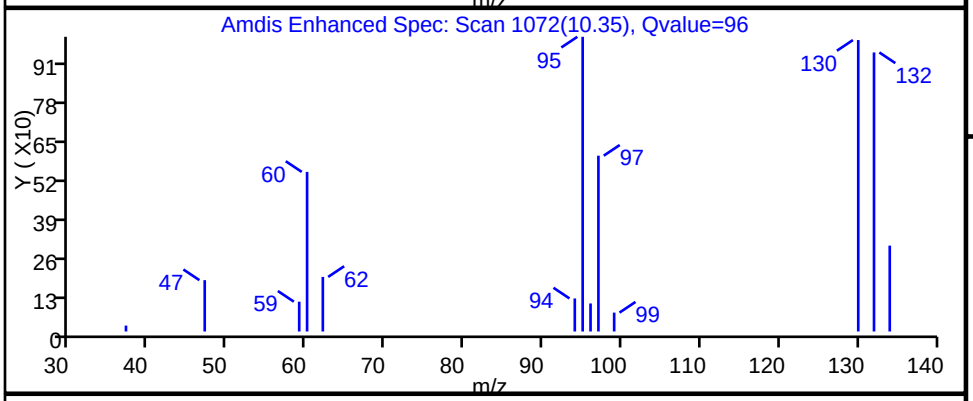
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D

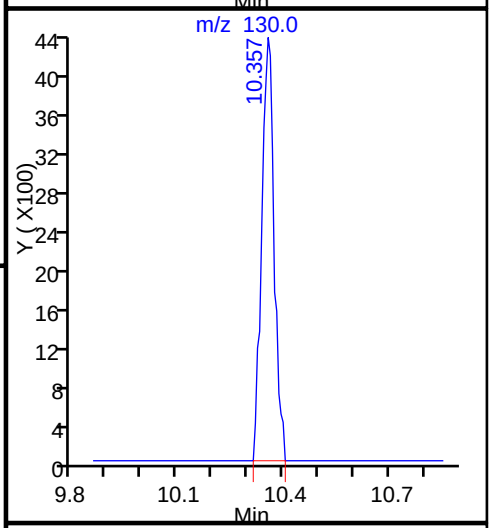
Injection Date:	15-Dec-2015 08:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-A	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	22	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

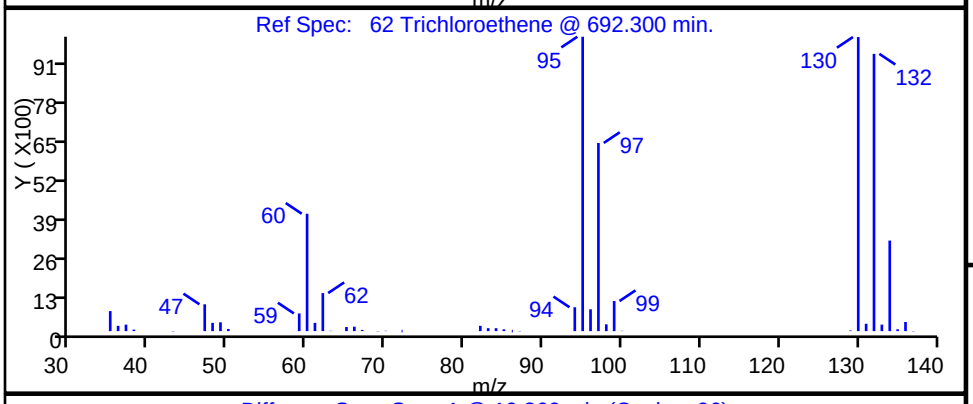
62 Trichloroethene, CAS: 79-01-6

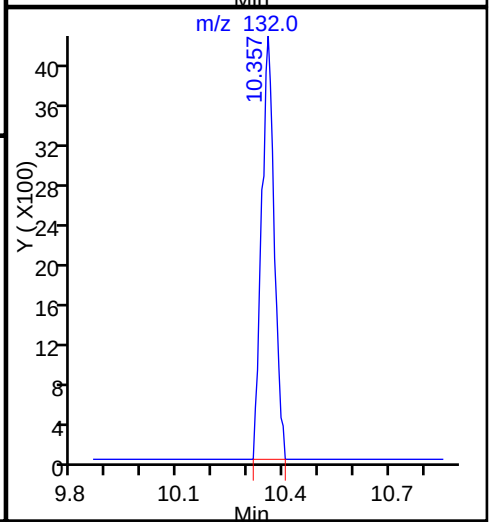


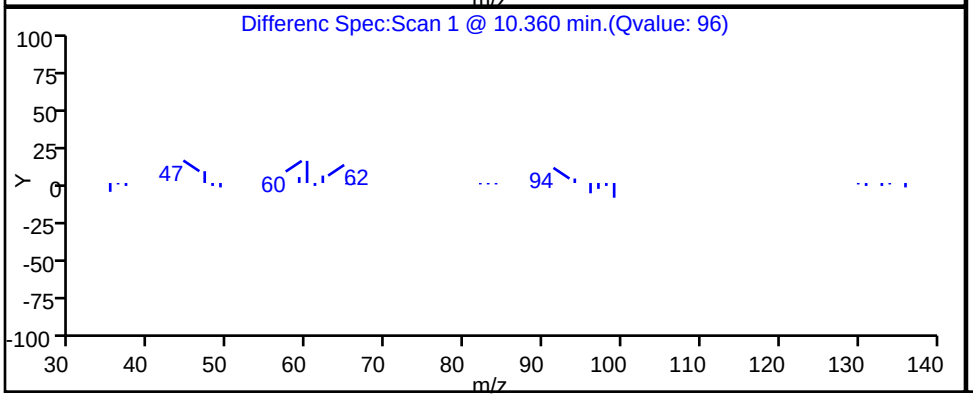












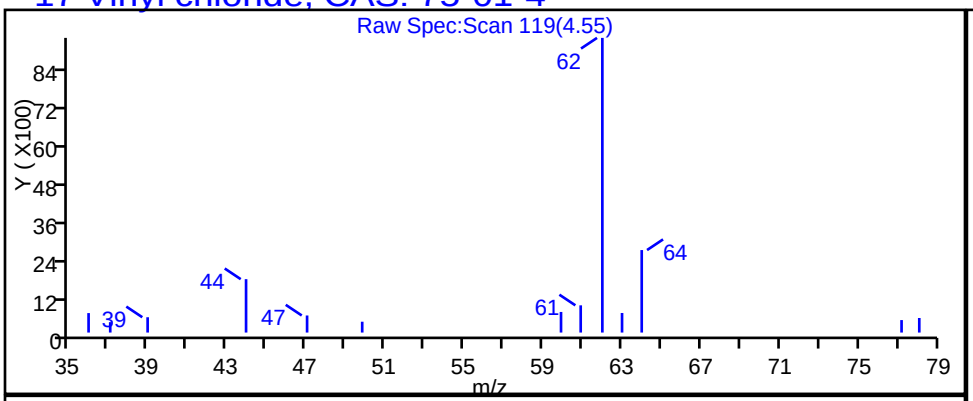
Report Date: 15-Dec-2015 15:04:01 Chrom Revision: 2.2 02-Dec-2015 11:51:48

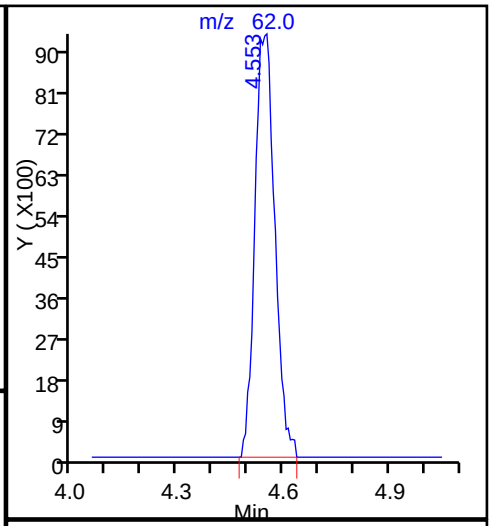
TestAmerica Buffalo

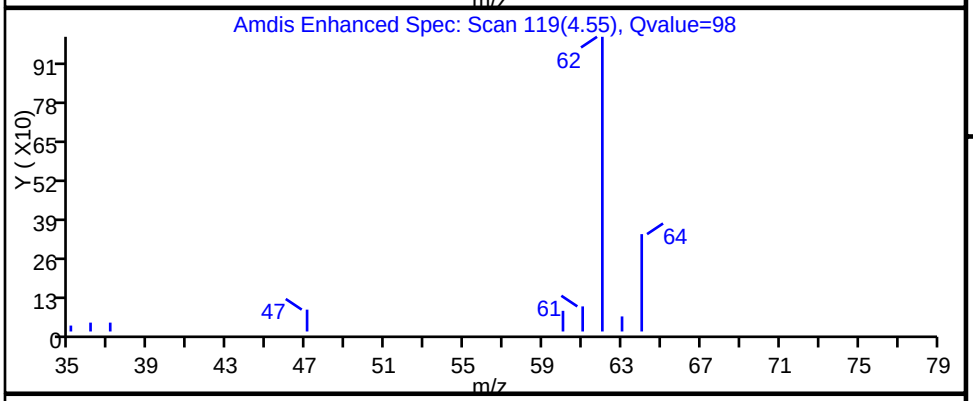
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2364.D

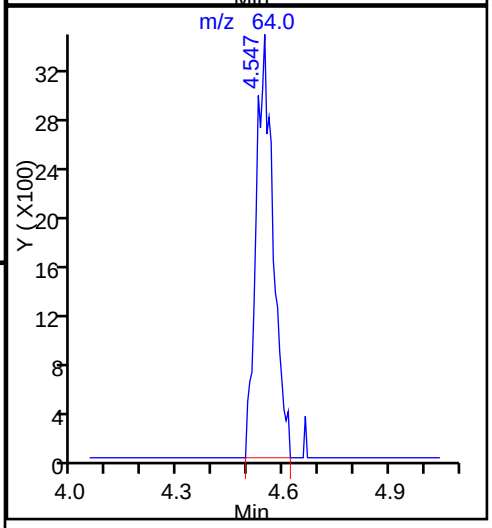
Injection Date:	15-Dec-2015 08:21:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-A	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	22	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

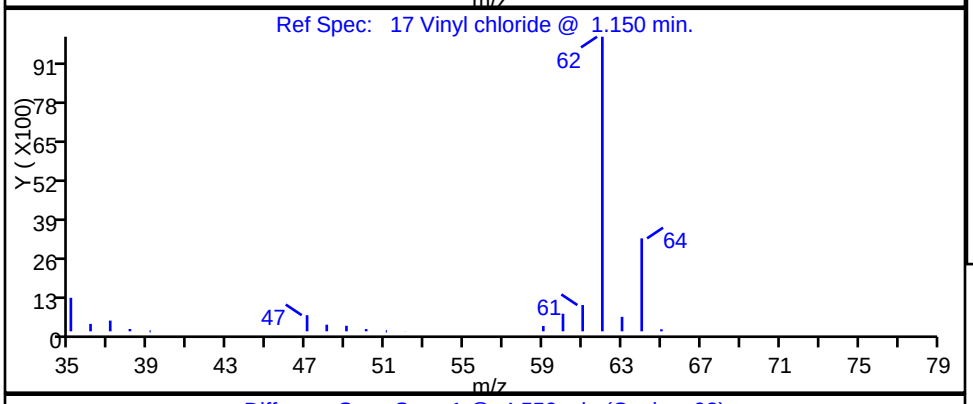
17 Vinyl chloride, CAS: 75-01-4

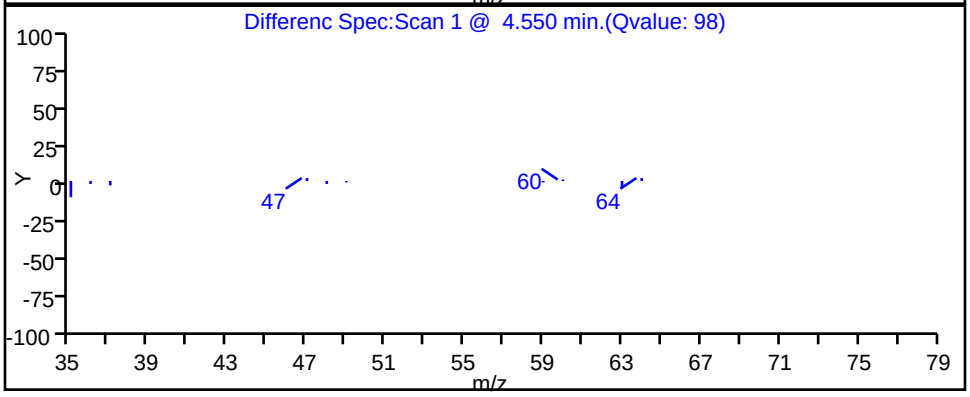












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S2 DL | Lab Sample ID: 480-92332-10 DL

Matrix: Solid | Lab File ID: P2384.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:55

Sample wt/vol: 0.55(g) | Date Analyzed: 12/15/2015 18:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		49	3.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		49	8.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49	11
79-00-5	1,1,2-Trichloroethane	ND		49	6.4
75-34-3	1,1-Dichloroethane	230		49	6.0
75-35-4	1,1-Dichloroethene	ND		49	6.0
120-82-1	1,2,4-Trichlorobenzene	ND		49	3.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		49	25
106-93-4	1,2-Dibromoethane	ND		49	6.3
95-50-1	1,2-Dichlorobenzene	ND		49	3.8
107-06-2	1,2-Dichloroethane	ND		49	2.5
78-87-5	1,2-Dichloropropane	ND		49	25
541-73-1	1,3-Dichlorobenzene	ND		49	2.5
106-46-7	1,4-Dichlorobenzene	ND		49	6.9
78-93-3	2-Butanone (MEK)	ND		250	18
591-78-6	2-Hexanone	ND		250	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	16
67-64-1	Acetone	ND		250	41
71-43-2	Benzene	ND		49	2.4
75-27-4	Bromodichloromethane	ND		49	6.6
75-25-2	Bromoform	ND		49	25
74-83-9	Bromomethane	ND		49	4.4
75-15-0	Carbon disulfide	ND		49	25
56-23-5	Carbon tetrachloride	ND		49	4.8
108-90-7	Chlorobenzene	ND		49	6.5
75-00-3	Chloroethane	ND		49	11
67-66-3	Chloroform	ND		49	3.0
74-87-3	Chloromethane	ND		49	3.0
156-59-2	cis-1,2-Dichloroethene	1800		49	6.3
10061-01-5	cis-1,3-Dichloropropene	ND		49	7.1
110-82-7	Cyclohexane	ND		49	6.9
124-48-1	Dibromochloromethane	ND		49	6.3
75-71-8	Dichlorodifluoromethane	ND		49	4.1
100-41-4	Ethylbenzene	ND		49	3.4
98-82-8	Isopropylbenzene	ND		49	7.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B13-AREA2-S2 DL | Lab Sample ID: 480-92332-10 DL

Matrix: Solid | Lab File ID: P2384.D

Analysis Method: 8260C | Date Collected: 12/07/2015 09:55

Sample wt/vol: 0.55(g) | Date Analyzed: 12/15/2015 18:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	*Methyl acetate*	*ND*		*49*	*30*
1634-04-4	*Methyl tert-butyl ether*	*ND*		*49*	*4.8*
108-87-2	*Methylcyclohexane*	*ND*		*49*	*7.5*
75-09-2	*Methylene Chloride*	*ND*		*49*	*23*
100-42-5	*Styrene*	*ND*		*49*	*2.5*
127-18-4	*Tetrachloroethene*	*ND*		*49*	*6.6*
108-88-3	*Toluene*	*ND*		*49*	*3.7*
156-60-5	*trans-1,2-Dichloroethene*	*ND*		*49*	*5.1*
10061-02-6	*trans-1,3-Dichloropropene*	*ND*		*49*	*22*
79-01-6	*Trichloroethene*	*ND*		*49*	*11*
75-69-4	*Trichlorofluoromethane*	*ND*		*49*	*4.6*
75-01-4	*Vinyl chloride*	*ND*		*49*	*6.0*
1330-20-7	*Xylenes, Total*	*ND*		*98*	*8.3*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	86		72-126
2037-26-5	Toluene-d8 (Surr)	102		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2384.D
Lims ID: 480-92332-A-10-B Lab Sample ID: 480-92332-10
Client ID: B13-AREA2-S2
Sample Type: Client
Inject. Date: 15-Dec-2015 18:58:30 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-10-B
Misc. Info.: 480-0049245-014
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 09:06:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: diasn Date: 15-Dec-2015 19:52:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	354472	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	89	680697	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	538890	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	281325	51.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	1516834	50.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	445523	43.0	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.390	0.012	73	6788	1.67	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.773				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	511792	23.1	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	85	1971957	182.2	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.351	10.350	0.001	88	7480	0.7067	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.711	12.711	0.000	84	2355	0.2537	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

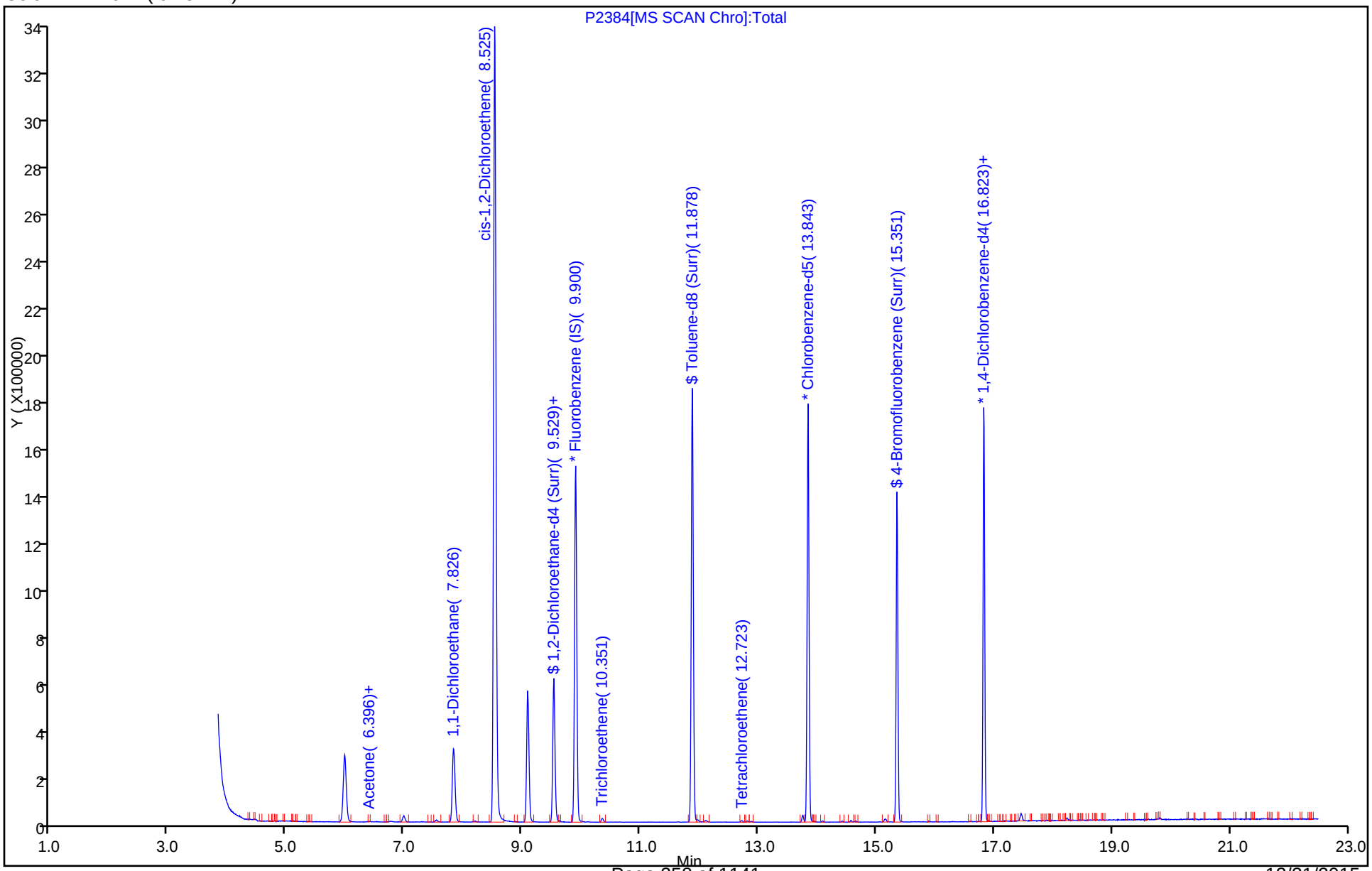
Report Date: 16-Dec-2015 09:09:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2384.D

Injection Date:	15-Dec-2015 18:58:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-10-B	Lab Sample ID:	480-92332-10	Worklist Smp#:	14
Client ID:	B13-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



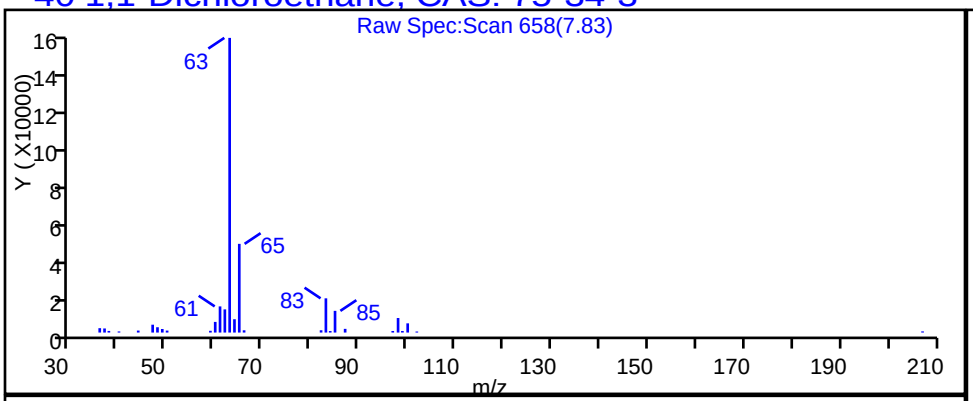
Report Date: 16-Dec-2015 09:09:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

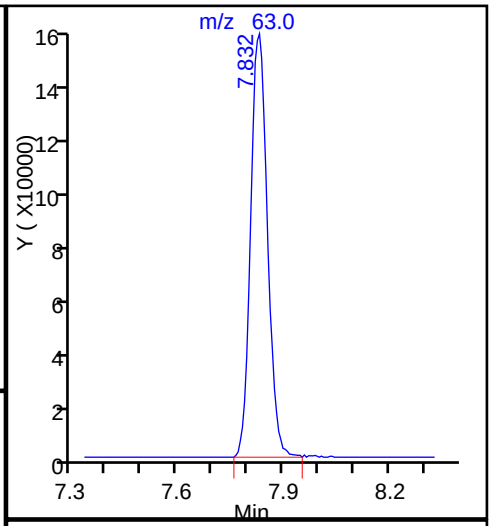
TestAmerica Buffalo

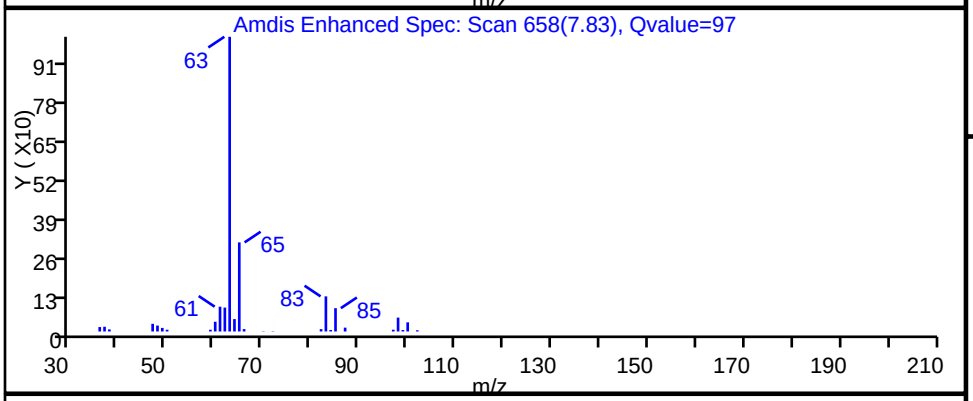
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2384.D

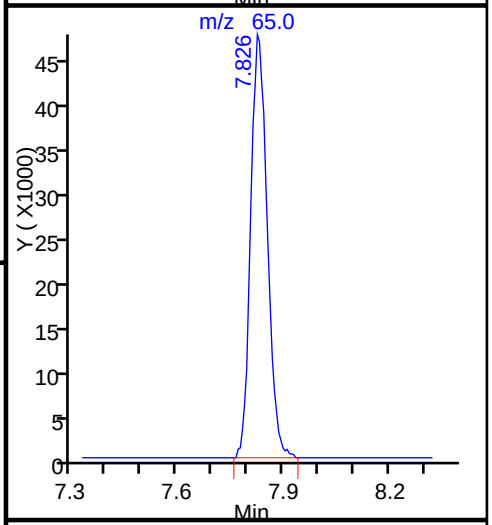
Injection Date:	15-Dec-2015 18:58:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-B	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

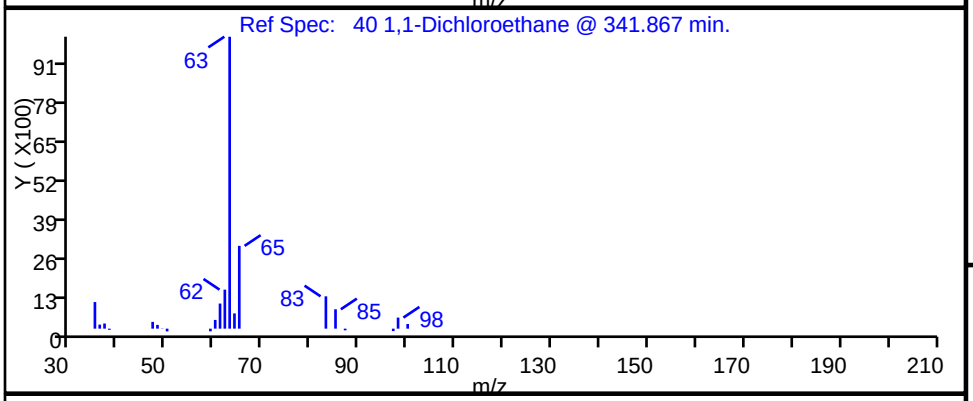
40 1,1-Dichloroethane, CAS: 75-34-3

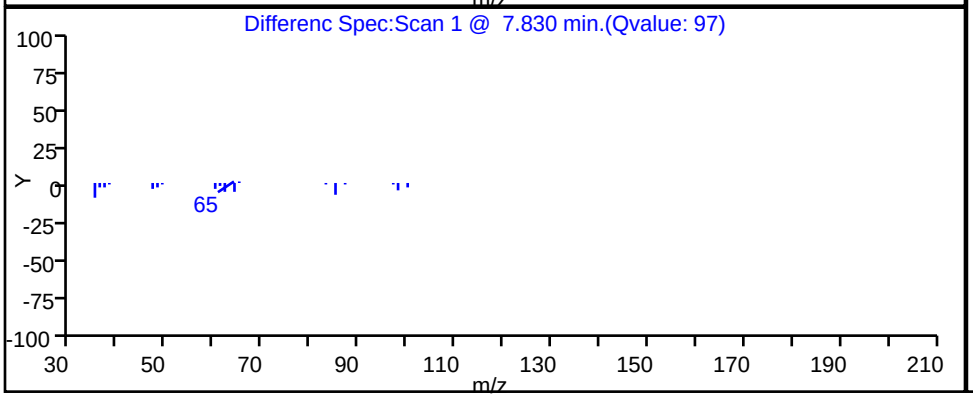


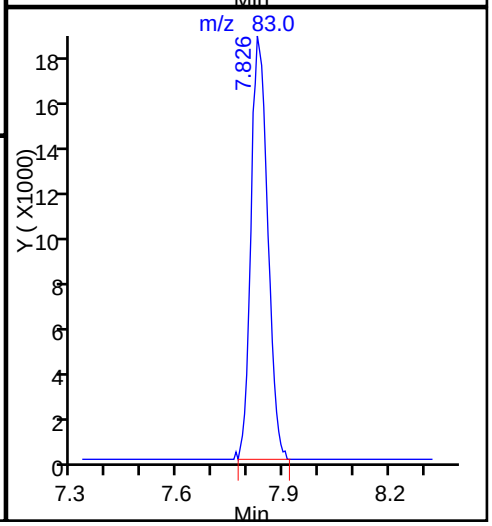












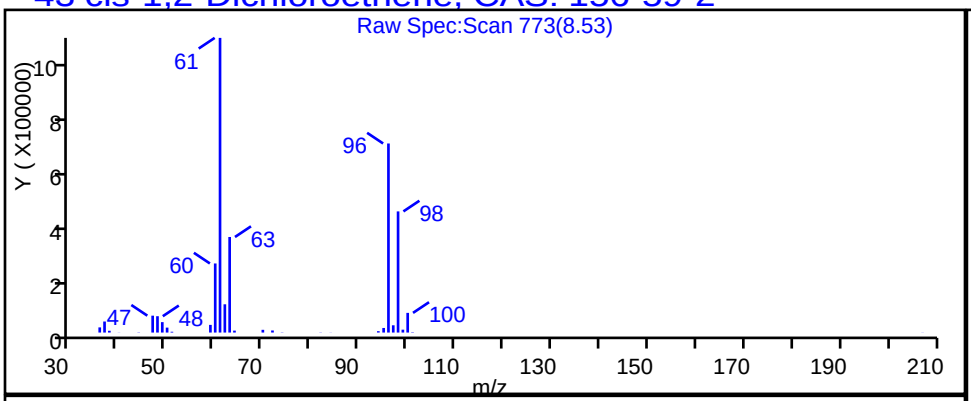
Report Date: 16-Dec-2015 09:09:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

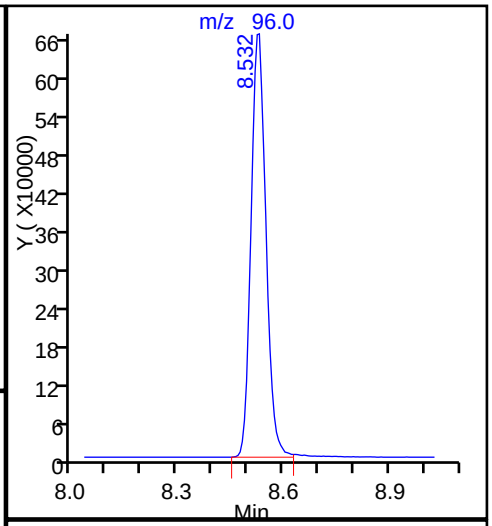
TestAmerica Buffalo

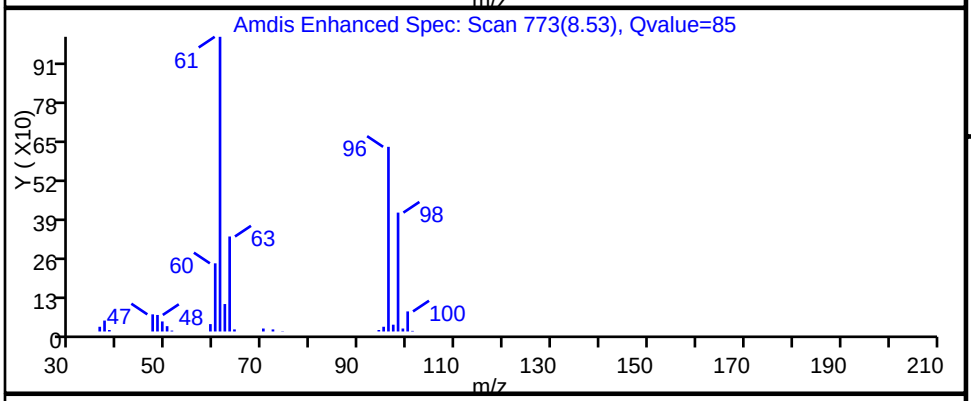
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2384.D

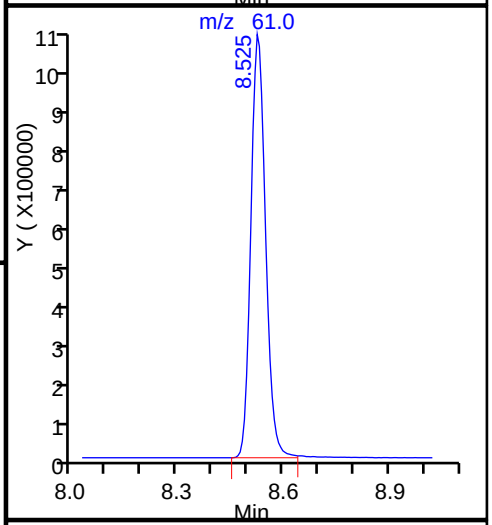
Injection Date:	15-Dec-2015 18:58:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-10-B	Lab Sample ID:	480-92332-10		
Client ID:	B13-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

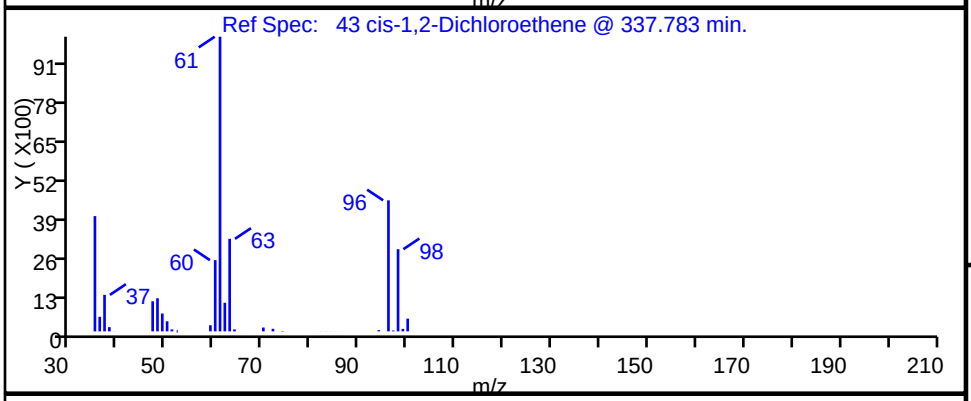
43 cis-1,2-Dichloroethene, CAS: 156-59-2

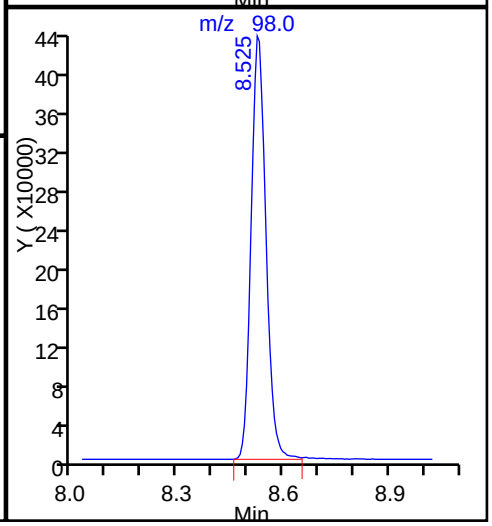


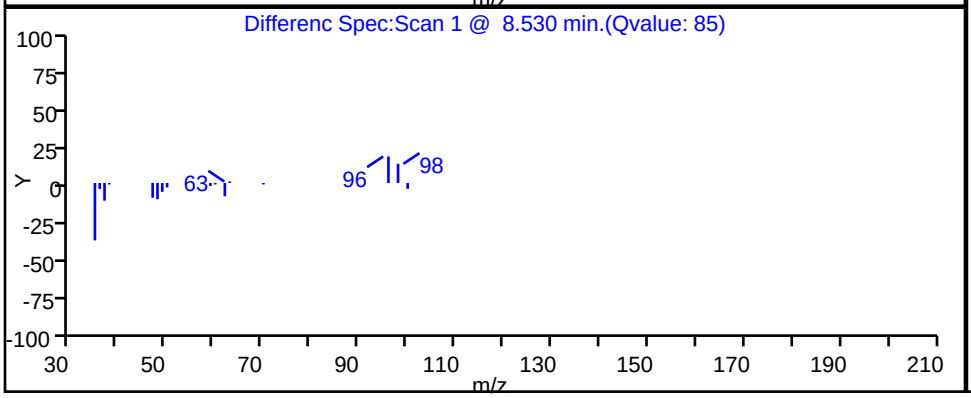












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B-AREA2-DUP2 | Lab Sample ID: 480-92332-11

Matrix: Solid | Lab File ID: P2365.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:00

Sample wt/vol: 5.54(g) | Date Analyzed: 12/15/2015 08:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.7 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.8	0.78
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.8	0.62
75-34-3	1,1-Dichloroethane	290	E	4.8	0.58
75-35-4	1,1-Dichloroethene	1.5	J	4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	ND		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.8	2.4
106-93-4	1,2-Dibromoethane	ND		4.8	0.61
95-50-1	1,2-Dichlorobenzene	ND		4.8	0.37
107-06-2	1,2-Dichloroethane	0.69	J	4.8	0.24
78-87-5	1,2-Dichloropropane	ND		4.8	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.8	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.8	0.67
78-93-3	2-Butanone (MEK)	ND		24	1.8
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	6.7	J B	24	4.0
71-43-2	Benzene	ND		4.8	0.23
75-27-4	Bromodichloromethane	ND		4.8	0.64
75-25-2	Bromoform	ND		4.8	2.4
74-83-9	Bromomethane	ND		4.8	0.43
75-15-0	Carbon disulfide	2.9	J	4.8	2.4
56-23-5	Carbon tetrachloride	ND		4.8	0.46
108-90-7	Chlorobenzene	ND		4.8	0.63
75-00-3	Chloroethane	ND		4.8	1.1
67-66-3	Chloroform	ND		4.8	0.30
74-87-3	Chloromethane	ND		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	1000	E	4.8	0.61
10061-01-5	cis-1,3-Dichloropropene	ND		4.8	0.69
110-82-7	Cyclohexane	ND		4.8	0.67
124-48-1	Dibromochloromethane	ND		4.8	0.61
75-71-8	Dichlorodifluoromethane	ND		4.8	0.40
100-41-4	Ethylbenzene	ND		4.8	0.33
98-82-8	Isopropylbenzene	ND		4.8	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B-AREA2-DUP2 | Lab Sample ID: 480-92332-11

Matrix: Solid | Lab File ID: P2365.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:00

Sample wt/vol: 5.54(g) | Date Analyzed: 12/15/2015 08:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.7 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.8	2.9
1634-04-4	Methyl tert-butyl ether	ND		4.8	0.47
108-87-2	Methylcyclohexane	ND		4.8	0.73
75-09-2	Methylene Chloride	ND		4.8	2.2
100-42-5	Styrene	ND		4.8	0.24
127-18-4	Tetrachloroethene	ND		4.8	0.64
108-88-3	Toluene	ND		4.8	0.36
156-60-5	trans-1,2-Dichloroethene	0.71	J	4.8	0.49
10061-02-6	trans-1,3-Dichloropropene	ND		4.8	2.1
79-01-6	Trichloroethene	4.2	J	4.8	1.1
75-69-4	Trichlorofluoromethane	ND		4.8	0.45
75-01-4	Vinyl chloride	16		4.8	0.58
1330-20-7	Xylenes, Total	ND		9.6	0.80

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	82		72-126
2037-26-5	Toluene-d8 (Surr)	109		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D
Lims ID: 480-92332-A-11-A Lab Sample ID: 480-92332-11
Client ID: B-AREA2-DUP2
Sample Type: Client
Inject. Date: 15-Dec-2015 08:48:30 ALS Bottle#: 23 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-11-A
Misc. Info.: 480-0049221-022
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 15:08:29 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 15:05:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	278895	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	471725	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.830	-0.001	97	349820	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.535	0.000	0	223998	52.0	
$ 5 Toluene-d8 (Surr)	98	11.883	11.884	-0.001	94	1125004	54.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	87	294133	40.9	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62	4.565	4.571	-0.006	98	107313	17.1	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96	6.365	6.378	-0.013	93	14260	1.53	
24 Acetone	43	6.414	6.396	0.018	93	22373	7.00	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.767	6.773	-0.006	99	86094	2.99	M
31 Methylene Chloride	84	6.992	6.986	0.006	95	21931	0.2201	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.308	7.303	0.005	91	5793	0.7377	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	5269268	302.0	E
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.526	-0.001	79	9273537	1089.1	E
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62	9.620	9.621	-0.001	95	10020	0.7216	
62 Trichloroethene	95	10.356	10.351	0.005	92	36494	4.38	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43	11.646	11.634	0.012	94	3676	0.4704	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.717				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

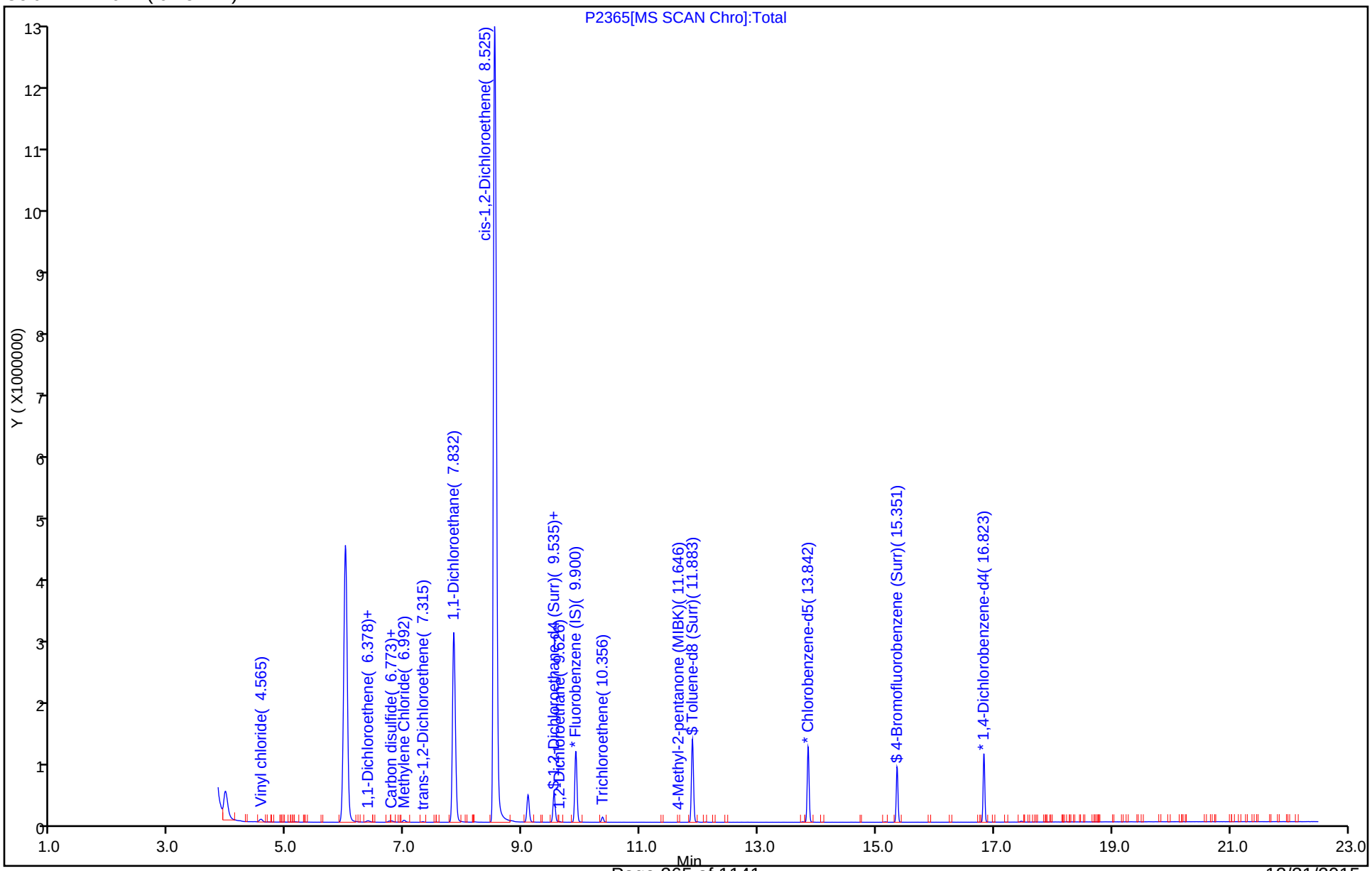
Report Date: 15-Dec-2015 16:17:53 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11	Worklist Smp#:	22
Client ID:	B-AREA2-DUP2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



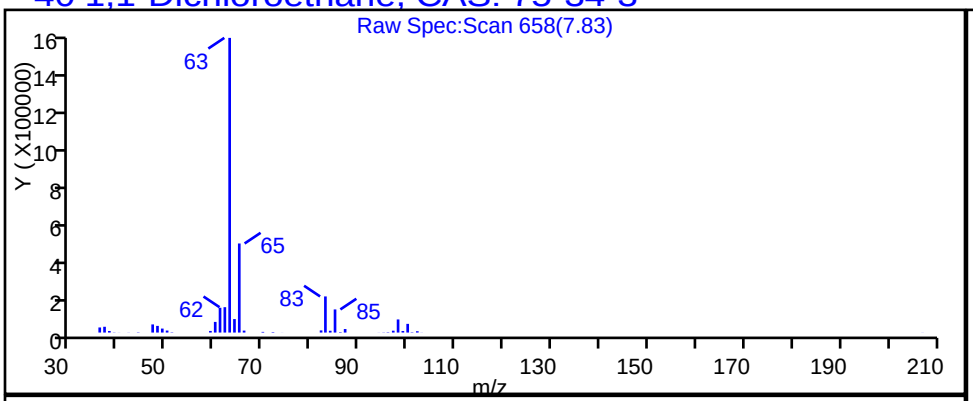
Report Date: 15-Dec-2015 16:17:53 Chrom Revision: 2.2 02-Dec-2015 11:51:48

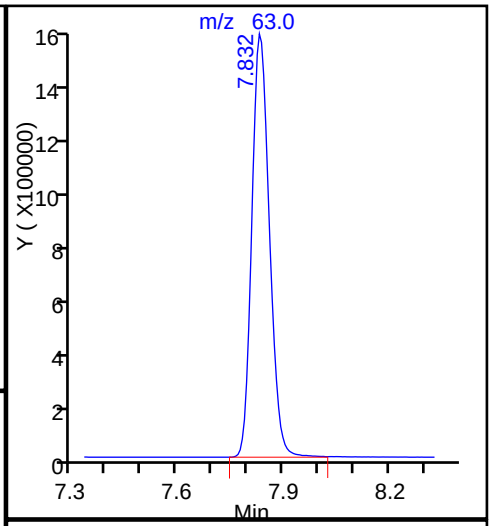
TestAmerica Buffalo

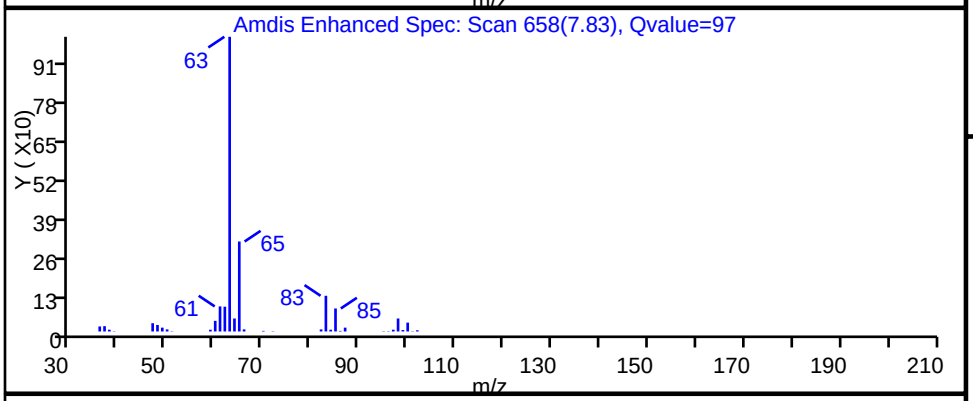
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

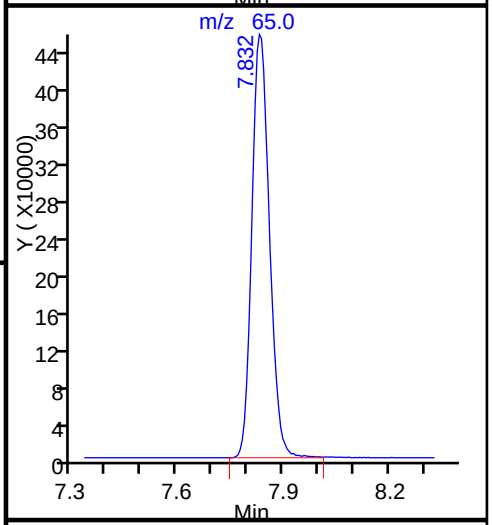
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

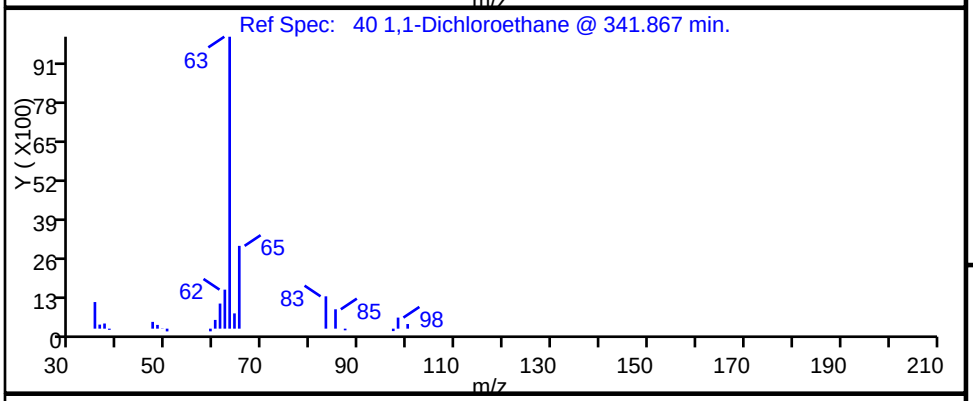
40 1,1-Dichloroethane, CAS: 75-34-3

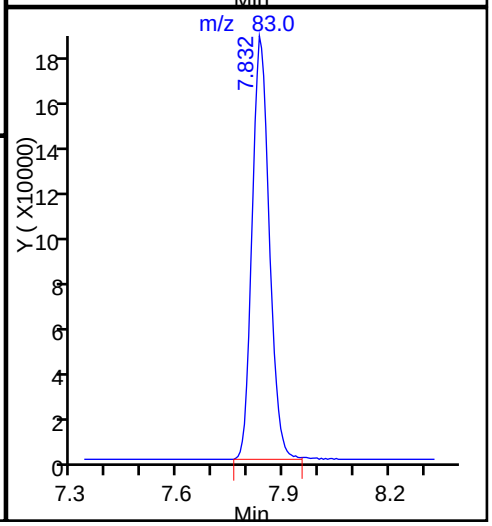


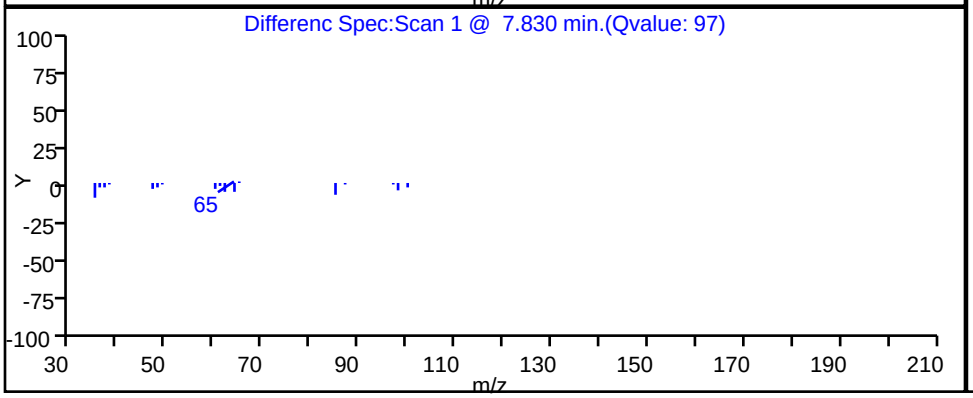










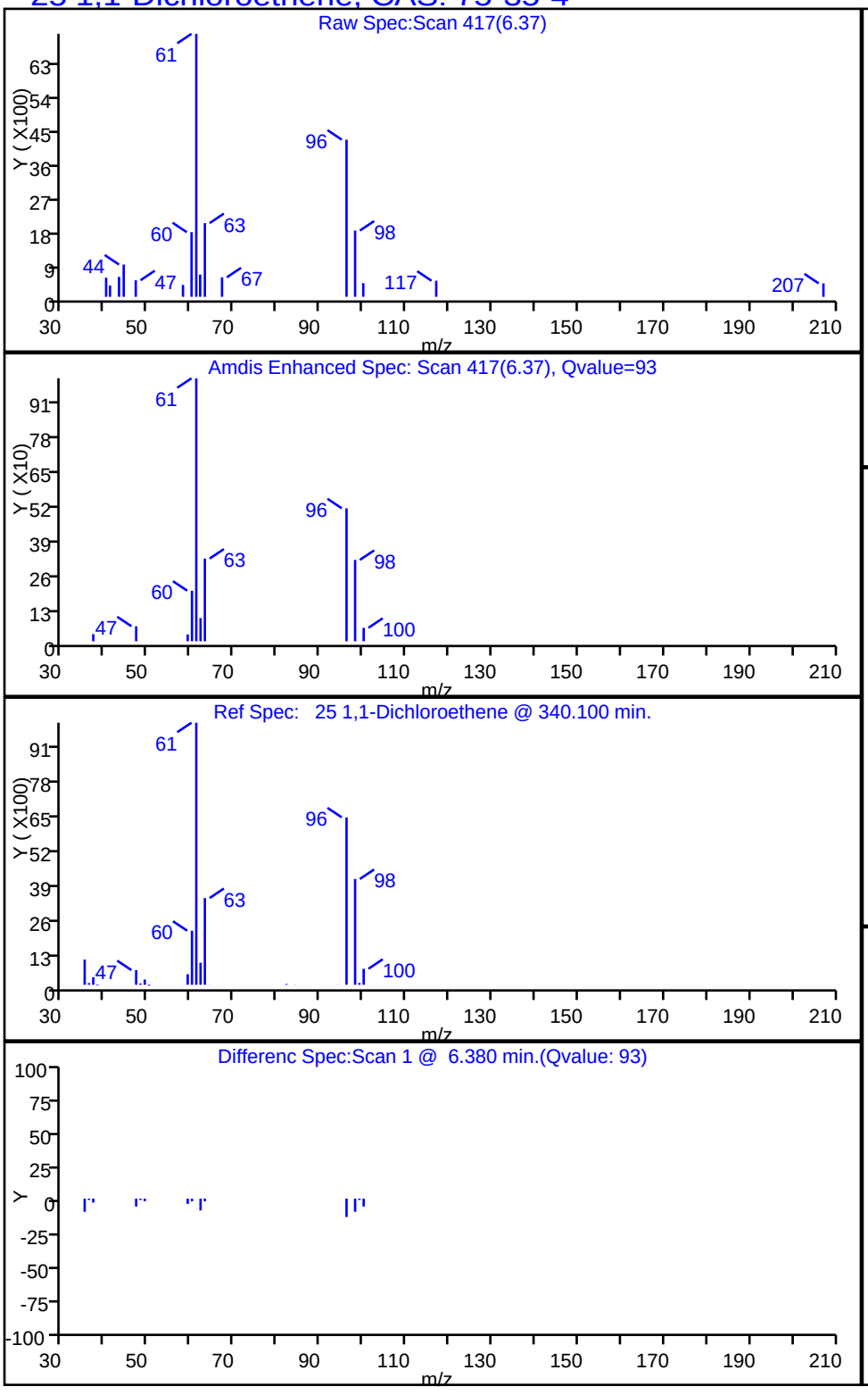


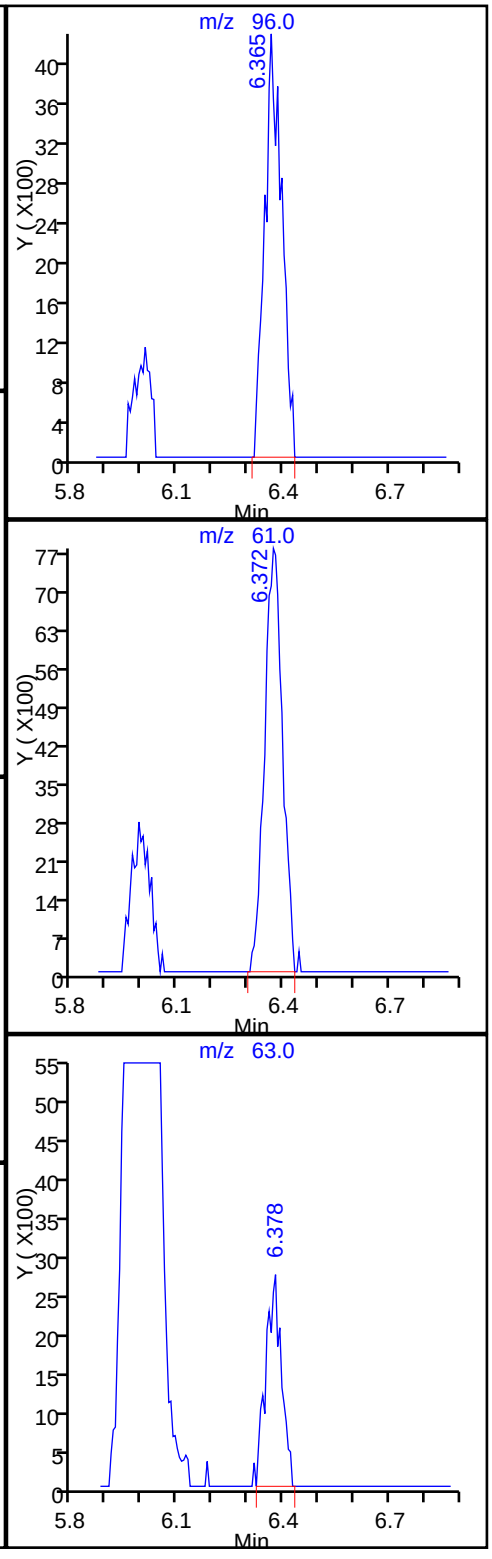
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

25 1,1-Dichloroethene, CAS: 75-35-4

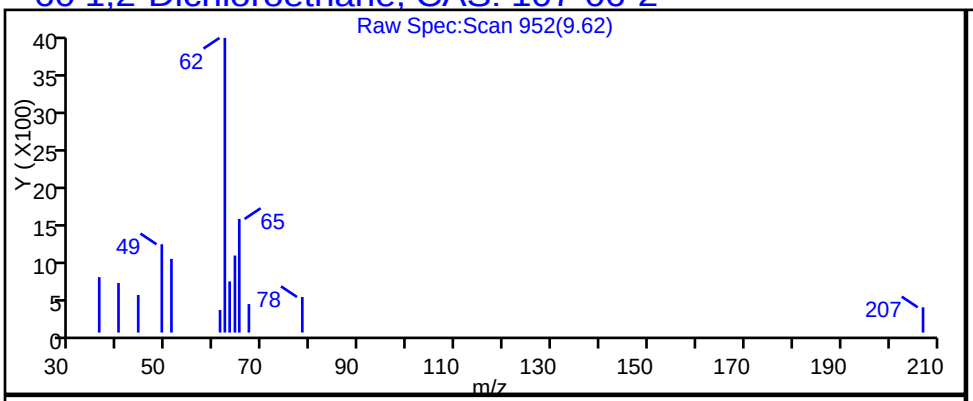


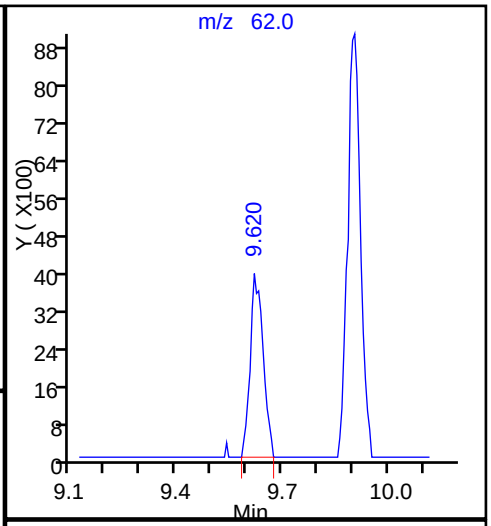


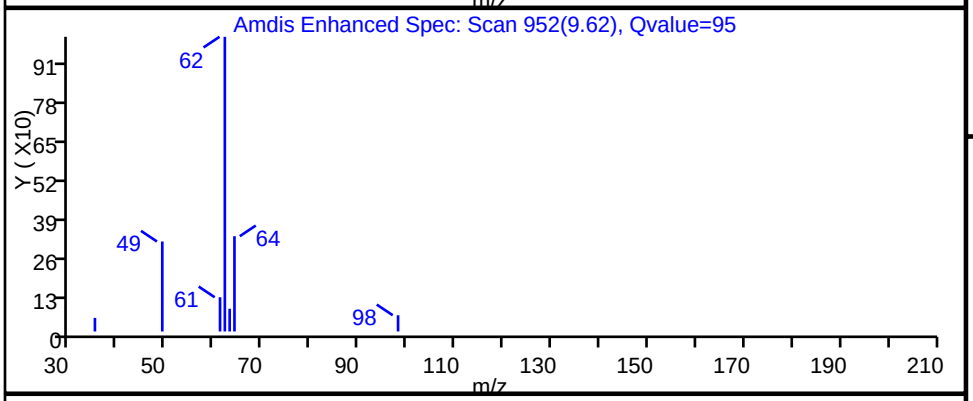
TestAmerica Buffalo

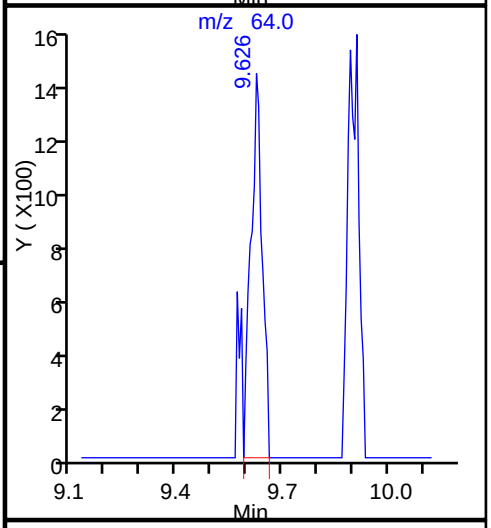
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D				
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

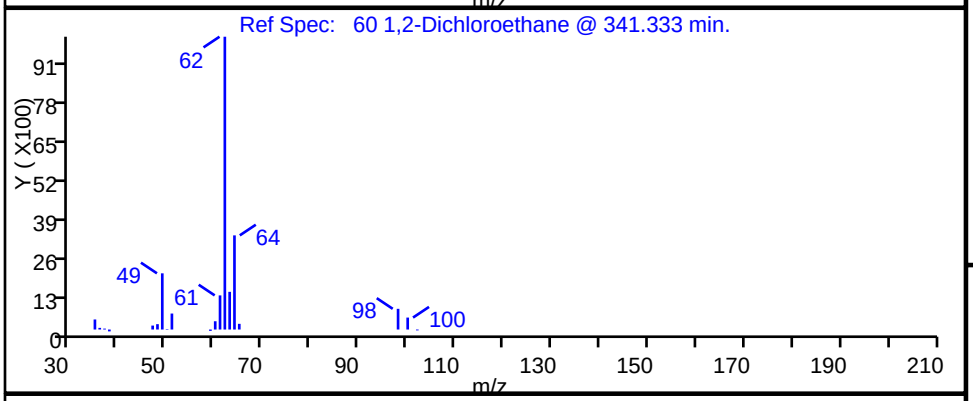
60 1,2-Dichloroethane, CAS: 107-06-2

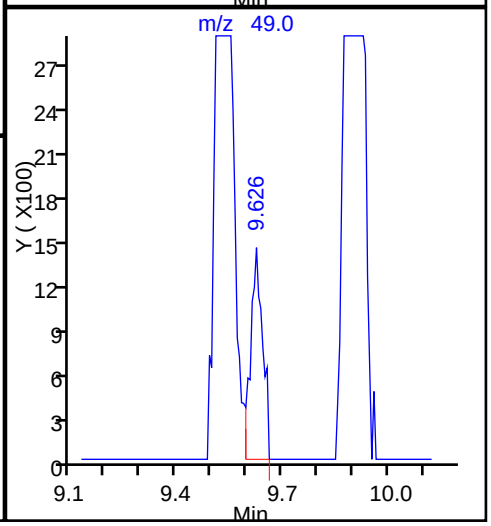


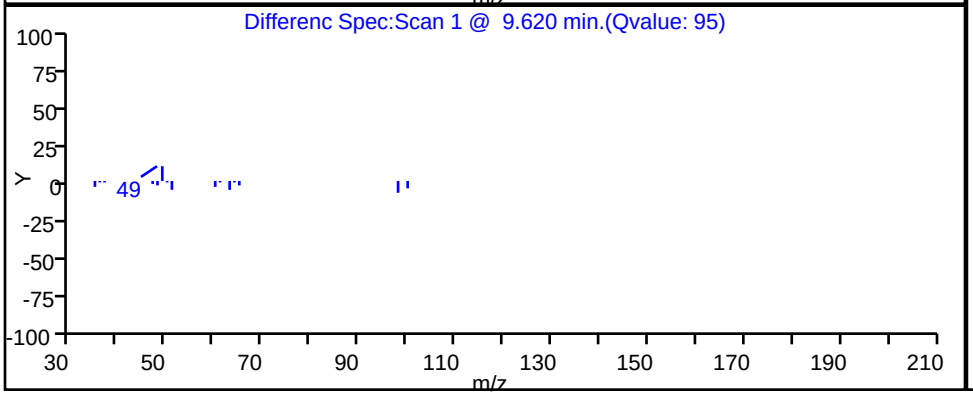












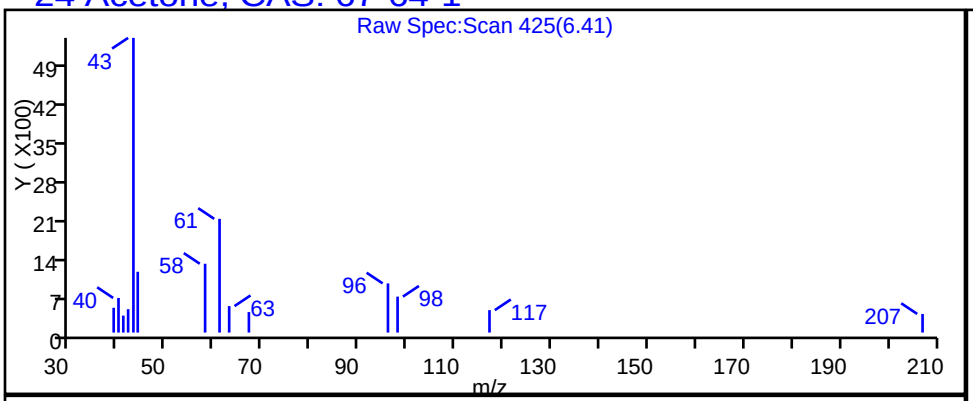
Report Date: 15-Dec-2015 16:17:53 Chrom Revision: 2.2 02-Dec-2015 11:51:48

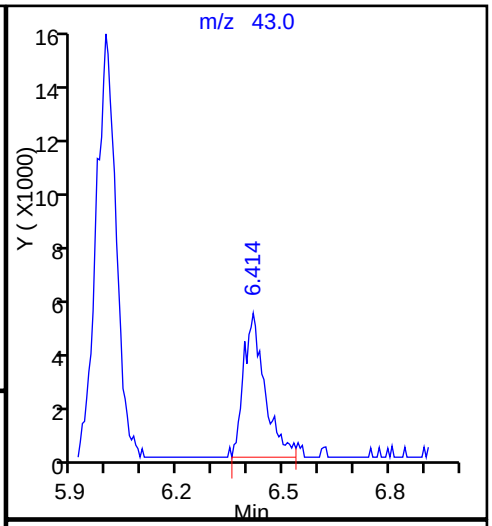
TestAmerica Buffalo

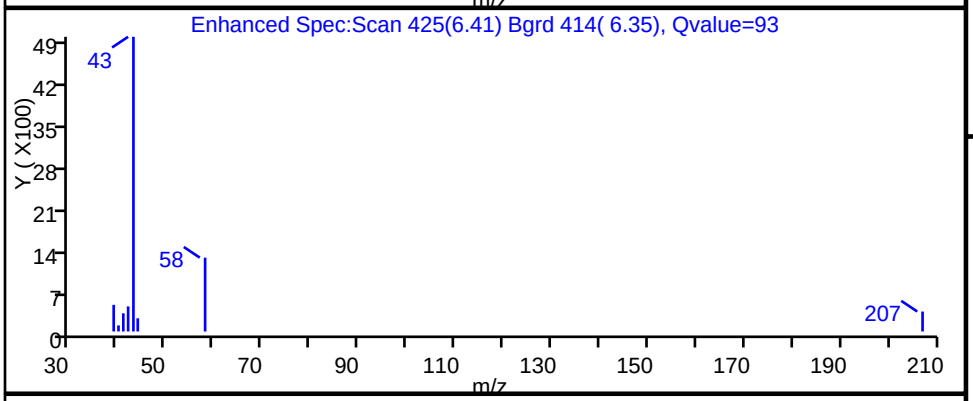
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

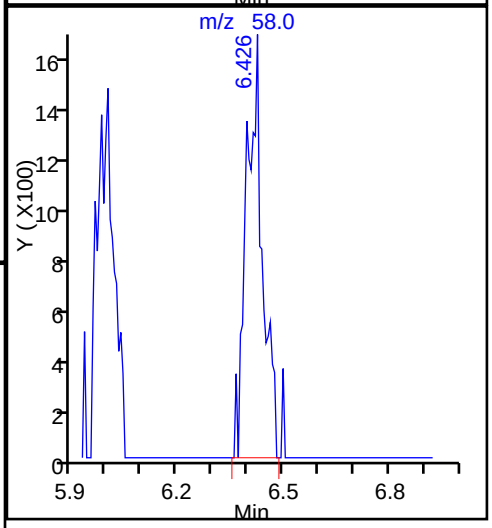
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

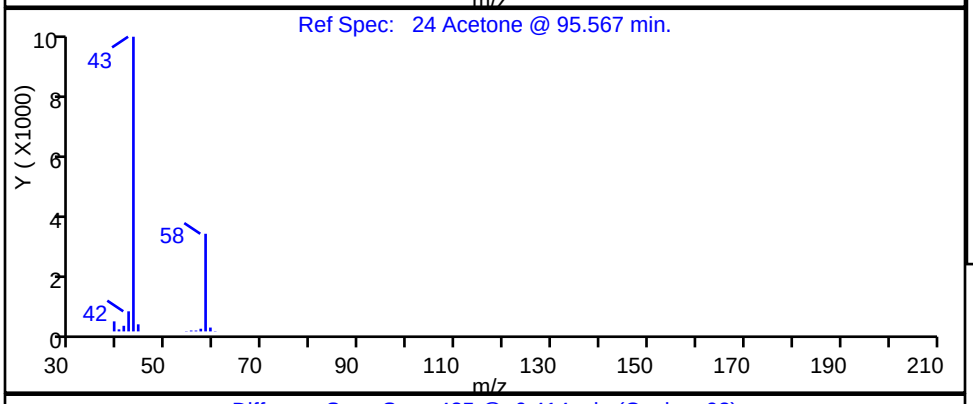
24 Acetone, CAS: 67-64-1

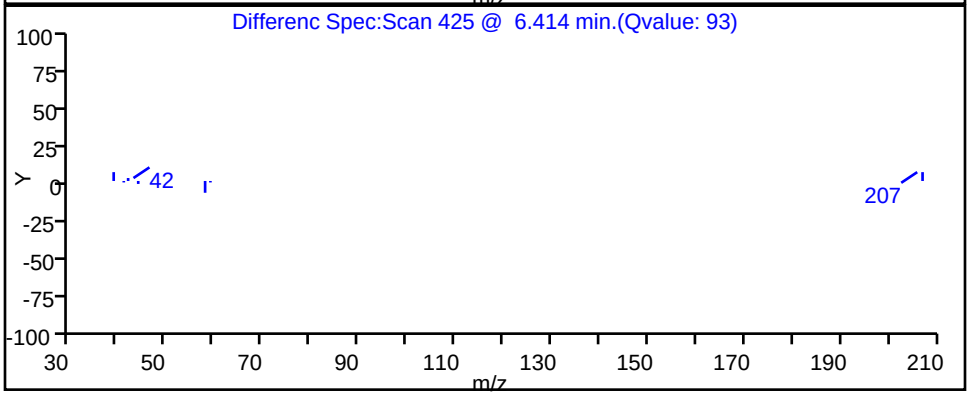










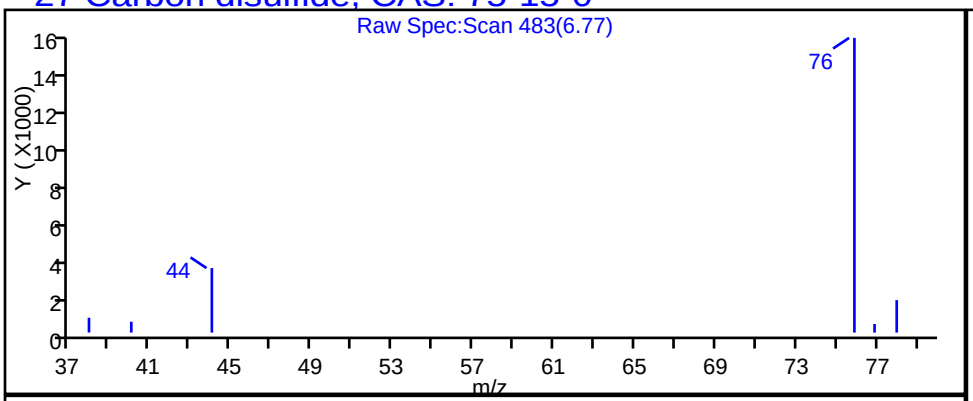


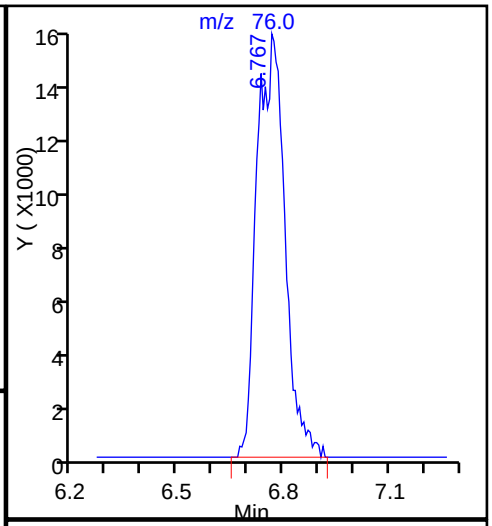
TestAmerica Buffalo

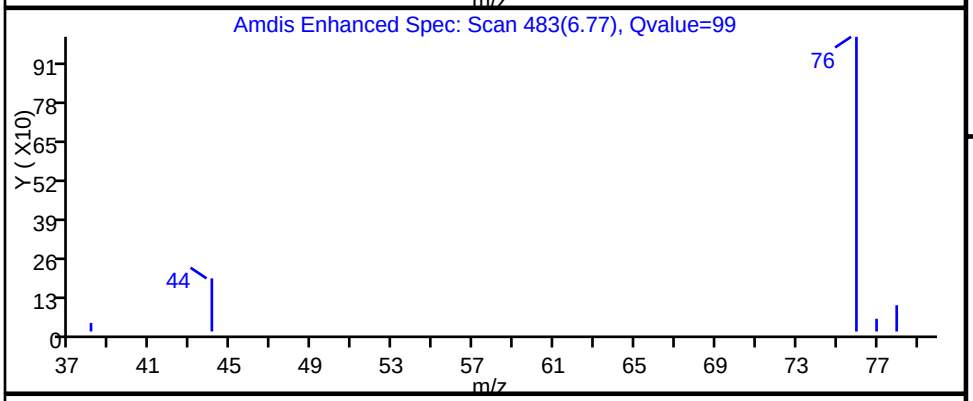
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

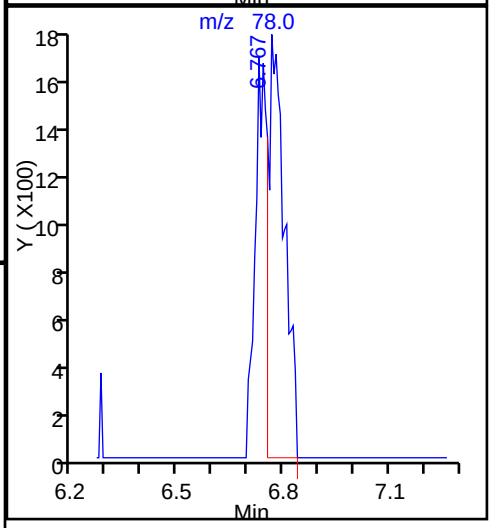
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

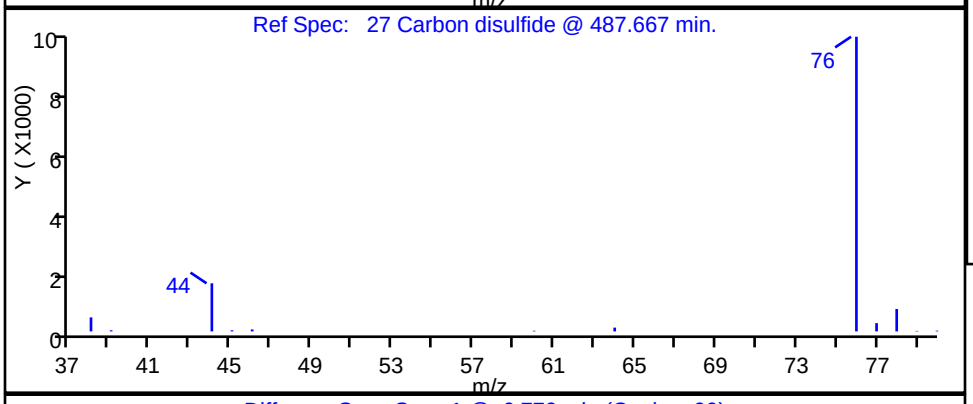
27 Carbon disulfide, CAS: 75-15-0

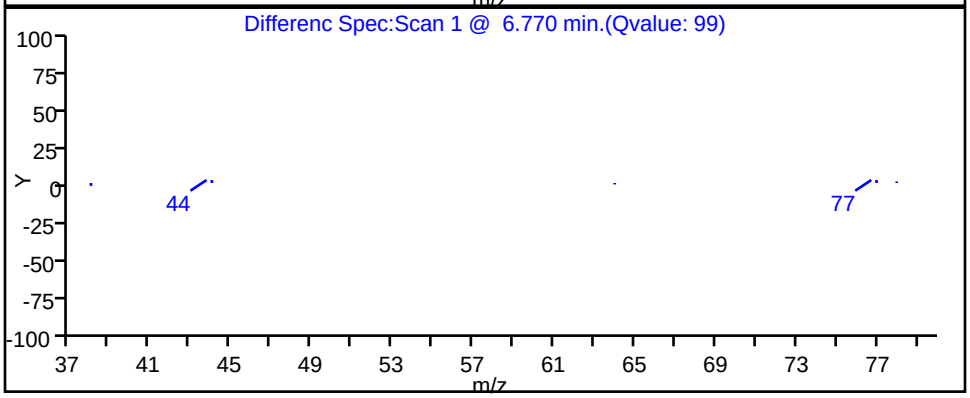












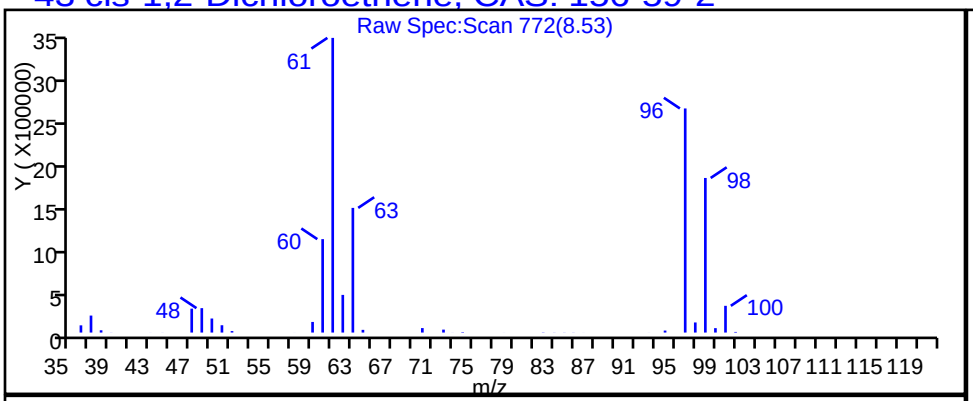
Report Date: 15-Dec-2015 16:17:53 Chrom Revision: 2.2 02-Dec-2015 11:51:48

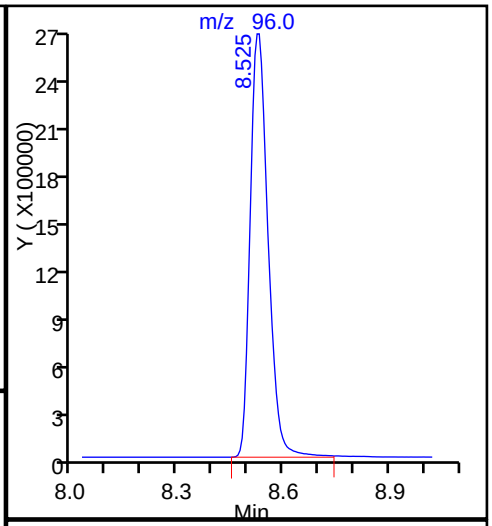
TestAmerica Buffalo

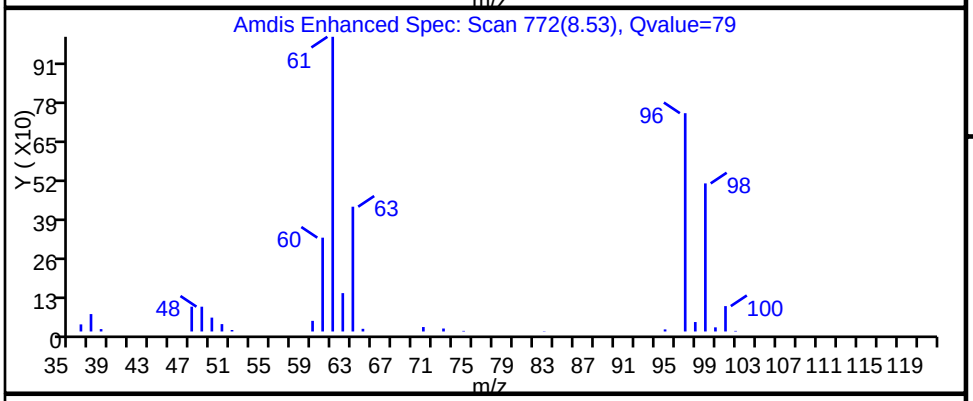
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

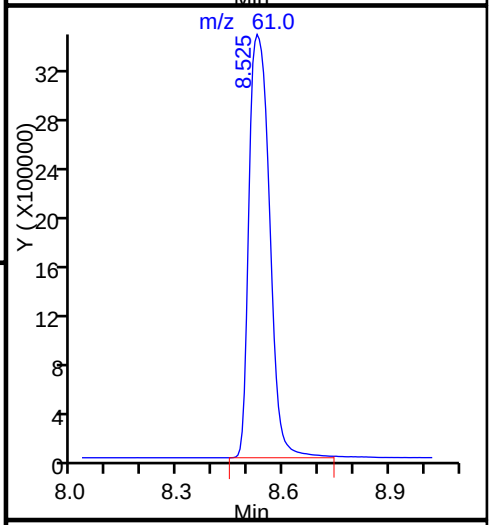
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

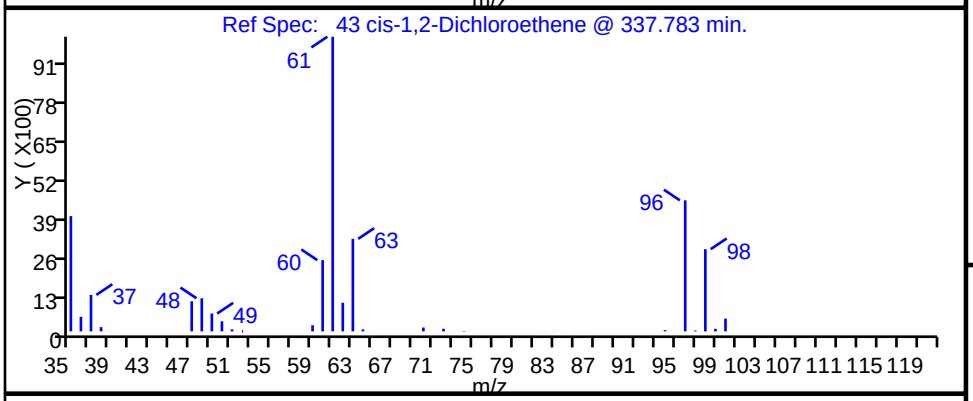
43 cis-1,2-Dichloroethene, CAS: 156-59-2

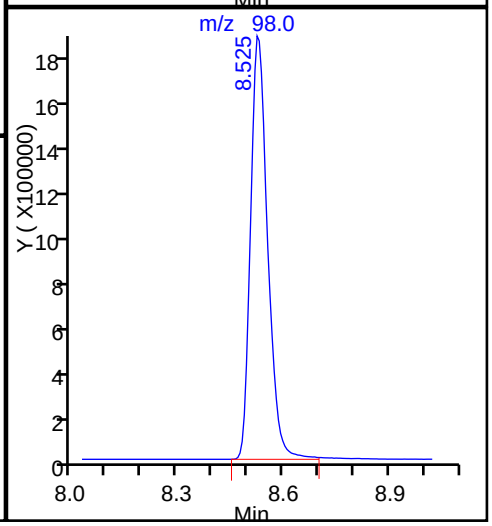


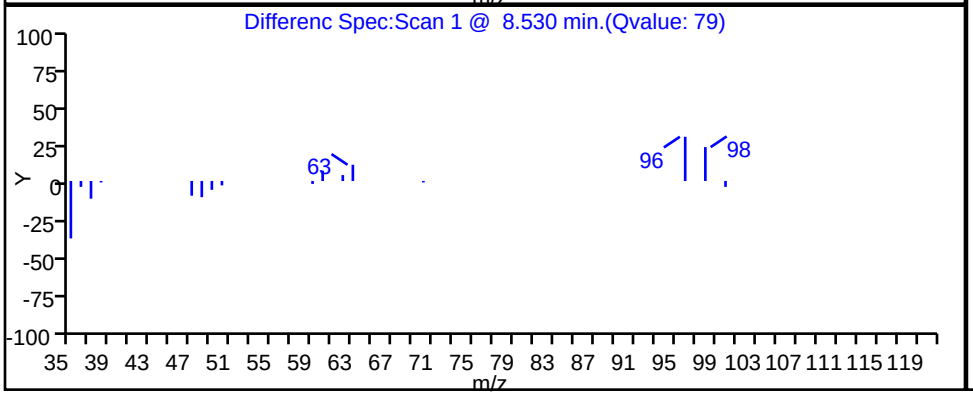








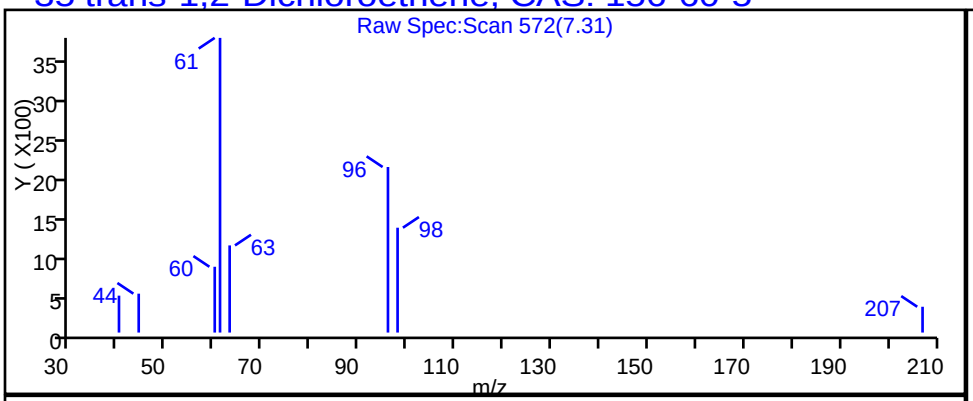


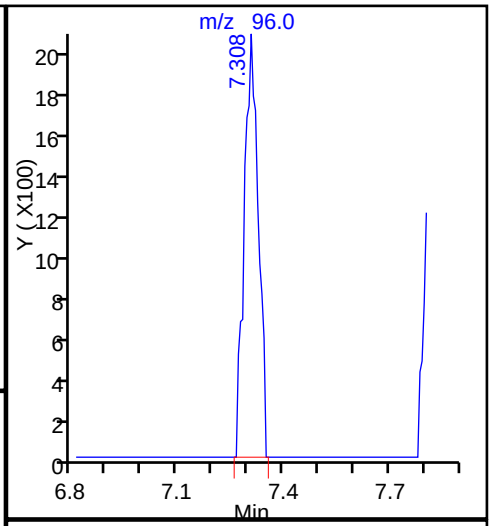


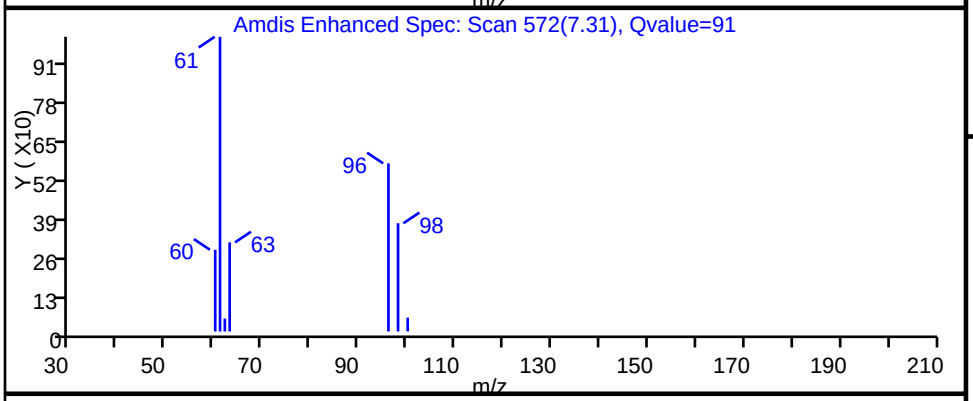
TestAmerica Buffalo

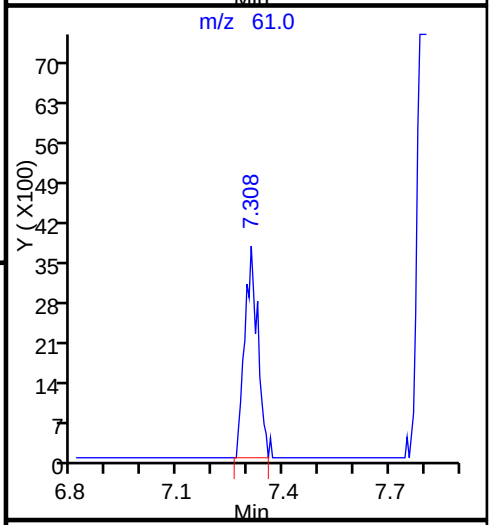
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D				
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

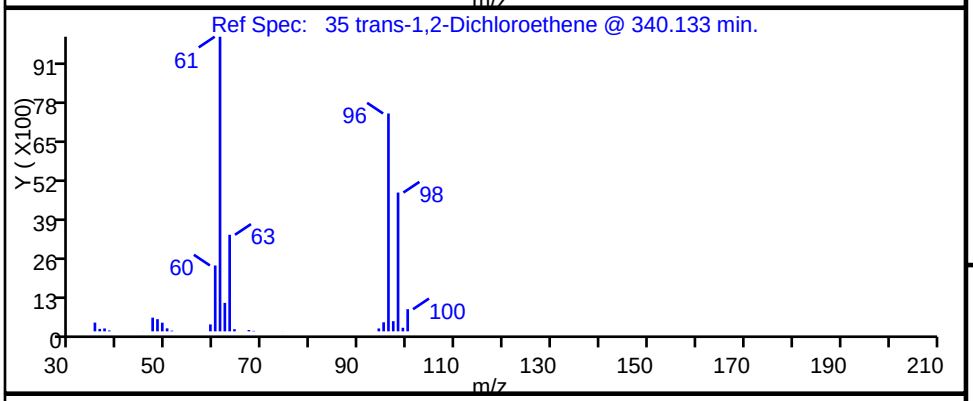
35 trans-1,2-Dichloroethene, CAS: 156-60-5

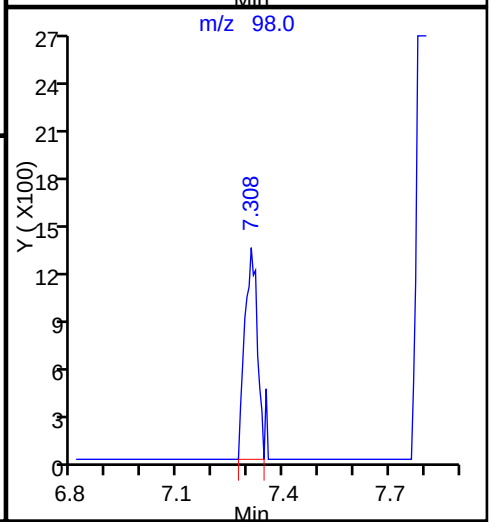


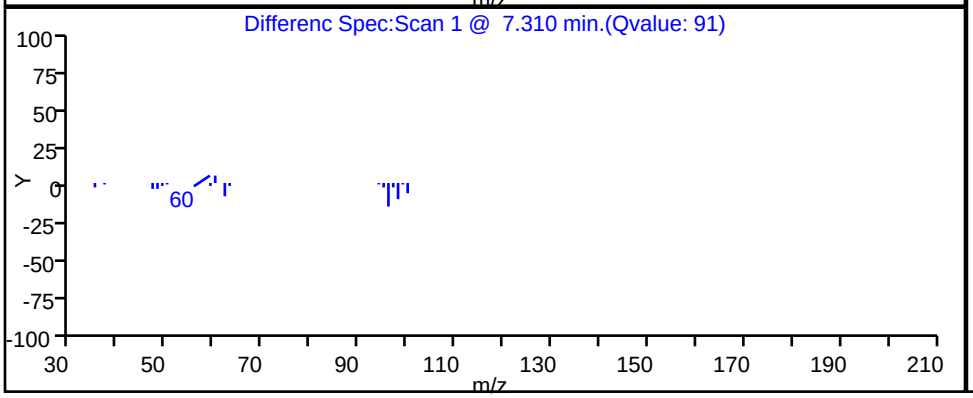












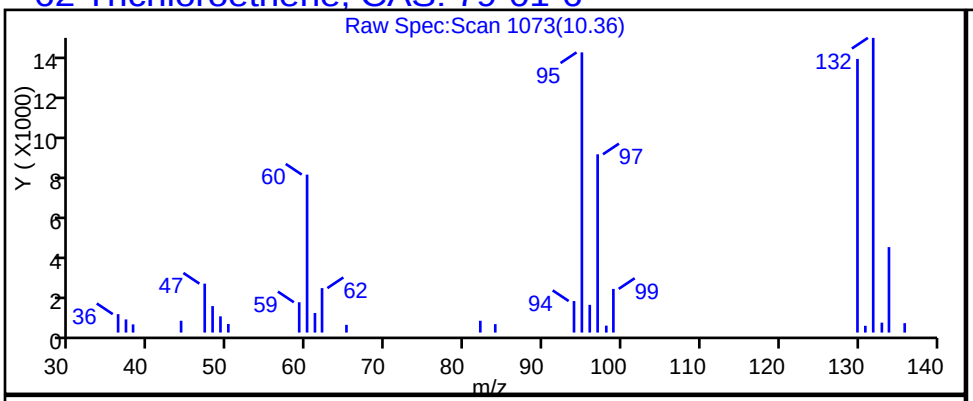
Report Date: 15-Dec-2015 16:17:53 Chrom Revision: 2.2 02-Dec-2015 11:51:48

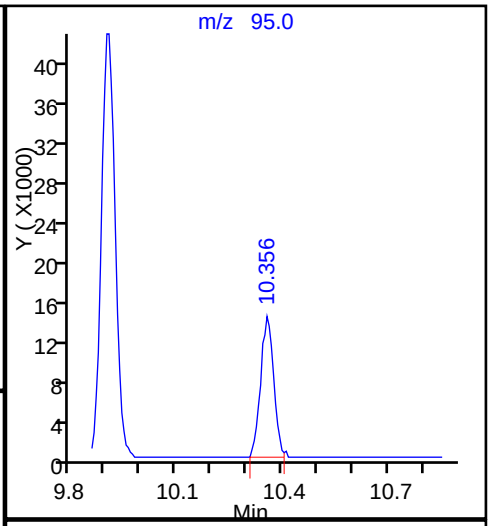
TestAmerica Buffalo

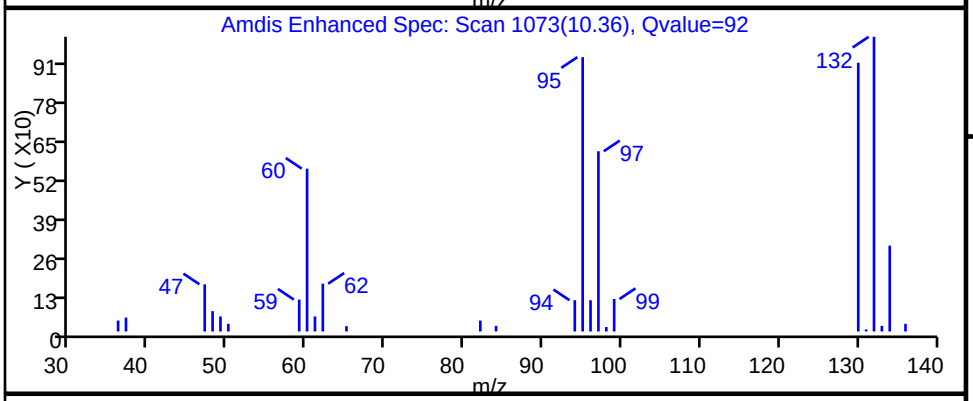
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

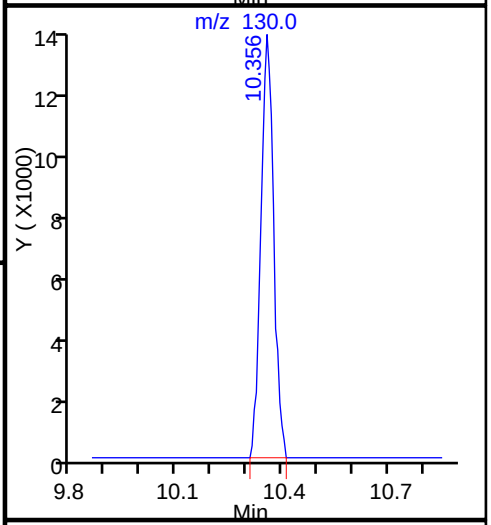
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

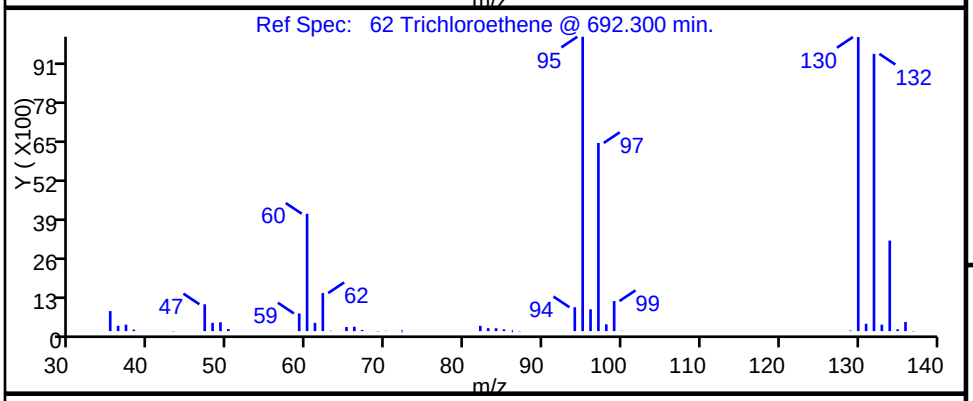
62 Trichloroethene, CAS: 79-01-6

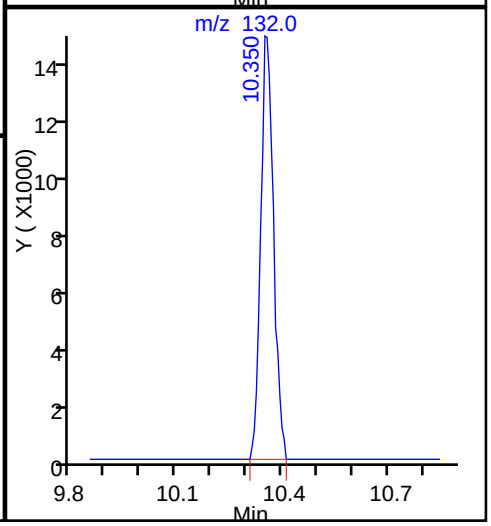


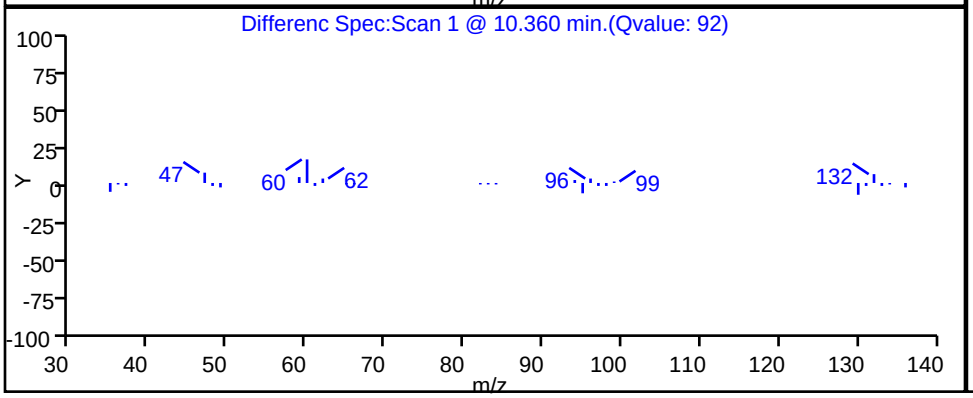












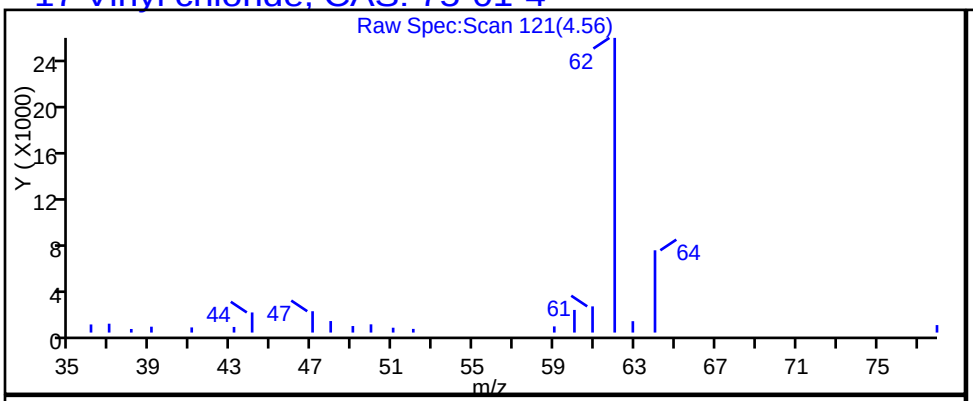
Report Date: 15-Dec-2015 16:17:53 Chrom Revision: 2.2 02-Dec-2015 11:51:48

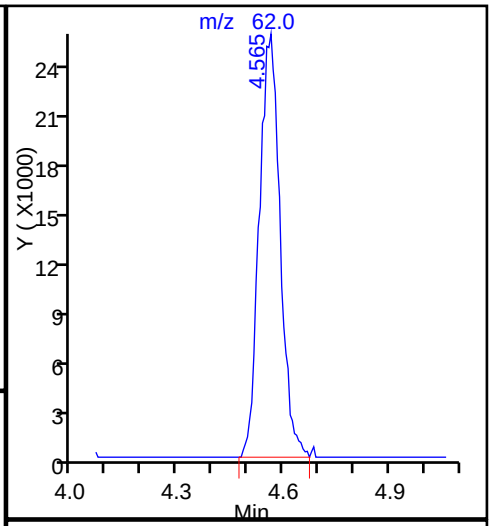
TestAmerica Buffalo

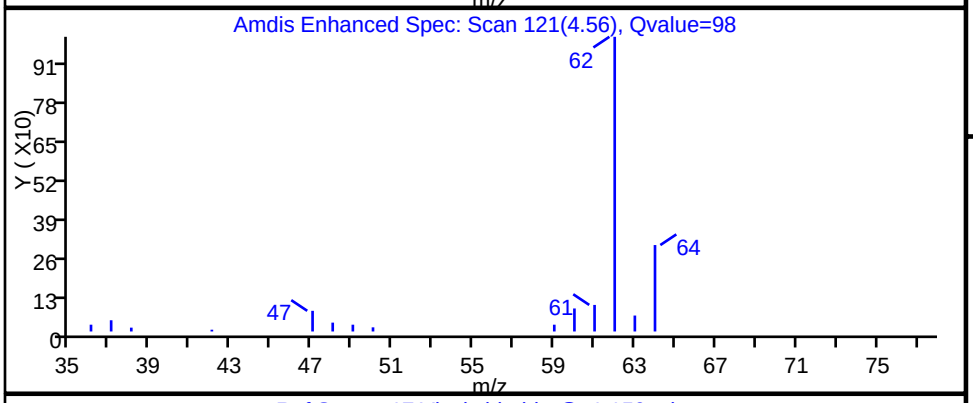
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D

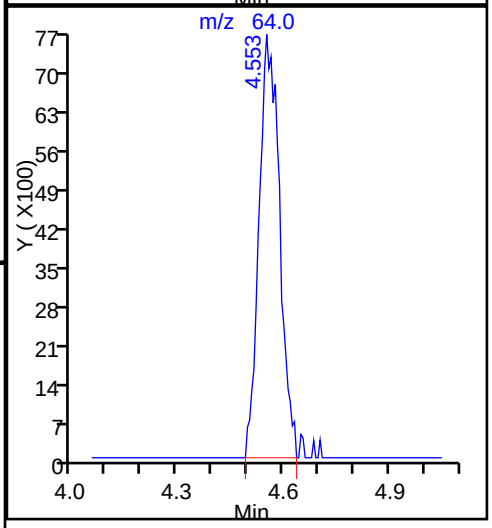
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

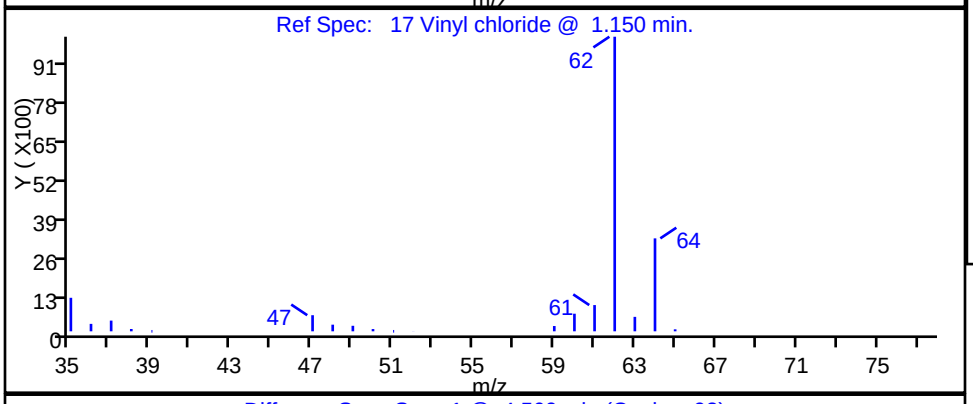
17 Vinyl chloride, CAS: 75-01-4

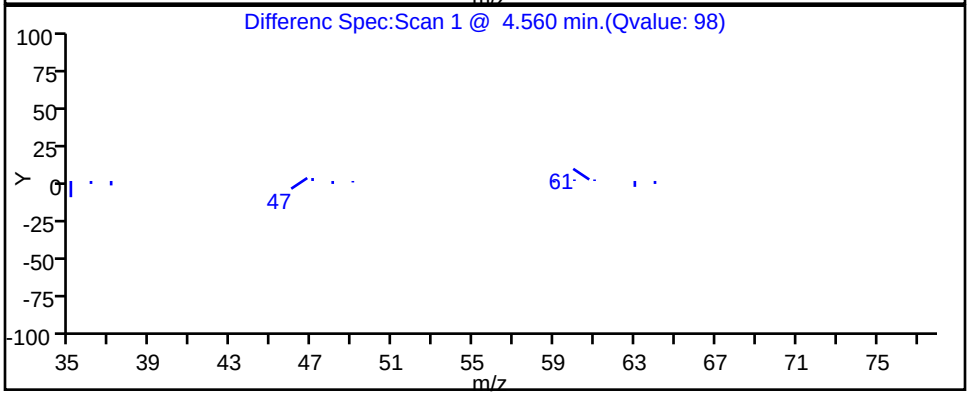












Manual Integration/User Assign Peak Report

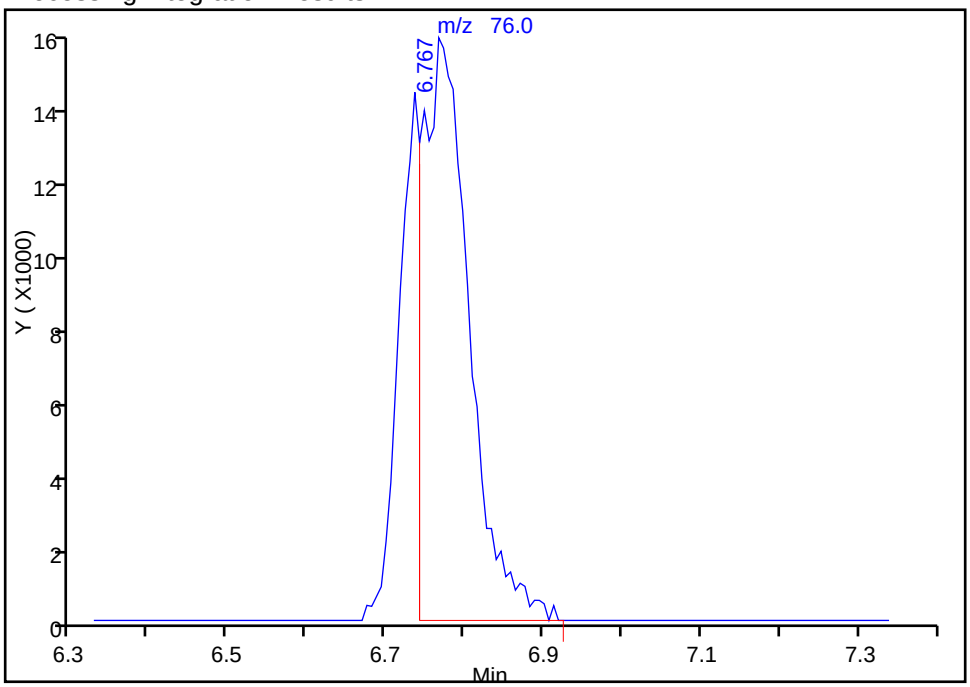
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2365.D				
Injection Date:	15-Dec-2015 08:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-11-A	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	NMD	ALS Bottle#:	23	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

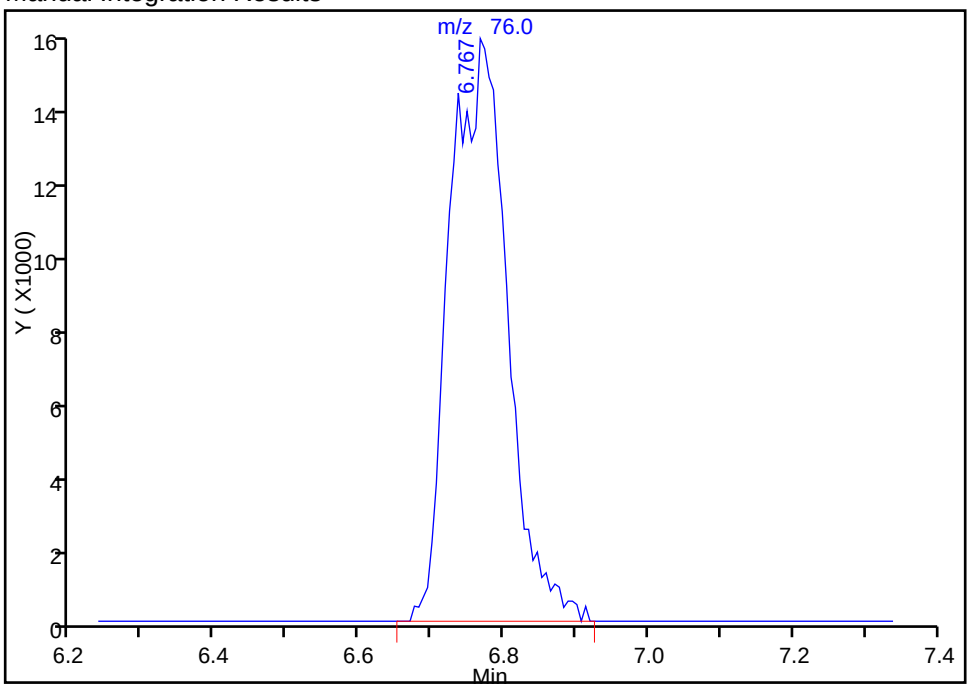
Processing Integration Results

RT: 6.77
Area: 64039
Amount: 2.221536
Amount Units: ug/L



Manual Integration Results

RT: 6.77
Area: 86094
Amount: 2.986631
Amount Units: ug/L



Reviewer: cwiklinc, 15-Dec-2015 15:05:28
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B-AREA2-DUP2 DL | Lab Sample ID: 480-92332-11 DL

Matrix: Solid | Lab File ID: S6382.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:00

Sample wt/vol: 5.06(g) | Date Analyzed: 12/20/2015 20:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.7 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100	540
79-00-5	1,1,2-Trichloroethane	ND		1100	230
75-34-3	1,1-Dichloroethane	4600		1100	330
75-35-4	1,1-Dichloroethene	ND		1100	370
120-82-1	1,2,4-Trichlorobenzene	ND		1100	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	540
106-93-4	1,2-Dibromoethane	ND		1100	190
95-50-1	1,2-Dichlorobenzene	ND		1100	270
107-06-2	1,2-Dichloroethane	ND		1100	440
78-87-5	1,2-Dichloropropane	ND		1100	170
541-73-1	1,3-Dichlorobenzene	ND		1100	290
106-46-7	1,4-Dichlorobenzene	ND		1100	150
78-93-3	2-Butanone (MEK)	ND		5400	3200
591-78-6	2-Hexanone	ND		5400	2200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5400	340
67-64-1	Acetone	ND		5400	4400
71-43-2	Benzene	ND		1100	200
75-27-4	Bromodichloromethane	ND		1100	220
75-25-2	Bromoform	ND		1100	540
74-83-9	Bromomethane	ND		1100	240
75-15-0	Carbon disulfide	ND		1100	490
56-23-5	Carbon tetrachloride	ND		1100	270
108-90-7	Chlorobenzene	ND		1100	140
75-00-3	Chloroethane	ND		1100	220
67-66-3	Chloroform	ND		1100	740
74-87-3	Chloromethane	ND		1100	260
156-59-2	cis-1,2-Dichloroethene	24000		1100	300
10061-01-5	cis-1,3-Dichloropropene	ND		1100	260
110-82-7	Cyclohexane	ND		1100	240
124-48-1	Dibromochloromethane	ND		1100	520
75-71-8	Dichlorodifluoromethane	ND		1100	470
100-41-4	Ethylbenzene	ND		1100	310
98-82-8	Isopropylbenzene	ND		1100	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B-AREA2-DUP2 DL | Lab Sample ID: 480-92332-11 DL

Matrix: Solid | Lab File ID: S6382.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:00

Sample wt/vol: 5.06(g) | Date Analyzed: 12/20/2015 20:47

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.7 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1100	510
1634-04-4	Methyl tert-butyl ether	ND		1100	410
108-87-2	Methylcyclohexane	ND		1100	500
75-09-2	Methylene Chloride	ND		1100	210
100-42-5	Styrene	ND		1100	260
127-18-4	Tetrachloroethene	ND		1100	140
108-88-3	Toluene	ND		1100	290
156-60-5	trans-1,2-Dichloroethene	ND		1100	250
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	ND		1100	300
75-69-4	Trichlorofluoromethane	ND		1100	510
75-01-4	Vinyl chloride	ND		1100	360
1330-20-7	Xylenes, Total	ND		2200	600

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	94		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6382.D
Lims ID: 480-92332-A-11-B Lab Sample ID: 480-92332-11
Client ID: B-AREA2-DUP2
Sample Type: Client
Inject. Date: 20-Dec-2015 20:47:30 ALS Bottle#: 25 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-11-B
Misc. Info.: 480-0049418-024
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:38 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	97	95655	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	195656	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	180332	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	77393	26.1	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	475184	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	141647	25.6	
10 Dichlorodifluoromethane	85		1.243				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.504				ND	
14 Bromomethane	94		1.809				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.733				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.038				ND	
30 Methylene Chloride	84		3.159				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.372				ND	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	70	40957	4.24	
45 cis-1,2-Dichloroethene	96	4.340	4.339	0.001	73	107232	22.0	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.650				ND	
51 1,1,1-Trichloroethane	97		4.777				ND	
52 Cyclohexane	56		4.802				ND	
55 Carbon tetrachloride	117		4.923				ND	
57 Benzene	78		5.130				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95		5.745				ND	
64 Methylcyclohexane	83		5.879				ND	
65 1,2-Dichloropropane	63		5.976				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.822				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.430				ND	
81 Tetrachloroethene	166		7.521				ND	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91		8.525				ND	
90 m-Xylene & p-Xylene	106		8.647				ND	
91 o-Xylene	106		9.066				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.153				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

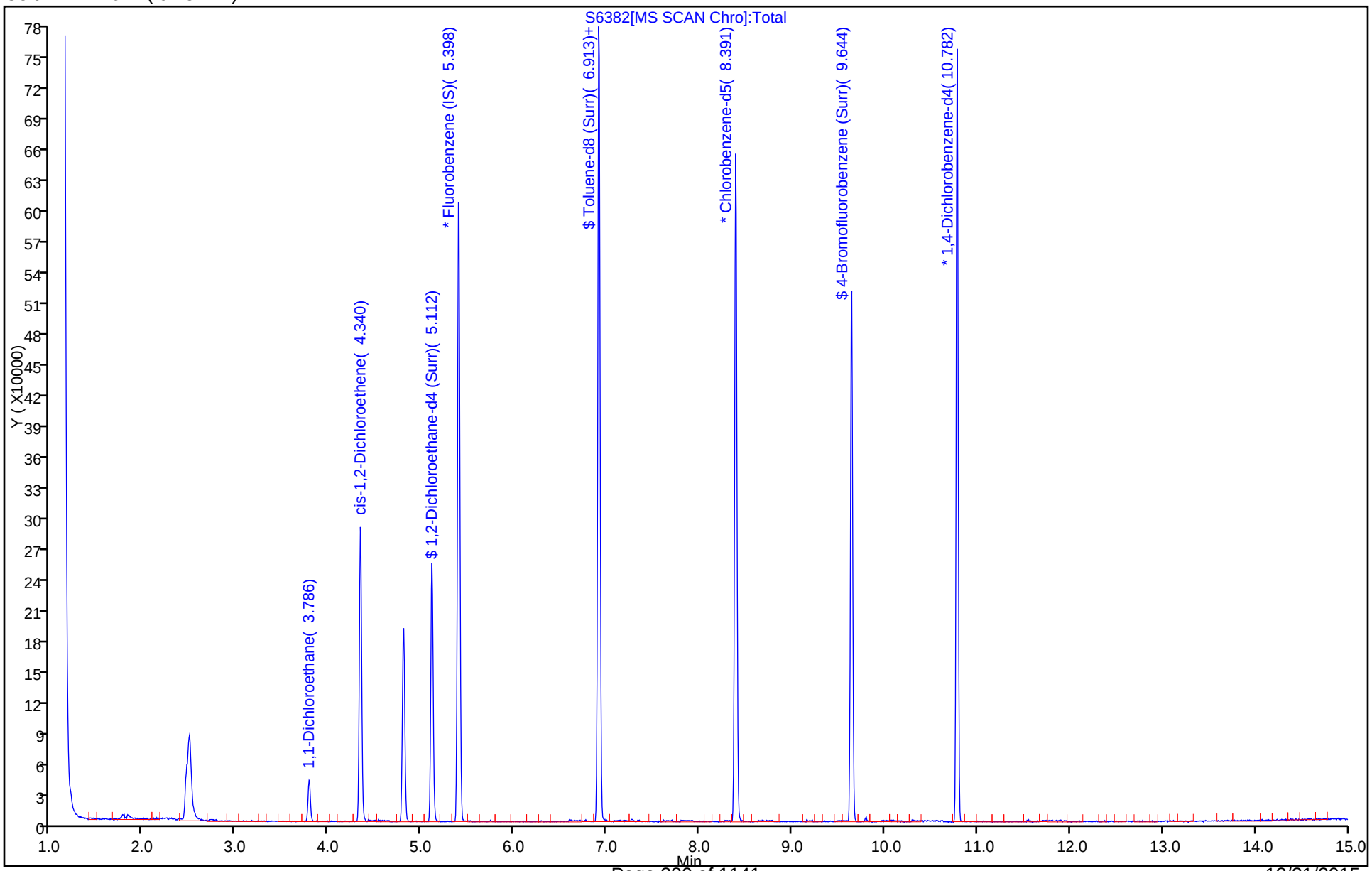
Report Date: 21-Dec-2015 15:18:39 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6382.D

Injection Date:	20-Dec-2015 20:47:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-11-B	Lab Sample ID:	480-92332-11	Worklist Smp#:	24
Client ID:	B-AREA2-DUP2				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



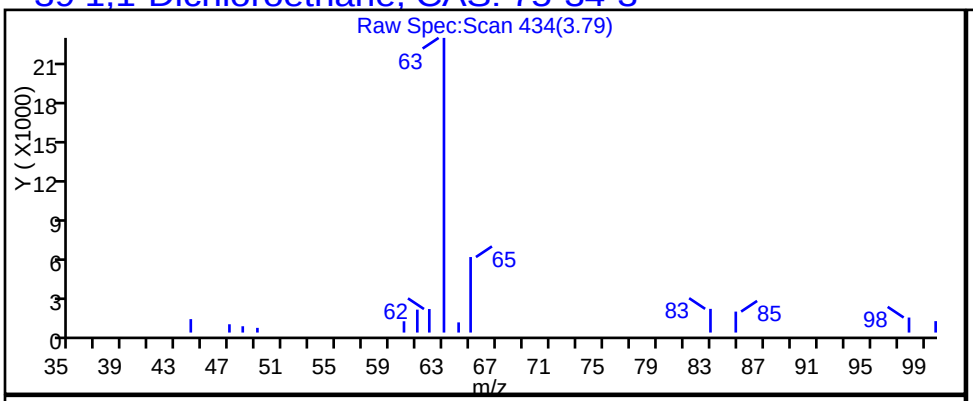
Report Date: 21-Dec-2015 15:18:39 Chrom Revision: 2.2 02-Dec-2015 11:51:48

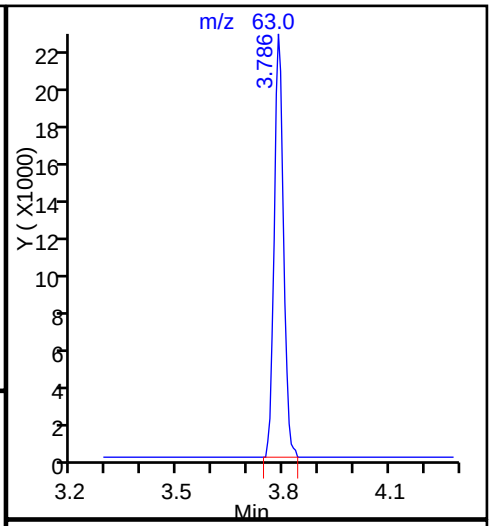
TestAmerica Buffalo

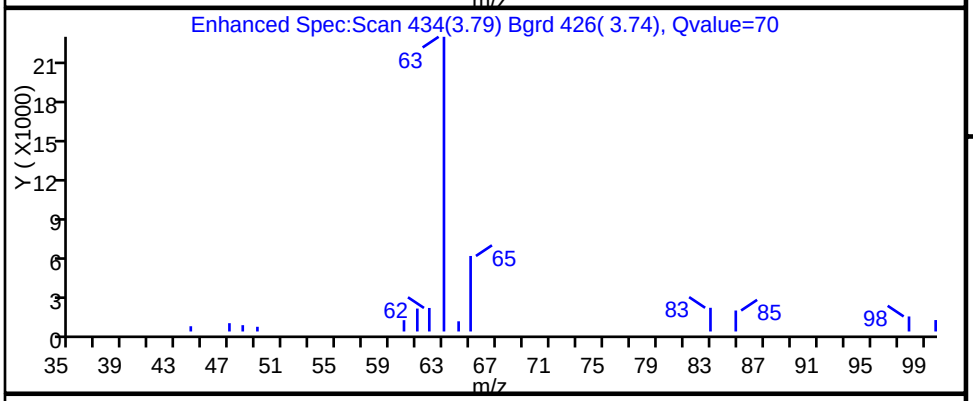
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6382.D

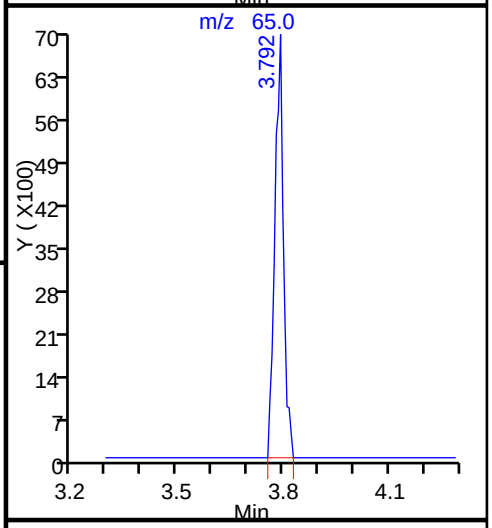
Injection Date:	20-Dec-2015 20:47:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-11-B	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	SO	ALS Bottle#:	25	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

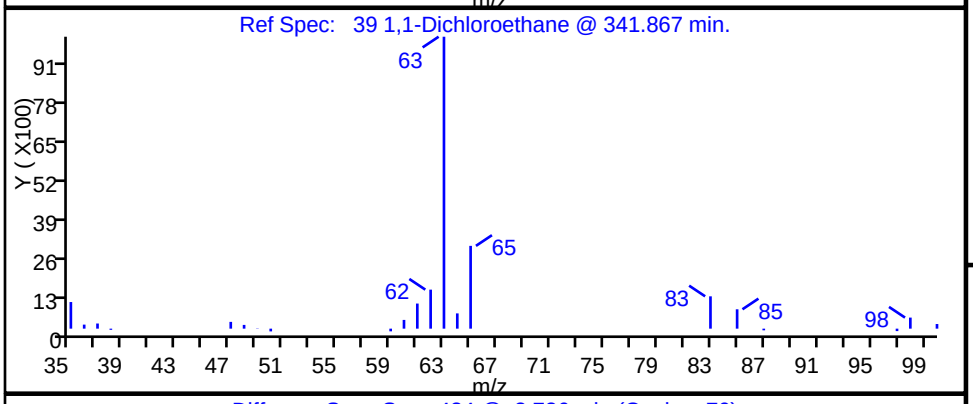
39 1,1-Dichloroethane, CAS: 75-34-3

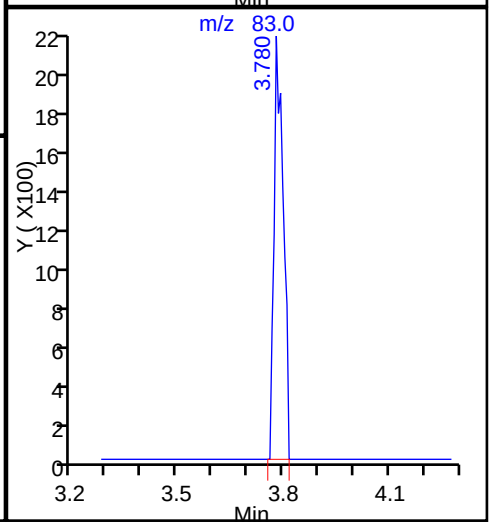


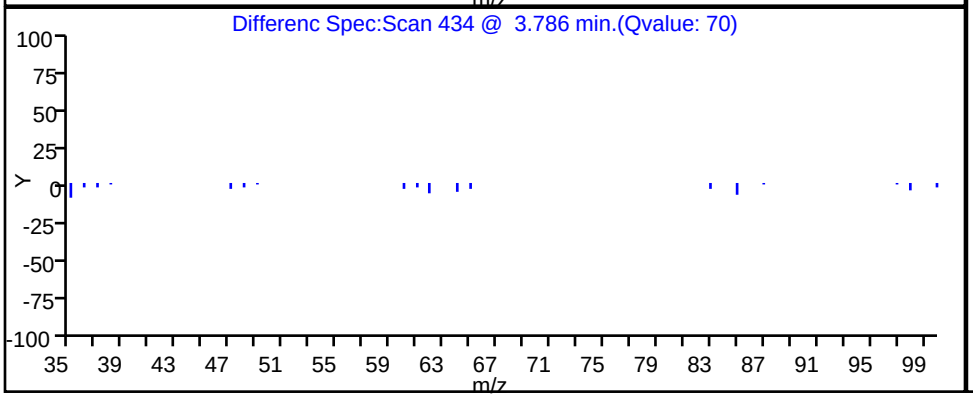








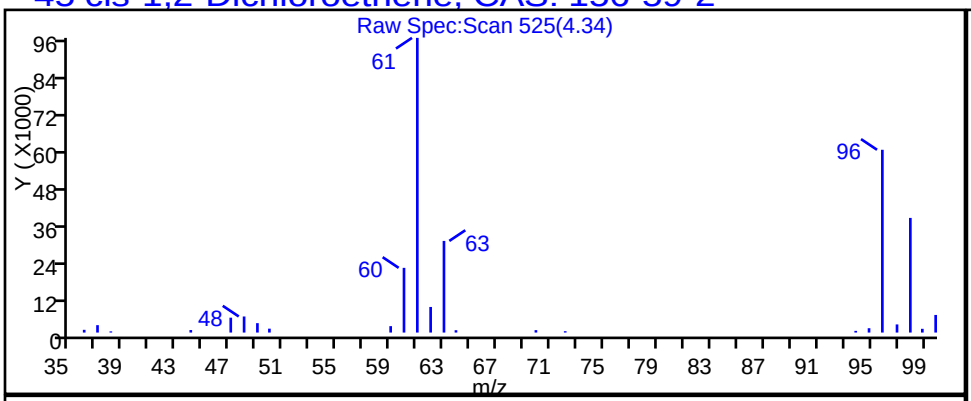


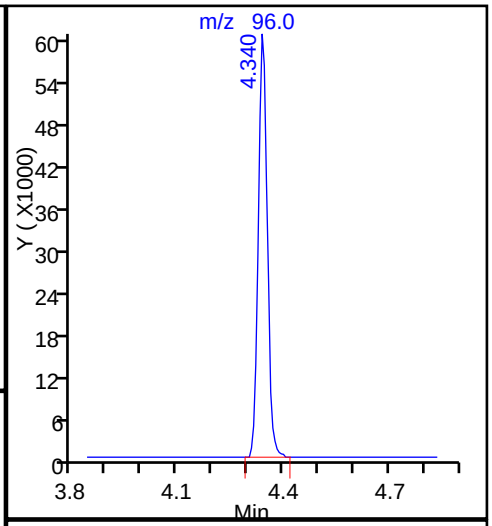


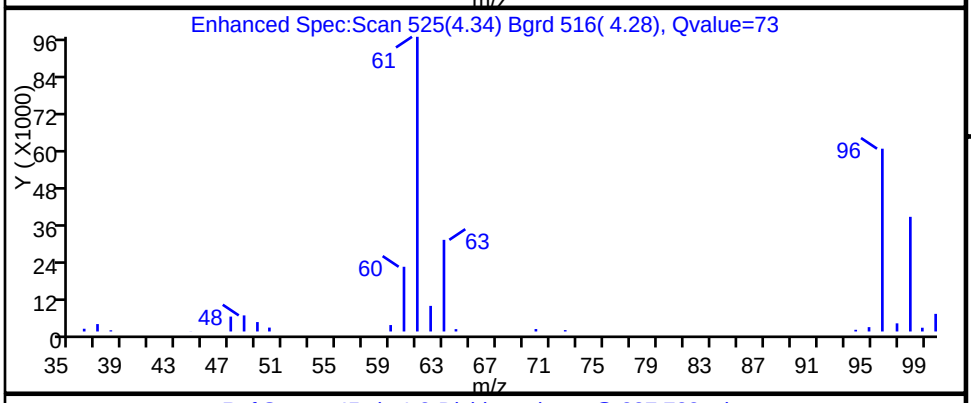
TestAmerica Buffalo

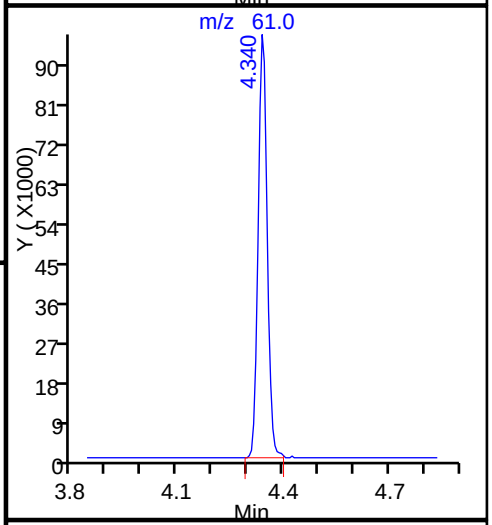
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6382.D				
Injection Date:	20-Dec-2015 20:47:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-11-B	Lab Sample ID:	480-92332-11		
Client ID:	B-AREA2-DUP2				
Operator ID:	SO	ALS Bottle#:	25	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

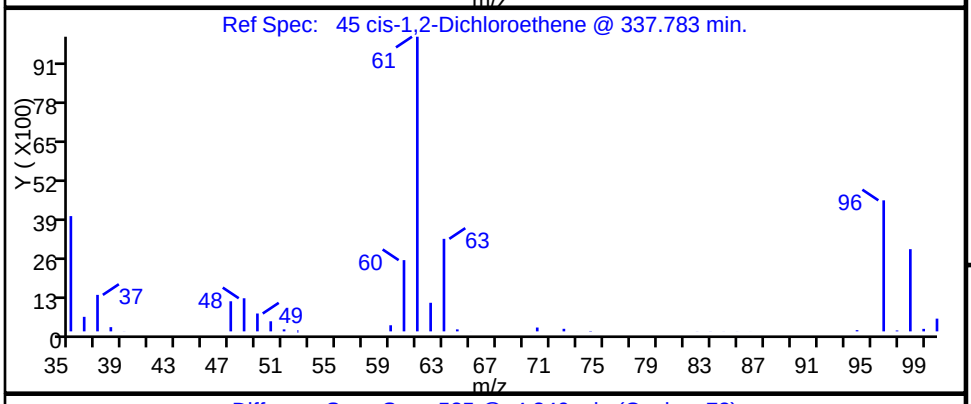
45 cis-1,2-Dichloroethene, CAS: 156-59-2

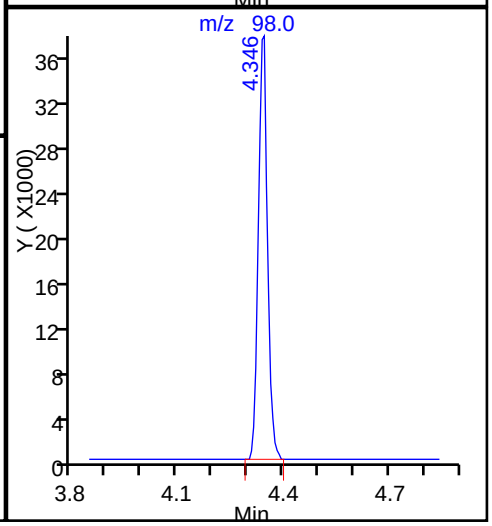


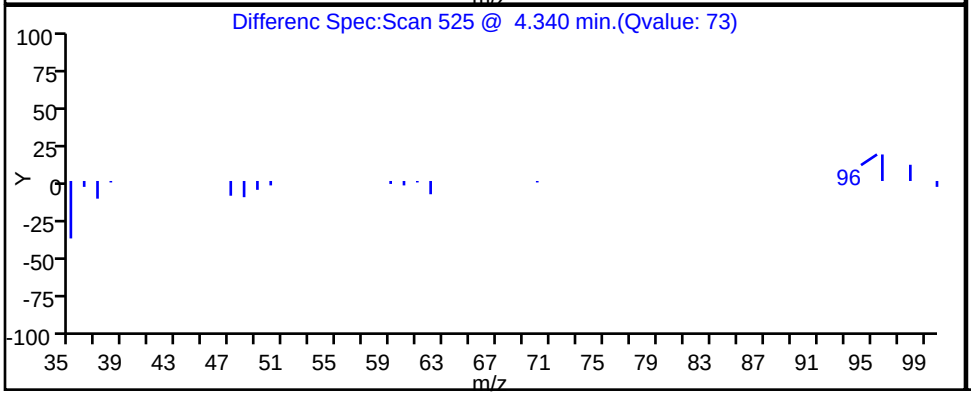












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B14-AREA2-S1 | Lab Sample ID: 480-92332-12

Matrix: Solid | Lab File ID: S6399.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:55

Sample wt/vol: 5.03(g) | Date Analyzed: 12/21/2015 14:03

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Medium

Analysis Batch No.: 280772 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		550	150
79-34-5	1,1,2,2-Tetrachloroethane	ND		550	90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		550	280
79-00-5	1,1,2-Trichloroethane	ND		550	120
75-34-3	1,1-Dichloroethane	ND		550	170
75-35-4	1,1-Dichloroethene	ND		550	190
120-82-1	1,2,4-Trichlorobenzene	ND		550	210
96-12-8	1,2-Dibromo-3-Chloropropane	ND		550	280
106-93-4	1,2-Dibromoethane	ND		550	96
95-50-1	1,2-Dichlorobenzene	ND		550	140
107-06-2	1,2-Dichloroethane	ND		550	230
78-87-5	1,2-Dichloropropane	ND		550	89
541-73-1	1,3-Dichlorobenzene	ND		550	150
106-46-7	1,4-Dichlorobenzene	ND		550	77
78-93-3	2-Butanone (MEK)	ND		2800	1600
591-78-6	2-Hexanone	ND		2800	1100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2800	180
67-64-1	Acetone	ND		2800	2300
71-43-2	Benzene	ND		550	100
75-27-4	Bromodichloromethane	ND		550	110
75-25-2	Bromoform	ND		550	280
74-83-9	Bromomethane	ND		550	120
75-15-0	Carbon disulfide	ND		550	250
56-23-5	Carbon tetrachloride	ND		550	140
108-90-7	Chlorobenzene	ND		550	73
75-00-3	Chloroethane	ND		550	110
67-66-3	Chloroform	ND		550	380
74-87-3	Chloromethane	ND		550	130
156-59-2	cis-1,2-Dichloroethene	ND		550	150
10061-01-5	cis-1,3-Dichloropropene	ND		550	130
110-82-7	Cyclohexane	ND		550	120
124-48-1	Dibromochloromethane	ND		550	270
75-71-8	Dichlorodifluoromethane	ND		550	240
100-41-4	Ethylbenzene	ND		550	160
98-82-8	Isopropylbenzene	ND		550	83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B14-AREA2-S1 | Lab Sample ID: 480-92332-12

Matrix: Solid | Lab File ID: S6399.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:55

Sample wt/vol: 5.03(g) | Date Analyzed: 12/21/2015 14:03

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 5

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Medium

Analysis Batch No.: 280772 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		550	260
1634-04-4	Methyl tert-butyl ether	ND		550	210
108-87-2	Methylcyclohexane	ND		550	260
75-09-2	Methylene Chloride	ND		550	110
100-42-5	Styrene	ND		550	130
127-18-4	Tetrachloroethene	31000		550	74
108-88-3	Toluene	3000		550	150
156-60-5	trans-1,2-Dichloroethene	ND		550	130
10061-02-6	trans-1,3-Dichloropropene	ND		550	54
79-01-6	Trichloroethene	1400		550	150
75-69-4	Trichlorofluoromethane	ND		550	260
75-01-4	Vinyl chloride	ND		550	180
1330-20-7	Xylenes, Total	ND		1100	310

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6399.D
Lims ID: 480-92332-A-12-B Lab Sample ID: 480-92332-12
Client ID: B14-AREA2-S1
Sample Type: Client
Inject. Date: 21-Dec-2015 14:03:30 ALS Bottle#: 42 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 480-92332-A-12-B
Misc. Info.: 480-0049435-025
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 17:06:59 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: fortaing Date: 21-Dec-2015 17:09:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	93273	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	189547	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.788	10.782	0.006	95	176776	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	76392	26.4	
$ 5 Toluene-d8 (Surr)	98	6.919	6.913	0.006	95	459075	27.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	140684	26.3	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.821				ND	
15 Chloroethane	64		1.906				ND	
17 Trichlorofluoromethane	101		2.137				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.642				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.733				ND	
26 Carbon disulfide	76		2.843				ND	
27 Methyl acetate	43		3.038				ND	
30 Methylene Chloride	84		3.135				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.372				ND	
39 1,1-Dichloroethane	63		3.786				ND	
45 cis-1,2-Dichloroethene	96		4.340				ND	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.650				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.802				ND	
55 Carbon tetrachloride	117		4.924				ND	
57 Benzene	78		5.130				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.745	0.000	71	10992	2.49	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92	6.986	6.980	0.006	88	56488	5.50	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.430				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	278493	56.2	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91	8.519	8.525	-0.006	1	2401	0.1289	
90 m-Xylene & p-Xylene	106	8.641	8.647	-0.006	0	3145	0.3981	
91 o-Xylene	106		9.066				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		0.3981	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

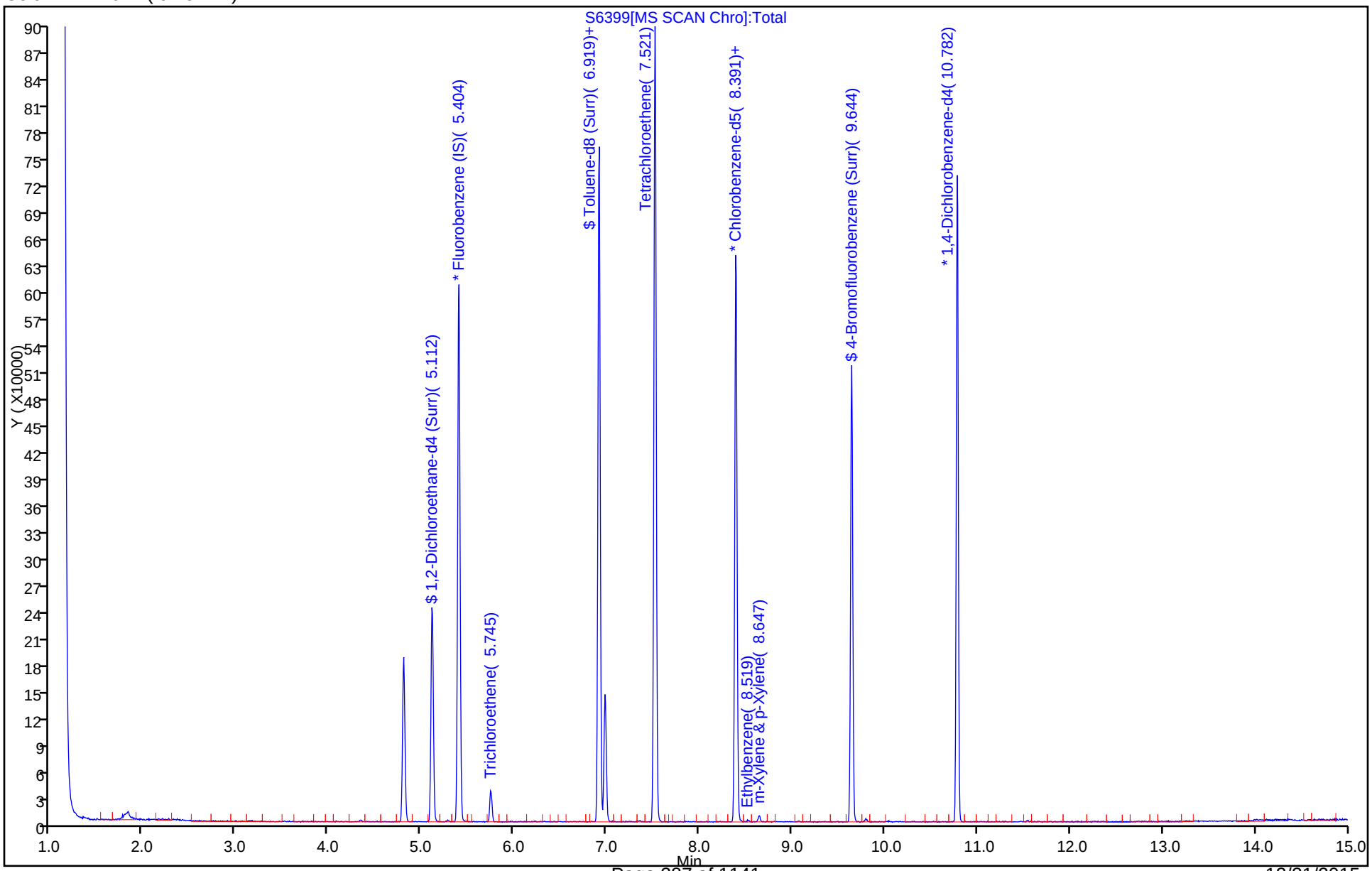
Report Date: 21-Dec-2015 17:09:22 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6399.D

Injection Date:	21-Dec-2015 14:03:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92332-A-12-B	Lab Sample ID:	480-92332-12	Worklist Smp#:	25
Client ID:	B14-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	42
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

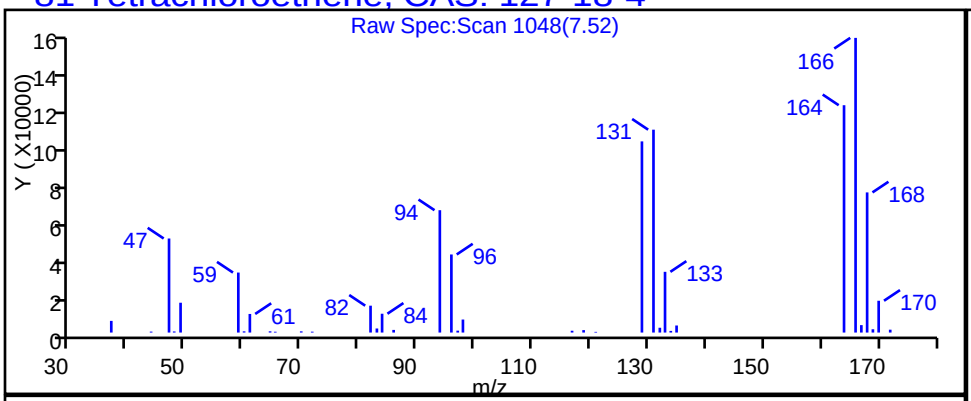


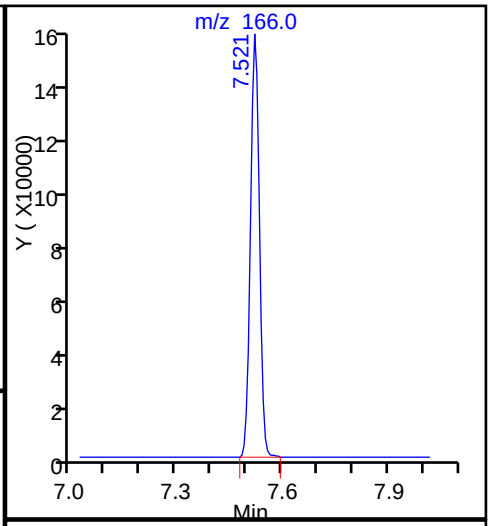
TestAmerica Buffalo

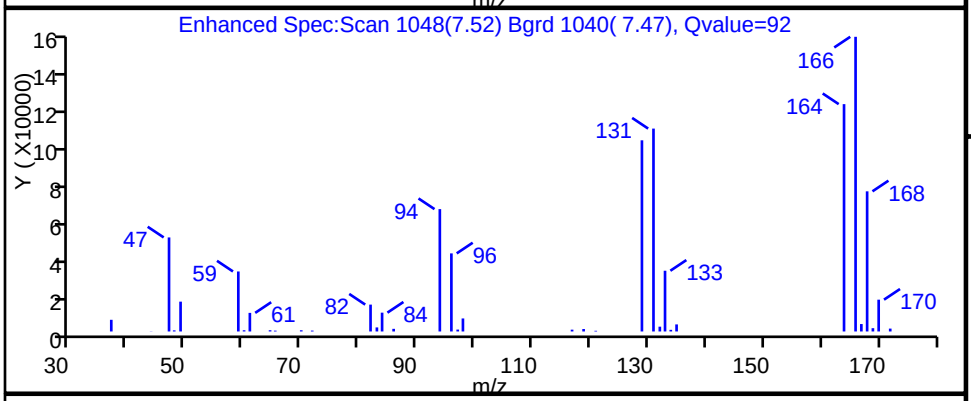
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6399.D

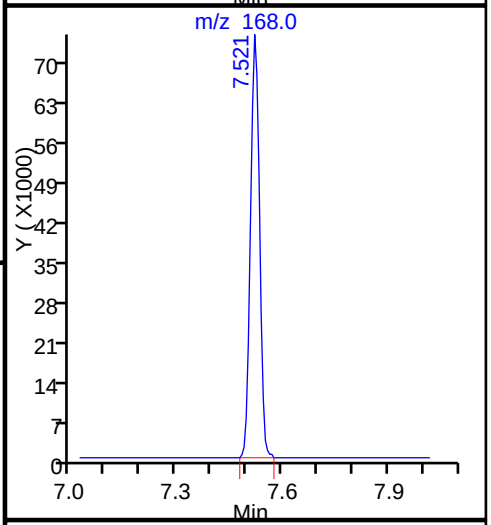
Injection Date:	21-Dec-2015 14:03:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-12-B	Lab Sample ID:	480-92332-12
Client ID:	B14-AREA2-S1		
Operator ID:	gtg	ALS Bottle#:	42 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	5.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

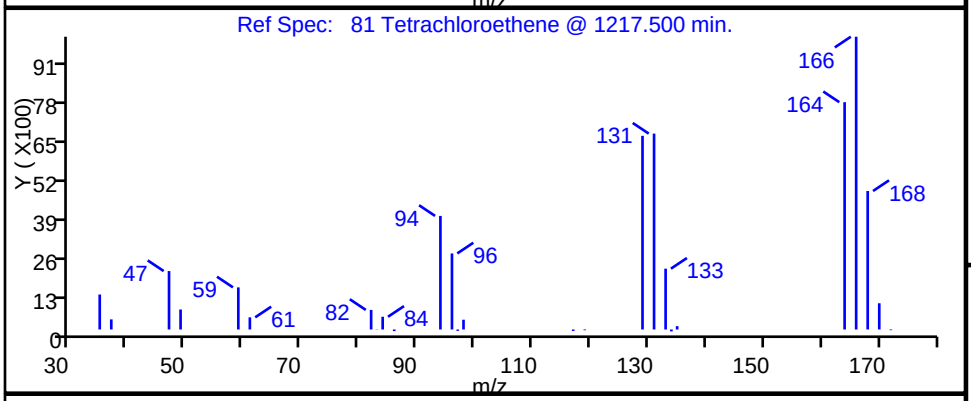
81 Tetrachloroethene, CAS: 127-18-4

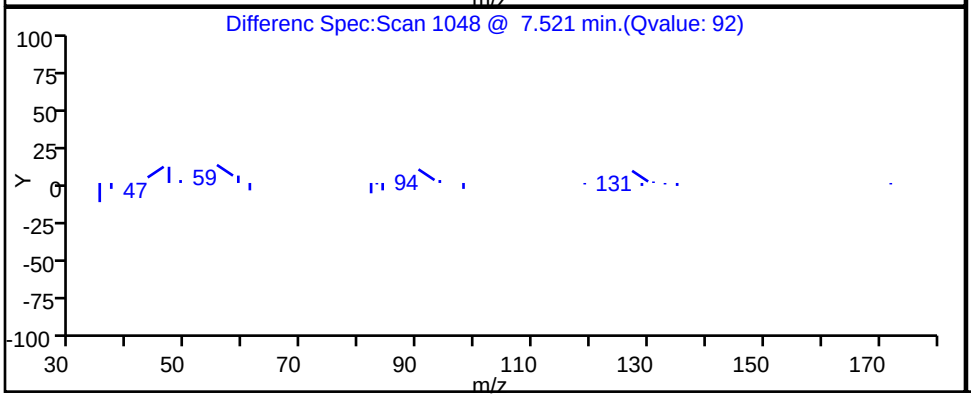


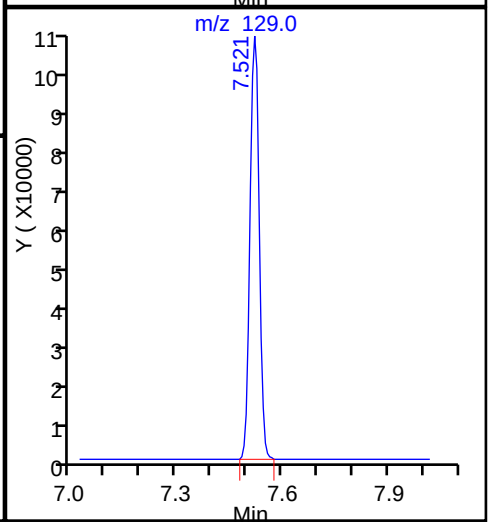










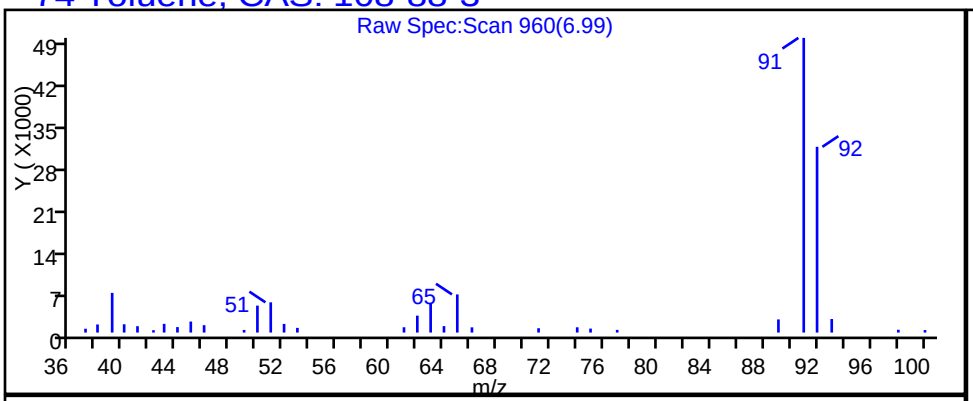


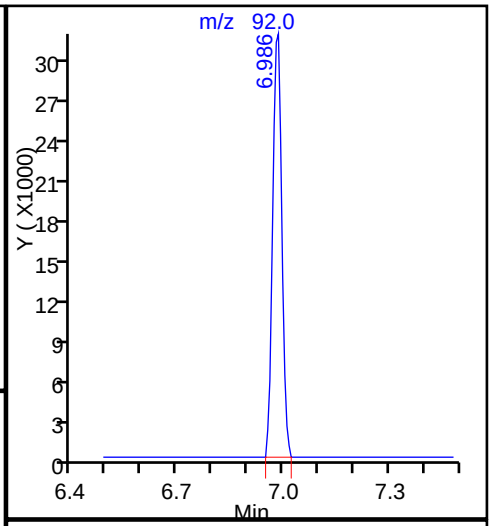
TestAmerica Buffalo

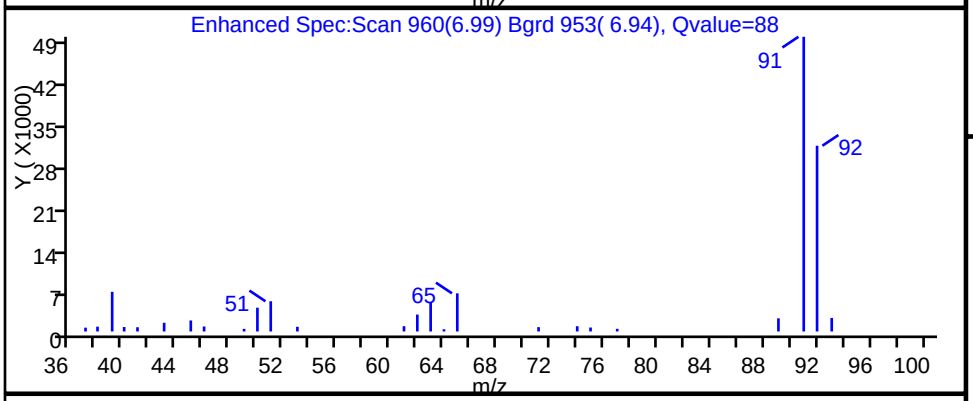
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6399.D

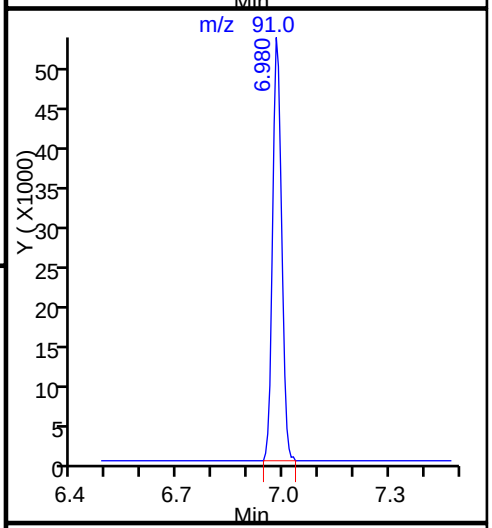
Injection Date:	21-Dec-2015 14:03:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-12-B	Lab Sample ID:	480-92332-12		
Client ID:	B14-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	42	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

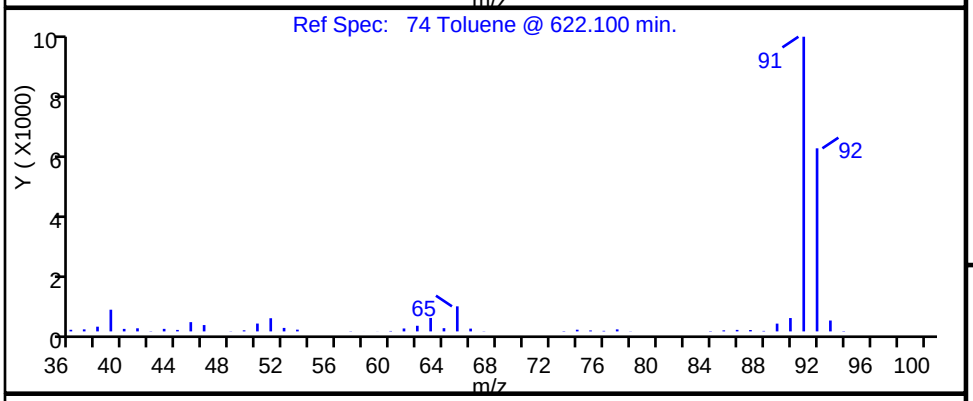
74 Toluene, CAS: 108-88-3

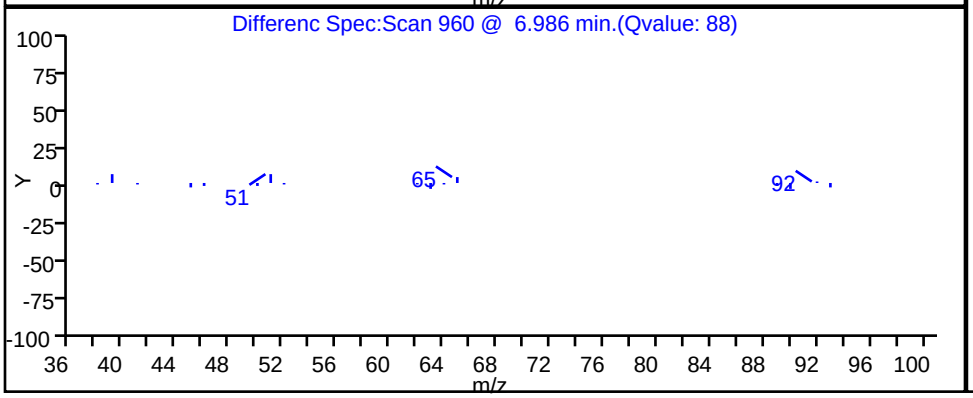


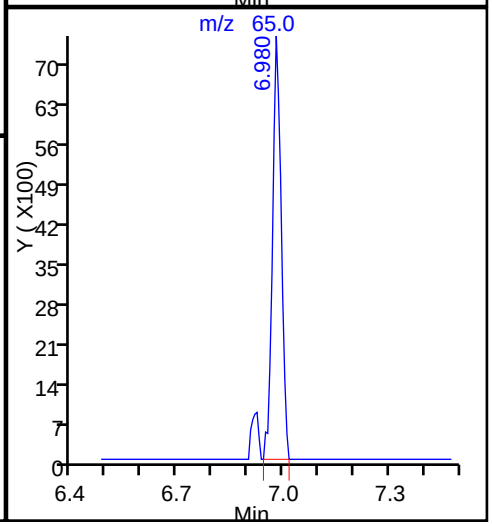










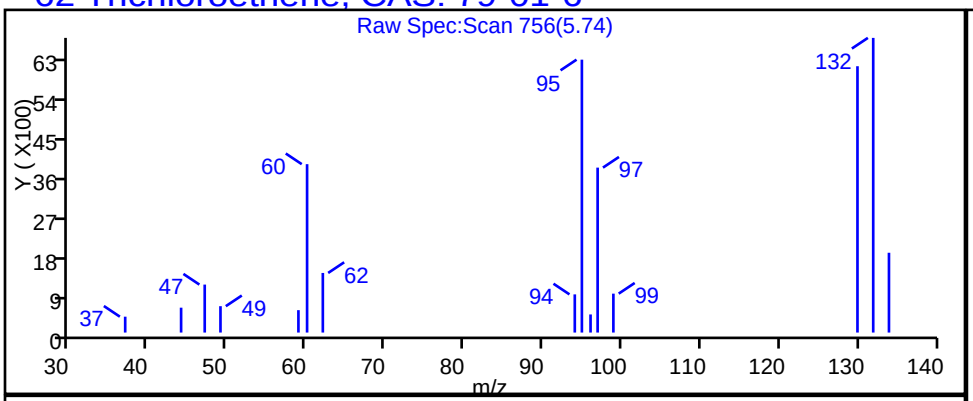


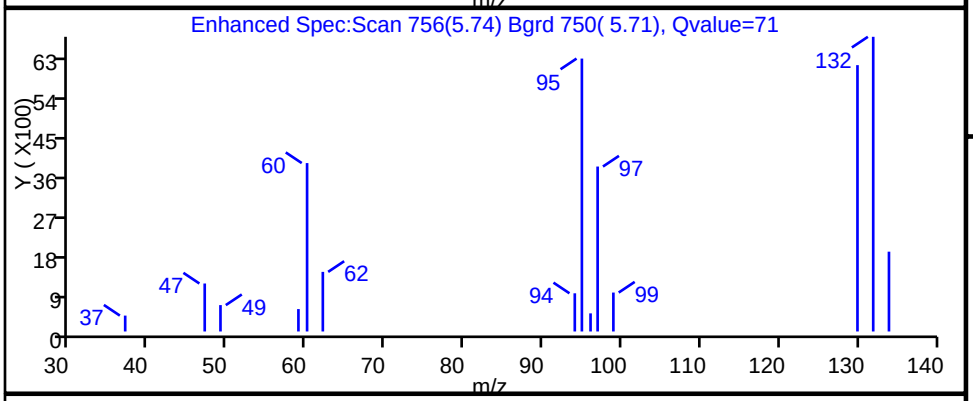
TestAmerica Buffalo

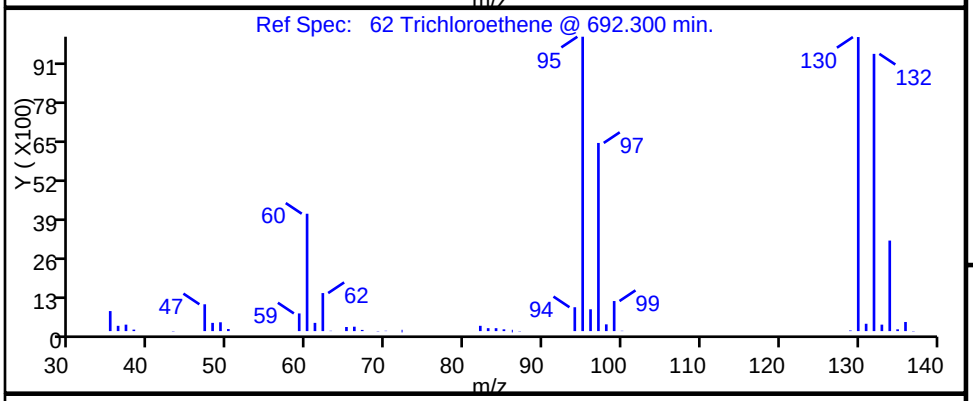
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6399.D

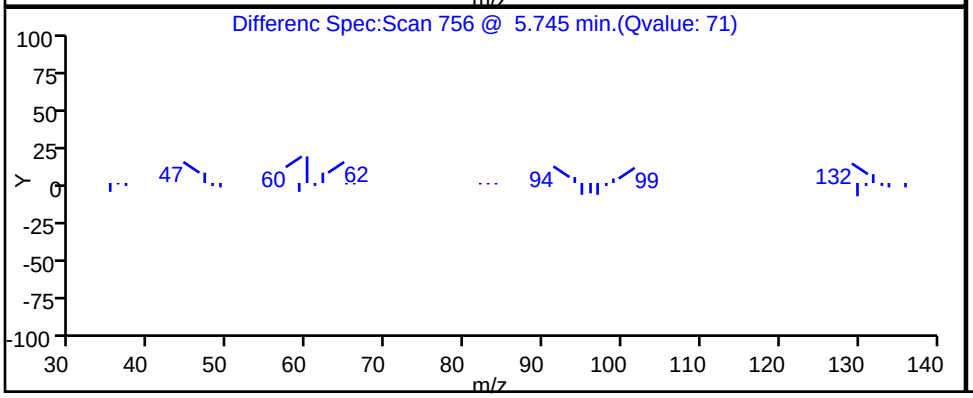
Injection Date:	21-Dec-2015 14:03:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-12-B	Lab Sample ID:	480-92332-12
Client ID:	B14-AREA2-S1		
Operator ID:	gtg	ALS Bottle#:	42 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	5.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

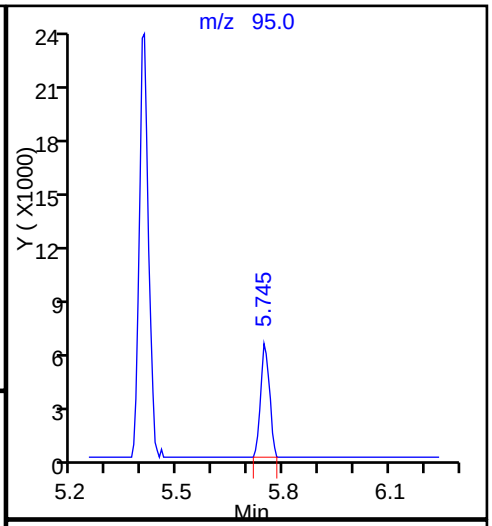
62 Trichloroethene, CAS: 79-01-6

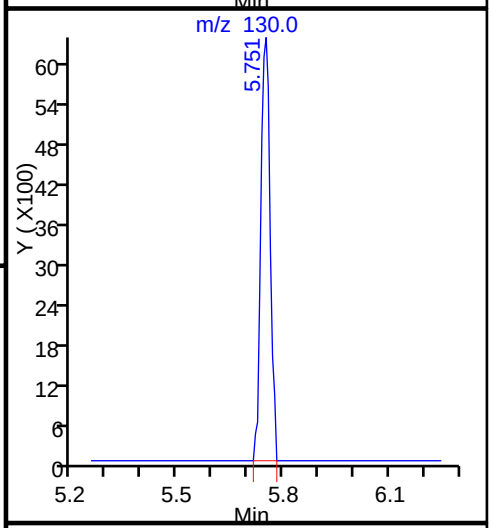


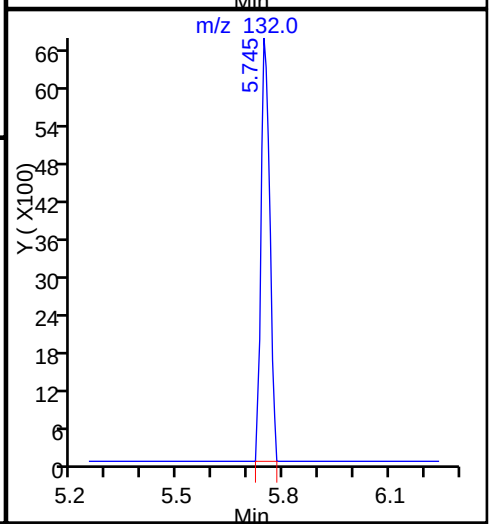












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B14-AREA2-S2 | Lab Sample ID: 480-92332-13

Matrix: Solid | Lab File ID: P2385.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:05

Sample wt/vol: 0.51(g) | Date Analyzed: 12/15/2015 19:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 19.0 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		61	4.4
79-34-5	1,1,2,2-Tetrachloroethane	ND		61	9.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		61	14
79-00-5	1,1,2-Trichloroethane	ND		61	7.9
75-34-3	1,1-Dichloroethane	ND		61	7.4
75-35-4	1,1-Dichloroethene	ND		61	7.4
120-82-1	1,2,4-Trichlorobenzene	ND		61	3.7
96-12-8	1,2-Dibromo-3-Chloropropane	ND		61	30
106-93-4	1,2-Dibromoethane	ND		61	7.8
95-50-1	1,2-Dichlorobenzene	ND		61	4.7
107-06-2	1,2-Dichloroethane	ND		61	3.0
78-87-5	1,2-Dichloropropane	ND		61	30
541-73-1	1,3-Dichlorobenzene	ND		61	3.1
106-46-7	1,4-Dichlorobenzene	ND		61	8.5
78-93-3	2-Butanone (MEK)	ND		300	22
591-78-6	2-Hexanone	ND		300	30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		300	20
67-64-1	Acetone	ND		300	51
71-43-2	Benzene	ND		61	3.0
75-27-4	Bromodichloromethane	ND		61	8.1
75-25-2	Bromoform	ND		61	30
74-83-9	Bromomethane	ND		61	5.4
75-15-0	Carbon disulfide	ND		61	30
56-23-5	Carbon tetrachloride	ND		61	5.9
108-90-7	Chlorobenzene	ND		61	8.0
75-00-3	Chloroethane	ND		61	14
67-66-3	Chloroform	ND		61	3.7
74-87-3	Chloromethane	ND		61	3.7
156-59-2	cis-1,2-Dichloroethene	68		61	7.7
10061-01-5	cis-1,3-Dichloropropene	ND		61	8.7
110-82-7	Cyclohexane	ND		61	8.5
124-48-1	Dibromochloromethane	ND		61	7.7
75-71-8	Dichlorodifluoromethane	ND		61	5.0
100-41-4	Ethylbenzene	ND		61	4.2
98-82-8	Isopropylbenzene	ND		61	9.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B14-AREA2-S2 | Lab Sample ID: 480-92332-13

Matrix: Solid | Lab File ID: P2385.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:05

Sample wt/vol: 0.51(g) | Date Analyzed: 12/15/2015 19:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 19.0 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		61	37
1634-04-4	Methyl tert-butyl ether	ND		61	5.9
108-87-2	Methylcyclohexane	ND		61	9.2
75-09-2	Methylene Chloride	ND		61	28
100-42-5	Styrene	ND		61	3.0
127-18-4	Tetrachloroethene	810		61	8.1
108-88-3	Toluene	8.2	J	61	4.6
156-60-5	trans-1,2-Dichloroethene	ND		61	6.2
10061-02-6	trans-1,3-Dichloropropene	ND		61	27
79-01-6	Trichloroethene	280		61	13
75-69-4	Trichlorofluoromethane	ND		61	5.7
75-01-4	Vinyl chloride	ND		61	7.4
1330-20-7	Xylenes, Total	ND		120	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	78		72-126
2037-26-5	Toluene-d8 (Surr)	107		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2385.D
Lims ID: 480-92332-A-13-B Lab Sample ID: 480-92332-13
Client ID: B14-AREA2-S2
Sample Type: Client
Inject. Date: 15-Dec-2015 19:26:30 ALS Bottle#: 9 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-13-B
Misc. Info.: 480-0049245-015
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 09:10:59 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: diasn Date: 15-Dec-2015 19:54:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	331818	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	605934	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	380942	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	262985	51.3	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	94	1421688	53.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	95	361388	39.1	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.408	6.390	0.018	93	5256	1.38	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.773	6.773	0.000	75	11461	0.3342	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	92	8441	0.4066	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	85	57228	5.65	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.357	10.350	0.006	95	227171	22.9	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	95	14573	0.6772	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	554599	67.1	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	13.952	13.946	0.006	96	8898	0.2386	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

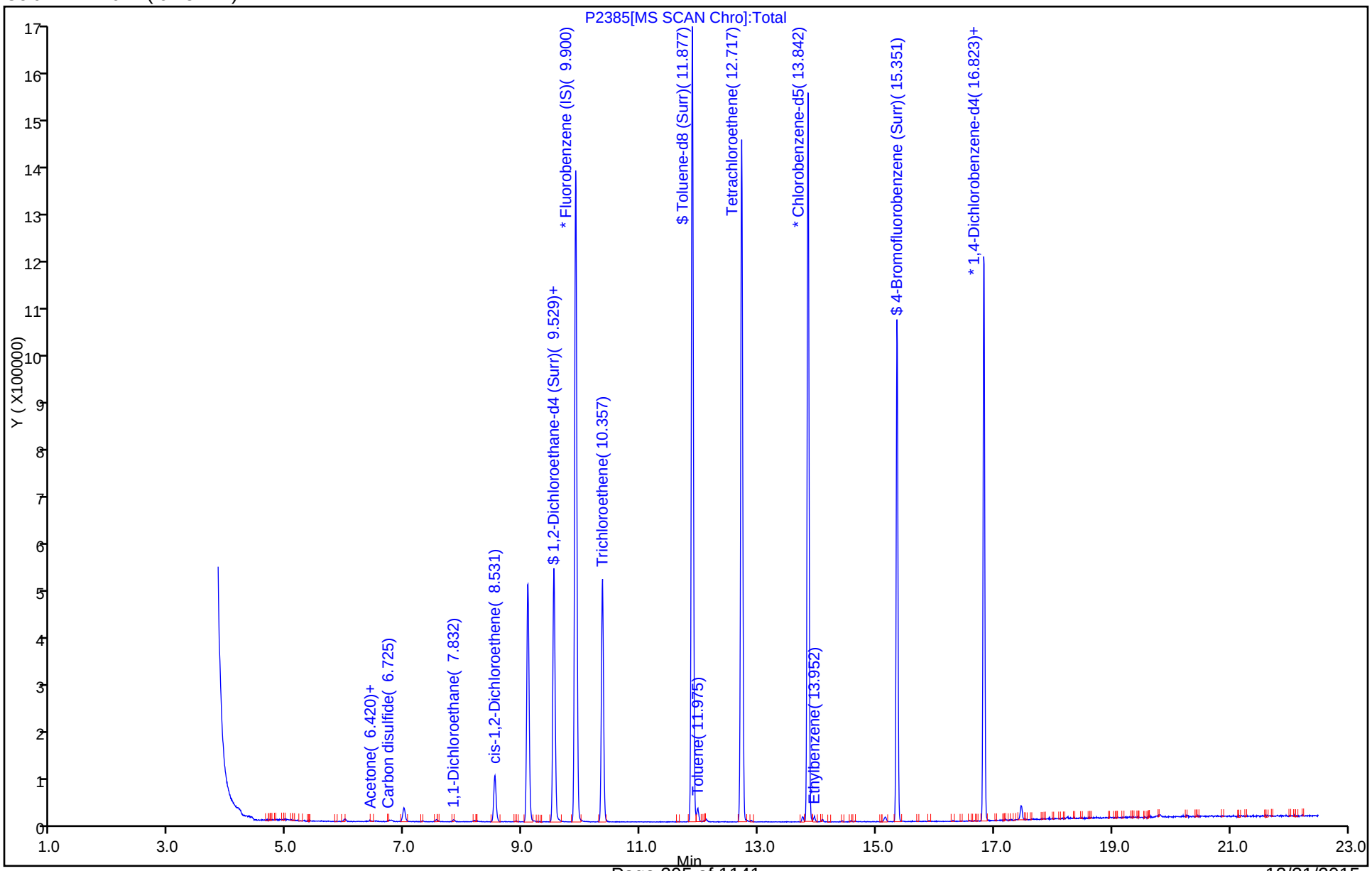
Report Date: 16-Dec-2015 09:11:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2385.D

Injection Date:	15-Dec-2015 19:26:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-13-B	Lab Sample ID:	480-92332-13	Worklist Smp#:	15
Client ID:	B14-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



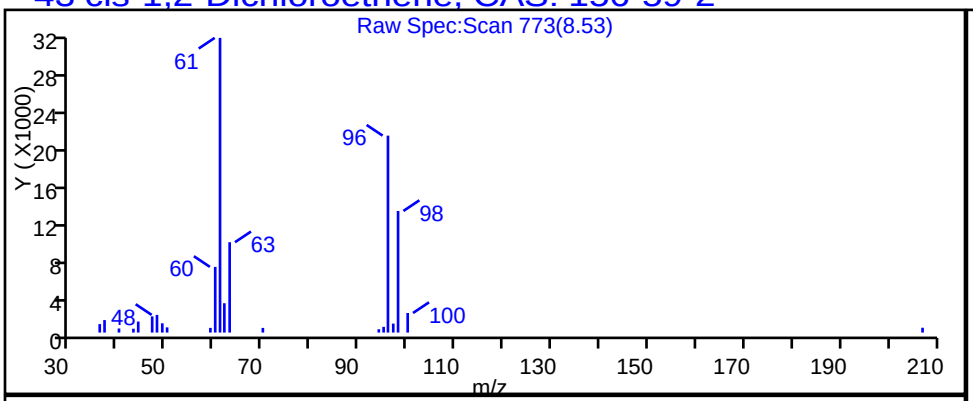
Report Date: 16-Dec-2015 09:11:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

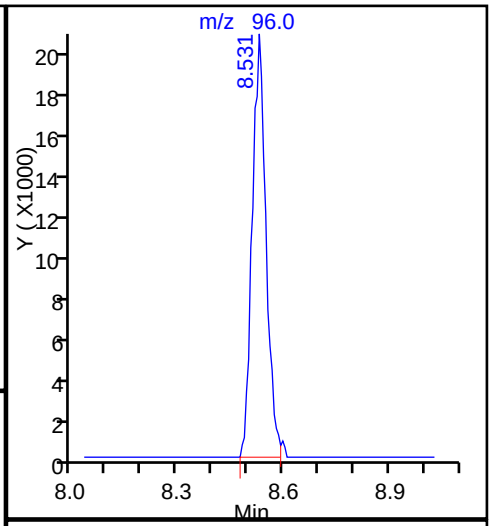
TestAmerica Buffalo

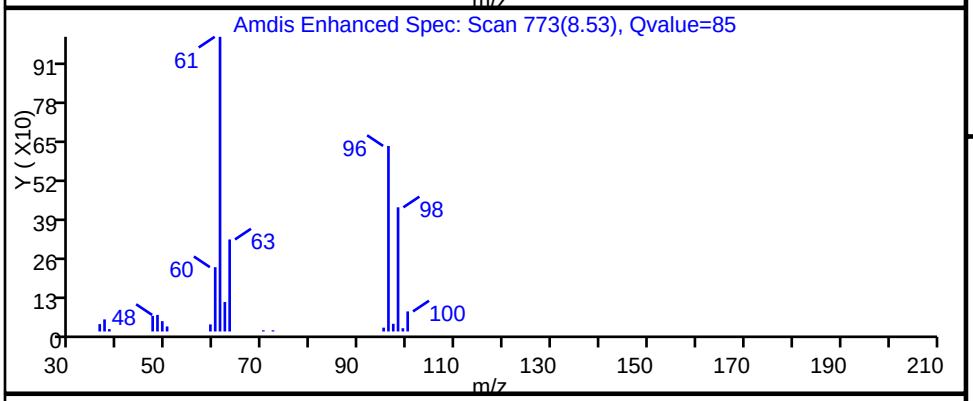
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2385.D

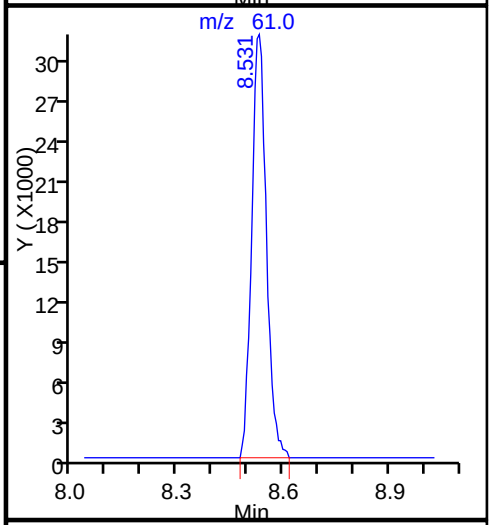
Injection Date:	15-Dec-2015 19:26:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-13-B	Lab Sample ID:	480-92332-13		
Client ID:	B14-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

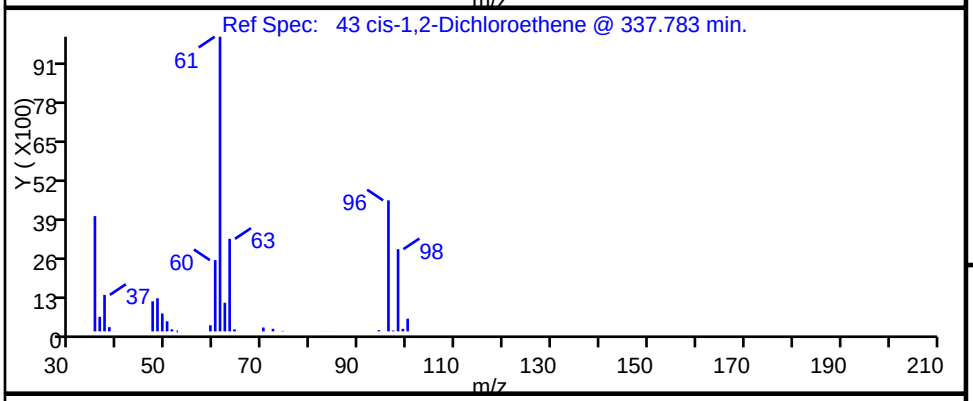
43 cis-1,2-Dichloroethene, CAS: 156-59-2

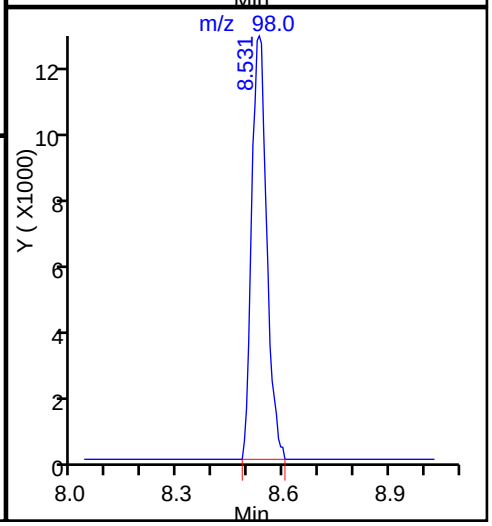


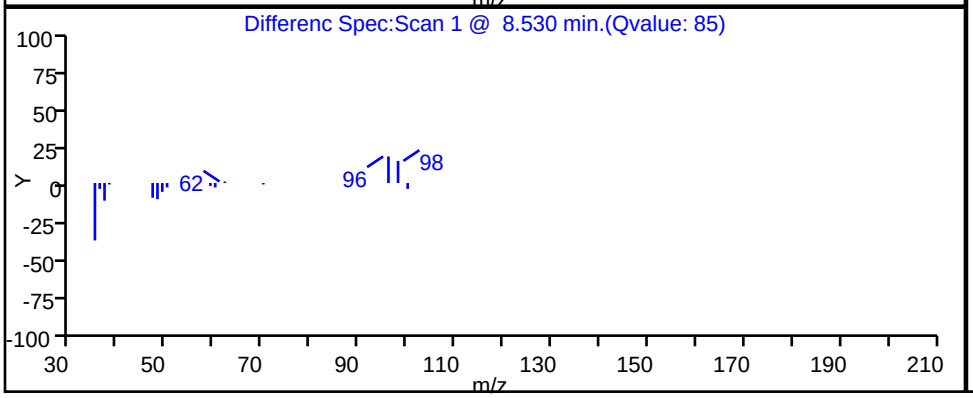










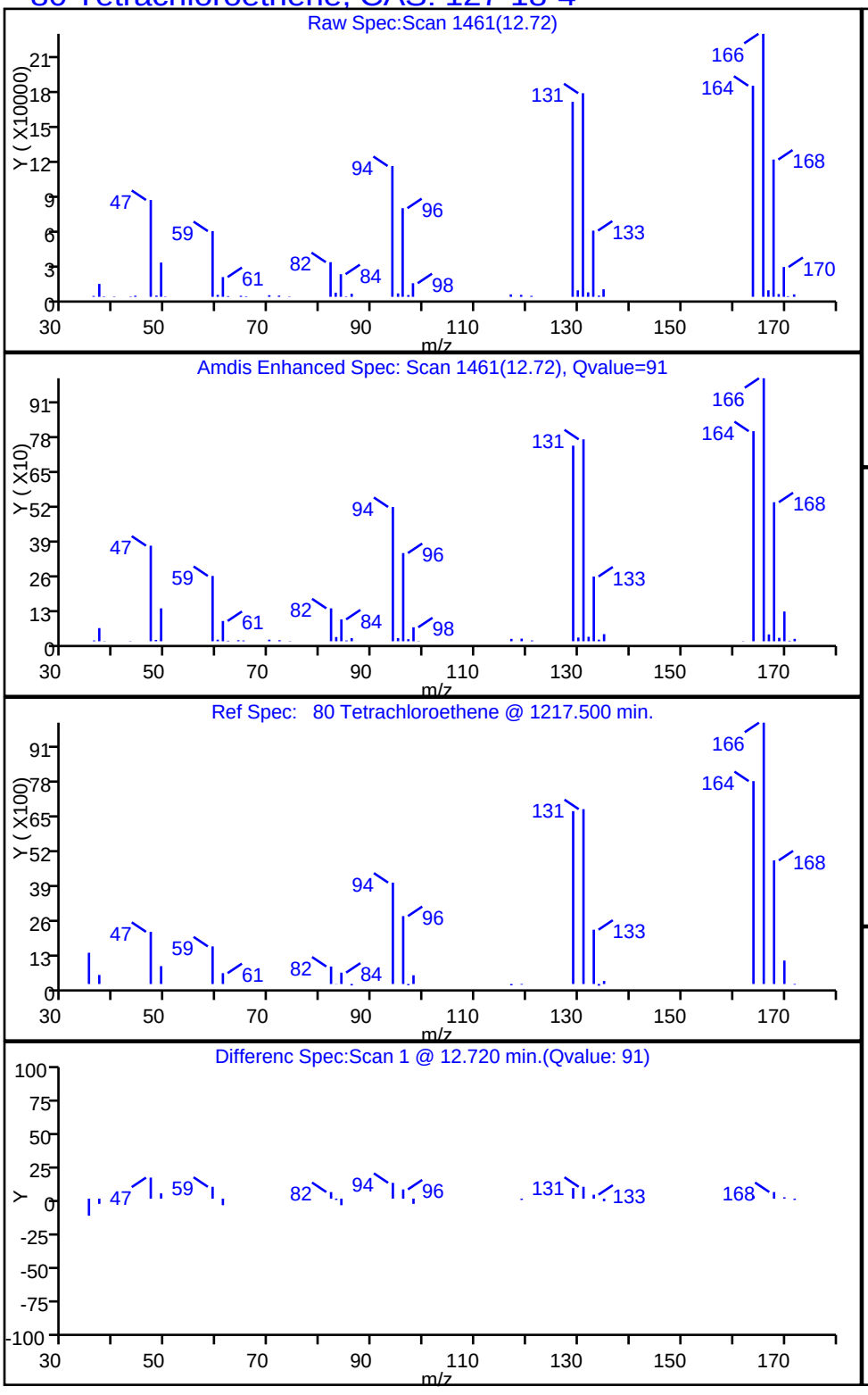


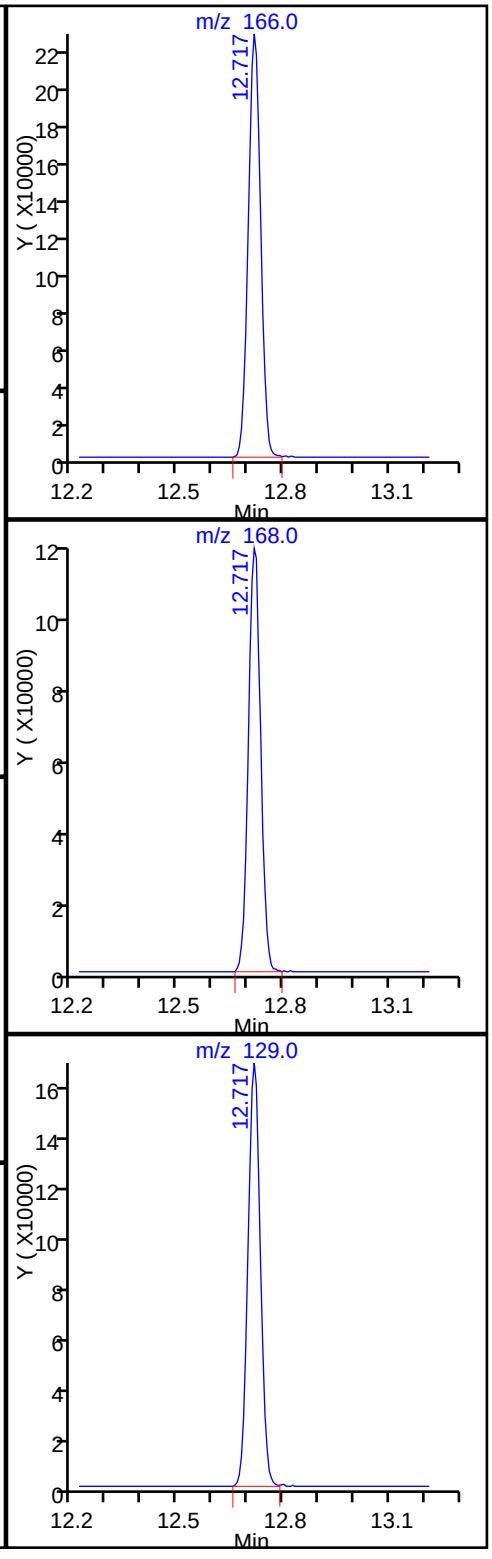
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2385.D

Injection Date:	15-Dec-2015 19:26:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-13-B	Lab Sample ID:	480-92332-13
Client ID:	B14-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	9 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

80 Tetrachloroethene, CAS: 127-18-4





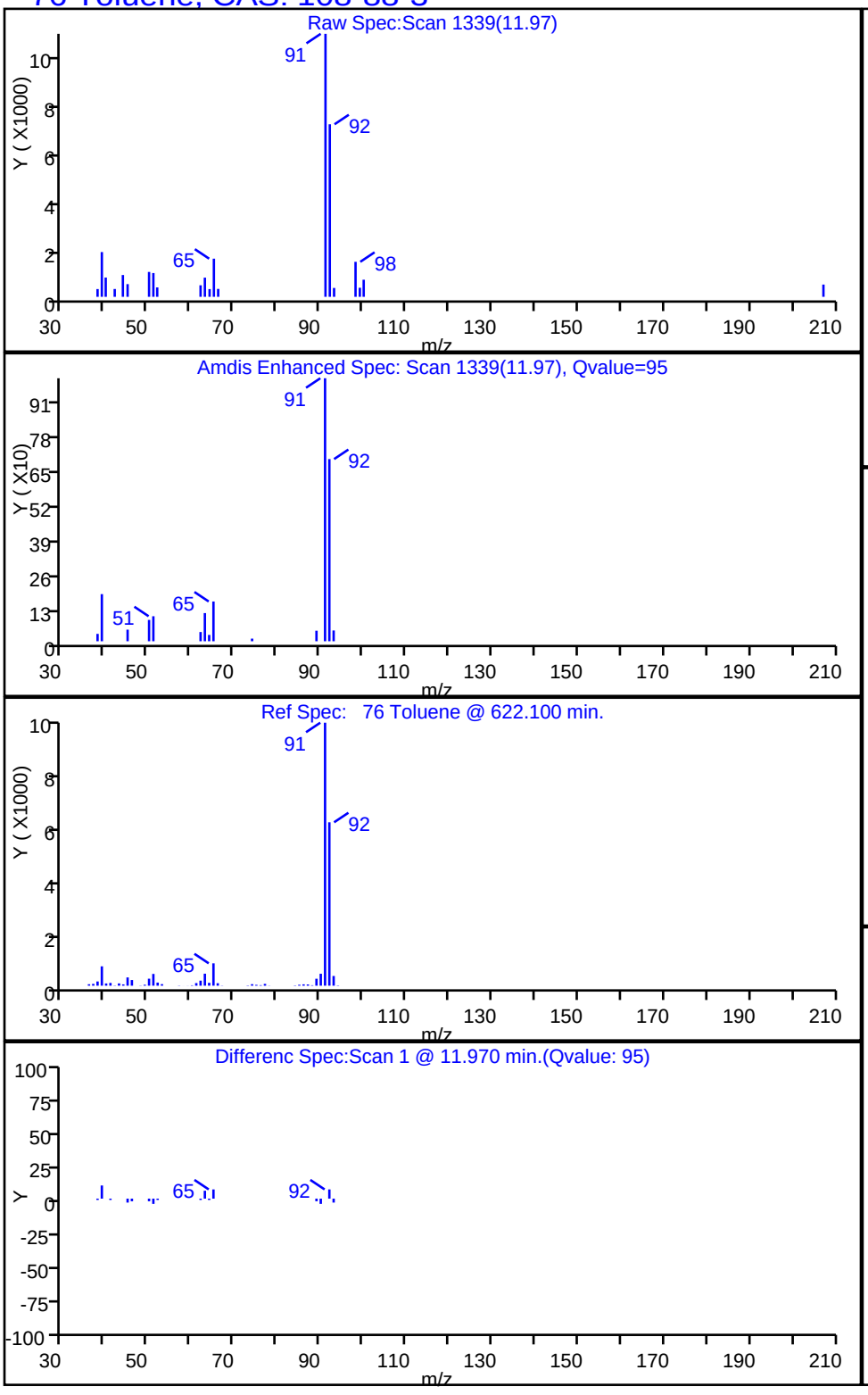
Report Date: 16-Dec-2015 09:11:01 Chrom Revision: 2.2 02-Dec-2015 11:51:48

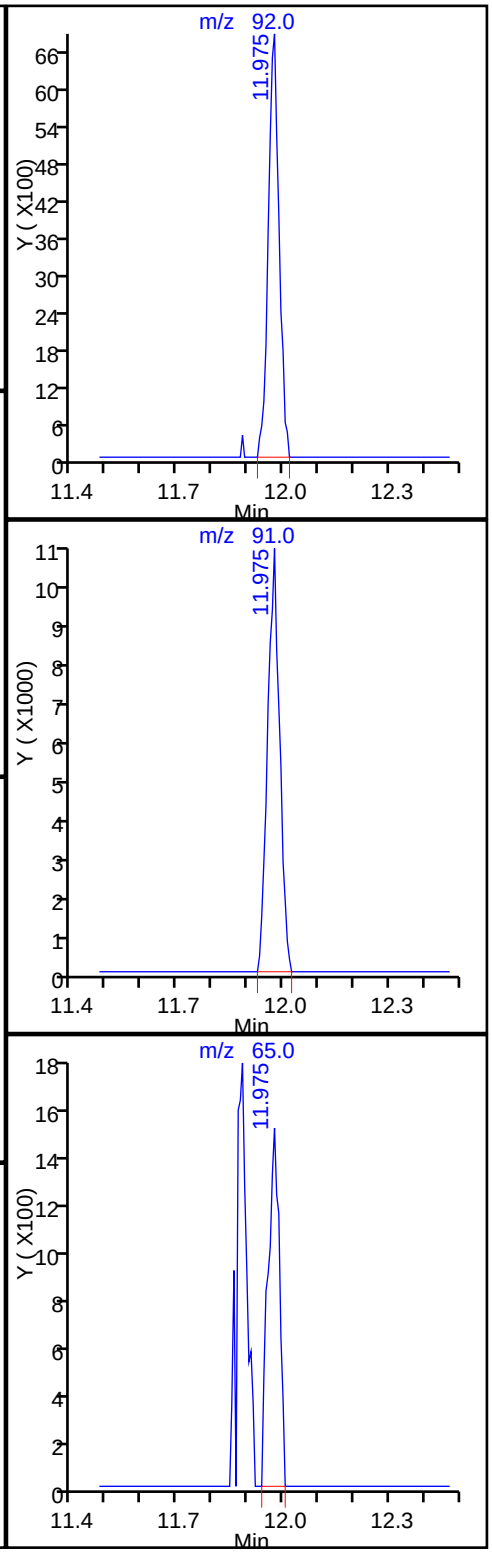
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2385.D

Injection Date:	15-Dec-2015 19:26:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-13-B	Lab Sample ID:	480-92332-13		
Client ID:	B14-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

76 Toluene, CAS: 108-88-3





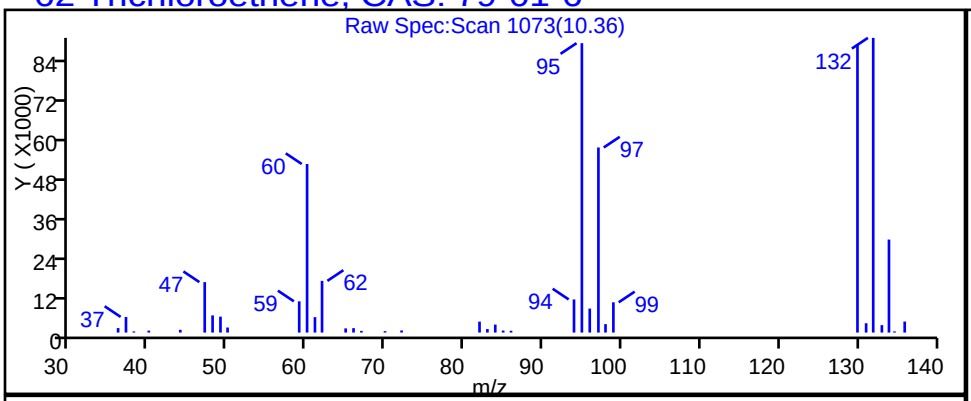
Report Date: 16-Dec-2015 09:11:01 Chrom Revision: 2.2 02-Dec-2015 11:51:48

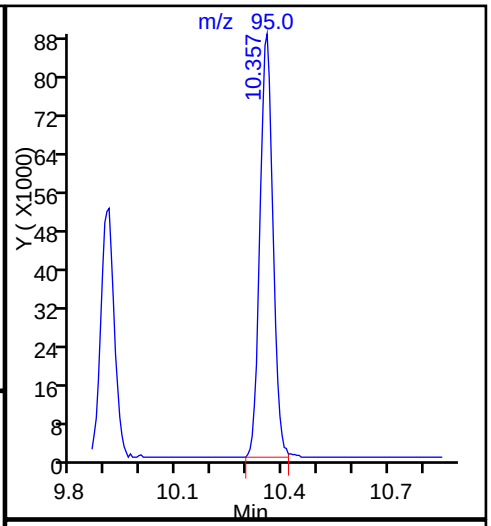
TestAmerica Buffalo

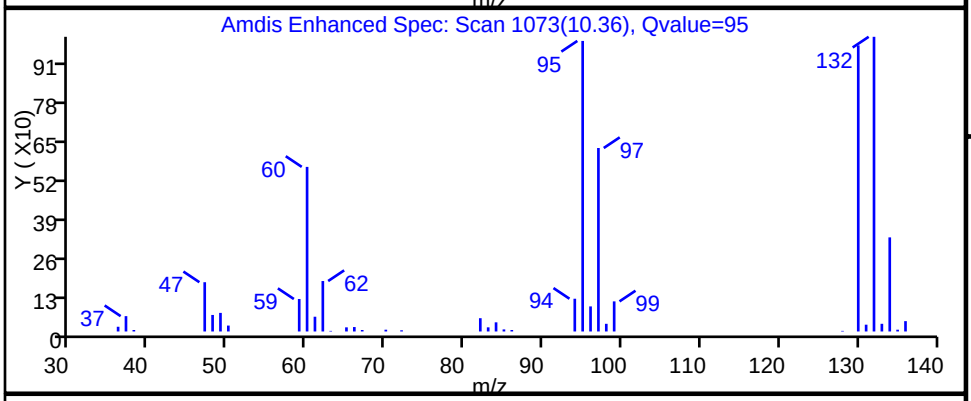
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2385.D

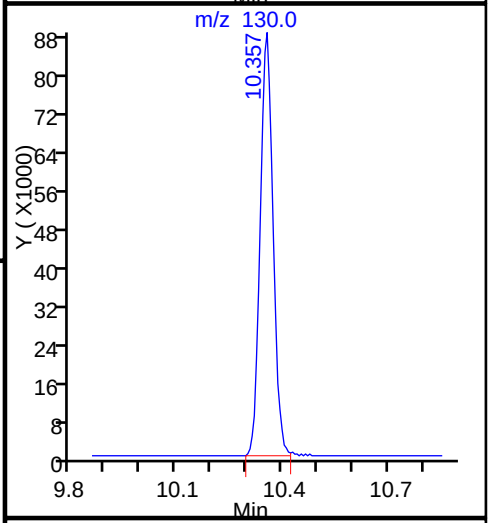
Injection Date:	15-Dec-2015 19:26:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-13-B	Lab Sample ID:	480-92332-13		
Client ID:	B14-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

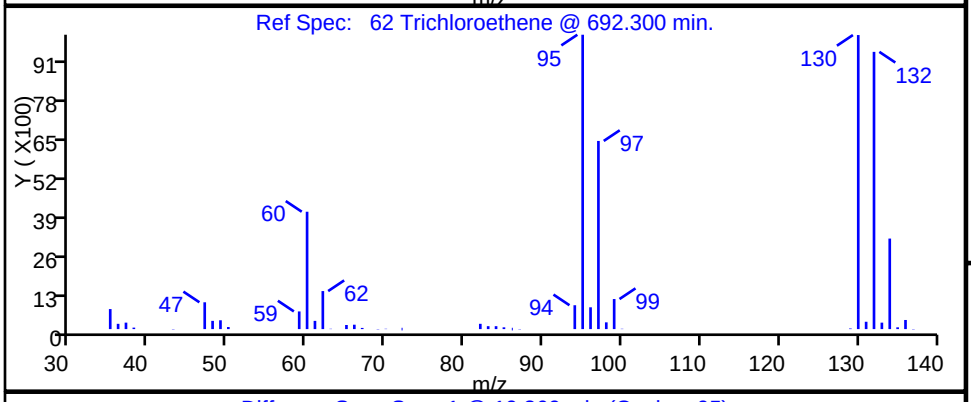
62 Trichloroethene, CAS: 79-01-6

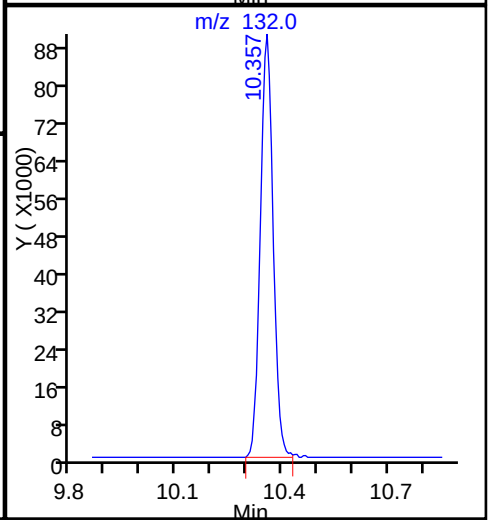


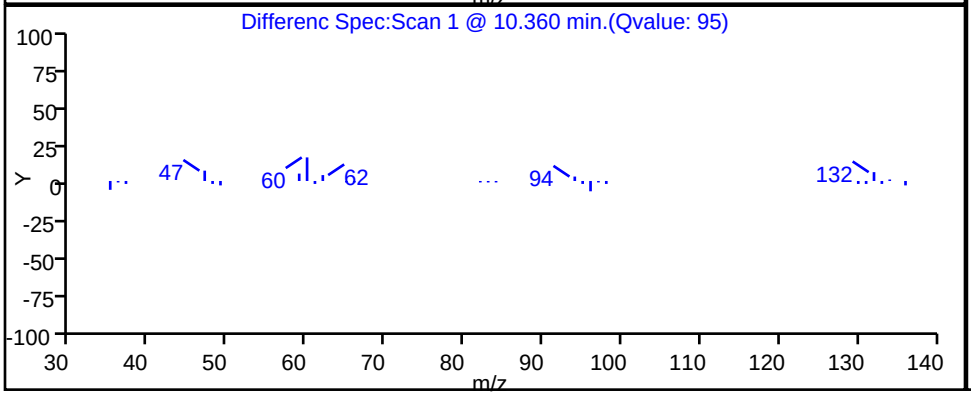












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 | Lab Sample ID: 480-92332-14

Matrix: Solid | Lab File ID: P2368.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.03(g) | Date Analyzed: 12/15/2015 10:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND		5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.3	2.7
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND		5.3	0.42
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.3	0.74
78-93-3	2-Butanone (MEK)	ND		27	1.9
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.7
67-64-1	Acetone	13	J B	27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.7
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.7
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	99		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.77
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	44		5.3	0.37
98-82-8	Isopropylbenzene	ND		5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 | Lab Sample ID: 480-92332-14

Matrix: Solid | Lab File ID: P2368.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.03(g) | Date Analyzed: 12/15/2015 10:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Low

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	ND		5.3	2.4
100-42-5	Styrene	ND		5.3	0.27
127-18-4	Tetrachloroethene	1600	E	5.3	0.71
108-88-3	Toluene	1.4	J	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	0.84	J	5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	370	E	5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	12		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	77		72-126
2037-26-5	Toluene-d8 (Surr)	102		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D
Lims ID: 480-92332-A-14-A Lab Sample ID: 480-92332-14
Client ID: B15-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 10:10:30 ALS Bottle#: 26 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-14-A
Misc. Info.: 480-0049221-025
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 15:08:29 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 15:07:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	279108	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	533730	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	301410	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	224341	52.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	94	1190047	51.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	314631	38.7	
10 Dichlorodifluoromethane	85		4.036				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	98	40246	12.6	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.779	6.773	0.006	98	23226	0.8051	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.297	7.303	-0.006	94	6216	0.7910	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.526	0.006	85	794835	93.3	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.351	10.351	0.000	92	2876671	345.2	E
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	96	25850	1.36	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.717	0.006	94	10787064	1482.1	E
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.885				ND	
89 Ethylbenzene	91	13.952	13.946	0.006	99	1346210	41.0	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	140400	10.1	
93 o-Xylene	106	14.639	14.633	0.006	97	9506	0.6783	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105	15.077	15.078	-0.001	95	11656	0.5457	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1				0		10.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

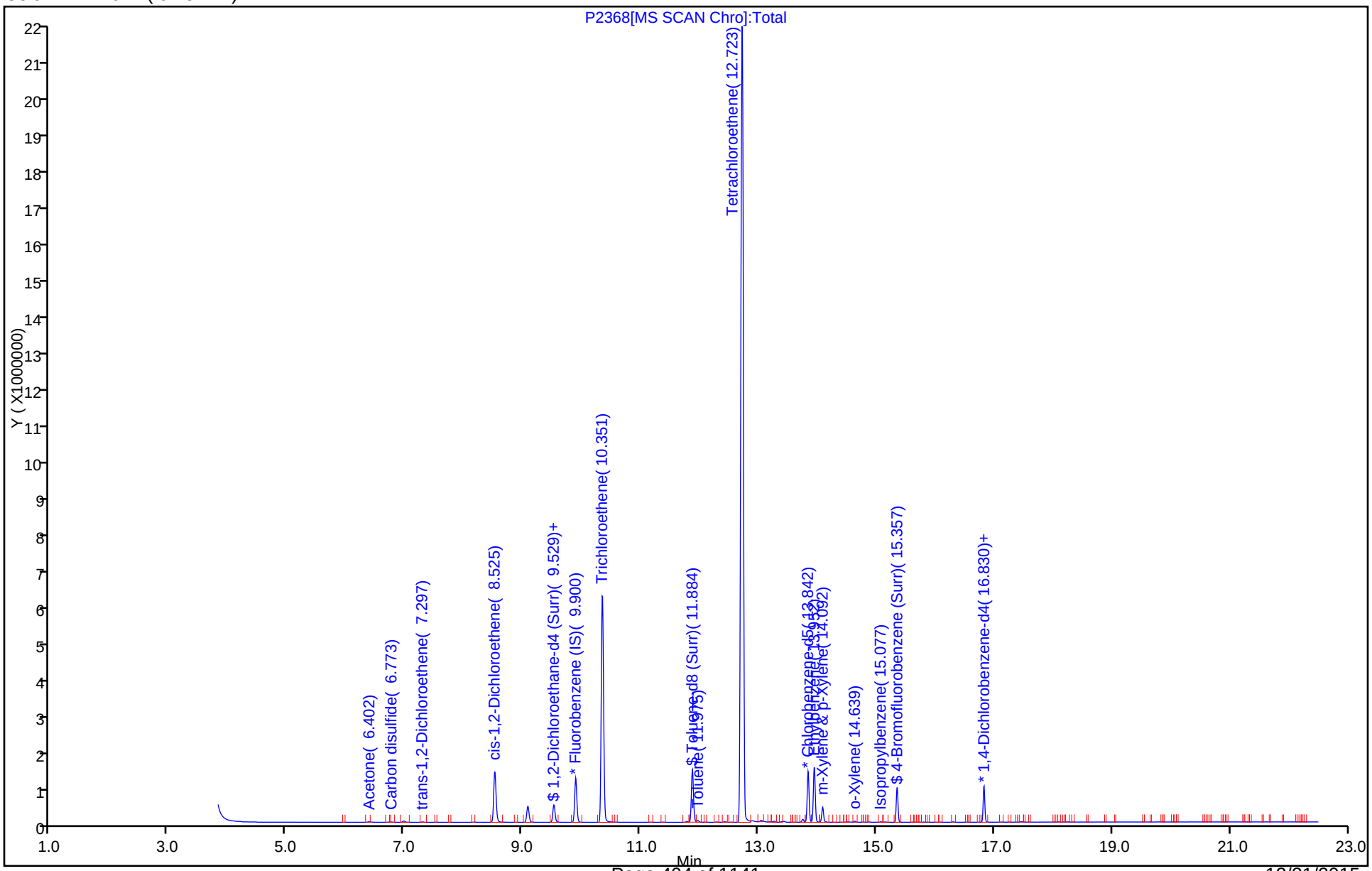
Report Date: 15-Dec-2015 15:11:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14	Worklist Smp#:	25
Client ID:	B15-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

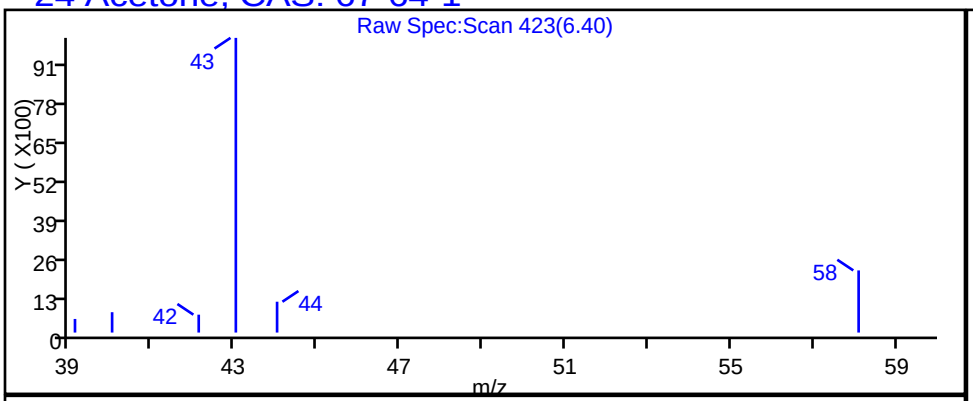


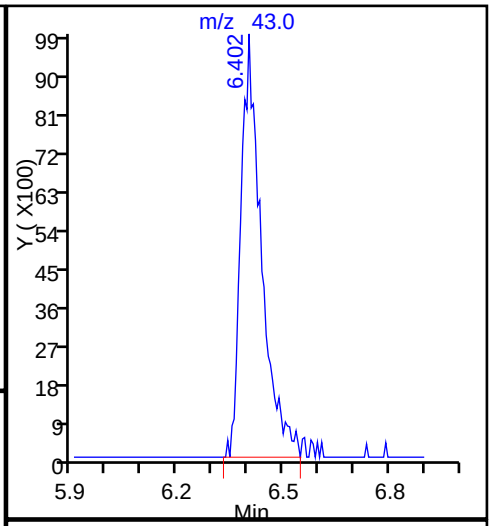
TestAmerica Buffalo

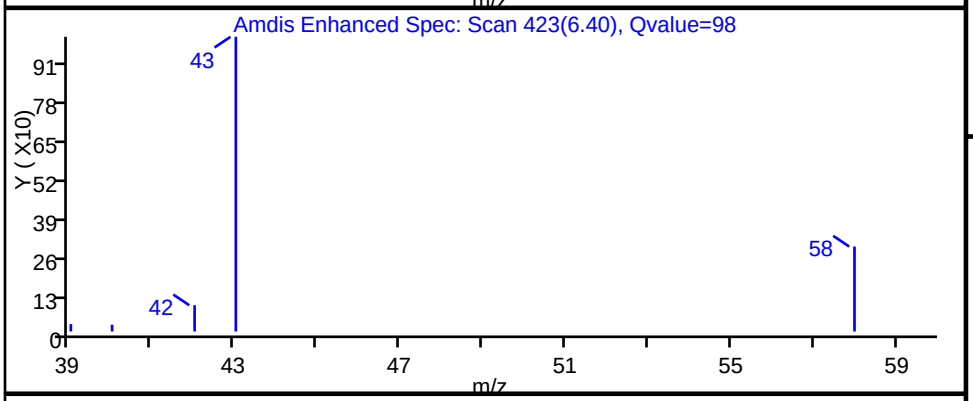
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

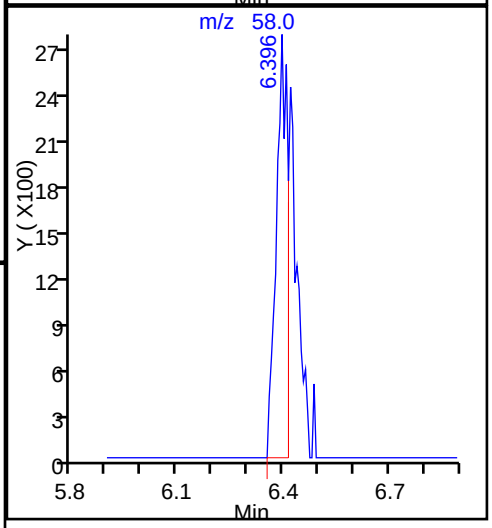
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

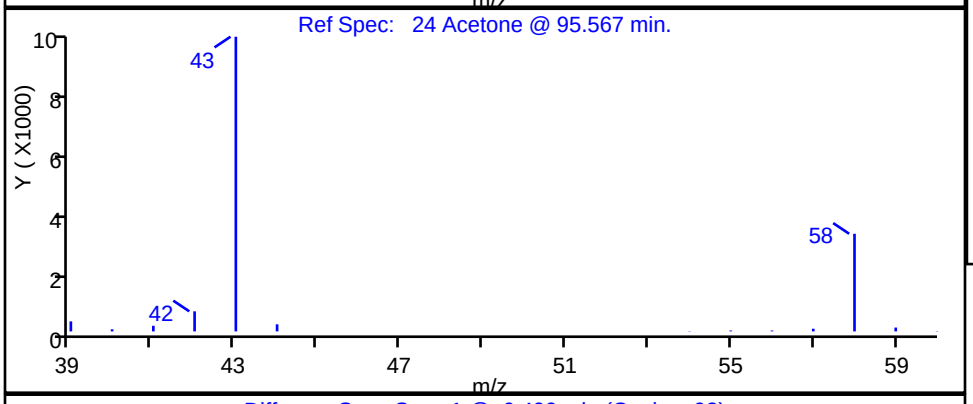
24 Acetone, CAS: 67-64-1

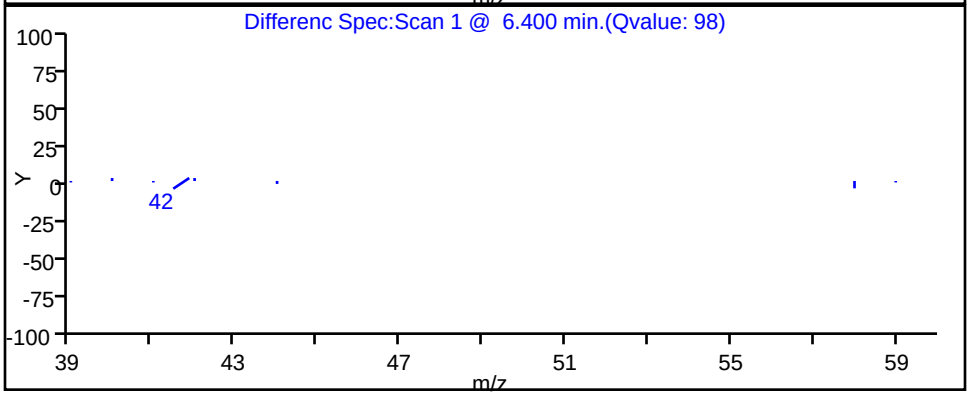












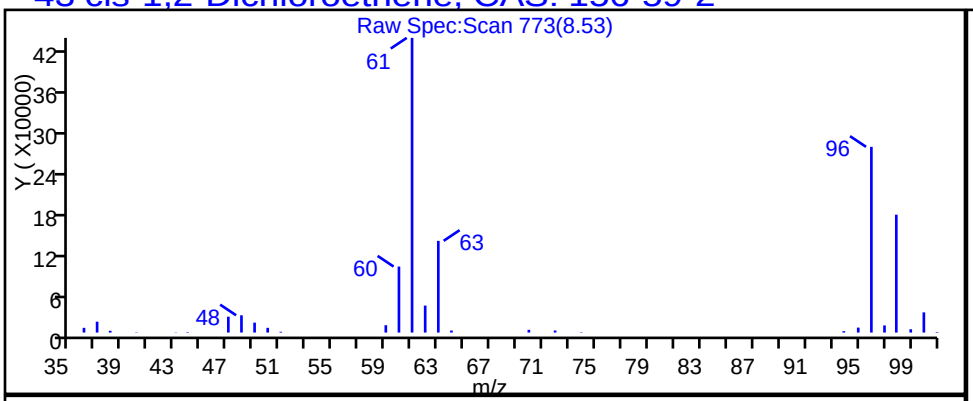
Report Date: 15-Dec-2015 15:11:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

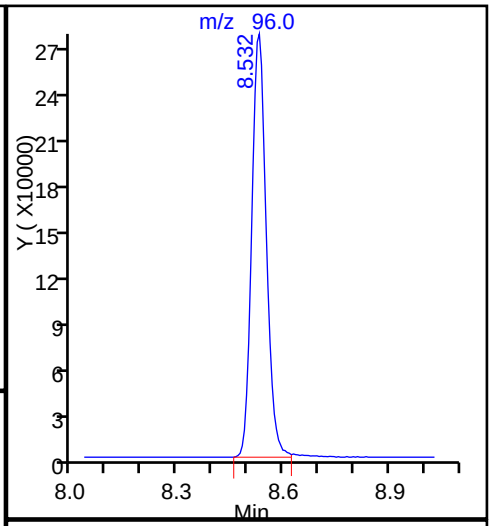
TestAmerica Buffalo

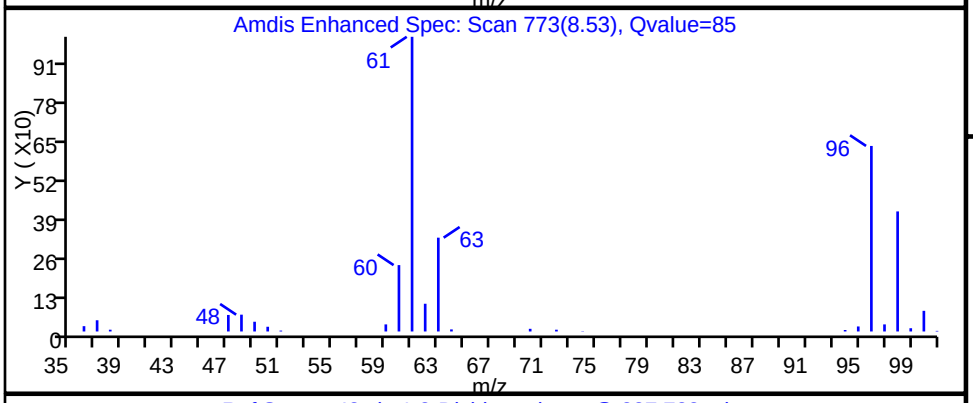
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

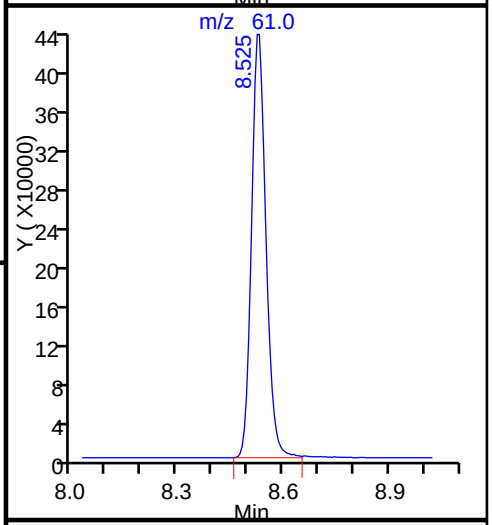
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

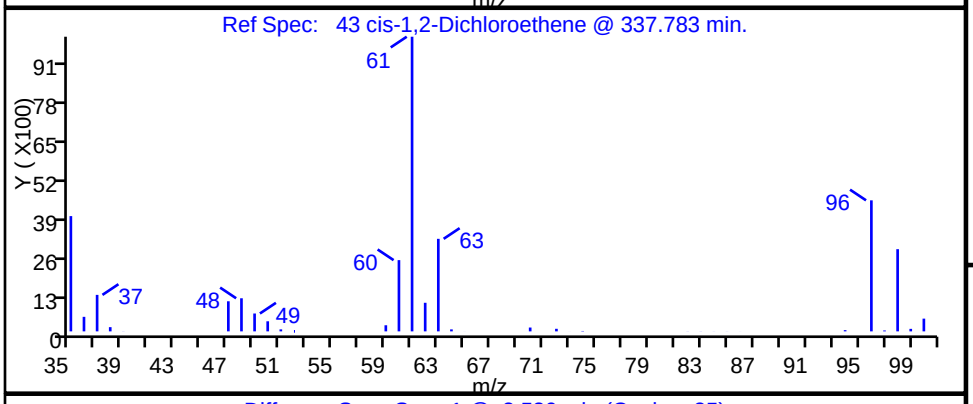
43 cis-1,2-Dichloroethene, CAS: 156-59-2

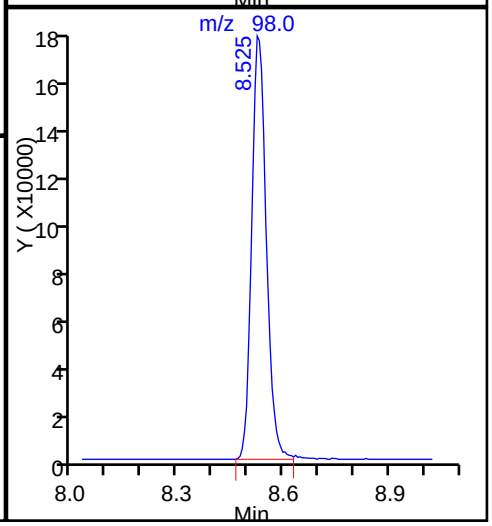


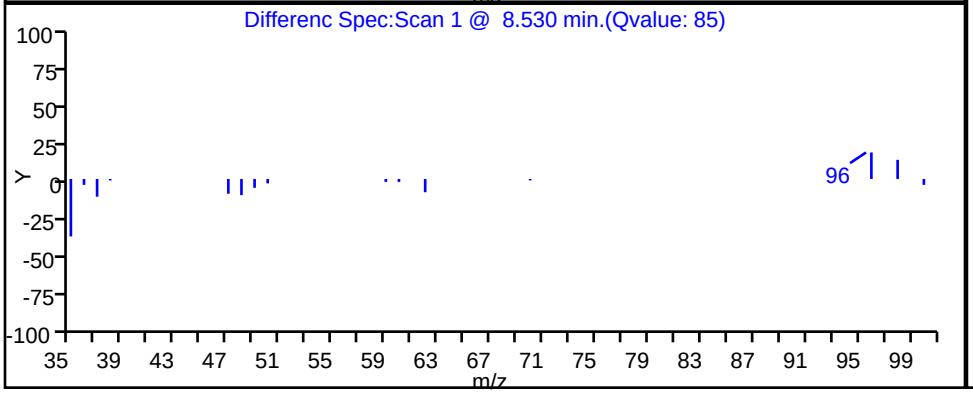












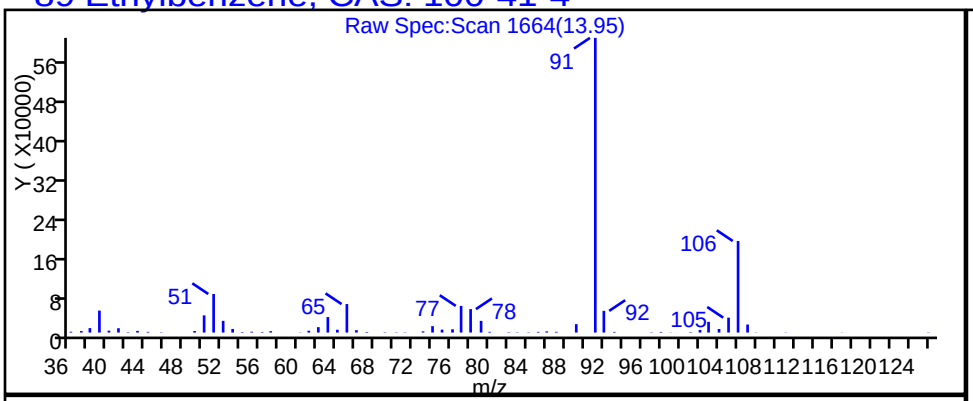
Report Date: 15-Dec-2015 15:11:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

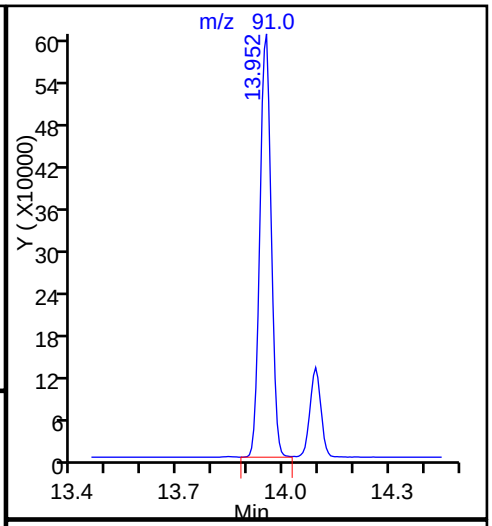
TestAmerica Buffalo

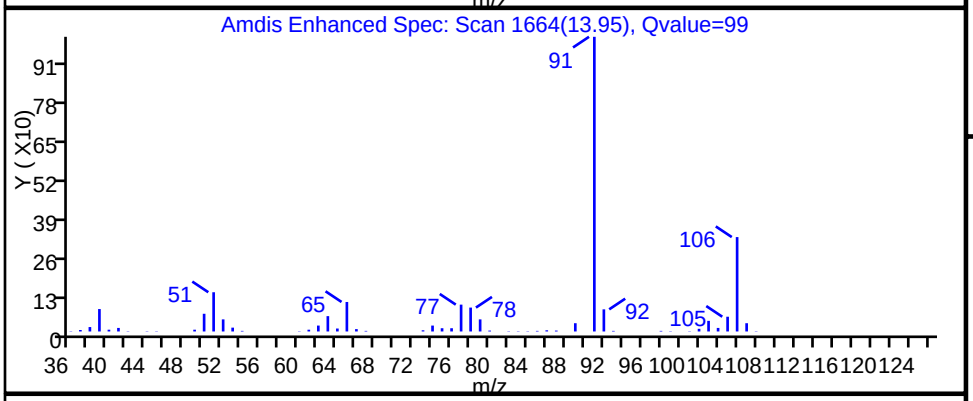
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

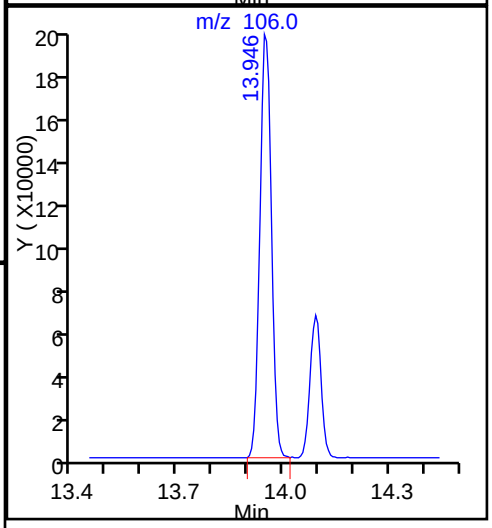
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

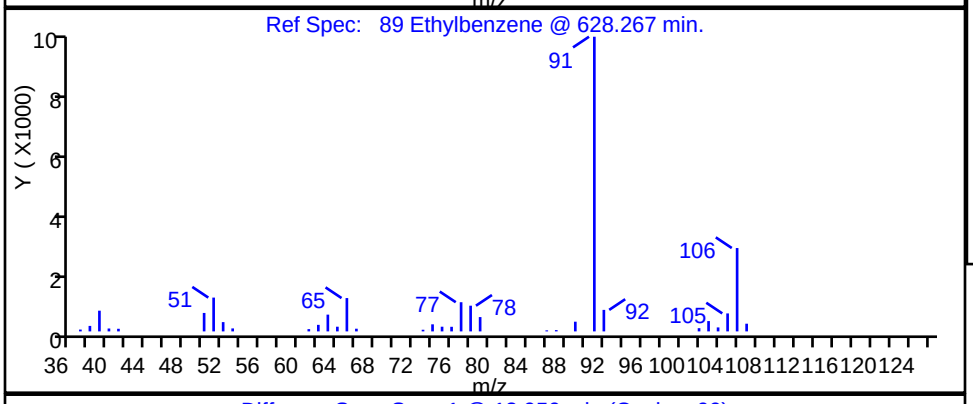
89 Ethylbenzene, CAS: 100-41-4

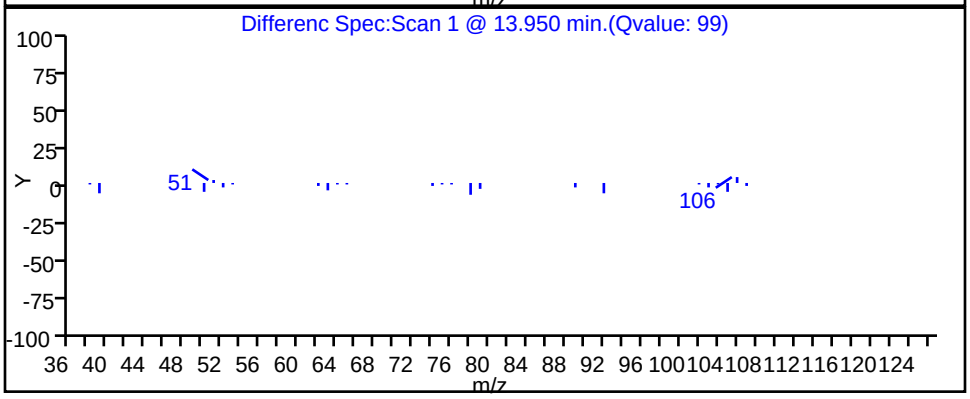








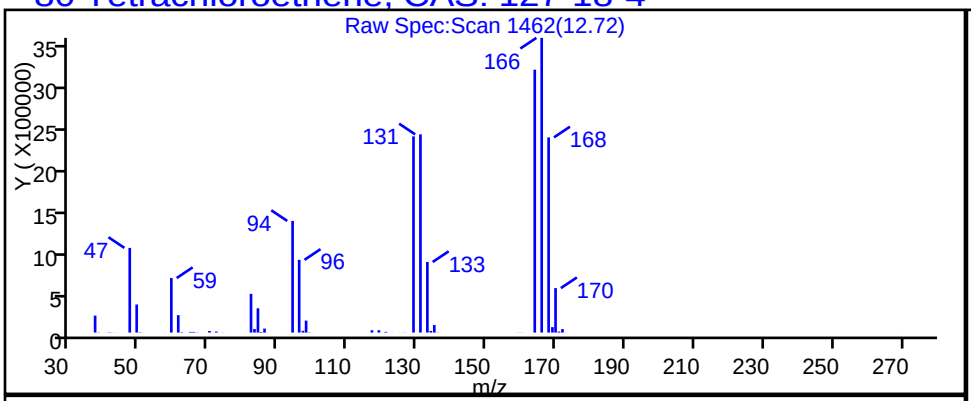


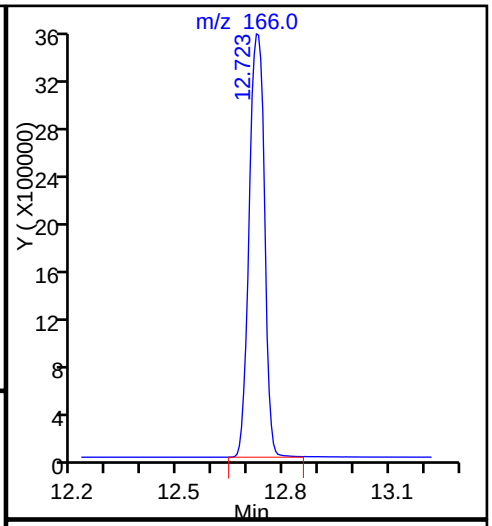


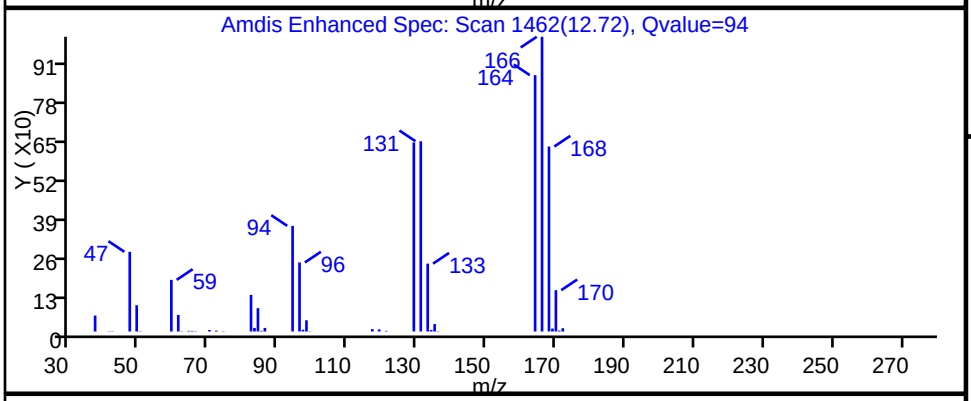
TestAmerica Buffalo

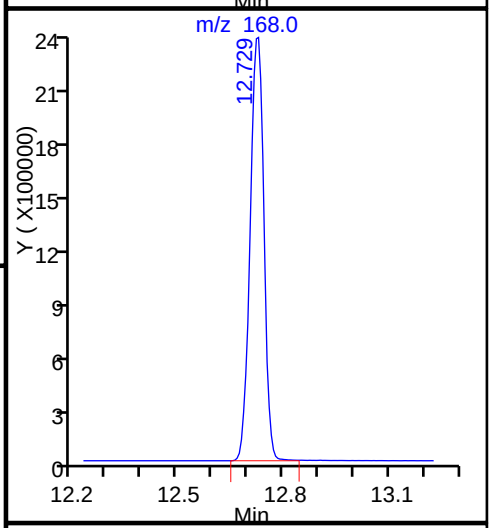
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D				
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

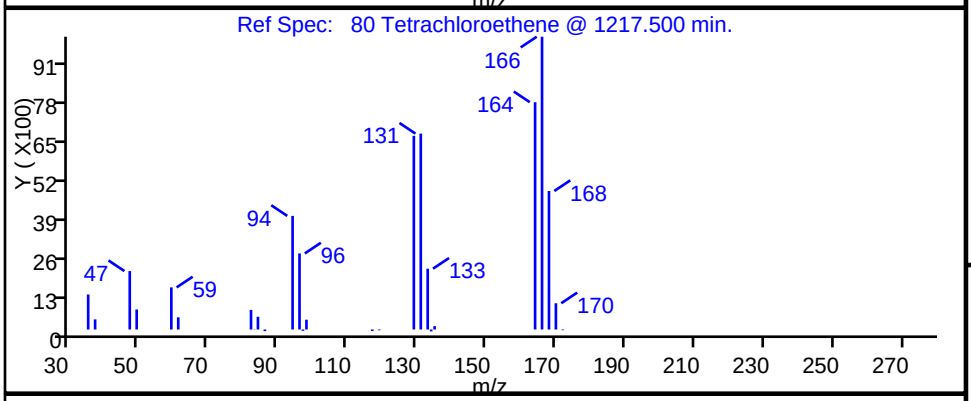
80 Tetrachloroethene, CAS: 127-18-4

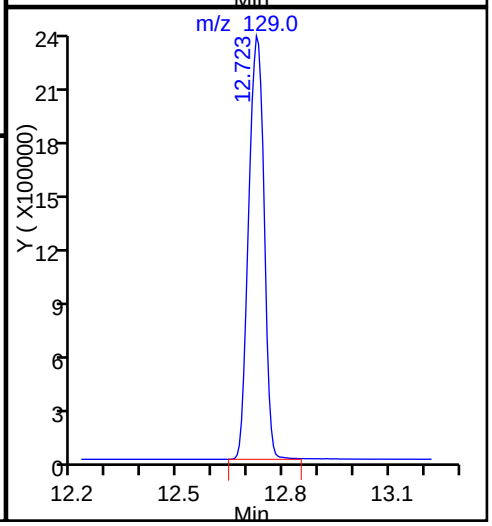


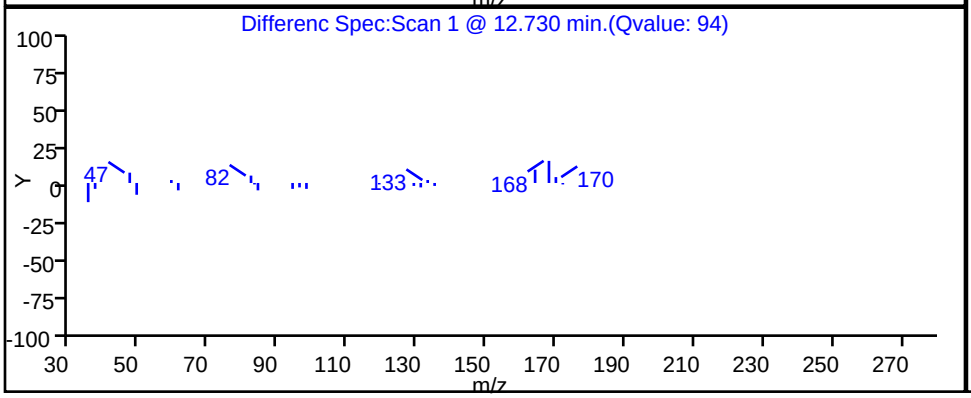












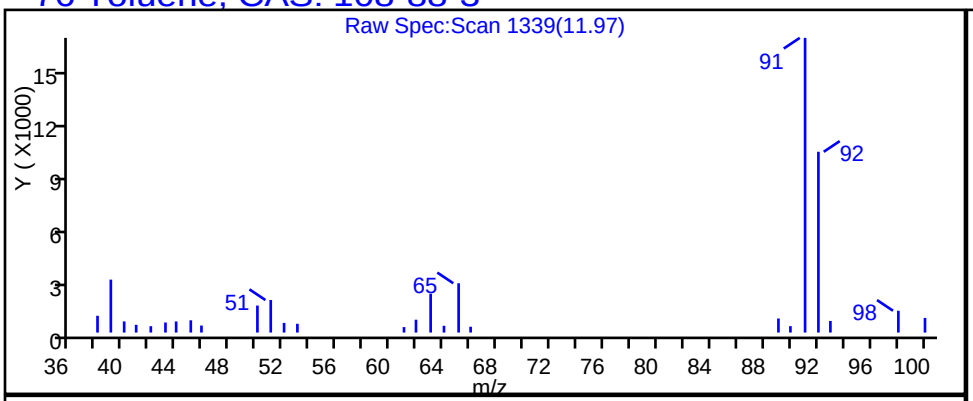
Report Date: 15-Dec-2015 15:11:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

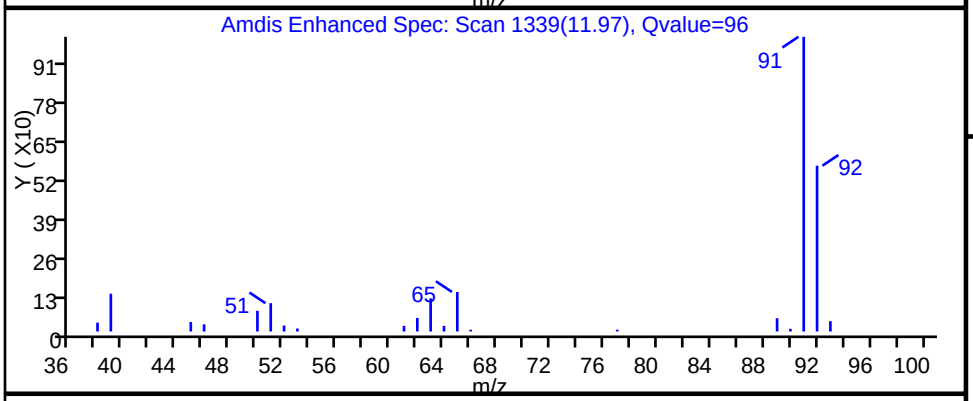
TestAmerica Buffalo

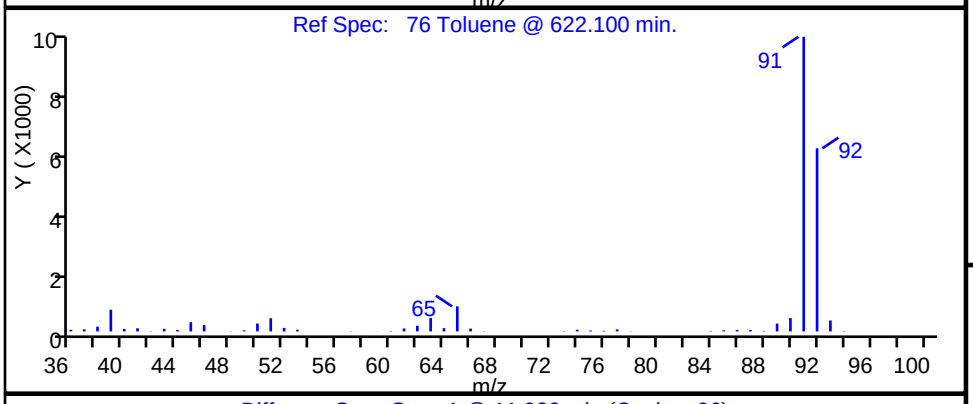
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

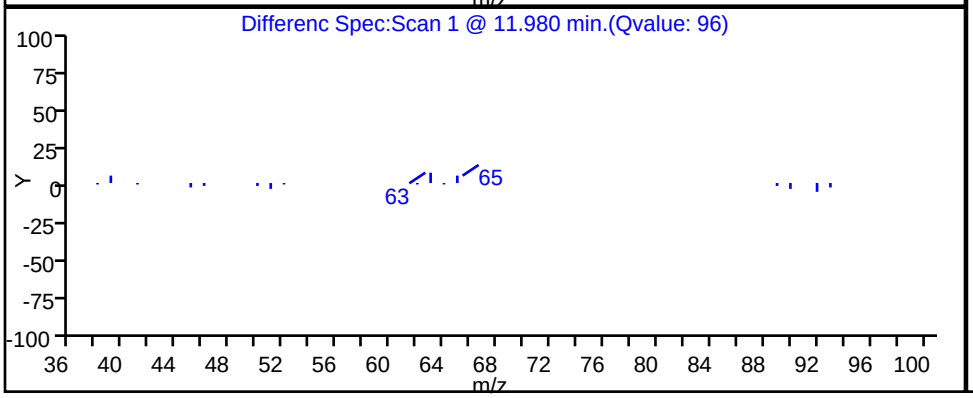
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

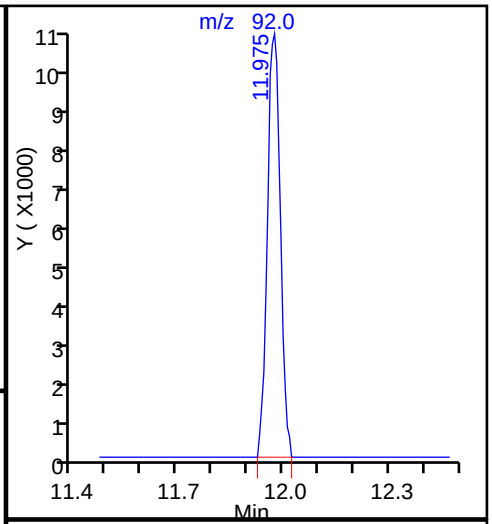
76 Toluene, CAS: 108-88-3

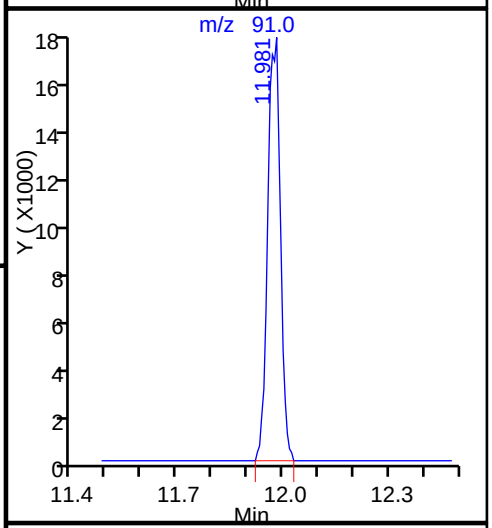


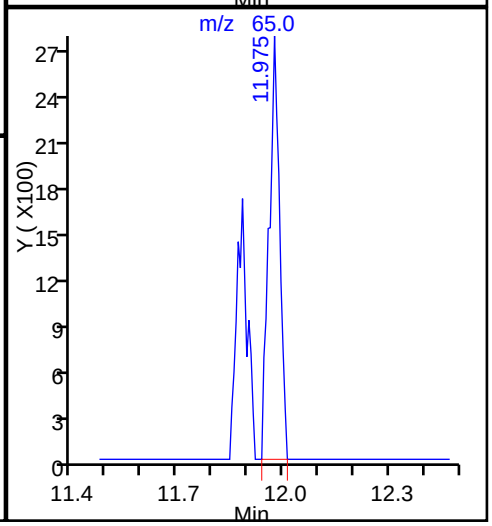












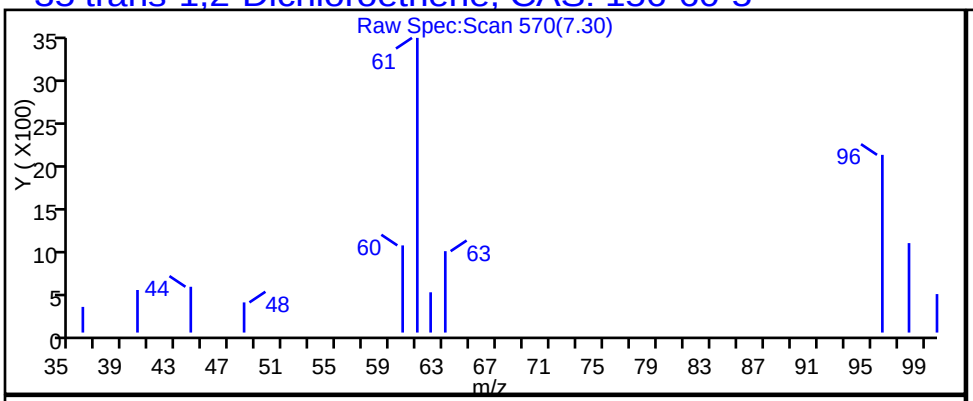
Report Date: 15-Dec-2015 15:11:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

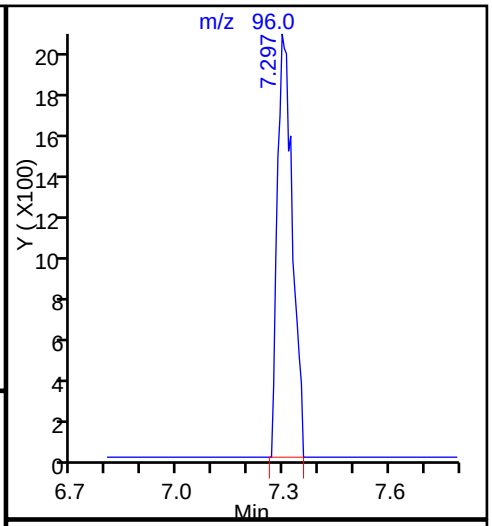
TestAmerica Buffalo

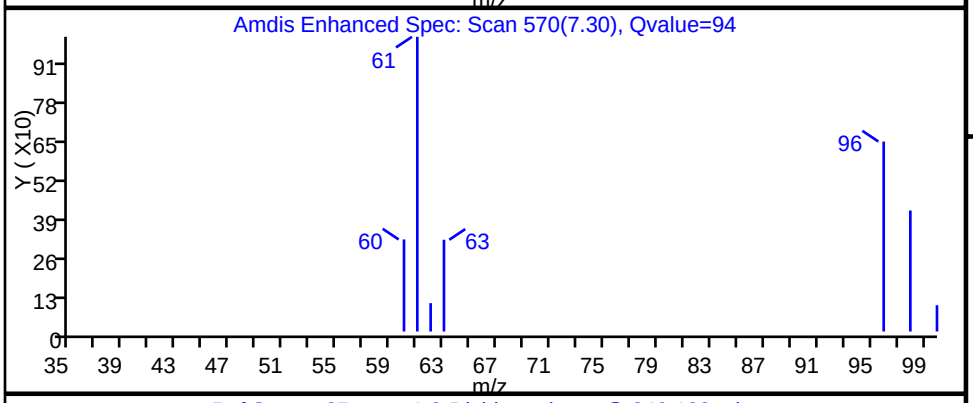
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

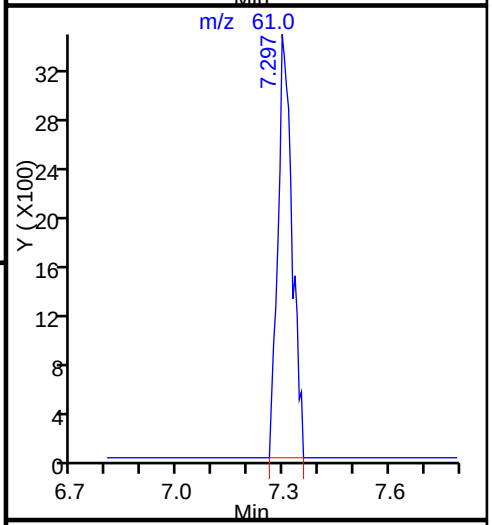
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

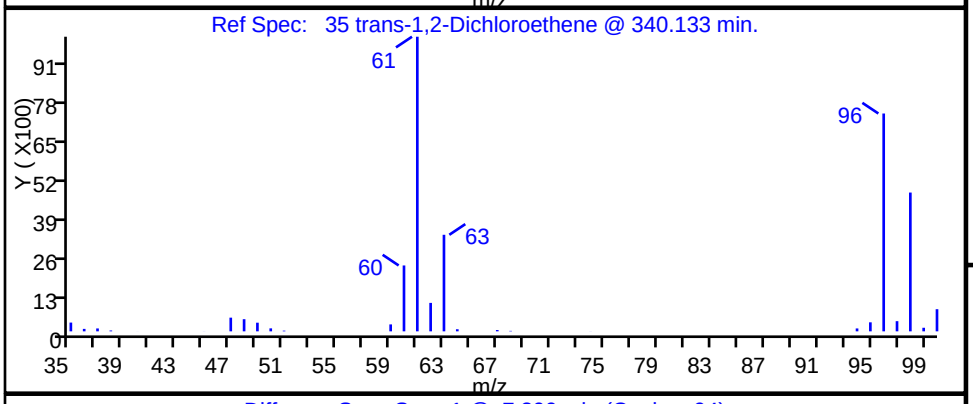
35 trans-1,2-Dichloroethene, CAS: 156-60-5

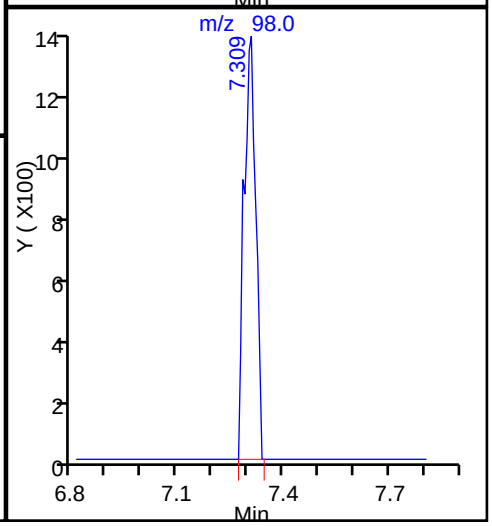


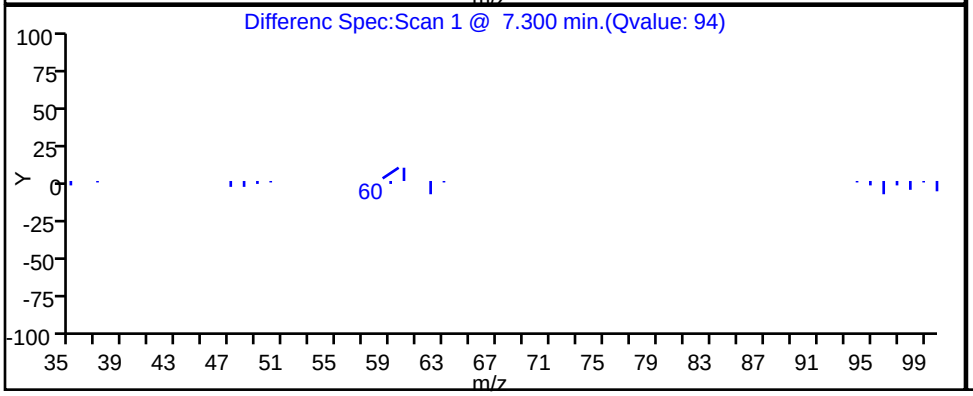












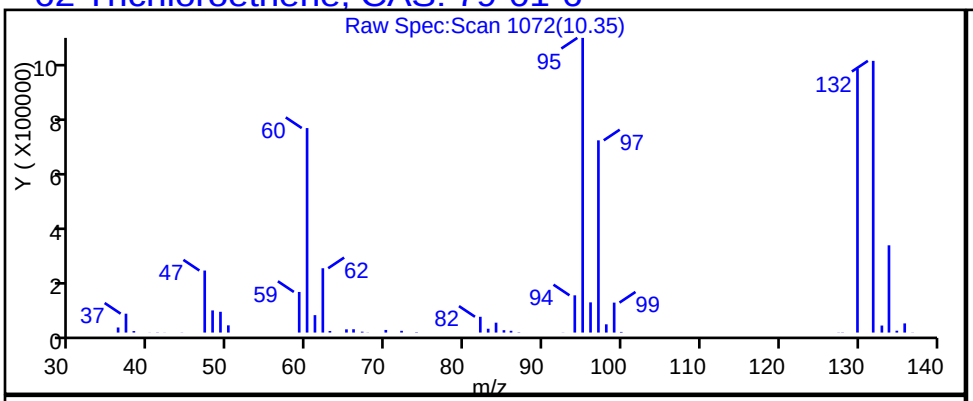
Report Date: 15-Dec-2015 15:11:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

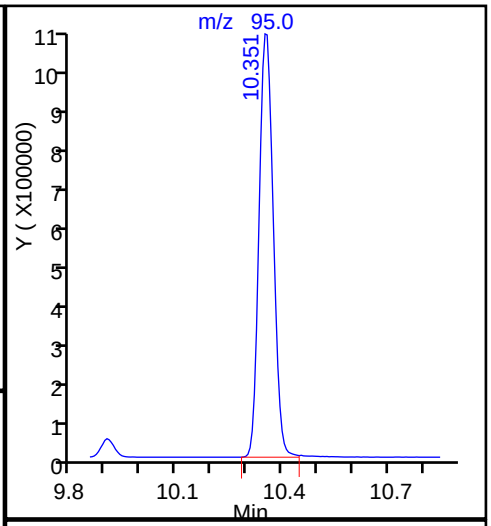
TestAmerica Buffalo

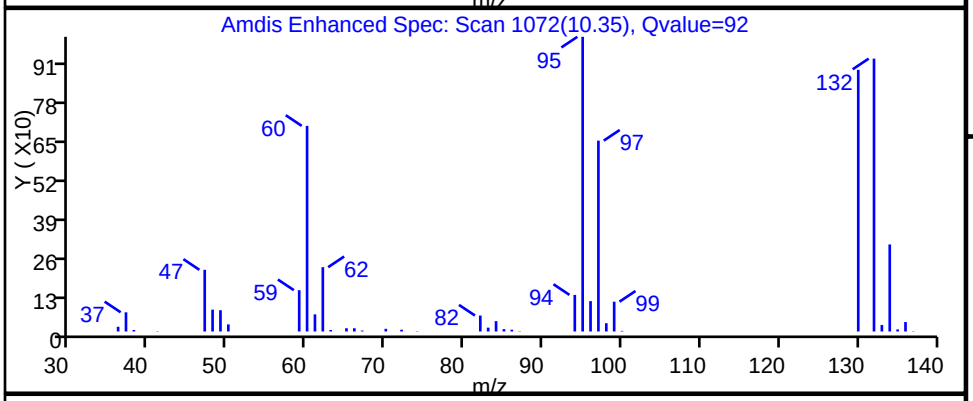
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

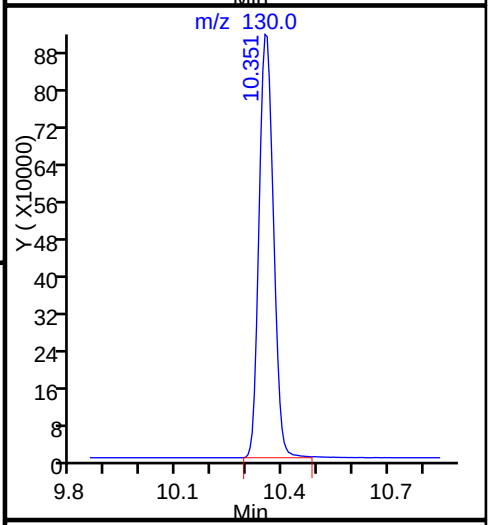
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

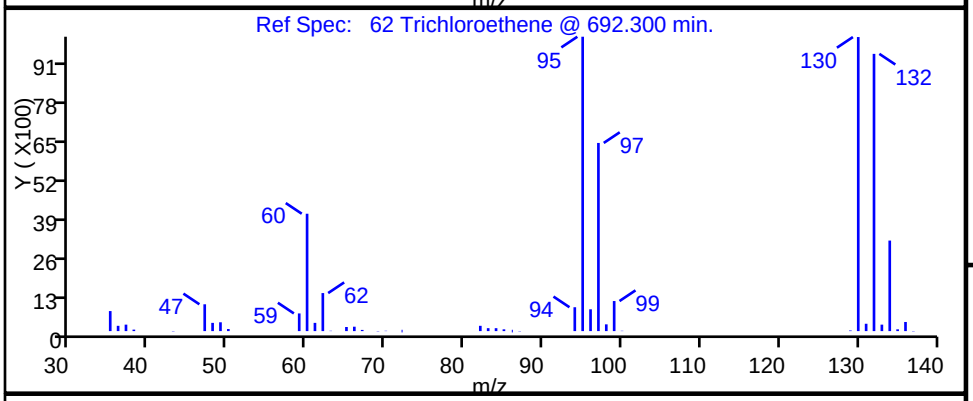
62 Trichloroethene, CAS: 79-01-6

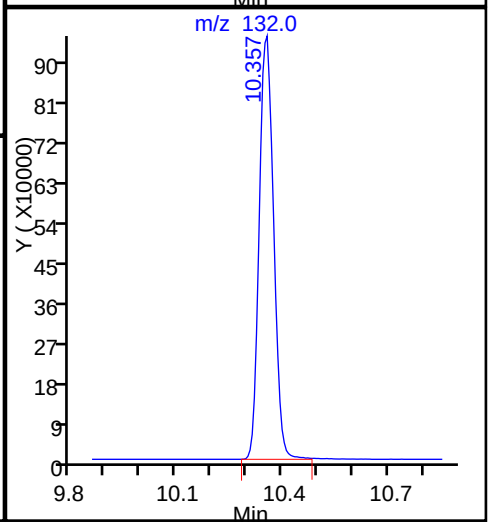


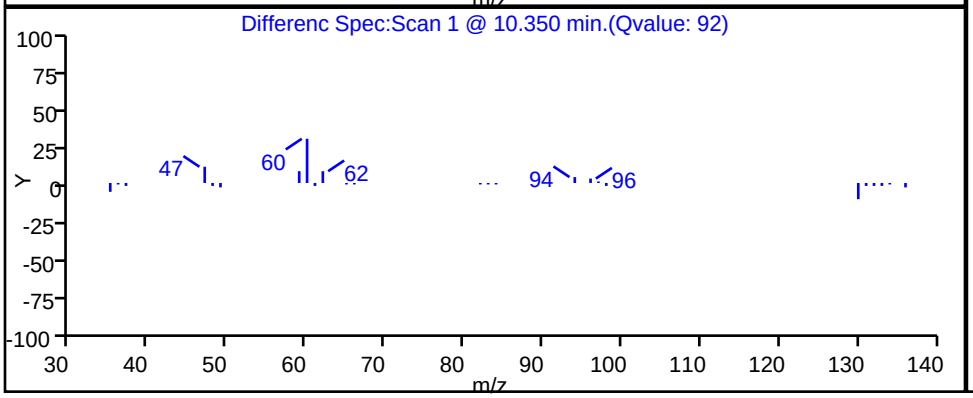








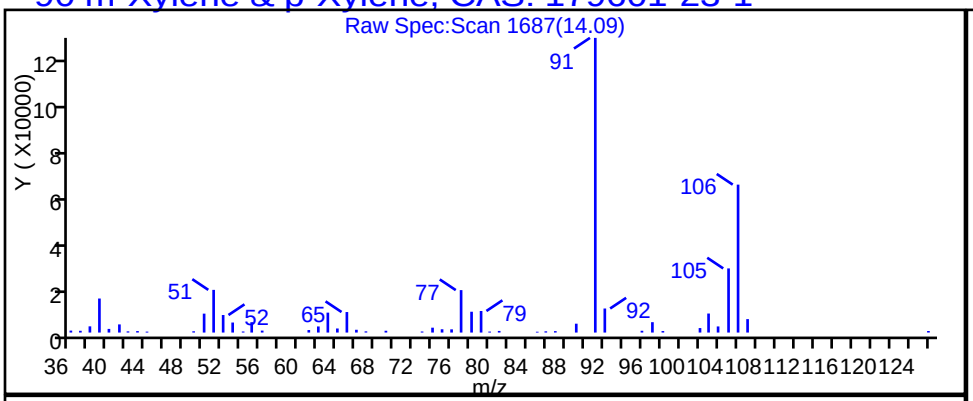


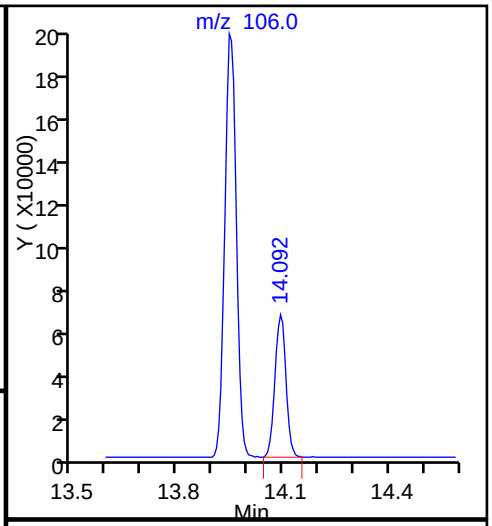


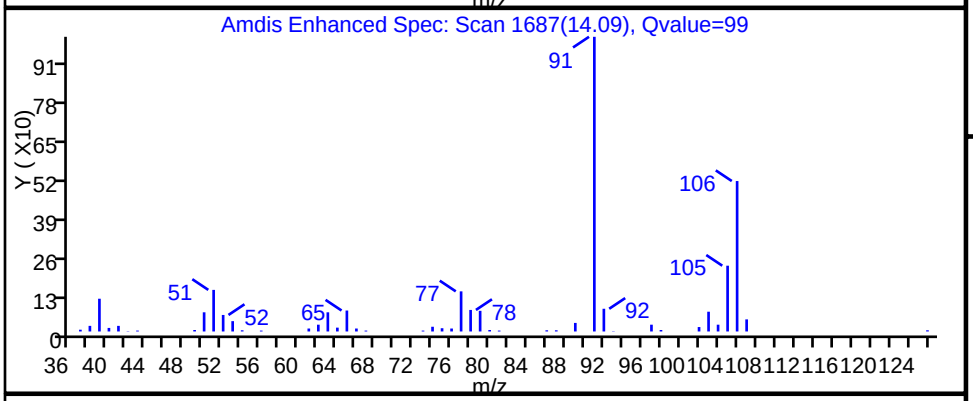
TestAmerica Buffalo

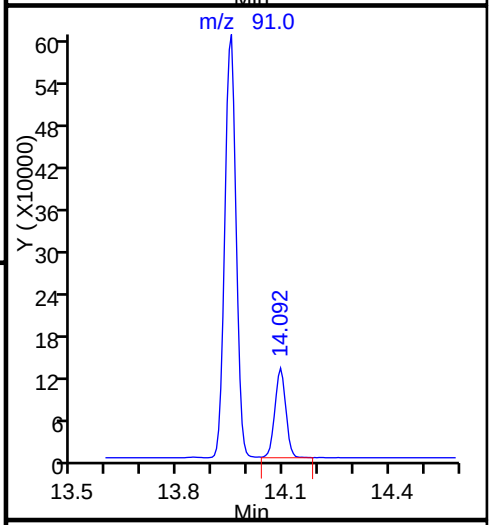
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D				
Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	26	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

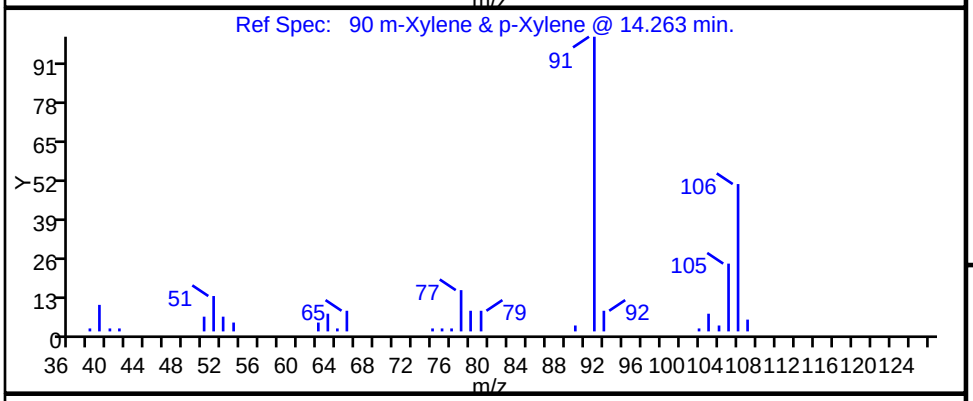
90 m-Xylene & p-Xylene, CAS: 179601-23-1

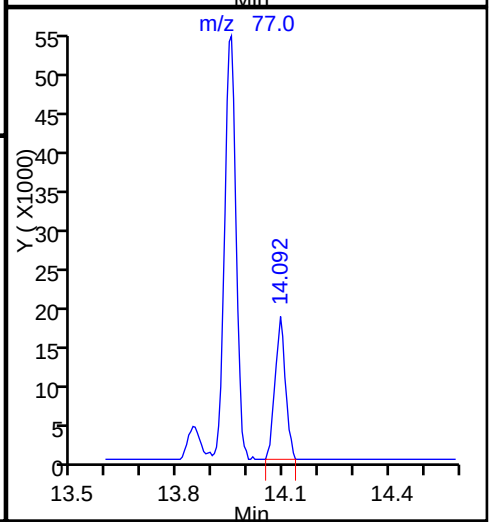


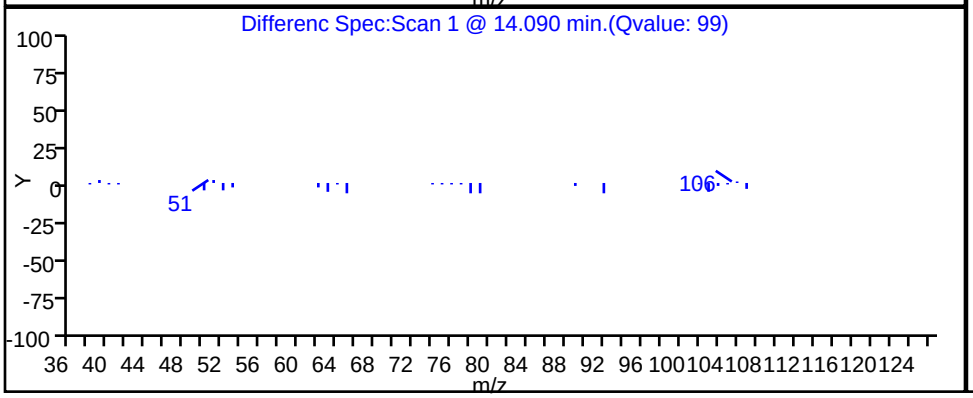












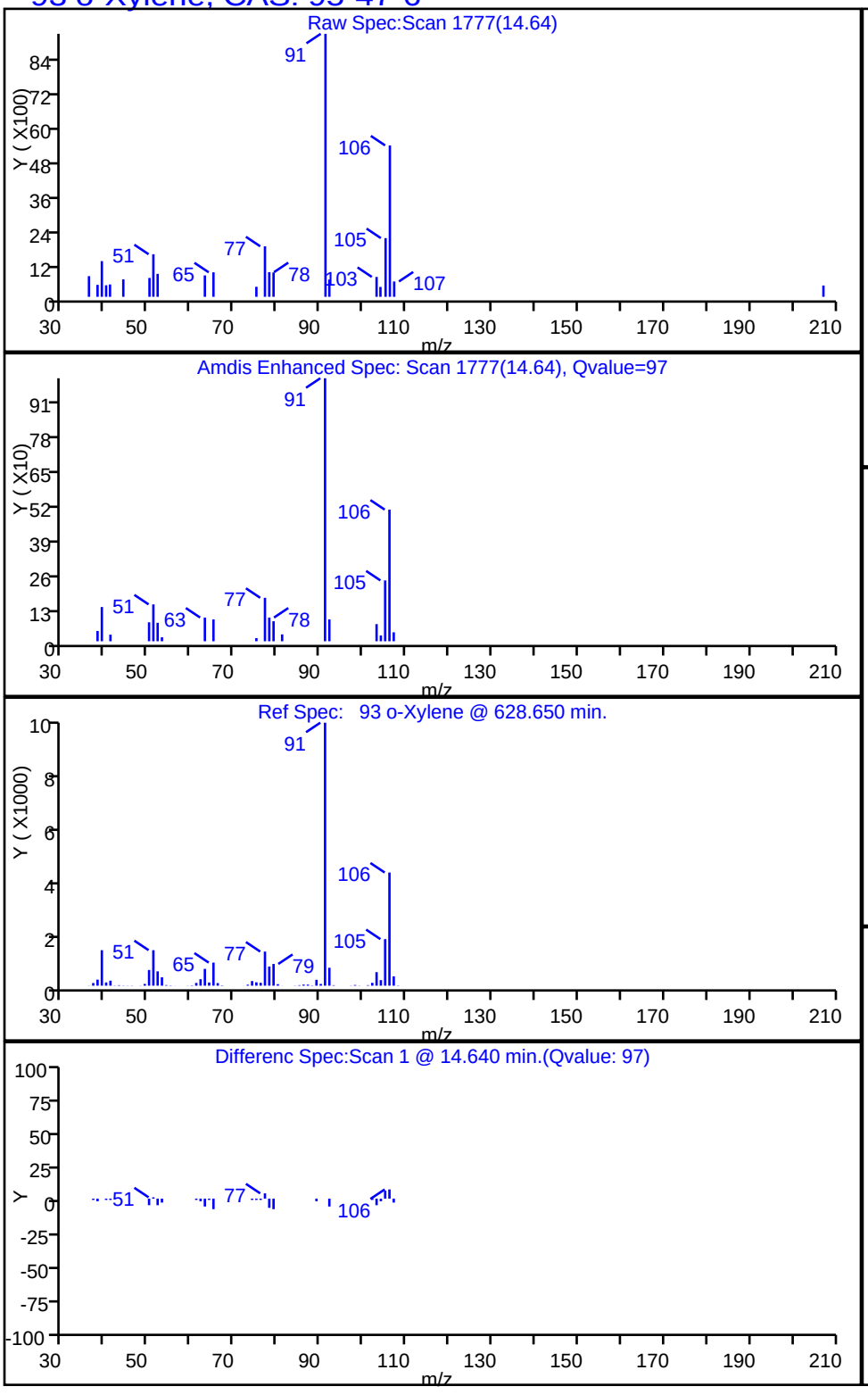
Report Date: 15-Dec-2015 15:11:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

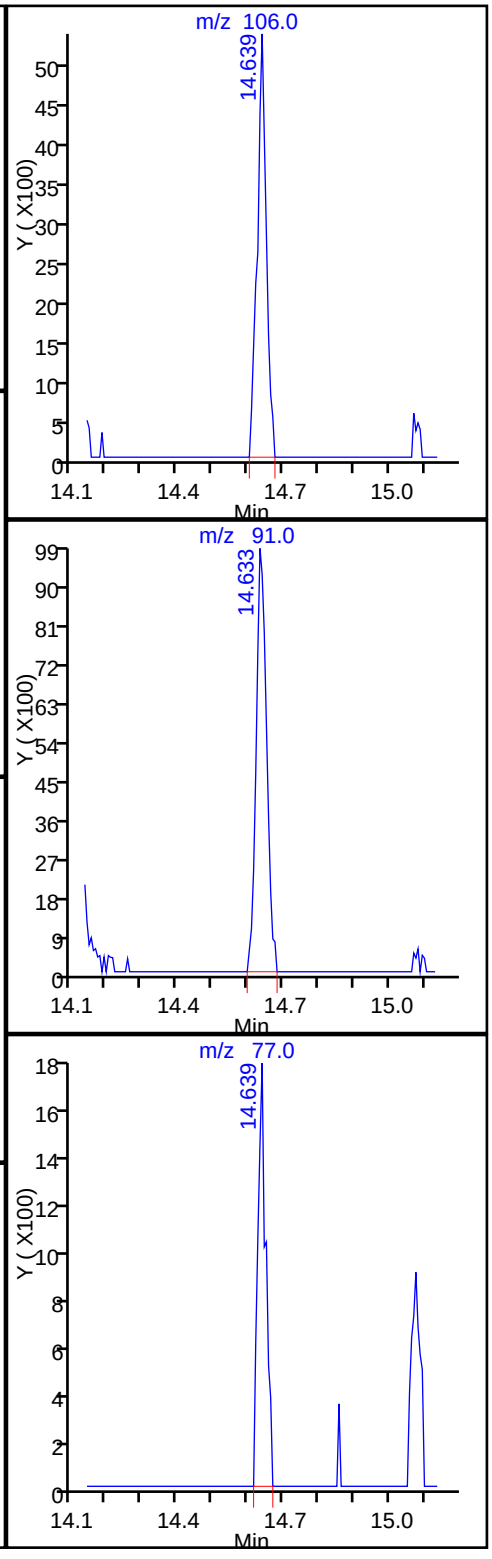
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2368.D

Injection Date:	15-Dec-2015 10:10:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-14-A	Lab Sample ID:	480-92332-14
Client ID:	B15-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	26 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

93 o-Xylene, CAS: 95-47-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 DL | Lab Sample ID: 480-92332-14 DL

Matrix: Solid | Lab File ID: S6384.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.1(g) | Date Analyzed: 12/20/2015 21:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100	540
79-00-5	1,1,2-Trichloroethane	ND		1100	230
75-34-3	1,1-Dichloroethane	ND	F1	1100	330
75-35-4	1,1-Dichloroethene	ND	F1	1100	370
120-82-1	1,2,4-Trichlorobenzene	ND		1100	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F2	1100	540
106-93-4	1,2-Dibromoethane	ND	F1	1100	190
95-50-1	1,2-Dichlorobenzene	ND		1100	280
107-06-2	1,2-Dichloroethane	ND		1100	440
78-87-5	1,2-Dichloropropane	ND		1100	180
541-73-1	1,3-Dichlorobenzene	ND		1100	290
106-46-7	1,4-Dichlorobenzene	ND		1100	150
78-93-3	2-Butanone (MEK)	ND		5400	3200
591-78-6	2-Hexanone	ND		5400	2200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5400	350
67-64-1	Acetone	ND		5400	4400
71-43-2	Benzene	ND		1100	210
75-27-4	Bromodichloromethane	ND		1100	220
75-25-2	Bromoform	ND		1100	540
74-83-9	Bromomethane	ND		1100	240
75-15-0	Carbon disulfide	ND	F2 F1	1100	490
56-23-5	Carbon tetrachloride	ND		1100	280
108-90-7	Chlorobenzene	ND		1100	140
75-00-3	Chloroethane	ND	F2	1100	230
67-66-3	Chloroform	ND		1100	740
74-87-3	Chloromethane	ND	F1	1100	260
156-59-2	cis-1,2-Dichloroethene	ND		1100	300
10061-01-5	cis-1,3-Dichloropropene	ND	F1	1100	260
110-82-7	Cyclohexane	ND		1100	240
124-48-1	Dibromochloromethane	ND		1100	520
75-71-8	Dichlorodifluoromethane	ND	F1	1100	470
100-41-4	Ethylbenzene	670	J F2 F1	1100	310
98-82-8	Isopropylbenzene	ND		1100	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 DL | Lab Sample ID: 480-92332-14 DL

Matrix: Solid | Lab File ID: S6384.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.1(g) | Date Analyzed: 12/20/2015 21:33

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1100	520
1634-04-4	Methyl tert-butyl ether	ND		1100	410
108-87-2	Methylcyclohexane	ND		1100	510
75-09-2	Methylene Chloride	ND	F1	1100	210
100-42-5	Styrene	ND	F1	1100	260
127-18-4	Tetrachloroethene	39000	F2	1100	150
108-88-3	Toluene	ND		1100	290
156-60-5	trans-1,2-Dichloroethene	ND		1100	260
10061-02-6	trans-1,3-Dichloropropene	ND	F1	1100	110
79-01-6	Trichloroethene	2900	F1	1100	300
75-69-4	Trichlorofluoromethane	ND	F2	1100	510
75-01-4	Vinyl chloride	ND	F2 F1	1100	360
1330-20-7	Xylenes, Total	ND		2200	600

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6384.D
Lims ID: 480-92332-A-14-B Lab Sample ID: 480-92332-14
Client ID: B15-AREA2-S1
Sample Type: Client
Inject. Date: 20-Dec-2015 21:33:30 ALS Bottle#: 27 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-14-B
Misc. Info.: 480-0049418-026
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:48 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.398	0.006	97	93114	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	190502	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	175910	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	75843	26.3	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	86	459015	27.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	136027	25.3	
10 Dichlorodifluoromethane	85		1.243				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.504				ND	
14 Bromomethane	94		1.809				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.733				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.038				ND	
30 Methylene Chloride	84		3.159				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.372				ND	
39 1,1-Dichloroethane	63		3.786				ND	
45 cis-1,2-Dichloroethene	96		4.339				ND	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.650				ND	
51 1,1,1-Trichloroethane	97		4.777				ND	
52 Cyclohexane	56		4.802				ND	
55 Carbon tetrachloride	117		4.923				ND	
57 Benzene	78		5.130				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.745	0.000	77	11714	2.65	
64 Methylcyclohexane	83		5.879				ND	
65 1,2-Dichloropropane	63		5.976				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.822				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.430				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	178173	35.8	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91	8.525	8.525	0.000	51	11668	0.6234	
90 m-Xylene & p-Xylene	106		8.647				ND	
91 o-Xylene	106		9.066				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.153				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

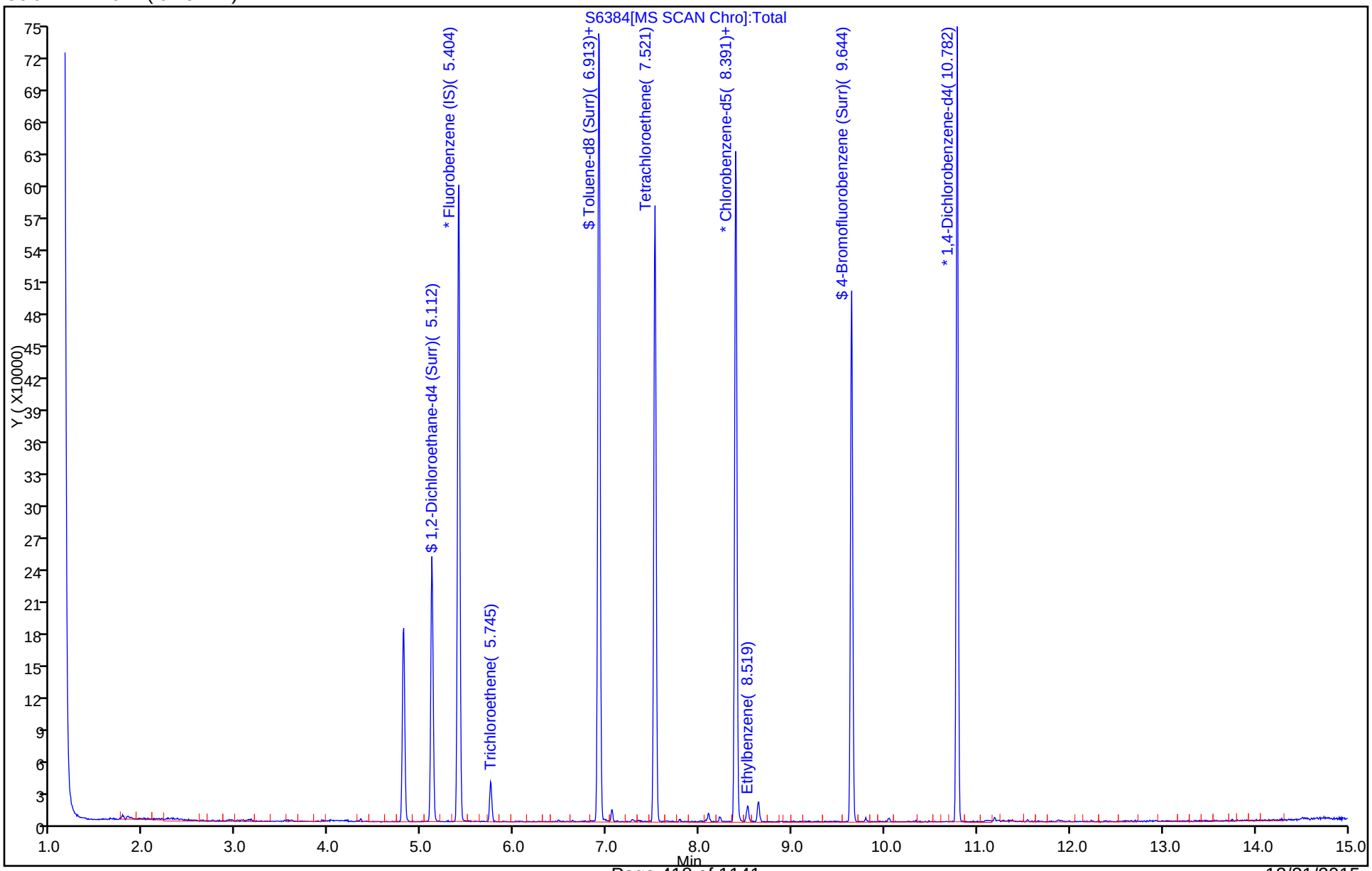
Report Date: 21-Dec-2015 15:18:49 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6384.D

Injection Date:	20-Dec-2015 21:33:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-14-B	Lab Sample ID:	480-92332-14	Worklist Smp#:	26
Client ID:	B15-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	27
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



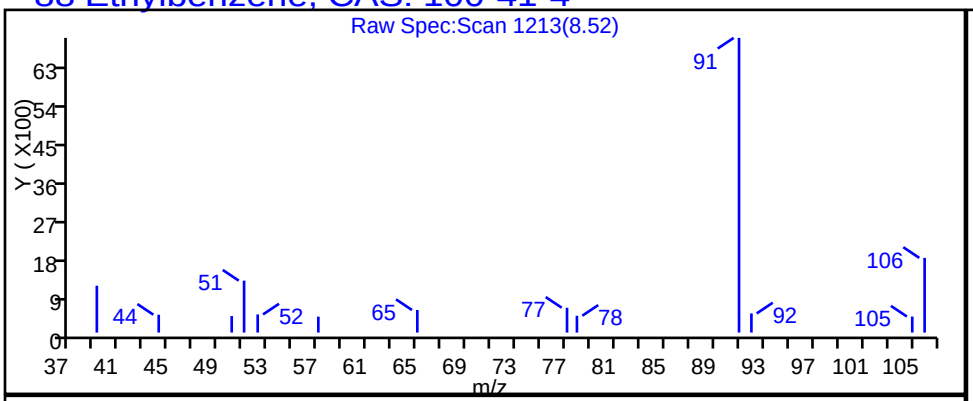
Report Date: 21-Dec-2015 15:18:49 Chrom Revision: 2.2 02-Dec-2015 11:51:48

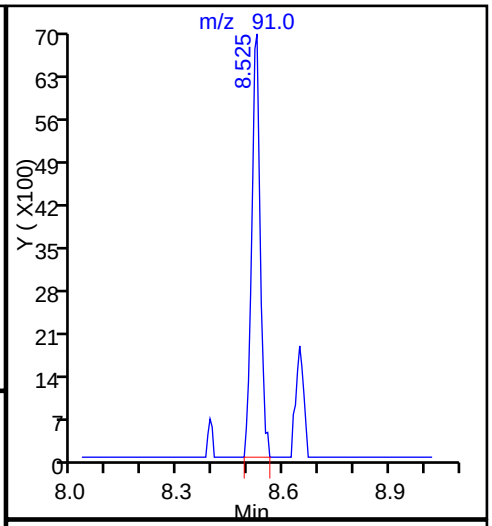
TestAmerica Buffalo

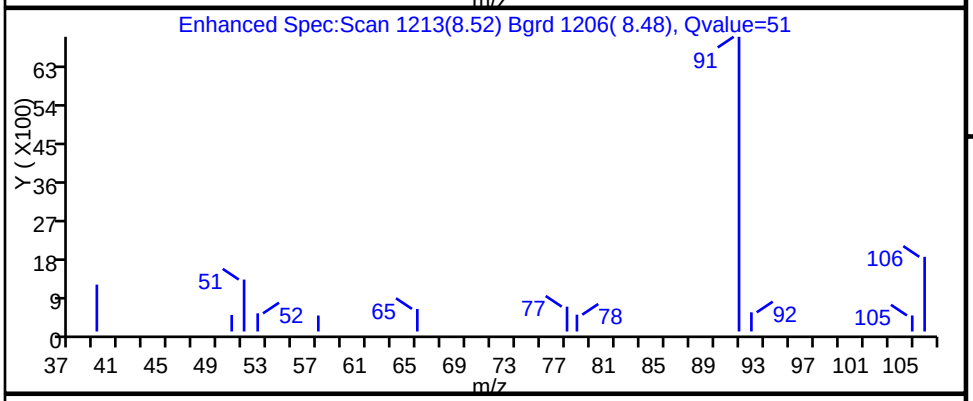
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6384.D

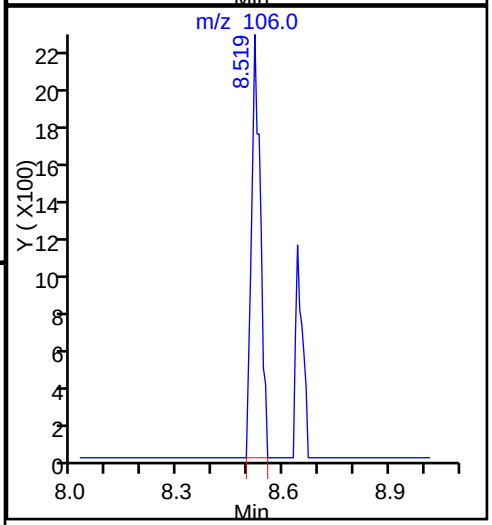
Injection Date:	20-Dec-2015 21:33:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-14-B	Lab Sample ID:	480-92332-14		
Client ID:	B15-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	27	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

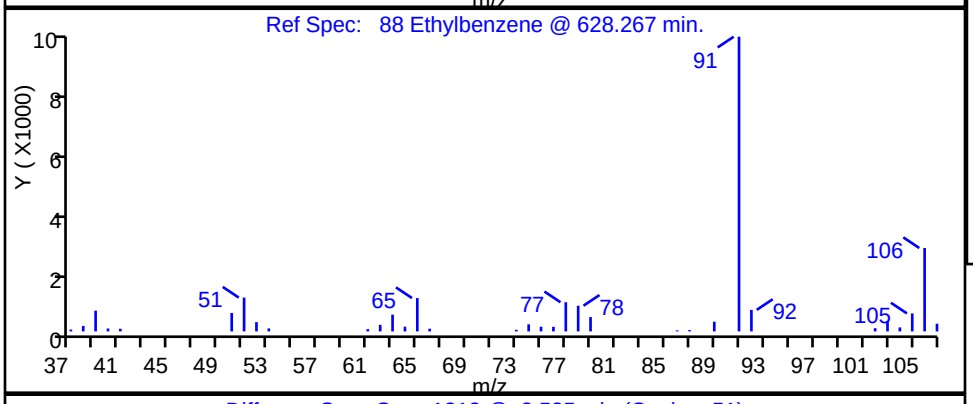
88 Ethylbenzene, CAS: 100-41-4

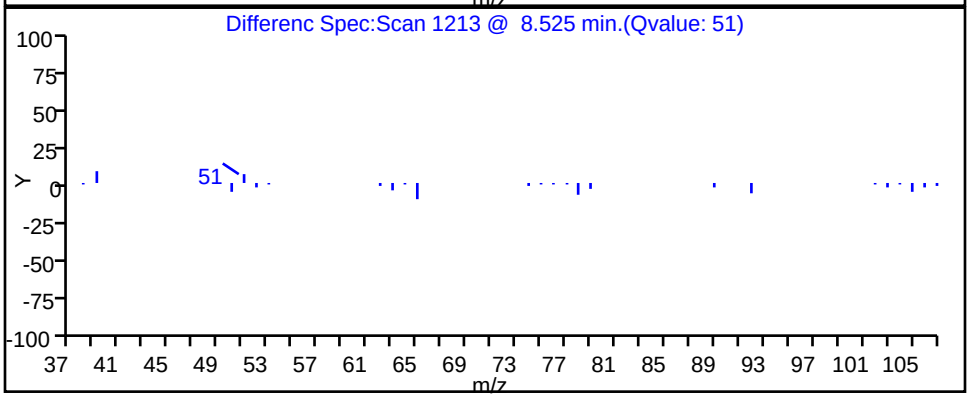










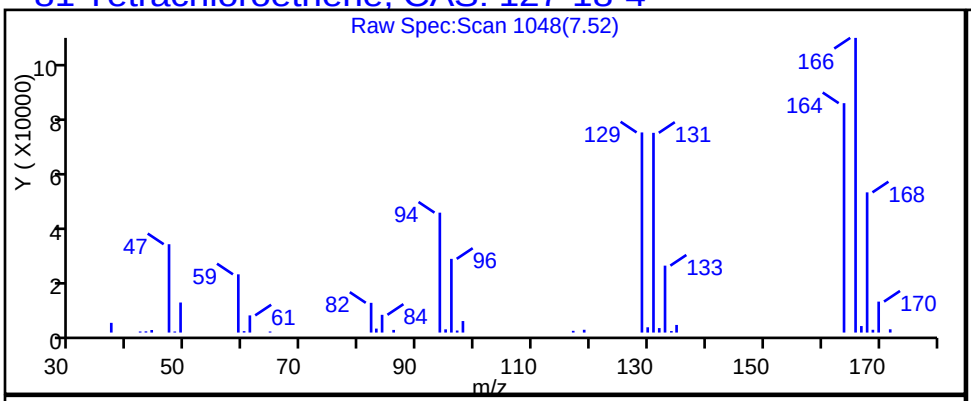


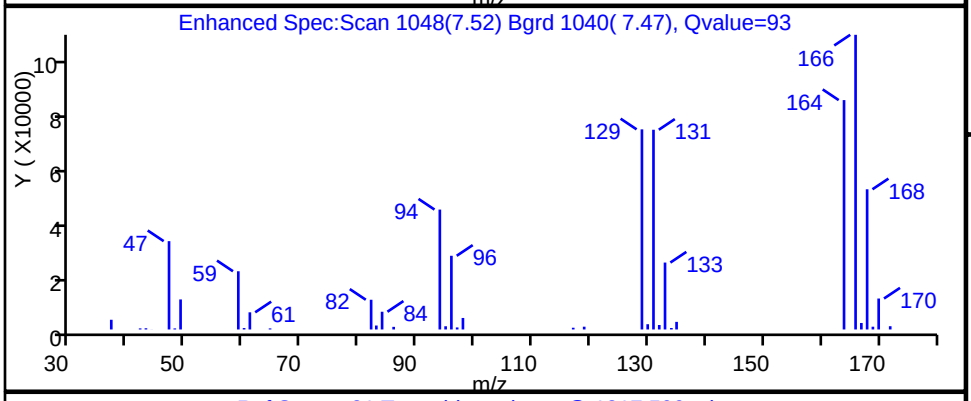
TestAmerica Buffalo

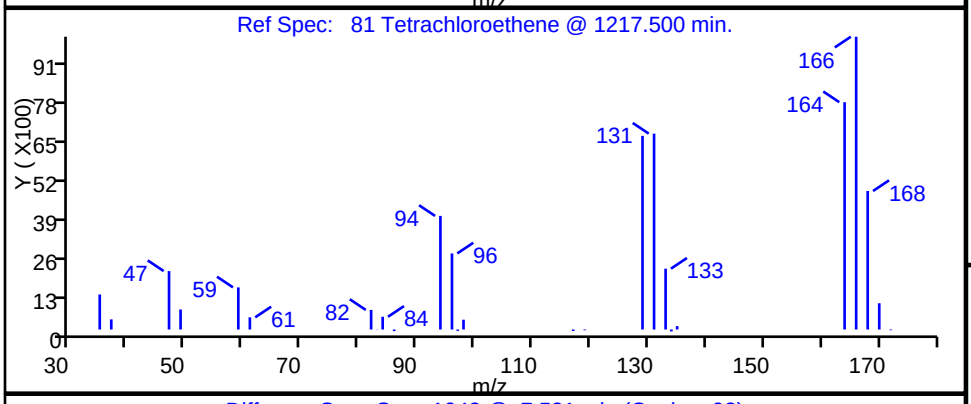
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6384.D

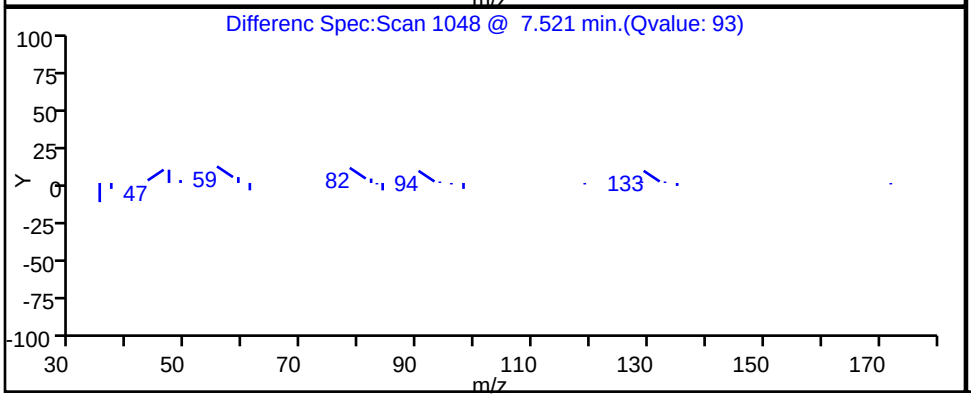
Injection Date:	20-Dec-2015 21:33:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-14-B	Lab Sample ID:	480-92332-14
Client ID:	B15-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	27 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

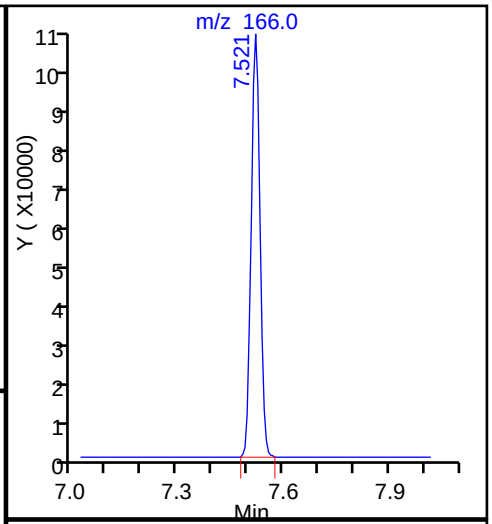
81 Tetrachloroethene, CAS: 127-18-4

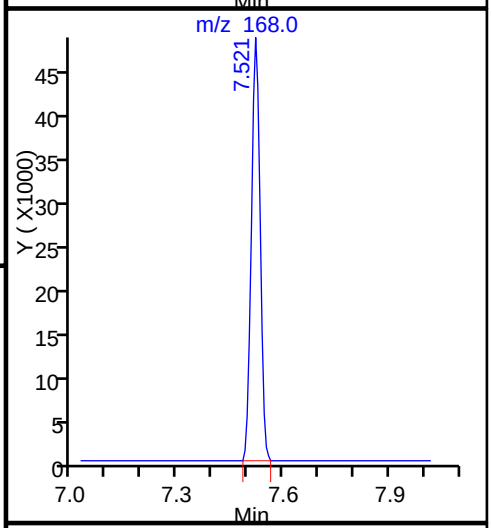


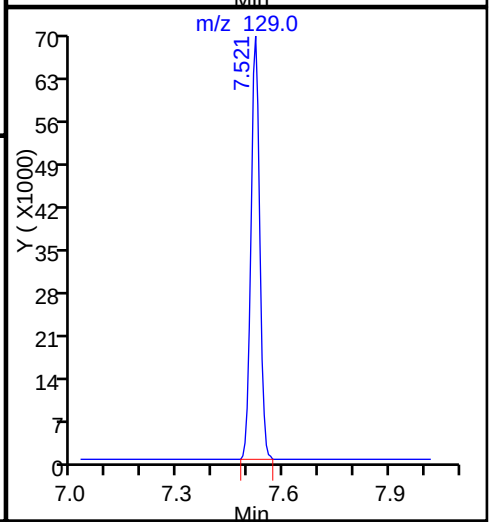










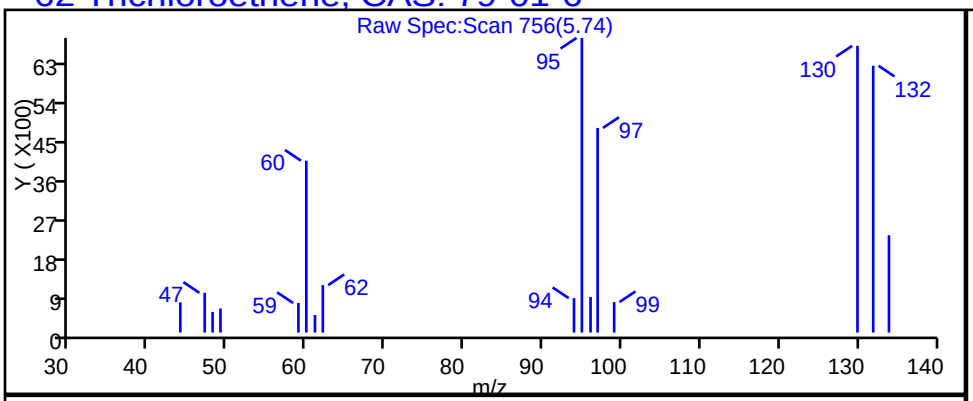


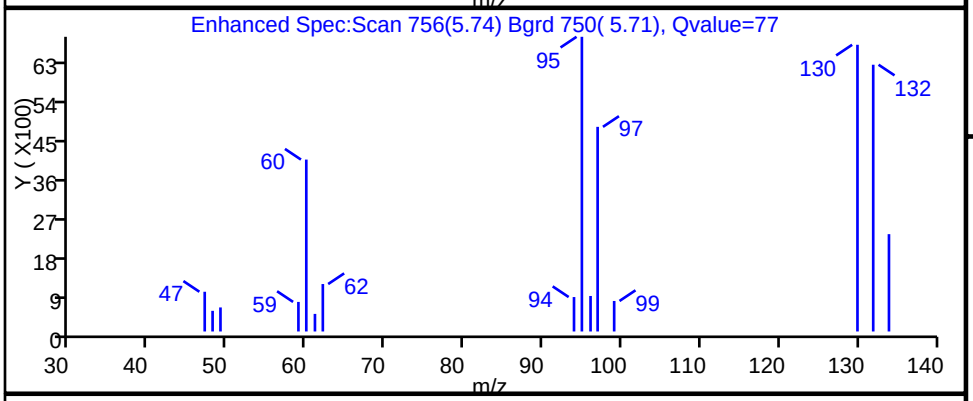
TestAmerica Buffalo

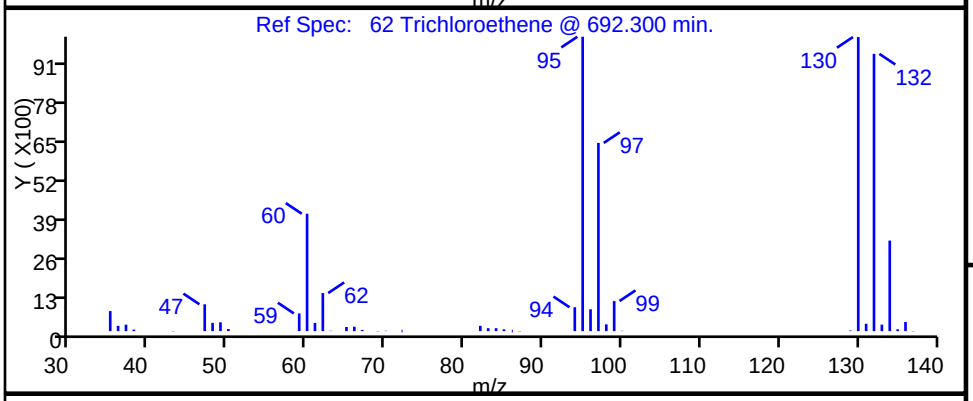
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6384.D

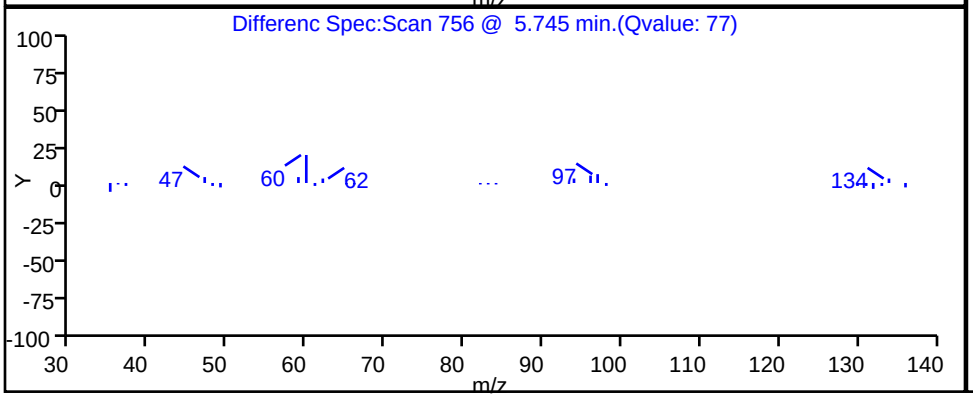
Injection Date:	20-Dec-2015 21:33:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-14-B	Lab Sample ID:	480-92332-14
Client ID:	B15-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	27 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

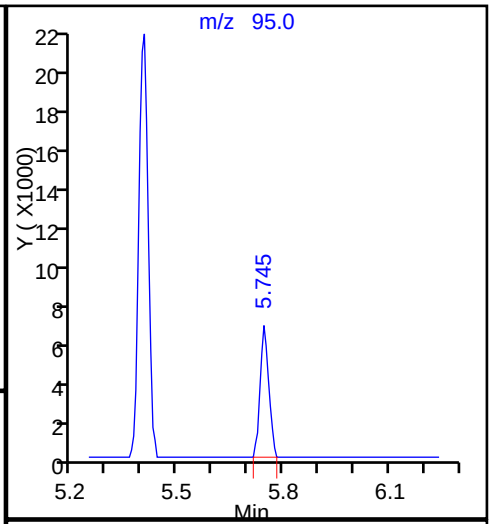
62 Trichloroethene, CAS: 79-01-6

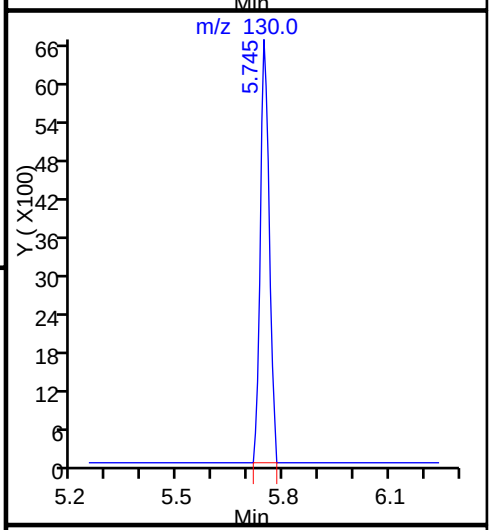


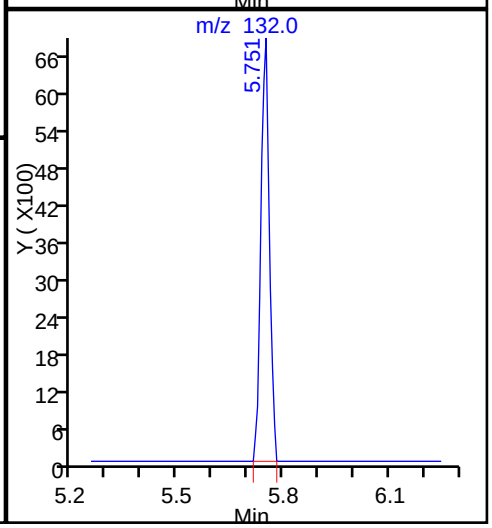












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S2 | Lab Sample ID: 480-92332-15

Matrix: Solid | Lab File ID: P2405.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:30

Sample wt/vol: 5.11(g) | Date Analyzed: 12/16/2015 12:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	* F1	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND	F1	5.3	0.69
75-34-3	1,1-Dichloroethane	ND	F1	5.3	0.64
75-35-4	1,1-Dichloroethene	ND	F1	5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	* F1 F2	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	* F1	5.3	2.6
106-93-4	1,2-Dibromoethane	ND	F1	5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	* F1 F2	5.3	0.41
107-06-2	1,2-Dichloroethane	ND	F1	5.3	0.27
78-87-5	1,2-Dichloropropane	ND	F1	5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND	* F1 F2	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	* F1 F2	5.3	0.74
78-93-3	2-Butanone (MEK)	ND	F1	26	1.9
591-78-6	2-Hexanone	ND	F1	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	F1	26	1.7
67-64-1	Acetone	ND	F1	26	4.4
71-43-2	Benzene	ND	F1	5.3	0.26
75-27-4	Bromodichloromethane	ND	F1	5.3	0.71
75-25-2	Bromoform	ND	F1	5.3	2.6
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND	F1	5.3	2.6
56-23-5	Carbon tetrachloride	ND	F1	5.3	0.51
108-90-7	Chlorobenzene	ND	F1 F2	5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND	F1	5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND	F1	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND	F1	5.3	0.76
110-82-7	Cyclohexane	ND	F1	5.3	0.74
124-48-1	Dibromochloromethane	ND	F1	5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S2 | Lab Sample ID: 480-92332-15

Matrix: Solid | Lab File ID: P2405.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:30

Sample wt/vol: 5.11(g) | Date Analyzed: 12/16/2015 12:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND	F1 F2	5.3	0.36
98-82-8	Isopropylbenzene	ND	* F1 F2	5.3	0.80
79-20-9	Methyl acetate	ND	F1	5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND	F1 F2	5.3	0.80
75-09-2	Methylene Chloride	ND		5.3	2.4
100-42-5	Styrene	ND	F1 F2	5.3	0.26
127-18-4	Tetrachloroethene	5.0	J F1 F2	5.3	0.71
108-88-3	Toluene	0.61	J F1 B	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND	F1	5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	F1	5.3	2.3
79-01-6	Trichloroethene	ND	F1	5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.64
1330-20-7	Xylenes, Total	ND	F1 F2	11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	47	X	72-126
2037-26-5	Toluene-d8 (Surr)	122		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2405.D
Lims ID: 480-92332-A-15-C Lab Sample ID: 480-92332-15
Client ID: B15-AREA2-S2
Sample Type: Client
Inject. Date: 16-Dec-2015 12:52:30 ALS Bottle#: 1 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-15-C
Misc. Info.: 480-0049276-008
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:41:12 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:41:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	306925	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.837	0.006	89	390843	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	125400	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	256473	54.1	
$ 5 Toluene-d8 (Surr)	98	11.878	11.872	0.006	93	1042605	61.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	139809	23.5	
10 Dichlorodifluoromethane	85		4.030				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	99	12183	3.46	
30 Methyl acetate	43		6.761				ND	
31 Methylene Chloride	84	6.980	6.980	0.000	96	32898	1.25	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.520	0.012	81	5035	0.5373	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.351	10.345	0.006	62	7803	0.8514	M
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	97	8023	0.5780	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.711	12.711	0.000	90	25440	4.77	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

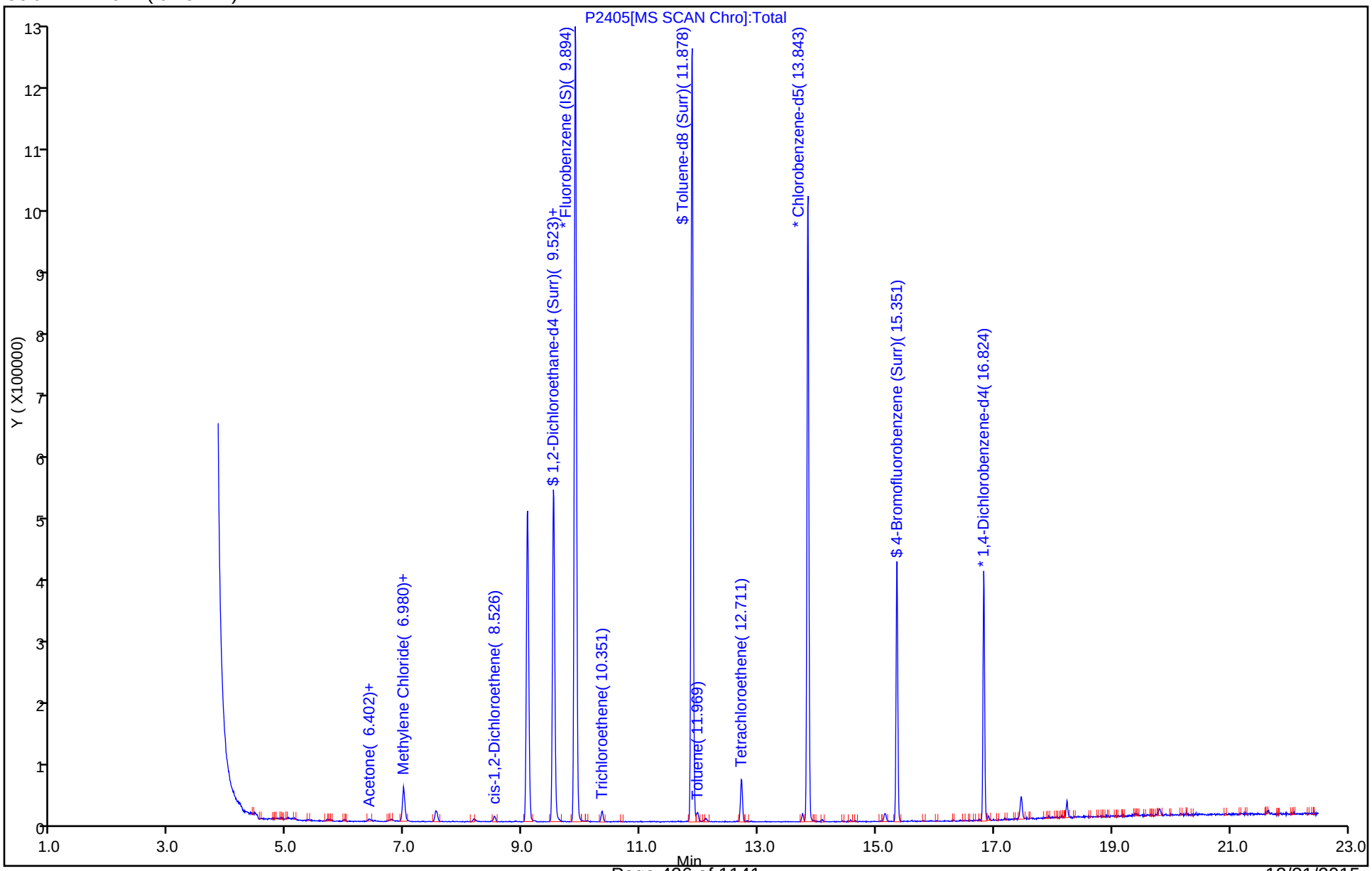
Report Date: 16-Dec-2015 18:41:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2405.D

Injection Date:	16-Dec-2015 12:52:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-15-C	Lab Sample ID:	480-92332-15	Worklist Smp#:	8
Client ID:	B15-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

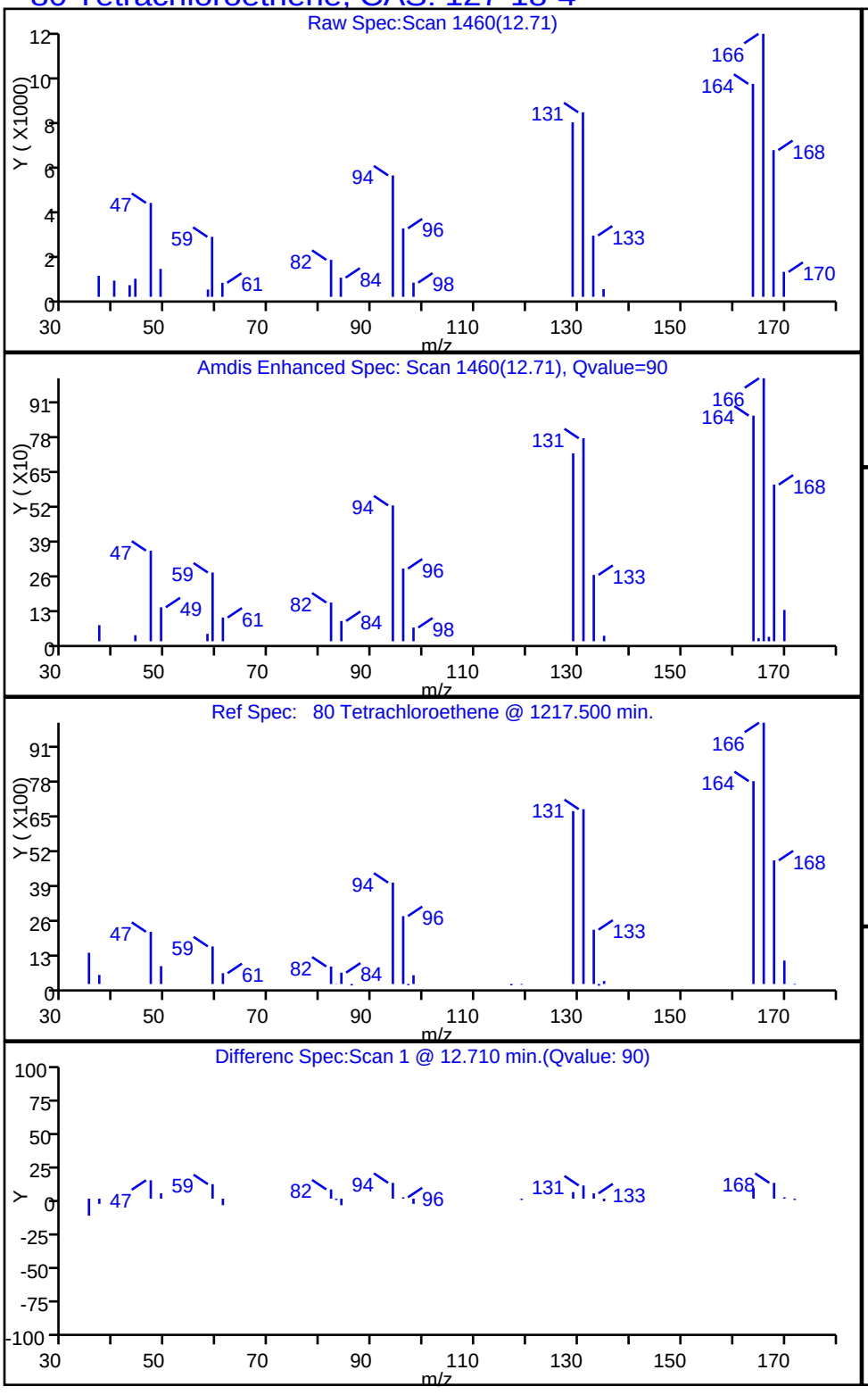


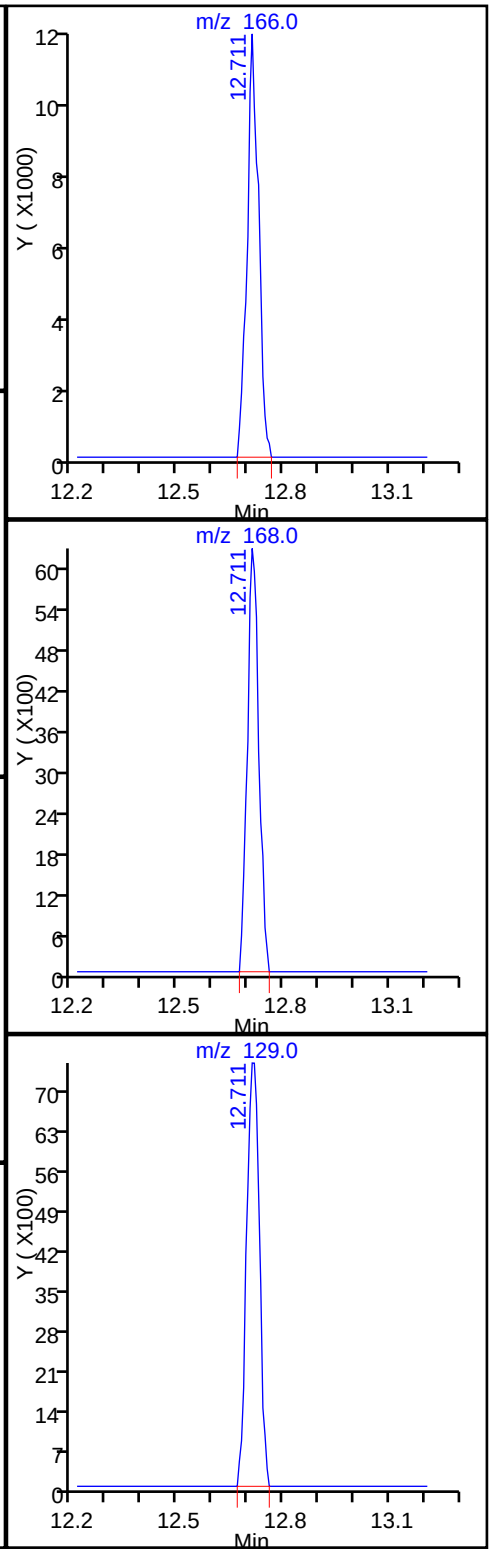
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2405.D

Injection Date:	16-Dec-2015 12:52:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-15-C	Lab Sample ID:	480-92332-15
Client ID:	B15-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	1 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

80 Tetrachloroethene, CAS: 127-18-4



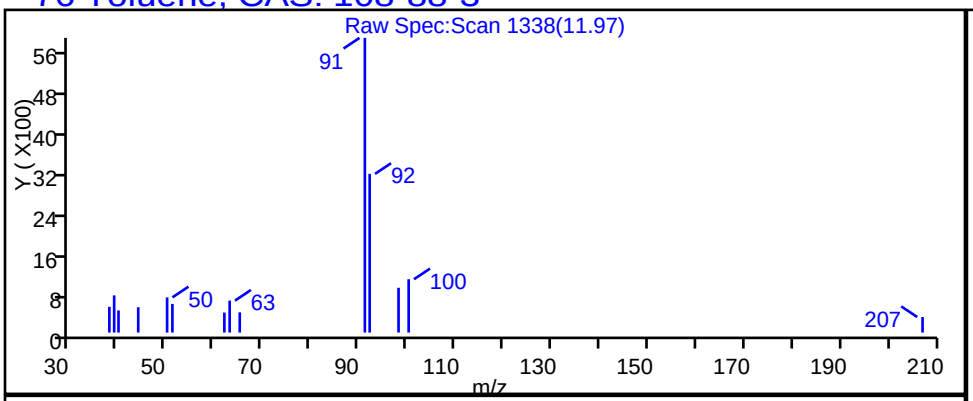


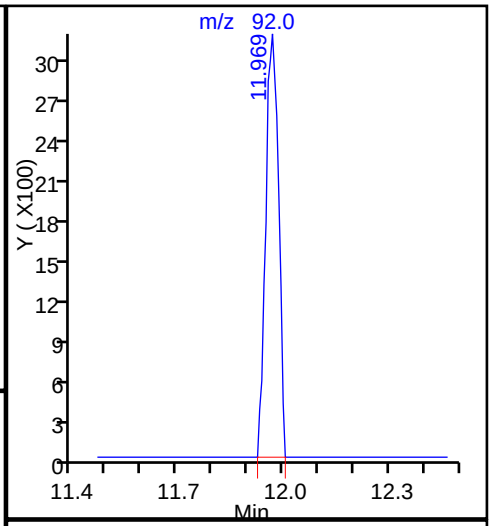
TestAmerica Buffalo

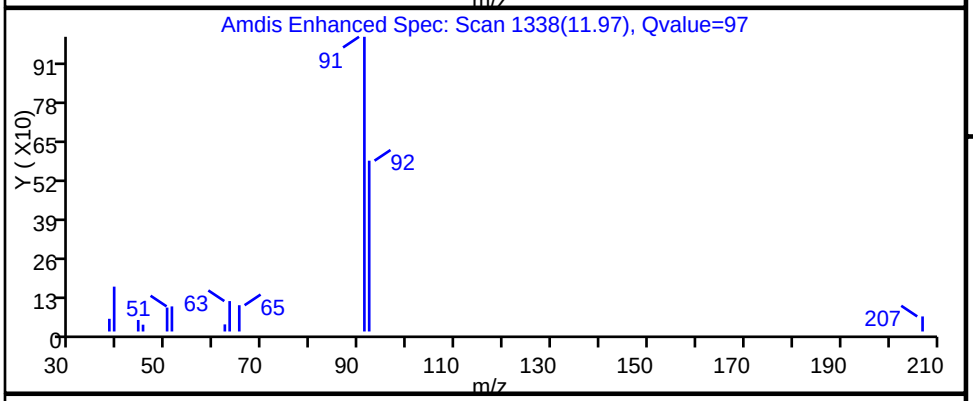
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2405.D

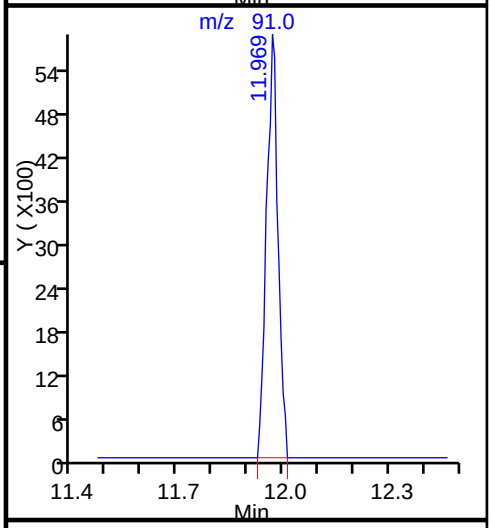
Injection Date:	16-Dec-2015 12:52:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-15-C	Lab Sample ID:	480-92332-15		
Client ID:	B15-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

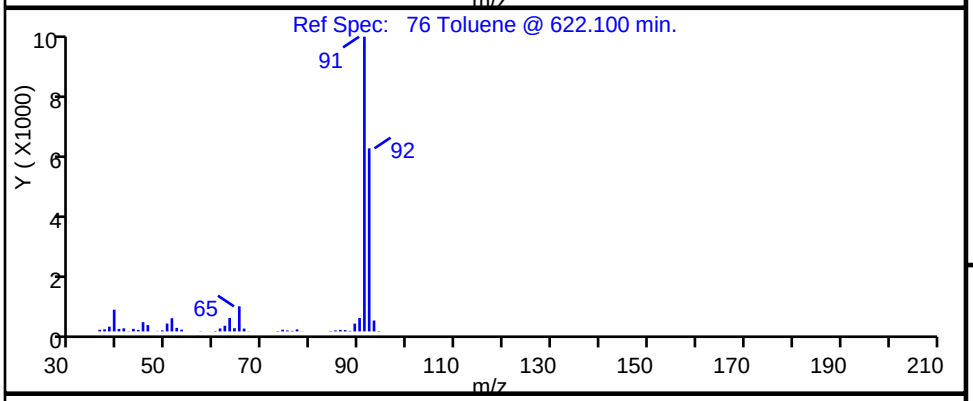
76 Toluene, CAS: 108-88-3

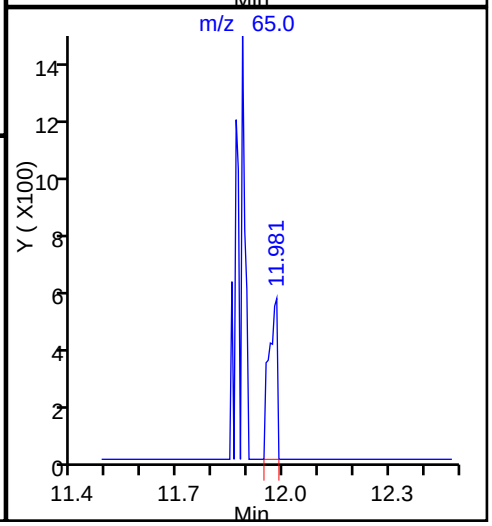


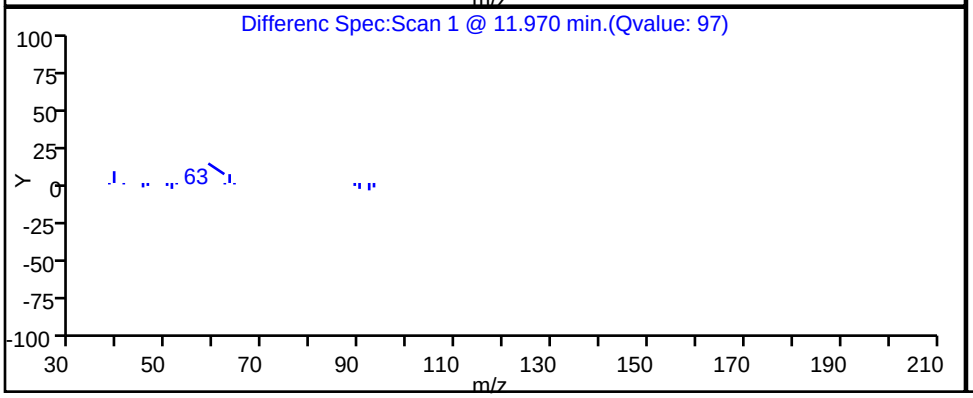












Manual Integration/User Assign Peak Report

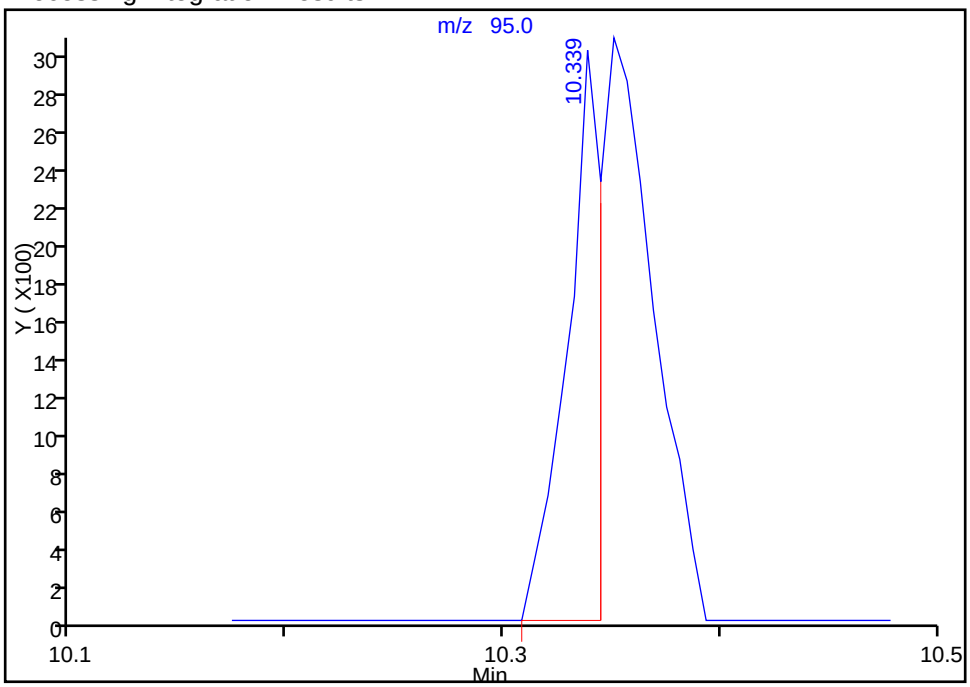
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2405.D				
Injection Date:	16-Dec-2015 12:52:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-15-C	Lab Sample ID:	480-92332-15		
Client ID:	B15-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

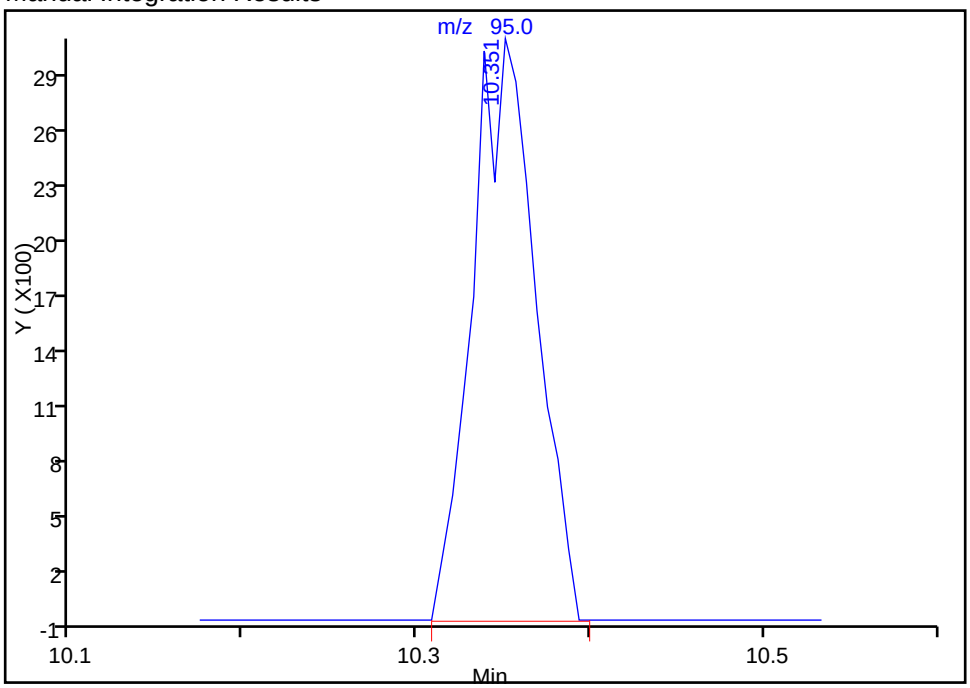
Processing Integration Results

RT: 10.34
Area: 3335
Amount: 0.363878
Amount Units: ug/L



Manual Integration Results

RT: 10.35
Area: 7803
Amount: 0.851376
Amount Units: ug/L



Reviewer: diasn, 16-Dec-2015 18:41:12
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S1 | Lab Sample ID: 480-92332-16

Matrix: Solid | Lab File ID: P2406.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:30

Sample wt/vol: 5.02(g) | Date Analyzed: 12/16/2015 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	36		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S1 | Lab Sample ID: 480-92332-16

Matrix: Solid | Lab File ID: P2406.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:30

Sample wt/vol: 5.02(g) | Date Analyzed: 12/16/2015 13:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.72
108-88-3	Toluene	ND		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2406.D
Lims ID: 480-92332-A-16-B Lab Sample ID: 480-92332-16
Client ID: B16-AREA2-S1
Sample Type: Client
Inject. Date: 16-Dec-2015 13:19:30 ALS Bottle#: 2 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-16-B
Misc. Info.: 480-0049276-009
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:41:12 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:45:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	359212	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.837	0.006	90	717764	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	656225	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	299582	54.0	
$ 5 Toluene-d8 (Surr)	98	11.878	11.872	0.006	93	1583185	50.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	516794	47.3	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.415	6.390	0.025	92	7715	1.87	
30 Methyl acetate	43		6.761				ND	
31 Methylene Chloride	84	6.986	6.980	0.006	93	33164	0.7144	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.520	0.012	84	364702	33.3	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95		10.345				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.981	11.969	0.012	96	6543	0.2567	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

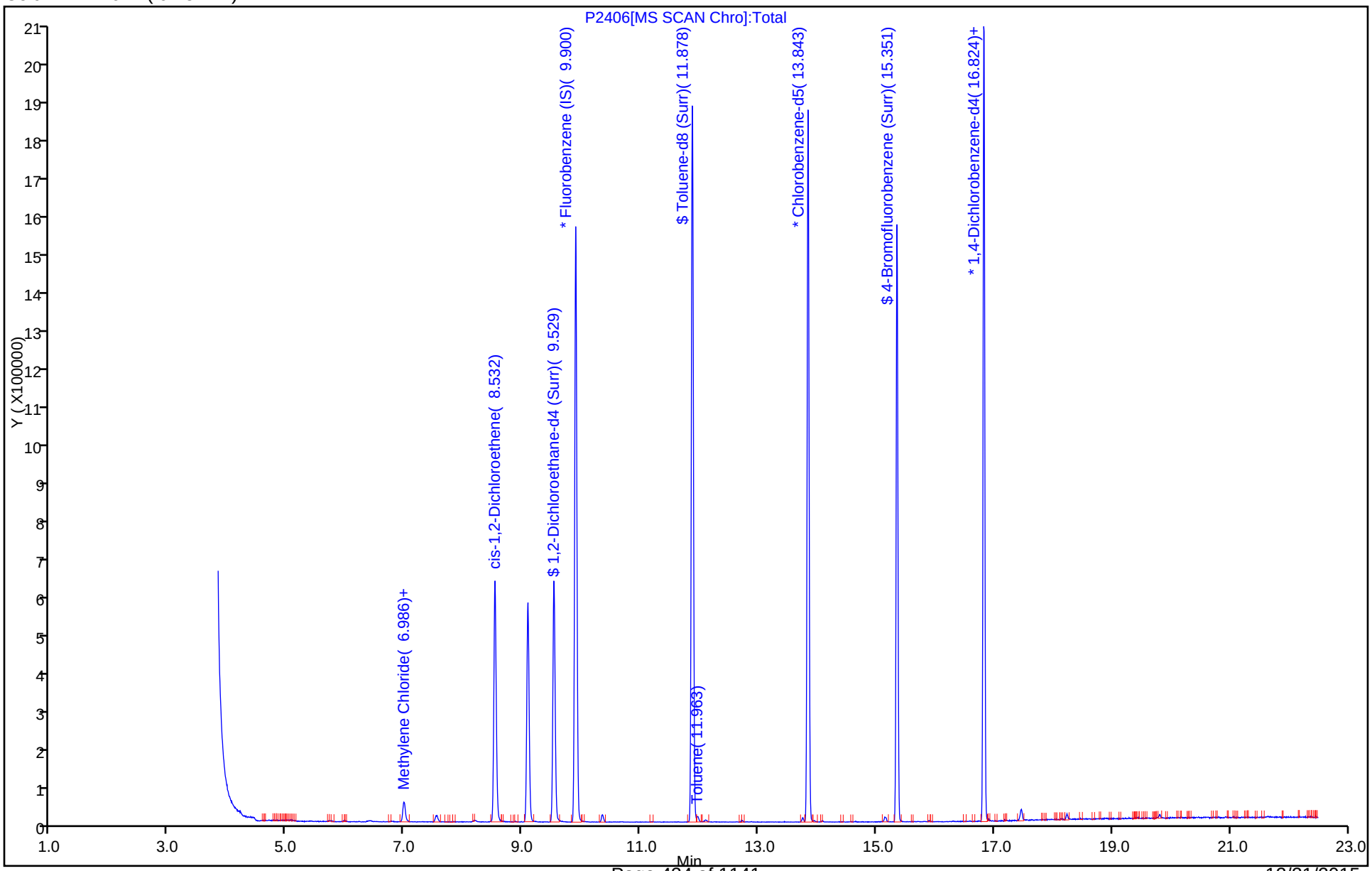
Report Date: 16-Dec-2015 18:45:49 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2406.D

Injection Date:	16-Dec-2015 13:19:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-16-B	Lab Sample ID:	480-92332-16	Worklist Smp#:	9
Client ID:	B16-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



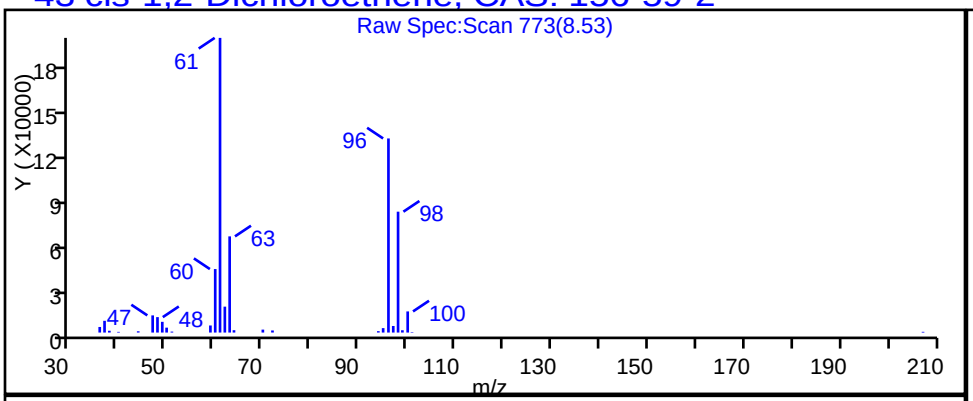
Report Date: 16-Dec-2015 18:45:49 Chrom Revision: 2.2 02-Dec-2015 11:51:48

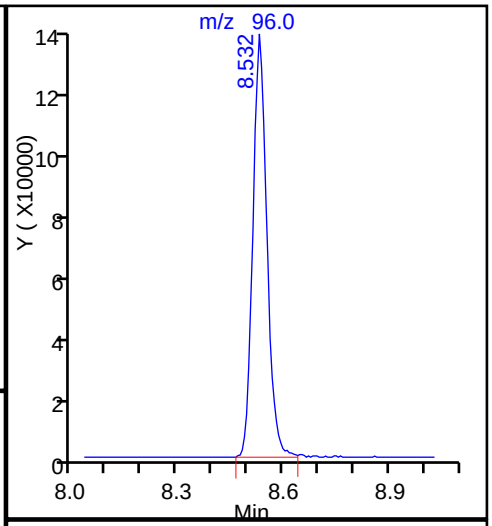
TestAmerica Buffalo

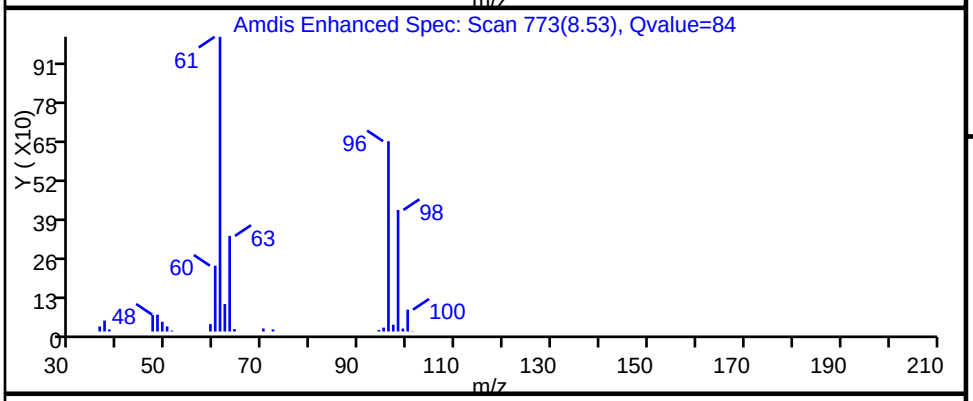
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2406.D

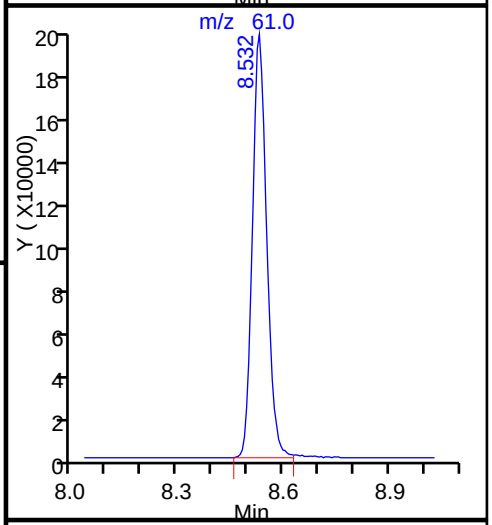
Injection Date:	16-Dec-2015 13:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-16-B	Lab Sample ID:	480-92332-16		
Client ID:	B16-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

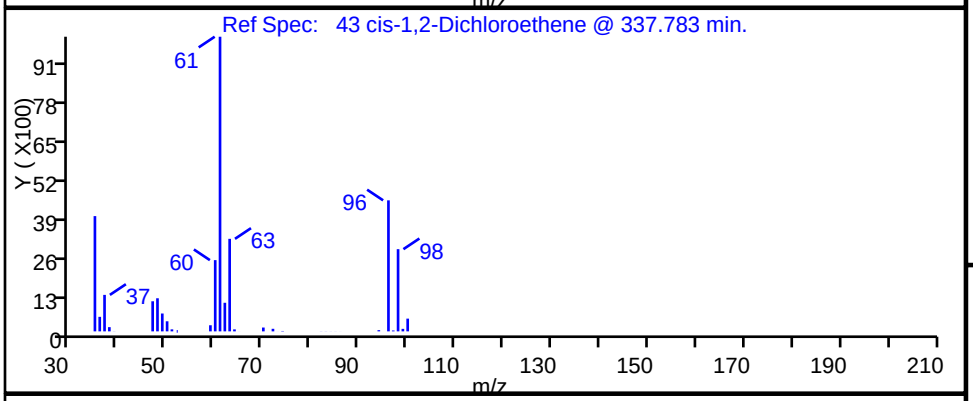
43 cis-1,2-Dichloroethene, CAS: 156-59-2

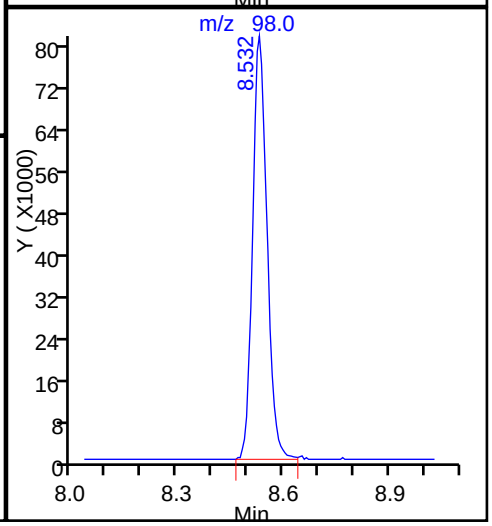


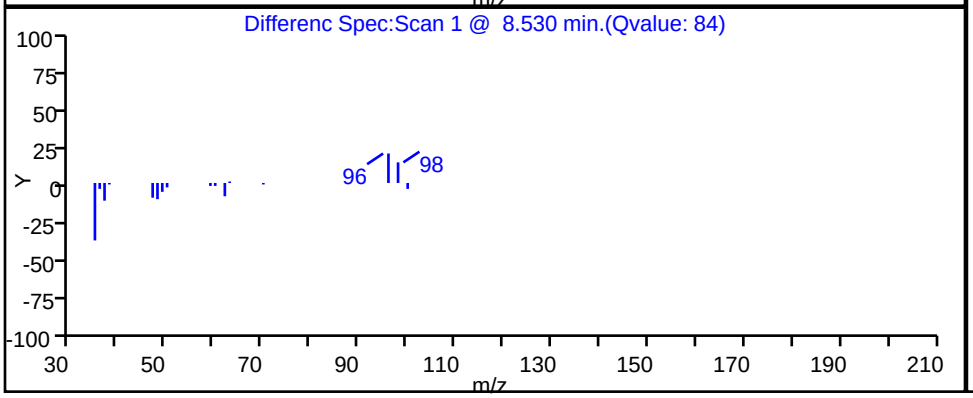












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S2 | Lab Sample ID: 480-92332-17

Matrix: Solid | Lab File ID: P2377.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/15/2015 15:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.4	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND	F2 F1 *	6.4	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.4
79-00-5	1,1,2-Trichloroethane	ND	F1	6.4	0.83
75-34-3	1,1-Dichloroethane	ND		6.4	0.77
75-35-4	1,1-Dichloroethene	ND		6.4	0.78
120-82-1	1,2,4-Trichlorobenzene	ND	F2 F1 *	6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F2 F1 *	6.4	3.2
106-93-4	1,2-Dibromoethane	ND	F1	6.4	0.82
95-50-1	1,2-Dichlorobenzene	ND	F2 F1 *	6.4	0.50
107-06-2	1,2-Dichloroethane	ND	F1	6.4	0.32
78-87-5	1,2-Dichloropropane	ND	F1	6.4	3.2
541-73-1	1,3-Dichlorobenzene	ND	F2 F1 *	6.4	0.33
106-46-7	1,4-Dichlorobenzene	ND	F2 F1 *	6.4	0.89
78-93-3	2-Butanone (MEK)	ND	F1	32	2.3
591-78-6	2-Hexanone	ND	F1	32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	F1	32	2.1
67-64-1	Acetone	ND		32	5.3
71-43-2	Benzene	ND	F1	6.4	0.31
75-27-4	Bromodichloromethane	ND	F1	6.4	0.85
75-25-2	Bromoform	ND	F1	6.4	3.2
74-83-9	Bromomethane	ND		6.4	0.57
75-15-0	Carbon disulfide	ND		6.4	3.2
56-23-5	Carbon tetrachloride	ND		6.4	0.61
108-90-7	Chlorobenzene	ND	F1	6.4	0.84
75-00-3	Chloroethane	ND		6.4	1.4
67-66-3	Chloroform	ND	F1	6.4	0.39
74-87-3	Chloromethane	ND		6.4	0.38
156-59-2	cis-1,2-Dichloroethene	1.0	J F1	6.4	0.81
10061-01-5	cis-1,3-Dichloropropene	ND	F1	6.4	0.91
110-82-7	Cyclohexane	ND		6.4	0.89
124-48-1	Dibromochloromethane	ND	F1	6.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S2 | Lab Sample ID: 480-92332-17

Matrix: Solid | Lab File ID: P2377.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/15/2015 15:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND		6.4	0.52
100-41-4	Ethylbenzene	ND	F1	6.4	0.44
98-82-8	Isopropylbenzene	ND	F2 F1 *	6.4	0.96
79-20-9	Methyl acetate	ND		6.4	3.8
1634-04-4	Methyl tert-butyl ether	ND		6.4	0.62
108-87-2	Methylcyclohexane	ND		6.4	0.97
75-09-2	Methylene Chloride	ND		6.4	2.9
100-42-5	Styrene	ND	F1	6.4	0.32
127-18-4	Tetrachloroethene	ND	F2 F1	6.4	0.85
108-88-3	Toluene	ND	F1	6.4	0.48
156-60-5	trans-1,2-Dichloroethene	ND	F1	6.4	0.66
10061-02-6	trans-1,3-Dichloropropene	ND	F1	6.4	2.8
79-01-6	Trichloroethene	ND	F1	6.4	1.4
75-69-4	Trichlorofluoromethane	ND		6.4	0.60
75-01-4	Vinyl chloride	ND		6.4	0.77
1330-20-7	Xylenes, Total	ND	F1	13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	68	X	72-126
2037-26-5	Toluene-d8 (Surr)	120		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2377.D
Lims ID: 480-92332-A-17-G Lab Sample ID: 480-92332-17
Client ID: B16-AREA2-S2
Sample Type: Client
Inject. Date: 15-Dec-2015 15:48:30 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-17-G
Misc. Info.: 480-0049245-007
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 14:17:29 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 14:17:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	306185	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	464248	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	230629	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.529	-0.006	0	247884	52.4	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	94	1215477	59.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	239883	33.9	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.414	6.390	0.024	64	6608	1.88	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.773				ND	
31 Methylene Chloride	84	6.974	6.980	-0.006	94	29477	0.8569	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	84	7500	0.8023	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
62 Trichloroethene	95	10.344	10.350	-0.006	88	6755	0.7388	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	96	3079	0.2542	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1				0		0.2542	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

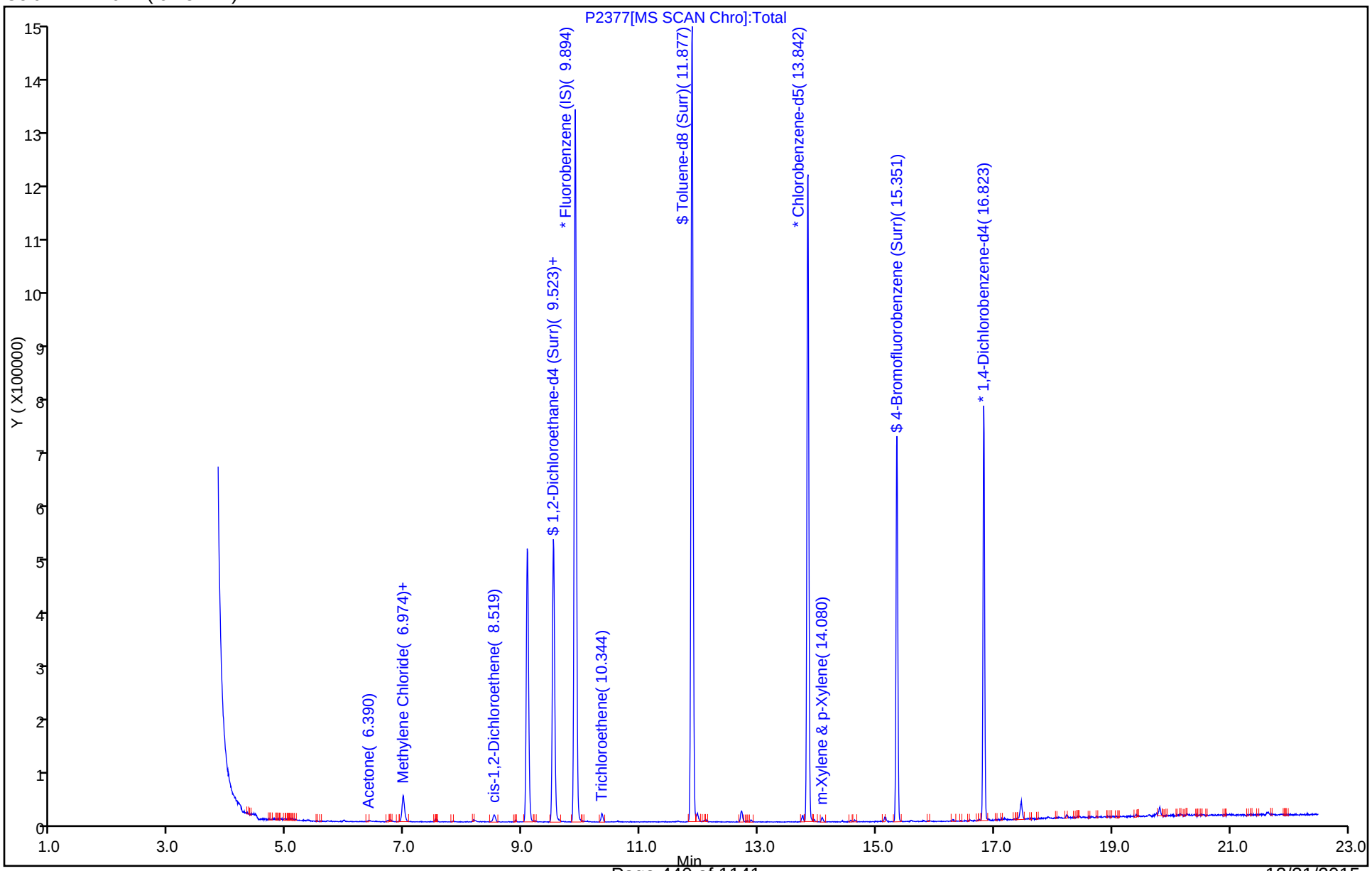
Report Date: 16-Dec-2015 14:17:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2377.D

Injection Date:	15-Dec-2015 15:48:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-17-G	Lab Sample ID:	480-92332-17	Worklist Smp#:	7
Client ID:	B16-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

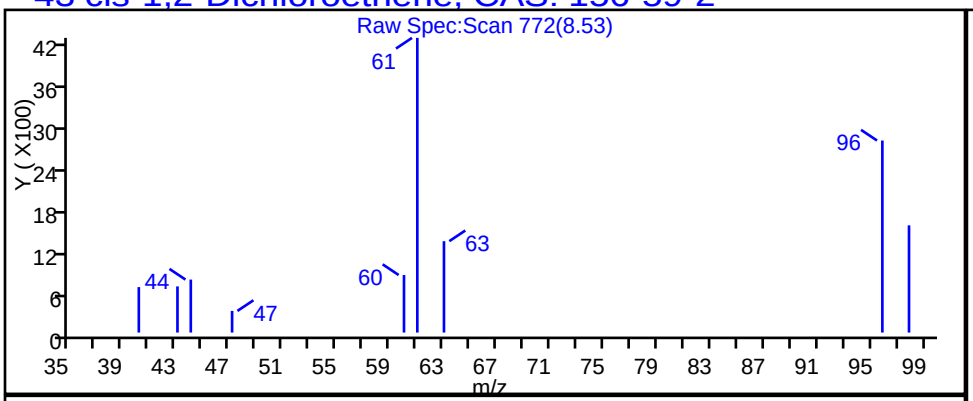
Column: ZB-624 (0.25 mm)

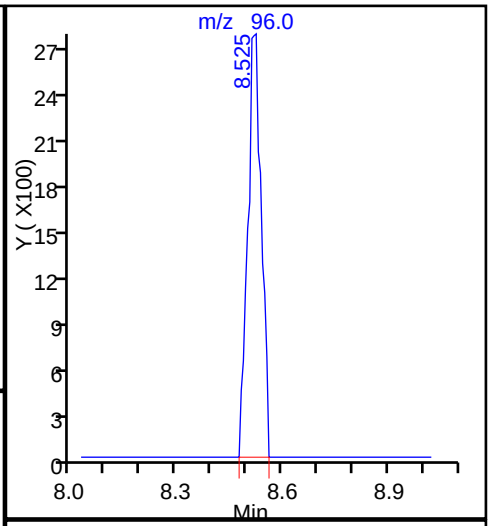


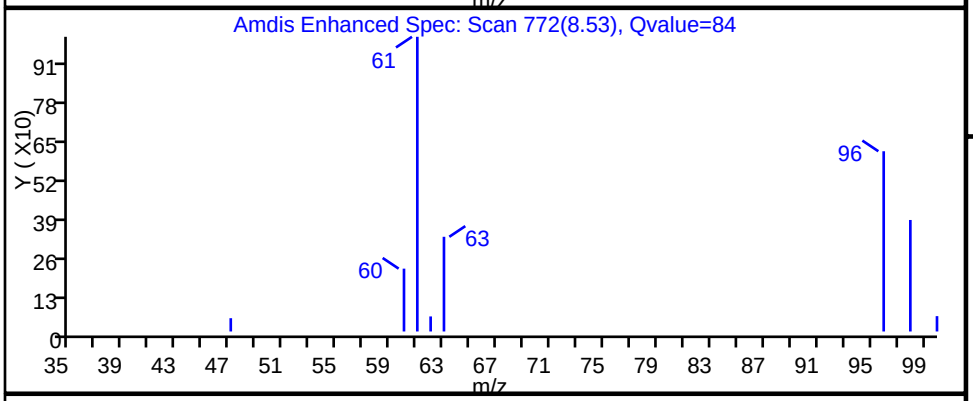
TestAmerica Buffalo

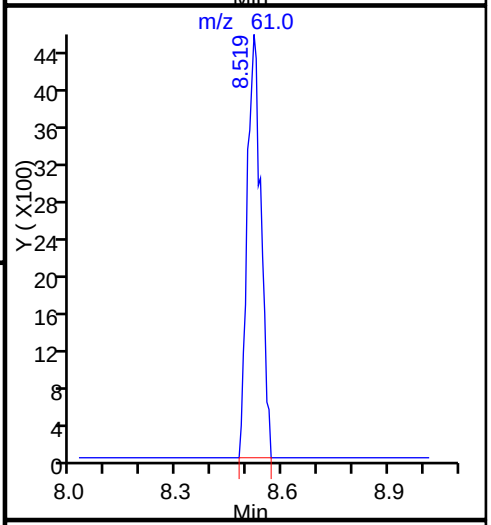
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2377.D				
Injection Date:	15-Dec-2015 15:48:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-17-G	Lab Sample ID:	480-92332-17		
Client ID:	B16-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	1	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

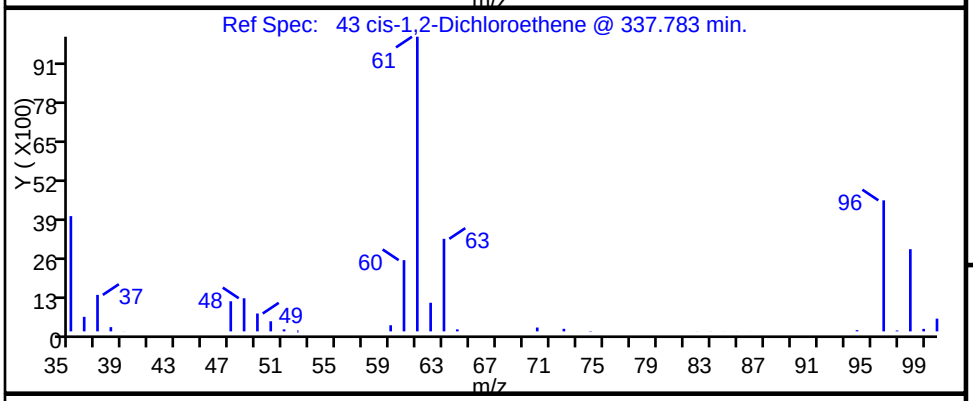
43 cis-1,2-Dichloroethene, CAS: 156-59-2

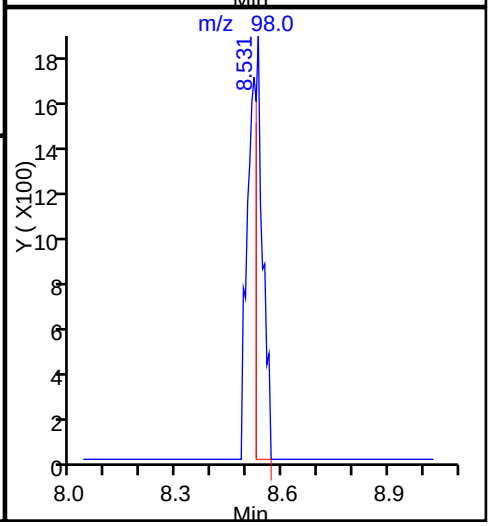


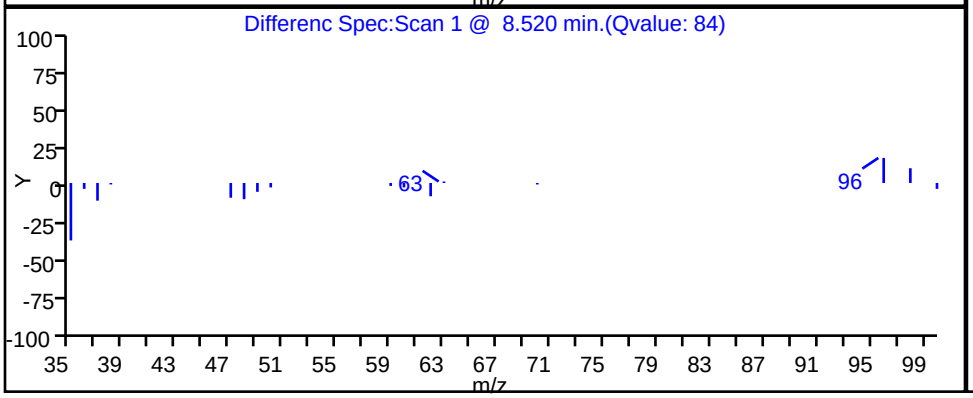












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B17-AREA2-S1 | Lab Sample ID: 480-92332-18

Matrix: Solid | Lab File ID: P2407.D

Analysis Method: 8260C | Date Collected: 12/08/2015 13:10

Sample wt/vol: 5.05(g) | Date Analyzed: 12/16/2015 13:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.8 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.6	0.91
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
79-00-5	1,1,2-Trichloroethane	ND	*	5.6	0.73
75-34-3	1,1-Dichloroethane	ND		5.6	0.68
75-35-4	1,1-Dichloroethene	ND		5.6	0.69
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.6	2.8
106-93-4	1,2-Dibromoethane	ND	*	5.6	0.72
95-50-1	1,2-Dichlorobenzene	ND	*	5.6	0.44
107-06-2	1,2-Dichloroethane	ND		5.6	0.28
78-87-5	1,2-Dichloropropane	ND		5.6	2.8
541-73-1	1,3-Dichlorobenzene	ND	*	5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND	*	5.6	0.79
78-93-3	2-Butanone (MEK)	ND		28	2.1
591-78-6	2-Hexanone	ND	*	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	28	1.8
67-64-1	Acetone	6.3	J B	28	4.7
71-43-2	Benzene	ND		5.6	0.27
75-27-4	Bromodichloromethane	ND		5.6	0.75
75-25-2	Bromoform	ND	*	5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.51
75-15-0	Carbon disulfide	ND		5.6	2.8
56-23-5	Carbon tetrachloride	ND		5.6	0.54
108-90-7	Chlorobenzene	ND	*	5.6	0.74
75-00-3	Chloroethane	ND		5.6	1.3
67-66-3	Chloroform	ND		5.6	0.35
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	1.1	J	5.6	0.72
10061-01-5	cis-1,3-Dichloropropene	ND		5.6	0.81
110-82-7	Cyclohexane	ND		5.6	0.79
124-48-1	Dibromochloromethane	ND	*	5.6	0.72
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	ND	*	5.6	0.39
98-82-8	Isopropylbenzene	ND	*	5.6	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B17-AREA2-S1 | Lab Sample ID: 480-92332-18

Matrix: Solid | Lab File ID: P2407.D

Analysis Method: 8260C | Date Collected: 12/08/2015 13:10

Sample wt/vol: 5.05(g) | Date Analyzed: 12/16/2015 13:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.8 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.6	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND		5.6	0.85
75-09-2	Methylene Chloride	ND		5.6	2.6
100-42-5	Styrene	ND	*	5.6	0.28
127-18-4	Tetrachloroethene	ND	*	5.6	0.75
108-88-3	Toluene	0.75	J B *	5.6	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.6	2.5
79-01-6	Trichloroethene	ND		5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	3.0	J	5.6	0.68
1330-20-7	Xylenes, Total	ND		11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	46	X *	72-126
2037-26-5	Toluene-d8 (Surr)	139	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2407.D
Lims ID: 480-92332-A-18-B Lab Sample ID: 480-92332-18
Client ID: B17-AREA2-S1
Sample Type: Client
Inject. Date: 16-Dec-2015 13:46:30 ALS Bottle#: 3 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-18-B
Misc. Info.: 480-0049276-010
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:46:53 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:46:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.894	0.012	98	260985	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.837	0.005	89	258211	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	87020	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	214671	53.2	
$ 5 Toluene-d8 (Surr)	98	11.877	11.872	0.005	93	783851	69.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	90934	23.1	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62	4.559	4.565	-0.006	93	15826	2.69	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.420	6.390	0.030	98	16698	5.58	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76		6.774				ND	
31 Methylene Chloride	84	6.992	6.980	0.012	95	32751	1.91	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.520	0.011	81	7992	1.00	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95		10.345				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	97	6120	0.6674	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

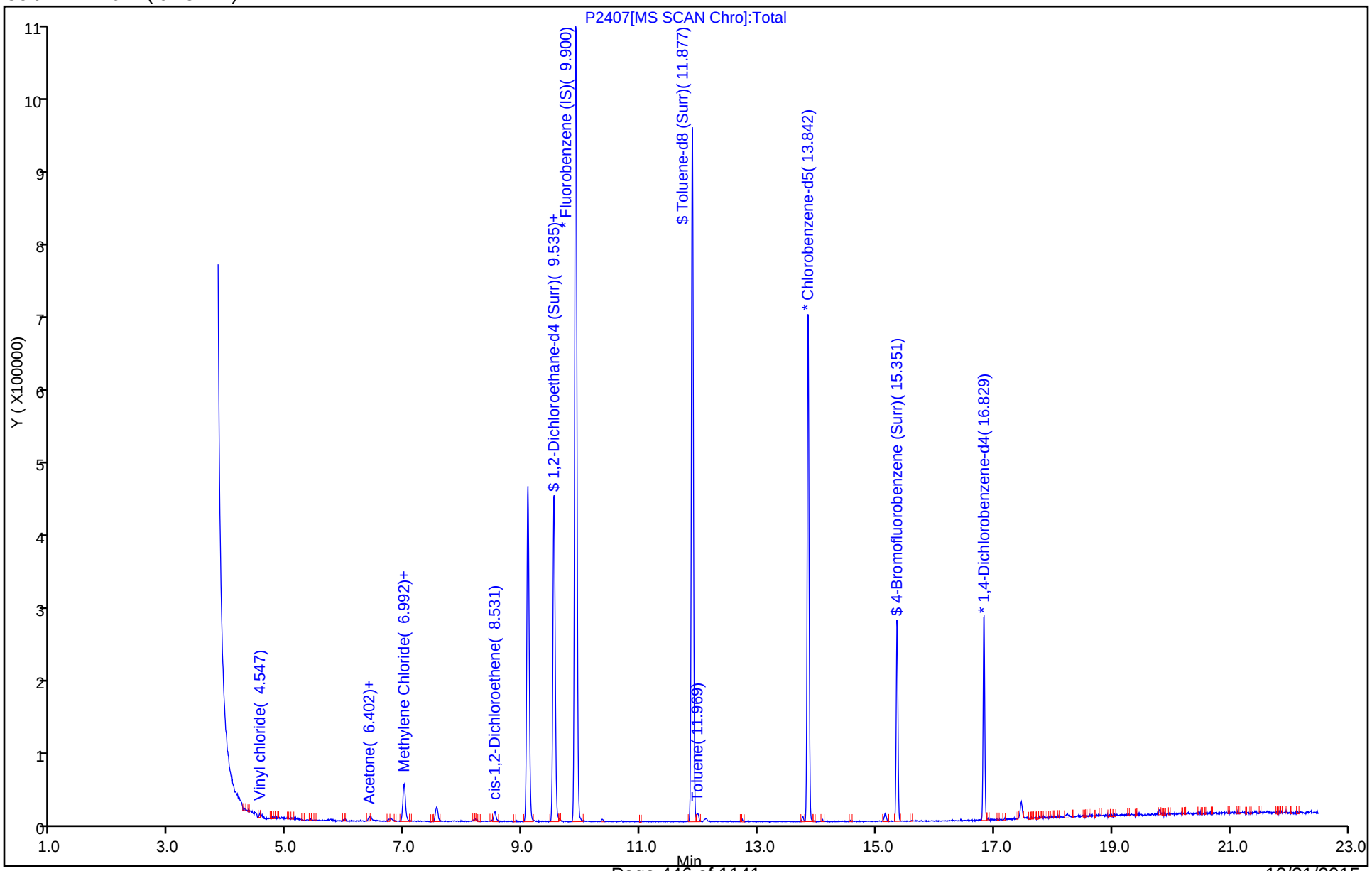
Report Date: 16-Dec-2015 18:46:54 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2407.D

Injection Date:	16-Dec-2015 13:46:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-18-B	Lab Sample ID:	480-92332-18	Worklist Smp#:	10
Client ID:	B17-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



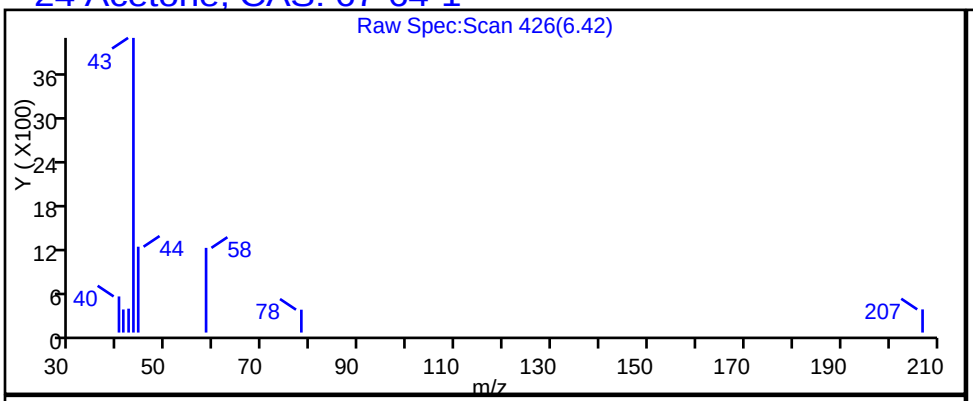
Report Date: 16-Dec-2015 18:46:54 Chrom Revision: 2.2 02-Dec-2015 11:51:48

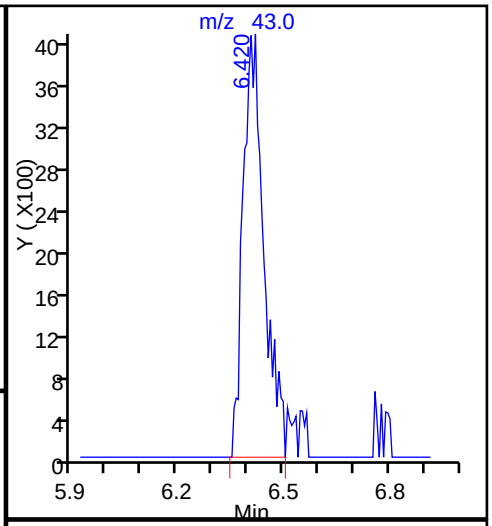
TestAmerica Buffalo

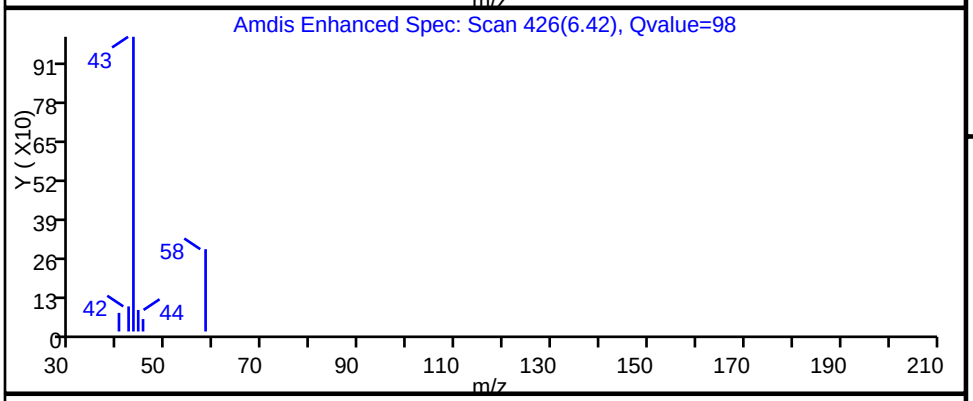
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2407.D

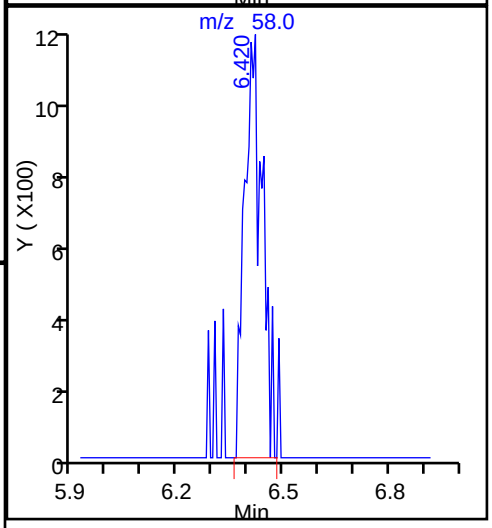
Injection Date:	16-Dec-2015 13:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-18-B	Lab Sample ID:	480-92332-18		
Client ID:	B17-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

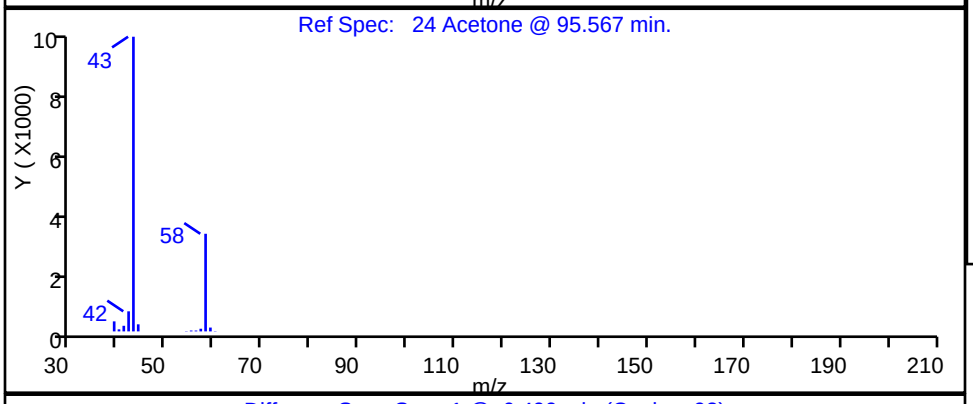
24 Acetone, CAS: 67-64-1

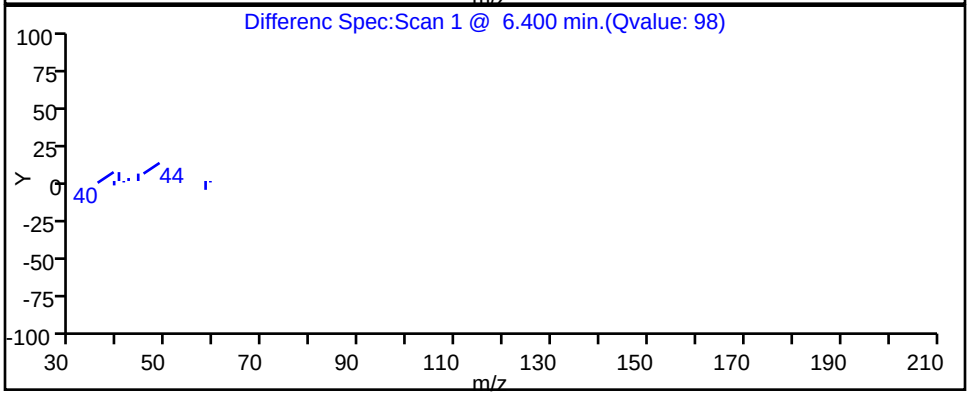










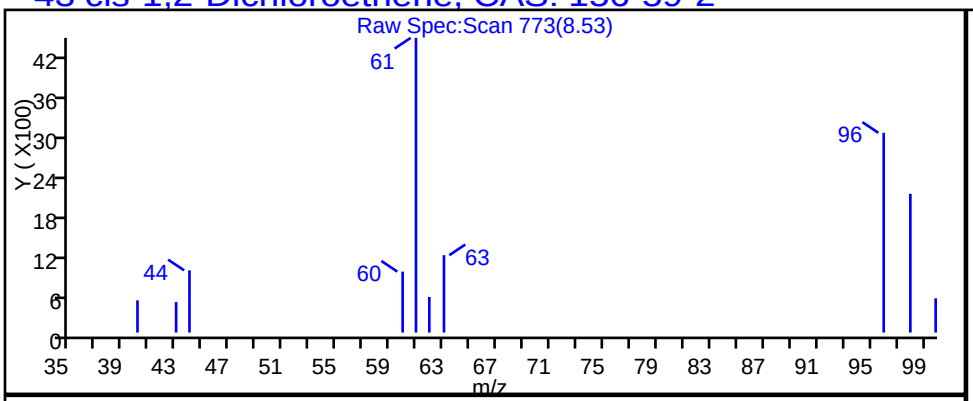


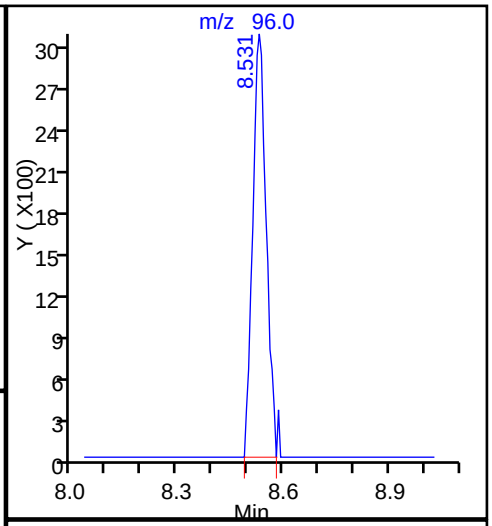
TestAmerica Buffalo

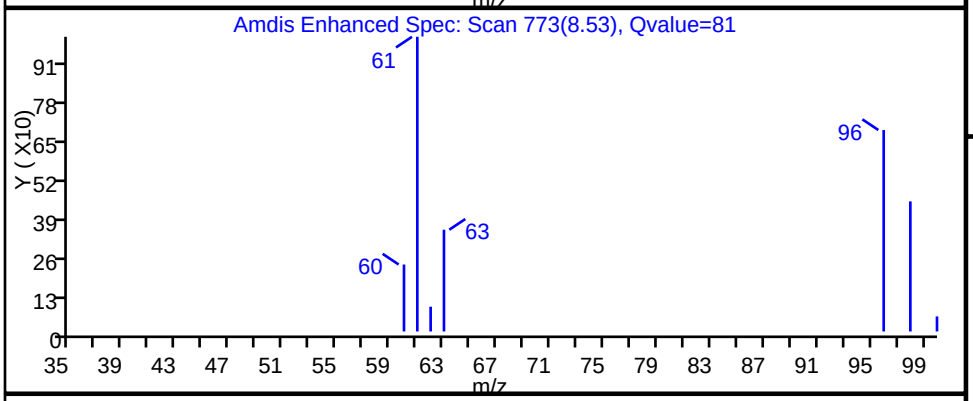
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2407.D

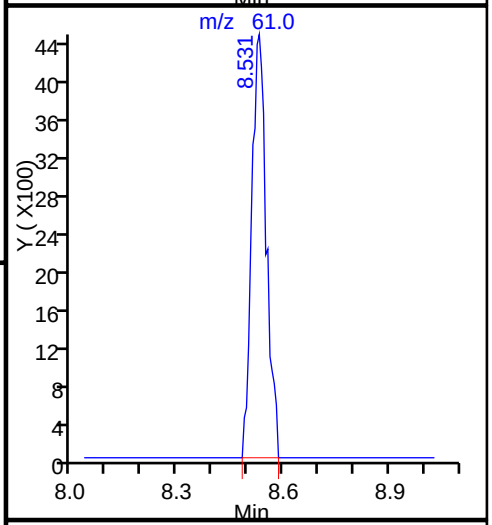
Injection Date:	16-Dec-2015 13:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-18-B	Lab Sample ID:	480-92332-18		
Client ID:	B17-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

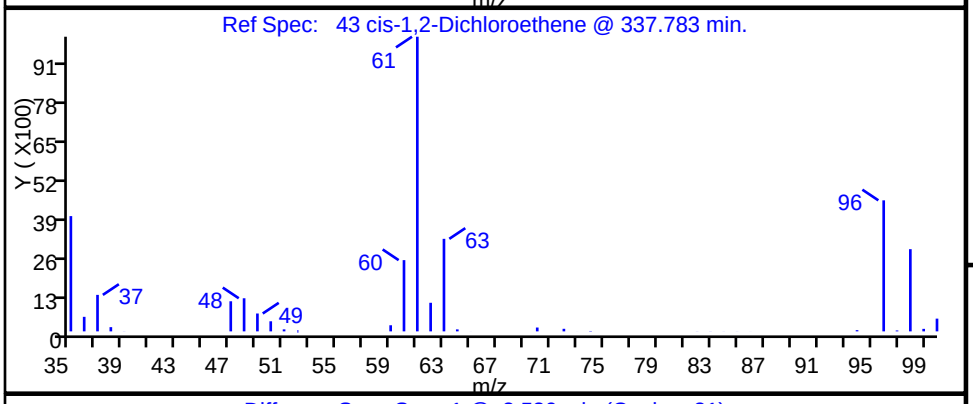
43 cis-1,2-Dichloroethene, CAS: 156-59-2

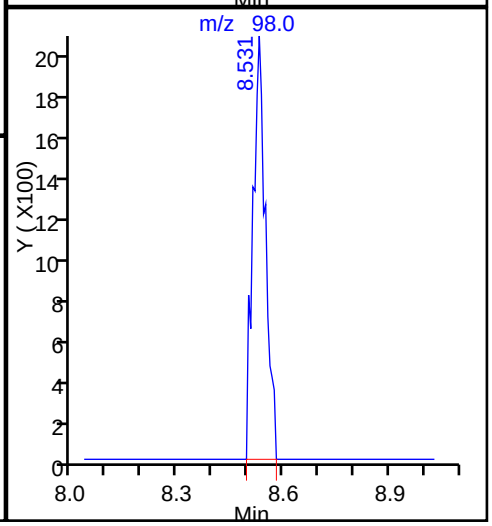


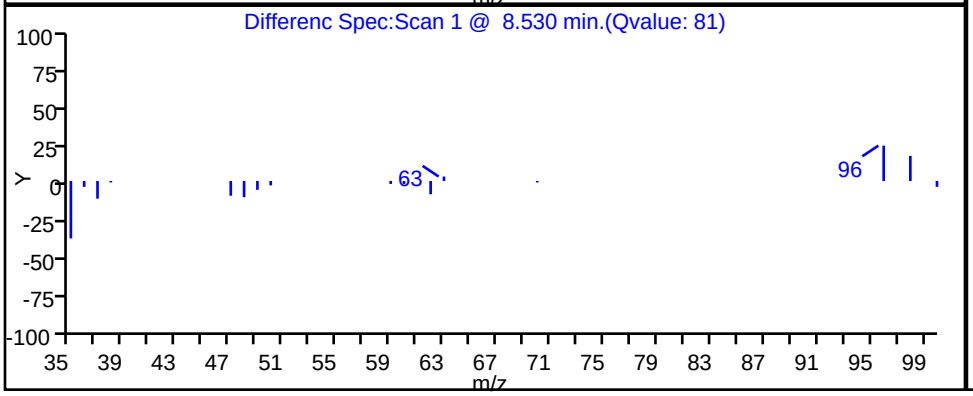










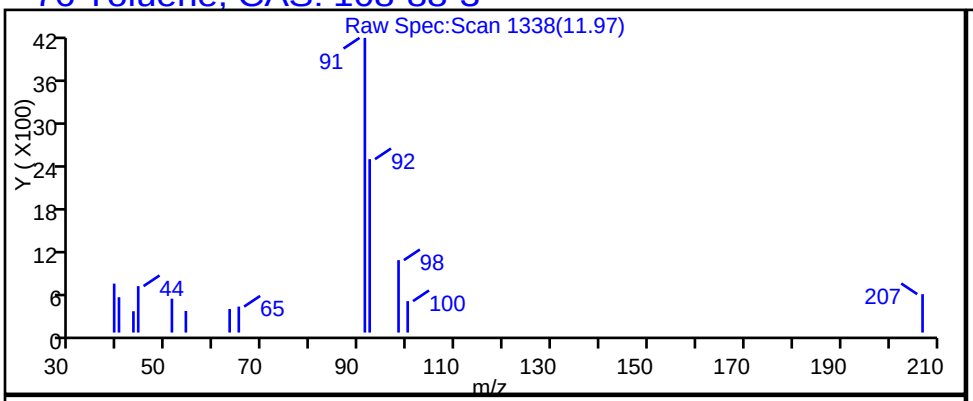


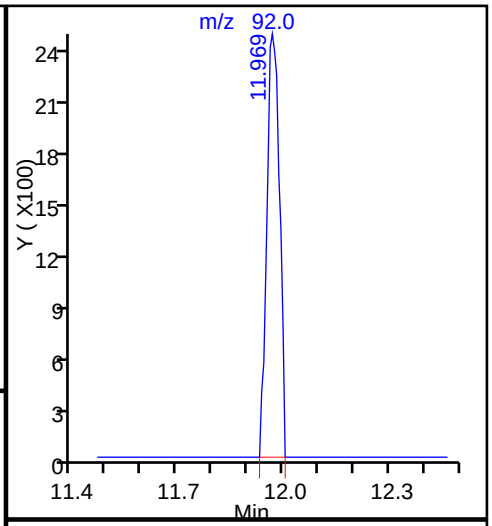
TestAmerica Buffalo

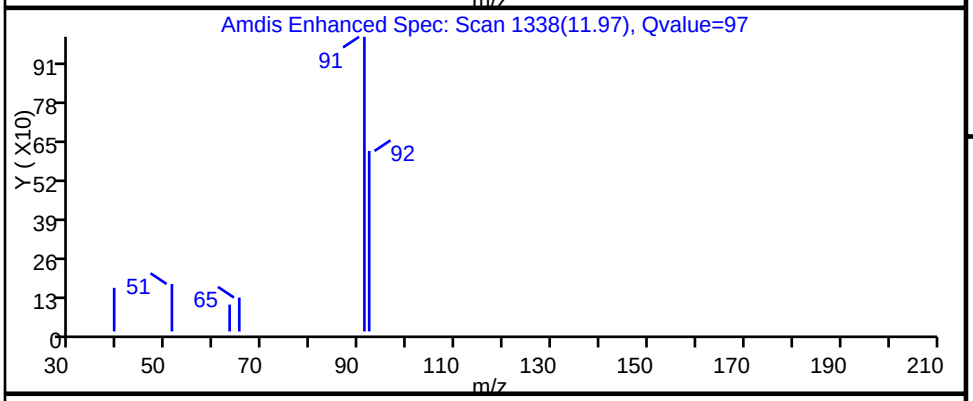
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2407.D

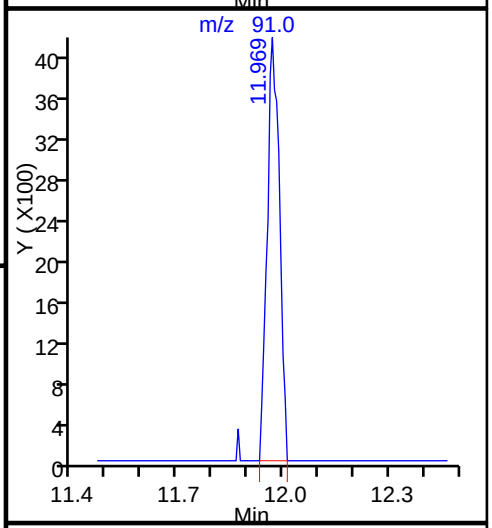
Injection Date:	16-Dec-2015 13:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-18-B	Lab Sample ID:	480-92332-18		
Client ID:	B17-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

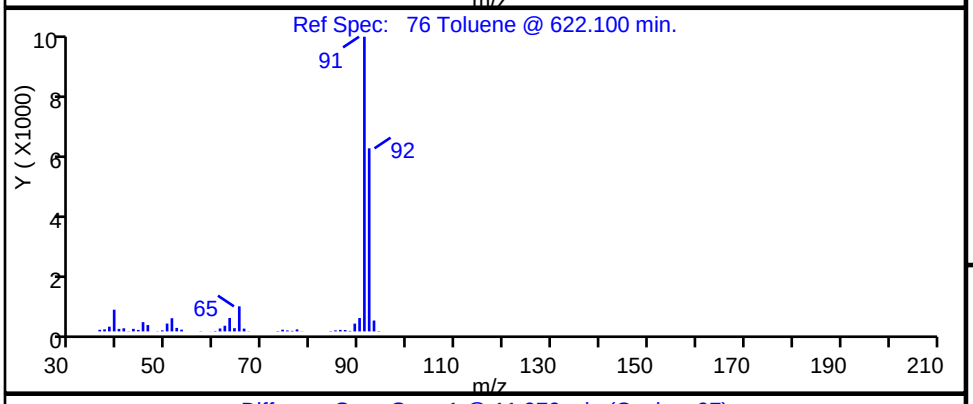
76 Toluene, CAS: 108-88-3

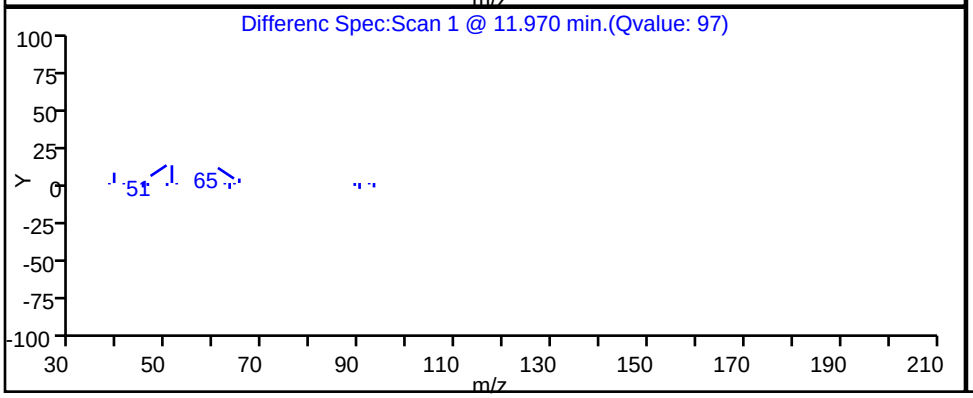


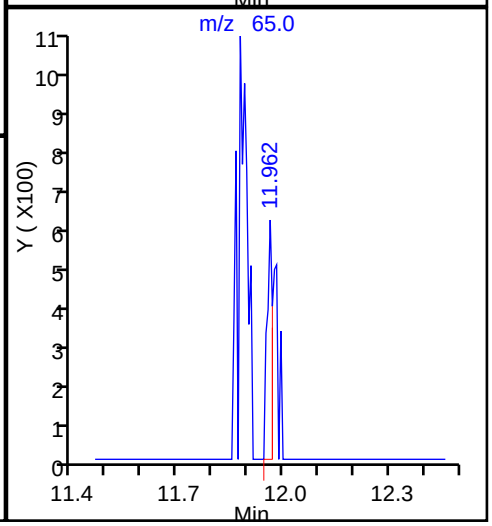












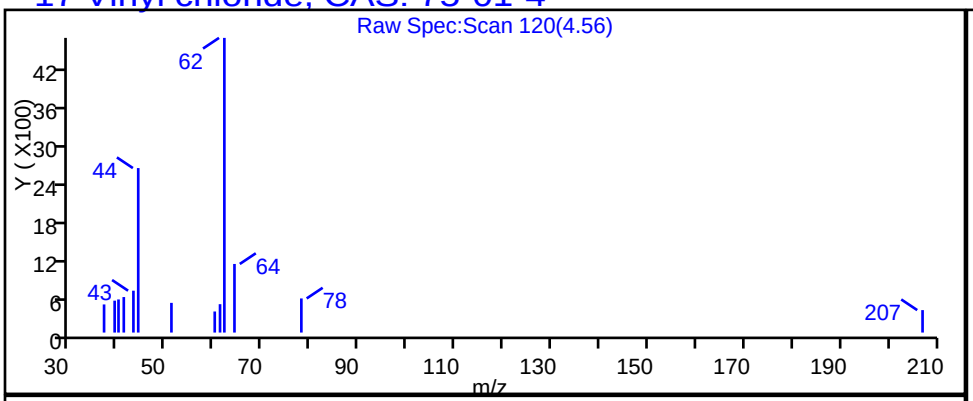
Report Date: 16-Dec-2015 18:46:54 Chrom Revision: 2.2 02-Dec-2015 11:51:48

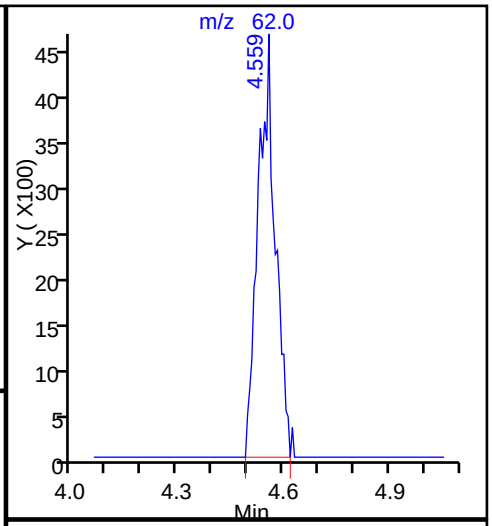
TestAmerica Buffalo

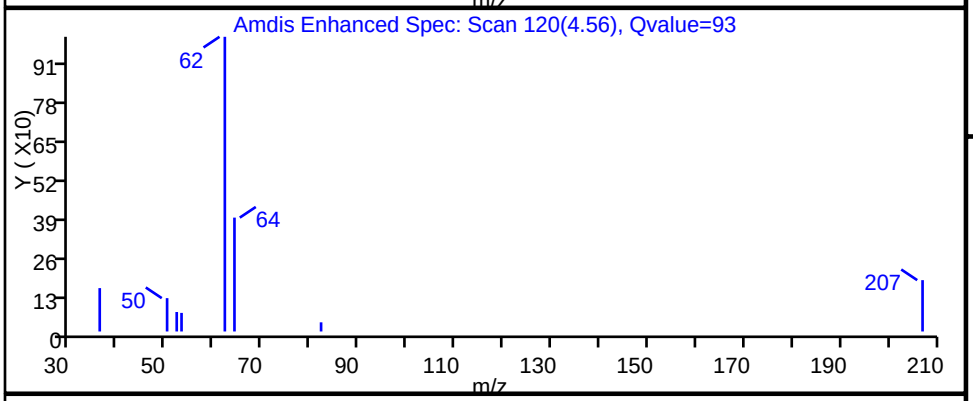
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2407.D

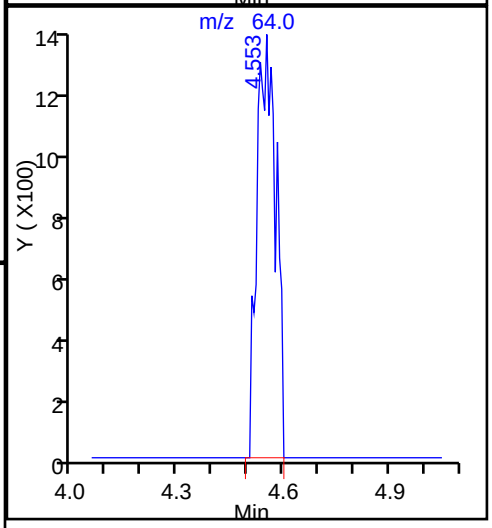
Injection Date:	16-Dec-2015 13:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-18-B	Lab Sample ID:	480-92332-18		
Client ID:	B17-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

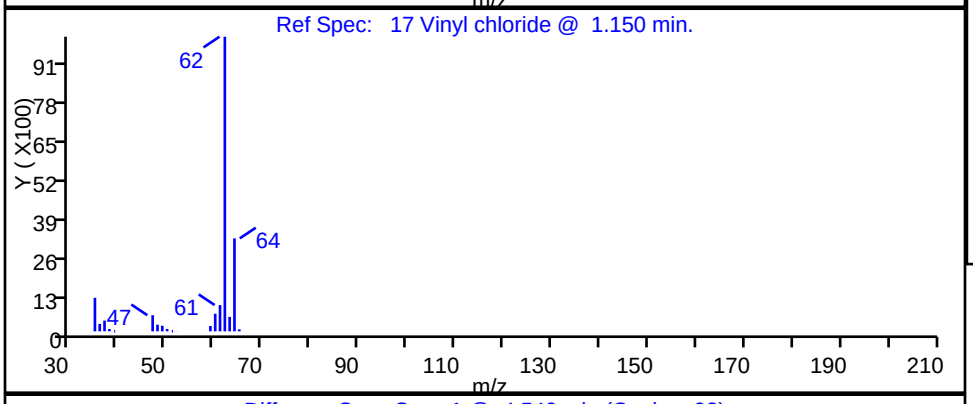
17 Vinyl chloride, CAS: 75-01-4

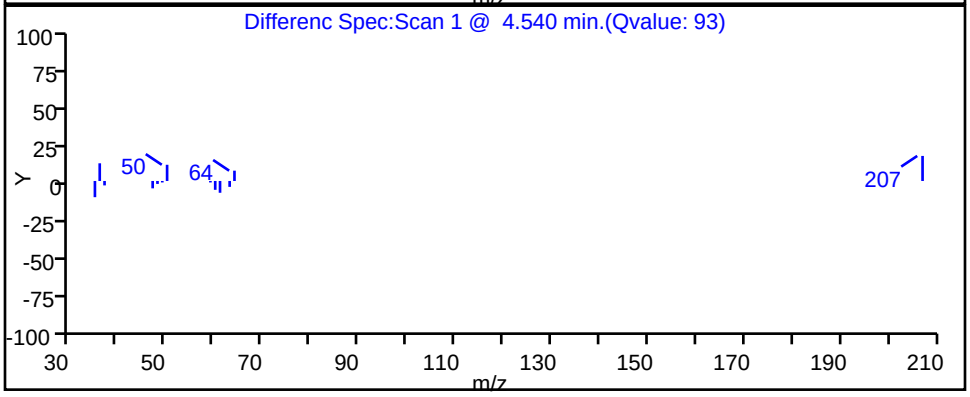












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B17-AREA2-S2 | Lab Sample ID: 480-92332-19

Matrix: Solid | Lab File ID: P2408.D

Analysis Method: 8260C | Date Collected: 12/08/2015 13:20

Sample wt/vol: 5.09(g) | Date Analyzed: 12/16/2015 14:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	6.0	0.98
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.4
79-00-5	1,1,2-Trichloroethane	ND		6.0	0.79
75-34-3	1,1-Dichloroethane	ND		6.0	0.74
75-35-4	1,1-Dichloroethene	ND		6.0	0.74
120-82-1	1,2,4-Trichlorobenzene	ND	*	6.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	6.0	3.0
106-93-4	1,2-Dibromoethane	ND		6.0	0.78
95-50-1	1,2-Dichlorobenzene	ND	*	6.0	0.47
107-06-2	1,2-Dichloroethane	ND		6.0	0.30
78-87-5	1,2-Dichloropropane	ND		6.0	3.0
541-73-1	1,3-Dichlorobenzene	ND	*	6.0	0.31
106-46-7	1,4-Dichlorobenzene	ND	*	6.0	0.85
78-93-3	2-Butanone (MEK)	ND		30	2.2
591-78-6	2-Hexanone	ND		30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		30	2.0
67-64-1	Acetone	8.2	J B	30	5.1
71-43-2	Benzene	ND		6.0	0.30
75-27-4	Bromodichloromethane	ND		6.0	0.81
75-25-2	Bromoform	ND		6.0	3.0
74-83-9	Bromomethane	ND		6.0	0.54
75-15-0	Carbon disulfide	ND		6.0	3.0
56-23-5	Carbon tetrachloride	ND		6.0	0.59
108-90-7	Chlorobenzene	ND		6.0	0.80
75-00-3	Chloroethane	ND		6.0	1.4
67-66-3	Chloroform	ND		6.0	0.37
74-87-3	Chloromethane	ND		6.0	0.37
156-59-2	cis-1,2-Dichloroethene	ND		6.0	0.77
10061-01-5	cis-1,3-Dichloropropene	ND		6.0	0.87
110-82-7	Cyclohexane	ND		6.0	0.85
124-48-1	Dibromochloromethane	ND		6.0	0.77
75-71-8	Dichlorodifluoromethane	ND		6.0	0.50
100-41-4	Ethylbenzene	ND		6.0	0.42
98-82-8	Isopropylbenzene	ND	*	6.0	0.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B17-AREA2-S2 | Lab Sample ID: 480-92332-19

Matrix: Solid | Lab File ID: P2408.D

Analysis Method: 8260C | Date Collected: 12/08/2015 13:20

Sample wt/vol: 5.09(g) | Date Analyzed: 12/16/2015 14:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.0	3.7
1634-04-4	Methyl tert-butyl ether	ND		6.0	0.59
108-87-2	Methylcyclohexane	ND		6.0	0.92
75-09-2	Methylene Chloride	ND		6.0	2.8
100-42-5	Styrene	ND		6.0	0.30
127-18-4	Tetrachloroethene	ND		6.0	0.81
108-88-3	Toluene	0.60	J B	6.0	0.46
156-60-5	trans-1,2-Dichloroethene	ND		6.0	0.62
10061-02-6	trans-1,3-Dichloropropene	ND		6.0	2.7
79-01-6	Trichloroethene	ND		6.0	1.3
75-69-4	Trichlorofluoromethane	ND		6.0	0.57
75-01-4	Vinyl chloride	1.5	J	6.0	0.74
1330-20-7	Xylenes, Total	ND		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	59	X	72-126
2037-26-5	Toluene-d8 (Surr)	126	X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2408.D
Lims ID: 480-92332-A-19-B Lab Sample ID: 480-92332-19
Client ID: B17-AREA2-S2
Sample Type: Client
Inject. Date: 16-Dec-2015 14:13:30 ALS Bottle#: 4 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-19-B
Misc. Info.: 480-0049276-011
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:46:53 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:49:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	296964	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.837	0.006	90	394933	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	173660	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	240261	52.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.872	0.006	93	1085483	62.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	89	178285	29.6	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62	4.541	4.565	-0.024	91	8365	1.25	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.402	6.390	0.012	96	23095	6.79	
30 Methyl acetate	43		6.761				ND	
31 Methylene Chloride	84	6.980	6.980	0.000	95	32198	1.30	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.820				ND	
44 2-Butanone (MEK)	43		8.471				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.351	10.345	0.006	88	2169	0.2446	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	94	6959	0.4961	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

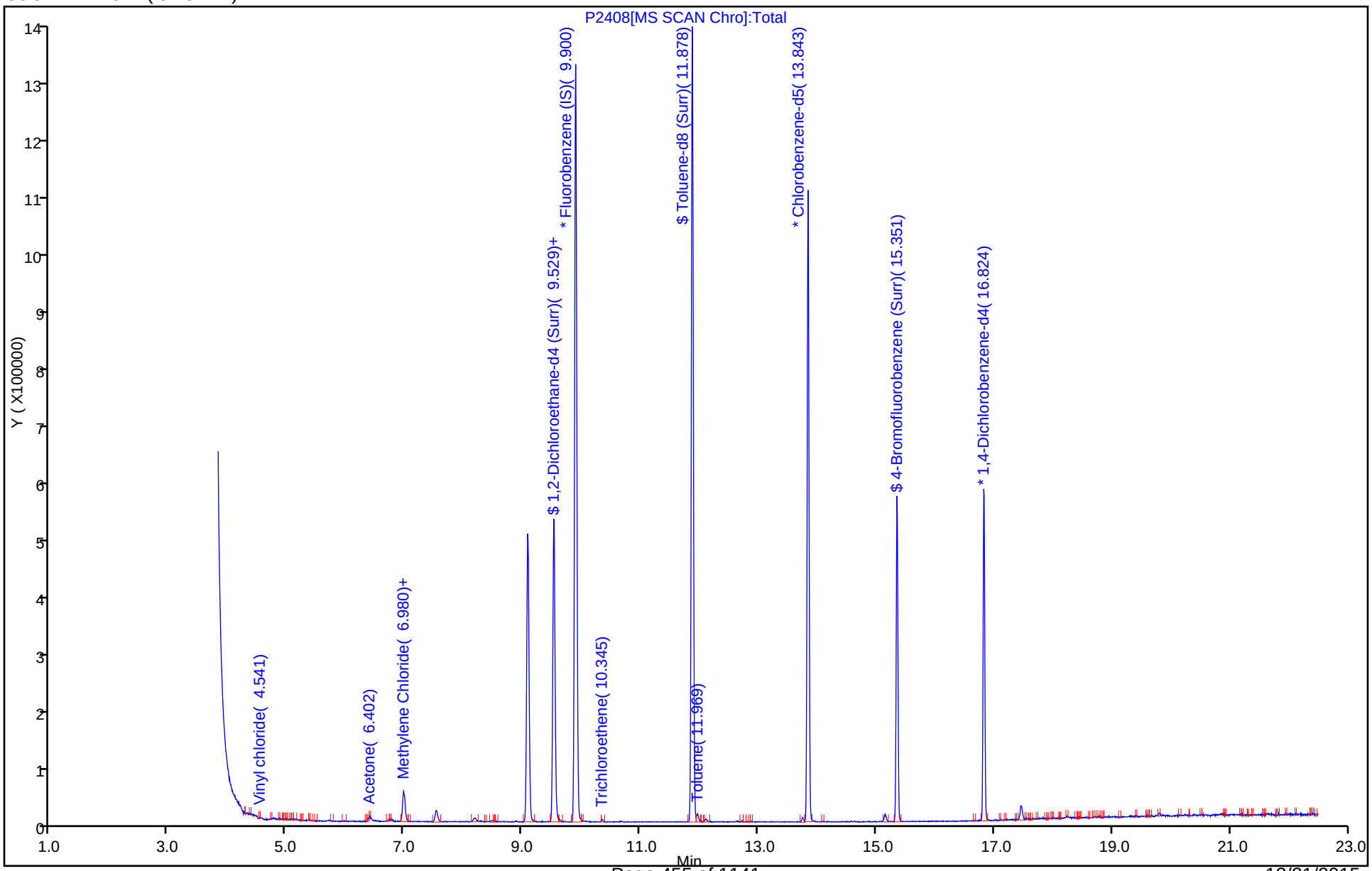
Report Date: 16-Dec-2015 18:49:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2408.D

Injection Date:	16-Dec-2015 14:13:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-19-B	Lab Sample ID:	480-92332-19	Worklist Smp#:	11
Client ID:	B17-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

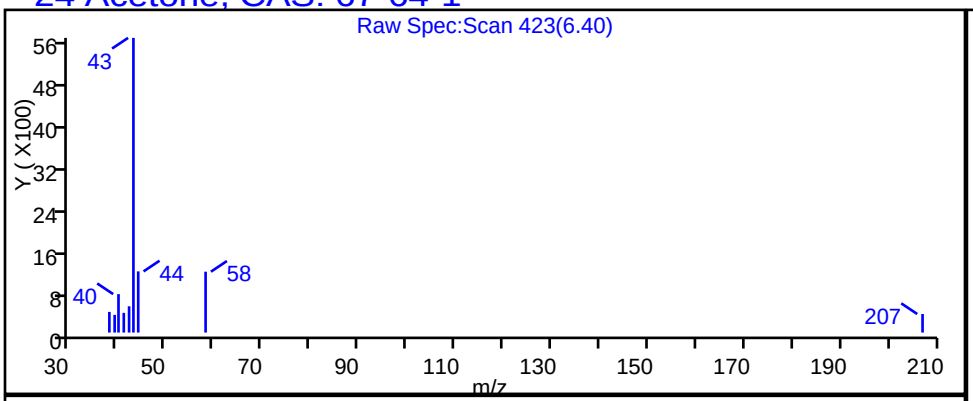


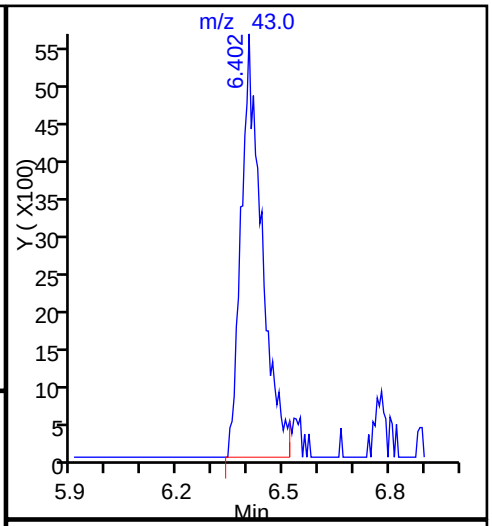
TestAmerica Buffalo

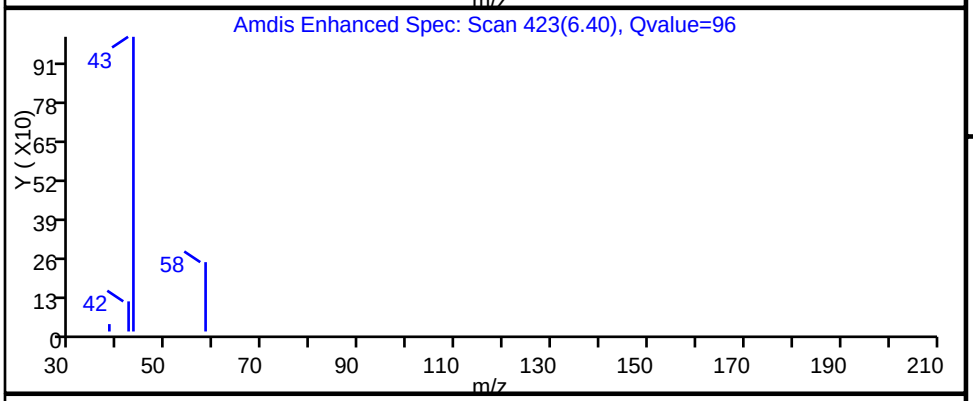
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2408.D

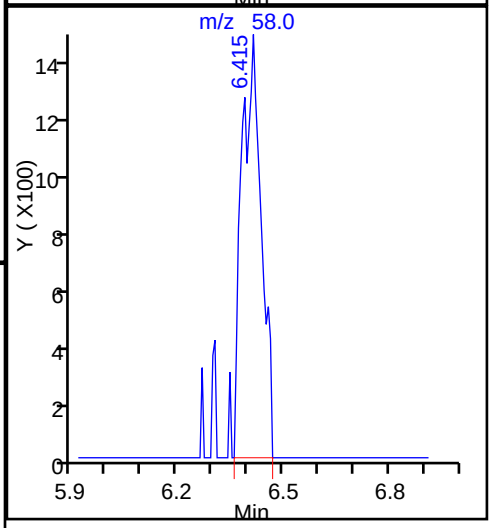
Injection Date:	16-Dec-2015 14:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-19-B	Lab Sample ID:	480-92332-19		
Client ID:	B17-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	4	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

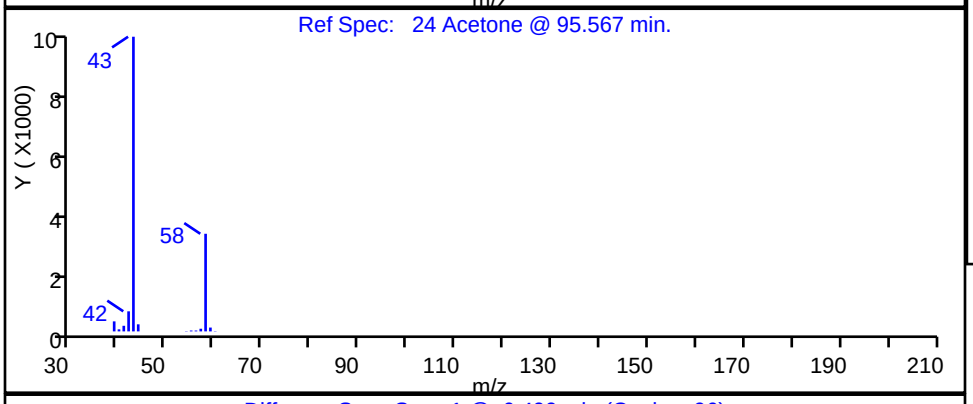
24 Acetone, CAS: 67-64-1

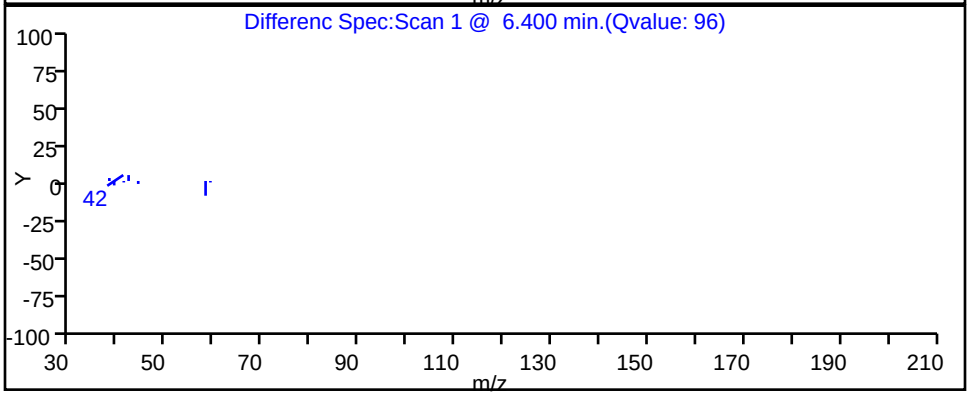








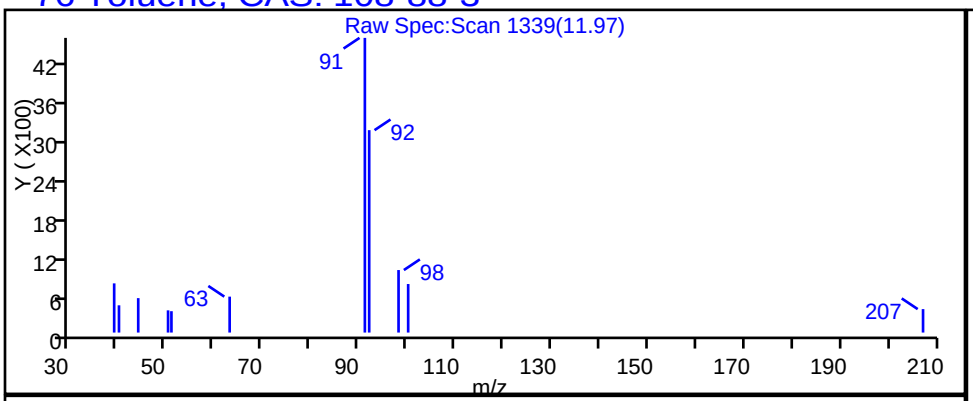


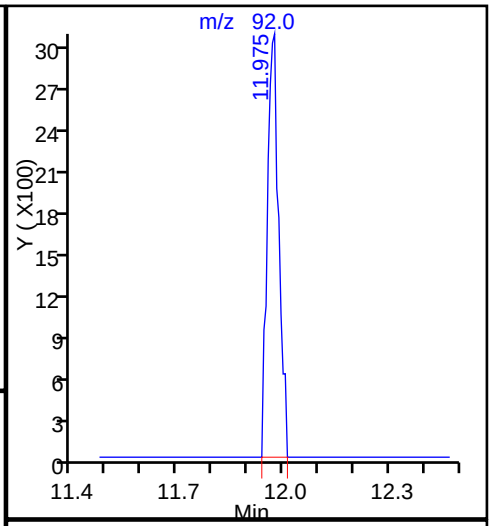


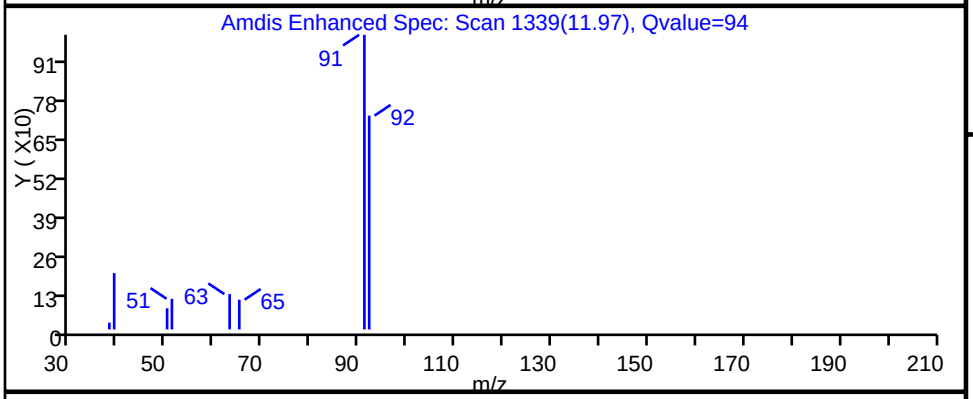
TestAmerica Buffalo

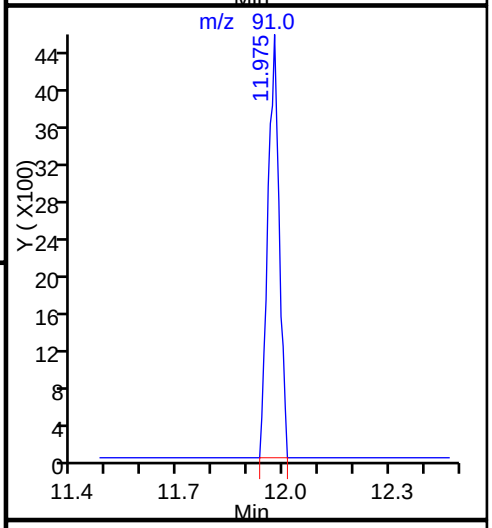
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2408.D				
Injection Date:	16-Dec-2015 14:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-19-B	Lab Sample ID:	480-92332-19		
Client ID:	B17-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	4	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

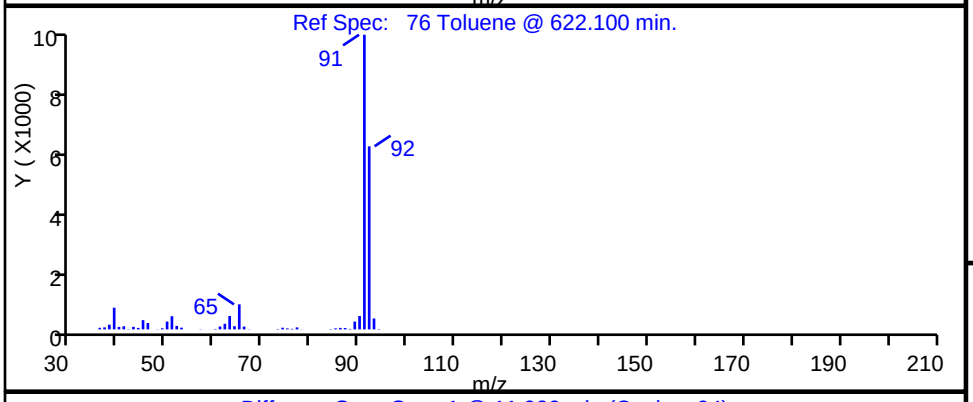
76 Toluene, CAS: 108-88-3

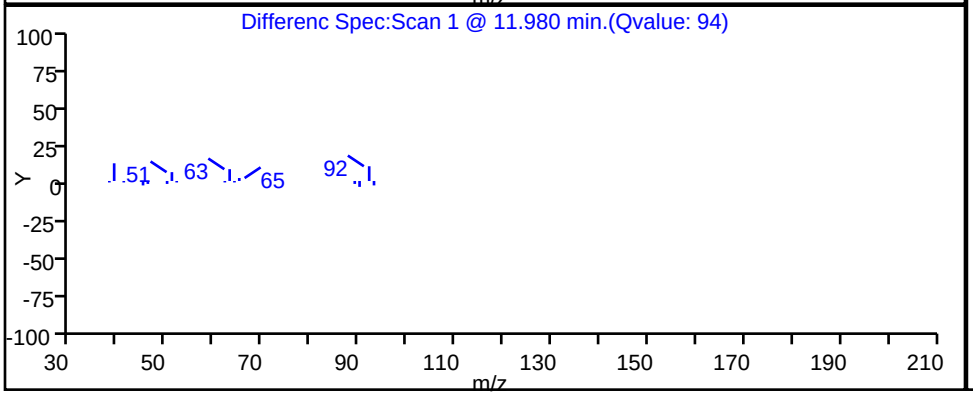


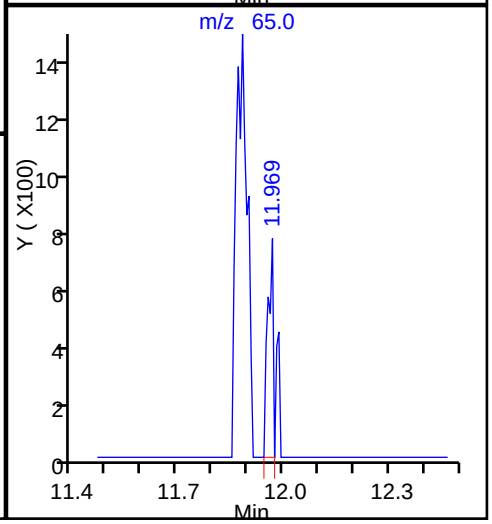












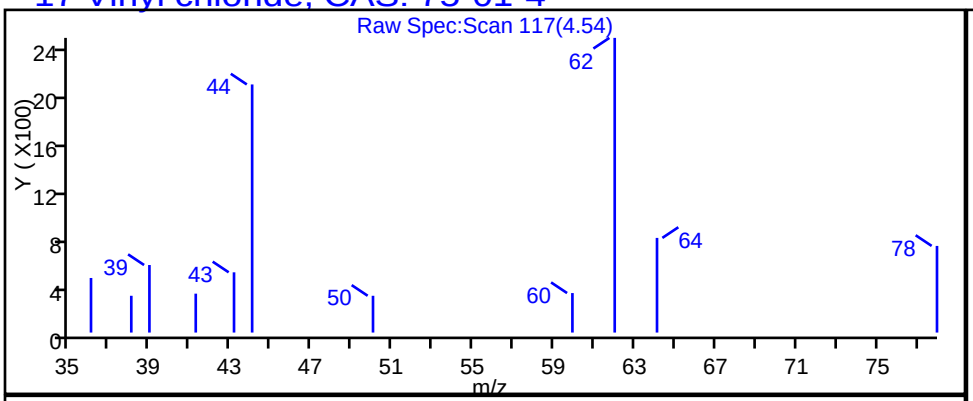
Report Date: 16-Dec-2015 18:49:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

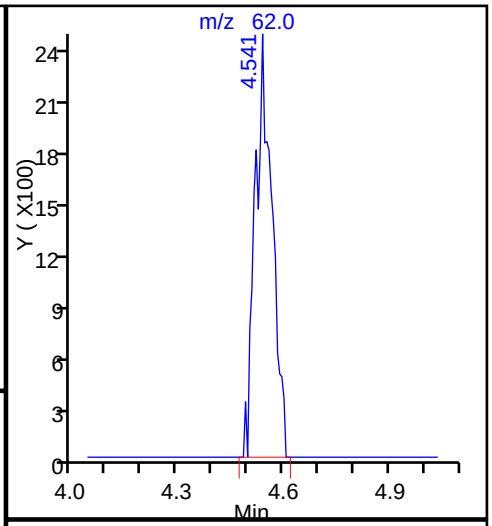
TestAmerica Buffalo

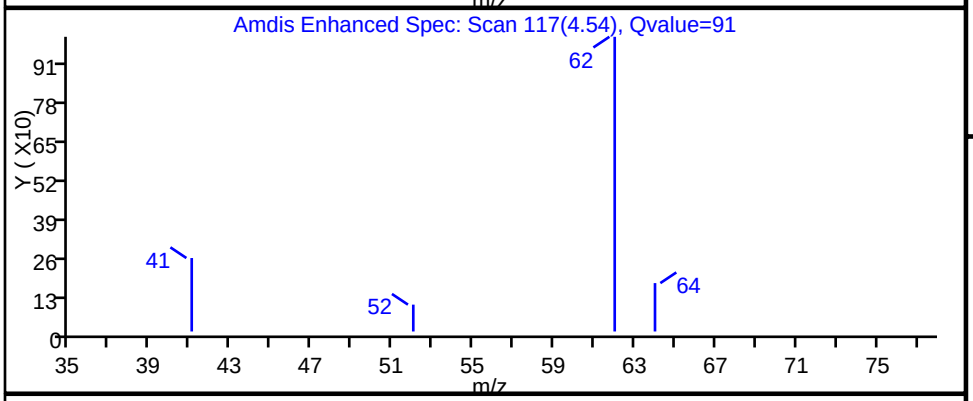
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2408.D

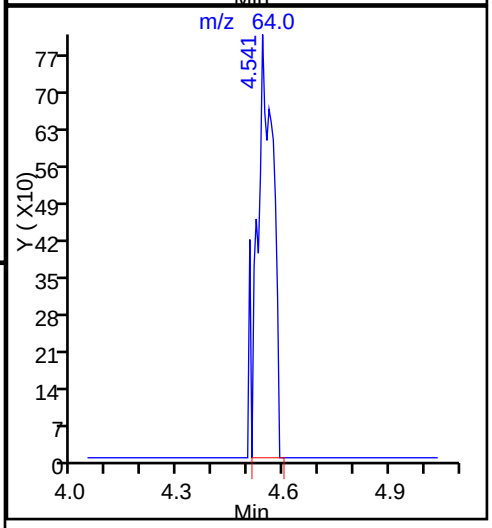
Injection Date:	16-Dec-2015 14:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-19-B	Lab Sample ID:	480-92332-19		
Client ID:	B17-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	4	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

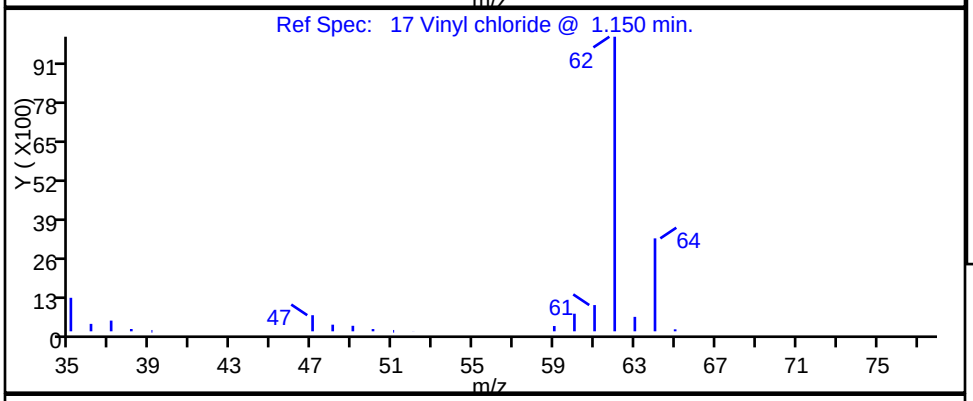
17 Vinyl chloride, CAS: 75-01-4

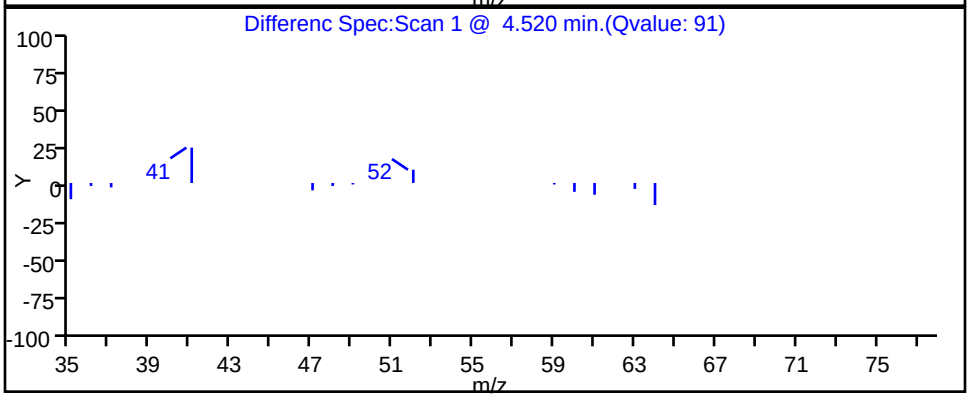












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B27-AREA2-S1 | Lab Sample ID: 480-92332-20

Matrix: Solid | Lab File ID: P2409.D

Analysis Method: 8260C | Date Collected: 12/08/2015 15:10

Sample wt/vol: 5.06(g) | Date Analyzed: 12/16/2015 14:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
75-34-3	1,1-Dichloroethane	1.9	J	5.5	0.66
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.73
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.72
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	60		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.78
110-82-7	Cyclohexane	ND		5.5	0.76
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B27-AREA2-S1 | Lab Sample ID: 480-92332-20

Matrix: Solid | Lab File ID: P2409.D

Analysis Method: 8260C | Date Collected: 12/08/2015 15:10

Sample wt/vol: 5.06(g) | Date Analyzed: 12/16/2015 14:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	ND		5.5	0.73
108-88-3	Toluene	ND		5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	5.6		5.5	0.66
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	86		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2409.D
Lims ID: 480-92332-A-20-B Lab Sample ID: 480-92332-20
Client ID: B27-AREA2-S1
Sample Type: Client
Inject. Date: 16-Dec-2015 14:41:30 ALS Bottle#: 5 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-20-B
Misc. Info.: 480-0049276-012
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:46:53 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:50:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	319959	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.837	0.005	90	616370	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	477634	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	265612	53.7	
$ 5 Toluene-d8 (Surr)	98	11.877	11.872	0.005	93	1344348	49.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	404185	43.0	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62	4.559	4.565	-0.006	98	36781	5.11	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.408	6.390	0.018	97	12189	3.32	
30 Methyl acetate	43		6.761				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.838	7.820	0.018	97	35673	1.78	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.520	0.012	85	537084	55.0	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.363	10.345	0.018	90	9708	1.02	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

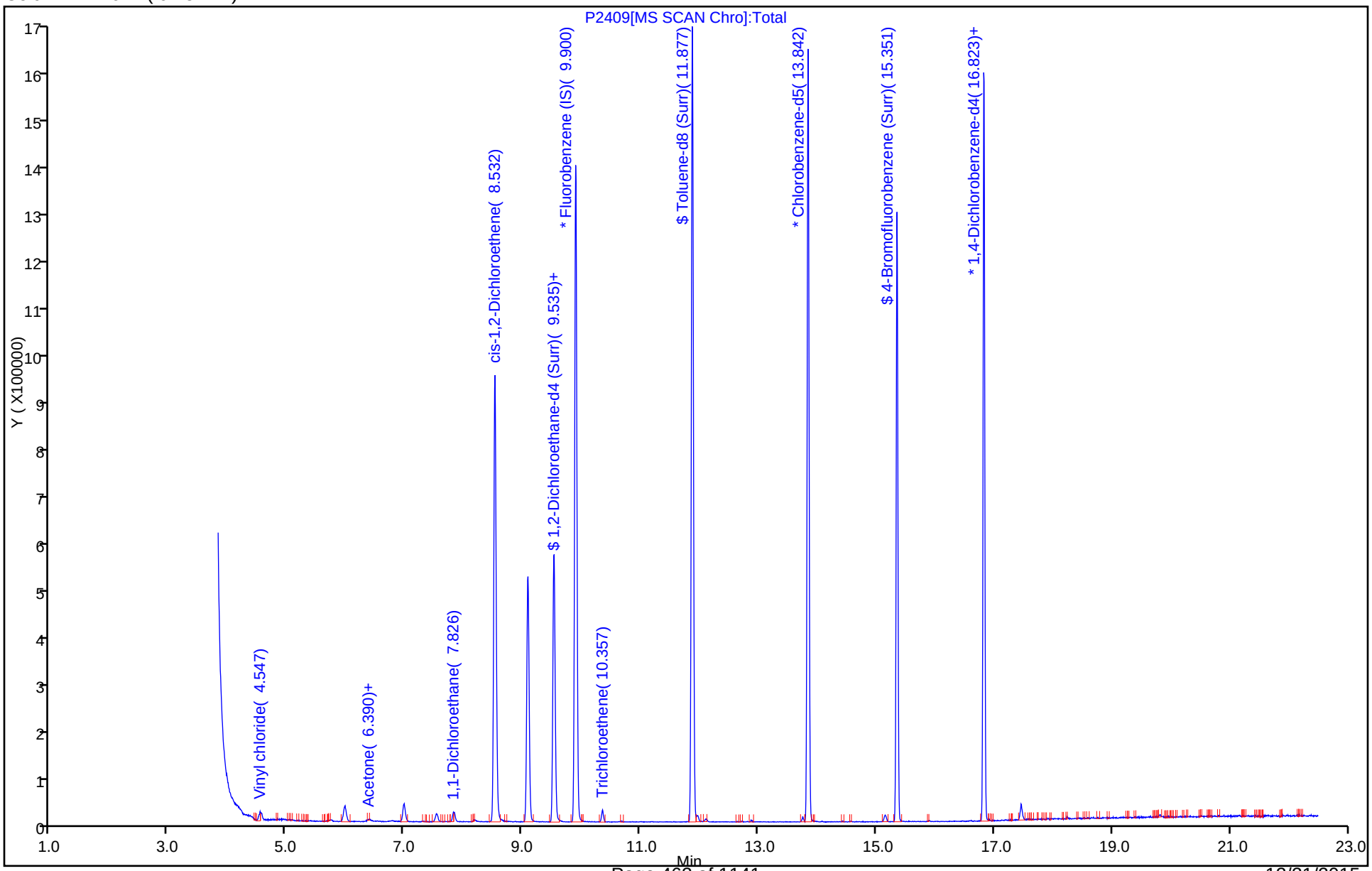
Report Date: 16-Dec-2015 18:50:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2409.D

Injection Date:	16-Dec-2015 14:41:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-20-B	Lab Sample ID:	480-92332-20	Worklist Smp#:	12
Client ID:	B27-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

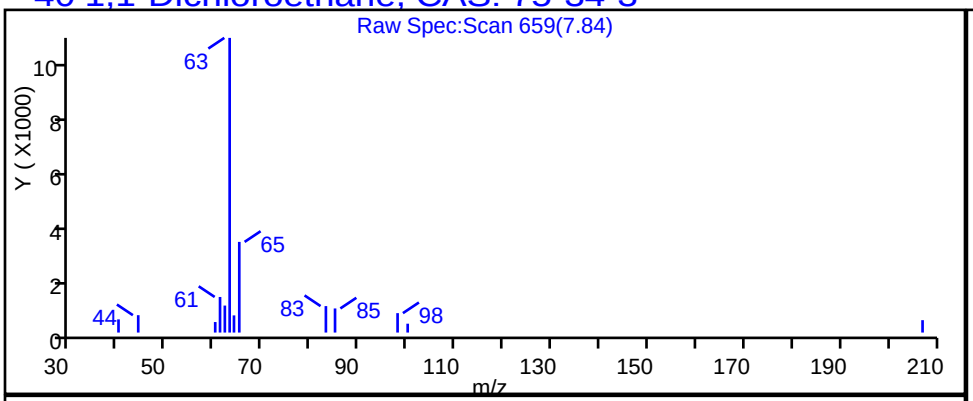


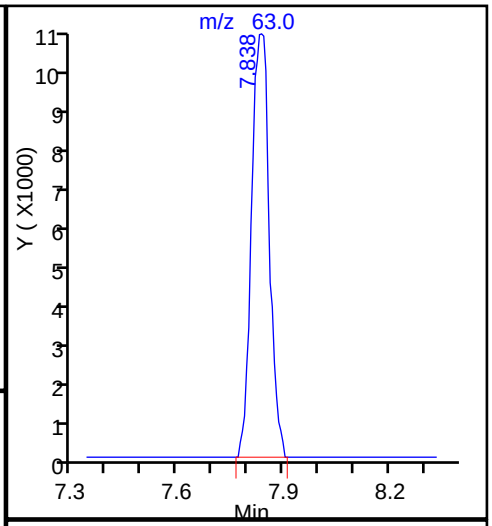
TestAmerica Buffalo

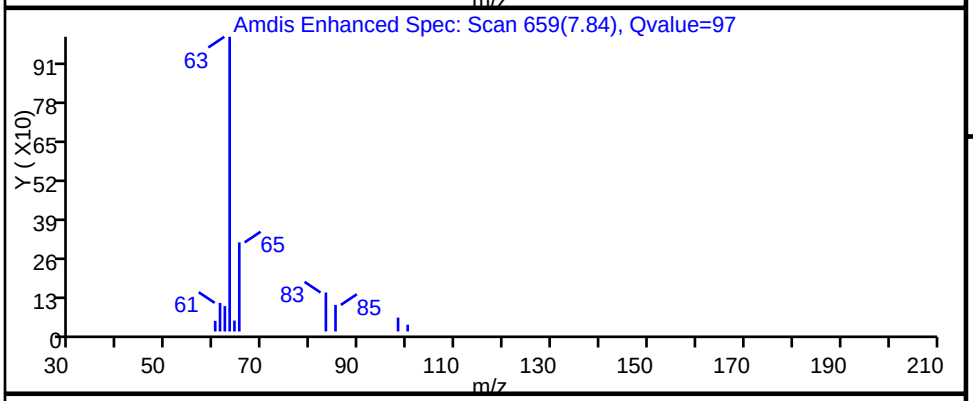
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2409.D

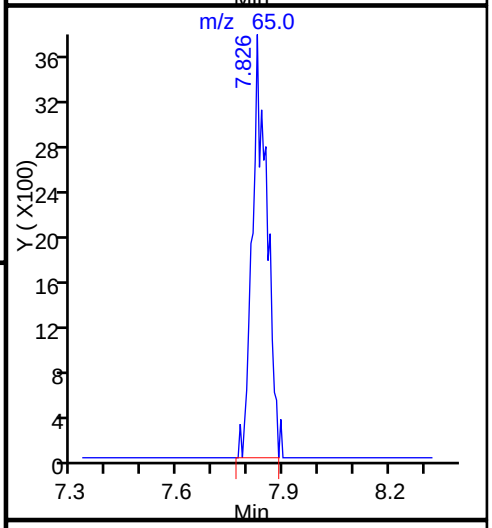
Injection Date:	16-Dec-2015 14:41:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-20-B	Lab Sample ID:	480-92332-20		
Client ID:	B27-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

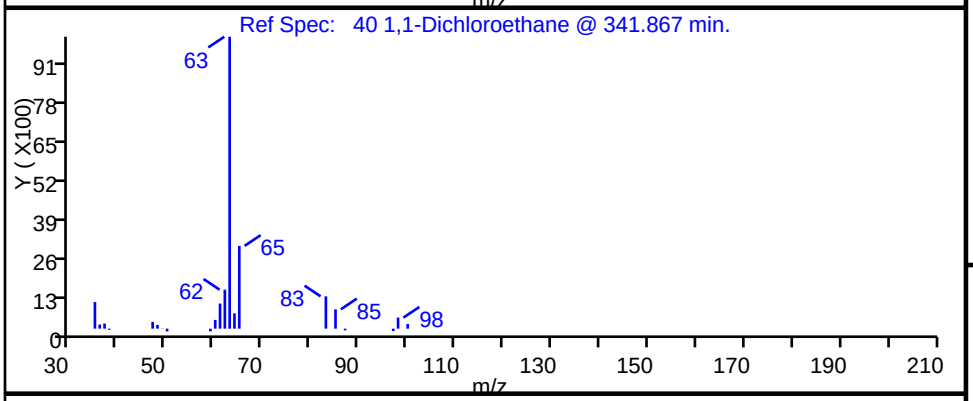
40 1,1-Dichloroethane, CAS: 75-34-3

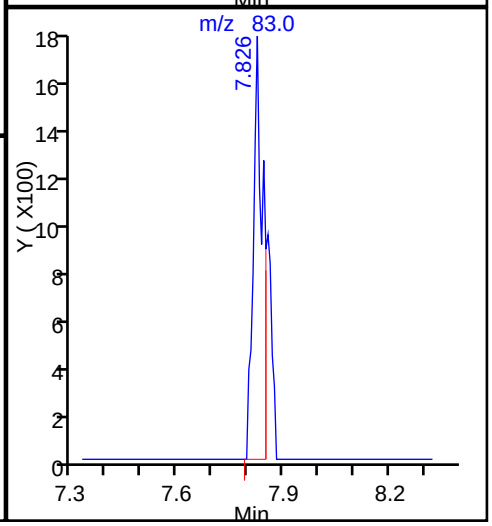


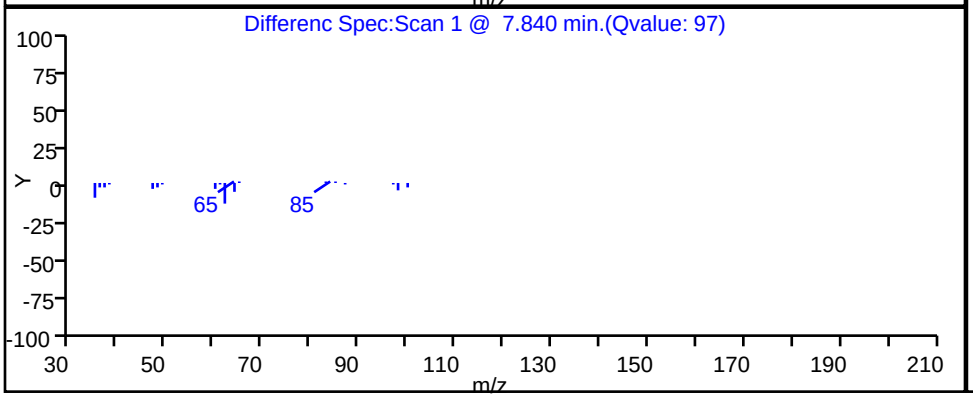












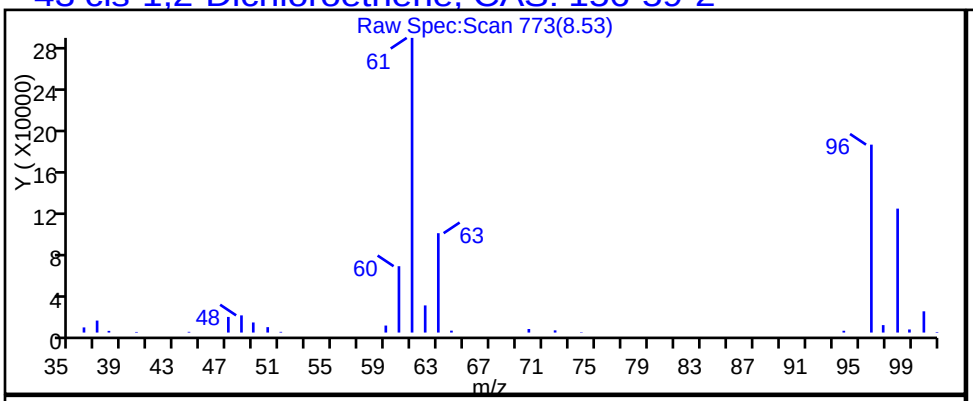
Report Date: 16-Dec-2015 18:50:39 Chrom Revision: 2.2 02-Dec-2015 11:51:48

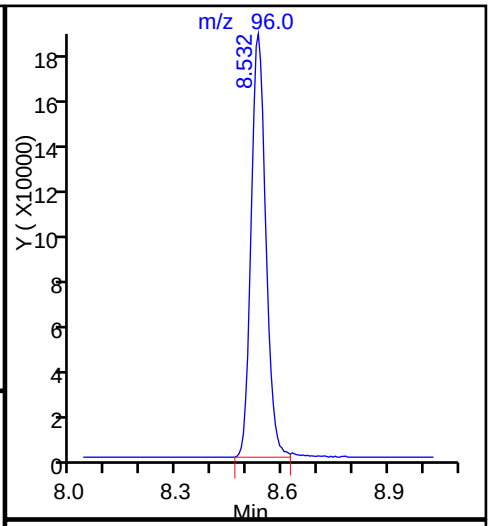
TestAmerica Buffalo

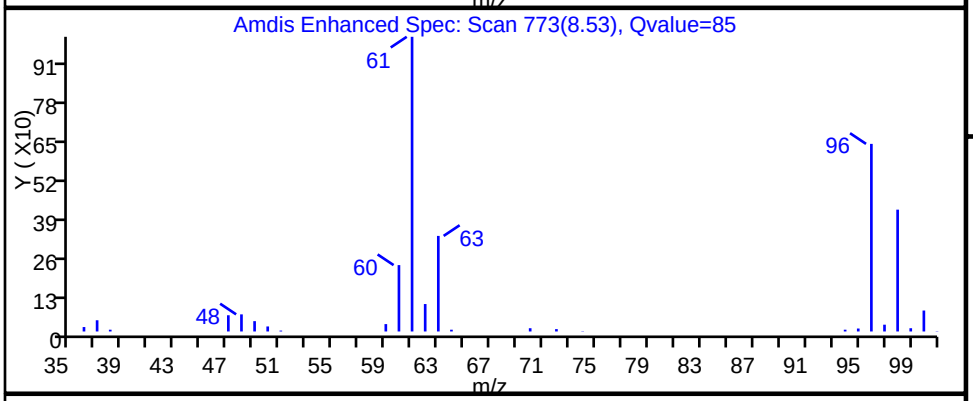
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2409.D

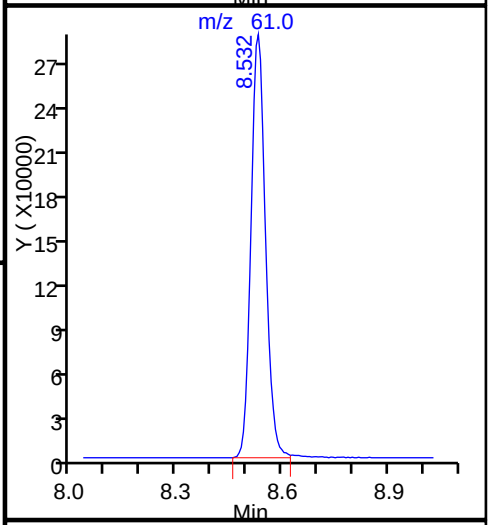
Injection Date:	16-Dec-2015 14:41:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-20-B	Lab Sample ID:	480-92332-20		
Client ID:	B27-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

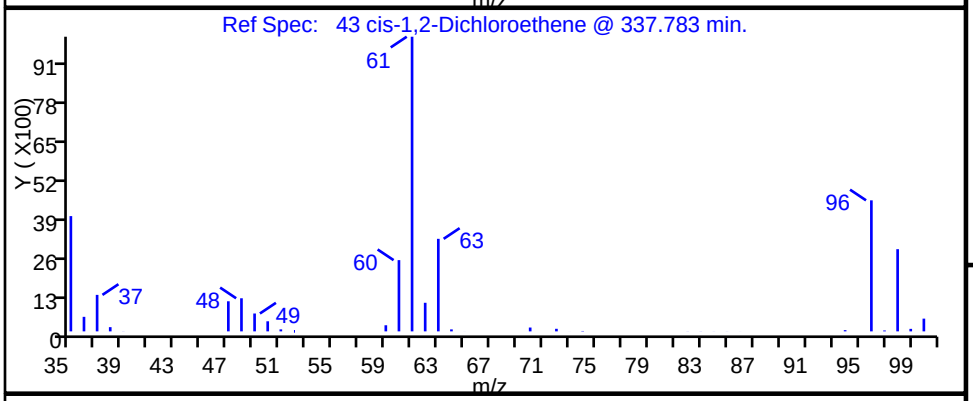
43 cis-1,2-Dichloroethene, CAS: 156-59-2

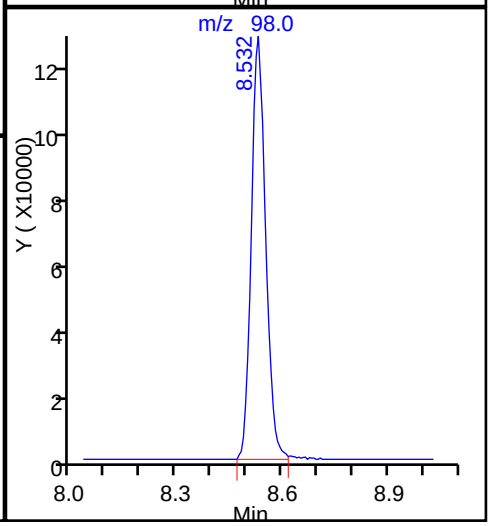


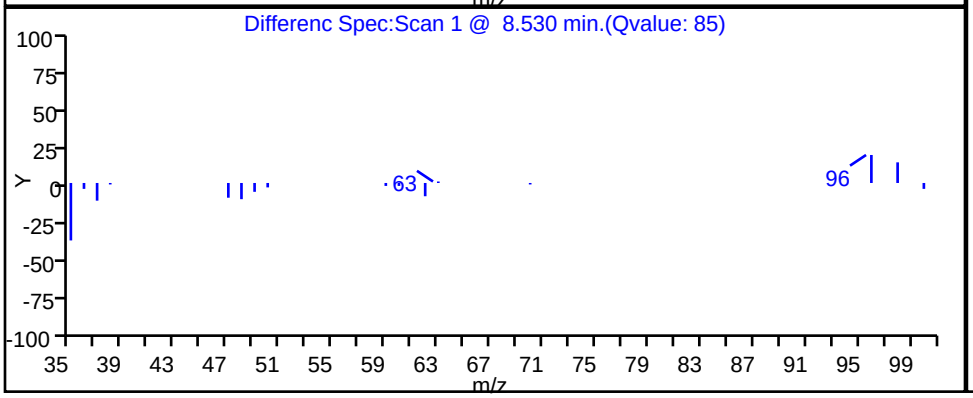












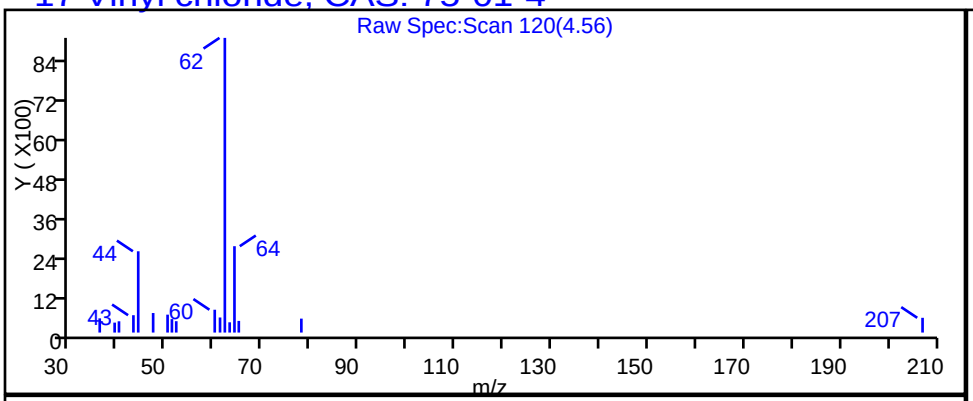
Report Date: 16-Dec-2015 18:50:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

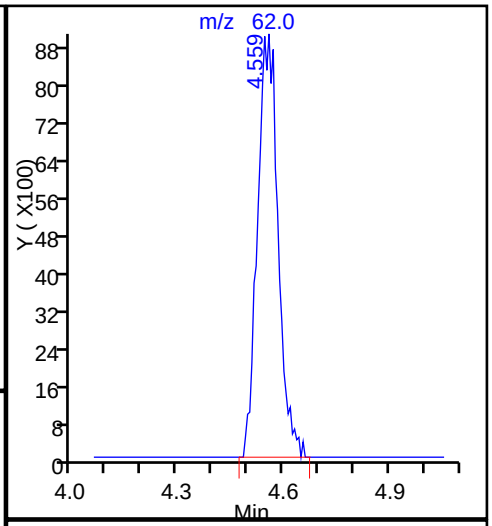
TestAmerica Buffalo

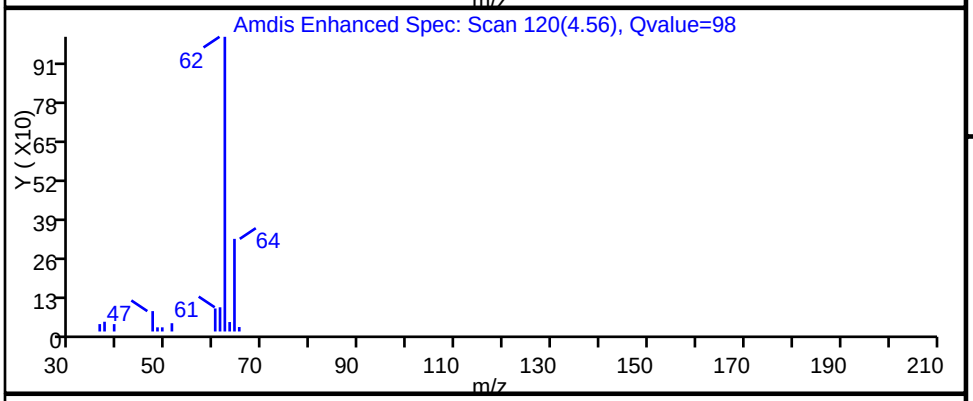
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2409.D

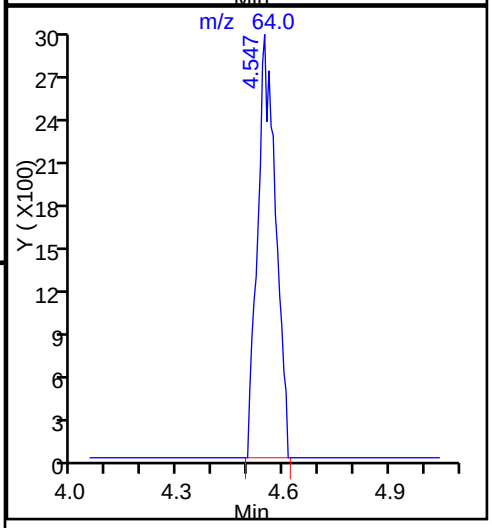
Injection Date:	16-Dec-2015 14:41:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-20-B	Lab Sample ID:	480-92332-20		
Client ID:	B27-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

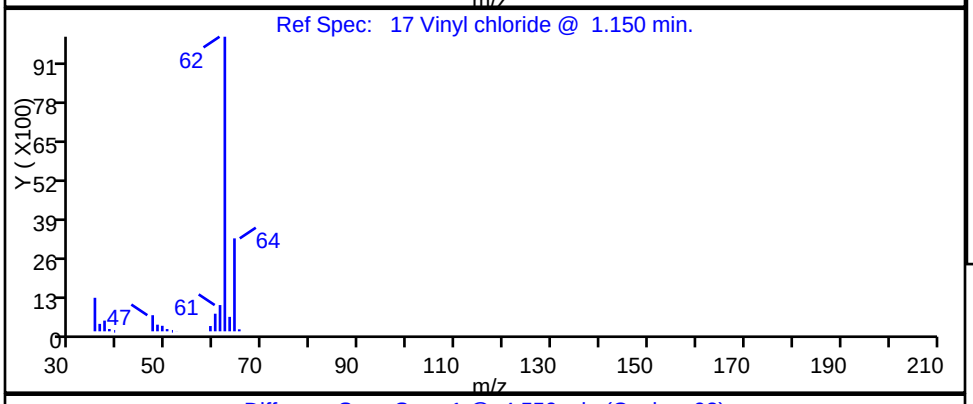
17 Vinyl chloride, CAS: 75-01-4

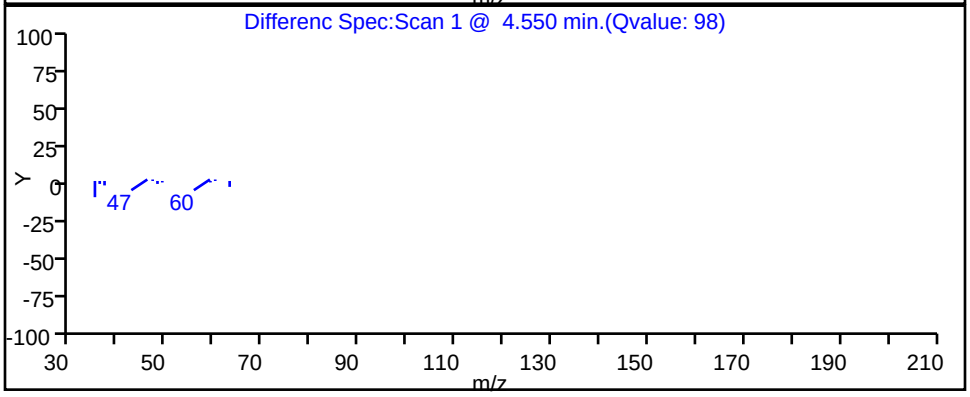












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B27-AREA2-S2 | Lab Sample ID: 480-92332-21

Matrix: Solid | Lab File ID: P2410.D

Analysis Method: 8260C | Date Collected: 12/08/2015 15:15

Sample wt/vol: 5.03(g) | Date Analyzed: 12/16/2015 15:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.2 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND		5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.3	2.6
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND		5.3	0.41
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.3	0.74
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.6
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.6
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
98-82-8	Isopropylbenzene	ND		5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B27-AREA2-S2 | Lab Sample ID: 480-92332-21

Matrix: Solid | Lab File ID: P2410.D

Analysis Method: 8260C | Date Collected: 12/08/2015 15:15

Sample wt/vol: 5.03(g) | Date Analyzed: 12/16/2015 15:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.2 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	ND		5.3	2.4
100-42-5	Styrene	ND		5.3	0.26
127-18-4	Tetrachloroethene	ND		5.3	0.71
108-88-3	Toluene	ND		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		64-126
460-00-4	4-Bromofluorobenzene (Surr)	81		72-126
2037-26-5	Toluene-d8 (Surr)	102		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2410.D
Lims ID: 480-92332-A-21-B Lab Sample ID: 480-92332-21
Client ID: B27-AREA2-S2
Sample Type: Client
Inject. Date: 16-Dec-2015 15:08:30 ALS Bottle#: 6 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-21-B
Misc. Info.: 480-0049276-013
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:46:53 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:51:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	328150	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.837	0.005	90	632095	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	388989	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	286471	56.5	
$ 5 Toluene-d8 (Surr)	98	11.877	11.872	0.005	94	1411903	51.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	391041	40.6	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43		6.390				ND	
30 Methyl acetate	43		6.761				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.820				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96		8.520				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95		10.345				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

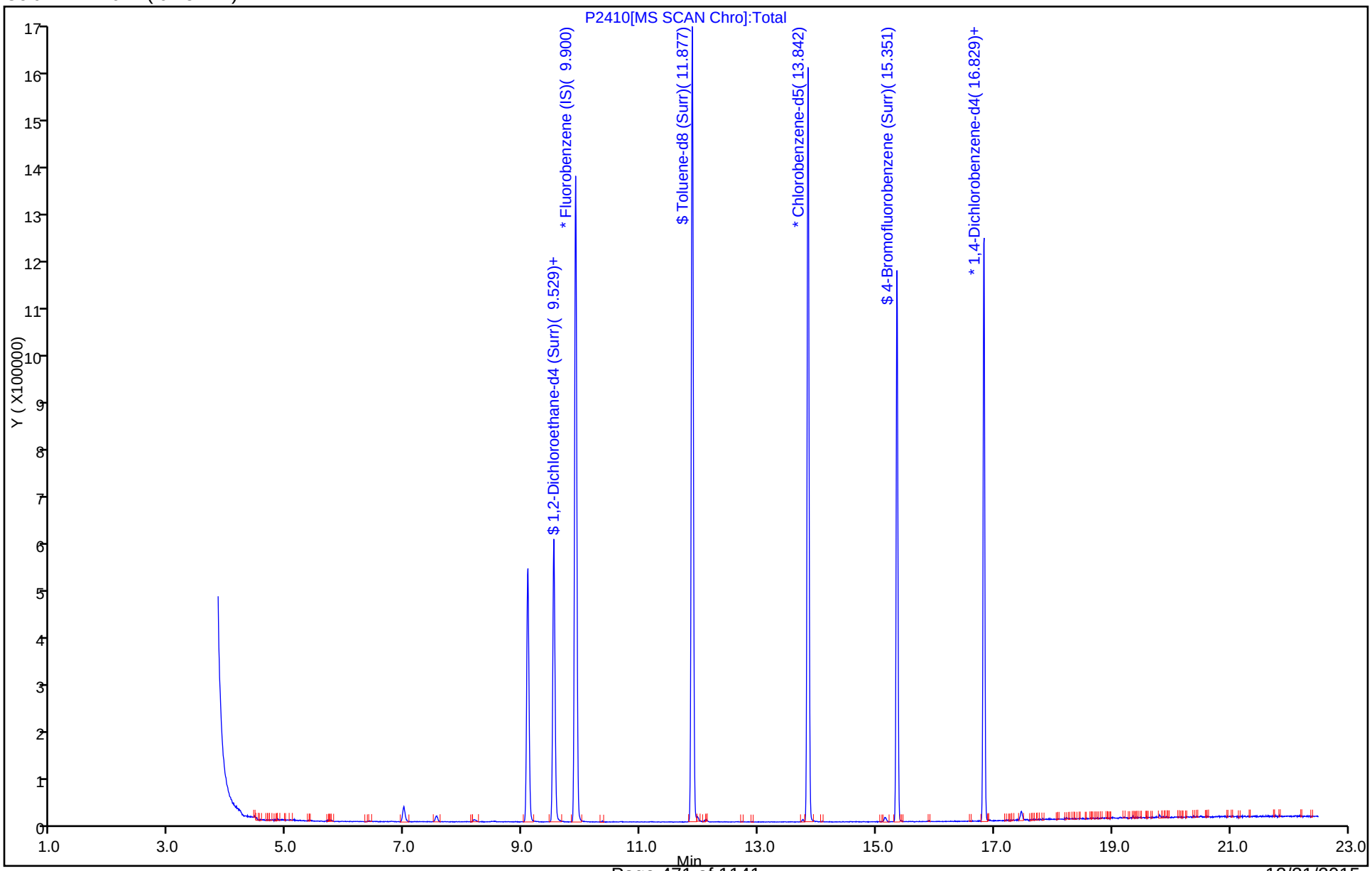
Report Date: 16-Dec-2015 18:51:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2410.D

Injection Date:	16-Dec-2015 15:08:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-21-B	Lab Sample ID:	480-92332-21	Worklist Smp#:	13
Client ID:	B27-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B28-AREA2-S1 | Lab Sample ID: 480-92332-22

Matrix: Solid | Lab File ID: P2392.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:55

Sample wt/vol: 5.18(g) | Date Analyzed: 12/15/2015 22:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.72
75-34-3	1,1-Dichloroethane	1.2	J	5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.68
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.8
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	ND		28	2.0
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	5.5	J	28	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.8
74-83-9	Bromomethane	ND		5.5	0.50
75-15-0	Carbon disulfide	ND		5.5	2.8
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	3.9	J	5.5	0.71
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.71
75-71-8	Dichlorodifluoromethane	ND		5.5	0.46
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B28-AREA2-S1 | Lab Sample ID: 480-92332-22

Matrix: Solid | Lab File ID: P2392.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:55

Sample wt/vol: 5.18(g) | Date Analyzed: 12/15/2015 22:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.28
127-18-4	Tetrachloroethene	ND		5.5	0.74
108-88-3	Toluene	ND		5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	2.2	J	5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2392.D
Lims ID: 480-92332-A-22-A Lab Sample ID: 480-92332-22
Client ID: B28-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 22:37:30 ALS Bottle#: 16 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-22-A
Misc. Info.: 480-0049245-022
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 09:22:55 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 09:22:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	319590	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	646983	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	622560	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	264212	53.5	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	94	1404350	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	91	468251	47.5	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.390	6.390	0.000	99	18392	5.02	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.773				ND	
32 Methyl tert-butyl ether	73	7.230	7.224	0.006	54	5707	0.2006	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.838	7.826	0.012	96	21355	1.07	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	84	34908	3.58	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.357	10.350	0.007	92	19415	2.03	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	5214	0.5910	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

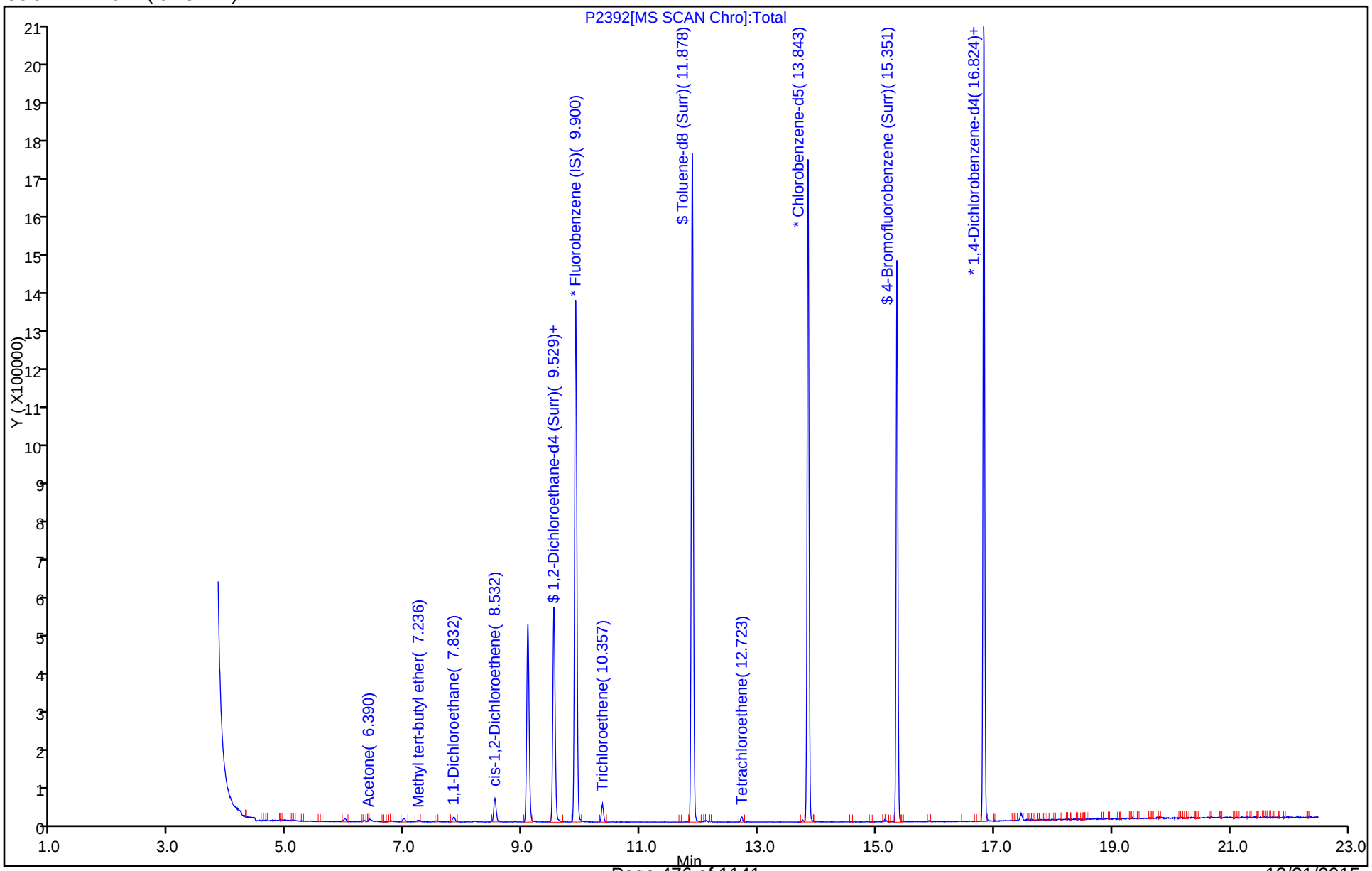
Report Date: 16-Dec-2015 09:22:56 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2392.D

Injection Date:	15-Dec-2015 22:37:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-22-A	Lab Sample ID:	480-92332-22	Worklist Smp#:	22
Client ID:	B28-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

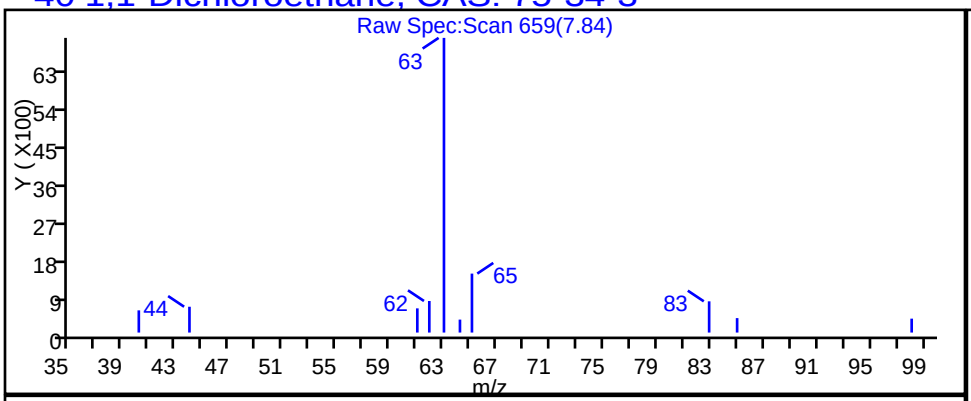


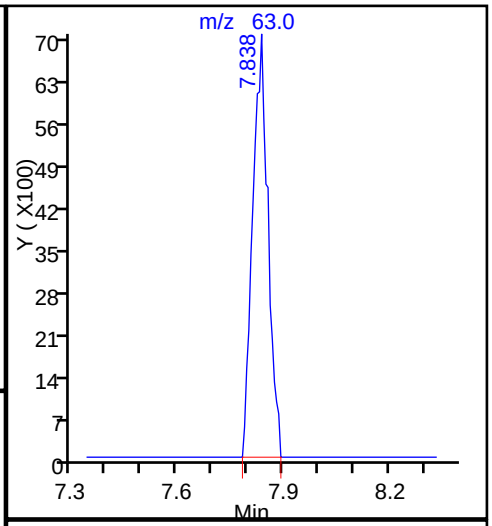
TestAmerica Buffalo

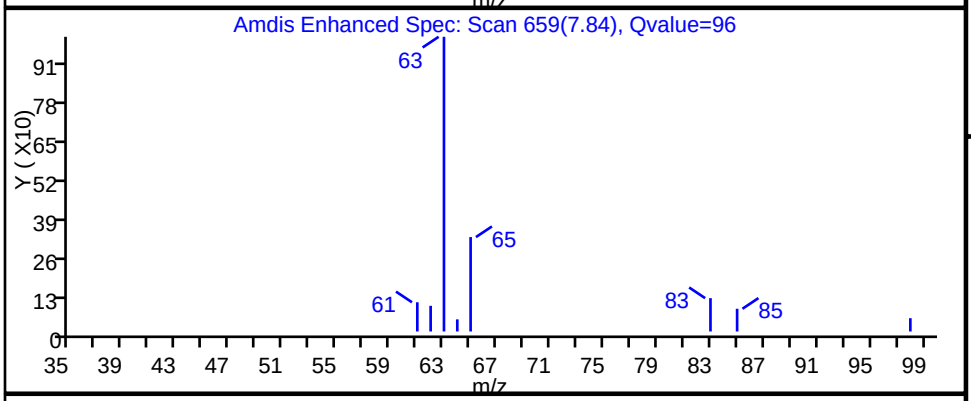
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2392.D

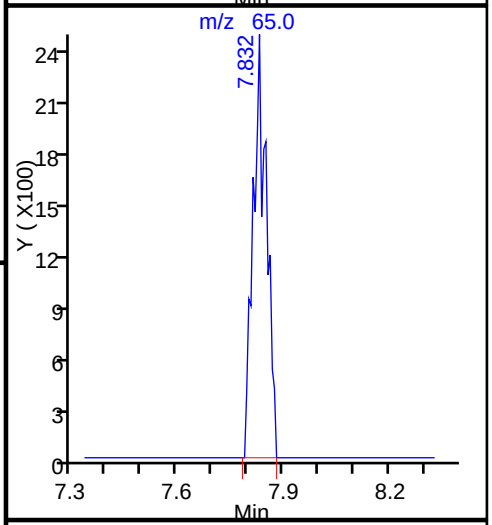
Injection Date:	15-Dec-2015 22:37:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-22-A	Lab Sample ID:	480-92332-22
Client ID:	B28-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	16 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

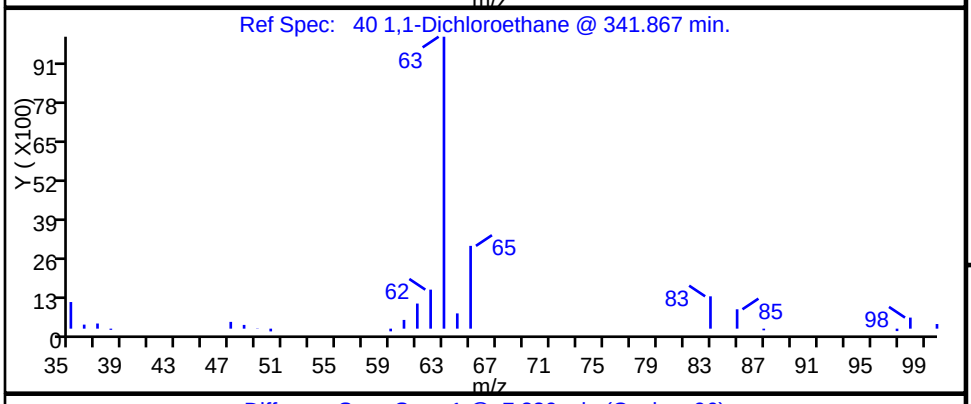
40 1,1-Dichloroethane, CAS: 75-34-3

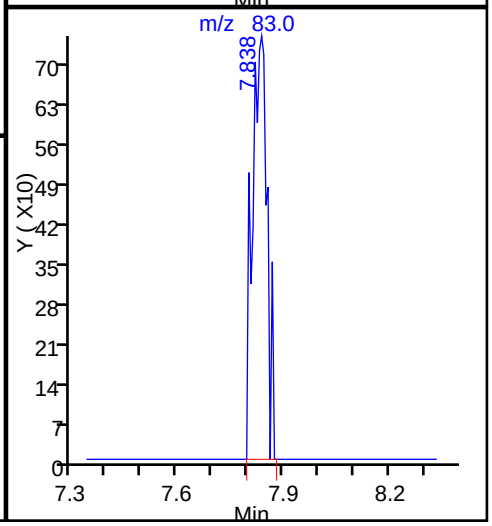


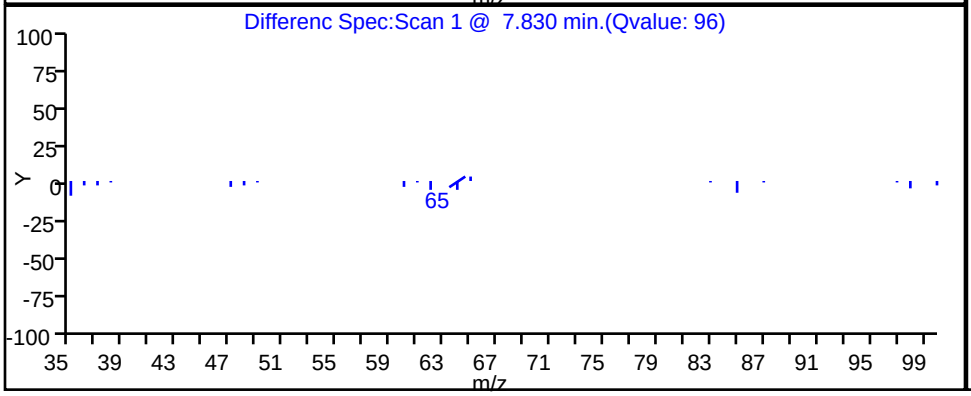












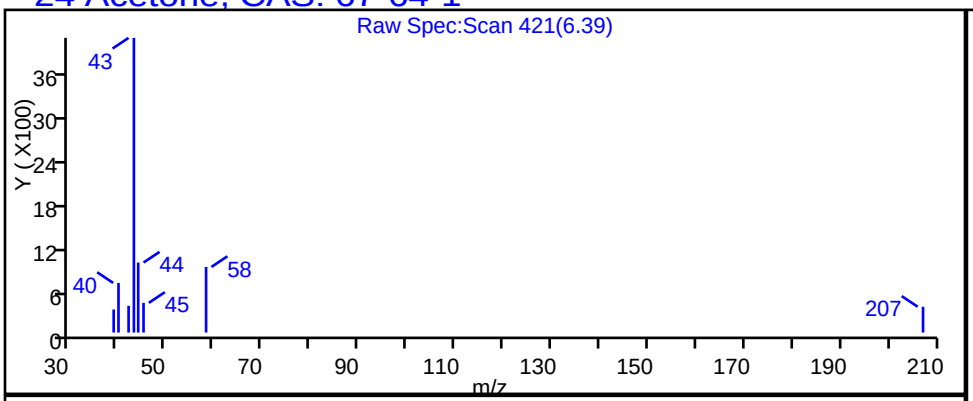
Report Date: 16-Dec-2015 09:22:56 Chrom Revision: 2.2 02-Dec-2015 11:51:48

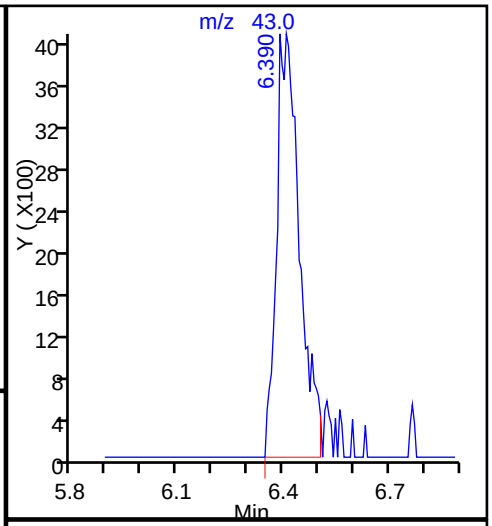
TestAmerica Buffalo

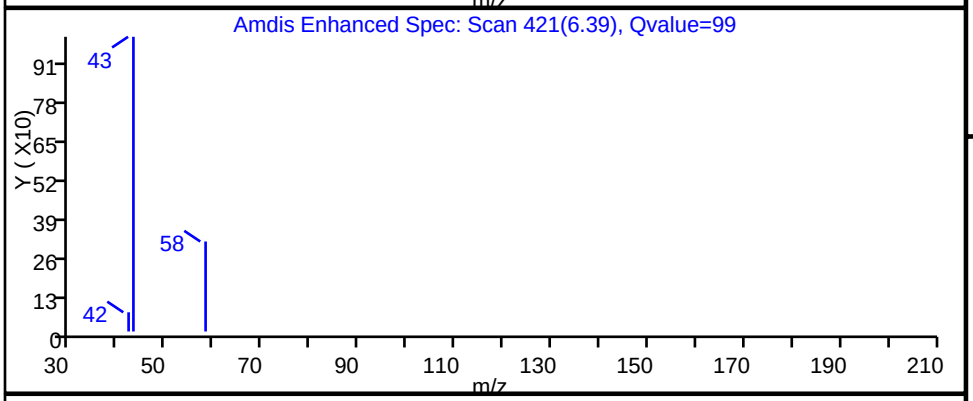
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2392.D

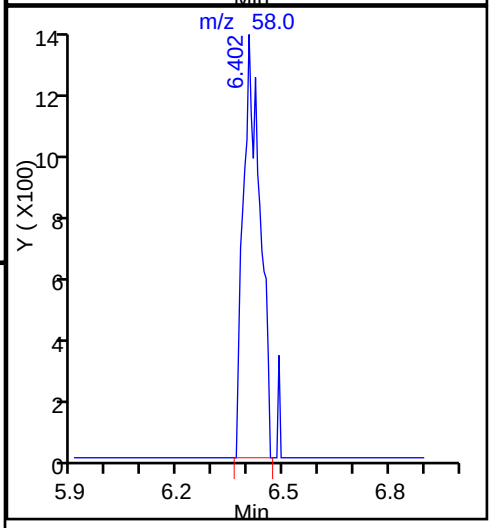
Injection Date:	15-Dec-2015 22:37:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-22-A	Lab Sample ID:	480-92332-22		
Client ID:	B28-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	16	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

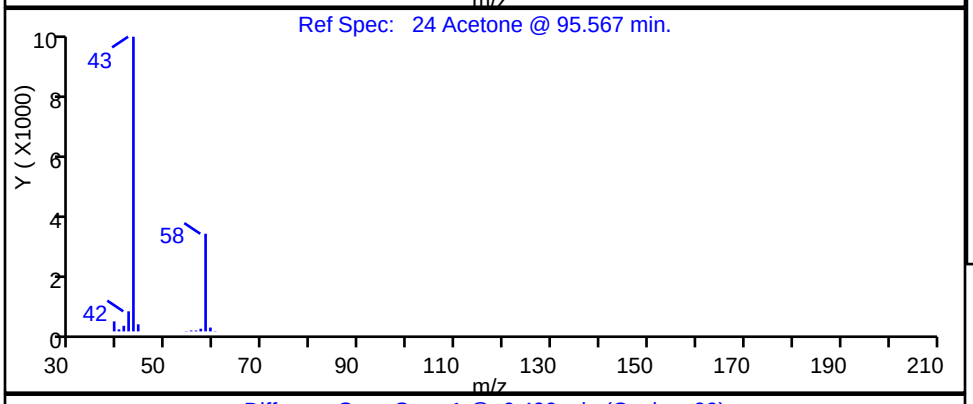
24 Acetone, CAS: 67-64-1

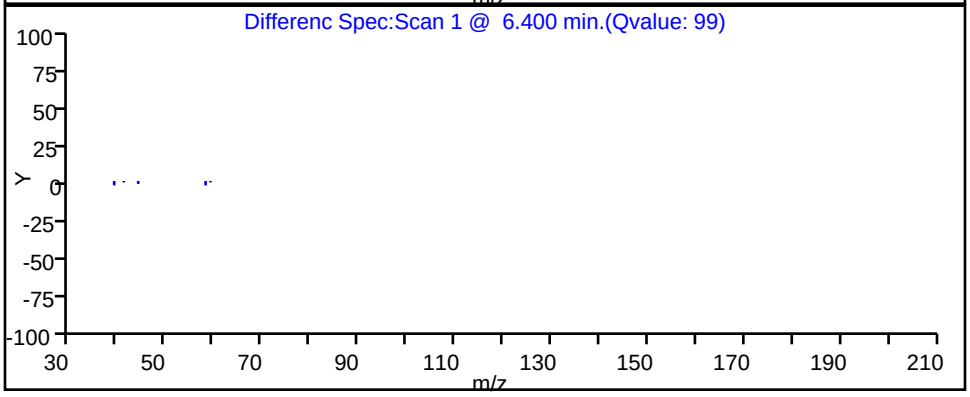








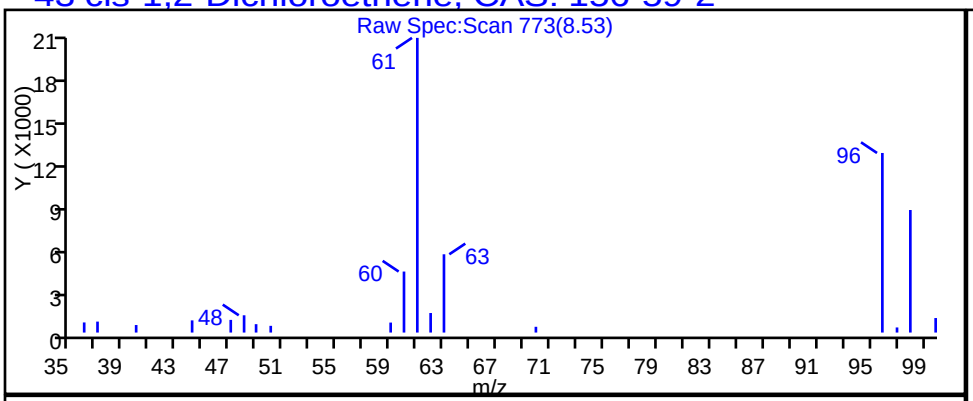


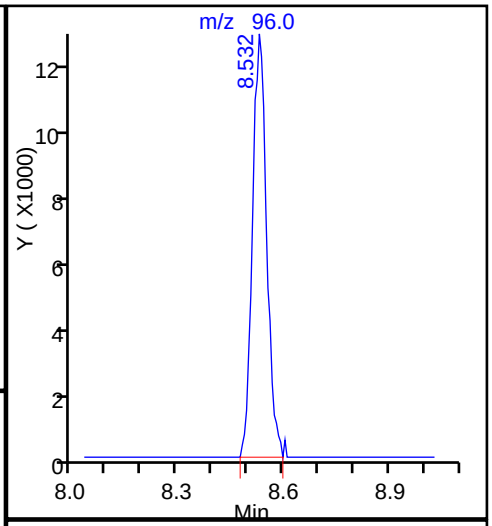


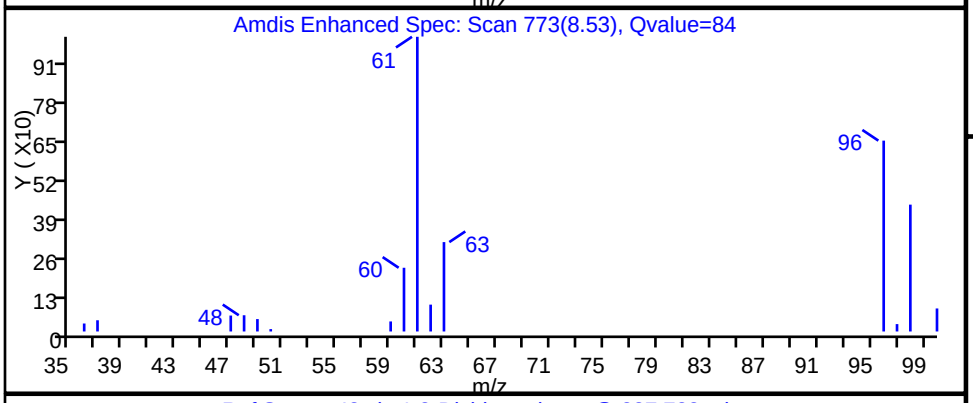
TestAmerica Buffalo

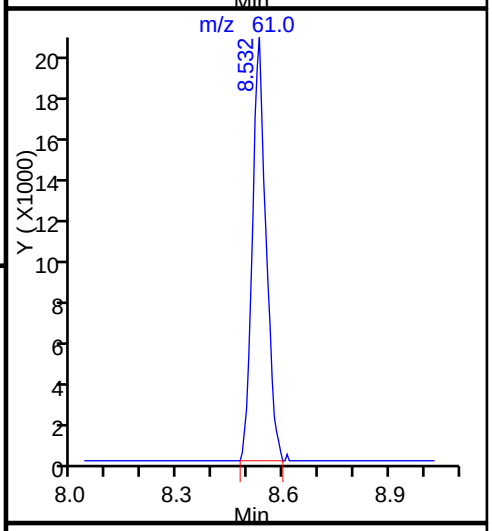
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2392.D				
Injection Date:	15-Dec-2015 22:37:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-22-A	Lab Sample ID:	480-92332-22		
Client ID:	B28-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	16	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

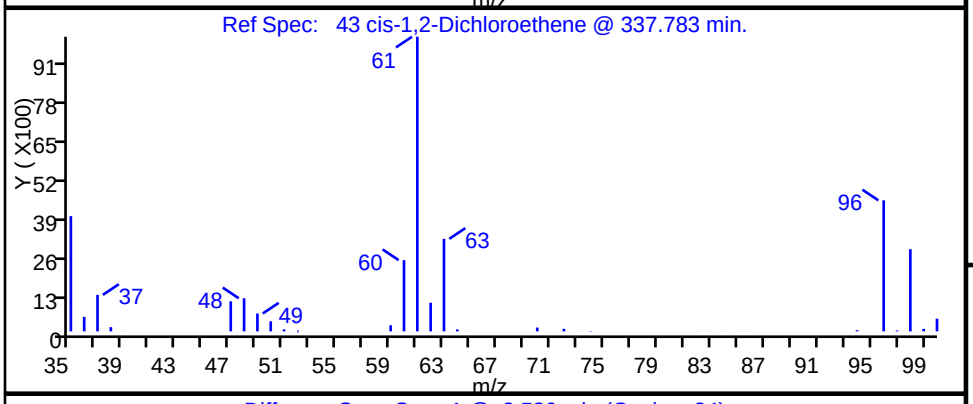
43 cis-1,2-Dichloroethene, CAS: 156-59-2

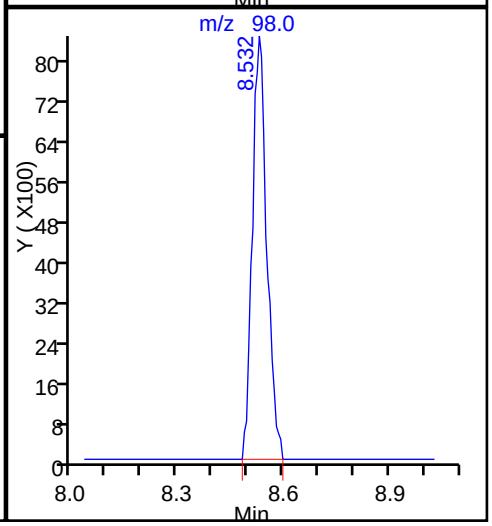


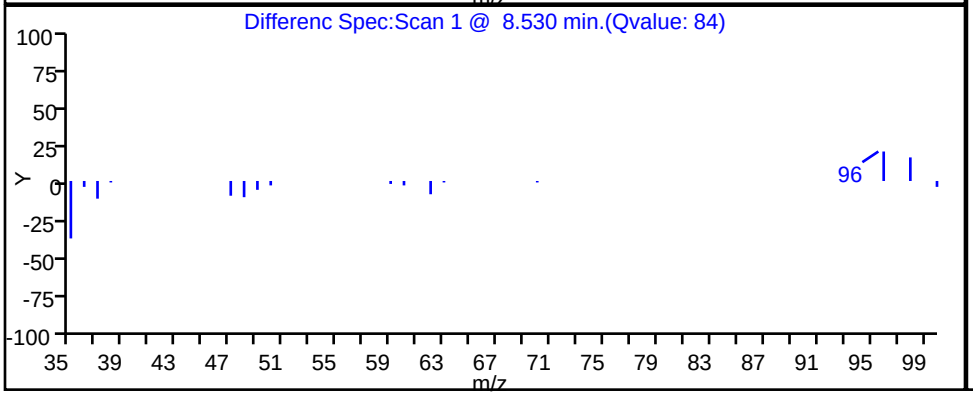








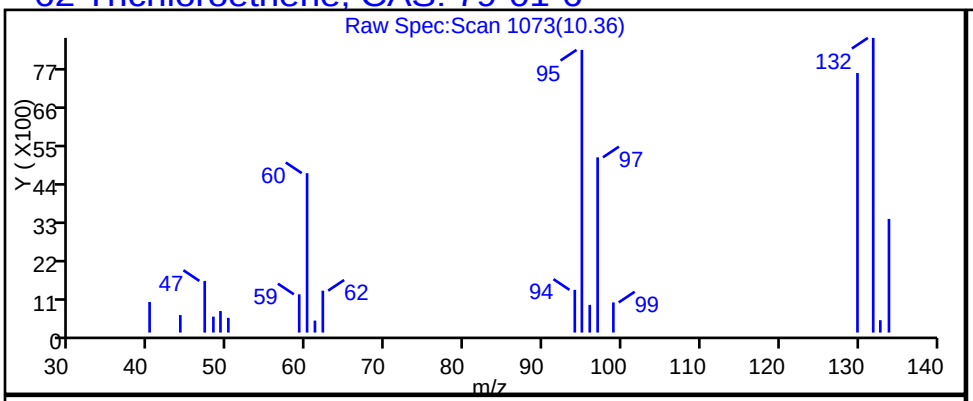


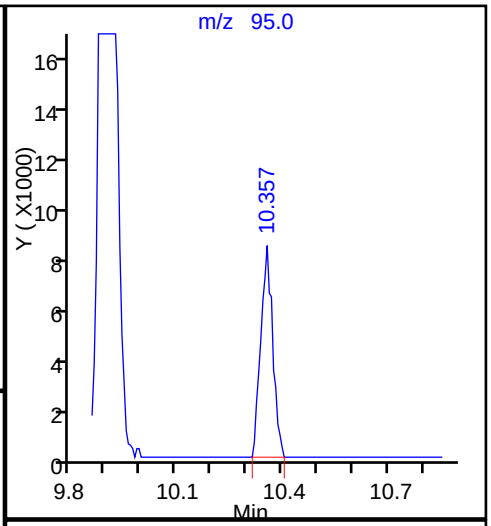


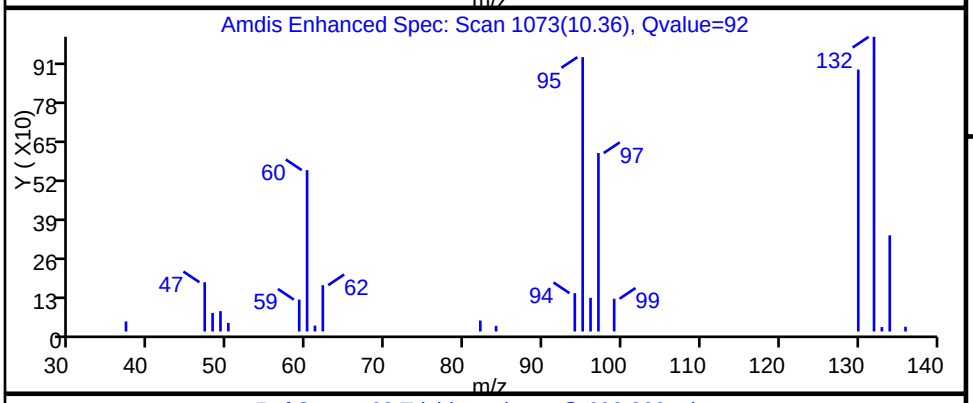
TestAmerica Buffalo

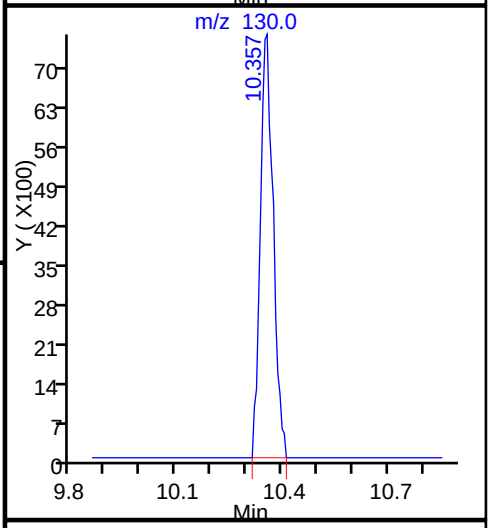
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2392.D				
Injection Date:	15-Dec-2015 22:37:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-22-A	Lab Sample ID:	480-92332-22		
Client ID:	B28-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	16	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

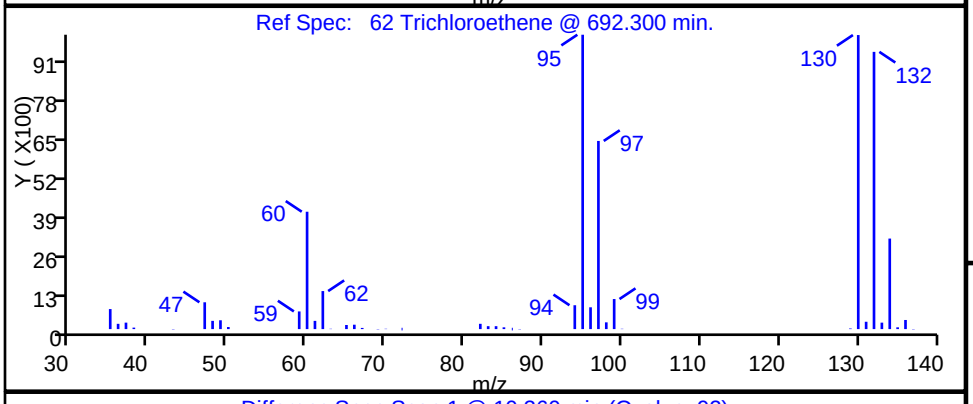
62 Trichloroethene, CAS: 79-01-6

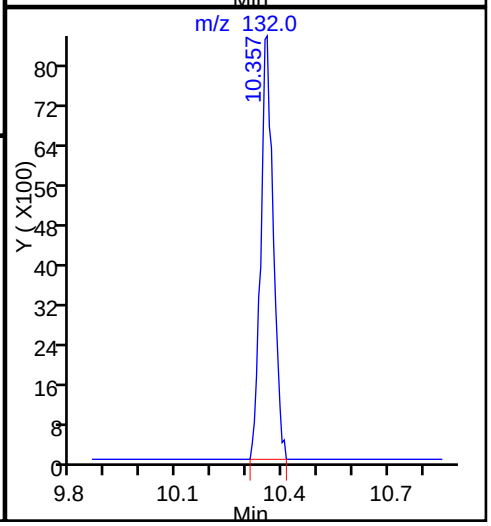


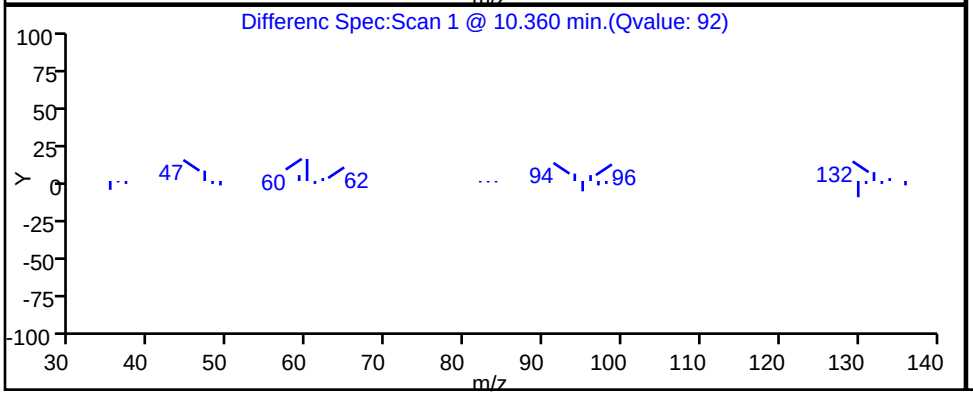












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B28-AREA2-S2 | Lab Sample ID: 480-92332-23

Matrix: Solid | Lab File ID: P2411.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:50

Sample wt/vol: 5.02(g) | Date Analyzed: 12/16/2015 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.0 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*	5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.3	0.69
75-34-3	1,1-Dichloroethane	ND	*	5.3	0.65
75-35-4	1,1-Dichloroethene	ND	*	5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.41
107-06-2	1,2-Dichloroethane	ND	*	5.3	0.27
78-87-5	1,2-Dichloropropane	ND	*	5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND	*	26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	5.9	J B *	26	4.5
71-43-2	Benzene	ND	*	5.3	0.26
75-27-4	Bromodichloromethane	ND	*	5.3	0.71
75-25-2	Bromoform	ND	*	5.3	2.6
74-83-9	Bromomethane	ND	*	5.3	0.48
75-15-0	Carbon disulfide	ND	*	5.3	2.6
56-23-5	Carbon tetrachloride	ND	*	5.3	0.51
108-90-7	Chlorobenzene	ND	*	5.3	0.70
75-00-3	Chloroethane	ND	*	5.3	1.2
67-66-3	Chloroform	ND	*	5.3	0.33
74-87-3	Chloromethane	ND	*	5.3	0.32
156-59-2	cis-1,2-Dichloroethene	0.91	J *	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND	*	5.3	0.76
110-82-7	Cyclohexane	ND	*	5.3	0.74
124-48-1	Dibromochloromethane	ND	*	5.3	0.68
75-71-8	Dichlorodifluoromethane	ND	*	5.3	0.44
100-41-4	Ethylbenzene	ND	*	5.3	0.37
98-82-8	Isopropylbenzene	ND	*	5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B28-AREA2-S2 | Lab Sample ID: 480-92332-23

Matrix: Solid | Lab File ID: P2411.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:50

Sample wt/vol: 5.02(g) | Date Analyzed: 12/16/2015 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.0 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	*	5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND	*	5.3	0.52
108-87-2	Methylcyclohexane	ND	*	5.3	0.80
75-09-2	Methylene Chloride	11	*	5.3	2.4
100-42-5	Styrene	ND	*	5.3	0.26
127-18-4	Tetrachloroethene	2.1	J *	5.3	0.71
108-88-3	Toluene	1.4	J B *	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND	*	5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.3	2.3
79-01-6	Trichloroethene	ND	*	5.3	1.2
75-69-4	Trichlorofluoromethane	ND	*	5.3	0.50
75-01-4	Vinyl chloride	ND	*	5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	126	*	64-126
460-00-4	4-Bromofluorobenzene (Surr)	31	X *	72-126
2037-26-5	Toluene-d8 (Surr)	106	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D
Lims ID: 480-92332-A-23-B Lab Sample ID: 480-92332-23
Client ID: B28-AREA2-S2
Sample Type: Client
Inject. Date: 16-Dec-2015 15:35:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-23-B
Misc. Info.: 480-0049276-014
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 19:13:11 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 19:13:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	142243	50.0	s
* 2 Chlorobenzene-d5	82	13.843	13.837	0.006	89	119903	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	48729	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	138047	62.8	
$ 5 Toluene-d8 (Surr)	98	11.878	11.872	0.006	93	278763	53.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	86	28439	15.6	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.415	6.390	0.025	94	9110	5.59	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76		6.774				ND	M
31 Methylene Chloride	84	6.986	6.980	0.006	94	50048	10.1	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.820				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.520	0.006	82	3716	0.8557	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.363	10.345	0.018	47	3753	0.8836	M
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	97	5538	1.30	M
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	89	3257	1.99	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

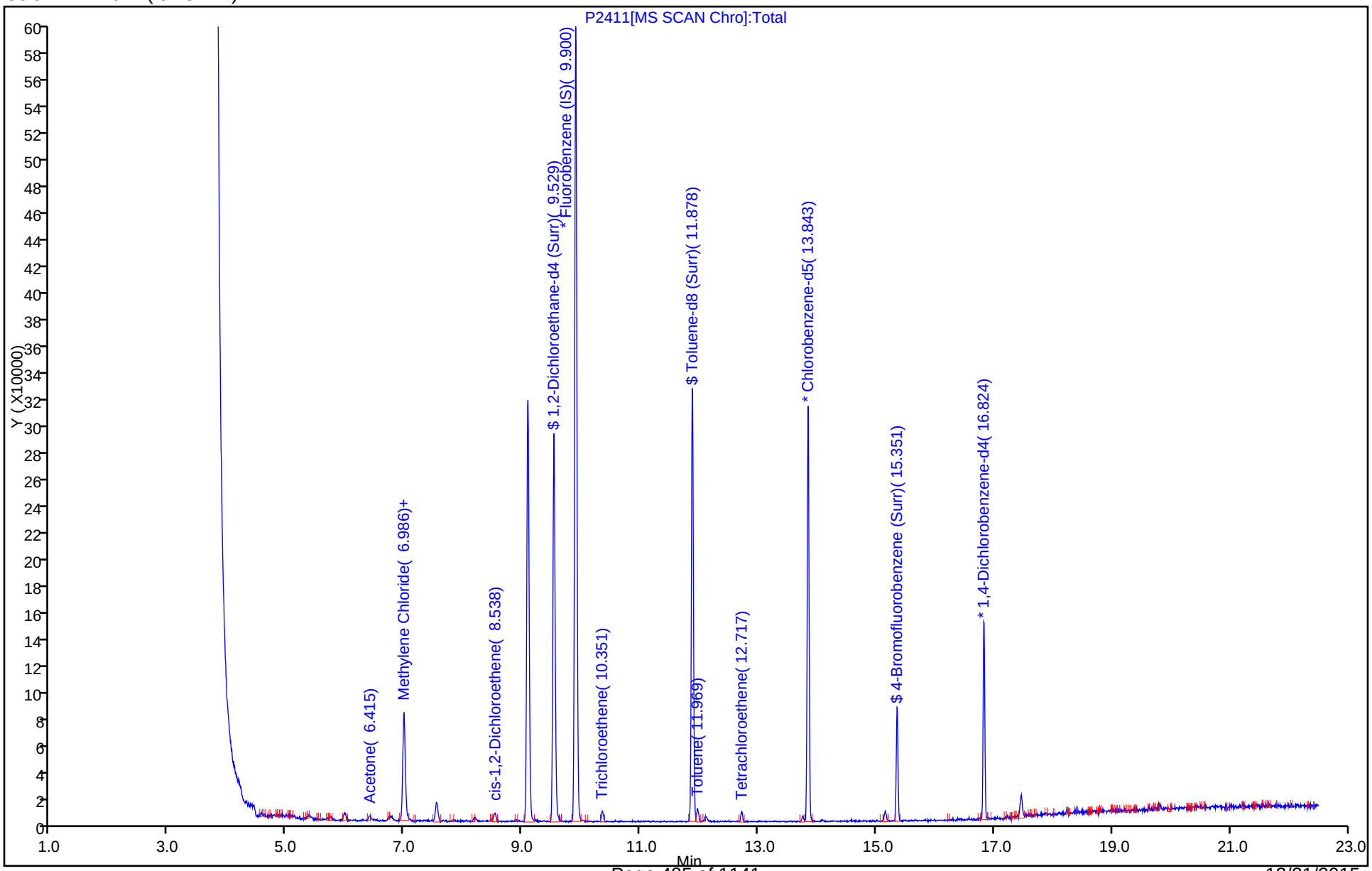
Report Date: 16-Dec-2015 19:13:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D

Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23	Worklist Smp#:	14
Client ID:	B28-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



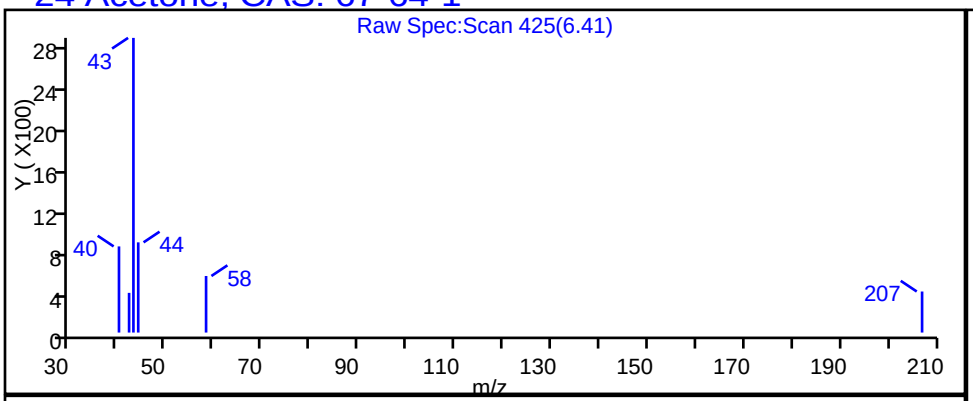
Report Date: 16-Dec-2015 19:13:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

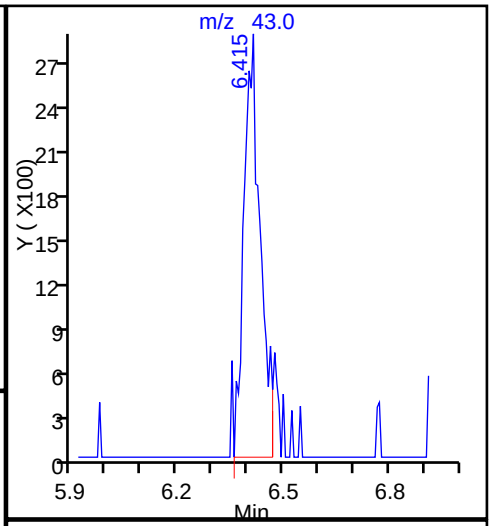
TestAmerica Buffalo

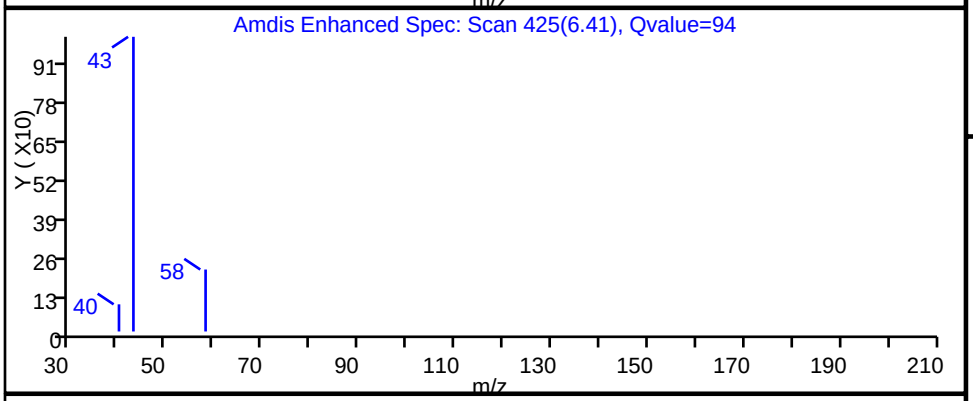
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D

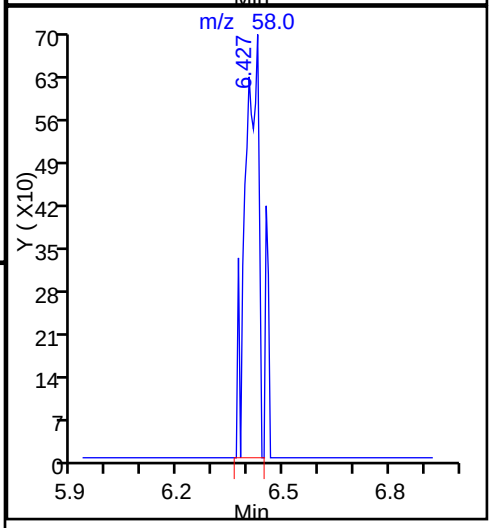
Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23		
Client ID:	B28-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

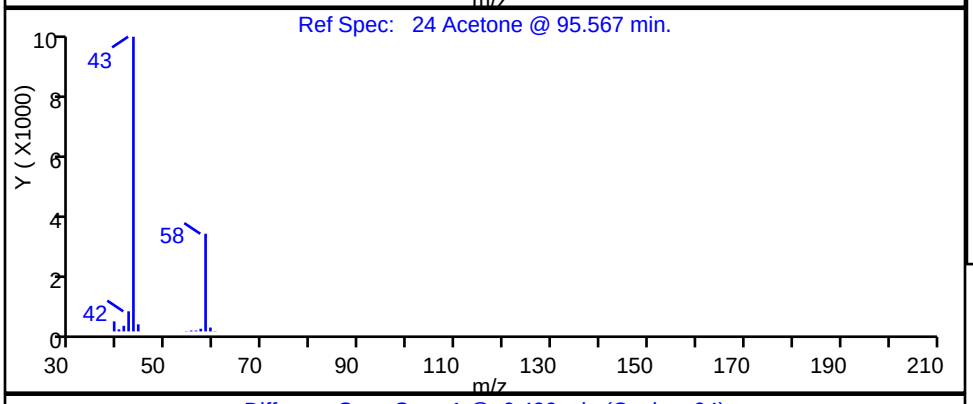
24 Acetone, CAS: 67-64-1

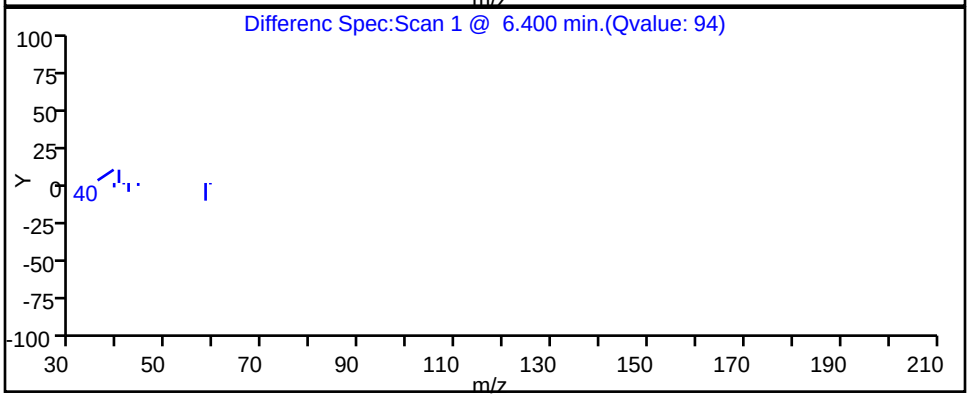








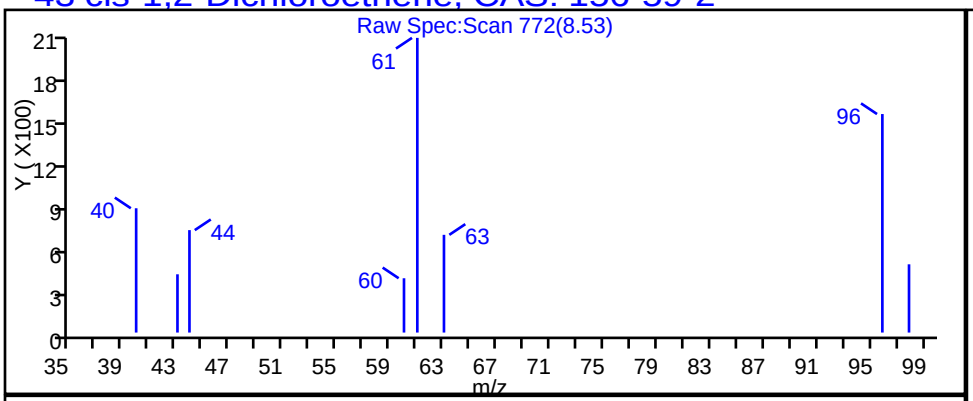


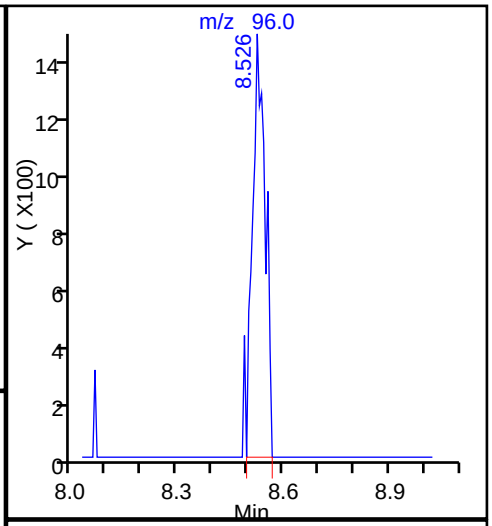


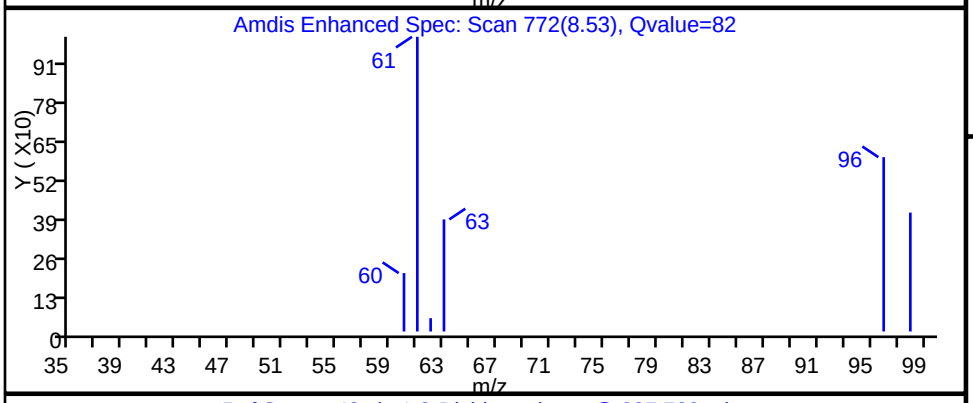
TestAmerica Buffalo

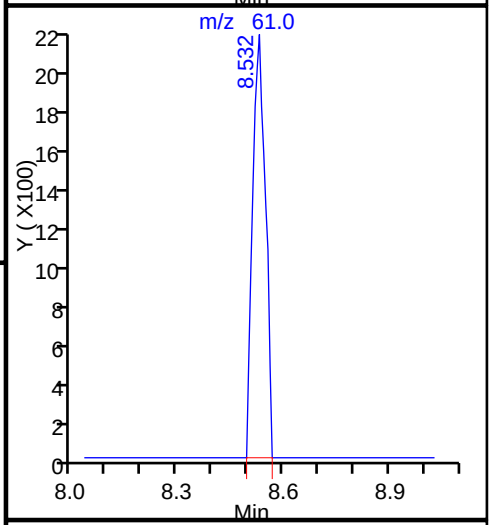
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D				
Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23		
Client ID:	B28-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

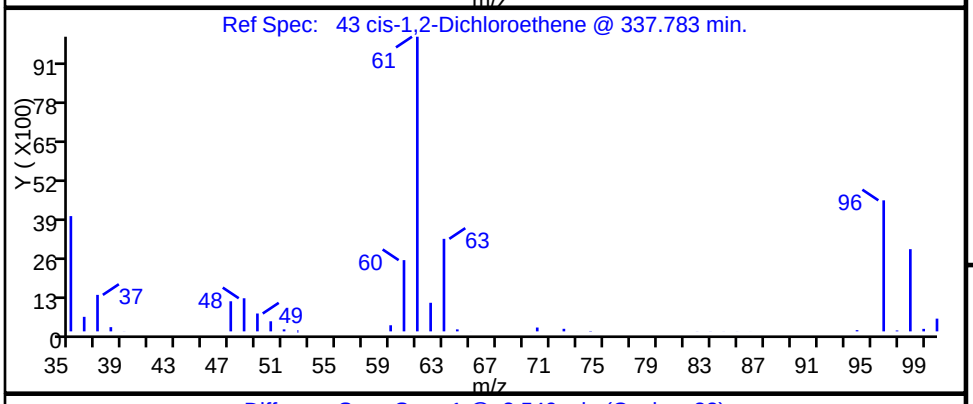
43 cis-1,2-Dichloroethene, CAS: 156-59-2

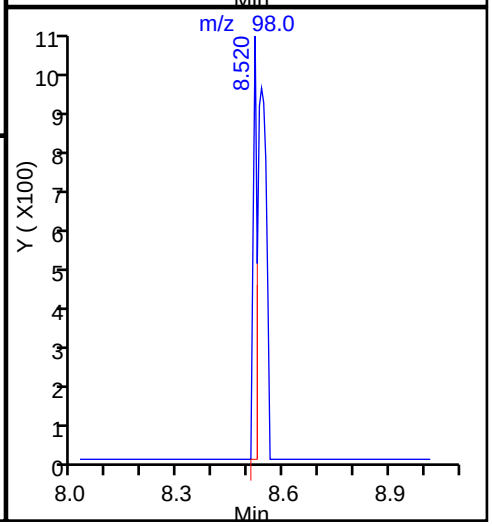


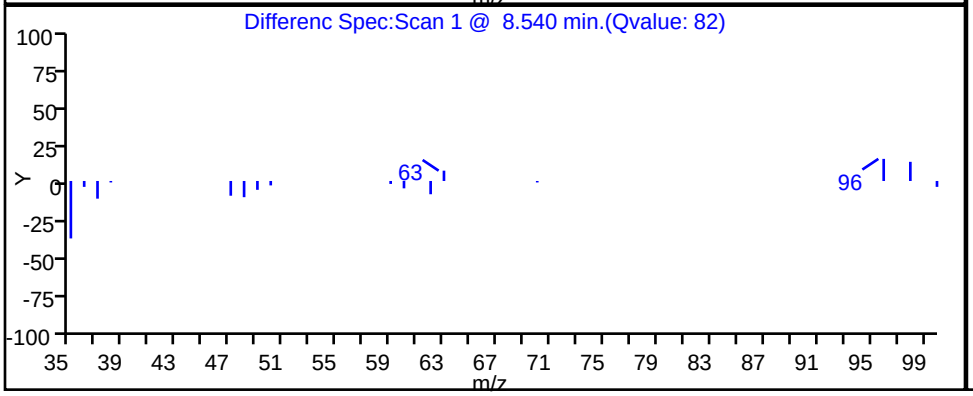












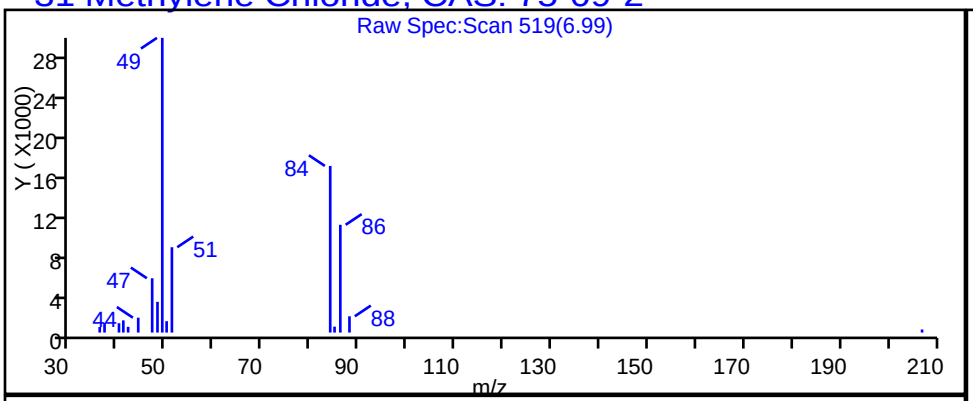
Report Date: 16-Dec-2015 19:13:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

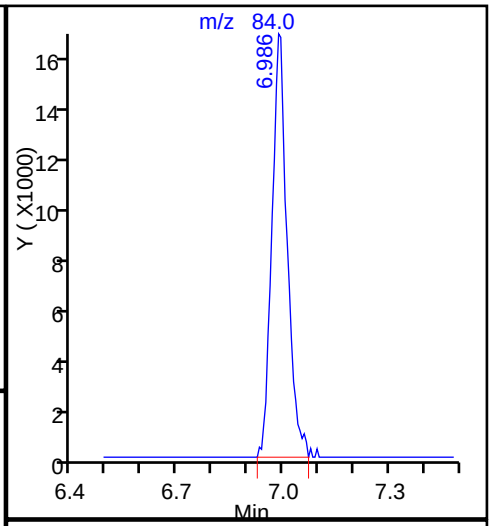
TestAmerica Buffalo

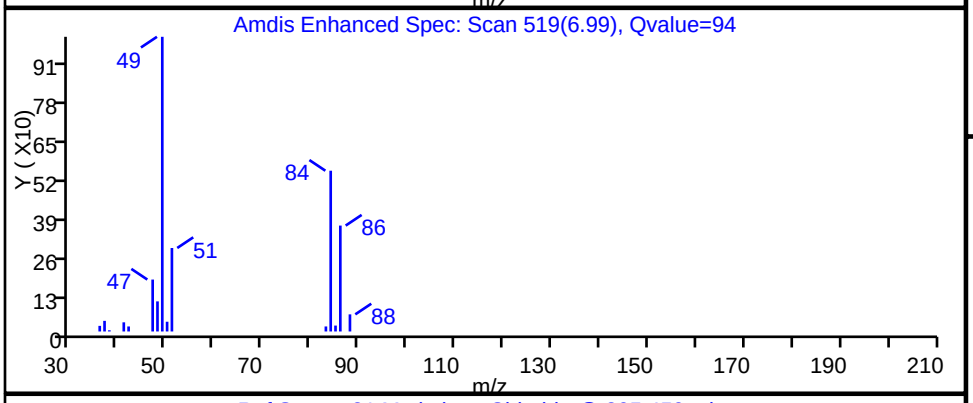
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D

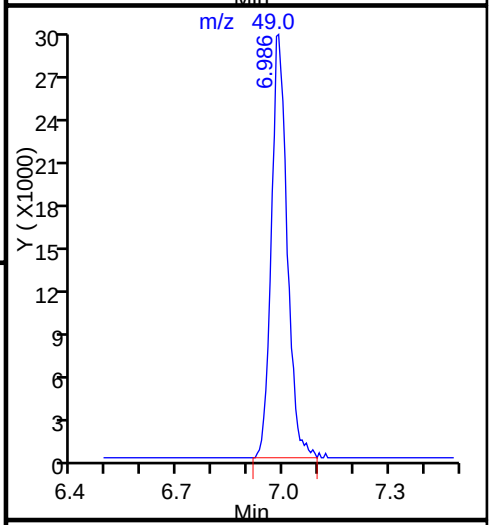
Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23		
Client ID:	B28-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

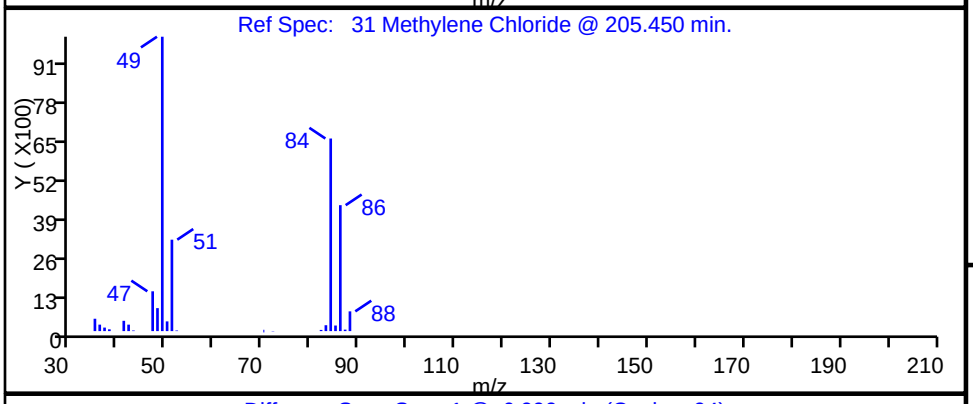
31 Methylene Chloride, CAS: 75-09-2

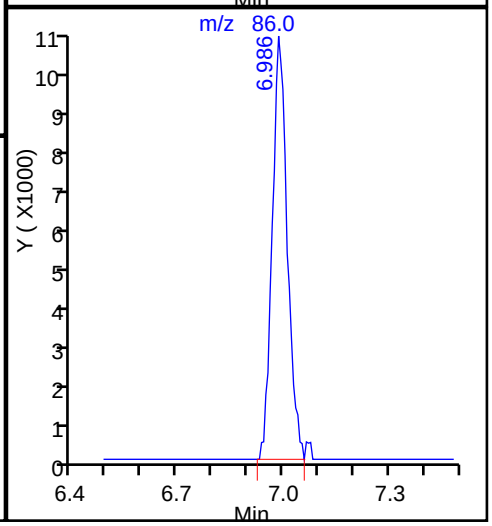


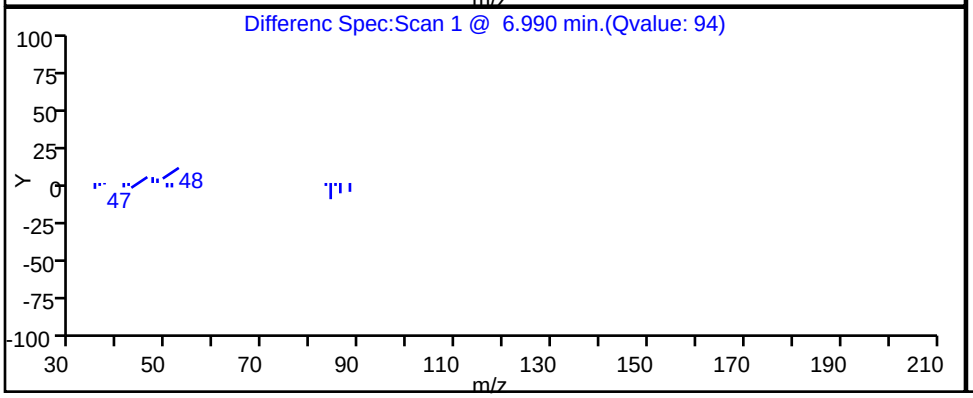










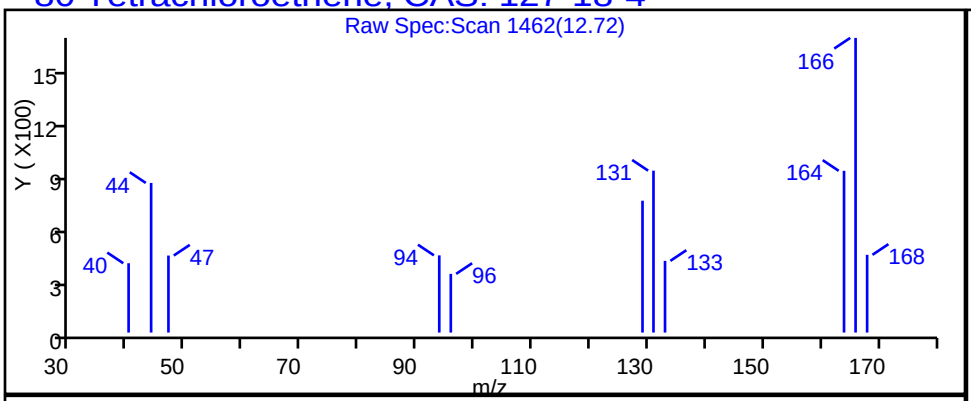


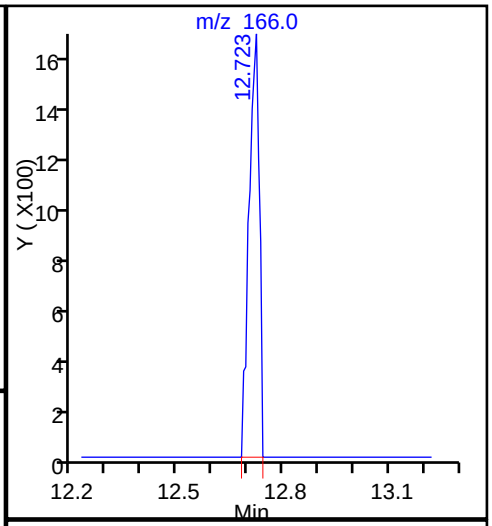
TestAmerica Buffalo

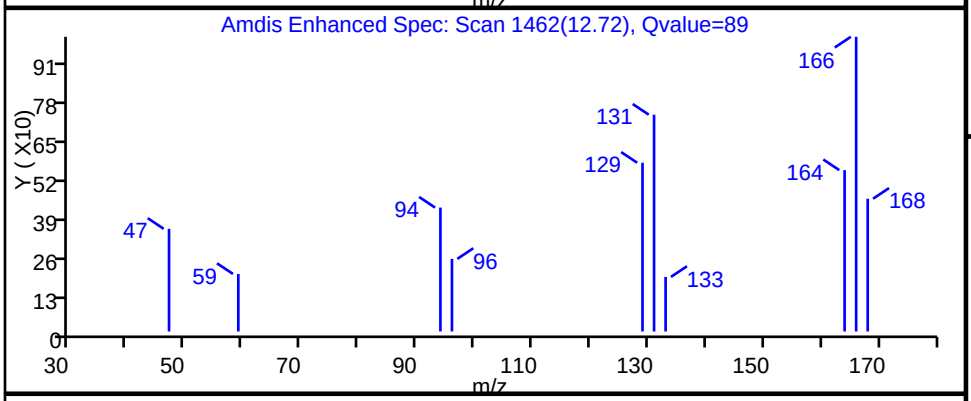
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D

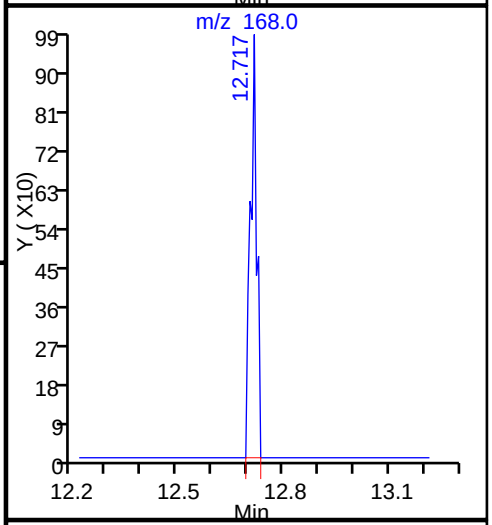
Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23		
Client ID:	B28-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

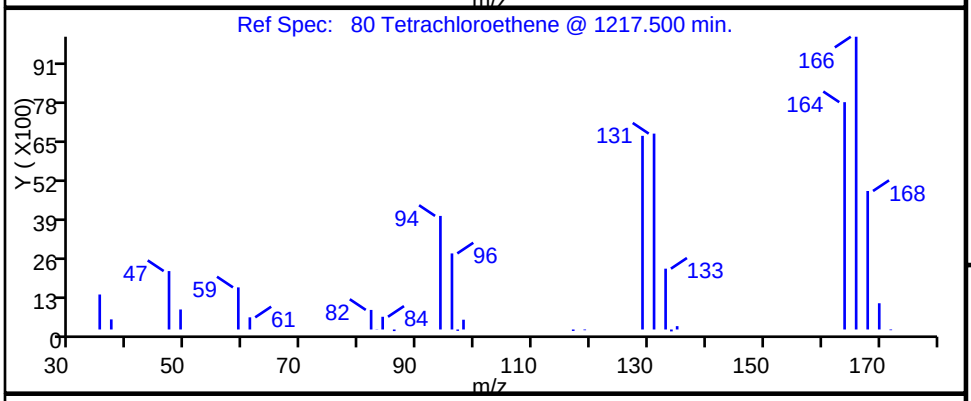
80 Tetrachloroethene, CAS: 127-18-4

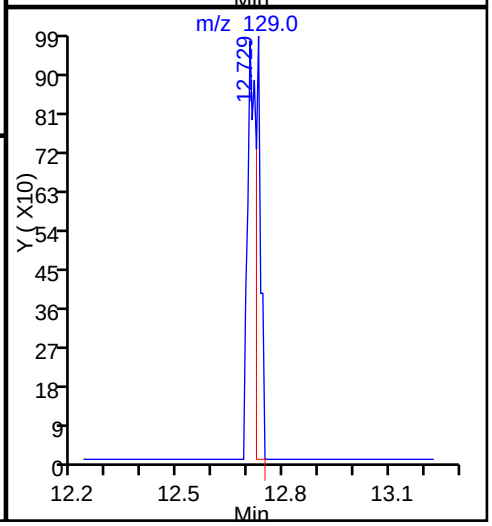


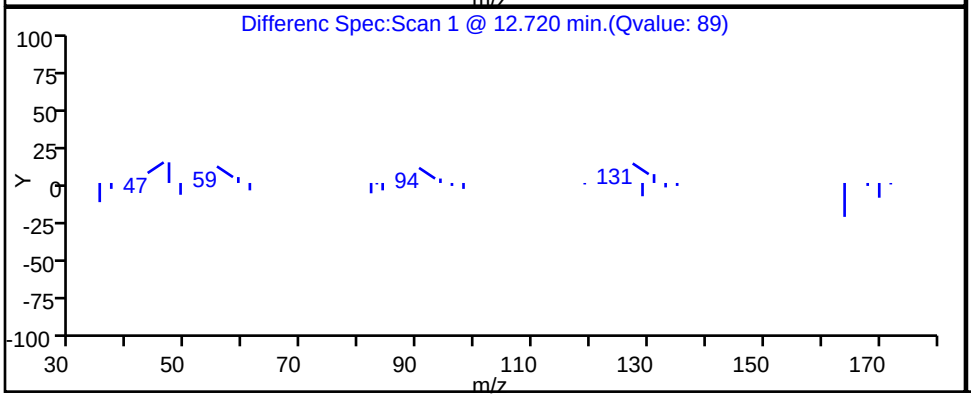












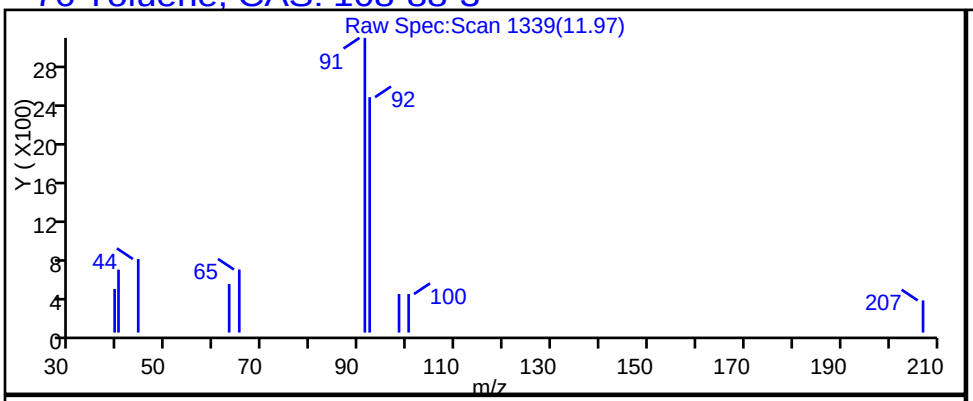
Report Date: 16-Dec-2015 19:13:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

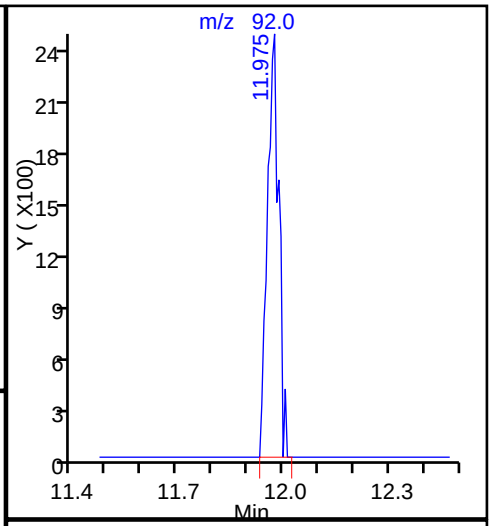
TestAmerica Buffalo

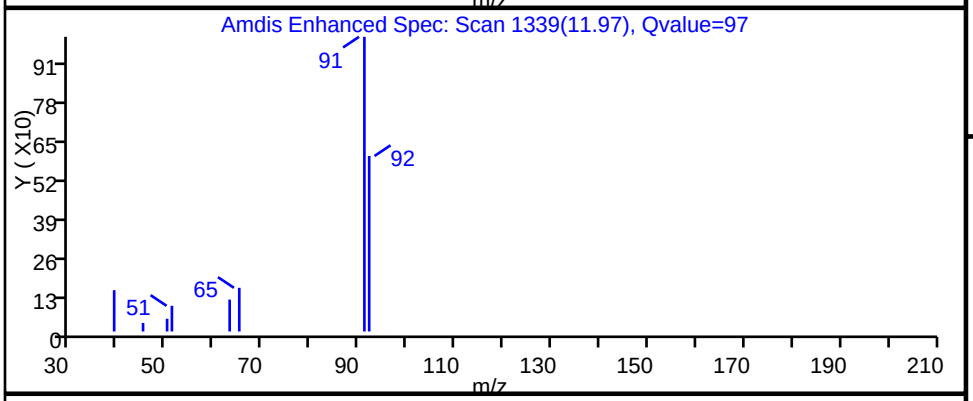
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D

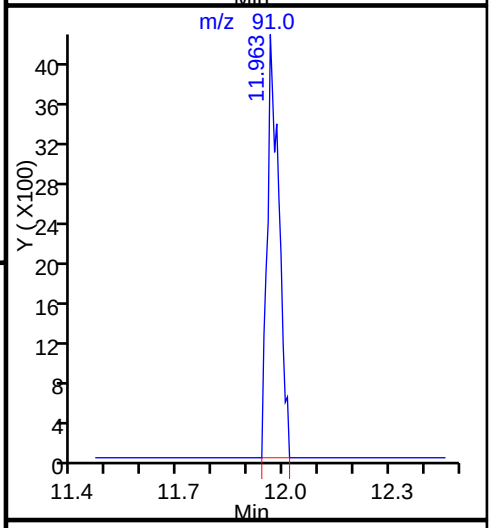
Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23		
Client ID:	B28-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

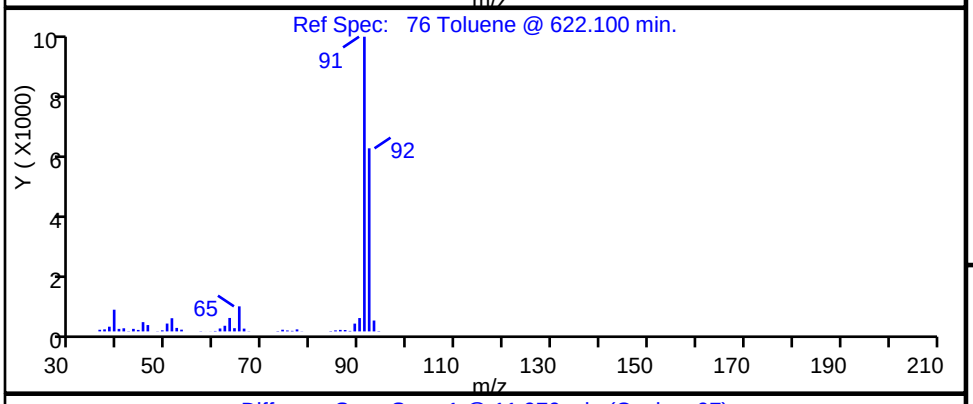
76 Toluene, CAS: 108-88-3

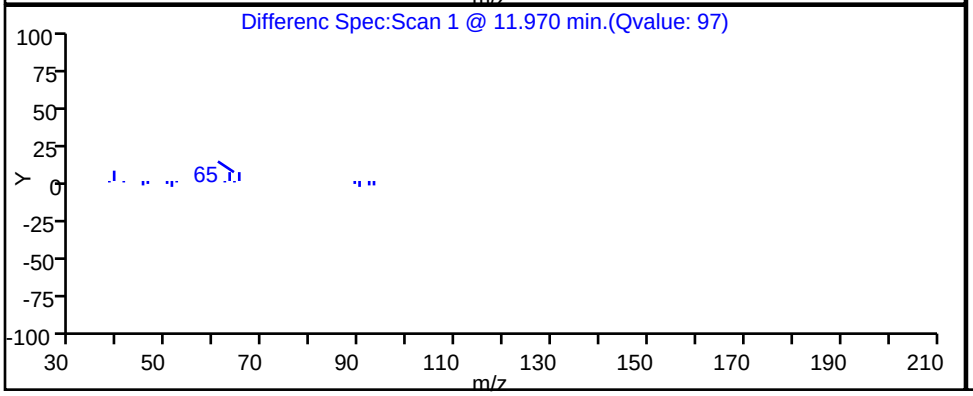


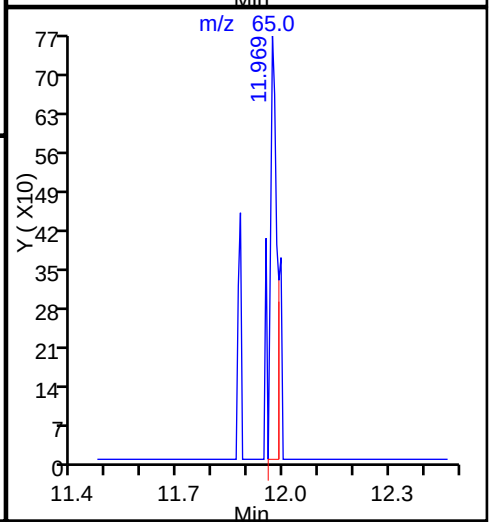












Manual Integration/User Assign Peak Report

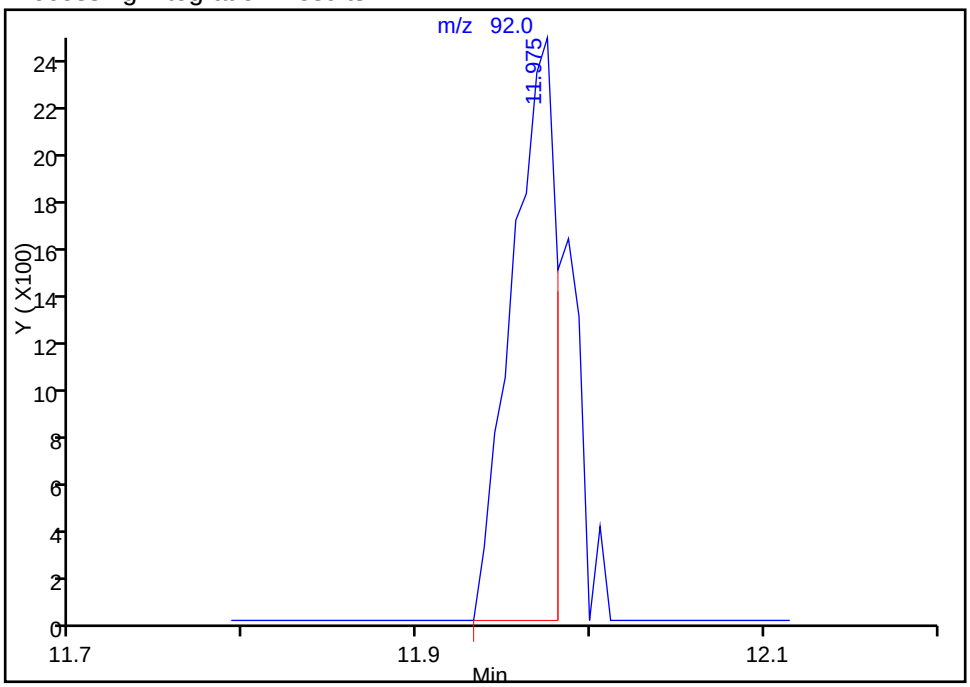
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D				
Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23		
Client ID:	B28-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

76 Toluene, CAS: 108-88-3

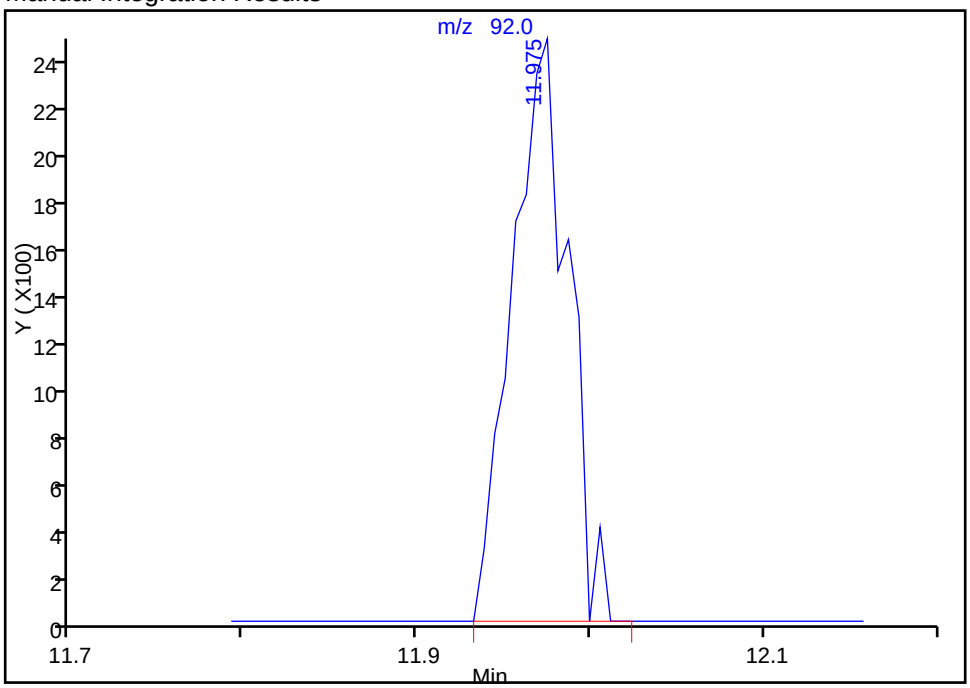
Processing Integration Results

RT: 11.97
Area: 4336
Amount: 1.018213
Amount Units: ug/L



Manual Integration Results

RT: 11.97
Area: 5538
Amount: 1.300475
Amount Units: ug/L



Reviewer: diasn, 16-Dec-2015 19:13:11
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

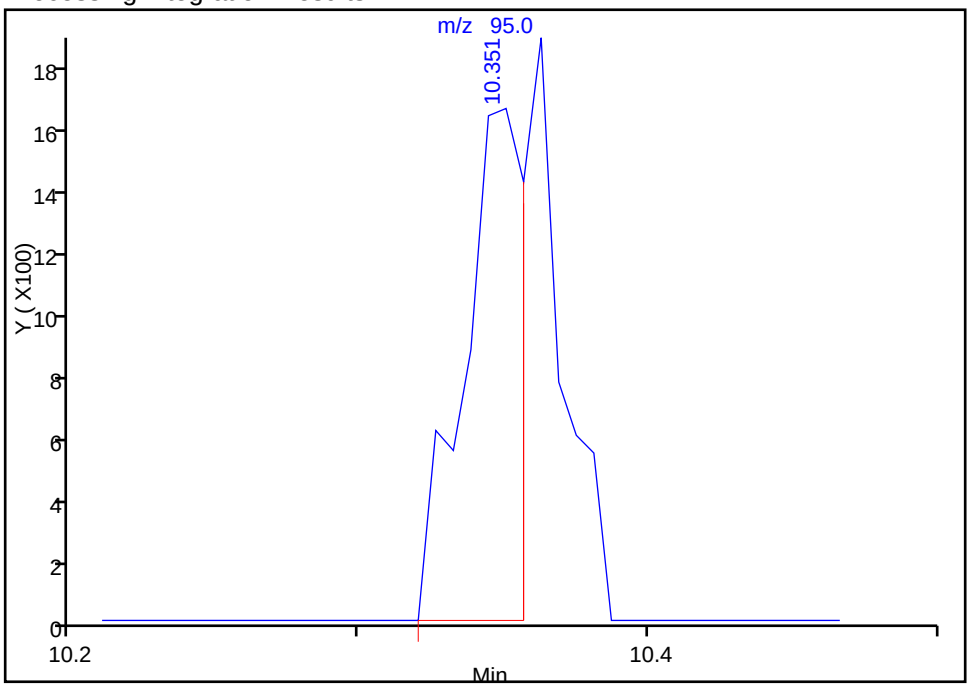
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2411.D				
Injection Date:	16-Dec-2015 15:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-23-B	Lab Sample ID:	480-92332-23		
Client ID:	B28-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6

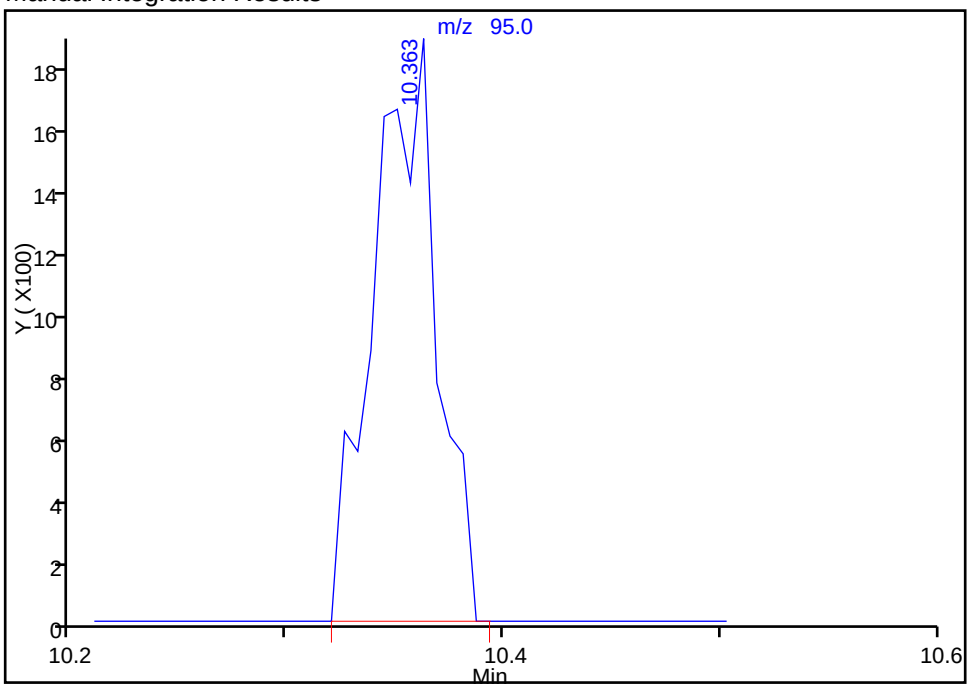
Processing Integration Results

RT: 10.35
Area: 2401
Amount: 0.565267
Amount Units: ug/L



Manual Integration Results

RT: 10.36
Area: 3753
Amount: 0.883567
Amount Units: ug/L



Reviewer: diasn, 16-Dec-2015 19:13:11
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 | Lab Sample ID: 480-92332-24

Matrix: Solid | Lab File ID: P2394.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.2(g) | Date Analyzed: 12/15/2015 23:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.2	0.68
75-34-3	1,1-Dichloroethane	38		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND		5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.2	2.6
106-93-4	1,2-Dibromoethane	ND		5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND		5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	4.5	J	26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND		5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.51
108-90-7	Chlorobenzene	ND		5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	79		5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND		5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	6.1		5.2	0.36
98-82-8	Isopropylbenzene	ND		5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 | Lab Sample ID: 480-92332-24

Matrix: Solid | Lab File ID: P2394.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.2(g) | Date Analyzed: 12/15/2015 23:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND		5.2	0.26
127-18-4	Tetrachloroethene	690	E	5.2	0.70
108-88-3	Toluene	7.6		5.2	0.39
156-60-5	trans-1,2-Dichloroethene	11		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.3
79-01-6	Trichloroethene	1100	E	5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	2.8	J	10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	91		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D
Lims ID: 480-92332-A-24-A Lab Sample ID: 480-92332-24
Client ID: B29-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 23:31:30 ALS Bottle#: 18 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-24-A
Misc. Info.: 480-0049245-024
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 09:24:31 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 09:26:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	325380	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	675903	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	587685	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	273409	54.4	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1462674	49.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	86	468876	45.5	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96	6.353	6.378	-0.025	78	2716	0.2502	
24 Acetone	43	6.408	6.390	0.018	99	16137	4.33	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.785	6.773	0.012	99	78239	2.33	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	93	98011	10.7	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	743522	36.5	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	85	748848	75.4	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78	9.596	9.596	0.000	81	8711	0.2428	
60 1,2-Dichloroethane	62		9.620				ND	
62 Trichloroethene	95	10.350	10.350	0.000	92	9921957	1021.2	E
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	97	175240	7.30	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	95	6059063	657.4	E
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	13.946	13.946	0.000	99	241395	5.80	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	100	47778	2.71	
93 o-Xylene	106	14.633	14.633	0.000	96	6067	0.3418	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1				0		3.05	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

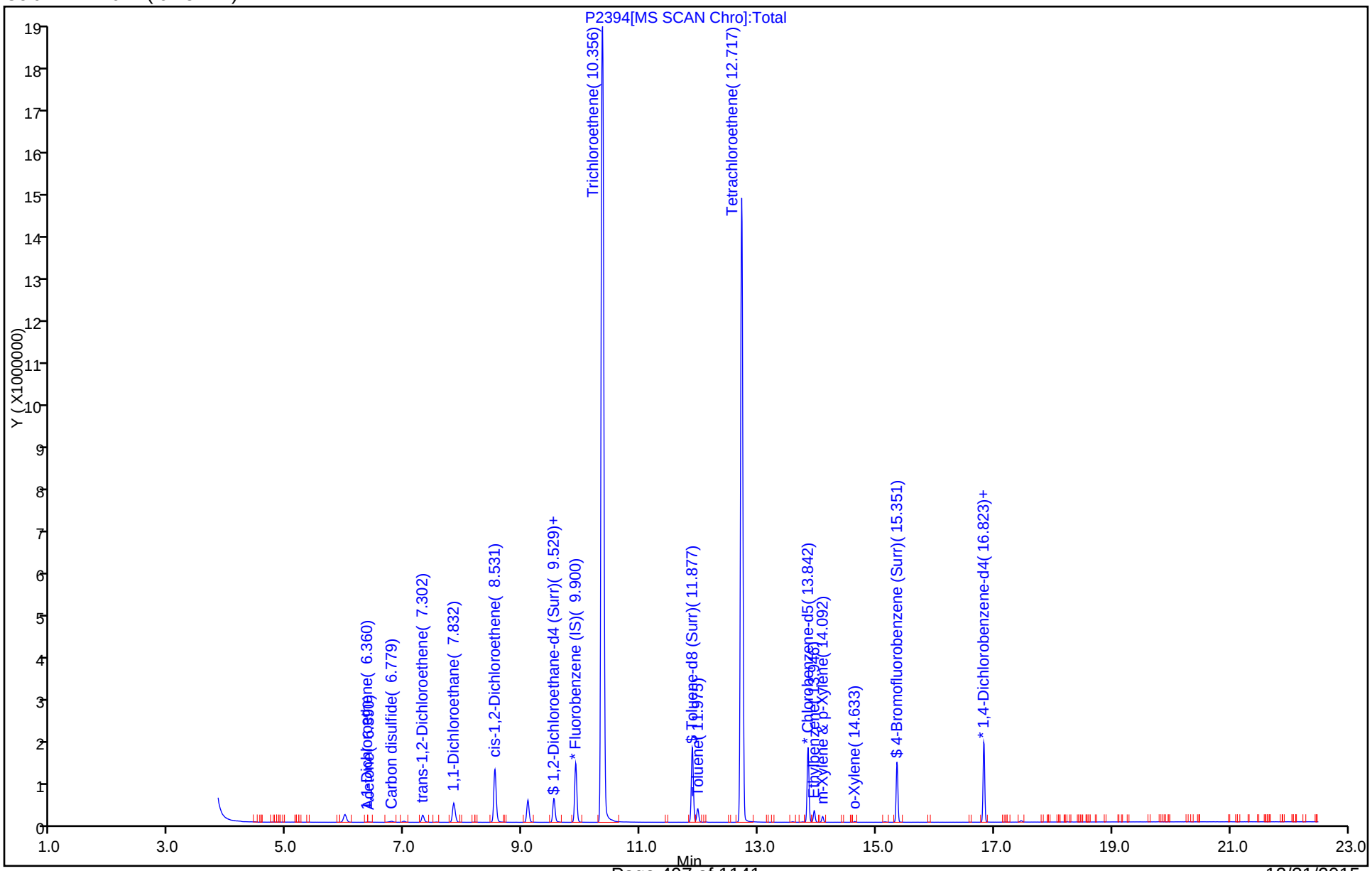
Report Date: 16-Dec-2015 09:26:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24	Worklist Smp#:	24
Client ID:	B29-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

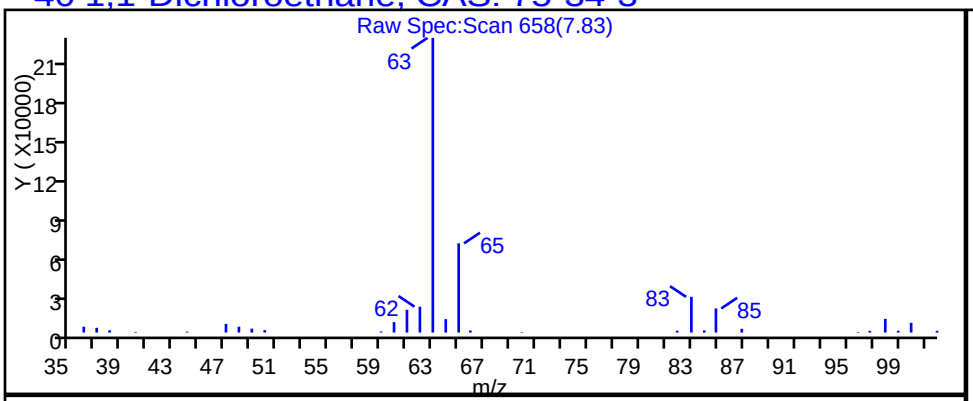


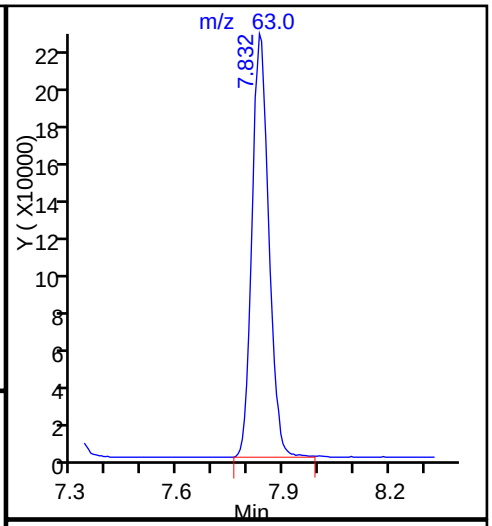
TestAmerica Buffalo

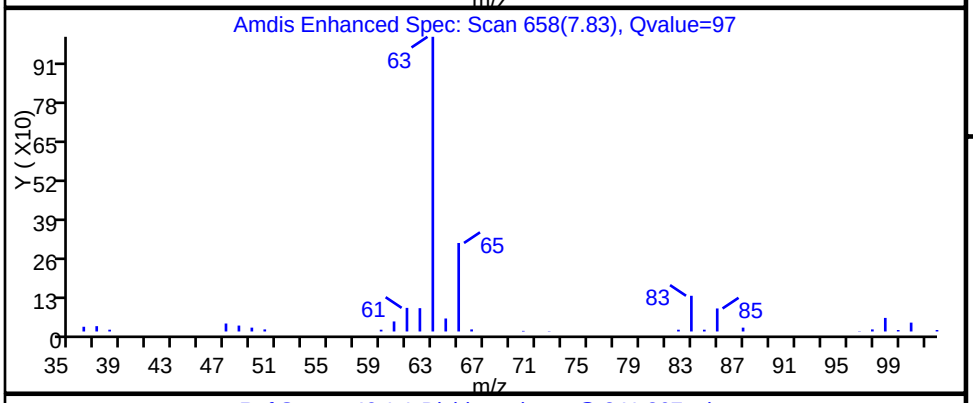
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

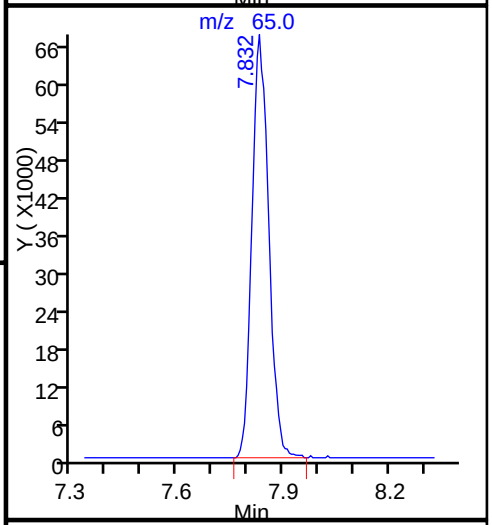
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

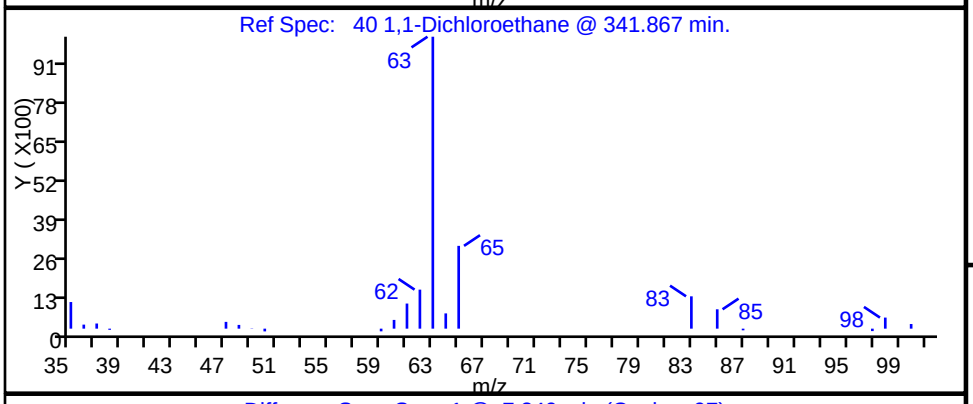
40 1,1-Dichloroethane, CAS: 75-34-3

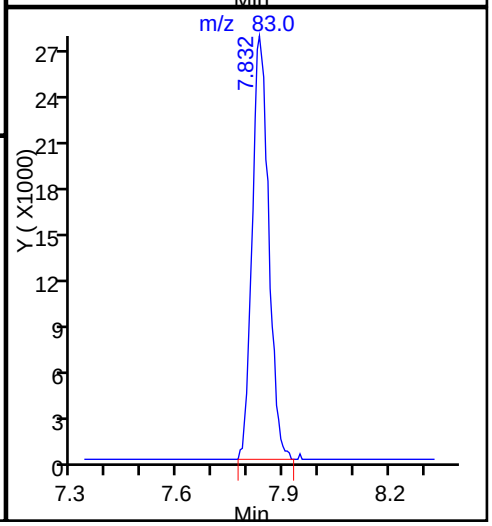


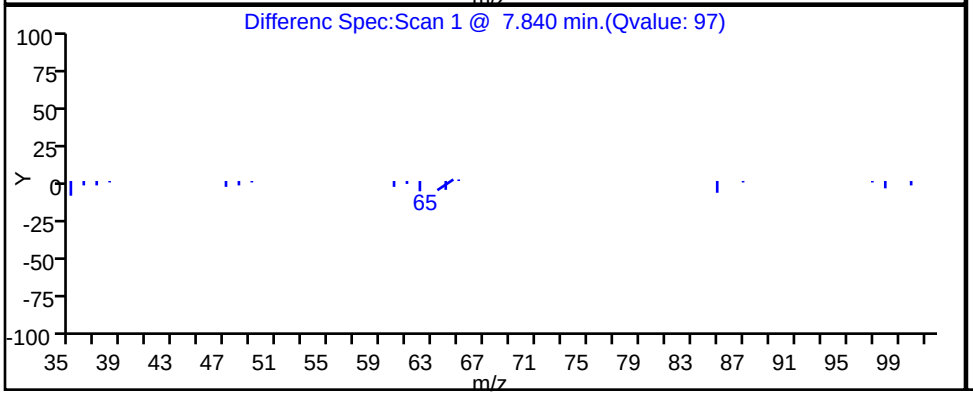












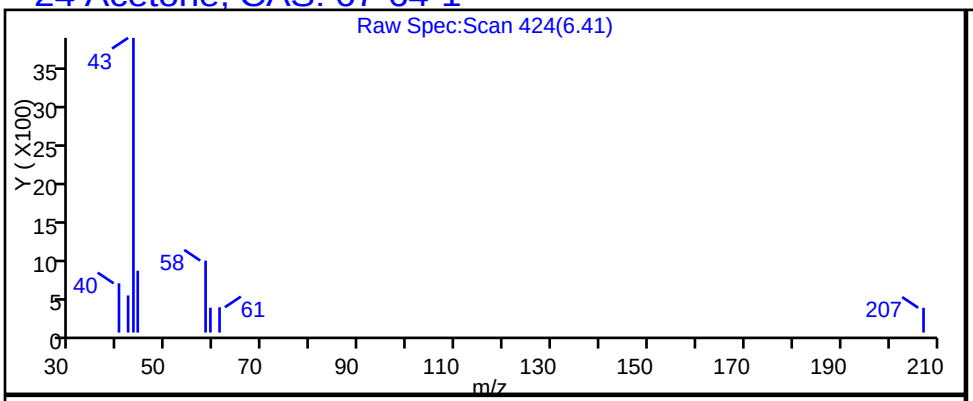
Report Date: 16-Dec-2015 09:26:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

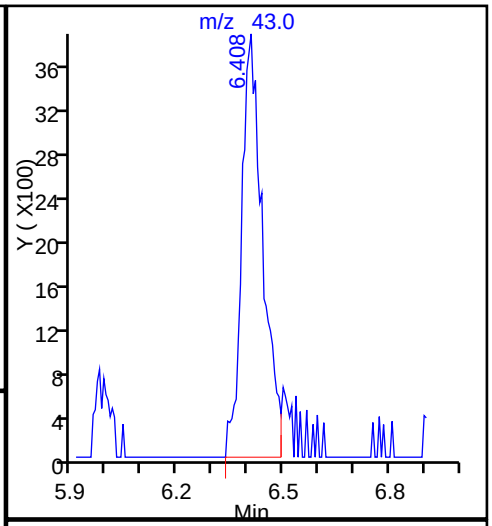
TestAmerica Buffalo

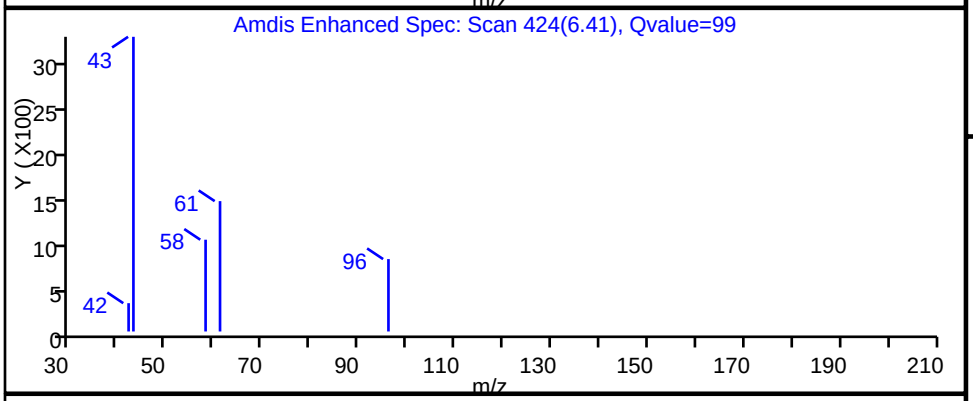
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

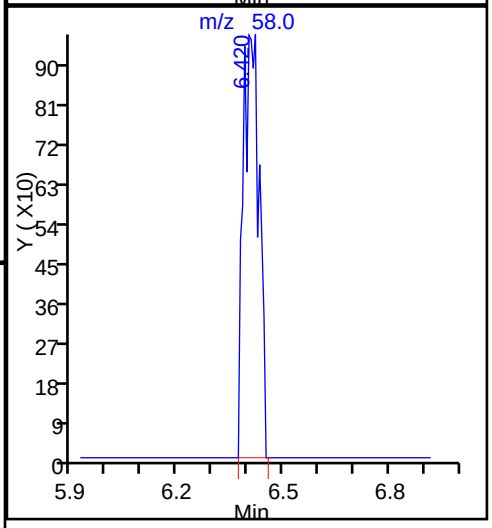
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

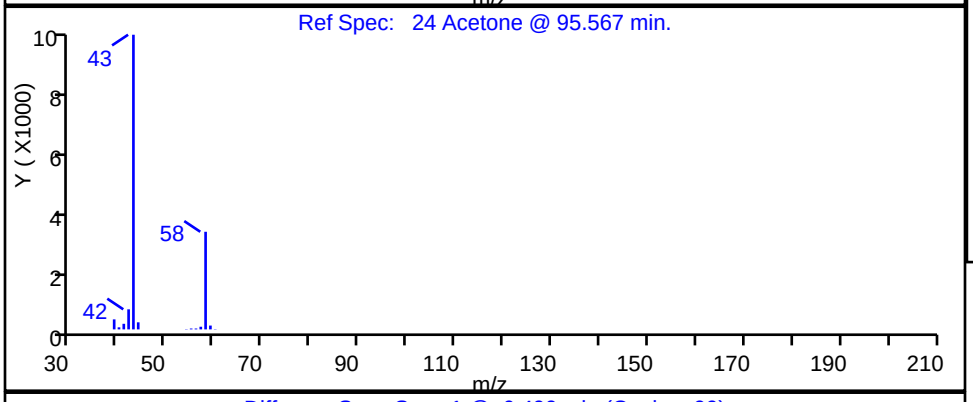
24 Acetone, CAS: 67-64-1

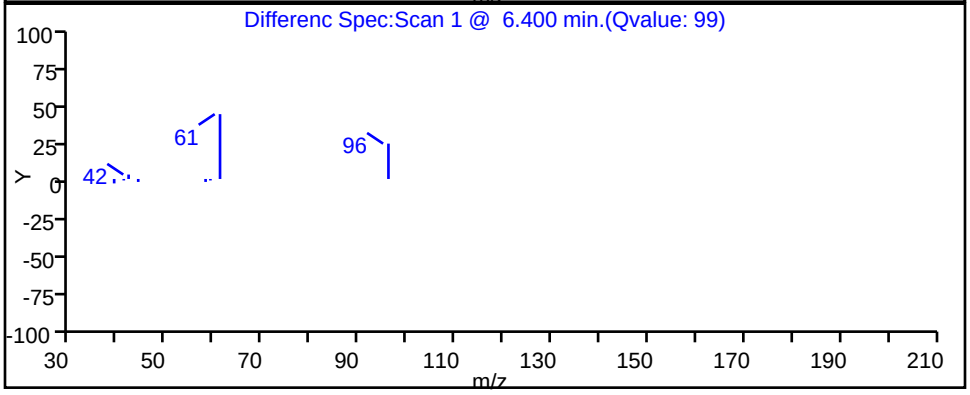








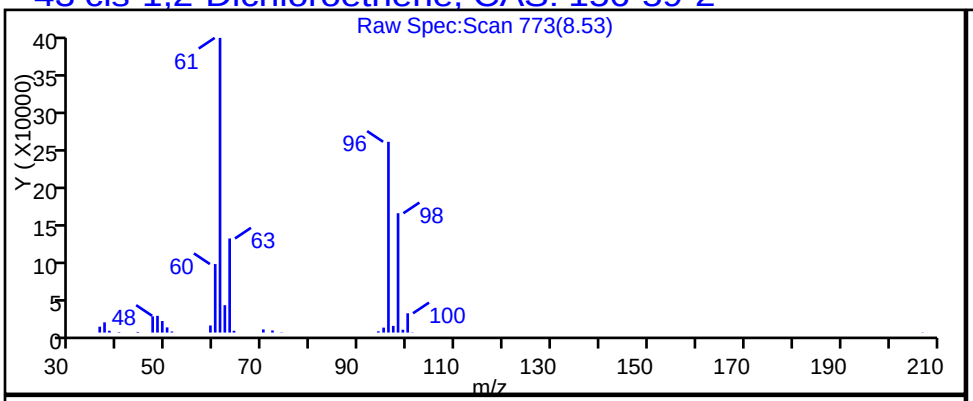


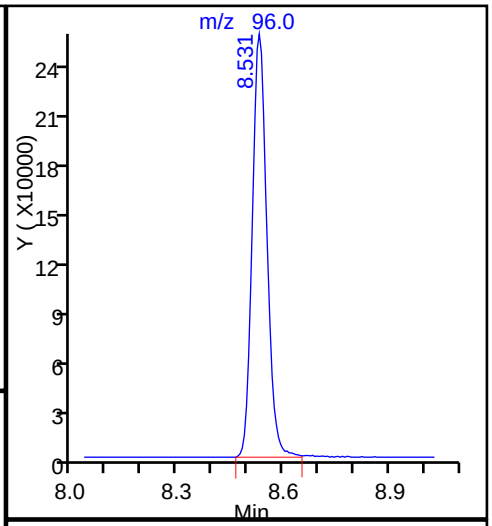


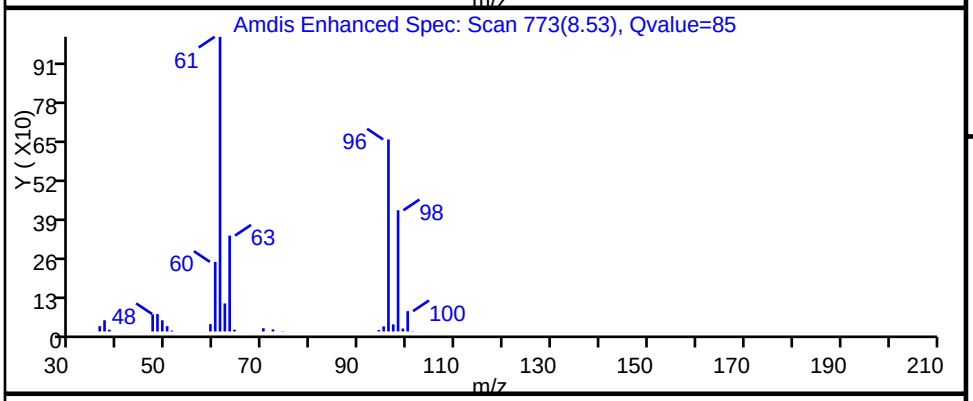
TestAmerica Buffalo

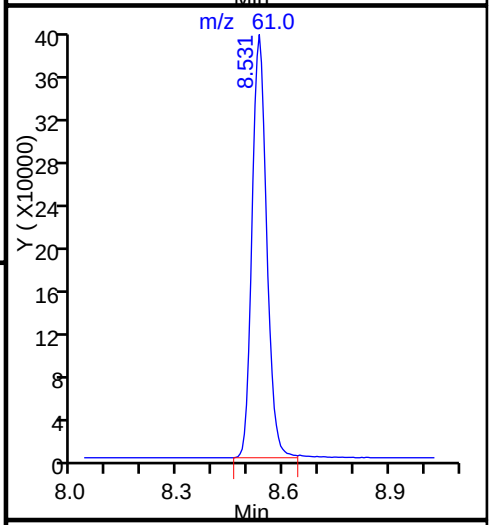
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D				
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

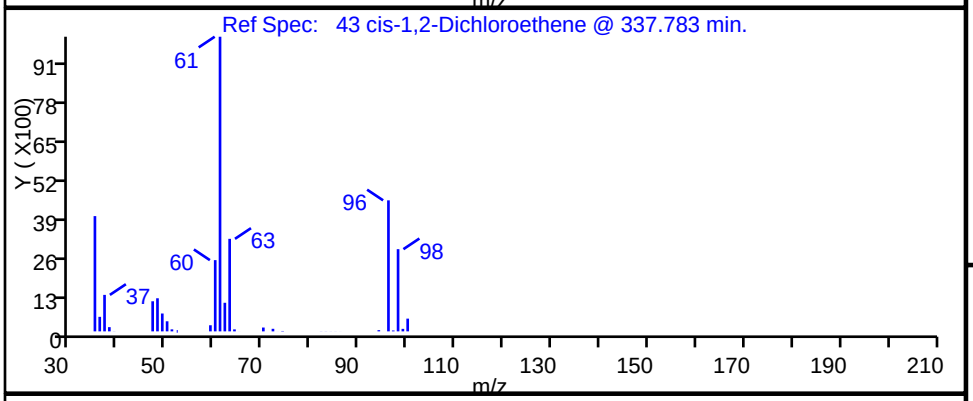
43 cis-1,2-Dichloroethene, CAS: 156-59-2

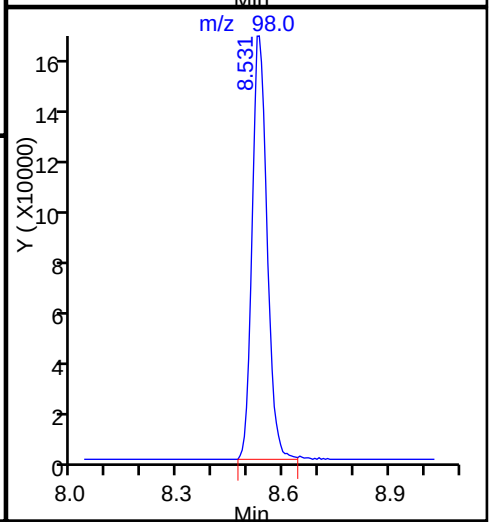


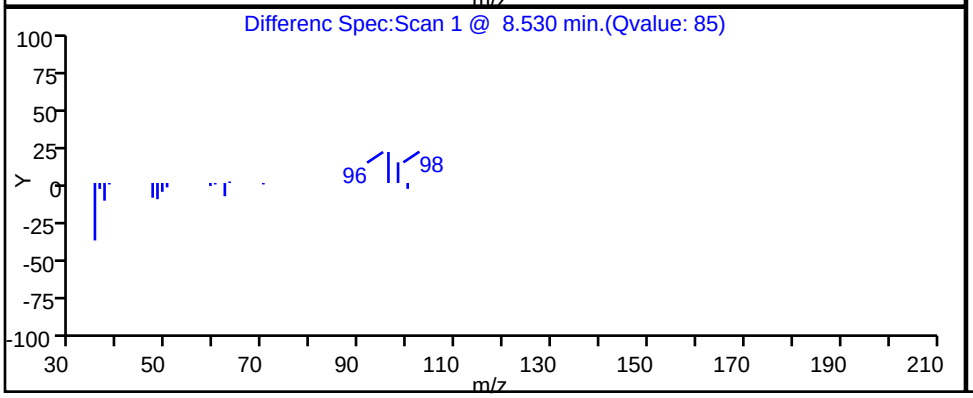












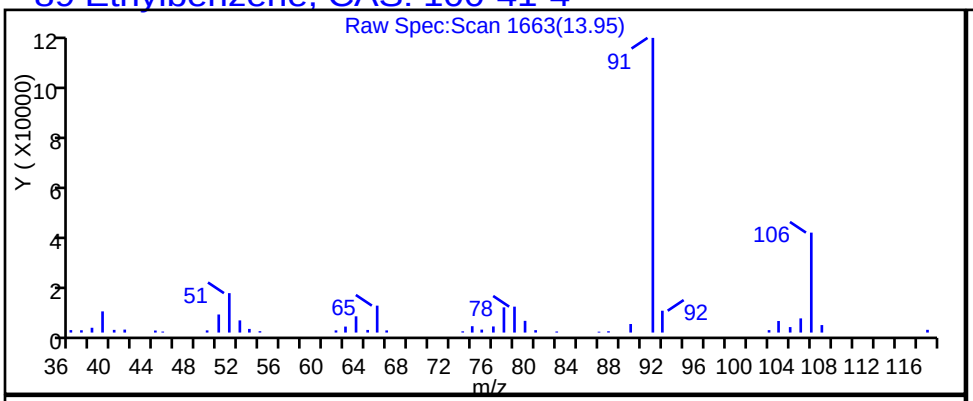
Report Date: 16-Dec-2015 09:26:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

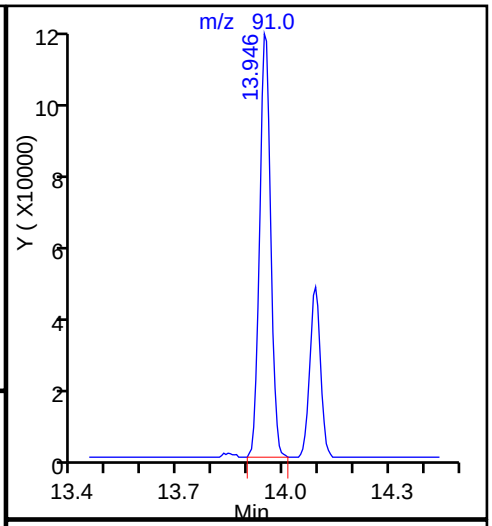
TestAmerica Buffalo

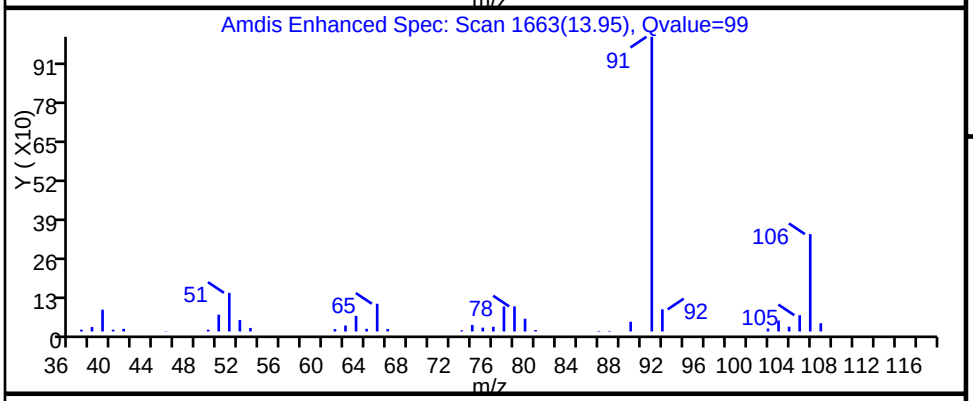
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

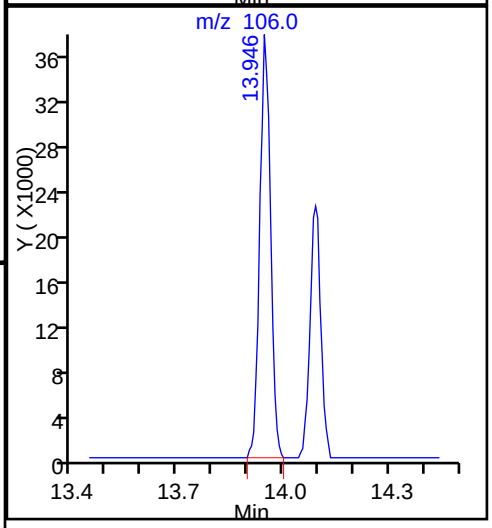
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

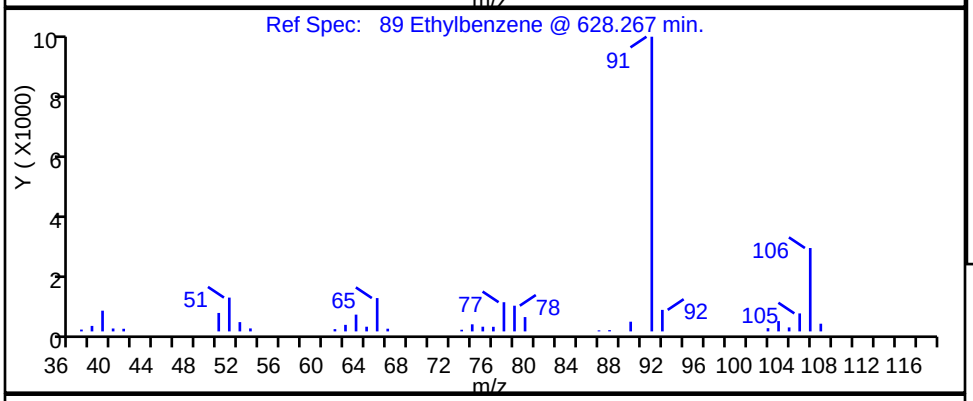
89 Ethylbenzene, CAS: 100-41-4

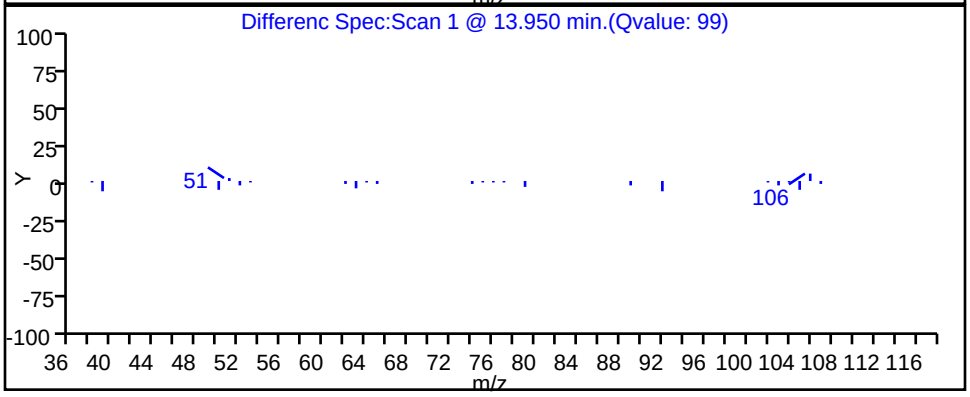










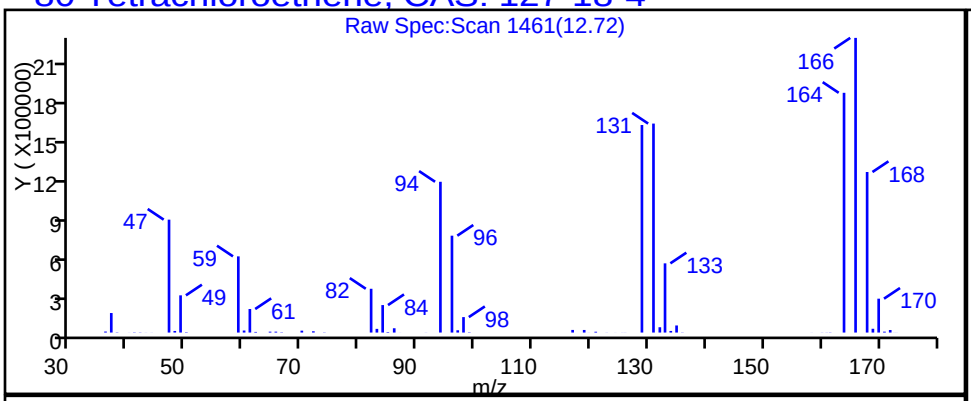


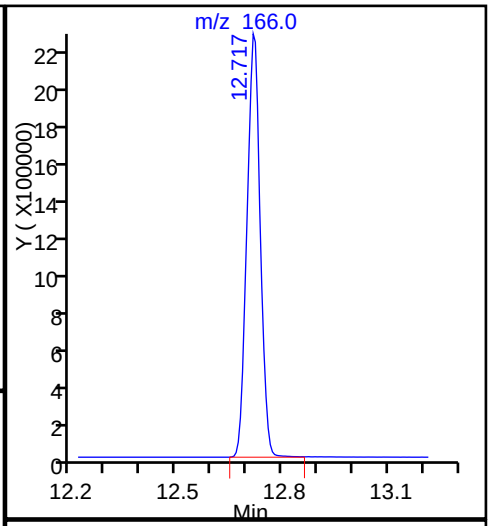
TestAmerica Buffalo

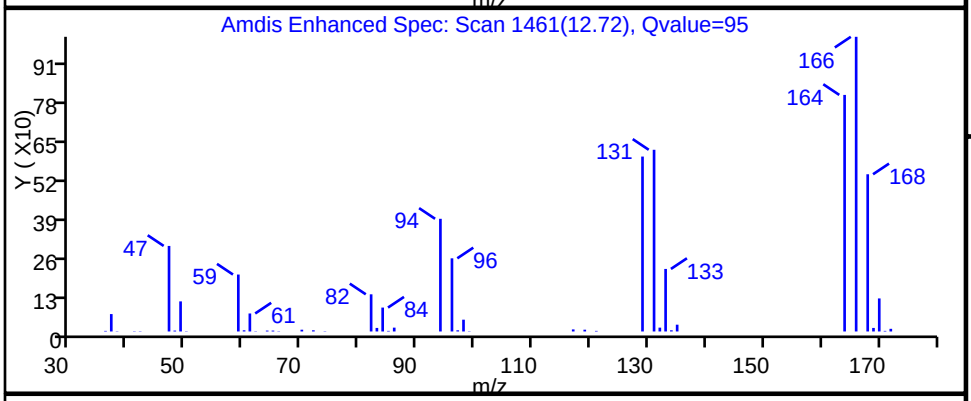
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

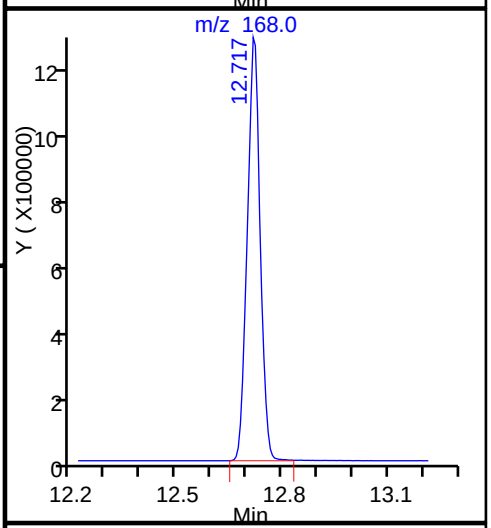
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

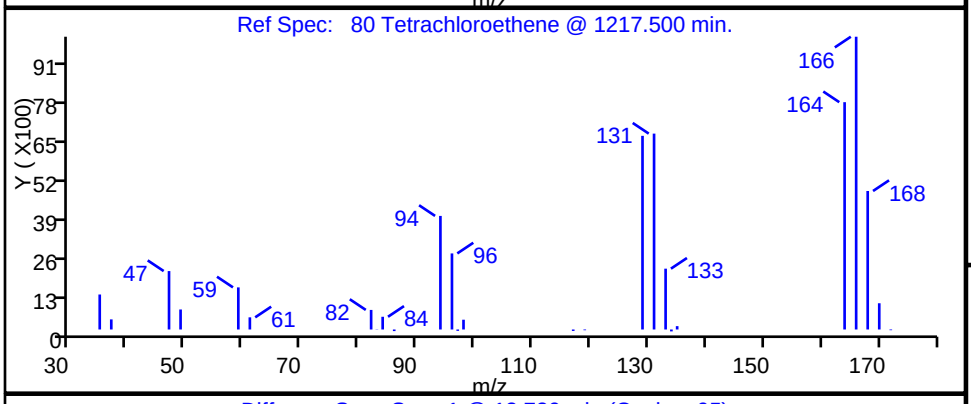
80 Tetrachloroethene, CAS: 127-18-4

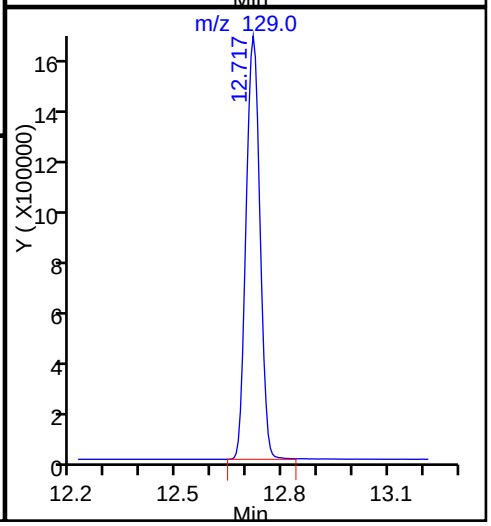


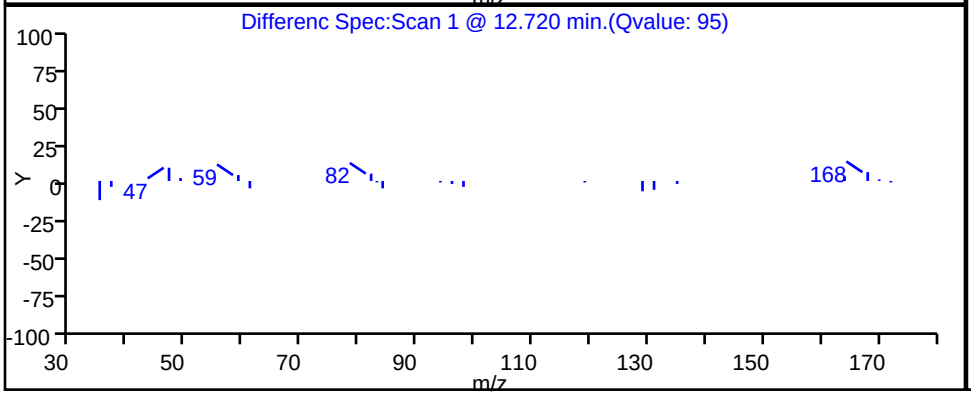












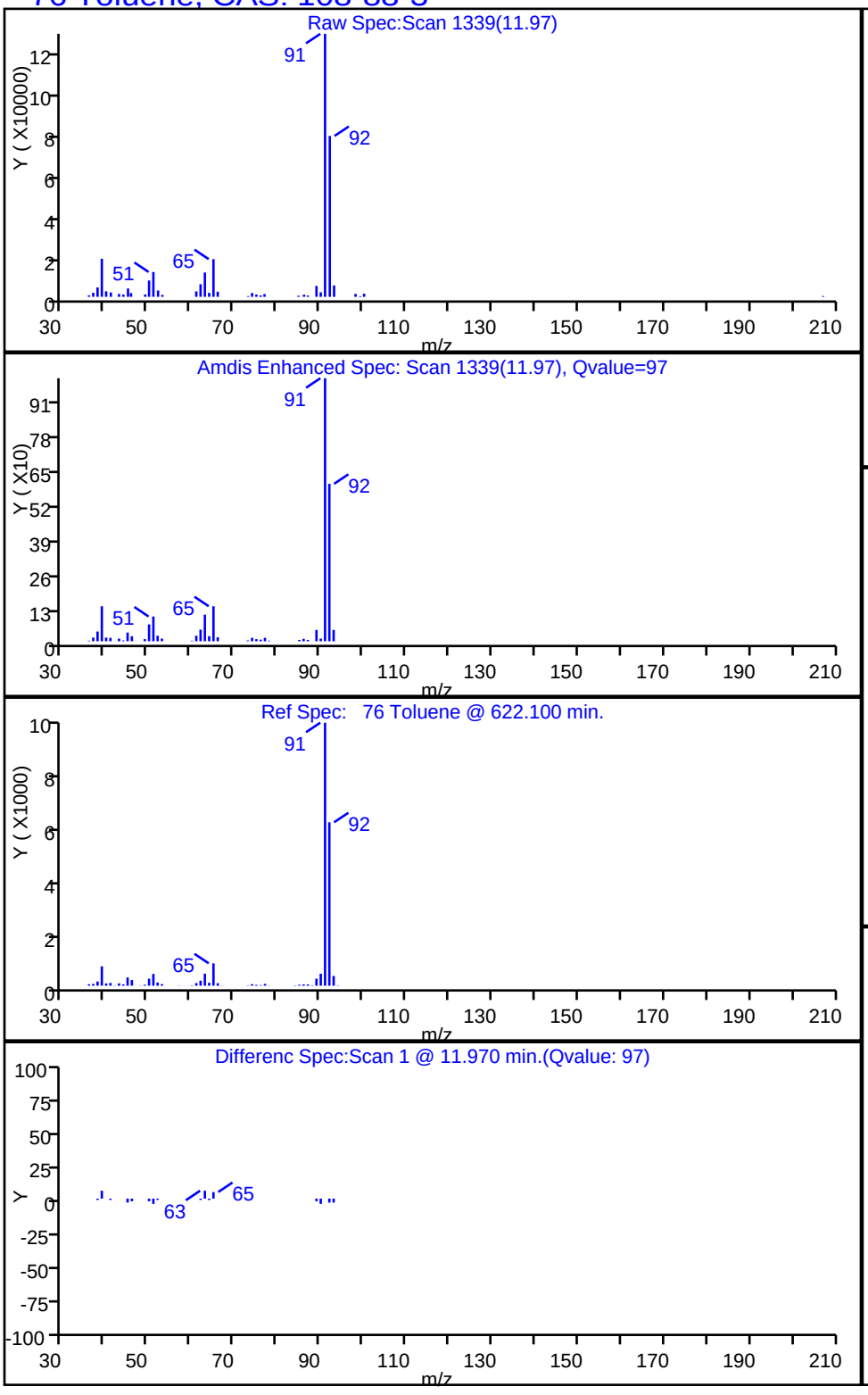
Report Date: 16-Dec-2015 09:26:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

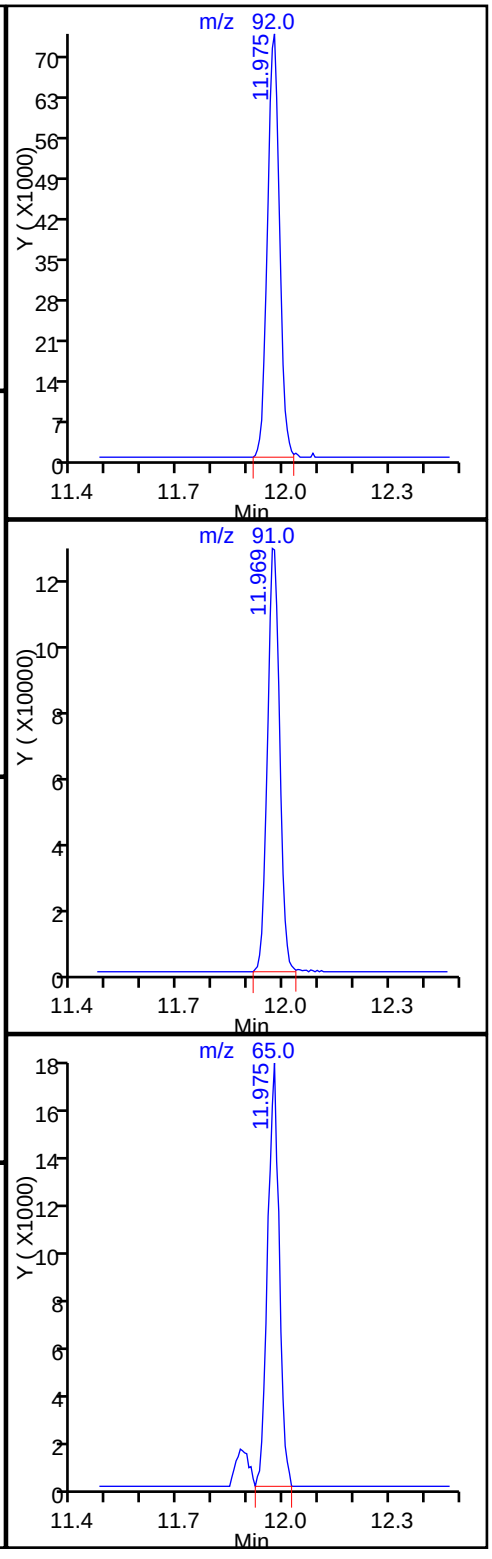
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

76 Toluene, CAS: 108-88-3





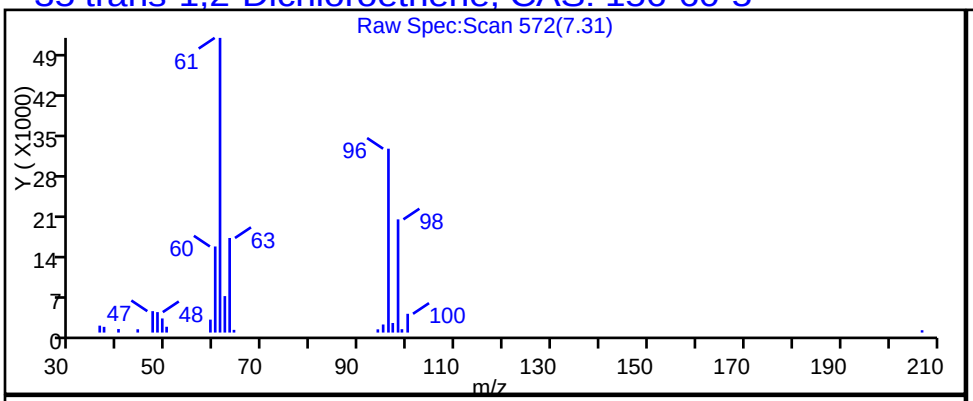
Report Date: 16-Dec-2015 09:26:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

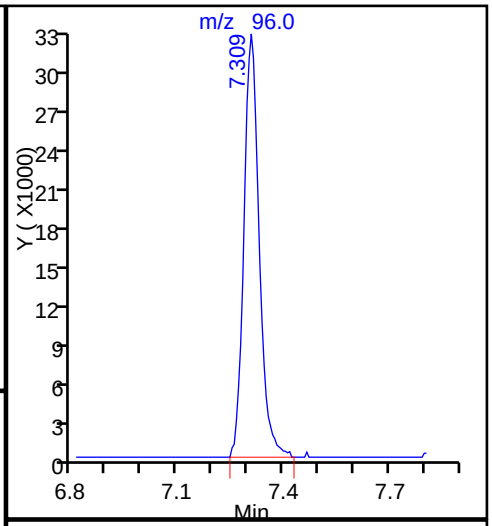
TestAmerica Buffalo

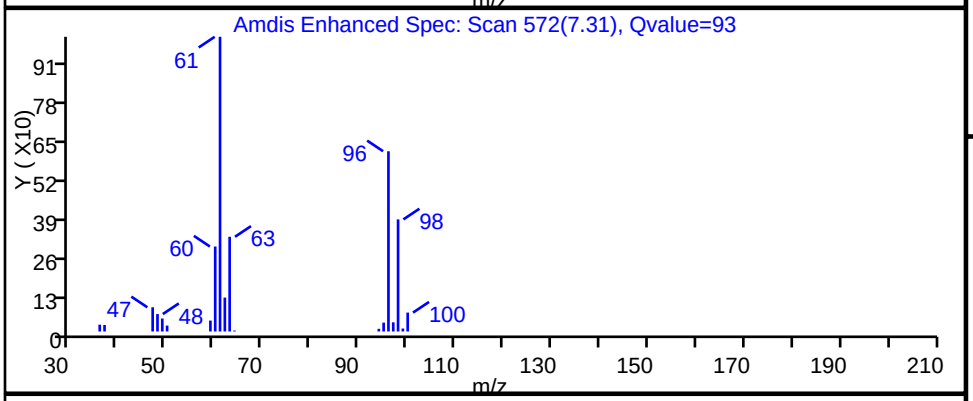
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

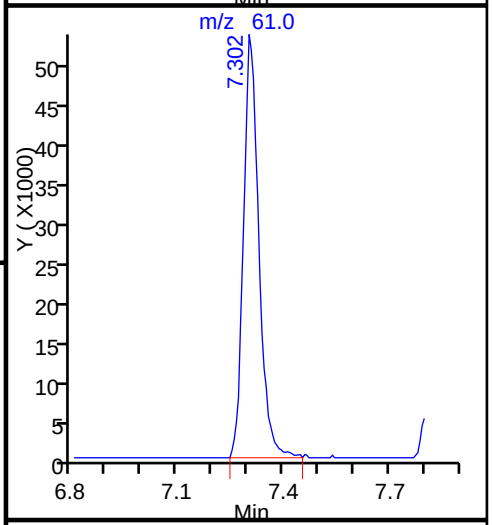
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

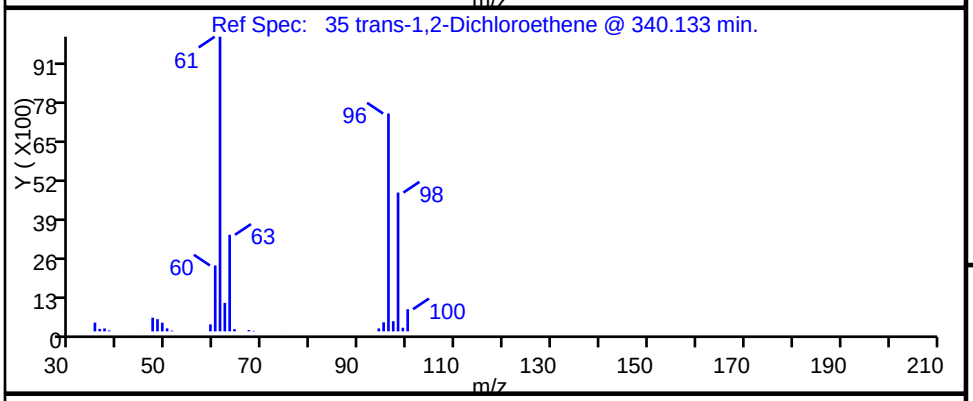
35 trans-1,2-Dichloroethene, CAS: 156-60-5

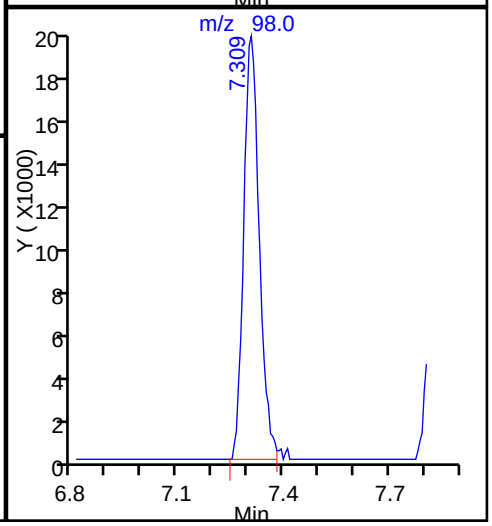


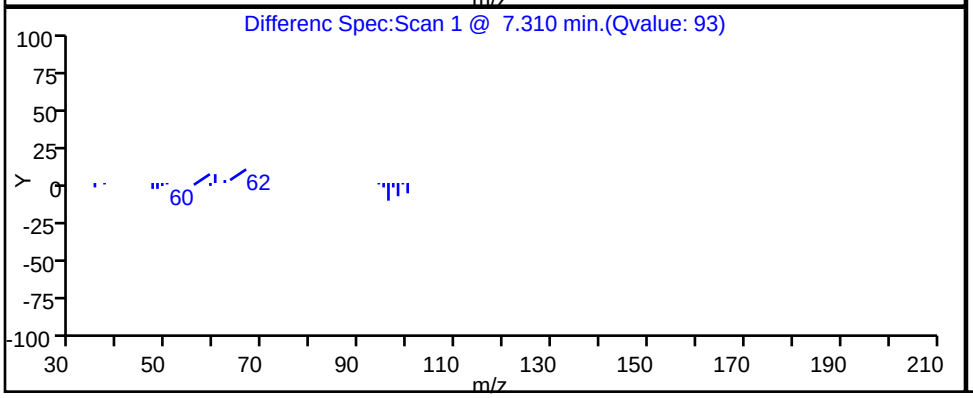










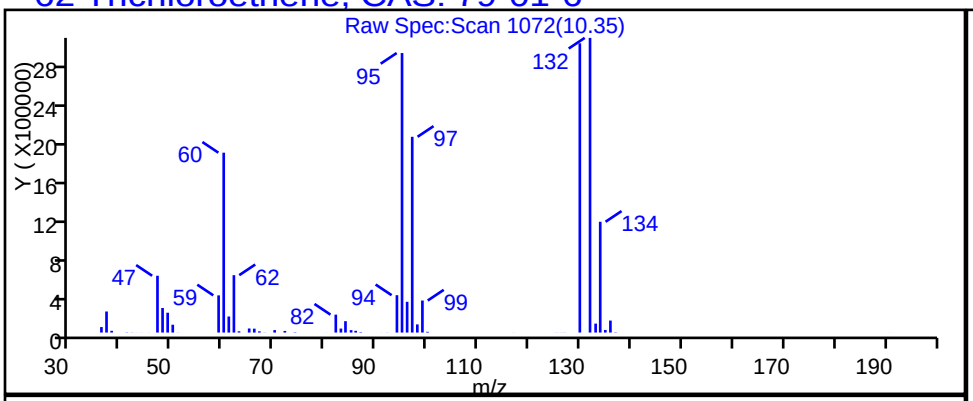


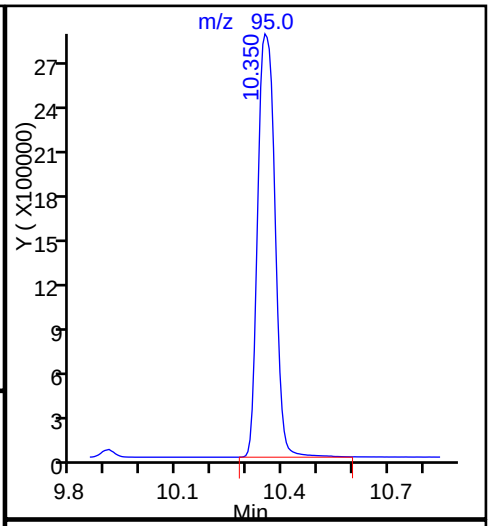
TestAmerica Buffalo

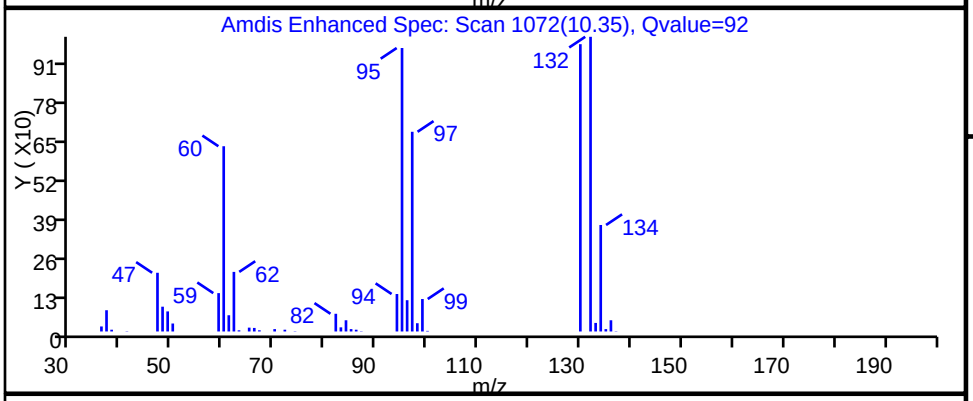
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

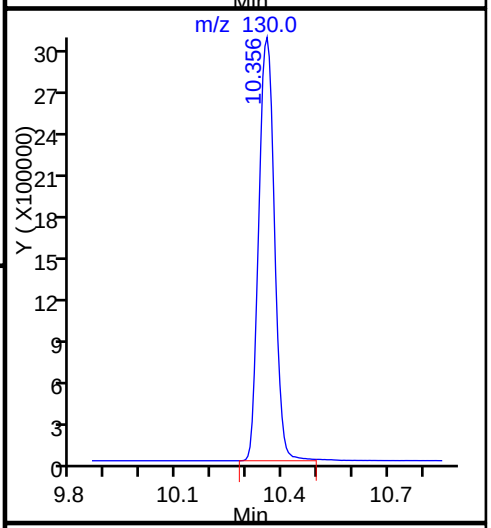
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24
Client ID:	B29-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	18 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

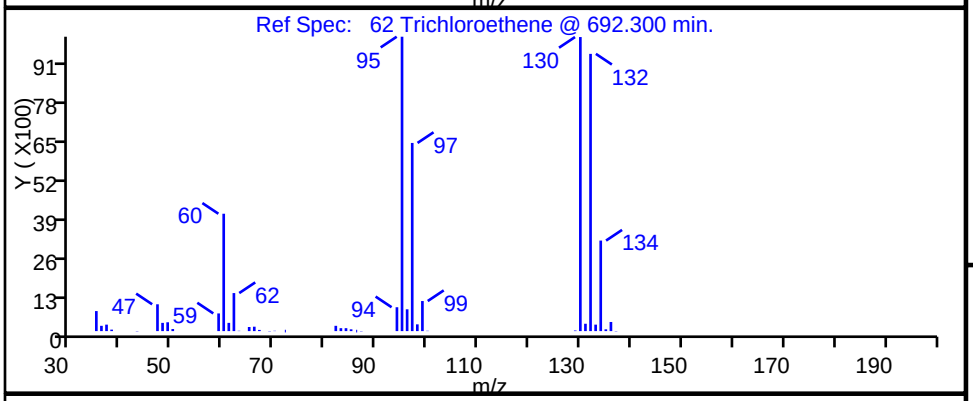
62 Trichloroethene, CAS: 79-01-6

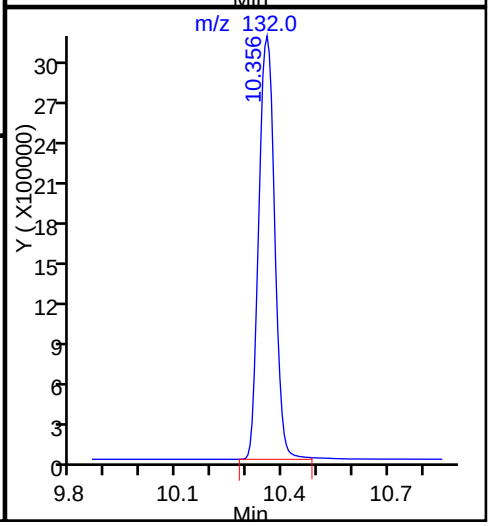


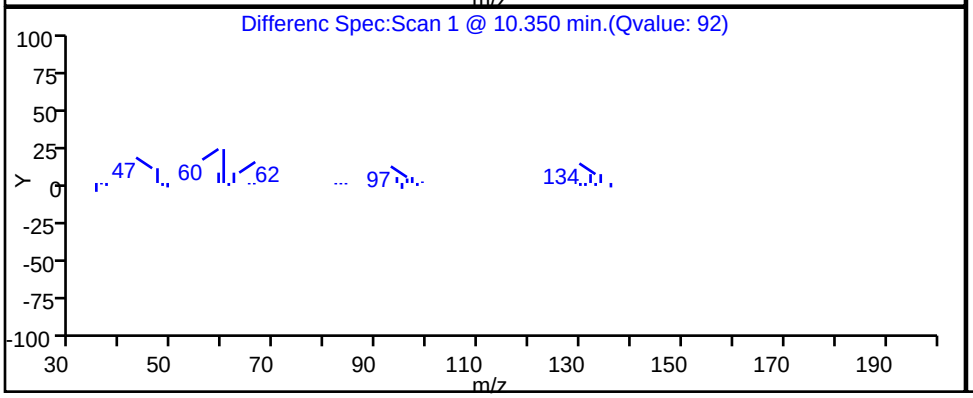












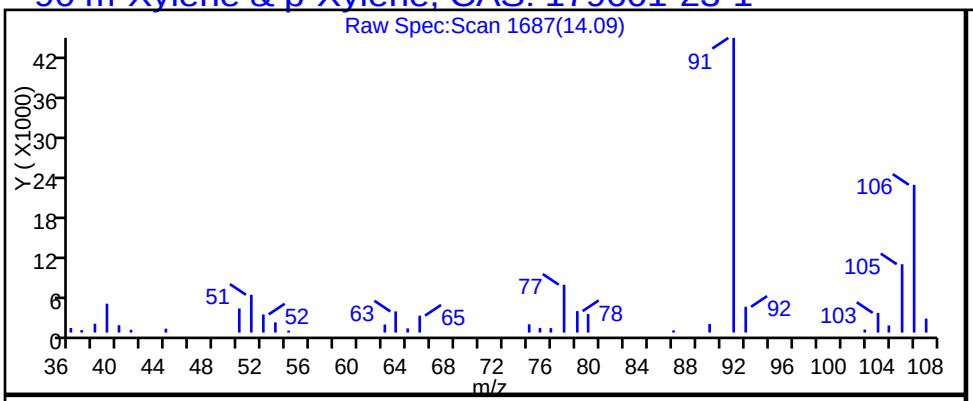
Report Date: 16-Dec-2015 09:26:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

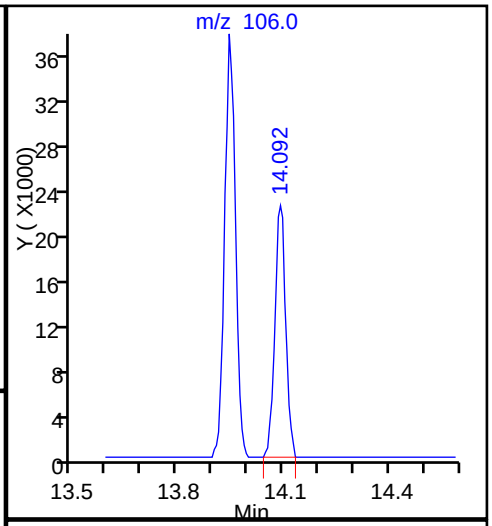
TestAmerica Buffalo

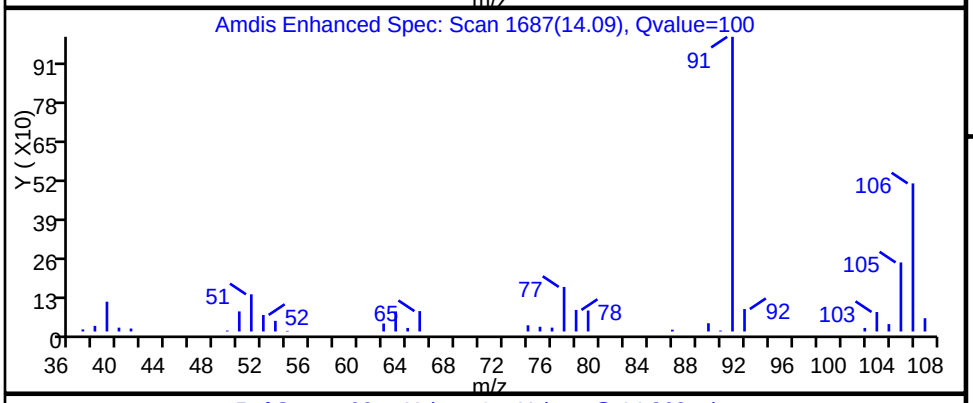
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

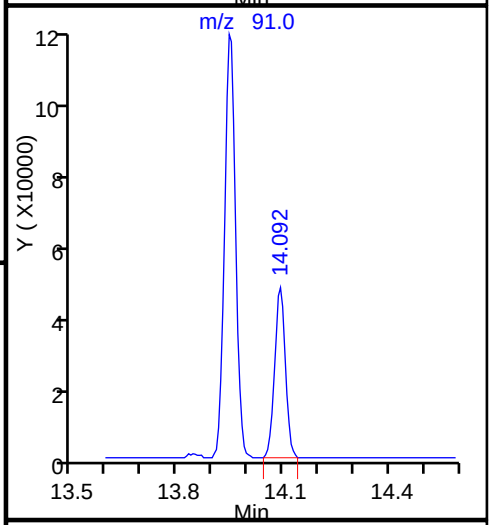
Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

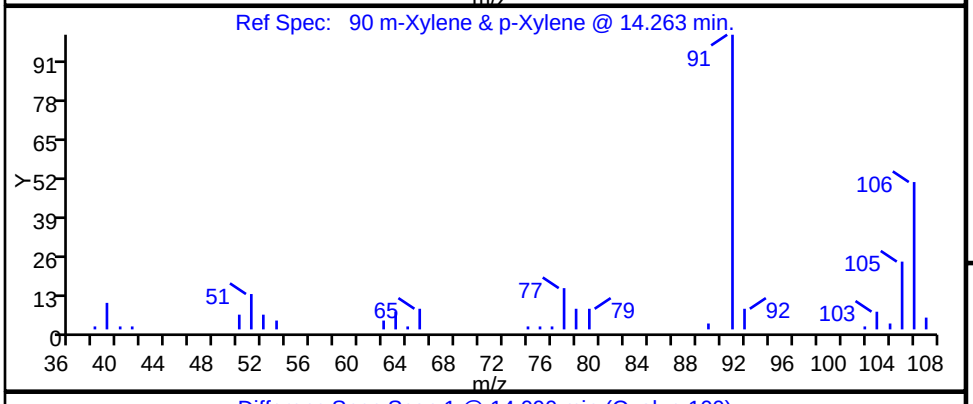
90 m-Xylene & p-Xylene, CAS: 179601-23-1

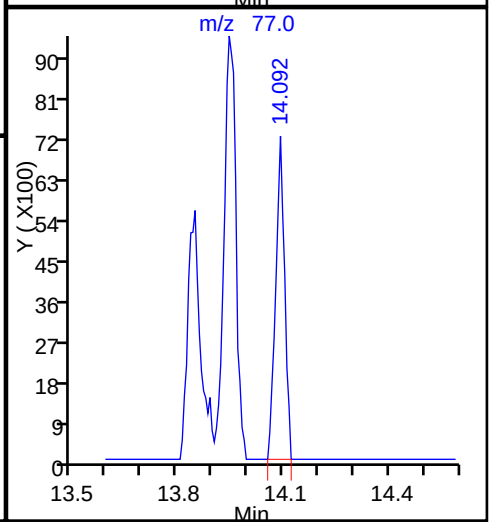


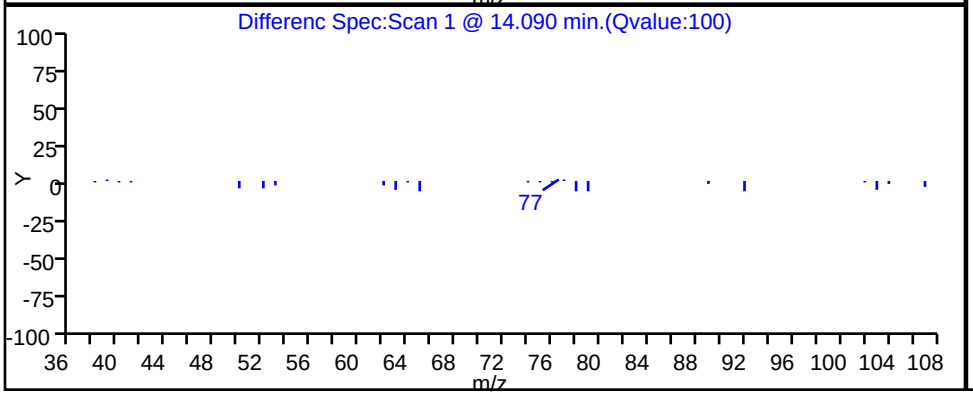












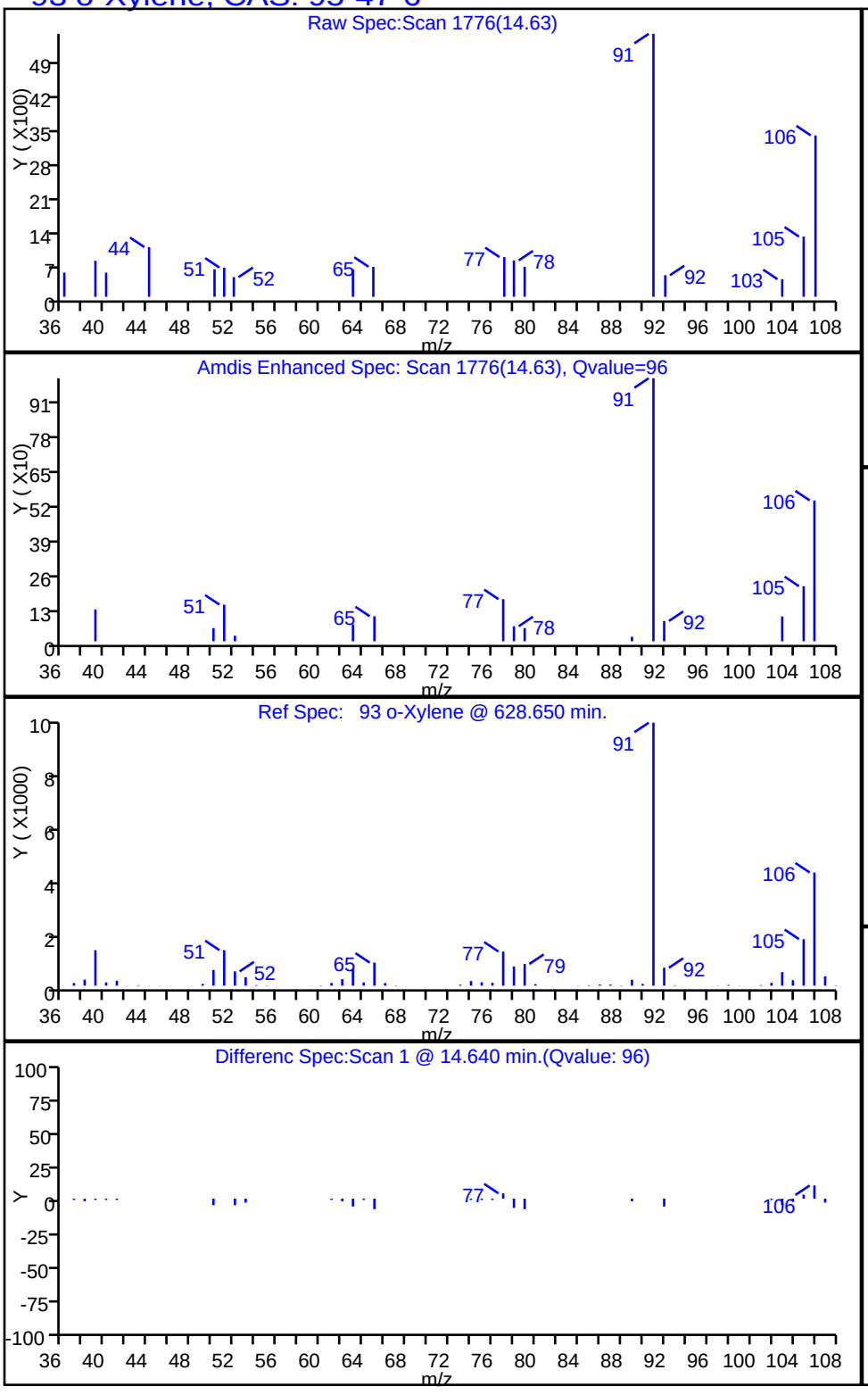
Report Date: 16-Dec-2015 09:26:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

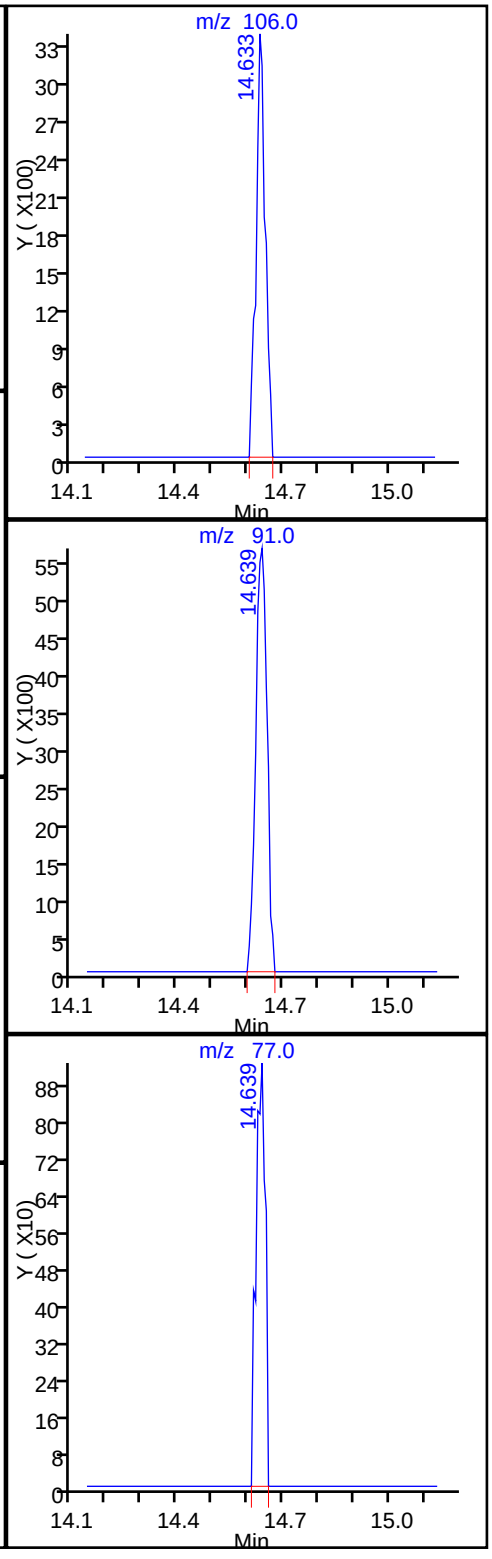
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2394.D

Injection Date:	15-Dec-2015 23:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-24-A	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

93 o-Xylene, CAS: 95-47-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 DL | Lab Sample ID: 480-92332-24 DL

Matrix: Solid | Lab File ID: S6487.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.09(g) | Date Analyzed: 12/22/2015 23:56

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		440	120
79-34-5	1,1,2,2-Tetrachloroethane	ND		440	72
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		440	220
79-00-5	1,1,2-Trichloroethane	ND		440	93
75-34-3	1,1-Dichloroethane	ND		440	140
75-35-4	1,1-Dichloroethene	ND		440	150
120-82-1	1,2,4-Trichlorobenzene	ND		440	170
96-12-8	1,2-Dibromo-3-Chloropropane	ND		440	220
106-93-4	1,2-Dibromoethane	ND		440	78
95-50-1	1,2-Dichlorobenzene	ND		440	110
107-06-2	1,2-Dichloroethane	ND		440	180
78-87-5	1,2-Dichloropropane	ND		440	72
541-73-1	1,3-Dichlorobenzene	ND		440	120
106-46-7	1,4-Dichlorobenzene	ND		440	62
78-93-3	2-Butanone (MEK)	ND		2200	1300
591-78-6	2-Hexanone	ND		2200	910
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2200	140
67-64-1	Acetone	ND		2200	1800
71-43-2	Benzene	ND		440	84
75-27-4	Bromodichloromethane	ND		440	89
75-25-2	Bromoform	ND		440	220
74-83-9	Bromomethane	ND		440	98
75-15-0	Carbon disulfide	ND		440	200
56-23-5	Carbon tetrachloride	ND		440	110
108-90-7	Chlorobenzene	ND		440	59
75-00-3	Chloroethane	ND		440	92
67-66-3	Chloroform	ND		440	300
74-87-3	Chloromethane	ND		440	110
156-59-2	cis-1,2-Dichloroethene	ND		440	120
10061-01-5	cis-1,3-Dichloropropene	ND		440	110
110-82-7	Cyclohexane	ND		440	98
124-48-1	Dibromochloromethane	ND		440	210
75-71-8	Dichlorodifluoromethane	ND		440	190
100-41-4	Ethylbenzene	410	J	440	130
98-82-8	Isopropylbenzene	ND		440	67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 DL | Lab Sample ID: 480-92332-24 DL

Matrix: Solid | Lab File ID: S6487.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.09(g) | Date Analyzed: 12/22/2015 23:56

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		440	210
1634-04-4	Methyl tert-butyl ether	ND		440	170
108-87-2	Methylcyclohexane	ND		440	210
75-09-2	Methylene Chloride	ND		440	88
100-42-5	Styrene	ND		440	110
127-18-4	Tetrachloroethene	31000		440	60
108-88-3	Toluene	120	J	440	120
156-60-5	trans-1,2-Dichloroethene	ND		440	100
10061-02-6	trans-1,3-Dichloropropene	ND		440	44
79-01-6	Trichloroethene	18000		440	120
75-69-4	Trichlorofluoromethane	ND		440	210
75-01-4	Vinyl chloride	ND		440	150
1330-20-7	Xylenes, Total	ND		890	250

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
2037-26-5	Toluene-d8 (Surr)	97		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6487.D
Lims ID: 480-92332-A-24-B Lab Sample ID: 480-92332-24
Client ID: B29-AREA2-S1
Sample Type: Client
Inject. Date: 22-Dec-2015 23:56:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-92332-A-24-B
Misc. Info.: 480-0049505-011
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 10:21:59 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: goliszekg Date: 23-Dec-2015 10:21:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	98	122903	25.0	
* 2 Chlorobenzene-d5	82	8.397	8.391	0.006	87	251408	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	97	235598	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	95285	25.0	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	94	586947	26.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	178554	25.1	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.407				ND	
13 Vinyl chloride	62		1.511				ND	
14 Bromomethane	94		1.821				ND	
15 Chloroethane	64		1.924				ND	
17 Trichlorofluoromethane	101		2.149				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.660				ND	
22 1,1-Dichloroethene	96		2.667				ND	
23 Acetone	43		2.740				ND	
26 Carbon disulfide	76		2.855				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.171				ND	
32 Methyl tert-butyl ether	73		3.372				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63		3.792				ND	
45 cis-1,2-Dichloroethene	96		4.346				ND	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.136				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.751	-0.006	90	232459	39.9	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.688				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92	6.980	6.986	-0.006	52	3742	0.2745	
77 trans-1,3-Dichloropropene	75		7.247				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	465018	70.8	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.831				ND	
84 Ethylene Dibromide	107		7.935				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91	8.525	8.525	0.000	80	23063	0.9337	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	5651	0.5393	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.328				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.564				ND	
S 124 Xylenes, Total	1				0		0.5393	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

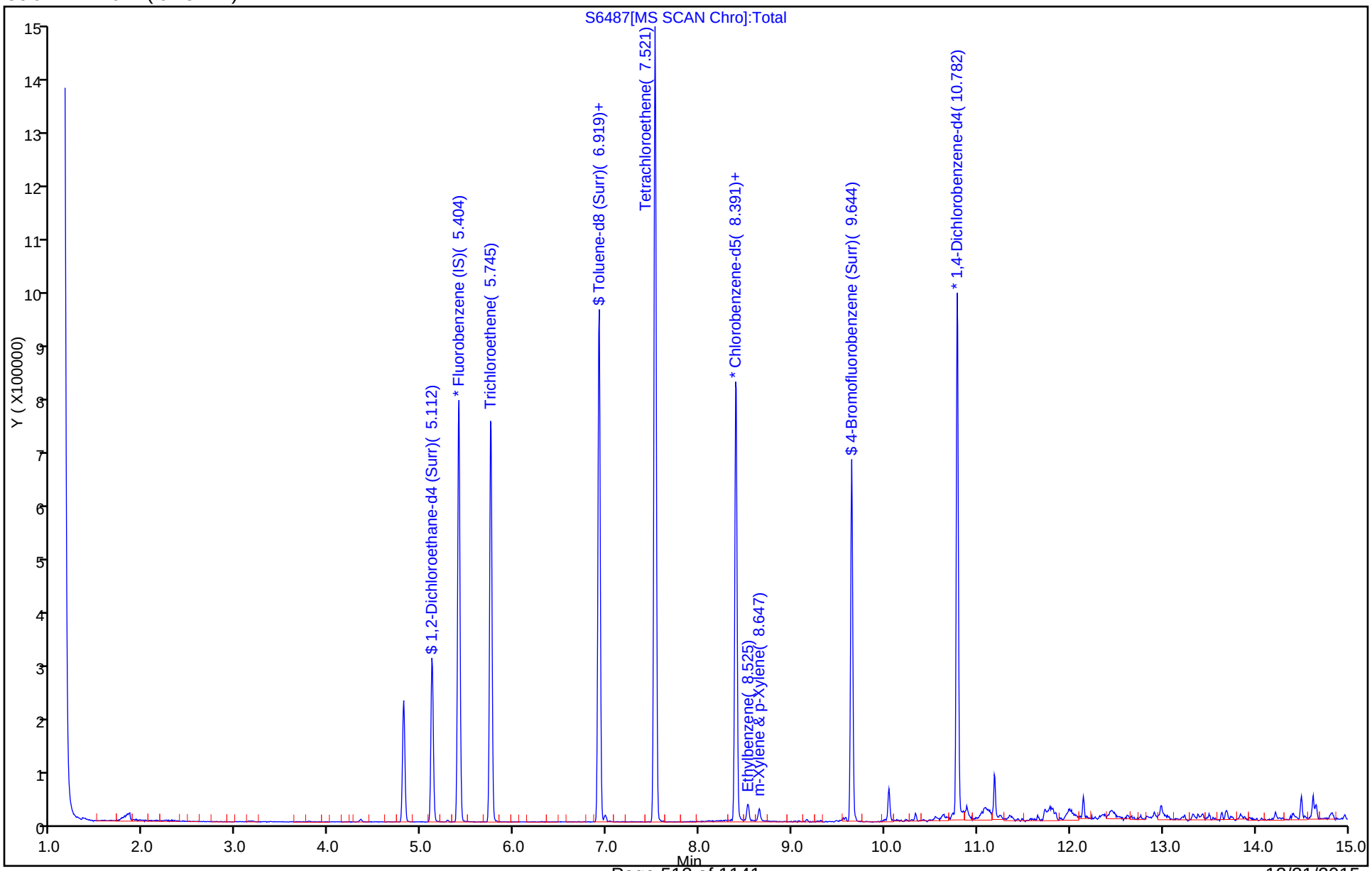
Report Date: 23-Dec-2015 10:22:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6487.D

Injection Date:	22-Dec-2015 23:56:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	480-92332-A-24-B	Lab Sample ID:	480-92332-24	Worklist Smp#:	11
Client ID:	B29-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

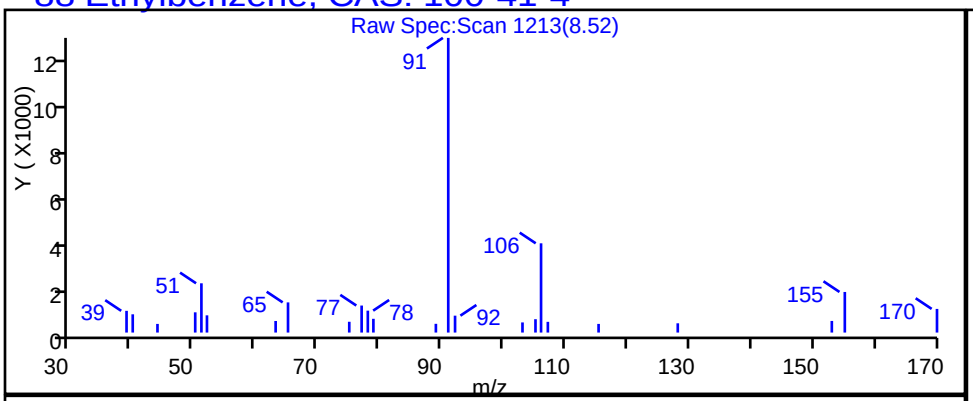
Column: ZB-624 (0.25 mm)

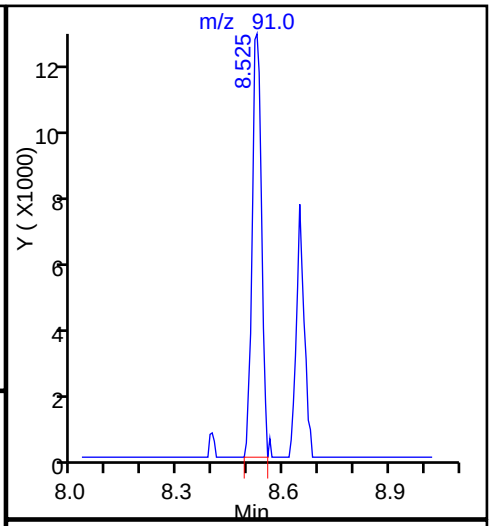


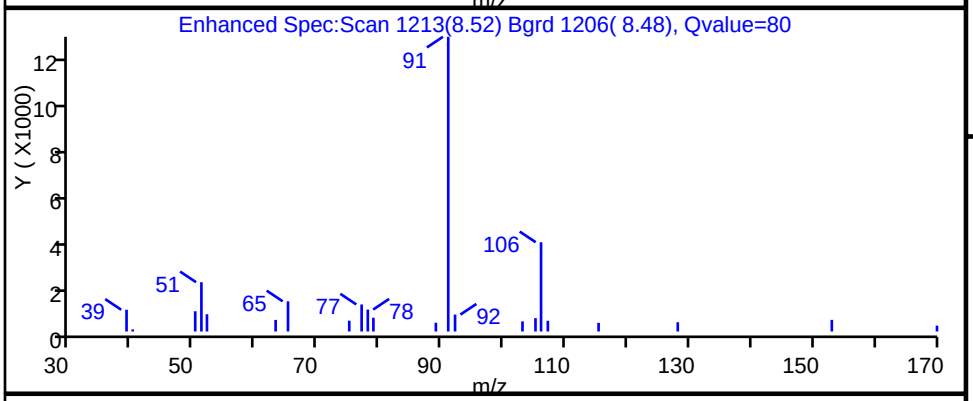
TestAmerica Buffalo

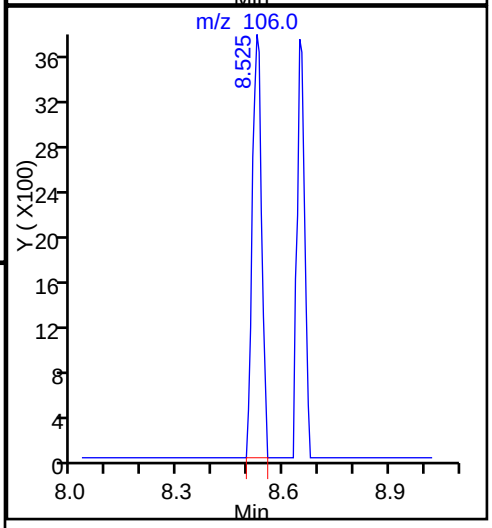
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6487.D				
Injection Date:	22-Dec-2015 23:56:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-24-B	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	8	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

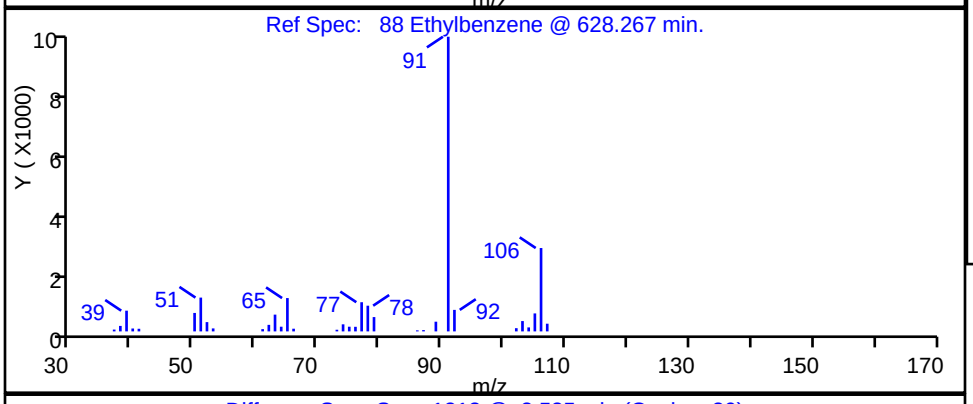
88 Ethylbenzene, CAS: 100-41-4

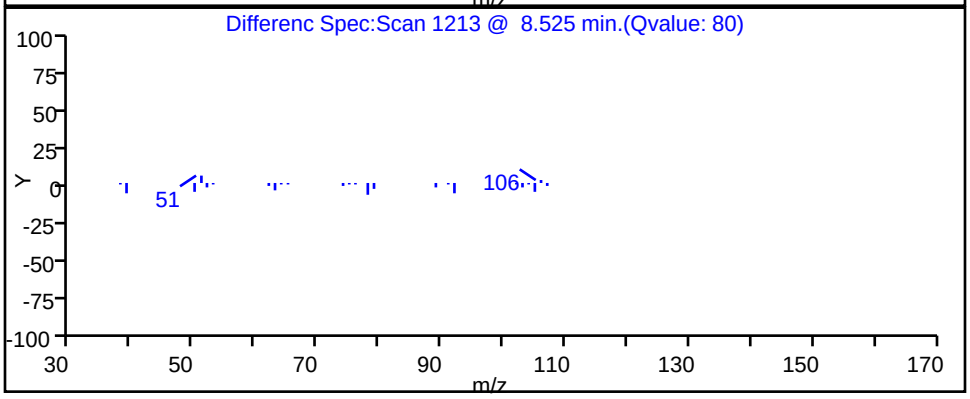










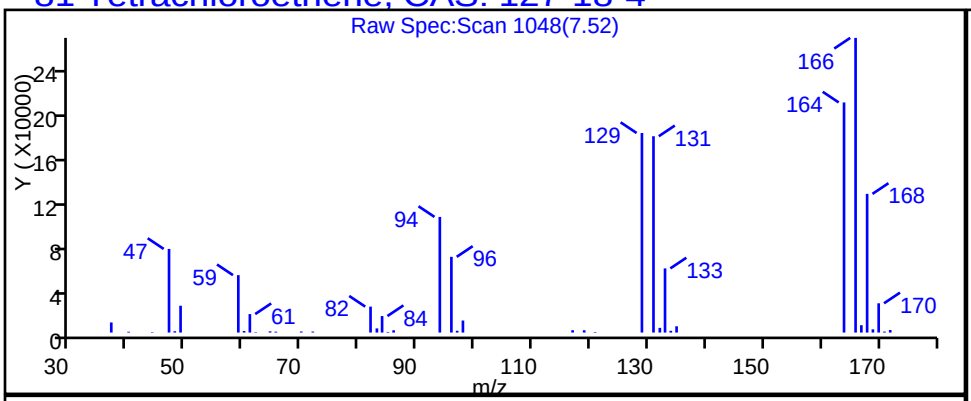


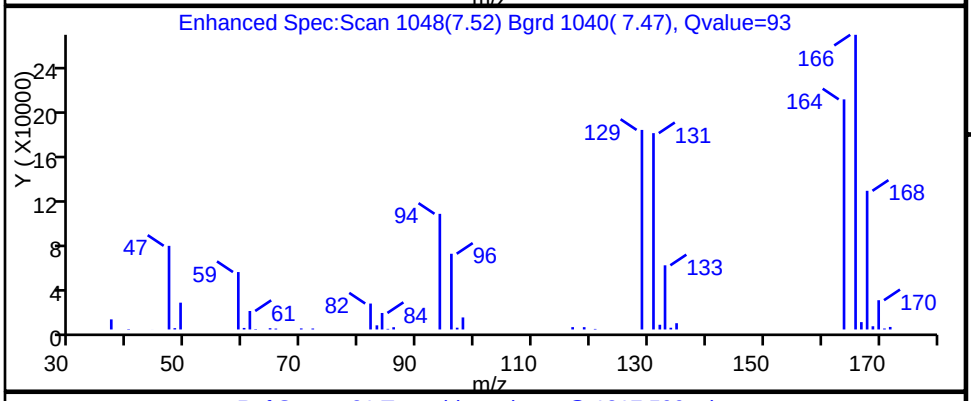
TestAmerica Buffalo

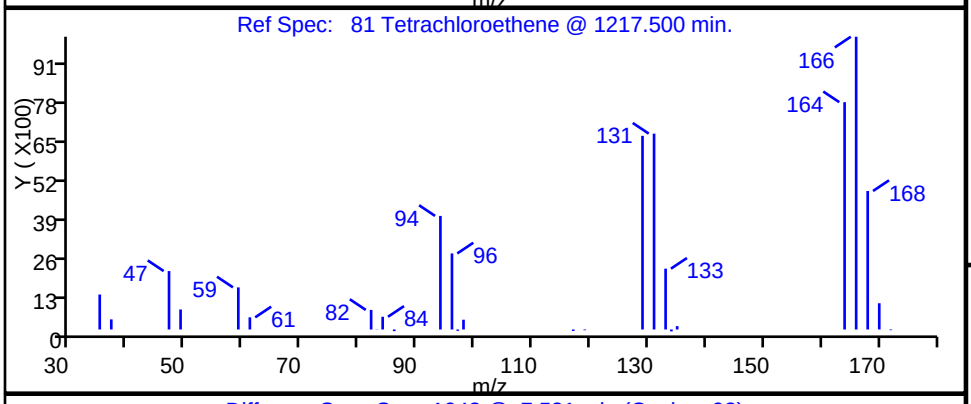
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6487.D

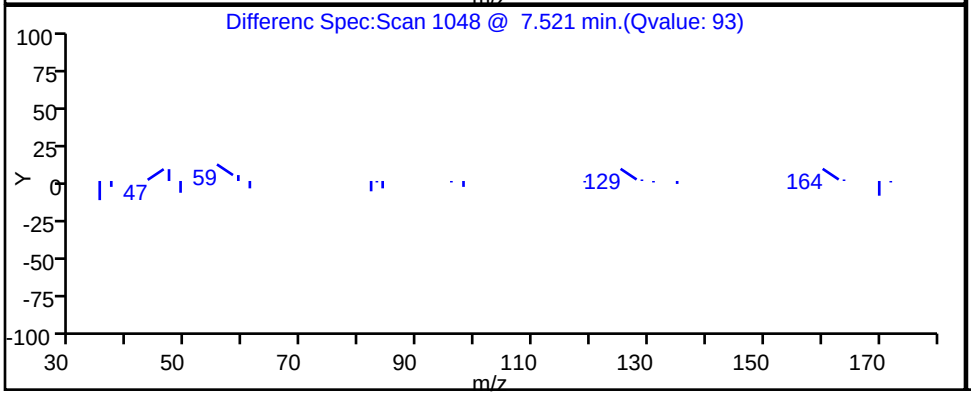
Injection Date:	22-Dec-2015 23:56:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-24-B	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	8	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

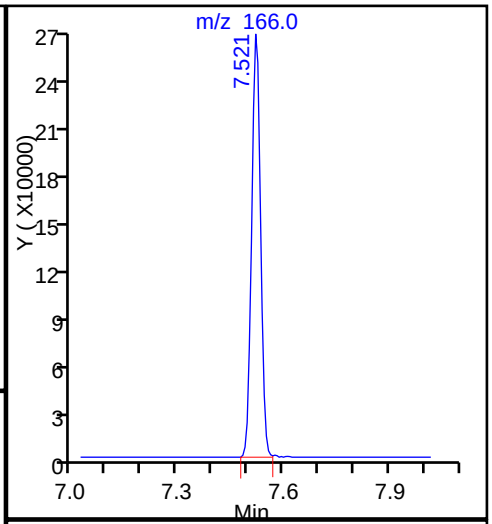
81 Tetrachloroethene, CAS: 127-18-4

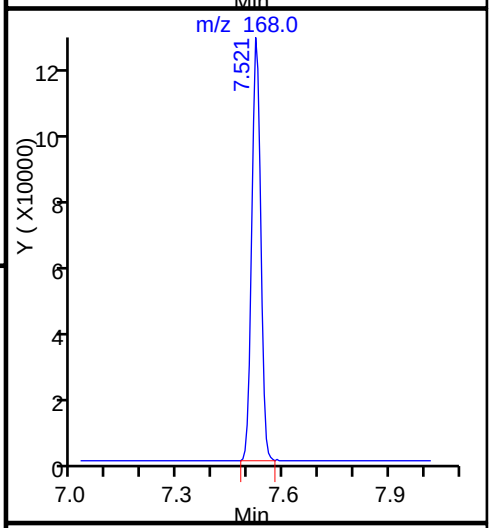


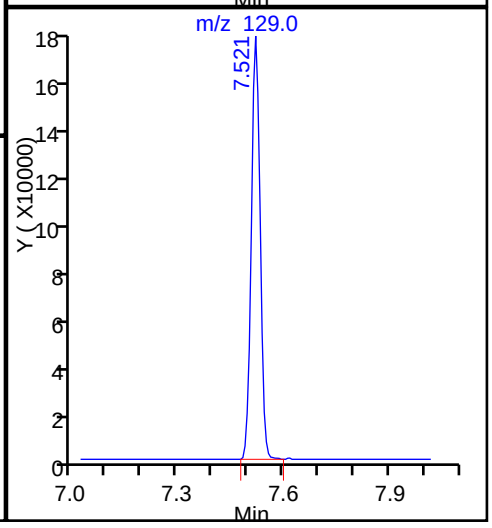








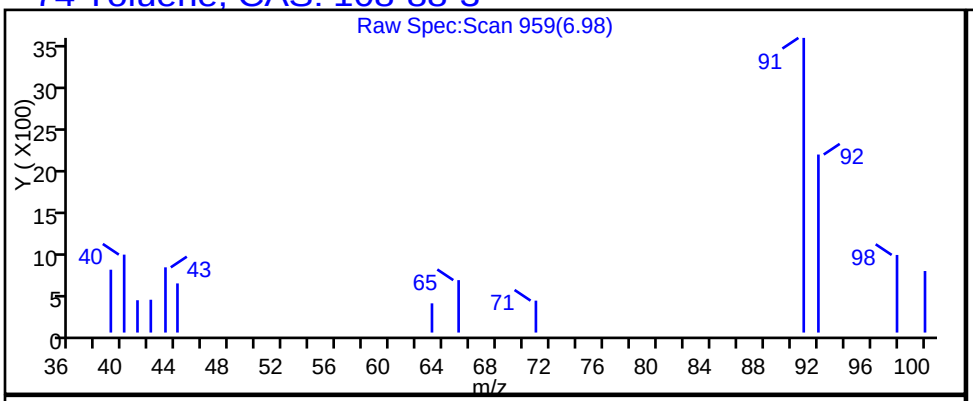


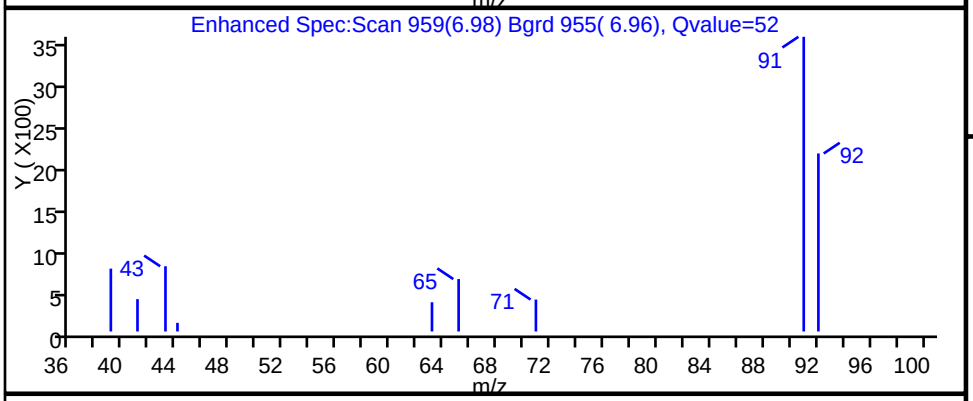


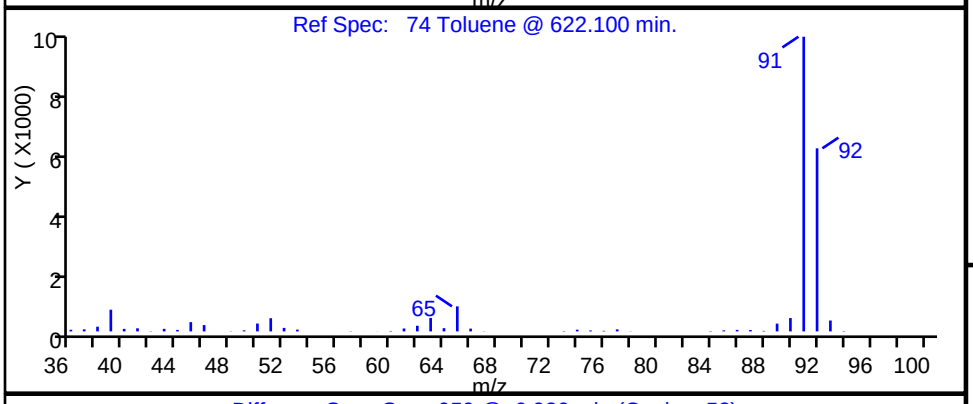
TestAmerica Buffalo

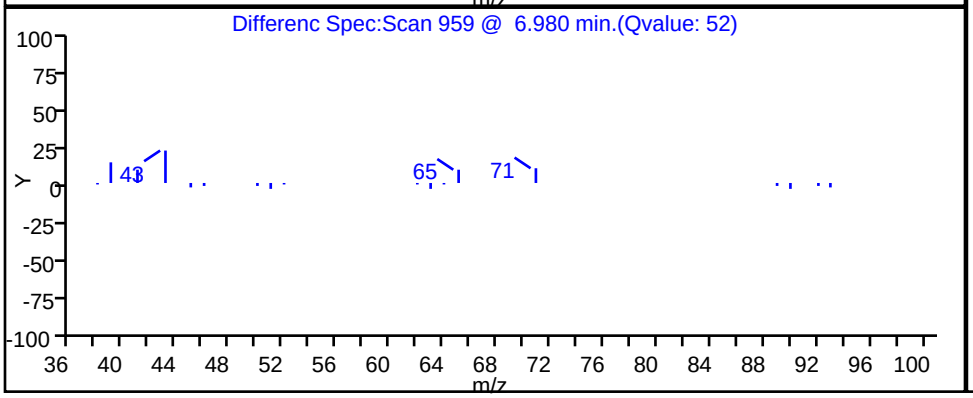
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6487.D				
Injection Date:	22-Dec-2015 23:56:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-24-B	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	8	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

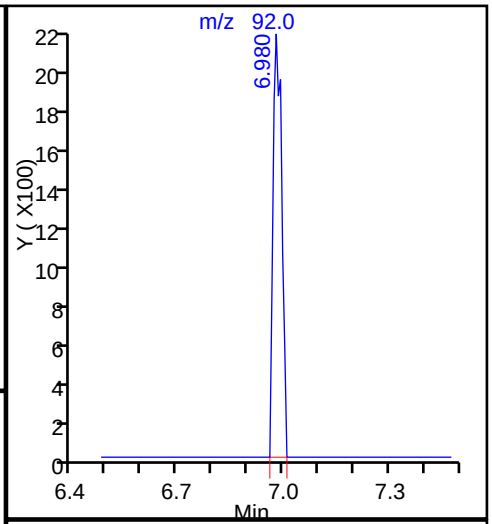
74 Toluene, CAS: 108-88-3

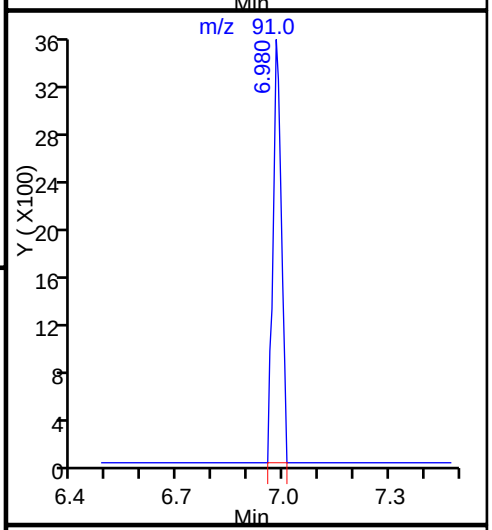


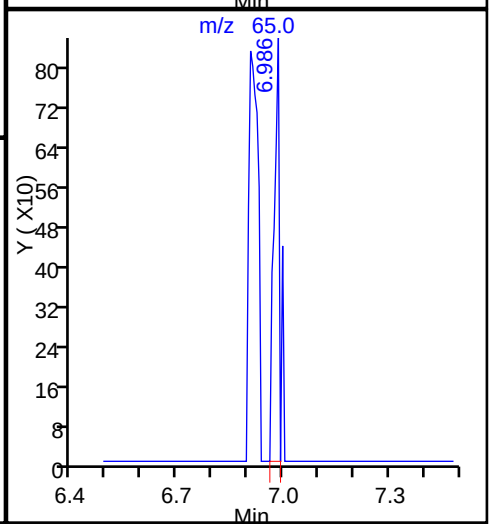












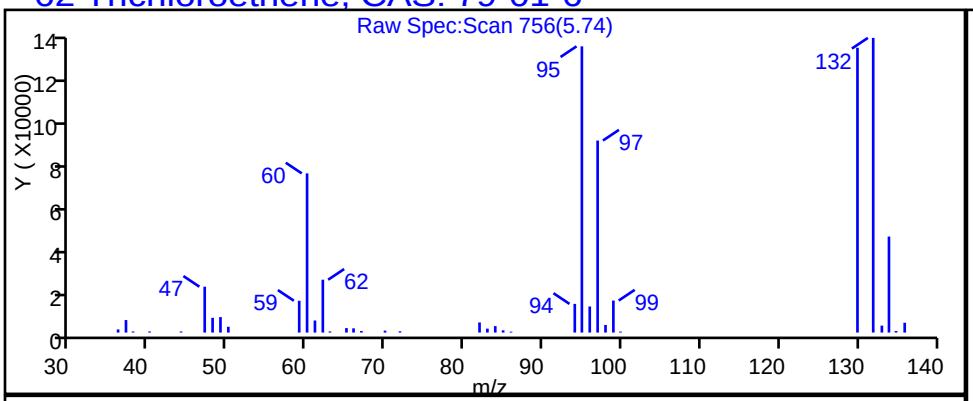
Report Date: 23-Dec-2015 10:22:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

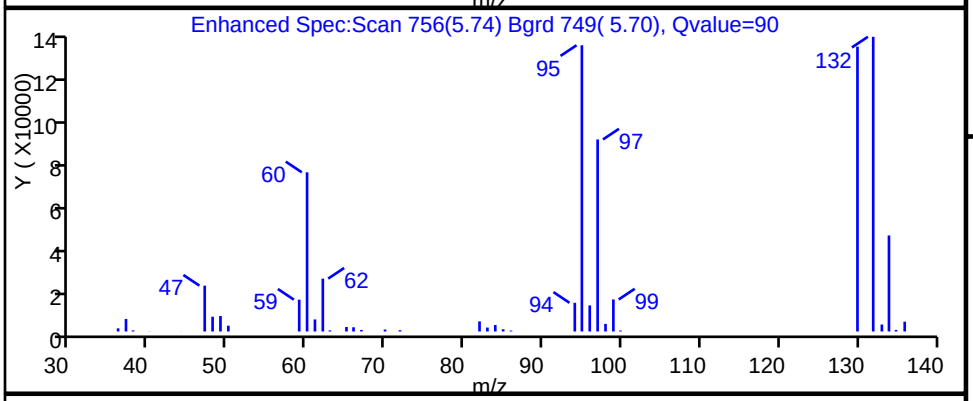
TestAmerica Buffalo

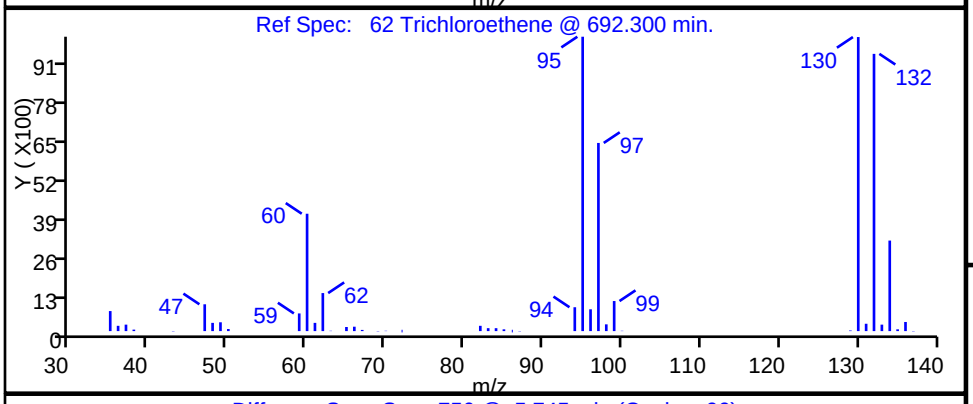
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6487.D

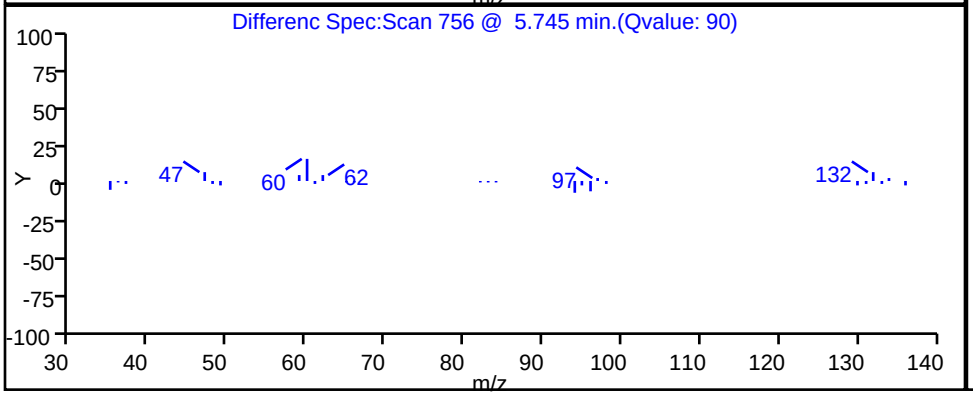
Injection Date:	22-Dec-2015 23:56:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-24-B	Lab Sample ID:	480-92332-24		
Client ID:	B29-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	8	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

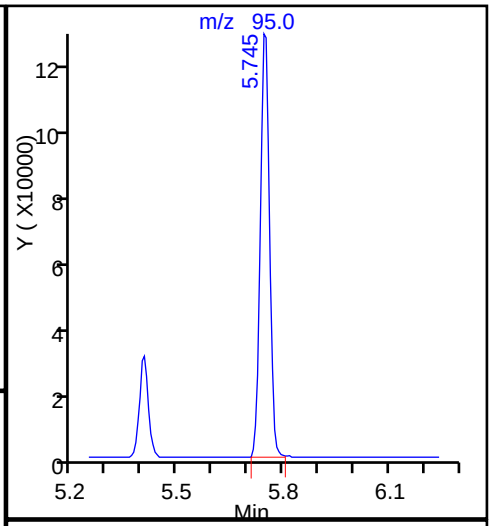
62 Trichloroethene, CAS: 79-01-6

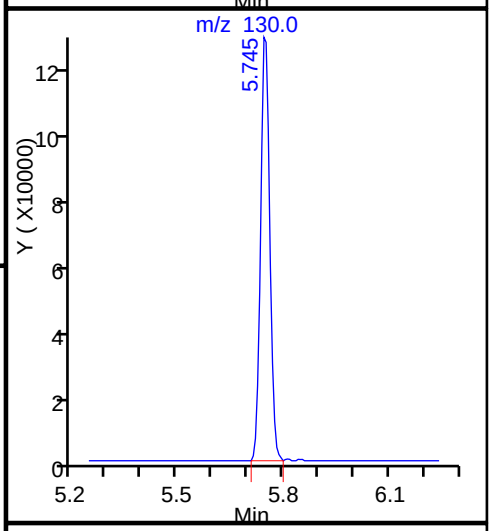


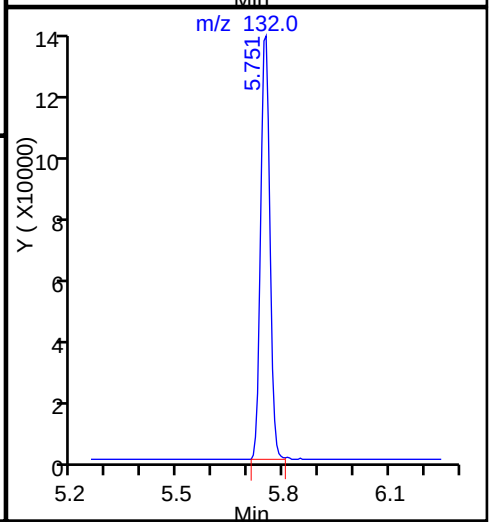












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S2 | Lab Sample ID: 480-92332-25

Matrix: Solid | Lab File ID: P2412.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:30

Sample wt/vol: 5.2(g) | Date Analyzed: 12/16/2015 16:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.2 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.9	0.95
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.9	0.76
75-34-3	1,1-Dichloroethane	ND		5.9	0.72
75-35-4	1,1-Dichloroethene	ND		5.9	0.72
120-82-1	1,2,4-Trichlorobenzene	ND		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.9	2.9
106-93-4	1,2-Dibromoethane	ND		5.9	0.75
95-50-1	1,2-Dichlorobenzene	ND		5.9	0.46
107-06-2	1,2-Dichloroethane	ND		5.9	0.30
78-87-5	1,2-Dichloropropane	ND		5.9	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.9	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.9	0.82
78-93-3	2-Butanone (MEK)	ND		29	2.2
591-78-6	2-Hexanone	ND		29	2.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	11	J B	29	4.9
71-43-2	Benzene	ND		5.9	0.29
75-27-4	Bromodichloromethane	ND		5.9	0.79
75-25-2	Bromoform	ND		5.9	2.9
74-83-9	Bromomethane	ND		5.9	0.53
75-15-0	Carbon disulfide	ND		5.9	2.9
56-23-5	Carbon tetrachloride	ND		5.9	0.57
108-90-7	Chlorobenzene	ND		5.9	0.78
75-00-3	Chloroethane	ND		5.9	1.3
67-66-3	Chloroform	ND		5.9	0.36
74-87-3	Chloromethane	ND		5.9	0.36
156-59-2	cis-1,2-Dichloroethene	ND		5.9	0.75
10061-01-5	cis-1,3-Dichloropropene	ND		5.9	0.85
110-82-7	Cyclohexane	ND		5.9	0.82
124-48-1	Dibromochloromethane	ND		5.9	0.75
75-71-8	Dichlorodifluoromethane	ND		5.9	0.49
100-41-4	Ethylbenzene	ND		5.9	0.41
98-82-8	Isopropylbenzene	ND		5.9	0.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S2 | Lab Sample ID: 480-92332-25

Matrix: Solid | Lab File ID: P2412.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:30

Sample wt/vol: 5.2(g) | Date Analyzed: 12/16/2015 16:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.2 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.9	3.6
1634-04-4	Methyl tert-butyl ether	ND		5.9	0.58
108-87-2	Methylcyclohexane	ND		5.9	0.89
75-09-2	Methylene Chloride	ND		5.9	2.7
100-42-5	Styrene	ND		5.9	0.29
127-18-4	Tetrachloroethene	ND		5.9	0.79
108-88-3	Toluene	ND		5.9	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.9	0.61
10061-02-6	trans-1,3-Dichloropropene	ND		5.9	2.6
79-01-6	Trichloroethene	2.6	J	5.9	1.3
75-69-4	Trichlorofluoromethane	ND		5.9	0.56
75-01-4	Vinyl chloride	ND		5.9	0.72
1330-20-7	Xylenes, Total	ND		12	0.99

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2412.D
Lims ID: 480-92332-A-25-A Lab Sample ID: 480-92332-25
Client ID: B29-AREA2-S2
Sample Type: Client
Inject. Date: 16-Dec-2015 16:02:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-25-A
Misc. Info.: 480-0049276-015
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 19:13:11 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 19:13:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.894	0.007	98	318450	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.837	0.006	90	634757	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	608304	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.536	9.523	0.013	0	265676	54.0	
$ 5 Toluene-d8 (Surr)	98	11.878	11.872	0.006	93	1390300	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	455611	47.1	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.396	6.390	0.006	97	34569	9.47	
30 Methyl acetate	43		6.761				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.820	0.012	93	11097	0.5570	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96		8.520				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.357	10.345	0.012	92	21419	2.25	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	97	5020	0.2227	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	92	4705	0.5436	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

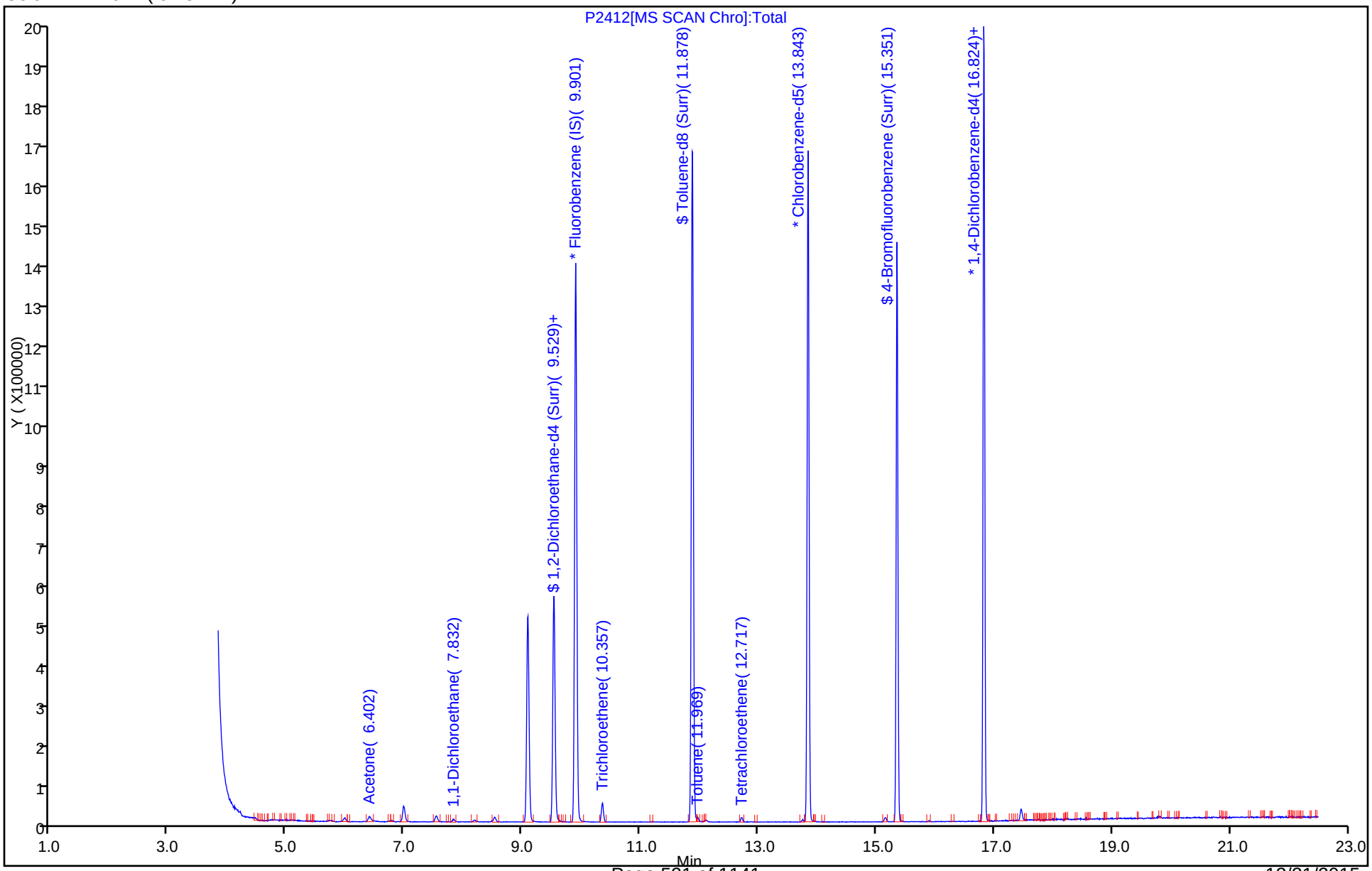
Report Date: 16-Dec-2015 19:13:52 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2412.D

Injection Date:	16-Dec-2015 16:02:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-25-A	Lab Sample ID:	480-92332-25	Worklist Smp#:	15
Client ID:	B29-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

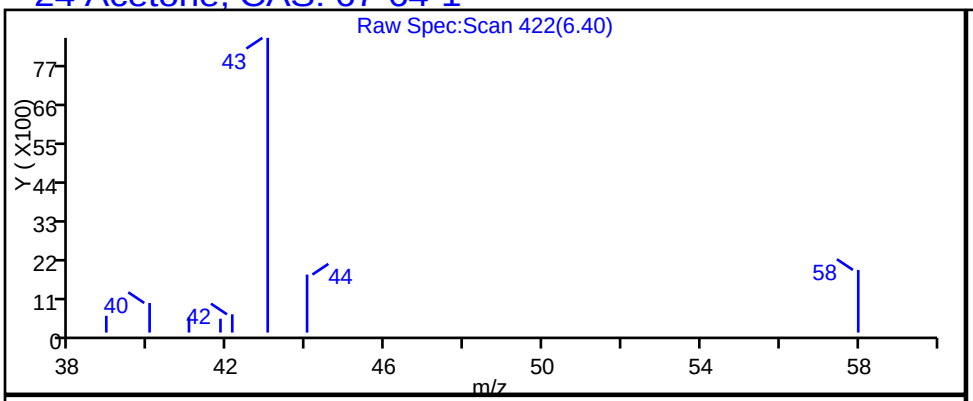
Column: ZB-624 (0.25 mm)

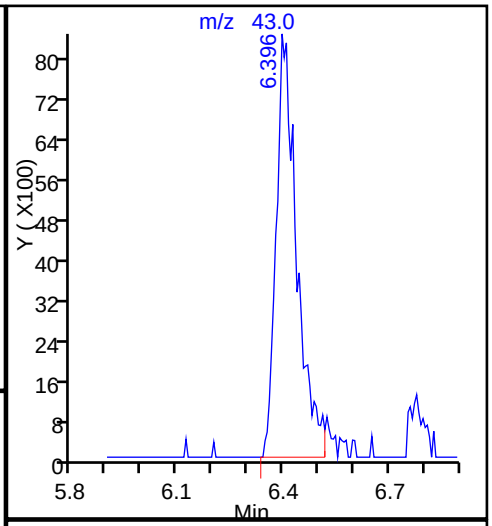


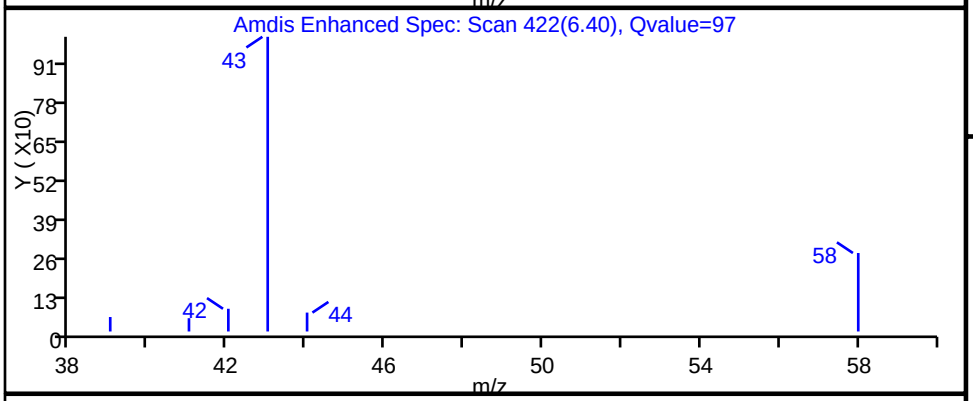
TestAmerica Buffalo

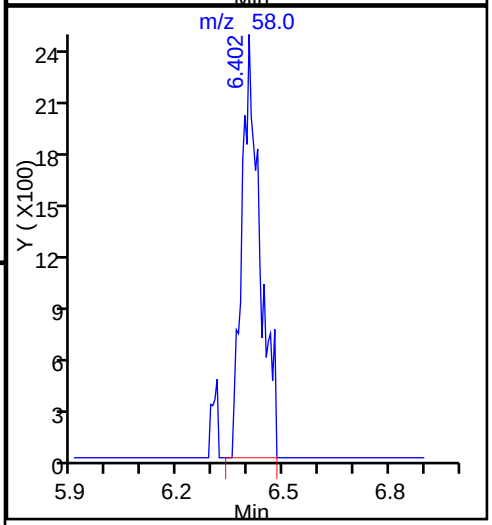
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2412.D				
Injection Date:	16-Dec-2015 16:02:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-25-A	Lab Sample ID:	480-92332-25		
Client ID:	B29-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

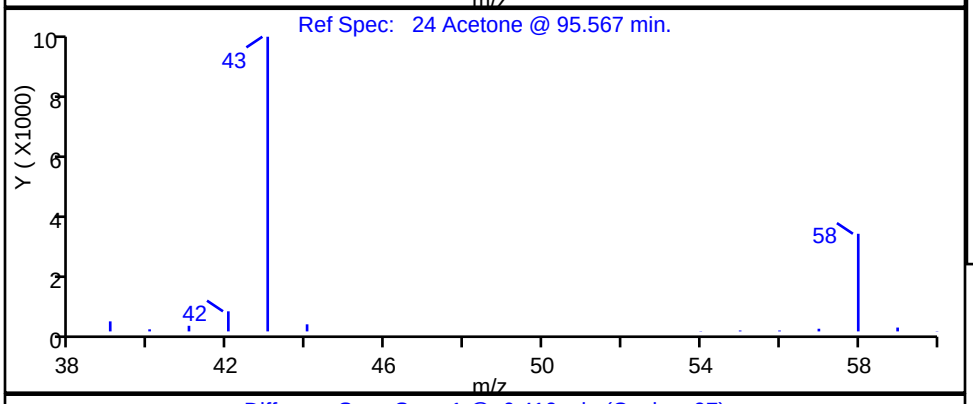
24 Acetone, CAS: 67-64-1

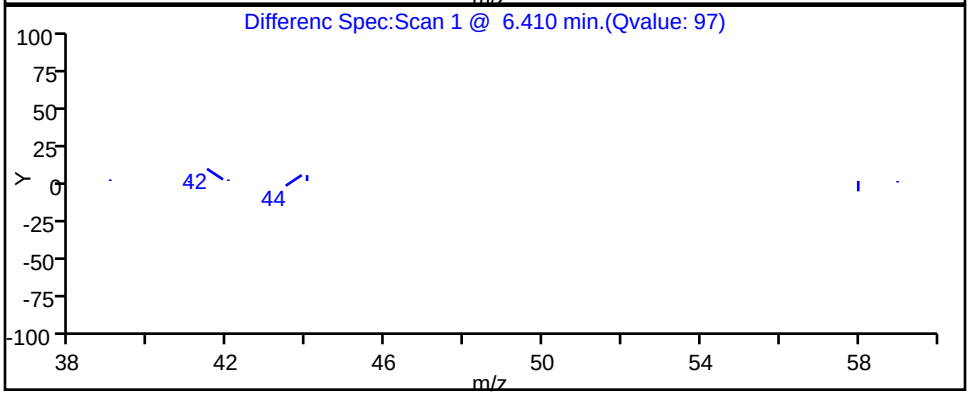












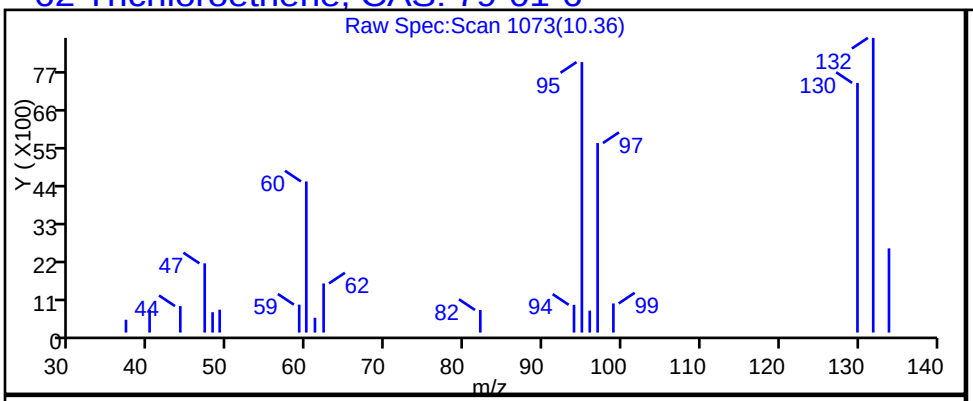
Report Date: 16-Dec-2015 19:13:52 Chrom Revision: 2.2 02-Dec-2015 11:51:48

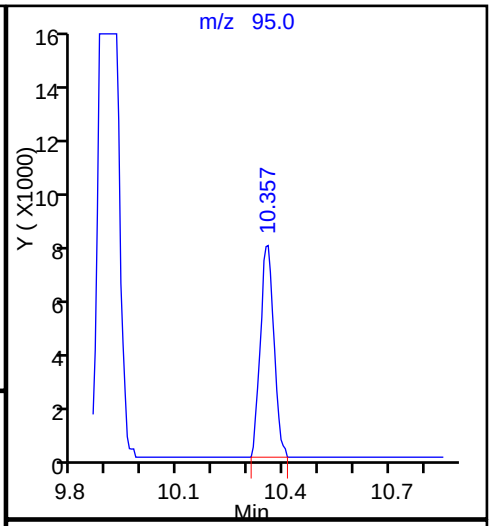
TestAmerica Buffalo

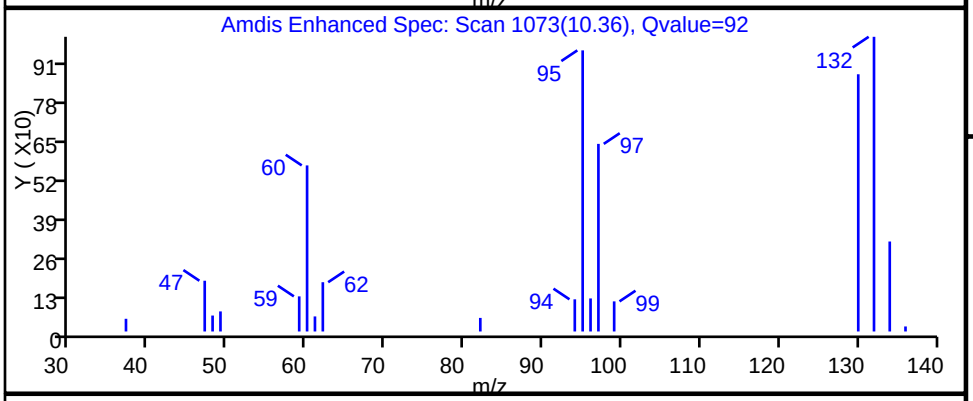
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2412.D

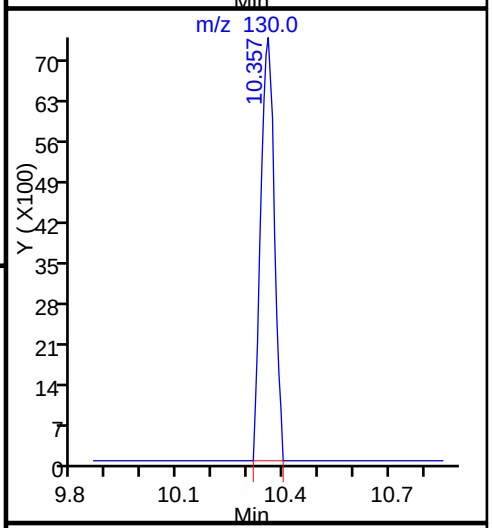
Injection Date:	16-Dec-2015 16:02:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-25-A	Lab Sample ID:	480-92332-25		
Client ID:	B29-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

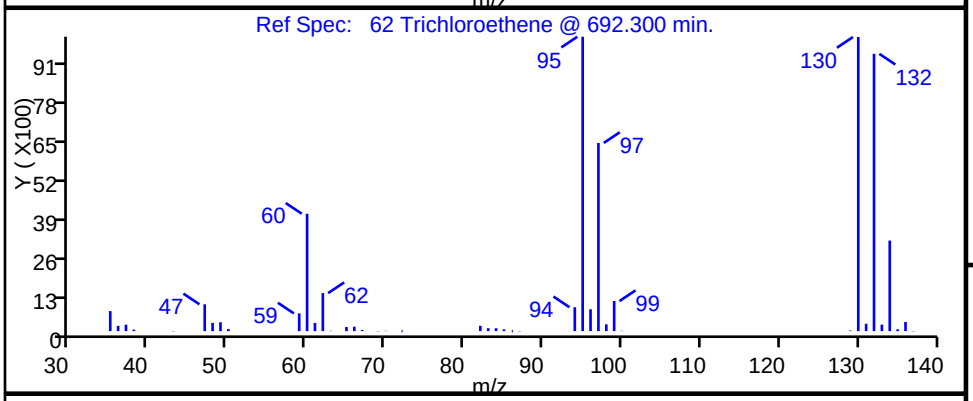
62 Trichloroethene, CAS: 79-01-6

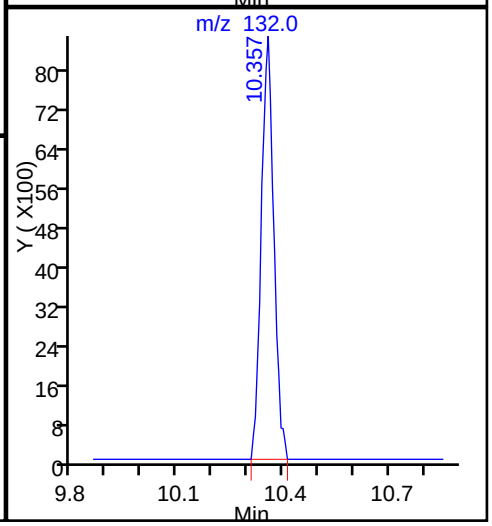


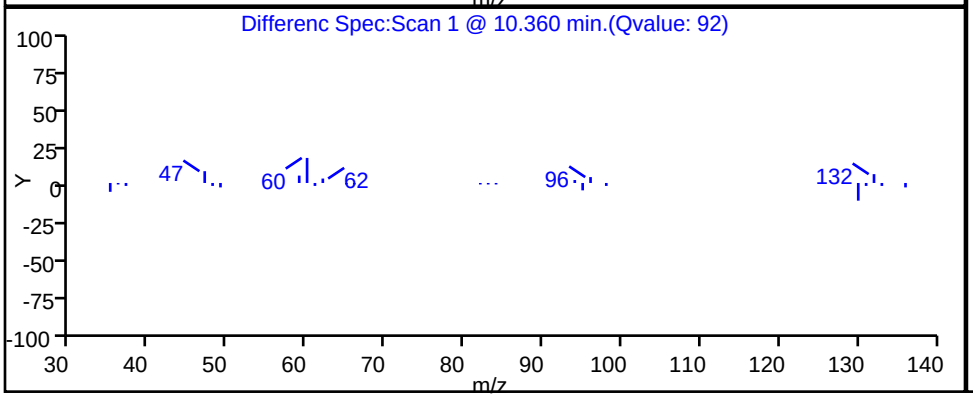












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B30-AREA2-S1 | Lab Sample ID: 480-92332-26

Matrix: Solid | Lab File ID: P2435.D

Analysis Method: 8260C | Date Collected: 12/08/2015 15:40

Sample wt/vol: 5.13(g) | Date Analyzed: 12/17/2015 03:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.41
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.6
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.6
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
98-82-8	Isopropylbenzene	ND	*	5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B30-AREA2-S1 | Lab Sample ID: 480-92332-26

Matrix: Solid | Lab File ID: P2435.D

Analysis Method: 8260C | Date Collected: 12/08/2015 15:40

Sample wt/vol: 5.13(g) | Date Analyzed: 12/17/2015 03:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	ND		5.3	2.4
100-42-5	Styrene	ND		5.3	0.26
127-18-4	Tetrachloroethene	9.7		5.3	0.71
108-88-3	Toluene	1.4	J	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	2.8	J	5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	49	X	72-126
2037-26-5	Toluene-d8 (Surr)	127	X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2435.D
Lims ID: 480-92332-A-26-B Lab Sample ID: 480-92332-26
Client ID: B30-AREA2-S1
Sample Type: Client
Inject. Date: 17-Dec-2015 03:28:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-26-B
Misc. Info.: 480-0049318-016
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 08:44:00 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 08:48:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	287840	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	369431	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	126151	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	241921	54.4	
$ 5 Toluene-d8 (Surr)	98	11.884	11.877	0.007	94	1024612	63.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	137233	24.4	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.408	6.396	0.012	98	12157	3.69	
30 Methyl acetate	43		6.767				ND	
31 Methylene Chloride	84	6.986	6.986	0.000	93	32663	1.48	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.520				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.351	10.351	0.000	91	22741	2.65	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	97	17708	1.35	
78 trans-1,3-Dichloropropene	75		12.231				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	92	46121	9.16	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	13.946	13.946	0.000	92	5052	0.2222	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	95	2886	0.2995	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.504				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1				0		0.2995	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

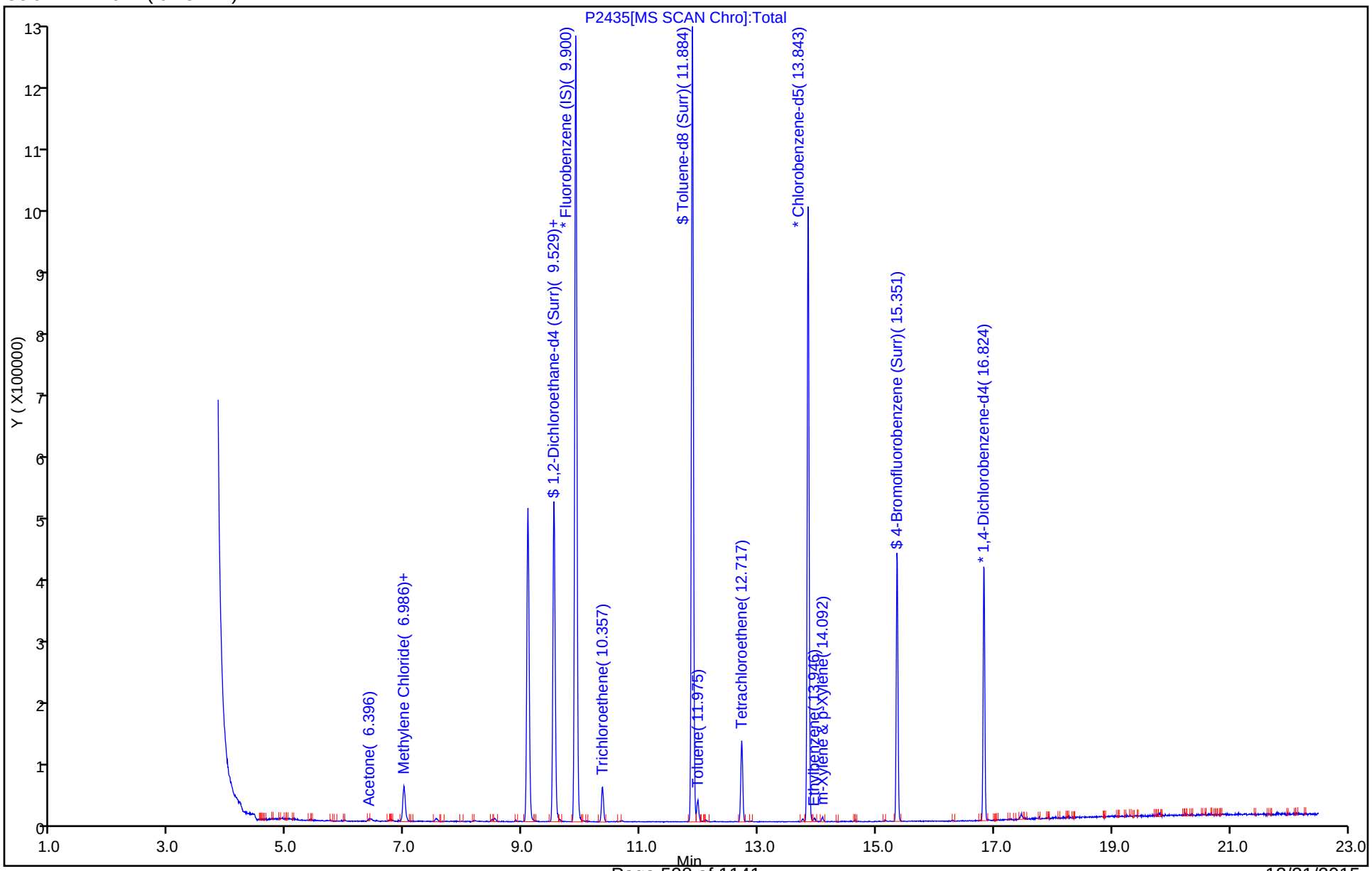
Report Date: 17-Dec-2015 08:48:53 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2435.D

Injection Date:	17-Dec-2015 03:28:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-26-B	Lab Sample ID:	480-92332-26	Worklist Smp#:	16
Client ID:	B30-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

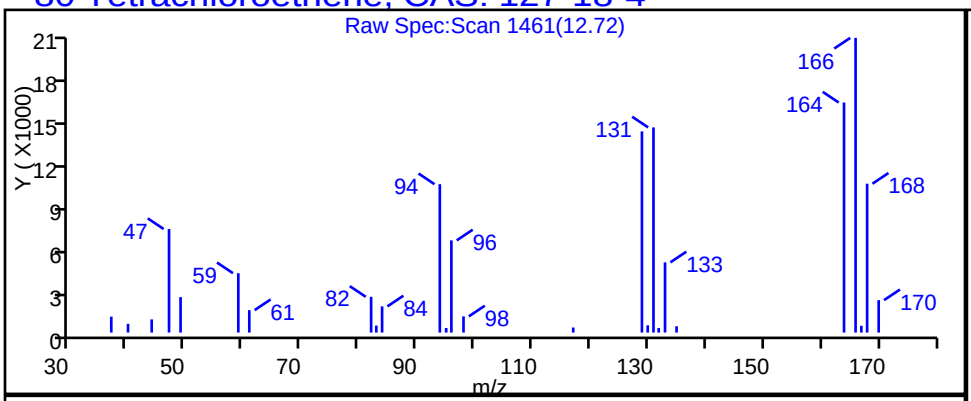


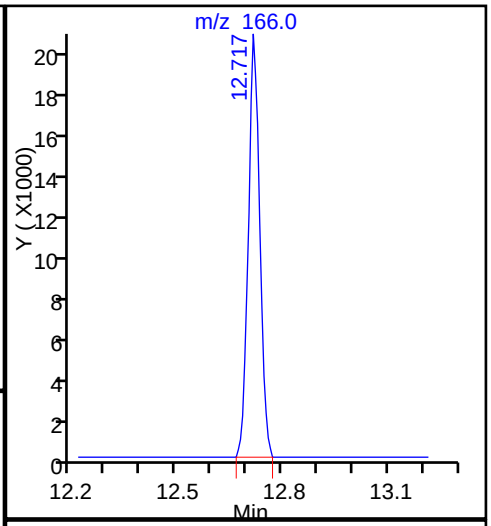
TestAmerica Buffalo

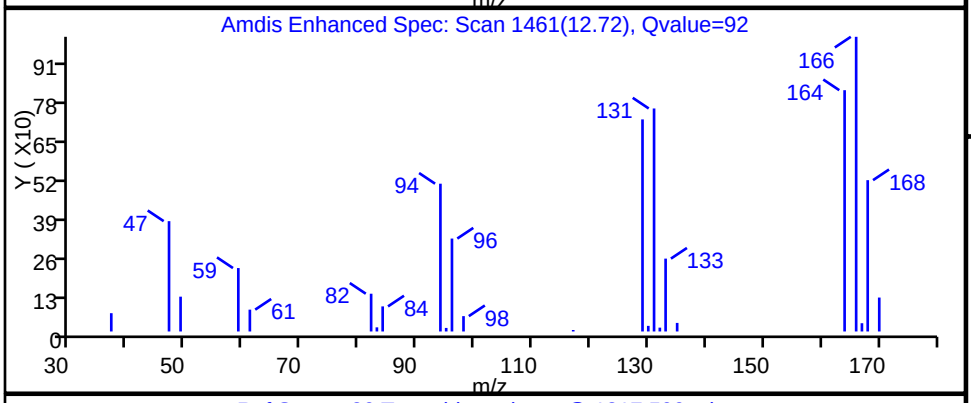
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2435.D

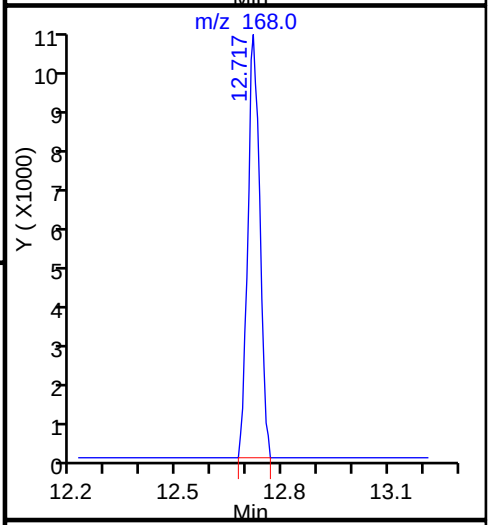
Injection Date:	17-Dec-2015 03:28:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-26-B	Lab Sample ID:	480-92332-26
Client ID:	B30-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

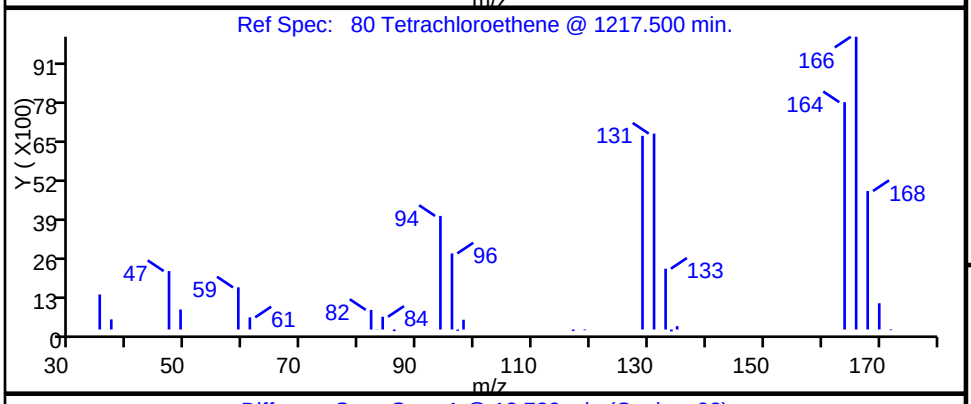
80 Tetrachloroethene, CAS: 127-18-4

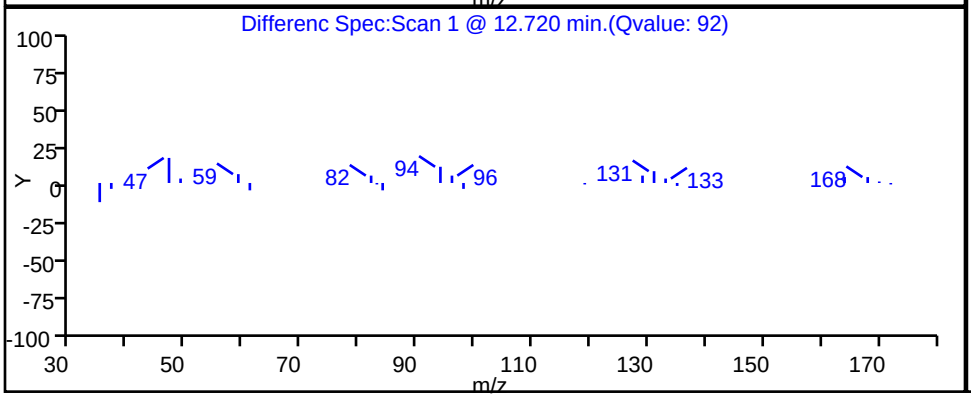


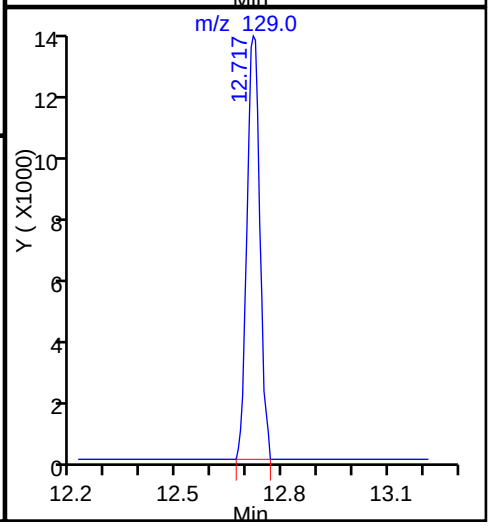








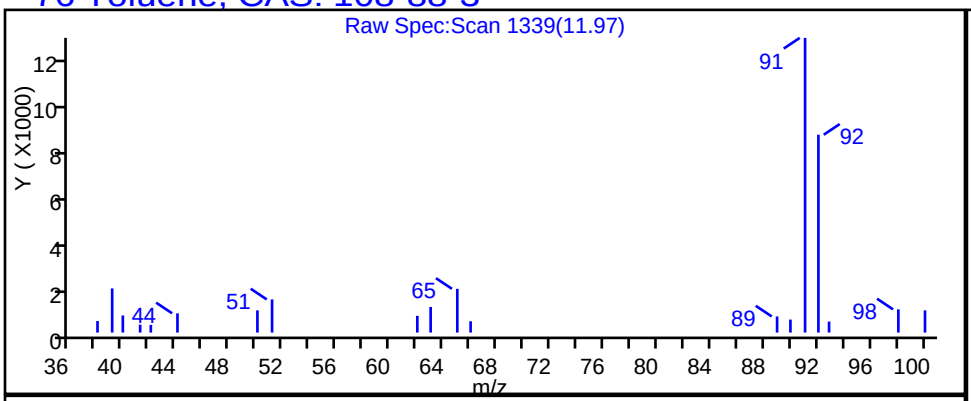


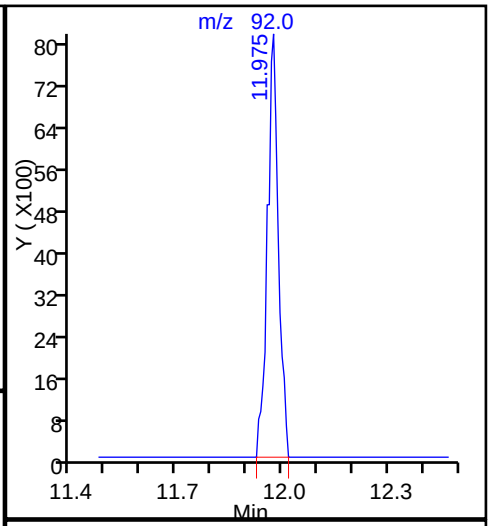


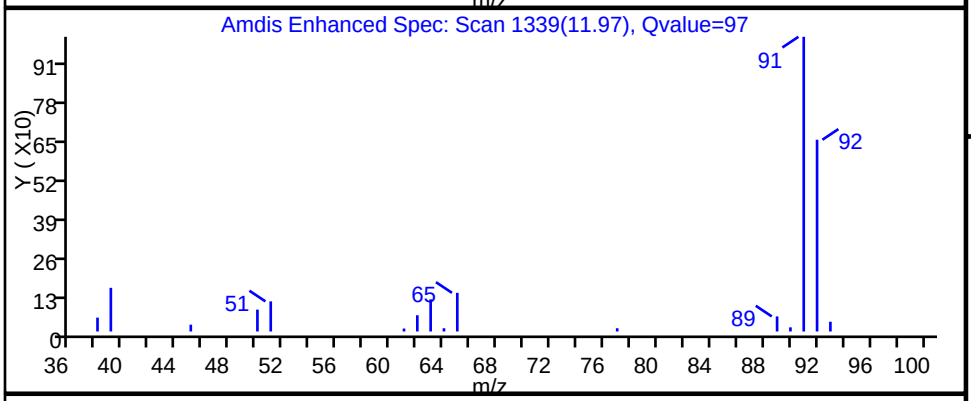
TestAmerica Buffalo

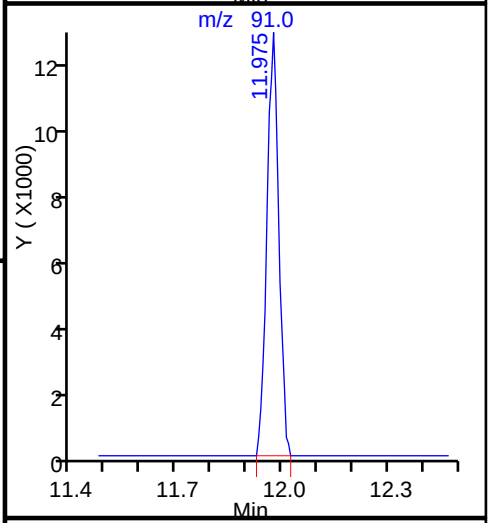
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2435.D				
Injection Date:	17-Dec-2015 03:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-26-B	Lab Sample ID:	480-92332-26		
Client ID:	B30-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

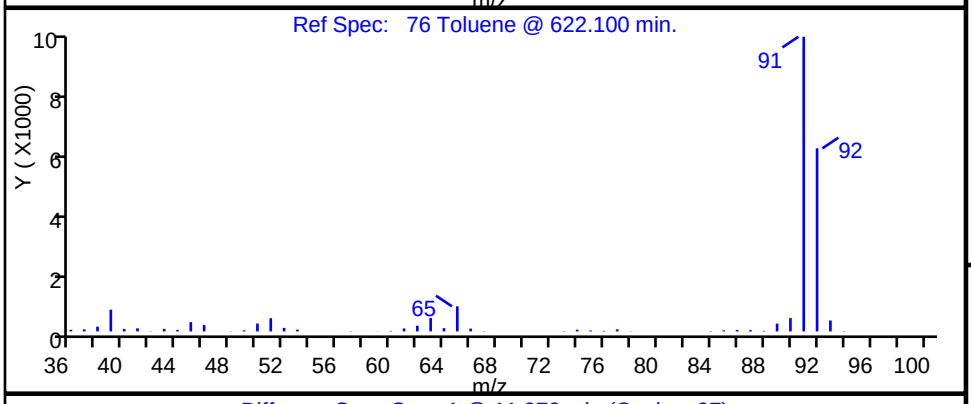
76 Toluene, CAS: 108-88-3

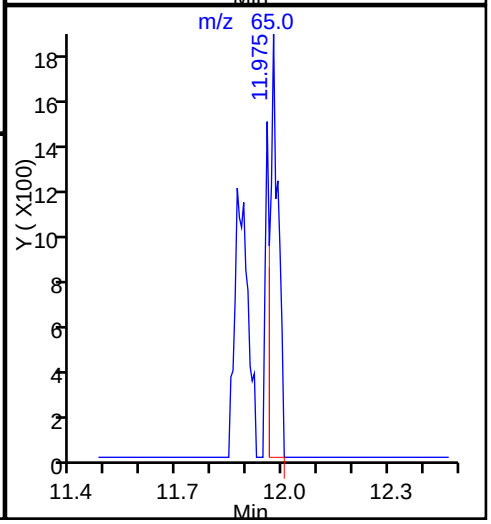


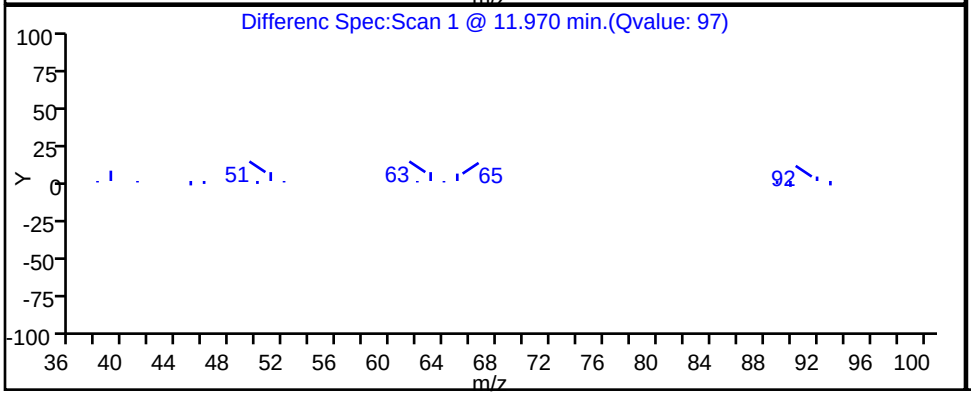








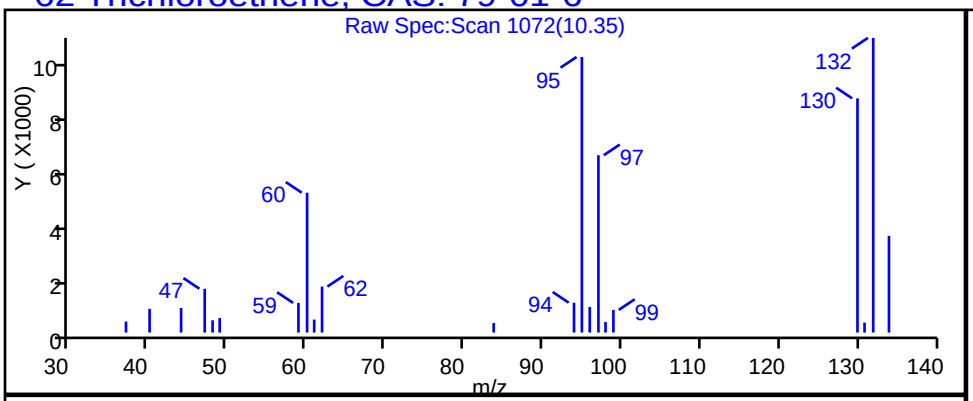


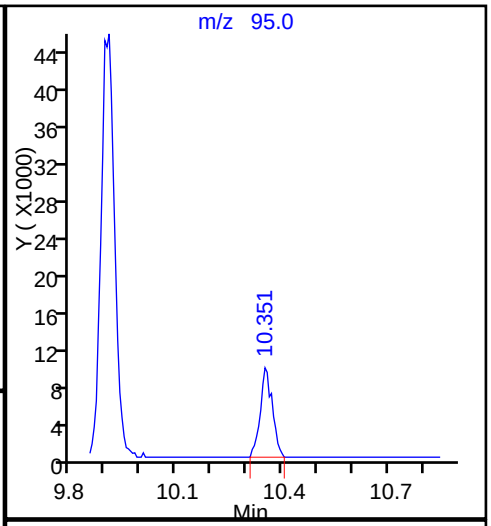


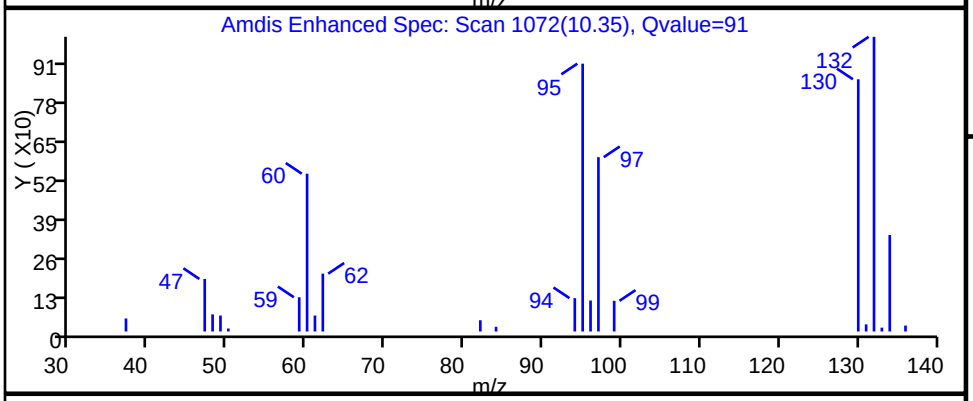
TestAmerica Buffalo

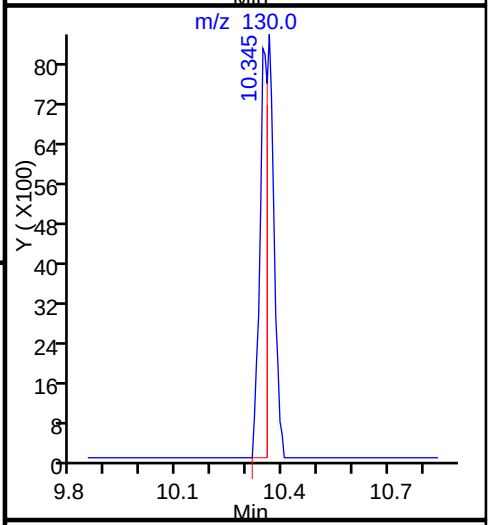
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2435.D				
Injection Date:	17-Dec-2015 03:28:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-26-B	Lab Sample ID:	480-92332-26		
Client ID:	B30-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

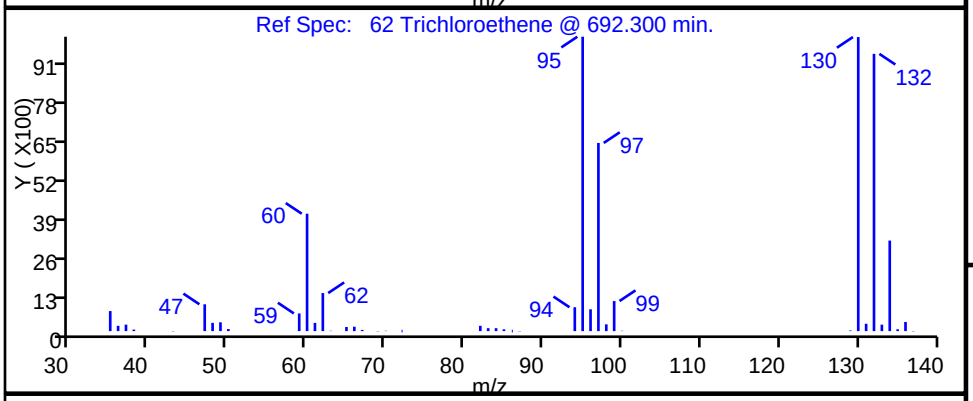
62 Trichloroethene, CAS: 79-01-6

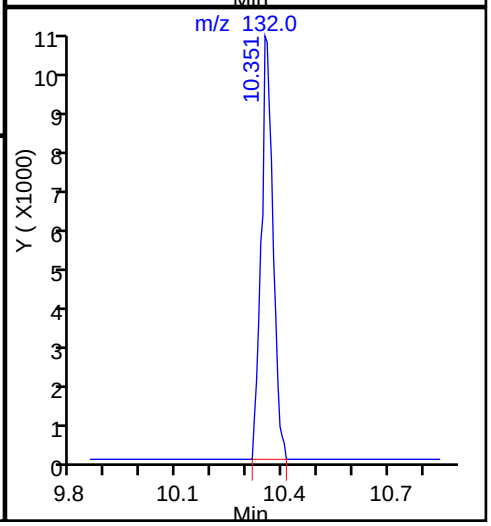


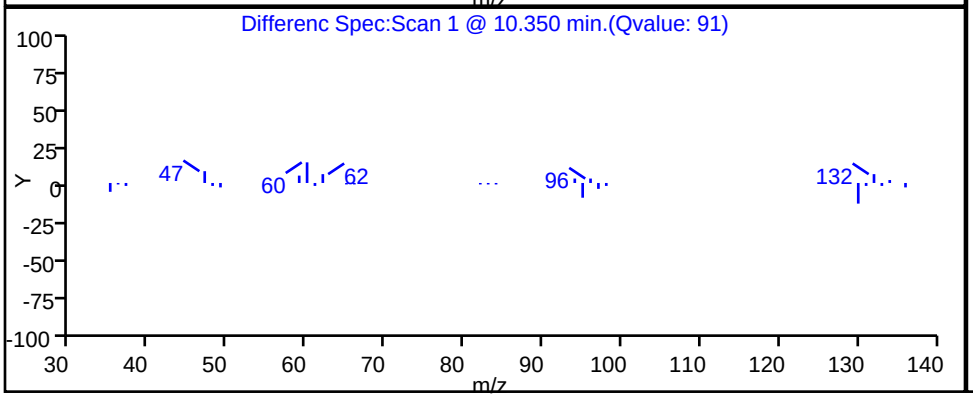












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B30-AREA2-S2 | Lab Sample ID: 480-92332-27

Matrix: Solid | Lab File ID: P2436.D

Analysis Method: 8260C | Date Collected: 12/08/2015 16:00

Sample wt/vol: 5.27(g) | Date Analyzed: 12/17/2015 03:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.1	0.37
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.1	0.83
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.1	0.66
75-34-3	1,1-Dichloroethane	ND		5.1	0.62
75-35-4	1,1-Dichloroethene	ND		5.1	0.63
120-82-1	1,2,4-Trichlorobenzene	ND		5.1	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.1	2.6
106-93-4	1,2-Dibromoethane	ND		5.1	0.66
95-50-1	1,2-Dichlorobenzene	ND		5.1	0.40
107-06-2	1,2-Dichloroethane	ND		5.1	0.26
78-87-5	1,2-Dichloropropane	ND		5.1	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.1	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.1	0.71
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.3
71-43-2	Benzene	ND		5.1	0.25
75-27-4	Bromodichloromethane	ND		5.1	0.68
75-25-2	Bromoform	ND		5.1	2.6
74-83-9	Bromomethane	ND		5.1	0.46
75-15-0	Carbon disulfide	ND		5.1	2.6
56-23-5	Carbon tetrachloride	ND		5.1	0.49
108-90-7	Chlorobenzene	ND		5.1	0.67
75-00-3	Chloroethane	ND		5.1	1.2
67-66-3	Chloroform	ND		5.1	0.32
74-87-3	Chloromethane	ND		5.1	0.31
156-59-2	cis-1,2-Dichloroethene	ND		5.1	0.65
10061-01-5	cis-1,3-Dichloropropene	ND		5.1	0.74
110-82-7	Cyclohexane	ND		5.1	0.71
124-48-1	Dibromochloromethane	ND		5.1	0.65
75-71-8	Dichlorodifluoromethane	ND		5.1	0.42
100-41-4	Ethylbenzene	ND		5.1	0.35
98-82-8	Isopropylbenzene	ND		5.1	0.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B30-AREA2-S2 | Lab Sample ID: 480-92332-27

Matrix: Solid | Lab File ID: P2436.D

Analysis Method: 8260C | Date Collected: 12/08/2015 16:00

Sample wt/vol: 5.27(g) | Date Analyzed: 12/17/2015 03:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.1	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.1	0.50
108-87-2	Methylcyclohexane	ND		5.1	0.78
75-09-2	Methylene Chloride	ND		5.1	2.3
100-42-5	Styrene	ND		5.1	0.26
127-18-4	Tetrachloroethene	ND		5.1	0.69
108-88-3	Toluene	ND		5.1	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.1	0.53
10061-02-6	trans-1,3-Dichloropropene	ND		5.1	2.2
79-01-6	Trichloroethene	ND		5.1	1.1
75-69-4	Trichlorofluoromethane	ND		5.1	0.48
75-01-4	Vinyl chloride	ND		5.1	0.62
1330-20-7	Xylenes, Total	ND		10	0.86

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2436.D
Lims ID: 480-92332-A-27-B Lab Sample ID: 480-92332-27
Client ID: B30-AREA2-S2
Sample Type: Client
Inject. Date: 17-Dec-2015 03:56:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-27-B
Misc. Info.: 480-0049318-017
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 08:44:00 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 08:49:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	330176	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	662448	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	97	595252	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	278709	54.6	
$ 5 Toluene-d8 (Surr)	98	11.884	11.877	0.007	93	1467266	50.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	473836	46.9	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.414	6.396	0.018	86	8162	2.16	
30 Methyl acetate	43		6.767				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.520				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95		10.351				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	97	6349	0.2699	
78 trans-1,3-Dichloropropene	75		12.231				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.504				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

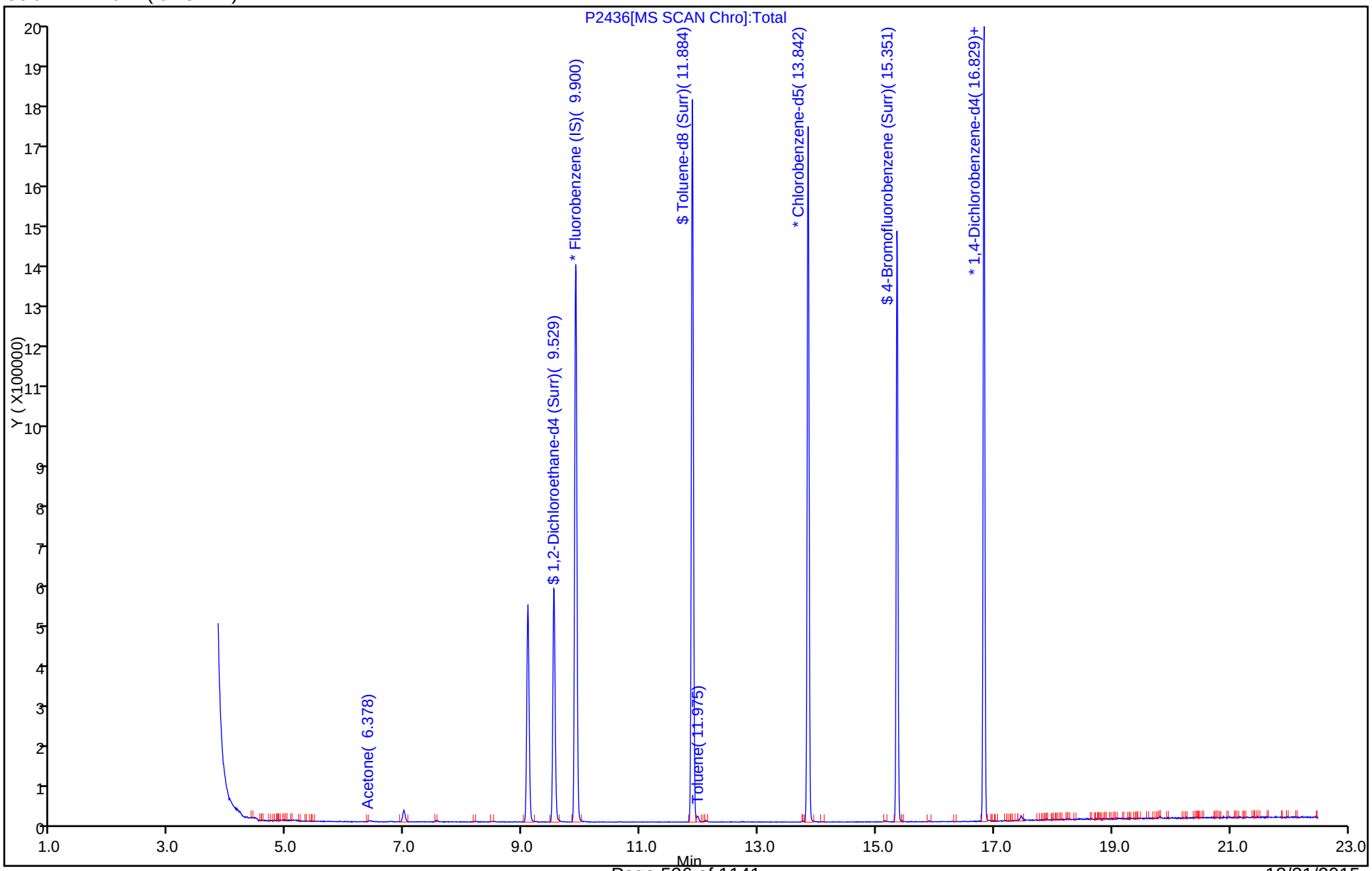
Report Date: 17-Dec-2015 08:49:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2436.D

Injection Date:	17-Dec-2015 03:56:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-27-B	Lab Sample ID:	480-92332-27	Worklist Smp#:	17
Client ID:	B30-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B31-AREA2-S1 | Lab Sample ID: 480-92332-28

Matrix: Solid | Lab File ID: P2415.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:15

Sample wt/vol: 5(g) | Date Analyzed: 12/16/2015 17:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.6 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.72
75-34-3	1,1-Dichloroethane	9.7		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.68
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.8
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	ND		28	2.0
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	5.7	J B	28	4.7
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.8
74-83-9	Bromomethane	ND		5.5	0.50
75-15-0	Carbon disulfide	ND		5.5	2.8
56-23-5	Carbon tetrachloride	ND		5.5	0.54
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.3
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	39		5.5	0.71
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.80
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.71
75-71-8	Dichlorodifluoromethane	ND		5.5	0.46
100-41-4	Ethylbenzene	11		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B31-AREA2-S1 | Lab Sample ID: 480-92332-28

Matrix: Solid | Lab File ID: P2415.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:15

Sample wt/vol: 5(g) | Date Analyzed: 12/16/2015 17:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.6 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.28
127-18-4	Tetrachloroethene	990	E	5.5	0.74
108-88-3	Toluene	14	B	5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	55		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	26		11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	81		72-126
2037-26-5	Toluene-d8 (Surr)	98		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D
Lims ID: 480-92332-A-28-A Lab Sample ID: 480-92332-28
Client ID: B31-AREA2-S1
Sample Type: Client
Inject. Date: 16-Dec-2015 17:24:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-28-A
Misc. Info.: 480-0049276-018
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 19:17:15 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 19:19:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	331567	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.837	0.005	90	659138	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	444660	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	267693	52.2	
$ 5 Toluene-d8 (Surr)	98	11.877	11.872	0.005	95	1406026	48.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	408232	40.6	
10 Dichlorodifluoromethane	85		4.030				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.666				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.420	6.390	0.030	97	19530	5.14	
30 Methyl acetate	43		6.761				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	93	4749	0.5087	
40 1,1-Dichloroethane	63	7.838	7.820	0.018	97	182109	8.78	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.520	0.011	84	360248	35.6	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.357	10.345	0.012	94	488693	49.4	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.983				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	97	286607	12.2	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	95	8057954	896.5	E
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	13.946	13.946	0.000	98	385472	9.50	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	376991	21.9	
93 o-Xylene	106	14.639	14.634	0.005	98	23100	1.33	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1				0		23.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

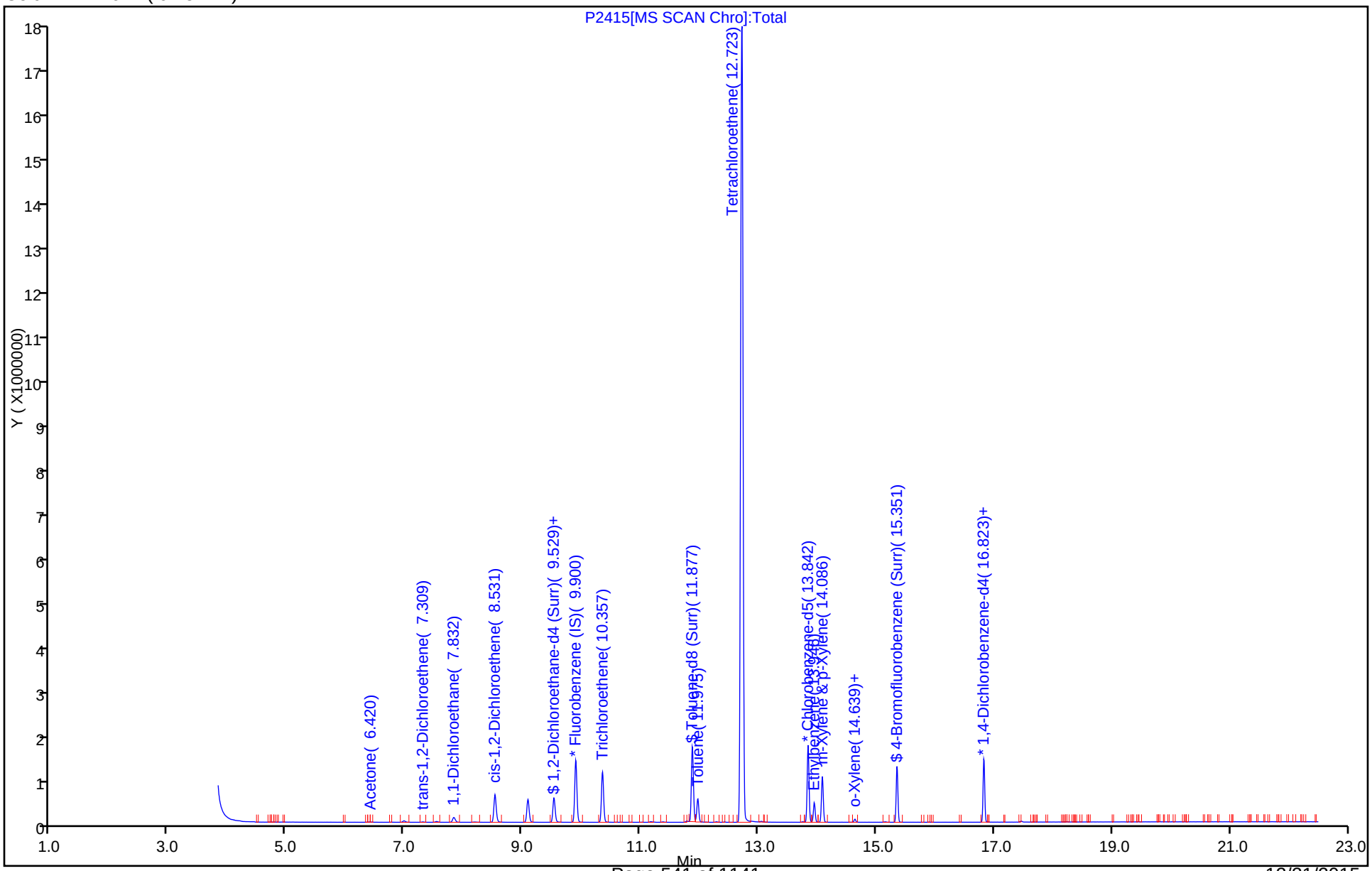
Report Date: 16-Dec-2015 19:19:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28	Worklist Smp#:	18
Client ID:	B31-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



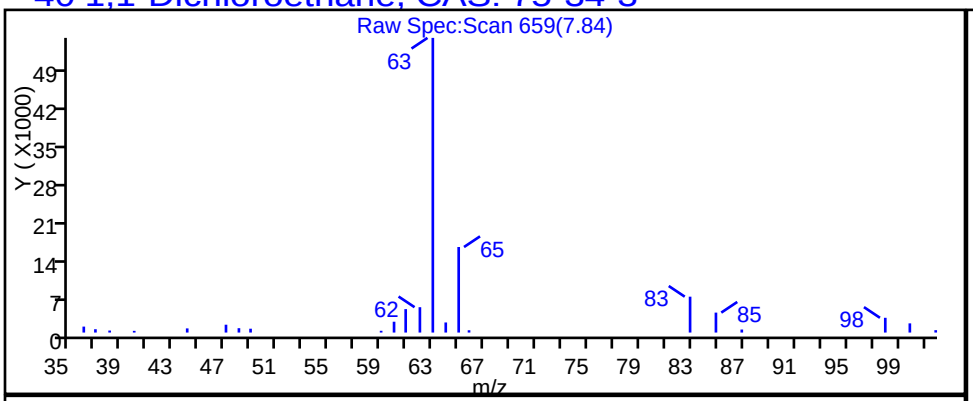
Report Date: 16-Dec-2015 19:19:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

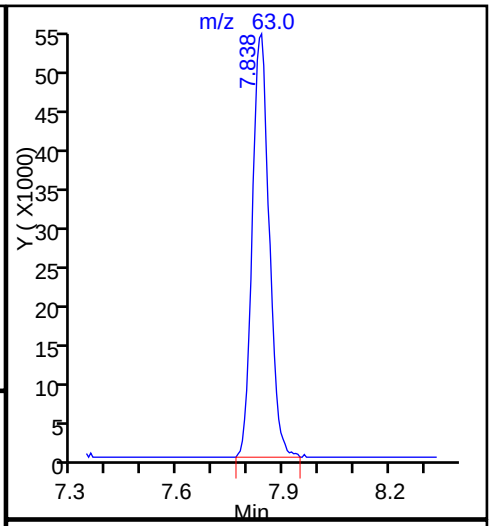
TestAmerica Buffalo

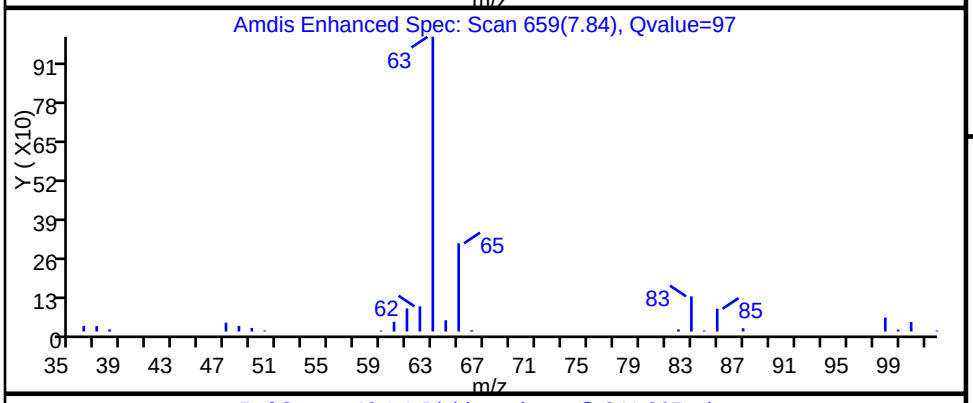
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

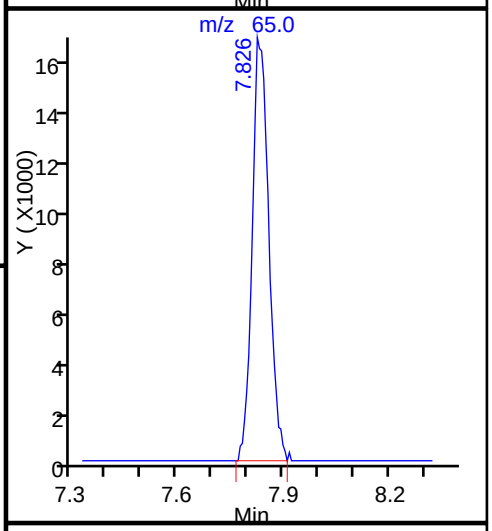
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

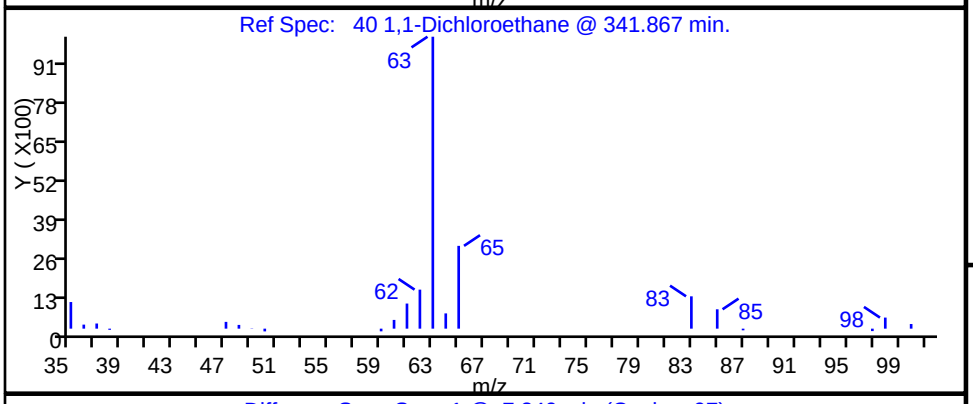
40 1,1-Dichloroethane, CAS: 75-34-3

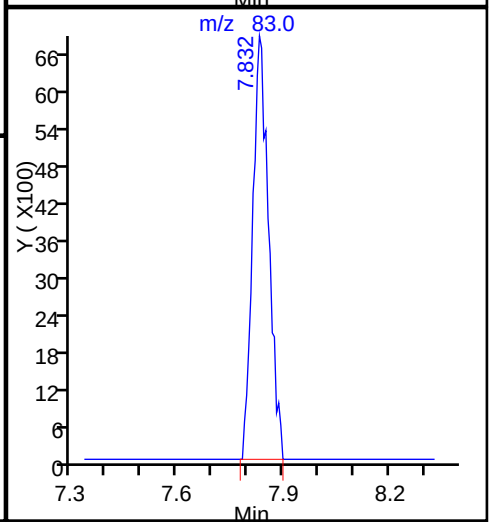


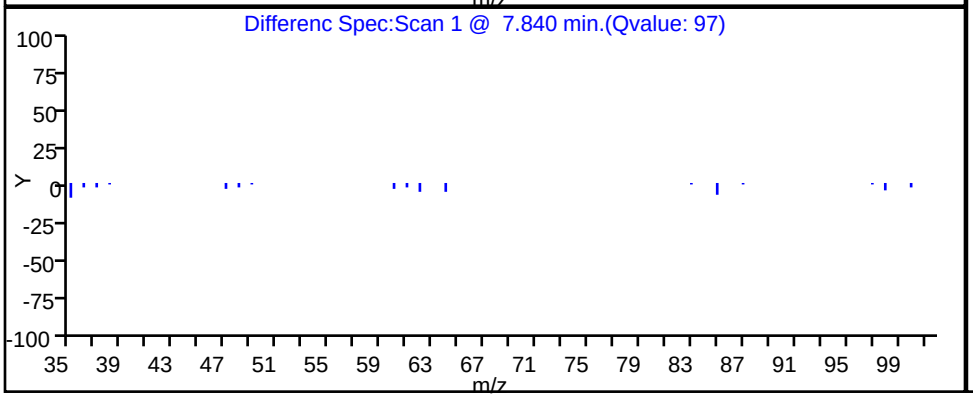












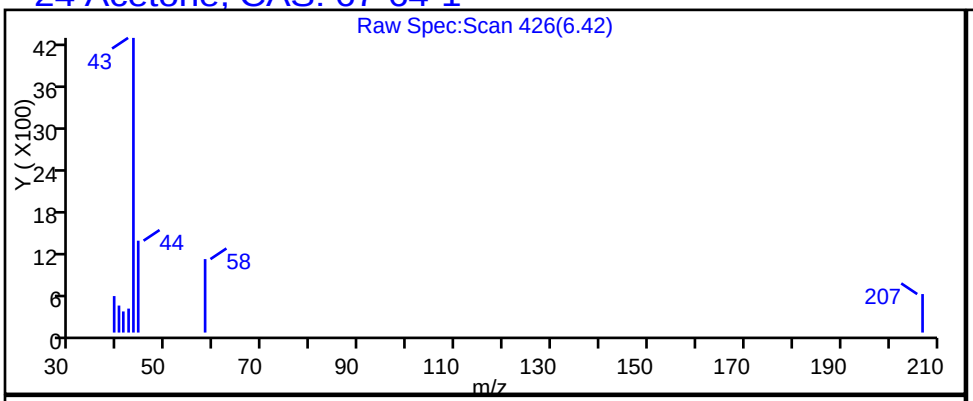
Report Date: 16-Dec-2015 19:19:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

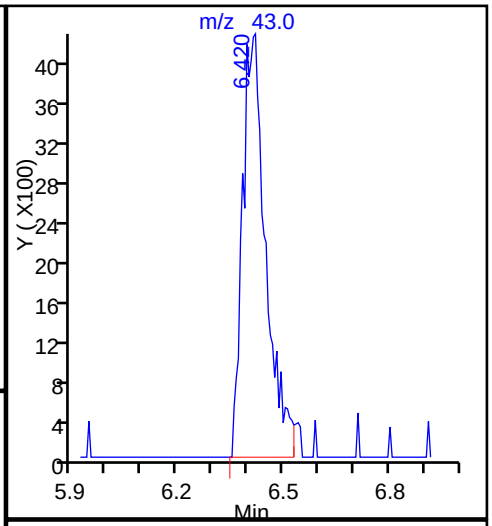
TestAmerica Buffalo

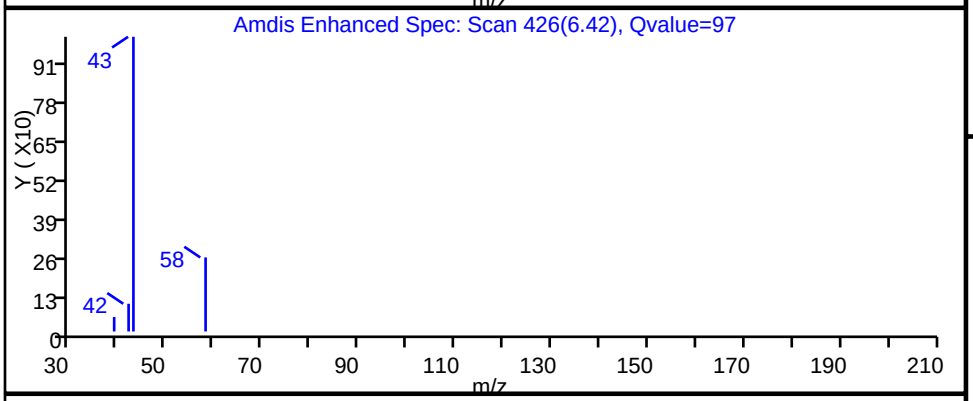
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

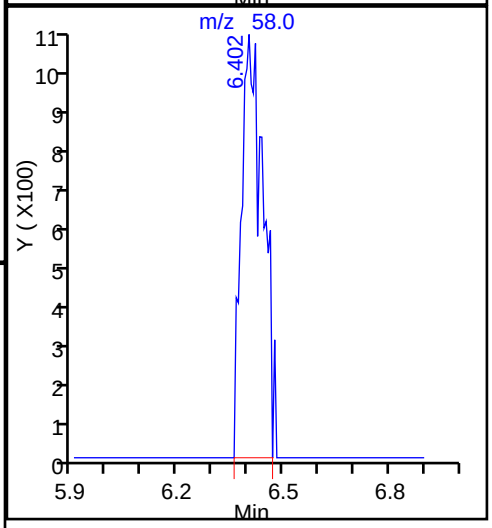
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

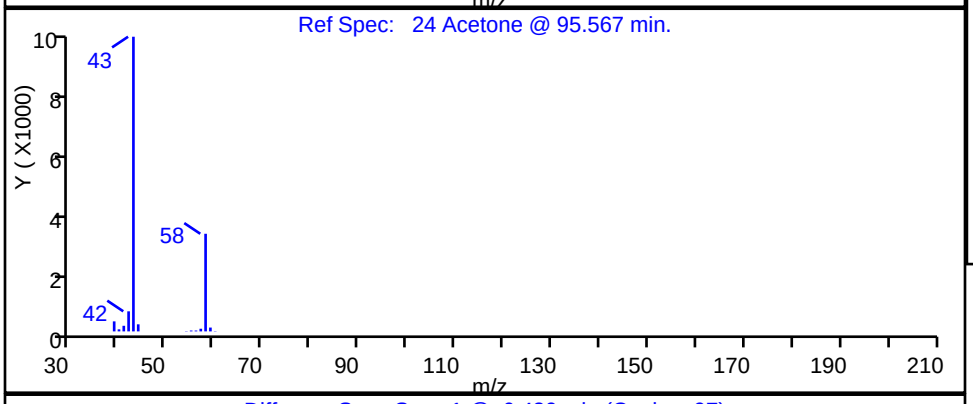
24 Acetone, CAS: 67-64-1

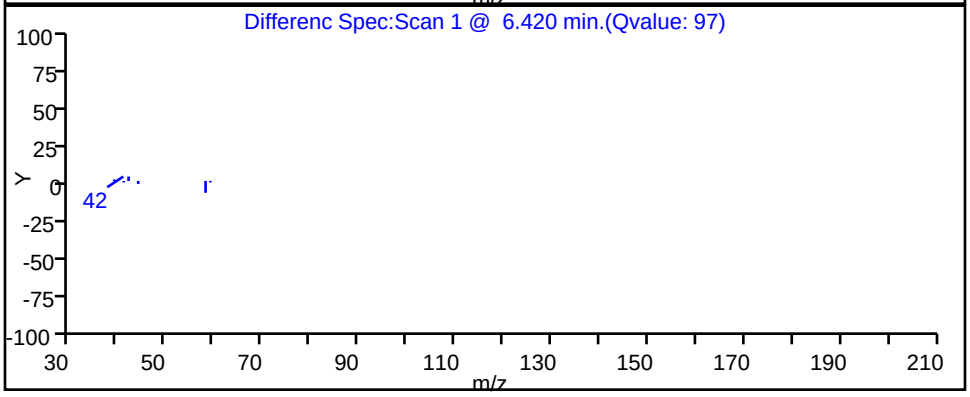












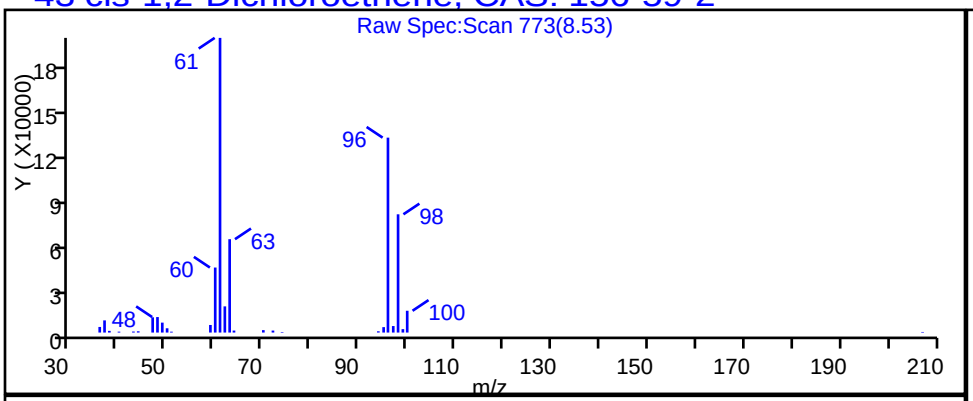
Report Date: 16-Dec-2015 19:19:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

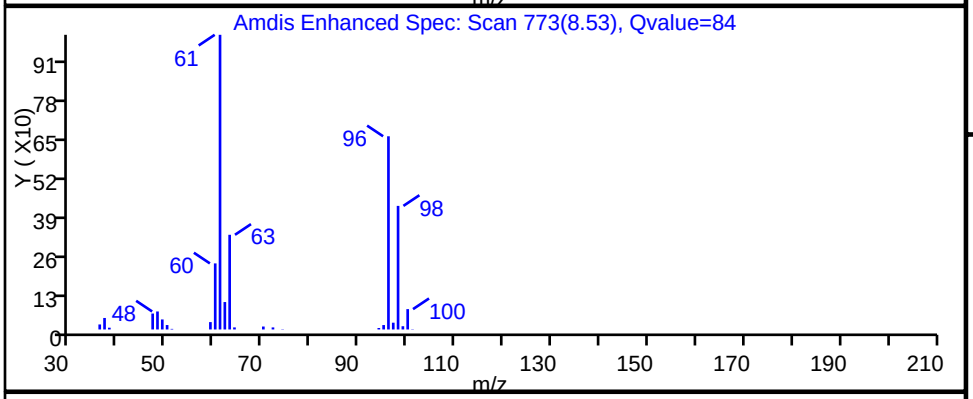
TestAmerica Buffalo

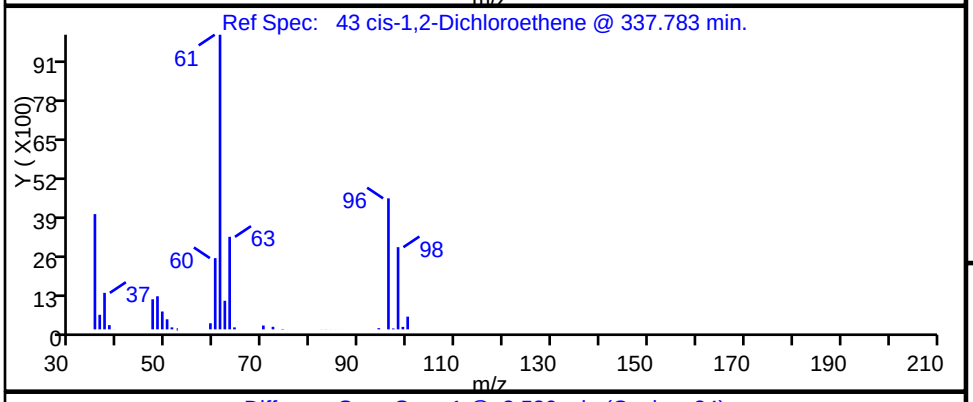
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

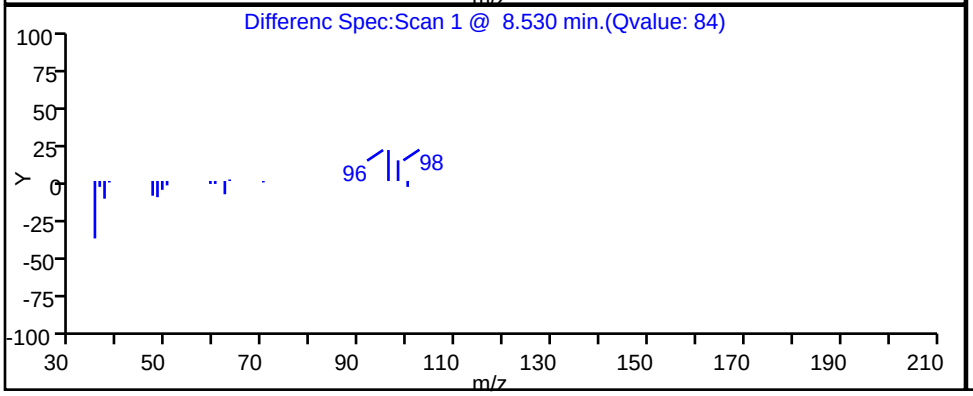
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

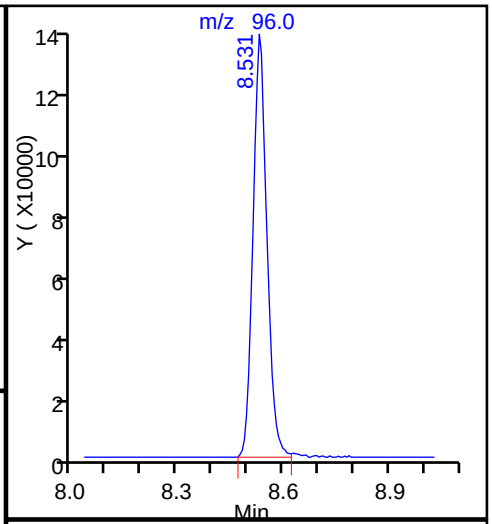
43 cis-1,2-Dichloroethene, CAS: 156-59-2

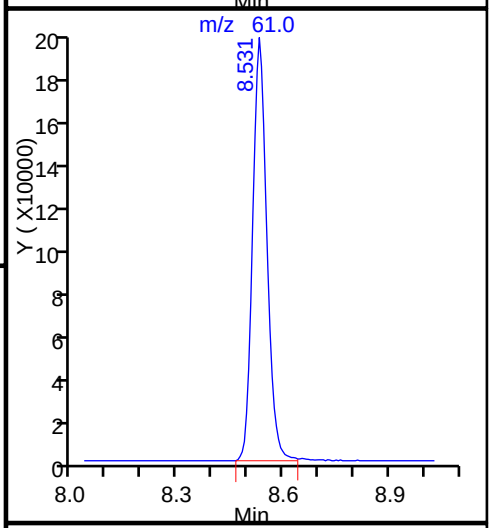


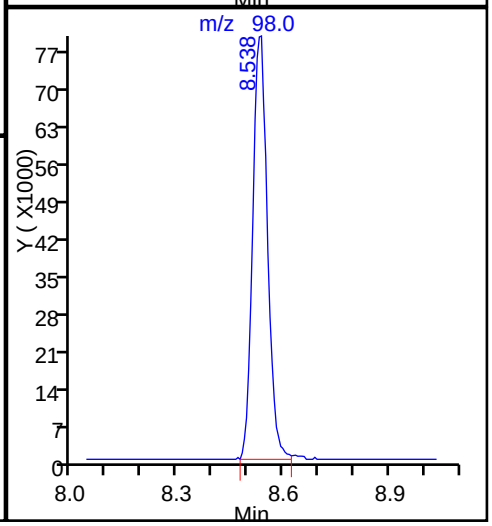












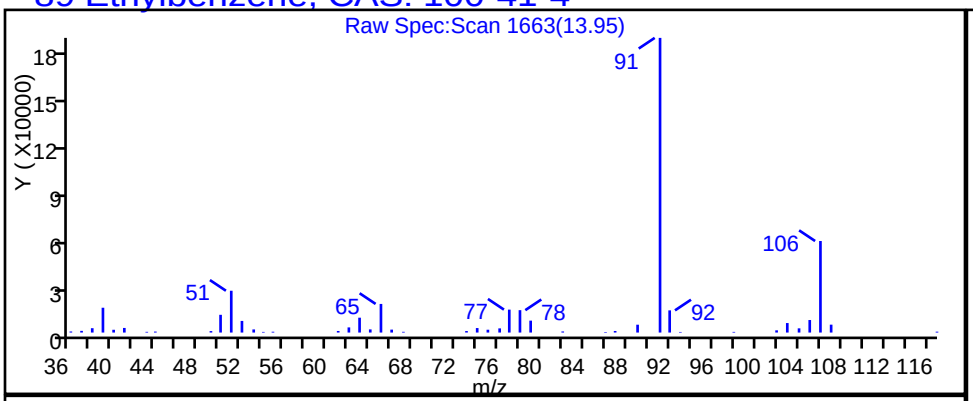
Report Date: 16-Dec-2015 19:19:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

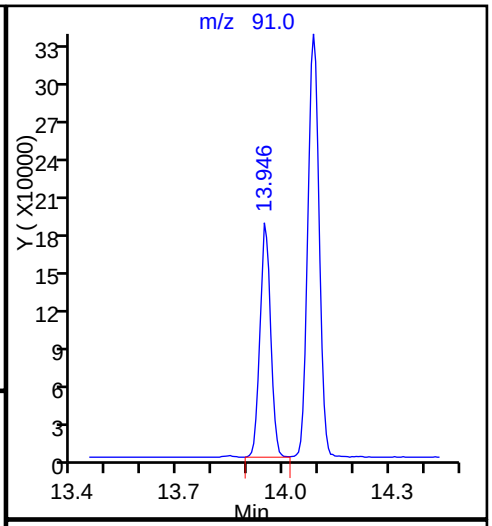
TestAmerica Buffalo

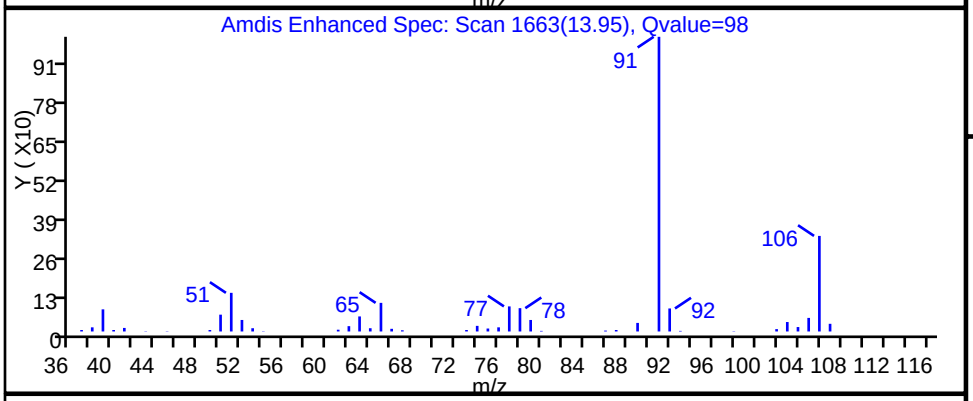
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

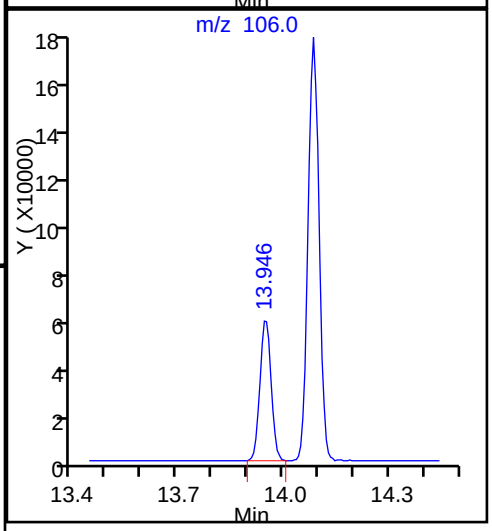
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

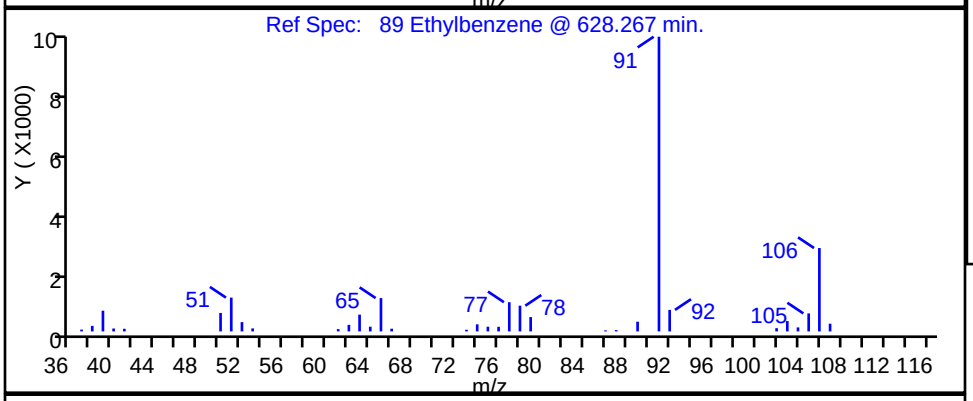
89 Ethylbenzene, CAS: 100-41-4

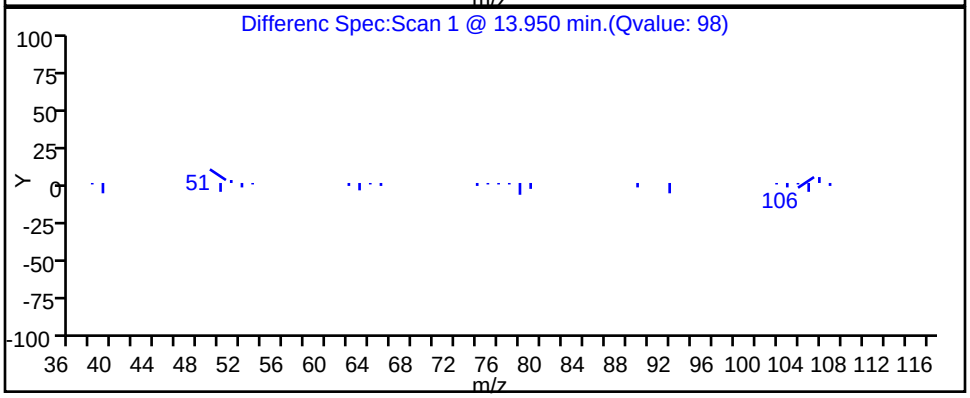










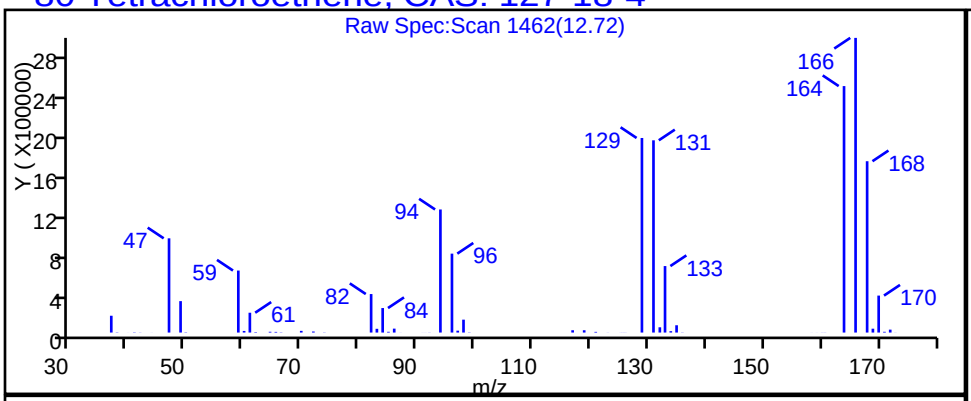


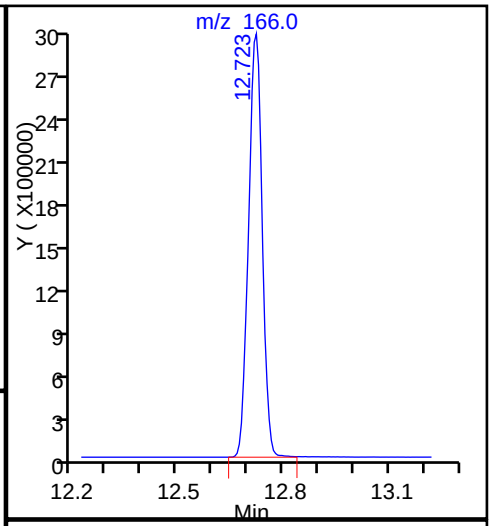
TestAmerica Buffalo

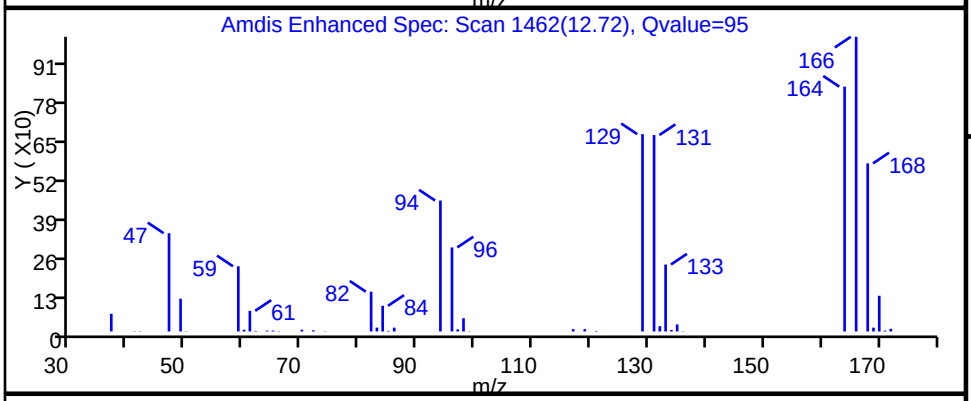
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

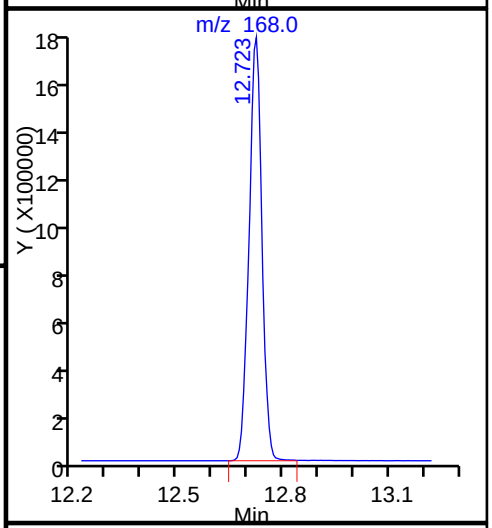
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

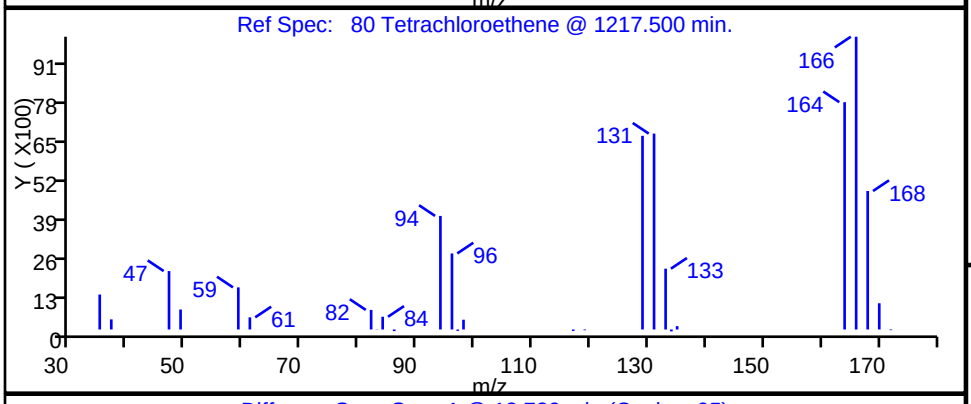
80 Tetrachloroethene, CAS: 127-18-4

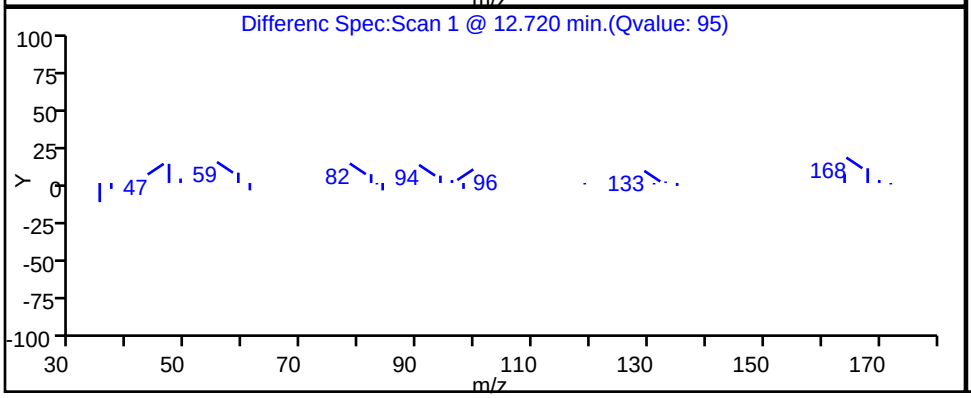


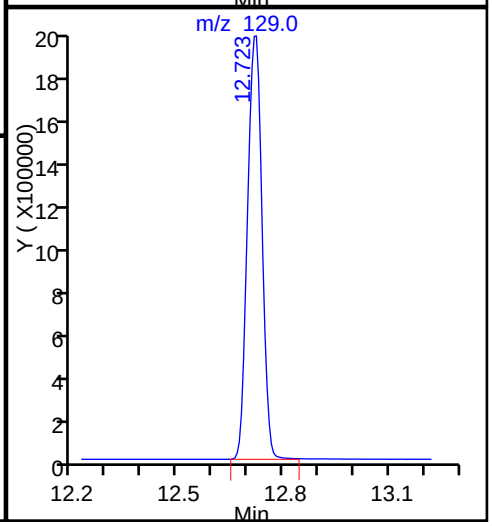








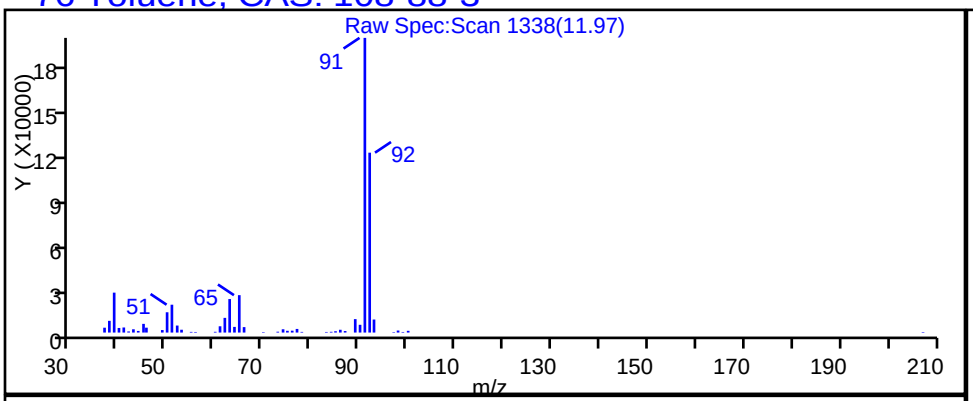


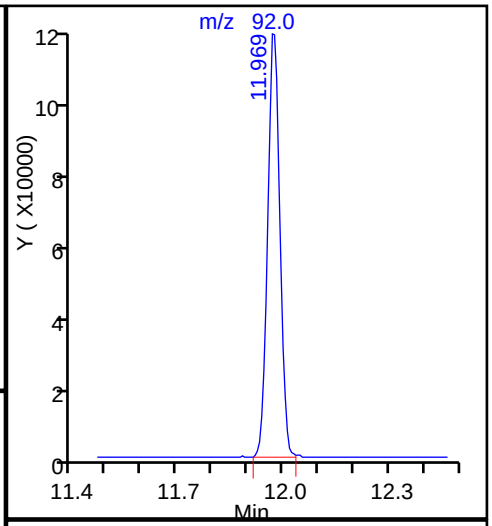


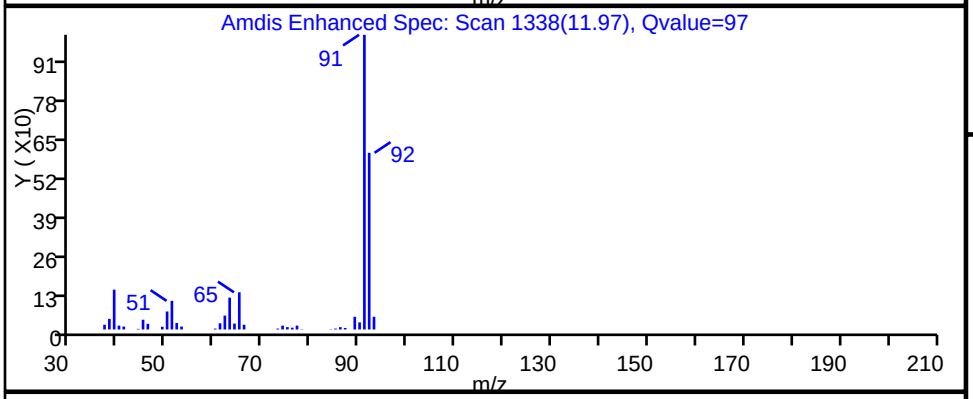
TestAmerica Buffalo

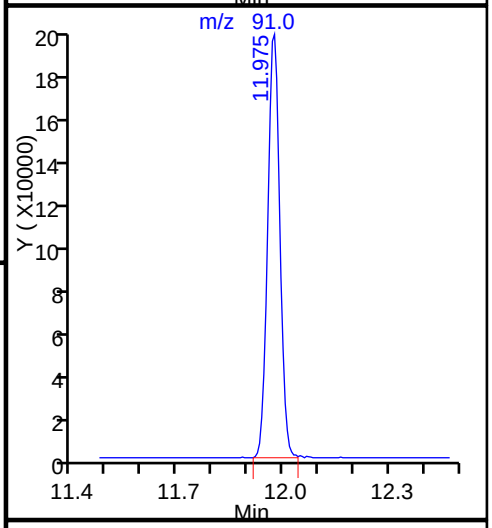
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D				
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

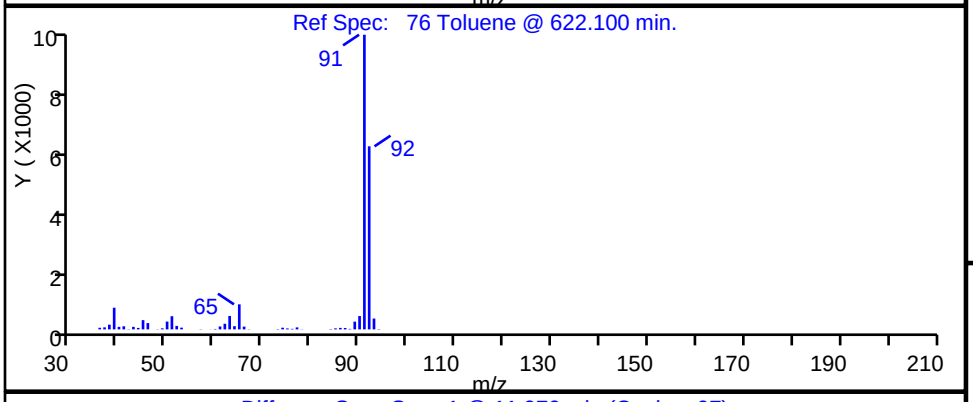
76 Toluene, CAS: 108-88-3

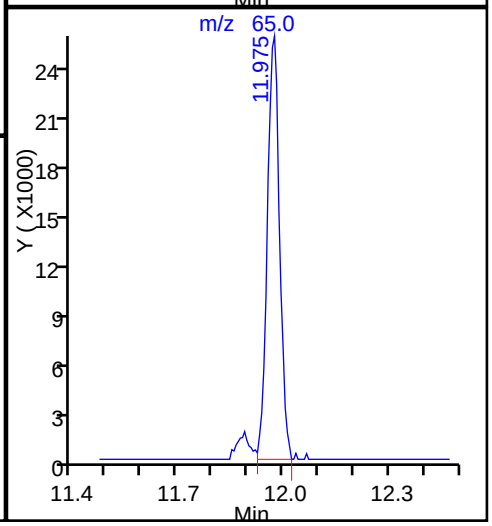


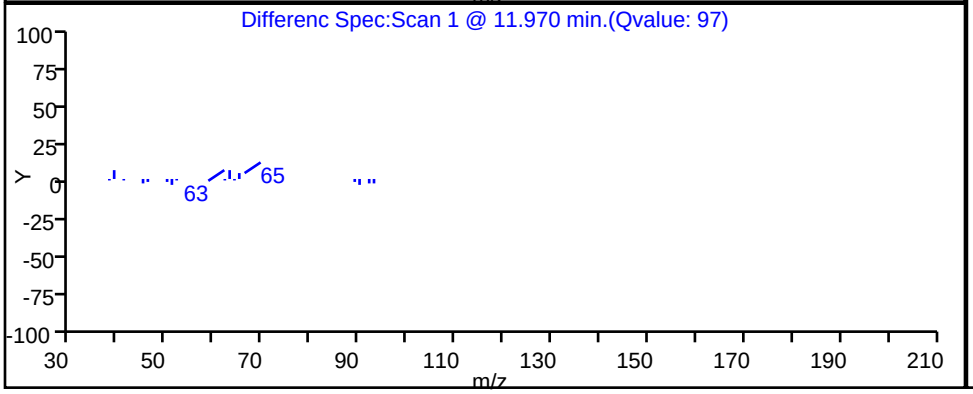












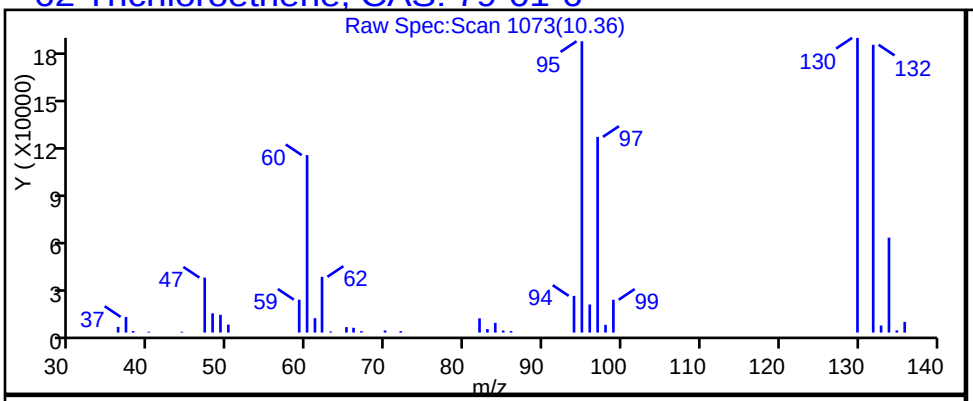
Report Date: 16-Dec-2015 19:19:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

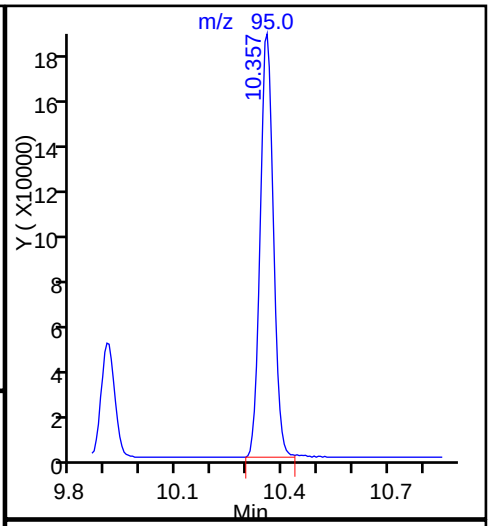
TestAmerica Buffalo

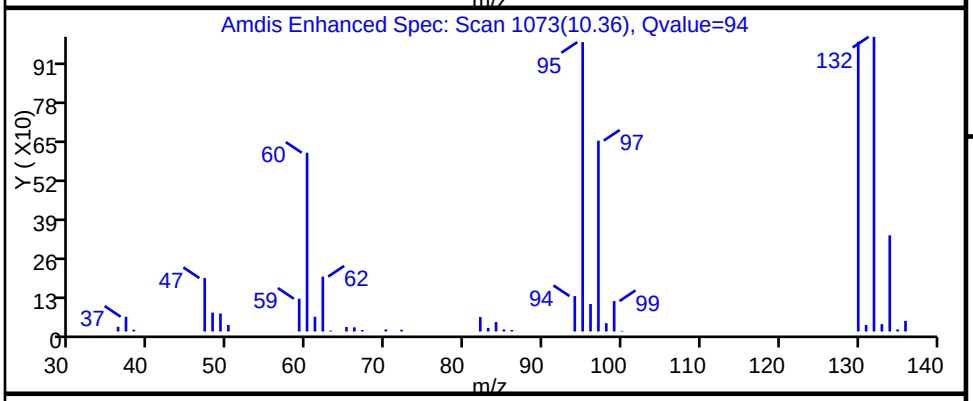
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

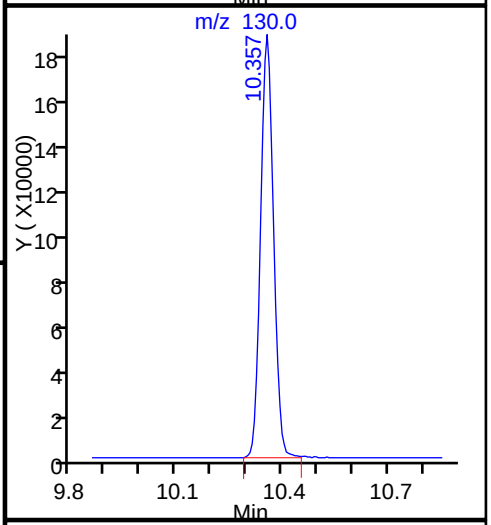
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

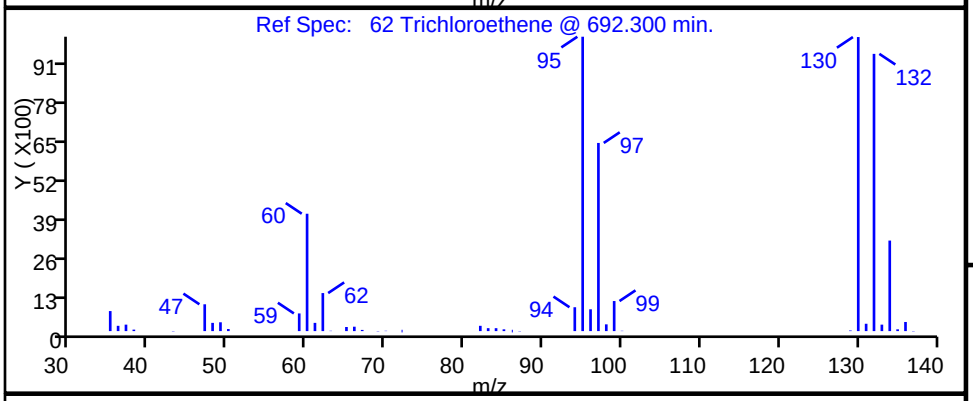
62 Trichloroethene, CAS: 79-01-6

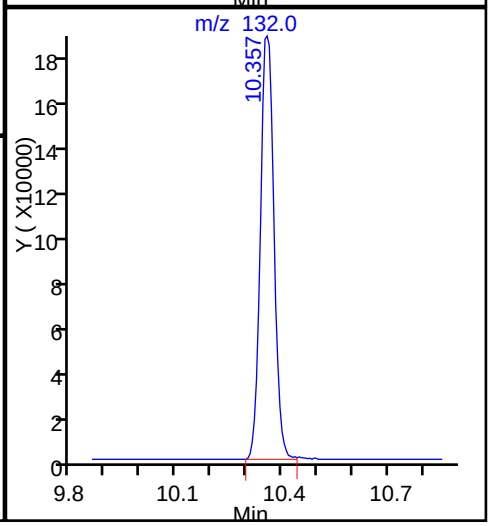


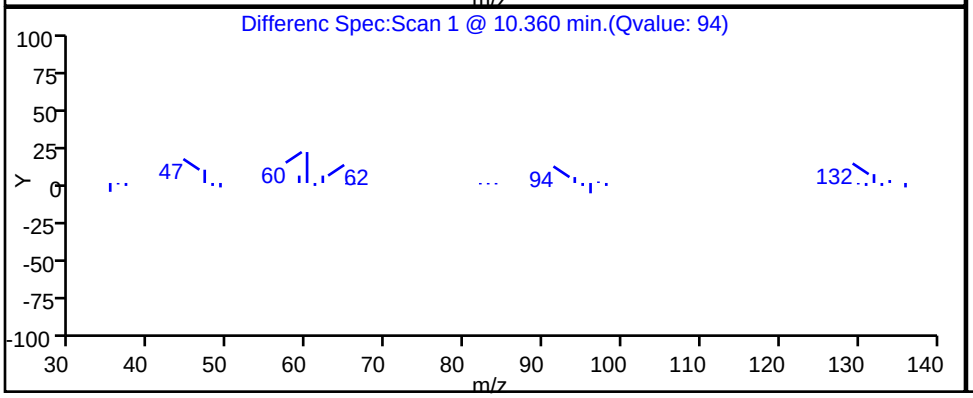












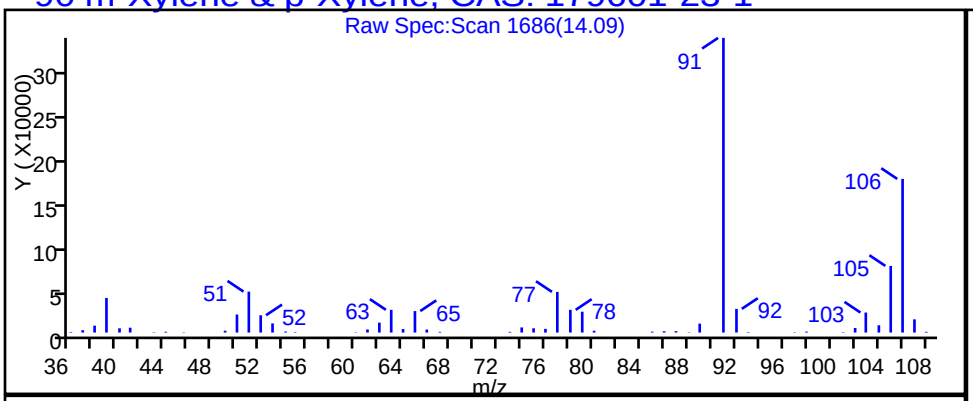
Report Date: 16-Dec-2015 19:19:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

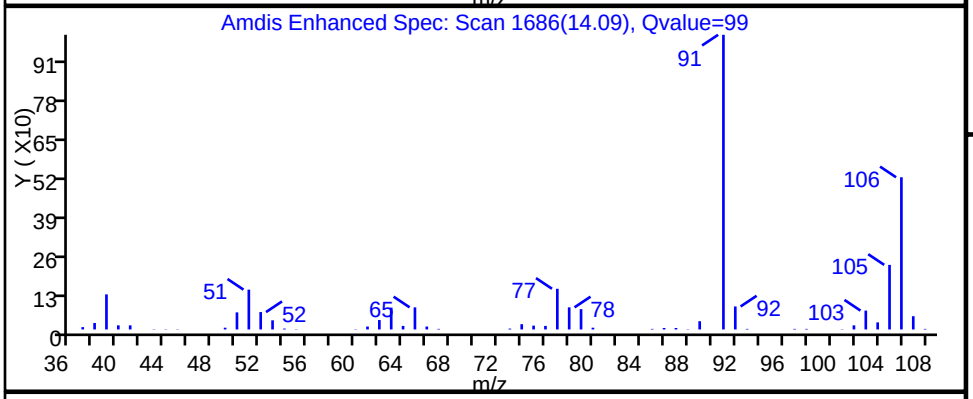
TestAmerica Buffalo

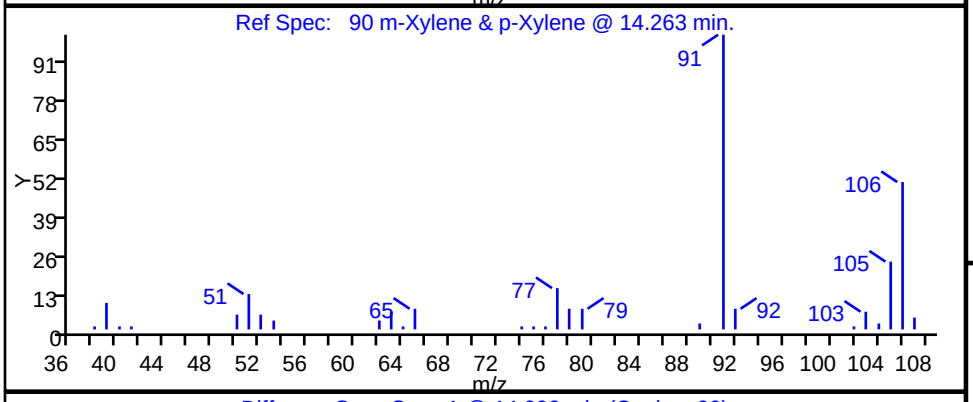
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D

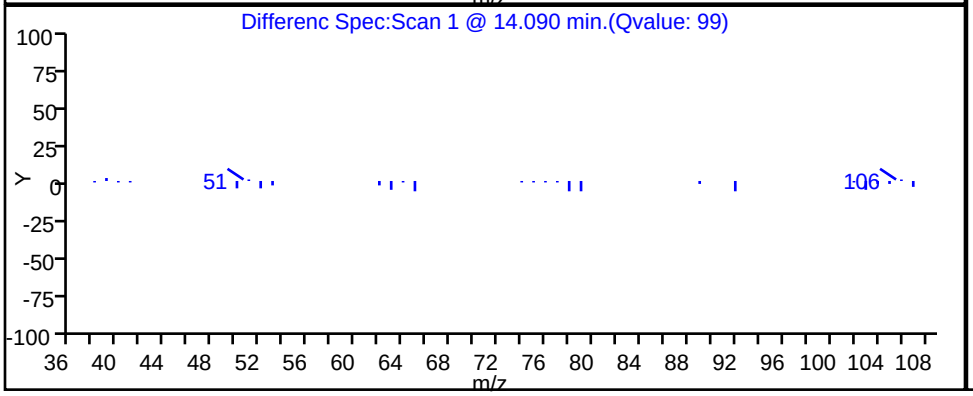
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

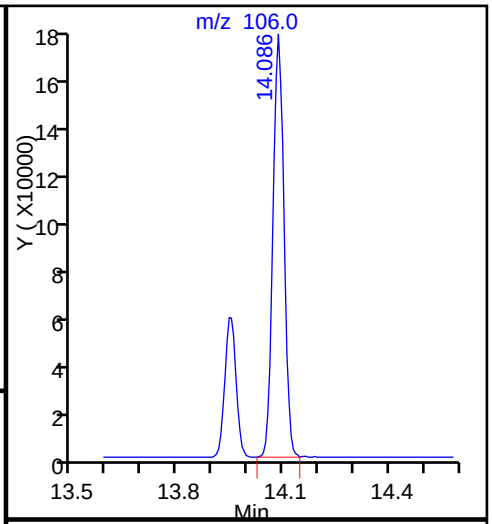
90 m-Xylene & p-Xylene, CAS: 179601-23-1

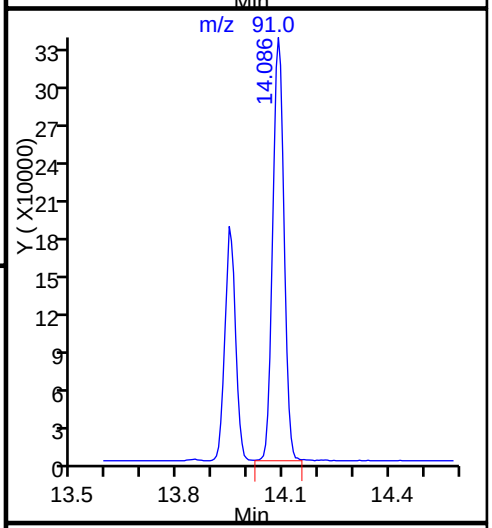


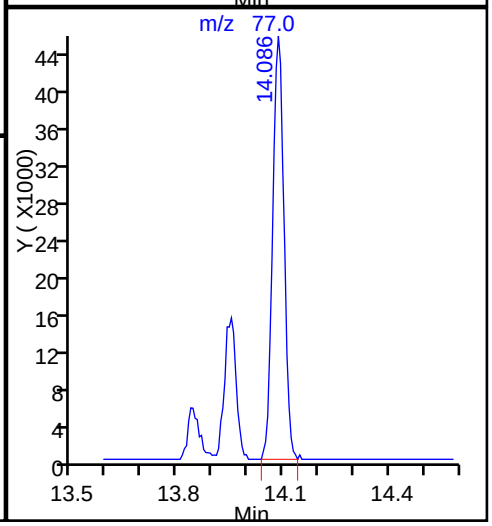








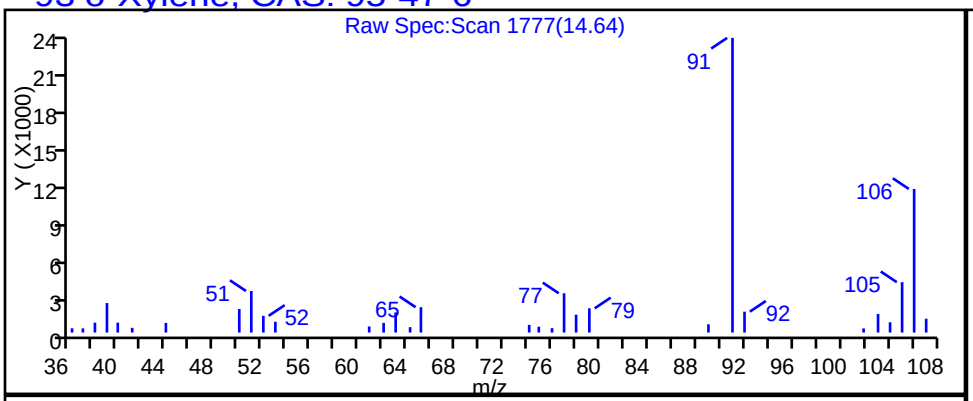


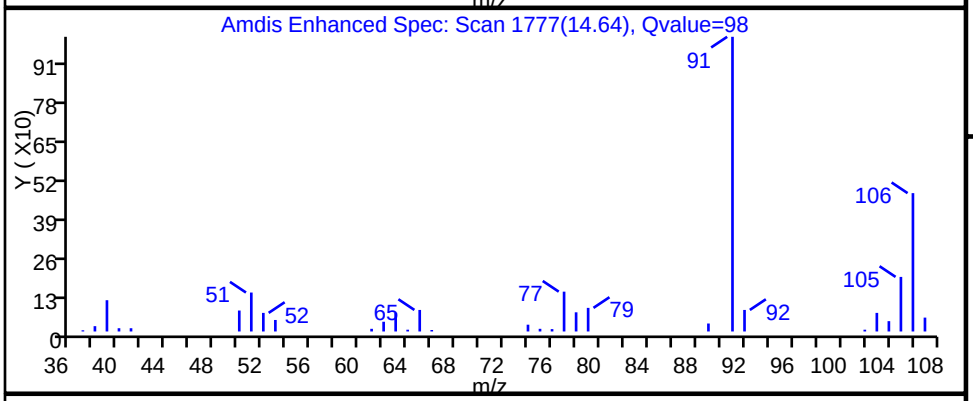


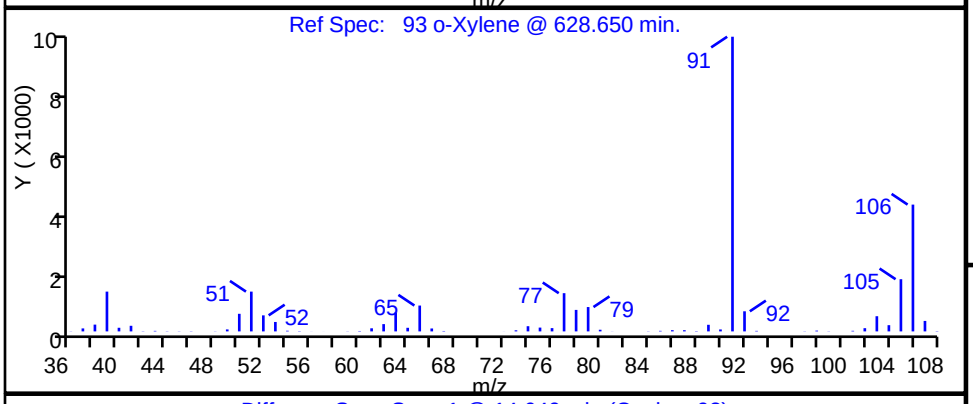
TestAmerica Buffalo

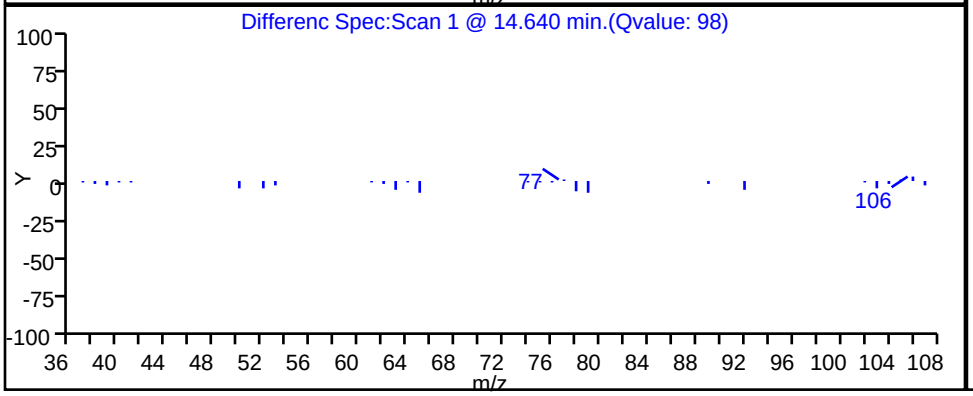
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2415.D				
Injection Date:	16-Dec-2015 17:24:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-28-A	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

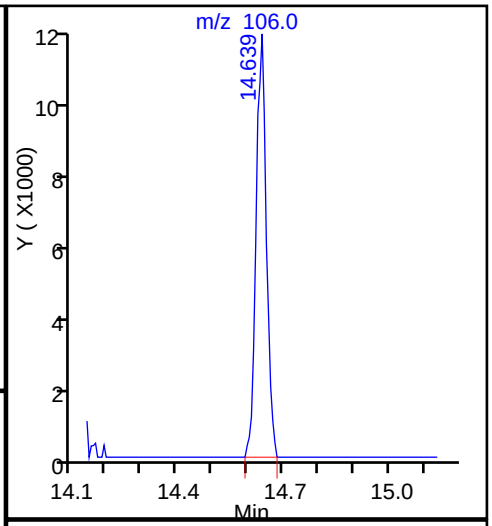
93 o-Xylene, CAS: 95-47-6

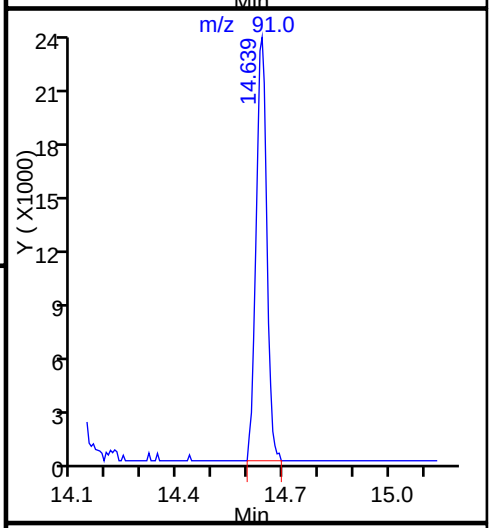


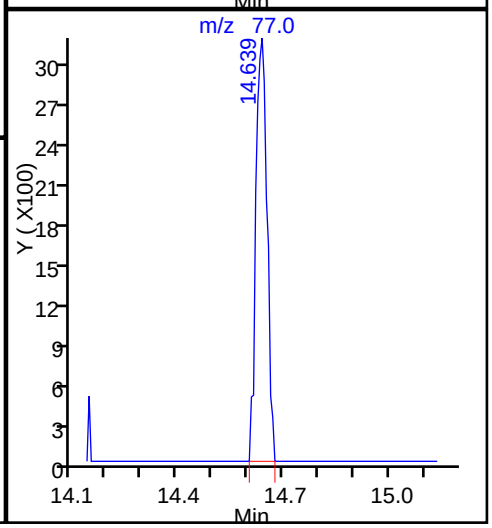












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B31-AREA2-S1 DL | Lab Sample ID: 480-92332-28 DL

Matrix: Solid | Lab File ID: S6472.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:15

Sample wt/vol: 5.04(g) | Date Analyzed: 12/22/2015 18:16

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.6 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		230	64
79-34-5	1,1,2,2-Tetrachloroethane	ND		230	37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		230	120
79-00-5	1,1,2-Trichloroethane	ND		230	48
75-34-3	1,1-Dichloroethane	ND		230	71
75-35-4	1,1-Dichloroethene	ND		230	80
120-82-1	1,2,4-Trichlorobenzene	ND		230	87
96-12-8	1,2-Dibromo-3-Chloropropane	ND		230	120
106-93-4	1,2-Dibromoethane	ND		230	40
95-50-1	1,2-Dichlorobenzene	ND		230	59
107-06-2	1,2-Dichloroethane	ND		230	94
78-87-5	1,2-Dichloropropane	ND		230	37
541-73-1	1,3-Dichlorobenzene	ND		230	61
106-46-7	1,4-Dichlorobenzene	ND		230	32
78-93-3	2-Butanone (MEK)	ND		1200	680
591-78-6	2-Hexanone	ND		1200	470
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1200	74
67-64-1	Acetone	ND		1200	950
71-43-2	Benzene	ND		230	44
75-27-4	Bromodichloromethane	ND		230	46
75-25-2	Bromoform	ND		230	120
74-83-9	Bromomethane	ND		230	51
75-15-0	Carbon disulfide	ND		230	100
56-23-5	Carbon tetrachloride	ND		230	59
108-90-7	Chlorobenzene	ND		230	30
75-00-3	Chloroethane	ND		230	48
67-66-3	Chloroform	ND		230	160
74-87-3	Chloromethane	ND		230	55
156-59-2	cis-1,2-Dichloroethene	99	J	230	64
10061-01-5	cis-1,3-Dichloropropene	ND		230	55
110-82-7	Cyclohexane	ND		230	51
124-48-1	Dibromochloromethane	ND		230	110
75-71-8	Dichlorodifluoromethane	ND		230	100
100-41-4	Ethylbenzene	110	J	230	67
98-82-8	Isopropylbenzene	ND		230	35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B31-AREA2-S1 DL | Lab Sample ID: 480-92332-28 DL

Matrix: Solid | Lab File ID: S6472.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:15

Sample wt/vol: 5.04(g) | Date Analyzed: 12/22/2015 18:16

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 2

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.6 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		230	110
1634-04-4	Methyl tert-butyl ether	ND		230	87
108-87-2	Methylcyclohexane	ND		230	110
75-09-2	Methylene Chloride	ND		230	46
100-42-5	Styrene	ND		230	55
127-18-4	Tetrachloroethene	12000		230	31
108-88-3	Toluene	95	J	230	62
156-60-5	trans-1,2-Dichloroethene	ND		230	54
10061-02-6	trans-1,3-Dichloropropene	ND		230	23
79-01-6	Trichloroethene	290		230	64
75-69-4	Trichlorofluoromethane	ND		230	110
75-01-4	Vinyl chloride	ND		230	77
1330-20-7	Xylenes, Total	290	J	460	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		53-146
460-00-4	4-Bromofluorobenzene (Surr)	91		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D
Lims ID: 480-92332-A-28-C Lab Sample ID: 480-92332-28
Client ID: B31-AREA2-S1
Sample Type: Client
Inject. Date: 22-Dec-2015 18:16:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-92332-A-28-C
Misc. Info.: 480-0049479-022
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 12:14:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 22-Dec-2015 18:35:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	98	119736	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	239468	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	96	225154	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	93101	25.1	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	85	563037	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	167644	24.8	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.401				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.815				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.734				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.141				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63		3.786				ND	
45 cis-1,2-Dichloroethene	96	4.339	4.340	-0.001	19	2611	0.4289	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.137				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.751	-0.006	72	7155	1.26	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92	6.980	6.980	0.000	50	5379	0.4142	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	91	336515	53.8	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.941				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91	8.531	8.525	0.006	53	11304	0.4805	
90 m-Xylene & p-Xylene	106	8.641	8.647	-0.006	0	12407	1.24	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.334				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		1.24	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

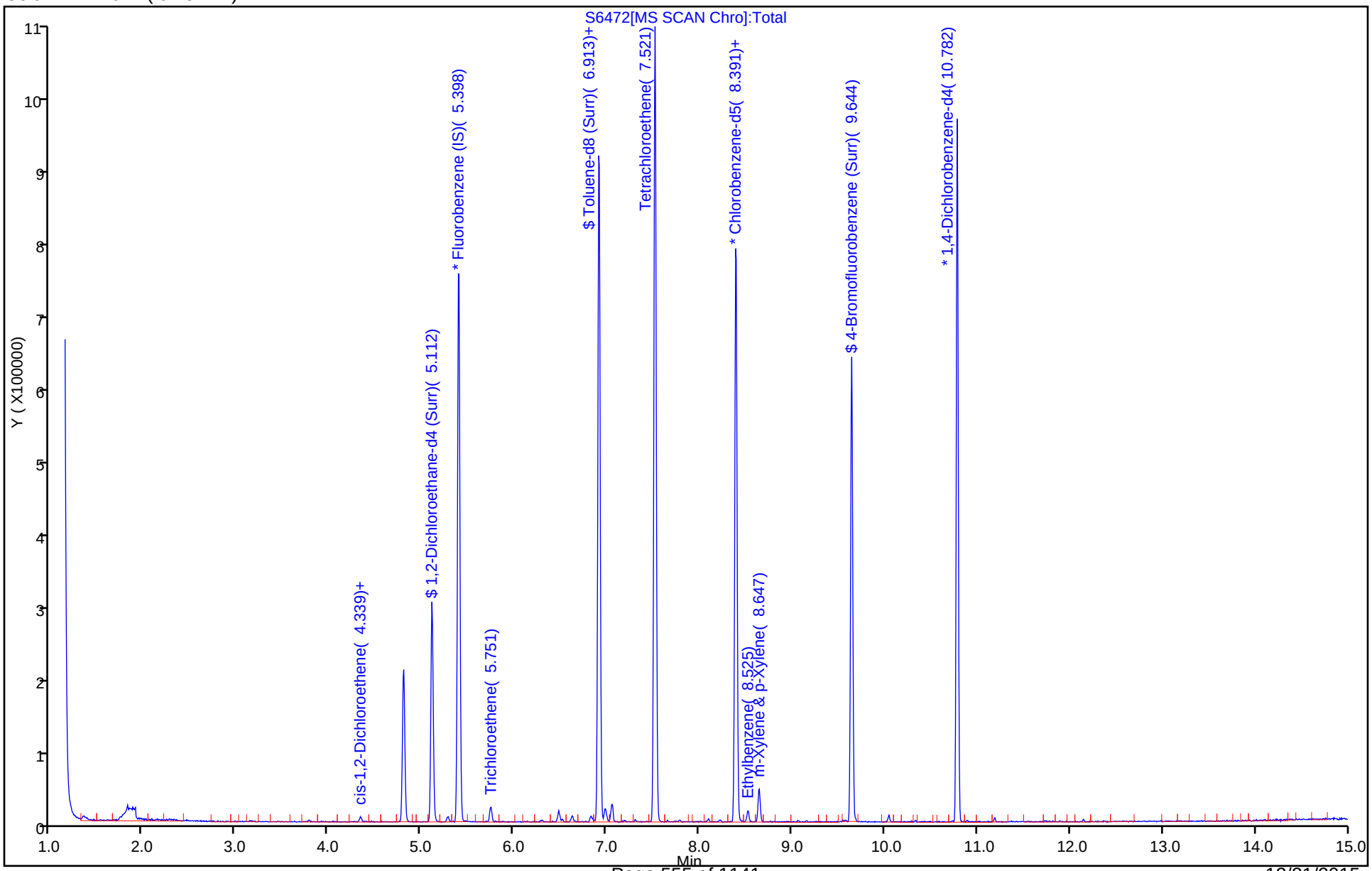
Report Date: 23-Dec-2015 12:18:02 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D

Injection Date:	22-Dec-2015 18:16:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92332-A-28-C	Lab Sample ID:	480-92332-28	Worklist Smp#:	22
Client ID:	B31-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	22
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



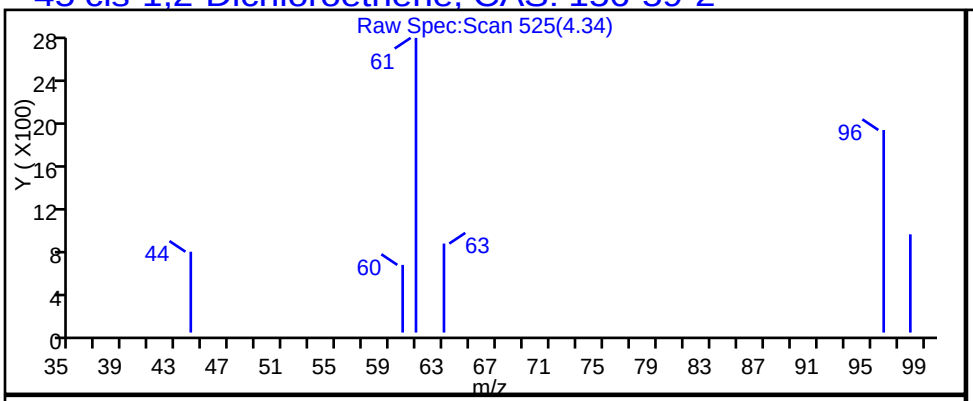
Report Date: 23-Dec-2015 12:18:02 Chrom Revision: 2.2 02-Dec-2015 11:51:48

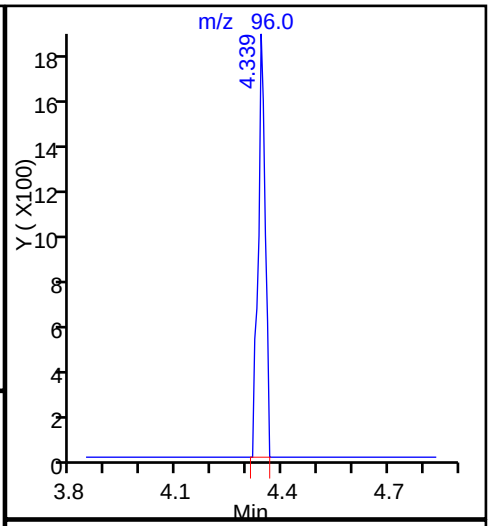
TestAmerica Buffalo

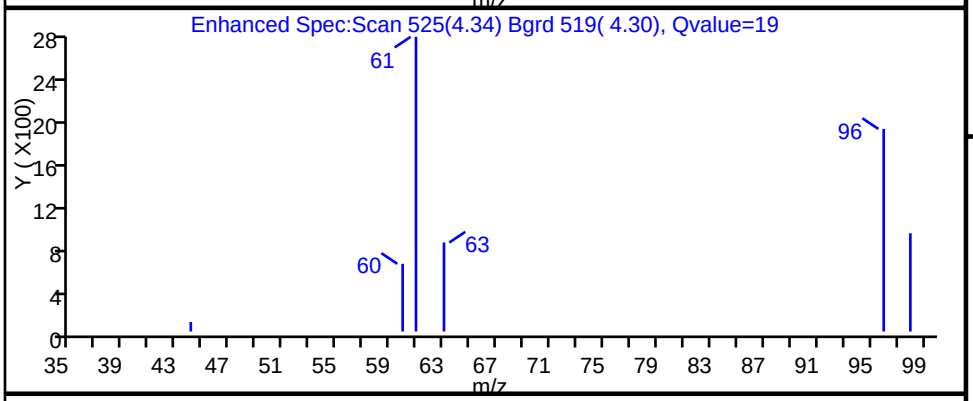
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D

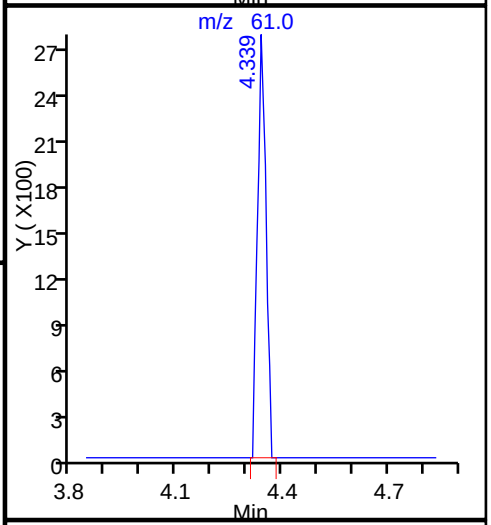
Injection Date:	22-Dec-2015 18:16:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-28-C	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

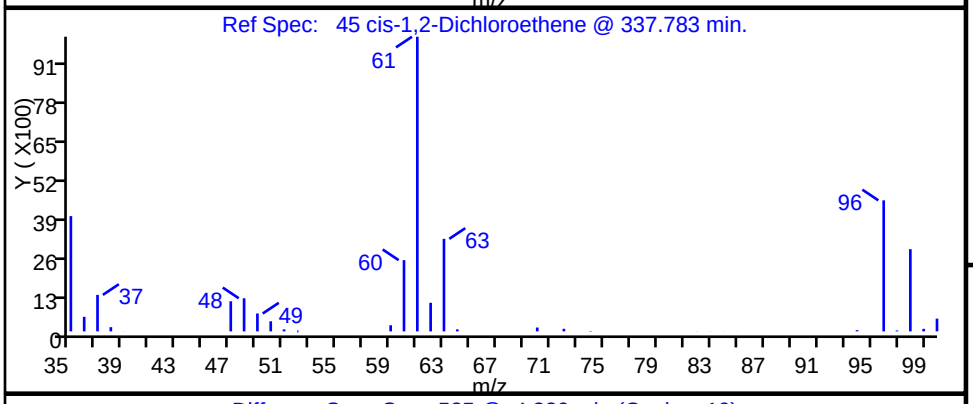
45 cis-1,2-Dichloroethene, CAS: 156-59-2

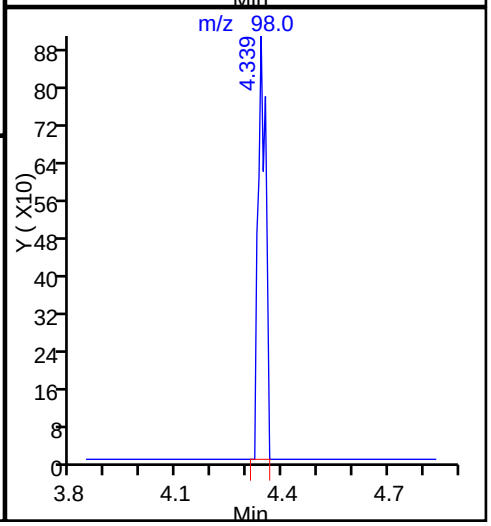


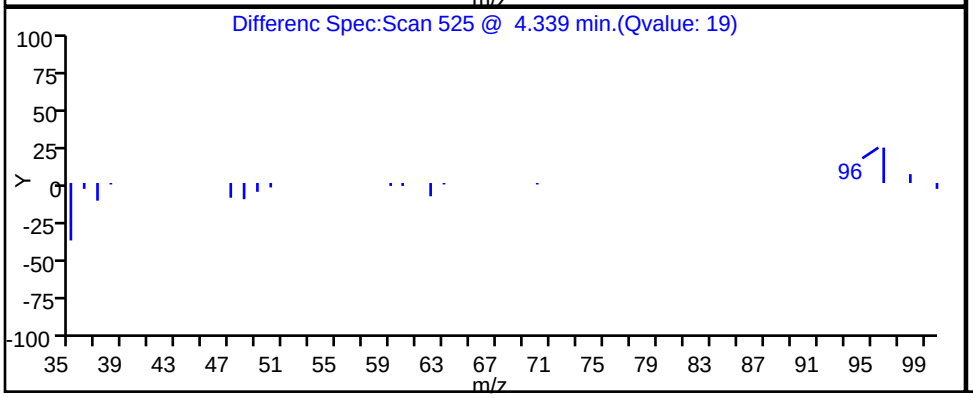












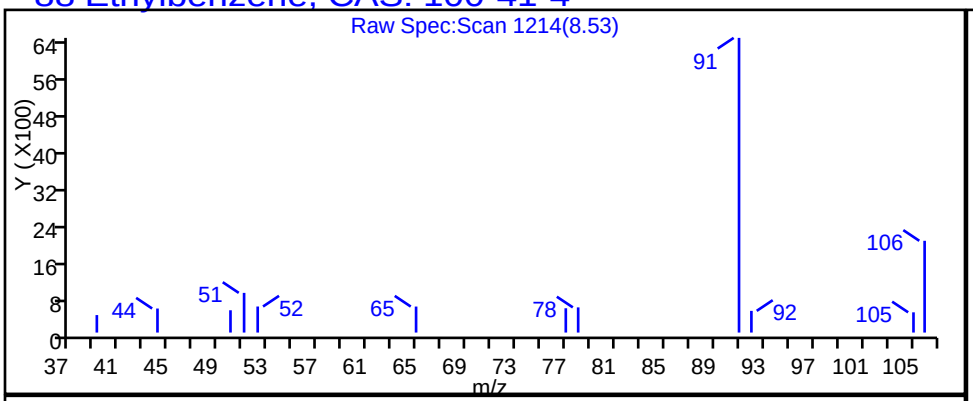
Report Date: 23-Dec-2015 12:18:02 Chrom Revision: 2.2 02-Dec-2015 11:51:48

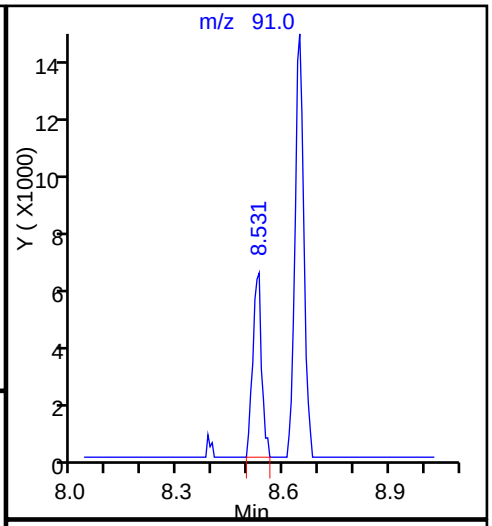
TestAmerica Buffalo

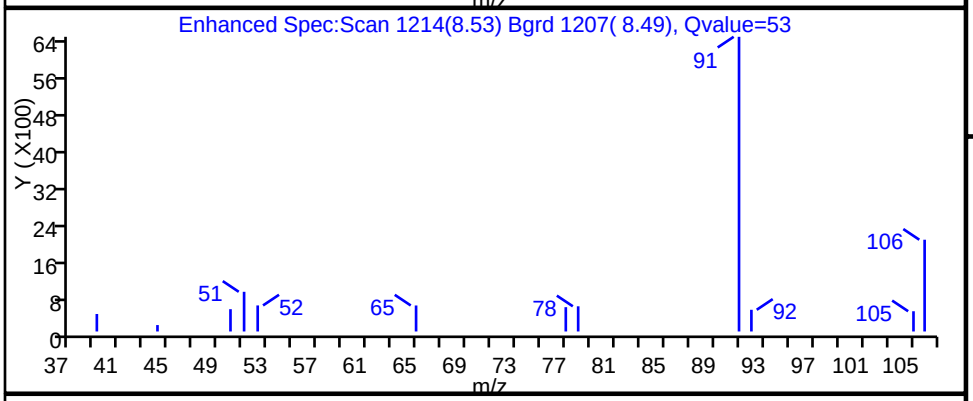
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D

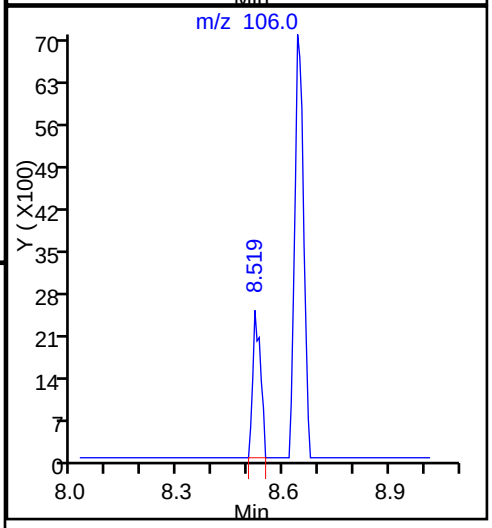
Injection Date:	22-Dec-2015 18:16:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-28-C	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

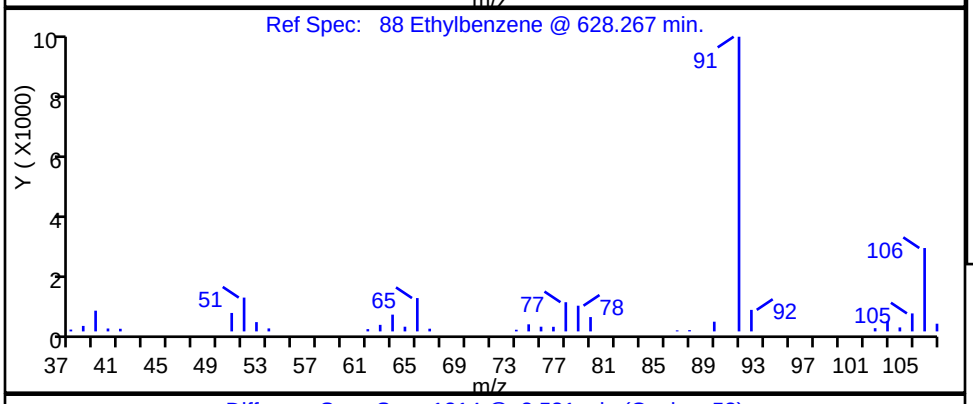
88 Ethylbenzene, CAS: 100-41-4

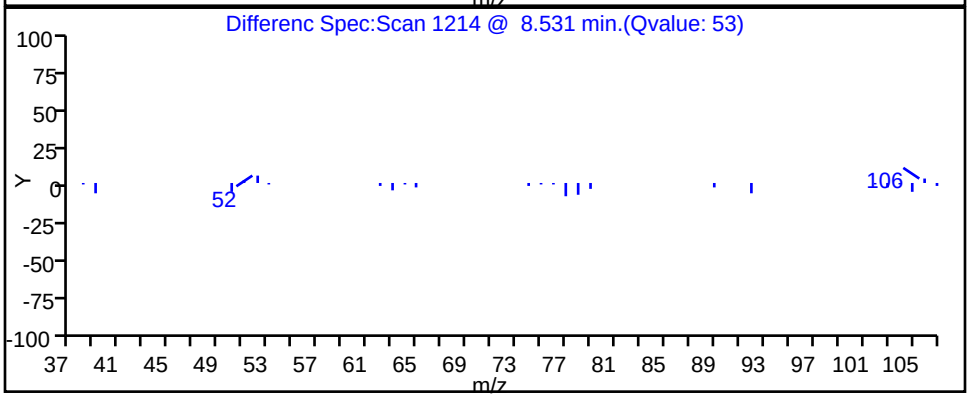










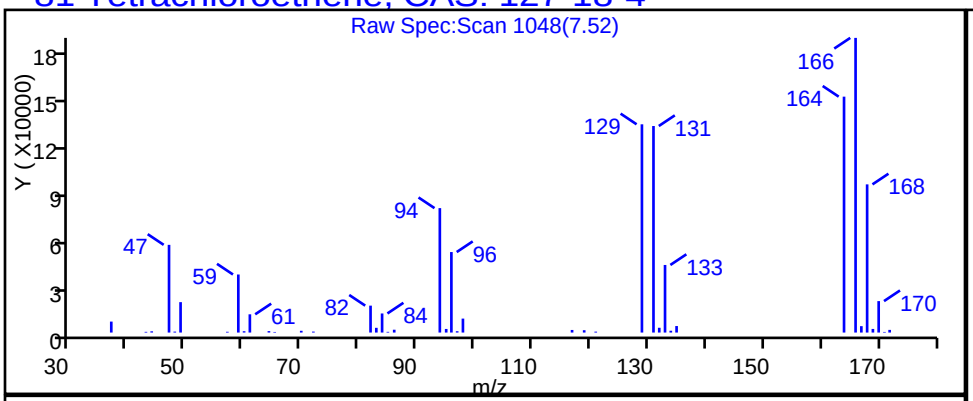


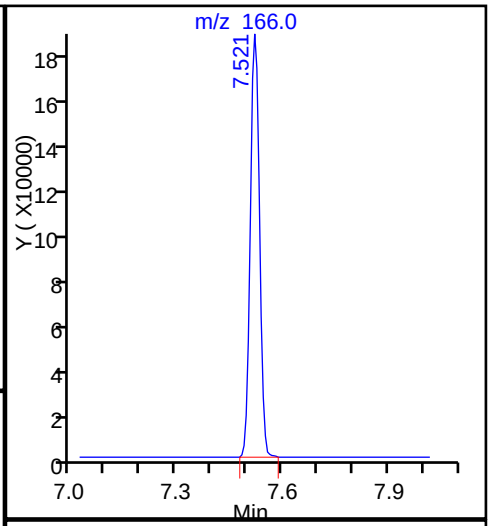
TestAmerica Buffalo

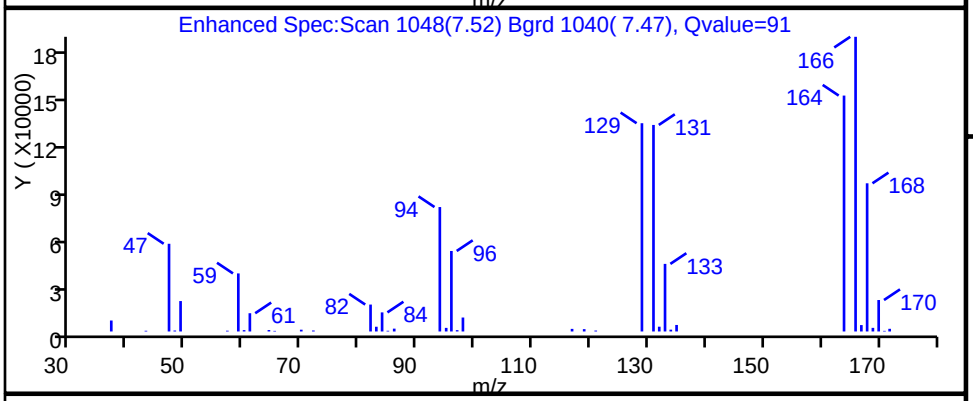
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D

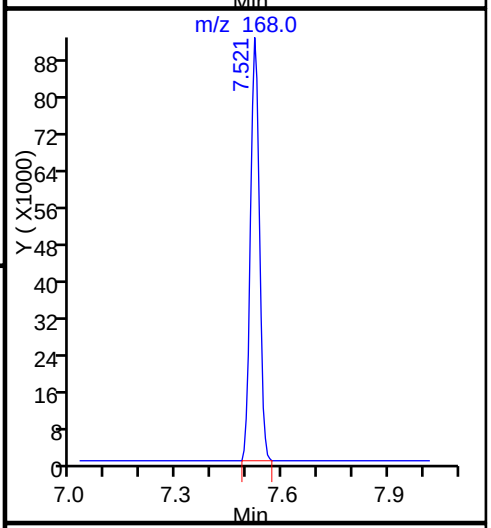
Injection Date:	22-Dec-2015 18:16:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-28-C	Lab Sample ID:	480-92332-28
Client ID:	B31-AREA2-S1		
Operator ID:	gtg	ALS Bottle#:	22 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

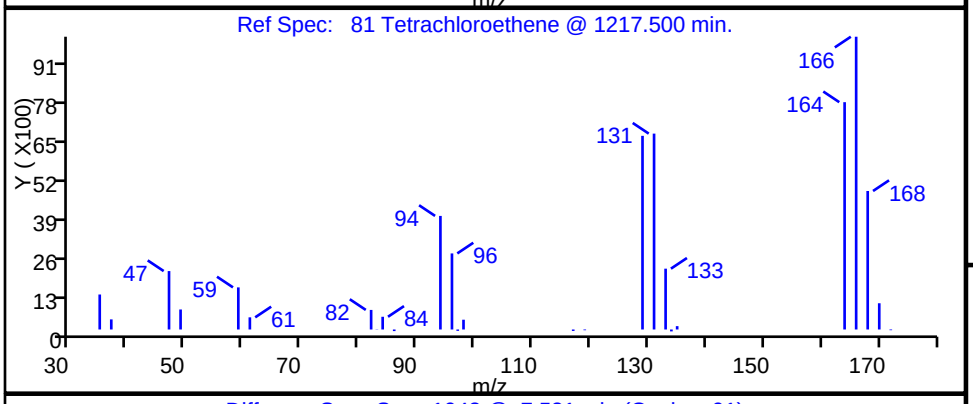
81 Tetrachloroethene, CAS: 127-18-4

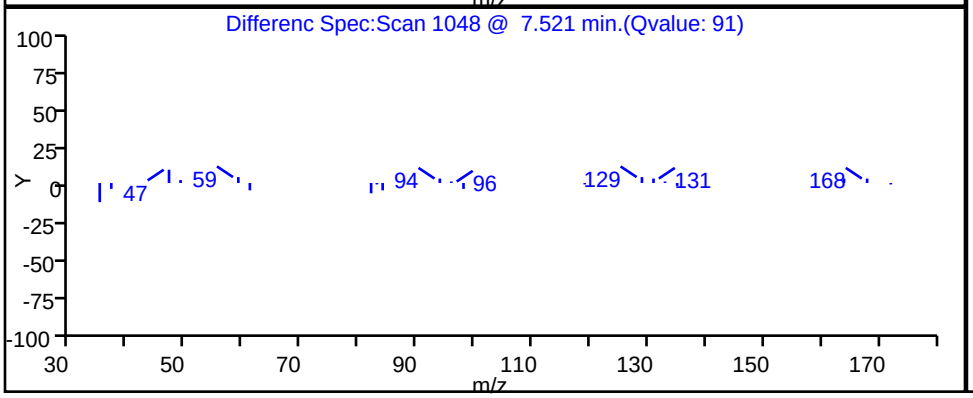


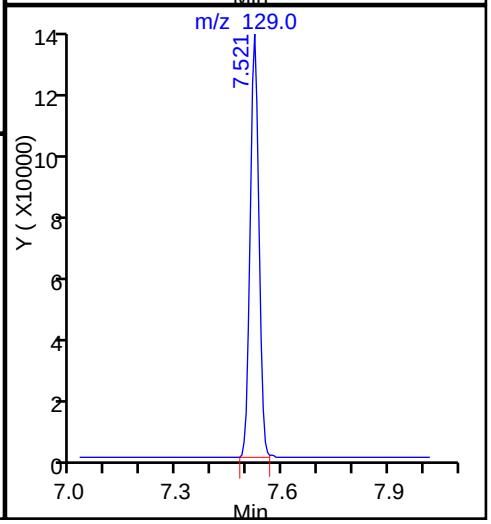










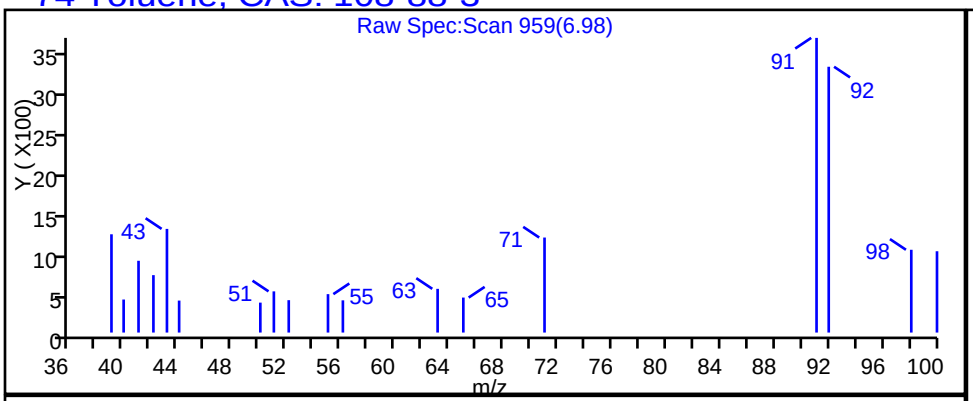


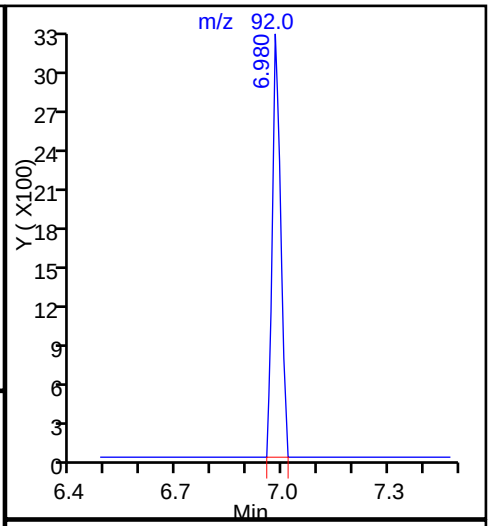
TestAmerica Buffalo

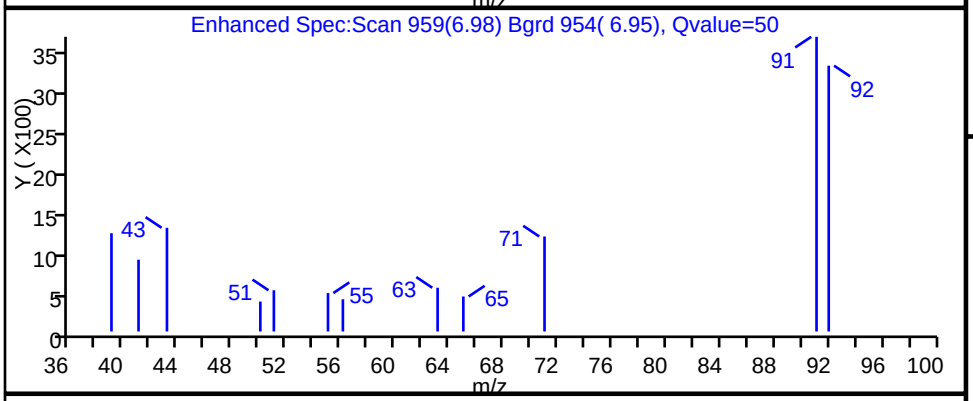
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D

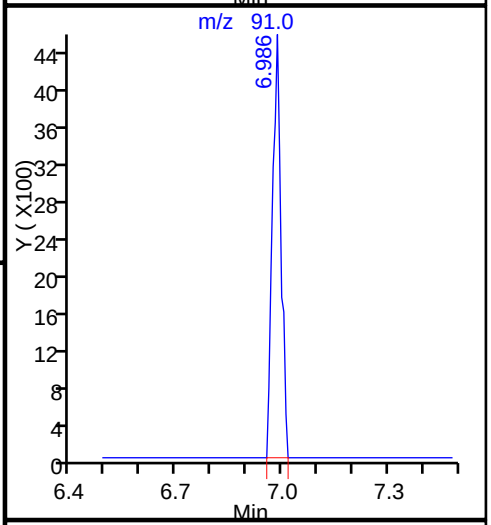
Injection Date:	22-Dec-2015 18:16:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-28-C	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

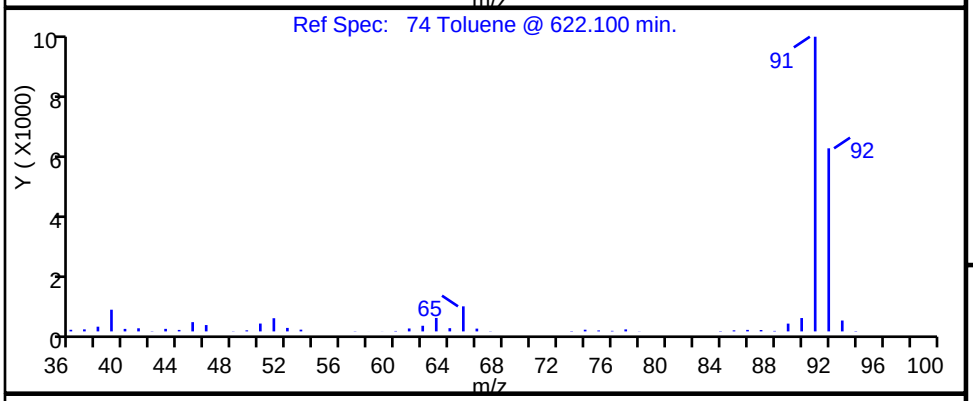
74 Toluene, CAS: 108-88-3

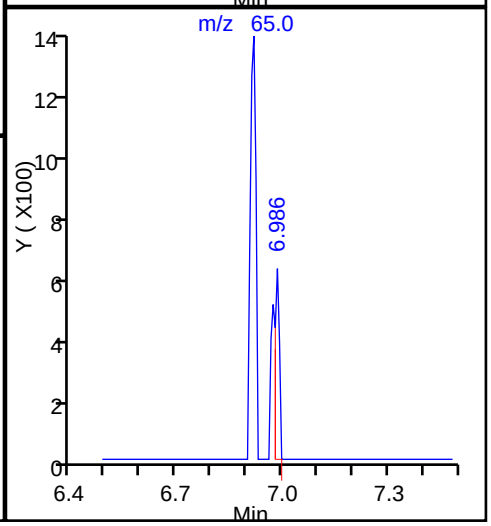


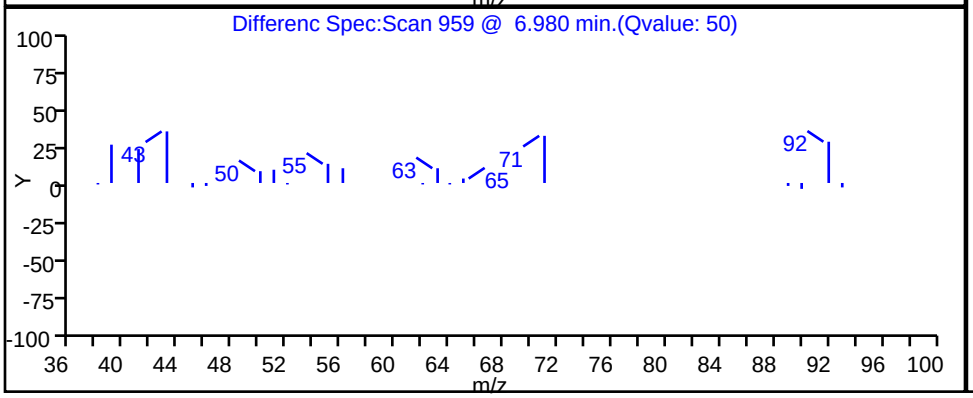












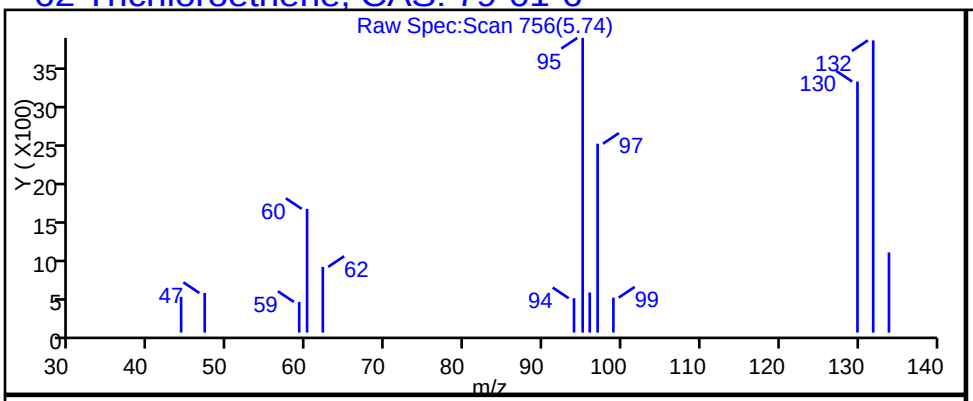
Report Date: 23-Dec-2015 12:18:02 Chrom Revision: 2.2 02-Dec-2015 11:51:48

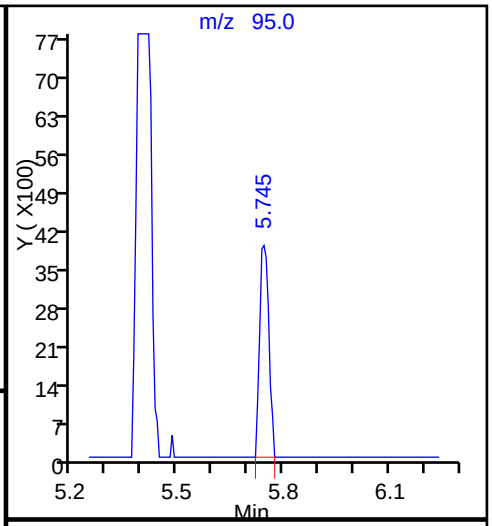
TestAmerica Buffalo

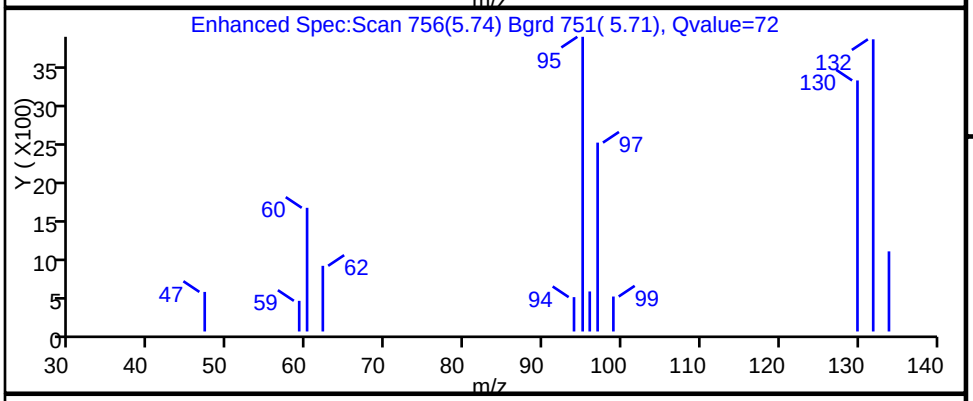
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D

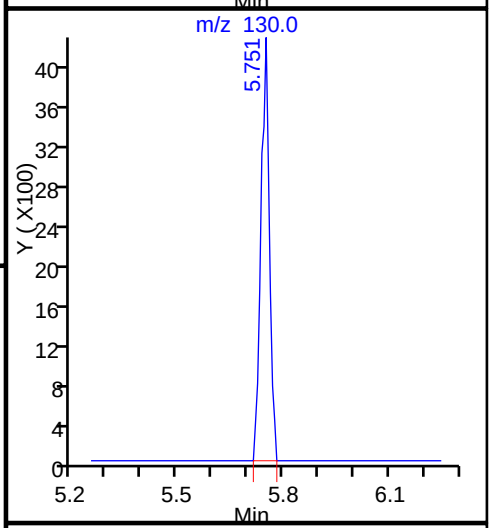
Injection Date:	22-Dec-2015 18:16:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-28-C	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

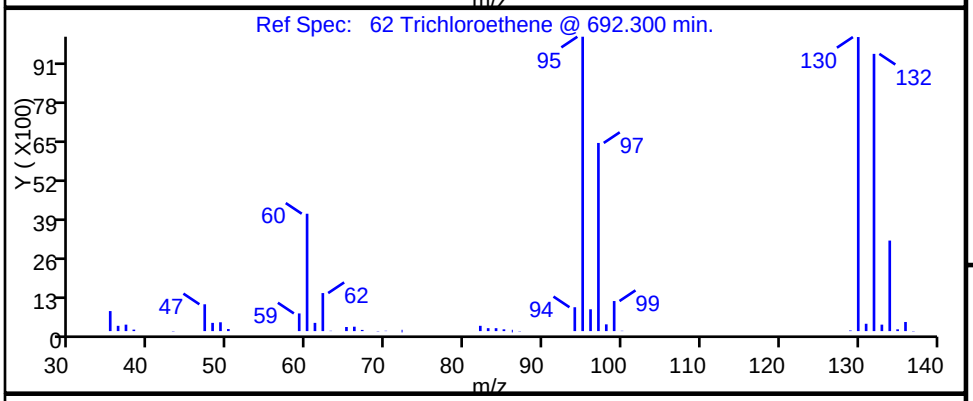
62 Trichloroethene, CAS: 79-01-6

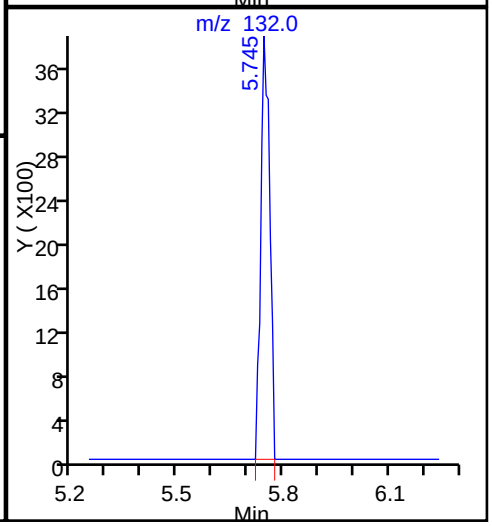


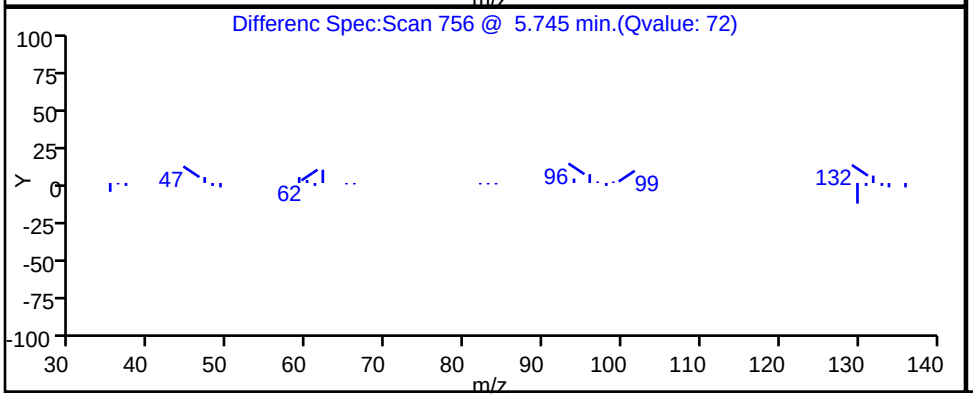










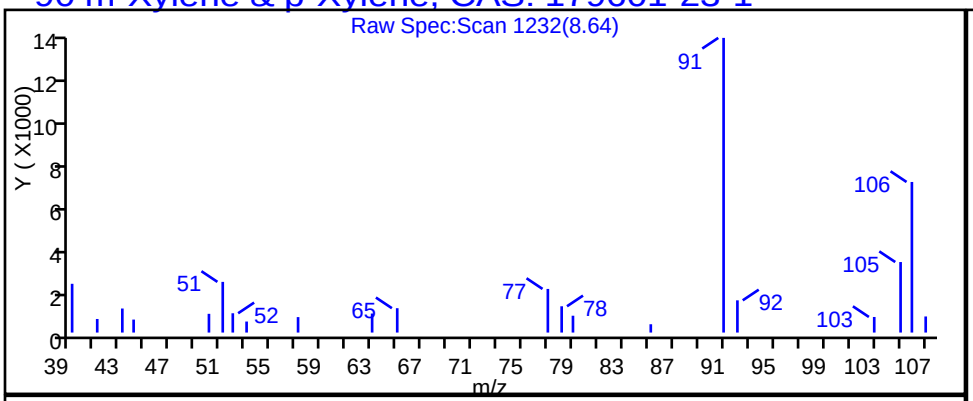


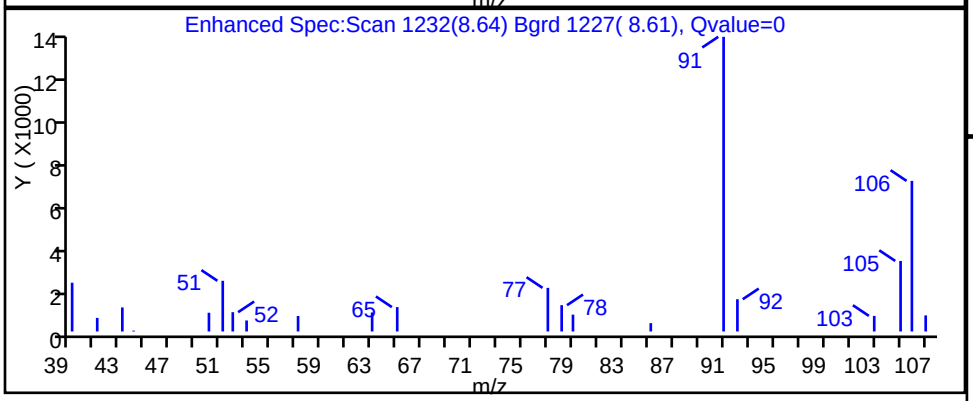
TestAmerica Buffalo

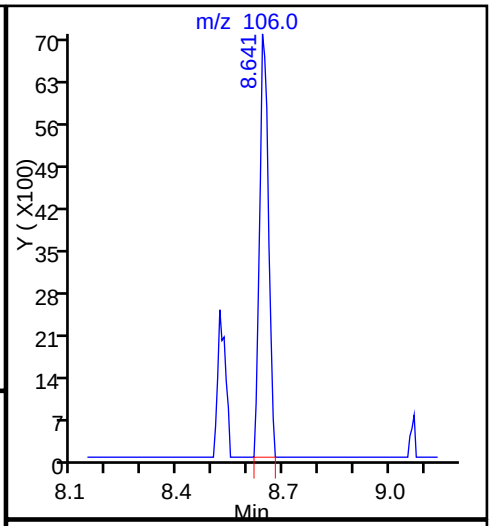
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6472.D

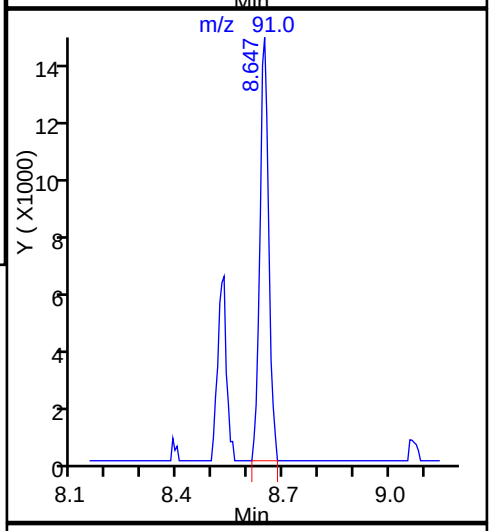
Injection Date:	22-Dec-2015 18:16:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-28-C	Lab Sample ID:	480-92332-28		
Client ID:	B31-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

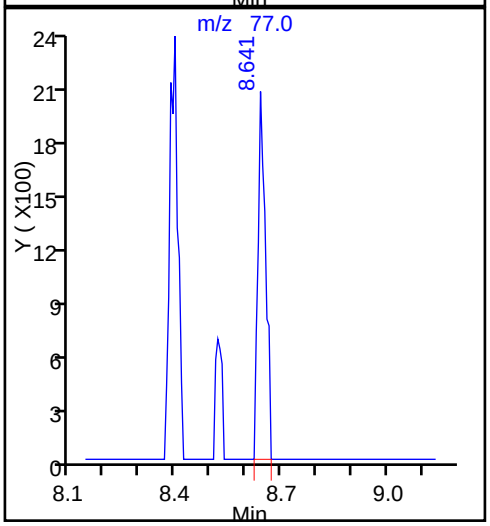
90 m-Xylene & p-Xylene, CAS: 179601-23-1











FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B31-AREA2-S2 | Lab Sample ID: 480-92332-29

Matrix: Solid | Lab File ID: P2438.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:35

Sample wt/vol: 1(g) | Date Analyzed: 12/17/2015 04:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.6 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		32	2.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	32	5.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		32	7.3
79-00-5	1,1,2-Trichloroethane	ND		32	4.1
75-34-3	1,1-Dichloroethane	550		32	3.9
75-35-4	1,1-Dichloroethene	ND		32	3.9
120-82-1	1,2,4-Trichlorobenzene	ND	*	32	1.9
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	32	16
106-93-4	1,2-Dibromoethane	ND		32	4.1
95-50-1	1,2-Dichlorobenzene	ND	*	32	2.5
107-06-2	1,2-Dichloroethane	ND		32	1.6
78-87-5	1,2-Dichloropropane	ND		32	16
541-73-1	1,3-Dichlorobenzene	ND	*	32	1.6
106-46-7	1,4-Dichlorobenzene	ND	*	32	4.5
78-93-3	2-Butanone (MEK)	ND		160	12
591-78-6	2-Hexanone	ND		160	16
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		160	10
67-64-1	Acetone	ND		160	27
71-43-2	Benzene	ND		32	1.6
75-27-4	Bromodichloromethane	ND		32	4.3
75-25-2	Bromoform	ND		32	16
74-83-9	Bromomethane	ND		32	2.9
75-15-0	Carbon disulfide	ND		32	16
56-23-5	Carbon tetrachloride	ND		32	3.1
108-90-7	Chlorobenzene	ND		32	4.2
75-00-3	Chloroethane	ND		32	7.2
67-66-3	Chloroform	ND		32	2.0
74-87-3	Chloromethane	ND		32	1.9
156-59-2	cis-1,2-Dichloroethene	25	J	32	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		32	4.6
110-82-7	Cyclohexane	ND		32	4.5
124-48-1	Dibromochloromethane	ND		32	4.1
75-71-8	Dichlorodifluoromethane	ND		32	2.6
100-41-4	Ethylbenzene	2.8	J	32	2.2
98-82-8	Isopropylbenzene	ND	*	32	4.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B31-AREA2-S2 | Lab Sample ID: 480-92332-29

Matrix: Solid | Lab File ID: P2438.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:35

Sample wt/vol: 1(g) | Date Analyzed: 12/17/2015 04:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.6 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		32	19
1634-04-4	Methyl tert-butyl ether	ND		32	3.1
108-87-2	Methylcyclohexane	ND		32	4.8
75-09-2	Methylene Chloride	ND		32	15
100-42-5	Styrene	ND		32	1.6
127-18-4	Tetrachloroethene	400		32	4.3
108-88-3	Toluene	11	J	32	2.4
156-60-5	trans-1,2-Dichloroethene	ND		32	3.3
10061-02-6	trans-1,3-Dichloropropene	ND		32	14
79-01-6	Trichloroethene	14	J	32	7.0
75-69-4	Trichlorofluoromethane	ND		32	3.0
75-01-4	Vinyl chloride	ND		32	3.9
1330-20-7	Xylenes, Total	6.2	J	64	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	68	X	72-126
2037-26-5	Toluene-d8 (Surr)	112		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D
Lims ID: 480-92332-A-29-B Lab Sample ID: 480-92332-29
Client ID: B31-AREA2-S2
Sample Type: Client
Inject. Date: 17-Dec-2015 04:50:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-29-B
Misc. Info.: 480-0049318-019
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 08:52:14 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 08:52:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	297785	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	490848	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	97	254292	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.535	0.000	0	245391	53.3	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1201378	55.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	90	254145	34.0	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.420	6.396	0.024	82	12686	3.72	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.780				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	1594292	85.6	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.537	8.520	0.017	84	35978	3.96	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.356	10.351	0.005	93	19063	2.14	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	98	30299	1.74	
78 trans-1,3-Dichloropropene	75		12.231				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	92	424931	63.5	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	13.952	13.946	0.006	96	13149	0.4352	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	98	12431	0.9708	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.504				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1				0		0.9708	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

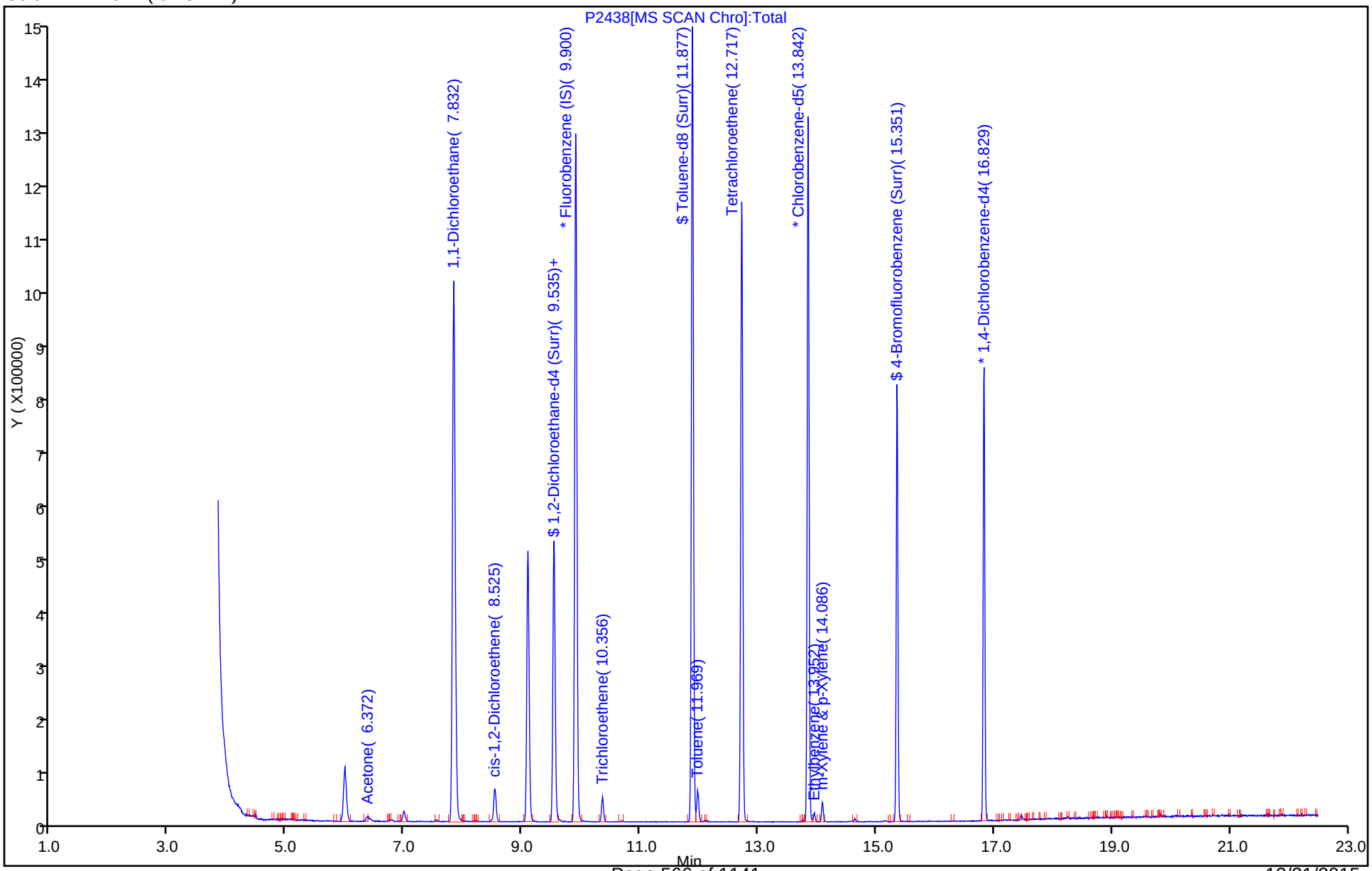
Report Date: 17-Dec-2015 08:52:15 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D

Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29	Worklist Smp#:	19
Client ID:	B31-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

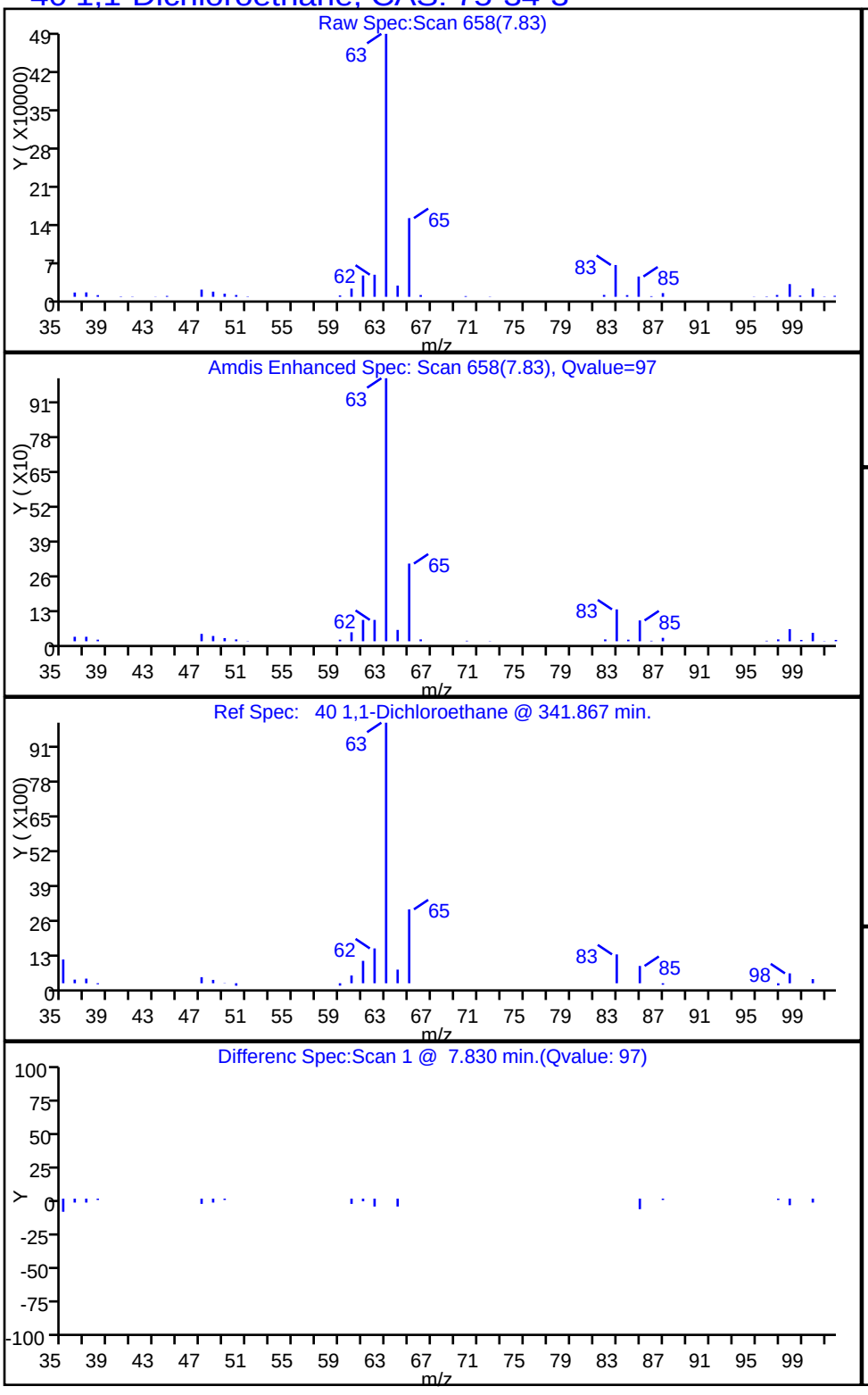


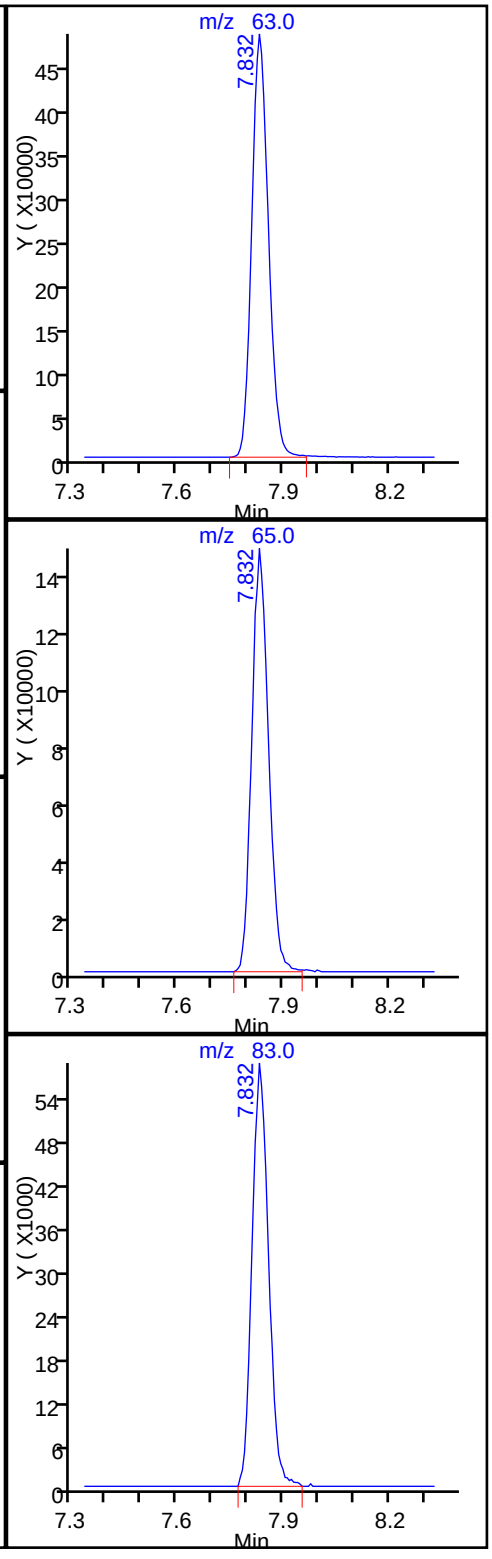
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D

Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29		
Client ID:	B31-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

40 1,1-Dichloroethane, CAS: 75-34-3



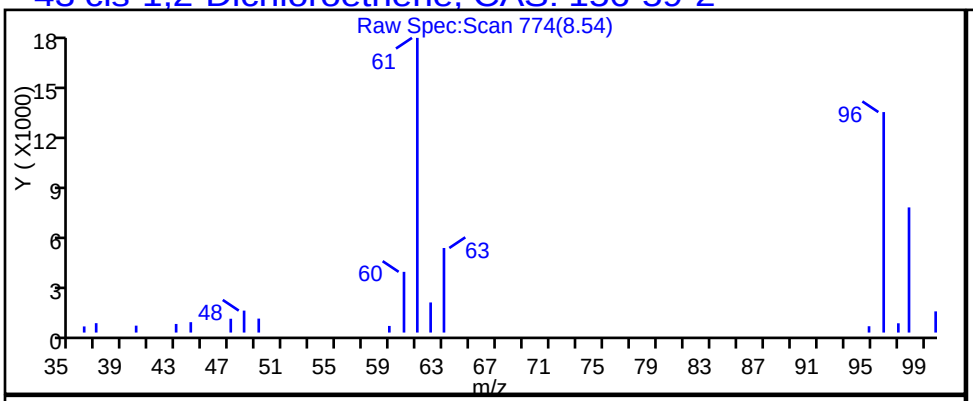


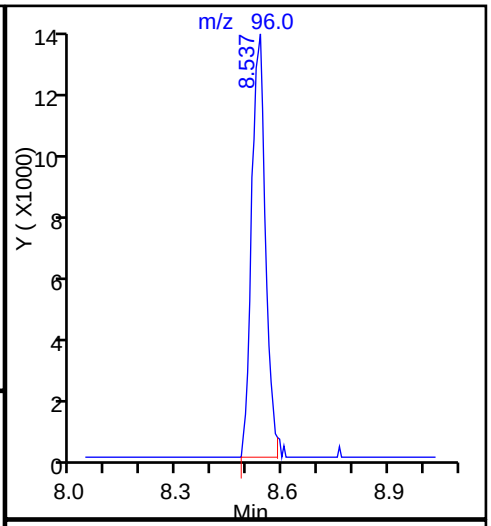
TestAmerica Buffalo

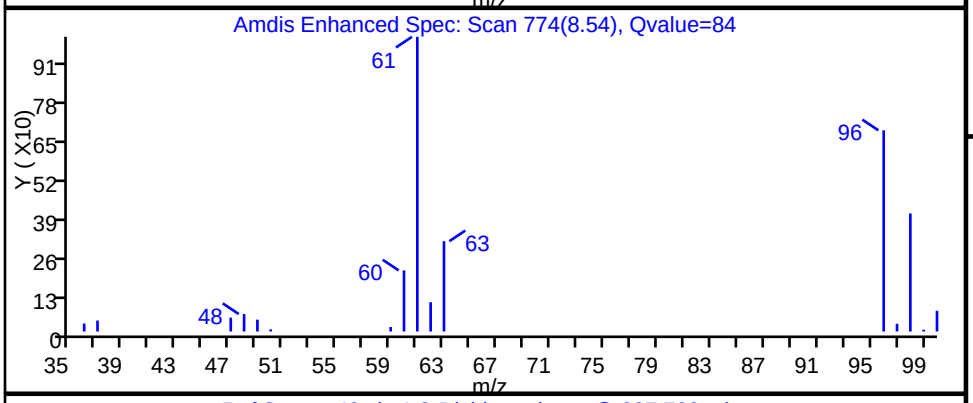
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D

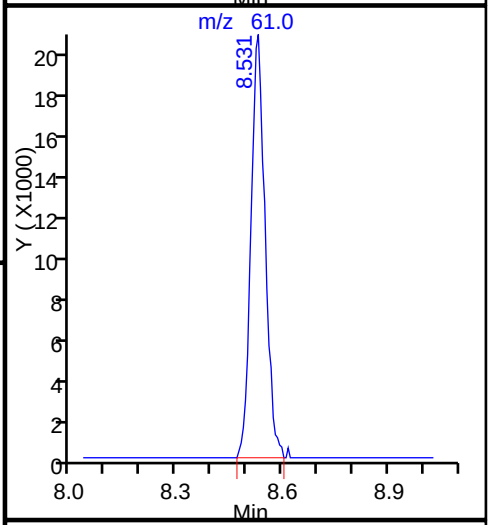
Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29		
Client ID:	B31-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

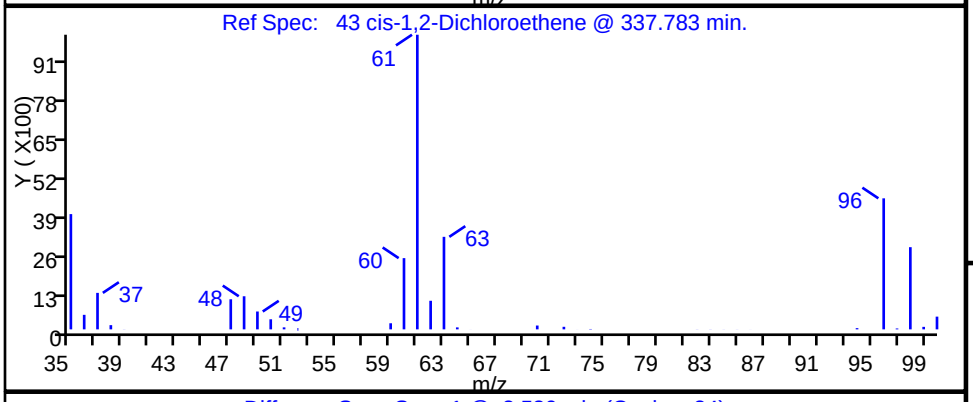
43 cis-1,2-Dichloroethene, CAS: 156-59-2

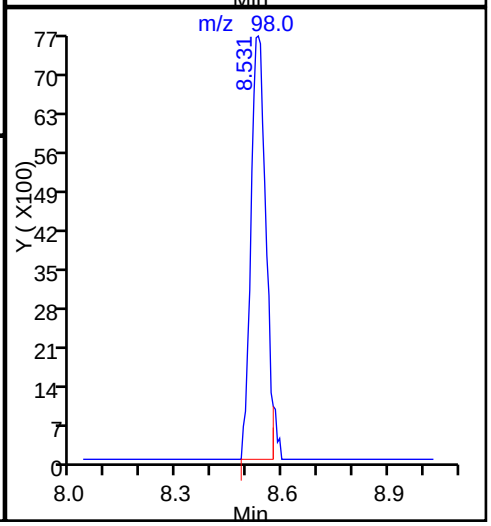


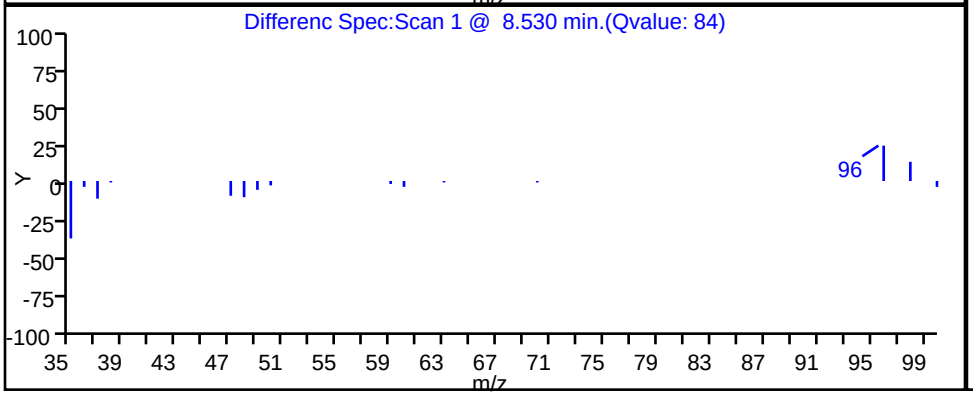












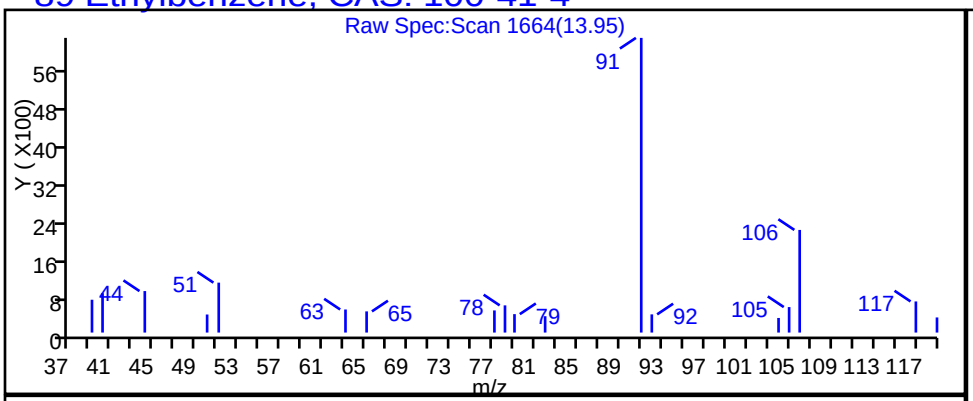
Report Date: 17-Dec-2015 08:52:15 Chrom Revision: 2.2 02-Dec-2015 11:51:48

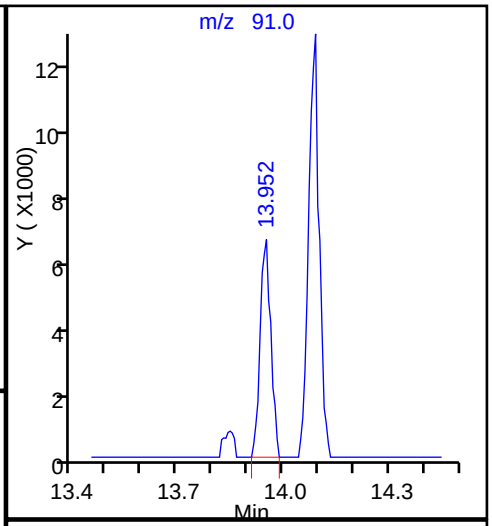
TestAmerica Buffalo

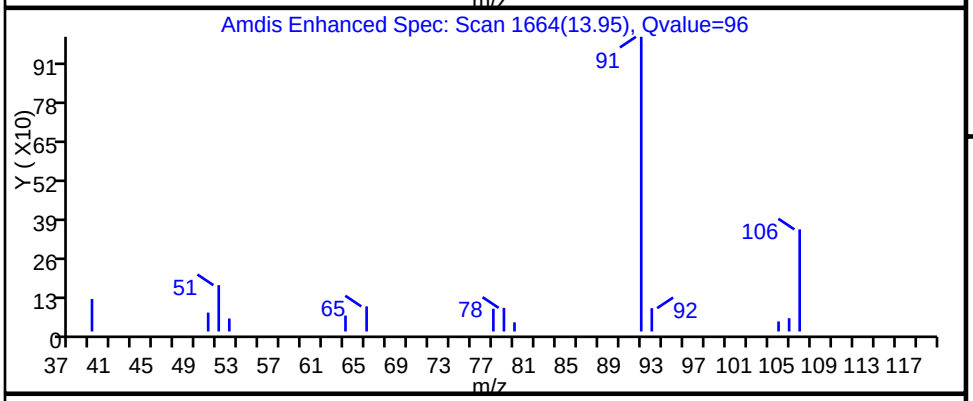
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D

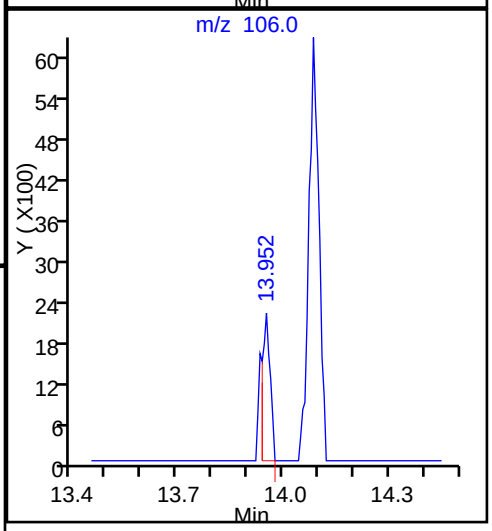
Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29		
Client ID:	B31-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

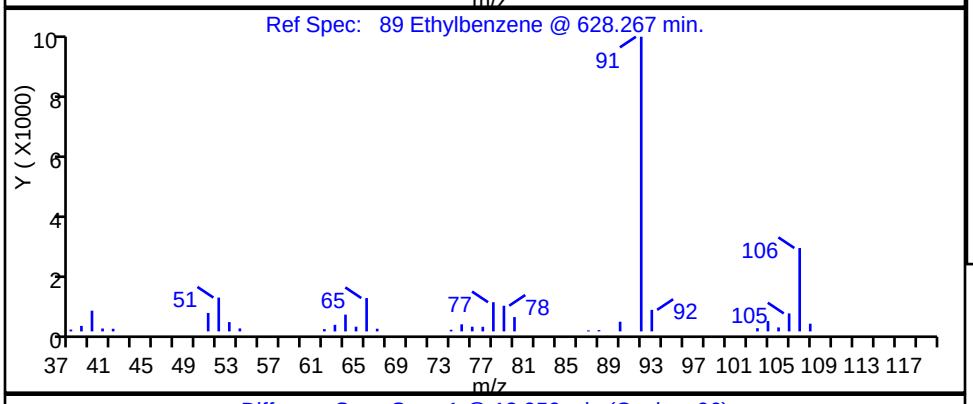
89 Ethylbenzene, CAS: 100-41-4

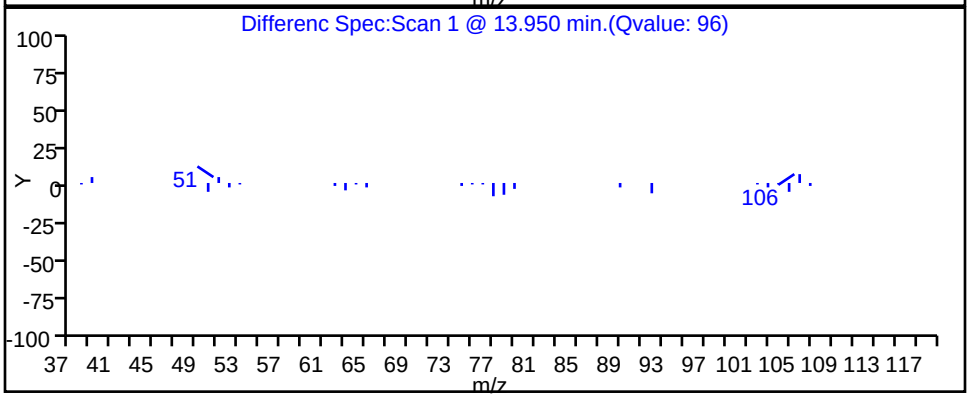












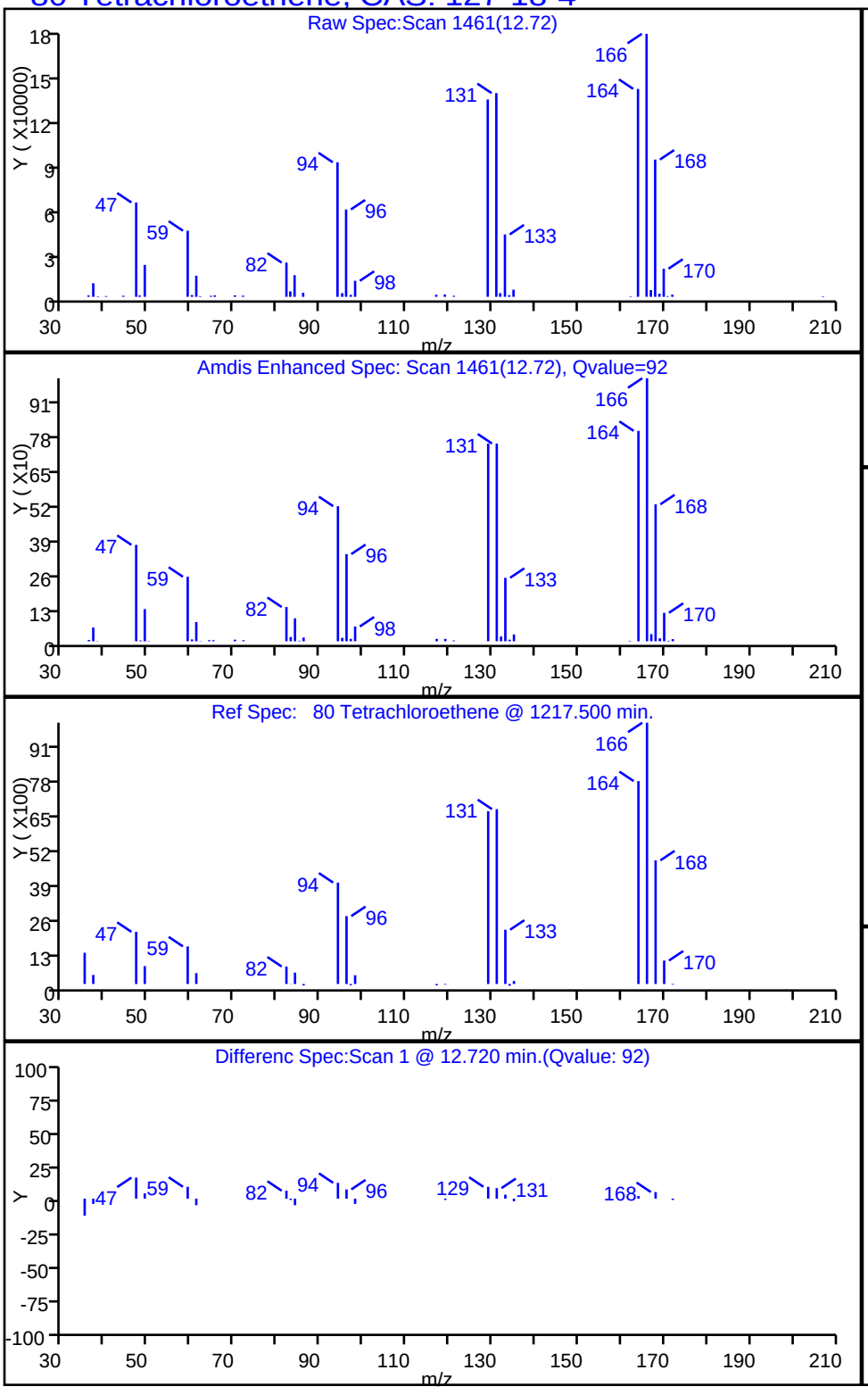
Report Date: 17-Dec-2015 08:52:15 Chrom Revision: 2.2 02-Dec-2015 11:51:48

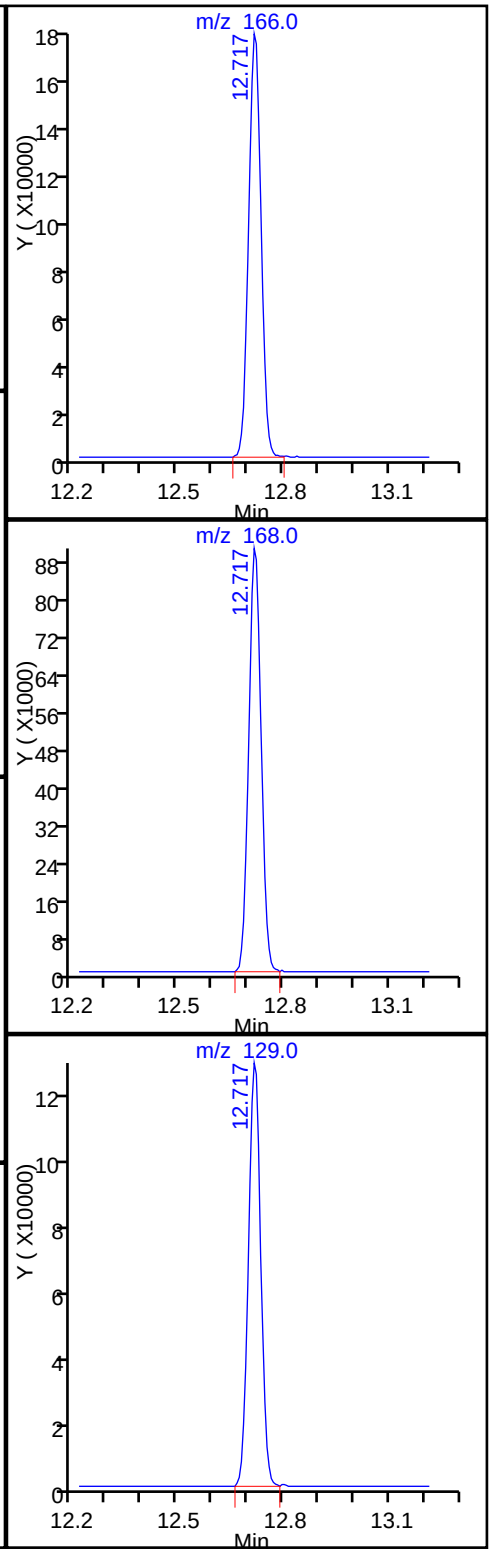
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D

Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29		
Client ID:	B31-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

80 Tetrachloroethene, CAS: 127-18-4



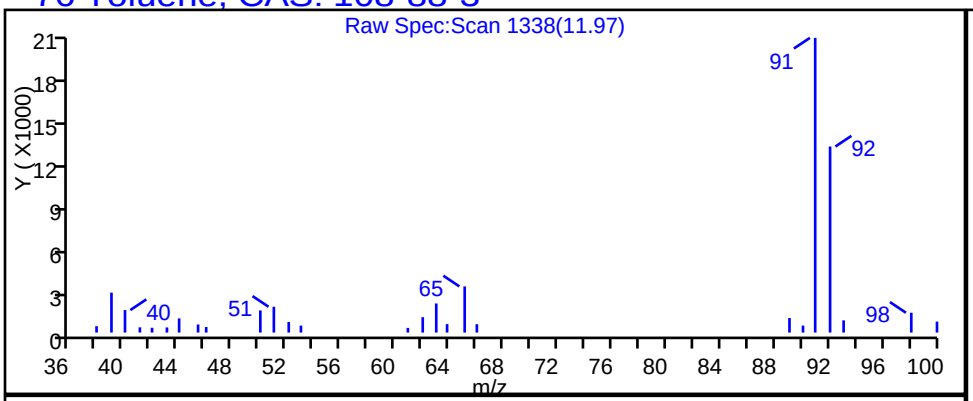


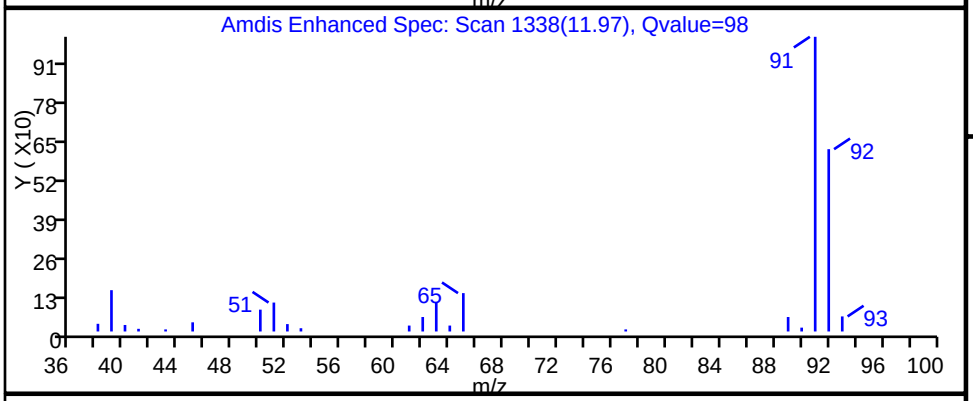
TestAmerica Buffalo

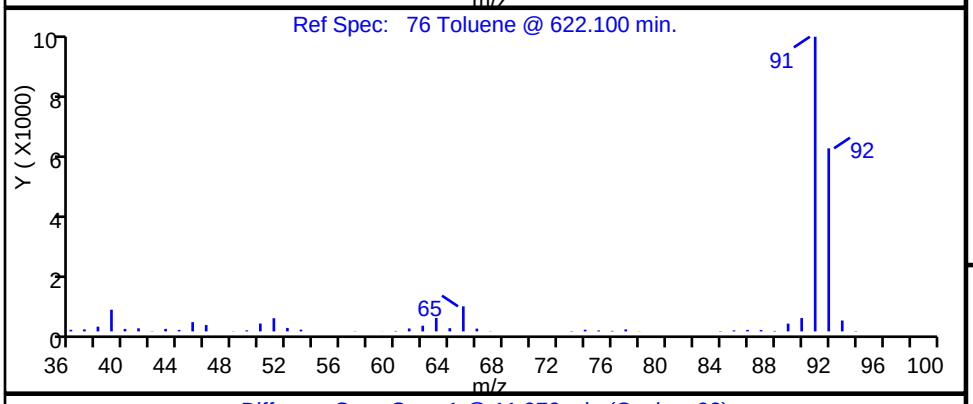
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D

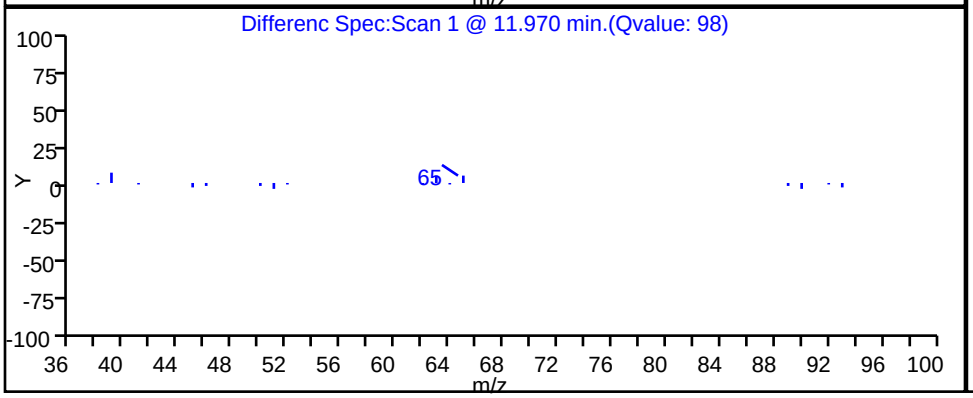
Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29		
Client ID:	B31-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

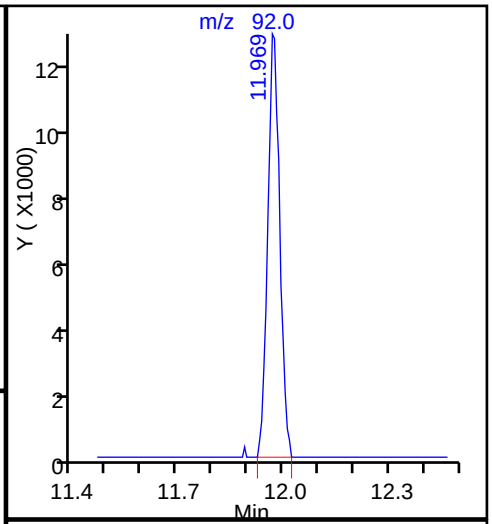
76 Toluene, CAS: 108-88-3

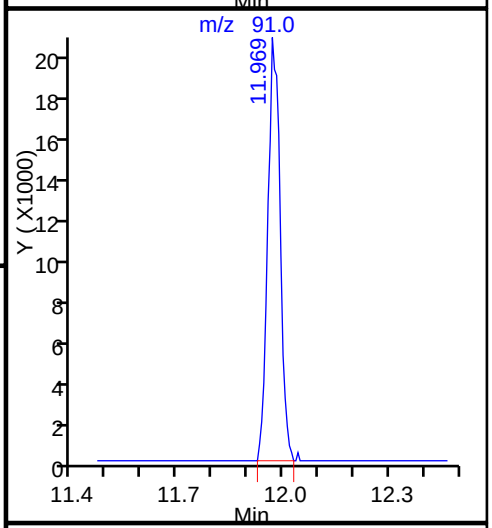


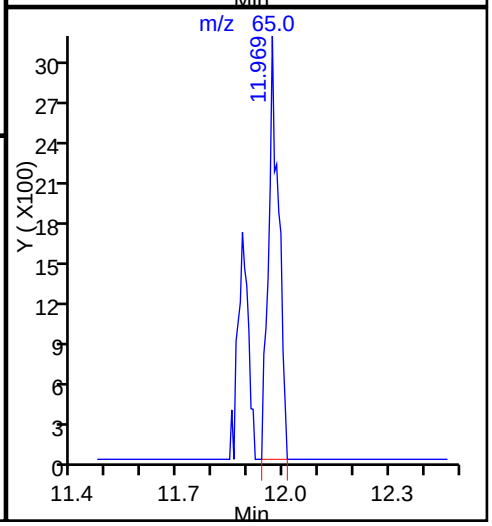












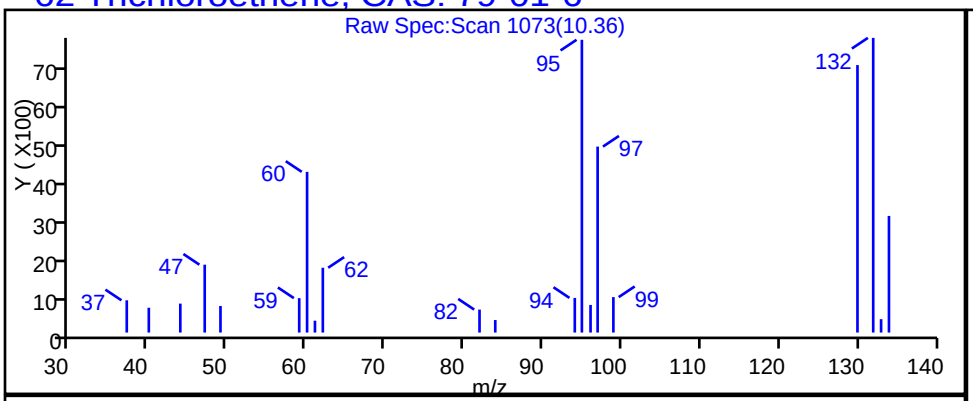
Report Date: 17-Dec-2015 08:52:15 Chrom Revision: 2.2 02-Dec-2015 11:51:48

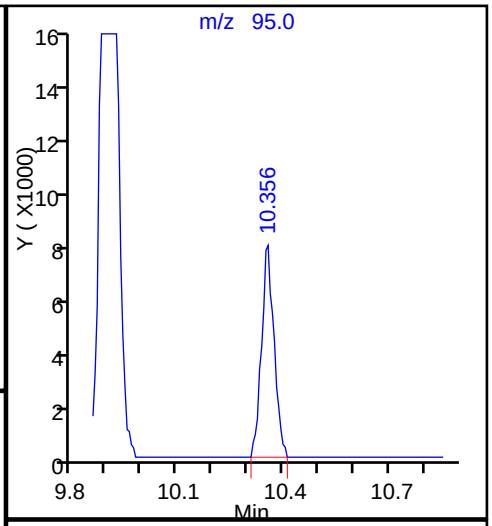
TestAmerica Buffalo

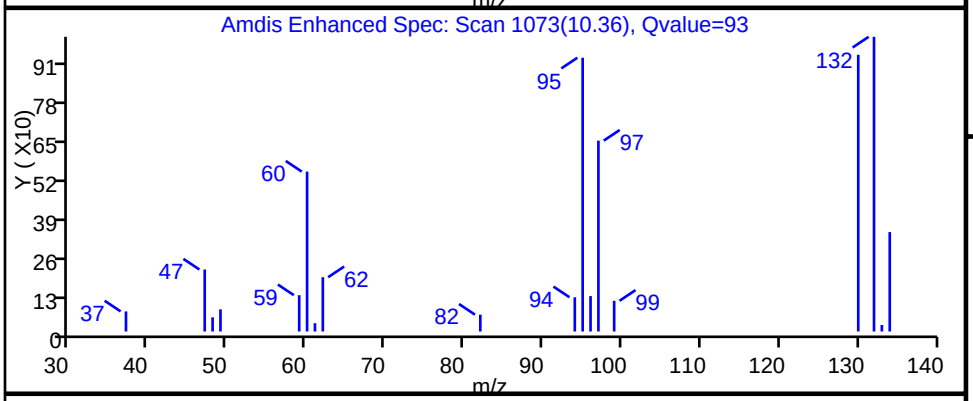
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D

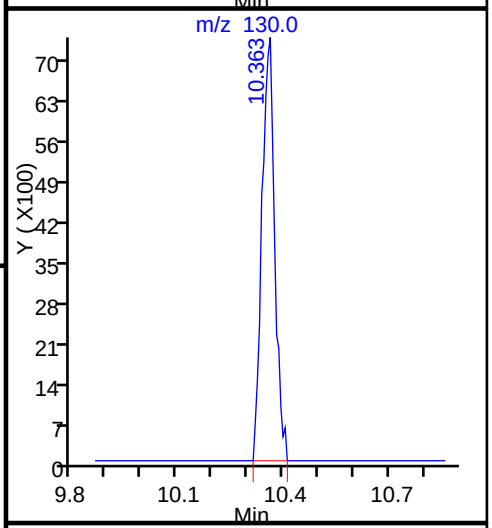
Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29		
Client ID:	B31-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

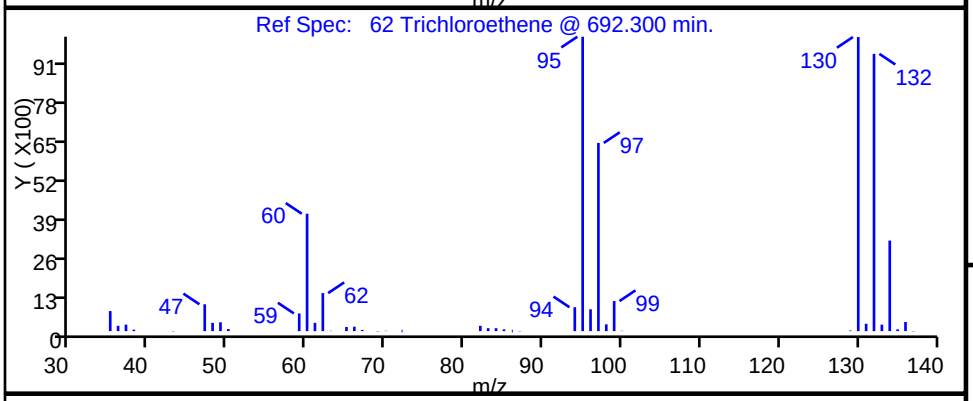
62 Trichloroethene, CAS: 79-01-6

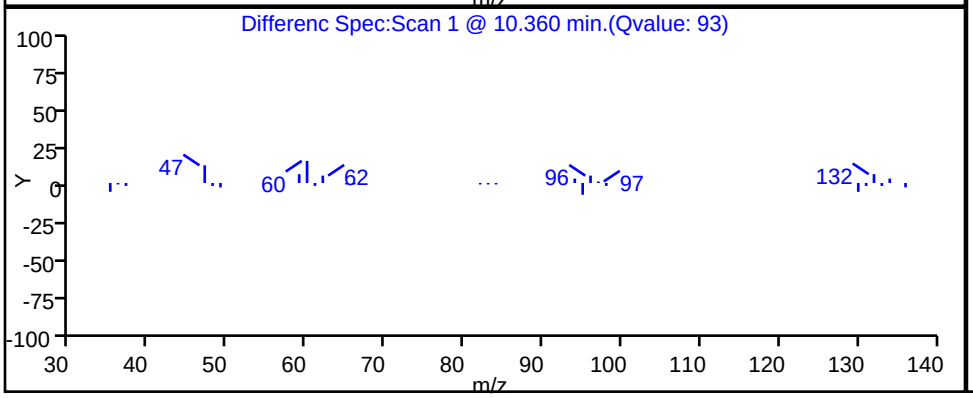


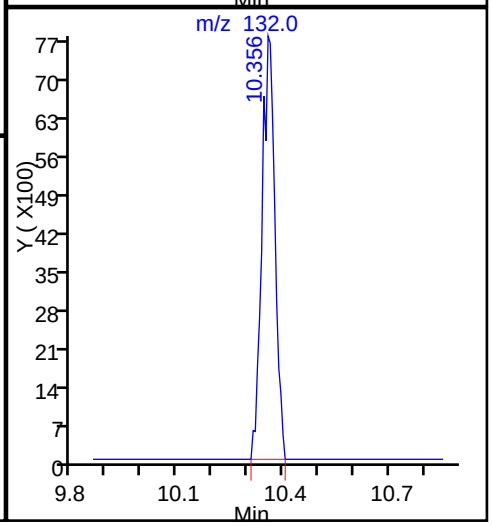








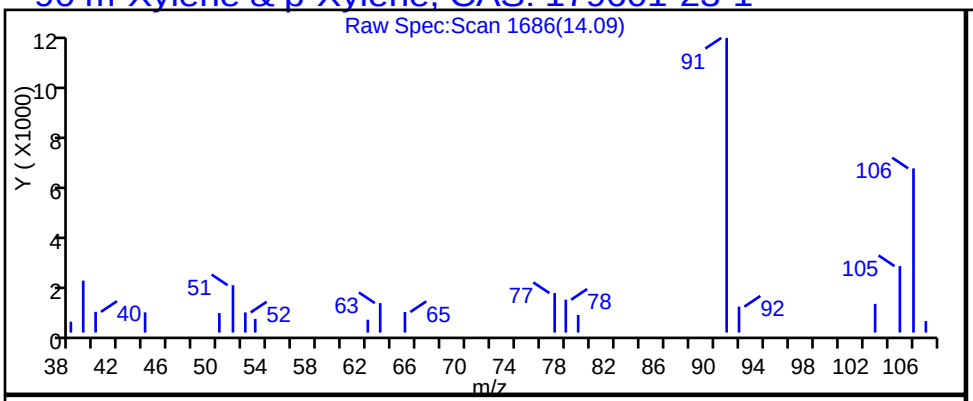


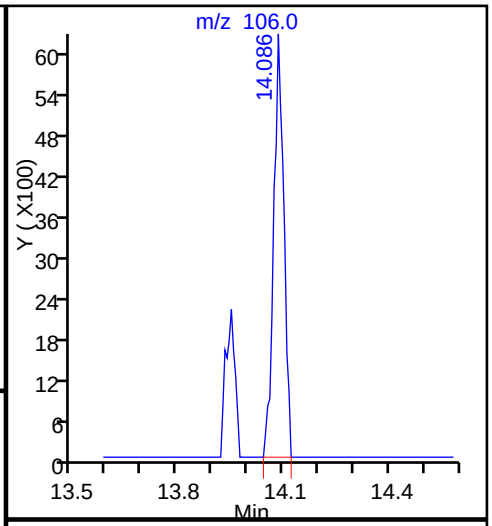


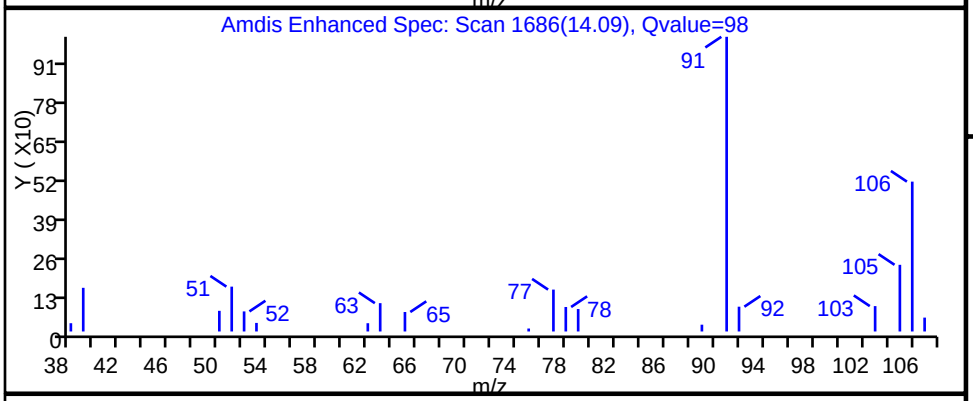
TestAmerica Buffalo

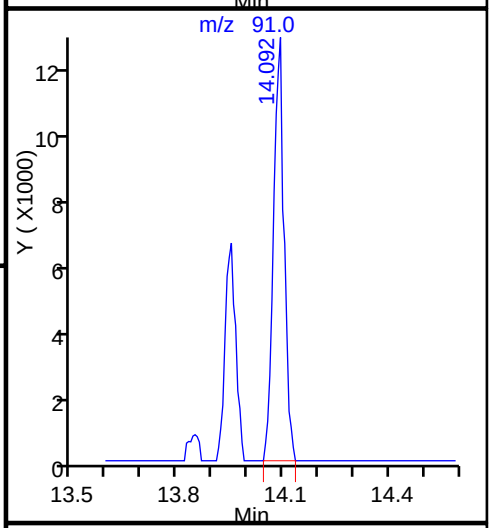
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2438.D				
Injection Date:	17-Dec-2015 04:50:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-29-B	Lab Sample ID:	480-92332-29		
Client ID:	B31-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

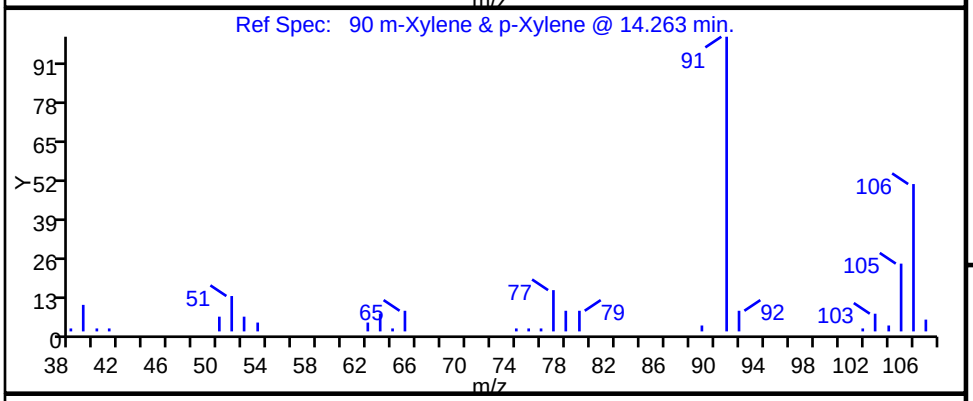
90 m-Xylene & p-Xylene, CAS: 179601-23-1

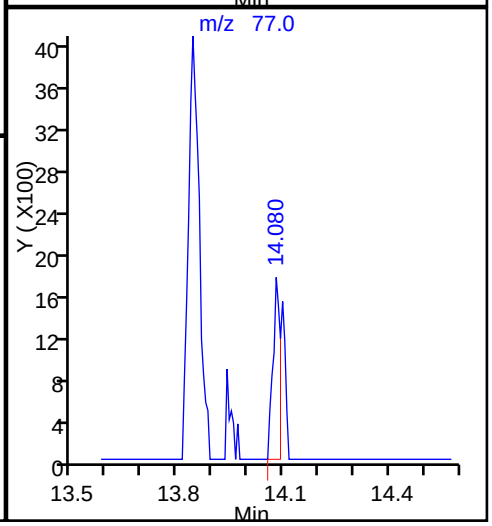


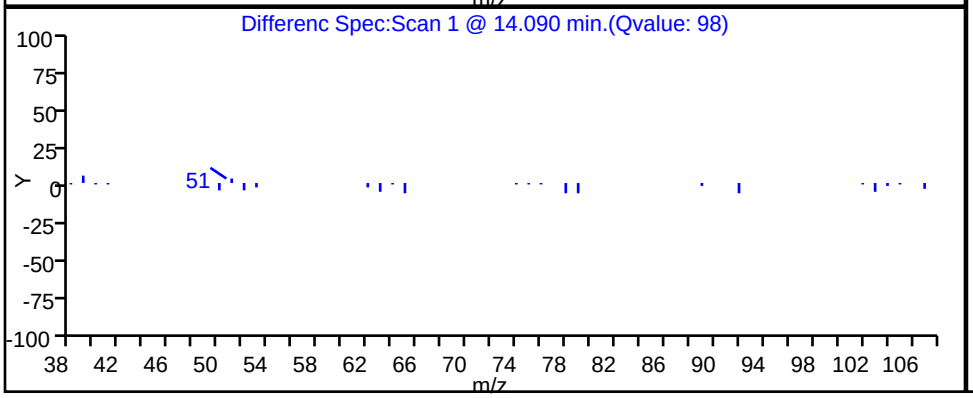












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B35-AREA2-S1 | Lab Sample ID: 480-92332-30

Matrix: Solid | Lab File ID: S6461.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:50

Sample wt/vol: 5.05(g) | Date Analyzed: 12/22/2015 14:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1100	300
79-34-5	1,1,2,2-Tetrachloroethane	ND		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100	550
79-00-5	1,1,2-Trichloroethane	ND		1100	230
75-34-3	1,1-Dichloroethane	ND		1100	340
75-35-4	1,1-Dichloroethene	ND		1100	380
120-82-1	1,2,4-Trichlorobenzene	ND		1100	420
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1100	550
106-93-4	1,2-Dibromoethane	ND		1100	190
95-50-1	1,2-Dichlorobenzene	ND		1100	280
107-06-2	1,2-Dichloroethane	ND		1100	450
78-87-5	1,2-Dichloropropane	ND		1100	180
541-73-1	1,3-Dichlorobenzene	ND		1100	290
106-46-7	1,4-Dichlorobenzene	ND		1100	150
78-93-3	2-Butanone (MEK)	ND		5500	3300
591-78-6	2-Hexanone	ND		5500	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5500	350
67-64-1	Acetone	ND		5500	4500
71-43-2	Benzene	ND		1100	210
75-27-4	Bromodichloromethane	ND		1100	220
75-25-2	Bromoform	ND		1100	550
74-83-9	Bromomethane	ND		1100	240
75-15-0	Carbon disulfide	ND		1100	500
56-23-5	Carbon tetrachloride	ND		1100	280
108-90-7	Chlorobenzene	ND		1100	140
75-00-3	Chloroethane	ND		1100	230
67-66-3	Chloroform	ND		1100	750
74-87-3	Chloromethane	ND		1100	260
156-59-2	cis-1,2-Dichloroethene	ND		1100	300
10061-01-5	cis-1,3-Dichloropropene	ND		1100	260
110-82-7	Cyclohexane	ND		1100	240
124-48-1	Dibromochloromethane	ND		1100	530
75-71-8	Dichlorodifluoromethane	ND		1100	480
100-41-4	Ethylbenzene	400	J	1100	320
98-82-8	Isopropylbenzene	ND		1100	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B35-AREA2-S1 | Lab Sample ID: 480-92332-30

Matrix: Solid | Lab File ID: S6461.D

Analysis Method: 8260C | Date Collected: 12/08/2015 09:50

Sample wt/vol: 5.05(g) | Date Analyzed: 12/22/2015 14:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1100	520
1634-04-4	Methyl tert-butyl ether	ND		1100	420
108-87-2	Methylcyclohexane	ND		1100	510
75-09-2	Methylene Chloride	ND		1100	220
100-42-5	Styrene	ND		1100	260
127-18-4	Tetrachloroethene	45000		1100	150
108-88-3	Toluene	ND		1100	290
156-60-5	trans-1,2-Dichloroethene	ND		1100	260
10061-02-6	trans-1,3-Dichloropropene	ND		1100	110
79-01-6	Trichloroethene	2500		1100	310
75-69-4	Trichlorofluoromethane	ND		1100	520
75-01-4	Vinyl chloride	ND		1100	370
1330-20-7	Xylenes, Total	ND		2200	610

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		53-146
460-00-4	4-Bromofluorobenzene (Surr)	94		49-148
2037-26-5	Toluene-d8 (Surr)	100		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6461.D
Lims ID: 480-92332-A-30-B Lab Sample ID: 480-92332-30
Client ID: B35-AREA2-S1
Sample Type: Client
Inject. Date: 22-Dec-2015 14:05:30 ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-30-B
Misc. Info.: 480-0049479-010
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 18:49:22 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: goliszekg Date: 22-Dec-2015 16:57:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	119844	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	235468	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	96	220784	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	89771	24.2	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	95	565682	27.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	169710	25.5	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.401				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.815				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.734				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.141				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63	3.792	3.786	0.006	1	3040	0.2513	
45 cis-1,2-Dichloroethene	96		4.340				ND	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.137				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.751	-0.006	80	12909	2.27	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	253199	41.1	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.941				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91	8.519	8.525	-0.006	15	8527	0.3686	
90 m-Xylene & p-Xylene	106	8.653	8.647	0.006	0	1963	0.2000	
91 o-Xylene	106		9.073				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.334				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		0.2000	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

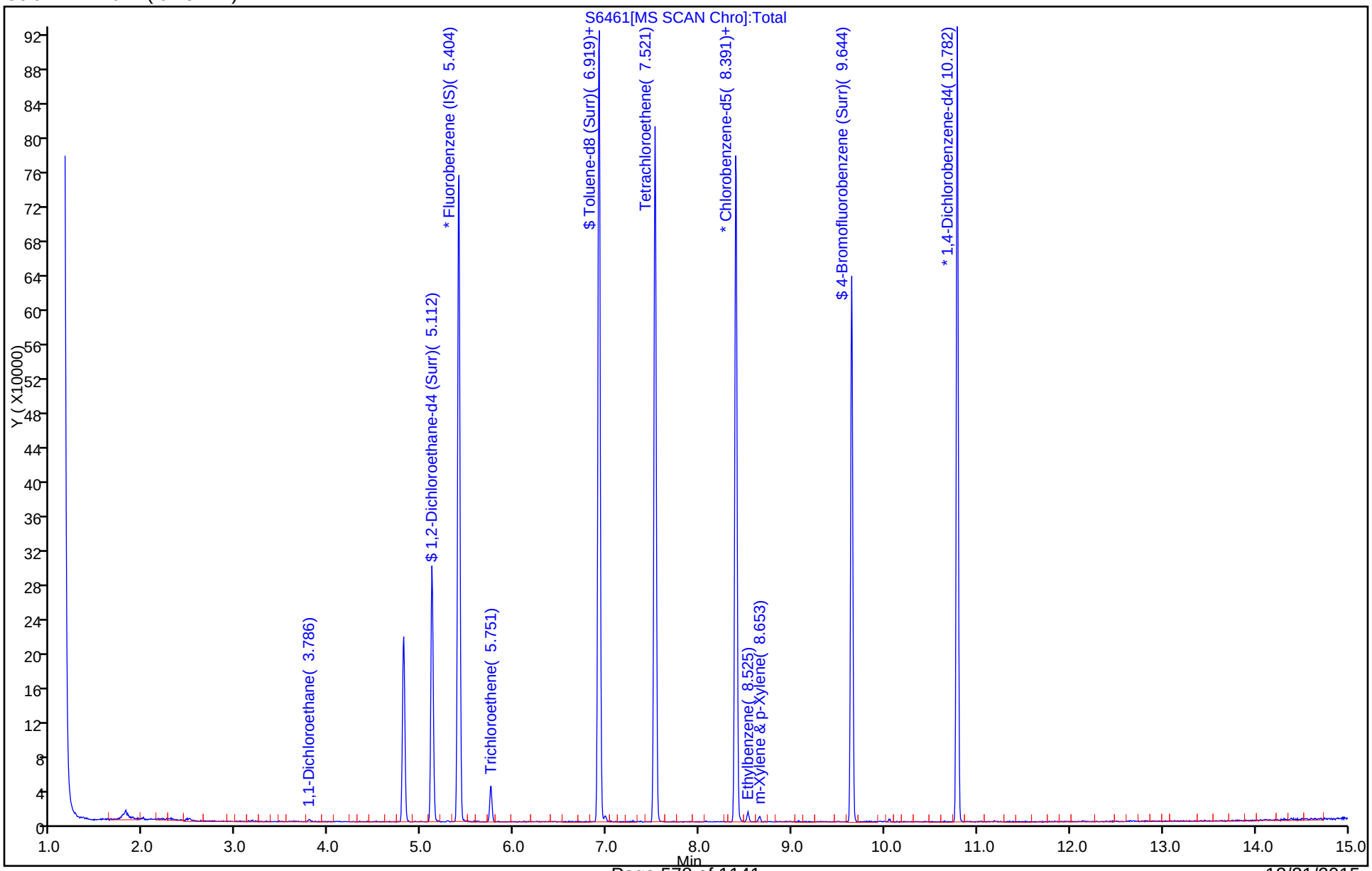
Report Date: 23-Dec-2015 12:14:37 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6461.D

Injection Date:	22-Dec-2015 14:05:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92332-A-30-B	Lab Sample ID:	480-92332-30	Worklist Smp#:	10
Client ID:	B35-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

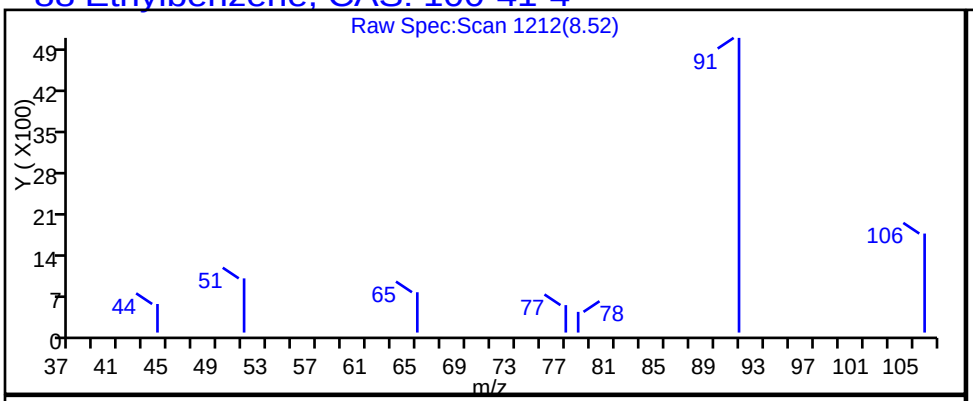


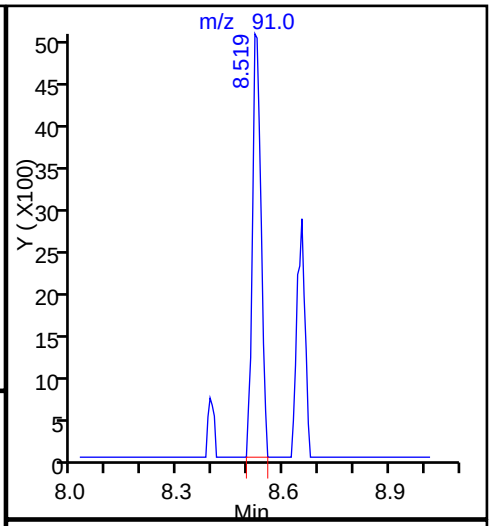
TestAmerica Buffalo

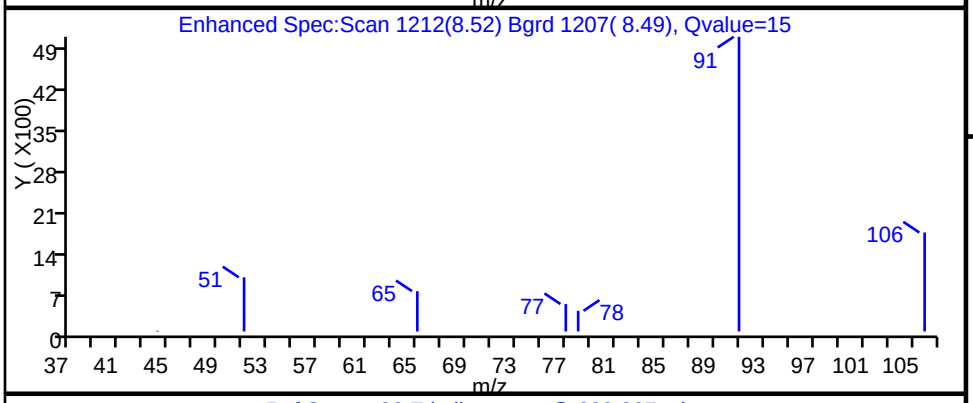
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6461.D

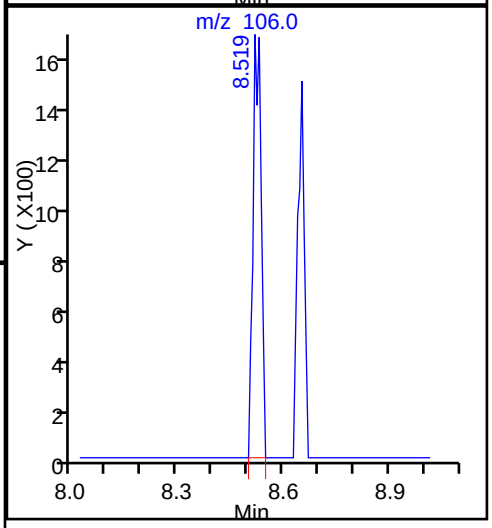
Injection Date:	22-Dec-2015 14:05:30	Instrument ID:	HP5973S		
Lims ID:	480-92332-A-30-B	Lab Sample ID:	480-92332-30		
Client ID:	B35-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

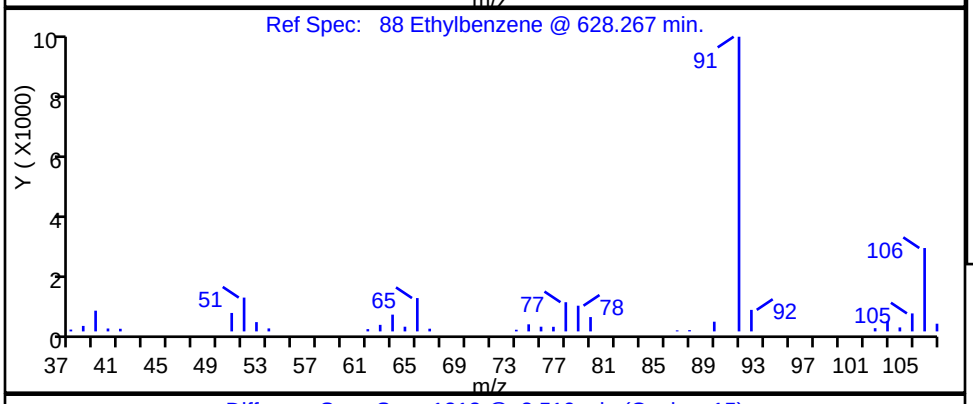
88 Ethylbenzene, CAS: 100-41-4

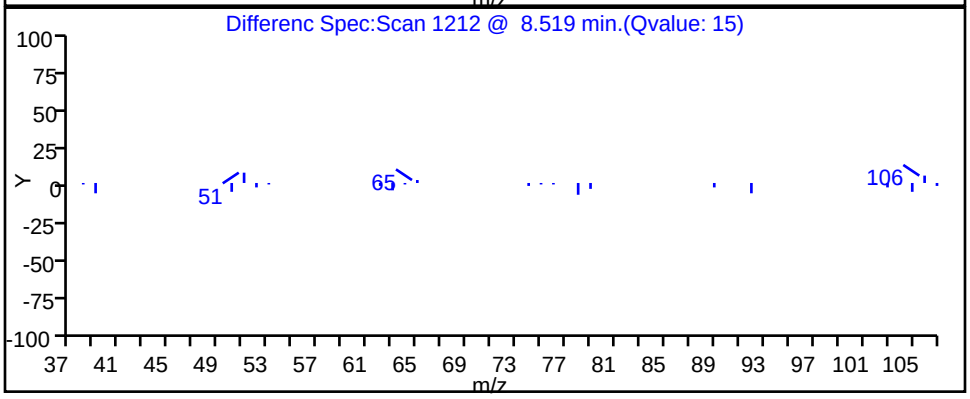










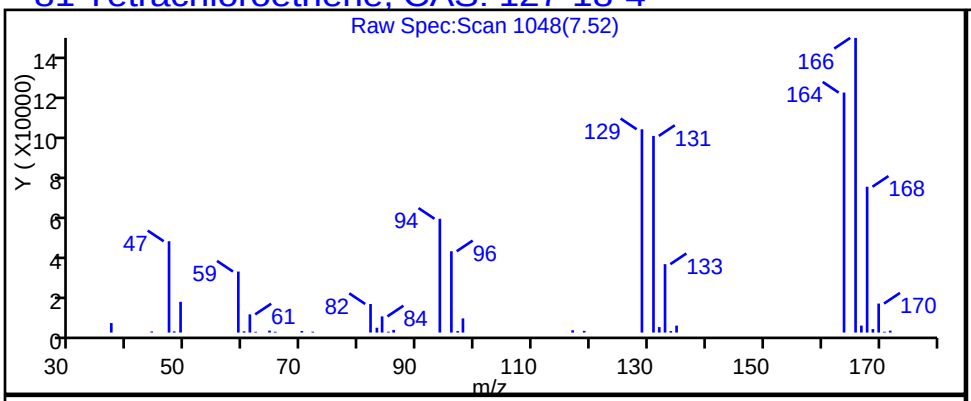


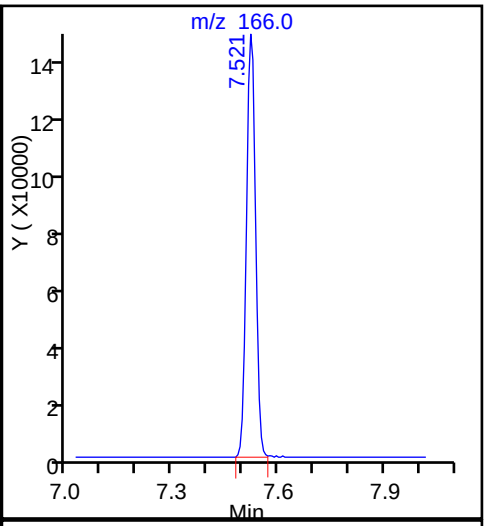
TestAmerica Buffalo

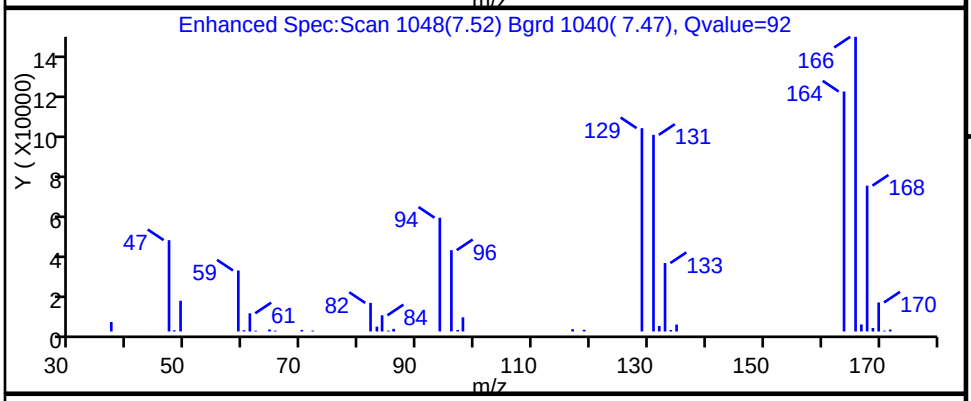
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6461.D

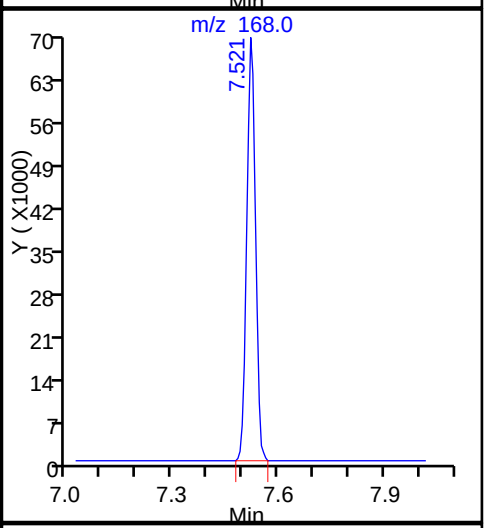
Injection Date:	22-Dec-2015 14:05:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-30-B	Lab Sample ID:	480-92332-30
Client ID:	B35-AREA2-S1		
Operator ID:	gtg	ALS Bottle#:	11 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

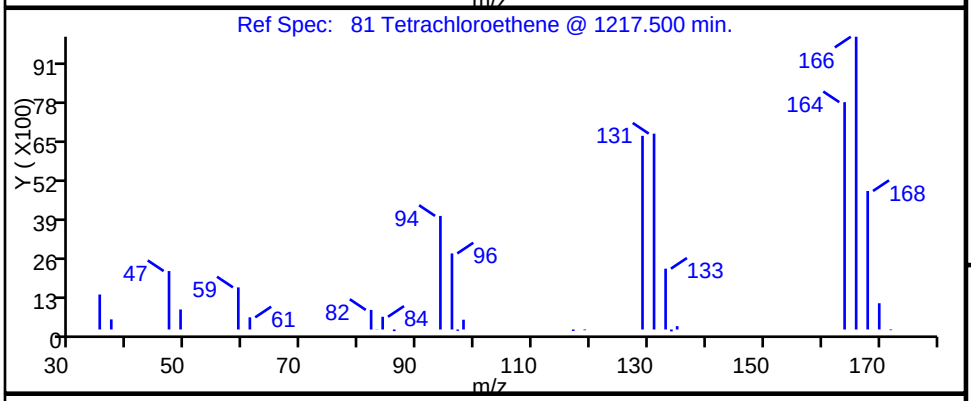
81 Tetrachloroethene, CAS: 127-18-4

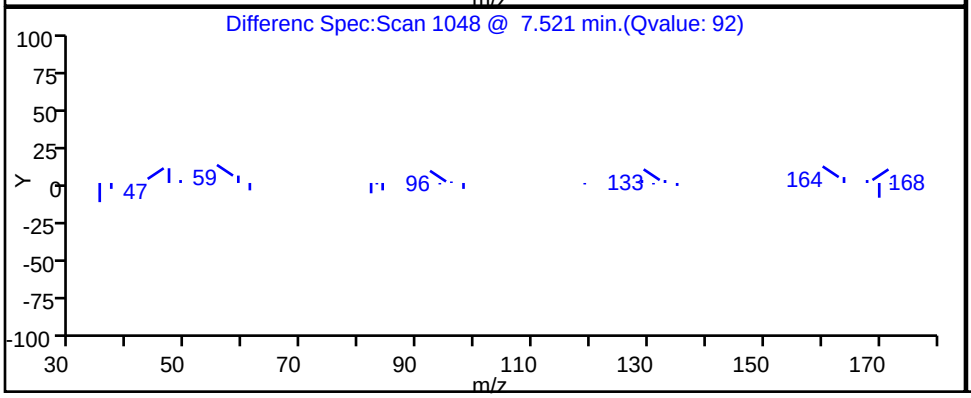


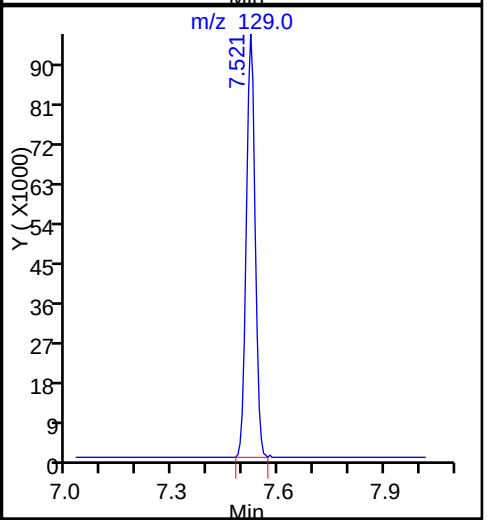










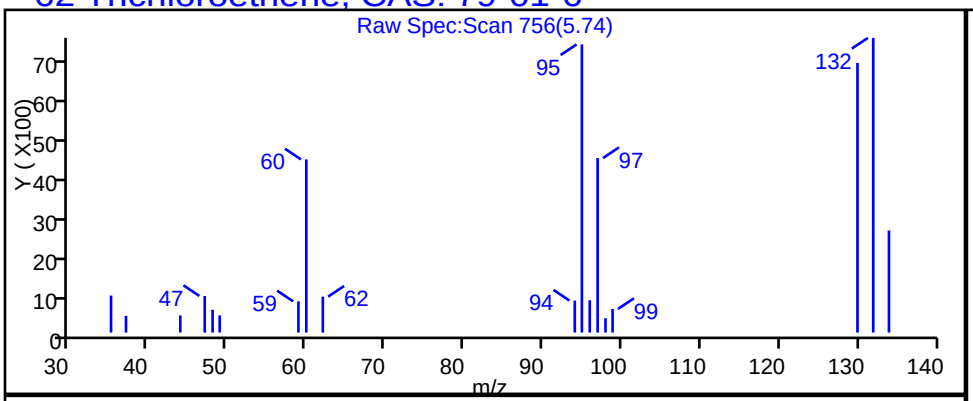


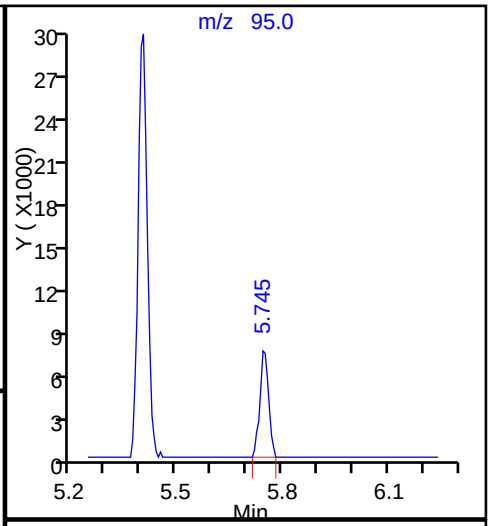
TestAmerica Buffalo

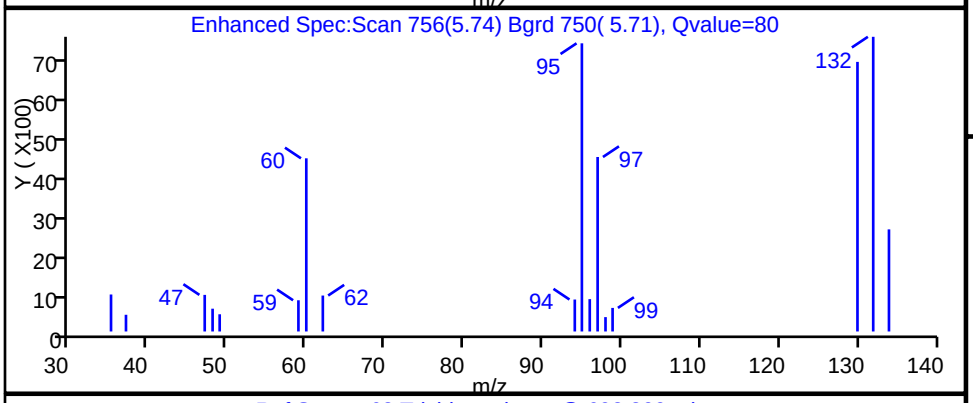
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6461.D

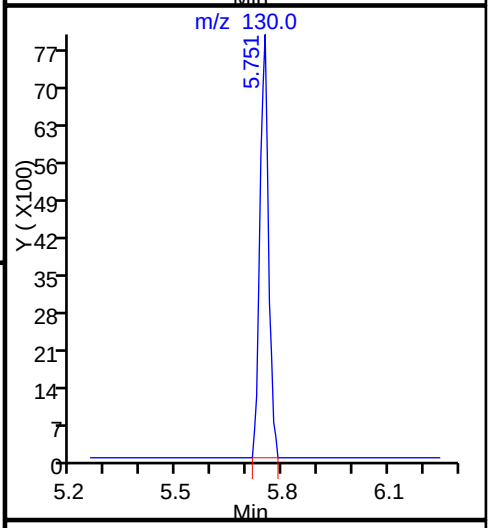
Injection Date:	22-Dec-2015 14:05:30	Instrument ID:	HP5973S
Lims ID:	480-92332-A-30-B	Lab Sample ID:	480-92332-30
Client ID:	B35-AREA2-S1		
Operator ID:	gtg	ALS Bottle#:	11 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

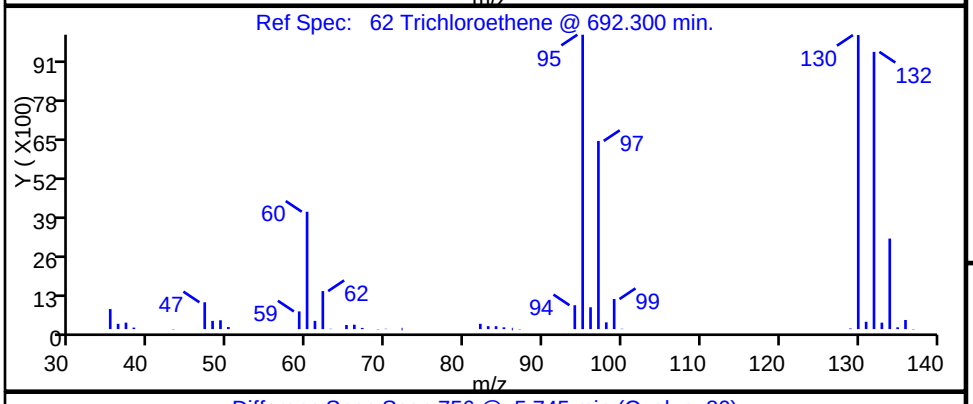
62 Trichloroethene, CAS: 79-01-6

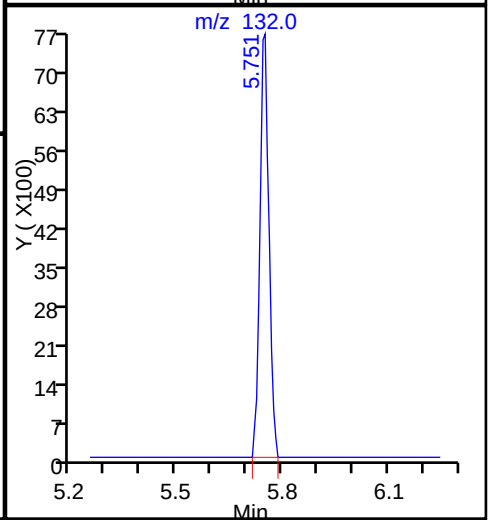


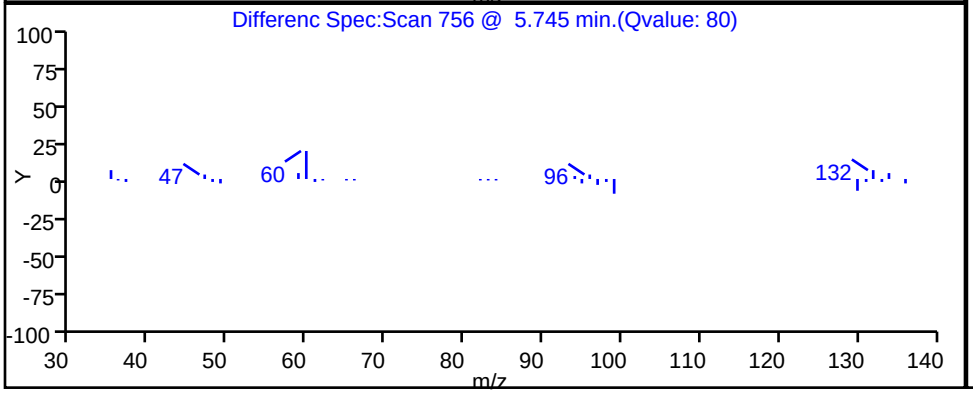












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B35-AREA2-S2 | Lab Sample ID: 480-92332-31

Matrix: Solid | Lab File ID: P2439.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:00

Sample wt/vol: 5.07(g) | Date Analyzed: 12/17/2015 05:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*	5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.3	0.69
75-34-3	1,1-Dichloroethane	2.1	J *	5.3	0.64
75-35-4	1,1-Dichloroethene	ND	*	5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.41
107-06-2	1,2-Dichloroethane	ND	*	5.3	0.26
78-87-5	1,2-Dichloropropane	ND	*	5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND	*	26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	7.1	J B *	26	4.4
71-43-2	Benzene	ND	*	5.3	0.26
75-27-4	Bromodichloromethane	ND	*	5.3	0.71
75-25-2	Bromoform	ND	*	5.3	2.6
74-83-9	Bromomethane	ND	*	5.3	0.47
75-15-0	Carbon disulfide	ND	*	5.3	2.6
56-23-5	Carbon tetrachloride	ND	*	5.3	0.51
108-90-7	Chlorobenzene	ND	*	5.3	0.70
75-00-3	Chloroethane	ND	*	5.3	1.2
67-66-3	Chloroform	0.46	J *	5.3	0.33
74-87-3	Chloromethane	ND	*	5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND	*	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND	*	5.3	0.76
110-82-7	Cyclohexane	ND	*	5.3	0.74
124-48-1	Dibromochloromethane	ND	*	5.3	0.68
75-71-8	Dichlorodifluoromethane	ND	*	5.3	0.44
100-41-4	Ethylbenzene	ND	*	5.3	0.36
98-82-8	Isopropylbenzene	ND	*	5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B35-AREA2-S2 | Lab Sample ID: 480-92332-31

Matrix: Solid | Lab File ID: P2439.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:00

Sample wt/vol: 5.07(g) | Date Analyzed: 12/17/2015 05:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	*	5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND	*	5.3	0.52
108-87-2	Methylcyclohexane	ND	*	5.3	0.80
75-09-2	Methylene Chloride	11	*	5.3	2.4
100-42-5	Styrene	ND	*	5.3	0.26
127-18-4	Tetrachloroethene	2.7	J *	5.3	0.71
108-88-3	Toluene	1.8	J *	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND	*	5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.3	2.3
79-01-6	Trichloroethene	ND	*	5.3	1.2
75-69-4	Trichlorofluoromethane	ND	*	5.3	0.50
75-01-4	Vinyl chloride	ND	*	5.3	0.64
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	131	X *	64-126
460-00-4	4-Bromofluorobenzene (Surr)	21	X *	72-126
2037-26-5	Toluene-d8 (Surr)	87	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D
Lims ID: 480-92332-A-31-B Lab Sample ID: 480-92332-31
Client ID: B35-AREA2-S2
Sample Type: Client
Inject. Date: 17-Dec-2015 05:18:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-31-B
Misc. Info.: 480-0049318-020
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 09:05:00 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 09:15:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	133732	50.0	s
* 2 Chlorobenzene-d5	82	13.843	13.842	0.000	89	102362	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	44620	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	135033	65.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	193964	43.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	86	16069	10.3	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.253				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.372				ND	
24 Acetone	43	6.414	6.396	0.018	96	10292	6.72	M
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.755	6.780	-0.025	96	10874	0.7867	
31 Methylene Chloride	84	6.986	6.986	0.000	96	48635	10.5	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	95	16570	1.98	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.520				ND	
49 Chloroform	83	8.890	8.878	0.012	30	3173	0.4405	M
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
64 Methylcyclohexane	83		10.588				ND	
63 1,2-Dichloropropane	63		10.661				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	96	6179	1.70	
78 trans-1,3-Dichloropropene	75		12.231				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	90	3510	2.51	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.634				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.504				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.409				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

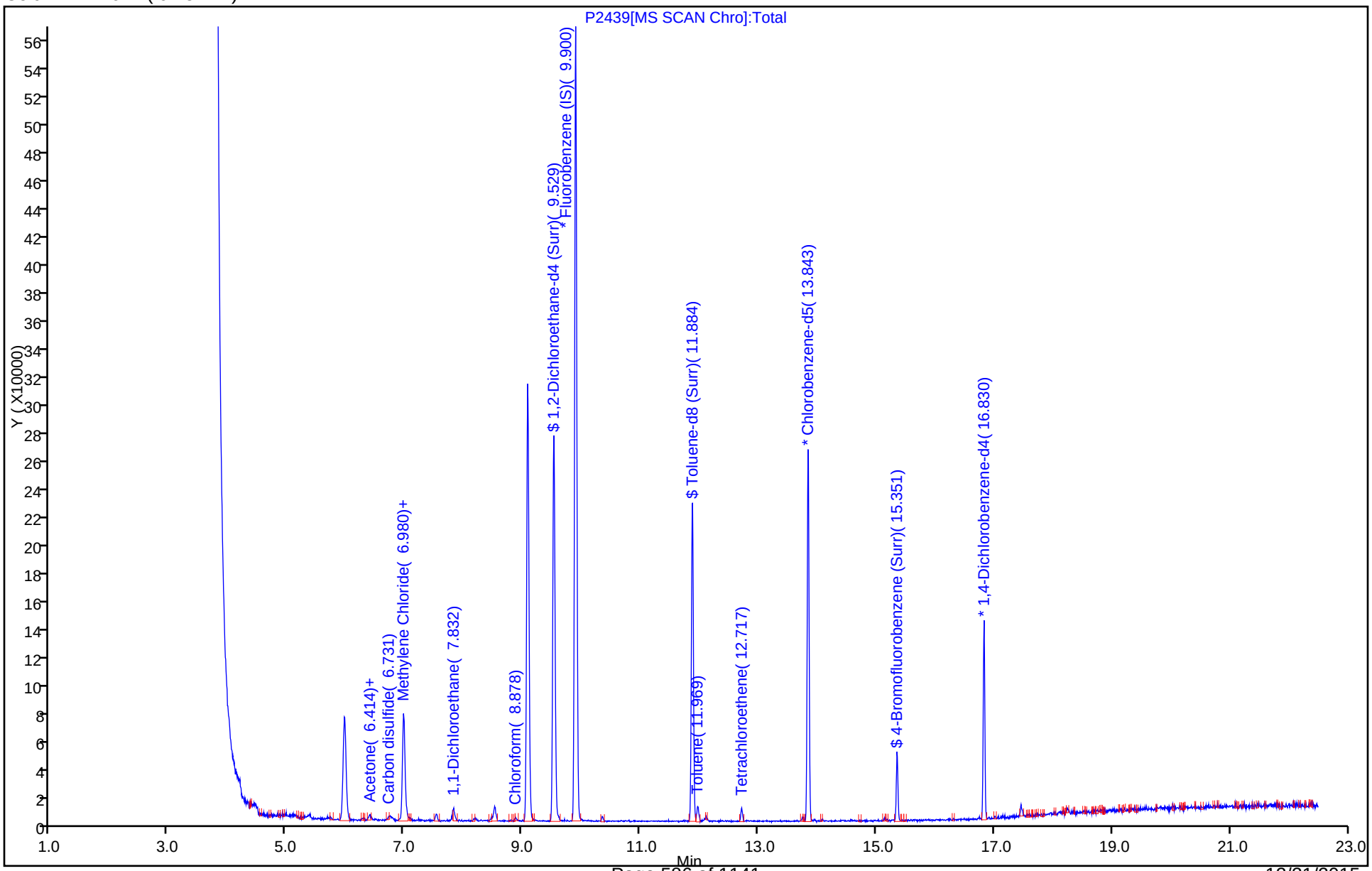
Report Date: 17-Dec-2015 09:15:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D

Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31	Worklist Smp#:	20
Client ID:	B35-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



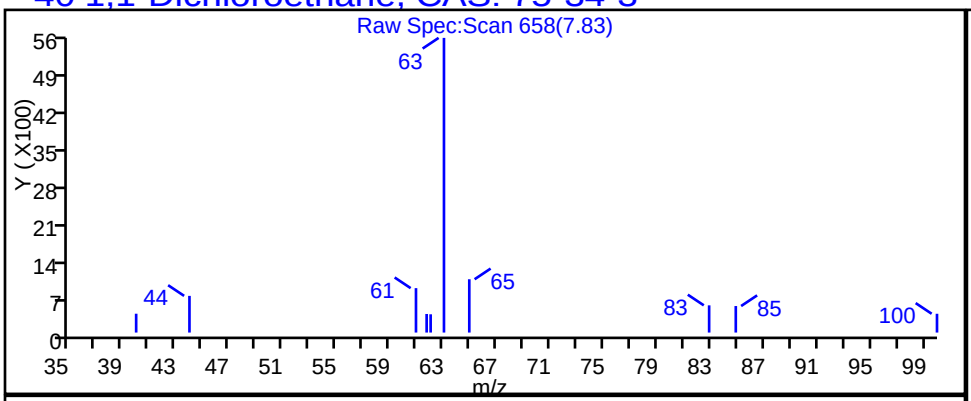
Report Date: 17-Dec-2015 09:15:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

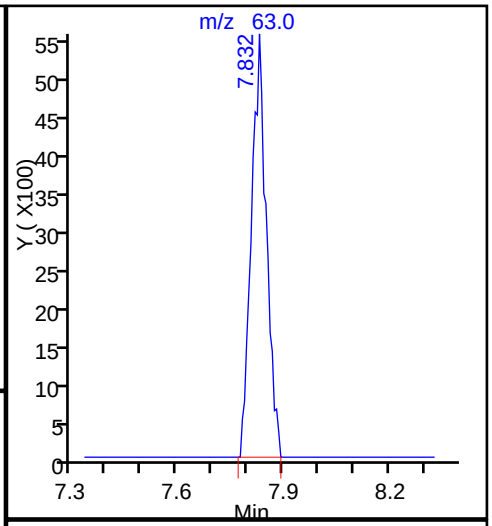
TestAmerica Buffalo

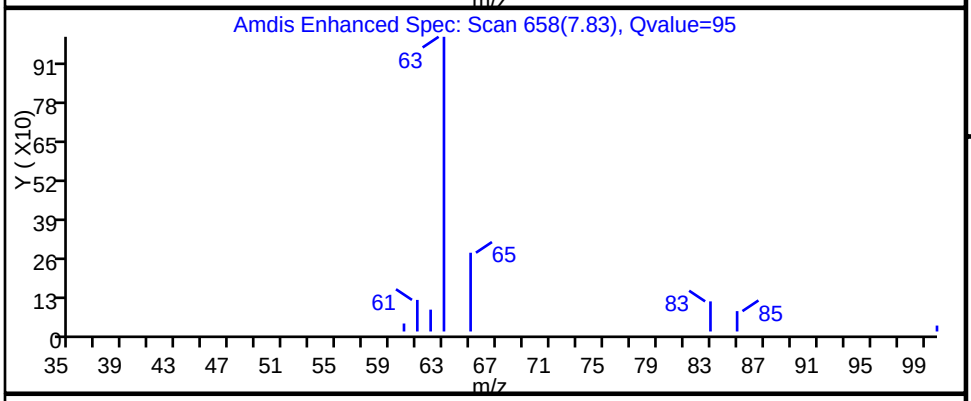
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D

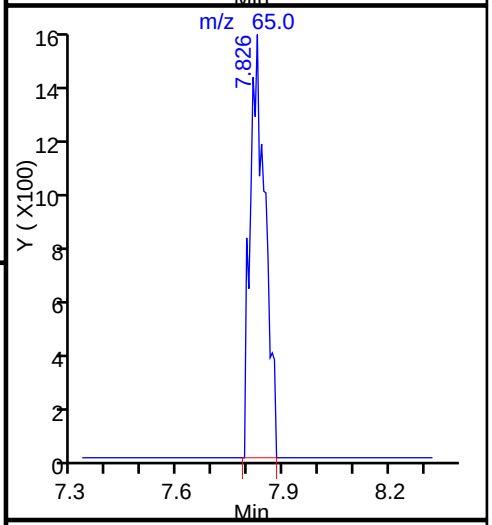
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31		
Client ID:	B35-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

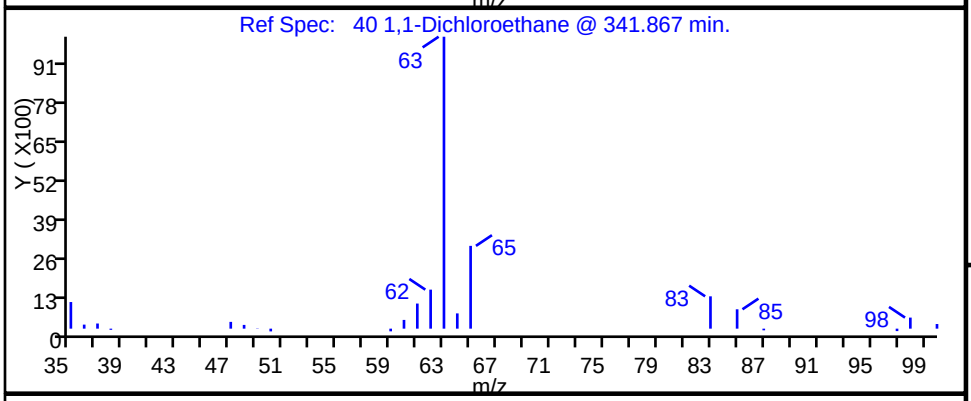
40 1,1-Dichloroethane, CAS: 75-34-3

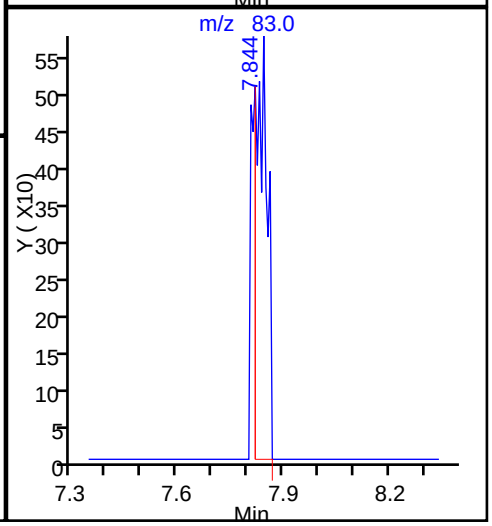


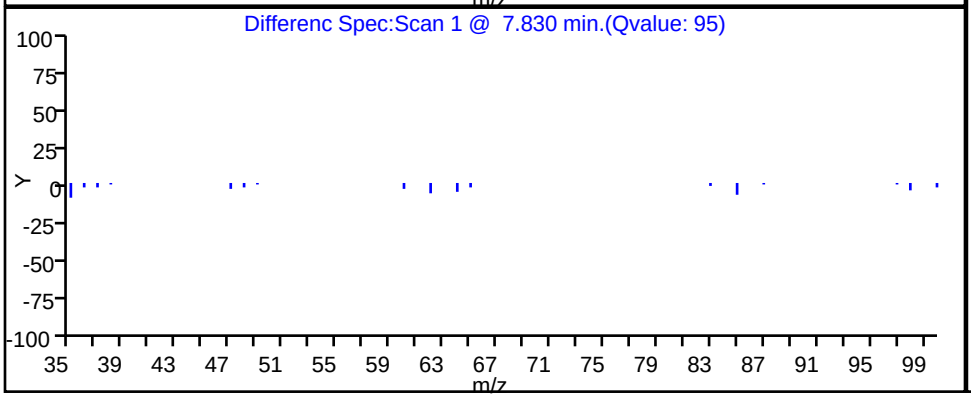










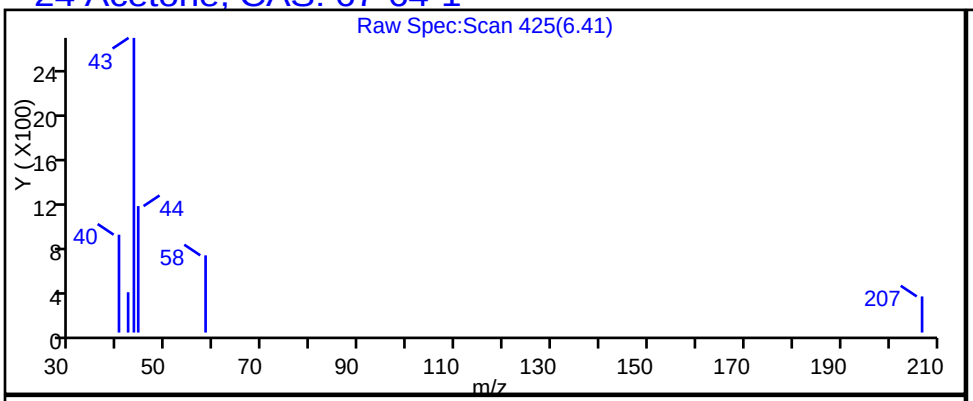


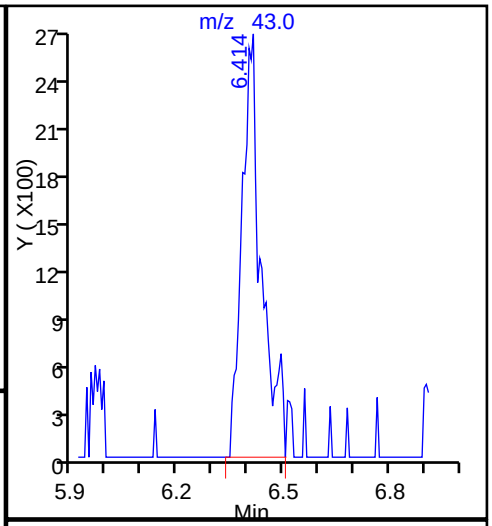
TestAmerica Buffalo

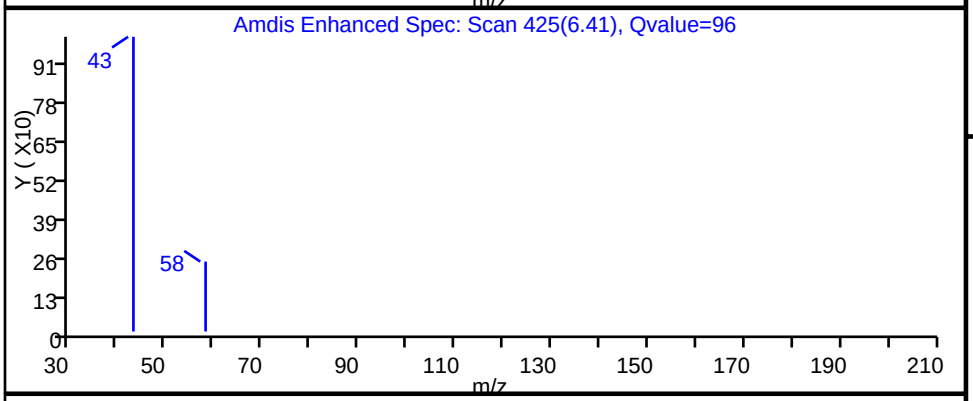
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D

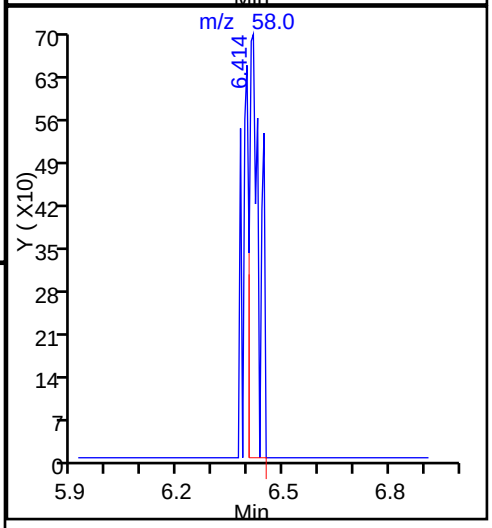
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31
Client ID:	B35-AREA2-S2		
Operator ID:	NMD	ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

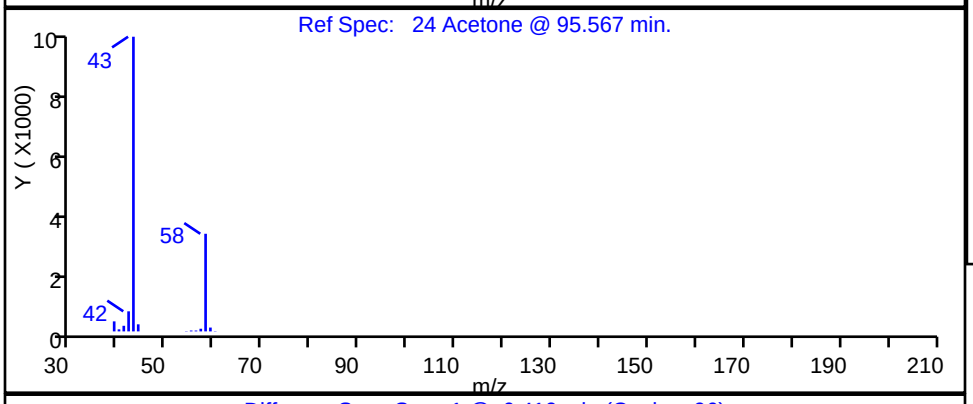
24 Acetone, CAS: 67-64-1

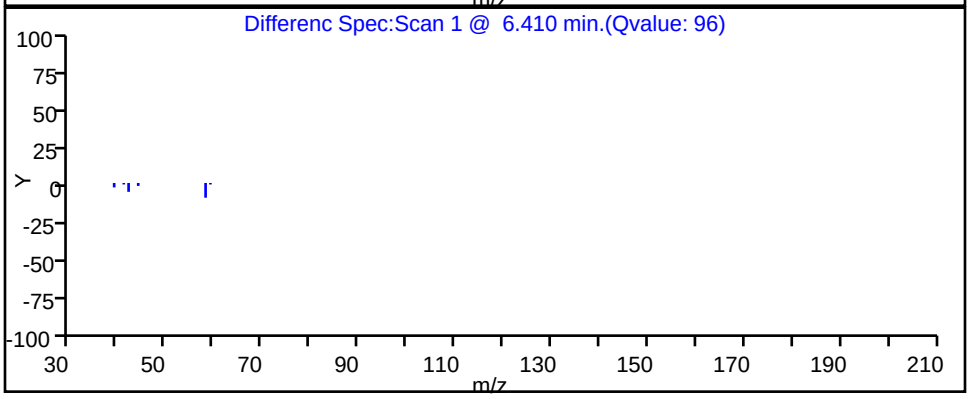












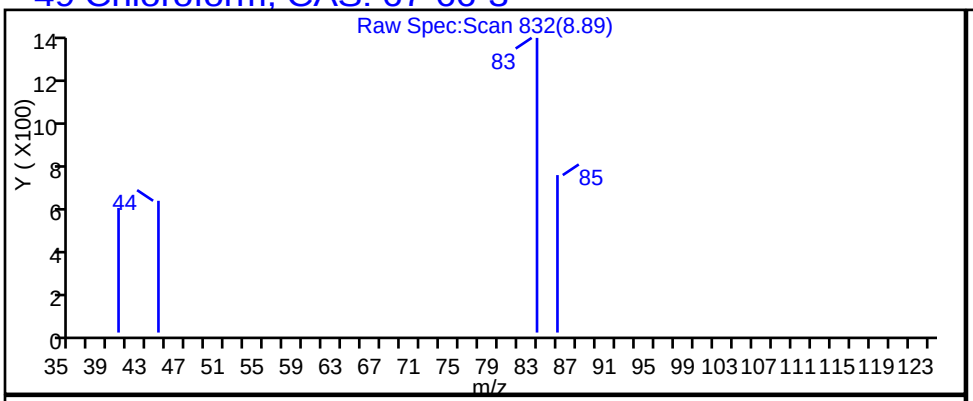
Report Date: 17-Dec-2015 09:15:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

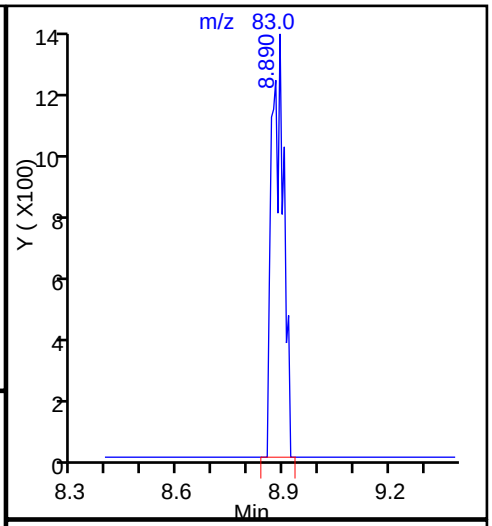
TestAmerica Buffalo

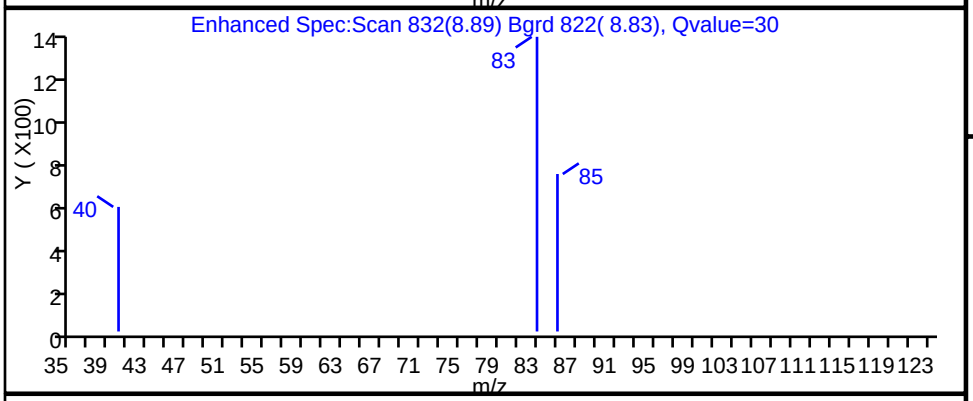
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D

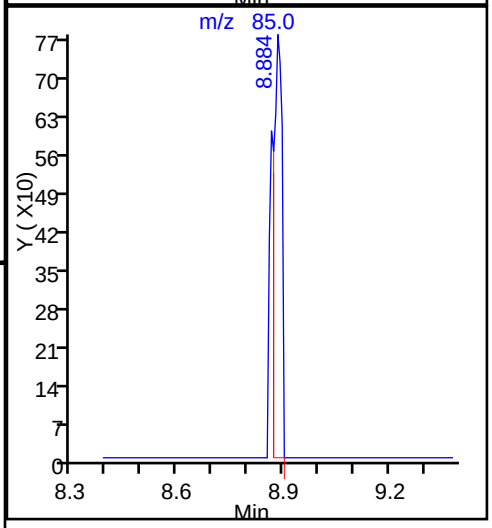
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31		
Client ID:	B35-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

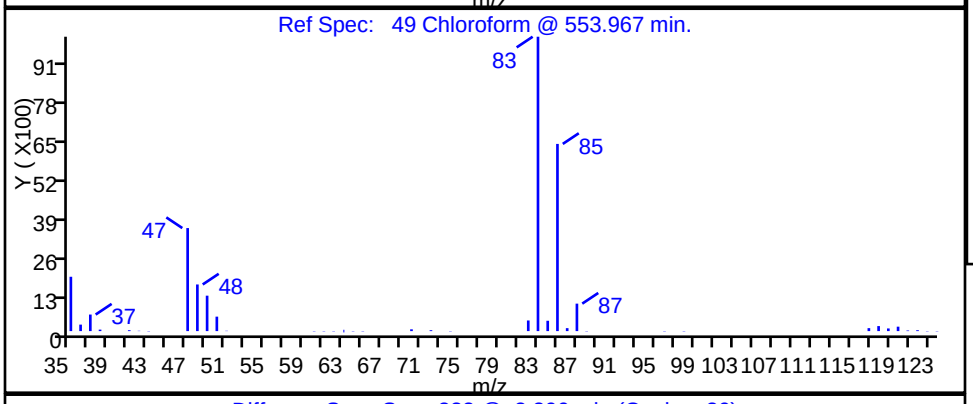
49 Chloroform, CAS: 67-66-3

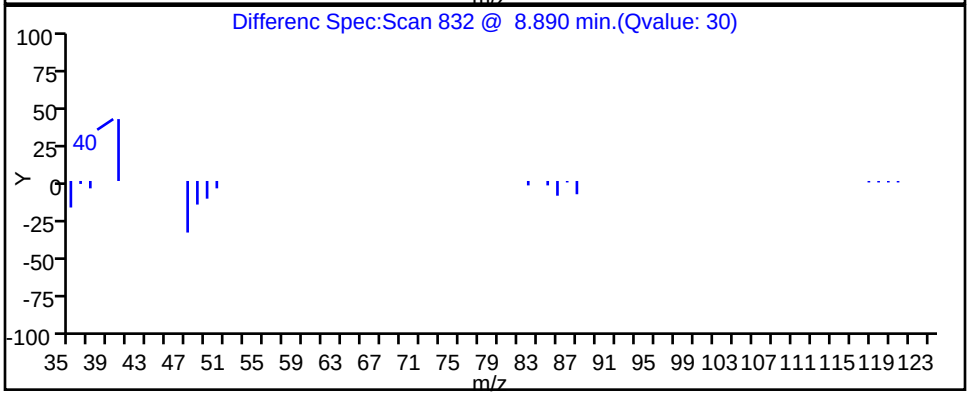












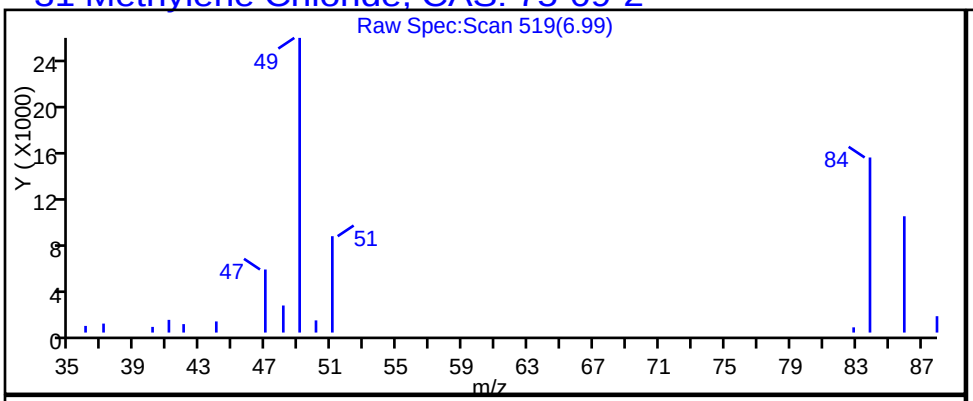
Report Date: 17-Dec-2015 09:15:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

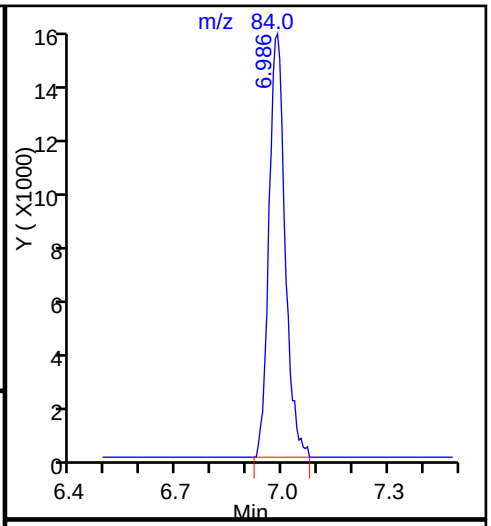
TestAmerica Buffalo

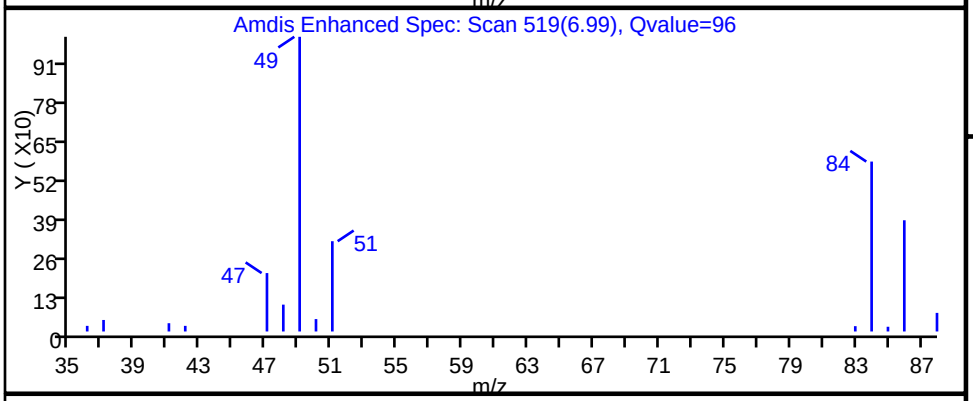
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D

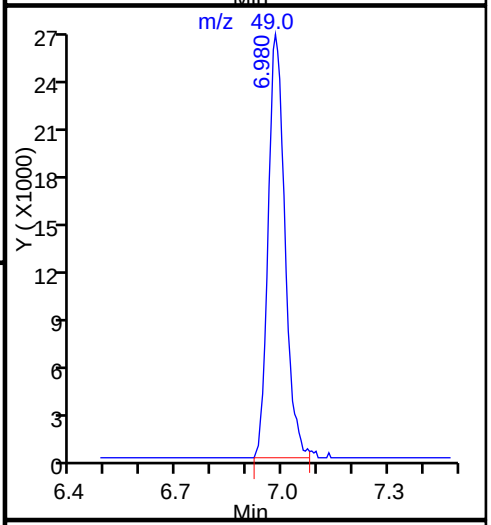
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31		
Client ID:	B35-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

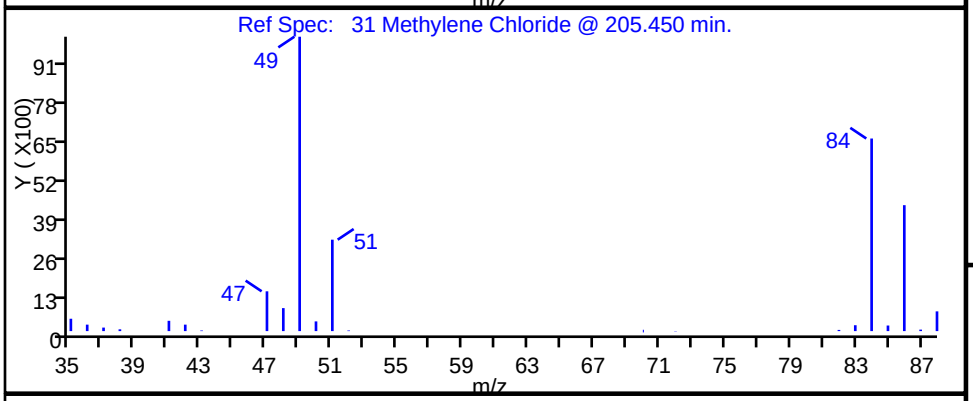
31 Methylene Chloride, CAS: 75-09-2

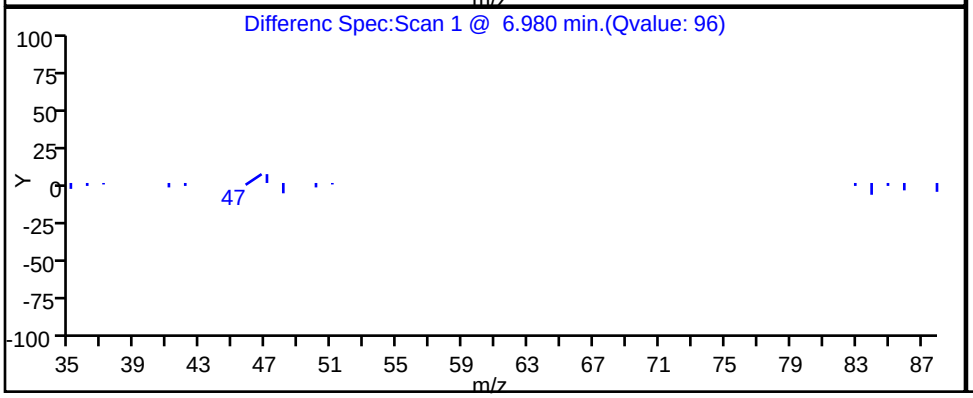


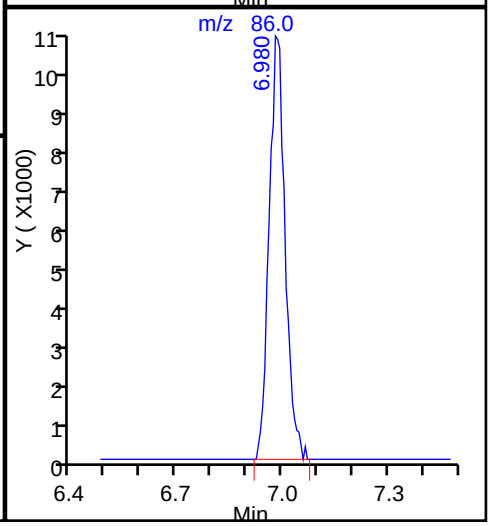










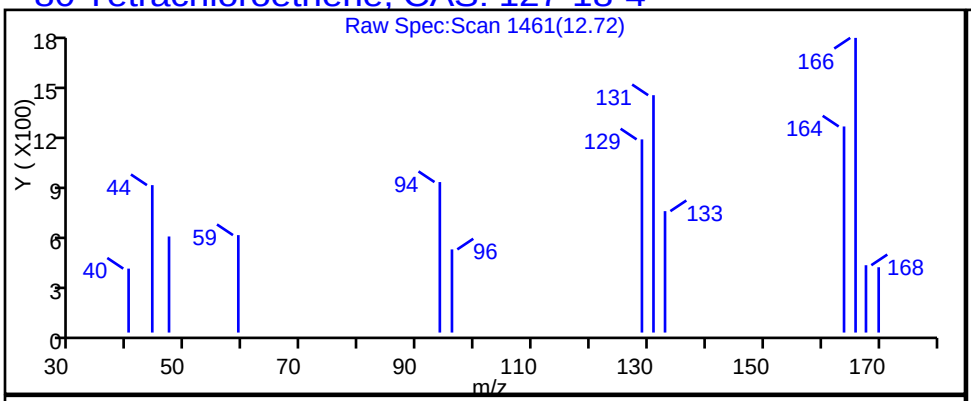


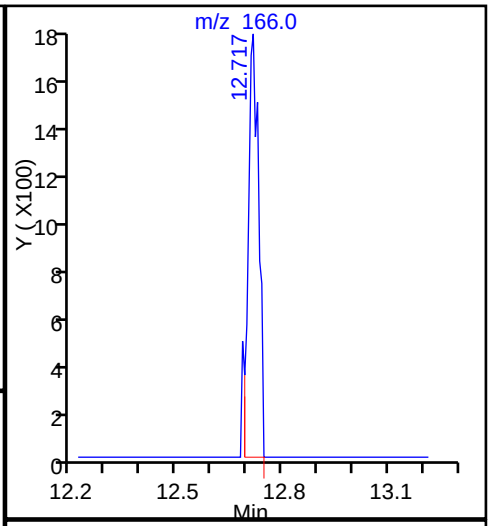
TestAmerica Buffalo

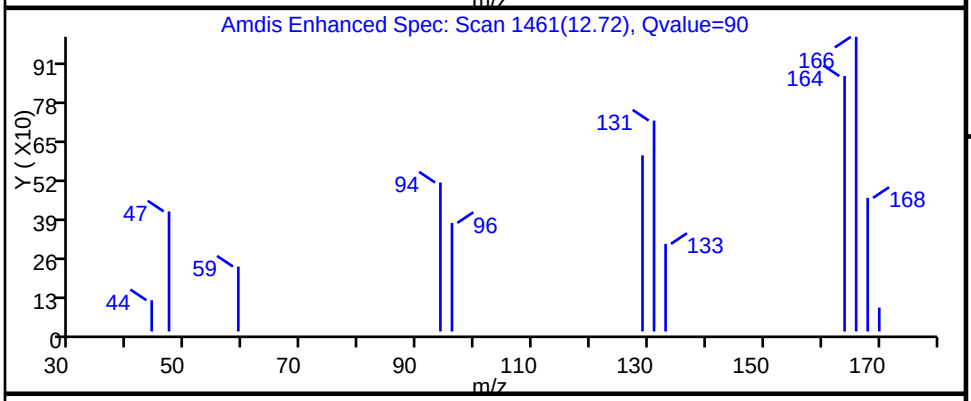
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D

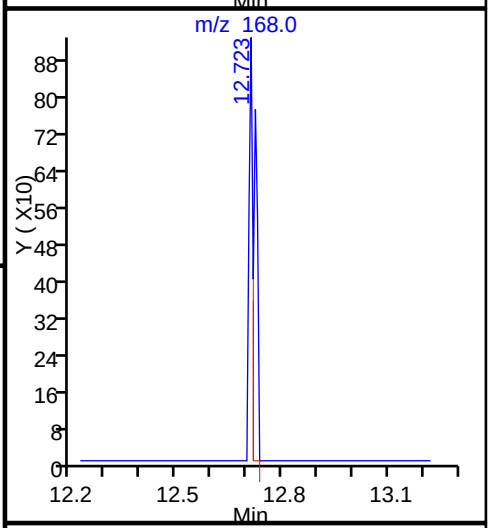
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31		
Client ID:	B35-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

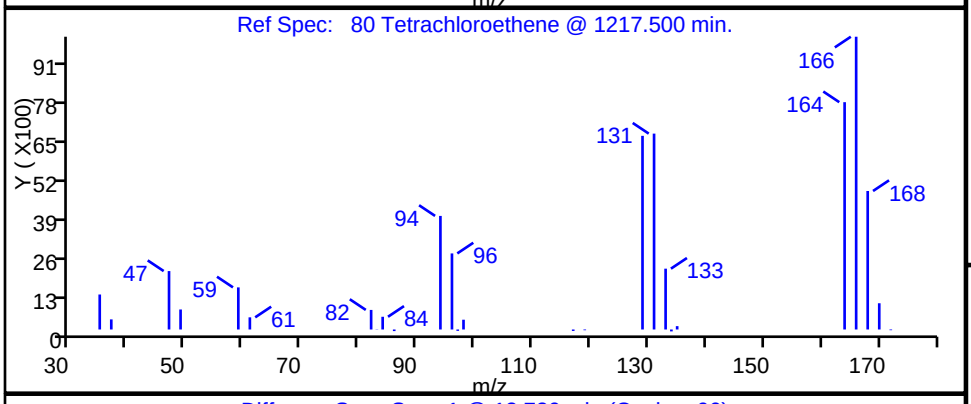
80 Tetrachloroethene, CAS: 127-18-4

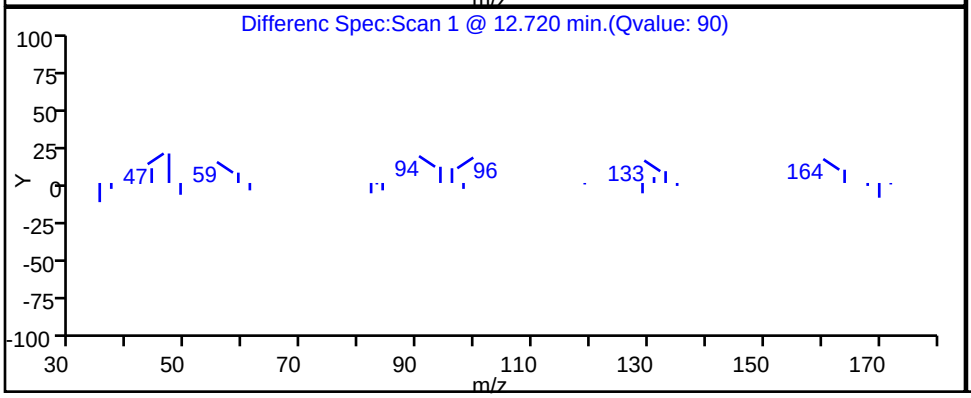


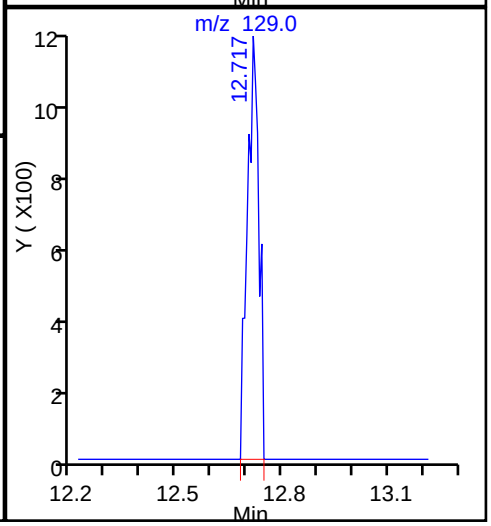












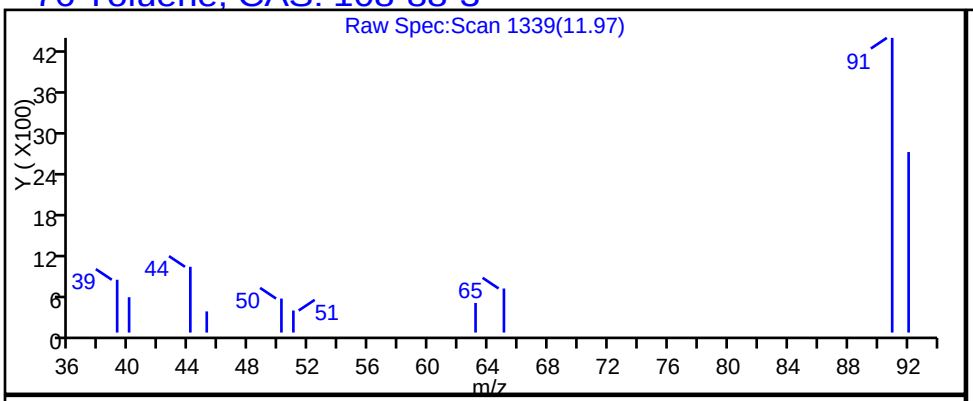
Report Date: 17-Dec-2015 09:15:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

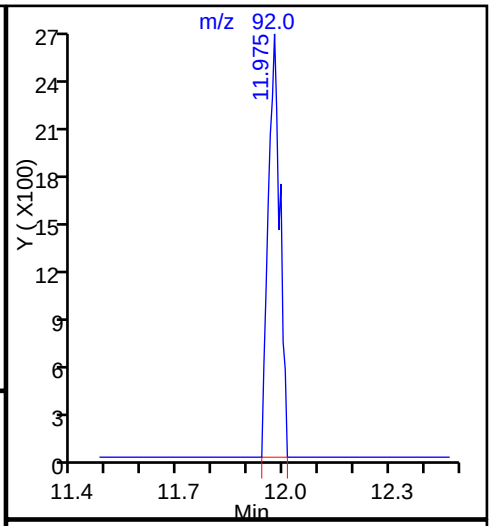
TestAmerica Buffalo

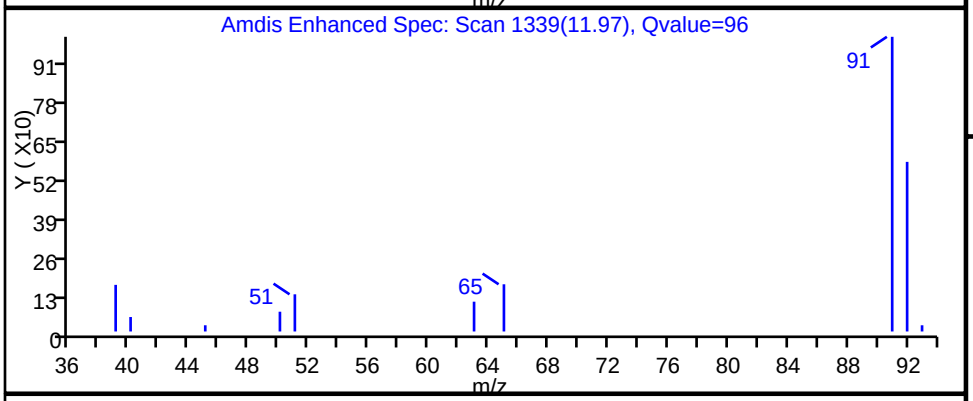
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D

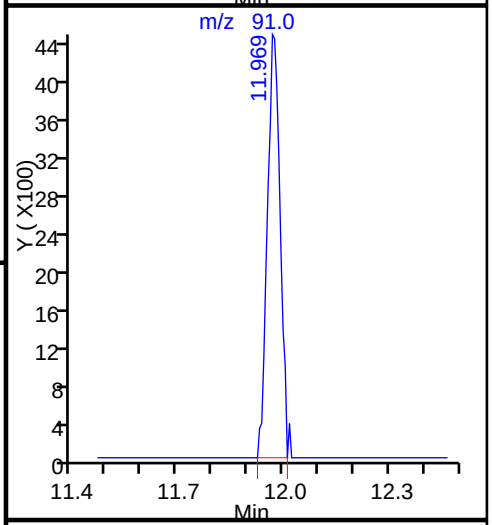
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31		
Client ID:	B35-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

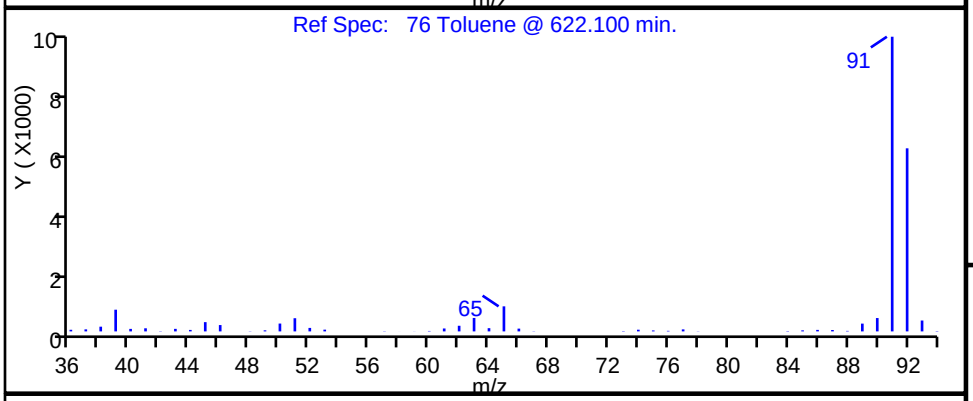
76 Toluene, CAS: 108-88-3

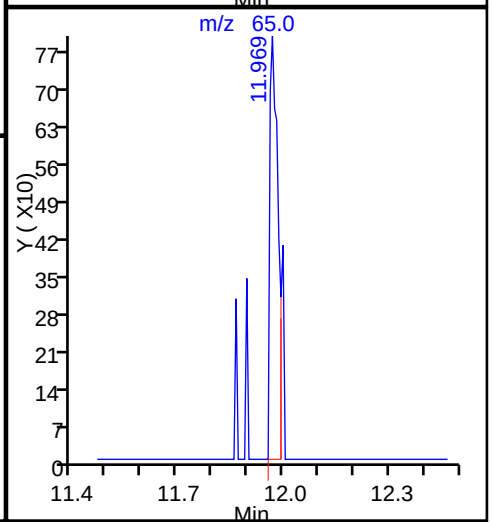


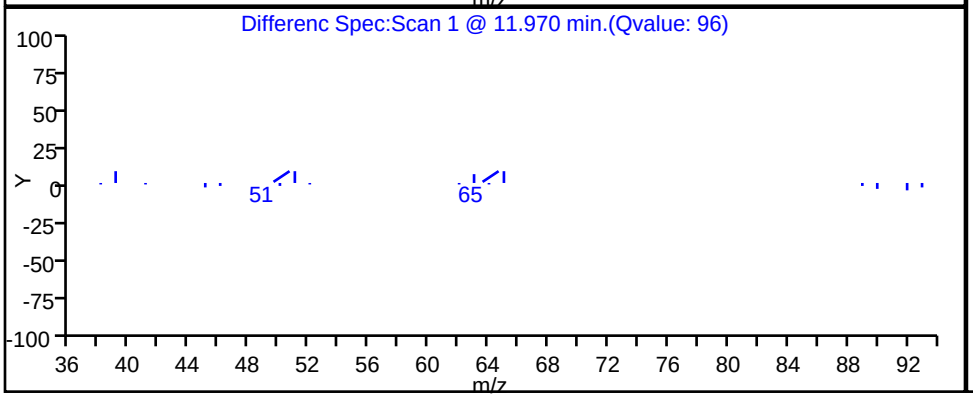












Manual Integration/User Assign Peak Report

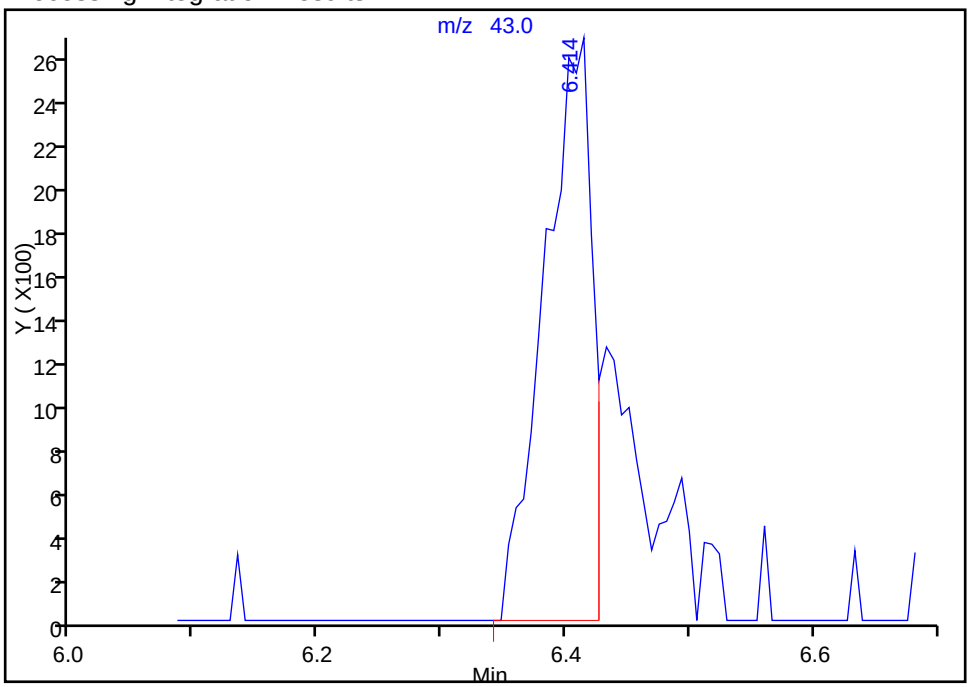
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D				
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31		
Client ID:	B35-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

24 Acetone, CAS: 67-64-1

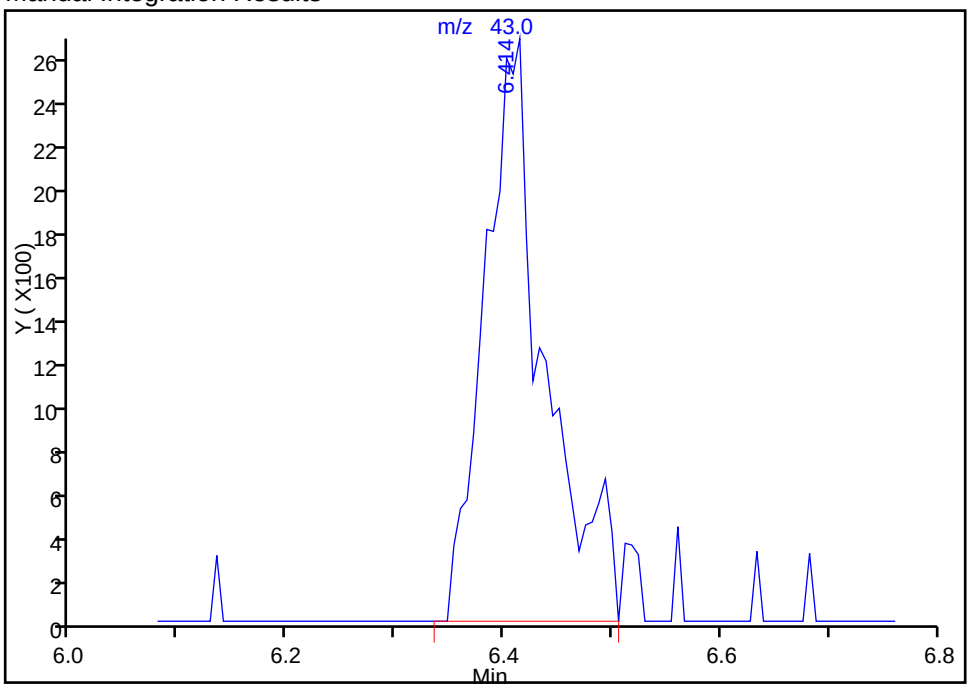
Processing Integration Results

RT: 6.41
Area: 7211
Amount: 4.705239
Amount Units: ug/L



Manual Integration Results

RT: 6.41
Area: 10292
Amount: 6.715618
Amount Units: ug/L



Reviewer: cwiklinc, 17-Dec-2015 09:15:10
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

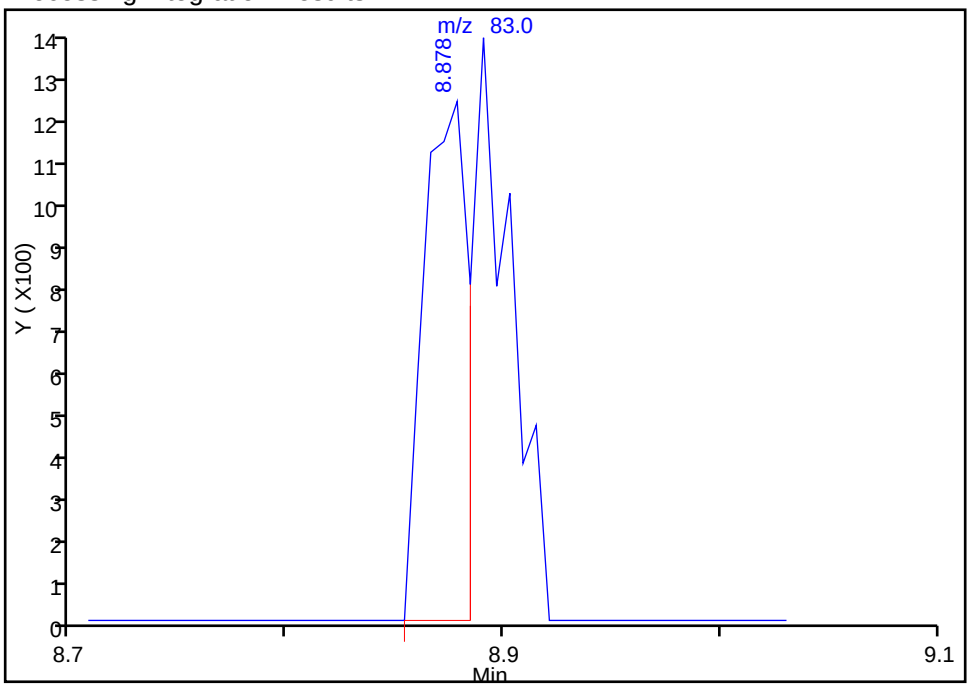
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2439.D				
Injection Date:	17-Dec-2015 05:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92332-A-31-B	Lab Sample ID:	480-92332-31		
Client ID:	B35-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

49 Chloroform, CAS: 67-66-3

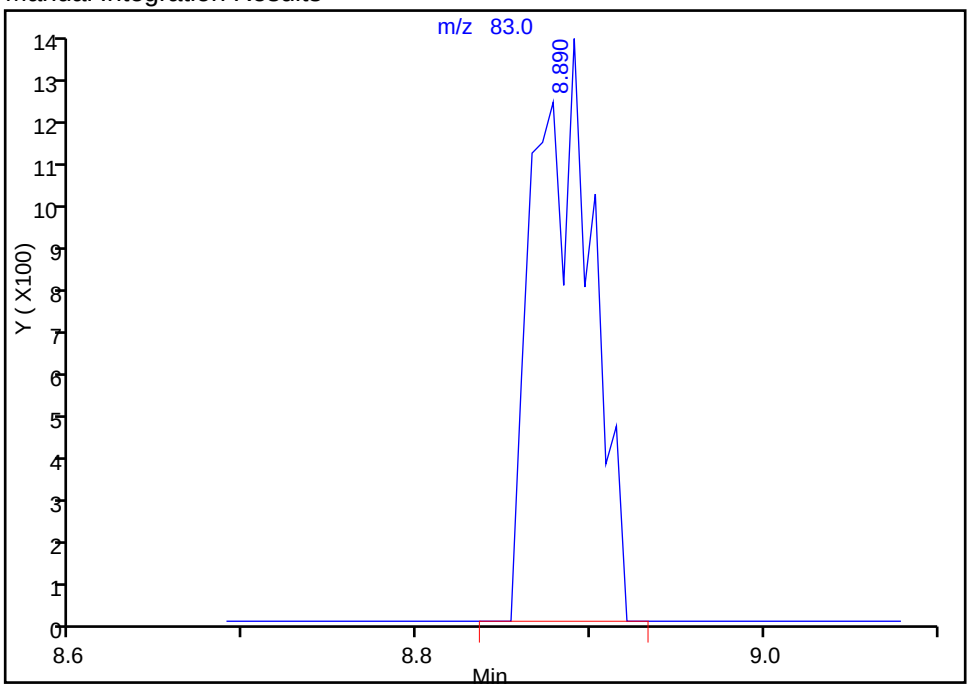
Processing Integration Results

RT: 8.88
Area: 1735
Amount: 0.240889
Amount Units: ug/L



Manual Integration Results

RT: 8.89
Area: 3173
Amount: 0.440542
Amount Units: ug/L



Reviewer: cwiklinc, 17-Dec-2015 09:15:10
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: SB-RINSEBLANK3 | Lab Sample ID: 480-92332-32

Matrix: Water | Lab File ID: Q7767.D

Analysis Method: 8260C | Date Collected: 12/08/2015 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/19/2015 02:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280604 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	0.45	J B	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: SB-RINSEBLANK3 | Lab Sample ID: 480-92332-32

Matrix: Water | Lab File ID: Q7767.D

Analysis Method: 8260C | Date Collected: 12/08/2015 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/19/2015 02:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280604 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7767.D
Lims ID: 480-92332-A-32 Lab Sample ID: 480-92332-32
Client ID: SB-RINSEBLANK3
Sample Type: Client
Inject. Date: 19-Dec-2015 02:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-32
Misc. Info.: 480-0049402-008
Operator ID: GF Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 07:22:40 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: fortaing Date: 19-Dec-2015 15:50:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.122	5.118	0.004	99	95037	25.0	
* 2 Chlorobenzene-d5	82	7.409	7.405	0.004	85	174196	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.277	9.279	-0.002	93	205265	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.890	4.893	-0.003	0	77656	25.8	
$ 5 Toluene-d8 (Surr)	98	6.290	6.286	0.004	93	426738	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	8.340	8.342	-0.002	96	147774	24.1	
10 Dichlorodifluoromethane	85		1.439				ND	
12 Chloromethane	50		1.621				ND	
13 Vinyl chloride	62		1.718				ND	
14 Bromomethane	94		2.047				ND	
15 Chloroethane	64		2.132				ND	
17 Trichlorofluoromethane	101		2.315				ND	
22 1,1-Dichloroethene	96		2.801				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.826				ND	
23 Acetone	43		2.887				ND	
26 Carbon disulfide	76	2.980	2.984	-0.004	94	7710	0.4521	
27 Methyl acetate	43		3.160				ND	
30 Methylene Chloride	84		3.252				ND	
32 Methyl tert-butyl ether	73		3.446				ND	
34 trans-1,2-Dichloroethene	96		3.458				ND	
39 1,1-Dichloroethane	63		3.811				ND	
45 cis-1,2-Dichloroethene	96		4.267				ND	
43 2-Butanone (MEK)	43		4.280				ND	
50 Chloroform	83		4.517				ND	
51 1,1,1-Trichloroethane	97		4.632				ND	
52 Cyclohexane	56		4.651				ND	
55 Carbon tetrachloride	117		4.748				ND	
57 Benzene	78		4.912				ND	
58 1,2-Dichloroethane	62		4.949				ND	
62 Trichloroethene	95	5.389	5.393	-0.004	79	815	0.1348	
64 Methylcyclohexane	83		5.502				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.569				ND	
68 Dichlorobromomethane	83		5.782				ND	
77 trans-1,3-Dichloropropene	75		6.105				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.202				ND	
74 Toluene	92		6.342				ND	
72 cis-1,3-Dichloropropene	75		6.524				ND	
79 1,1,2-Trichloroethane	83		6.670				ND	
81 Tetrachloroethene	166		6.756				ND	
80 2-Hexanone	43		6.835				ND	
83 Chlorodibromomethane	129		6.981				ND	
84 Ethylene Dibromide	107		7.072				ND	
87 Chlorobenzene	112		7.431				ND	
88 Ethylbenzene	91		7.498				ND	
90 m-Xylene & p-Xylene	106		7.583				ND	
91 o-Xylene	106		7.905				ND	
92 Styrene	104		7.924				ND	
95 Bromoform	173		8.106				ND	
94 Isopropylbenzene	105		8.185				ND	
97 1,1,2,2-Tetrachloroethane	83		8.471				ND	
111 1,3-Dichlorobenzene	146		9.225				ND	
113 1,4-Dichlorobenzene	146		9.298				ND	
116 1,2-Dichlorobenzene	146		9.609				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.266				ND	
119 1,2,4-Trichlorobenzene	180		10.929				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

Q_8260_IS_00108	Amount Added: 1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added: 1.25	Units: uL	Run Reagent

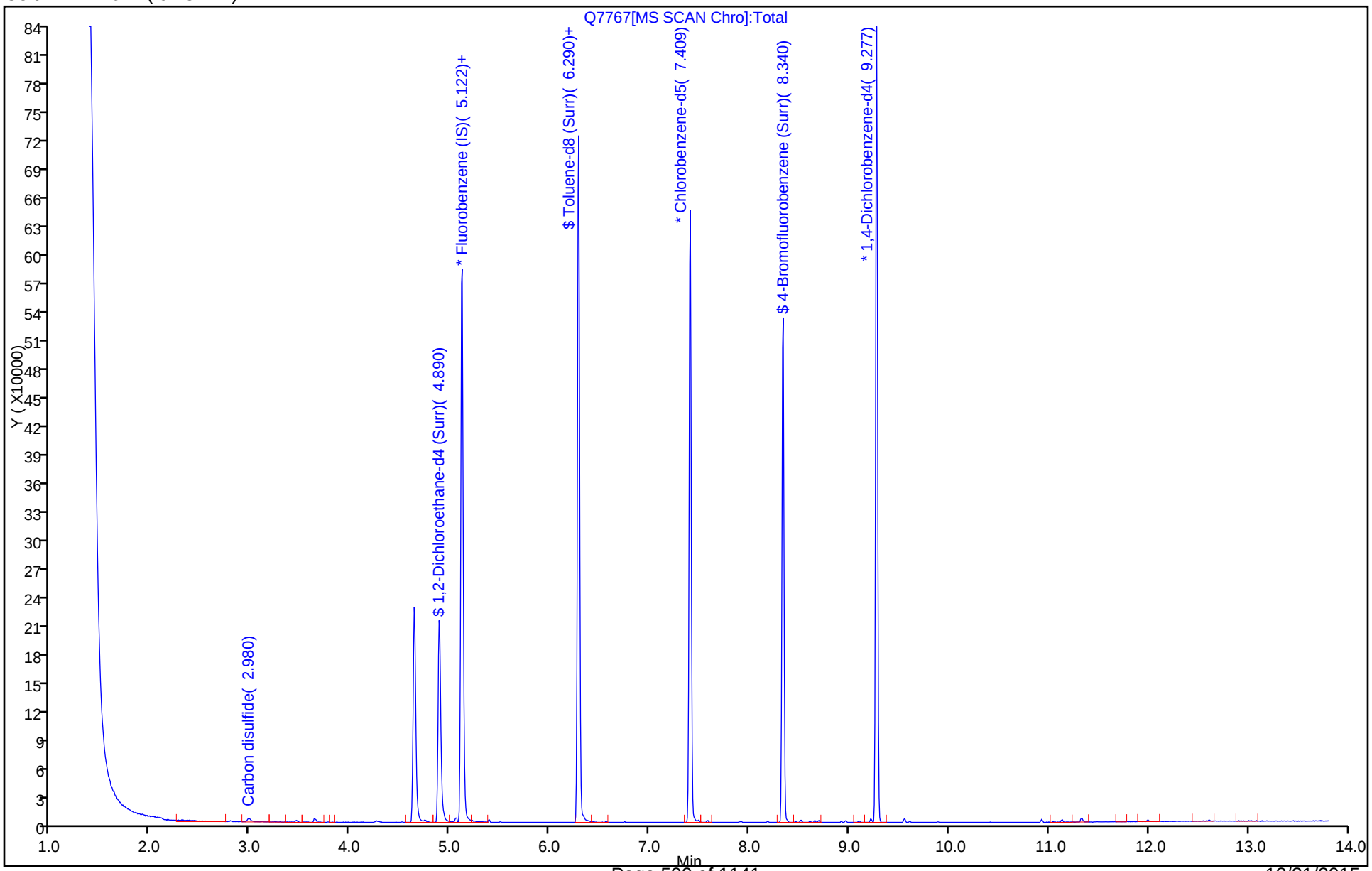
Report Date: 19-Dec-2015 15:50:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7767.D

Injection Date:	19-Dec-2015 02:01:30	Instrument ID:	HP5973Q	Operator ID:	GF
Lims ID:	480-92332-A-32	Lab Sample ID:	480-92332-32	Worklist Smp#:	8
Client ID:	SB-RINSEBLANK3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



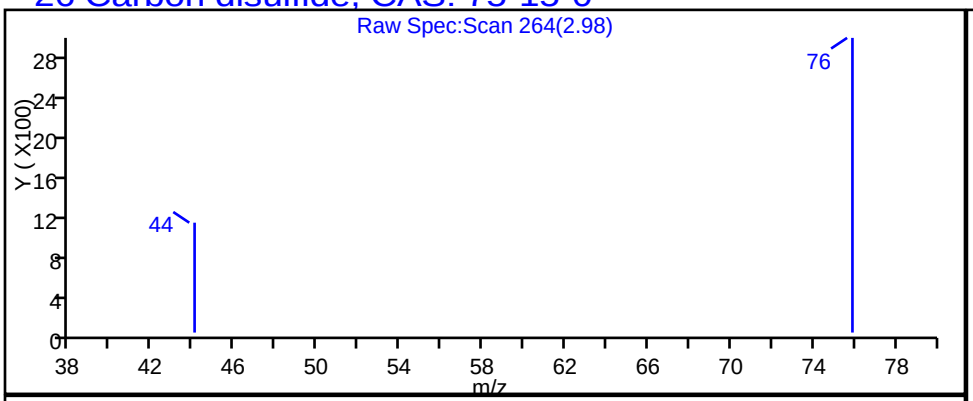
Report Date: 19-Dec-2015 15:50:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

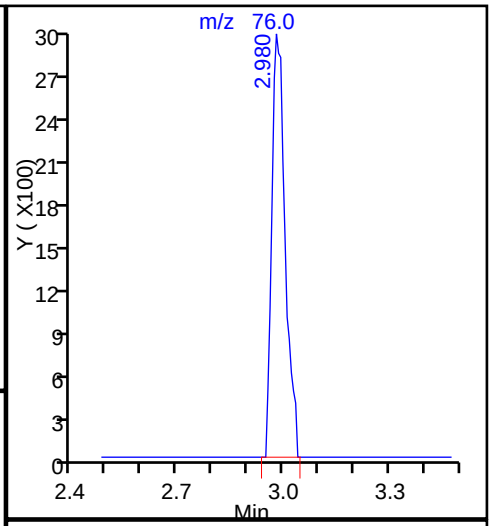
TestAmerica Buffalo

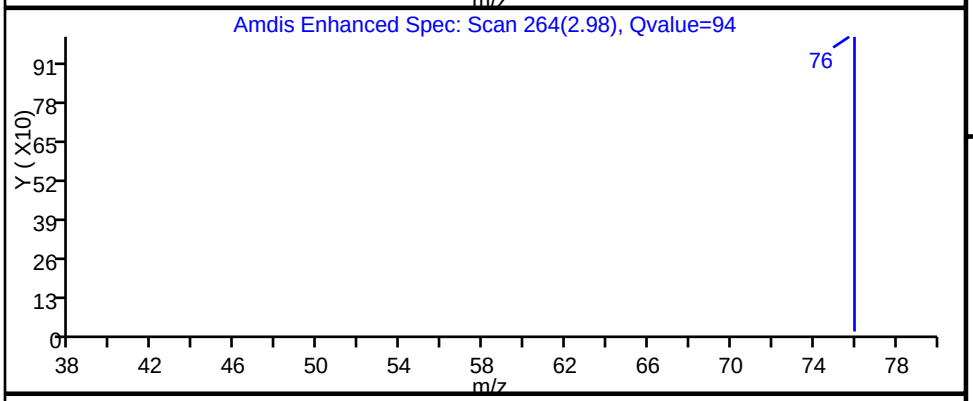
Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7767.D

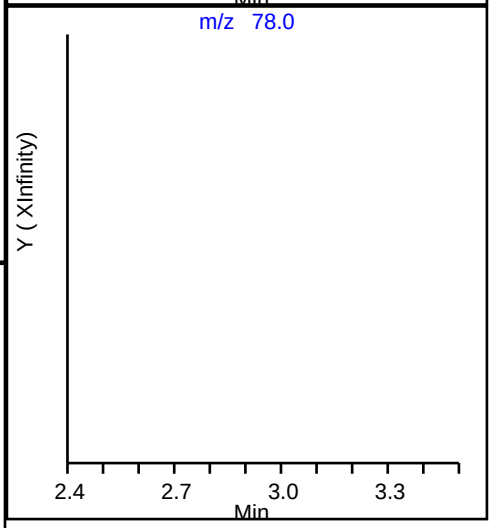
Injection Date:	19-Dec-2015 02:01:30	Instrument ID:	HP5973Q		
Lims ID:	480-92332-A-32	Lab Sample ID:	480-92332-32		
Client ID:	SB-RINSEBLANK3				
Operator ID:	GF	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

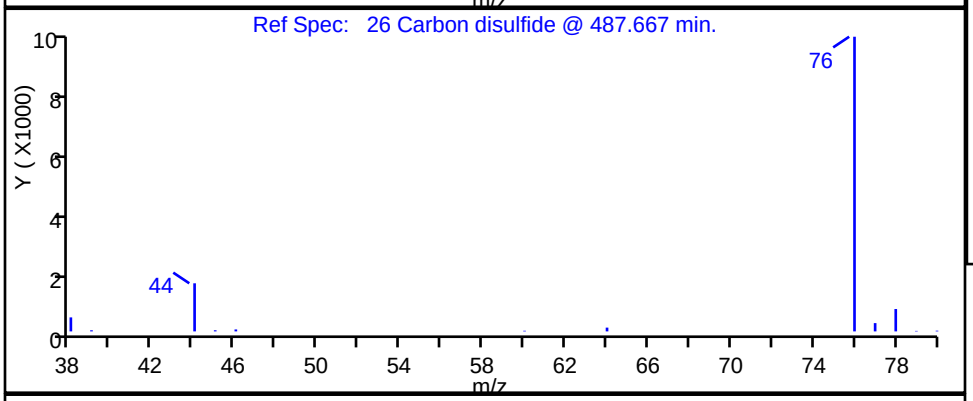
26 Carbon disulfide, CAS: 75-15-0

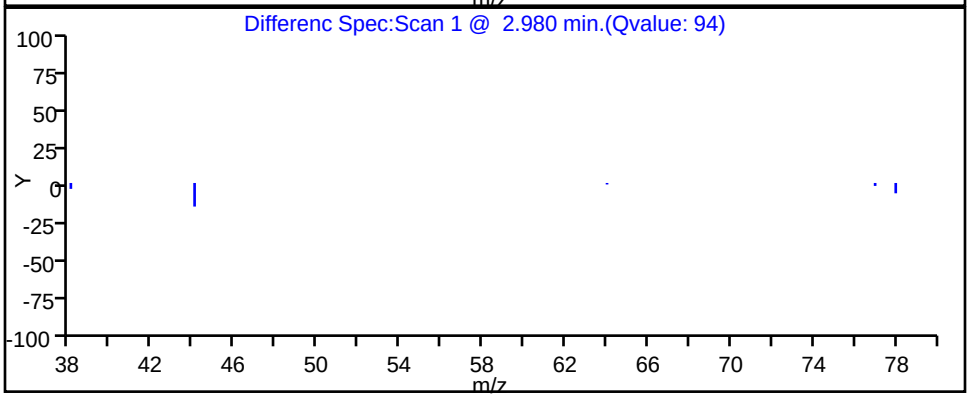












FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-277678/3	P1877.D
Level 2	IC 480-277678/4	P1878.D
Level 3	IC 480-277678/5	P1879.D
Level 4	IC 480-277678/6	P1880.D
Level 5	ICIS 480-277678/7	P1881.D
Level 6	IC 480-277678/8	P1882.D
Level 7	IC 480-277678/9	P1883.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7126 1.5082	1.7883 1.2642	1.6420	1.5422	1.6692	Ave		1.5895			0.1000	10.8		20.0			
Chloromethane	1.5751 1.4157	1.4143 1.3596	1.4166	1.3545	1.4234	Ave		1.4227			0.1000	5.1		20.0			
Vinyl chloride	1.1290 1.1161	1.2154 0.9834	1.1097	1.1450	1.1826	Ave		1.1259			0.1000	6.5		20.0			
Butadiene	0.9915 1.0737	1.0187 0.9735	0.9968	1.0498	1.1396	Ave		1.0348				5.6		20.0			
Bromomethane	0.6444 0.6252	0.6708 0.6647	0.6049	0.6091	0.7155	Ave		0.6478			0.1000	6.1		20.0			
Chloroethane	0.7295 0.6956	0.6950 0.6930	0.7062	0.7053	0.7529	Ave		0.7111			0.1000	3.1		20.0			
Dichlorofluoromethane	2.6010 2.2858	2.6812 2.1455	2.4541	2.4609	2.6596	Ave		2.4697				8.1		20.0			
Trichlorofluoromethane	1.9344 1.9813	2.1411 1.7220	1.9442	2.0880	2.1712	Ave		1.9975			0.1000	7.7		20.0			
Ethyl ether	1.4936 1.3373	1.4994 1.2872	1.4639	1.4099	1.4177	Ave		1.4156				5.6		20.0			
Acrolein	0.2997 0.2946	0.3328 0.2784	0.3090	0.3153	0.2975	Ave		0.3039				5.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.9364 1.4582	1.8955 1.2373	1.7374	1.7347	1.6661	Ave		1.6665			0.1000	14.7		20.0			
1,1-Dichloroethene	2.0196 1.4073	1.9166 1.1892	1.7808	1.7302	1.6310	Ave		1.6678			0.1000	17.3		20.0			
Acetone	0.6588 0.5183	0.6484 0.4901	0.5838	0.5805	0.5310	Ave		0.5730			0.1000	11.2		20.0			
Iodomethane	2.7041 2.3694	2.7973 2.1614	2.6341	2.6090	2.5558	Ave		2.5473				8.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	1.4299 1.2030	1.5071 1.0278	1.4050	1.3597	1.2574	Ave		1.3128			0.1000	12.4		20.0			
Carbon disulfide	5.7193 4.6643	5.7256 4.1068	5.4048	5.3261	5.2289	Ave		5.1680			0.1000	11.4		20.0			
Allyl chloride	2.9677 2.5869	2.9908 2.3213	2.8165	2.8071	2.8363	Ave		2.7609				8.5		20.0			
Methylene Chloride	2.5924 1.4506	2.1048 1.3504	1.8191	1.6504	1.5721	Lin1	3.6271	1.3846			0.1000				0.9970		0.9900
2-Methyl-2-propanol	0.1784 0.1880	0.2022 0.1844	0.1820	0.1890	0.1795	Ave		0.1862				4.3		20.0			
Methyl tert-butyl ether	4.7593 4.1973	4.7843 3.8854	4.4857	4.5492	4.4938	Ave		4.4507			0.1000	7.1		20.0			
Acrylonitrile	0.6448 0.5483	0.6901 0.4687	0.6348	0.6399	0.5773	Ave		0.6006				12.4		20.0			
trans-1,2-Dichloroethene	1.5907 1.2170	1.6578 1.0589	1.5111	1.4333	1.3858	Ave		1.4078			0.1000	15.0		20.0			
Hexane	3.5028 2.3436	3.1653 2.1107	2.7650	2.7103	2.6966	Ave		2.7563				17.0		20.0			
Vinyl acetate	3.4049 3.3092	3.6453 2.7820	3.4463	3.5385	3.5103	Ave		3.3766				8.4		20.0			
1,1-Dichloroethane	3.4524 2.8519	3.3979 2.7080	3.2332	3.1265	3.1278	Ave		3.1282			0.2000	8.7		20.0			
2-Butanone (MEK)	0.8613 0.8091	0.9613 0.7418	0.8649	0.8644	0.8133	Ave		0.8452			0.1000	8.0		20.0			
cis-1,2-Dichloroethene	1.7199 1.3517	1.6780 1.2257	1.6007	1.5882	1.5215	Ave		1.5265			0.1000	11.7		20.0			
2,2-Dichloropropane	2.4139 1.9307	2.3205 1.7018	2.2370	2.2164	2.1574	Ave		2.1397				11.4		20.0			
Chlorobromomethane	0.8156 0.6701	0.7851 0.6109	0.7570	0.7446	0.7296	Ave		0.7304				9.5		20.0			
Tetrahydrofuran	0.5852 0.5067	0.6497 0.4540	0.5604	0.5733	0.5226	Ave		0.5503				11.4		20.0			
Chloroform	3.0825 2.4228	2.9718 2.2107	2.7771	2.7175	2.6678	Ave		2.6929			0.2000	11.2		20.0			
1,1,1-Trichloroethane	1.6496 1.8478	1.7207 1.7743	1.7805	1.8350	1.9261	Ave		1.7906			0.1000	5.0		20.0			
Cyclohexane	3.5252 2.9505	3.4414 2.5593	3.2335	3.3395	3.3093	Ave		3.1941			0.1000	10.5		20.0			
Isobutyl alcohol	0.0786 0.0833	0.0850 0.0776	0.0776	0.0834	0.0821	Ave		0.0811				3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.2560 1.7523	2.1835 1.5052	2.0890	2.0407	2.0042	Ave		1.9758				13.2		20.0			
Carbon tetrachloride	2.0964 1.8873	2.1256 1.6356	2.0416	2.0839	2.0992	Ave		1.9957			0.1000	8.9		20.0			
Benzene	6.3365 4.9578	6.0983 4.2785	5.6909	5.6691	5.5670	Ave		5.5140			0.5000	12.6		20.0			
1,2-Dichloroethane	2.8455 2.2273	2.7899 2.0476	2.5717	2.4940	2.4497	Ave		2.4894			0.1000	11.5		20.0			
n-Heptane	3.2723 2.5590	3.2224 2.2767	2.9473	3.0904	3.0385	Ave		2.9152				12.6		20.0			
Trichloroethene	1.6833 1.3682	1.5595 1.2687	1.5430	1.5184	1.5103	Ave		1.4931			0.2000	9.1		20.0			
Methylcyclohexane	2.7266 2.3524	2.7762 2.0925	2.5894	2.6843	2.6845	Ave		2.5580			0.1000	9.7		20.0			
1,2-Dichloropropane	1.7808 1.4894	1.7021 1.3994	1.5880	1.6337	1.6116	Ave		1.6007			0.1000	7.9		20.0			
1,4-Dioxane	0.0059 0.0063	0.0061 0.0061	0.0066	0.0060	0.0060	Ave		0.0061				3.7		20.0			
Dibromomethane	0.9400 0.8320	0.9247 0.7656	0.9151	0.9118	0.8930	Ave		0.8832			0.1000	7.1		20.0			
Bromodichloromethane	2.1050 1.9455	2.0859 1.8417	1.9817	2.0238	2.0724	Ave		2.0080			0.2000	4.6		20.0			
2-Chloroethyl vinyl ether	0.2487 0.3142	0.2810 0.3347	0.2765	0.3026	0.3134	Ave		0.2959				9.8		20.0			
cis-1,3-Dichloropropene	2.3245 2.3304	2.3530 2.2001	2.2872	2.3676	2.4223	Ave		2.3264			0.2000	3.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.8870 0.7683	0.9424 0.5755	0.9047	0.9005	0.8202	Ave		0.8284			0.1000	15.2		20.0			
Toluene	2.2369 1.5202	1.9341 1.3342	1.8608	1.8146	1.7298	Ave		1.7758			0.4000	16.4		20.0			
Ethyl methacrylate	0.6975 0.8069	0.7880 0.7532	0.7703	0.7982	0.8102	Ave		0.7749				5.1		20.0			
trans-1,3-Dichloropropene	1.0221 1.0039	1.0530 0.9260	1.0341	1.0457	1.0508	Ave		1.0194			0.1000	4.4		20.0			
1,1,2-Trichloroethane	0.5026 0.4703	0.5107 0.4406	0.5004	0.4951	0.4875	Ave		0.4867			0.1000	5.0		20.0			
Tetrachloroethene	0.7868 0.5735	0.8084 0.4818	0.7382	0.7117	0.6723	Ave		0.6818			0.2000	17.2		20.0			
2-Hexanone	0.6108 0.5216	0.6650 0.3963	0.6235	0.6257	0.5488	Ave		0.5703			0.1000	15.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.1441 0.8787	1.1073 0.7473	1.0484	1.0341	0.9527	Ave		0.9875				14.0		20.0			
Dibromochloromethane	0.6121 0.6876	0.6752 0.6453	0.6489	0.6847	0.7056	Ave		0.6656			0.1000	4.8		20.0			
1,2-Dibromoethane	0.6592 0.6234	0.6719 0.5877	0.6345	0.6453	0.6325	Ave		0.6363				4.3		20.0			
Chlorobenzene	2.1798 1.7702	2.1603 1.5314	2.0103	1.9660	1.9248	Ave		1.9347			0.5000	11.7		20.0			
Ethylbenzene	3.6073 2.6808	3.5130 2.0660	3.3344	3.2309	3.1095	Ave		3.0774			0.1000	17.5		20.0			
1,1,1,2-Tetrachloroethane	0.7298 0.5982	0.7165 0.5141	0.6906	0.6807	0.6670	Ave		0.6567				11.5		20.0			
m,p-Xylene	1.5082 1.1647	1.4252 0.9918	1.3897	1.3525	1.2984	Ave		1.3044			0.1000	13.4		20.0			
o-Xylene	1.5106 1.1561	1.4662 0.9844	1.4161	1.3645	1.2927	Ave		1.3129			0.3000	14.2		20.0			
Styrene	2.2463 1.8117	2.2667 1.4690	2.1867	2.1869	2.0615	Ave		2.0327			0.3000	14.4		20.0			
Bromoform	0.3852 0.4555	0.3920 0.4337	0.3952	0.4250	0.4446	Ave		0.4187			0.1000	6.7		20.0			
Isopropylbenzene	3.7379 3.3751	3.7744 2.9445	3.6287	3.6437	3.7008	Ave		3.5436			0.1000	8.3		20.0			
1,1,2,2-Tetrachloroethane	0.7811 0.8654	0.8522 0.9340	0.7991	0.8181	0.8185	Ave		0.8383			0.3000	6.1		20.0			
trans-1,4-Dichloro-2-butene	0.2920 0.3602	0.3112 0.3762	0.3316	0.3212	0.3302	Ave		0.3318				8.6		20.0			
1,2,3-Trichloropropane	0.2638 0.2232	0.2838 0.2070	0.2623	0.2570	0.2327	Ave		0.2471				10.9		20.0			
Bromobenzene	0.9958 0.7662	0.9996 0.7173	0.9157	0.9038	0.8513	Ave		0.8785				12.3		20.0			
N-Propylbenzene	4.4275 3.4220	4.4150 2.8096	4.1666	4.1421	3.9673	Ave		3.9072				15.1		20.0			
2-Chlorotoluene	0.8846 0.6830	0.8806 0.6316	0.8442	0.8206	0.7757	Ave		0.7886				12.4		20.0			
1,3,5-Trimethylbenzene	3.3161 2.6799	3.2963 2.3294	3.1251	3.1352	3.0110	Ave		2.9847				12.0		20.0			
4-Chlorotoluene	0.9160 0.7797	0.8881 0.7431	0.8722	0.8712	0.8442	Ave		0.8449				7.3		20.0			
tert-Butylbenzene	0.6531 0.5960	0.6814 0.5771	0.6299	0.6383	0.6453	Ave		0.6316				5.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.3906 2.9478	3.4352 2.5306	3.3284	3.3111	3.2223	Ave		3.1666				10.2		20.0			
sec-Butylbenzene	4.1438 3.6266	4.2525 3.0029	4.0620	4.1186	4.0960	Ave		3.9003				11.3		20.0			
4-Isopropyltoluene	3.4381 3.0009	3.5037 2.5494	3.3910	3.4045	3.3586	Ave		3.2352				10.6		20.0			
1,3-Dichlorobenzene	1.8676 1.5151	1.8772 1.4116	1.7235	1.7289	1.6687	Ave		1.6847			0.6000	10.2		20.0			
1,4-Dichlorobenzene	1.8863 1.4549	1.8277 1.3471	1.6851	1.6277	1.5865	Ave		1.6308			0.5000	11.8		20.0			
n-Butylbenzene	3.3277 2.8991	3.3047 2.5023	3.1576	3.1824	3.2101	Ave		3.0834				9.5		20.0			
1,2-Dichlorobenzene	1.7839 1.5741	1.8360 1.4711	1.7292	1.7153	1.6790	Ave		1.6841			0.4000	7.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1678 0.1998	0.1702 0.2168	0.1691	0.1797	0.1798	Ave		0.1833			0.0500	10.0		20.0			
1,2,4-Trichlorobenzene	1.2431 1.1625	1.2131 1.1017	1.1668	1.1872	1.2150	Ave		1.1842			0.2000	3.9		20.0			
Hexachlorobutadiene	1.4827 1.1726	1.4685 0.9994	1.2899	1.3956	1.3875	Ave		1.3138				13.3		20.0			
Naphthalene	4.8784 4.8173	5.0743 3.8828	4.9219	5.1279	4.9846	Ave		4.8124				8.8		20.0			
1,2,3-Trichlorobenzene	2.1173 1.8747	2.0941 1.5586	2.0266	2.0685	2.0471	Ave		1.9696				10.0		20.0			
Dibromofluoromethane (Surr)	1.2957 1.2589	1.3076 1.2289	1.2877	1.2909	1.2842	Ave		1.2791				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7848 0.7571	0.7853 0.7406	0.7857	0.7776	0.7784	Ave		0.7728				2.2		20.0			
Toluene-d8 (Surr)	2.1767 2.2329	2.1660 2.1757	2.1857	2.1885	2.1869	Ave		2.1875				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.7682 0.7645	0.7577 0.7554	0.7617	0.7655	0.7598	Ave		0.7618				0.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-277678/3	P1877.D
Level 2	IC 480-277678/4	P1878.D
Level 3	IC 480-277678/5	P1879.D
Level 4	IC 480-277678/6	P1880.D
Level 5	ICIS 480-277678/7	P1881.D
Level 6	IC 480-277678/8	P1882.D
Level 7	IC 480-277678/9	P1883.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	36146 1391626	74860 2466470	140761	266775	751267	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	33245 1306225	59204 2652537	121445	234305	640659	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	23829 1029790	50878 1918595	95132	198061	532248	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	20928 990694	42646 1899309	85457	181601	512902	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	13602 576851	28080 1296852	51854	105372	322013	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	15398 641783	29095 1351984	60539	122014	338880	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	54898 2109082	112241 4185863	210388	425701	1197026	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	40829 1828102	89632 3359485	166669	361193	977224	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	31524 1233920	62766 2511239	125495	243897	638081	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	31627 1359152	69650 2715328	132445	272687	669511	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	40870 1345486	79348 2413978	148946	300076	749900	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	42626 1298533	80231 2320039	152664	299303	734097	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Ave	69524 2391171	135713 4780526	250248	502128	1195016	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	57073 2186222	117099 4216773	225813	451308	1150300	2.50 100	5.00 200	10.0	20.0	50.0
Methyl acetate	FB	Ave	150897 5549839	315450 10025752	602223	1176068	2829604	12.5 500	25.0 1000	50.0	100	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	120714 4303741	239685 8012304	463340	921329	2353408	2.50 100	5.00 200	10.0	20.0	50.0
Allyl chloride	FB	Ave	62638 2386889	125201 4528706	241453	485591	1276565	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Lin1	54717 1338437	88109 2634503	155949	285487	707575	2.50 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	37657 1734302	84647 3597825	156024	326894	807943	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	100452 3872834	200280 7580384	384549	786933	2022584	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	136103 5059445	288900 9143948	544229	1106998	2598097	25.0 1000	50.0 2000	100	200	500
trans-1,2-Dichloroethene	FB	Ave	33573 1122958	69397 2065851	129541	247938	623705	2.50 100	5.00 200	10.0	20.0	50.0
Hexane	FB	Ave	73932 2162440	132503 4118004	237037	468834	1213710	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	143731 6106654	305195 10855419	590879	1224211	3159855	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	72867 2631452	142242 5283257	277173	540834	1407760	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	90894 3732870	201218 7235939	370725	747635	1830276	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	36302 1247242	70244 2391267	137228	274739	684791	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	50949 1781452	97140 3320184	191774	383410	970992	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	17215 618301	32864 1191943	64892	128802	328381	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	24701 935032	54399 1771423	96092	198350	470414	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	65061 2235524	124403 4313031	238071	470088	1200707	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	34818 1704930	72033 3461521	152634	317418	866902	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	74404 2722424	144064 4993164	277203	577675	1489459	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	41464 1922502	88929 3783496	166239	360484	924260	62.5 2500	125 5000	250	500	1250
1,1-Dichloropropene	FB	Ave	47616 1616833	91403 2936606	179084	353006	902074	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	44247 1741387	88983 3191098	175024	360487	944831	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	133741 4574506	255286 8347272	487868	980660	2505618	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	60059 2055153	116789 3994775	220469	431428	1102562	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	69066 2361153	134895 4441800	252667	534593	1367554	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	35529 1262465	65282 2475269	132277	262659	679746	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	57548 2170576	116217 4082400	221985	464347	1208237	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	37587 1374223	71252 2730266	136134	282608	725356	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Ave	5087 240298	10606 487484	23240	43535	114160	50.0 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	19841 767647	38708 1493729	78451	157735	401912	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	44429 1795135	87318 3593055	169889	350084	932738	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	5249 289898	11762 652897	23701	52353	141034	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	49062 2150281	98502 4292390	196073	409549	1090213	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	191243 7324828	409276 11586502	798114	1625869	3883404	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	96456 2898854	167985 5371665	328301	655266	1637947	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	30075 1538750	68440 3032737	135912	288243	767226	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	44073 1914261	91462 3728373	182446	377601	995060	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	21671 896787	44354 1773791	88285	178791	461627	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	33927 1093550	70210 1939868	130245	257020	636642	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	131684 4973594	288799 7978354	550059	1129699	2598359	12.5 500	25.0 1000	50.0	100	250
1,3-Dichloropropane	CBZ	Ave	49332 1675605	96172 3008973	184962	373420	902141	2.50 100	5.00 200	10.0	20.0	50.0
Dibromochloromethane	CBZ	Ave	26393 1311146	58647 2598319	114483	247244	668166	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	28423 1188674	58358 2366219	111939	233012	598886	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	93995 3375463	187633 6165880	354675	709939	1822657	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	155547 5112021	305118 8318263	588291	1166734	2944462	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	31468 1140742	62228 2069800	121844	245801	631599	2.50 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	65036 2220991	123789 3993372	245178	488408	1229516	2.50 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	65138 2204490	127350 3963472	249836	492743	1224072	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	96863 3454683	196878 5914374	385792	789728	1952043	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	16609 868649	34051 1746123	69723	153462	420978	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	161857 5709308	320460 9151719	624683	1263902	3246518	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	33823 1463968	72359 2902871	137566	283770	718058	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	12643 609275	26426 1169187	57083	111425	289628	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	11424 377539	24093 643287	45153	89137	204173	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	43118 1296137	84868 2229390	157633	313514	746820	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	191721 5788797	374853 8732356	717287	1436816	3480300	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	38306 1155334	74770 1963082	145330	284664	680515	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	143593 4533346	279873 7240064	537989	1087545	2641336	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	39663 1318910	75408 2309764	150157	302217	740542	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	28280 1008252	57855 1793630	108446	221402	566104	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	146821 4986518	291661 7865294	572984	1148548	2826758	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	179435 6134856	361058 9333242	699280	1428657	3593165	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	148875 5076420	297481 7923716	583764	1180947	2946288	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	80871 2563021	159379 4387287	296695	599729	1463874	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	81680 2461210	155184 4186920	290097	564625	1391732	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	144094 4904216	280587 7777306	543583	1103902	2816046	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	77247 2662738	155886 4572471	297692	595016	1472890	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	7268 338020	14448 673831	29115	62342	157761	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	53828 1966513	102996 3424086	200872	411815	1065814	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	FB	Ave	31294 1081963	61473 1949835	110583	241420	624508	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	FB	Ave	102966 4444863	212417 7575191	421943	887045	2243480	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	FB	Ave	44689 1729736	87663 3040825	173732	357819	921362	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	546938 580768	547373 599377	551957	558259	577992	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	331302 349287	328727 361212	336799	336269	350338	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1877184 2128916	1881297 2190016	1928130	1975749	2070809	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	662464 728902	658102 760380	671966	691127	719452	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 02-Dec-2015 01:45:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0048850-003
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:16:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	97	422129	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	862404	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	866040	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	546938	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	331302	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	1877184	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	87	662464	50.0	50.4	
10 Dichlorodifluoromethane	85	4.048	4.030	0.018	98	36146	2.50	2.69	
11 Chloromethane	50	4.322	4.340	-0.018	99	33245	2.50	2.77	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	23829	2.50	2.51	
149 Butadiene	54	4.577	4.595	-0.018	98	20928	2.50	2.40	
12 Bromomethane	94	5.107	5.125	-0.019	94	13602	2.50	2.49	
13 Chloroethane	64	5.253	5.252	0.000	93	15398	2.50	2.56	
19 Dichlorofluoromethane	67	5.545	5.557	-0.011	97	54898	2.50	2.63	
14 Trichlorofluoromethane	101	5.672	5.678	-0.006	97	40829	2.50	2.42	
20 Ethyl ether	59	5.964	5.964	0.000	98	31524	2.50	2.64	
22 Acrolein	56	6.220	6.220	0.000	97	31627	12.5	12.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	94	40870	2.50	2.90	
25 1,1-Dichloroethene	96	6.372	6.384	-0.012	95	42626	2.50	3.03	
24 Acetone	43	6.402	6.396	0.006	97	69524	12.5	14.4	
18 Iodomethane	142	6.621	6.633	-0.012	100	57073	2.50	2.65	
30 Methyl acetate	43	6.773	6.773	0.000	98	150897	12.5	13.6	M
27 Carbon disulfide	76	6.773	6.779	-0.006	67	120714	2.50	2.77	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	85	62638	2.50	2.69	
31 Methylene Chloride	84	6.986	6.986	0.000	96	54717	2.50	2.06	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	97	37657	25.0	24.0	
32 Methyl tert-butyl ether	73	7.236	7.229	0.007	99	100452	2.50	2.67	
34 Acrylonitrile	53	7.278	7.272	0.006	98	136103	25.0	26.8	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	93	33573	2.50	2.82	
36 Hexane	57	7.540	7.540	0.000	96	73932	2.50	3.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	143731	5.00	5.04	
40 1,1-Dichloroethane	63	7.826	7.832	-0.006	96	72867	2.50	2.76	
44 2-Butanone (MEK)	43	8.489	8.477	0.012	98	90894	12.5	12.7	
43 cis-1,2-Dichloroethene	96	8.525	8.531	-0.006	87	36302	2.50	2.82	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	82	50949	2.50	2.82	
50 Chlorobromomethane	128	8.848	8.848	0.000	89	17215	2.50	2.79	
51 Tetrahydrofuran	42	8.878	8.872	0.006	62	24701	5.00	5.32	
49 Chloroform	83	8.884	8.884	0.000	95	65061	2.50	2.86	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	34818	2.50	2.30	
54 Cyclohexane	56	9.225	9.219	0.006	97	74404	2.50	2.76	
53 Isobutyl alcohol	43	9.298	9.292	0.006	97	41464	62.5	60.6	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	47616	2.50	2.85	
55 Carbon tetrachloride	117	9.347	9.353	-0.006	94	44247	2.50	2.63	
57 Benzene	78	9.602	9.602	0.000	96	133741	2.50	2.87	
60 1,2-Dichloroethane	62	9.621	9.626	-0.005	96	60059	2.50	2.86	
59 n-Heptane	43	9.718	9.718	0.000	95	69066	2.50	2.81	
62 Trichloroethene	95	10.363	10.356	0.007	96	35529	2.50	2.82	
64 Methylcyclohexane	83	10.600	10.594	0.006	97	57548	2.50	2.66	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	91	37587	2.50	2.78	
68 1,4-Dioxane	88	10.782	10.788	-0.006	33	5087	50.0	48.0	
69 Dibromomethane	93	10.855	10.855	0.000	94	19841	2.50	2.66	
70 Dichlorobromomethane	83	10.995	10.995	0.000	97	44429	2.50	2.62	
71 2-Chloroethyl vinyl ether	63	11.263	11.257	0.006	86	5249	2.50	2.10	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	89	49062	2.50	2.50	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	98	191243	12.5	13.4	
76 Toluene	92	11.975	11.975	0.000	98	96456	2.50	3.15	
77 Ethyl methacrylate	69	12.200	12.200	0.000	92	30075	2.50	2.25	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	96	44073	2.50	2.51	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	21671	2.50	2.58	
80 Tetrachloroethene	166	12.717	12.717	0.000	49	33927	2.50	2.88	
83 2-Hexanone	43	12.729	12.729	0.000	98	131684	12.5	13.4	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	97	49332	2.50	2.90	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	89	26393	2.50	2.30	
85 Ethylene Dibromide	107	13.301	13.295	0.006	97	28423	2.50	2.59	
87 Chlorobenzene	112	13.885	13.885	0.000	95	93995	2.50	2.82	
89 Ethylbenzene	91	13.952	13.952	0.000	99	155547	2.50	2.93	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	90	31468	2.50	2.78	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	65036	2.50	2.89	
93 o-Xylene	106	14.639	14.639	0.000	98	65138	2.50	2.88	
94 Styrene	104	14.658	14.658	0.000	95	96863	2.50	2.76	
92 Bromoform	173	15.011	15.010	0.001	94	16609	2.50	2.30	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	161857	2.50	2.64	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	97	33823	2.50	2.33	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	69	12643	2.50	2.20	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	65	11424	2.50	2.67	
100 Bromobenzene	156	15.601	15.600	0.001	94	43118	2.50	2.83	
99 N-Propylbenzene	91	15.607	15.607	0.000	98	191721	2.50	2.83	
103 2-Chlorotoluene	126	15.795	15.801	-0.006	93	38306	2.50	2.80	
102 1,3,5-Trimethylbenzene	105	15.801	15.807	-0.006	93	143593	2.50	2.78	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	39663	2.50	2.71	
106 tert-Butylbenzene	134	16.239	16.245	-0.006	93	28280	2.50	2.59	
107 1,2,4-Trimethylbenzene	105	16.300	16.306	-0.006	97	146821	2.50	2.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	179435	2.50	2.66	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	96	148875	2.50	2.66	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	96	80871	2.50	2.77	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	81680	2.50	2.89	
115 n-Butylbenzene	91	17.182	17.176	0.006	98	144094	2.50	2.70	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	77247	2.50	2.65	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	71	7268	2.50	2.29	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	53828	2.50	2.62	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	31294	2.50	2.82	
121 Naphthalene	128	19.811	19.810	0.000	97	102966	2.50	2.53	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	93	44689	2.50	2.69	
S 125 Total BTEX	1				0			14.7	
S 126 Xylenes, Total	1				0			5.77	
S 123 1,2-Dichloroethene, Total	1				0			5.64	
S 124 1,3-Dichloropropene, Total	1				0			5.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00031	Amount Added:	2.50	Units: uL	
SS GAS CORP_00101	Amount Added:	2.50	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

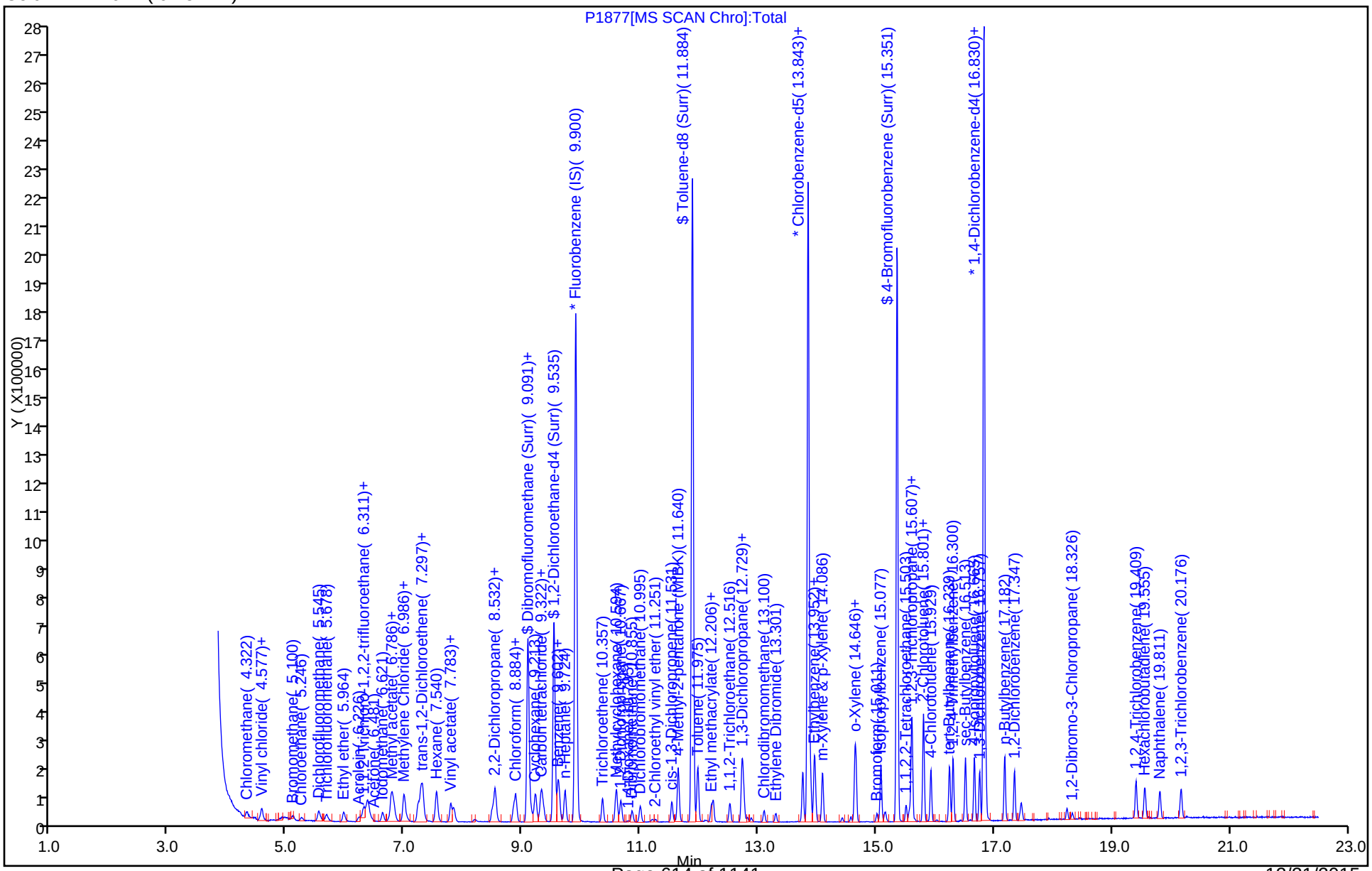
Report Date: 02-Dec-2015 14:53:41 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D

Injection Date:	02-Dec-2015 01:45:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

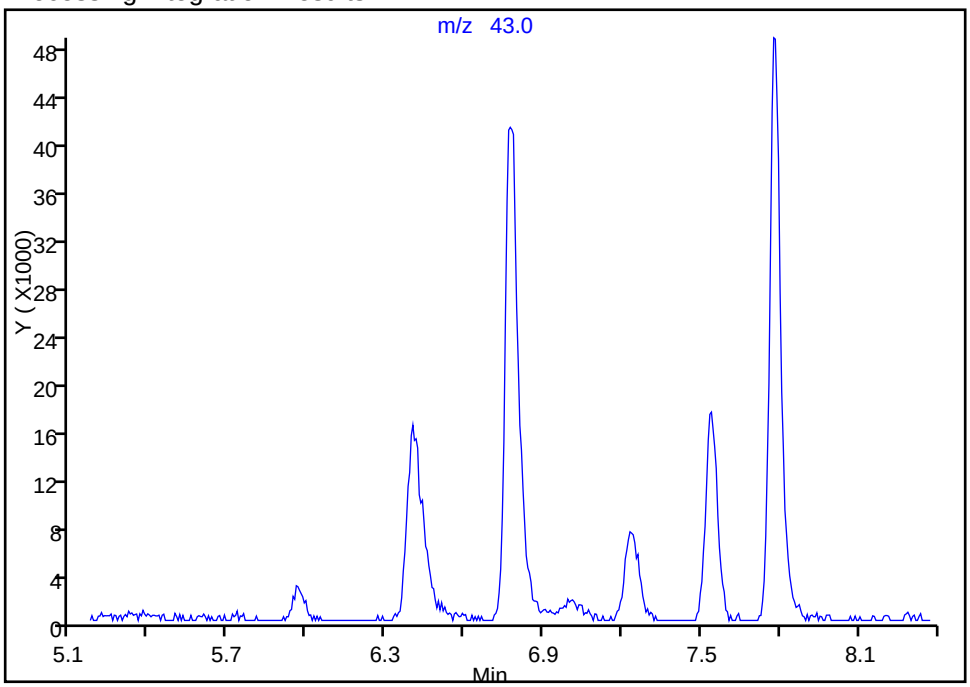
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D
Injection Date: 02-Dec-2015 01:45:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methyl acetate, CAS: 79-20-9

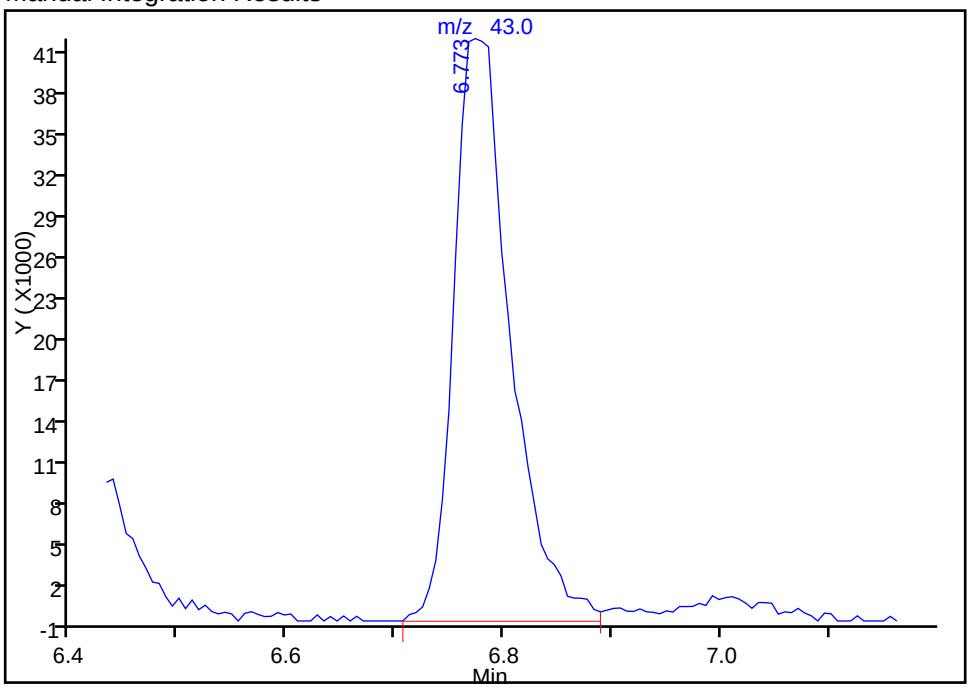
Not Detected
Expected RT: 6.77

Processing Integration Results



Manual Integration Results

RT: 6.77
Area: 150897
Amount: 13.614373
Amount Units: ug/L



Reviewer: cwiklinc, 02-Dec-2015 09:16:03
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-Dec-2015 02:13:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0048850-004
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:43 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:17:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	97	418617	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	868549	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	849046	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	547373	50.0	51.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	328727	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.878	11.883	-0.005	94	1881297	50.0	49.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	658102	50.0	49.7	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	99	74860	5.00	5.63	
11 Chloromethane	50	4.316	4.340	-0.024	98	59204	5.00	4.97	
17 Vinyl chloride	62	4.535	4.571	-0.036	77	50878	5.00	5.40	
149 Butadiene	54	4.571	4.595	-0.024	97	42646	5.00	4.92	
12 Bromomethane	94	5.100	5.125	-0.025	95	28080	5.00	5.18	
13 Chloroethane	64	5.246	5.252	-0.006	94	29095	5.00	4.89	
19 Dichlorofluoromethane	67	5.538	5.557	-0.018	98	112241	5.00	5.43	
14 Trichlorofluoromethane	101	5.666	5.678	-0.012	97	89632	5.00	5.36	
20 Ethyl ether	59	5.958	5.964	-0.006	97	62766	5.00	5.30	
22 Acrolein	56	6.214	6.220	-0.006	99	69650	25.0	27.4	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	79348	5.00	5.69	
25 1,1-Dichloroethene	96	6.366	6.384	-0.018	92	80231	5.00	5.75	
24 Acetone	43	6.396	6.396	0.000	98	135713	25.0	28.3	
18 Iodomethane	142	6.621	6.633	-0.012	99	117099	5.00	5.49	
30 Methyl acetate	43	6.773	6.773	0.000	100	315450	25.0	28.7	
27 Carbon disulfide	76	6.767	6.779	-0.012	65	239685	5.00	5.54	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	85	125201	5.00	5.42	
31 Methylene Chloride	84	6.986	6.986	0.000	94	88109	5.00	4.98	
33 2-Methyl-2-propanol	59	7.017	7.010	0.007	96	84647	50.0	54.3	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	200280	5.00	5.37	
34 Acrylonitrile	53	7.278	7.272	0.006	99	288900	50.0	57.5	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	94	69397	5.00	5.89	
36 Hexane	57	7.534	7.540	-0.006	97	132503	5.00	5.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	305195	10.0	10.8	
40 1,1-Dichloroethane	63	7.826	7.832	-0.006	97	142242	5.00	5.43	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	97	201218	25.0	28.4	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	86	70244	5.00	5.50	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	68	97140	5.00	5.42	
50 Chlorobromomethane	128	8.848	8.848	0.000	91	32864	5.00	5.37	
51 Tetrahydrofuran	42	8.878	8.872	0.006	65	54399	10.0	11.8	
49 Chloroform	83	8.884	8.884	0.000	96	124403	5.00	5.52	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	72033	5.00	4.81	
54 Cyclohexane	56	9.213	9.219	-0.006	96	144064	5.00	5.39	
53 Isobutyl alcohol	43	9.298	9.292	0.006	94	88929	125.0	131.0	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	91403	5.00	5.53	
55 Carbon tetrachloride	117	9.347	9.353	-0.006	96	88983	5.00	5.33	
57 Benzene	78	9.602	9.602	0.000	96	255286	5.00	5.53	
60 1,2-Dichloroethane	62	9.621	9.626	-0.005	95	116789	5.00	5.60	
59 n-Heptane	43	9.724	9.718	0.006	97	134895	5.00	5.53	
62 Trichloroethene	95	10.351	10.356	-0.005	93	65282	5.00	5.22	
64 Methylcyclohexane	83	10.594	10.594	0.000	97	116217	5.00	5.43	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	90	71252	5.00	5.32	
68 1,4-Dioxane	88	10.789	10.788	0.001	94	10606	100.0	99.4	
69 Dibromomethane	93	10.862	10.855	0.007	94	38708	5.00	5.23	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	87318	5.00	5.19	
71 2-Chloroethyl vinyl ether	63	11.251	11.257	-0.006	49	11762	5.00	4.75	M
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	98502	5.00	5.06	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	409276	25.0	28.4	
76 Toluene	92	11.975	11.975	0.000	97	167985	5.00	5.45	
77 Ethyl methacrylate	69	12.200	12.200	0.000	94	68440	5.00	5.08	
78 trans-1,3-Dichloropropene	75	12.230	12.236	-0.006	96	91462	5.00	5.17	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	44354	5.00	5.25	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	70210	5.00	5.93	
83 2-Hexanone	43	12.729	12.729	0.000	98	288799	25.0	29.2	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	96172	5.00	5.61	
81 Chlorodibromomethane	129	13.100	13.100	0.000	89	58647	5.00	5.07	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	58358	5.00	5.28	
87 Chlorobenzene	112	13.885	13.885	0.000	95	187633	5.00	5.58	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	305118	5.00	5.71	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	91	62228	5.00	5.46	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	123789	5.00	5.46	
93 o-Xylene	106	14.639	14.639	0.000	97	127350	5.00	5.58	
94 Styrene	104	14.658	14.658	0.000	95	196878	5.00	5.58	
92 Bromoform	173	15.011	15.010	0.001	95	34051	5.00	4.68	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	320460	5.00	5.33	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	97	72359	5.00	5.08	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	68	26426	5.00	4.69	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	61	24093	5.00	5.74	
100 Bromobenzene	156	15.595	15.600	-0.005	96	84868	5.00	5.69	
99 N-Propylbenzene	91	15.607	15.607	0.000	98	374853	5.00	5.65	
103 2-Chlorotoluene	126	15.801	15.801	0.000	94	74770	5.00	5.58	
102 1,3,5-Trimethylbenzene	105	15.801	15.807	-0.006	94	279873	5.00	5.52	
105 4-Chlorotoluene	126	15.923	15.929	-0.006	99	75408	5.00	5.26	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	57855	5.00	5.39	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	97	291661	5.00	5.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	361058	5.00	5.45	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	297481	5.00	5.42	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	159379	5.00	5.57	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	93	155184	5.00	5.60	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	280587	5.00	5.36	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	155886	5.00	5.45	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.326	-0.006	75	14448	5.00	4.64	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	102996	5.00	5.12	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	61473	5.00	5.59	
121 Naphthalene	128	19.811	19.810	0.001	97	212417	5.00	5.27	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	95	87663	5.00	5.32	
S 125 Total BTEX	1				0			27.7	
S 126 Xylenes, Total	1				0			11.0	
S 123 1,2-Dichloroethene, Total	1				0			11.4	
S 124 1,3-Dichloropropene, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00031	Amount Added:	5.00	Units: uL	
SS GAS CORP_00101	Amount Added:	5.00	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

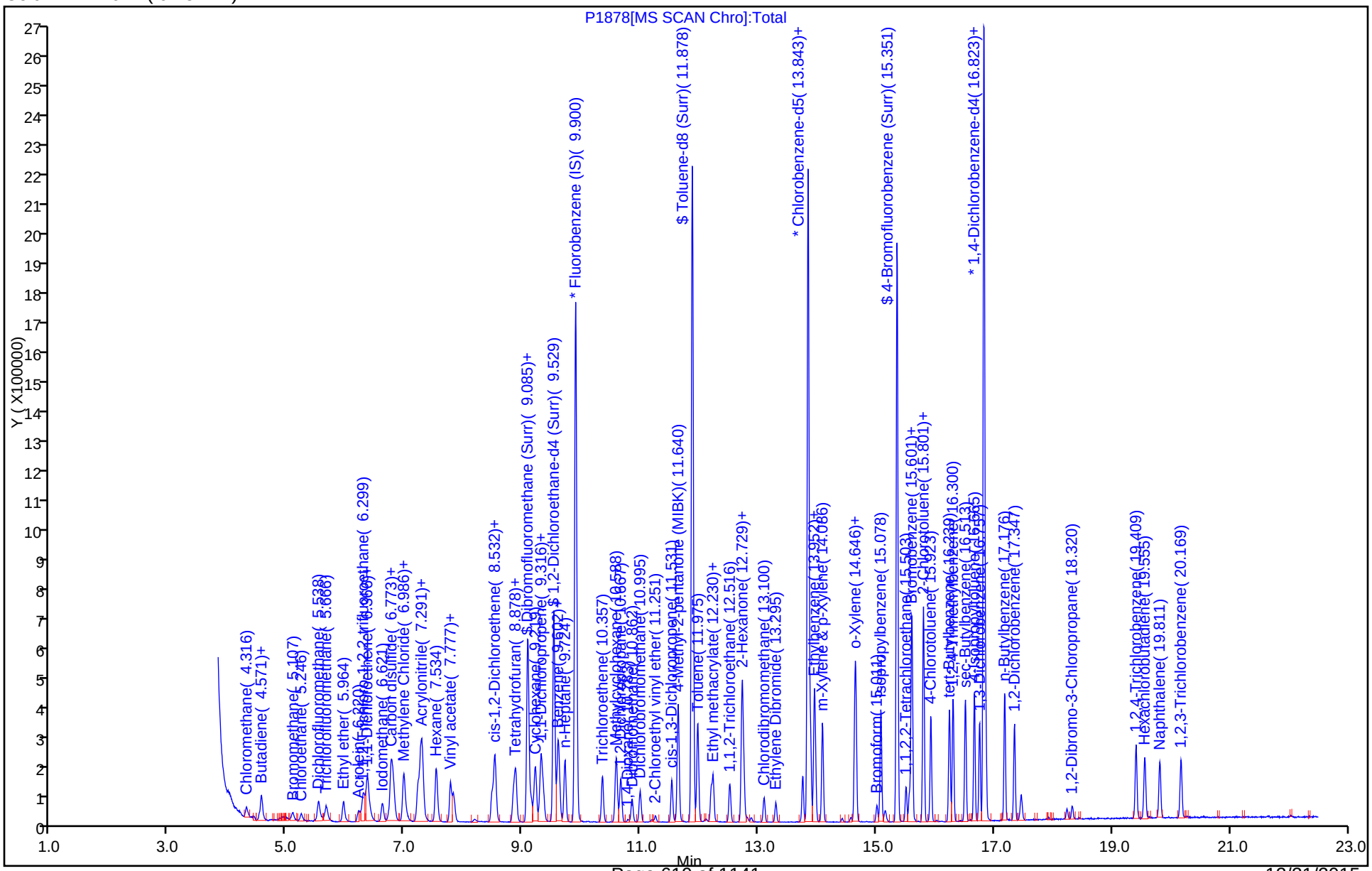
Report Date: 02-Dec-2015 14:53:44 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D

Injection Date:	02-Dec-2015 02:13:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 2			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

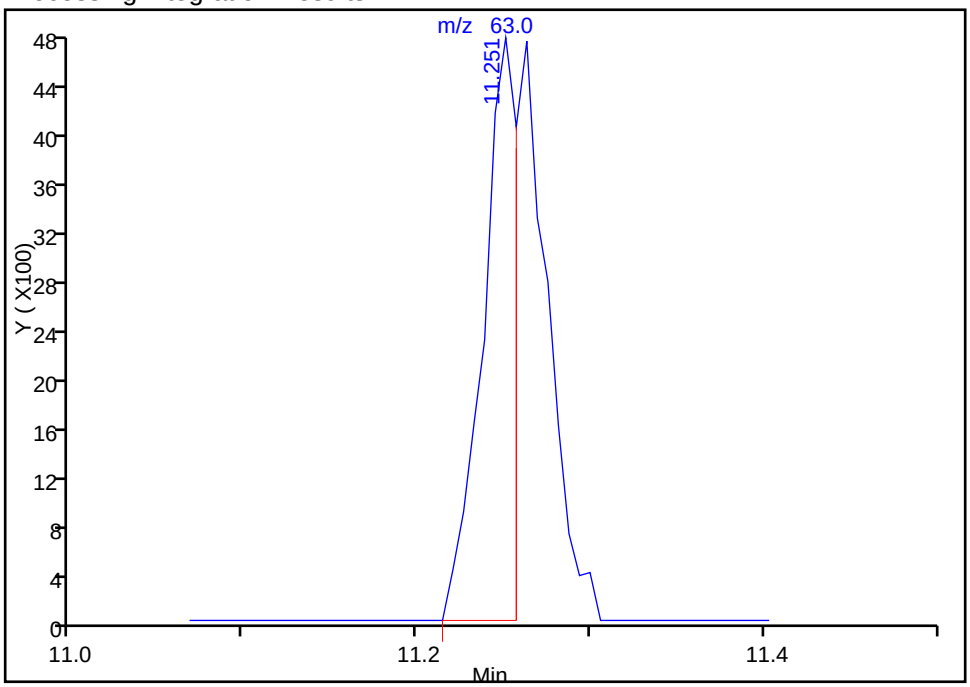
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D
Injection Date: 02-Dec-2015 02:13:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

71 2-Chloroethyl vinyl ether, CAS: 110-75-8

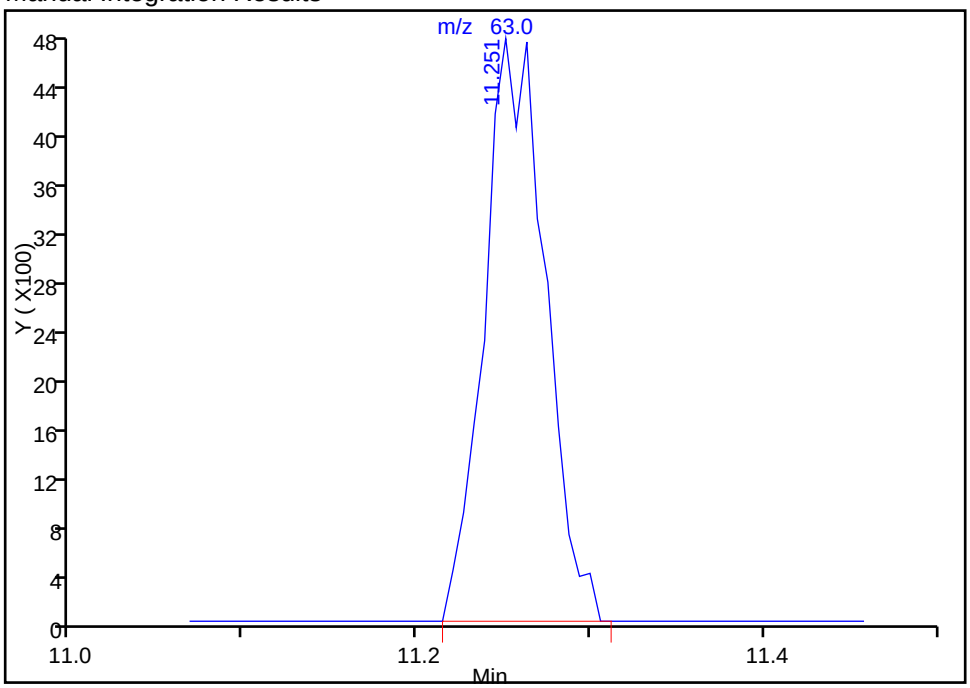
Processing Integration Results

RT: 11.25
Area: 6672
Amount: 3.787532
Amount Units: ug/L



Manual Integration Results

RT: 11.25
Area: 11762
Amount: 4.748519
Amount Units: ug/L



Reviewer: cwiklinc, 02-Dec-2015 09:17:10
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1879.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-Dec-2015 02:40:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0048850-005
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:45 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:25:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	98	428638	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	882153	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	860755	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	551957	50.0	50.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	336799	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	1928130	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	87	671966	50.0	50.0	
10 Dichlorodifluoromethane	85	4.048	4.030	0.018	98	140761	10.0	10.3	
11 Chloromethane	50	4.322	4.340	-0.018	99	121445	10.0	9.96	
17 Vinyl chloride	62	4.559	4.571	-0.012	97	95132	10.0	9.86	
149 Butadiene	54	4.577	4.595	-0.018	98	85457	10.0	9.63	
12 Bromomethane	94	5.113	5.125	-0.012	94	51854	10.0	9.34	
13 Chloroethane	64	5.253	5.252	0.001	96	60539	10.0	9.93	
19 Dichlorofluoromethane	67	5.551	5.557	-0.005	97	210388	10.0	9.94	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	166669	10.0	9.73	
20 Ethyl ether	59	5.970	5.964	0.006	96	125495	10.0	10.3	
22 Acrolein	56	6.220	6.220	0.000	99	132445	50.0	50.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	93	148946	10.0	10.4	
25 1,1-Dichloroethene	96	6.378	6.384	-0.006	93	152664	10.0	10.7	
24 Acetone	43	6.402	6.396	0.006	98	250248	50.0	50.9	
18 Iodomethane	142	6.634	6.633	0.001	100	225813	10.0	10.3	
30 Methyl acetate	43	6.774	6.773	0.001	100	602223	50.0	53.5	
27 Carbon disulfide	76	6.786	6.779	0.007	69	463340	10.0	10.5	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	87	241453	10.0	10.2	
31 Methylene Chloride	84	6.993	6.986	0.006	94	155949	10.0	10.5	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	97	156024	100.0	97.7	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	384549	10.0	10.1	
34 Acrylonitrile	53	7.285	7.272	0.013	96	544229	100.0	105.7	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	92	129541	10.0	10.7	
36 Hexane	57	7.534	7.540	-0.006	95	237037	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	590879	20.0	20.4	
40 1,1-Dichloroethane	63	7.838	7.832	0.006	96	277173	10.0	10.3	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	370725	50.0	51.2	
43 cis-1,2-Dichloroethene	96	8.538	8.531	0.007	86	137228	10.0	10.5	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	67	191774	10.0	10.5	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	64892	10.0	10.4	
51 Tetrahydrofuran	42	8.885	8.872	0.012	65	96092	20.0	20.4	
49 Chloroform	83	8.885	8.884	0.000	96	238071	10.0	10.3	
52 1,1,1-Trichloroethane	97	9.152	9.146	0.006	97	152634	10.0	9.94	
54 Cyclohexane	56	9.225	9.219	0.006	95	277203	10.0	10.1	
53 Isobutyl alcohol	43	9.298	9.292	0.006	92	166239	250.0	239.2	
56 1,1-Dichloropropene	75	9.323	9.316	0.007	90	179084	10.0	10.6	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	175024	10.0	10.2	
57 Benzene	78	9.602	9.602	0.000	97	487868	10.0	10.3	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	220469	10.0	10.3	
59 n-Heptane	43	9.718	9.718	0.000	97	252667	10.0	10.1	
62 Trichloroethene	95	10.363	10.356	0.007	94	132277	10.0	10.3	
64 Methylcyclohexane	83	10.594	10.594	0.000	98	221985	10.0	10.1	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	91	136134	10.0	9.92	
68 1,4-Dioxane	88	10.795	10.788	0.007	98	23240	200.0	214.4	
69 Dibromomethane	93	10.862	10.855	0.007	95	78451	10.0	10.4	
70 Dichlorobromomethane	83	10.996	10.995	0.001	97	169889	10.0	9.87	
71 2-Chloroethyl vinyl ether	63	11.251	11.257	-0.006	92	23701	10.0	9.34	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	196073	10.0	9.83	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	798114	50.0	54.6	
76 Toluene	92	11.975	11.975	0.000	98	328301	10.0	10.5	
77 Ethyl methacrylate	69	12.200	12.200	0.000	93	135912	10.0	9.94	
78 trans-1,3-Dichloropropene	75	12.230	12.236	-0.006	95	182446	10.0	10.1	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	88285	10.0	10.3	
80 Tetrachloroethene	166	12.717	12.717	0.000	94	130245	10.0	10.8	
83 2-Hexanone	43	12.729	12.729	0.000	99	550059	50.0	54.7	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	184962	10.0	10.6	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	91	114483	10.0	9.75	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	111939	10.0	9.97	
87 Chlorobenzene	112	13.885	13.885	0.000	94	354675	10.0	10.4	
89 Ethylbenzene	91	13.952	13.952	0.000	98	588291	10.0	10.8	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	92	121844	10.0	10.5	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	245178	10.0	10.7	
93 o-Xylene	106	14.640	14.639	0.001	97	249836	10.0	10.8	
94 Styrene	104	14.658	14.658	0.000	95	385792	10.0	10.8	
92 Bromoform	173	15.011	15.010	0.001	94	69723	10.0	9.44	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	624683	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	137566	10.0	9.53	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	75	57083	10.0	10.0	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	62	45153	10.0	10.6	
100 Bromobenzene	156	15.601	15.600	0.001	94	157633	10.0	10.4	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	717287	10.0	10.7	
103 2-Chlorotoluene	126	15.802	15.801	0.001	93	145330	10.0	10.7	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	93	537989	10.0	10.5	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	150157	10.0	10.3	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	108446	10.0	9.97	
107 1,2,4-Trimethylbenzene	105	16.300	16.306	-0.006	98	572984	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	699280	10.0	10.4	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	583764	10.0	10.5	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	296695	10.0	10.2	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	96	290097	10.0	10.3	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	543583	10.0	10.2	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	297692	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	77	29115	10.0	9.23	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	200872	10.0	9.85	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	110583	10.0	9.82	
121 Naphthalene	128	19.811	19.810	0.001	97	421943	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	96	173732	10.0	10.3	
S 125 Total BTEX	1				0			53.1	
S 126 Xylenes, Total	1				0			21.4	
S 123 1,2-Dichloroethene, Total	1				0			21.2	
S 124 1,3-Dichloropropene, Total	1				0			20.0	

Reagents:

SS 8260 CORP_00031	Amount Added: 10.00	Units: uL	
SS GAS CORP_00101	Amount Added: 10.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

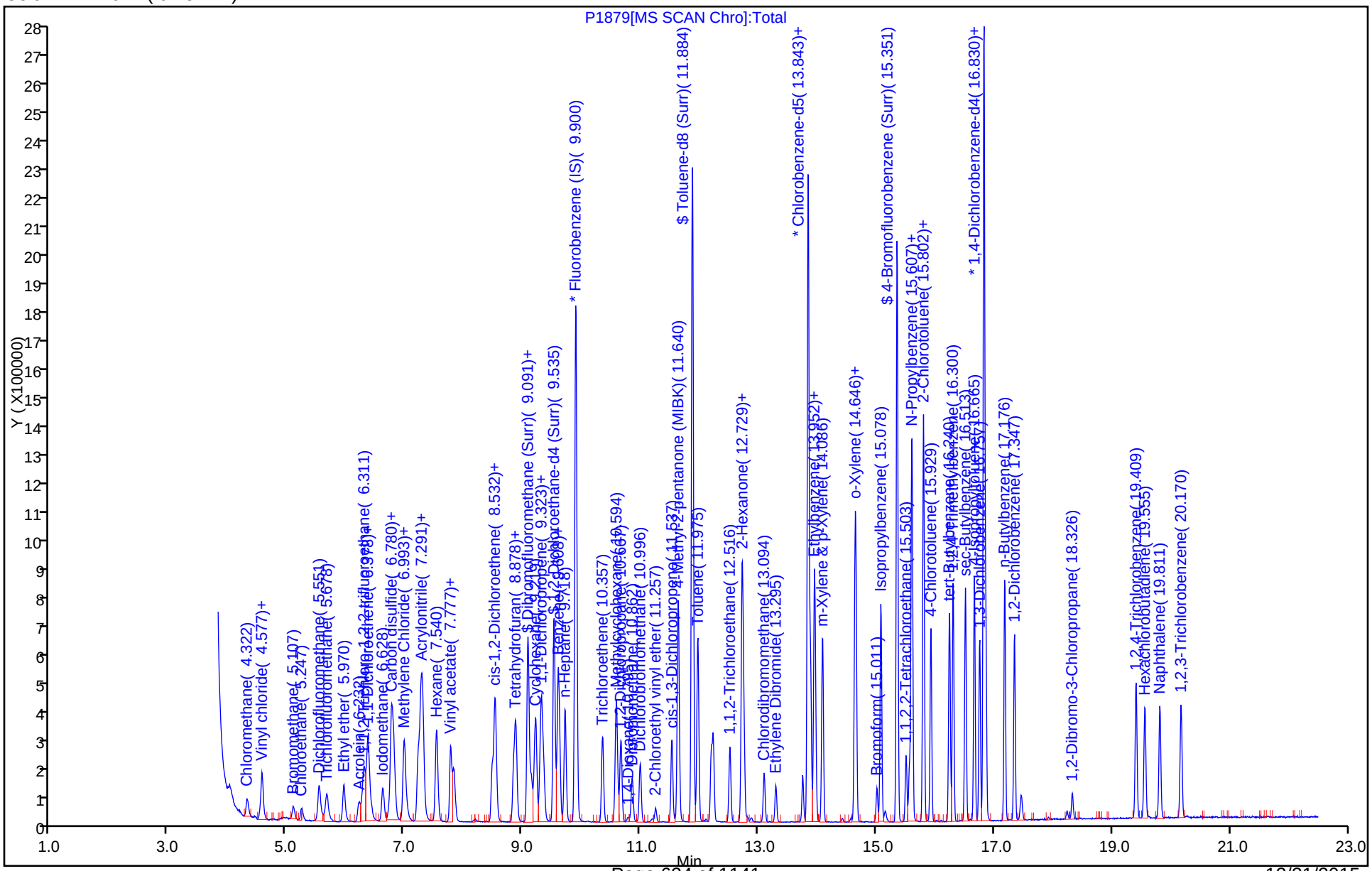
Report Date: 02-Dec-2015 14:53:46 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1879.D

Injection Date:	02-Dec-2015 02:40:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 3			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1880.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-Dec-2015 03:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0048850-006
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:47 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:30:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.901	0.000	97	432460	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	902786	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	867194	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	92	558259	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	336269	50.0	50.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.883	-0.005	93	1975749	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	691127	50.0	50.2	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	266775	20.0	19.4	
11 Chloromethane	50	4.328	4.340	-0.012	99	234305	20.0	19.0	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	198061	20.0	20.3	
149 Butadiene	54	4.577	4.595	-0.018	99	181601	20.0	20.3	
12 Bromomethane	94	5.113	5.125	-0.012	94	105372	20.0	18.8	
13 Chloroethane	64	5.247	5.252	-0.005	96	122014	20.0	19.8	
19 Dichlorofluoromethane	67	5.545	5.557	-0.011	98	425701	20.0	19.9	
14 Trichlorofluoromethane	101	5.666	5.678	-0.012	98	361193	20.0	20.9	
20 Ethyl ether	59	5.964	5.964	0.000	97	243897	20.0	19.9	
22 Acrolein	56	6.220	6.220	0.000	99	272687	100.0	103.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	300076	20.0	20.8	
25 1,1-Dichloroethene	96	6.366	6.384	-0.018	93	299303	20.0	20.7	
24 Acetone	43	6.390	6.396	-0.006	98	502128	100.0	101.3	
18 Iodomethane	142	6.628	6.633	-0.005	99	451308	20.0	20.5	
30 Methyl acetate	43	6.774	6.773	0.001	100	1176068	100.0	103.6	
27 Carbon disulfide	76	6.774	6.779	-0.005	70	921329	20.0	20.6	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	90	485591	20.0	20.3	
31 Methylene Chloride	84	6.986	6.986	0.000	94	285487	20.0	21.2	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	98	326894	200.0	203.0	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	786933	20.0	20.4	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1106998	200.0	213.1	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	93	247938	20.0	20.4	
36 Hexane	57	7.540	7.540	0.000	95	468834	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	1224211	40.0	41.9	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	540834	20.0	20.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	747635	100.0	102.3	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	86	274739	20.0	20.8	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	91	383410	20.0	20.7	
50 Chlorobromomethane	128	8.848	8.848	0.000	91	128802	20.0	20.4	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	198350	40.0	41.7	
49 Chloroform	83	8.878	8.884	-0.006	96	470088	20.0	20.2	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	317418	20.0	20.5	
54 Cyclohexane	56	9.219	9.219	0.000	96	577675	20.0	20.9	
53 Isobutyl alcohol	43	9.298	9.292	0.006	96	360484	500.0	514.1	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	92	353006	20.0	20.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	360487	20.0	20.9	
57 Benzene	78	9.602	9.602	0.000	98	980660	20.0	20.6	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	96	431428	20.0	20.0	
59 n-Heptane	43	9.718	9.718	0.000	98	534593	20.0	21.2	
62 Trichloroethene	95	10.357	10.356	0.001	94	262659	20.0	20.3	
64 Methylcyclohexane	83	10.588	10.594	-0.006	98	464347	20.0	21.0	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	282608	20.0	20.4	
68 1,4-Dioxane	88	10.789	10.788	0.001	96	43535	400.0	392.5	
69 Dibromomethane	93	10.856	10.855	0.001	97	157735	20.0	20.6	
70 Dichlorobromomethane	83	10.996	10.995	0.001	98	350084	20.0	20.2	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	93	52353	20.0	20.5	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	409549	20.0	20.4	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	1625869	100.0	108.7	
76 Toluene	92	11.969	11.975	-0.006	98	655266	20.0	20.4	
77 Ethyl methacrylate	69	12.200	12.200	0.000	94	288243	20.0	20.6	
78 trans-1,3-Dichloropropene	75	12.231	12.236	-0.005	95	377601	20.0	20.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	178791	20.0	20.3	
80 Tetrachloroethene	166	12.717	12.717	0.000	93	257020	20.0	20.9	
83 2-Hexanone	43	12.729	12.729	0.000	99	1129699	100.0	109.7	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	373420	20.0	20.9	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	90	247244	20.0	20.6	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	233012	20.0	20.3	
87 Chlorobenzene	112	13.885	13.885	0.000	93	709939	20.0	20.3	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	1166734	20.0	21.0	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	92	245801	20.0	20.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	488408	20.0	20.7	
93 o-Xylene	106	14.640	14.639	0.001	97	492743	20.0	20.8	
94 Styrene	104	14.658	14.658	0.000	95	789728	20.0	21.5	
92 Bromoform	173	15.011	15.010	0.001	96	153462	20.0	20.3	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	1263902	20.0	20.6	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	283770	20.0	19.5	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	81	111425	20.0	19.4	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	76	89137	20.0	20.8	
100 Bromobenzene	156	15.595	15.600	-0.005	95	313514	20.0	20.6	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	1436816	20.0	21.2	
103 2-Chlorotoluene	126	15.796	15.801	-0.005	94	284664	20.0	20.8	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	94	1087545	20.0	21.0	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	302217	20.0	20.6	
106 tert-Butylbenzene	134	16.240	16.245	-0.005	94	221402	20.0	20.2	
107 1,2,4-Trimethylbenzene	105	16.307	16.306	0.001	97	1148548	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	1428657	20.0	21.1	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1180947	20.0	21.0	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	599729	20.0	20.5	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	94	564625	20.0	20.0	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1103902	20.0	20.6	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	595016	20.0	20.4	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	78	62342	20.0	19.6	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	411815	20.0	20.1	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	241420	20.0	21.2	
121 Naphthalene	128	19.811	19.810	0.001	98	887045	20.0	21.3	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	95	357819	20.0	21.0	
S 125 Total BTEX	1				0			103.5	
S 126 Xylenes, Total	1				0			41.5	
S 123 1,2-Dichloroethene, Total	1				0			41.2	
S 124 1,3-Dichloropropene, Total	1				0			40.9	

Reagents:

SS 8260 CORP_00031	Amount Added: 10.00	Units: uL	
SS GAS CORP_00101	Amount Added: 10.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

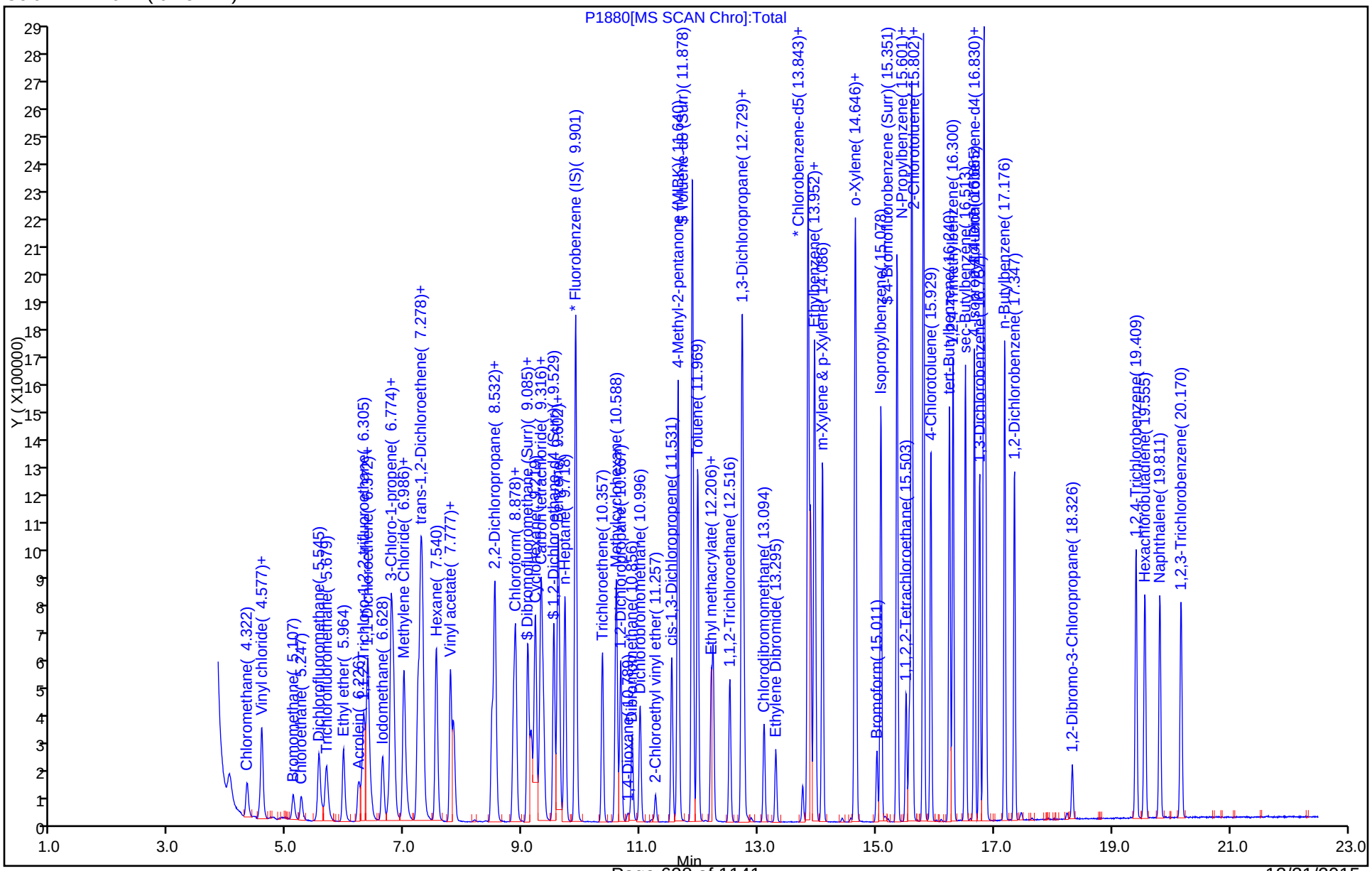
Report Date: 02-Dec-2015 14:53:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1880.D

Injection Date:	02-Dec-2015 03:07:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1881.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 02-Dec-2015 03:34:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0048850-007
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:50 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 14:52:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	450081	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	88	946915	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.829	0.000	96	877240	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	577992	50.0	50.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	350338	50.0	50.4	
$ 5 Toluene-d8 (Surr)	98	11.883	11.883	0.000	93	2070809	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	719452	50.0	49.9	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	751267	50.0	52.5	
11 Chloromethane	50	4.340	4.340	0.000	98	640659	50.0	50.0	
17 Vinyl chloride	62	4.571	4.571	0.000	97	532248	50.0	52.5	
149 Butadiene	54	4.595	4.595	0.000	97	512902	50.0	55.1	
12 Bromomethane	94	5.125	5.125	0.000	94	322013	50.0	55.2	
13 Chloroethane	64	5.252	5.252	0.000	96	338880	50.0	52.9	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	1197026	50.0	53.8	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	977224	50.0	54.3	
20 Ethyl ether	59	5.964	5.964	0.000	97	638081	50.0	50.1	
22 Acrolein	56	6.220	6.220	0.000	97	669511	250.0	244.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	749900	50.0	50.0	
25 1,1-Dichloroethene	96	6.384	6.384	0.000	93	734097	50.0	48.9	
24 Acetone	43	6.396	6.396	0.000	98	1195016	250.0	231.7	
18 Iodomethane	142	6.633	6.633	0.000	99	1150300	50.0	50.2	
30 Methyl acetate	43	6.773	6.773	0.000	100	2829604	250.0	239.4	
27 Carbon disulfide	76	6.779	6.779	0.000	99	2353408	50.0	50.6	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	91	1276565	50.0	51.4	
31 Methylene Chloride	84	6.986	6.986	0.000	94	707575	50.0	54.2	
33 2-Methyl-2-propanol	59	7.010	7.010	0.000	98	807943	500.0	482.0	
32 Methyl tert-butyl ether	73	7.229	7.229	0.000	99	2022584	50.0	50.5	
34 Acrylonitrile	53	7.272	7.272	0.000	96	2598097	500.0	480.6	
35 trans-1,2-Dichloroethene	96	7.302	7.302	0.000	92	623705	50.0	49.2	
36 Hexane	57	7.540	7.540	0.000	95	1213710	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	3159855	100.0	104.0	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	1407760	50.0	50.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1830276	250.0	240.6	
43 cis-1,2-Dichloroethene	96	8.531	8.531	0.000	87	684791	50.0	49.8	
45 2,2-Dichloropropane	77	8.537	8.537	0.000	91	970992	50.0	50.4	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	328381	50.0	49.9	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	470414	100.0	95.0	
49 Chloroform	83	8.884	8.884	0.000	96	1200707	50.0	49.5	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	866902	50.0	53.8	
54 Cyclohexane	56	9.219	9.219	0.000	95	1489459	50.0	51.8	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	924260	1250.0	1266.4	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	902074	50.0	50.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	944831	50.0	52.6	
57 Benzene	78	9.602	9.602	0.000	98	2505618	50.0	50.5	
60 1,2-Dichloroethane	62	9.626	9.626	0.000	96	1102562	50.0	49.2	
59 n-Heptane	43	9.718	9.718	0.000	97	1367554	50.0	52.1	
62 Trichloroethene	95	10.356	10.356	0.000	94	679746	50.0	50.6	
64 Methylcyclohexane	83	10.594	10.594	0.000	98	1208237	50.0	52.5	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	725356	50.0	50.3	
68 1,4-Dioxane	88	10.788	10.788	0.000	98	114160	1000.0	981.3	
69 Dibromomethane	93	10.855	10.855	0.000	96	401912	50.0	50.6	
70 Dichlorobromomethane	83	10.995	10.995	0.000	97	932738	50.0	51.6	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	141034	50.0	53.0	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	1090213	50.0	52.1	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	3883404	250.0	247.5	
76 Toluene	92	11.975	11.975	0.000	97	1637947	50.0	48.7	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	767226	50.0	52.3	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	94	995060	50.0	51.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	461627	50.0	50.1	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	636642	50.0	49.3	
83 2-Hexanone	43	12.729	12.729	0.000	97	2598359	250.0	240.6	
82 1,3-Dichloropropane	76	12.753	12.753	0.000	98	902141	50.0	48.2	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	668166	50.0	53.0	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	598886	50.0	49.7	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1822657	50.0	49.7	
89 Ethylbenzene	91	13.952	13.952	0.000	98	2944462	50.0	50.5	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	93	631599	50.0	50.8	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	1229516	50.0	49.8	
93 o-Xylene	106	14.639	14.639	0.000	98	1224072	50.0	49.2	
94 Styrene	104	14.658	14.658	0.000	95	1952043	50.0	50.7	
92 Bromoform	173	15.010	15.010	0.000	96	420978	50.0	53.1	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	3246518	50.0	52.2	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	96	718058	50.0	48.8	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	83	289628	50.0	49.8	
101 1,2,3-Trichloropropane	110	15.594	15.594	0.000	66	204173	50.0	47.1	
100 Bromobenzene	156	15.600	15.600	0.000	94	746820	50.0	48.5	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	3480300	50.0	50.8	
103 2-Chlorotoluene	126	15.801	15.801	0.000	94	680515	50.0	49.2	
102 1,3,5-Trimethylbenzene	105	15.807	15.807	0.000	94	2641336	50.0	50.4	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	740542	50.0	50.0	
106 tert-Butylbenzene	134	16.245	16.245	0.000	94	566104	50.0	51.1	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	98	2826758	50.0	50.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	3593165	50.0	52.5	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2946288	50.0	51.9	
110 1,3-Dichlorobenzene	146	16.756	16.756	0.000	96	1463874	50.0	49.5	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1391732	50.0	48.6	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2816046	50.0	52.1	
116 1,2-Dichlorobenzene	146	17.346	17.346	0.000	95	1472890	50.0	49.8	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	157761	50.0	49.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	1065814	50.0	51.3	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	624508	50.0	52.8	
121 Naphthalene	128	19.810	19.810	0.000	97	2243480	50.0	51.8	
122 1,2,3-Trichlorobenzene	180	20.175	20.175	0.000	95	921362	50.0	52.0	

Reagents:

SS 8260 CORP_00031	Amount Added: 25.00	Units: uL	
SS GAS CORP_00101	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

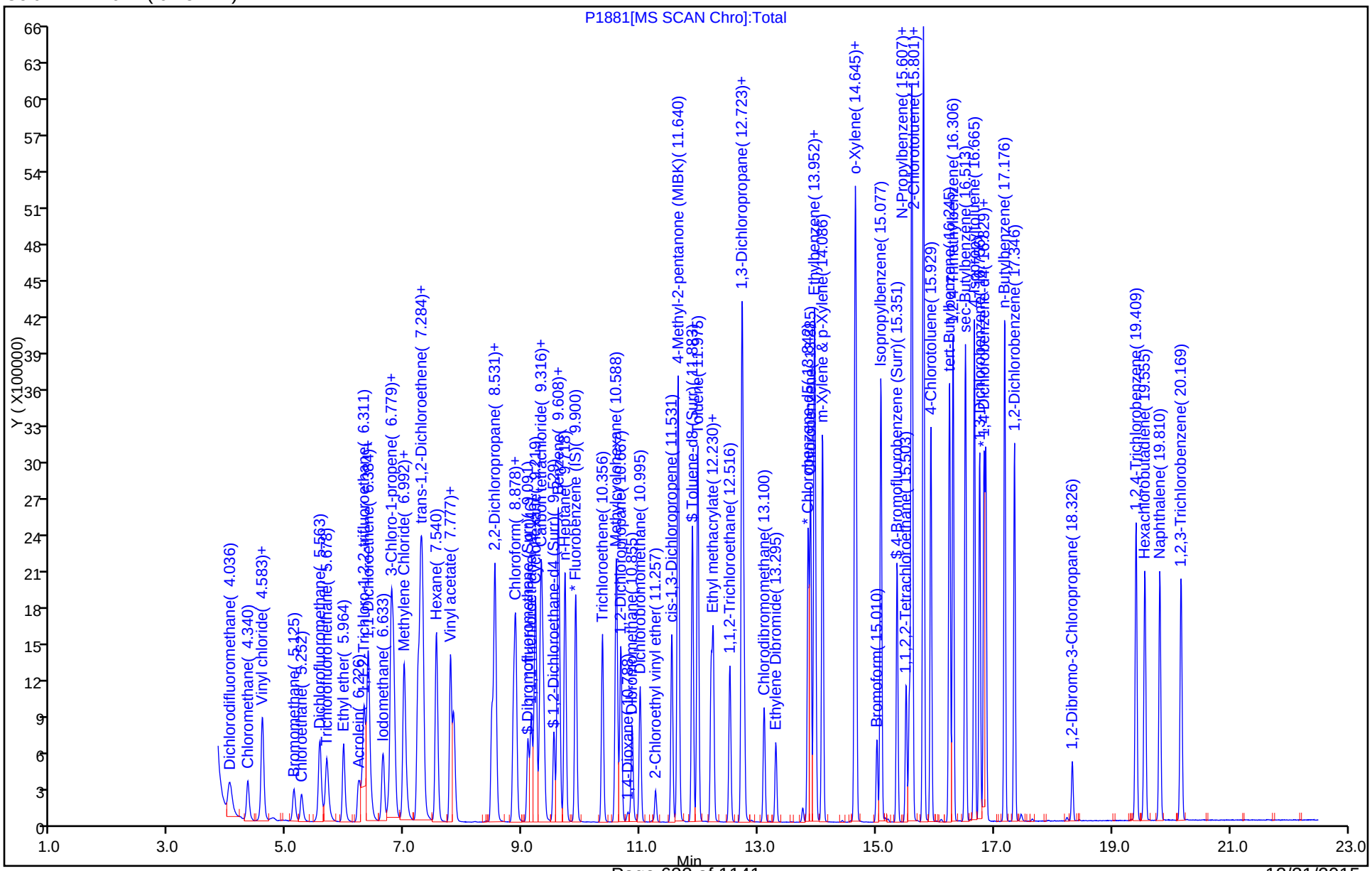
Report Date: 02-Dec-2015 14:53:51 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1881.D

Injection Date:	02-Dec-2015 03:34:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	ICIS 5			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1882.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 02-Dec-2015 04:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0048850-008
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:52 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:36:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	461345	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	88	953437	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.829	0.001	96	845810	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	93	580768	50.0	49.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	349287	50.0	49.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	2128916	50.0	51.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	94	728902	50.0	50.2	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	98	1391626	100.0	94.9	
11 Chloromethane	50	4.346	4.340	0.006	99	1306225	100.0	99.5	
17 Vinyl chloride	62	4.571	4.571	0.000	98	1029790	100.0	99.1	
149 Butadiene	54	4.596	4.595	0.001	97	990694	100.0	103.8	
12 Bromomethane	94	5.125	5.125	0.000	93	576851	100.0	96.5	
13 Chloroethane	64	5.253	5.252	0.001	96	641783	100.0	97.8	
19 Dichlorofluoromethane	67	5.557	5.557	0.001	98	2109082	100.0	92.6	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	99	1828102	100.0	99.2	
20 Ethyl ether	59	5.958	5.964	-0.006	97	1233920	100.0	94.5	
22 Acrolein	56	6.220	6.220	0.000	98	1359152	500.0	484.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	95	1345486	100.0	87.5	
25 1,1-Dichloroethene	96	6.378	6.384	-0.006	93	1298533	100.0	84.4	
24 Acetone	43	6.396	6.396	0.000	98	2391171	500.0	452.3	
18 Iodomethane	142	6.634	6.633	0.001	99	2186222	100.0	93.0	
30 Methyl acetate	43	6.767	6.773	-0.006	100	5549839	500.0	458.2	
27 Carbon disulfide	76	6.780	6.779	0.001	100	4303741	100.0	90.3	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	89	2386889	100.0	93.7	
31 Methylene Chloride	84	6.986	6.986	0.000	94	1338437	100.0	102.1	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	98	1734302	1000.0	1009.4	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	3872834	100.0	94.3	
34 Acrylonitrile	53	7.272	7.272	0.000	96	5059445	1000.0	913.0	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	92	1122958	100.0	86.5	
36 Hexane	57	7.534	7.540	-0.006	95	2162440	100.0	85.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	6106654	200.0	196.0	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	2631452	100.0	91.2	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	97	3732870	500.0	478.7	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	87	1247242	100.0	88.5	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	91	1781452	100.0	90.2	
50 Chlorobromomethane	128	8.842	8.848	-0.006	90	618301	100.0	91.7	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	935032	200.0	184.2	
49 Chloroform	83	8.884	8.884	0.000	96	2235524	100.0	90.0	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	1704930	100.0	103.2	
54 Cyclohexane	56	9.219	9.219	0.000	95	2722424	100.0	92.4	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	1922502	2500.0	2569.9	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	1616833	100.0	88.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	1741387	100.0	94.6	
57 Benzene	78	9.596	9.602	-0.006	98	4574506	100.0	89.9	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	2055153	100.0	89.5	
59 n-Heptane	43	9.718	9.718	0.000	97	2361153	100.0	87.8	
62 Trichloroethene	95	10.351	10.356	-0.005	94	1262465	100.0	91.6	
64 Methylcyclohexane	83	10.588	10.594	-0.006	98	2170576	100.0	92.0	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	1374223	100.0	93.0	
68 1,4-Dioxane	88	10.789	10.788	0.001	98	240298	2000.0	2051.4	
69 Dibromomethane	93	10.856	10.855	0.001	96	767647	100.0	94.2	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	1795135	100.0	96.9	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	289898	100.0	106.2	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	2150281	100.0	100.2	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	98	7324828	500.0	463.7	
76 Toluene	92	11.975	11.975	0.000	98	2898854	100.0	85.6	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	1538750	100.0	104.1	
78 trans-1,3-Dichloropropene	75	12.237	12.236	0.001	97	1914261	100.0	98.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	896787	100.0	96.6	
80 Tetrachloroethene	166	12.717	12.717	0.000	91	1093550	100.0	84.1	
83 2-Hexanone	43	12.729	12.729	0.000	97	4973594	500.0	457.4	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	95	1675605	100.0	89.0	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	1311146	100.0	103.3	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	1188674	100.0	98.0	
87 Chlorobenzene	112	13.885	13.885	0.000	92	3375463	100.0	91.5	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	5112021	100.0	87.1	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	93	1140742	100.0	91.1	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	2220991	100.0	89.3	
93 o-Xylene	106	14.640	14.639	0.001	97	2204490	100.0	88.1	
94 Styrene	104	14.658	14.658	0.000	93	3454683	100.0	89.1	
92 Bromoform	173	15.011	15.010	0.001	96	868649	100.0	108.8	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	5709308	100.0	95.2	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	96	1463968	100.0	103.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	86	609275	100.0	108.6	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	71	377539	100.0	90.3	
100 Bromobenzene	156	15.595	15.600	-0.005	94	1296137	100.0	87.2	
99 N-Propylbenzene	91	15.613	15.607	0.006	98	5788797	100.0	87.6	
103 2-Chlorotoluene	126	15.802	15.801	0.001	94	1155334	100.0	86.6	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	93	4533346	100.0	89.8	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	1318910	100.0	92.3	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	1008252	100.0	94.4	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	98	4986518	100.0	93.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	96	6134856	100.0	93.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	5076420	100.0	92.8	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	96	2563021	100.0	89.9	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	2461210	100.0	89.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	97	4904216	100.0	94.0	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	2662738	100.0	93.5	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	90	338020	100.0	109.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	1966513	100.0	98.2	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	97	1081963	100.0	89.3	
121 Naphthalene	128	19.811	19.810	0.001	98	4444863	100.0	100.1	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	95	1729736	100.0	95.2	
S 125 Total BTEX	1				0			440.0	
S 126 Xylenes, Total	1				0			177.3	
S 123 1,2-Dichloroethene, Total	1				0			175.0	
S 124 1,3-Dichloropropene, Total	1				0			198.7	

Reagents:

SS 8260 CORP_00031	Amount Added:	50.00	Units: uL	
SS GAS CORP_00101	Amount Added:	50.00	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

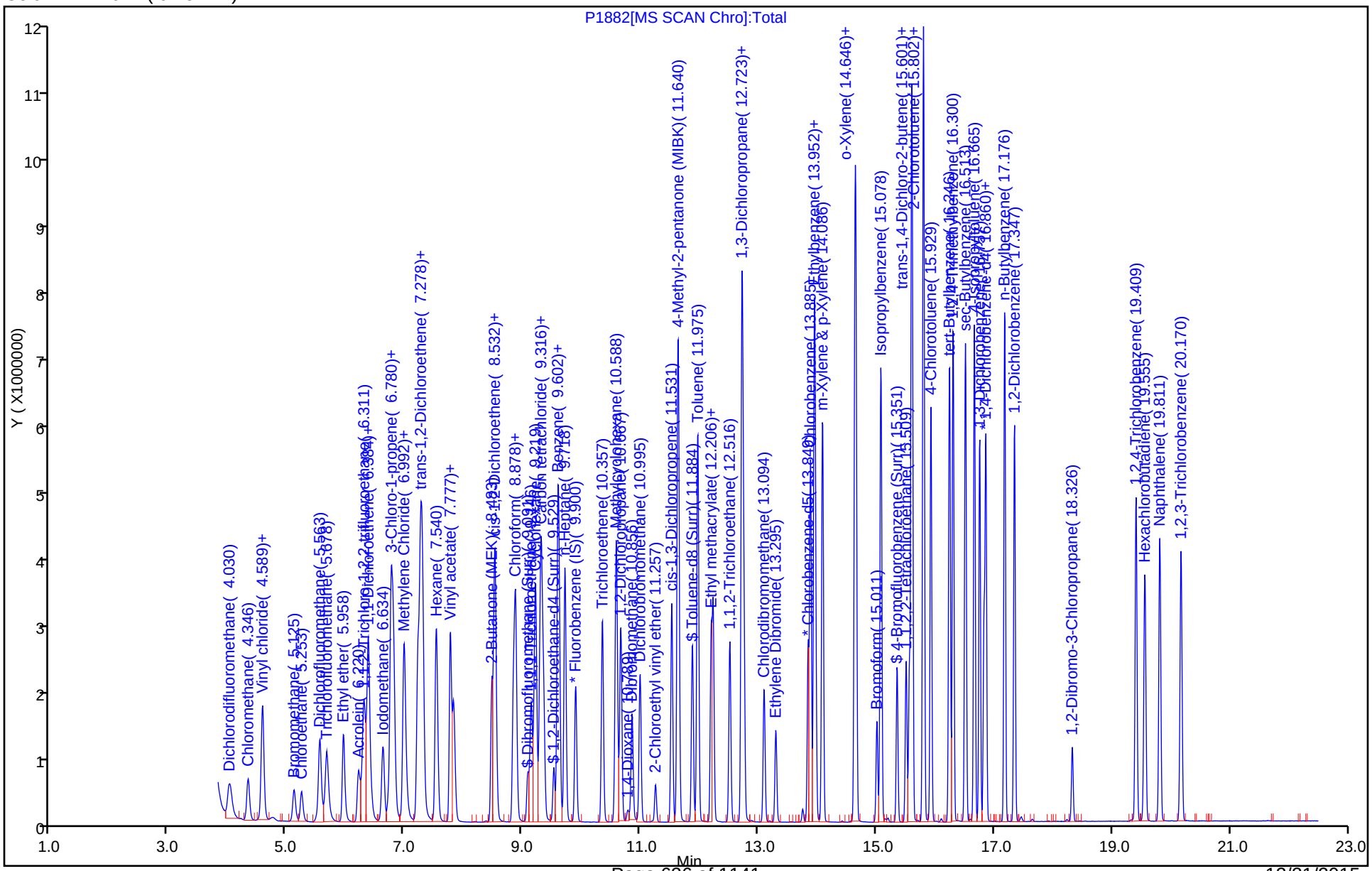
Report Date: 02-Dec-2015 14:53:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1882.D

Injection Date:	02-Dec-2015 04:01:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 6			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1883.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 02-Dec-2015 04:29:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0048850-009
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:55 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:37:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	487744	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	88	1006561	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.829	0.000	97	777024	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	93	599377	50.0	48.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	361212	50.0	47.9	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	2190016	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	760380	50.0	49.6	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	2466470	200.0	159.1	
11 Chloromethane	50	4.358	4.340	0.018	99	2652537	200.0	191.1	
17 Vinyl chloride	62	4.583	4.571	0.012	98	1918595	200.0	174.7	
149 Butadiene	54	4.602	4.595	0.007	96	1899309	200.0	188.2	
12 Bromomethane	94	5.137	5.125	0.012	94	1296852	200.0	205.2	
13 Chloroethane	64	5.259	5.252	0.007	96	1351984	200.0	194.9	
19 Dichlorofluoromethane	67	5.569	5.557	0.013	98	4185863	200.0	173.7	
14 Trichlorofluoromethane	101	5.672	5.678	-0.006	98	3359485	200.0	172.4	
20 Ethyl ether	59	5.958	5.964	-0.006	97	2511239	200.0	181.9	
22 Acrolein	56	6.220	6.220	0.000	99	2715328	1000.0	916.0	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	95	2413978	200.0	148.5	
25 1,1-Dichloroethene	96	6.384	6.384	0.000	93	2320039	200.0	142.6	
24 Acetone	43	6.396	6.396	0.000	97	4780526	1000.0	855.3	
18 Iodomethane	142	6.640	6.633	0.007	100	4216773	200.0	169.7	
30 Methyl acetate	43	6.767	6.773	-0.006	99	10025752	1000.0	782.9	
27 Carbon disulfide	76	6.786	6.779	0.007	100	8012304	200.0	158.9	
28 3-Chloro-1-propene	41	6.816	6.810	0.006	89	4528706	200.0	168.1	
31 Methylene Chloride	84	6.992	6.986	0.006	94	2634503	200.0	192.4	
33 2-Methyl-2-propanol	59	7.005	7.010	-0.005	99	3597825	2000.0	1980.7	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	7580384	200.0	174.6	
34 Acrylonitrile	53	7.278	7.272	0.006	96	9143948	2000.0	1560.8	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	91	2065851	200.0	150.4	
36 Hexane	57	7.540	7.540	0.000	95	4118004	200.0	153.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	98	10855419	400.0	329.6	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	5283257	200.0	173.1	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	7235939	1000.0	877.7	
43 cis-1,2-Dichloroethene	96	8.531	8.531	0.000	87	2391267	200.0	160.6	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	91	3320184	200.0	159.1	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	1191943	200.0	167.3	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	1771423	400.0	330.0	
49 Chloroform	83	8.884	8.884	0.000	96	4313031	200.0	164.2	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	3461521	200.0	198.2	
54 Cyclohexane	56	9.219	9.219	0.000	95	4993164	200.0	160.3	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	3783496	5000.0	4783.8	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	2936606	200.0	152.4	
55 Carbon tetrachloride	117	9.359	9.353	0.006	96	3191098	200.0	163.9	
57 Benzene	78	9.602	9.602	0.000	97	8347272	200.0	155.2	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	3994775	200.0	164.5	
59 n-Heptane	43	9.724	9.718	0.006	97	4441800	200.0	156.2	
62 Trichloroethene	95	10.357	10.356	0.001	95	2475269	200.0	170.0	
64 Methylcyclohexane	83	10.594	10.594	0.000	99	4082400	200.0	163.6	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	93	2730266	200.0	174.9	
68 1,4-Dioxane	88	10.789	10.788	0.000	98	487484	4000.0	3941.9	
69 Dibromomethane	93	10.855	10.855	0.000	96	1493729	200.0	173.4	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	3593055	200.0	183.4	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	652897	200.0	226.2	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	4292390	200.0	189.1	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	91	11586502	1000.0	694.8	
76 Toluene	92	11.975	11.975	0.000	95	5371665	200.0	150.3	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	3032737	200.0	194.4	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	99	3728373	200.0	181.7	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	1773791	200.0	181.0	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	1939868	200.0	141.3	
83 2-Hexanone	43	12.729	12.729	0.000	95	7978354	1000.0	695.0	
82 1,3-Dichloropropane	76	12.760	12.753	0.007	98	3008973	200.0	151.4	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	2598319	200.0	193.9	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	2366219	200.0	184.7	
87 Chlorobenzene	112	13.885	13.885	0.000	90	6165880	200.0	158.3	
89 Ethylbenzene	91	13.952	13.952	0.000	98	8318263	200.0	134.3	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	92	2069800	200.0	156.6	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	97	3993372	200.0	152.1	
93 o-Xylene	106	14.639	14.639	0.000	95	3963472	200.0	150.0	
94 Styrene	104	14.658	14.658	0.000	91	5914374	200.0	144.5	
92 Bromoform	173	15.011	15.010	0.000	96	1746123	200.0	207.1	
95 Isopropylbenzene	105	15.077	15.077	0.000	98	9151719	200.0	166.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	2902871	200.0	222.8	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	91	1169187	200.0	226.8	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	77	643287	200.0	167.5	
100 Bromobenzene	156	15.601	15.600	0.001	94	2229390	200.0	163.3	
99 N-Propylbenzene	91	15.613	15.607	0.006	97	8732356	200.0	143.8	
103 2-Chlorotoluene	126	15.801	15.801	0.000	95	1963082	200.0	160.2	
102 1,3,5-Trimethylbenzene	105	15.807	15.807	0.000	95	7240064	200.0	156.1	
105 4-Chlorotoluene	126	15.929	15.929	0.000	98	2309764	200.0	175.9	
106 tert-Butylbenzene	134	16.245	16.245	0.000	92	1793630	200.0	182.7	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	97	7865294	200.0	159.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	97	9333242	200.0	154.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	93	7923716	200.0	157.6	
110 1,3-Dichlorobenzene	146	16.756	16.756	0.000	95	4387287	200.0	167.6	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	90	4186920	200.0	165.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	93	7777306	200.0	162.3	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	96	4572471	200.0	174.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	673831	200.0	236.5	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	3424086	200.0	186.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	96	1949835	200.0	152.1	
121 Naphthalene	128	19.810	19.810	0.000	98	7575191	200.0	161.4	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	94	3040825	200.0	158.3	
S 125 Total BTEX	1				0			741.7	
S 126 Xylenes, Total	1				0			302.0	
S 123 1,2-Dichloroethene, Total	1				0			311.0	
S 124 1,3-Dichloropropene, Total	1				0			370.8	

Reagents:

SS 8260 CORP_00031	Amount Added: 100.00	Units: uL	
SS GAS CORP_00101	Amount Added: 100.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

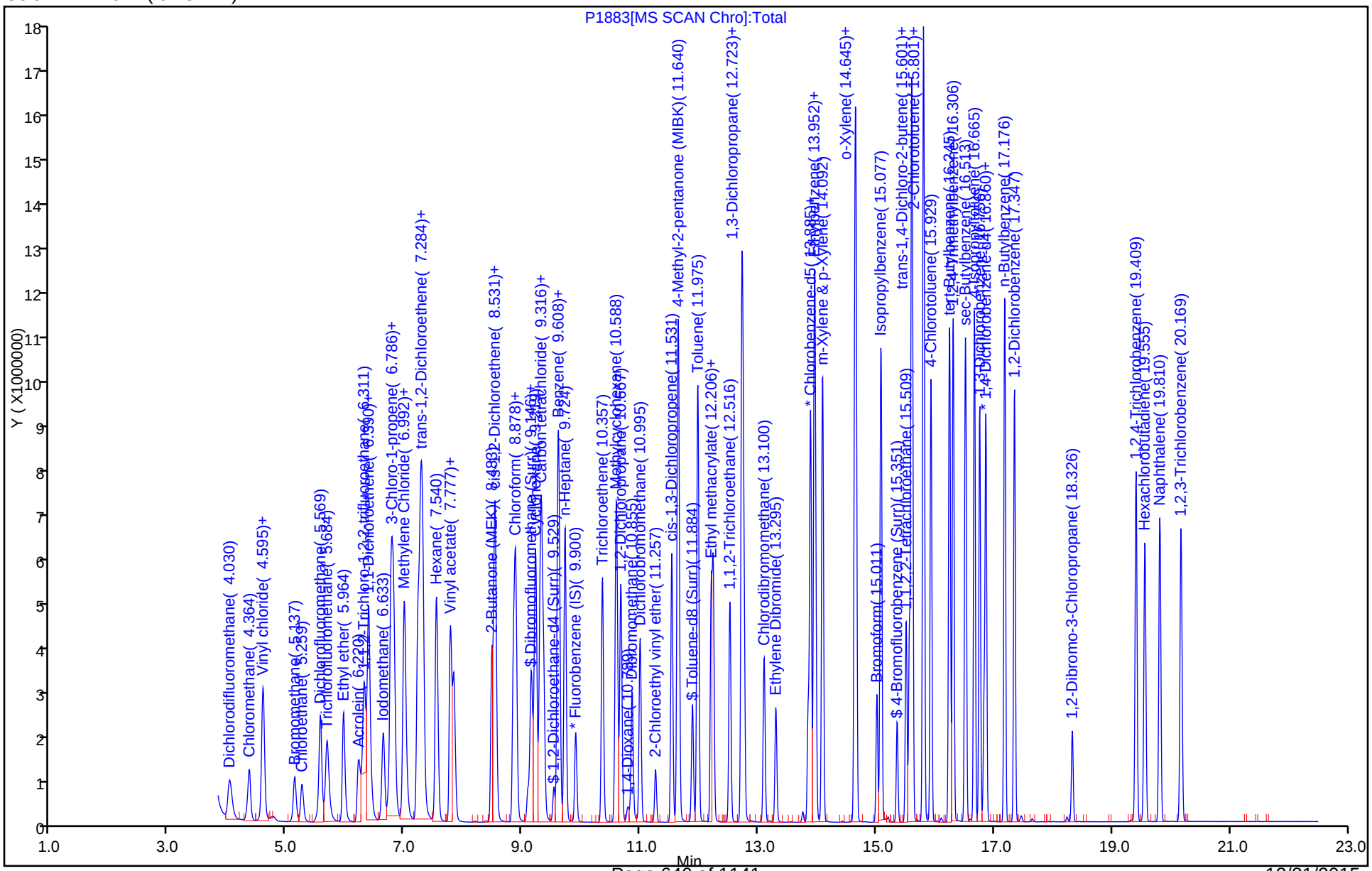
Report Date: 02-Dec-2015 14:53:56 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1883.D

Injection Date:	02-Dec-2015 04:29:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 7			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279905/5	Q7634.D
Level 2	IC 480-279905/6	Q7635.D
Level 3	IC 480-279905/7	Q7636.D
Level 4	IC 480-279905/8	Q7637.D
Level 5	IC 480-279905/9	Q7638.D
Level 6	ICIS 480-279905/10	Q7639.D
Level 7	IC 480-279905/11	Q7640.D
Level 8	IC 480-279905/12	Q7641.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.9097	1.8169 1.7762	2.0037 1.5632	1.9604	1.5666	Ave		1.7995			0.1000	9.9		20.0			
Chloromethane	+++++ 2.4740	2.9119 2.4707	3.1015 2.2932	2.7116	2.3417	Ave		2.6150			0.1000	11.6		20.0			
Vinyl chloride	1.9330 1.9916	1.9479 1.8975	2.1079 1.7279	2.0273	1.7388	Ave		1.9215			0.1000	6.9		20.0			
Butadiene	+++++ 1.7316	1.4192 1.6478	1.5826 1.4830	1.6491	1.4544	Ave		1.5668				7.5		20.0			
Bromomethane	+++++ 1.3225	1.3902 1.2279	1.4426 1.1493	1.3395	1.2318	Ave		1.3005			0.1000	7.9		20.0			
Chloroethane	+++++ 1.1210	1.0346 1.0179	1.1755 0.9664	1.2022	1.0575	Ave		1.0822			0.1000	8.0		20.0			
Trichlorofluoromethane	+++++ 2.1280	1.7000 2.0874	2.2479 1.8599	2.2459	1.8352	Ave		2.0149			0.1000	10.7		20.0			
Dichlorofluoromethane	2.6376 2.7070	3.7467 2.5977	3.2814 2.3839	2.9676	2.6173	Ave		2.8674				15.6		20.0			
Ethyl ether	1.5636 1.5454	1.5096 1.4422	1.6310 1.3818	1.4847	1.5175	Ave		1.5095				5.0		20.0			
Acrolein	0.3384 0.3025	0.2636 0.3444	0.2997 0.3746	0.2893	0.2726	Ave		0.3106				12.4		20.0			
1,1-Dichloroethene	+++++ 1.4477	1.1614 1.4475	1.3747 1.4058	1.4301	1.3246	Ave		1.3703			0.1000	7.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.9513	0.3752 0.8920	0.7240 0.8911	1.0161	1.0718	Lin1	-0.266	0.9170			0.1000				0.9950		0.9900
Acetone	0.6147 0.3673	0.5749 0.4326	0.6149 0.4814	0.5838	0.4544	Ave		0.5155			0.1000	18.2		20.0			
Iodomethane	3.0559 3.1236	2.6668 3.0065	3.0930 2.9530	3.0104	2.9011	Ave		2.9763				4.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 4.6407	4.4755 4.3924	4.7993 4.2300	4.6347	4.2304	Ave		4.4861			0.1000	4.8		20.0			
Allyl chloride	+++++ 2.5769	3.1363 2.4192	3.1314 2.3342	2.5238	2.3998	Ave		2.6459				13.0		20.0			
Methyl acetate	2.4238 2.0418	2.0232 1.8209	2.4299 1.6388	1.9731	1.8667	Ave		2.0273			0.1000	13.7		20.0			
Methylene Chloride	+++++ 1.5896	1.7708 1.5666	1.8279 1.4869	1.5341	1.5042	Ave		1.6114			0.1000	8.3		20.0			
2-Methyl-2-propanol	0.1703 0.1170	0.1495 0.1203	0.1578 0.1558	0.1673	0.1220	Ave		0.1450				15.1		20.0			
Methyl tert-butyl ether	5.5396 5.3636	5.2122 5.1355	5.8753 4.8884	5.2260	5.2961	Ave		5.3171			0.1000	5.5		20.0			
trans-1,2-Dichloroethene	+++++ 1.6667	1.5425 1.5952	1.6768 1.5341	1.5919	1.5054	Ave		1.5875			0.1000	4.1		20.0			
Acrylonitrile	1.2593 1.0189	1.1131 1.0193	1.2383 0.9603	1.1245	1.0629	Ave		1.0996				9.7		20.0			
Hexane	+++++ 2.3271	2.3069 2.2732	2.4958 2.2489	2.3628	1.8397	Ave		2.2649				9.0		20.0			
1,1-Dichloroethane	+++++ 2.9076	2.9018 2.8067	3.1032 2.7056	2.9551	2.7523	Ave		2.8760			0.2000	4.7		20.0			
Vinyl acetate	+++++ 4.4617	4.4461 4.1769	4.9092 3.8423	3.9491	4.0684	Ave		4.2648				8.6		20.0			
2,2-Dichloropropane	+++++ 1.7907	1.6319 1.6693	1.8106 1.5700	1.7511	1.6510	Ave		1.6964				5.3		20.0			
cis-1,2-Dichloroethene	+++++ 1.8035	1.7272 1.7235	1.8375 1.6782	1.7561	1.7082	Ave		1.7478			0.1000	3.2		20.0			
2-Butanone (MEK)	+++++ 1.3297	1.6013 1.2525	1.6075 1.2448	1.2738	1.2851	Ave		1.3707			0.1000	11.8		20.0			
Chlorobromomethane	+++++ 1.0159	0.8959 0.9804	1.0096 0.9678	0.9840	0.9631	Ave		0.9738				4.1		20.0			
Tetrahydrofuran	+++++ 0.9350	0.9052 0.8933	1.0154 0.9144	0.9780	0.9270	Ave		0.9383				4.6		20.0			
Chloroform	+++++ 2.6792	2.7906 2.5346	2.8912 2.4681	2.7352	2.5273	Ave		2.6609			0.2000	5.9		20.0			
1,1,1-Trichloroethane	+++++ 2.1690	1.9578 2.0760	2.1349 2.0464	2.1427	1.9698	Ave		2.0709			0.1000	4.1		20.0			
Cyclohexane	+++++ 2.5955	2.2188 2.5002	2.3248 2.3410	2.4396	2.1817	Ave		2.3717			0.1000	6.3		20.0			
Carbon tetrachloride	+++++ 2.0873	1.7812 2.0927	1.8935 2.0170	2.0237	1.8300	Ave		1.9608			0.1000	6.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 2.1732	1.9828 2.1274	2.1395 2.0606	2.1634	1.9260	Ave		2.0818				4.6		20.0			
Isobutyl alcohol	+++++ 0.1349	0.1614 0.1362	0.1680 0.1437	0.1628	0.1395	Ave		0.1495				9.4		20.0			
Benzene	+++++ 6.0879	6.1472 5.8594	6.5357 5.6214	6.0980	5.6965	Ave		6.0066			0.5000	5.2		20.0			
1,2-Dichloroethane	+++++ 2.2491	2.2837 2.1508	2.4602 2.0698	2.2563	2.1795	Ave		2.2356			0.1000	5.5		20.0			
n-Heptane	+++++ 2.5431	2.7517 2.3815	2.1809 2.1911	2.3944	2.1170	Ave		2.3657				9.6		20.0			
Trichloroethene	+++++ 1.6090	1.5900 1.5774	1.6775 1.5588	1.6205	1.4963	Ave		1.5899			0.2000	3.5		20.0			
Methylcyclohexane	+++++ 2.5874	2.2037 2.5578	2.4020 2.4308	2.5867	2.2019	Ave		2.4243			0.1000	6.9		20.0			
1,2-Dichloropropane	+++++ 1.5683	1.4883 1.4741	1.5783 1.4826	1.4980	1.4658	Ave		1.5079			0.1000	3.0		20.0			
1,4-Dioxane	+++++ 0.0090	+++++ 0.0093	0.0044 0.0093	0.0069	0.0087	Lin1	-0.207	0.0094							1.0000		0.9900
Dibromomethane	1.0603 1.0859	1.0324 1.0448	1.1189 1.0372	1.0524	1.0221	Ave		1.0567			0.1000	3.0		20.0			
Bromodichloromethane	+++++ 2.0096	1.8959 1.9571	1.9811 1.9581	1.9266	1.8704	Ave		1.9427			0.2000	2.5		20.0			
2-Chloroethyl vinyl ether	+++++ 1.1889	1.1735 1.1638	1.1380 1.2148	1.1767	1.0800	Ave		1.1622				3.7		20.0			
trans-1,3-Dichloropropene	+++++ 1.3332	1.1778 1.3209	1.2356 1.3014	1.2437	1.2226	Ave		1.2622			0.1000	4.5		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 1.4235	1.5323 1.2931	1.5671 1.0383	1.4855	1.4340	Ave		1.3963			0.1000	13.0		20.0			
Toluene	+++++ 2.0015	2.0391 1.9730	2.0177 1.8807	1.9989	1.8755	Ave		1.9695			0.4000	3.3		20.0			
cis-1,3-Dichloropropene	+++++ 2.2629	2.0180 2.2404	2.0707 2.2790	2.1294	1.9898	Ave		2.1414			0.2000	5.6		20.0			
Ethyl methacrylate	+++++ 1.2404	1.2931 1.2094	1.2550 1.1713	1.2373	1.1831	Ave		1.2271				3.5		20.0			
1,1,2-Trichloroethane	+++++ 0.6114	0.6326 0.6031	0.6073 0.5966	0.5991	0.5899	Ave		0.6057			0.1000	2.3		20.0			
Tetrachloroethene	+++++ 0.9155	0.8660 0.9262	0.8592 0.9099	0.9161	0.8302	Ave		0.8890			0.2000	4.1		20.0			
1,3-Dichloropropane	+++++ 1.2776	1.2712 1.2675	1.2502 1.2495	1.2372	1.2047	Ave		1.2511				2.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 1.0311	1.2695 0.9306	1.2373 0.7851	1.1596	1.0736	Ave		1.0695			0.1000	16.1		20.0			
Dibromochloromethane	0.8789 0.9327	0.8226 0.9553	0.8058 0.9604	0.8339	0.8504	Ave		0.8800			0.1000	7.0		20.0			
1,2-Dibromoethane	+++++ 0.8469	0.8020 0.8497	0.8184 0.8412	0.8048	0.8085	Ave		0.8245				2.5		20.0			
Chlorobenzene	+++++ 2.2862	2.3055 2.2511	2.3193 2.1594	2.2656	2.1605	Ave		2.2497			0.5000	2.9		20.0			
Ethylbenzene	+++++ 3.6071	3.7656 3.4866	3.7049 3.1191	3.6705	3.4041	Ave		3.5368			0.1000	6.3		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.9085	0.8085 0.9092	0.8571 0.8801	0.8536	0.8603	Ave		0.8682				4.0		20.0			
m,p-Xylene	+++++ 1.4993	1.5316 1.4872	1.5052 1.4513	1.4904	1.4184	Ave		1.4833			0.1000	2.5		20.0			
o-Xylene	+++++ 1.5256	1.4845 1.4968	1.4922 1.4219	1.5119	1.4576	Ave		1.4844			0.3000	2.3		20.0			
Styrene	+++++ 2.4666	2.4564 2.4054	2.4731 2.2638	2.4710	2.3354	Ave		2.4103			0.3000	3.4		20.0			
Bromoform	0.6763 0.6532	0.5558 0.6791	0.5606 0.6997	0.5759	0.5910	Ave		0.6240			0.1000	9.5		20.0			
Isopropylbenzene	+++++ 3.1301	3.0966 3.0763	3.1866 2.8082	3.1423	2.9400	Ave		3.0543			0.1000	4.4		20.0			
Bromobenzene	+++++ 0.8848	0.8857 0.8856	0.9180 0.8835	0.8945	0.8499	Ave		0.8860				2.3		20.0			
1,1,2,2-Tetrachloroethane	+++++ 1.0316	1.0767 1.0098	1.1187 0.9746	1.0272	1.0203	Ave		1.0370			0.3000	4.5		20.0			
1,2,3-Trichloropropane	+++++ 0.3501	0.3549 0.3462	0.3584 0.3380	0.3502	0.3443	Ave		0.3489				1.9		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2978	0.2992 0.2988	0.2630 0.2966	0.2841	0.2754	Ave		0.2878				4.9		20.0			
N-Propylbenzene	+++++ 3.5595	3.6904 3.4214	3.6791 3.0115	3.6416	3.3839	Ave		3.4839				6.9		20.0			
2-Chlorotoluene	+++++ 0.8175	0.8276 0.8210	0.8128 0.8039	0.7956	0.7715	Ave		0.8071				2.4		20.0			
1,3,5-Trimethylbenzene	+++++ 2.6716	2.6122 2.6347	2.7105 2.3777	2.6813	2.5309	Ave		2.6027				4.4		20.0			
4-Chlorotoluene	+++++ 0.8376	0.8825 0.8368	0.8627 0.8344	0.8388	0.7930	Ave		0.8408				3.3		20.0			
tert-Butylbenzene	+++++ 0.6642	0.6159 0.6714	0.6233 0.6370	0.6384	0.5932	Ave		0.6348				4.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.7564	2.8805 2.6925	2.8712 2.4148	2.7570	2.6374	Ave		2.7157				5.9		20.0			
sec-Butylbenzene	+++++ 3.2398	3.0671 3.1813	3.1179 2.8135	3.2251	2.9497	Ave		3.0849				5.1		20.0			
4-Isopropyltoluene	+++++ 3.0464	2.8327 2.9644	2.9875 2.5946	3.0171	2.7799	Ave		2.8889				5.6		20.0			
1,3-Dichlorobenzene	+++++ 1.6914	1.7630 1.6616	1.7658 1.5535	1.6741	1.6272	Ave		1.6767			0.6000	4.5		20.0			
1,4-Dichlorobenzene	+++++ 1.7382	1.8516 1.7157	1.8344 1.6143	1.7507	1.6796	Ave		1.7406			0.5000	4.8		20.0			
n-Butylbenzene	+++++ 2.3937	2.3026 2.3428	2.3812 2.0648	2.4363	2.2015	Ave		2.3033				5.6		20.0			
1,2-Dichlorobenzene	+++++ 1.6732	1.7341 1.6432	1.7345 1.5423	1.6607	1.6171	Ave		1.6579			0.4000	4.1		20.0			
1,2-Dibromo-3-Chloropropane	0.2533 0.2595	0.2259 0.2593	0.2562 0.2493	0.2484	0.2522	Ave		0.2505			0.0500	4.3		20.0			
1,2,4-Trichlorobenzene	+++++ 1.1938	1.1861 1.1843	1.2665 1.1317	1.2251	1.1504	Ave		1.1911			0.2000	3.8		20.0			
Hexachlorobutadiene	+++++ 0.4391	0.3662 0.4371	0.4390 0.4141	0.4310	0.3867	Ave		0.4162				7.0		20.0			
Naphthalene	+++++ 3.9184	3.9155 3.7976	4.2299 3.2908	4.0150	3.9367	Ave		3.8720				7.5		20.0			
1,2,3-Trichlorobenzene	+++++ 1.1370	1.1071 1.1289	1.1766 1.1203	1.1634	1.0973	Ave		1.1329				2.5		20.0			
Dibromofluoromethane (Surr)	1.3689 1.3925	1.3754 1.3531	1.4367 1.3580	1.3687	1.3757	Ave		1.3786				1.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8092 0.8042	0.7884 0.7774	0.8263 0.7587	0.7916	0.7877	Ave		0.7929				2.6		20.0			
Toluene-d8 (Surr)	2.4800 2.5379	2.4729 2.5155	2.4922 2.5411	2.4720	2.5048	Ave		2.5020				1.1		20.0			
4-Bromofluorobenzene (Surr)	0.8676 0.8873	0.8679 0.8737	0.8657 0.8941	0.8917	0.8814	Ave		0.8787				1.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279905/5	Q7634.D
Level 2	IC 480-279905/6	Q7635.D
Level 3	IC 480-279905/7	Q7636.D
Level 4	IC 480-279905/8	Q7637.D
Level 5	IC 480-279905/9	Q7638.D
Level 6	ICIS 480-279905/10	Q7639.D
Level 7	IC 480-279905/11	Q7640.D
Level 8	IC 480-279905/12	Q7641.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 193697	7337 379494	15294 691789	38584	63340	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 250942	11759 527893	23673 1014836	53369	94678	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3956 202004	7866 405416	16089 764658	39901	70301	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 175636	5731 352069	12080 656277	32457	58803	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 134142	5614 262358	11011 508625	26363	49802	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 113708	4178 217492	8972 427660	23661	42755	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 215844	6865 445984	17158 823088	44202	74198	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	5398 274569	15130 555013	25046 1054978	58407	105821	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3200 156752	6096 308135	12449 611495	29221	61353	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3463 153401	5322 367970	11436 828786	28467	55103	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 146839	4690 309262	10493 622104	28147	53556	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 96486	1515 190588	5526 394368	19999	43333	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	6290 186287	11607 462145	23468 1065123	57450	91867	2.50 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	6254 316829	10769 642373	23608 1306824	59250	117292	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 470710	18073 938461	36632 1871950	91218	171040	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	+++++ 261376	12665 516880	23901 1032989	49673	97024	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	24802 1035503	40850 1945240	92733 3626141	194166	377368	2.50 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Ave	+++++ 161235	7151 334721	13952 657996	30193	60818	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3485 118702	6039 257093	12045 689344	32935	49313	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	11337 544027	21048 1097247	44845 2163314	102857	214124	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 169049	6229 340837	12799 678888	31331	60866	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	25773 1033500	44948 2177832	94516 4249803	221323	429741	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 236035	9316 485677	19050 995240	46503	74382	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	+++++ 294916	11718 599676	23686 1197343	58161	111277	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	+++++ 905103	35909 1784870	74942 3400704	155450	328978	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 181626	6590 356652	13820 694800	34464	66750	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 182933	6975 368245	14025 742682	34563	69063	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 674356	32332 1338025	61348 2754291	125354	259785	+++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	+++++ 103045	3618 209478	7706 428277	19366	38938	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 189680	7311 381741	15500 809316	38497	74961	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 271755	11269 541534	22068 1092243	53833	102181	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 220000	7906 443559	16295 905631	42171	79641	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 263265	8960 534197	17745 1036000	48015	88208	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 211716	7193 447127	14453 892601	39829	73989	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 220424	8007 454536	16330 911898	42580	77868	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 342108	16291 727719	32050 1589365	80111	141022	+++++ 625	25.0 1250	50.0 2500	125	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	+++++ 617499	24824 1251911	49886 2487699	120018	230313	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	+++++ 228126	9222 459537	18778 915976	44407	88117	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 257950	11112 508828	16646 969649	47126	85590	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	+++++ 163200	6421 337027	12804 689821	31895	60498	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 262442	8899 546496	18334 1075718	50910	89023	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 159076	6010 314960	12047 656126	29484	59264	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	+++++ 34450	+++++ 73896	1302 158807	5170	12919	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2170 110138	4169 223239	8540 458984	20712	41323	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	+++++ 203829	7656 418152	15121 866543	37919	75620	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 120595	4739 248660	8686 537582	23159	43665	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 256178	9101 526304	18116 1110901	46594	90898	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 1367581	59201 2576299	114886 4431677	278280	533066	+++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	+++++ 384584	15756 786172	29584 1605378	74891	139437	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 229523	8149 478669	15805 1008566	41910	80449	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	+++++ 238349	9992 481910	18400 999888	46355	87958	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 117476	4888 240303	8904 509253	22444	43861	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 175917	6692 369050	12598 776687	34322	61723	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	+++++ 245494	9823 505031	18331 1066602	46353	89564	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 990582	49047 1854060	90708 3350883	217230	399102	+++++ 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	3354 179224	6356 380630	11814 819862	31244	63226	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 162733	6197 338587	11999 718110	30153	60108	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	+++++ 439289	17815 896953	34005 1843354	84880	160632	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 693113	29097 1389246	54321 2662578	137516	253085	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 174570	6247 362287	12567 751240	31981	63962	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 288084	11835 592592	22069 1238850	55840	105457	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	+++++ 293149	11471 596404	21879 1213780	56643	108367	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	+++++ 473962	18981 958458	36260 1932447	92578	173636	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	2581 125520	4295 270602	8220 597316	21576	43940	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 719664	27296 1453545	53823 2805870	140548	258054	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 203424	7807 418471	15505 882816	40010	74598	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 237178	9491 477122	18896 973777	45943	89557	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 80501	3128 163574	6053 337716	15662	30222	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 68463	2637 141178	4443 296347	12706	24174	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 818387	32530 1616646	62142 3009029	162882	297021	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 187967	7295 387907	13729 803193	35584	67722	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 614248	23026 1244899	45781 2375750	119926	222146	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 192587	7779 395388	14572 833754	37519	69603	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 152715	5429 317221	10527 636463	28555	52069	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 633728	25391 1272200	48496 2412791	123313	231500	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 744885	27036 1503160	52663 2811217	144251	258913	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 700403	24970 1400672	50460 2592465	134947	244005	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 388889	15540 785133	29825 1552217	74878	142825	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 279905

SDG No.:

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2015 00:00 Calibration End Date: 12/16/2015 02:44 Calibration ID: 25844

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 399649	16321 810679	30984 1612999	78304	147424	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 550356	20297 1106998	40220 2063110	108971	193235	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 384694	15286 776438	29297 1540985	74279	141937	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1102 59668	1991 122533	4328 249103	11111	22140	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 274470	10455 559589	21392 1130736	54797	100976	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	+++++ 100948	3228 206531	7415 413737	19279	33940	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	+++++ 900900	34514 1794386	71445 3288068	179582	345542	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 261405	9759 533429	19874 1119397	52036	96311	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	140072 141246	138855 144555	137078 150243	134693	139050	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	82807 81570	79590 83052	78833 83935	77902	79620	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	473214 487660	477713 501155	456751 542286	463063	465574	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	165548 170486	167662 174056	158664 190811	167037	163817	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7634.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Dec-2015 00:00:30 ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0049261-005
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:31:18 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: gentilej Date: 16-Dec-2015 15:38:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.119	5.121	-0.002	99	102327	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.406	7.408	-0.002	85	190814	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.274	9.276	-0.002	94	217498	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.642	0.002	94	140072	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.894	4.891	0.003	0	82807	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	6.287	6.290	-0.003	93	473214	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	8.337	8.340	-0.003	95	165548	25.0	24.7	
10 Dichlorodifluoromethane	85	1.432	1.442	-0.010	85	3834	0.5000	0.6398	
12 Chloromethane	50	1.621	1.630	-0.009	40	6089	0.5000	0.5832	
13 Vinyl chloride	62	1.724	1.716	0.008	30	3956	0.5000	0.5030	
144 Butadiene	54	1.743	1.740	0.003	23	2476	0.5000	0.3970	
14 Bromomethane	94	2.041	2.050	-0.009	11	1747	0.5000	0.3282	
15 Chloroethane	64	2.150	2.135	0.015	1	1716	0.5000	0.3874	
17 Trichlorofluoromethane	101	2.314	2.318	-0.004	89	3162	0.5000	0.3834	
16 Dichlorofluoromethane	67	2.345	2.342	0.003	85	5398	0.5000	0.4677	
18 Ethyl ether	59	2.594	2.598	-0.004	86	3200	0.5000	0.5179	
20 Acrolein	56	2.740	2.744	-0.004	37	3463	2.50	2.76	
22 1,1-Dichloroethene	96	2.801	2.798	0.003	95	3571	0.5000	0.6367	
21 1,1,2-Trichloro-1,2,2-trif	101		2.817				ND	ND	
23 Acetone	43	2.880	2.884	-0.004	98	6290	2.50	2.94	M
25 Iodomethane	142	2.941	2.938	0.003	96	6254	0.5000	0.5134	
26 Carbon disulfide	76	2.984	2.981	0.003	99	12353	0.5000	0.6727	
28 3-Chloro-1-propene	41	3.130	3.127	0.003	90	9033	0.5000	0.8341	
27 Methyl acetate	43	3.160	3.163	-0.003	99	24802	2.50	2.88	
30 Methylene Chloride	84	3.245	3.249	-0.004	93	4384	0.5000	0.6647	
31 2-Methyl-2-propanol	59	3.379	3.376	0.003	91	3485	5.00	5.87	
32 Methyl tert-butyl ether	73	3.458	3.449	0.009	96	11337	0.5000	0.5209	
34 trans-1,2-Dichloroethene	96	3.464	3.462	0.002	97	3959	0.5000	0.6093	
33 Acrylonitrile	53	3.482	3.480	0.002	98	25773	5.00	6.18	
35 Hexane	57	3.647	3.644	0.003	94	6612	0.5000	0.7132	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.811	3.814	-0.003	11	6826	0.5000	0.5799	
37 Vinyl acetate	43	3.854	3.851	0.003	97	22424	1.00	1.28	
44 2,2-Dichloropropane	77	4.255	4.252	0.003	84	4394	0.5000	0.6328	
45 cis-1,2-Dichloroethene	96	4.273	4.271	0.002	79	4190	0.5000	0.5857	
43 2-Butanone (MEK)	43	4.292	4.283	0.009	100	17558	2.50	3.13	
48 Chlorobromomethane	128	4.462	4.459	0.003	92	2287	0.5000	0.5787	
49 Tetrahydrofuran	42	4.492	4.484	0.008	90	4986	1.00	1.30	
50 Chloroform	83	4.523	4.520	0.003	92	6970	0.5000	0.6400	
51 1,1,1-Trichloroethane	97	4.632	4.630	0.002	94	5315	0.5000	0.6270	
52 Cyclohexane	56	4.657	4.654	0.003	88	6180	0.5000	0.6366	
55 Carbon tetrachloride	117	4.748	4.751	-0.003	77	4506	0.5000	0.5615	
54 1,1-Dichloropropene	75	4.754	4.751	0.003	93	5376	0.5000	0.6309	
53 Isobutyl alcohol	43	4.876	4.873	0.003	93	11008	12.5	17.9	M
57 Benzene	78	4.912	4.915	-0.003	93	15105	0.5000	0.6144	
58 1,2-Dichloroethane	62	4.949	4.952	-0.003	95	5530	0.5000	0.6043	
59 n-Heptane	43	5.058	5.061	-0.003	92	5661	0.5000	0.5846	
62 Trichloroethene	95	5.393	5.390	0.003	93	3967	0.5000	0.6096	
64 Methylcyclohexane	83	5.502	5.506	-0.004	92	6200	0.5000	0.6248	
65 1,2-Dichloropropane	63	5.569	5.572	-0.003	88	3420	0.5000	0.5541	
66 1,4-Dioxane	88		5.670				ND	ND	
67 Dibromomethane	93	5.679	5.676	0.003	92	2170	0.5000	0.5017	
68 Dichlorobromomethane	83	5.782	5.785	-0.003	93	4440	0.5000	0.5584	
69 2-Chloroethyl vinyl ether	63	5.989	5.986	0.003	88	2607	0.5000	0.5480	
77 trans-1,3-Dichloropropene	75	6.104	6.108	-0.004	93	5347	0.5000	0.5550	
73 4-Methyl-2-pentanone (MIBK	43	6.202	6.205	-0.003	96	33749	2.50	3.17	
74 Toluene	92	6.342	6.339	0.003	98	9409	0.5000	0.6259	
72 cis-1,3-Dichloropropene	75	6.524	6.528	-0.004	97	4873	0.5000	0.5560	
75 Ethyl methacrylate	69	6.555	6.552	0.003	92	5243	0.5000	0.5598	
79 1,1,2-Trichloroethane	83	6.670	6.674	-0.004	85	2712	0.5000	0.5866	
81 Tetrachloroethene	166	6.755	6.753	0.002	93	4149	0.5000	0.6114	
82 1,3-Dichloropropane	76	6.798	6.801	-0.003	92	5587	0.5000	0.5851	
80 2-Hexanone	43	6.834	6.832	0.002	97	26758	2.50	3.28	
83 Chlorodibromomethane	129	6.980	6.984	-0.004	83	3354	0.5000	0.4994	
84 Ethylene Dibromide	107	7.072	7.069	0.003	96	3594	0.5000	0.5711	
87 Chlorobenzene	112	7.431	7.434	-0.003	96	10476	0.5000	0.6101	
88 Ethylbenzene	91	7.498	7.495	0.003	97	17608	0.5000	0.6523	
89 1,1,1,2-Tetrachloroethane	131	7.498	7.495	0.003	45	3519	0.5000	0.5311	
90 m-Xylene & p-Xylene	106	7.583	7.586	-0.003	0	7350	0.5000	0.6492	
91 o-Xylene	106	7.905	7.902	0.003	95	6834	0.5000	0.6032	
92 Styrene	104	7.923	7.921	0.002	94	10972	0.5000	0.5964	
95 Bromoform	173	8.106	8.109	-0.003	93	2581	0.5000	0.5419	
94 Isopropylbenzene	105	8.185	8.188	-0.003	95	17223	0.5000	0.6482	
101 Bromobenzene	156	8.465	8.468	-0.003	90	4518	0.5000	0.5861	
97 1,1,2,2-Tetrachloroethane	83	8.471	8.468	0.003	91	5212	0.5000	0.5777	
100 1,2,3-Trichloropropane	110	8.501	8.505	-0.004	87	1839	0.5000	0.6059	
98 trans-1,4-Dichloro-2-buten	53	8.507	8.505	0.002	69	1364	0.5000	0.5447	
99 N-Propylbenzene	91	8.520	8.517	0.003	98	20398	0.5000	0.6730	
103 2-Chlorotoluene	126	8.611	8.608	0.003	97	4016	0.5000	0.5719	
102 1,3,5-Trimethylbenzene	105	8.659	8.657	0.002	95	14419	0.5000	0.6368	
105 4-Chlorotoluene	126	8.696	8.699	-0.003	95	4271	0.5000	0.5838	
106 tert-Butylbenzene	134	8.921	8.924	-0.003	92	3043	0.5000	0.5510	
107 1,2,4-Trimethylbenzene	105	8.964	8.967	-0.003	96	15137	0.5000	0.6407	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.097	9.101	-0.004	93	17293	0.5000	0.6443	
110 4-Isopropyltoluene	119	9.213	9.216	-0.003	97	15596	0.5000	0.6205	
111 1,3-Dichlorobenzene	146	9.225	9.223	0.002	97	8886	0.5000	0.6092	
113 1,4-Dichlorobenzene	146	9.298	9.296	0.002	95	9454	0.5000	0.6243	
115 n-Butylbenzene	91	9.554	9.557	-0.003	97	13589	0.5000	0.6781	
116 1,2-Dichlorobenzene	146	9.608	9.612	-0.004	98	8616	0.5000	0.5974	
117 1,2-Dibromo-3-Chloropropan	75	10.272	10.269	0.003	81	1102	0.5000	0.5056	
119 1,2,4-Trichlorobenzene	180	10.935	10.932	0.003	92	5763	0.5000	0.5561	
120 Hexachlorobutadiene	225	11.044	11.042	0.002	89	2327	0.5000	0.6427	
121 Naphthalene	128	11.135	11.133	0.002	96	20824	0.5000	0.6182	
122 1,2,3-Trichlorobenzene	180	11.324	11.327	-0.003	94	5507	0.5000	0.5587	
S 125 1,2-Dichloroethene, Total	1				0			1.19	
S 126 1,3-Dichloropropene, Total	1				0			1.11	
S 123 Total BTEX	1				0			3.14	
S 124 Xylenes, Total	1				0			1.25	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	0.50	Units: uL	
GAS CORP mix_00126	Amount Added:	0.50	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

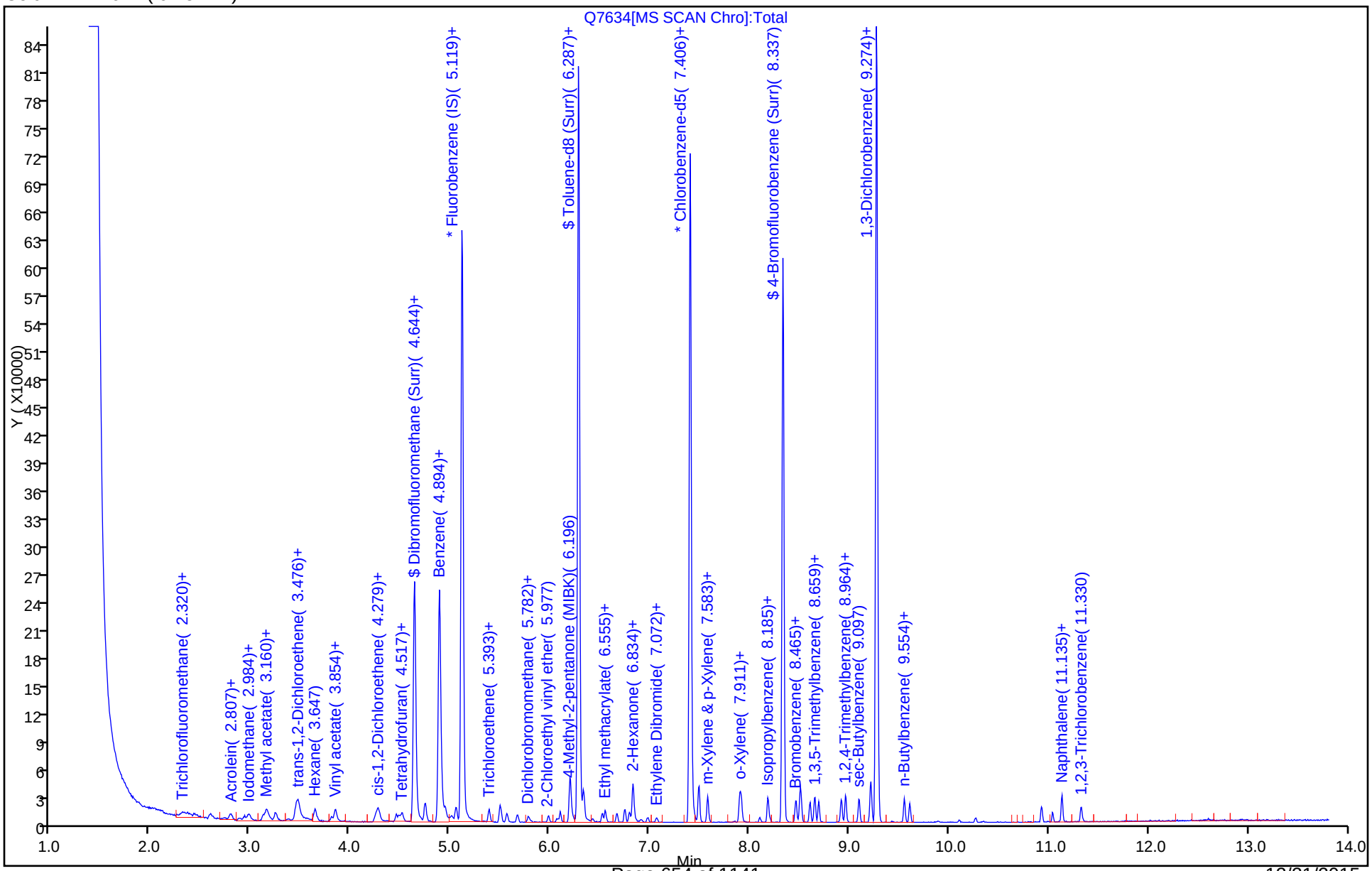
Report Date: 16-Dec-2015 18:31:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7634.D

Injection Date:	16-Dec-2015 00:00:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

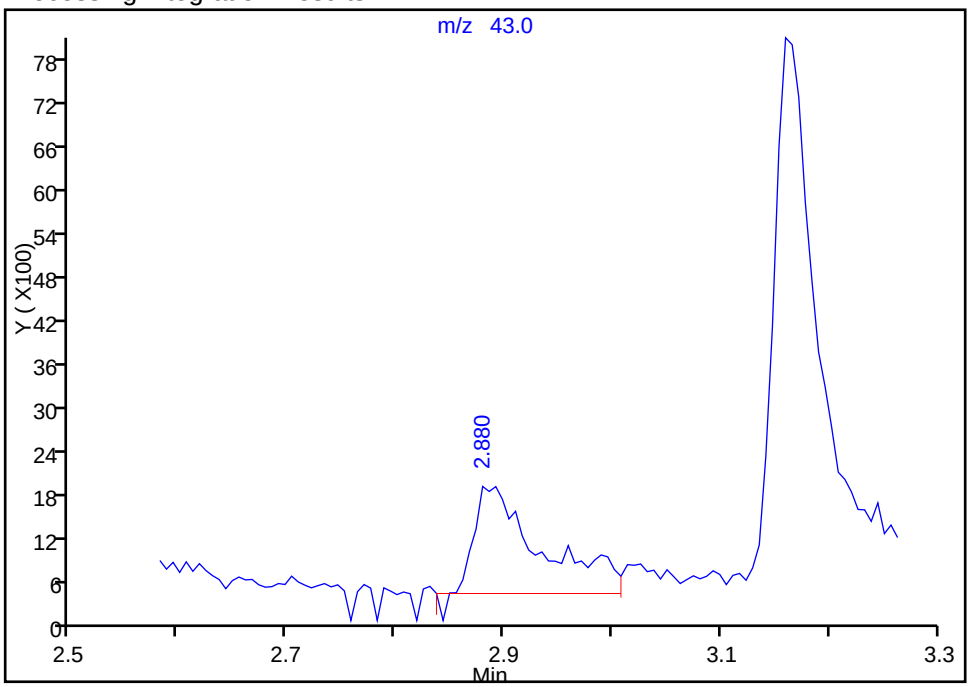
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7634.D
Injection Date: 16-Dec-2015 00:00:30 Instrument ID: HP5973Q
Lims ID: IC
Client ID:
Operator ID: NMD ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

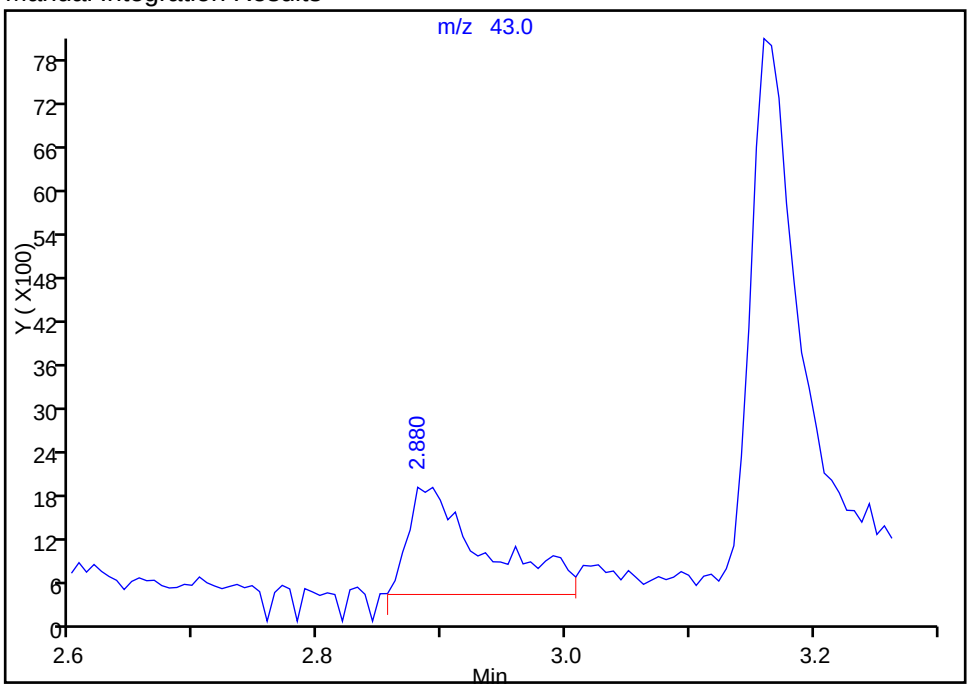
Processing Integration Results

RT: 2.88
Area: 6139
Amount: 2.674415
Amount Units: ug/L



Manual Integration Results

RT: 2.88
Area: 6290
Amount: 2.941496
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:39:00
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

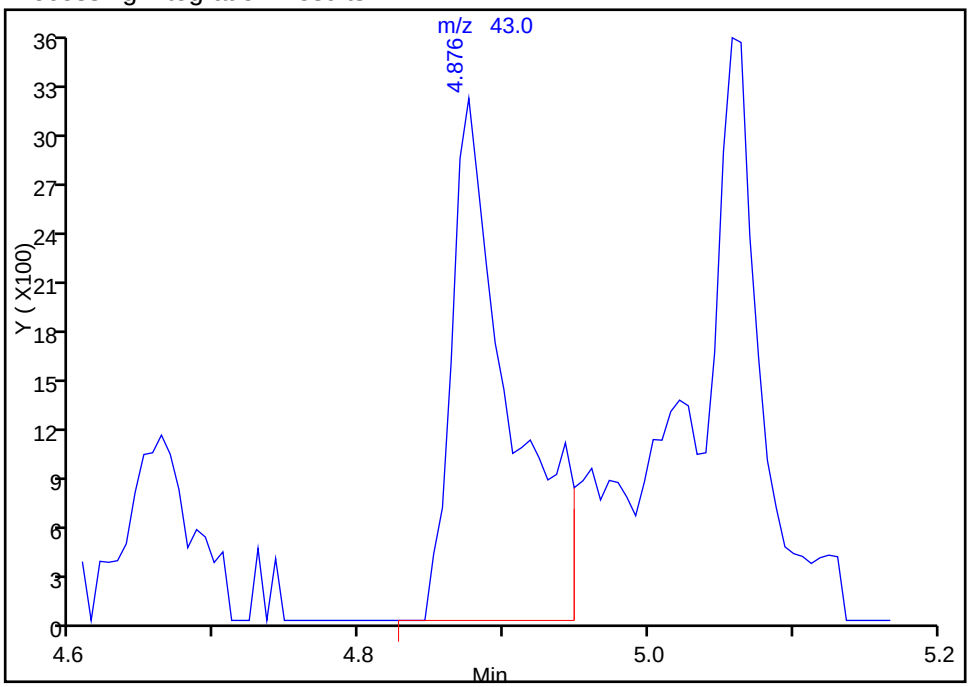
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7634.D
Injection Date: 16-Dec-2015 00:00:30 Instrument ID: HP5973Q
Lims ID: IC
Client ID:
Operator ID: NMD ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

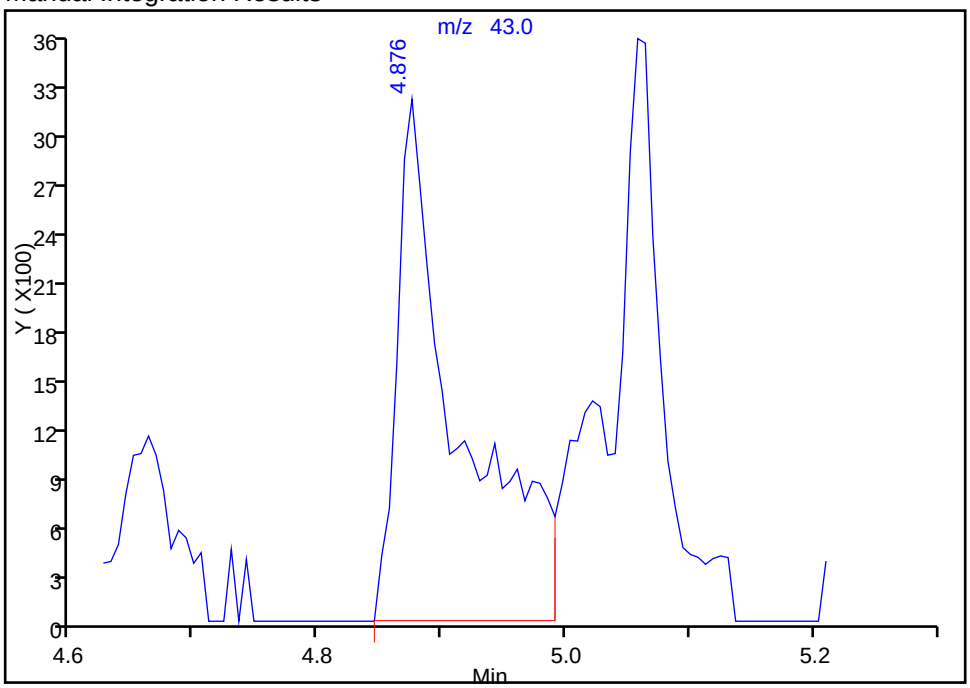
Processing Integration Results

RT: 4.88
Area: 8985
Amount: 16.870698
Amount Units: ug/L



Manual Integration Results

RT: 4.88
Area: 11008
Amount: 17.881525
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:09:57
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Dec-2015 00:23:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049261-006
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:13:12 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: gentilej Date: 16-Dec-2015 15:47:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.120	5.122	-0.002	99	100956	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.408	7.410	-0.002	85	193177	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.275	9.277	-0.002	93	220369	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.646	4.642	0.004	95	138855	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.895	4.891	0.004	0	79590	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.288	6.290	-0.002	92	477713	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.339	8.340	-0.001	96	167662	25.0	24.7	
10 Dichlorodifluoromethane	85	1.440	1.442	-0.002	1	7337	1.00	1.01	M
12 Chloromethane	50	1.622	1.630	-0.008	95	11759	1.00	1.11	M
13 Vinyl chloride	62	1.720	1.716	0.004	95	7866	1.00	1.01	
144 Butadiene	54	1.732	1.740	-0.008	61	5731	1.00	0.9058	M
14 Bromomethane	94	2.042	2.050	-0.008	17	5614	1.00	1.07	M
15 Chloroethane	64	2.139	2.135	0.004	1	4178	1.00	0.9561	
17 Trichlorofluoromethane	101	2.316	2.318	-0.002	91	6865	1.00	0.8437	
16 Dichlorofluoromethane	67	2.334	2.342	-0.008	84	15130	1.00	1.31	M
18 Ethyl ether	59	2.596	2.598	-0.002	90	6096	1.00	1.00	
20 Acrolein	56	2.748	2.744	0.004	92	5322	5.00	4.24	
22 1,1-Dichloroethene	96	2.803	2.798	0.005	95	4690	1.00	0.8476	
21 1,1,2-Trichloro-1,2,2-trif	101	2.815	2.817	-0.002	40	1515	1.00	0.4216	M
23 Acetone	43	2.888	2.884	0.004	99	11607	5.00	5.58	
25 Iodomethane	142	2.942	2.938	0.004	98	10769	1.00	0.8960	
26 Carbon disulfide	76	2.985	2.981	0.004	99	18073	1.00	1.00	
28 3-Chloro-1-propene	41	3.131	3.127	0.004	91	12665	1.00	1.19	
27 Methyl acetate	43	3.161	3.163	-0.002	98	40850	5.00	4.99	
30 Methylene Chloride	84	3.253	3.249	0.004	95	7151	1.00	1.10	
31 2-Methyl-2-propanol	59	3.380	3.376	0.004	91	6039	10.0	10.3	
32 Methyl tert-butyl ether	73	3.453	3.449	0.004	96	21048	1.00	0.9803	
34 trans-1,2-Dichloroethene	96	3.460	3.462	-0.002	95	6229	1.00	0.9716	
33 Acrylonitrile	53	3.484	3.480	0.004	97	44948	10.0	10.1	
35 Hexane	57	3.648	3.644	0.004	94	9316	1.00	1.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.812	3.814	-0.002	94	11718	1.00	1.01	
37 Vinyl acetate	43	3.849	3.851	-0.002	97	35909	2.00	2.09	
44 2,2-Dichloropropane	77	4.250	4.252	-0.002	88	6590	1.00	0.9620	
45 cis-1,2-Dichloroethene	96	4.269	4.271	-0.002	80	6975	1.00	0.9883	
43 2-Butanone (MEK)	43	4.287	4.283	0.004	99	32332	5.00	5.84	
48 Chlorobromomethane	128	4.457	4.459	-0.002	93	3618	1.00	0.9200	
49 Tetrahydrofuran	42	4.494	4.484	0.010	92	7311	2.00	1.93	
50 Chloroform	83	4.518	4.520	-0.002	94	11269	1.00	1.05	
51 1,1,1-Trichloroethane	97	4.634	4.630	0.004	35	7906	1.00	0.9454	
52 Cyclohexane	56	4.652	4.654	-0.002	93	8960	1.00	0.9355	
55 Carbon tetrachloride	117	4.749	4.751	-0.002	83	7193	1.00	0.9084	
54 1,1-Dichloropropene	75	4.755	4.751	0.004	91	8007	1.00	0.9524	
53 Isobutyl alcohol	43	4.877	4.873	0.004	31	16291	25.0	27.0	M
57 Benzene	78	4.914	4.915	-0.001	93	24824	1.00	1.02	
58 1,2-Dichloroethane	62	4.950	4.952	-0.002	96	9222	1.00	1.02	
59 n-Heptane	43	5.060	5.061	-0.001	95	11112	1.00	1.16	
62 Trichloroethene	95	5.388	5.390	-0.002	94	6421	1.00	1.00	
64 Methylcyclohexane	83	5.504	5.506	-0.002	92	8899	1.00	0.9090	
65 1,2-Dichloropropane	63	5.571	5.572	-0.001	94	6010	1.00	0.9870	
66 1,4-Dioxane	88		5.670				ND	ND	
67 Dibromomethane	93	5.674	5.676	-0.002	92	4169	1.00	0.9770	
68 Dichlorobromomethane	83	5.783	5.785	-0.002	97	7656	1.00	0.9759	
69 2-Chloroethyl vinyl ether	63	5.984	5.986	-0.002	88	4739	1.00	1.01	
77 trans-1,3-Dichloropropene	75	6.106	6.108	-0.002	95	9101	1.00	0.9332	
73 4-Methyl-2-pentanone (MIBK	43	6.203	6.205	-0.002	97	59201	5.00	5.49	
74 Toluene	92	6.337	6.339	-0.002	97	15756	1.00	1.04	
72 cis-1,3-Dichloropropene	75	6.526	6.528	-0.002	97	8149	1.00	0.9423	
75 Ethyl methacrylate	69	6.556	6.552	0.004	93	9992	1.00	1.05	
79 1,1,2-Trichloroethane	83	6.672	6.674	-0.002	90	4888	1.00	1.04	
81 Tetrachloroethene	166	6.757	6.753	0.004	93	6692	1.00	0.9742	
82 1,3-Dichloropropane	76	6.799	6.801	-0.002	88	9823	1.00	1.02	
80 2-Hexanone	43	6.836	6.832	0.004	97	49047	5.00	5.93	
83 Chlorodibromomethane	129	6.982	6.984	-0.002	88	6356	1.00	0.9347	
84 Ethylene Dibromide	107	7.073	7.069	0.004	96	6197	1.00	0.9727	
87 Chlorobenzene	112	7.432	7.434	-0.002	97	17815	1.00	1.02	
88 Ethylbenzene	91	7.493	7.495	-0.002	98	29097	1.00	1.06	
89 1,1,1,2-Tetrachloroethane	131	7.499	7.495	0.004	45	6247	1.00	0.9312	
90 m-Xylene & p-Xylene	106	7.584	7.586	-0.002	0	11835	1.00	1.03	
91 o-Xylene	106	7.907	7.902	0.005	95	11471	1.00	1.00	
92 Styrene	104	7.919	7.921	-0.002	95	18981	1.00	1.02	
95 Bromoform	173	8.107	8.109	-0.002	94	4295	1.00	0.8908	
94 Isopropylbenzene	105	8.186	8.188	-0.002	95	27296	1.00	1.01	
101 Bromobenzene	156	8.466	8.468	-0.002	93	7807	1.00	1.00	
97 1,1,2,2-Tetrachloroethane	83	8.472	8.468	0.004	94	9491	1.00	1.04	
100 1,2,3-Trichloropropane	110	8.509	8.505	0.004	88	3128	1.00	1.02	
98 trans-1,4-Dichloro-2-buten	53	8.509	8.505	0.004	72	2637	1.00	1.04	
99 N-Propylbenzene	91	8.521	8.517	0.004	99	32530	1.00	1.06	
103 2-Chlorotoluene	126	8.612	8.608	0.004	98	7295	1.00	1.03	
102 1,3,5-Trimethylbenzene	105	8.655	8.657	-0.002	96	23026	1.00	1.00	
105 4-Chlorotoluene	126	8.697	8.699	-0.002	95	7779	1.00	1.05	
106 tert-Butylbenzene	134	8.923	8.924	-0.001	92	5429	1.00	0.9703	
107 1,2,4-Trimethylbenzene	105	8.965	8.967	-0.002	97	25391	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.099	9.101	-0.002	93	27036	1.00	0.99	
110 4-Isopropyltoluene	119	9.215	9.216	-0.001	97	24970	1.00	0.9806	
111 1,3-Dichlorobenzene	146	9.227	9.223	0.004	98	15540	1.00	1.05	
113 1,4-Dichlorobenzene	146	9.300	9.296	0.004	97	16321	1.00	1.06	
115 n-Butylbenzene	91	9.555	9.557	-0.002	97	20297	1.00	1.00	
116 1,2-Dichlorobenzene	146	9.610	9.612	-0.002	98	15286	1.00	1.05	
117 1,2-Dibromo-3-Chloropropan	75	10.267	10.269	-0.002	86	1991	1.00	0.9016	
119 1,2,4-Trichlorobenzene	180	10.930	10.932	-0.002	93	10455	1.00	1.00	
120 Hexachlorobutadiene	225	11.040	11.042	-0.002	88	3228	1.00	0.8799	
121 Naphthalene	128	11.137	11.133	0.004	97	34514	1.00	1.01	
122 1,2,3-Trichlorobenzene	180	11.325	11.327	-0.002	95	9759	1.00	0.9772	
S 125 1,2-Dichloroethene, Total	1				0			1.96	
S 126 1,3-Dichloropropene, Total	1				0			1.88	
S 123 Total BTEX	1				0			5.16	
S 124 Xylenes, Total	1				0			2.03	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00126	Amount Added:	1.00	Units: uL	
8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

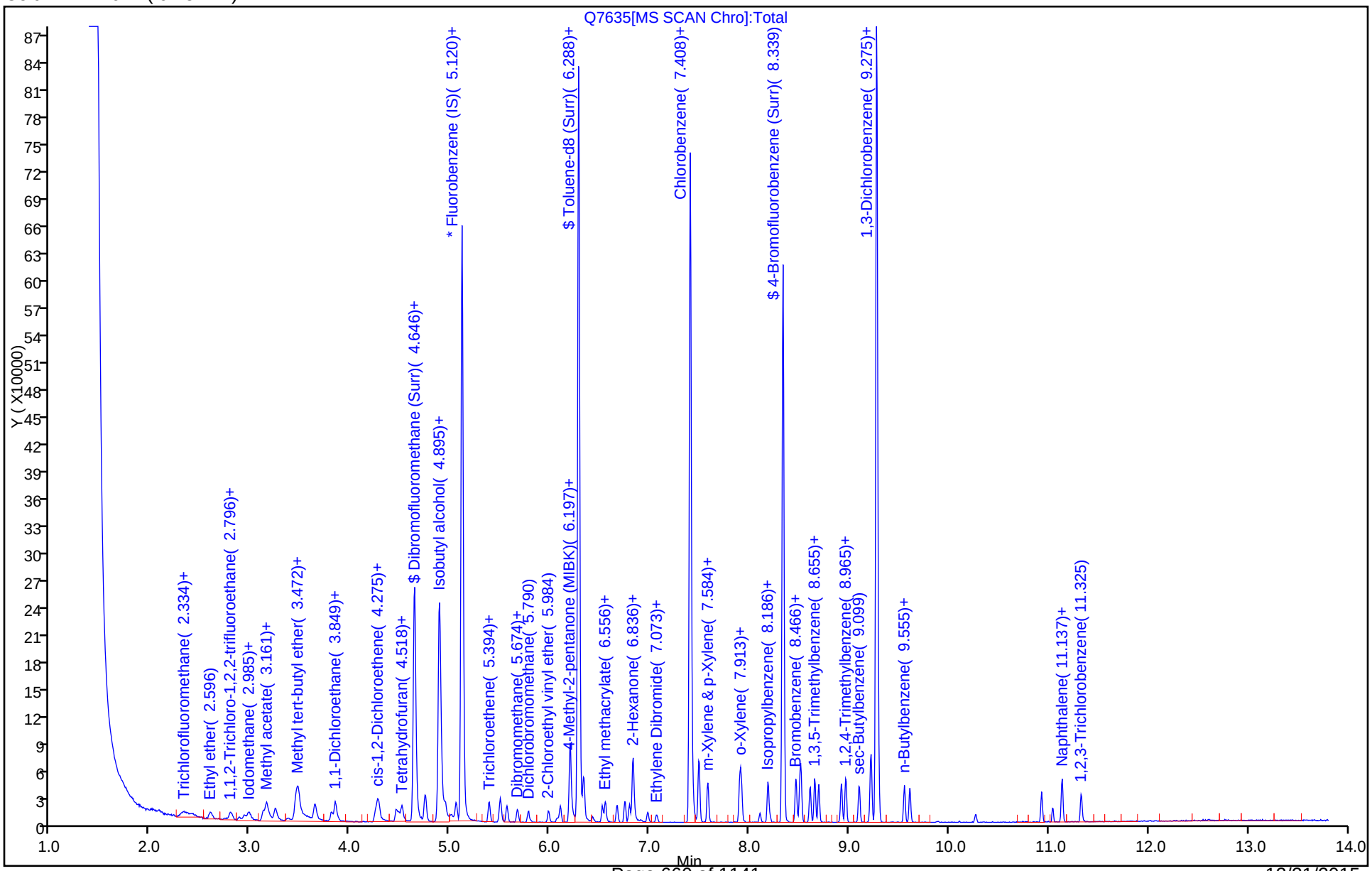
Report Date: 17-Dec-2015 13:13:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D

Injection Date:	16-Dec-2015 00:23:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



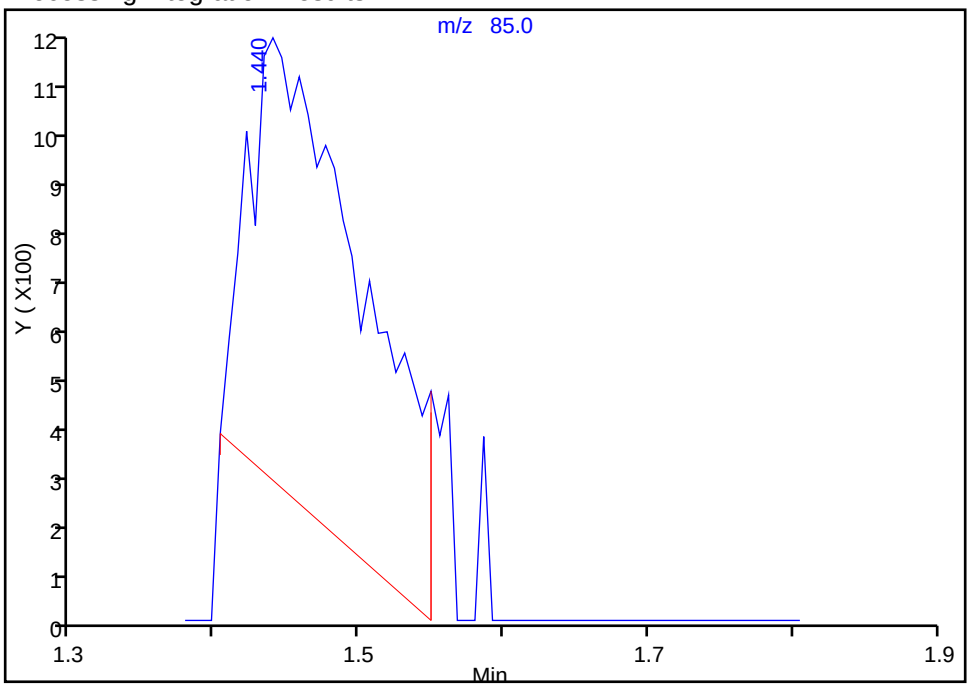
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Injection Date: 16-Dec-2015 00:23:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

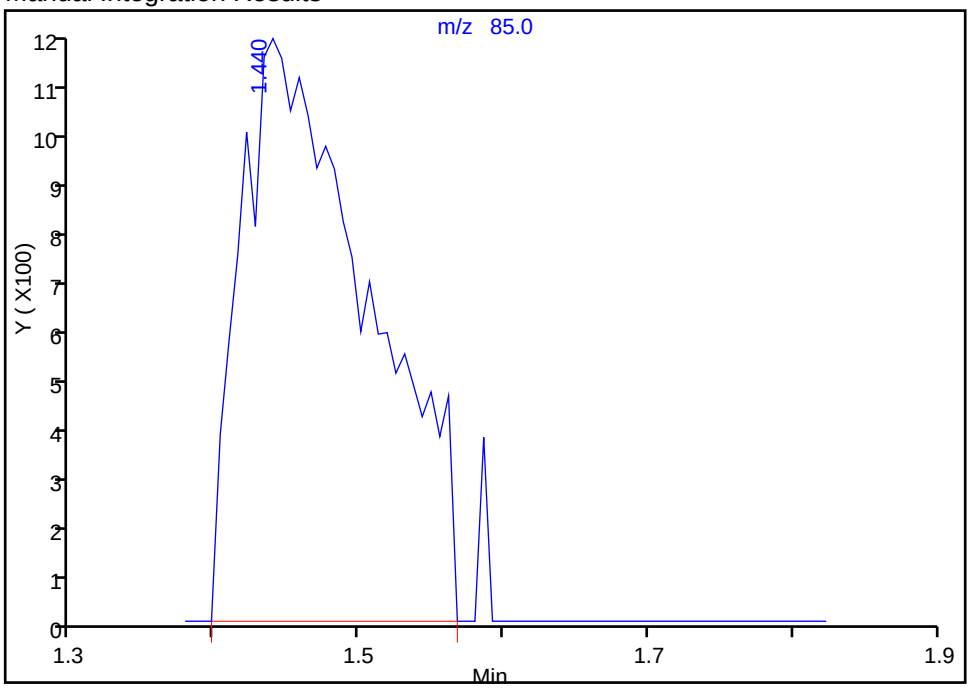
Processing Integration Results

RT: 1.44
Area: 5310
Amount: 0.944327
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 7337
Amount: 1.009643
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 18:01:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

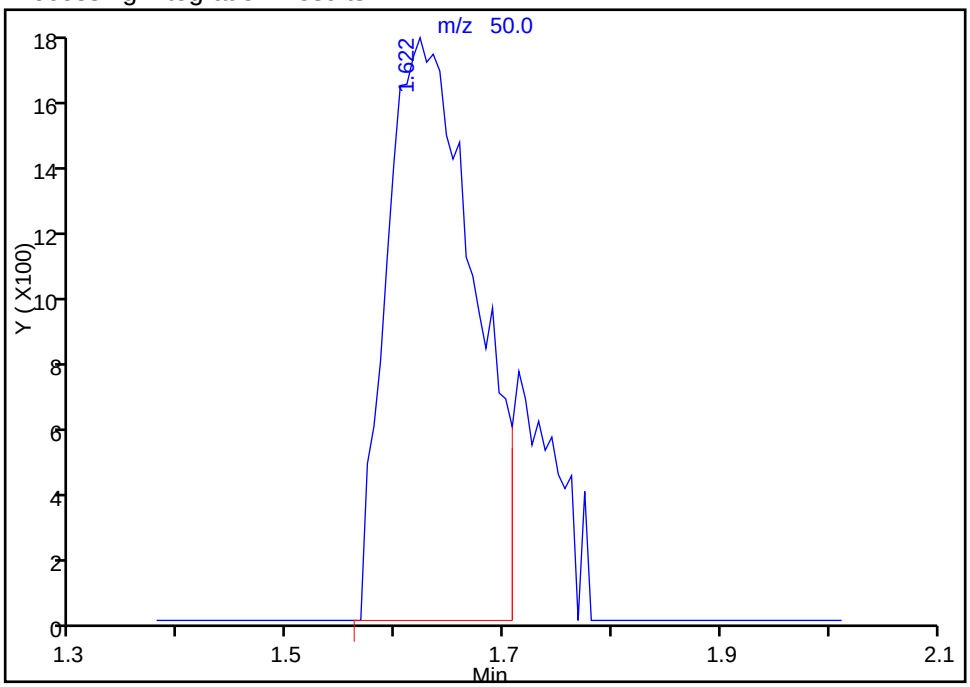
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Injection Date: 16-Dec-2015 00:23:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

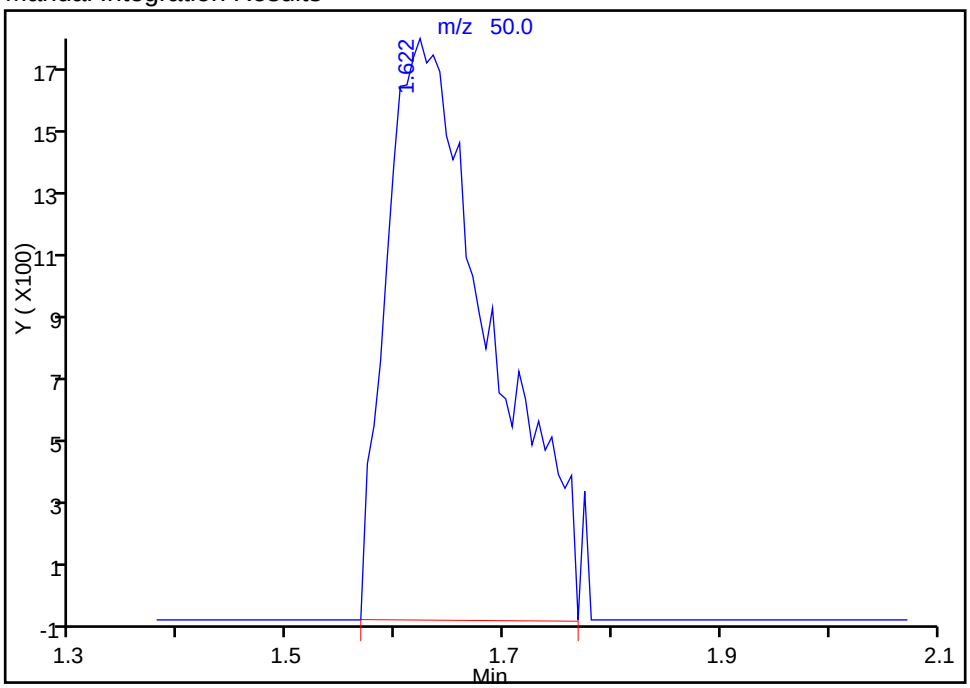
Processing Integration Results

RT: 1.62
Area: 9947
Amount: 0.965636
Amount Units: ug/L



Manual Integration Results

RT: 1.62
Area: 11759
Amount: 1.113558
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:47:57
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

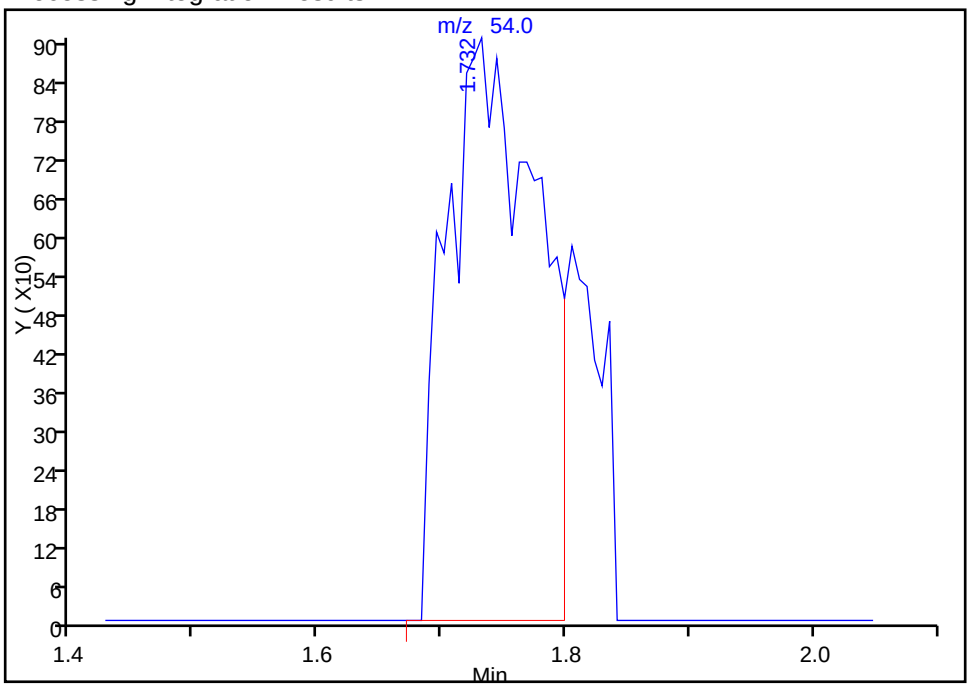
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Injection Date: 16-Dec-2015 00:23:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

144 Butadiene, CAS: 106-99-0

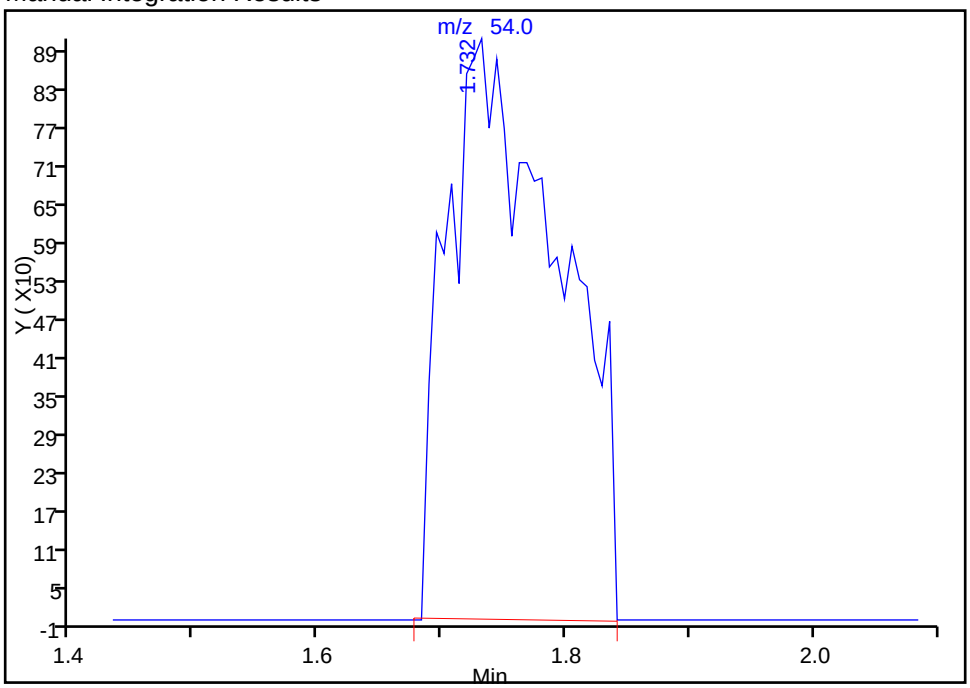
Processing Integration Results

RT: 1.73
Area: 4687
Amount: 0.761745
Amount Units: ug/L



Manual Integration Results

RT: 1.73
Area: 5731
Amount: 0.905773
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:47:57
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

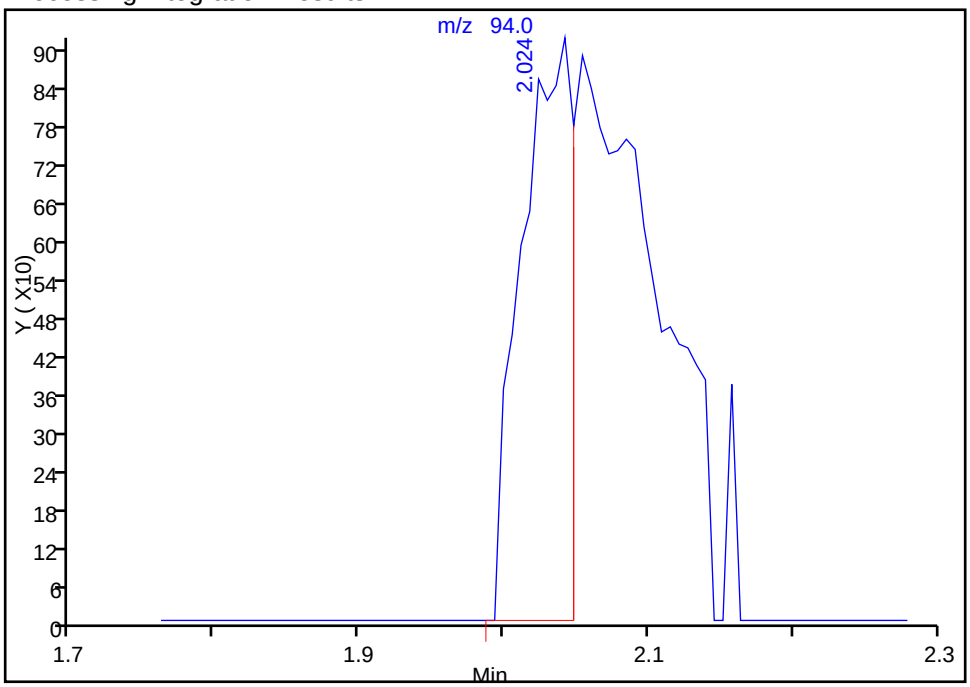
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Injection Date: 16-Dec-2015 00:23:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

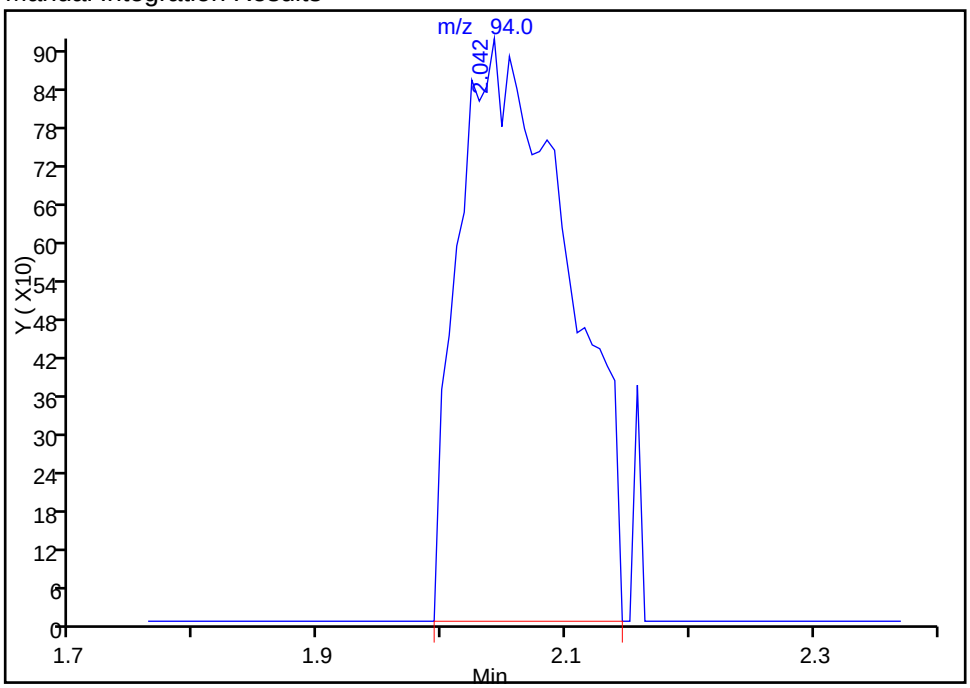
Processing Integration Results

RT: 2.02
Area: 2274
Amount: 0.476252
Amount Units: ug/L



Manual Integration Results

RT: 2.04
Area: 5614
Amount: 1.068942
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:07:29
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

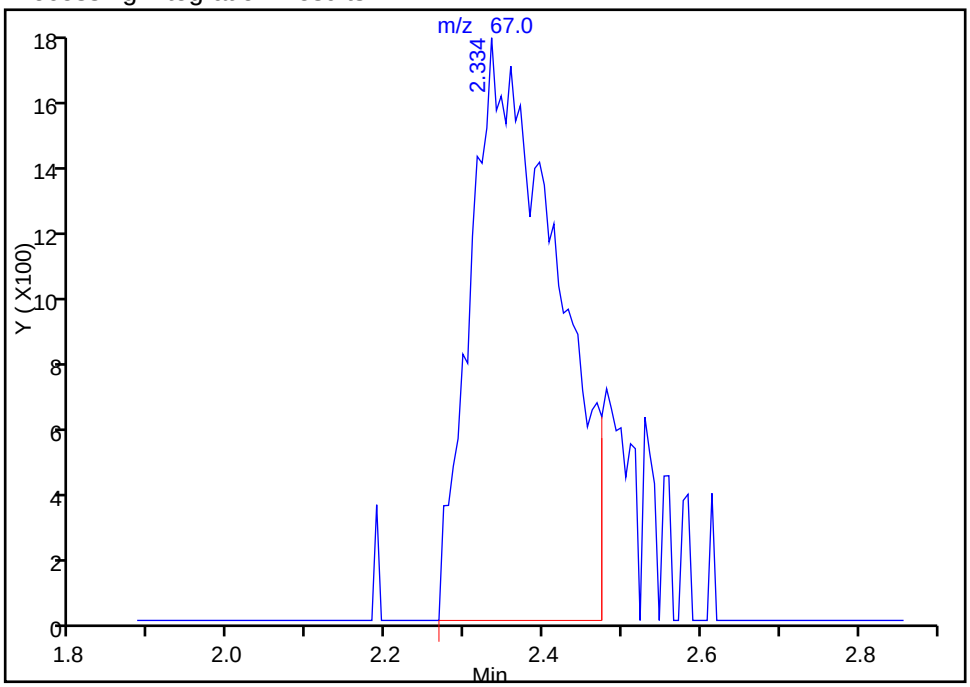
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Injection Date: 16-Dec-2015 00:23:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

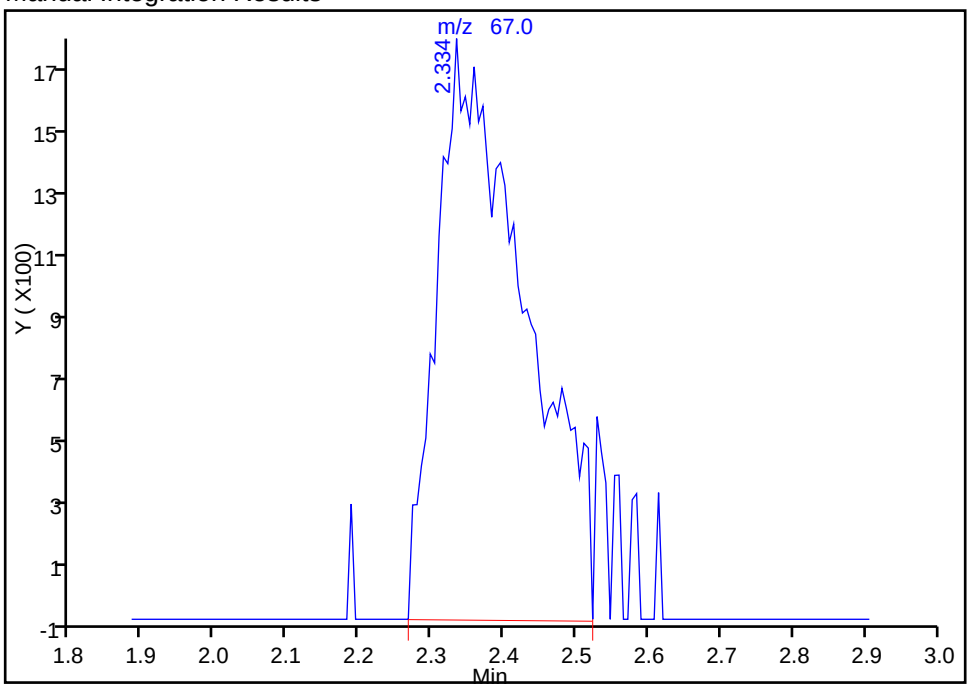
Processing Integration Results

RT: 2.33
Area: 13600
Amount: 1.194241
Amount Units: ug/L



Manual Integration Results

RT: 2.33
Area: 15130
Amount: 1.306650
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:47:57
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

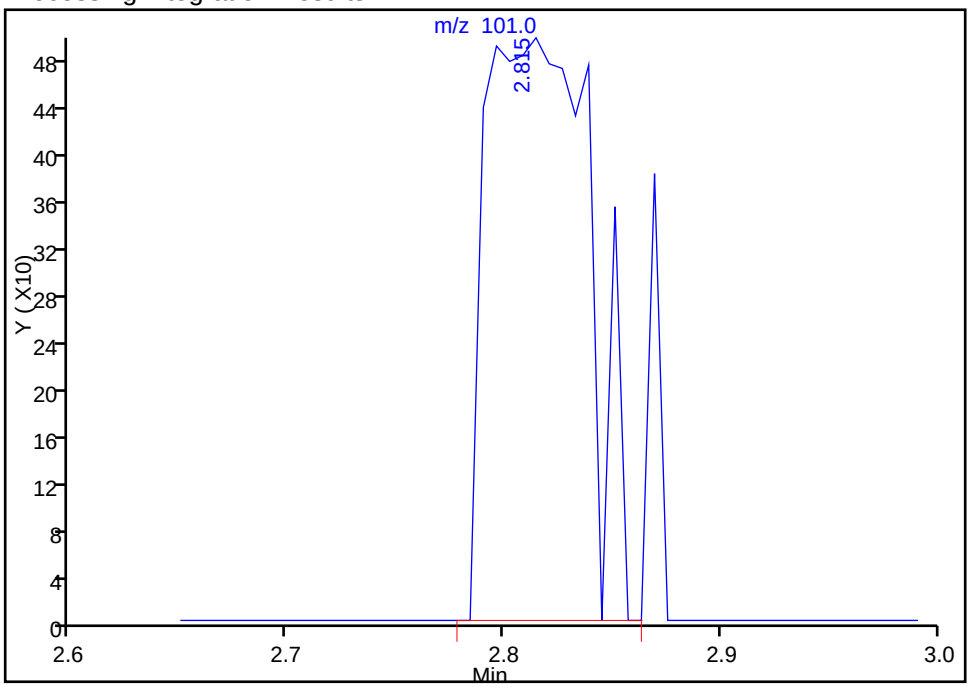
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Injection Date: 16-Dec-2015 00:23:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

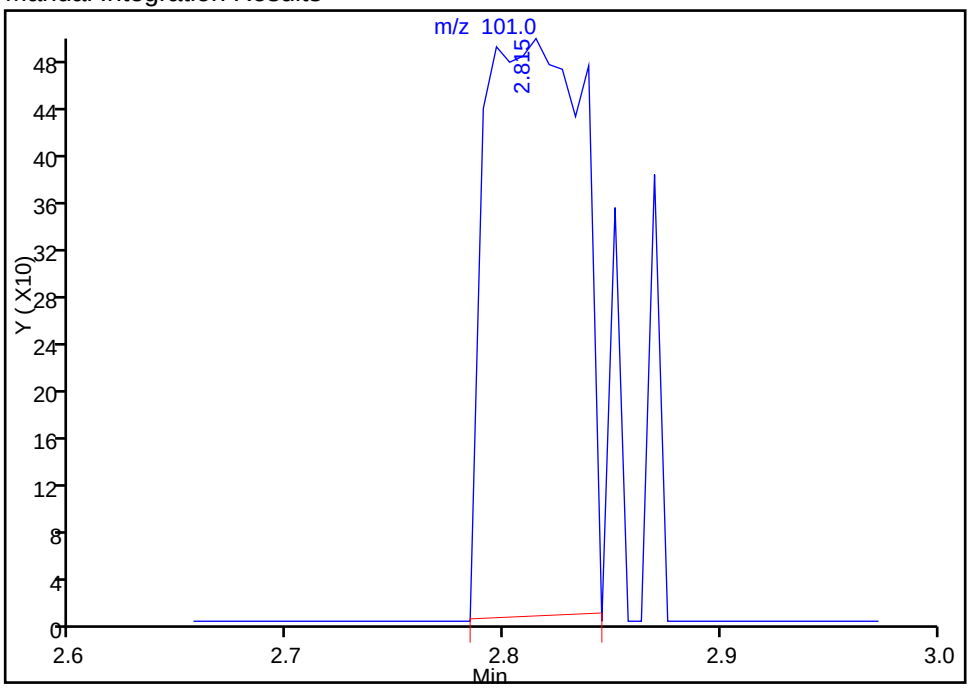
Processing Integration Results

RT: 2.81
Area: 1660
Amount: 0.459301
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 1515
Amount: 0.421598
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:13:12
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

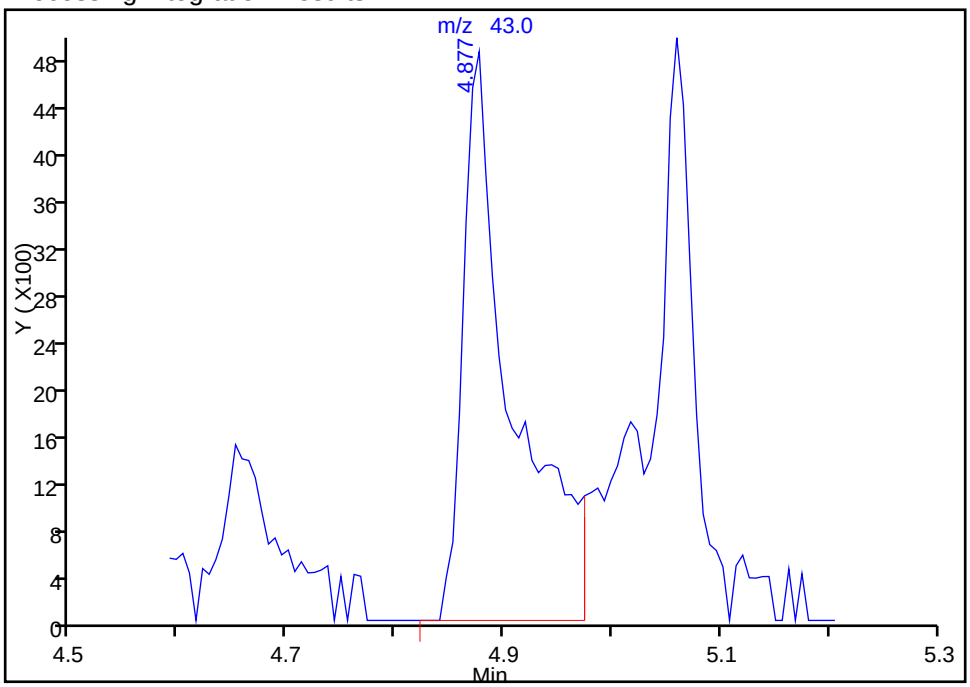
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7635.D
Injection Date: 16-Dec-2015 00:23:30 Instrument ID: HP5973Q
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

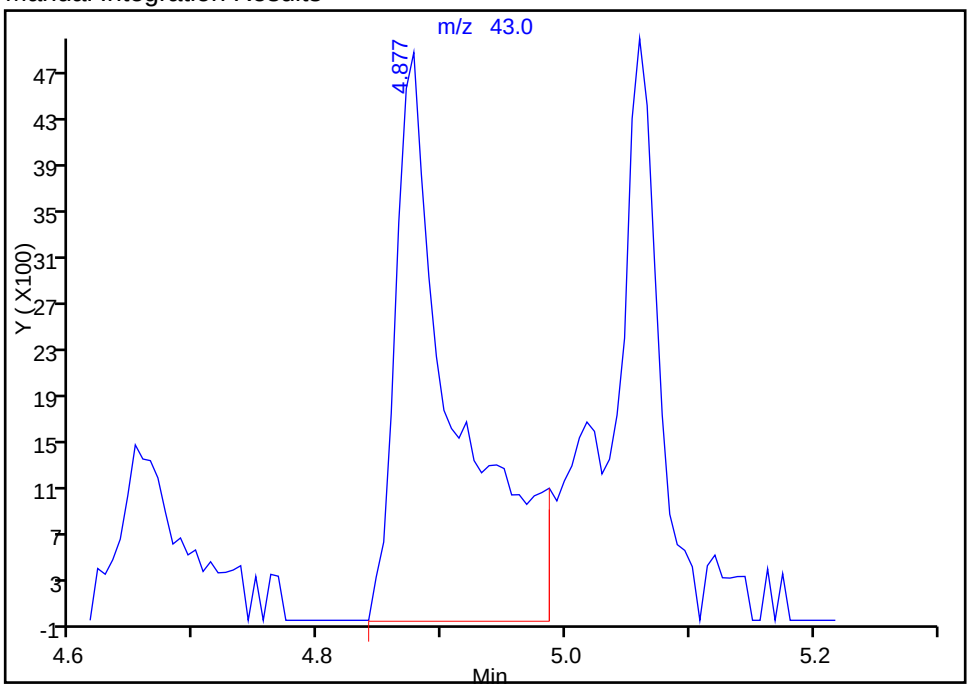
Processing Integration Results

RT: 4.88
Area: 15404
Amount: 29.316127
Amount Units: ug/L



Manual Integration Results

RT: 4.88
Area: 16291
Amount: 26.985216
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:10:19
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Dec-2015 00:47:30 ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049261-007
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 12:59:09 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: gentilej Date: 16-Dec-2015 15:52:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.119	-0.001	99	95410	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.411	7.406	0.005	85	183274	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.274	0.005	94	211130	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.645	-0.002	97	137078	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.894	-0.001	0	78833	25.0	26.1	
$ 5 Toluene-d8 (Surr)	98	6.292	6.287	0.005	93	456751	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.337	0.005	96	158664	25.0	24.6	
10 Dichlorodifluoromethane	85	1.455	1.439	0.016	95	15294	2.00	2.35	M
12 Chloromethane	50	1.620	1.621	-0.001	0	23673	2.00	2.37	M
13 Vinyl chloride	62	1.705	1.718	-0.013	94	16089	2.00	2.19	
144 Butadiene	54	1.735	1.737	-0.002	76	12080	2.00	2.02	
14 Bromomethane	94	2.046	2.041	0.005	1	11011	2.00	2.22	M
15 Chloroethane	64	2.155	2.132	0.023	86	8972	2.00	2.17	
17 Trichlorofluoromethane	101	2.325	2.315	0.010	95	17158	2.00	2.23	
16 Dichlorofluoromethane	67	2.356	2.339	0.017	92	25046	2.00	2.29	
18 Ethyl ether	59	2.599	2.594	0.005	92	12449	2.00	2.16	
20 Acrolein	56	2.751	2.747	0.005	97	11436	10.0	9.65	
22 1,1-Dichloroethene	96	2.806	2.801	0.005	97	10493	2.00	2.01	
21 1,1,2-Trichloro-1,2,2-trif	101	2.812	2.820	-0.008	41	5526	2.00	1.69	M
23 Acetone	43	2.891	2.886	0.005	100	23468	10.0	11.8	M
25 Iodomethane	142	2.940	2.941	-0.001	99	23608	2.00	2.08	
26 Carbon disulfide	76	2.982	2.984	-0.002	100	36632	2.00	2.14	
28 3-Chloro-1-propene	41	3.128	3.130	-0.002	92	23901	2.00	2.37	
27 Methyl acetate	43	3.165	3.160	0.005	98	92733	10.0	11.6	M
30 Methylene Chloride	84	3.250	3.251	-0.001	94	13952	2.00	2.27	
31 2-Methyl-2-propanol	59	3.378	3.373	0.005	97	12045	20.0	21.8	
32 Methyl tert-butyl ether	73	3.451	3.452	-0.001	95	44845	2.00	2.21	
34 trans-1,2-Dichloroethene	96	3.463	3.464	-0.001	97	12799	2.00	2.11	
33 Acrylonitrile	53	3.481	3.483	-0.002	99	94516	20.0	23.5	M
35 Hexane	57	3.652	3.647	0.005	93	19050	2.00	2.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.816	3.811	0.005	96	23686	2.00	2.16	
37 Vinyl acetate	43	3.852	3.848	0.004	97	74942	4.00	4.60	
44 2,2-Dichloropropane	77	4.254	4.255	-0.001	91	13820	2.00	2.13	
45 cis-1,2-Dichloroethene	96	4.272	4.273	-0.001	82	14025	2.00	2.10	
43 2-Butanone (MEK)	43	4.284	4.286	-0.002	100	61348	10.0	11.7	
48 Chlorobromomethane	128	4.461	4.462	-0.001	94	7706	2.00	2.07	
49 Tetrahydrofuran	42	4.485	4.480	0.005	90	15500	4.00	4.33	
50 Chloroform	83	4.522	4.517	0.005	95	22068	2.00	2.17	
51 1,1,1-Trichloroethane	97	4.631	4.632	-0.001	98	16295	2.00	2.06	
52 Cyclohexane	56	4.655	4.651	0.004	93	17745	2.00	1.96	
55 Carbon tetrachloride	117	4.753	4.748	0.005	98	14453	2.00	1.93	
54 1,1-Dichloropropene	75	4.753	4.754	-0.001	94	16330	2.00	2.06	
53 Isobutyl alcohol	43	4.874	4.870	0.004	92	32050	50.0	55.8	M
57 Benzene	78	4.917	4.912	0.005	95	49886	2.00	2.18	
58 1,2-Dichloroethane	62	4.953	4.949	0.004	96	18778	2.00	2.20	
59 n-Heptane	43	5.063	5.058	0.005	93	16646	2.00	1.84	
62 Trichloroethene	95	5.391	5.393	-0.002	93	12804	2.00	2.11	
64 Methylcyclohexane	83	5.507	5.502	0.005	91	18334	2.00	1.98	
65 1,2-Dichloropropane	63	5.574	5.569	0.005	94	12047	2.00	2.09	
66 1,4-Dioxane	88	5.671	5.673	-0.002	0	1302	40.0	47.2	M
67 Dibromomethane	93	5.671	5.673	-0.002	91	8540	2.00	2.12	
68 Dichlorobromomethane	83	5.787	5.782	0.005	98	15121	2.00	2.04	
69 2-Chloroethyl vinyl ether	63	5.988	5.989	-0.001	93	8686	2.00	1.96	
77 trans-1,3-Dichloropropene	75	6.103	6.105	-0.002	94	18116	2.00	1.96	
73 4-Methyl-2-pentanone (MIBK	43	6.201	6.202	-0.001	97	114886	10.0	11.2	
74 Toluene	92	6.340	6.342	-0.002	99	29584	2.00	2.05	
72 cis-1,3-Dichloropropene	75	6.529	6.524	0.005	96	15805	2.00	1.93	
75 Ethyl methacrylate	69	6.559	6.555	0.004	93	18400	2.00	2.05	
79 1,1,2-Trichloroethane	83	6.675	6.670	0.005	91	8904	2.00	2.01	
81 Tetrachloroethene	166	6.754	6.756	-0.002	96	12598	2.00	1.93	
82 1,3-Dichloropropane	76	6.803	6.798	0.005	94	18331	2.00	2.00	
80 2-Hexanone	43	6.833	6.835	-0.002	98	90708	10.0	11.6	
83 Chlorodibromomethane	129	6.979	6.981	-0.002	90	11814	2.00	1.83	
84 Ethylene Dibromide	107	7.071	7.072	-0.002	98	11999	2.00	1.99	
87 Chlorobenzene	112	7.429	7.431	-0.002	97	34005	2.00	2.06	
88 Ethylbenzene	91	7.496	7.492	0.004	98	54321	2.00	2.10	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.498	-0.002	46	12567	2.00	1.97	
90 m-Xylene & p-Xylene	106	7.582	7.583	-0.001	0	22069	2.00	2.03	
91 o-Xylene	106	7.904	7.905	-0.001	96	21879	2.00	2.01	
92 Styrene	104	7.922	7.924	-0.002	95	36260	2.00	2.05	
95 Bromoform	173	8.105	8.106	-0.001	96	8220	2.00	1.80	
94 Isopropylbenzene	105	8.190	8.185	0.005	95	53823	2.00	2.09	
101 Bromobenzene	156	8.470	8.465	0.005	94	15505	2.00	2.07	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.471	-0.001	95	18896	2.00	2.16	
100 1,2,3-Trichloropropane	110	8.506	8.508	-0.002	87	6053	2.00	2.05	
98 trans-1,4-Dichloro-2-buten	53	8.506	8.508	-0.002	73	4443	2.00	1.83	
99 N-Propylbenzene	91	8.518	8.520	-0.002	99	62142	2.00	2.11	
103 2-Chlorotoluene	126	8.610	8.611	-0.001	97	13729	2.00	2.01	
102 1,3,5-Trimethylbenzene	105	8.658	8.654	0.004	96	45781	2.00	2.08	
105 4-Chlorotoluene	126	8.701	8.696	0.005	96	14572	2.00	2.05	
106 tert-Butylbenzene	134	8.926	8.921	0.005	90	10527	2.00	1.96	
107 1,2,4-Trimethylbenzene	105	8.969	8.964	0.005	96	48496	2.00	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.102	9.098	0.004	94	52663	2.00	2.02	
110 4-Isopropyltoluene	119	9.218	9.213	0.005	98	50460	2.00	2.07	
111 1,3-Dichlorobenzene	146	9.224	9.225	-0.001	99	29825	2.00	2.11	
113 1,4-Dichlorobenzene	146	9.297	9.298	-0.001	96	30984	2.00	2.11	
115 n-Butylbenzene	91	9.559	9.554	0.005	96	40220	2.00	2.07	
116 1,2-Dichlorobenzene	146	9.613	9.609	0.004	98	29297	2.00	2.09	
117 1,2-Dibromo-3-Chloropropan	75	10.264	10.266	-0.002	86	4328	2.00	2.05	
119 1,2,4-Trichlorobenzene	180	10.934	10.929	0.005	93	21392	2.00	2.13	
120 Hexachlorobutadiene	225	11.043	11.044	-0.001	96	7415	2.00	2.11	
121 Naphthalene	128	11.134	11.136	-0.002	97	71445	2.00	2.18	
122 1,2,3-Trichlorobenzene	180	11.329	11.324	0.005	96	19874	2.00	2.08	
S 125 1,2-Dichloroethene, Total	1				0			4.22	
S 126 1,3-Dichloropropene, Total	1				0			3.89	
S 123 Total BTEX	1				0			10.4	
S 124 Xylenes, Total	1				0			4.04	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	2.00	Units: uL	
GAS CORP mix_00126	Amount Added:	2.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

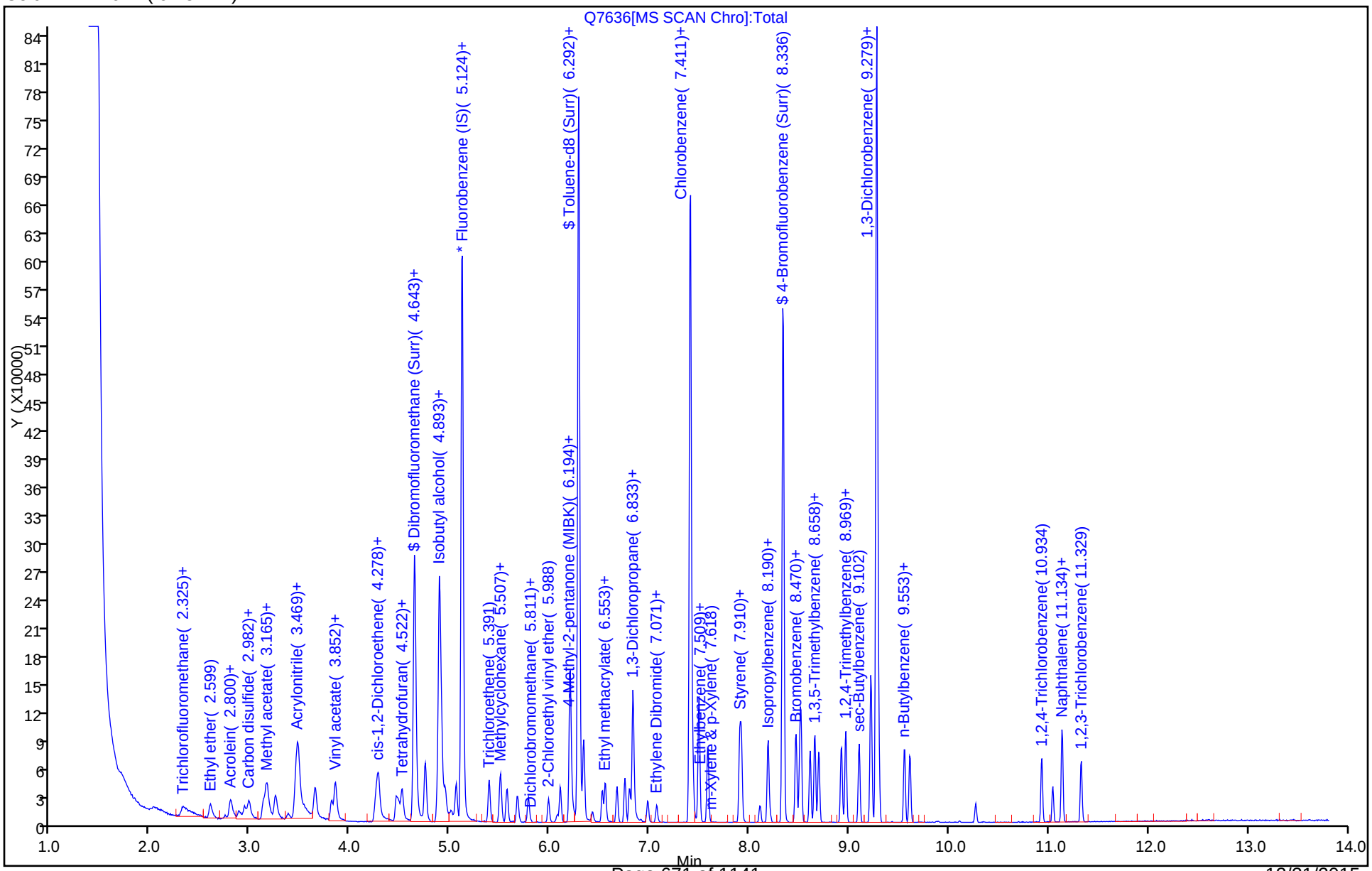
Report Date: 17-Dec-2015 12:59:10 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D

Injection Date:	16-Dec-2015 00:47:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

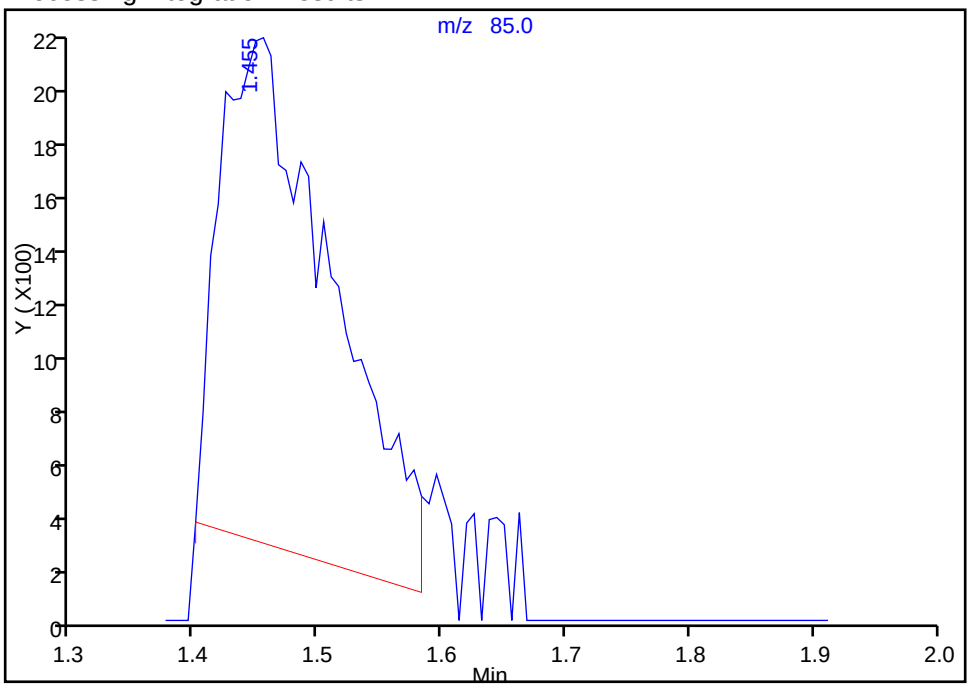
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

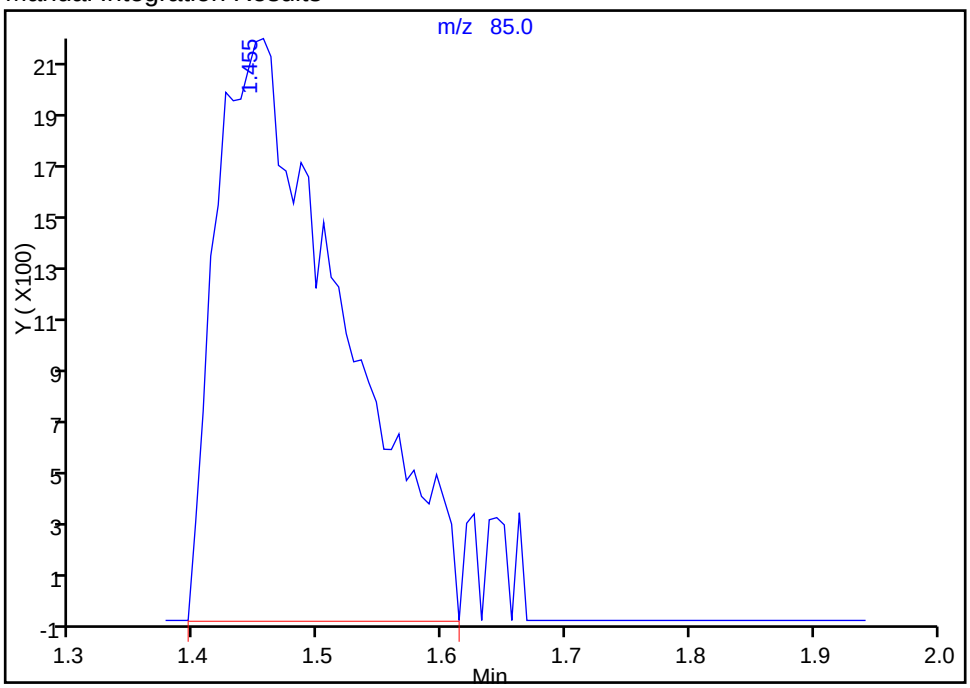
Processing Integration Results

RT: 1.46
Area: 11950
Amount: 2.138581
Amount Units: ug/L



Manual Integration Results

RT: 1.46
Area: 15294
Amount: 2.353053
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:51:13
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

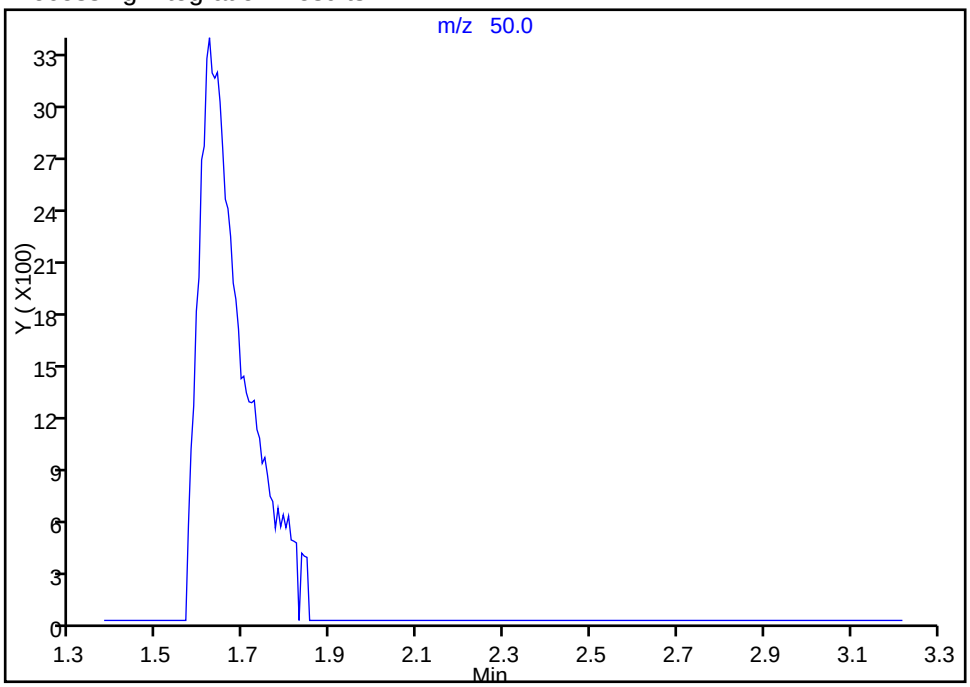
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

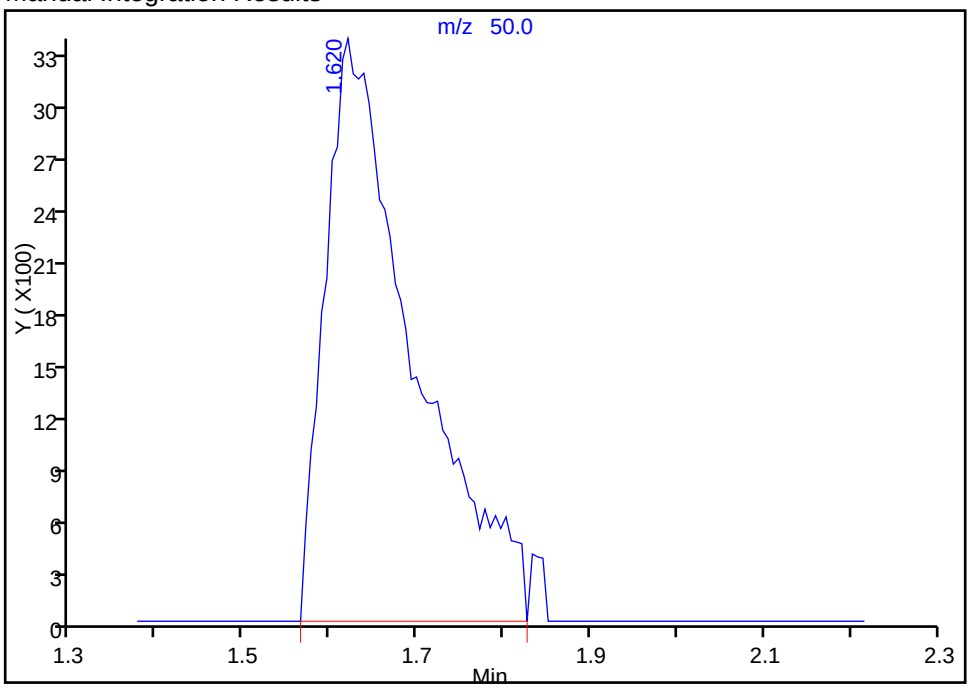
Not Detected
Expected RT: 1.62

Processing Integration Results



Manual Integration Results

RT: 1.62
Area: 23673
Amount: 2.372106
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:23:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

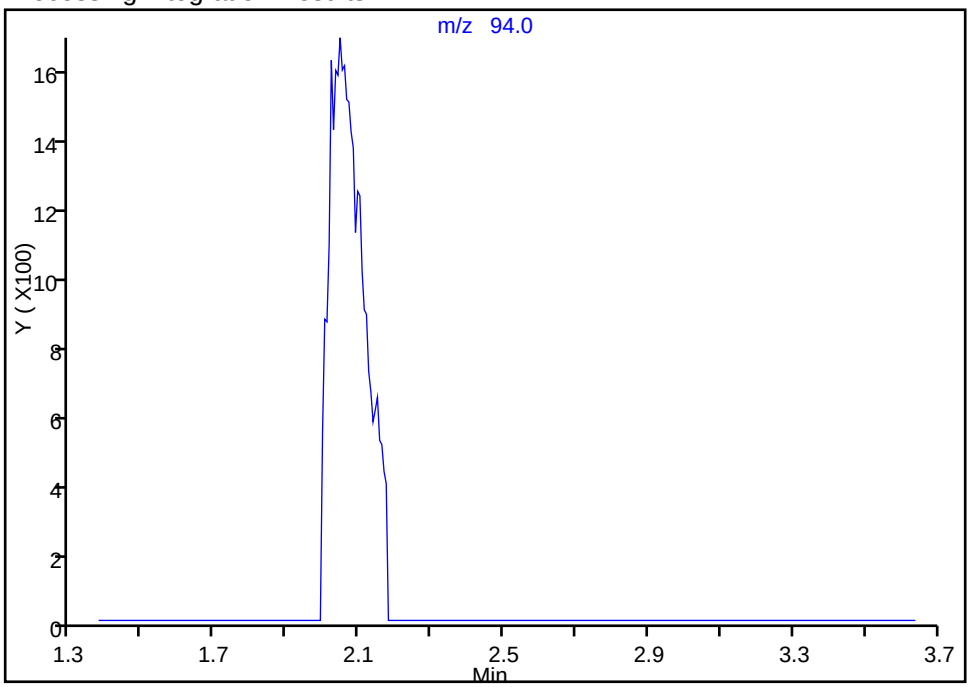
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

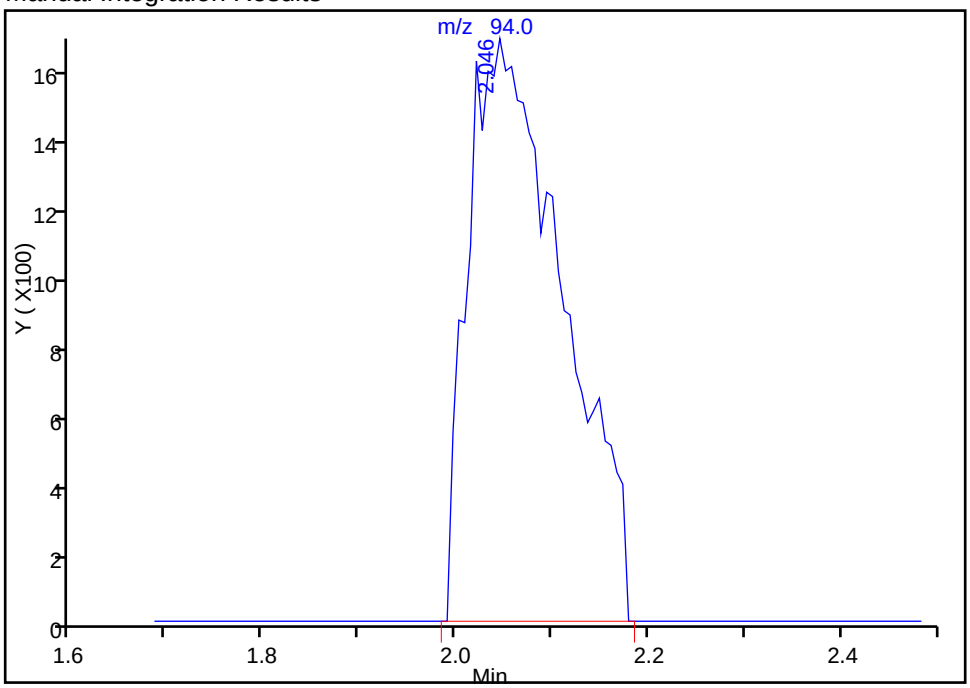
Not Detected
Expected RT: 2.04

Processing Integration Results



Manual Integration Results

RT: 2.05
Area: 11011
Amount: 2.218435
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:23:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

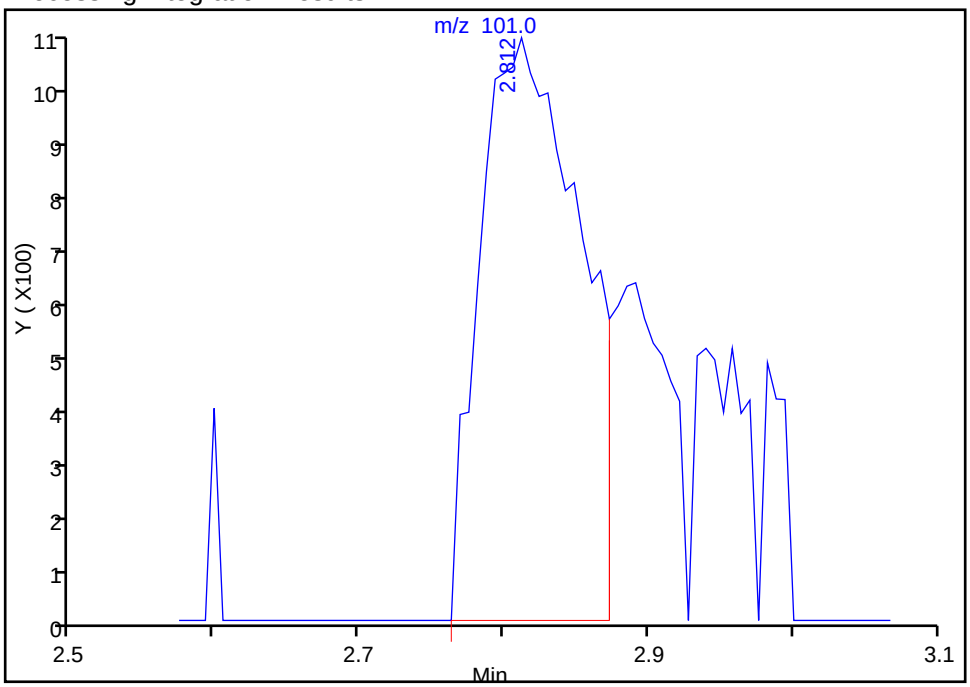
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

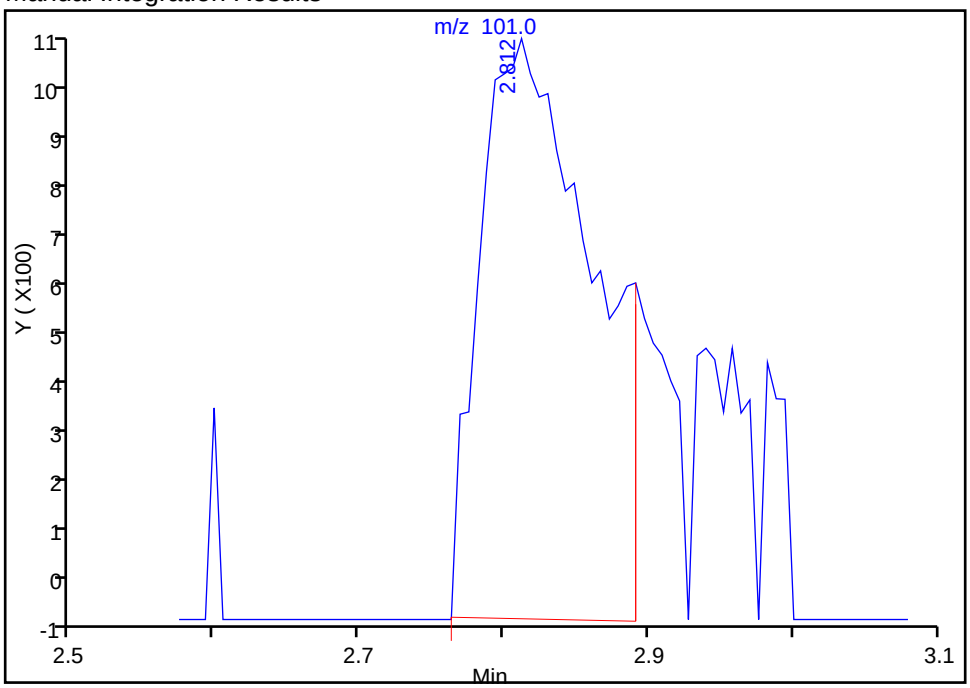
Processing Integration Results

RT: 2.81
Area: 4905
Amount: 1.855390
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 5526
Amount: 1.686150
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:59:09
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

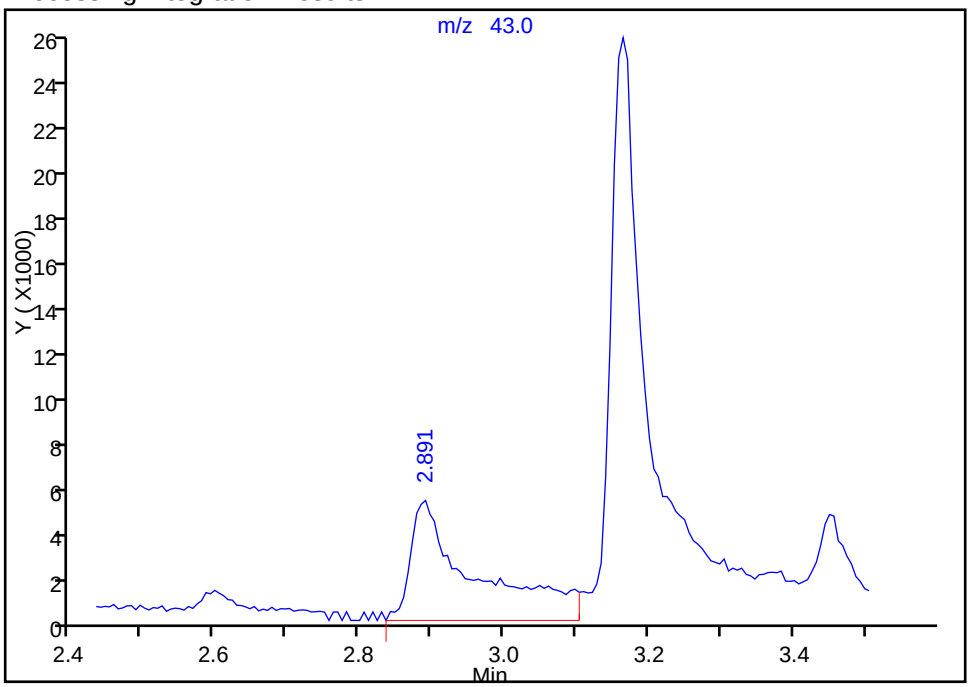
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

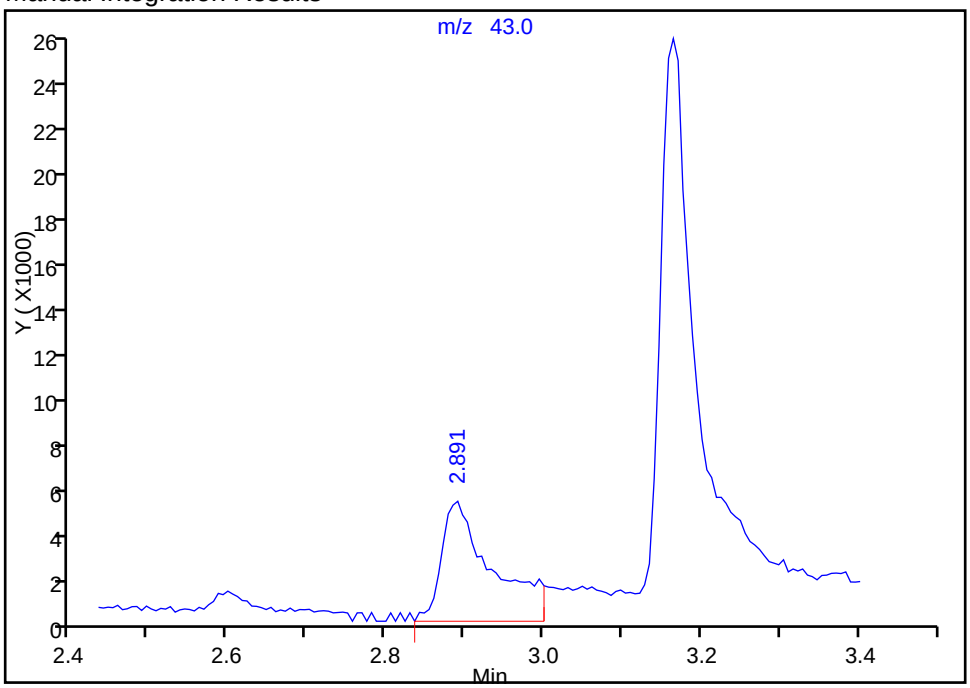
Processing Integration Results

RT: 2.89
Area: 31944
Amount: 14.876153
Amount Units: ug/L



Manual Integration Results

RT: 2.89
Area: 23468
Amount: 11.770369
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:39:40
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

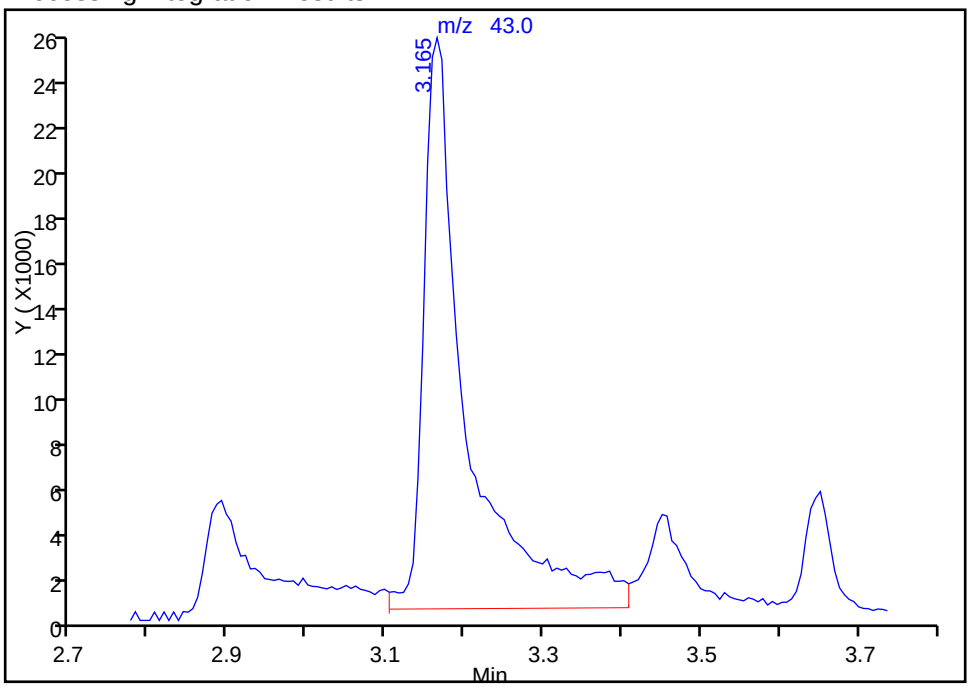
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

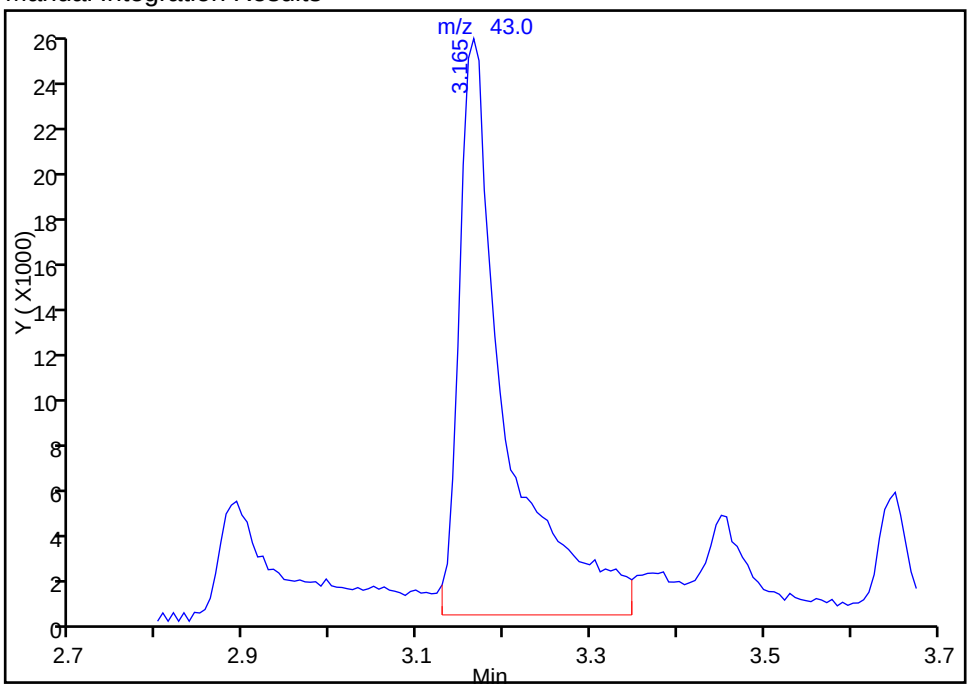
Processing Integration Results

RT: 3.16
Area: 95485
Amount: 11.885238
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 92733
Amount: 11.592327
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:51:13
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

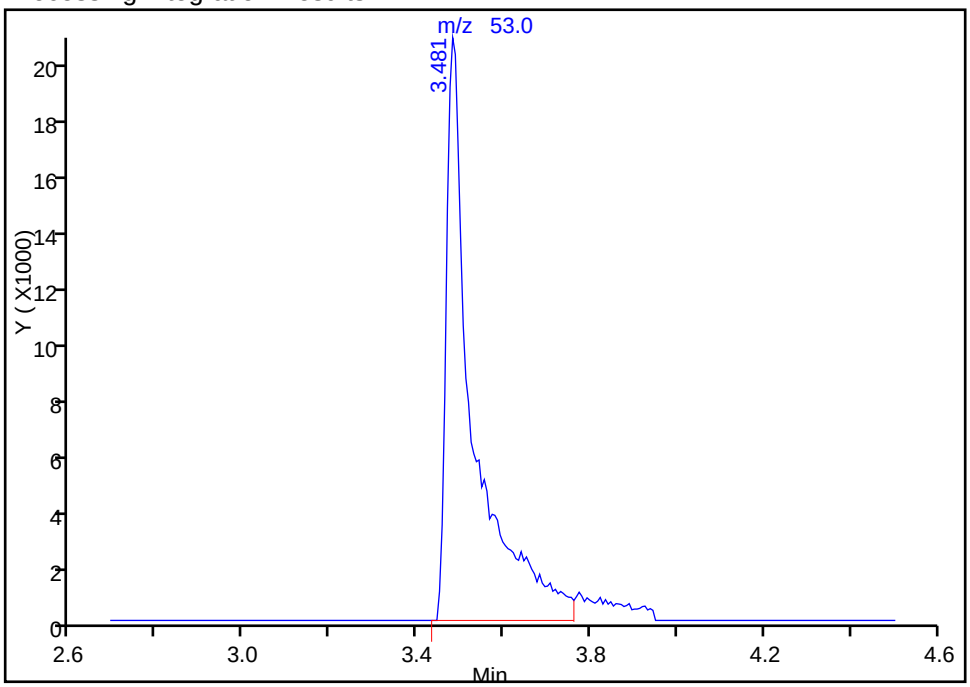
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

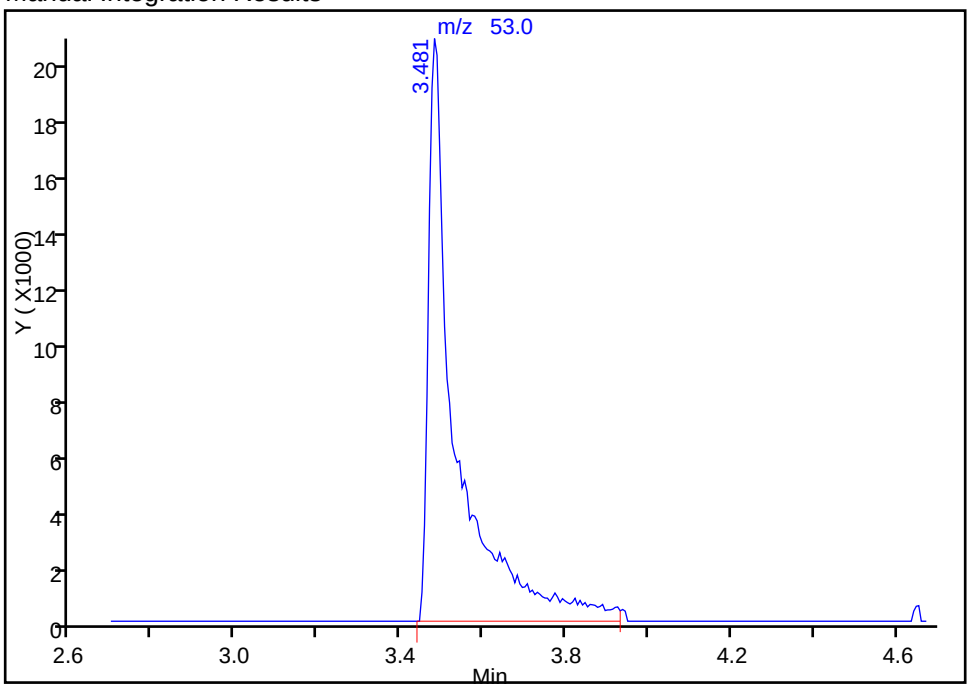
Processing Integration Results

RT: 3.48
Area: 88428
Amount: 22.739296
Amount Units: ug/L



Manual Integration Results

RT: 3.48
Area: 94516
Amount: 23.508328
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:51:13
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

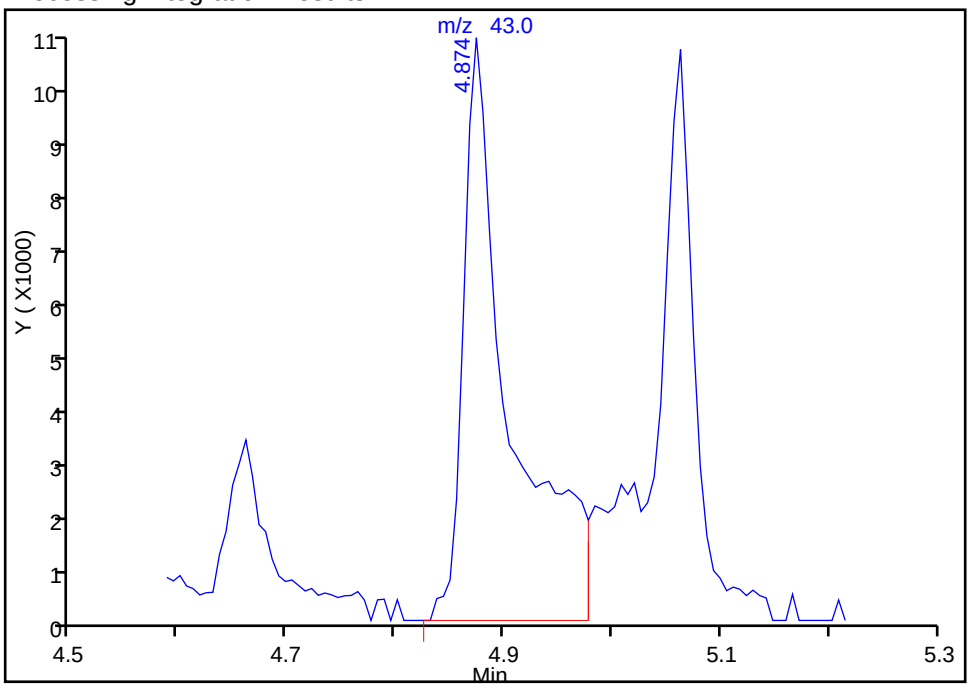
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

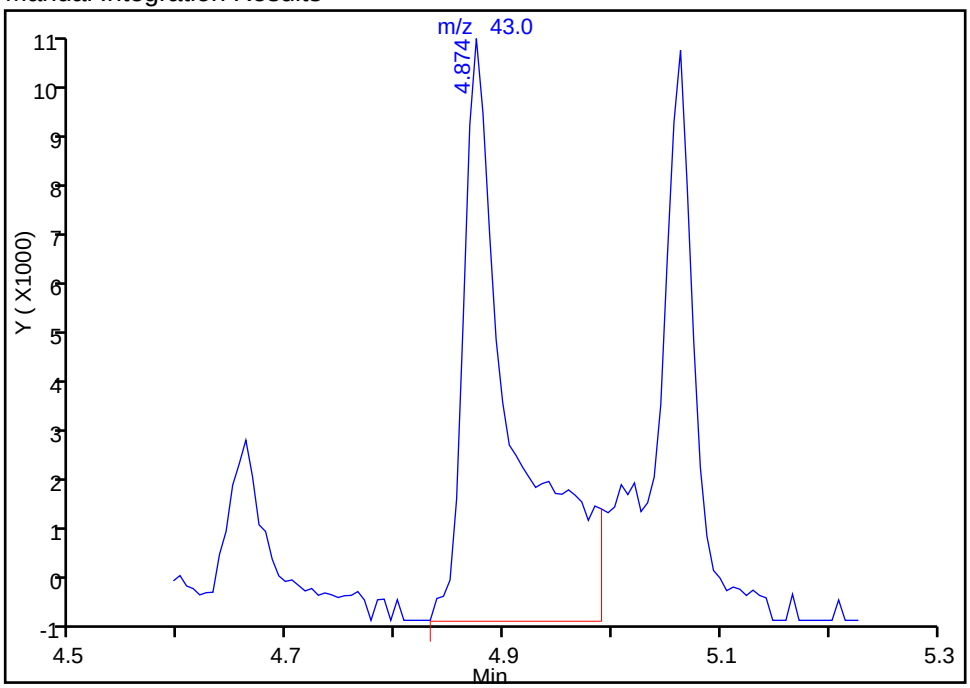
Processing Integration Results

RT: 4.87
Area: 30446
Amount: 60.725672
Amount Units: ug/L



Manual Integration Results

RT: 4.87
Area: 32050
Amount: 55.836798
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:10:38
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

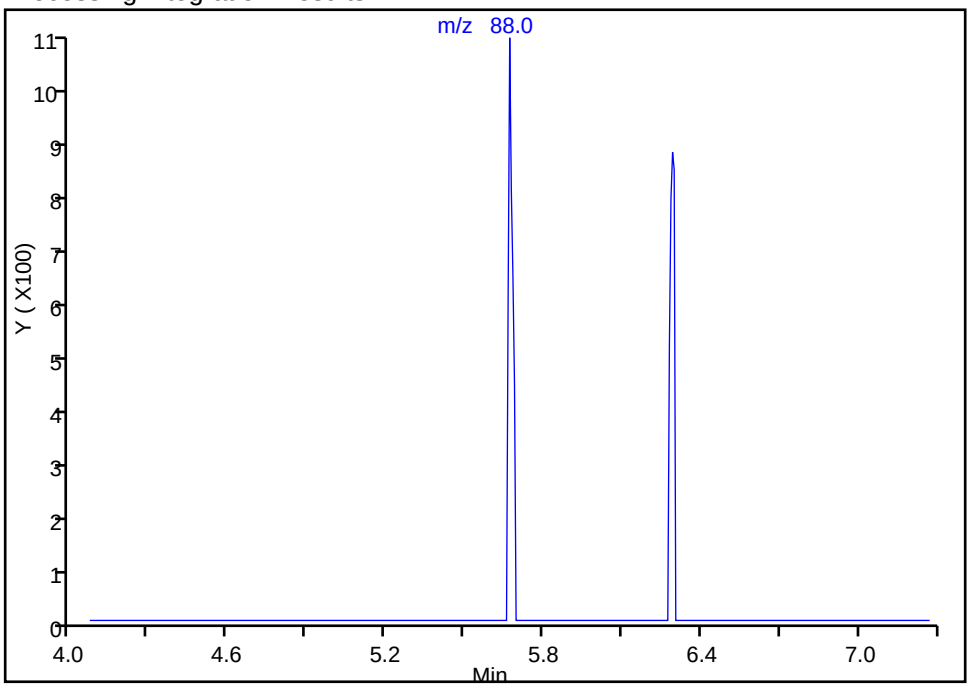
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7636.D
Injection Date: 16-Dec-2015 00:47:30 Instrument ID: HP5973Q
Lims ID: IC 3
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

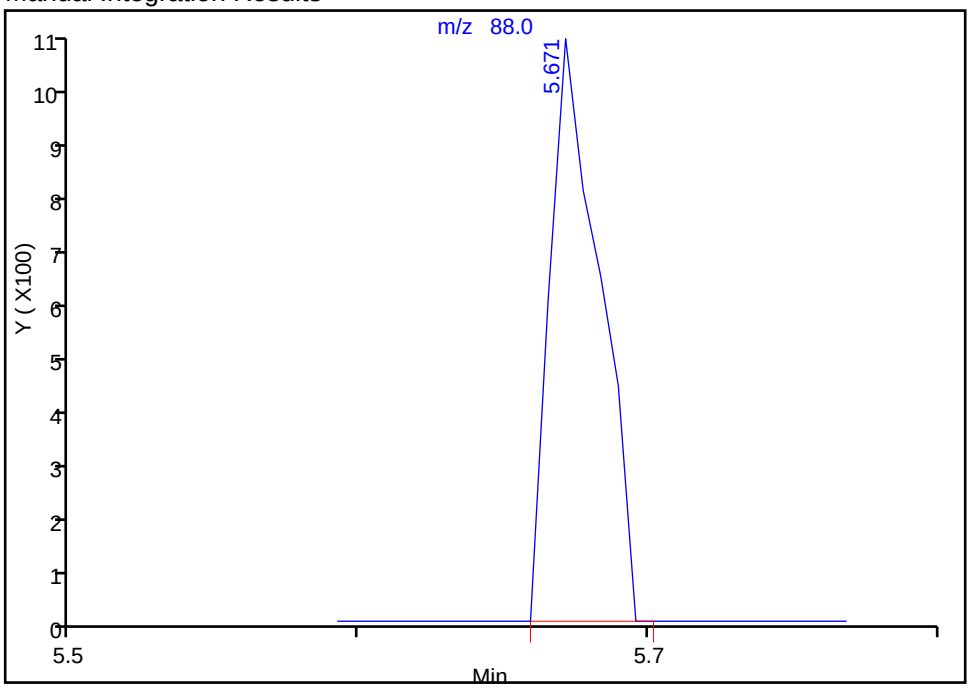
Not Detected
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67
Area: 1302
Amount: 47.193775
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:23:32
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Dec-2015 01:10:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0049261-008
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:13:50 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: gentilej Date: 16-Dec-2015 15:55:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.122	-0.004	99	98408	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.406	7.410	-0.004	84	187327	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.277	0.002	93	223638	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.642	0.002	96	134693	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.891	0.002	0	77902	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.286	6.290	-0.004	93	463063	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	8.336	8.340	-0.004	96	167037	25.0	25.4	
10 Dichlorodifluoromethane	85	1.444	1.442	0.002	91	38584	5.00	5.45	M
12 Chloromethane	50	1.620	1.630	-0.010	98	53369	5.00	5.18	
13 Vinyl chloride	62	1.705	1.716	-0.011	96	39901	5.00	5.28	
144 Butadiene	54	1.742	1.740	0.002	87	32457	5.00	5.26	
14 Bromomethane	94	2.040	2.050	-0.010	93	26363	5.00	5.15	
15 Chloroethane	64	2.125	2.135	-0.010	97	23661	5.00	5.55	
17 Trichlorofluoromethane	101	2.320	2.318	0.002	98	44202	5.00	5.57	
16 Dichlorofluoromethane	67	2.326	2.342	-0.016	88	58407	5.00	5.17	
18 Ethyl ether	59	2.593	2.598	-0.005	92	29221	5.00	4.92	
20 Acrolein	56	2.746	2.744	0.002	98	28467	25.0	23.3	M
22 1,1-Dichloroethene	96	2.800	2.798	0.002	97	28147	5.00	5.22	
21 1,1,2-Trichloro-1,2,2-trif	101	2.800	2.817	-0.017	43	19999	5.00	5.83	M
23 Acetone	43	2.892	2.884	0.008	100	57450	25.0	28.3	M
25 Iodomethane	142	2.940	2.938	0.002	98	59250	5.00	5.06	
26 Carbon disulfide	76	2.983	2.981	0.002	99	91218	5.00	5.17	
28 3-Chloro-1-propene	41	3.129	3.127	0.002	91	49673	5.00	4.77	
27 Methyl acetate	43	3.165	3.163	0.002	98	194166	25.0	24.3	
30 Methylene Chloride	84	3.251	3.249	0.001	96	30193	5.00	4.76	
31 2-Methyl-2-propanol	59	3.384	3.376	0.008	97	32935	50.0	57.7	M
32 Methyl tert-butyl ether	73	3.451	3.449	0.002	95	102857	5.00	4.91	
34 trans-1,2-Dichloroethene	96	3.463	3.462	0.001	98	31331	5.00	5.01	
33 Acrylonitrile	53	3.482	3.480	0.002	100	221323	50.0	51.1	M
35 Hexane	57	3.646	3.644	0.002	93	46503	5.00	5.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.810	3.814	-0.004	96	58161	5.00	5.14	
37 Vinyl acetate	43	3.853	3.851	0.002	97	155450	10.0	9.26	
44 2,2-Dichloropropane	77	4.254	4.252	0.002	88	34464	5.00	5.16	
45 cis-1,2-Dichloroethene	96	4.273	4.271	0.002	82	34563	5.00	5.02	
43 2-Butanone (MEK)	43	4.285	4.283	0.002	100	125354	25.0	23.2	
48 Chlorobromomethane	128	4.461	4.459	0.002	94	19366	5.00	5.05	M
49 Tetrahydrofuran	42	4.485	4.484	0.001	91	38497	10.0	10.4	
50 Chloroform	83	4.516	4.520	-0.004	95	53833	5.00	5.14	
51 1,1,1-Trichloroethane	97	4.631	4.630	0.001	98	42171	5.00	5.17	
52 Cyclohexane	56	4.650	4.654	-0.004	94	48015	5.00	5.14	
55 Carbon tetrachloride	117	4.747	4.751	-0.004	98	39829	5.00	5.16	
54 1,1-Dichloropropene	75	4.753	4.751	0.002	96	42580	5.00	5.20	
53 Isobutyl alcohol	43	4.875	4.873	0.002	94	80111	125.0	136.1	M
57 Benzene	78	4.911	4.915	-0.004	95	120018	5.00	5.08	
58 1,2-Dichloroethane	62	4.948	4.952	-0.004	97	44407	5.00	5.05	
59 n-Heptane	43	5.063	5.061	0.002	95	47126	5.00	5.06	
62 Trichloroethene	95	5.392	5.390	0.002	95	31895	5.00	5.10	
64 Methylcyclohexane	83	5.507	5.506	0.001	91	50910	5.00	5.33	
65 1,2-Dichloropropane	63	5.568	5.572	-0.004	95	29484	5.00	4.97	
66 1,4-Dioxane	88	5.672	5.670	0.002	0	5170	100.0	95.1	M
67 Dibromomethane	93	5.678	5.676	0.002	91	20712	5.00	4.98	
68 Dichlorobromomethane	83	5.781	5.785	-0.004	98	37919	5.00	4.96	
69 2-Chloroethyl vinyl ether	63	5.988	5.986	0.002	93	23159	5.00	5.06	
77 trans-1,3-Dichloropropene	75	6.104	6.108	-0.004	95	46594	5.00	4.93	
73 4-Methyl-2-pentanone (MIBK	43	6.201	6.205	-0.004	97	278280	25.0	26.6	
74 Toluene	92	6.341	6.339	0.002	99	74891	5.00	5.07	
72 cis-1,3-Dichloropropene	75	6.523	6.528	-0.005	97	41910	5.00	4.97	
75 Ethyl methacrylate	69	6.554	6.552	0.002	92	46355	5.00	5.04	
79 1,1,2-Trichloroethane	83	6.675	6.674	0.001	91	22444	5.00	4.95	
81 Tetrachloroethene	166	6.755	6.753	0.002	98	34322	5.00	5.15	
82 1,3-Dichloropropane	76	6.797	6.801	-0.004	89	46353	5.00	4.94	
80 2-Hexanone	43	6.834	6.832	0.002	98	217230	25.0	27.1	
83 Chlorodibromomethane	129	6.980	6.984	-0.004	90	31244	5.00	4.74	
84 Ethylene Dibromide	107	7.071	7.069	0.002	98	30153	5.00	4.88	
87 Chlorobenzene	112	7.430	7.434	-0.004	97	84880	5.00	5.04	
88 Ethylbenzene	91	7.497	7.495	0.002	98	137516	5.00	5.19	
89 1,1,1,2-Tetrachloroethane	131	7.497	7.495	0.002	46	31981	5.00	4.92	
90 m-Xylene & p-Xylene	106	7.582	7.586	-0.004	0	55840	5.00	5.02	
91 o-Xylene	106	7.904	7.902	0.002	95	56643	5.00	5.09	
92 Styrene	104	7.923	7.921	0.002	96	92578	5.00	5.13	
95 Bromoform	173	8.105	8.109	-0.004	98	21576	5.00	4.61	
94 Isopropylbenzene	105	8.190	8.188	0.002	95	140548	5.00	5.14	
101 Bromobenzene	156	8.464	8.468	-0.004	93	40010	5.00	5.05	
97 1,1,2,2-Tetrachloroethane	83	8.470	8.468	0.002	94	45943	5.00	4.95	
100 1,2,3-Trichloropropane	110	8.507	8.505	0.002	85	15662	5.00	5.02	
98 trans-1,4-Dichloro-2-buten	53	8.507	8.505	0.002	76	12706	5.00	4.93	
99 N-Propylbenzene	91	8.519	8.517	0.002	99	162882	5.00	5.23	
103 2-Chlorotoluene	126	8.610	8.608	0.002	98	35584	5.00	4.93	
102 1,3,5-Trimethylbenzene	105	8.659	8.657	0.002	95	119926	5.00	5.15	
105 4-Chlorotoluene	126	8.695	8.699	-0.004	96	37519	5.00	4.99	
106 tert-Butylbenzene	134	8.926	8.924	0.002	91	28555	5.00	5.03	
107 1,2,4-Trimethylbenzene	105	8.969	8.967	0.002	96	123313	5.00	5.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.103	9.101	0.002	93	144251	5.00	5.23	
110 4-Isopropyltoluene	119	9.218	9.216	0.002	98	134947	5.00	5.22	
111 1,3-Dichlorobenzene	146	9.224	9.223	0.001	98	74878	5.00	4.99	
113 1,4-Dichlorobenzene	146	9.297	9.296	0.001	96	78304	5.00	5.03	
115 n-Butylbenzene	91	9.553	9.557	-0.004	97	108971	5.00	5.29	
116 1,2-Dichlorobenzene	146	9.614	9.612	0.002	99	74279	5.00	5.01	
117 1,2-Dibromo-3-Chloropropan	75	10.271	10.269	0.002	89	11111	5.00	4.96	
119 1,2,4-Trichlorobenzene	180	10.934	10.932	0.002	93	54797	5.00	5.14	
120 Hexachlorobutadiene	225	11.043	11.042	0.001	97	19279	5.00	5.18	
121 Naphthalene	128	11.135	11.133	0.002	97	179582	5.00	5.18	
122 1,2,3-Trichlorobenzene	180	11.329	11.327	0.002	96	52036	5.00	5.13	
S 125 1,2-Dichloroethene, Total	1				0			10.0	
S 126 1,3-Dichloropropene, Total	1				0			9.90	
S 123 Total BTEX	1				0			25.5	
S 124 Xylenes, Total	1				0			10.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00126	Amount Added:	5.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

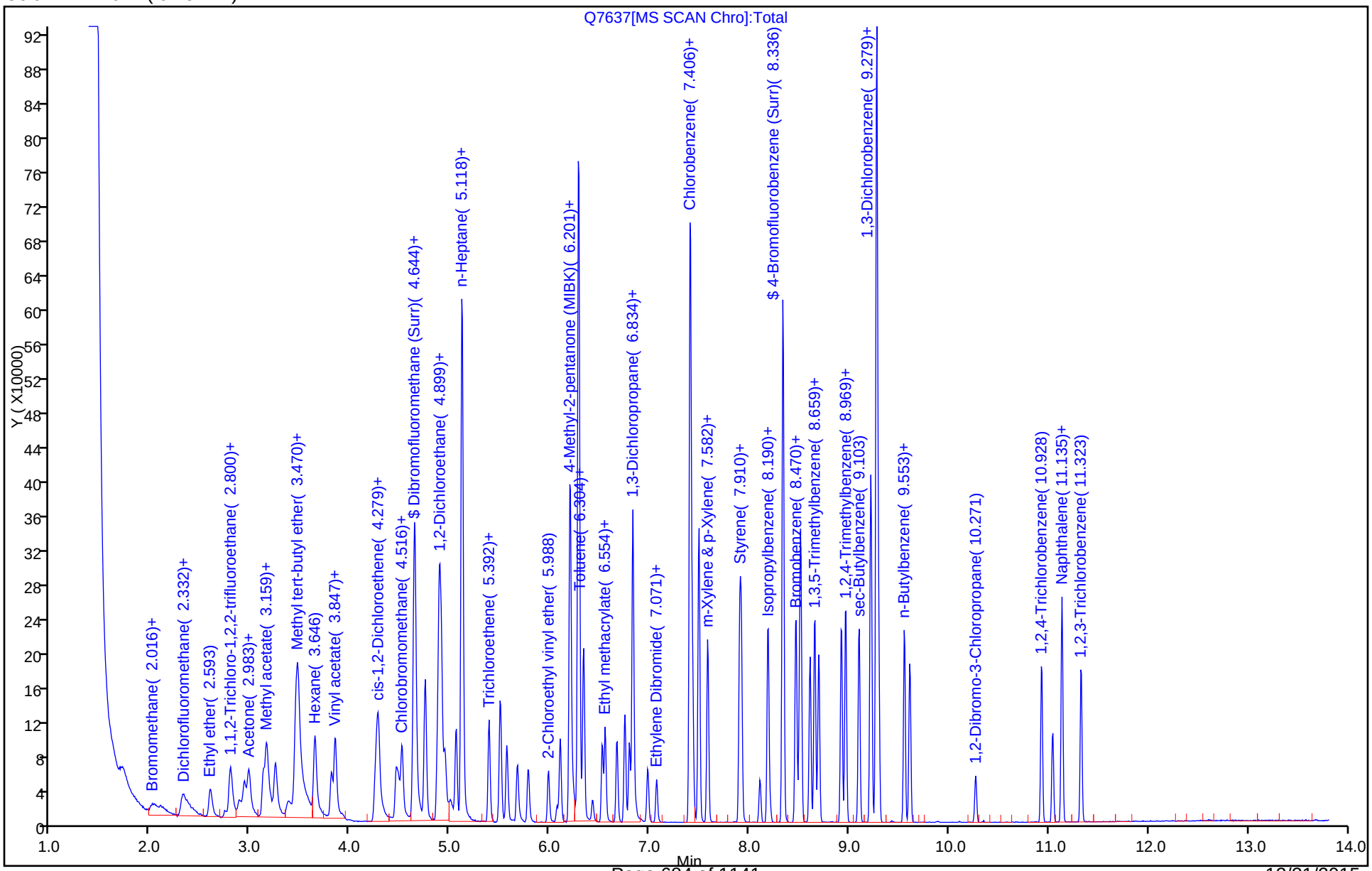
Report Date: 17-Dec-2015 13:13:51 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D

Injection Date:	16-Dec-2015 01:10:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

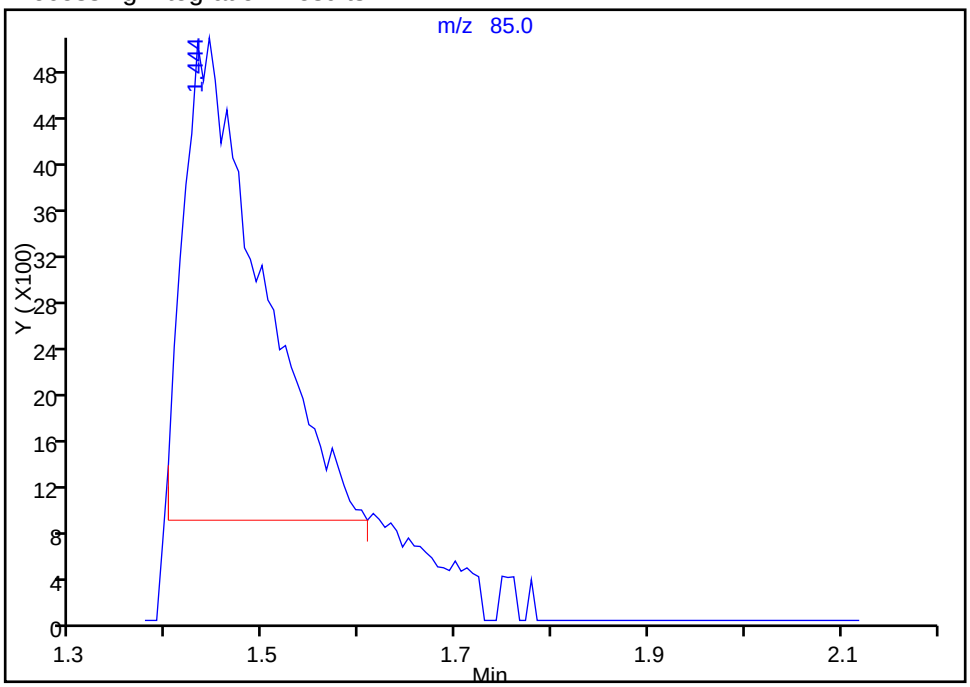
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

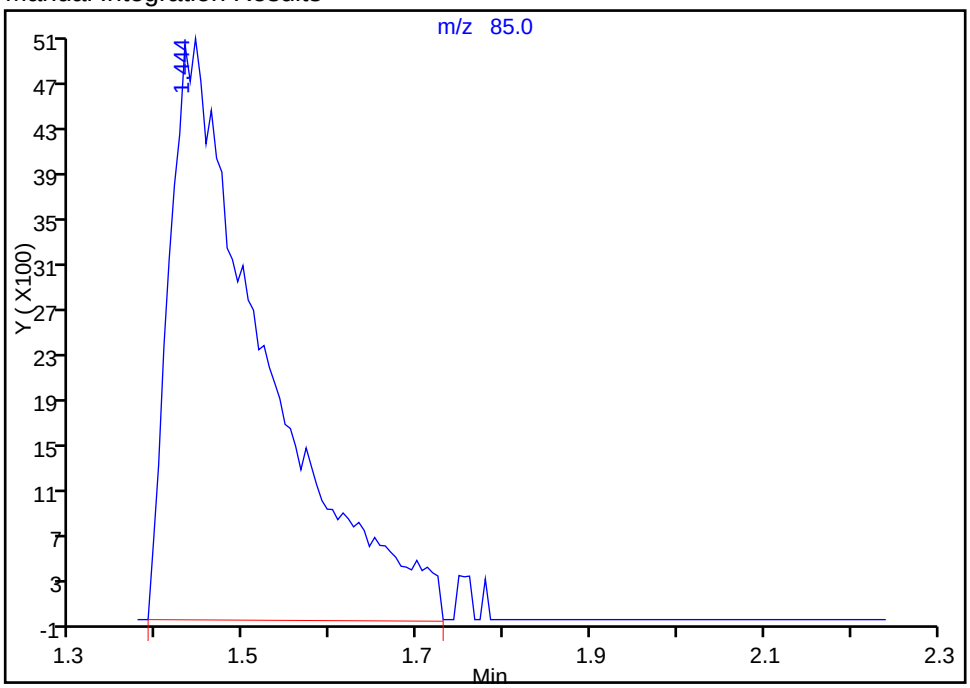
Processing Integration Results

RT: 1.44
Area: 22938
Amount: 3.820129
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 38584
Amount: 5.447010
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:53:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

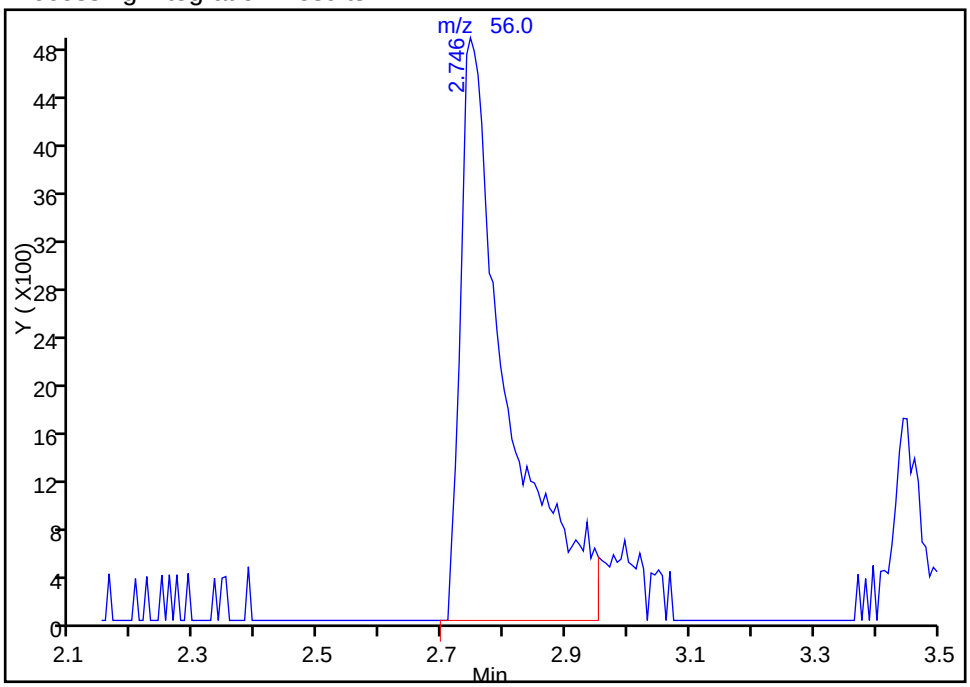
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

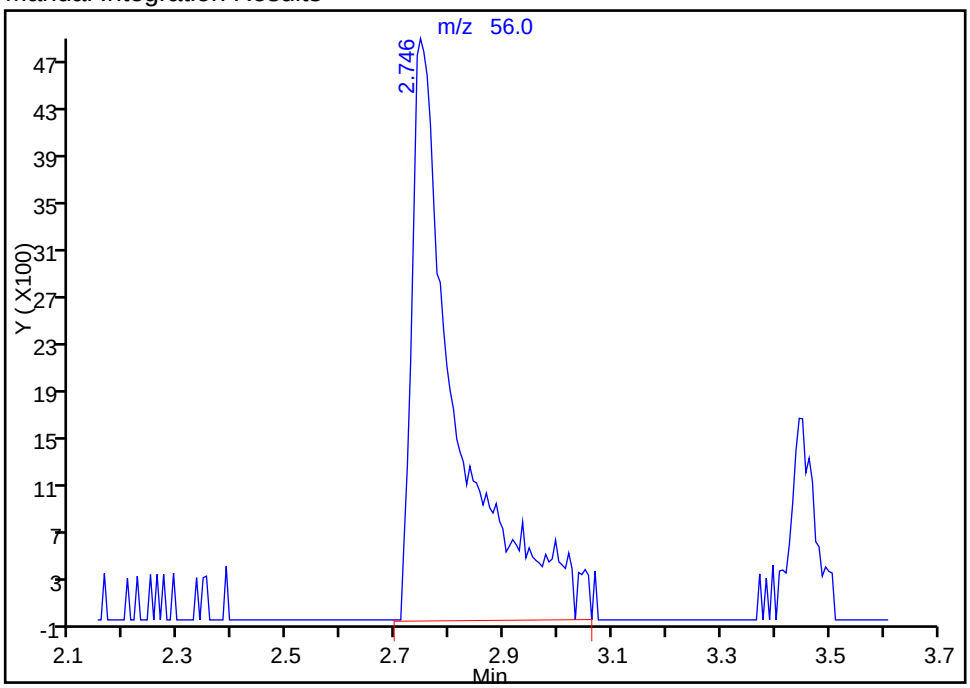
Processing Integration Results

RT: 2.75
Area: 25608
Amount: 21.191259
Amount Units: ug/L



Manual Integration Results

RT: 2.75
Area: 28467
Amount: 23.281742
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:53:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

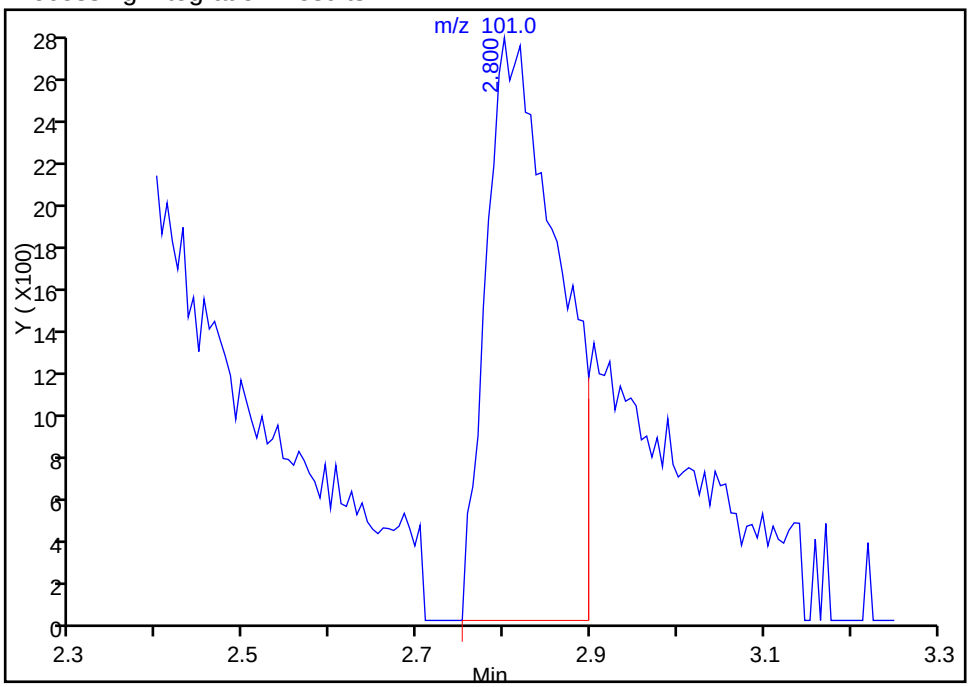
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

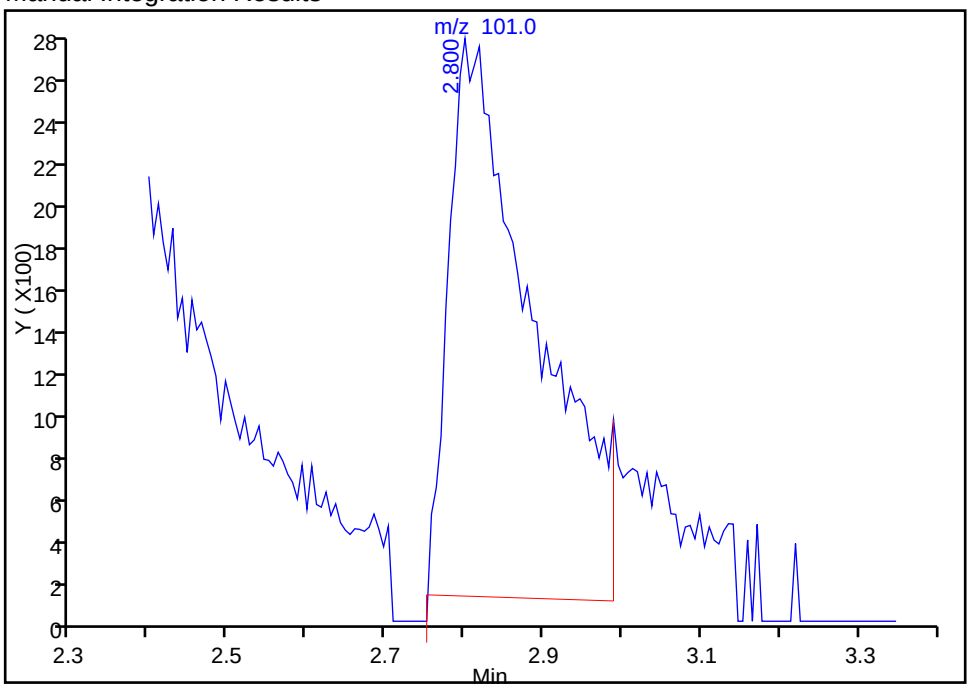
Processing Integration Results

RT: 2.80
Area: 16090
Amount: 5.187770
Amount Units: ug/L



Manual Integration Results

RT: 2.80
Area: 19999
Amount: 5.830626
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:13:50
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

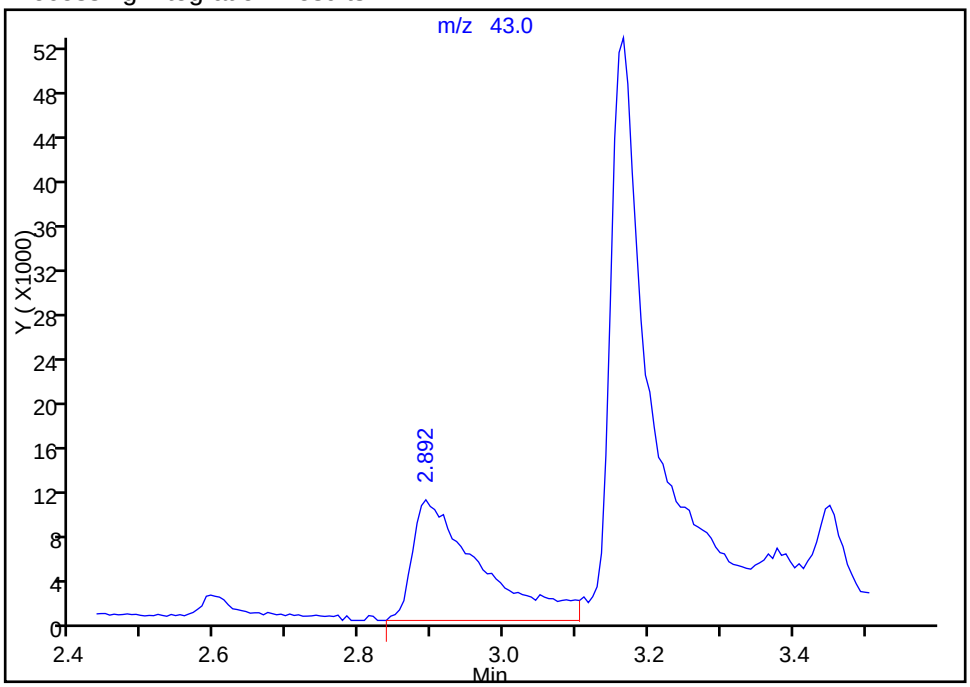
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

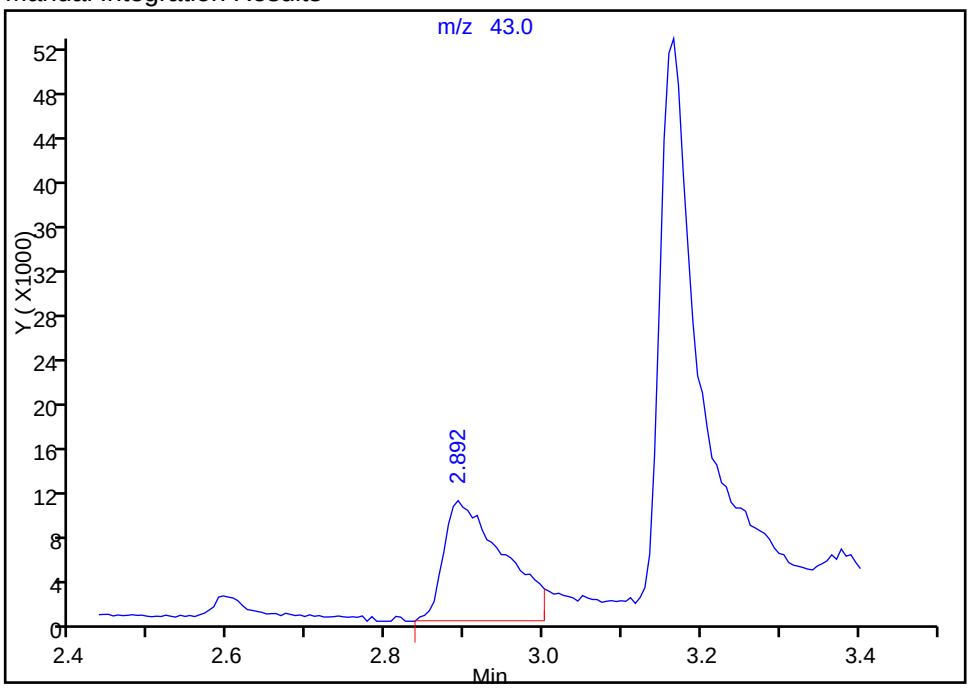
Processing Integration Results

RT: 2.89
Area: 70799
Amount: 33.625356
Amount Units: ug/L



Manual Integration Results

RT: 2.89
Area: 57450
Amount: 28.312013
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:40:06
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

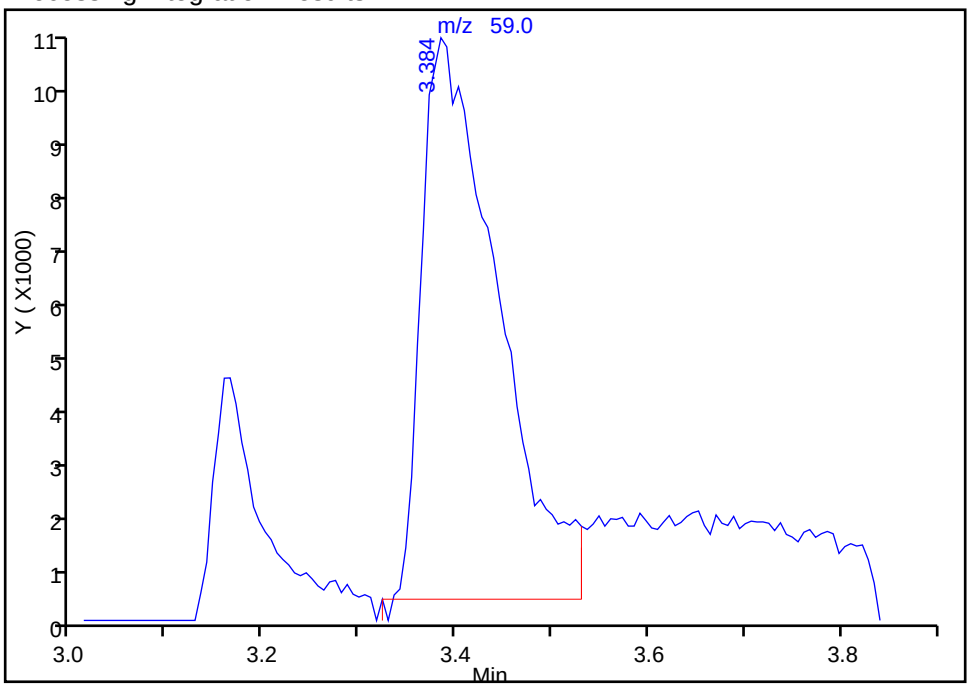
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

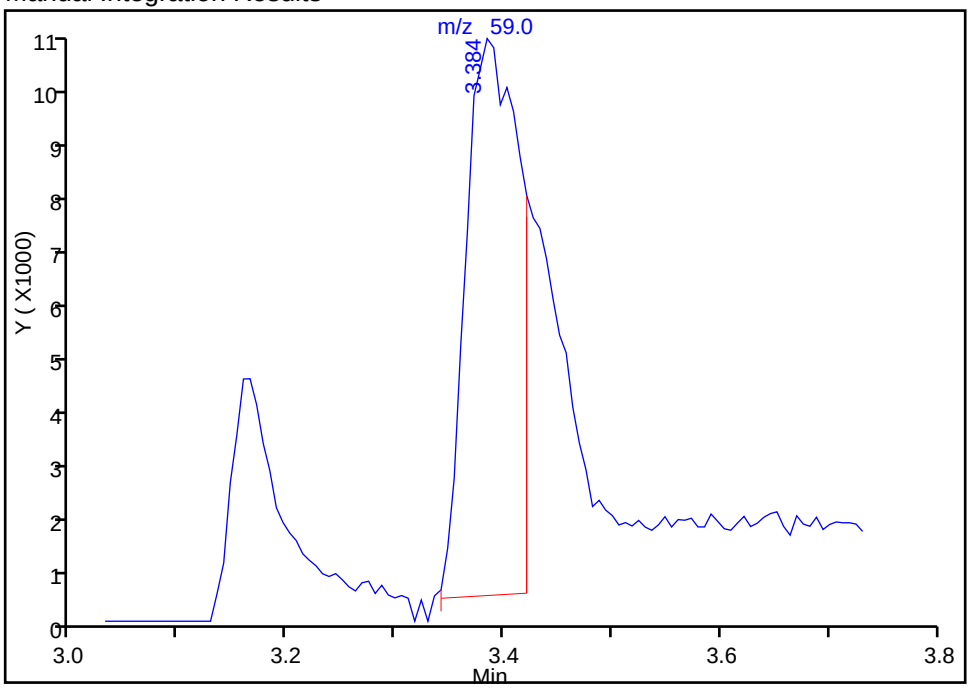
Processing Integration Results

RT: 3.38
Area: 52891
Amount: 85.212840
Amount Units: ug/L



Manual Integration Results

RT: 3.38
Area: 32935
Amount: 57.699433
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:01:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

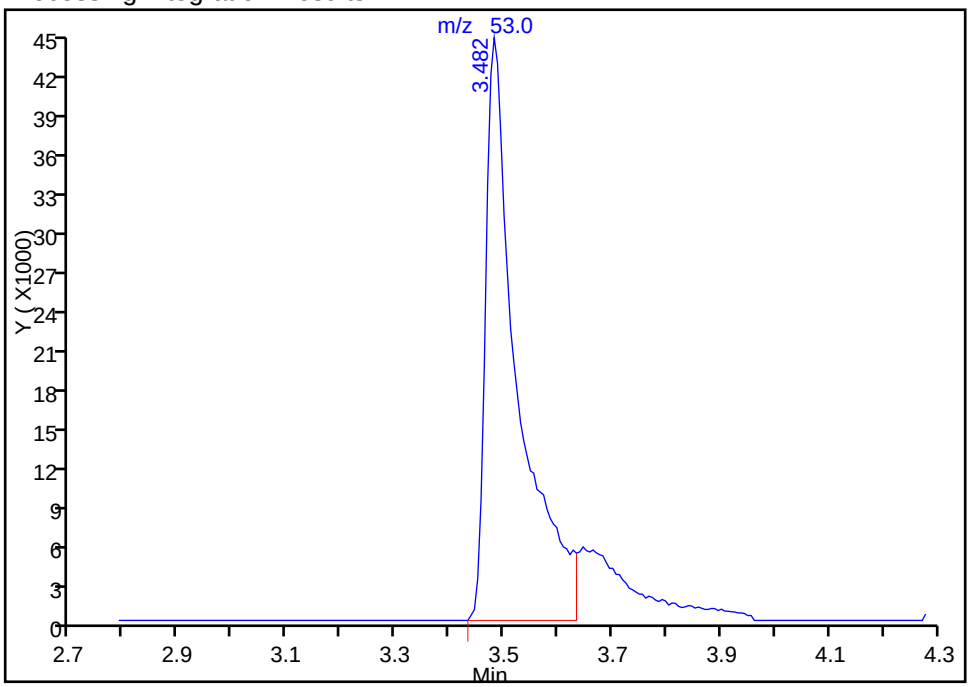
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

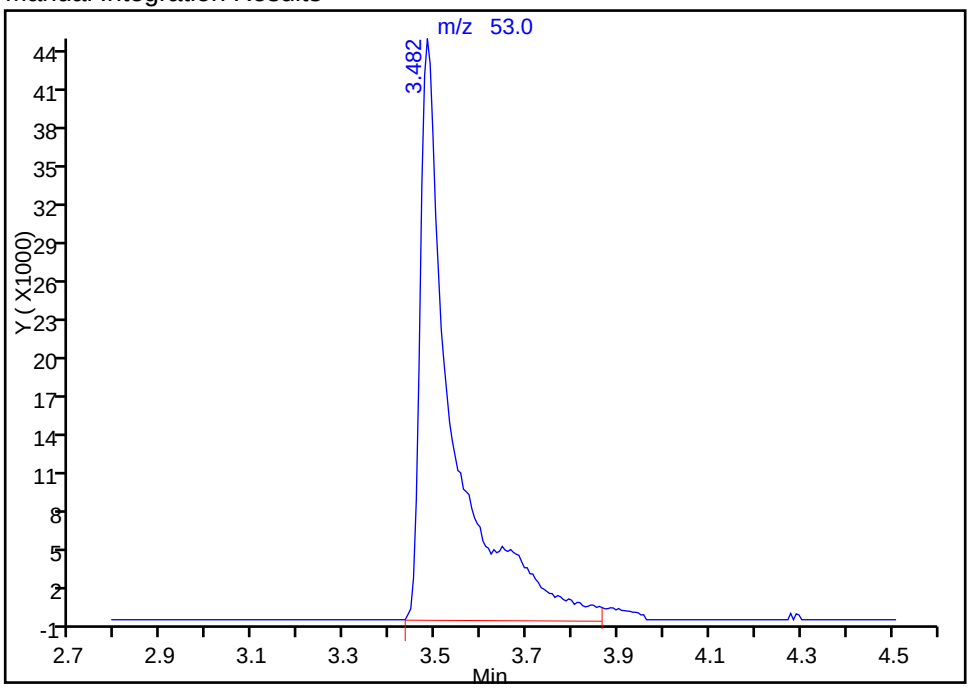
Processing Integration Results

RT: 3.48
Area: 182662
Amount: 45.099339
Amount Units: ug/L



Manual Integration Results

RT: 3.48
Area: 221323
Amount: 51.133765
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:53:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

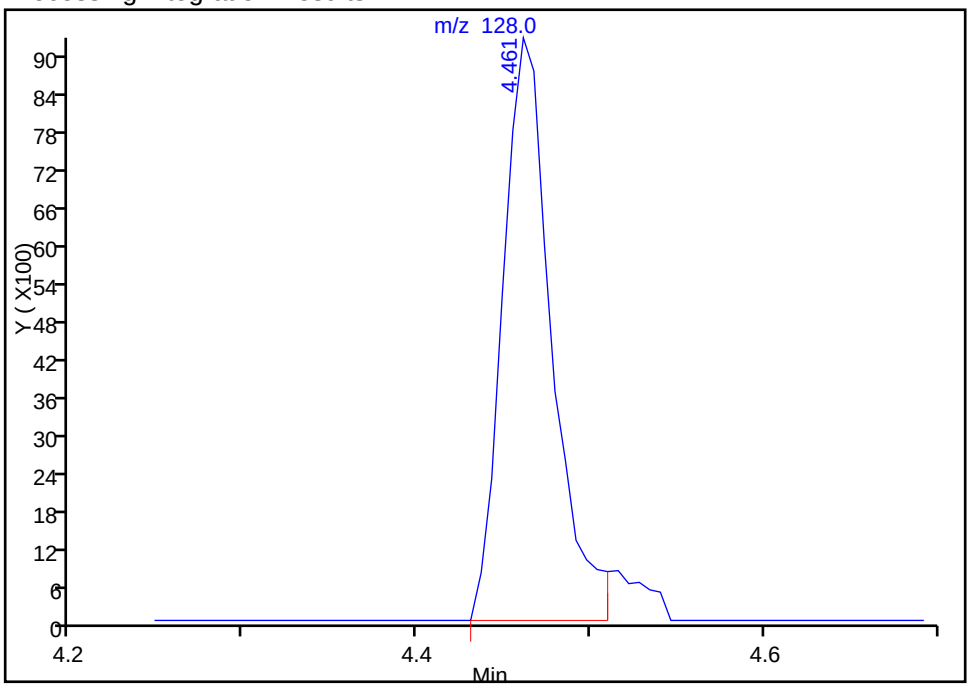
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

48 Chlorobromomethane, CAS: 74-97-5

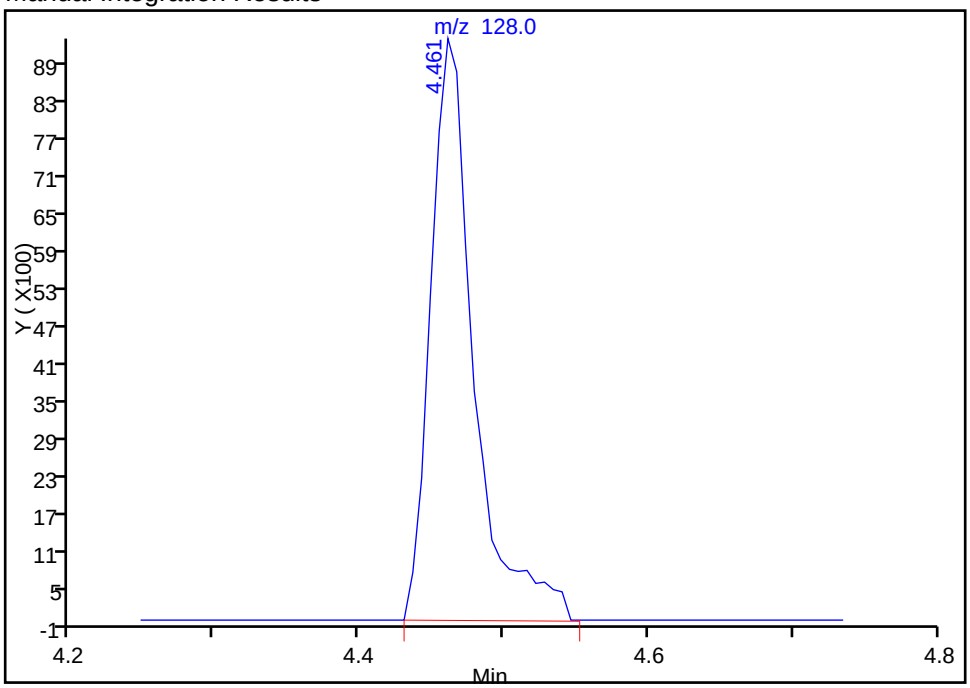
Processing Integration Results

RT: 4.46
Area: 18232
Amount: 4.796831
Amount Units: ug/L



Manual Integration Results

RT: 4.46
Area: 19366
Amount: 5.052120
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:53:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

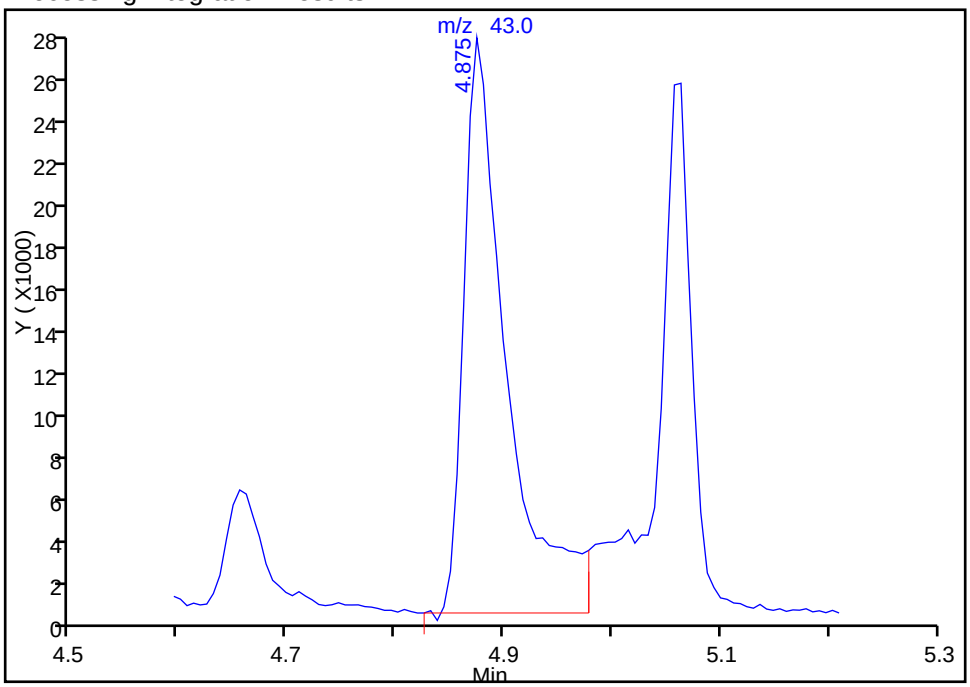
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

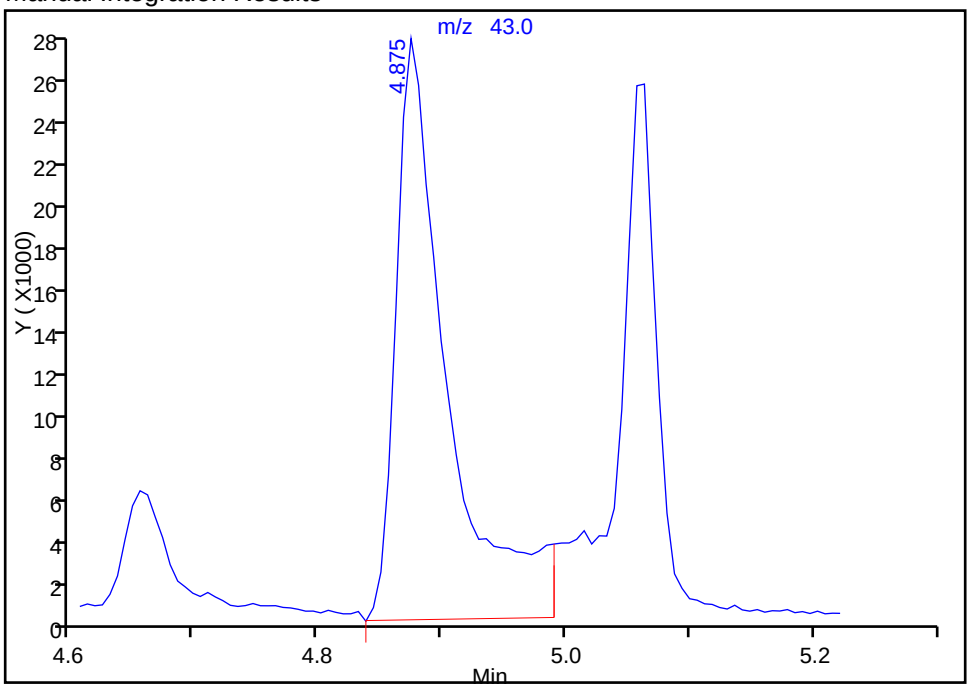
Processing Integration Results

RT: 4.87
Area: 75365
Amount: 144.4187
Amount Units: ug/L



Manual Integration Results

RT: 4.87
Area: 80111
Amount: 136.1357
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:11:00
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

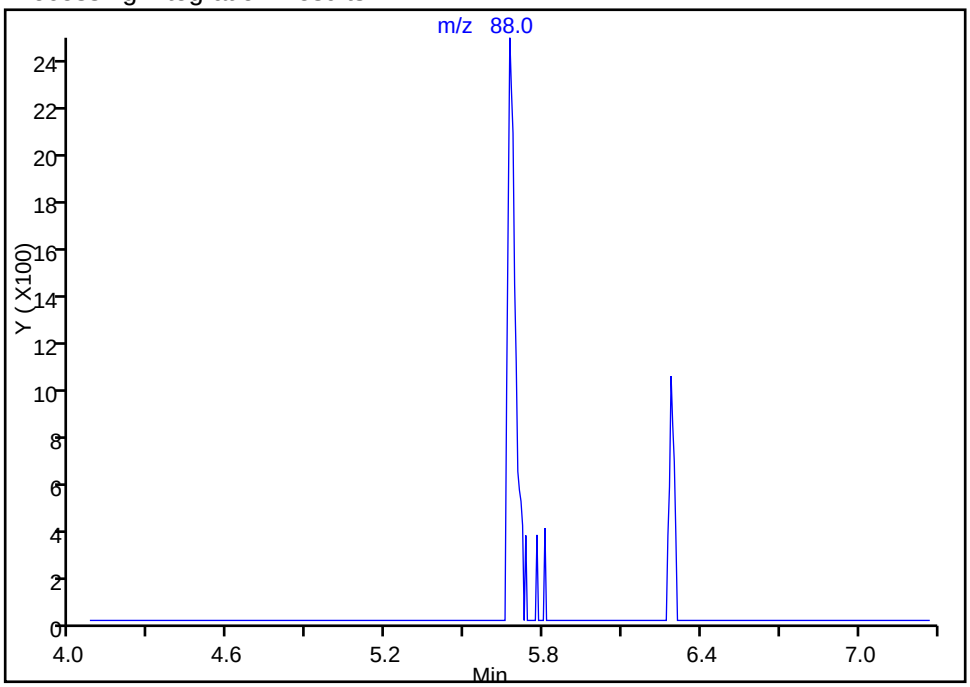
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7637.D
Injection Date: 16-Dec-2015 01:10:30 Instrument ID: HP5973Q
Lims ID: IC 4
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

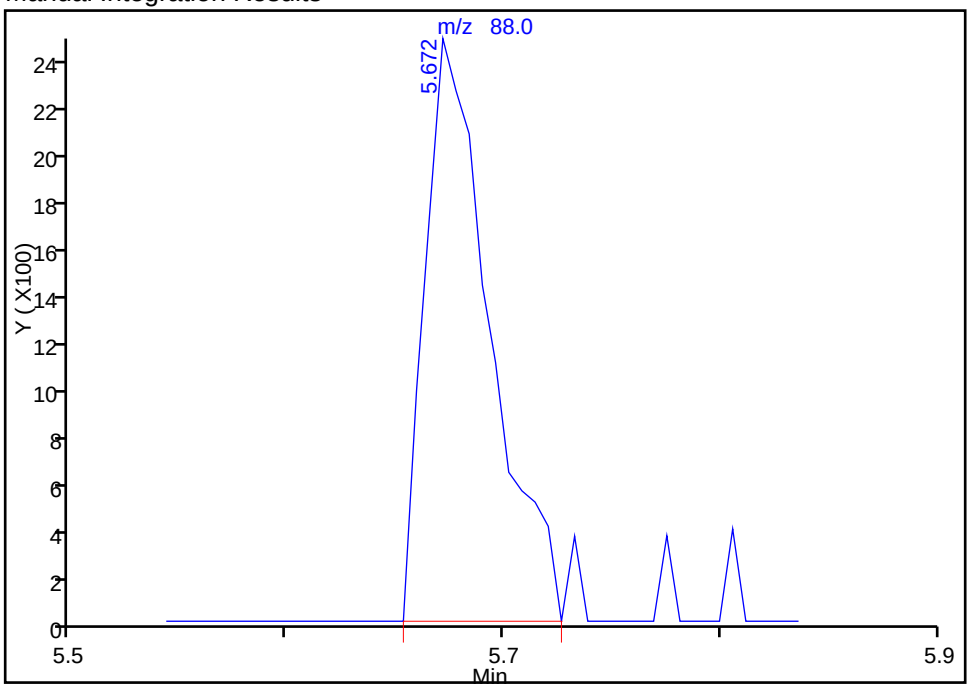
Not Detected
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67
Area: 5170
Amount: 95.133350
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:23:51
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Dec-2015 01:33:30 ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0049261-009
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:03:47 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: gentilej Date: 16-Dec-2015 15:57:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.119	5.119	0.000	99	101077	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.406	7.406	0.000	85	185870	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.274	9.274	0.000	93	219437	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.645	4.645	0.000	95	139050	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.894	4.894	0.000	0	79620	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.287	6.287	0.000	92	465574	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	8.337	8.337	0.000	97	163817	25.0	25.1	
10 Dichlorodifluoromethane	85	1.439	1.439	0.000	99	63340	10.0	9.20	M
12 Chloromethane	50	1.621	1.621	0.000	99	94678	10.0	8.96	
13 Vinyl chloride	62	1.718	1.718	0.000	97	70301	10.0	9.05	
144 Butadiene	54	1.737	1.737	0.000	87	58803	10.0	9.28	M
14 Bromomethane	94	2.041	2.041	0.000	90	49802	10.0	9.47	
15 Chloroethane	64	2.132	2.132	0.000	99	42755	10.0	9.77	
17 Trichlorofluoromethane	101	2.315	2.315	0.000	98	74198	10.0	9.11	
16 Dichlorofluoromethane	67	2.339	2.339	0.000	98	105821	10.0	9.13	
18 Ethyl ether	59	2.594	2.594	0.000	91	61353	10.0	10.1	
20 Acrolein	56	2.747	2.747	0.000	99	55103	50.0	43.9	
22 1,1-Dichloroethene	96	2.801	2.801	0.000	98	53556	10.0	9.67	
21 1,1,2-Trichloro-1,2,2-trif	101	2.820	2.820	0.000	59	43333	10.0	12.0	M
23 Acetone	43	2.886	2.886	0.000	100	91867	50.0	43.5	M
25 Iodomethane	142	2.941	2.941	0.000	98	117292	10.0	9.75	
26 Carbon disulfide	76	2.984	2.984	0.000	99	171040	10.0	9.43	
28 3-Chloro-1-propene	41	3.130	3.130	0.000	92	97024	10.0	9.07	
27 Methyl acetate	43	3.160	3.160	0.000	98	377368	50.0	45.4	M
30 Methylene Chloride	84	3.251	3.251	0.000	95	60818	10.0	9.33	
31 2-Methyl-2-propanol	59	3.373	3.373	0.000	99	49313	100.0	84.1	
32 Methyl tert-butyl ether	73	3.452	3.452	0.000	95	214124	10.0	9.96	
34 trans-1,2-Dichloroethene	96	3.464	3.464	0.000	98	60866	10.0	9.48	
33 Acrylonitrile	53	3.483	3.483	0.000	99	429741	100.0	100.9	
35 Hexane	57	3.647	3.647	0.000	92	74382	10.0	8.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.811	3.811	0.000	97	111277	10.0	9.57	
37 Vinyl acetate	43	3.848	3.848	0.000	97	328978	20.0	19.1	
44 2,2-Dichloropropane	77	4.255	4.255	0.000	88	66750	10.0	9.73	
45 cis-1,2-Dichloroethene	96	4.273	4.273	0.000	83	69063	10.0	9.77	
43 2-Butanone (MEK)	43	4.286	4.286	0.000	99	259785	50.0	46.9	
48 Chlorobromomethane	128	4.462	4.462	0.000	94	38938	10.0	9.89	
49 Tetrahydrofuran	42	4.480	4.480	0.000	91	74961	20.0	19.8	
50 Chloroform	83	4.517	4.517	0.000	95	102181	10.0	9.50	
51 1,1,1-Trichloroethane	97	4.632	4.632	0.000	99	79641	10.0	9.51	
52 Cyclohexane	56	4.651	4.651	0.000	93	88208	10.0	9.20	
55 Carbon tetrachloride	117	4.748	4.748	0.000	98	73989	10.0	9.33	
54 1,1-Dichloropropene	75	4.754	4.754	0.000	97	77868	10.0	9.25	
53 Isobutyl alcohol	43	4.870	4.870	0.000	95	141022	250.0	231.9	M
57 Benzene	78	4.912	4.912	0.000	96	230313	10.0	9.48	
58 1,2-Dichloroethane	62	4.949	4.949	0.000	97	88117	10.0	9.75	
59 n-Heptane	43	5.058	5.058	0.000	94	85590	10.0	8.95	
62 Trichloroethene	95	5.393	5.393	0.000	95	60498	10.0	9.41	
64 Methylcyclohexane	83	5.502	5.502	0.000	91	89023	10.0	9.08	
65 1,2-Dichloropropane	63	5.569	5.569	0.000	96	59264	10.0	9.72	
66 1,4-Dioxane	88	5.673	5.673	0.000	35	12919	200.0	206.2	M
67 Dibromomethane	93	5.673	5.673	0.000	90	41323	10.0	9.67	
68 Dichlorobromomethane	83	5.782	5.782	0.000	99	75620	10.0	9.63	
69 2-Chloroethyl vinyl ether	63	5.989	5.989	0.000	93	43665	10.0	9.29	
77 trans-1,3-Dichloropropene	75	6.105	6.105	0.000	94	90898	10.0	9.69	
73 4-Methyl-2-pentanone (MIBK	43	6.202	6.202	0.000	97	533066	50.0	51.4	
74 Toluene	92	6.342	6.342	0.000	98	139437	10.0	9.52	
72 cis-1,3-Dichloropropene	75	6.524	6.524	0.000	97	80449	10.0	9.29	
75 Ethyl methacrylate	69	6.555	6.555	0.000	92	87958	10.0	9.64	
79 1,1,2-Trichloroethane	83	6.670	6.670	0.000	92	43861	10.0	9.74	
81 Tetrachloroethene	166	6.756	6.756	0.000	98	61723	10.0	9.34	
82 1,3-Dichloropropane	76	6.798	6.798	0.000	90	89564	10.0	9.63	
80 2-Hexanone	43	6.835	6.835	0.000	97	399102	50.0	50.2	
83 Chlorodibromomethane	129	6.981	6.981	0.000	90	63226	10.0	9.66	
84 Ethylene Dibromide	107	7.072	7.072	0.000	99	60108	10.0	9.81	
87 Chlorobenzene	112	7.431	7.431	0.000	97	160632	10.0	9.60	
88 Ethylbenzene	91	7.492	7.492	0.000	98	253085	10.0	9.62	
89 1,1,1,2-Tetrachloroethane	131	7.498	7.498	0.000	46	63962	10.0	9.91	
90 m-Xylene & p-Xylene	106	7.583	7.583	0.000	0	105457	10.0	9.56	
91 o-Xylene	106	7.905	7.905	0.000	96	108367	10.0	9.82	
92 Styrene	104	7.924	7.924	0.000	96	173636	10.0	9.69	
95 Bromoform	173	8.106	8.106	0.000	98	43940	10.0	9.47	
94 Isopropylbenzene	105	8.185	8.185	0.000	95	258054	10.0	9.63	
101 Bromobenzene	156	8.465	8.465	0.000	92	74598	10.0	9.59	
97 1,1,2,2-Tetrachloroethane	83	8.471	8.471	0.000	95	89557	10.0	9.84	
100 1,2,3-Trichloropropane	110	8.508	8.508	0.000	86	30222	10.0	9.87	
98 trans-1,4-Dichloro-2-buten	53	8.508	8.508	0.000	78	24174	10.0	9.57	
99 N-Propylbenzene	91	8.520	8.520	0.000	99	297021	10.0	9.71	
103 2-Chlorotoluene	126	8.611	8.611	0.000	98	67722	10.0	9.56	
102 1,3,5-Trimethylbenzene	105	8.654	8.654	0.000	96	222146	10.0	9.72	
105 4-Chlorotoluene	126	8.696	8.696	0.000	96	69603	10.0	9.43	
106 tert-Butylbenzene	134	8.921	8.921	0.000	91	52069	10.0	9.35	
107 1,2,4-Trimethylbenzene	105	8.964	8.964	0.000	96	231500	10.0	9.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.098	9.098	0.000	93	258913	10.0	9.56	
110 4-Isopropyltoluene	119	9.213	9.213	0.000	97	244005	10.0	9.62	
111 1,3-Dichlorobenzene	146	9.225	9.225	0.000	99	142825	10.0	9.70	
113 1,4-Dichlorobenzene	146	9.298	9.298	0.000	96	147424	10.0	9.65	
115 n-Butylbenzene	91	9.554	9.554	0.000	97	193235	10.0	9.56	
116 1,2-Dichlorobenzene	146	9.609	9.609	0.000	99	141937	10.0	9.75	
117 1,2-Dibromo-3-Chloropropan	75	10.266	10.266	0.000	90	22140	10.0	10.1	
119 1,2,4-Trichlorobenzene	180	10.929	10.929	0.000	94	100976	10.0	9.66	
120 Hexachlorobutadiene	225	11.044	11.044	0.000	96	33940	10.0	9.29	
121 Naphthalene	128	11.136	11.136	0.000	97	345542	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	11.324	11.324	0.000	96	96311	10.0	9.68	
S 125 1,2-Dichloroethene, Total	1				0			19.3	
S 126 1,3-Dichloropropene, Total	1				0			19.0	
S 123 Total BTEX	1				0			48.0	
S 124 Xylenes, Total	1				0			19.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00126	Amount Added:	5.00	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

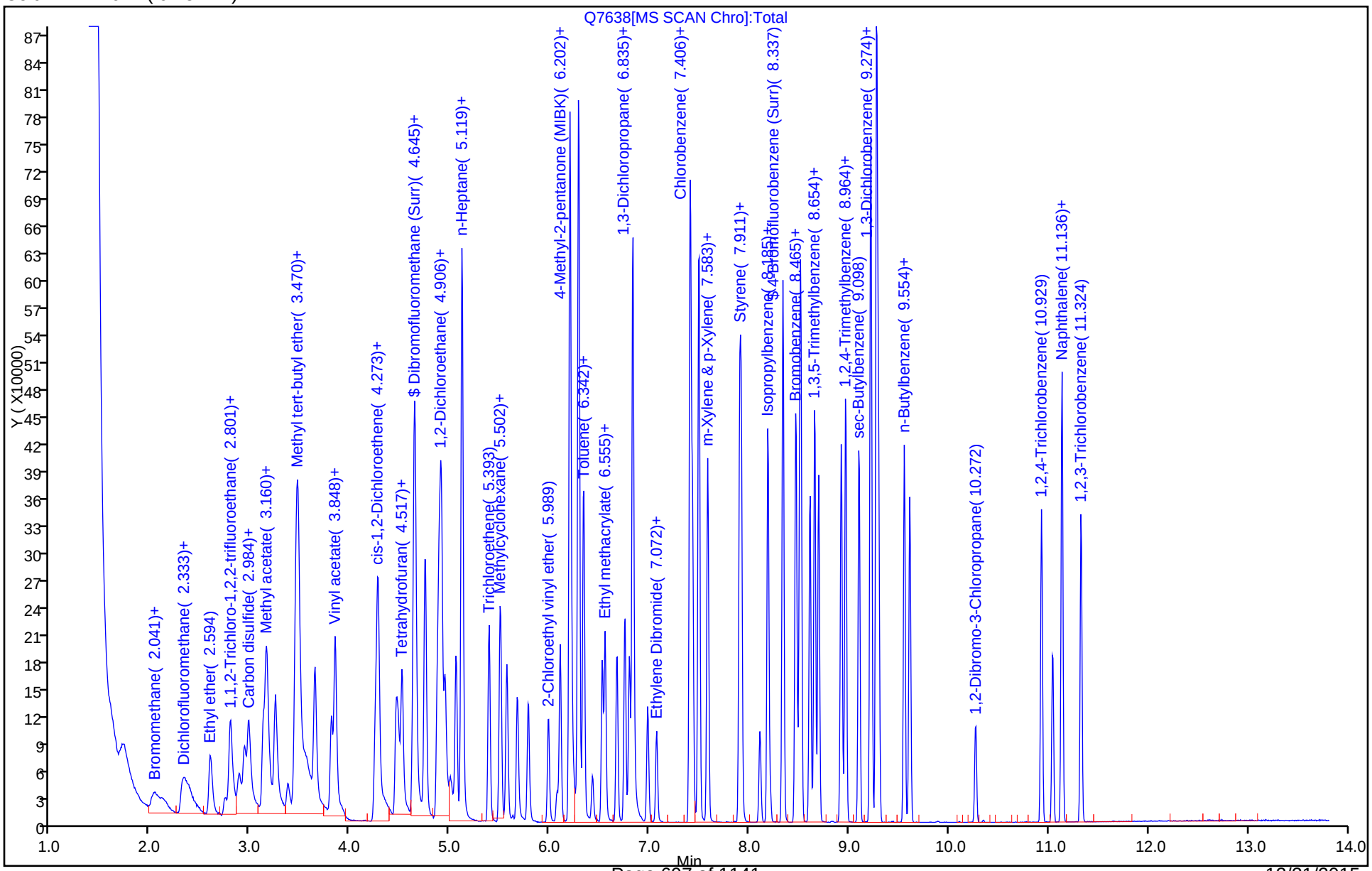
Report Date: 17-Dec-2015 13:03:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D

Injection Date:	16-Dec-2015 01:33:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	IC 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

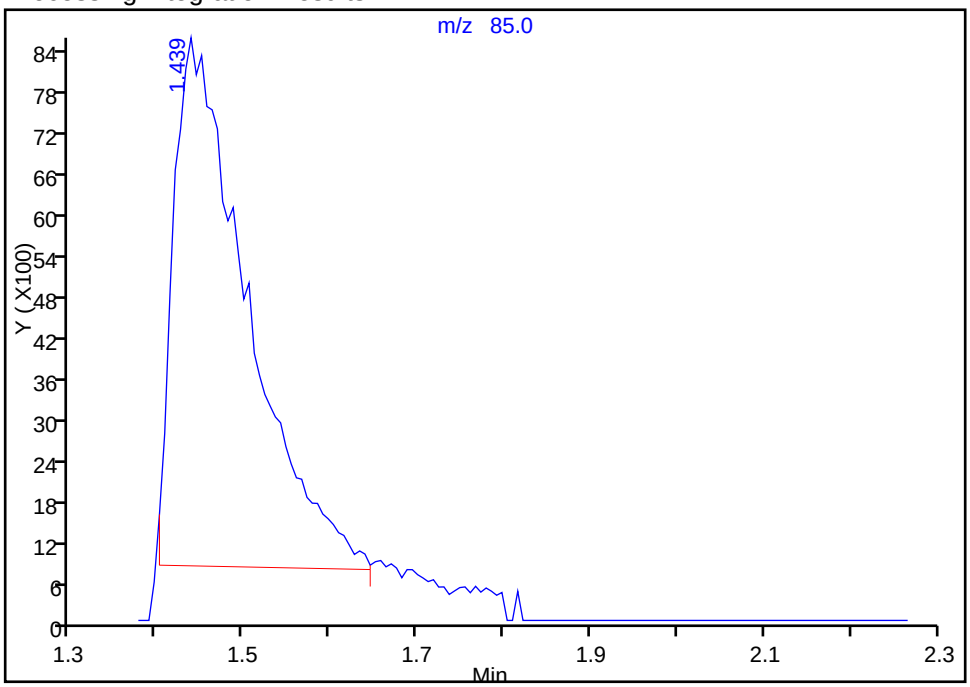
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Injection Date: 16-Dec-2015 01:33:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

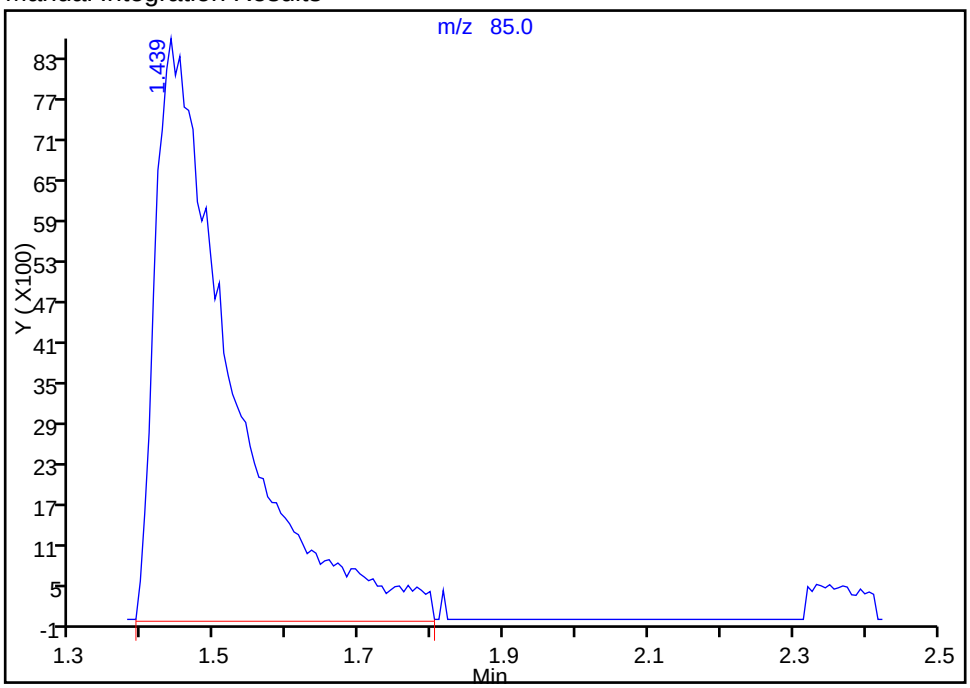
Processing Integration Results

RT: 1.44
Area: 45575
Amount: 6.872078
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 63340
Amount: 9.198781
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:55:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

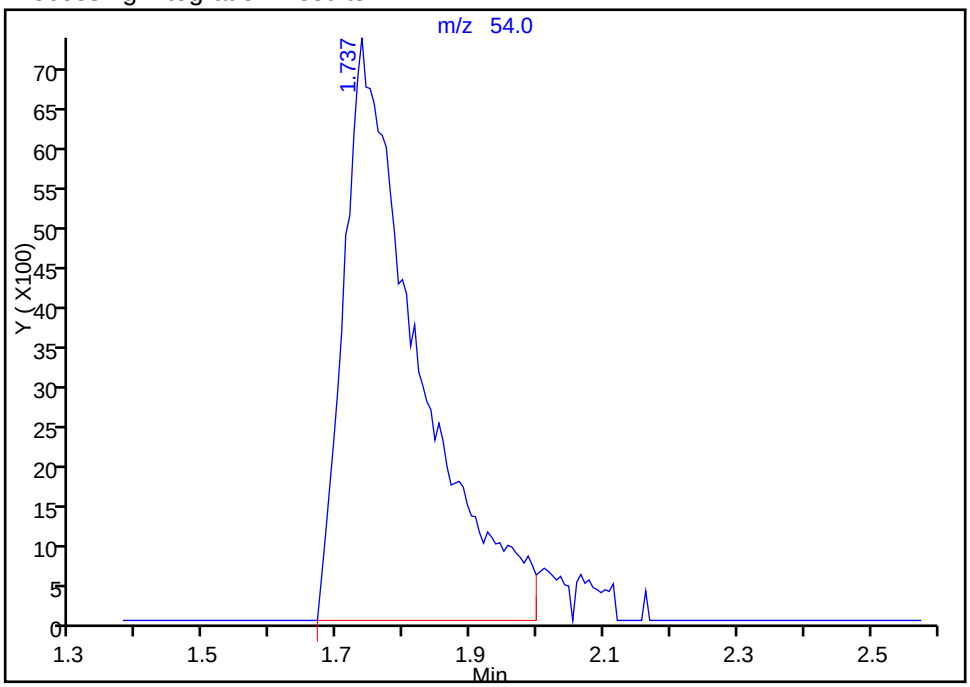
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Injection Date: 16-Dec-2015 01:33:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

144 Butadiene, CAS: 106-99-0

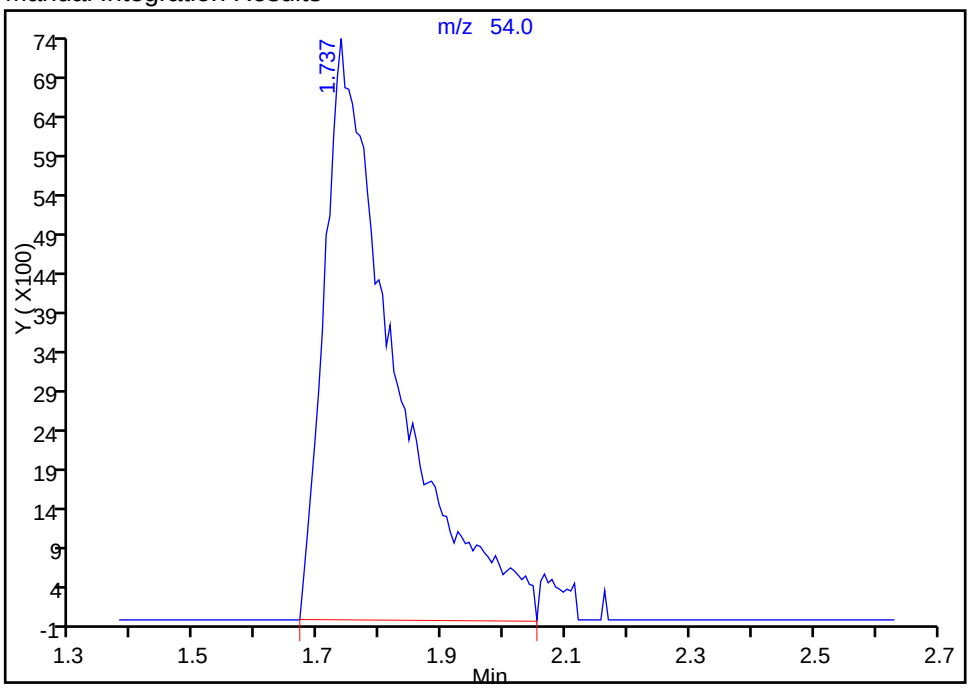
Processing Integration Results

RT: 1.74
Area: 57046
Amount: 9.041037
Amount Units: ug/L



Manual Integration Results

RT: 1.74
Area: 58803
Amount: 9.282572
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:55:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

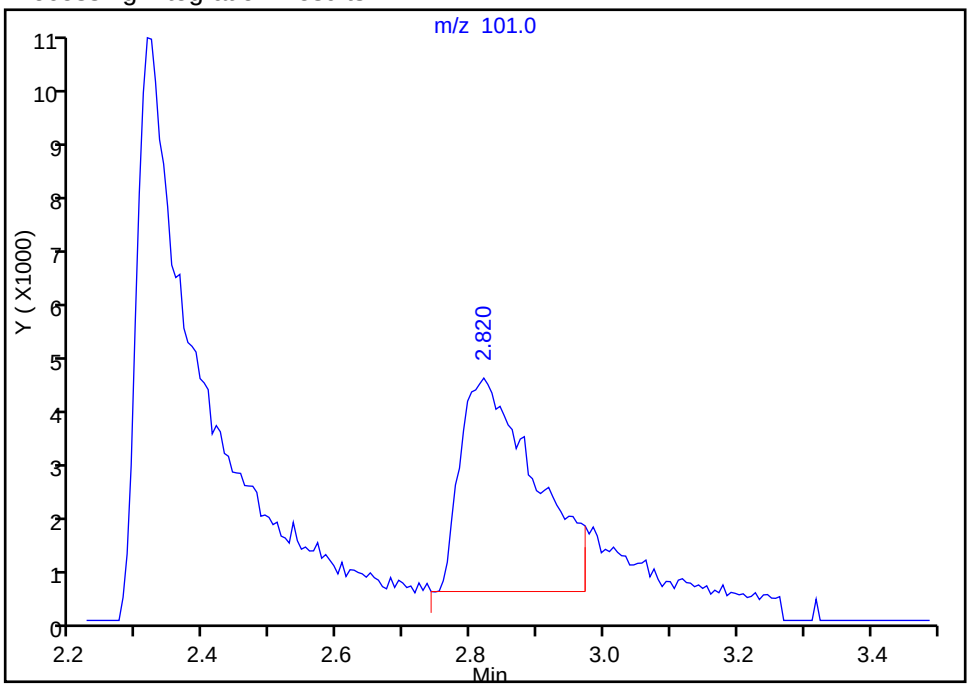
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Injection Date: 16-Dec-2015 01:33:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

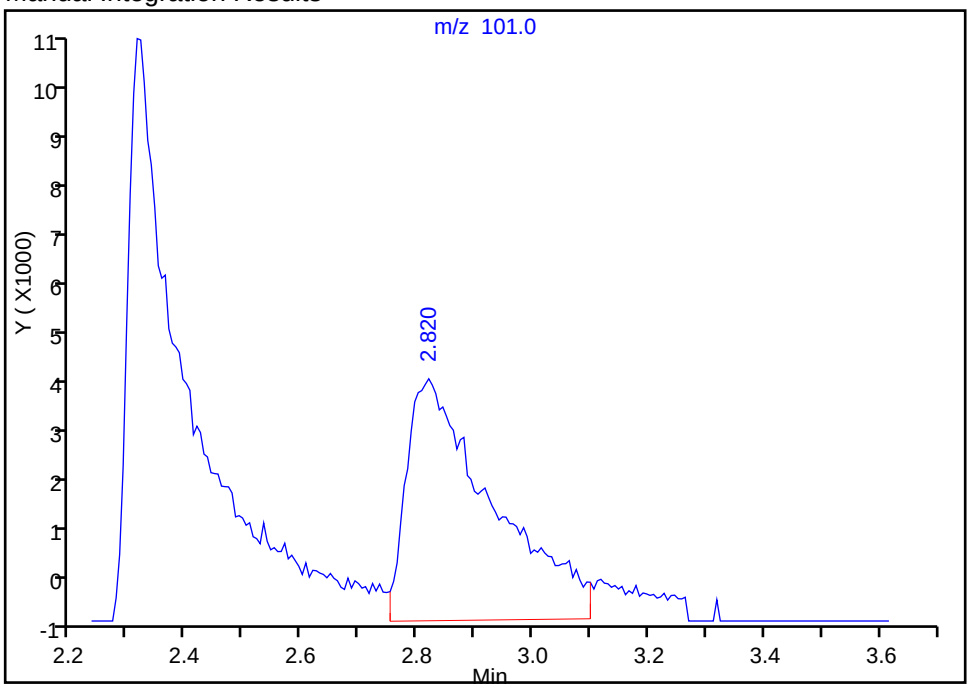
Processing Integration Results

RT: 2.82
Area: 28862
Amount: 9.234401
Amount Units: ug/L



Manual Integration Results

RT: 2.82
Area: 43333
Amount: 11.975345
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 12:59:37
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

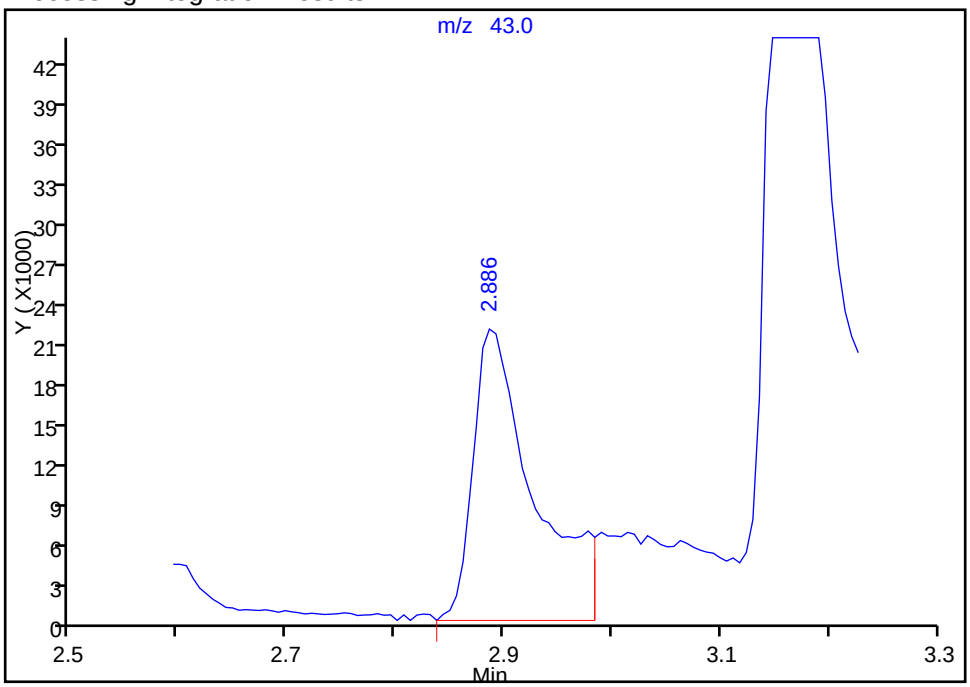
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Injection Date: 16-Dec-2015 01:33:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

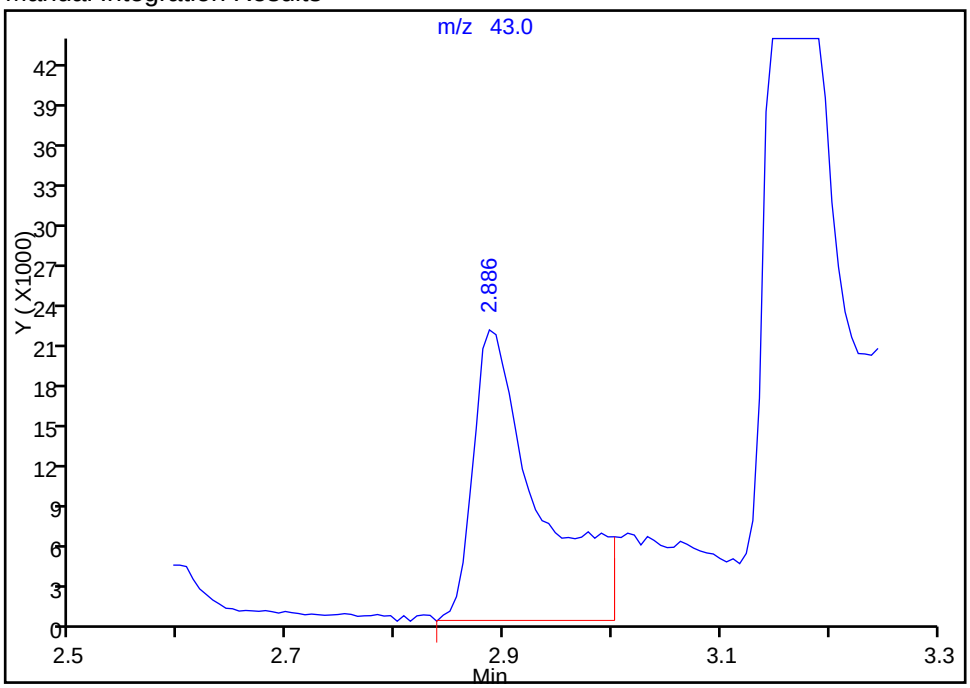
Processing Integration Results

RT: 2.89
Area: 85481
Amount: 40.820420
Amount Units: ug/L



Manual Integration Results

RT: 2.89
Area: 91867
Amount: 43.492570
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:40:33
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

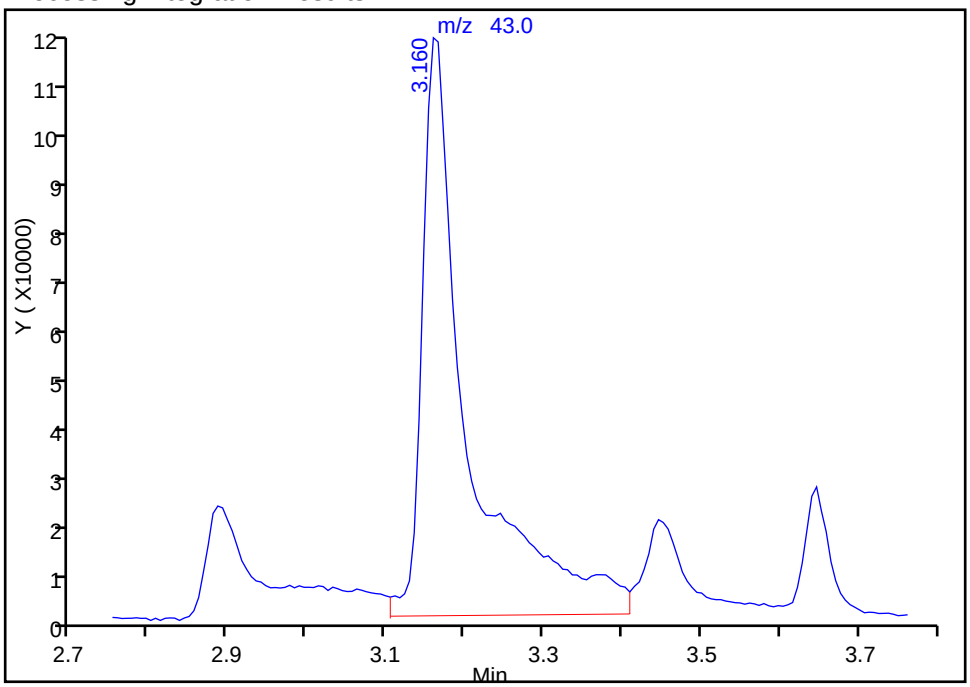
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Injection Date: 16-Dec-2015 01:33:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

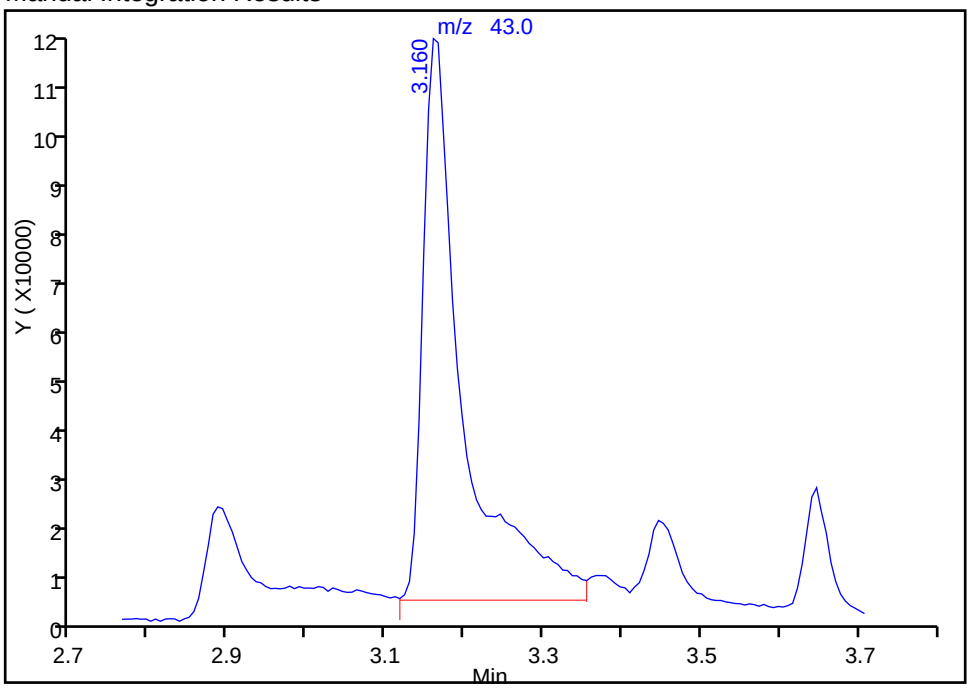
Processing Integration Results

RT: 3.16
Area: 445224
Amount: 52.535931
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 377368
Amount: 45.438558
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:03:47
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

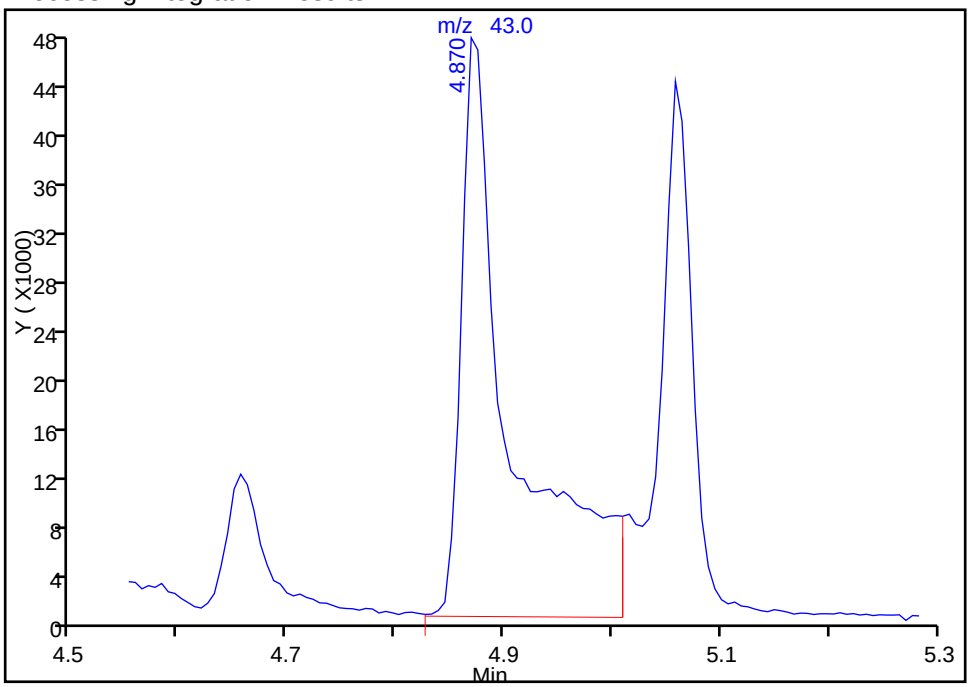
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Injection Date: 16-Dec-2015 01:33:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

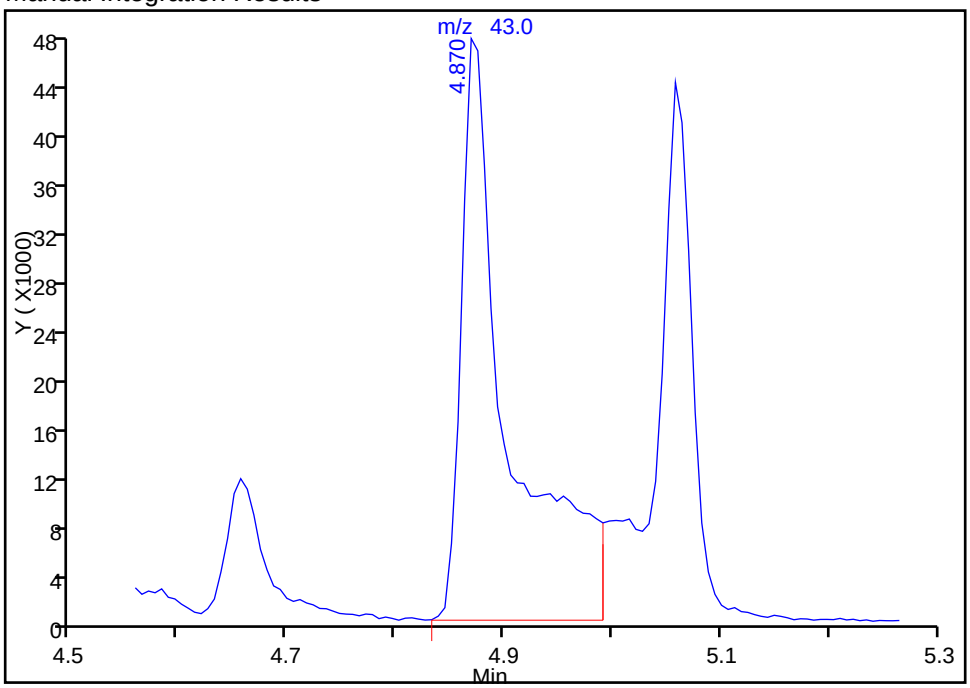
Processing Integration Results

RT: 4.87
Area: 151789
Amount: 280.2732
Amount Units: ug/L



Manual Integration Results

RT: 4.87
Area: 141022
Amount: 231.9108
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:11:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

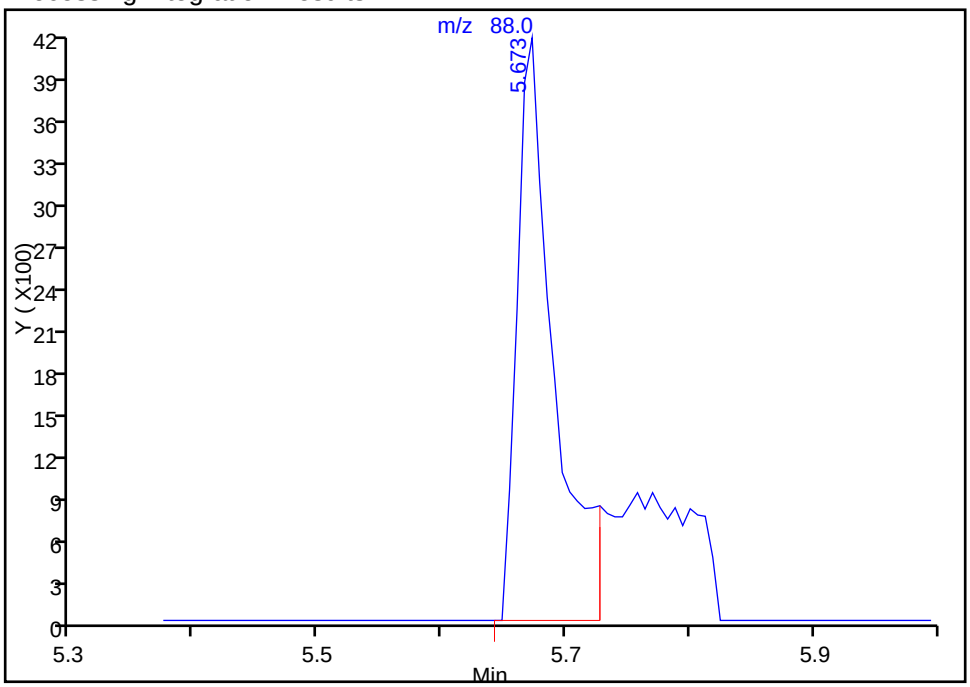
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7638.D
Injection Date: 16-Dec-2015 01:33:30 Instrument ID: HP5973Q
Lims ID: IC 5
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

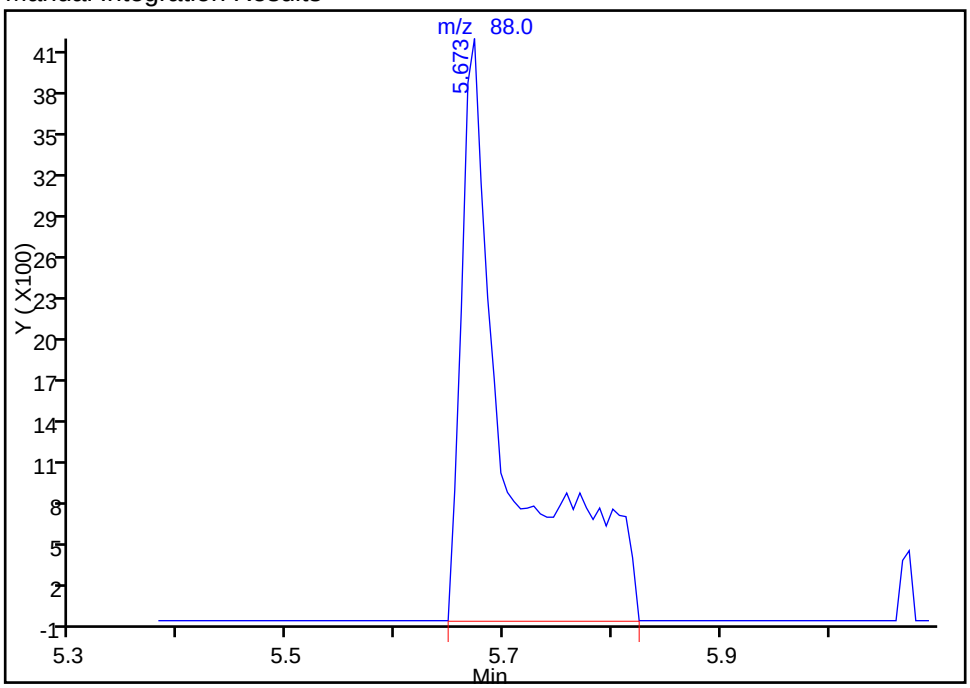
Processing Integration Results

RT: 5.67
Area: 8669
Amount: 152.6821
Amount Units: ug/L



Manual Integration Results

RT: 5.67
Area: 12919
Amount: 206.2489
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:03:47
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7639.D
Lims ID: ICIS 6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 16-Dec-2015 01:57:30 ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 6
Misc. Info.: 480-0049261-010
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:16:59 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: gentilej Date: 16-Dec-2015 15:59:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.122	5.122	0.000	99	101430	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.410	7.410	0.000	85	192150	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.277	9.277	0.000	92	229915	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.642	4.642	0.000	94	141246	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.891	4.891	0.000	0	81570	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.290	6.290	0.000	92	487660	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	8.340	8.340	0.000	97	170486	25.0	25.2	
10 Dichlorodifluoromethane	85	1.442	1.442	0.000	100	193697	25.0	26.5	M
12 Chloromethane	50	1.630	1.630	0.000	99	250942	25.0	23.7	
13 Vinyl chloride	62	1.716	1.716	0.000	96	202004	25.0	25.9	
144 Butadiene	54	1.740	1.740	0.000	85	175636	25.0	27.6	
14 Bromomethane	94	2.050	2.050	0.000	91	134142	25.0	25.4	
15 Chloroethane	64	2.135	2.135	0.000	100	113708	25.0	25.9	
17 Trichlorofluoromethane	101	2.318	2.318	0.000	100	215844	25.0	26.4	
16 Dichlorofluoromethane	67	2.342	2.342	0.000	95	274569	25.0	23.6	
18 Ethyl ether	59	2.598	2.598	0.000	91	156752	25.0	25.6	
20 Acrolein	56	2.744	2.744	0.000	100	153401	125.0	121.7	
22 1,1-Dichloroethene	96	2.798	2.798	0.000	98	146839	25.0	26.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.817	2.817	0.000	50	96486	25.0	26.2	
23 Acetone	43	2.884	2.884	0.000	100	186287	125.0	89.1	
25 Iodomethane	142	2.938	2.938	0.000	98	316829	25.0	26.2	
26 Carbon disulfide	76	2.981	2.981	0.000	99	470710	25.0	25.9	
28 3-Chloro-1-propene	41	3.127	3.127	0.000	93	261376	25.0	24.3	
27 Methyl acetate	43	3.163	3.163	0.000	98	1035503	125.0	125.9	
30 Methylene Chloride	84	3.249	3.249	0.000	95	161235	25.0	24.7	
31 2-Methyl-2-propanol	59	3.376	3.376	0.000	100	118702	250.0	201.8	
32 Methyl tert-butyl ether	73	3.449	3.449	0.000	95	544027	25.0	25.2	
34 trans-1,2-Dichloroethene	96	3.462	3.462	0.000	98	169049	25.0	26.2	
33 Acrylonitrile	53	3.480	3.480	0.000	98	1033500	250.0	231.7	
35 Hexane	57	3.644	3.644	0.000	92	236035	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.814	3.814	0.000	96	294916	25.0	25.3	
37 Vinyl acetate	43	3.851	3.851	0.000	97	905103	50.0	52.3	
44 2,2-Dichloropropane	77	4.252	4.252	0.000	88	181626	25.0	26.4	
45 cis-1,2-Dichloroethene	96	4.271	4.271	0.000	83	182933	25.0	25.8	
43 2-Butanone (MEK)	43	4.283	4.283	0.000	100	674356	125.0	121.3	
48 Chlorobromomethane	128	4.459	4.459	0.000	93	103045	25.0	26.1	
49 Tetrahydrofuran	42	4.484	4.484	0.000	90	189680	50.0	49.8	
50 Chloroform	83	4.520	4.520	0.000	95	271755	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.630	4.630	0.000	99	220000	25.0	26.2	
52 Cyclohexane	56	4.654	4.654	0.000	93	263265	25.0	27.4	
55 Carbon tetrachloride	117	4.751	4.751	0.000	92	211716	25.0	26.6	
54 1,1-Dichloropropene	75	4.751	4.751	0.000	94	220424	25.0	26.1	
53 Isobutyl alcohol	43	4.873	4.873	0.000	94	342108	625.0	564.0	M
57 Benzene	78	4.915	4.915	0.000	98	617499	25.0	25.3	
58 1,2-Dichloroethane	62	4.952	4.952	0.000	97	228126	25.0	25.2	
59 n-Heptane	43	5.061	5.061	0.000	94	257950	25.0	26.9	
62 Trichloroethene	95	5.390	5.390	0.000	94	163200	25.0	25.3	
64 Methylcyclohexane	83	5.506	5.506	0.000	90	262442	25.0	26.7	
65 1,2-Dichloropropane	63	5.572	5.572	0.000	96	159076	25.0	26.0	
66 1,4-Dioxane	88	5.670	5.670	0.000	96	34450	500.0	497.3	
67 Dibromomethane	93	5.676	5.676	0.000	91	110138	25.0	25.7	
68 Dichlorobromomethane	83	5.785	5.785	0.000	99	203829	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	5.986	5.986	0.000	93	120595	25.0	25.6	
77 trans-1,3-Dichloropropene	75	6.108	6.108	0.000	94	256178	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK	43	6.205	6.205	0.000	96	1367581	125.0	127.4	
74 Toluene	92	6.339	6.339	0.000	99	384584	25.0	25.4	
72 cis-1,3-Dichloropropene	75	6.528	6.528	0.000	97	229523	25.0	26.4	
75 Ethyl methacrylate	69	6.552	6.552	0.000	90	238349	25.0	25.3	
79 1,1,2-Trichloroethane	83	6.674	6.674	0.000	91	117476	25.0	25.2	
81 Tetrachloroethene	166	6.753	6.753	0.000	98	175917	25.0	25.7	
82 1,3-Dichloropropane	76	6.801	6.801	0.000	88	245494	25.0	25.5	
80 2-Hexanone	43	6.832	6.832	0.000	96	990582	125.0	120.5	
83 Chlorodibromomethane	129	6.984	6.984	0.000	90	179224	25.0	26.5	
84 Ethylene Dibromide	107	7.069	7.069	0.000	99	162733	25.0	25.7	
87 Chlorobenzene	112	7.434	7.434	0.000	97	439289	25.0	25.4	
88 Ethylbenzene	91	7.495	7.495	0.000	98	693113	25.0	25.5	
89 1,1,1,2-Tetrachloroethane	131	7.495	7.495	0.000	75	174570	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.586	7.586	0.000	0	288084	25.0	25.3	
91 o-Xylene	106	7.902	7.902	0.000	96	293149	25.0	25.7	
92 Styrene	104	7.921	7.921	0.000	95	473962	25.0	25.6	
95 Bromoform	173	8.109	8.109	0.000	99	125520	25.0	26.2	
94 Isopropylbenzene	105	8.188	8.188	0.000	95	719664	25.0	25.6	
101 Bromobenzene	156	8.468	8.468	0.000	92	203424	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.468	8.468	0.000	95	237178	25.0	24.9	
100 1,2,3-Trichloropropane	110	8.505	8.505	0.000	86	80501	25.0	25.1	
98 trans-1,4-Dichloro-2-buten	53	8.505	8.505	0.000	75	68463	25.0	25.9	
99 N-Propylbenzene	91	8.517	8.517	0.000	98	818387	25.0	25.5	
103 2-Chlorotoluene	126	8.608	8.608	0.000	98	187967	25.0	25.3	
102 1,3,5-Trimethylbenzene	105	8.657	8.657	0.000	96	614248	25.0	25.7	
105 4-Chlorotoluene	126	8.699	8.699	0.000	96	192587	25.0	24.9	
106 tert-Butylbenzene	134	8.924	8.924	0.000	91	152715	25.0	26.2	
107 1,2,4-Trimethylbenzene	105	8.967	8.967	0.000	96	633728	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.101	9.101	0.000	93	744885	25.0	26.3	
110 4-Isopropyltoluene	119	9.216	9.216	0.000	97	700403	25.0	26.4	
111 1,3-Dichlorobenzene	146	9.223	9.223	0.000	99	388889	25.0	25.2	
113 1,4-Dichlorobenzene	146	9.296	9.296	0.000	96	399649	25.0	25.0	
115 n-Butylbenzene	91	9.557	9.557	0.000	97	550356	25.0	26.0	
116 1,2-Dichlorobenzene	146	9.612	9.612	0.000	99	384694	25.0	25.2	
117 1,2-Dibromo-3-Chloropropan	75	10.269	10.269	0.000	92	59668	25.0	25.9	
119 1,2,4-Trichlorobenzene	180	10.932	10.932	0.000	94	274470	25.0	25.1	
120 Hexachlorobutadiene	225	11.042	11.042	0.000	97	100948	25.0	26.4	
121 Naphthalene	128	11.133	11.133	0.000	97	900900	25.0	25.3	
122 1,2,3-Trichlorobenzene	180	11.327	11.327	0.000	96	261405	25.0	25.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	12.50	Units: uL	
GAS CORP mix_00126	Amount Added:	12.50	Units: uL	
Q_8260_IS_00103	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00096	Amount Added:	1.25	Units: uL	Run Reagent

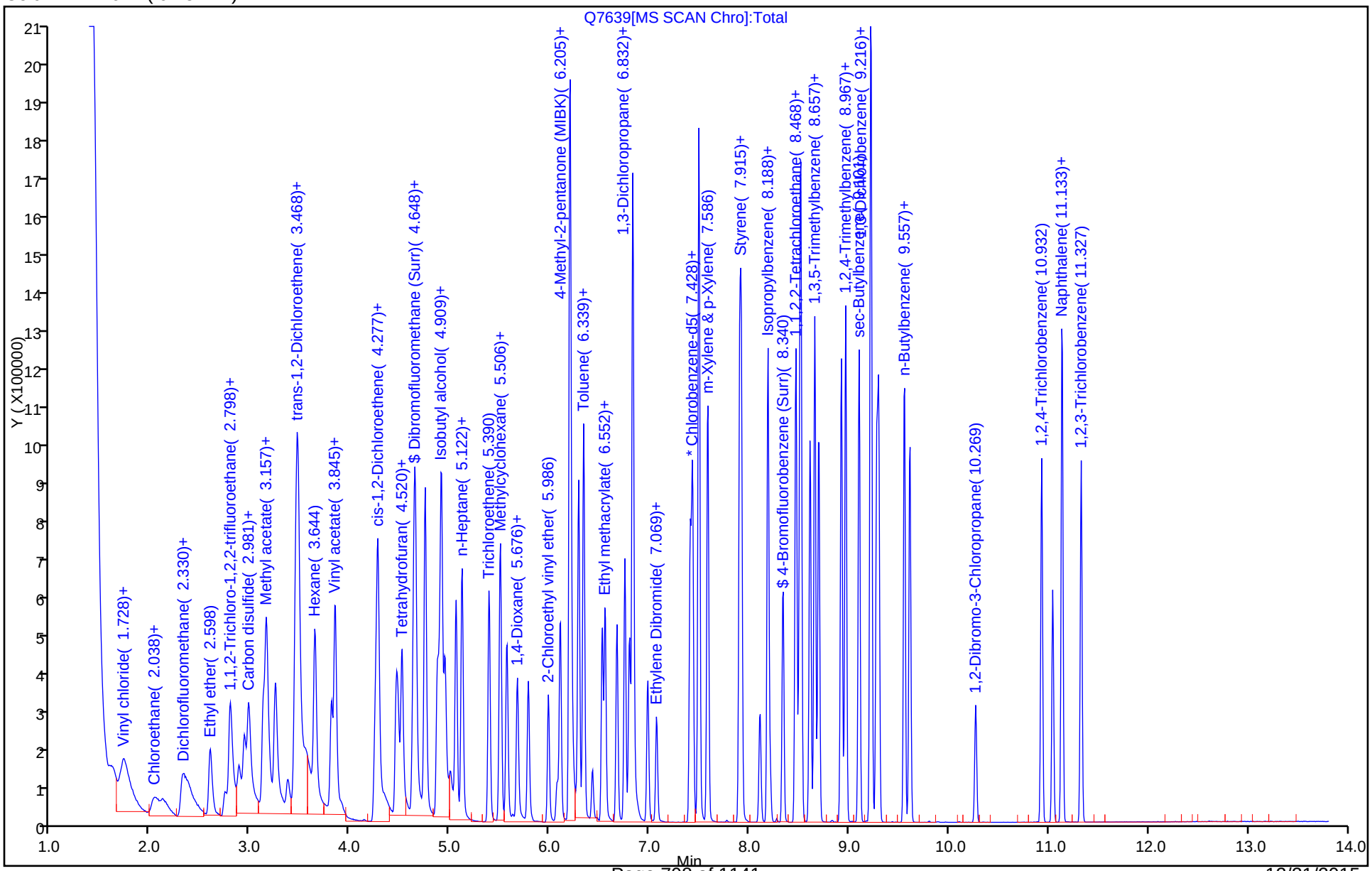
Report Date: 17-Dec-2015 13:16:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7639.D

Injection Date:	16-Dec-2015 01:57:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	ICIS 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

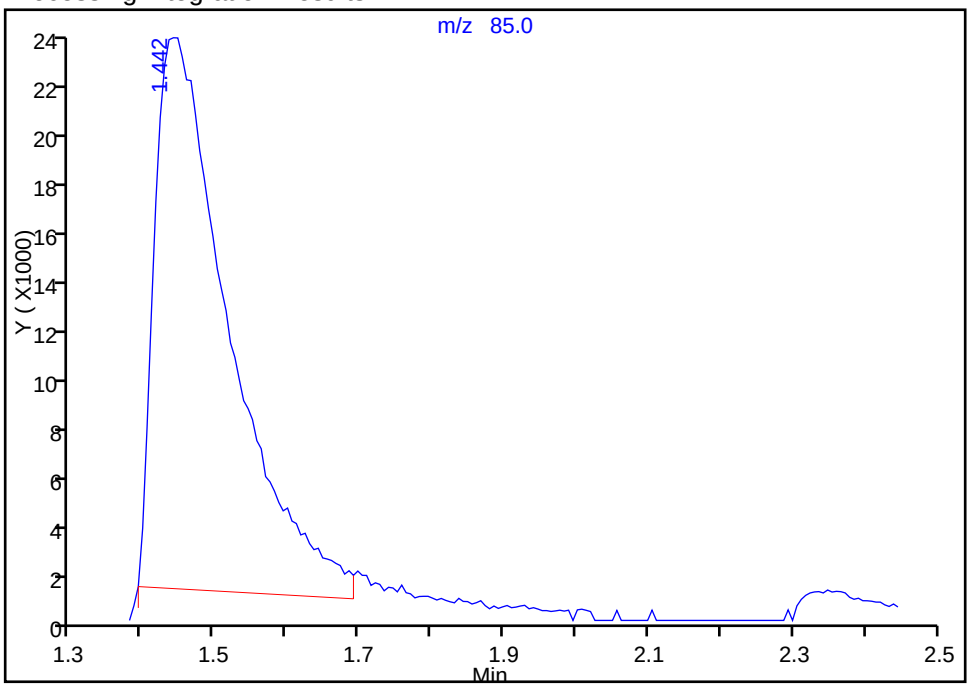
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7639.D
Injection Date: 16-Dec-2015 01:57:30 Instrument ID: HP5973Q
Lims ID: ICIS 6
Client ID:
Operator ID: NMD ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

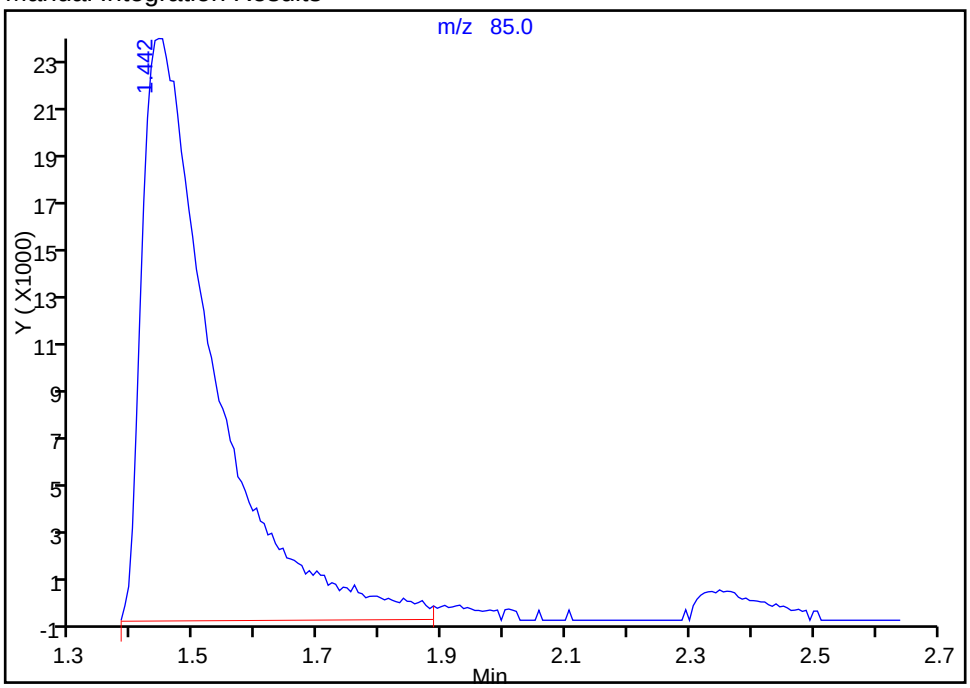
Processing Integration Results

RT: 1.44
Area: 160567
Amount: 23.211759
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 193697
Amount: 26.530031
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:07:45
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

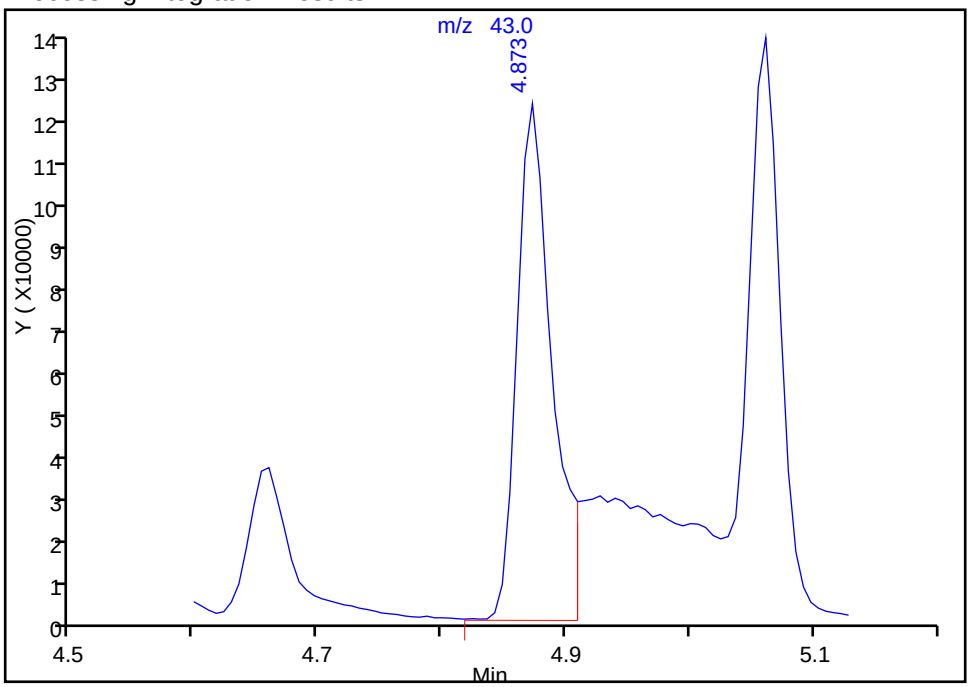
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7639.D
Injection Date: 16-Dec-2015 01:57:30 Instrument ID: HP5973Q
Lims ID: ICIS 6
Client ID:
Operator ID: NMD ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

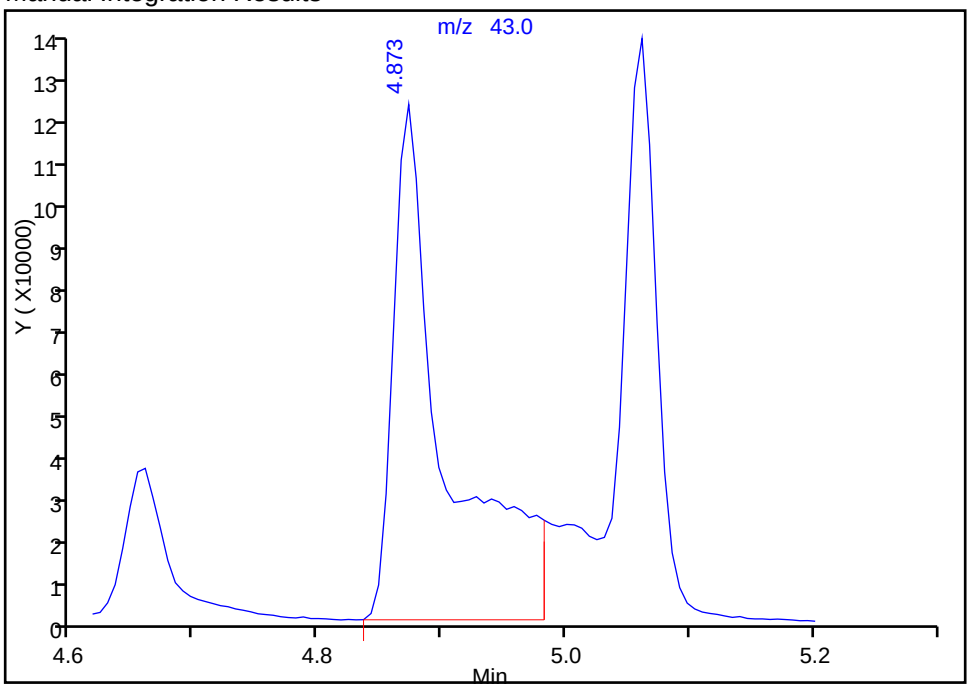
Processing Integration Results

RT: 4.87
Area: 232070
Amount: 399.1683
Amount Units: ug/L



Manual Integration Results

RT: 4.87
Area: 342108
Amount: 564.0363
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:10:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7640.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-Dec-2015 02:20:30 ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0049261-011
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:11:34 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: gentilej Date: 16-Dec-2015 15:59:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.119	5.122	-0.003	99	106829	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.407	7.410	-0.003	83	199228	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.280	9.277	0.003	92	236252	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.645	4.642	0.003	94	144555	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.894	4.891	0.003	0	83052	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	6.287	6.290	-0.003	92	501155	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.337	8.340	-0.003	96	174056	25.0	24.9	
10 Dichlorodifluoromethane	85	1.439	1.442	-0.003	86	379494	50.0	49.9	M
12 Chloromethane	50	1.633	1.630	0.003	99	527893	50.0	47.2	
13 Vinyl chloride	62	1.713	1.716	-0.003	99	405416	50.0	49.4	
144 Butadiene	54	1.731	1.740	-0.009	86	352069	50.0	52.6	
14 Bromomethane	94	2.041	2.050	-0.009	89	262358	50.0	47.2	
15 Chloroethane	64	2.132	2.135	-0.003	100	217492	50.0	47.0	
17 Trichlorofluoromethane	101	2.315	2.318	-0.003	99	445984	50.0	51.8	
16 Dichlorofluoromethane	67	2.339	2.342	-0.003	96	555013	50.0	45.3	
18 Ethyl ether	59	2.595	2.598	-0.003	91	308135	50.0	47.8	
20 Acrolein	56	2.747	2.744	0.003	100	367970	250.0	277.2	
22 1,1-Dichloroethene	96	2.795	2.798	-0.003	99	309262	50.0	52.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.820	2.817	0.003	89	190588	50.0	49.8	M
23 Acetone	43	2.887	2.884	0.003	100	462145	250.0	209.8	M
25 Iodomethane	142	2.935	2.938	-0.003	98	642373	50.0	50.5	
26 Carbon disulfide	76	2.984	2.981	0.003	99	938461	50.0	49.0	
28 3-Chloro-1-propene	41	3.130	3.127	0.003	93	516880	50.0	45.7	
27 Methyl acetate	43	3.160	3.163	-0.003	98	1945240	250.0	224.6	
30 Methylene Chloride	84	3.246	3.249	-0.003	95	334721	50.0	48.6	
31 2-Methyl-2-propanol	59	3.373	3.376	-0.003	99	257093	500.0	414.9	
32 Methyl tert-butyl ether	73	3.446	3.449	-0.003	95	1097247	50.0	48.3	
34 trans-1,2-Dichloroethene	96	3.458	3.462	-0.004	99	340837	50.0	50.2	
33 Acrylonitrile	53	3.477	3.480	-0.003	99	2177832	500.0	463.5	M
35 Hexane	57	3.647	3.644	0.003	92	485677	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.811	3.814	-0.003	96	599676	50.0	48.8	
37 Vinyl acetate	43	3.848	3.851	-0.003	97	1784870	100.0	97.9	
44 2,2-Dichloropropane	77	4.249	4.252	-0.003	87	356652	50.0	49.2	
45 cis-1,2-Dichloroethene	96	4.268	4.271	-0.003	83	368245	50.0	49.3	
43 2-Butanone (MEK)	43	4.280	4.283	-0.003	100	1338025	250.0	228.4	
48 Chlorobromomethane	128	4.462	4.459	0.003	93	209478	50.0	50.3	
49 Tetrahydrofuran	42	4.481	4.484	-0.004	90	381741	100.0	95.2	
50 Chloroform	83	4.517	4.520	-0.003	95	541534	50.0	47.6	
51 1,1,1-Trichloroethane	97	4.633	4.630	0.003	99	443559	50.0	50.1	
52 Cyclohexane	56	4.651	4.654	-0.003	92	534197	50.0	52.7	
55 Carbon tetrachloride	117	4.748	4.751	-0.003	99	447127	50.0	53.4	
54 1,1-Dichloropropene	75	4.754	4.751	0.003	98	454536	50.0	51.1	
53 Isobutyl alcohol	43	4.870	4.873	-0.003	95	727719	1250.0	1139.2	M
57 Benzene	78	4.912	4.915	-0.003	96	1251911	50.0	48.8	
58 1,2-Dichloroethane	62	4.949	4.952	-0.003	97	459537	50.0	48.1	
59 n-Heptane	43	5.058	5.061	-0.003	94	508828	50.0	50.3	
62 Trichloroethene	95	5.393	5.390	0.003	94	337027	50.0	49.6	
64 Methylcyclohexane	83	5.503	5.506	-0.003	90	546496	50.0	52.8	
65 1,2-Dichloropropane	63	5.569	5.572	-0.003	96	314960	50.0	48.9	
66 1,4-Dioxane	88	5.667	5.670	-0.003	94	73896	1000.0	1005.4	
67 Dibromomethane	93	5.673	5.676	-0.003	91	223239	50.0	49.4	
68 Dichlorobromomethane	83	5.782	5.785	-0.003	99	418152	50.0	50.4	
69 2-Chloroethyl vinyl ether	63	5.989	5.986	0.003	93	248660	50.0	50.1	
77 trans-1,3-Dichloropropene	75	6.105	6.108	-0.003	94	526304	50.0	52.3	
73 4-Methyl-2-pentanone (MIBK	43	6.202	6.205	-0.003	95	2576299	250.0	231.5	
74 Toluene	92	6.342	6.339	0.003	99	786172	50.0	50.1	
72 cis-1,3-Dichloropropene	75	6.525	6.528	-0.003	97	478669	50.0	52.3	
75 Ethyl methacrylate	69	6.555	6.552	0.003	89	481910	50.0	49.3	
79 1,1,2-Trichloroethane	83	6.671	6.674	-0.003	92	240303	50.0	49.8	
81 Tetrachloroethene	166	6.756	6.753	0.003	97	369050	50.0	52.1	
82 1,3-Dichloropropane	76	6.798	6.801	-0.003	88	505031	50.0	50.7	
80 2-Hexanone	43	6.835	6.832	0.003	95	1854060	250.0	217.5	
83 Chlorodibromomethane	129	6.981	6.984	-0.003	90	380630	50.0	54.3	
84 Ethylene Dibromide	107	7.072	7.069	0.003	98	338587	50.0	51.5	
87 Chlorobenzene	112	7.431	7.434	-0.003	97	896953	50.0	50.0	
88 Ethylbenzene	91	7.498	7.495	0.003	98	1389246	50.0	49.3	
89 1,1,1,2-Tetrachloroethane	131	7.498	7.495	0.003	47	362287	50.0	52.4	
90 m-Xylene & p-Xylene	106	7.583	7.586	-0.003	0	592592	50.0	50.1	
91 o-Xylene	106	7.905	7.902	0.003	95	596404	50.0	50.4	
92 Styrene	104	7.924	7.921	0.003	95	958458	50.0	49.9	
95 Bromoform	173	8.106	8.109	-0.003	99	270602	50.0	54.4	
94 Isopropylbenzene	105	8.185	8.188	-0.003	95	1453545	50.0	50.4	
101 Bromobenzene	156	8.465	8.468	-0.003	91	418471	50.0	50.0	
97 1,1,2,2-Tetrachloroethane	83	8.471	8.468	0.003	96	477122	50.0	48.7	
100 1,2,3-Trichloropropane	110	8.508	8.505	0.003	85	163574	50.0	49.6	
98 trans-1,4-Dichloro-2-buten	53	8.508	8.505	0.003	75	141178	50.0	51.9	
99 N-Propylbenzene	91	8.520	8.517	0.003	98	1616646	50.0	49.1	
103 2-Chlorotoluene	126	8.611	8.608	0.003	98	387907	50.0	50.9	
102 1,3,5-Trimethylbenzene	105	8.660	8.657	0.003	96	1244899	50.0	50.6	
105 4-Chlorotoluene	126	8.696	8.699	-0.003	95	395388	50.0	49.8	
106 tert-Butylbenzene	134	8.928	8.924	0.004	94	317221	50.0	52.9	
107 1,2,4-Trimethylbenzene	105	8.970	8.967	0.003	96	1272200	50.0	49.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.104	9.101	0.003	93	1503160	50.0	51.6	
110 4-Isopropyltoluene	119	9.213	9.216	-0.003	97	1400672	50.0	51.3	
111 1,3-Dichlorobenzene	146	9.226	9.223	0.003	98	785133	50.0	49.6	
113 1,4-Dichlorobenzene	146	9.299	9.296	0.003	96	810679	50.0	49.3	
115 n-Butylbenzene	91	9.554	9.557	-0.003	96	1106998	50.0	50.9	
116 1,2-Dichlorobenzene	146	9.609	9.612	-0.003	99	776438	50.0	49.6	
117 1,2-Dibromo-3-Chloropropan	75	10.272	10.269	0.003	92	122533	50.0	51.8	
119 1,2,4-Trichlorobenzene	180	10.935	10.932	0.003	94	559589	50.0	49.7	
120 Hexachlorobutadiene	225	11.045	11.042	0.003	97	206531	50.0	52.5	
121 Naphthalene	128	11.136	11.133	0.003	97	1794386	50.0	49.0	
122 1,2,3-Trichlorobenzene	180	11.324	11.327	-0.003	96	533429	50.0	49.8	
S 125 1,2-Dichloroethene, Total	1				0			99.6	
S 126 1,3-Dichloropropene, Total	1				0			104.6	
S 123 Total BTEX	1				0			248.7	
S 124 Xylenes, Total	1				0			100.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL		
GAS CORP mix_00126	Amount Added: 25.00	Units: uL		
Q_8260_IS_00103	Amount Added: 1.25	Units: uL	Run Reagent	
Q_8260_SURR_00096	Amount Added: 1.25	Units: uL	Run Reagent	

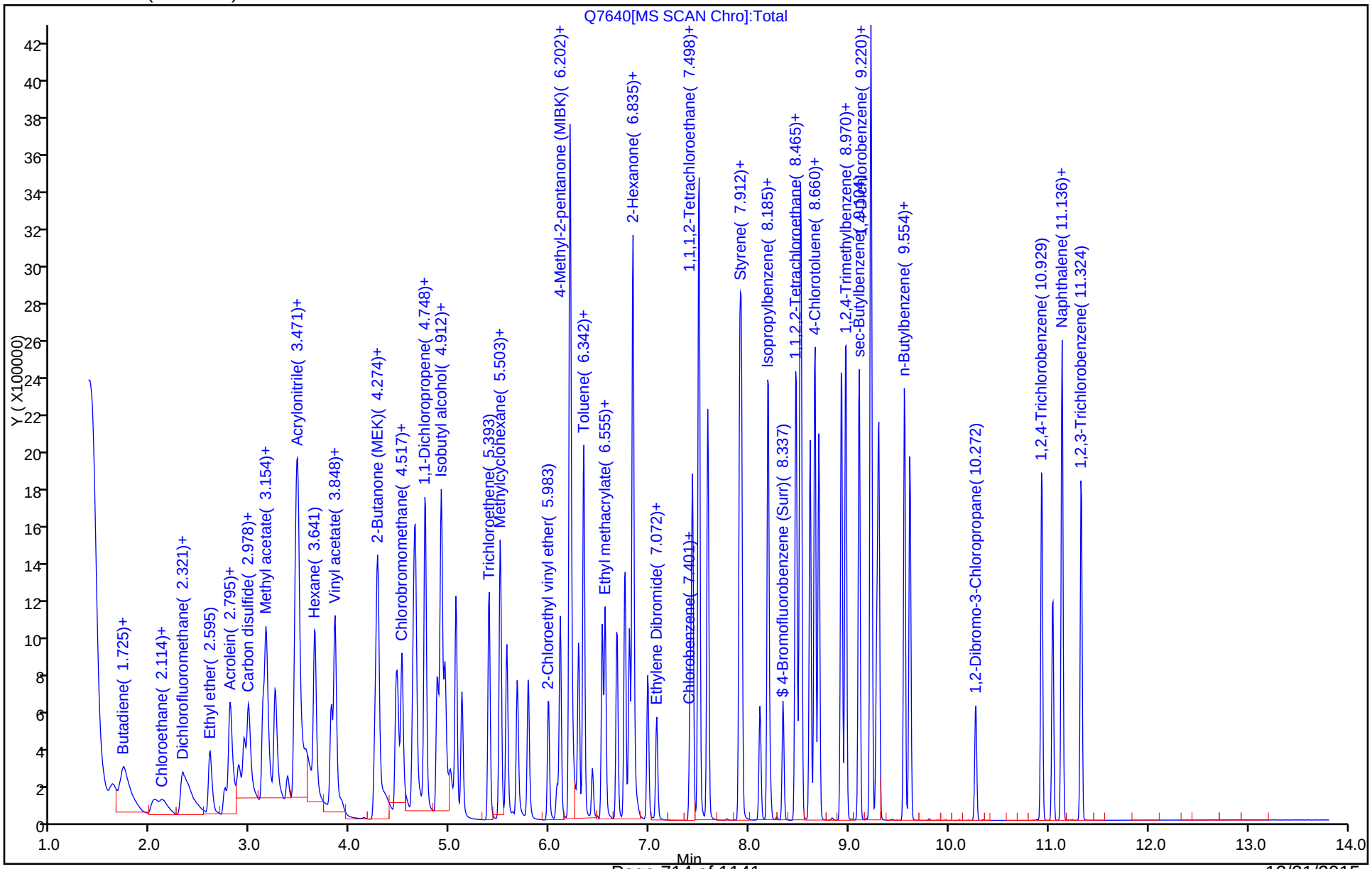
Report Date: 17-Dec-2015 13:11:35 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7640.D

Injection Date:	16-Dec-2015 02:20:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

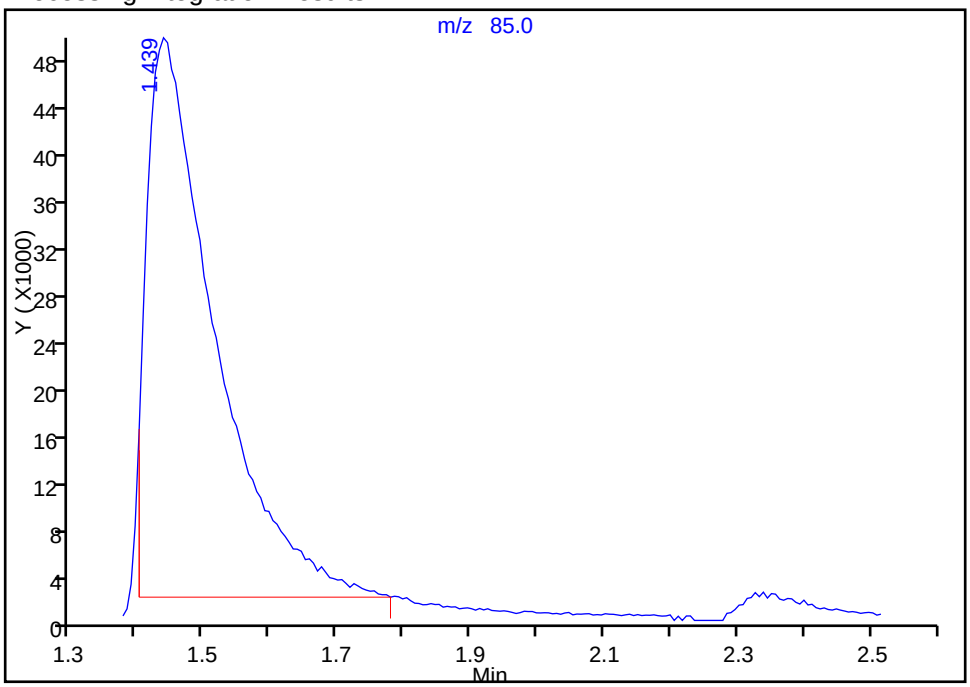
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7640.D
Injection Date: 16-Dec-2015 02:20:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: NMD ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

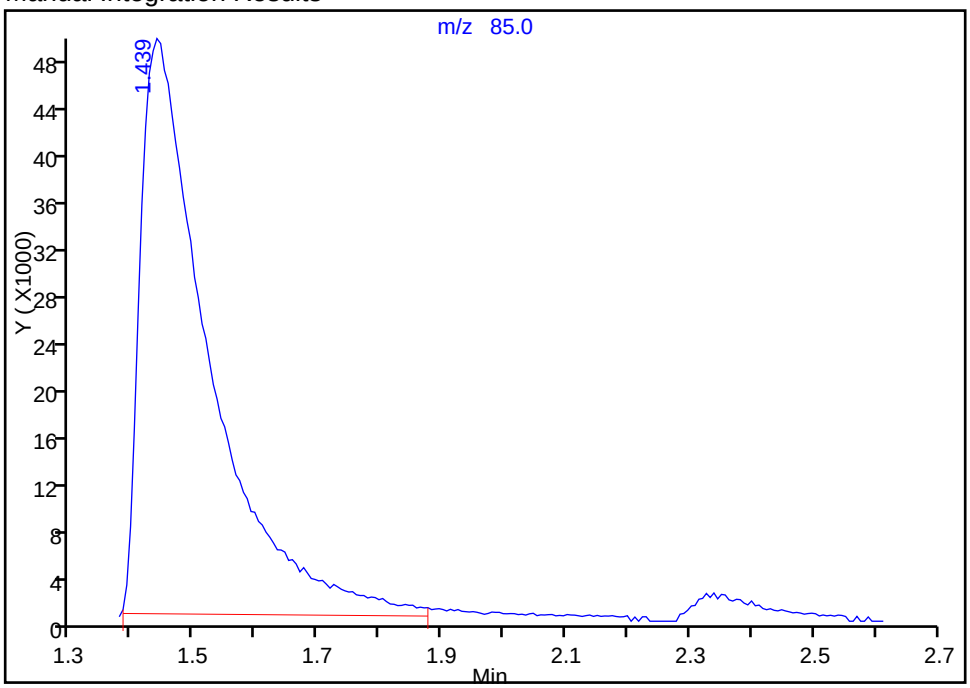
Processing Integration Results

RT: 1.44
Area: 337561
Amount: 45.097811
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 379494
Amount: 49.901282
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:09:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

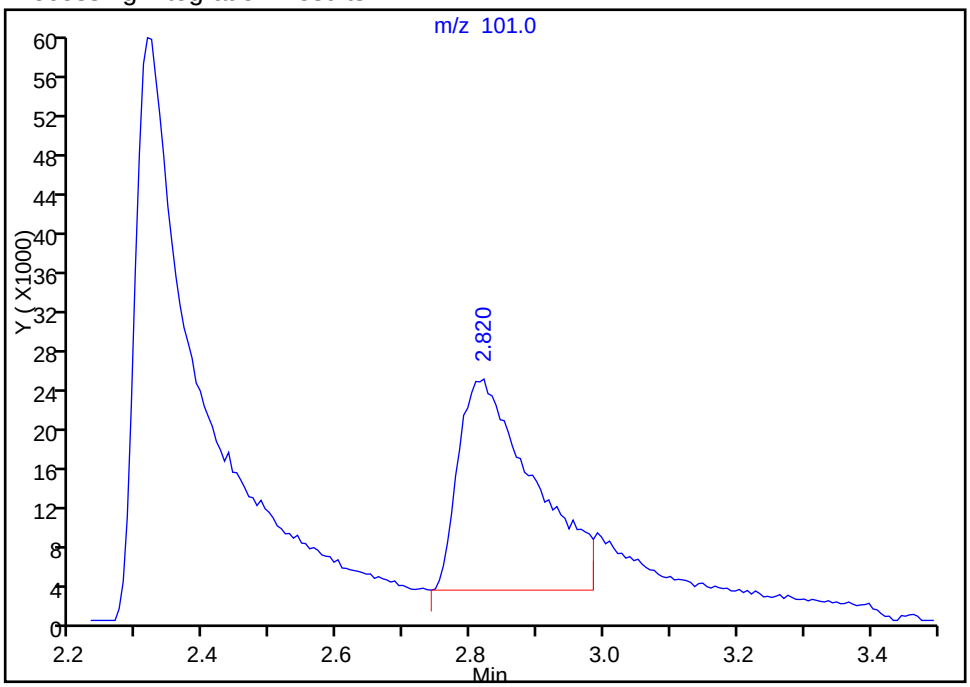
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7640.D
Injection Date: 16-Dec-2015 02:20:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: NMD ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

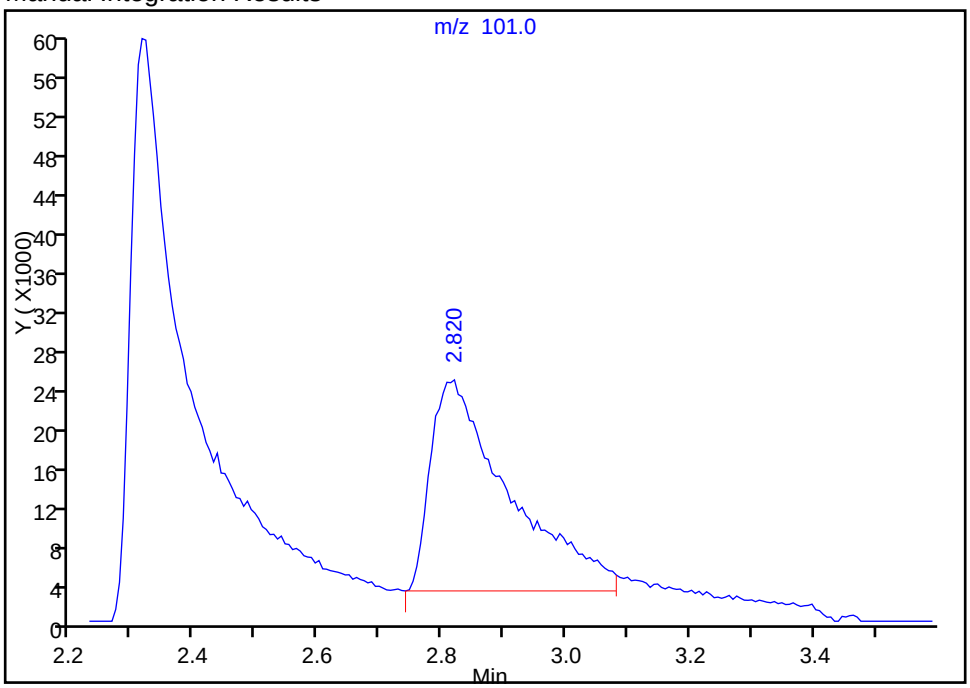
Processing Integration Results

RT: 2.82
Area: 169987
Amount: 46.686625
Amount Units: ug/L



Manual Integration Results

RT: 2.82
Area: 190588
Amount: 49.834260
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:32:40
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

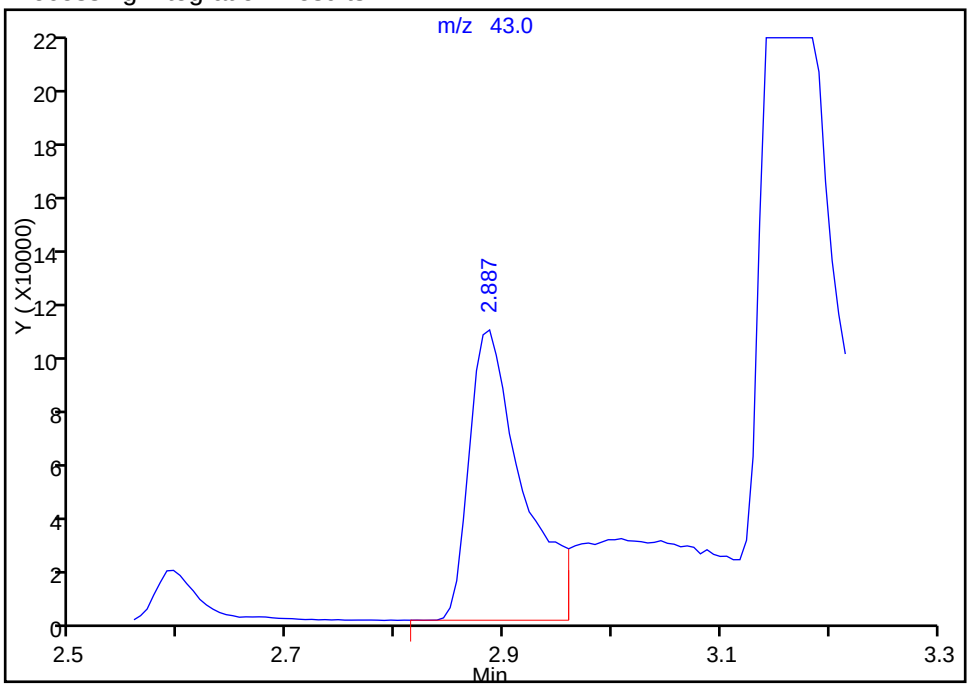
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7640.D
Injection Date: 16-Dec-2015 02:20:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: NMD ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

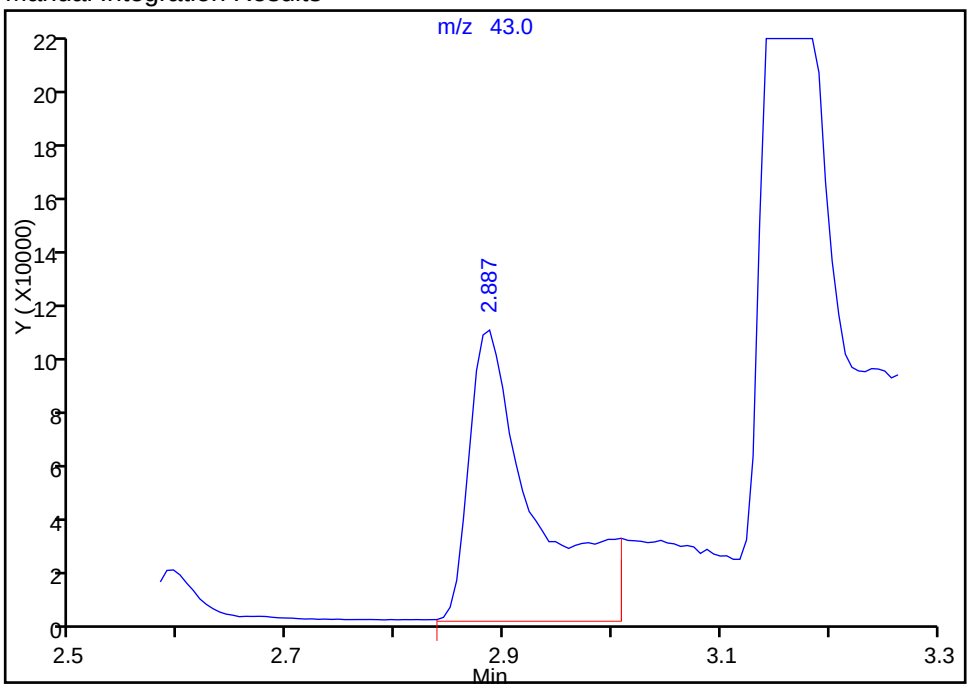
Processing Integration Results

RT: 2.89
Area: 370855
Amount: 164.1134
Amount Units: ug/L



Manual Integration Results

RT: 2.89
Area: 462145
Amount: 209.7975
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:41:36
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

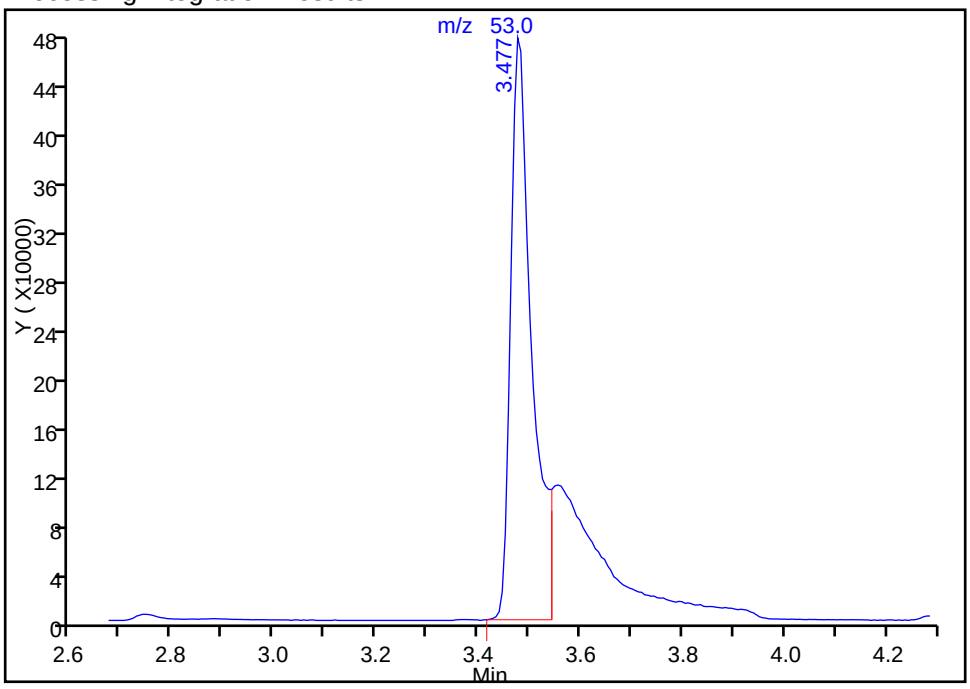
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7640.D
Injection Date: 16-Dec-2015 02:20:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: NMD ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

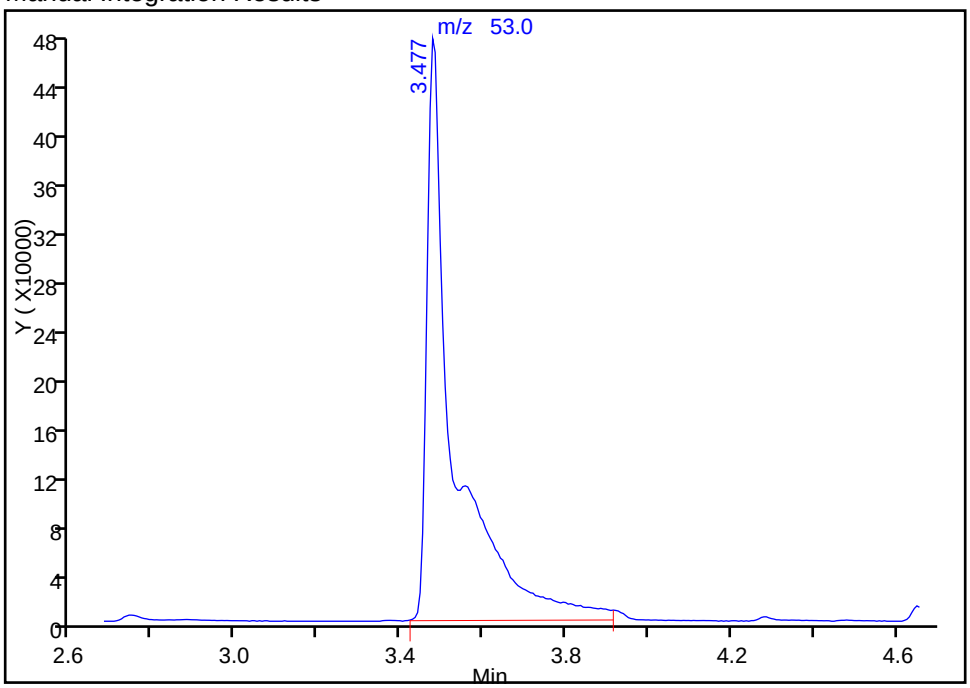
Processing Integration Results

RT: 3.48
Area: 1389936
Amount: 308.7564
Amount Units: ug/L



Manual Integration Results

RT: 3.48
Area: 2177832
Amount: 463.4969
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:09:16
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

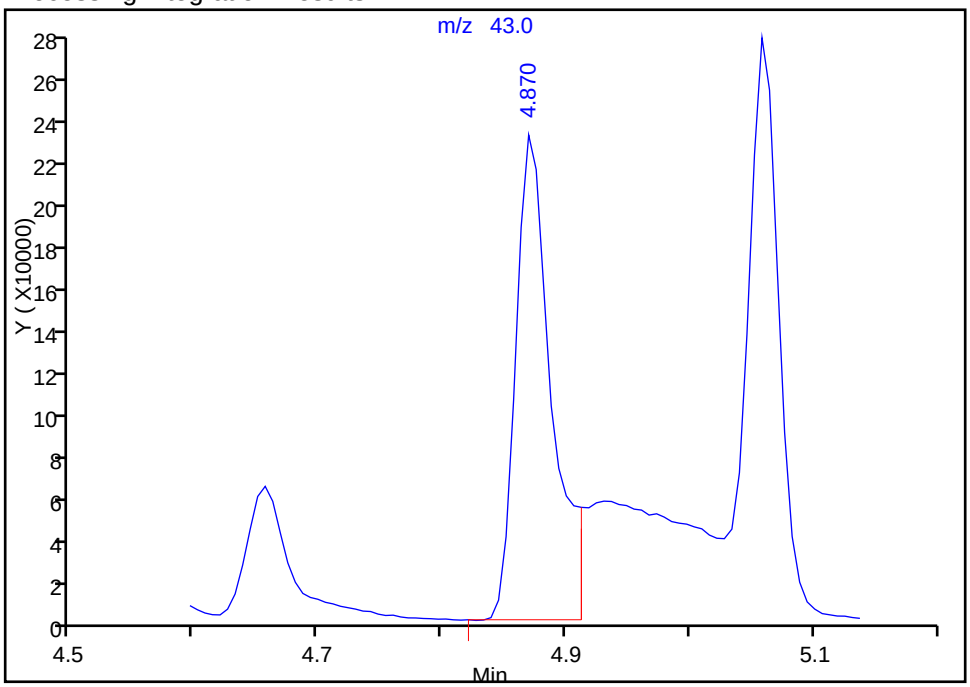
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7640.D
Injection Date: 16-Dec-2015 02:20:30 Instrument ID: HP5973Q
Lims ID: IC 7
Client ID:
Operator ID: NMD ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

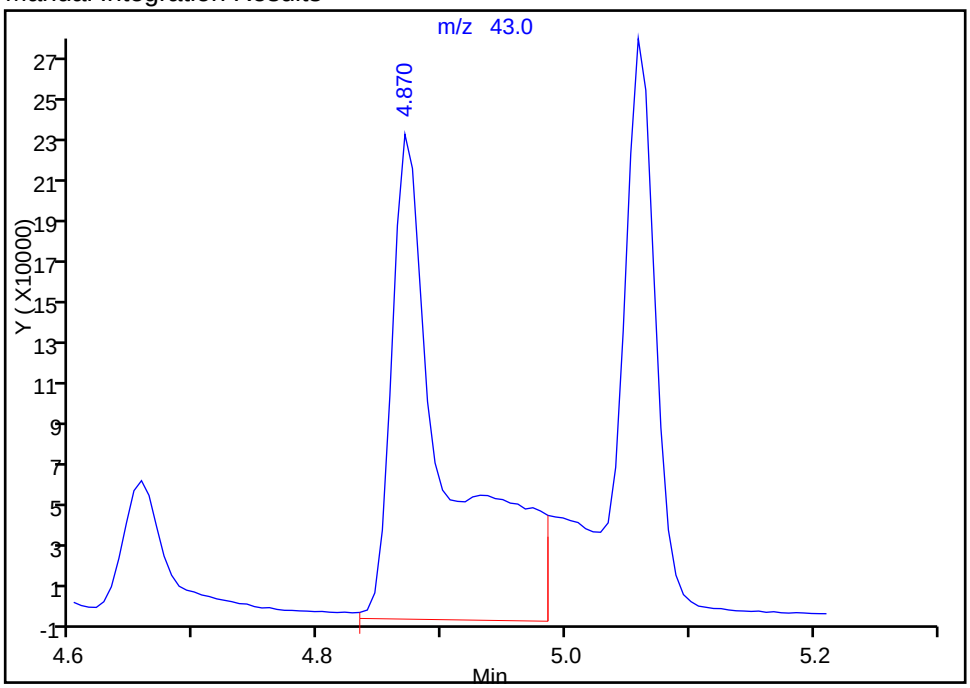
Processing Integration Results

RT: 4.87
Area: 464381
Amount: 778.8314
Amount Units: ug/L



Manual Integration Results

RT: 4.87
Area: 727719
Amount: 1139.1603
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:12:14
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7641.D
Lims ID: IC 8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 16-Dec-2015 02:44:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 8
Misc. Info.: 480-0049261-012
Operator ID: NMD Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:12:33 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: gentilej Date: 16-Dec-2015 16:00:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.120	5.122	-0.002	99	110635	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.407	7.410	-0.003	85	213407	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.281	9.277	0.004	93	249794	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.645	4.642	0.003	95	150243	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.895	4.891	0.004	0	83935	25.0	23.9	
$ 5 Toluene-d8 (Surr)	98	6.294	6.290	0.004	92	542286	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	8.338	8.340	-0.002	97	190811	25.0	25.4	
10 Dichlorodifluoromethane	85	1.445	1.442	0.003	99	691789	100.0	86.9	M
12 Chloromethane	50	1.634	1.630	0.004	98	1014836	100.0	87.7	
13 Vinyl chloride	62	1.713	1.716	-0.003	98	764658	100.0	89.9	
144 Butadiene	54	1.743	1.740	0.003	86	656277	100.0	94.6	
14 Bromomethane	94	2.048	2.050	-0.002	90	508625	100.0	88.4	
15 Chloroethane	64	2.133	2.135	-0.002	100	427660	100.0	89.3	
17 Trichlorofluoromethane	101	2.315	2.318	-0.003	99	823088	100.0	92.3	
16 Dichlorofluoromethane	67	2.346	2.342	0.004	98	1054978	100.0	83.1	
18 Ethyl ether	59	2.595	2.598	-0.003	90	611495	100.0	91.5	
20 Acrolein	56	2.747	2.744	0.003	100	828786	500.0	602.9	
22 1,1-Dichloroethene	96	2.796	2.798	-0.002	99	622104	100.0	102.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.826	2.817	0.009	90	394368	100.0	99.6	M
23 Acetone	43	2.887	2.884	0.003	100	1065123	500.0	466.9	M
25 Iodomethane	142	2.942	2.938	0.004	98	1306824	100.0	99.2	
26 Carbon disulfide	76	2.985	2.981	0.004	99	1871950	100.0	94.3	
28 3-Chloro-1-propene	41	3.131	3.127	0.004	93	1032989	100.0	88.2	
27 Methyl acetate	43	3.161	3.163	-0.002	97	3626141	500.0	404.2	
30 Methylene Chloride	84	3.252	3.249	0.003	94	657996	100.0	92.3	
31 2-Methyl-2-propanol	59	3.374	3.376	-0.002	100	689344	1000.0	1074.2	
32 Methyl tert-butyl ether	73	3.447	3.449	-0.002	95	2163314	100.0	91.9	
34 trans-1,2-Dichloroethene	96	3.459	3.462	-0.003	99	678888	100.0	96.6	
33 Acrylonitrile	53	3.483	3.480	0.003	98	4249803	1000.0	873.3	
35 Hexane	57	3.648	3.644	0.004	92	995240	100.0	99.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.812	3.814	-0.002	96	1197343	100.0	94.1	
37 Vinyl acetate	43	3.848	3.851	-0.003	97	3400704	200.0	180.2	
44 2,2-Dichloropropane	77	4.250	4.252	-0.002	87	694800	100.0	92.6	
45 cis-1,2-Dichloroethene	96	4.268	4.271	-0.003	82	742682	100.0	96.0	
43 2-Butanone (MEK)	43	4.280	4.283	-0.003	100	2754291	500.0	454.1	
48 Chlorobromomethane	128	4.463	4.459	0.004	92	428277	100.0	99.4	
49 Tetrahydrofuran	42	4.481	4.484	-0.003	89	809316	200.0	194.9	
50 Chloroform	83	4.518	4.520	-0.002	95	1092243	100.0	92.8	
51 1,1,1-Trichloroethane	97	4.633	4.630	0.003	99	905631	100.0	98.8	
52 Cyclohexane	56	4.651	4.654	-0.003	91	1036000	100.0	98.7	
55 Carbon tetrachloride	117	4.749	4.751	-0.002	99	892601	100.0	102.9	
54 1,1-Dichloropropene	75	4.755	4.751	0.004	97	911898	100.0	99.0	
53 Isobutyl alcohol	43	4.876	4.873	0.003	95	1589365	2500.0	2402.4	M
57 Benzene	78	4.913	4.915	-0.002	97	2487699	100.0	93.6	
58 1,2-Dichloroethane	62	4.949	4.952	-0.003	97	915976	100.0	92.6	
59 n-Heptane	43	5.059	5.061	-0.002	93	969649	100.0	92.6	
62 Trichloroethene	95	5.394	5.390	0.004	94	689821	100.0	98.0	
64 Methylcyclohexane	83	5.503	5.506	-0.003	90	1075718	100.0	100.3	
65 1,2-Dichloropropane	63	5.570	5.572	-0.002	96	656126	100.0	98.3	
66 1,4-Dioxane	88	5.667	5.670	-0.003	95	158807	2000.0	1995.1	
67 Dibromomethane	93	5.673	5.676	-0.003	92	458984	100.0	98.1	
68 Dichlorobromomethane	83	5.783	5.785	-0.002	99	866543	100.0	100.8	
69 2-Chloroethyl vinyl ether	63	5.990	5.986	0.004	93	537582	100.0	104.5	
77 trans-1,3-Dichloropropene	75	6.105	6.108	-0.003	93	1110901	100.0	103.1	
73 4-Methyl-2-pentanone (MIBK	43	6.203	6.205	-0.002	89	4431677	500.0	371.8	
74 Toluene	92	6.343	6.339	0.004	98	1605378	100.0	95.5	
72 cis-1,3-Dichloropropene	75	6.525	6.528	-0.003	97	1008566	100.0	106.4	
75 Ethyl methacrylate	69	6.556	6.552	0.004	91	999888	100.0	95.5	
79 1,1,2-Trichloroethane	83	6.671	6.674	-0.003	92	509253	100.0	98.5	
81 Tetrachloroethene	166	6.756	6.753	0.003	97	776687	100.0	102.3	
82 1,3-Dichloropropane	76	6.799	6.801	-0.002	88	1066602	100.0	99.9	
80 2-Hexanone	43	6.835	6.832	0.003	91	3350883	500.0	367.0	
83 Chlorodibromomethane	129	6.981	6.984	-0.003	90	819862	100.0	109.1	
84 Ethylene Dibromide	107	7.073	7.069	0.004	99	718110	100.0	102.0	
87 Chlorobenzene	112	7.432	7.434	-0.002	96	1843354	100.0	96.0	
88 Ethylbenzene	91	7.498	7.495	0.003	97	2662578	100.0	88.2	
89 1,1,1,2-Tetrachloroethane	131	7.498	7.495	0.003	80	751240	100.0	101.4	
90 m-Xylene & p-Xylene	106	7.584	7.586	-0.002	0	1238850	100.0	97.8	
91 o-Xylene	106	7.906	7.902	0.004	96	1213780	100.0	95.8	
92 Styrene	104	7.924	7.921	0.003	95	1932447	100.0	93.9	
95 Bromoform	173	8.107	8.109	-0.002	99	597316	100.0	112.1	
94 Isopropylbenzene	105	8.192	8.188	0.004	95	2805870	100.0	91.9	
101 Bromobenzene	156	8.466	8.468	-0.002	90	882816	100.0	99.7	
97 1,1,2,2-Tetrachloroethane	83	8.472	8.468	0.004	96	973777	100.0	94.0	
100 1,2,3-Trichloropropane	110	8.508	8.505	0.003	85	337716	100.0	96.9	
98 trans-1,4-Dichloro-2-buten	53	8.508	8.505	0.003	77	296347	100.0	103.0	
99 N-Propylbenzene	91	8.520	8.517	0.003	96	3009029	100.0	86.4	
103 2-Chlorotoluene	126	8.612	8.608	0.004	98	803193	100.0	99.6	
102 1,3,5-Trimethylbenzene	105	8.660	8.657	0.003	97	2375750	100.0	91.4	
105 4-Chlorotoluene	126	8.697	8.699	-0.002	95	833754	100.0	99.2	
106 tert-Butylbenzene	134	8.928	8.924	0.004	91	636463	100.0	100.4	
107 1,2,4-Trimethylbenzene	105	8.971	8.967	0.004	95	2412791	100.0	88.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.104	9.101	0.003	94	2811217	100.0	91.2	
110 4-Isopropyltoluene	119	9.220	9.216	0.004	96	2592465	100.0	89.8	
111 1,3-Dichlorobenzene	146	9.226	9.223	0.003	98	1552217	100.0	92.7	
113 1,4-Dichlorobenzene	146	9.299	9.296	0.003	95	1612999	100.0	92.7	
115 n-Butylbenzene	91	9.555	9.557	-0.002	95	2063110	100.0	89.6	
116 1,2-Dichlorobenzene	146	9.609	9.612	-0.003	98	1540985	100.0	93.0	
117 1,2-Dibromo-3-Chloropropan	75	10.266	10.269	-0.003	93	249103	100.0	99.5	
119 1,2,4-Trichlorobenzene	180	10.936	10.932	0.004	94	1130736	100.0	95.0	
120 Hexachlorobutadiene	225	11.045	11.042	0.003	97	413737	100.0	99.5	
121 Naphthalene	128	11.136	11.133	0.003	98	3288068	100.0	85.0	
122 1,2,3-Trichlorobenzene	180	11.331	11.327	0.004	96	1119397	100.0	98.9	
S 125 1,2-Dichloroethene, Total	1				0			192.7	
S 126 1,3-Dichloropropene, Total	1				0			209.5	
S 123 Total BTEX	1				0			470.9	
S 124 Xylenes, Total	1				0			193.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 50.00	Units: uL		
GAS CORP mix_00126	Amount Added: 50.00	Units: uL		
Q_8260_IS_00103	Amount Added: 1.25	Units: uL	Run Reagent	
Q_8260_SURR_00096	Amount Added: 1.25	Units: uL	Run Reagent	

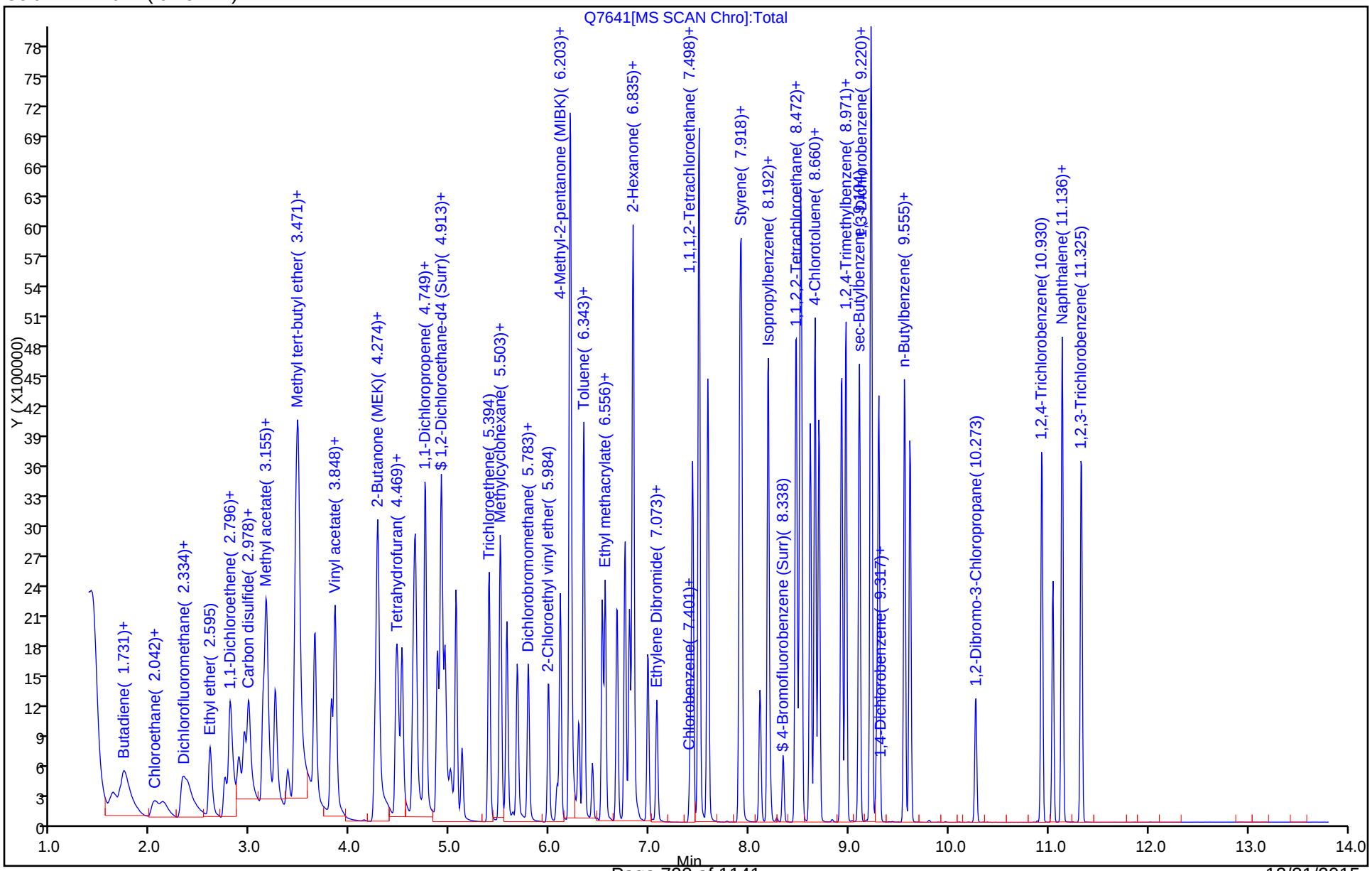
Report Date: 17-Dec-2015 13:12:33 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7641.D

Injection Date:	16-Dec-2015 02:44:30	Instrument ID:	HP5973Q	Operator ID:	NMD
Lims ID:	IC 8			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

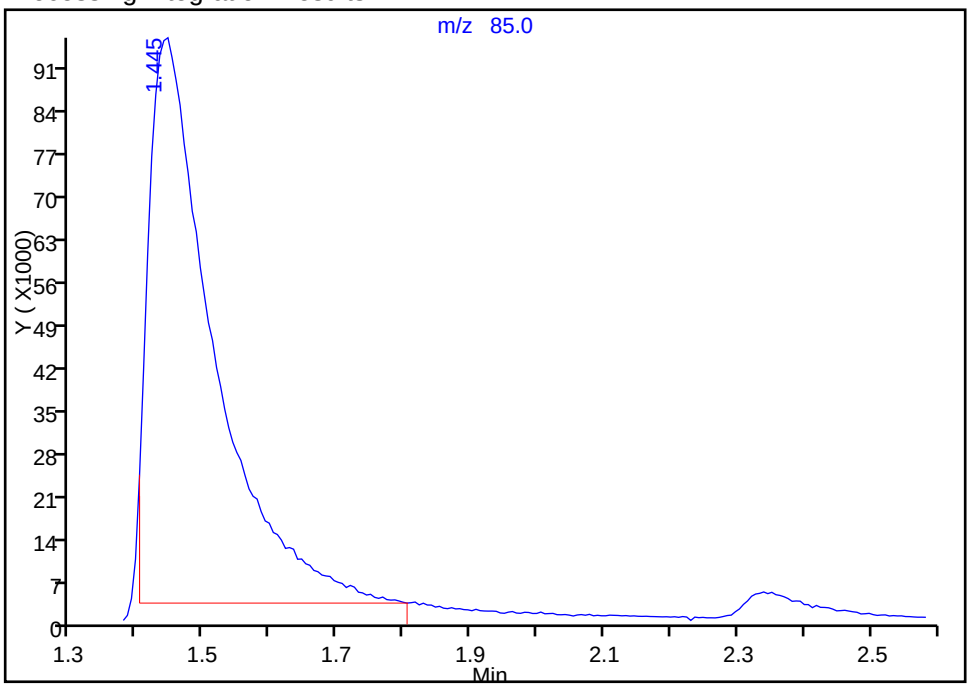
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7641.D
Injection Date: 16-Dec-2015 02:44:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: NMD ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

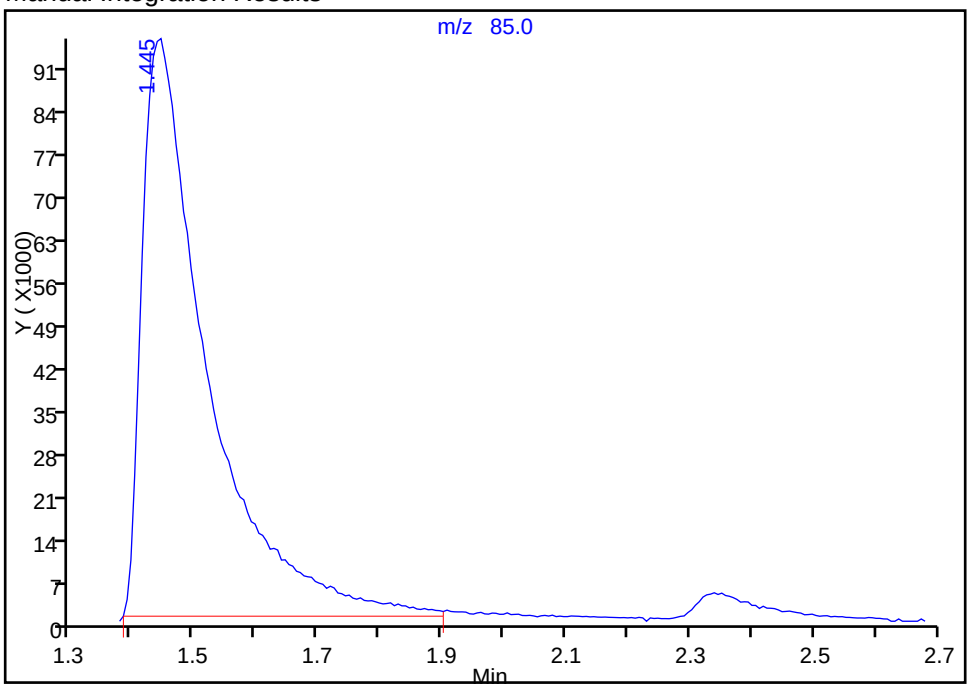
Processing Integration Results

RT: 1.45
Area: 630330
Amount: 80.033423
Amount Units: ug/L



Manual Integration Results

RT: 1.45
Area: 691789
Amount: 86.868517
Amount Units: ug/L



Reviewer: HillL, 17-Dec-2015 13:12:33
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

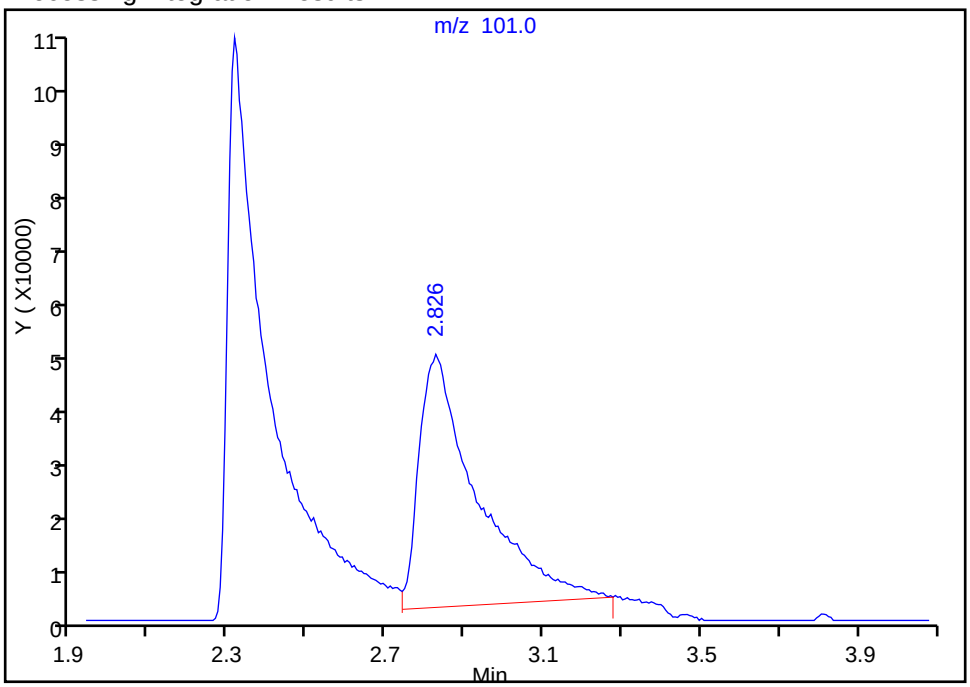
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7641.D
Injection Date: 16-Dec-2015 02:44:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: NMD ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

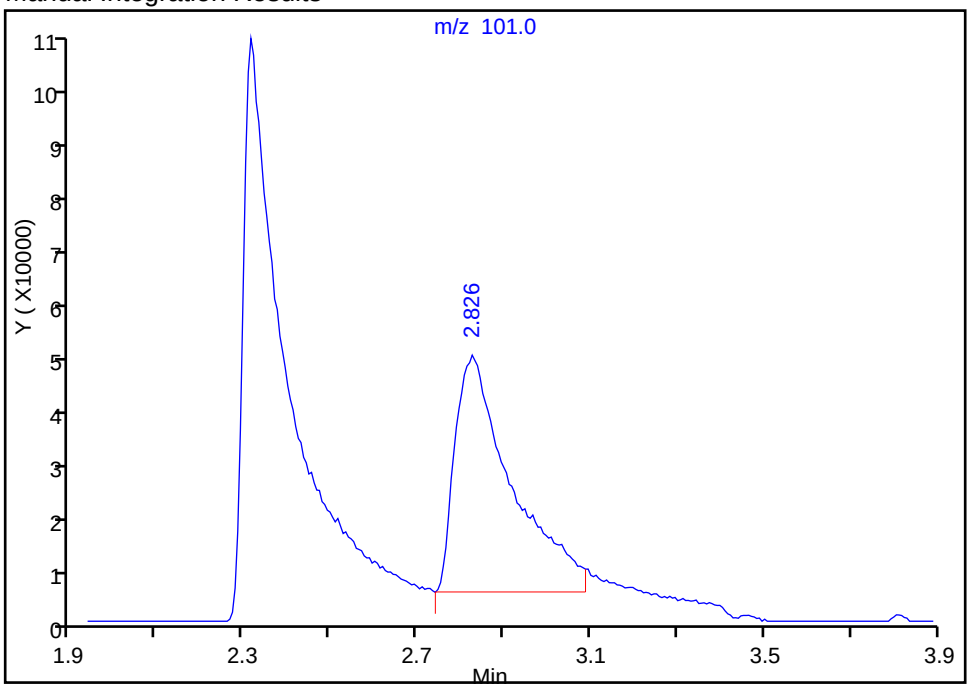
Processing Integration Results

RT: 2.83
Area: 477675
Amount: 124.6641
Amount Units: ug/L



Manual Integration Results

RT: 2.83
Area: 394368
Amount: 99.570514
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:36:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

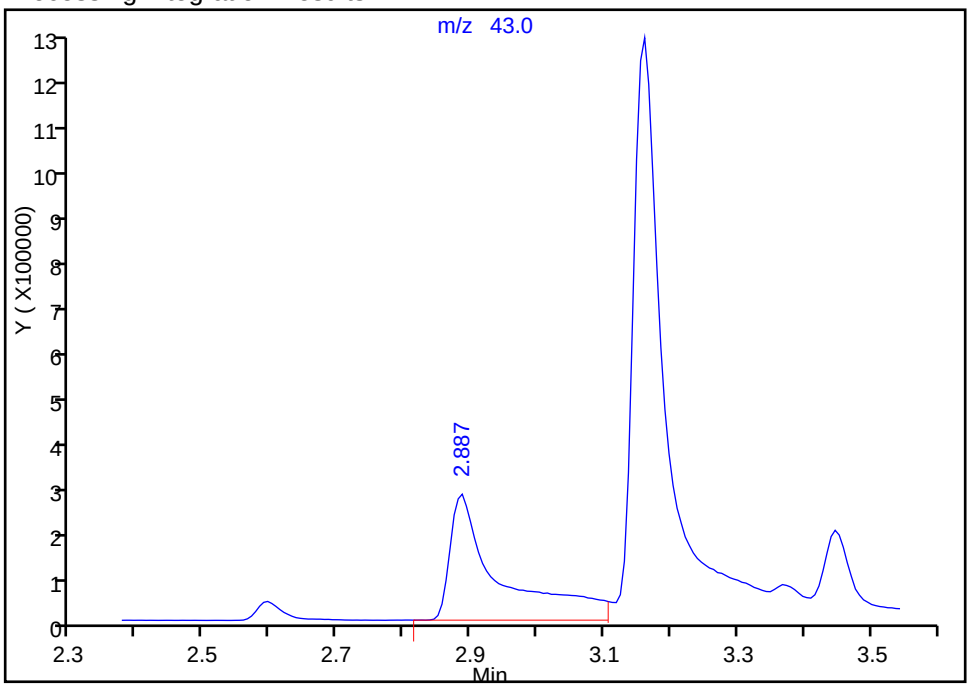
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7641.D
Injection Date: 16-Dec-2015 02:44:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: NMD ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

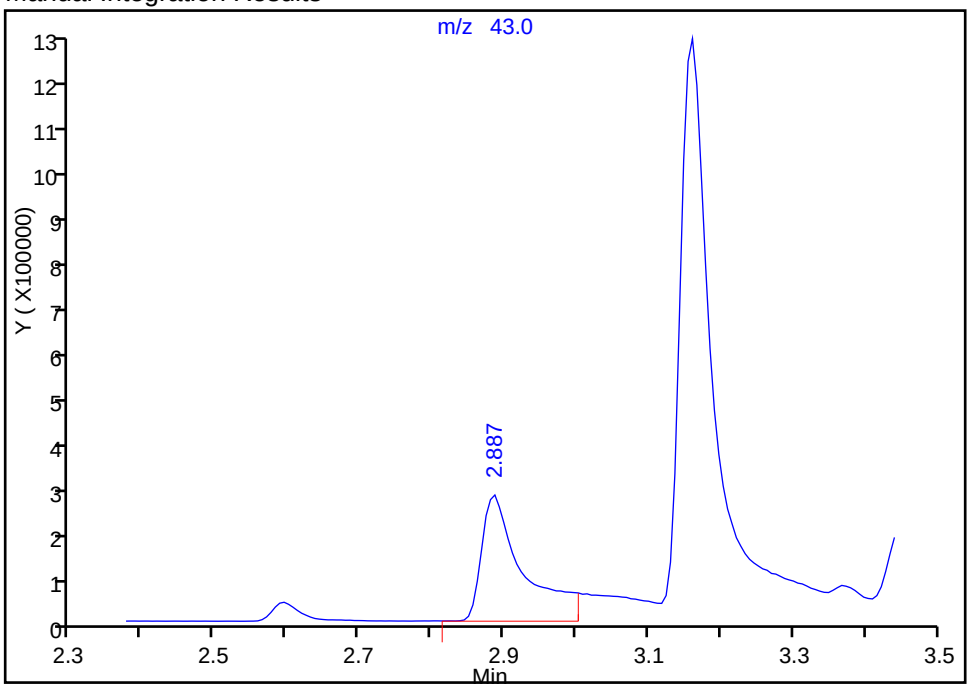
Processing Integration Results

RT: 2.89
Area: 1367301
Amount: 572.6849
Amount Units: ug/L



Manual Integration Results

RT: 2.89
Area: 1065123
Amount: 466.8941
Amount Units: ug/L



Reviewer: gentilej, 16-Dec-2015 16:43:31
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

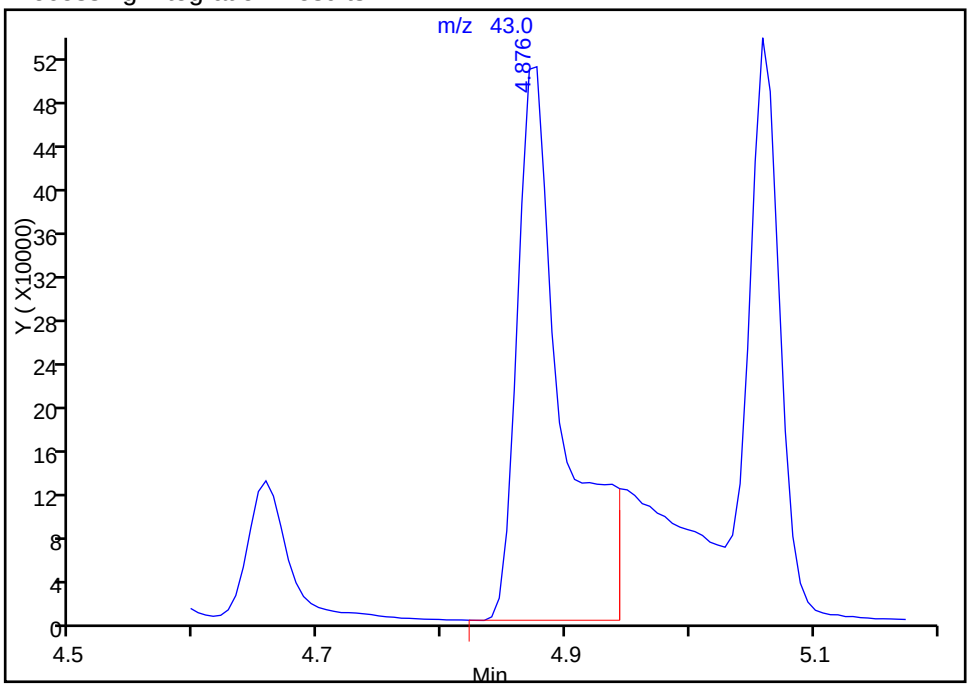
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7641.D
Injection Date: 16-Dec-2015 02:44:30 Instrument ID: HP5973Q
Lims ID: IC 8
Client ID:
Operator ID: NMD ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

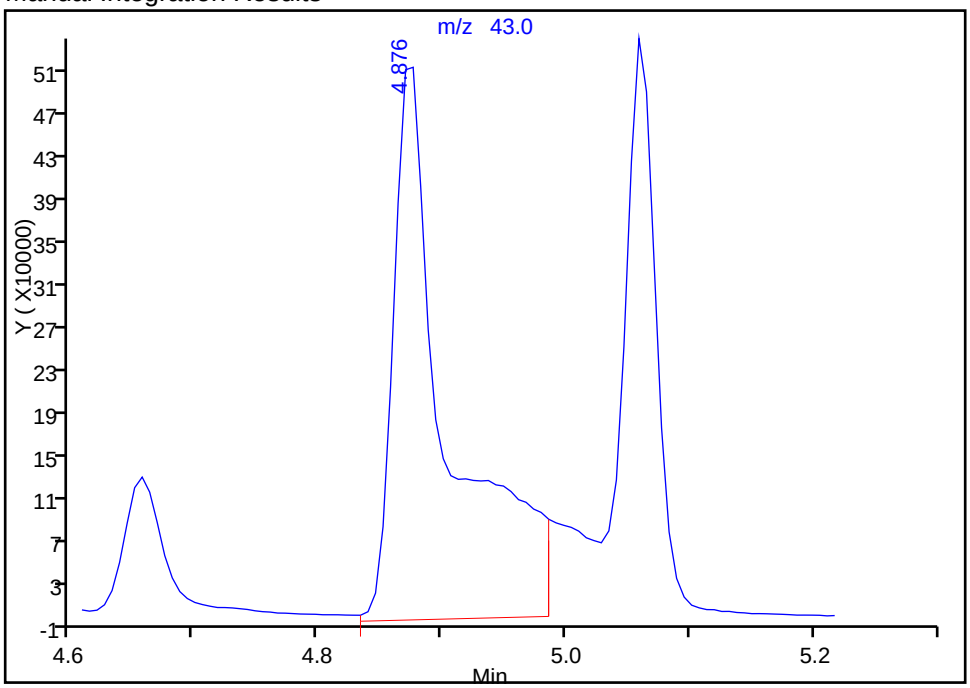
Processing Integration Results

RT: 4.88
Area: 1293182
Amount: 1993.6074
Amount Units: ug/L



Manual Integration Results

RT: 4.88
Area: 1589365
Amount: 2402.3783
Amount Units: ug/L



Reviewer: HillL, 16-Dec-2015 17:12:41
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.3308	1.2228 1.3281	1.4173	1.2277	1.1873	Ave		1.2857			0.1000	6.8		20.0			
Chloromethane	2.6961 2.4460	2.4219 2.4662	2.5310	2.3741	2.3572	Ave		2.4704			0.1000	4.7		20.0			
Vinyl chloride	+++++ 1.3481	1.3310 1.3920	1.3940	1.2340	1.2716	Ave		1.3284			0.1000	4.9		20.0			
Butadiene	1.5549 1.5384	1.9251 1.6681	1.6908	1.4393	1.4325	Ave		1.6070				10.7		20.0			
Bromomethane	+++++ 0.3967	0.4565 0.4243	0.3830	0.3936	0.3829	Ave		0.4062			0.1000	7.1		20.0			
Chloroethane	0.7687 0.5370	0.9305 0.5802	0.5734	0.5220	0.5063	Lin1	0.1636	0.5524			0.1000				0.9960		0.9900
Dichlorofluoromethane	1.3977 1.4819	1.1522 1.5223	1.4956	1.4367	1.4342	Ave		1.4172				8.8		20.0			
Trichlorofluoromethane	+++++ 1.2589	1.0880 1.2913	1.2539	1.0953	1.1737	Ave		1.1935			0.1000	7.4		20.0			
Ethyl ether	1.2557 1.4184	1.6013 1.4768	1.4571	1.4603	1.4312	Ave		1.4430				7.1		20.0			
Acrolein	+++++ 0.2852	0.2816 0.2989	0.2634	0.2678	0.2770	Ave		0.2790				4.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0173	0.9454 1.0421	1.0630	0.9781	0.9164	Ave		0.9937			0.1000	5.7		20.0			
1,1-Dichloroethene	+++++ 1.1287	1.0839 1.1598	1.2015	1.0921	1.0797	Ave		1.1243			0.1000	4.3		20.0			
Acetone	0.4633 0.4612	0.5130 0.4696	0.4375	0.4517	0.4611	Ave		0.4654			0.1000	5.0		20.0			
Iodomethane	+++++ 1.2304	1.3831 1.4343	1.1310	1.1859	1.2009	Ave		1.2609				9.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.0021 3.1786	3.5312 3.3572	3.3393	3.0658	3.1305	Ave		3.2292			0.1000	5.8		20.0			
Allyl chloride	2.0519 2.2637	2.7757 2.2696	2.3594	2.3039	2.2676	Ave		2.3274				9.4		20.0			
Methyl acetate	0.9908 1.2368	1.2558 1.2704	1.1773	1.2300	1.2374	Ave		1.1998			0.1000	8.1		20.0			
Methylene Chloride	+++++ 1.1081	1.8483 1.1526	1.3217	1.2482	1.1598	Lin1	0.7692	1.1308			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1370	0.1178 0.1509	0.1025	0.1112	0.1246	Ave		0.1240				14.2		20.0			
Methyl tert-butyl ether	+++++ 3.2064	3.4175 3.2628	3.1983	3.2748	3.2215	Ave		3.2635			0.1000	2.5		20.0			
trans-1,2-Dichloroethene	+++++ 1.1279	1.2450 1.1421	1.1731	1.1286	1.1478	Ave		1.1607			0.1000	3.8		20.0			
Acrylonitrile	0.5377 0.6585	0.6704 0.6749	0.6425	0.6589	0.6638	Ave		0.6438				7.4		20.0			
Hexane	2.4329 2.6765	2.7773 2.7037	2.8705	2.4459	2.4056	Ave		2.6161				7.1		20.0			
1,1-Dichloroethane	2.2567 2.4619	2.8101 2.5186	2.6497	2.4995	2.4710	Ave		2.5239			0.2000	6.8		20.0			
Vinyl acetate	+++++ 3.4563	2.7944 3.6713	2.7773	2.9332	3.2066	Ave		3.1399				11.7		20.0			
2,2-Dichloropropane	+++++ 0.8991	0.8034 0.9214	0.9584	0.9015	0.9008	Ave		0.8974				5.7		20.0			
cis-1,2-Dichloroethene	+++++ 1.2344	1.3411 1.2426	1.2719	1.2860	1.2513	Ave		1.2712			0.1000	3.1		20.0			
2-Butanone (MEK)	+++++ 0.7538	0.7221 0.7932	0.6912	0.7274	0.7381	Ave		0.7376			0.1000	4.6		20.0			
Chlorobromomethane	0.6513 0.6512	0.6583 0.6508	0.6793	0.6507	0.6677	Ave		0.6585				1.7		20.0			
Tetrahydrofuran	+++++ 0.5425	0.6431 0.5686	0.5059	0.5341	0.5368	Ave		0.5552				8.6		20.0			
Chloroform	1.8471 1.8870	2.0843 1.9269	1.9642	1.9383	1.9346	Ave		1.9403			0.2000	3.8		20.0			
1,1,1-Trichloroethane	1.3854 1.4015	1.3909 1.4632	1.4266	1.3535	1.3322	Ave		1.3933			0.1000	3.1		20.0			
Cyclohexane	+++++ 2.9362	3.3099 3.1667	3.0763	2.7890	2.7359	Ave		3.0023			0.1000	7.4		20.0			
Carbon tetrachloride	+++++ 1.3431	1.3284 1.4158	1.2384	1.1969	1.2273	Ave		1.2917			0.1000	6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.5293 1.5521	1.6623 1.5684	1.6602	1.5477	1.5337	Ave		1.5791				3.6		20.0			
Benzene	4.3031 4.4027	4.6741 4.3079	4.7423	4.5450	4.4926	Ave		4.4954			0.5000	3.8		20.0			
Isobutyl alcohol	+++++ 0.0713	0.0602 0.0784	0.0492	0.0542	0.0625	Ave		0.0626				17.2		20.0			
1,2-Dichloroethane	2.1750 1.9281	2.2132 1.9484	1.9832	2.0437	1.9787	Ave		2.0386			0.1000	5.5		20.0			
n-Heptane	+++++ 2.7515	2.8798 2.7471	2.9053	2.4863	2.5075	Ave		2.7129				6.6		20.0			
Trichloroethene	1.1431 1.1633	1.3312 1.1866	1.1687	1.1359	1.1676	Ave		1.1852			0.2000	5.6		20.0			
Methylcyclohexane	1.9605 2.0573	2.0750 2.1021	2.1814	1.8383	1.8607	Ave		2.0108			0.1000	6.4		20.0			
1,2-Dichloropropane	+++++ 1.3827	1.4493 1.4215	1.3586	1.3873	1.3762	Ave		1.3959			0.1000	2.4		20.0			
Dibromomethane	+++++ 0.6288	0.6806 0.6364	0.5967	0.6762	0.6463	Ave		0.6442			0.1000	4.9		20.0			
1,4-Dioxane	+++++ 0.0055	0.0056 0.0056	0.0044	0.0049	0.0053	Ave		0.0052				8.7		20.0			
Bromodichloromethane	+++++ 1.3421	1.1376 1.4133	1.1292	1.1655	1.2275	Ave		1.2359			0.2000	9.5		20.0			
2-Chloroethyl vinyl ether	+++++ 0.9409	0.8905 0.9823	0.8761	0.8951	0.9280	Ave		0.9188				4.3		20.0			
cis-1,3-Dichloropropene	+++++ 1.8316	1.7174 1.8873	1.5729	1.6933	1.7960	Ave		1.7498			0.2000	6.4		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.7200	0.6321 0.7399	0.6410	0.6842	0.7001	Ave		0.6862			0.1000	6.3		20.0			
Toluene	+++++ 1.3227	1.3854 1.3496	1.4058	1.3512	1.3200	Ave		1.3558			0.4000	2.5		20.0			
trans-1,3-Dichloropropene	+++++ 0.7498	0.6215 0.7897	0.6432	0.6670	0.7035	Ave		0.6958			0.1000	9.3		20.0			
Ethyl methacrylate	+++++ 0.6229	0.4789 0.6646	0.4843	0.5515	0.5808	Ave		0.5638				13.2		20.0			
1,1,2-Trichloroethane	+++++ 0.3624	0.4178 0.3699	0.3615	0.3755	0.3634	Ave		0.3751			0.1000	5.8		20.0			
Tetrachloroethene	+++++ 0.6448	0.6666 0.6522	0.6971	0.6366	0.6225	Ave		0.6533			0.2000	4.0		20.0			
1,3-Dichloropropane	+++++ 0.7889	0.8341 0.8088	0.8029	0.8288	0.7961	Ave		0.8099				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.5065	0.3792 0.5249	0.4303	0.4632	0.4880	Ave		0.4654			0.1000	11.5		20.0			
Dibromochloromethane	+++++ 0.4560	0.3430 0.5187	0.3332	0.3817	0.4113	Ave		0.4073			0.1000	17.4		20.0			
1,2-Dibromoethane	0.4283 0.4647	0.3412 0.4813	0.4580	0.4651	0.4667	Ave		0.4436				10.8		20.0			
Chlorobenzene	1.5673 1.5489	1.6013 1.5627	1.6289	1.6149	1.5525	Ave		1.5824			0.5000	2.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.5158	0.3837 0.5450	0.4651	0.4873	0.4976	Ave		0.4824				11.5		20.0			
Ethylbenzene	+++++ 2.4365	2.4017 2.4397	2.5268	2.4965	2.4365	Ave		2.4563			0.1000	1.9		20.0			
m,p-Xylene	+++++ 1.0424	1.0572 1.0573	1.0608	1.0199	1.0136	Ave		1.0419			0.1000	2.0		20.0			
o-Xylene	+++++ 1.0158	0.9931 1.0349	1.0321	1.0204	0.9994	Ave		1.0159			0.3000	1.7		20.0			
Styrene	+++++ 1.6549	1.5774 1.6693	1.5913	1.6688	1.6508	Ave		1.6354			0.3000	2.5		20.0			
Bromoform	+++++ 0.2361	0.1761 +++++	0.1631	0.1740	0.1986	Ave		0.1896			0.1000	15.3		20.0			
Isopropylbenzene	+++++ 2.4067	2.4343 2.4129	2.4247	2.3691	2.3678	Ave		2.4026			0.1000	1.2		20.0			
Bromobenzene	+++++ 0.6665	0.7117 0.6760	0.6631	0.6801	0.6718	Ave		0.6782				2.6		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5333	0.5529 0.5530	0.5020	0.5256	0.5237	Ave		0.5318			0.3000	3.7		20.0			
1,2,3-Trichloropropane	+++++ 0.1873	0.1736 0.1928	0.1922	0.1854	0.1927	Ave		0.1873				4.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2583	0.2069 0.2873	0.2177	0.2382	0.2543	Ave		0.2438				12.0		20.0			
N-Propylbenzene	+++++ 2.7549	2.7172 2.7092	2.7826	2.7248	2.7168	Ave		2.7343				1.0		20.0			
2-Chlorotoluene	0.5481 0.6087	0.6240 0.6117	0.6007	0.6054	0.6021	Ave		0.6001				4.0		20.0			
1,3,5-Trimethylbenzene	+++++ 2.0641	2.0607 2.0546	2.0877	2.0524	2.0404	Ave		2.0600				0.8		20.0			
4-Chlorotoluene	+++++ 0.6288	0.6636 0.6448	0.6750	0.6500	0.6350	Ave		0.6495				2.7		20.0			
tert-Butylbenzene	0.4282 0.5158	0.4280 0.5181	0.5087	0.5124	0.4999	Ave		0.4873				8.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.1082	2.0794 2.0852	2.1377	2.1208	2.1005	Ave		2.1053				1.0		20.0			
sec-Butylbenzene	+++++ 2.6029	2.6138 2.5545	2.6580	2.4978	2.5331	Ave		2.5767				2.3		20.0			
1,3-Dichlorobenzene	1.1767 1.2862	1.4066 1.2798	1.3438	1.3367	1.3067	Ave		1.3052			0.6000	5.4		20.0			
4-Isopropyltoluene	+++++ 2.4176	2.3330 2.3718	2.4312	2.3965	2.3769	Ave		2.3878				1.5		20.0			
1,4-Dichlorobenzene	1.2287 1.2956	1.4511 1.3002	1.3672	1.3268	1.2925	Ave		1.3232			0.5000	5.3		20.0			
n-Butylbenzene	+++++ 1.9744	1.8428 1.9276	1.9540	1.8808	1.9281	Ave		1.9180				2.5		20.0			
1,2-Dichlorobenzene	1.2195 1.2367	1.3095 1.2451	1.2941	1.3095	1.2479	Ave		1.2660			0.4000	2.9		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0896	0.0689 0.1031	0.0680	0.0723	0.0788	Ave		0.0801			0.0500	17.2		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9147	0.9568 0.9331	0.9473	0.9229	0.9023	Ave		0.9295			0.2000	2.2		20.0			
Hexachlorobutadiene	0.3929 0.3897	0.5300 0.4015	0.4088	0.3835	0.3839	Ave		0.4129				12.7		20.0			
Naphthalene	+++++ 2.2212	2.0731 2.3383	2.0486	2.1119	2.1789	Ave		2.1620				5.0		20.0			
1,2,3-Trichlorobenzene	0.8885 0.8564	0.8834 0.8831	0.8725	0.8901	0.8419	Ave		0.8737				2.1		20.0			
Dibromofluoromethane (Surr)	1.1154 1.1316	1.1431 1.1355	1.1398	1.1297	1.1370	Ave		1.1332				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7873 0.7599	0.8041 0.7557	0.7772	0.7715	0.7722	Ave		0.7754				2.1		20.0			
Toluene-d8 (Surr)	2.1597 2.1804	2.1701 2.2353	2.2646	2.1942	2.2209	Ave		2.2036				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.6900 0.7033	0.6982 0.7267	0.7264	0.6961	0.7031	Ave		0.7062				2.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 384878	6613 732166	39226	69208	167752	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	7253 707401	13098 1359630	70050	133830	333053	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	+++++ 389881	7198 767389	38582	69560	179662	+++++ 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	4183 444921	10411 919655	46796	81136	202402	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	+++++ 114735	2469 233914	10601	22185	54107	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Lin1	2068 155288	5032 319861	15871	29425	71541	0.500 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	3760 428557	6231 839254	41393	80991	202648	0.500 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	+++++ 364067	5884 711886	34704	61742	165837	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	3378 410204	8660 814181	40327	82317	202216	0.500 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	+++++ 412341	7614 824014	36451	75488	195663	+++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 294194	5113 574499	29420	55139	129487	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Ave	+++++ 326433	5862 639416	33254	61561	152549	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	6232 666854	13871 1294453	60549	127327	325776	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	+++++ 355845	7480 790710	31302	66852	169677	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	8076 919270	19097 1850817	92423	172823	442319	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	5520 654665	15011 1251259	65302	129876	320400	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	13327 1788408	33957 3501767	162926	346679	874197	2.50 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	+++++ 320479	9996 635449	36580	70360	163870	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	+++++ 396153	6369 831957	28372	62657	176036	+++++ 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	+++++ 927310	18482 1798787	88520	184602	455171	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 326177	6733 629624	32469	63618	162176	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	14466 1904536	36255 3721025	177820	371449	937951	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	6545 774063	15020 1490572	79448	137879	339893	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	6071 711976	15197 1388492	73335	140899	349138	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	+++++ 1999132	30225 4048027	153732	330701	906140	+++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 260020	4345 507948	26527	50817	127274	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 356979	7253 685068	35201	72491	176801	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	+++++ 1089965	19526 2186412	95655	205030	521469	+++++ 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	1752 188339	3560 358803	18800	36683	94337	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	+++++ 313782	6956 626974	28005	60220	151679	+++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	4969 545719	11272 1062310	54364	109266	273346	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	3727 405331	7522 806655	39485	76296	188231	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	+++++ 849146	17900 1745813	85143	157217	386557	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	+++++ 388432	7184 780531	34276	67472	173413	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	4114 448860	8990 864665	45948	87248	216695	0.500 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	11576 1273280	25278 2374990	131252	256205	634777	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	+++++ 515258	8143 1081037	34019	76362	220608	+++++ 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	5851 557623	11969 1074152	54890	115208	279571	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	+++++ 795739	15574 1514477	80409	140157	354291	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	3075 336443	7199 654158	32345	64031	164967	0.500 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	5274 594963	11222 1158878	60375	103629	262907	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	+++++ 399881	7838 783659	37601	78204	194453	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	+++++ 181849	3681 350847	16516	38116	91319	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	+++++ 69823	1390 134550	5373	12325	33462	+++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	+++++ 388124	6152 779182	31252	65702	173441	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 272104	4816 541526	24248	50460	131120	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 529705	9288 1040474	43533	95452	253766	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 2303686	39518 4467025	195072	426755	1103729	+++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	+++++ 846474	17324 1629513	85564	168561	416198	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 479849	7772 953423	39151	83208	221802	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	+++++ 398620	5988 802412	29477	68795	183114	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 231896	5225 446618	22003	46850	114567	+++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	+++++ 412634	8336 787428	42427	79418	196259	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	+++++ 504839	10430 976493	48870	103400	251020	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	+++++ 1620695	23708 3168492	130954	288951	769332	+++++ 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	+++++ 291798	4289 626312	20280	47612	129665	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBZ	Ave	2633 297386	4267 581097	27874	58018	147160	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	9636 991172	20023 1886737	99142	201464	489503	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 330105	4798 658067	28311	60788	156892	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	+++++ 1559193	30032 2945674	153796	311438	768201	+++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	+++++ 667091	13220 1276629	64566	127235	319588	+++++ 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	+++++ 650046	12418 1249533	62822	127291	315108	+++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	+++++ 1059058	19725 2015443	96856	208180	520475	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	+++++ 151093	2202 +++++	9927	21712	62613	+++++ 50.0	1.00 +++++	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	+++++ 1592966	31400 3037383	155131	308097	769696	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	+++++ 441115	9180 851016	42421	88443	218378	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 353013	7132 696118	32118	68357	170247	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 123972	2239 242757	12295	24112	62652	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 170994	2669 361615	13930	30971	82663	+++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	+++++ 1823439	35048 3410446	178027	354350	883134	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	3581 402879	8049 770020	38434	78736	195715	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 1366200	26580 2586418	133570	266907	663249	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	+++++ 416165	8559 811729	43185	84531	206417	+++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	2798 341425	5521 652188	32546	66641	162497	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 1395377	26822 2624879	136768	275797	682796	+++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	+++++ 1722835	33715 3215691	170056	324824	823426	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	7688 851308	18143 1611103	85971	173838	424764	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	+++++ 1600178	30093 2985715	155542	311653	772647	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	8028 857547	18718 1636702	87474	172541	420148	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	+++++ 1306828	23770 2426545	125016	244588	626745	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	7968 818524	16891 1567356	82796	170294	405634	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59301	889 129795	4350	9406	25618	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 605408	12342 1174572	60608	120022	293300	+++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	2567 257956	6836 505418	26152	49873	124789	0.500 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	+++++ 1470204	26740 2943541	131067	274641	708276	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	5805 566866	11395 1111686	55819	115758	273684	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	163079 177854	167995 170114	171454	173046	174615	27.2 27.2	27.2 27.2	27.2	27.2	27.2
1,2-Dichloroethane-d4 (Surr)	FB	Ave	115111 119444	118176 113208	116902	118182	118593	27.2 27.2	27.2 27.2	27.2	27.2	27.2
Toluene-d8 (Surr)	CBZ	Ave	721610 758326	737390 733388	749115	743834	761118	27.2 27.2	27.2 27.2	27.2	27.2	27.2
4-Bromofluorobenzene (Surr)	CBZ	Ave	230551 244603	237257 238419	240269	235976	240952	27.2 27.2	27.2 27.2	27.2	27.2	27.2

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Dec-2015 13:52:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0049002-005
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:12 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:39:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	134508	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	307398	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	94	326688	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	72	163079	27.2	26.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	115111	27.2	27.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	721610	27.2	26.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	230551	27.2	26.5	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	42	3024	0.5000	0.4372	
12 Chloromethane	50	1.401	1.407	-0.006	73	7253	0.5000	0.5457	
13 Vinyl chloride	62	1.505	1.505	0.000	15	3042	0.5000	0.4256	
151 Butadiene	54	1.535	1.535	0.000	77	4183	0.5000	0.4838	
14 Bromomethane	94	1.821	1.797	0.024	1	1381	0.5000	0.6319	
15 Chloroethane	64	1.919	1.919	0.000	1	2068	0.5000	0.3996	
16 Dichlorofluoromethane	67	2.120	2.132	-0.012	18	3760	0.5000	0.4931	
17 Trichlorofluoromethane	101	2.138	2.144	-0.006	19	2718	0.5000	0.4233	
18 Ethyl ether	59	2.424	2.424	0.000	53	3378	0.5000	0.4351	
20 Acrolein	56	2.588	2.582	0.006	49	2994	2.50	1.99	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	1	2131	0.5000	0.3986	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	40	2062	0.5000	0.3409	
23 Acetone	43	2.741	2.741	0.000	75	6232	2.50	2.49	
25 Iodomethane	142	2.820	2.820	0.000	51	2219	0.5000	0.3271	
26 Carbon disulfide	76	2.856	2.850	0.006	49	8076	0.5000	0.4648	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	31	5520	0.5000	0.4408	
27 Methyl acetate	43	3.051	3.045	0.006	95	13327	2.50	2.06	
30 Methylene Chloride	84	3.161	3.179	-0.018	62	7189	0.5000	0.5014	
31 2-Methyl-2-propanol	59	3.313	3.301	0.012	14	2038	5.00	3.06	
32 Methyl tert-butyl ether	73	3.374	3.368	0.006	63	7651	0.5000	0.4357	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	56	2619	0.5000	0.4194	
33 Acrylonitrile	53	3.410	3.404	0.006	96	14466	5.00	4.18	
35 Hexane	57	3.593	3.599	-0.006	72	6545	0.5000	0.4650	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.782	3.788	-0.006	1	6071	0.5000	0.4471	
37 Vinyl acetate	43	3.855	3.849	0.006	71	11181	1.00	0.6619	
44 2,2-Dichloropropane	77	4.323	4.317	0.006	22	2884	0.5000	0.5973	
45 cis-1,2-Dichloroethene	96	4.336	4.342	-0.006	20	2743	0.5000	0.4011	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	34	6507	2.50	1.64	
48 Chlorobromomethane	128	4.573	4.573	0.000	18	1752	0.5000	0.4945	
49 Tetrahydrofuran	42	4.628	4.603	0.025	35	2058	1.00	0.6890	
50 Chloroform	83	4.652	4.652	0.000	38	4969	0.5000	0.4760	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	1	3727	0.5000	0.4972	
52 Cyclohexane	56	4.804	4.804	0.000	1	6490	0.5000	0.4018	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	14	2749	0.5000	0.3956	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	1	4114	0.5000	0.4842	
53 Isobutyl alcohol	43	5.139	5.133	0.006	2	1519	12.5	4.51	
57 Benzene	78	5.133	5.133	0.000	59	11576	0.5000	0.4786	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	31	5851	0.5000	0.5334	
59 n-Heptane	43	5.334	5.340	-0.006	67	6313	0.5000	0.4325	
62 Trichloroethene	95	5.754	5.748	0.006	32	3075	0.5000	0.4822	
64 Methylcyclohexane	83	5.882	5.882	0.000	45	5274	0.5000	0.4875	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	25	2767	0.5000	0.3684	
67 Dibromomethane	93	6.113	6.107	0.006	18	1082	0.5000	0.3122	
66 1,4-Dioxane	88		6.119				ND	ND	
68 Dichlorobromomethane	83	6.265	6.265	0.000	1	2748	0.5000	0.4133	
69 2-Chloroethyl vinyl ether	63	6.552	6.546	0.006	1	1567	0.5000	0.3170	
72 cis-1,3-Dichloropropene	75	6.692	6.686	0.006	11	3376	0.5000	0.3586	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	69	13913	2.50	1.65	
74 Toluene	92	6.978	6.984	-0.006	78	6318	0.5000	0.3790	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	18	2457	0.5000	0.2872	
75 Ethyl methacrylate	69		7.306				ND	ND	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	7	1786	0.5000	0.3872	
81 Tetrachloroethene	166	7.526	7.520	0.006	36	3167	0.5000	0.3943	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	31	3913	0.5000	0.3929	
80 2-Hexanone	43	7.672	7.666	0.006	51	7762	2.50	1.36	
83 Chlorodibromomethane	129	7.836	7.830	0.006	1	1665	0.5000	0.3325	
84 Ethylene Dibromide	107	7.933	7.934	-0.001	34	2633	0.5000	0.4827	
87 Chlorobenzene	112	8.420	8.421	-0.001	31	9636	0.5000	0.4953	
89 1,1,1,2-Tetrachloroethane	131	8.524	8.518	0.006	1	1766	0.5000	0.2977	
88 Ethylbenzene	91	8.524	8.524	0.000	59	12284	0.5000	0.4067	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	5522	0.5000	0.4310	
91 o-Xylene	106	9.072	9.072	0.000	65	5502	0.5000	0.4404	
92 Styrene	104	9.096	9.096	0.000	26	8266	0.5000	0.4111	
95 Bromoform	173	9.334	9.328	0.006	1	983	0.5000	0.4217	
94 Isopropylbenzene	105	9.455	9.455	0.000	66	13657	0.5000	0.4350	
101 Bromobenzene	156	9.790	9.796	-0.006	50	3836	0.5000	0.4328	
97 1,1,2,2-Tetrachloroethane	83	9.839	9.833	0.006	1	2261	0.5000	0.3254	
100 1,2,3-Trichloropropane	110	9.857	9.869	-0.012	1	879	0.5000	0.3591	
99 N-Propylbenzene	91	9.888	9.882	0.006	74	13752	0.5000	0.3849	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.882	0.006	1	1215	0.5000	0.3814	
103 2-Chlorotoluene	126	9.985	9.985	0.000	58	3581	0.5000	0.4567	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	45	11054	0.5000	0.4106	
105 4-Chlorotoluene	126	10.095	10.095	0.000	39	3700	0.5000	0.4359	
106 tert-Butylbenzene	134	10.381	10.381	0.000	35	2798	0.5000	0.4394	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	43	10897	0.5000	0.3961	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	49	14129	0.5000	0.4196	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	52	7688	0.5000	0.4508	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	51	12673	0.5000	0.4061	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	1	8028	0.5000	0.4643	
115 n-Butylbenzene	91	11.117	11.117	0.000	67	8667	0.5000	0.3458	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	44	7968	0.5000	0.4816	
117 1,2-Dibromo-3-Chloropropan	75		11.872				ND	ND	
119 1,2,4-Trichlorobenzene	180	12.566	12.560	0.006	18	5135	0.5000	0.4228	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	1	2567	0.5000	0.4758	
121 Naphthalene	128	12.773	12.773	0.000	12	11523	0.5000	0.4079	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	39	5805	0.5000	0.5084	
S 125 1,2-Dichloroethene, Total	1				0			0.8204	
S 126 1,3-Dichloropropene, Total	1				0			0.6458	
S 123 Total BTEX	1				0			2.14	
S 124 Xylenes, Total	1				0			0.8715	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

8260 CORP mix_00061	Amount Added:	0.50	Units: uL	
GAS CORP mix_00125	Amount Added:	0.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

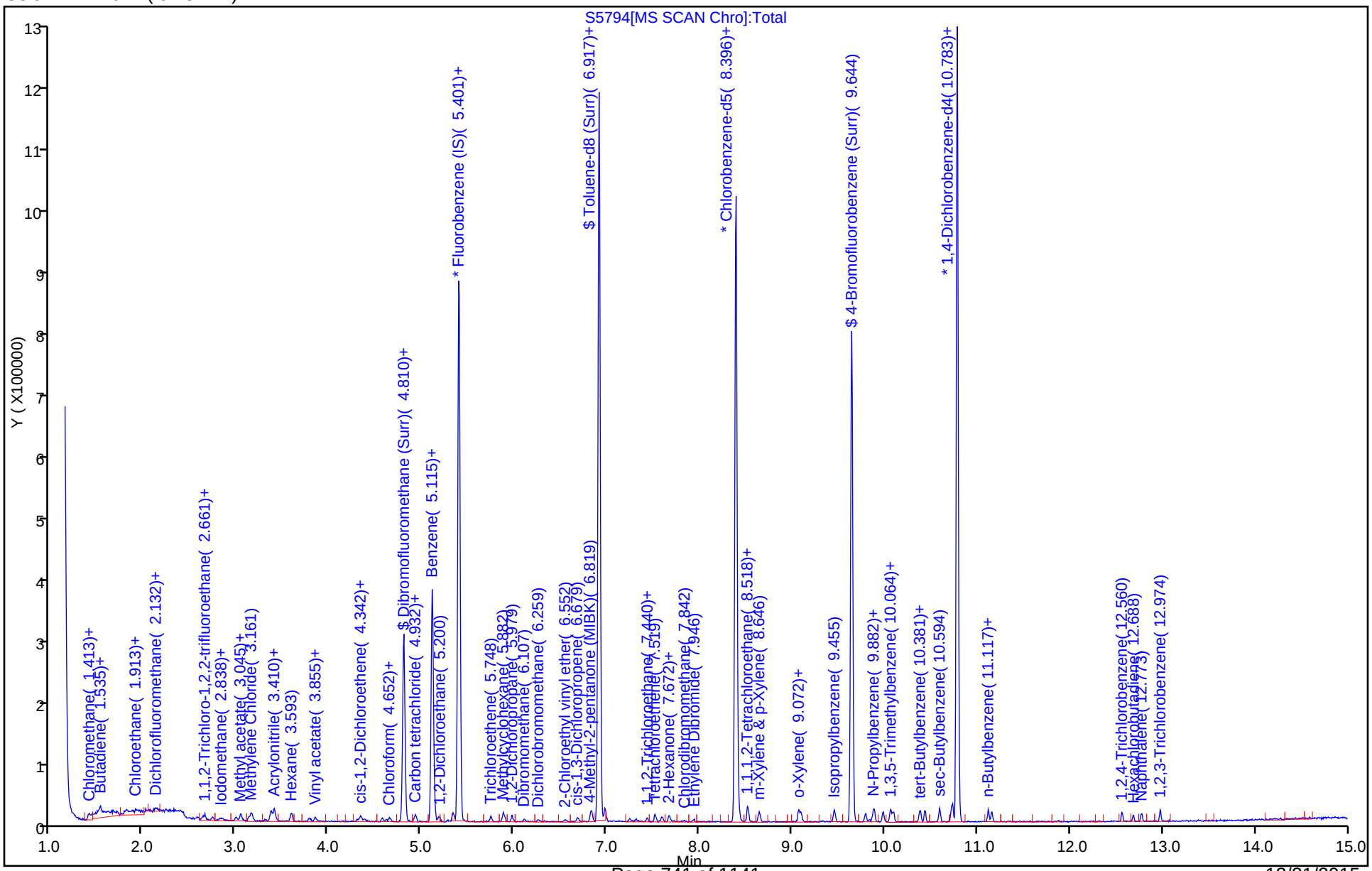
Report Date: 07-Dec-2015 22:59:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D

Injection Date:	07-Dec-2015 13:52:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Dec-2015 14:38:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049002-007
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:02 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:13:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	138385	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.390	0.000	86	304326	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	93	319891	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	82	171454	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	116902	27.2	27.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	749115	27.2	27.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	240269	27.2	27.9	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	67	39226	5.00	5.51	
12 Chloromethane	50	1.401	1.407	-0.006	88	70050	5.00	5.12	
13 Vinyl chloride	62	1.505	1.505	0.000	75	38582	5.00	5.25	
151 Butadiene	54	1.529	1.535	-0.006	86	46796	5.00	5.26	
14 Bromomethane	94	1.821	1.797	0.024	31	10601	5.00	4.71	
15 Chloroethane	64	1.919	1.919	0.000	59	15871	5.00	4.89	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	66	41393	5.00	5.28	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	55	34704	5.00	5.25	
18 Ethyl ether	59	2.424	2.424	0.000	94	40327	5.00	5.05	
20 Acrolein	56	2.582	2.582	0.000	82	36451	25.0	23.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	28	29420	5.00	5.35	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	76	33254	5.00	5.34	M
23 Acetone	43	2.741	2.741	0.000	97	60549	25.0	23.5	
25 Iodomethane	142	2.814	2.820	-0.006	83	31302	5.00	4.48	
26 Carbon disulfide	76	2.856	2.850	0.006	95	92423	5.00	5.17	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	75	65302	5.00	5.07	
27 Methyl acetate	43	3.045	3.045	0.000	97	162926	25.0	24.5	
30 Methylene Chloride	84	3.167	3.179	-0.012	77	36580	5.00	5.16	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	86	28372	50.0	41.3	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	90	88520	5.00	4.90	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	79	32469	5.00	5.05	
33 Acrylonitrile	53	3.404	3.404	0.000	98	177820	50.0	49.9	
35 Hexane	57	3.599	3.599	0.000	94	79448	5.00	5.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	74	73335	5.00	5.25	
37 Vinyl acetate	43	3.849	3.849	0.000	90	153732	10.0	8.85	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	72	26527	5.00	5.34	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	71	35201	5.00	5.00	
43 2-Butanone (MEK)	43	4.378	4.372	0.006	91	95655	25.0	23.4	
48 Chlorobromomethane	128	4.573	4.573	0.000	77	18800	5.00	5.16	
49 Tetrahydrofuran	42	4.610	4.603	0.007	84	28005	10.0	9.11	
50 Chloroform	83	4.652	4.652	0.000	79	54364	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	81	39485	5.00	5.12	
52 Cyclohexane	56	4.804	4.804	0.000	45	85143	5.00	5.12	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	68	34276	5.00	4.79	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	84	45948	5.00	5.26	
53 Isobutyl alcohol	43	5.133	5.133	0.000	44	34019	125.0	98.1	M
57 Benzene	78	5.133	5.133	0.000	89	131252	5.00	5.27	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	58	54890	5.00	4.86	
59 n-Heptane	43	5.340	5.340	0.000	95	80409	5.00	5.35	
62 Trichloroethene	95	5.748	5.748	0.000	82	32345	5.00	4.93	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	60375	5.00	5.42	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	83	37601	5.00	4.87	
67 Dibromomethane	93	6.107	6.107	0.000	77	16516	5.00	4.63	
66 1,4-Dioxane	88	6.119	6.119	0.000	20	5373	100.0	84.8	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	81	31252	5.00	4.57	
69 2-Chloroethyl vinyl ether	63	6.545	6.546	-0.001	76	24248	5.00	4.77	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	79	43533	5.00	4.49	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	97	195072	25.0	23.4	
74 Toluene	92	6.978	6.984	-0.006	88	85564	5.00	5.18	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	86	39151	5.00	4.62	
75 Ethyl methacrylate	69	7.306	7.306	0.000	86	29477	5.00	4.29	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	22003	5.00	4.82	
81 Tetrachloroethene	166	7.526	7.520	0.006	88	42427	5.00	5.34	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	88	48870	5.00	4.96	
80 2-Hexanone	43	7.666	7.666	0.000	98	130954	25.0	23.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	76	20280	5.00	4.09	
84 Ethylene Dibromide	107	7.940	7.934	0.006	80	27874	5.00	5.16	
87 Chlorobenzene	112	8.427	8.421	0.006	78	99142	5.00	5.15	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	33	28311	5.00	4.82	
88 Ethylbenzene	91	8.524	8.524	0.000	93	153796	5.00	5.14	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	64566	5.00	5.09	
91 o-Xylene	106	9.072	9.072	0.000	96	62822	5.00	5.08	
92 Styrene	104	9.096	9.096	0.000	93	96856	5.00	4.87	
95 Bromoform	173	9.334	9.328	0.006	60	9927	5.00	4.30	
94 Isopropylbenzene	105	9.455	9.455	0.000	95	155131	5.00	5.05	
101 Bromobenzene	156	9.790	9.796	-0.006	88	42421	5.00	4.89	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	77	32118	5.00	4.72	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	54	12295	5.00	5.13	
99 N-Propylbenzene	91	9.888	9.882	0.006	96	178027	5.00	5.09	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	30	13930	5.00	4.47	
103 2-Chlorotoluene	126	9.985	9.985	0.000	93	38434	5.00	5.01	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	93	133570	5.00	5.07	
105 4-Chlorotoluene	126	10.095	10.095	0.000	92	43185	5.00	5.20	
106 tert-Butylbenzene	134	10.381	10.381	0.000	85	32546	5.00	5.22	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	61	136768	5.00	5.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	82	170056	5.00	5.16	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	96	85971	5.00	5.15	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	93	155542	5.00	5.09	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	78	87474	5.00	5.17	
115 n-Butylbenzene	91	11.117	11.117	0.000	96	125016	5.00	5.09	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	87	82796	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	18	4350	5.00	4.24	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	89	60608	5.00	5.10	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	78	26152	5.00	4.95	
121 Naphthalene	128	12.773	12.773	0.000	93	131067	5.00	4.74	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	93	55819	5.00	4.99	
S 125 1,2-Dichloroethene, Total	1				0			10.1	
S 126 1,3-Dichloropropene, Total	1				0			9.12	
S 123 Total BTEX	1				0			25.8	
S 124 Xylenes, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

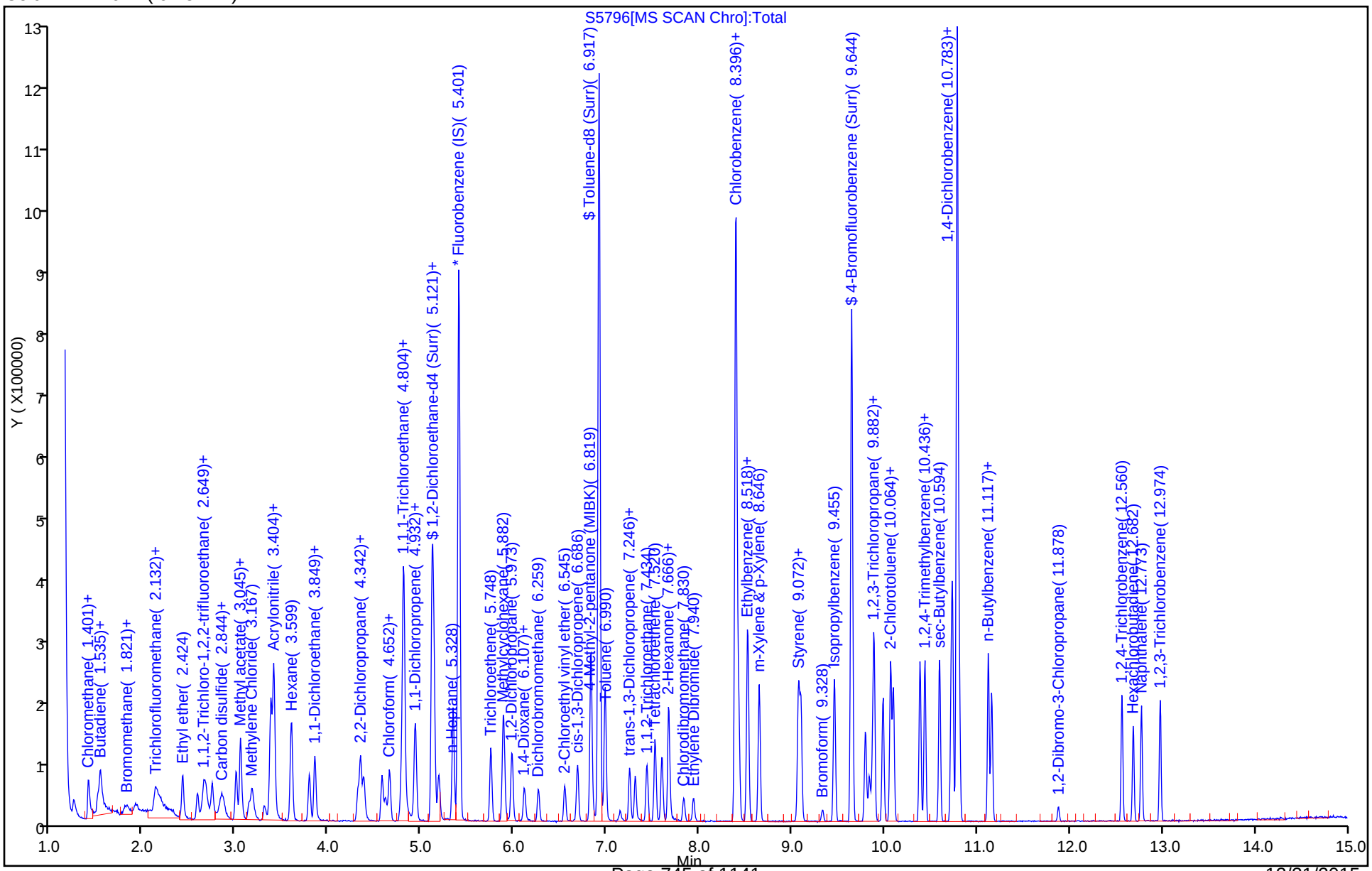
Report Date: 07-Dec-2015 22:59:03 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D

Injection Date:	07-Dec-2015 14:38:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

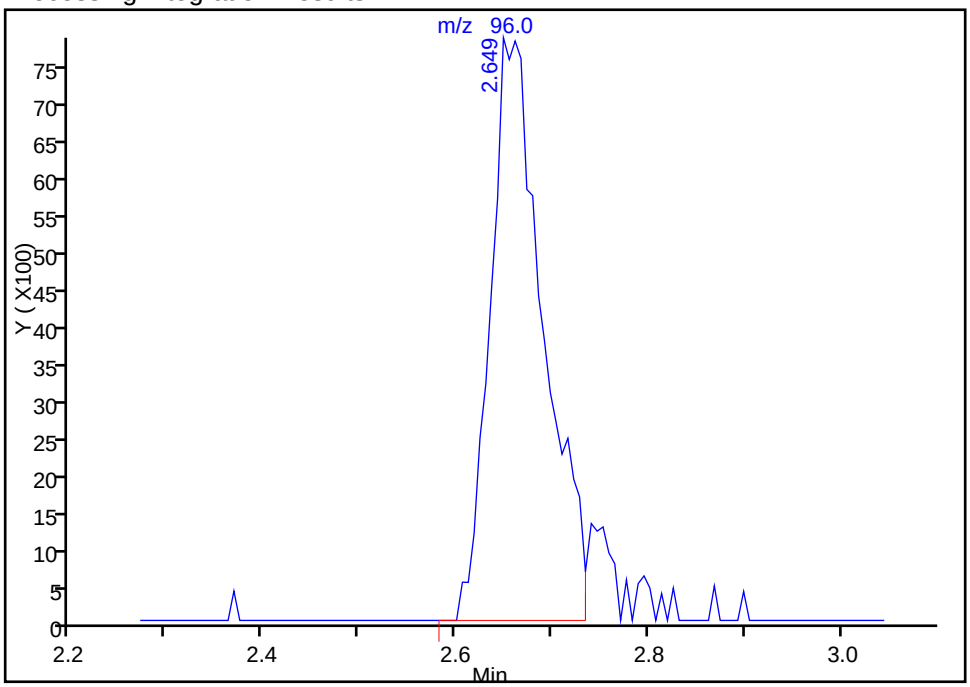
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

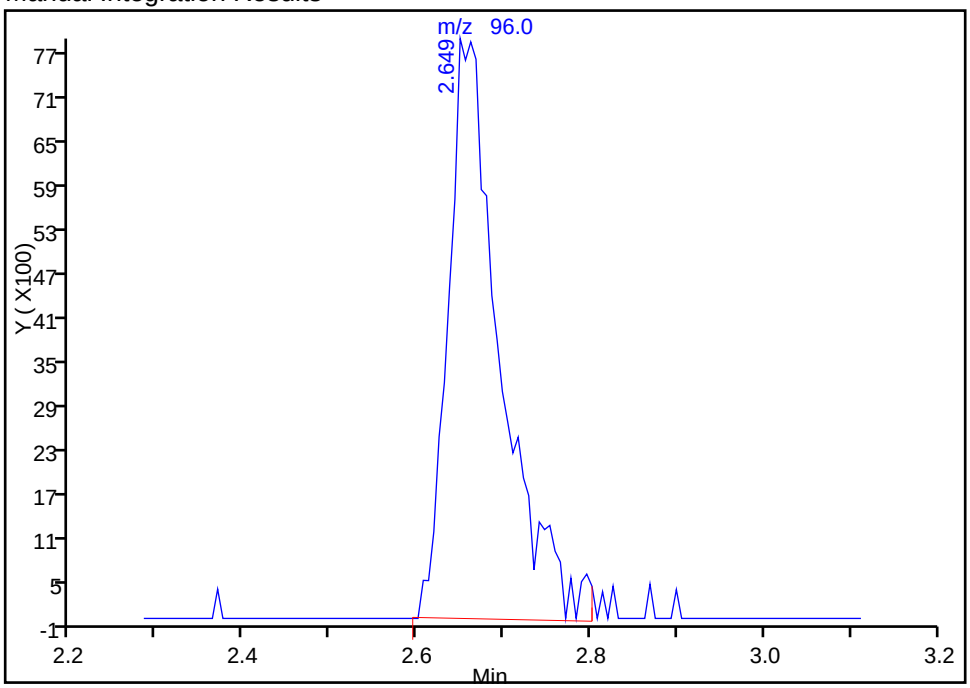
Processing Integration Results

RT: 2.65
Area: 30357
Amount: 4.954775
Amount Units: ug/L



Manual Integration Results

RT: 2.65
Area: 33254
Amount: 5.343396
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

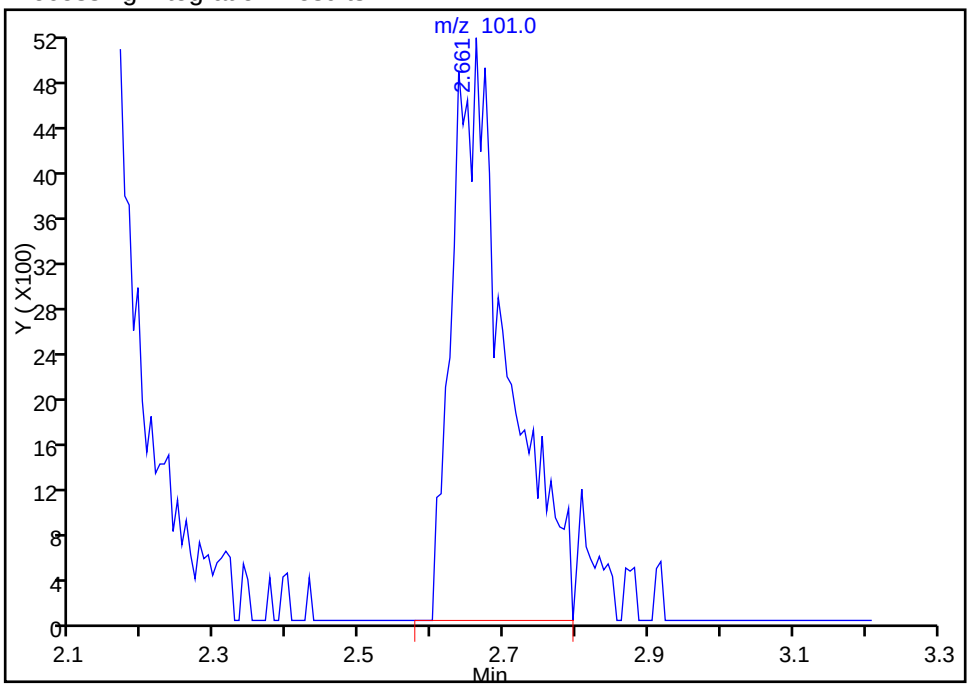
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

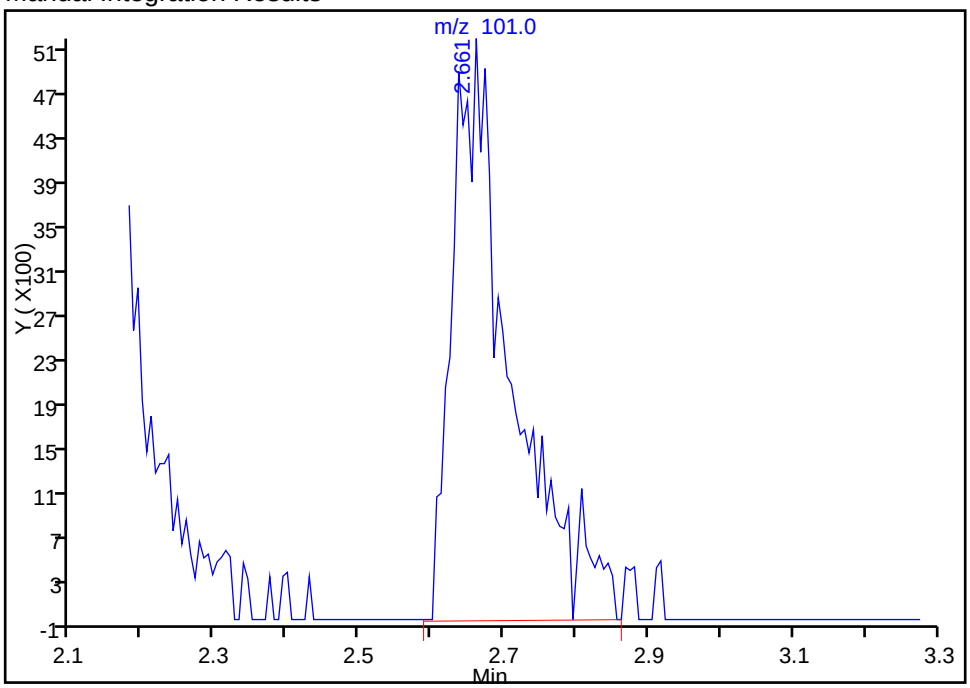
Processing Integration Results

RT: 2.66
Area: 27349
Amount: 5.035150
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 29420
Amount: 5.348460
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

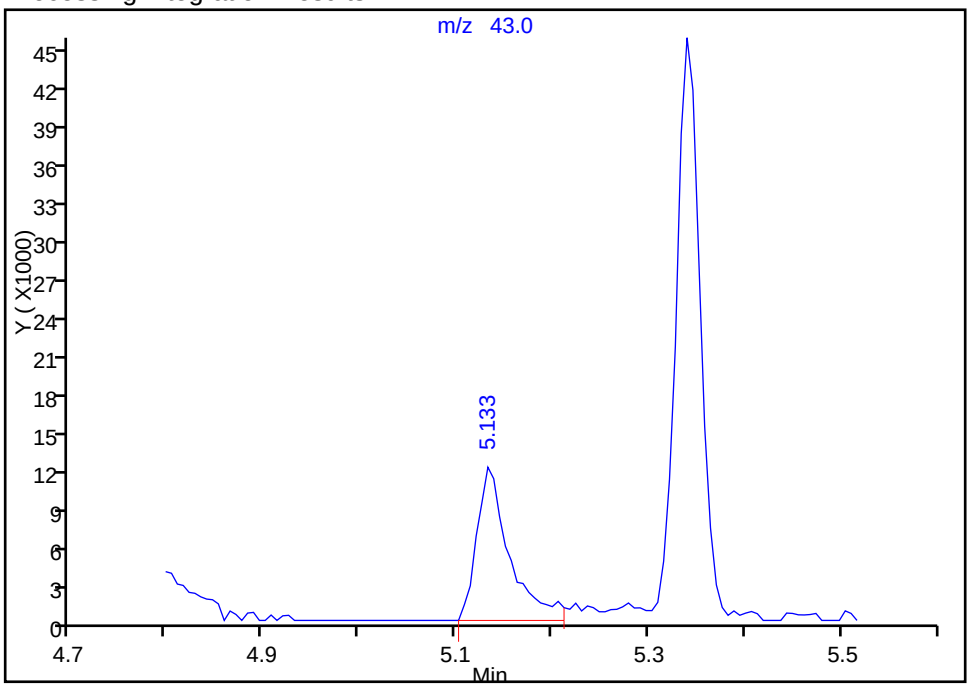
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

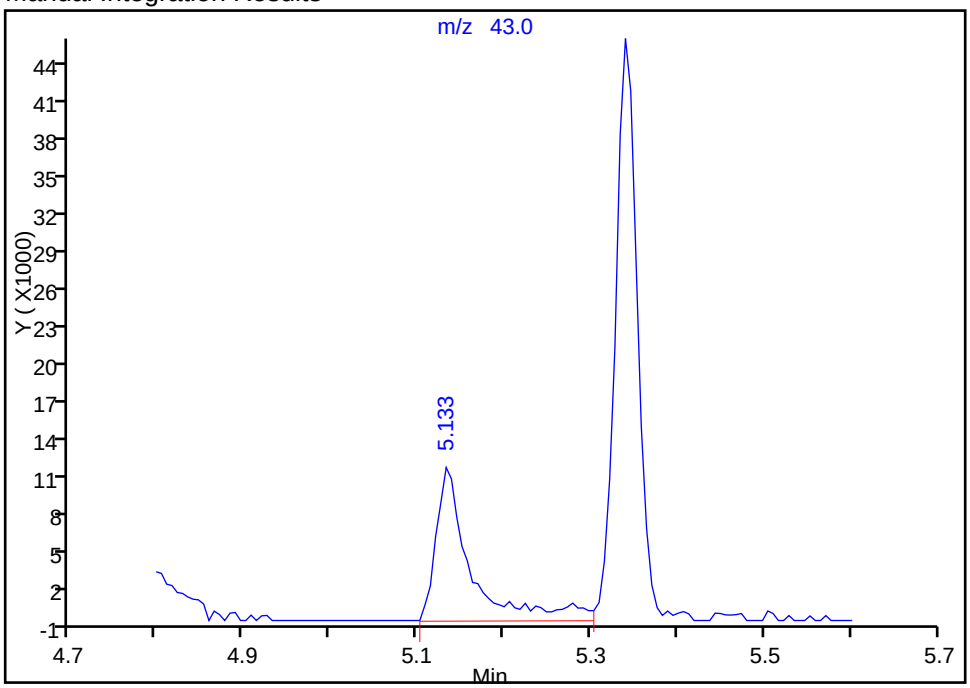
Processing Integration Results

RT: 5.13
Area: 28388
Amount: 86.726796
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 34019
Amount: 98.139275
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:38:06
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Dec-2015 15:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049002-008
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:04 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:12:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	140928	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	311880	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	89	325116	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.804	0.000	80	173046	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118182	27.2	27.0	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	743834	27.2	27.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	235976	27.2	26.8	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	81	69208	10.0	9.55	
12 Chloromethane	50	1.401	1.401	0.000	89	133830	10.0	9.61	
13 Vinyl chloride	62	1.505	1.505	0.000	77	69560	10.0	9.29	
151 Butadiene	54	1.529	1.529	0.000	87	81136	10.0	8.96	
14 Bromomethane	94	1.797	1.797	0.000	65	22185	10.0	9.69	
15 Chloroethane	64	1.919	1.919	0.000	76	29425	10.0	9.15	
16 Dichlorofluoromethane	67	2.126	2.126	0.000	77	80991	10.0	10.1	
17 Trichlorofluoromethane	101	2.138	2.138	0.000	46	61742	10.0	9.18	
18 Ethyl ether	59	2.418	2.418	0.000	90	82317	10.0	10.1	
20 Acrolein	56	2.582	2.582	0.000	95	75488	50.0	48.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	25	55139	10.0	9.84	
22 1,1-Dichloroethene	96	2.655	2.655	0.000	76	61561	10.0	9.71	
23 Acetone	43	2.741	2.741	0.000	97	127327	50.0	48.5	
25 Iodomethane	142	2.820	2.820	0.000	95	66852	10.0	9.41	
26 Carbon disulfide	76	2.850	2.850	0.000	98	172823	10.0	9.49	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	82	129876	10.0	9.90	
27 Methyl acetate	43	3.045	3.045	0.000	97	346679	50.0	51.3	
30 Methylene Chloride	84	3.173	3.173	0.000	90	70360	10.0	10.4	
31 2-Methyl-2-propanol	59	3.307	3.307	0.000	92	62657	100.0	89.6	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	91	184602	10.0	10.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	63618	10.0	9.72	
33 Acrylonitrile	53	3.404	3.404	0.000	98	371449	100.0	102.3	
35 Hexane	57	3.593	3.593	0.000	94	137879	10.0	9.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	83	140899	10.0	9.90	
37 Vinyl acetate	43	3.849	3.849	0.000	97	330701	20.0	18.7	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	78	50817	10.0	10.0	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	72491	10.0	10.1	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	205030	50.0	49.3	
48 Chlorobromomethane	128	4.573	4.573	0.000	85	36683	10.0	9.88	
49 Tetrahydrofuran	42	4.610	4.610	0.000	91	60220	20.0	19.2	
50 Chloroform	83	4.658	4.658	0.000	82	109266	10.0	9.99	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	84	76296	10.0	9.71	
52 Cyclohexane	56	4.804	4.804	0.000	65	157217	10.0	9.29	
55 Carbon tetrachloride	117	4.926	4.926	0.000	71	67472	10.0	9.27	
54 1,1-Dichloropropene	75	4.932	4.932	0.000	83	87248	10.0	9.80	
53 Isobutyl alcohol	43	5.133	5.133	0.000	47	76362	250.0	216.3	M
57 Benzene	78	5.133	5.133	0.000	93	256205	10.0	10.1	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	115208	10.0	10.0	
59 n-Heptane	43	5.340	5.340	0.000	96	140157	10.0	9.16	
62 Trichloroethene	95	5.748	5.748	0.000	84	64031	10.0	9.58	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	103629	10.0	9.14	
65 1,2-Dichloropropane	63	5.973	5.973	0.000	87	78204	10.0	9.94	
67 Dibromomethane	93	6.107	6.107	0.000	85	38116	10.0	10.5	
66 1,4-Dioxane	88	6.125	6.125	0.000	59	12325	200.0	189.7	
68 Dichlorobromomethane	83	6.266	6.266	0.000	86	65702	10.0	9.43	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	86	50460	10.0	9.74	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	74	95452	10.0	9.68	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	426755	50.0	49.9	
74 Toluene	92	6.984	6.984	0.000	93	168561	10.0	9.97	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	83208	10.0	9.59	
75 Ethyl methacrylate	69	7.307	7.307	0.000	88	68795	10.0	9.78	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	46850	10.0	10.0	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	79418	10.0	9.74	
82 1,3-Dichloropropane	76	7.599	7.599	0.000	94	103400	10.0	10.2	
80 2-Hexanone	43	7.666	7.666	0.000	98	288951	50.0	49.8	
83 Chlorodibromomethane	129	7.830	7.830	0.000	77	47612	10.0	9.37	
84 Ethylene Dibromide	107	7.934	7.934	0.000	87	58018	10.0	10.5	
87 Chlorobenzene	112	8.421	8.421	0.000	89	201464	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	39	60788	10.0	10.1	
88 Ethylbenzene	91	8.524	8.524	0.000	98	311438	10.0	10.2	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	127235	10.0	9.79	
91 o-Xylene	106	9.066	9.066	0.000	96	127291	10.0	10.0	
92 Styrene	104	9.096	9.096	0.000	97	208180	10.0	10.2	
95 Bromoform	173	9.328	9.328	0.000	87	21712	10.0	9.18	
94 Isopropylbenzene	105	9.456	9.456	0.000	96	308097	10.0	9.86	
101 Bromobenzene	156	9.790	9.790	0.000	88	88443	10.0	10.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	79	68357	10.0	9.88	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	54	24112	10.0	9.90	
99 N-Propylbenzene	91	9.888	9.888	0.000	96	354350	10.0	9.97	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	30	30971	10.0	9.77	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	78736	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	266907	10.0	9.96	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	84531	10.0	10.0	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	66641	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	62	275797	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	93	324824	10.0	9.69	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	97	173838	10.0	10.2	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	311653	10.0	10.0	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	172541	10.0	10.0	
115 n-Butylbenzene	91	11.118	11.118	0.000	96	244588	10.0	9.81	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	92	170294	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.879	0.000	49	9406	10.0	9.03	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	93	120022	10.0	9.93	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	87	49873	10.0	9.29	
121 Naphthalene	128	12.773	12.773	0.000	96	274641	10.0	9.77	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	92	115758	10.0	10.2	
S 125 1,2-Dichloroethene, Total	1				0			19.8	
S 126 1,3-Dichloropropene, Total	1				0			19.3	
S 123 Total BTEX	1				0			50.1	
S 124 Xylenes, Total	1				0			19.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

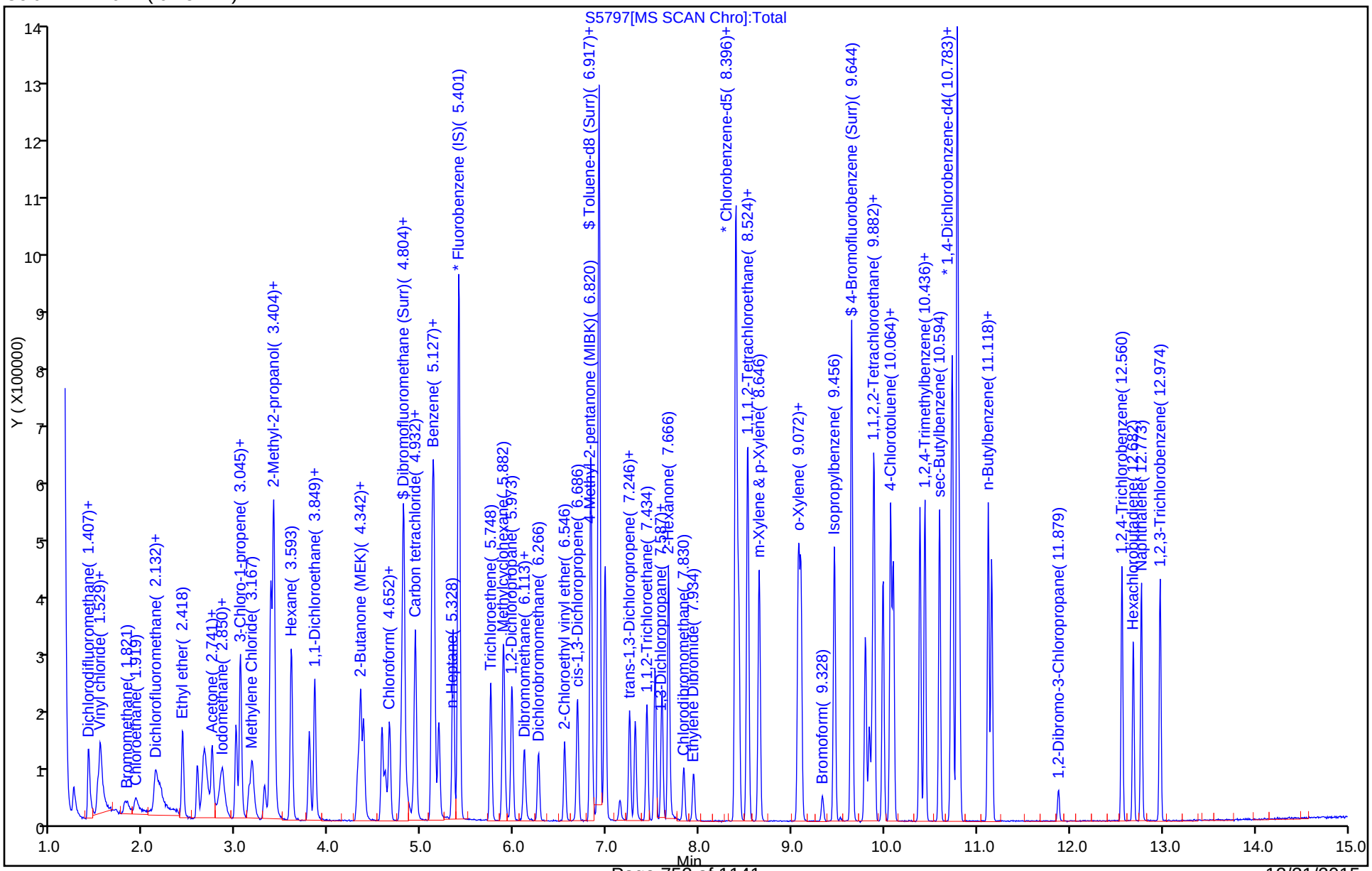
Report Date: 07-Dec-2015 22:59:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D

Injection Date:	07-Dec-2015 15:01:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

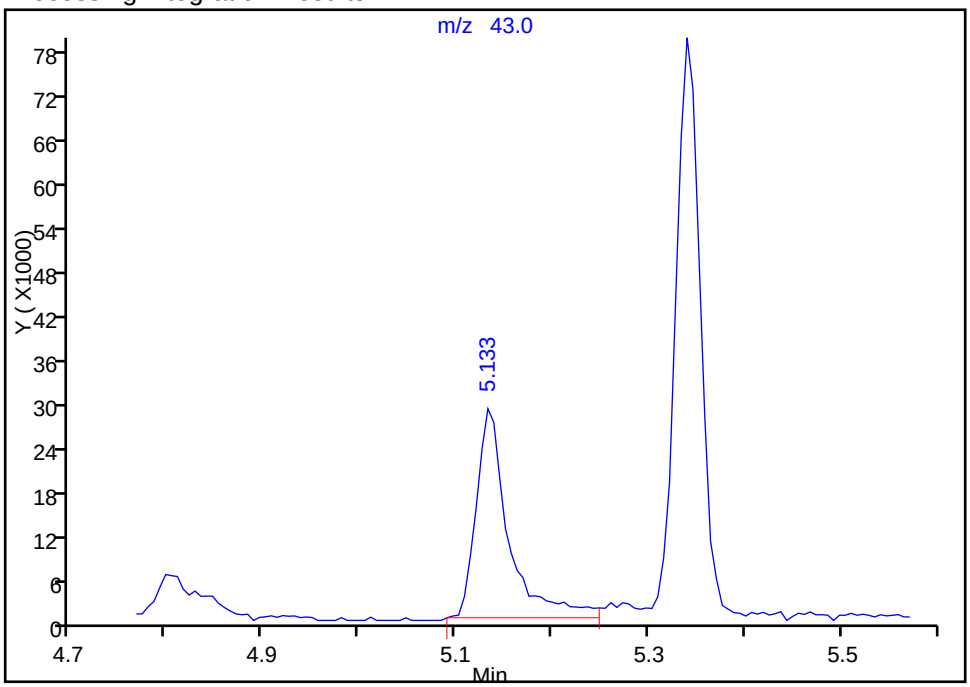
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Injection Date: 07-Dec-2015 15:01:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

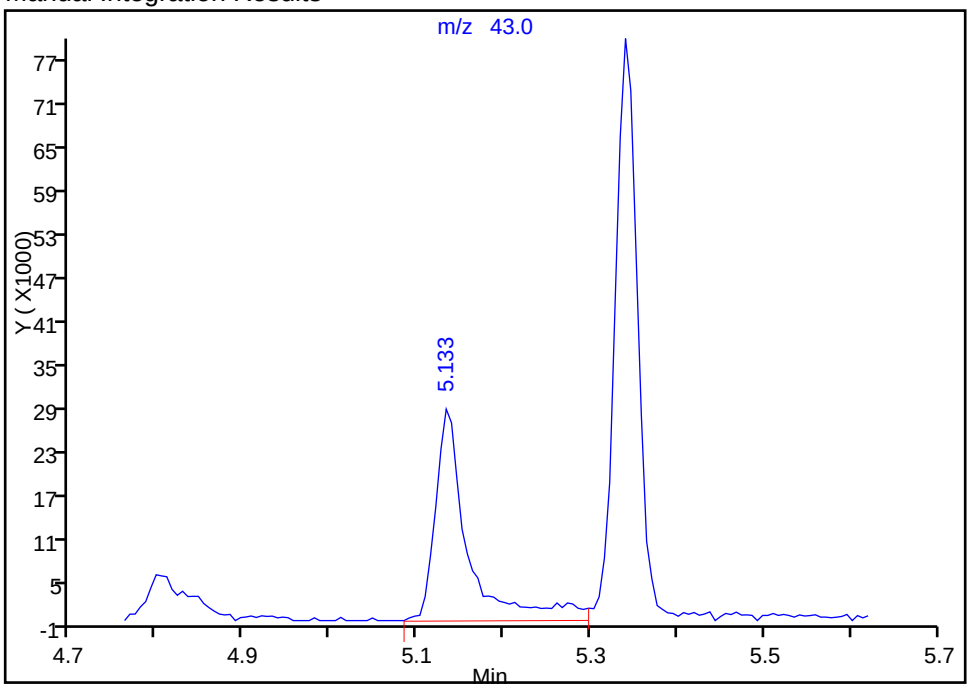
Processing Integration Results

RT: 5.13
Area: 66739
Amount: 195.7226
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 76362
Amount: 216.3168
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:42:58
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Lims ID: ICIS 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Dec-2015 15:24:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0049002-009
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:06 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	141293	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	315294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	72	325064	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	71	174615	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118593	27.2	27.1	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	761118	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	240952	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	87	167752	25.0	23.1	
12 Chloromethane	50	1.407	1.407	0.000	89	333053	25.0	23.9	
13 Vinyl chloride	62	1.505	1.505	0.000	81	179662	25.0	23.9	
151 Butadiene	54	1.535	1.535	0.000	88	202402	25.0	22.3	
14 Bromomethane	94	1.797	1.797	0.000	86	54107	25.0	23.6	
15 Chloroethane	64	1.919	1.919	0.000	88	71541	25.0	22.6	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	79	202648	25.0	25.3	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	58	165837	25.0	24.6	
18 Ethyl ether	59	2.424	2.424	0.000	97	202216	25.0	24.8	
20 Acrolein	56	2.582	2.582	0.000	96	195663	125.0	124.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	40	129487	25.0	23.1	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	79	152549	25.0	24.0	
23 Acetone	43	2.741	2.741	0.000	100	325776	125.0	123.9	
25 Iodomethane	142	2.820	2.820	0.000	97	169677	25.0	23.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	442319	25.0	24.2	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	84	320400	25.0	24.4	
27 Methyl acetate	43	3.045	3.045	0.000	97	874197	125.0	128.9	
30 Methylene Chloride	84	3.179	3.179	0.000	88	163870	25.0	25.0	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	96	176036	250.0	251.2	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	93	455171	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	162176	25.0	24.7	
33 Acrylonitrile	53	3.404	3.404	0.000	98	937951	250.0	257.8	
35 Hexane	57	3.599	3.599	0.000	94	339893	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	349138	25.0	24.5	
37 Vinyl acetate	43	3.849	3.849	0.000	97	906140	50.0	51.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	127274	25.0	25.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	176801	25.0	24.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	521469	125.0	125.1	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	94337	25.0	25.3	
49 Tetrahydrofuran	42	4.603	4.603	0.000	92	151679	50.0	48.3	
50 Chloroform	83	4.652	4.652	0.000	83	273346	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	188231	25.0	23.9	
52 Cyclohexane	56	4.804	4.804	0.000	91	386557	25.0	22.8	
55 Carbon tetrachloride	117	4.926	4.926	0.000	73	173413	25.0	23.8	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	88	216695	25.0	24.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	53	220608	625.0	623.3	M
57 Benzene	78	5.133	5.133	0.000	94	634777	25.0	25.0	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	279571	25.0	24.3	
59 n-Heptane	43	5.340	5.340	0.000	96	354291	25.0	23.1	
62 Trichloroethene	95	5.748	5.748	0.000	89	164967	25.0	24.6	
64 Methylcyclohexane	83	5.882	5.882	0.000	96	262907	25.0	23.1	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	194453	25.0	24.6	
67 Dibromomethane	93	6.107	6.107	0.000	88	91319	25.0	25.1	
66 1,4-Dioxane	88	6.119	6.119	0.000	46	33462	500.0	509.5	M
68 Dichlorobromomethane	83	6.265	6.265	0.000	90	173441	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	91	131120	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	83	253766	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	1103729	125.0	127.5	
74 Toluene	92	6.984	6.984	0.000	95	416198	25.0	24.3	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	221802	25.0	25.3	
75 Ethyl methacrylate	69	7.306	7.306	0.000	92	183114	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	114567	25.0	24.2	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	196259	25.0	23.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	251020	25.0	24.6	
80 2-Hexanone	43	7.666	7.666	0.000	98	769332	125.0	131.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	85	129665	25.0	25.2	
84 Ethylene Dibromide	107	7.934	7.934	0.000	96	147160	25.0	26.3	
87 Chlorobenzene	112	8.421	8.421	0.000	93	489503	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	40	156892	25.0	25.8	
88 Ethylbenzene	91	8.524	8.524	0.000	98	768201	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	319588	25.0	24.3	
91 o-Xylene	106	9.072	9.072	0.000	97	315108	25.0	24.6	
92 Styrene	104	9.096	9.096	0.000	95	520475	25.0	25.2	
95 Bromoform	173	9.328	9.328	0.000	91	62613	25.0	26.2	
94 Isopropylbenzene	105	9.455	9.455	0.000	96	769696	25.0	24.6	
101 Bromobenzene	156	9.796	9.796	0.000	89	218378	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	82	170247	25.0	24.6	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	60	62652	25.0	25.7	
99 N-Propylbenzene	91	9.882	9.882	0.000	97	883134	25.0	24.8	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	33	82663	25.0	26.1	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	195715	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	663249	25.0	24.8	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	206417	25.0	24.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	162497	25.0	25.6	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	682796	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	823426	25.0	24.6	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	424764	25.0	25.0	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	772647	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	93	420148	25.0	24.4	
115 n-Butylbenzene	91	11.117	11.117	0.000	97	626745	25.0	25.1	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	93	405634	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	48	25618	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	293300	25.0	24.3	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	124789	25.0	23.2	
121 Naphthalene	128	12.773	12.773	0.000	96	708276	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	273684	25.0	24.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	12.50	Units: uL	
GAS CORP mix_00125	Amount Added:	12.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

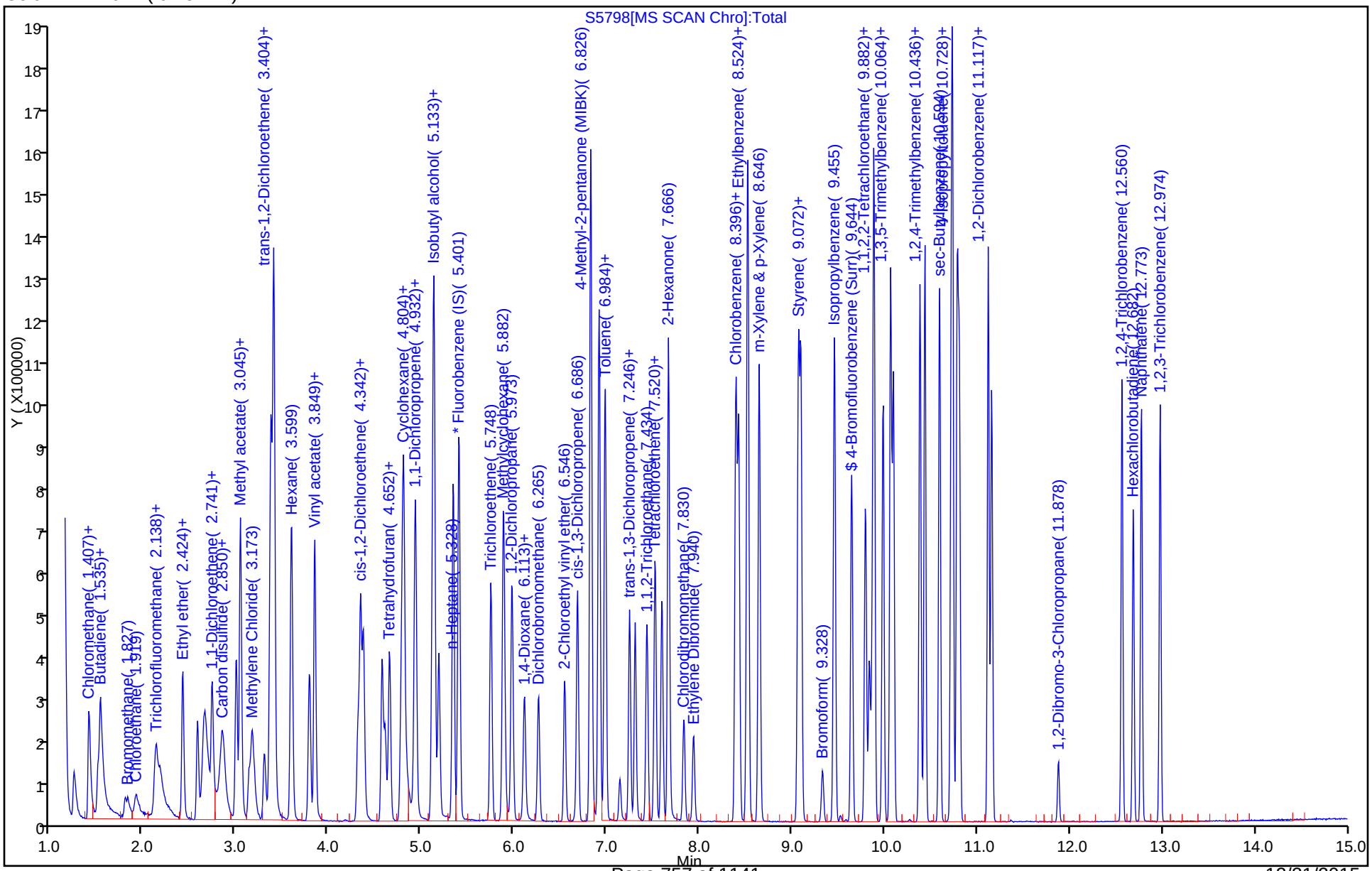
Report Date: 07-Dec-2015 22:59:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D

Injection Date:	07-Dec-2015 15:24:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICIS 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

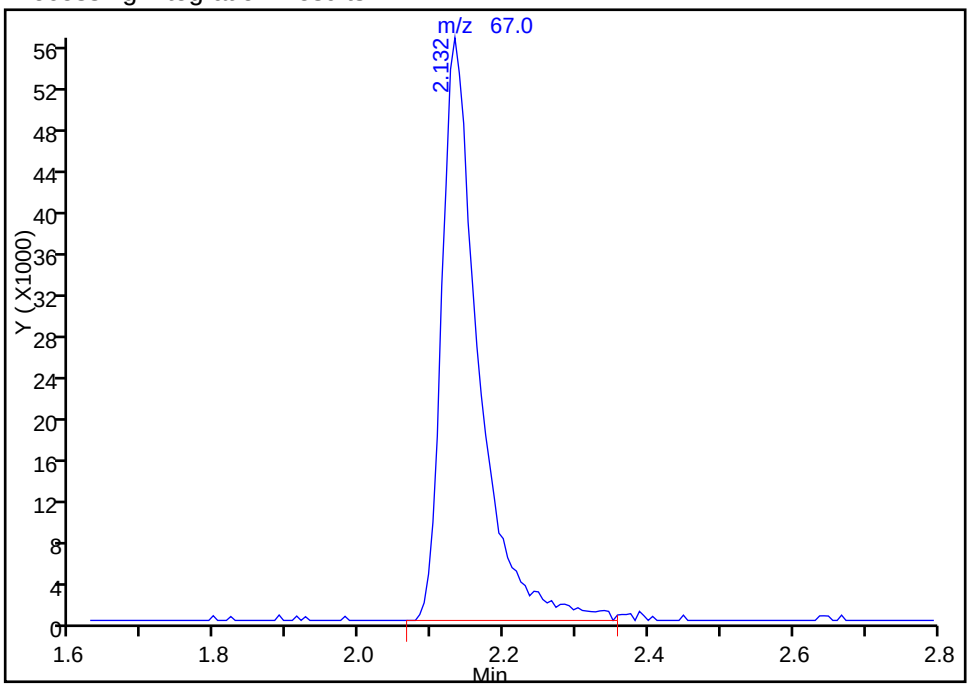
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

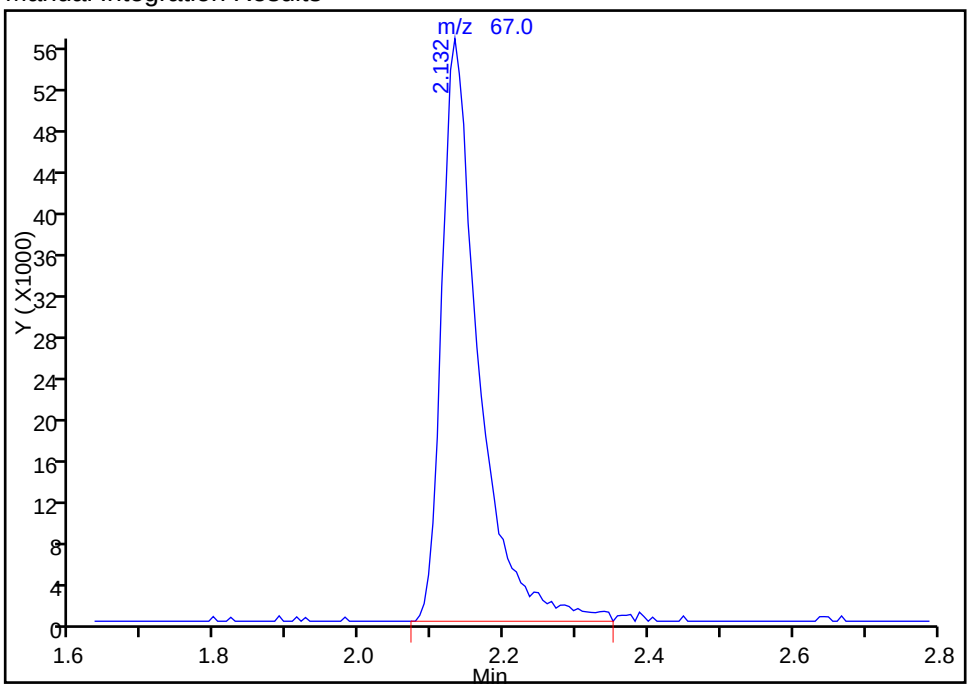
Processing Integration Results

RT: 2.13
Area: 202847
Amount: 24.281576
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 202648
Amount: 25.300133
Amount Units: ug/L



Reviewer: o'briens, 07-Dec-2015 18:22:37
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

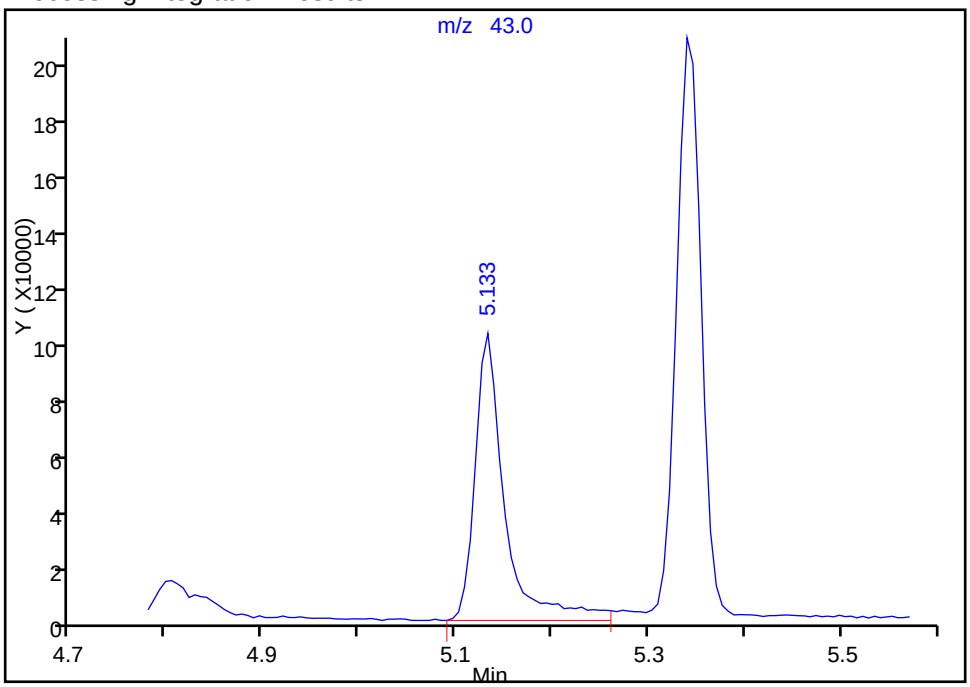
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

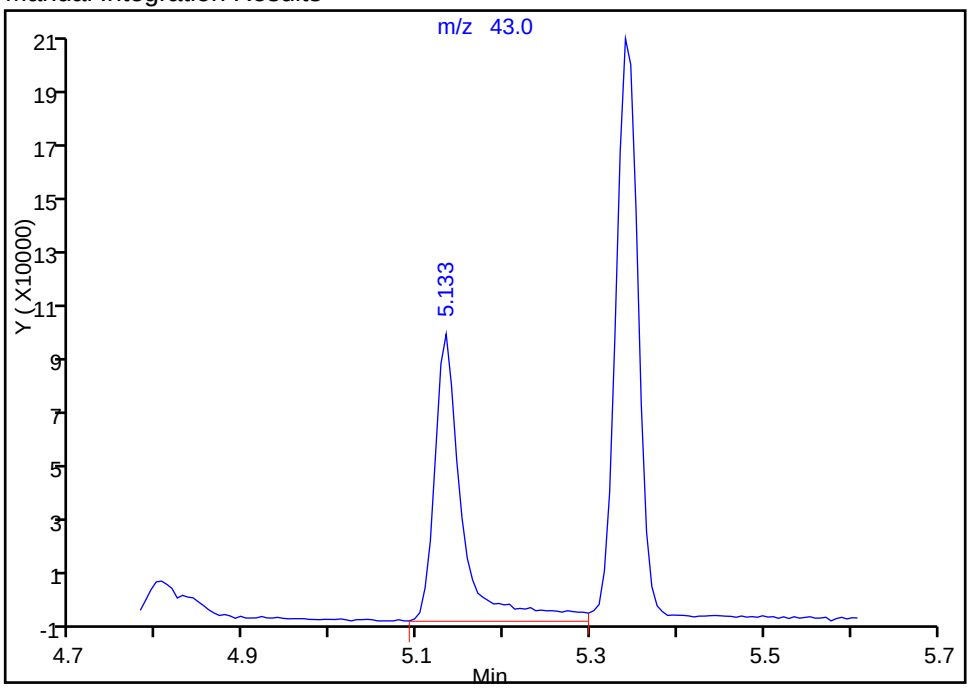
Processing Integration Results

RT: 5.13
Area: 212299
Amount: 609.5241
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 220608
Amount: 623.3198
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

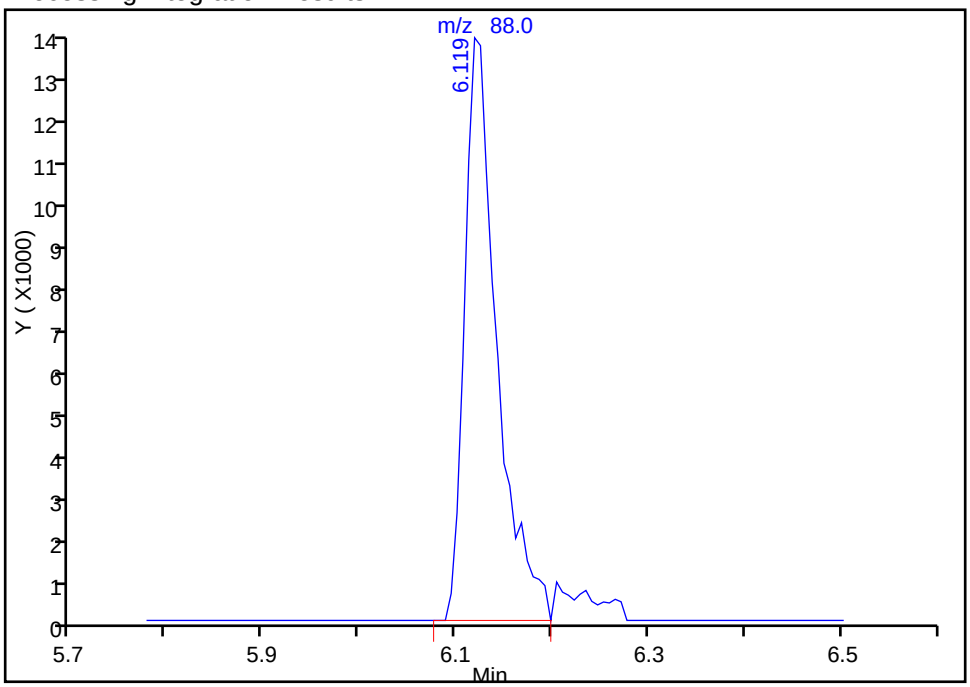
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

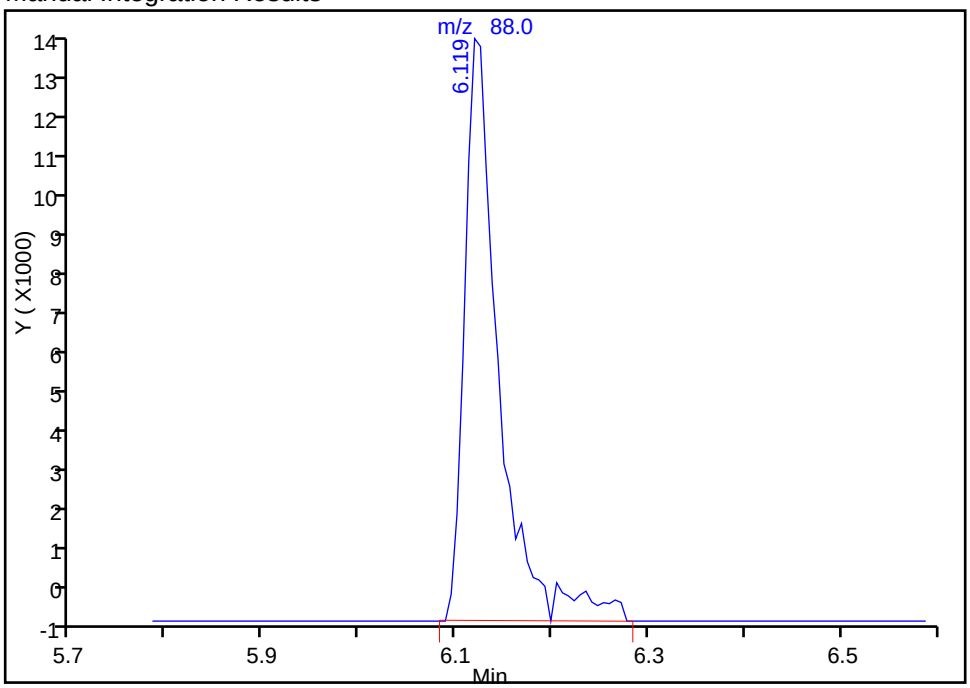
Processing Integration Results

RT: 6.12
Area: 31223
Amount: 480.8678
Amount Units: ug/L



Manual Integration Results

RT: 6.12
Area: 33462
Amount: 509.4945
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Dec-2015 15:47:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0049002-010
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:09 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:19:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	144601	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	319968	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	66	330941	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.000	45	177854	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	119444	27.2	26.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	92	758326	27.2	26.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	244603	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	86	384878	50.0	51.8	
12 Chloromethane	50	1.413	1.407	0.006	89	707401	50.0	49.5	
13 Vinyl chloride	62	1.511	1.505	0.006	81	389881	50.0	50.7	
151 Butadiene	54	1.535	1.535	0.000	86	444921	50.0	47.9	
14 Bromomethane	94	1.821	1.797	0.024	92	114735	50.0	48.8	
15 Chloroethane	64	1.919	1.919	0.000	92	155288	50.0	48.3	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	80	428557	50.0	52.3	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	62	364067	50.0	52.7	
18 Ethyl ether	59	2.424	2.424	0.000	98	410204	50.0	49.1	
20 Acrolein	56	2.582	2.582	0.000	95	412341	250.0	255.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	47	294194	50.0	51.2	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	78	326433	50.0	50.2	
23 Acetone	43	2.741	2.741	0.000	99	666854	250.0	247.8	
25 Iodomethane	142	2.826	2.820	0.006	97	355845	50.0	48.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	919270	50.0	49.2	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	84	654665	50.0	48.6	
27 Methyl acetate	43	3.045	3.045	0.000	97	1788408	250.0	257.7	
30 Methylene Chloride	84	3.173	3.179	-0.006	89	320479	50.0	48.3	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	97	396153	500.0	552.4	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	927310	50.0	49.1	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	326177	50.0	48.6	
33 Acrylonitrile	53	3.404	3.404	0.000	98	1904536	500.0	511.4	
35 Hexane	57	3.593	3.599	-0.006	94	774063	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	711976	50.0	48.8	
37 Vinyl acetate	43	3.849	3.849	0.000	97	1999132	100.0	110.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	260020	50.0	50.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	356979	50.0	48.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	1089965	250.0	255.5	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	188339	50.0	49.5	
49 Tetrahydrofuran	42	4.604	4.603	0.001	93	313782	100.0	97.7	
50 Chloroform	83	4.652	4.652	0.000	83	545719	50.0	48.6	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	405331	50.0	50.3	
52 Cyclohexane	56	4.804	4.804	0.000	92	849146	50.0	48.9	
55 Carbon tetrachloride	117	4.926	4.926	0.000	76	388432	50.0	52.0	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	87	448860	50.0	49.1	
57 Benzene	78	5.133	5.133	0.000	94	1273280	50.0	49.0	
53 Isobutyl alcohol	43	5.133	5.133	0.000	58	515258	1250.0	1422.5	M
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	557623	50.0	47.3	
59 n-Heptane	43	5.340	5.340	0.000	97	795739	50.0	50.7	
62 Trichloroethene	95	5.748	5.748	0.000	90	336443	50.0	49.1	
64 Methylcyclohexane	83	5.888	5.882	0.006	96	594963	50.0	51.2	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	399881	50.0	49.5	
67 Dibromomethane	93	6.107	6.107	0.000	88	181849	50.0	48.8	
66 1,4-Dioxane	88	6.125	6.119	0.006	67	69823	1000.0	1047.6	
68 Dichlorobromomethane	83	6.265	6.265	0.000	91	388124	50.0	54.3	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	89	272104	50.0	51.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	84	529705	50.0	52.3	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	2303686	250.0	262.3	
74 Toluene	92	6.984	6.984	0.000	96	846474	50.0	48.8	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	92	479849	50.0	53.9	
75 Ethyl methacrylate	69	7.307	7.306	0.001	87	398620	50.0	55.2	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	90	231896	50.0	48.3	
81 Tetrachloroethene	166	7.520	7.520	0.000	91	412634	50.0	49.4	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	504839	50.0	48.7	
80 2-Hexanone	43	7.666	7.666	0.000	97	1620695	250.0	272.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	88	291798	50.0	56.0	
84 Ethylene Dibromide	107	7.934	7.934	0.000	97	297386	50.0	52.4	
87 Chlorobenzene	112	8.427	8.421	0.006	94	991172	50.0	48.9	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	330105	50.0	53.5	
88 Ethylbenzene	91	8.524	8.524	0.000	98	1559193	50.0	49.6	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	667091	50.0	50.0	
91 o-Xylene	106	9.072	9.072	0.000	96	650046	50.0	50.0	
92 Styrene	104	9.096	9.096	0.000	95	1059058	50.0	50.6	
95 Bromoform	173	9.328	9.328	0.000	97	151093	50.0	62.3	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	1592966	50.0	50.1	
101 Bromobenzene	156	9.790	9.796	-0.006	90	441115	50.0	49.1	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	353013	50.0	50.1	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	61	123972	50.0	50.0	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	1823439	50.0	50.4	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	170994	50.0	53.0	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	402879	50.0	50.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	96	1366200	50.0	50.1	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	416165	50.0	48.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	341425	50.0	52.9	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	69	1395377	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	1722835	50.0	50.5	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	851308	50.0	49.3	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	1600178	50.0	50.6	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	95	857547	50.0	49.0	
115 n-Butylbenzene	91	11.118	11.117	0.001	97	1306828	50.0	51.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	818524	50.0	48.8	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	75	59301	50.0	55.9	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	605408	50.0	49.2	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	257956	50.0	47.2	
121 Naphthalene	128	12.773	12.773	0.000	97	1470204	50.0	51.4	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	566866	50.0	49.0	
S 125 1,2-Dichloroethene, Total	1				0			97.1	
S 126 1,3-Dichloropropene, Total	1				0			106.2	
S 123 Total BTEX	1				0			247.4	
S 124 Xylenes, Total	1				0			100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL		
GAS CORP mix_00125	Amount Added: 25.00	Units: uL		
S_8260_IS_00130	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00113	Amount Added: 1.00	Units: uL	Run Reagent	

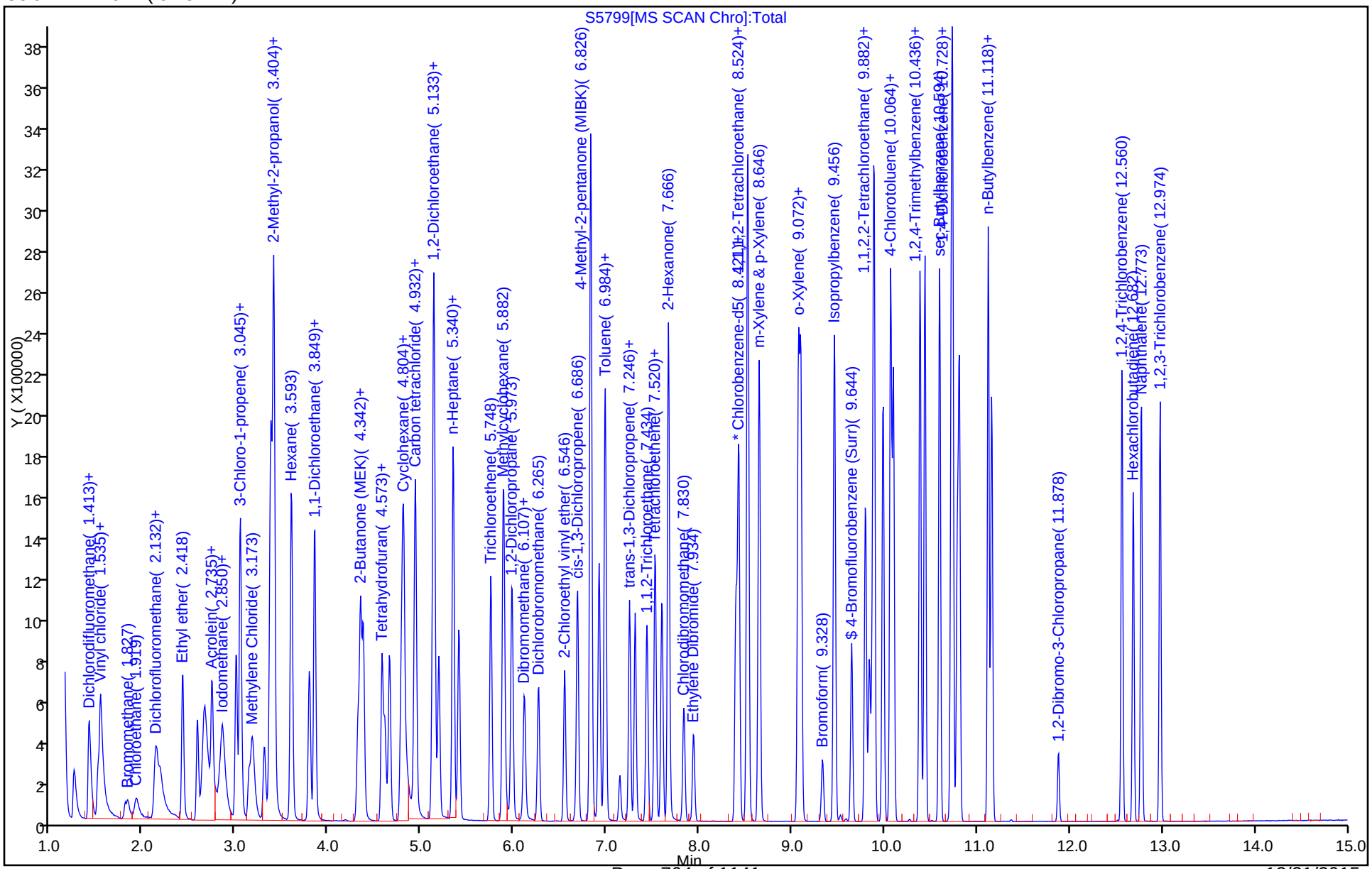
Report Date: 07-Dec-2015 22:59:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D

Injection Date:	07-Dec-2015 15:47:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

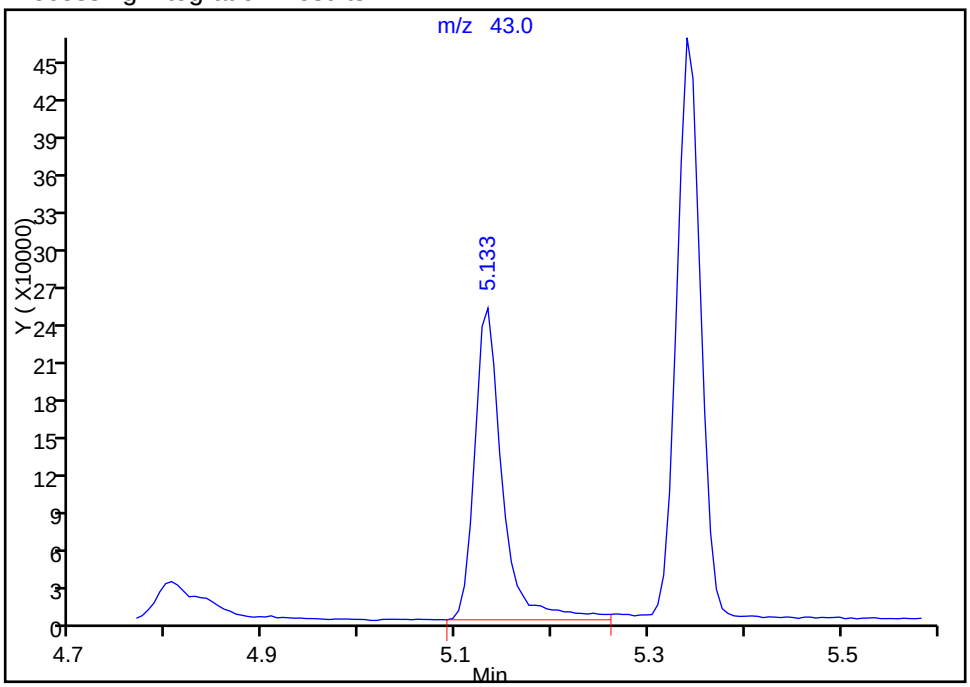
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Injection Date: 07-Dec-2015 15:47:30 Instrument ID: HP5973S
Lims ID: IC 5
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

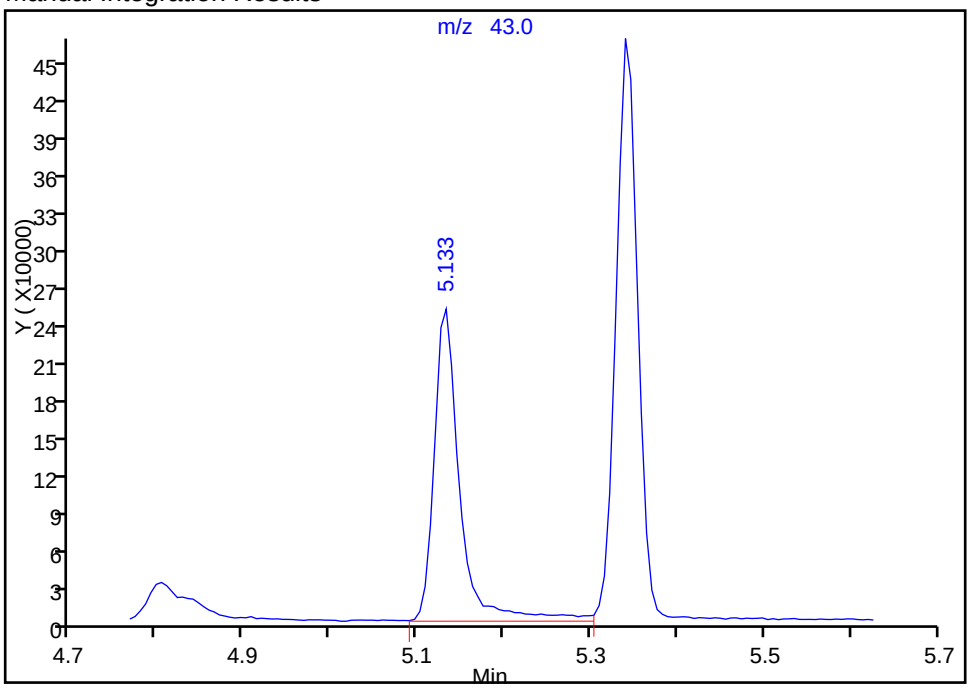
Processing Integration Results

RT: 5.13
Area: 499020
Amount: 1391.0932
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 515258
Amount: 1422.5376
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:45:29
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Dec-2015 16:09:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049002-011
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:10 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:28:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	137826	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	301847	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	37	314709	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.001	32	170114	27.2	27.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	113208	27.2	26.5	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	733388	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	238419	27.2	28.0	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	87	732166	100.0	103.3	
12 Chloromethane	50	1.407	1.407	0.000	88	1359630	100.0	99.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	767389	100.0	104.8	
151 Butadiene	54	1.535	1.535	0.000	85	919655	100.0	103.8	
14 Bromomethane	94	1.797	1.797	0.000	89	233914	100.0	104.5	
15 Chloroethane	64	1.919	1.919	0.000	92	319861	100.0	104.7	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	81	839254	100.0	107.4	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	69	711886	100.0	108.2	
18 Ethyl ether	59	2.418	2.424	-0.006	97	814181	100.0	102.3	
20 Acrolein	56	2.576	2.582	-0.006	96	824014	500.0	535.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.655	2.649	0.006	44	574499	100.0	104.9	
22 1,1-Dichloroethene	96	2.662	2.661	0.001	79	639416	100.0	103.2	
23 Acetone	43	2.735	2.741	-0.006	100	1294453	500.0	504.6	
25 Iodomethane	142	2.814	2.820	-0.006	97	790710	100.0	113.7	
26 Carbon disulfide	76	2.850	2.850	0.000	99	1850817	100.0	104.0	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	85	1251259	100.0	97.5	
27 Methyl acetate	43	3.039	3.045	-0.006	97	3501767	500.0	529.4	
30 Methylene Chloride	84	3.167	3.179	-0.012	87	635449	100.0	101.2	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	97	831957	1000.0	1217.1	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	1798787	100.0	100.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	629624	100.0	98.4	
33 Acrylonitrile	53	3.404	3.404	0.000	98	3721025	1000.0	1048.3	
35 Hexane	57	3.593	3.599	-0.006	94	1490572	100.0	103.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	1388492	100.0	99.8	
37 Vinyl acetate	43	3.843	3.849	-0.006	97	4048027	200.0	233.9	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	87	507948	100.0	102.7	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	685068	100.0	97.8	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	2186412	500.0	537.6	
48 Chlorobromomethane	128	4.573	4.573	0.000	87	358803	100.0	98.8	
49 Tetrahydrofuran	42	4.604	4.603	0.001	94	626974	200.0	204.8	
50 Chloroform	83	4.652	4.652	0.000	83	1062310	100.0	99.3	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	91	806655	100.0	105.0	
52 Cyclohexane	56	4.804	4.804	0.000	91	1745813	100.0	105.5	
55 Carbon tetrachloride	117	4.926	4.926	0.000	75	780531	100.0	109.6	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	85	864665	100.0	99.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	64	1081037	2500.0	3131.3	M
57 Benzene	78	5.133	5.133	0.000	93	2374990	100.0	95.8	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	1074152	100.0	95.6	
59 n-Heptane	43	5.340	5.340	0.000	97	1514477	100.0	101.3	
62 Trichloroethene	95	5.748	5.748	0.000	90	654158	100.0	100.1	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	1158878	100.0	104.5	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	89	783659	100.0	101.8	
67 Dibromomethane	93	6.107	6.107	0.000	87	350847	100.0	98.8	
66 1,4-Dioxane	88	6.119	6.119	0.000	52	134550	2000.0	2139.9	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	91	779182	100.0	114.4	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	88	541526	100.0	106.9	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	85	1040474	100.0	107.9	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	97	4467025	500.0	539.2	
74 Toluene	92	6.984	6.984	0.000	98	1629513	100.0	99.5	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	953423	100.0	113.5	
75 Ethyl methacrylate	69	7.307	7.306	0.001	88	802412	100.0	117.9	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	446618	100.0	98.6	
81 Tetrachloroethene	166	7.526	7.520	0.006	92	787428	100.0	99.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	976493	100.0	99.9	
80 2-Hexanone	43	7.666	7.666	0.000	80	3168492	500.0	563.9	
83 Chlorodibromomethane	129	7.830	7.830	0.000	89	626312	100.0	127.4	
84 Ethylene Dibromide	107	7.940	7.934	0.006	99	581097	100.0	108.5	
87 Chlorobenzene	112	8.427	8.421	0.006	94	1886737	100.0	98.8	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	658067	100.0	113.0	
88 Ethylbenzene	91	8.524	8.524	0.000	97	2945674	100.0	99.3	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	1276629	100.0	101.5	
91 o-Xylene	106	9.072	9.072	0.000	96	1249533	100.0	101.9	
92 Styrene	104	9.096	9.096	0.000	95	2015443	100.0	102.1	
95 Bromoform	173	9.328	9.328	0.000	98	345799	100.0	151.1	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	3037383	100.0	100.4	
101 Bromobenzene	156	9.797	9.796	0.001	88	851016	100.0	99.7	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	696118	100.0	104.0	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	63	242757	100.0	102.9	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	3410446	100.0	99.1	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	361615	100.0	117.8	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	770020	100.0	101.9	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	2586418	100.0	99.7	
105 4-Chlorotoluene	126	10.095	10.095	0.000	97	811729	100.0	99.3	
106 tert-Butylbenzene	134	10.381	10.381	0.000	93	652188	100.0	106.3	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	2624879	100.0	99.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	3215691	100.0	99.1	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	1611103	100.0	98.1	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	2985715	100.0	99.3	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	1636702	100.0	98.3	
115 n-Butylbenzene	91	11.118	11.117	0.001	96	2426545	100.0	100.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	1567356	100.0	98.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.007	82	129795	100.0	128.7	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	1174572	100.0	100.4	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	95	505418	100.0	97.2	
121 Naphthalene	128	12.773	12.773	0.000	97	2943541	100.0	108.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	1111686	100.0	101.1	
S 125 1,2-Dichloroethene, Total	1				0			196.1	
S 126 1,3-Dichloropropene, Total	1				0			221.4	
S 123 Total BTEX	1				0			498.1	
S 124 Xylenes, Total	1				0			203.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	50.00	Units: uL	
GAS CORP mix_00125	Amount Added:	50.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

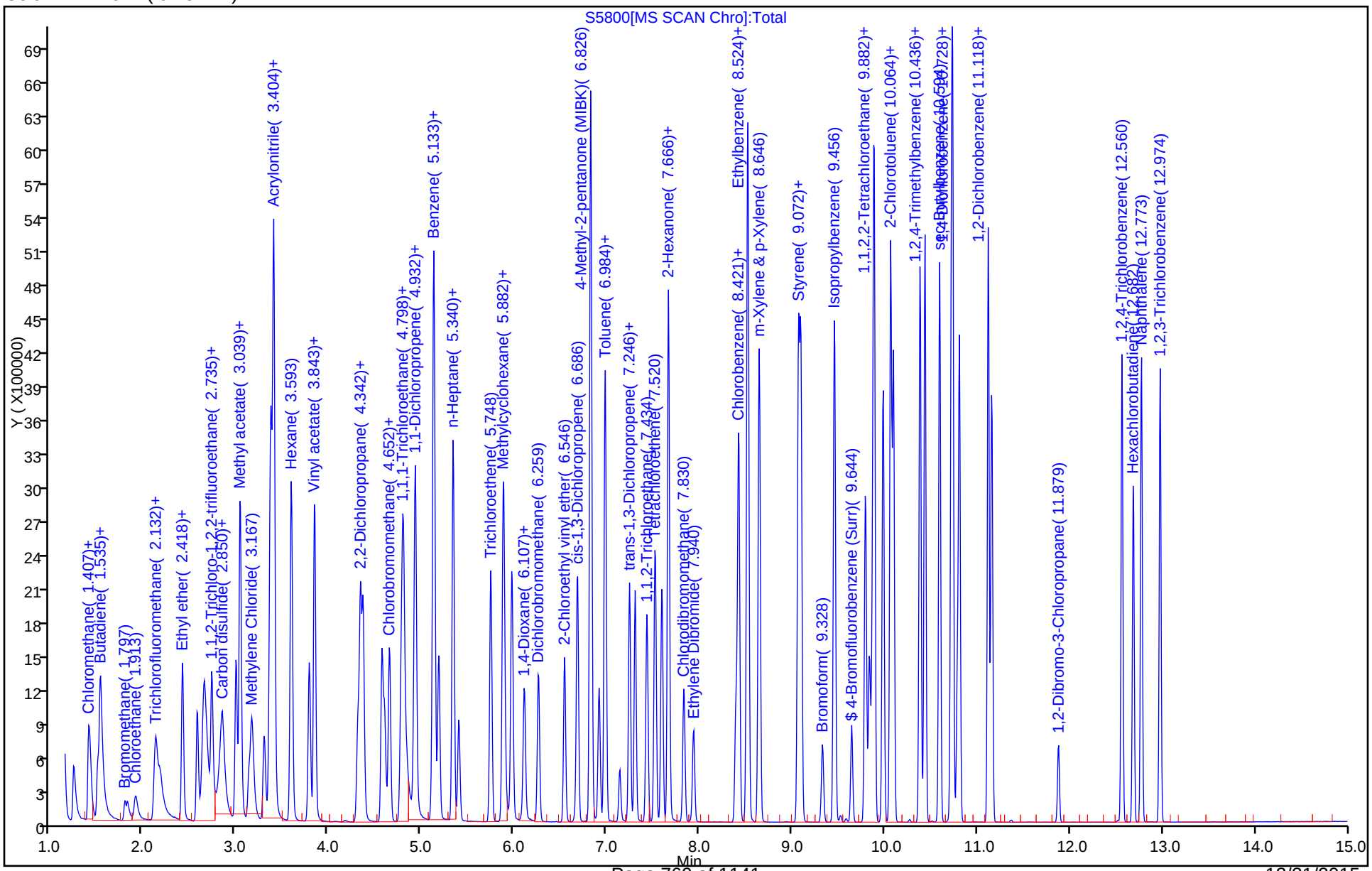
Report Date: 07-Dec-2015 22:59:11 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D

Injection Date:	07-Dec-2015 16:09:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

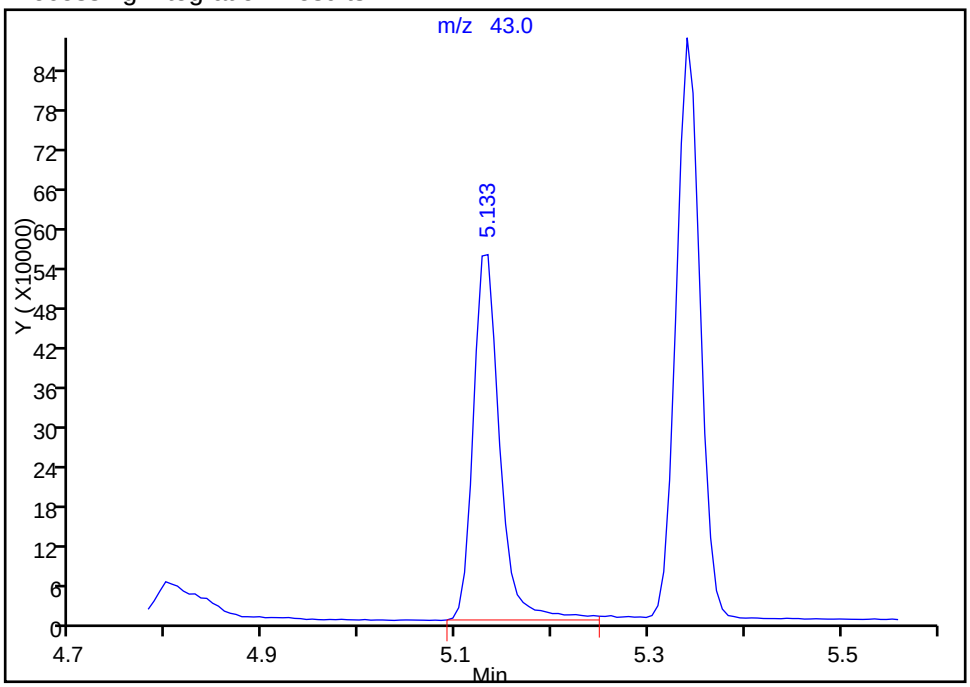
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Injection Date: 07-Dec-2015 16:09:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

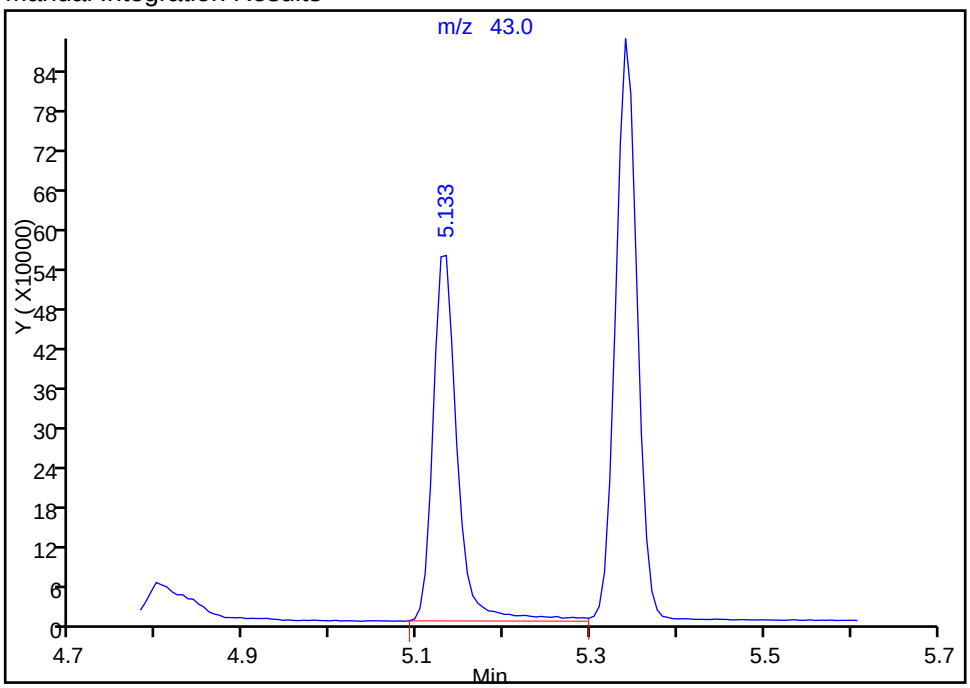
Processing Integration Results

RT: 5.13
Area: 1062160
Amount: 3087.8422
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 1081037
Amount: 3131.2643
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:46:28
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Dec-2015 16:55:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MDLV
Misc. Info.: 480-0049002-013
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:14 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:27:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	135202	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.396	-0.006	89	312613	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	95	322469	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.810	-0.006	80	167995	27.2	27.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118176	27.2	28.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	95	737390	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	88	237257	27.2	26.9	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	25	6613	1.00	0.9511	
12 Chloromethane	50	1.401	1.407	-0.006	82	13098	1.00	0.9804	
13 Vinyl chloride	62	1.505	1.505	0.000	19	7198	1.00	1.00	M
151 Butadiene	54	1.529	1.535	-0.006	78	10411	1.00	1.20	
14 Bromomethane	94	1.821	1.797	0.024	1	2469	1.00	1.12	M
15 Chloroethane	64	1.919	1.919	0.000	36	5032	1.00	1.39	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	20	6231	1.00	0.8130	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	24	5884	1.00	0.9116	
18 Ethyl ether	59	2.418	2.424	-0.006	76	8660	1.00	1.11	
20 Acrolein	56	2.582	2.582	0.000	64	7614	5.00	5.05	
21 1,1,2-Trichloro-1,2,2-trif	101	2.662	2.649	0.013	1	5113	1.00	0.9514	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	50	5862	1.00	0.9641	
23 Acetone	43	2.741	2.741	0.000	87	13871	5.00	5.51	
25 Iodomethane	142	2.808	2.820	-0.012	46	7480	1.00	1.10	M
26 Carbon disulfide	76	2.844	2.850	-0.006	63	19097	1.00	1.09	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	78	15011	1.00	1.19	
27 Methyl acetate	43	3.051	3.045	0.006	97	33957	5.00	5.23	
30 Methylene Chloride	84	3.167	3.179	-0.012	68	9996	1.00	0.9543	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	78	6369	10.0	9.50	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	83	18482	1.00	1.05	
34 trans-1,2-Dichloroethene	96	3.374	3.380	-0.006	69	6733	1.00	1.07	
33 Acrylonitrile	53	3.410	3.404	0.006	96	36255	10.0	10.4	
35 Hexane	57	3.593	3.599	-0.006	84	15020	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	47	15197	1.00	1.11	
37 Vinyl acetate	43	3.849	3.849	0.000	94	30225	2.00	1.78	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	50	4345	1.00	0.8953	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	33	7253	1.00	1.06	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	88	19526	5.00	4.89	
48 Chlorobromomethane	128	4.573	4.573	0.000	64	3560	1.00	1.00	
49 Tetrahydrofuran	42	4.616	4.603	0.013	85	6956	2.00	2.32	
50 Chloroform	83	4.658	4.652	0.006	55	11272	1.00	1.07	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	12	7522	1.00	1.00	
52 Cyclohexane	56	4.804	4.804	0.000	14	17900	1.00	1.10	
55 Carbon tetrachloride	117	4.926	4.926	0.000	57	7184	1.00	1.03	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	69	8990	1.00	1.05	
53 Isobutyl alcohol	43	5.133	5.133	0.000	16	8143	25.0	24.0	
57 Benzene	78	5.133	5.133	0.000	66	25278	1.00	1.04	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	40	11969	1.00	1.09	
59 n-Heptane	43	5.346	5.340	0.006	85	15574	1.00	1.06	
62 Trichloroethene	95	5.748	5.748	0.000	67	7199	1.00	1.12	
64 Methylcyclohexane	83	5.882	5.882	0.000	74	11222	1.00	1.03	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	55	7838	1.00	1.04	
67 Dibromomethane	93	6.107	6.107	0.000	67	3681	1.00	1.06	
66 1,4-Dioxane	88	6.125	6.119	0.006	0	1390	20.0	21.3	M
68 Dichlorobromomethane	83	6.259	6.265	-0.006	45	6152	1.00	0.9205	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	27	4816	1.00	0.9692	
72 cis-1,3-Dichloropropene	75	6.679	6.686	-0.007	51	9288	1.00	0.9815	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	91	39518	5.00	4.61	
74 Toluene	92	6.984	6.984	0.000	69	17324	1.00	1.02	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	50	7772	1.00	0.8933	
75 Ethyl methacrylate	69	7.307	7.306	0.001	45	5988	1.00	0.8493	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	44	5225	1.00	1.11	
81 Tetrachloroethene	166	7.520	7.520	0.000	63	8336	1.00	1.02	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	69	10430	1.00	1.03	
80 2-Hexanone	43	7.672	7.666	0.006	91	23708	5.00	4.07	
83 Chlorodibromomethane	129	7.830	7.830	0.000	21	4289	1.00	0.8421	
84 Ethylene Dibromide	107	7.934	7.934	0.000	33	4267	1.00	0.7692	
87 Chlorobenzene	112	8.427	8.421	0.006	38	20023	1.00	1.01	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	18	4798	1.00	0.7953	
88 Ethylbenzene	91	8.524	8.524	0.000	81	30032	1.00	0.9778	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	13220	1.00	1.01	
91 o-Xylene	106	9.066	9.072	-0.006	85	12418	1.00	0.9775	
92 Styrene	104	9.096	9.096	0.000	61	19725	1.00	0.9645	
95 Bromoform	173	9.334	9.328	0.006	11	2202	1.00	0.9288	
94 Isopropylbenzene	105	9.456	9.455	0.001	74	31400	1.00	1.01	
101 Bromobenzene	156	9.790	9.796	-0.006	50	9180	1.00	1.05	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	22	7132	1.00	1.04	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	51	2239	1.00	0.9266	
99 N-Propylbenzene	91	9.888	9.882	0.006	84	35048	1.00	0.99	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	4	2669	1.00	0.8488	
103 2-Chlorotoluene	126	9.985	9.985	0.000	87	8049	1.00	1.04	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	83	26580	1.00	1.00	
105 4-Chlorotoluene	126	10.095	10.095	0.000	79	8559	1.00	1.02	
106 tert-Butylbenzene	134	10.381	10.381	0.000	70	5521	1.00	0.8783	
107 1,2,4-Trimethylbenzene	105	10.430	10.436	-0.006	48	26822	1.00	0.9877	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	73	33715	1.00	1.01	
111 1,3-Dichlorobenzene	146	10.716	10.722	-0.006	77	18143	1.00	1.08	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	85	30093	1.00	0.9770	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	13	18718	1.00	1.10	
115 n-Butylbenzene	91	11.118	11.117	0.001	74	23770	1.00	0.9608	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	77	16891	1.00	1.03	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.006	1	889	1.00	0.8602	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	65	12342	1.00	1.03	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	55	6836	1.00	1.28	
121 Naphthalene	128	12.773	12.773	0.000	82	26740	1.00	0.9589	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	68	11395	1.00	1.01	
S 125 1,2-Dichloroethene, Total	1				0			2.13	
S 126 1,3-Dichloropropene, Total	1				0			1.87	
S 123 Total BTEX	1				0			5.03	
S 124 Xylenes, Total	1				0			1.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
GAS CORP mix_00125	Amount Added:	1.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

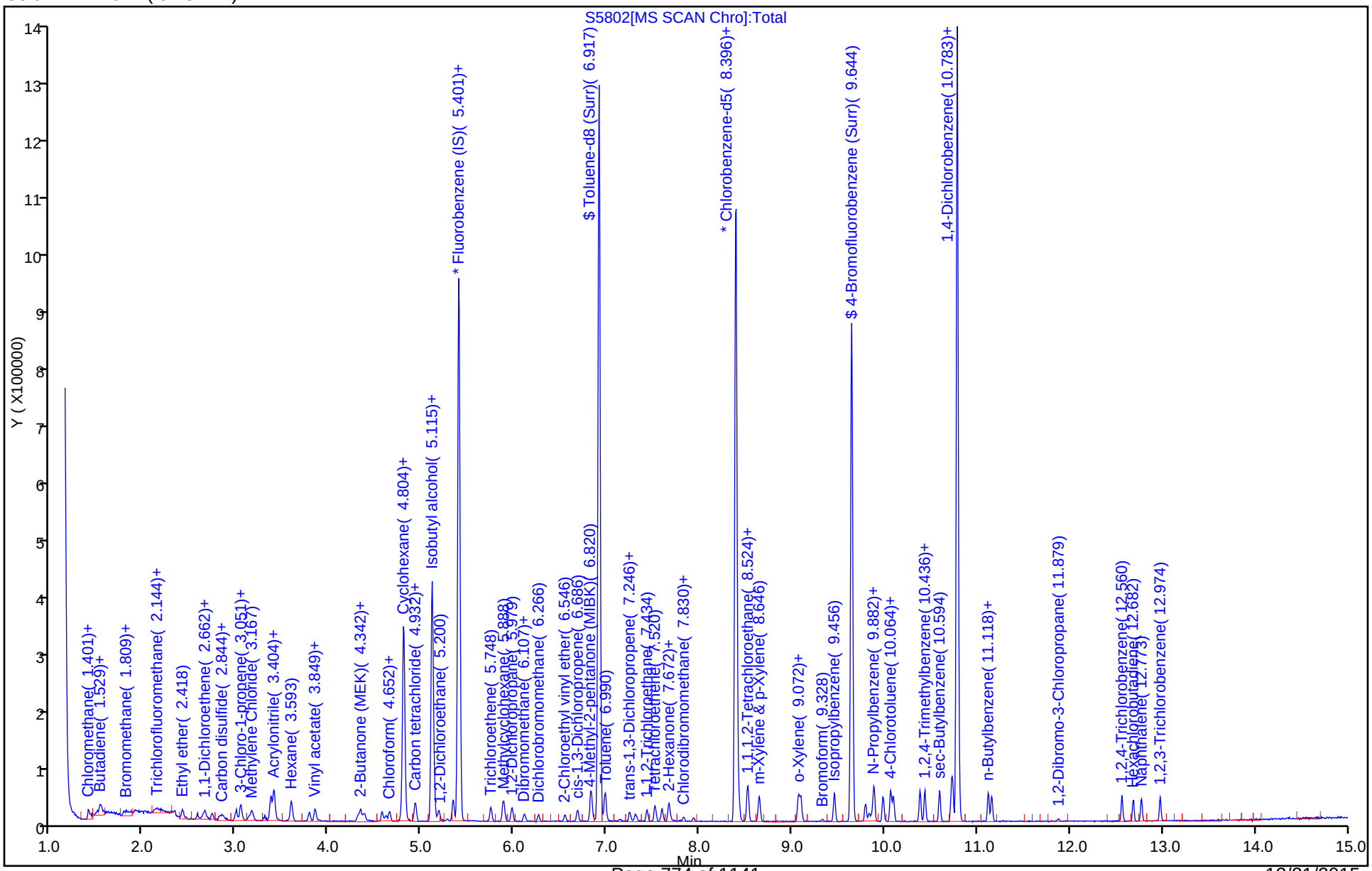
Report Date: 07-Dec-2015 22:59:15 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D

Injection Date:	07-Dec-2015 16:55:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

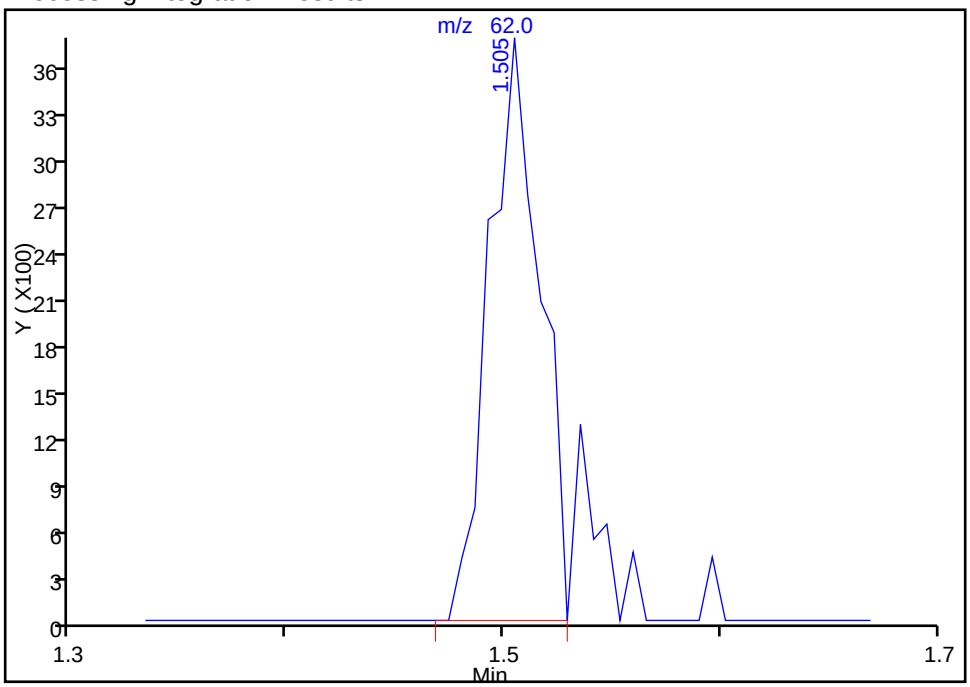
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

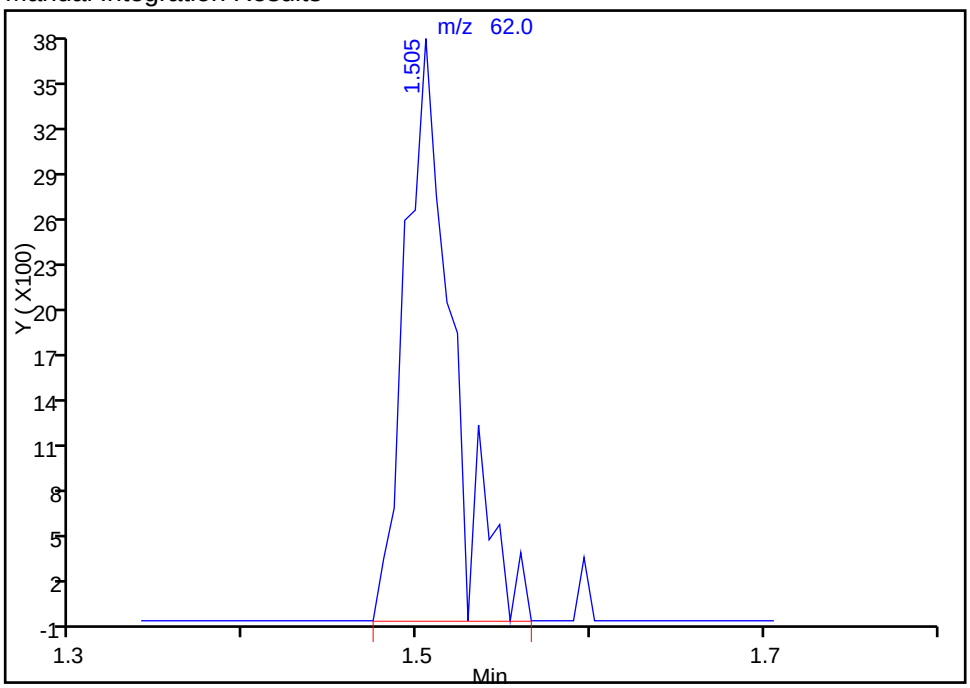
Processing Integration Results

RT: 1.50
Area: 6139
Amount: 0.892261
Amount Units: ug/L



Manual Integration Results

RT: 1.50
Area: 7198
Amount: 1.001913
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

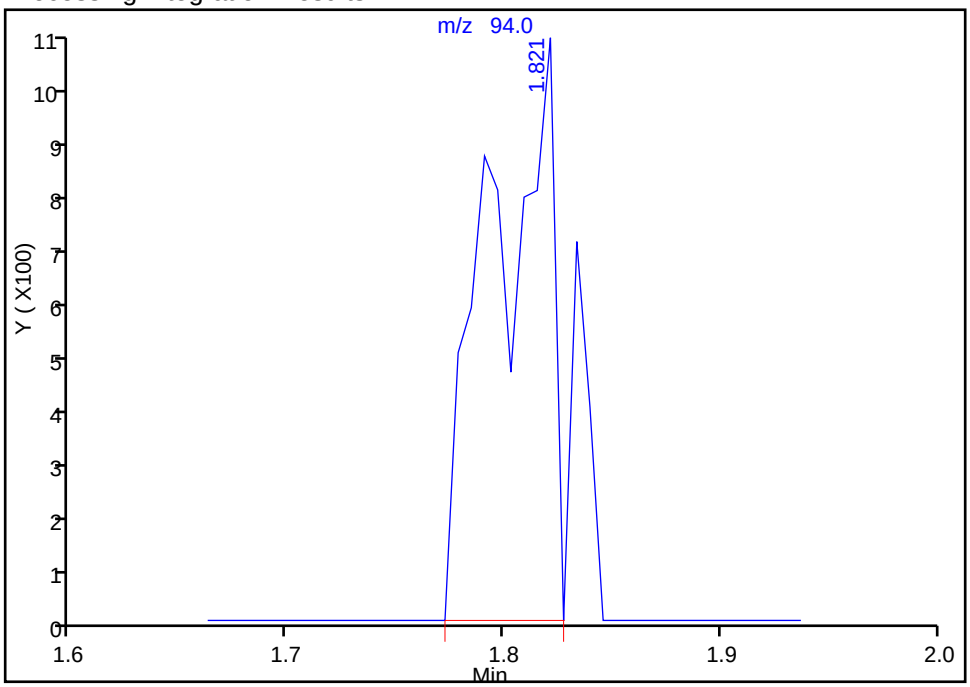
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

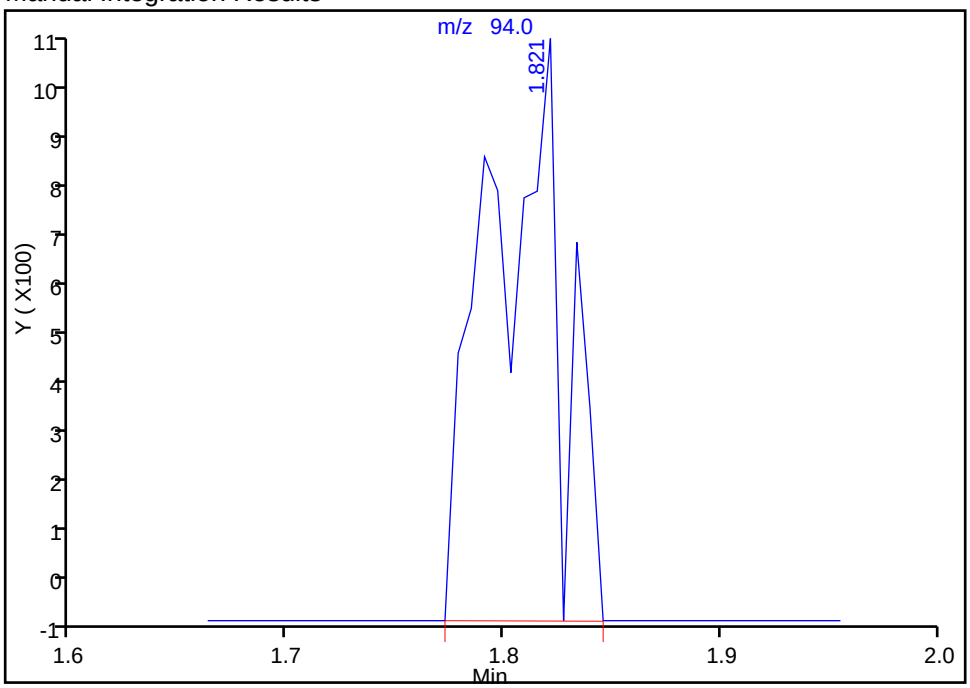
Processing Integration Results

RT: 1.82
Area: 2077
Amount: 0.934132
Amount Units: ug/L



Manual Integration Results

RT: 1.82
Area: 2469
Amount: 1.123982
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

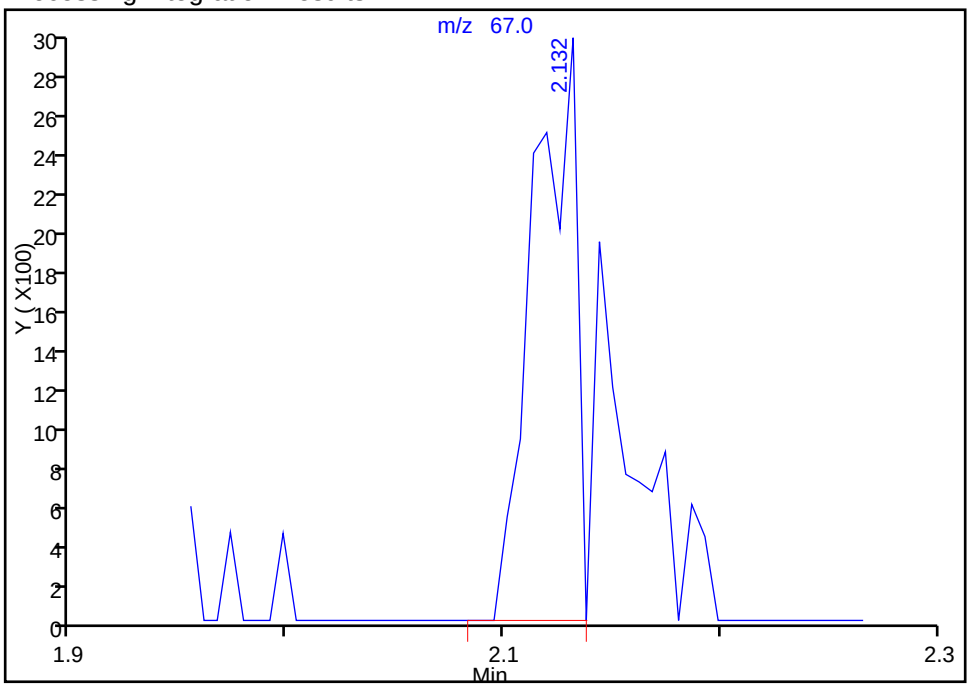
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

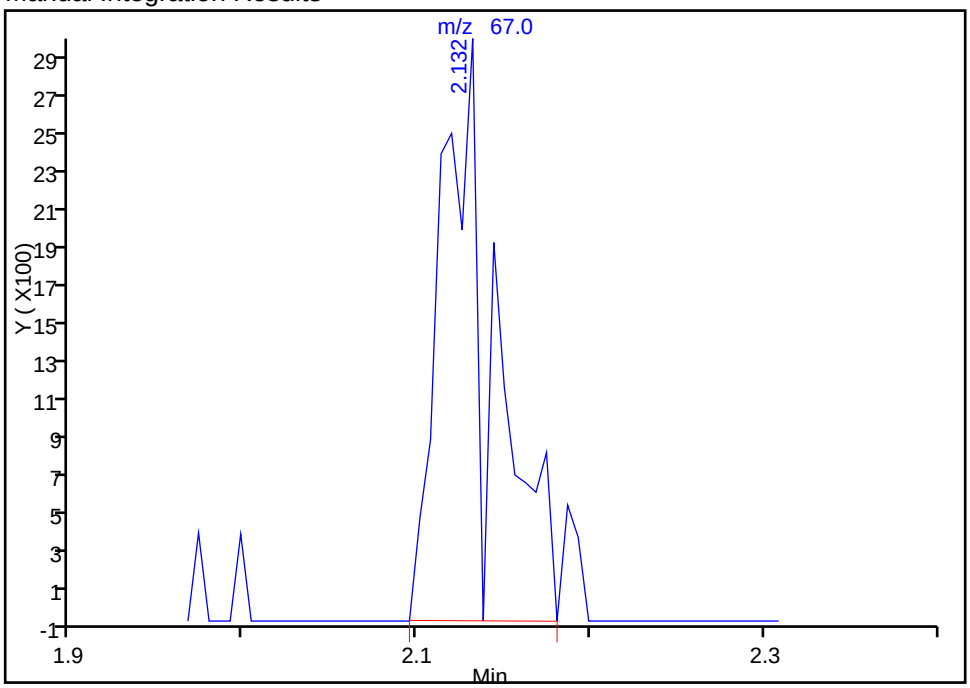
Processing Integration Results

RT: 2.13
Area: 4051
Amount: 0.550929
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 6231
Amount: 0.812972
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

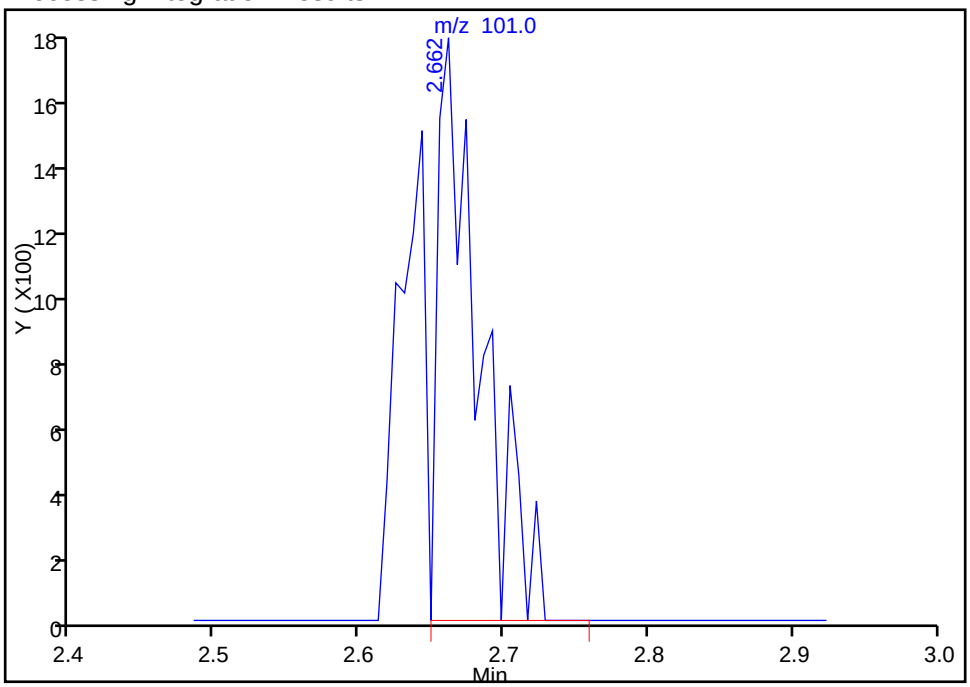
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

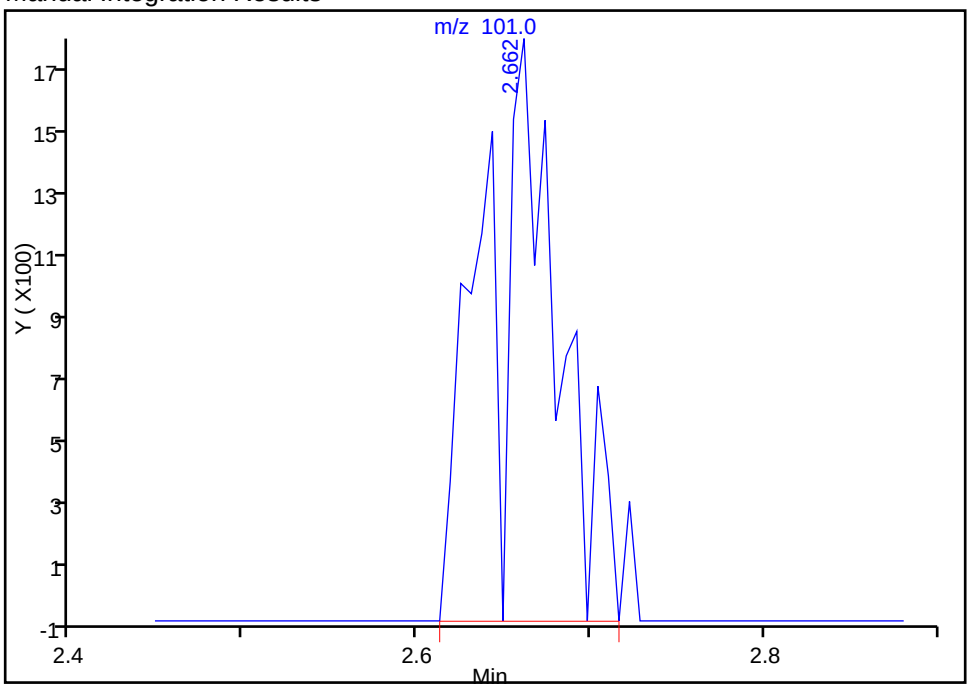
Processing Integration Results

RT: 2.66
Area: 3430
Amount: 0.697132
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 5113
Amount: 0.951410
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

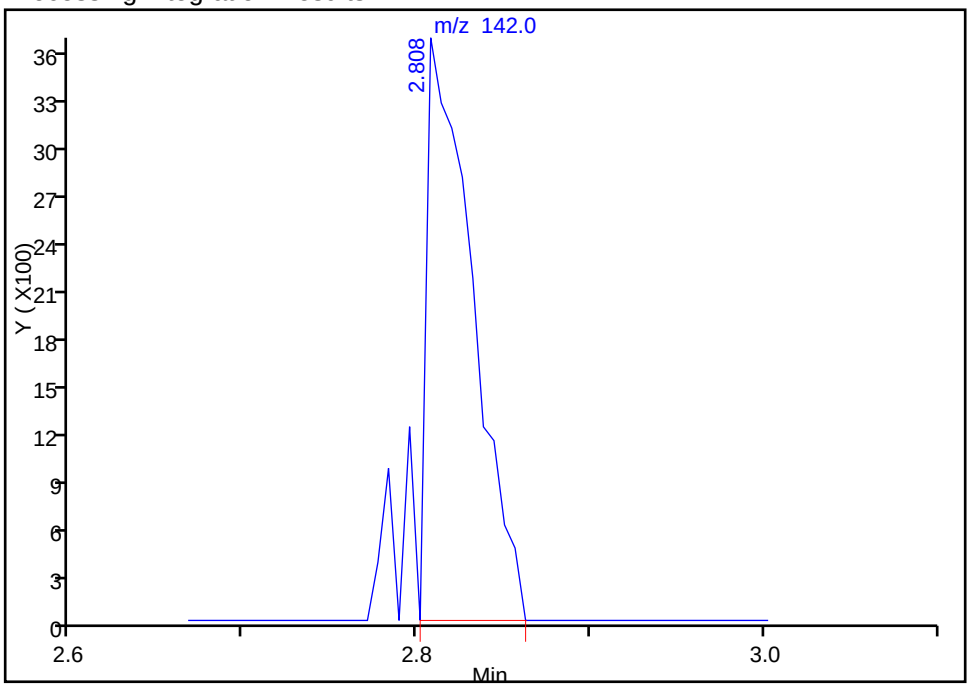
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

25 Iodomethane, CAS: 74-88-4

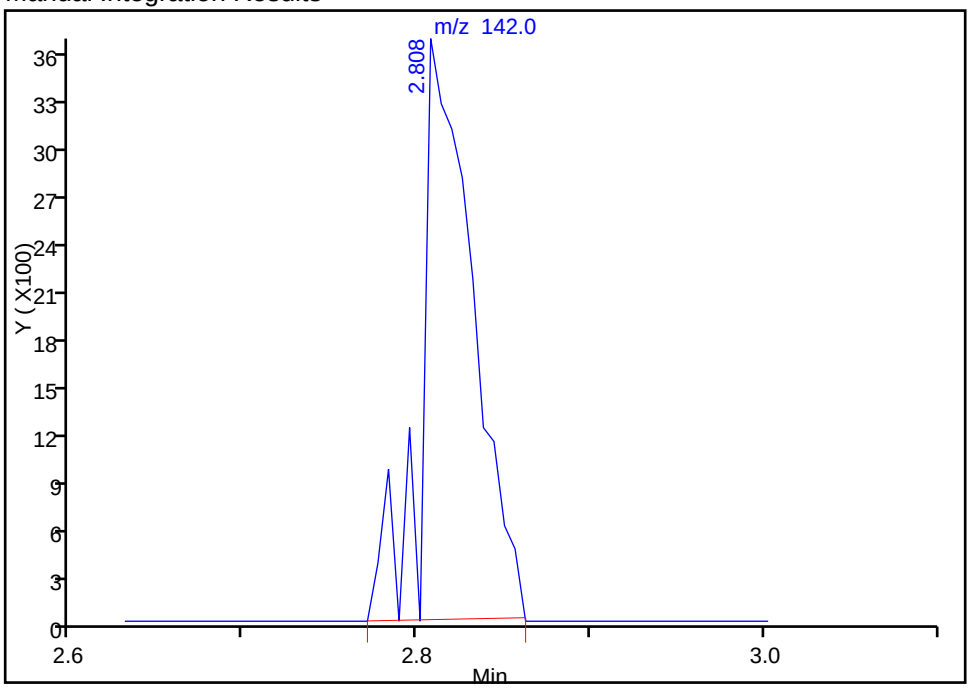
Processing Integration Results

RT: 2.81
Area: 6630
Amount: 1.042307
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 7480
Amount: 1.096899
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

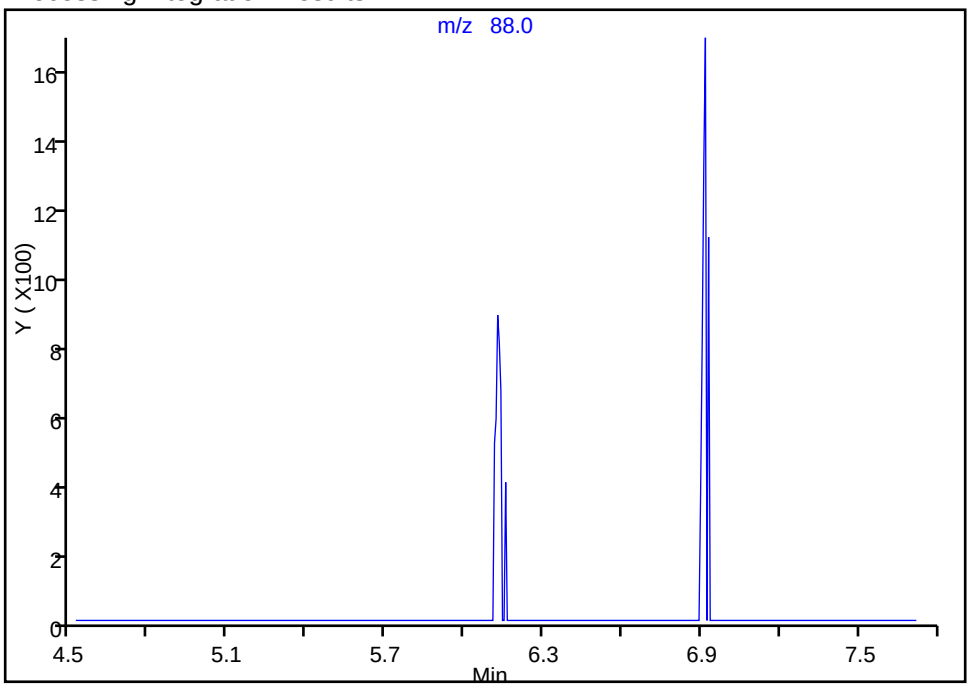
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

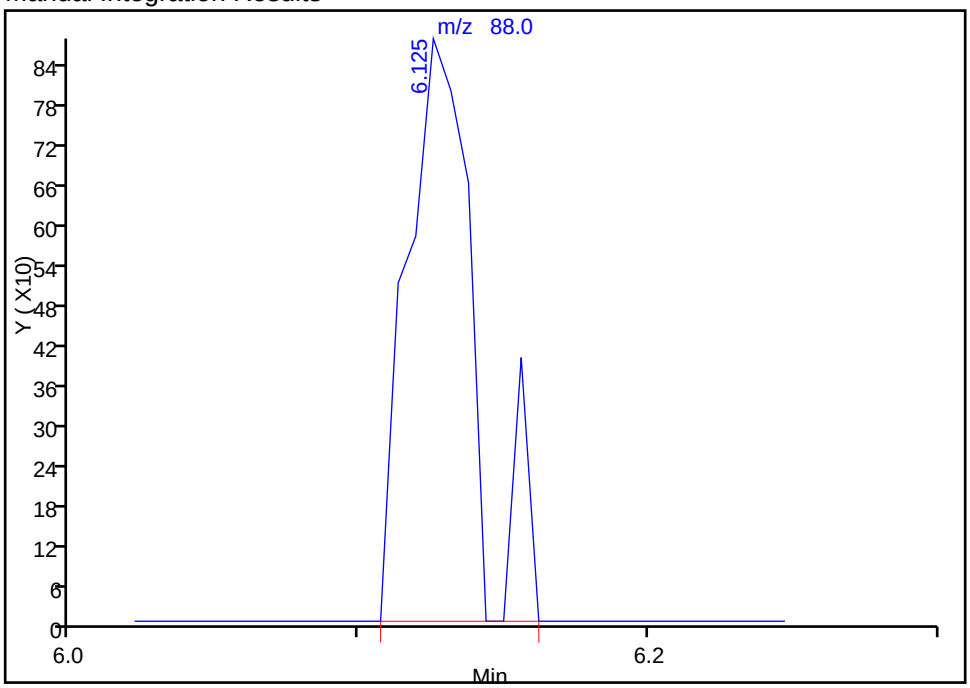
Not Detected
Expected RT: 6.12

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 1390
Amount: 21.345735
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279534/4 Calibration Date: 12/14/2015 10:09

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2320.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	2.214	0.1000	69.6	50.0	39.3	50.0
Chloromethane	Ave	1.423	1.816	0.1000	63.8	50.0	27.6*	20.0
Vinyl chloride	Ave	1.126	1.412	0.1000	62.7	50.0	25.4*	20.0
Butadiene	Ave	1.035	1.447		69.9	50.0	39.8*	20.0
Bromomethane	Ave	0.6478	0.8306	0.1000	64.1	50.0	28.2	50.0
Chloroethane	Ave	0.7111	0.8543	0.1000	60.1	50.0	20.1	50.0
Dichlorofluoromethane	Ave	2.470	2.928		59.3	50.0	18.5	20.0
Trichlorofluoromethane	Ave	1.997	2.699	0.1000	67.6	50.0	35.1*	20.0
Ethyl ether	Ave	1.416	1.472		52.0	50.0	4.0	20.0
Acrolein	Ave	0.3039	0.3049		251	250	0.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.824	0.1000	54.7	50.0	9.4	20.0
1,1-Dichloroethene	Ave	1.668	1.730	0.1000	51.9	50.0	3.8	20.0
Acetone	Ave	0.5730	0.6228	0.1000	272	250	8.7	50.0
Iodomethane	Ave	2.547	2.737		53.7	50.0	7.4	20.0
Methyl acetate	Ave	1.313	1.328	0.1000	253	250	1.2	50.0
Carbon disulfide	Ave	5.168	5.642	0.1000	54.6	50.0	9.2	20.0
Allyl chloride	Ave	2.761	3.029		54.9	50.0	9.7	20.0
Methylene Chloride	Lin1		1.655	0.1000	57.2	50.0	14.3	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1900		510	500	2.0	50.0
Methyl tert-butyl ether	Ave	4.451	4.646	0.1000	52.2	50.0	4.4	20.0
Acrylonitrile	Ave	0.6006	0.6203		516	500	3.3	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.475	0.1000	52.4	50.0	4.8	20.0
Hexane	Ave	2.756	2.844		51.6	50.0	3.2	20.0
Vinyl acetate	Ave	3.377	3.927		116	100	16.3	20.0
1,1-Dichloroethane	Ave	3.128	3.232	0.2000	51.7	50.0	3.3	20.0
2-Butanone (MEK)	Ave	0.8452	0.8825	0.1000	261	250	4.4	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.575	0.1000	51.6	50.0	3.2	20.0
2,2-Dichloropropane	Ave	2.140	2.401		56.1	50.0	12.2	20.0
Chlorobromomethane	Ave	0.7304	0.7612		52.1	50.0	4.2	20.0
Tetrahydrofuran	Ave	0.5503	0.5459		99.2	100	-0.8	20.0
Chloroform	Ave	2.693	2.792	0.2000	51.8	50.0	3.7	20.0
1,1,1-Trichloroethane	Ave	1.791	2.075	0.1000	57.9	50.0	15.9	20.0
Cyclohexane	Ave	3.194	3.502	0.1000	54.8	50.0	9.6	20.0
Isobutyl alcohol	Ave	0.0811	0.0822		1270	1250	1.4	50.0
1,1-Dichloropropene	Ave	1.976	2.118		53.6	50.0	7.2	20.0
Carbon tetrachloride	Ave	1.996	2.344	0.1000	58.7	50.0	17.5	20.0
Benzene	Ave	5.514	5.777	0.5000	52.4	50.0	4.8	20.0
1,2-Dichloroethane	Ave	2.489	2.466	0.1000	49.5	50.0	-0.9	20.0
n-Heptane	Ave	2.915	3.177		54.5	50.0	9.0	20.0
Trichloroethene	Ave	1.493	1.539	0.2000	51.5	50.0	3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279534/4 Calibration Date: 12/14/2015 10:09

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2320.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.881	0.1000	56.3	50.0	12.6	20.0
1,2-Dichloropropane	Ave	1.601	1.632	0.1000	51.0	50.0	1.9	20.0
1,4-Dioxane	Ave	0.0061	0.0059		964	1000	-3.6	50.0
Dibromomethane	Ave	0.8832	0.9038	0.1000	51.2	50.0	2.3	20.0
Bromodichloromethane	Ave	2.008	2.131	0.2000	53.1	50.0	6.1	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6856		116	50.0	131.8*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.498	0.2000	53.7	50.0	7.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8700	0.1000	263	250	5.0	20.0
Toluene	Ave	1.776	1.717	0.4000	48.3	50.0	-3.3	20.0
Ethyl methacrylate	Ave	0.7749	0.8338		53.8	50.0	7.6	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.105	0.1000	54.2	50.0	8.4	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4985	0.1000	51.2	50.0	2.4	20.0
Tetrachloroethene	Ave	0.6818	0.7044	0.2000	51.7	50.0	3.3	20.0
2-Hexanone	Ave	0.5703	0.5946	0.1000	261	250	4.3	20.0
1,3-Dichloropropane	Ave	0.9875	0.9884		50.0	50.0	0.0	20.0
Dibromochloromethane	Ave	0.6656	0.7233	0.1000	54.3	50.0	8.7	20.0
1,2-Dibromoethane	Ave	0.6363	0.6477		50.9	50.0	1.8	20.0
Chlorobenzene	Ave	1.935	1.999	0.5000	51.7	50.0	3.3	20.0
Ethylbenzene	Ave	3.077	3.237	0.1000	52.6	50.0	5.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6971		53.1	50.0	6.1	20.0
m,p-Xylene	Ave	1.304	1.356	0.1000	52.0	50.0	4.0	20.0
o-Xylene	Ave	1.313	1.349	0.3000	51.4	50.0	2.8	20.0
Styrene	Ave	2.033	2.110	0.3000	51.9	50.0	3.8	20.0
Bromoform	Ave	0.4187	0.4625	0.1000	55.2	50.0	10.5	50.0
Isopropylbenzene	Ave	3.544	3.773	0.1000	53.2	50.0	6.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8578	0.3000	51.2	50.0	2.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3502		52.8	50.0	5.6	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2410		48.8	50.0	-2.5	20.0
Bromobenzene	Ave	0.8785	0.8546		48.6	50.0	-2.7	20.0
N-Propylbenzene	Ave	3.907	4.109		52.6	50.0	5.2	20.0
2-Chlorotoluene	Ave	0.7886	0.7982		50.6	50.0	1.2	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.082		51.6	50.0	3.3	20.0
4-Chlorotoluene	Ave	0.8449	0.8737		51.7	50.0	3.4	20.0
tert-Butylbenzene	Ave	0.6316	0.6593		52.2	50.0	4.4	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.331		52.6	50.0	5.2	20.0
sec-Butylbenzene	Ave	3.900	4.246		54.4	50.0	8.9	20.0
4-Isopropyltoluene	Ave	3.235	3.464		53.5	50.0	7.1	20.0
1,3-Dichlorobenzene	Ave	1.685	1.698	0.6000	50.4	50.0	0.8	20.0
1,4-Dichlorobenzene	Ave	1.631	1.614	0.5000	49.5	50.0	-1.0	20.0
n-Butylbenzene	Ave	3.083	3.394		55.0	50.0	10.1	20.0
1,2-Dichlorobenzene	Ave	1.684	1.702	0.4000	50.5	50.0	1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279534/4 Calibration Date: 12/14/2015 10:09

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2320.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1867	0.0500	50.9	50.0	1.8	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.283	0.2000	54.2	50.0	8.4	20.0
Hexachlorobutadiene	Ave	1.314	1.445		55.0	50.0	10.0	20.0
Naphthalene	Ave	4.812	5.359		55.7	50.0	11.3	20.0
1,2,3-Trichlorobenzene	Ave	1.970	2.178		55.3	50.0	10.6	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.410		55.1	50.0	10.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8517		55.1	50.0	10.2	20.0
Toluene-d8 (Surr)	Ave	2.187	2.366		54.1	50.0	8.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7989		52.4	50.0	4.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2320.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Dec-2015 10:09:30 ALS Bottle#: 1 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049193-004
Operator ID: CDC Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 15:30:38 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: cwiklinc Date: 14-Dec-2015 15:30:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	97	287909	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	88	598455	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	565495	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	93	406060	50.0	55.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	245213	50.0	55.1	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1416227	50.0	54.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	478074	50.0	52.4	
10 Dichlorodifluoromethane	85	4.042	4.042	0.000	97	637300	50.0	69.6	
11 Chloromethane	50	4.346	4.346	0.000	99	522790	50.0	63.8	
17 Vinyl chloride	62	4.577	4.577	0.000	98	406544	50.0	62.7	
149 Butadiene	54	4.596	4.596	0.000	96	416544	50.0	69.9	
12 Bromomethane	94	5.131	5.131	0.000	93	239132	50.0	64.1	
13 Chloroethane	64	5.259	5.259	0.000	97	245967	50.0	60.1	
19 Dichlorofluoromethane	67	5.563	5.563	0.000	98	842902	50.0	59.3	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	99	776964	50.0	67.6	
20 Ethyl ether	59	5.964	5.964	0.000	97	423657	50.0	52.0	
22 Acrolein	56	6.220	6.220	0.000	98	438880	250.0	250.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.311	0.000	93	525050	50.0	54.7	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	93	498211	50.0	51.9	
24 Acetone	43	6.396	6.396	0.000	98	896495	250.0	271.7	
18 Iodomethane	142	6.634	6.634	0.000	99	787908	50.0	53.7	
30 Methyl acetate	43	6.767	6.767	0.000	100	1911723	250.0	252.9	
27 Carbon disulfide	76	6.780	6.780	0.000	100	1624416	50.0	54.6	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	89	872023	50.0	54.9	
31 Methylene Chloride	84	6.993	6.993	0.000	95	476584	50.0	57.2	
33 2-Methyl-2-propanol	59	6.999	6.999	0.000	98	546870	500.0	510.0	
32 Methyl tert-butyl ether	73	7.230	7.230	0.000	99	1337490	50.0	52.2	
34 Acrylonitrile	53	7.272	7.272	0.000	97	1785882	500.0	516.4	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	424648	50.0	52.4	
36 Hexane	57	7.534	7.534	0.000	95	818764	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2261514	100.0	116.3	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	930657	50.0	51.7	
44 2-Butanone (MEK)	43	8.471	8.471	0.000	98	1270442	250.0	261.1	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	87	453491	50.0	51.6	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	89	691208	50.0	56.1	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	219160	50.0	52.1	
51 Tetrahydrofuran	42	8.866	8.866	0.000	91	314362	100.0	99.2	
49 Chloroform	83	8.885	8.885	0.000	96	803777	50.0	51.8	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	597304	50.0	57.9	
54 Cyclohexane	56	9.219	9.219	0.000	95	1008121	50.0	54.8	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	591932	1250.0	1267.9	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	609789	50.0	53.6	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	674987	50.0	58.7	
57 Benzene	78	9.596	9.596	0.000	98	1663272	50.0	52.4	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	97	709939	50.0	49.5	
59 n-Heptane	43	9.718	9.718	0.000	97	914722	50.0	54.5	
62 Trichloroethene	95	10.351	10.351	0.000	94	443161	50.0	51.5	
64 Methylcyclohexane	83	10.588	10.588	0.000	99	829466	50.0	56.3	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	469797	50.0	51.0	
68 1,4-Dioxane	88	10.777	10.777	0.000	97	70899	1000.0	964.3	
69 Dibromomethane	93	10.856	10.856	0.000	96	260213	50.0	51.2	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	613605	50.0	53.1	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	197403	50.0	115.9	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	719169	50.0	53.7	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2603277	250.0	262.6	
76 Toluene	92	11.969	11.969	0.000	98	1027554	50.0	48.3	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	498964	50.0	53.8	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	95	661060	50.0	54.2	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	298325	50.0	51.2	
80 Tetrachloroethene	166	12.711	12.711	0.000	93	421530	50.0	51.7	
83 2-Hexanone	43	12.723	12.723	0.000	97	1779169	250.0	260.7	
82 1,3-Dichloropropane	76	12.754	12.754	0.000	99	591508	50.0	50.0	
81 Chlorodibromomethane	129	13.094	13.094	0.000	91	432851	50.0	54.3	
85 Ethylene Dibromide	107	13.289	13.289	0.000	98	387606	50.0	50.9	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1196217	50.0	51.7	
89 Ethylbenzene	91	13.946	13.946	0.000	98	1937232	50.0	52.6	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	417165	50.0	53.1	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	811480	50.0	52.0	
93 o-Xylene	106	14.633	14.633	0.000	98	807612	50.0	51.4	
94 Styrene	104	14.652	14.652	0.000	95	1262839	50.0	51.9	
92 Bromoform	173	15.011	15.011	0.000	95	276800	50.0	55.2	
95 Isopropylbenzene	105	15.078	15.078	0.000	97	2133603	50.0	53.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	485078	50.0	51.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	82	198046	50.0	52.8	
100 Bromobenzene	156	15.595	15.595	0.000	94	483257	50.0	48.6	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	66	136291	50.0	48.8	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2323697	50.0	52.6	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	451364	50.0	50.6	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	1743017	50.0	51.6	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	494045	50.0	51.7	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	372848	50.0	52.2	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1883470	50.0	52.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2401234	50.0	54.4	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1958628	50.0	53.5	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	959970	50.0	50.4	
111 1,4-Dichlorobenzene	146	16.854	16.854	0.000	92	912783	50.0	49.5	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1919526	50.0	55.0	
116 1,2-Dichlorobenzene	146	17.347	17.347	0.000	95	962380	50.0	50.5	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	105589	50.0	50.9	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	725588	50.0	54.2	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	416123	50.0	55.0	
121 Naphthalene	128	19.811	19.811	0.000	98	1542782	50.0	55.7	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	95	627089	50.0	55.3	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00126	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

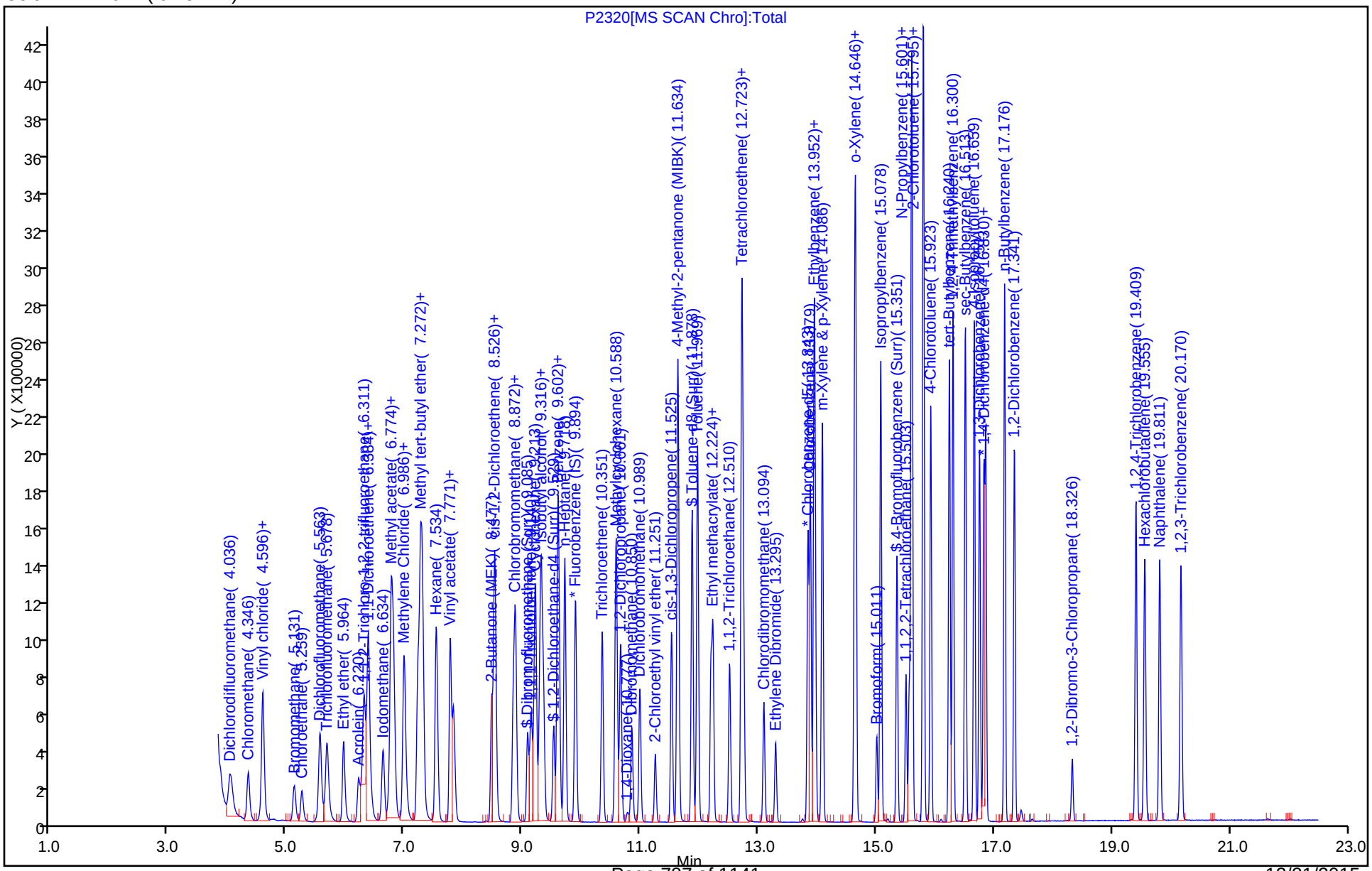
Report Date: 14-Dec-2015 15:30:40 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2320.D

Injection Date:	14-Dec-2015 10:09:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279691/3 Calibration Date: 12/14/2015 23:57

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2346.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	2.045	0.1000	64.3	50.0	28.7	50.0
Chloromethane	Ave	1.423	1.577	0.1000	55.4	50.0	10.8	20.0
Vinyl chloride	Ave	1.126	1.245	0.1000	55.3	50.0	10.6	20.0
Butadiene	Ave	1.035	1.258		60.8	50.0	21.6*	20.0
Bromomethane	Ave	0.6478	0.6496	0.1000	50.1	50.0	0.3	50.0
Chloroethane	Ave	0.7111	0.7589	0.1000	53.4	50.0	6.7	50.0
Dichlorofluoromethane	Ave	2.470	2.415		48.9	50.0	-2.2	20.0
Trichlorofluoromethane	Ave	1.997	2.400	0.1000	60.1	50.0	20.1*	20.0
Ethyl ether	Ave	1.416	1.359		48.0	50.0	-4.0	20.0
Acrolein	Ave	0.3039	0.2875		237	250	-5.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.683	0.1000	50.5	50.0	1.0	20.0
1,1-Dichloroethene	Ave	1.668	1.593	0.1000	47.7	50.0	-4.5	20.0
Acetone	Ave	0.5730	0.5923	0.1000	258	250	3.4	50.0
Iodomethane	Ave	2.547	2.509		49.3	50.0	-1.5	20.0
Methyl acetate	Ave	1.313	1.266	0.1000	241	250	-3.6	50.0
Carbon disulfide	Ave	5.168	5.238	0.1000	50.7	50.0	1.3	20.0
Allyl chloride	Ave	2.761	2.801		50.7	50.0	1.4	20.0
Methylene Chloride	Lin1		1.523	0.1000	52.4	50.0	4.8	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1894		509	500	1.7	50.0
Methyl tert-butyl ether	Ave	4.451	4.186	0.1000	47.0	50.0	-5.9	20.0
Acrylonitrile	Ave	0.6006	0.5768		480	500	-4.0	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.378	0.1000	48.9	50.0	-2.1	20.0
Hexane	Ave	2.756	2.640		47.9	50.0	-4.2	20.0
Vinyl acetate	Ave	3.377	3.611		107	100	6.9	20.0
1,1-Dichloroethane	Ave	3.128	3.018	0.2000	48.2	50.0	-3.5	20.0
2-Butanone (MEK)	Ave	0.8452	0.8456	0.1000	250	250	0.0	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.455	0.1000	47.7	50.0	-4.7	20.0
2,2-Dichloropropane	Ave	2.140	2.203		51.5	50.0	3.0	20.0
Chlorobromomethane	Ave	0.7304	0.6885		47.1	50.0	-5.7	20.0
Tetrahydrofuran	Ave	0.5503	0.5243		95.3	100	-4.7	20.0
Chloroform	Ave	2.693	2.596	0.2000	48.2	50.0	-3.6	20.0
1,1,1-Trichloroethane	Ave	1.791	1.913	0.1000	53.4	50.0	6.9	20.0
Cyclohexane	Ave	3.194	3.243	0.1000	50.8	50.0	1.5	20.0
Isobutyl alcohol	Ave	0.0811	0.0833		1280	1250	2.7	50.0
1,1-Dichloropropene	Ave	1.976	2.001		50.6	50.0	1.3	20.0
Carbon tetrachloride	Ave	1.996	2.177	0.1000	54.5	50.0	9.1	20.0
Benzene	Ave	5.514	5.367	0.5000	48.7	50.0	-2.7	20.0
1,2-Dichloroethane	Ave	2.489	2.295	0.1000	46.1	50.0	-7.8	20.0
n-Heptane	Ave	2.915	2.975		51.0	50.0	2.1	20.0
Trichloroethene	Ave	1.493	1.447	0.2000	48.5	50.0	-3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279691/3 Calibration Date: 12/14/2015 23:57

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2346.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.659	0.1000	52.0	50.0	3.9	20.0
1,2-Dichloropropane	Ave	1.601	1.508	0.1000	47.1	50.0	-5.8	20.0
1,4-Dioxane	Ave	0.0061	0.0063		1030	1000	3.0	50.0
Dibromomethane	Ave	0.8832	0.8411	0.1000	47.6	50.0	-4.8	20.0
Bromodichloromethane	Ave	2.008	1.986	0.2000	49.4	50.0	-1.1	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6513		110	50.0	120.1*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.299	0.2000	49.4	50.0	-1.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8471	0.1000	256	250	2.3	20.0
Toluene	Ave	1.776	1.663	0.4000	46.8	50.0	-6.3	20.0
Ethyl methacrylate	Ave	0.7749	0.7894		50.9	50.0	1.9	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.055	0.1000	51.7	50.0	3.5	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4841	0.1000	49.7	50.0	-0.5	20.0
Tetrachloroethene	Ave	0.6818	0.6870	0.2000	50.4	50.0	0.8	20.0
2-Hexanone	Ave	0.5703	0.5888	0.1000	258	250	3.2	20.0
1,3-Dichloropropane	Ave	0.9875	0.9613		48.7	50.0	-2.7	20.0
Dibromochloromethane	Ave	0.6656	0.6986	0.1000	52.5	50.0	4.9	20.0
1,2-Dibromoethane	Ave	0.6363	0.6202		48.7	50.0	-2.5	20.0
Chlorobenzene	Ave	1.935	1.923	0.5000	49.7	50.0	-0.6	20.0
Ethylbenzene	Ave	3.077	3.119	0.1000	50.7	50.0	1.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6570		50.0	50.0	0.0	20.0
m,p-Xylene	Ave	1.304	1.306	0.1000	50.1	50.0	0.1	20.0
o-Xylene	Ave	1.313	1.295	0.3000	49.3	50.0	-1.3	20.0
Styrene	Ave	2.033	2.015	0.3000	49.6	50.0	-0.9	20.0
Bromoform	Ave	0.4187	0.4394	0.1000	52.5	50.0	4.9	50.0
Isopropylbenzene	Ave	3.544	3.779	0.1000	53.3	50.0	6.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8416	0.3000	50.2	50.0	0.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3515		53.0	50.0	5.9	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2340		47.3	50.0	-5.3	20.0
Bromobenzene	Ave	0.8785	0.8413		47.9	50.0	-4.2	20.0
N-Propylbenzene	Ave	3.907	4.107		52.6	50.0	5.1	20.0
2-Chlorotoluene	Ave	0.7886	0.7765		49.2	50.0	-1.5	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.026		50.7	50.0	1.4	20.0
4-Chlorotoluene	Ave	0.8449	0.8462		50.1	50.0	0.2	20.0
tert-Butylbenzene	Ave	0.6316	0.6519		51.6	50.0	3.2	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.237		51.1	50.0	2.2	20.0
sec-Butylbenzene	Ave	3.900	4.184		53.6	50.0	7.3	20.0
4-Isopropyltoluene	Ave	3.235	3.399		52.5	50.0	5.1	20.0
1,3-Dichlorobenzene	Ave	1.685	1.649	0.6000	48.9	50.0	-2.1	20.0
1,4-Dichlorobenzene	Ave	1.631	1.553	0.5000	47.6	50.0	-4.8	20.0
n-Butylbenzene	Ave	3.083	3.286		53.3	50.0	6.6	20.0
1,2-Dichlorobenzene	Ave	1.684	1.626	0.4000	48.3	50.0	-3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279691/3 Calibration Date: 12/14/2015 23:57

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2346.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1777	0.0500	48.5	50.0	-3.1	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.164	0.2000	49.2	50.0	-1.7	20.0
Hexachlorobutadiene	Ave	1.314	1.262		48.0	50.0	-3.9	20.0
Naphthalene	Ave	4.812	4.530		47.1	50.0	-5.9	20.0
1,2,3-Trichlorobenzene	Ave	1.970	1.828		46.4	50.0	-7.2	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.275		49.9	50.0	-0.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.7659		49.6	50.0	-0.9	20.0
Toluene-d8 (Surr)	Ave	2.187	2.211		50.5	50.0	1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7529		49.4	50.0	-1.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2346.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Dec-2015 23:57:30 ALS Bottle#: 4 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049221-003
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 00:33:21 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: diasn Date: 15-Dec-2015 00:33:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	312745	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	88	622572	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	570368	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	92	398841	50.0	49.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	239535	50.0	49.6	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1376208	50.0	50.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	468754	50.0	49.4	
10 Dichlorodifluoromethane	85	4.036	4.036	0.000	99	639616	50.0	64.3	
11 Chloromethane	50	4.340	4.340	0.000	99	493230	50.0	55.4	
17 Vinyl chloride	62	4.571	4.571	0.000	98	389483	50.0	55.3	
149 Butadiene	54	4.596	4.596	0.000	97	393547	50.0	60.8	
12 Bromomethane	94	5.125	5.125	0.000	94	203157	50.0	50.1	
13 Chloroethane	64	5.253	5.253	0.000	96	237354	50.0	53.4	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	755368	50.0	48.9	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	99	750461	50.0	60.1	
20 Ethyl ether	59	5.964	5.964	0.000	97	425008	50.0	48.0	
22 Acrolein	56	6.220	6.220	0.000	99	449637	250.0	236.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	526358	50.0	50.5	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	93	498126	50.0	47.7	
24 Acetone	43	6.396	6.396	0.000	97	926233	250.0	258.4	
18 Iodomethane	142	6.627	6.627	0.000	99	784830	50.0	49.3	
30 Methyl acetate	43	6.767	6.767	0.000	100	1979640	250.0	241.1	
27 Carbon disulfide	76	6.773	6.773	0.000	99	1638018	50.0	50.7	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	90	875976	50.0	50.7	
31 Methylene Chloride	84	6.986	6.986	0.000	94	476412	50.0	52.4	
33 2-Methyl-2-propanol	59	7.005	7.005	0.000	98	592404	500.0	508.6	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1309206	50.0	47.0	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1803990	500.0	480.2	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	430918	50.0	48.9	
36 Hexane	57	7.534	7.534	0.000	95	825516	50.0	47.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2258635	100.0	106.9	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	943869	50.0	48.2	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1322315	250.0	250.1	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	87	455039	50.0	47.7	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	89	688940	50.0	51.5	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	215311	50.0	47.1	
51 Tetrahydrofuran	42	8.866	8.866	0.000	92	327954	100.0	95.3	
49 Chloroform	83	8.878	8.878	0.000	96	812008	50.0	48.2	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	98	598381	50.0	53.4	
54 Cyclohexane	56	9.213	9.213	0.000	96	1014365	50.0	50.8	
53 Isobutyl alcohol	43	9.286	9.286	0.000	97	651092	1250.0	1283.9	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	90	625729	50.0	50.6	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	680732	50.0	54.5	
57 Benzene	78	9.596	9.596	0.000	98	1678480	50.0	48.7	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	97	717860	50.0	46.1	
59 n-Heptane	43	9.718	9.718	0.000	97	930450	50.0	51.0	
62 Trichloroethene	95	10.351	10.351	0.000	95	452565	50.0	48.5	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	831472	50.0	52.0	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	91	471601	50.0	47.1	
68 1,4-Dioxane	88	10.783	10.783	0.000	98	78766	1000.0	1029.8	
69 Dibromomethane	93	10.849	10.849	0.000	96	263037	50.0	47.6	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	620968	50.0	49.4	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	91	203683	50.0	110.1	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	719077	50.0	49.4	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2636735	250.0	255.6	
76 Toluene	92	11.969	11.969	0.000	97	1035505	50.0	46.8	
77 Ethyl methacrylate	69	12.194	12.194	0.000	96	491465	50.0	50.9	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	96	656809	50.0	51.7	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	301385	50.0	49.7	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	427690	50.0	50.4	
83 2-Hexanone	43	12.723	12.723	0.000	99	1832782	250.0	258.1	
82 1,3-Dichloropropane	76	12.754	12.754	0.000	99	598478	50.0	48.7	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	434906	50.0	52.5	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	386131	50.0	48.7	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1197110	50.0	49.7	
89 Ethylbenzene	91	13.946	13.946	0.000	98	1941792	50.0	50.7	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	409008	50.0	50.0	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	813134	50.0	50.1	
93 o-Xylene	106	14.633	14.633	0.000	95	806380	50.0	49.3	
94 Styrene	104	14.652	14.652	0.000	93	1254192	50.0	49.6	
92 Bromoform	173	15.011	15.011	0.000	95	273540	50.0	52.5	
95 Isopropylbenzene	105	15.078	15.078	0.000	96	2155291	50.0	53.3	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	480012	50.0	50.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	82	200474	50.0	53.0	
100 Bromobenzene	156	15.595	15.595	0.000	94	479873	50.0	47.9	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	59	133437	50.0	47.3	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2342397	50.0	52.6	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	442914	50.0	49.2	
102 1,3,5-Trimethylbenzene	105	15.801	15.801	0.000	94	1725943	50.0	50.7	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	482661	50.0	50.1	
106 tert-Butylbenzene	134	16.239	16.239	0.000	94	371827	50.0	51.6	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1846348	50.0	51.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2386355	50.0	53.6	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1938522	50.0	52.5	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	940577	50.0	48.9	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	885840	50.0	47.6	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1874414	50.0	53.3	
116 1,2-Dichlorobenzene	146	17.347	17.347	0.000	95	927338	50.0	48.3	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.320	0.000	80	101329	50.0	48.5	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	663972	50.0	49.2	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	394732	50.0	48.0	
121 Naphthalene	128	19.811	19.811	0.000	98	1416788	50.0	47.1	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	96	571597	50.0	46.4	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00126	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added: 1.00	Units: uL	Run Reagent

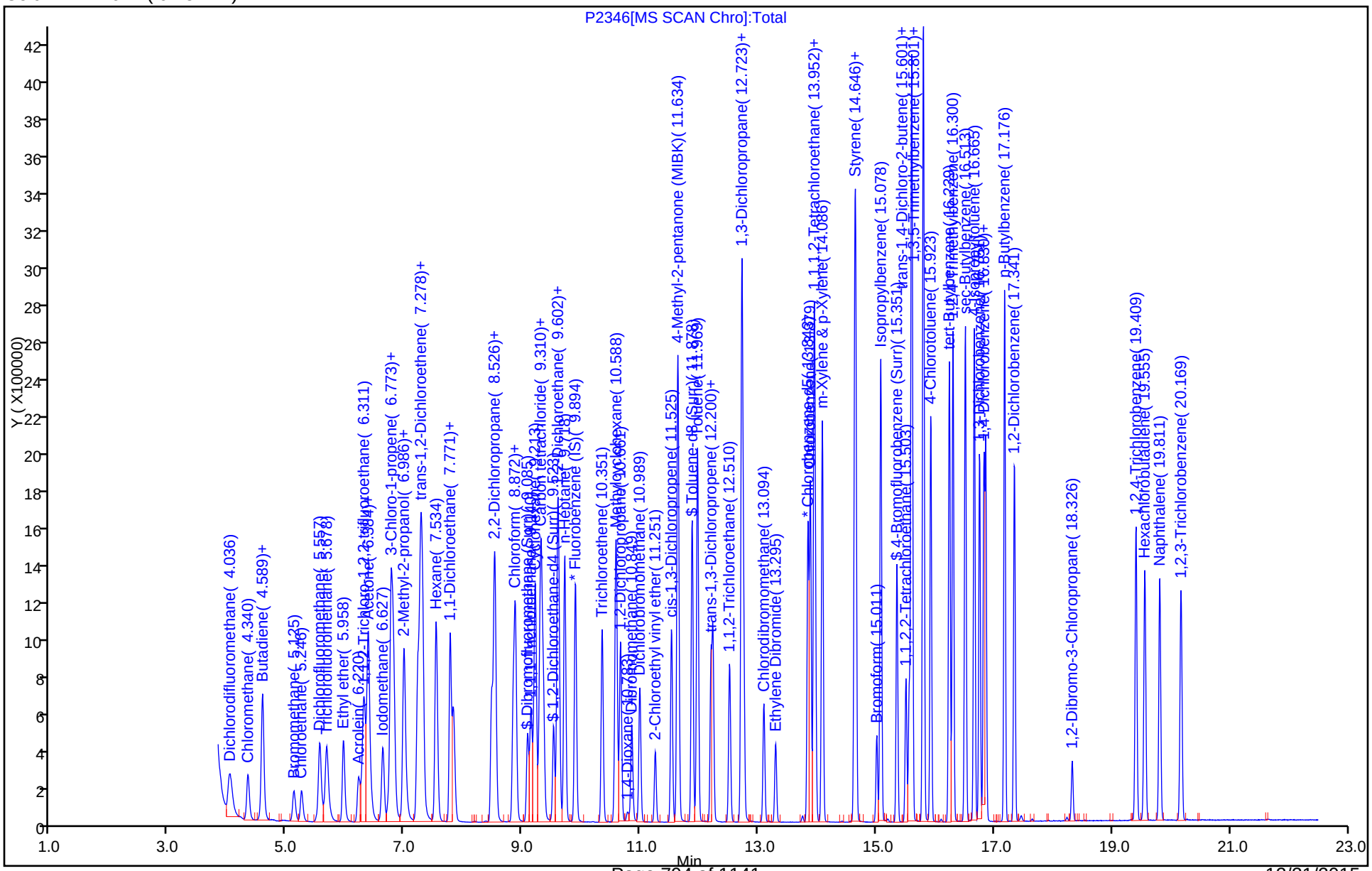
Report Date: 15-Dec-2015 00:33:23 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2346.D

Injection Date:	14-Dec-2015 23:57:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279815/2 Calibration Date: 12/15/2015 12:22

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2372.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	2.132	0.1000	67.1	50.0	34.1	50.0
Chloromethane	Ave	1.423	1.559	0.1000	54.8	50.0	9.6	20.0
Vinyl chloride	Ave	1.126	1.242	0.1000	55.2	50.0	10.3	20.0
Butadiene	Ave	1.035	1.245		60.2	50.0	20.4*	20.0
Bromomethane	Ave	0.6478	0.6736	0.1000	52.0	50.0	4.0	50.0
Chloroethane	Ave	0.7111	0.7575	0.1000	53.3	50.0	6.5	50.0
Dichlorofluoromethane	Ave	2.470	2.569		52.0	50.0	4.0	20.0
Trichlorofluoromethane	Ave	1.997	2.578	0.1000	64.5	50.0	29.0*	20.0
Ethyl ether	Ave	1.416	1.366		48.2	50.0	-3.5	20.0
Acrolein	Ave	0.3039	0.2863		236	250	-5.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.748	0.1000	52.4	50.0	4.9	20.0
1,1-Dichloroethene	Ave	1.668	1.641	0.1000	49.2	50.0	-1.6	20.0
Acetone	Ave	0.5730	0.6088	0.1000	266	250	6.3	50.0
Iodomethane	Ave	2.547	2.567		50.4	50.0	0.8	20.0
Methyl acetate	Ave	1.313	1.256	0.1000	239	250	-4.3	50.0
Carbon disulfide	Ave	5.168	5.322	0.1000	51.5	50.0	3.0	20.0
Allyl chloride	Ave	2.761	2.810		50.9	50.0	1.8	20.0
Methylene Chloride	Lin1		1.539	0.1000	52.9	50.0	5.9	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1921		516	500	3.2	50.0
Methyl tert-butyl ether	Ave	4.451	4.270	0.1000	48.0	50.0	-4.1	20.0
Acrylonitrile	Ave	0.6006	0.5811		484	500	-3.2	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.396	0.1000	49.6	50.0	-0.8	20.0
Hexane	Ave	2.756	2.653		48.1	50.0	-3.7	20.0
Vinyl acetate	Ave	3.377	3.635		108	100	7.6	20.0
1,1-Dichloroethane	Ave	3.128	3.044	0.2000	48.7	50.0	-2.7	20.0
2-Butanone (MEK)	Ave	0.8452	0.8473	0.1000	251	250	0.3	20.0
2,2-Dichloropropane	Ave	2.140	2.271		53.1	50.0	6.1	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.483	0.1000	48.6	50.0	-2.8	20.0
Chlorobromomethane	Ave	0.7304	0.7064		48.4	50.0	-3.3	20.0
Tetrahydrofuran	Ave	0.5503	0.5179		94.1	100	-5.9	20.0
Chloroform	Ave	2.693	2.681	0.2000	49.8	50.0	-0.4	20.0
1,1,1-Trichloroethane	Ave	1.791	2.003	0.1000	55.9	50.0	11.9	20.0
Cyclohexane	Ave	3.194	3.274	0.1000	51.2	50.0	2.5	20.0
Isobutyl alcohol	Ave	0.0811	0.0849		1310	1250	4.7	50.0
1,1-Dichloropropene	Ave	1.976	2.043		51.7	50.0	3.4	20.0
Carbon tetrachloride	Ave	1.996	2.286	0.1000	57.3	50.0	14.5	20.0
Benzene	Ave	5.514	5.415	0.5000	49.1	50.0	-1.8	20.0
1,2-Dichloroethane	Ave	2.489	2.361	0.1000	47.4	50.0	-5.2	20.0
n-Heptane	Ave	2.915	3.020		51.8	50.0	3.6	20.0
Trichloroethene	Ave	1.493	1.458	0.2000	48.8	50.0	-2.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279815/2 Calibration Date: 12/15/2015 12:22

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2372.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.667	0.1000	52.1	50.0	4.3	20.0
1,2-Dichloropropane	Ave	1.601	1.509	0.1000	47.1	50.0	-5.8	20.0
1,4-Dioxane	Ave	0.0061	0.0062		1010	1000	0.8	50.0
Dibromomethane	Ave	0.8832	0.8564	0.1000	48.5	50.0	-3.0	20.0
Bromodichloromethane	Ave	2.008	2.027	0.2000	50.5	50.0	1.0	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6737		114	50.0	127.7*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.309	0.2000	49.6	50.0	-0.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8483	0.1000	256	250	2.4	20.0
Toluene	Ave	1.776	1.637	0.4000	46.1	50.0	-7.8	20.0
Ethyl methacrylate	Ave	0.7749	0.7835		50.6	50.0	1.1	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.056	0.1000	51.8	50.0	3.6	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4834	0.1000	49.7	50.0	-0.7	20.0
Tetrachloroethene	Ave	0.6818	0.7040	0.2000	51.6	50.0	3.2	20.0
2-Hexanone	Ave	0.5703	0.5886	0.1000	258	250	3.2	20.0
1,3-Dichloropropane	Ave	0.9875	0.9660		48.9	50.0	-2.2	20.0
Dibromochloromethane	Ave	0.6656	0.7086	0.1000	53.2	50.0	6.5	20.0
1,2-Dibromoethane	Ave	0.6363	0.6248		49.1	50.0	-1.8	20.0
Chlorobenzene	Ave	1.935	1.915	0.5000	49.5	50.0	-1.0	20.0
Ethylbenzene	Ave	3.077	3.137	0.1000	51.0	50.0	1.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6790		51.7	50.0	3.4	20.0
m,p-Xylene	Ave	1.304	1.298	0.1000	49.8	50.0	-0.5	20.0
o-Xylene	Ave	1.313	1.279	0.3000	48.7	50.0	-2.6	20.0
Styrene	Ave	2.033	2.030	0.3000	49.9	50.0	-0.1	20.0
Bromoform	Ave	0.4187	0.4487	0.1000	53.6	50.0	7.2	50.0
Isopropylbenzene	Ave	3.544	3.662	0.1000	51.7	50.0	3.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8383	0.3000	50.0	50.0	-0.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3489		52.6	50.0	5.2	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2357		47.7	50.0	-4.6	20.0
Bromobenzene	Ave	0.8785	0.8238		46.9	50.0	-6.2	20.0
N-Propylbenzene	Ave	3.907	4.054		51.9	50.0	3.8	20.0
2-Chlorotoluene	Ave	0.7886	0.7772		49.3	50.0	-1.4	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.015		50.5	50.0	1.0	20.0
4-Chlorotoluene	Ave	0.8449	0.8510		50.4	50.0	0.7	20.0
tert-Butylbenzene	Ave	0.6316	0.6546		51.8	50.0	3.6	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.241		51.2	50.0	2.3	20.0
sec-Butylbenzene	Ave	3.900	4.178		53.6	50.0	7.1	20.0
4-Isopropyltoluene	Ave	3.235	3.381		52.3	50.0	4.5	20.0
1,3-Dichlorobenzene	Ave	1.685	1.647	0.6000	48.9	50.0	-2.2	20.0
1,4-Dichlorobenzene	Ave	1.631	1.577	0.5000	48.4	50.0	-3.3	20.0
n-Butylbenzene	Ave	3.083	3.338		54.1	50.0	8.3	20.0
1,2-Dichlorobenzene	Ave	1.684	1.652	0.4000	49.0	50.0	-1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279815/2 Calibration Date: 12/15/2015 12:22

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2372.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1892	0.0500	51.6	50.0	3.2	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.221	0.2000	51.5	50.0	3.1	20.0
Hexachlorobutadiene	Ave	1.314	1.398		53.2	50.0	6.4	20.0
Naphthalene	Ave	4.812	5.040		52.4	50.0	4.7	20.0
1,2,3-Trichlorobenzene	Ave	1.970	2.050		52.0	50.0	4.1	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.404		54.9	50.0	9.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8394		54.3	50.0	8.6	20.0
Toluene-d8 (Surr)	Ave	2.187	2.335		53.4	50.0	6.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7990		52.4	50.0	4.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2372.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Dec-2015 12:22:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049245-002
Operator ID: CDC Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 19:30:31 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK047

First Level Reviewer: fortaing Date: 15-Dec-2015 19:30:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	342178	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	693252	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	96	656014	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	92	480396	50.0	54.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	287222	50.0	54.3	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	94	1618468	50.0	53.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	553896	50.0	52.4	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	98	729477	50.0	67.1	
11 Chloromethane	50	4.340	4.340	0.000	99	533602	50.0	54.8	
17 Vinyl chloride	62	4.571	4.571	0.000	97	424953	50.0	55.2	
149 Butadiene	54	4.589	4.589	0.000	97	426171	50.0	60.2	
12 Bromomethane	94	5.119	5.119	0.000	95	230475	50.0	52.0	
13 Chloroethane	64	5.246	5.246	0.000	96	259205	50.0	53.3	
19 Dichlorofluoromethane	67	5.551	5.551	0.000	98	879094	50.0	52.0	
14 Trichlorofluoromethane	101	5.666	5.666	0.000	99	881977	50.0	64.5	
20 Ethyl ether	59	5.958	5.958	0.000	97	467257	50.0	48.2	
22 Acrolein	56	6.220	6.220	0.000	99	489794	250.0	235.5	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	94	598172	50.0	52.4	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	94	561344	50.0	49.2	
24 Acetone	43	6.390	6.390	0.000	98	1041661	250.0	265.6	
18 Iodomethane	142	6.627	6.627	0.000	99	878314	50.0	50.4	
30 Methyl acetate	43	6.767	6.767	0.000	100	2149377	250.0	239.2	
27 Carbon disulfide	76	6.773	6.773	0.000	100	1821238	50.0	51.5	
28 3-Chloro-1-propene	41	6.804	6.804	0.000	88	961388	50.0	50.9	
31 Methylene Chloride	84	6.980	6.980	0.000	94	526517	50.0	52.9	
33 2-Methyl-2-propanol	59	6.998	6.998	0.000	97	657272	500.0	515.8	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1461197	50.0	48.0	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1988370	500.0	483.8	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	477646	50.0	49.6	
36 Hexane	57	7.528	7.528	0.000	95	907861	50.0	48.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2487295	100.0	107.6	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	1041743	50.0	48.7	
44 2-Butanone (MEK)	43	8.471	8.471	0.000	98	1449663	250.0	250.6	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	87	507508	50.0	48.6	
45 2,2-Dichloropropane	77	8.525	8.525	0.000	90	777172	50.0	53.1	
50 Chlorobromomethane	128	8.836	8.836	0.000	91	241713	50.0	48.4	
51 Tetrahydrofuran	42	8.866	8.866	0.000	92	354444	100.0	94.1	
49 Chloroform	83	8.878	8.878	0.000	96	917330	50.0	49.8	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	97	685437	50.0	55.9	
54 Cyclohexane	56	9.213	9.213	0.000	95	1120186	50.0	51.2	
53 Isobutyl alcohol	43	9.292	9.292	0.000	96	726040	1250.0	1308.5	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	90	699042	50.0	51.7	
55 Carbon tetrachloride	117	9.347	9.347	0.000	96	782071	50.0	57.3	
57 Benzene	78	9.596	9.596	0.000	98	1852890	50.0	49.1	
60 1,2-Dichloroethane	62	9.620	9.620	0.000	97	807792	50.0	47.4	
59 n-Heptane	43	9.712	9.712	0.000	97	1033346	50.0	51.8	
62 Trichloroethene	95	10.350	10.350	0.000	94	499058	50.0	48.8	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	912709	50.0	52.1	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	92	516199	50.0	47.1	
68 1,4-Dioxane	88	10.782	10.782	0.000	98	85825	1000.0	1007.7	
69 Dibromomethane	93	10.849	10.849	0.000	96	293038	50.0	48.5	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	693631	50.0	50.5	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	91	230528	50.0	113.9	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	790014	50.0	49.6	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2940465	250.0	256.0	
76 Toluene	92	11.969	11.969	0.000	97	1134903	50.0	46.1	
77 Ethyl methacrylate	69	12.194	12.194	0.000	96	543128	50.0	50.6	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	99	732144	50.0	51.8	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	335101	50.0	49.7	
80 Tetrachloroethene	166	12.711	12.711	0.000	91	488012	50.0	51.6	
83 2-Hexanone	43	12.723	12.723	0.000	98	2040329	250.0	258.1	
82 1,3-Dichloropropane	76	12.747	12.747	0.000	98	669648	50.0	48.9	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	491245	50.0	53.2	
85 Ethylene Dibromide	107	13.289	13.289	0.000	98	433155	50.0	49.1	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1327568	50.0	49.5	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2174586	50.0	51.0	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	470683	50.0	51.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	900097	50.0	49.8	
93 o-Xylene	106	14.633	14.633	0.000	95	886346	50.0	48.7	
94 Styrene	104	14.652	14.652	0.000	93	1407268	50.0	49.9	
92 Bromoform	173	15.011	15.011	0.000	95	311067	50.0	53.6	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	2402184	50.0	51.7	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	549914	50.0	50.0	
98 trans-1,4-Dichloro-2-buten	53	15.552	15.552	0.000	80	228871	50.0	52.6	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	74	154636	50.0	47.7	
100 Bromobenzene	156	15.595	15.595	0.000	93	540408	50.0	46.9	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2659349	50.0	51.9	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	509881	50.0	49.3	
102 1,3,5-Trimethylbenzene	105	15.801	15.801	0.000	93	1977634	50.0	50.5	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	558256	50.0	50.4	
106 tert-Butylbenzene	134	16.239	16.239	0.000	93	429429	50.0	51.8	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	2126085	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2740512	50.0	53.6	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2218282	50.0	52.3	
110 1,3-Dichlorobenzene	146	16.750	16.750	0.000	96	1080551	50.0	48.9	
111 1,4-Dichlorobenzene	146	16.854	16.854	0.000	92	1034554	50.0	48.4	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2189793	50.0	54.1	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	1083491	50.0	49.0	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	93	124139	50.0	51.6	
119 1,2,4-Trichlorobenzene	180	19.403	19.403	0.000	94	800819	50.0	51.5	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	478318	50.0	53.2	
121 Naphthalene	128	19.810	19.810	0.000	97	1724718	50.0	52.4	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	95	701414	50.0	52.0	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00126	Amount Added: 25.00	Units: uL	
P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

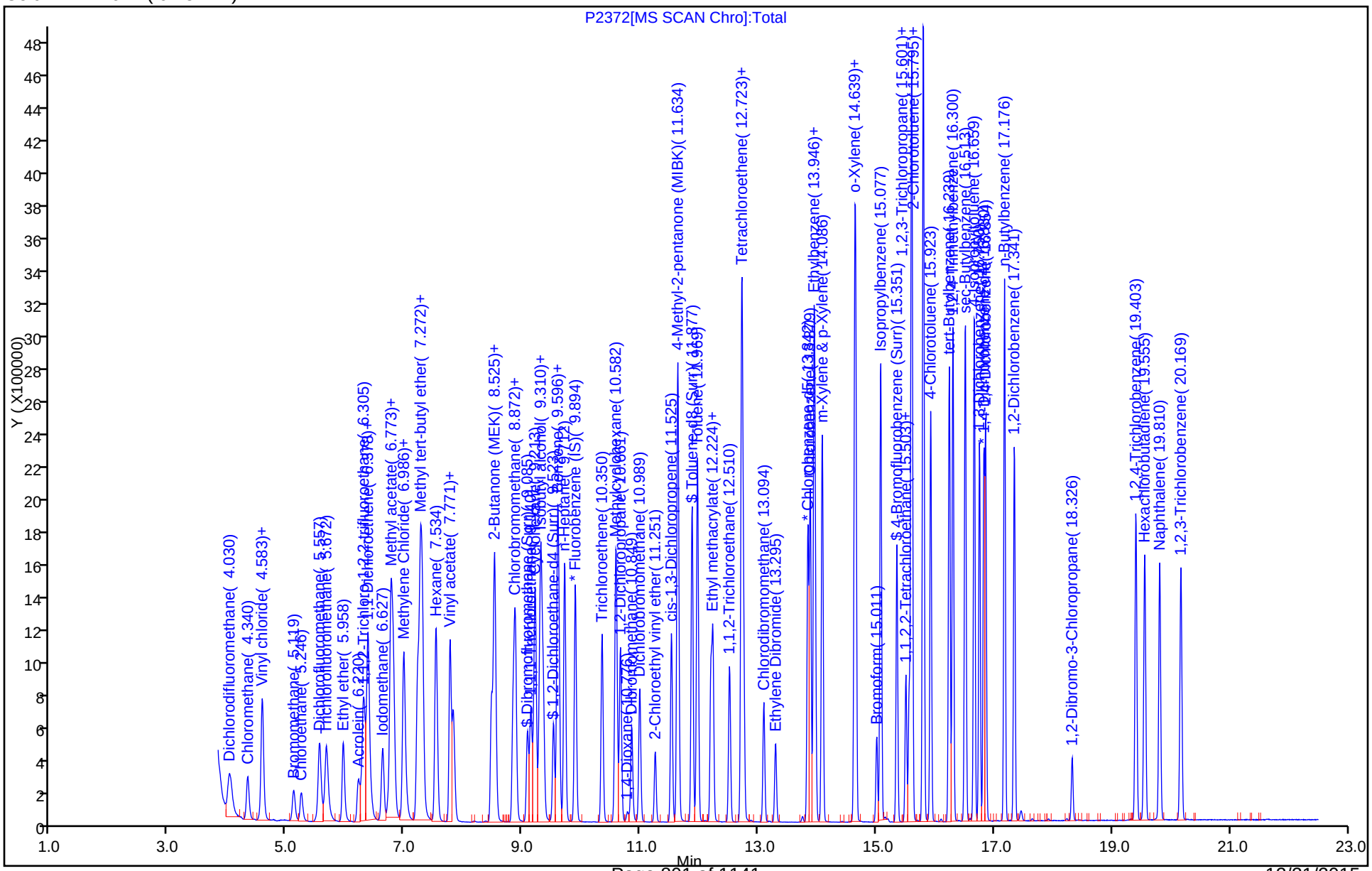
Report Date: 15-Dec-2015 19:30:34 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2372.D

Injection Date:	15-Dec-2015 12:22:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279989/3 Calibration Date: 12/16/2015 09:33

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2400.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.963	0.1000	61.8	50.0	23.5	50.0
Chloromethane	Ave	1.423	1.459	0.1000	51.3	50.0	2.6	20.0
Vinyl chloride	Ave	1.126	1.149	0.1000	51.0	50.0	2.1	20.0
Butadiene	Ave	1.035	1.152		55.6	50.0	11.3	20.0
Bromomethane	Ave	0.6478	0.6273	0.1000	48.4	50.0	-3.2	50.0
Chloroethane	Ave	0.7111	0.7362	0.1000	51.8	50.0	3.5	50.0
Dichlorofluoromethane	Ave	2.470	2.450		49.6	50.0	-0.8	20.0
Trichlorofluoromethane	Ave	1.997	2.487	0.1000	62.3	50.0	24.5*	20.0
Ethyl ether	Ave	1.416	1.308		46.2	50.0	-7.6	20.0
Acrolein	Ave	0.3039	0.2780		229	250	-8.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.623	0.1000	48.7	50.0	-2.6	20.0
1,1-Dichloroethene	Ave	1.668	1.500	0.1000	45.0	50.0	-10.1	20.0
Acetone	Ave	0.5730	0.6154	0.1000	269	250	7.4	50.0
Iodomethane	Ave	2.547	2.390		46.9	50.0	-6.2	20.0
Methyl acetate	Ave	1.313	1.246	0.1000	237	250	-5.1	50.0
Carbon disulfide	Ave	5.168	4.901	0.1000	47.4	50.0	-5.2	20.0
Allyl chloride	Ave	2.761	2.648		48.0	50.0	-4.1	20.0
Methylene Chloride	Lin1		1.463	0.1000	50.2	50.0	0.4	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1810		486	500	-2.8	50.0
Methyl tert-butyl ether	Ave	4.451	4.075	0.1000	45.8	50.0	-8.4	20.0
Acrylonitrile	Ave	0.6006	0.5596		466	500	-6.8	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.283	0.1000	45.6	50.0	-8.9	20.0
Hexane	Ave	2.756	2.379		43.2	50.0	-13.7	20.0
Vinyl acetate	Ave	3.377	3.460		102	100	2.5	20.0
1,1-Dichloroethane	Ave	3.128	2.823	0.2000	45.1	50.0	-9.8	20.0
2-Butanone (MEK)	Ave	0.8452	0.8253	0.1000	244	250	-2.3	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.361	0.1000	44.6	50.0	-10.8	20.0
2,2-Dichloropropane	Ave	2.140	2.102		49.1	50.0	-1.7	20.0
Chlorobromomethane	Ave	0.7304	0.6672		45.7	50.0	-8.6	20.0
Tetrahydrofuran	Ave	0.5503	0.5032		91.4	100	-8.6	20.0
Chloroform	Ave	2.693	2.506	0.2000	46.5	50.0	-6.9	20.0
1,1,1-Trichloroethane	Ave	1.791	1.834	0.1000	51.2	50.0	2.4	20.0
Cyclohexane	Ave	3.194	2.956	0.1000	46.3	50.0	-7.5	20.0
Isobutyl alcohol	Ave	0.0811	0.0792		1220	1250	-2.4	50.0
1,1-Dichloropropene	Ave	1.976	1.855		46.9	50.0	-6.1	20.0
Carbon tetrachloride	Ave	1.996	2.109	0.1000	52.8	50.0	5.7	20.0
Benzene	Ave	5.514	4.992	0.5000	45.3	50.0	-9.5	20.0
1,2-Dichloroethane	Ave	2.489	2.254	0.1000	45.3	50.0	-9.5	20.0
n-Heptane	Ave	2.915	2.758		47.3	50.0	-5.4	20.0
Trichloroethene	Ave	1.493	1.345	0.2000	45.0	50.0	-9.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279989/3 Calibration Date: 12/16/2015 09:33

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2400.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.449	0.1000	47.9	50.0	-4.3	20.0
1,2-Dichloropropane	Ave	1.601	1.416	0.1000	44.2	50.0	-11.6	20.0
1,4-Dioxane	Ave	0.0061	0.0056		911	1000	-8.9	50.0
Dibromomethane	Ave	0.8832	0.8123	0.1000	46.0	50.0	-8.0	20.0
Bromodichloromethane	Ave	2.008	1.896	0.2000	47.2	50.0	-5.6	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6089		103	50.0	105.8*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.165	0.2000	46.5	50.0	-6.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8106	0.1000	245	250	-2.1	20.0
Toluene	Ave	1.776	1.499	0.4000	42.2	50.0	-15.6	20.0
Ethyl methacrylate	Ave	0.7749	0.7329		47.3	50.0	-5.4	20.0
trans-1,3-Dichloropropene	Ave	1.019	0.9836	0.1000	48.2	50.0	-3.5	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4536	0.1000	46.6	50.0	-6.8	20.0
Tetrachloroethene	Ave	0.6818	0.6317	0.2000	46.3	50.0	-7.4	20.0
2-Hexanone	Ave	0.5703	0.5731	0.1000	251	250	0.5	20.0
1,3-Dichloropropane	Ave	0.9875	0.9119		46.2	50.0	-7.7	20.0
Dibromochloromethane	Ave	0.6656	0.6637	0.1000	49.9	50.0	-0.3	20.0
1,2-Dibromoethane	Ave	0.6363	0.5847		45.9	50.0	-8.1	20.0
Chlorobenzene	Ave	1.935	1.751	0.5000	45.2	50.0	-9.5	20.0
Ethylbenzene	Ave	3.077	2.868	0.1000	46.6	50.0	-6.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6273		47.8	50.0	-4.5	20.0
m,p-Xylene	Ave	1.304	1.193	0.1000	45.7	50.0	-8.5	20.0
o-Xylene	Ave	1.313	1.171	0.3000	44.6	50.0	-10.8	20.0
Styrene	Ave	2.033	1.848	0.3000	45.5	50.0	-9.1	20.0
Bromoform	Ave	0.4187	0.4184	0.1000	50.0	50.0	-0.0	50.0
Isopropylbenzene	Ave	3.544	3.316	0.1000	46.8	50.0	-6.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.7944	0.3000	47.4	50.0	-5.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3340		50.3	50.0	0.7	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2252		45.6	50.0	-8.9	20.0
Bromobenzene	Ave	0.8785	0.7665		43.6	50.0	-12.7	20.0
N-Propylbenzene	Ave	3.907	3.675		47.0	50.0	-6.0	20.0
2-Chlorotoluene	Ave	0.7886	0.7088		44.9	50.0	-10.1	20.0
1,3,5-Trimethylbenzene	Ave	2.985	2.717		45.5	50.0	-9.0	20.0
4-Chlorotoluene	Ave	0.8449	0.7709		45.6	50.0	-8.8	20.0
tert-Butylbenzene	Ave	0.6316	0.5795		45.9	50.0	-8.2	20.0
1,2,4-Trimethylbenzene	Ave	3.167	2.946		46.5	50.0	-7.0	20.0
sec-Butylbenzene	Ave	3.900	3.742		48.0	50.0	-4.1	20.0
4-Isopropyltoluene	Ave	3.235	3.067		47.4	50.0	-5.2	20.0
1,3-Dichlorobenzene	Ave	1.685	1.513	0.6000	44.9	50.0	-10.2	20.0
1,4-Dichlorobenzene	Ave	1.631	1.443	0.5000	44.2	50.0	-11.5	20.0
n-Butylbenzene	Ave	3.083	2.986		48.4	50.0	-3.1	20.0
1,2-Dichlorobenzene	Ave	1.684	1.522	0.4000	45.2	50.0	-9.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-279989/3 Calibration Date: 12/16/2015 09:33

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2400.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1731	0.0500	47.2	50.0	-5.6	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.108	0.2000	46.8	50.0	-6.4	20.0
Hexachlorobutadiene	Ave	1.314	1.264		48.1	50.0	-3.8	20.0
Naphthalene	Ave	4.812	4.855		50.4	50.0	0.9	20.0
1,2,3-Trichlorobenzene	Ave	1.970	1.914		48.6	50.0	-2.8	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.337		52.2	50.0	4.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8070		52.2	50.0	4.4	20.0
Toluene-d8 (Surr)	Ave	2.187	2.186		50.0	50.0	-0.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7393		48.5	50.0	-3.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2400.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Dec-2015 09:33:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049276-003
Operator ID: CDC Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 13:38:37 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 10:10:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	97	345053	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.837	13.837	0.000	89	710796	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	675679	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.079	9.079	0.000	92	461190	50.0	52.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	278464	50.0	52.2	
$ 5 Toluene-d8 (Surr)	98	11.872	11.872	0.000	94	1553676	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	525499	50.0	48.5	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	677475	50.0	61.8	
11 Chloromethane	50	4.334	4.334	0.000	99	503577	50.0	51.3	
17 Vinyl chloride	62	4.565	4.565	0.000	98	396476	50.0	51.0	
149 Butadiene	54	4.590	4.590	0.000	99	397387	50.0	55.6	
12 Bromomethane	94	5.119	5.119	0.000	94	216450	50.0	48.4	
13 Chloroethane	64	5.240	5.240	0.000	96	254033	50.0	51.8	
19 Dichlorofluoromethane	67	5.551	5.551	0.000	98	845482	50.0	49.6	
14 Trichlorofluoromethane	101	5.666	5.666	0.000	98	858182	50.0	62.3	
20 Ethyl ether	59	5.952	5.952	0.000	97	451337	50.0	46.2	
22 Acrolein	56	6.214	6.214	0.000	97	479635	250.0	228.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	95	559958	50.0	48.7	
25 1,1-Dichloroethene	96	6.372	6.372	0.000	94	517627	50.0	45.0	
24 Acetone	43	6.390	6.390	0.000	98	1061780	250.0	268.5	
18 Iodomethane	142	6.628	6.628	0.000	99	824668	50.0	46.9	
30 Methyl acetate	43	6.761	6.761	0.000	100	2149816	250.0	237.3	
27 Carbon disulfide	76	6.774	6.774	0.000	100	1691112	50.0	47.4	
28 3-Chloro-1-propene	41	6.804	6.804	0.000	91	913639	50.0	48.0	
31 Methylene Chloride	84	6.980	6.980	0.000	94	504886	50.0	50.2	
33 2-Methyl-2-propanol	59	6.993	6.993	0.000	97	624391	500.0	485.9	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1406014	50.0	45.8	
34 Acrylonitrile	53	7.266	7.266	0.000	95	1930955	500.0	465.9	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	442671	50.0	45.6	
36 Hexane	57	7.528	7.528	0.000	95	820842	50.0	43.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.765	7.765	0.000	97	2387554	100.0	102.5	
40 1,1-Dichloroethane	63	7.820	7.820	0.000	97	974128	50.0	45.1	
44 2-Butanone (MEK)	43	8.471	8.471	0.000	98	1423903	250.0	244.1	
43 cis-1,2-Dichloroethene	96	8.520	8.520	0.000	87	469651	50.0	44.6	
45 2,2-Dichloropropane	77	8.526	8.526	0.000	91	725461	50.0	49.1	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	230232	50.0	45.7	
51 Tetrahydrofuran	42	8.866	8.866	0.000	91	347237	100.0	91.4	
49 Chloroform	83	8.878	8.878	0.000	96	864872	50.0	46.5	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	98	632945	50.0	51.2	
54 Cyclohexane	56	9.213	9.213	0.000	96	1019869	50.0	46.3	
53 Isobutyl alcohol	43	9.286	9.286	0.000	95	682800	1250.0	1220.3	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	90	640042	50.0	46.9	
55 Carbon tetrachloride	117	9.347	9.347	0.000	96	727634	50.0	52.8	
57 Benzene	78	9.590	9.590	0.000	98	1722604	50.0	45.3	
60 1,2-Dichloroethane	62	9.615	9.615	0.000	97	777660	50.0	45.3	
59 n-Heptane	43	9.712	9.712	0.000	97	951666	50.0	47.3	
62 Trichloroethene	95	10.345	10.345	0.000	95	464043	50.0	45.0	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	845014	50.0	47.9	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	90	488440	50.0	44.2	
68 1,4-Dioxane	88	10.783	10.783	0.000	97	79547	1000.0	910.9	
69 Dibromomethane	93	10.850	10.850	0.000	95	280269	50.0	46.0	
70 Dichlorobromomethane	83	10.983	10.983	0.000	98	654071	50.0	47.2	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	90	210110	50.0	102.9	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	747207	50.0	46.5	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2880965	250.0	244.6	
76 Toluene	92	11.969	11.969	0.000	97	1065753	50.0	42.2	
77 Ethyl methacrylate	69	12.194	12.194	0.000	96	520927	50.0	47.3	
78 trans-1,3-Dichloropropene	75	12.224	12.224	0.000	99	699120	50.0	48.2	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	322390	50.0	46.6	
80 Tetrachloroethene	166	12.711	12.711	0.000	91	448999	50.0	46.3	
83 2-Hexanone	43	12.723	12.723	0.000	99	2036919	250.0	251.3	
82 1,3-Dichloropropane	76	12.748	12.748	0.000	98	648186	50.0	46.2	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	471725	50.0	49.9	
85 Ethylene Dibromide	107	13.289	13.289	0.000	99	415575	50.0	45.9	
87 Chlorobenzene	112	13.879	13.879	0.000	92	1244431	50.0	45.2	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2038506	50.0	46.6	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	92	445864	50.0	47.8	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	848041	50.0	45.7	
93 o-Xylene	106	14.634	14.634	0.000	98	832376	50.0	44.6	
94 Styrene	104	14.652	14.652	0.000	92	1313586	50.0	45.5	
92 Bromoform	173	15.011	15.011	0.000	96	297397	50.0	50.0	
95 Isopropylbenzene	105	15.078	15.078	0.000	97	2240706	50.0	46.8	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	536758	50.0	47.4	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	81	225659	50.0	50.3	
101 1,2,3-Trichloropropane	110	15.589	15.589	0.000	66	152146	50.0	45.6	
100 Bromobenzene	156	15.595	15.595	0.000	92	517930	50.0	43.6	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2482821	50.0	47.0	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	478928	50.0	44.9	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	1835524	50.0	45.5	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	520864	50.0	45.6	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	391554	50.0	45.9	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	1990423	50.0	46.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.507	16.507	0.000	95	2528253	50.0	48.0	
112 4-Isopropyltoluene	119	16.659	16.659	0.000	97	2072498	50.0	47.4	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	1022460	50.0	44.9	
111 1,4-Dichlorobenzene	146	16.854	16.854	0.000	91	974862	50.0	44.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2017797	50.0	48.4	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	1028310	50.0	45.2	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	88	116977	50.0	47.2	
119 1,2,4-Trichlorobenzene	180	19.403	19.403	0.000	94	748796	50.0	46.8	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	436303	50.0	48.1	
121 Naphthalene	128	19.805	19.805	0.000	98	1675130	50.0	50.4	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	95	660506	50.0	48.6	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00126	Amount Added: 25.00	Units: uL	
P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

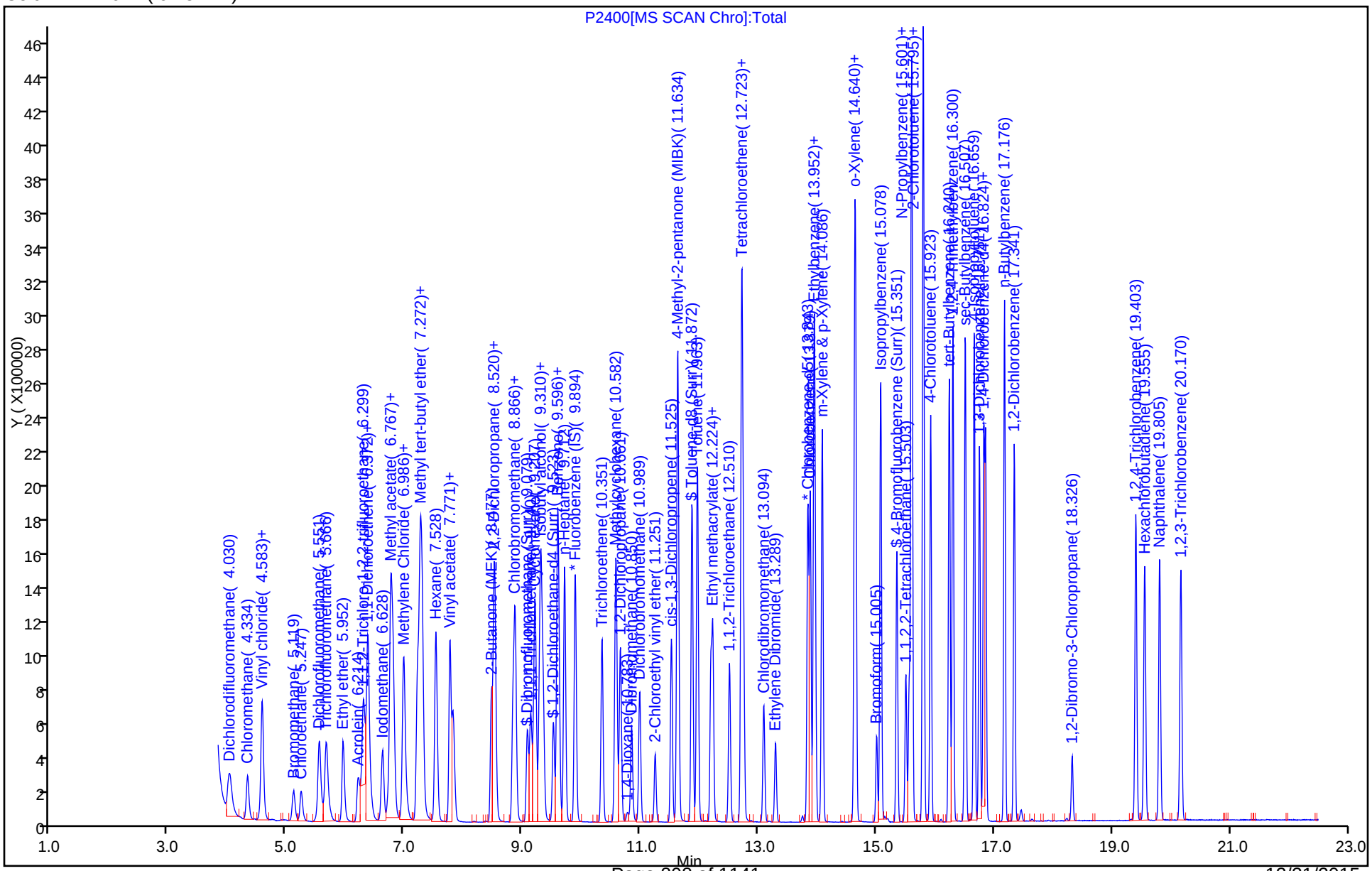
Report Date: 16-Dec-2015 13:38:39 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2400.D

Injection Date:	16-Dec-2015 09:33:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280185/3 Calibration Date: 12/16/2015 20:45

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2422.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	2.260	0.1000	71.1	50.0	42.2	50.0
Chloromethane	Ave	1.423	1.687	0.1000	59.3	50.0	18.6	20.0
Vinyl chloride	Ave	1.126	1.375	0.1000	61.1	50.0	22.1*	20.0
Butadiene	Ave	1.035	1.335		64.5	50.0	29.0*	20.0
Bromomethane	Ave	0.6478	0.7098	0.1000	54.8	50.0	9.6	50.0
Chloroethane	Ave	0.7111	0.8096	0.1000	56.9	50.0	13.9	50.0
Dichlorofluoromethane	Ave	2.470	2.730		55.3	50.0	10.6	20.0
Trichlorofluoromethane	Ave	1.997	2.768	0.1000	69.3	50.0	38.6*	20.0
Ethyl ether	Ave	1.416	1.450		51.2	50.0	2.5	20.0
Acrolein	Ave	0.3039	0.3134		258	250	3.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.820	0.1000	54.6	50.0	9.2	20.0
1,1-Dichloroethene	Ave	1.668	1.727	0.1000	51.8	50.0	3.6	20.0
Acetone	Ave	0.5730	0.6891	0.1000	301	250	20.3	50.0
Iodomethane	Ave	2.547	2.666		52.3	50.0	4.7	20.0
Methyl acetate	Ave	1.313	1.364	0.1000	260	250	3.9	50.0
Carbon disulfide	Ave	5.168	5.745	0.1000	55.6	50.0	11.2	20.0
Allyl chloride	Ave	2.761	2.978		53.9	50.0	7.9	20.0
Methylene Chloride	Lin1		1.620	0.1000	55.9	50.0	11.7	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1906		512	500	2.3	50.0
Methyl tert-butyl ether	Ave	4.451	4.486	0.1000	50.4	50.0	0.8	20.0
Acrylonitrile	Ave	0.6006	0.6292		524	500	4.8	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.448	0.1000	51.4	50.0	2.8	20.0
Hexane	Ave	2.756	2.748		49.9	50.0	-0.3	20.0
Vinyl acetate	Ave	3.377	3.891		115	100	15.2	20.0
1,1-Dichloroethane	Ave	3.128	3.216	0.2000	51.4	50.0	2.8	20.0
2-Butanone (MEK)	Ave	0.8452	0.9227	0.1000	273	250	9.2	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.534	0.1000	50.2	50.0	0.5	20.0
2,2-Dichloropropane	Ave	2.140	2.393		55.9	50.0	11.8	20.0
Chlorobromomethane	Ave	0.7304	0.7373		50.5	50.0	0.9	20.0
Tetrahydrofuran	Ave	0.5503	0.5610		102	100	1.9	20.0
Chloroform	Ave	2.693	2.766	0.2000	51.4	50.0	2.7	20.0
1,1,1-Trichloroethane	Ave	1.791	2.113	0.1000	59.0	50.0	18.0	20.0
Cyclohexane	Ave	3.194	3.435	0.1000	53.8	50.0	7.5	20.0
Isobutyl alcohol	Ave	0.0811	0.0861		1330	1250	6.2	50.0
1,1-Dichloropropene	Ave	1.976	2.127		53.8	50.0	7.6	20.0
Carbon tetrachloride	Ave	1.996	2.380	0.1000	59.6	50.0	19.2	20.0
Benzene	Ave	5.514	5.734	0.5000	52.0	50.0	4.0	20.0
1,2-Dichloroethane	Ave	2.489	2.464	0.1000	49.5	50.0	-1.0	20.0
n-Heptane	Ave	2.915	3.154		54.1	50.0	8.2	20.0
Trichloroethene	Ave	1.493	1.528	0.2000	51.2	50.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280185/3 Calibration Date: 12/16/2015 20:45

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2422.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.788	0.1000	54.5	50.0	9.0	20.0
1,2-Dichloropropane	Ave	1.601	1.587	0.1000	49.6	50.0	-0.8	20.0
1,4-Dioxane	Ave	0.0061	0.0058		939	1000	-6.1	50.0
Dibromomethane	Ave	0.8832	0.9078	0.1000	51.4	50.0	2.8	20.0
Bromodichloromethane	Ave	2.008	2.076	0.2000	51.7	50.0	3.4	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.7220		122	50.0	144.0*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.431	0.2000	52.2	50.0	4.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.9120	0.1000	275	250	10.1	20.0
Toluene	Ave	1.776	1.693	0.4000	47.7	50.0	-4.6	20.0
Ethyl methacrylate	Ave	0.7749	0.8272		53.4	50.0	6.7	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.097	0.1000	53.8	50.0	7.6	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4978	0.1000	51.1	50.0	2.3	20.0
Tetrachloroethene	Ave	0.6818	0.7121	0.2000	52.2	50.0	4.4	20.0
2-Hexanone	Ave	0.5703	0.6344	0.1000	278	250	11.2	20.0
1,3-Dichloropropane	Ave	0.9875	0.997		50.5	50.0	1.0	20.0
Dibromochloromethane	Ave	0.6656	0.7184	0.1000	54.0	50.0	7.9	20.0
1,2-Dibromoethane	Ave	0.6363	0.6417		50.4	50.0	0.8	20.0
Chlorobenzene	Ave	1.935	1.952	0.5000	50.4	50.0	0.9	20.0
Ethylbenzene	Ave	3.077	3.225	0.1000	52.4	50.0	4.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6899		52.5	50.0	5.1	20.0
m,p-Xylene	Ave	1.304	1.337	0.1000	51.2	50.0	2.5	20.0
o-Xylene	Ave	1.313	1.320	0.3000	50.3	50.0	0.6	20.0
Styrene	Ave	2.033	2.060	0.3000	50.7	50.0	1.4	20.0
Bromoform	Ave	0.4187	0.4637	0.1000	55.4	50.0	10.7	50.0
Isopropylbenzene	Ave	3.544	3.853	0.1000	54.4	50.0	8.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8860	0.3000	52.8	50.0	5.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3721		56.1	50.0	12.2	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2512		50.8	50.0	1.7	20.0
Bromobenzene	Ave	0.8785	0.8592		48.9	50.0	-2.2	20.0
N-Propylbenzene	Ave	3.907	4.201		53.8	50.0	7.5	20.0
2-Chlorotoluene	Ave	0.7886	0.8001		50.7	50.0	1.5	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.122		52.3	50.0	4.6	20.0
4-Chlorotoluene	Ave	0.8449	0.8708		51.5	50.0	3.1	20.0
tert-Butylbenzene	Ave	0.6316	0.6596		52.2	50.0	4.4	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.324		52.5	50.0	5.0	20.0
sec-Butylbenzene	Ave	3.900	4.292		55.0	50.0	10.0	20.0
4-Isopropyltoluene	Ave	3.235	3.474		53.7	50.0	7.4	20.0
1,3-Dichlorobenzene	Ave	1.685	1.696	0.6000	50.3	50.0	0.7	20.0
1,4-Dichlorobenzene	Ave	1.631	1.607	0.5000	49.3	50.0	-1.4	20.0
n-Butylbenzene	Ave	3.083	3.381		54.8	50.0	9.7	20.0
1,2-Dichlorobenzene	Ave	1.684	1.684	0.4000	50.0	50.0	0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280185/3 Calibration Date: 12/16/2015 20:45

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2422.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1958	0.0500	53.4	50.0	6.8	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.220	0.2000	51.5	50.0	3.0	20.0
Hexachlorobutadiene	Ave	1.314	1.378		52.4	50.0	4.9	20.0
Naphthalene	Ave	4.812	5.057		52.5	50.0	5.1	20.0
1,2,3-Trichlorobenzene	Ave	1.970	2.052		52.1	50.0	4.2	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.326		51.8	50.0	3.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8173		52.9	50.0	5.8	20.0
Toluene-d8 (Surr)	Ave	2.187	2.222		50.8	50.0	1.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7365		48.3	50.0	-3.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2422.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Dec-2015 20:45:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049318-003
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 21:24:45 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 21:24:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	351669	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	88	721382	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	666436	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	92	466283	50.0	51.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	287432	50.0	52.9	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1602961	50.0	50.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	531286	50.0	48.3	
10 Dichlorodifluoromethane	85	4.042	4.042	0.000	99	794930	50.0	71.1	
11 Chloromethane	50	4.340	4.340	0.000	99	593148	50.0	59.3	
17 Vinyl chloride	62	4.571	4.571	0.000	98	483452	50.0	61.1	
149 Butadiene	54	4.590	4.590	0.000	98	469341	50.0	64.5	
12 Bromomethane	94	5.119	5.119	0.000	94	249619	50.0	54.8	
13 Chloroethane	64	5.253	5.253	0.000	96	284700	50.0	56.9	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	960166	50.0	55.3	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	98	973360	50.0	69.3	
20 Ethyl ether	59	5.964	5.964	0.000	99	510026	50.0	51.2	
22 Acrolein	56	6.220	6.220	0.000	99	550984	250.0	257.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	640195	50.0	54.6	
25 1,1-Dichloroethene	96	6.372	6.372	0.000	93	607468	50.0	51.8	
24 Acetone	43	6.396	6.396	0.000	97	1211609	250.0	300.6	
18 Iodomethane	142	6.634	6.634	0.000	100	937478	50.0	52.3	
30 Methyl acetate	43	6.767	6.767	0.000	100	2398715	250.0	259.8	
27 Carbon disulfide	76	6.780	6.780	0.000	99	2020229	50.0	55.6	
28 3-Chloro-1-propene	41	6.804	6.804	0.000	89	1047325	50.0	53.9	
31 Methylene Chloride	84	6.986	6.986	0.000	94	569645	50.0	55.9	
33 2-Methyl-2-propanol	59	7.005	7.005	0.000	97	670168	500.0	511.7	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1577534	50.0	50.4	
34 Acrylonitrile	53	7.272	7.272	0.000	96	2212724	500.0	523.8	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	93	509064	50.0	51.4	
36 Hexane	57	7.534	7.534	0.000	95	966521	50.0	49.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2736525	100.0	115.2	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	1130943	50.0	51.4	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1622451	250.0	272.9	
43 cis-1,2-Dichloroethene	96	8.520	8.520	0.000	87	539415	50.0	50.2	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	90	841383	50.0	55.9	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	259295	50.0	50.5	
51 Tetrahydrofuran	42	8.872	8.872	0.000	92	394542	100.0	101.9	
49 Chloroform	83	8.878	8.878	0.000	96	972816	50.0	51.4	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	98	742959	50.0	59.0	
54 Cyclohexane	56	9.213	9.213	0.000	96	1207869	50.0	53.8	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	757180	1250.0	1327.8	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	90	747953	50.0	53.8	
55 Carbon tetrachloride	117	9.347	9.347	0.000	97	836896	50.0	59.6	
57 Benzene	78	9.596	9.596	0.000	98	2016309	50.0	52.0	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	97	866591	50.0	49.5	
59 n-Heptane	43	9.712	9.712	0.000	98	1109319	50.0	54.1	
62 Trichloroethene	95	10.351	10.351	0.000	95	537453	50.0	51.2	
64 Methylcyclohexane	83	10.588	10.588	0.000	99	980515	50.0	54.5	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	92	558203	50.0	49.6	
68 1,4-Dioxane	88	10.789	10.789	0.000	98	83203	1000.0	938.8	
69 Dibromomethane	93	10.850	10.850	0.000	96	319248	50.0	51.4	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	730008	50.0	51.7	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	253911	50.0	122.0	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	92	854844	50.0	52.2	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	3289454	250.0	275.2	
76 Toluene	92	11.969	11.969	0.000	97	1221648	50.0	47.7	
77 Ethyl methacrylate	69	12.194	12.194	0.000	96	596739	50.0	53.4	
78 trans-1,3-Dichloropropene	75	12.231	12.231	0.000	99	791007	50.0	53.8	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	359085	50.0	51.1	
80 Tetrachloroethene	166	12.711	12.711	0.000	90	513722	50.0	52.2	
83 2-Hexanone	43	12.723	12.723	0.000	99	2288201	250.0	278.1	
82 1,3-Dichloropropane	76	12.748	12.748	0.000	97	719279	50.0	50.5	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	518247	50.0	54.0	
85 Ethylene Dibromide	107	13.289	13.289	0.000	99	462937	50.0	50.4	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1407812	50.0	50.4	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2326310	50.0	52.4	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	497672	50.0	52.5	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	964264	50.0	51.2	
93 o-Xylene	106	14.634	14.634	0.000	95	952545	50.0	50.3	
94 Styrene	104	14.652	14.652	0.000	93	1486210	50.0	50.7	
92 Bromoform	173	15.011	15.011	0.000	95	334512	50.0	55.4	
95 Isopropylbenzene	105	15.078	15.078	0.000	96	2567636	50.0	54.4	
97 1,1,2,2-Tetrachloroethane	83	15.504	15.504	0.000	96	590433	50.0	52.8	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	82	248009	50.0	56.1	
100 Bromobenzene	156	15.595	15.595	0.000	92	572593	50.0	48.9	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	73	167403	50.0	50.8	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2799583	50.0	53.8	
103 2-Chlorotoluene	126	15.796	15.796	0.000	93	533241	50.0	50.7	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	2080420	50.0	52.3	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	580307	50.0	51.5	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	439610	50.0	52.2	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	2215088	50.0	52.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2860023	50.0	55.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2315213	50.0	53.7	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	1130314	50.0	50.3	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1071278	50.0	49.3	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2253461	50.0	54.8	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	1122603	50.0	50.0	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	130501	50.0	53.4	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	813027	50.0	51.5	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	484435	50.0	52.4	
121 Naphthalene	128	19.811	19.811	0.000	98	1778555	50.0	52.5	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	95	721716	50.0	52.1	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00126	Amount Added: 25.00	Units: uL	
P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

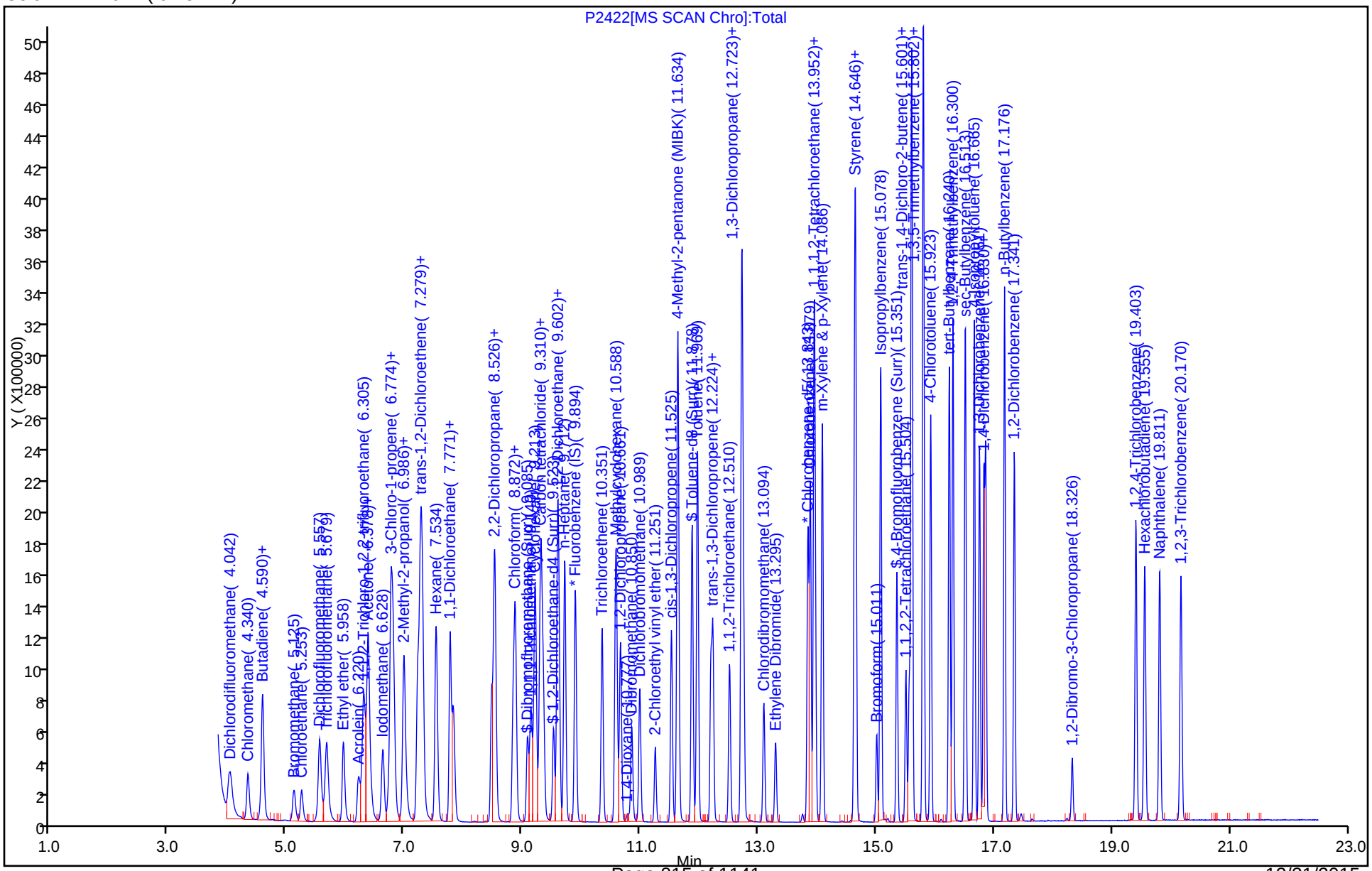
Report Date: 16-Dec-2015 21:24:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2422.D

Injection Date:	16-Dec-2015 20:45:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280604/3 Calibration Date: 12/18/2015 23:40

Instrument ID: HP5973Q Calib Start Date: 12/16/2015 00:00

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/16/2015 02:44

Lab File ID: Q7761.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.800	1.842	0.1000	25.6	25.0	2.3	50.0
Chloromethane	Ave	2.615	2.568	0.1000	24.6	25.0	-1.8	20.0
Vinyl chloride	Ave	1.921	2.120	0.1000	27.6	25.0	10.3	20.0
Butadiene	Ave	1.567	1.926		30.7	25.0	22.9*	20.0
Bromomethane	Ave	1.301	1.329	0.1000	25.5	25.0	2.2	50.0
Chloroethane	Ave	1.082	1.195	0.1000	27.6	25.0	10.5	50.0
Trichlorofluoromethane	Ave	2.015	2.385	0.1000	29.6	25.0	18.4	20.0
Dichlorofluoromethane	Ave	2.867	2.932		25.6	25.0	2.3	20.0
Ethyl ether	Ave	1.509	1.548		25.6	25.0	2.6	20.0
Acrolein	Ave	0.3106	0.4512		182	125	45.3	50.0
1,1-Dichloroethene	Ave	1.370	1.590	0.1000	29.0	25.0	16.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.113	0.1000	30.6	25.0	22.6*	20.0
Acetone	Ave	0.5155	0.7745	0.1000	188	125	50.2*	50.0
Iodomethane	Ave	2.976	3.260		27.4	25.0	9.5	20.0
Carbon disulfide	Ave	4.486	4.990	0.1000	27.8	25.0	11.2	20.0
Allyl chloride	Ave	2.646	2.662		25.2	25.0	0.6	20.0
Methyl acetate	Ave	2.027	2.150	0.1000	133	125	6.0	50.0
Methylene Chloride	Ave	1.611	1.555	0.1000	24.1	25.0	-3.5	20.0
2-Methyl-2-propanol	Ave	0.1450	0.1586		273	250	9.4	50.0
Methyl tert-butyl ether	Ave	5.317	5.261	0.1000	24.7	25.0	-1.1	20.0
trans-1,2-Dichloroethene	Ave	1.588	1.735	0.1000	27.3	25.0	9.3	20.0
Acrylonitrile	Ave	1.100	1.117		254	250	1.6	20.0
Hexane	Ave	2.265	2.533		28.0	25.0	11.8	20.0
1,1-Dichloroethane	Ave	2.876	2.928	0.2000	25.5	25.0	1.8	20.0
Vinyl acetate	Ave	4.265	4.264		50.0	50.0	-0.0	20.0
2,2-Dichloropropane	Ave	1.696	1.889		27.8	25.0	11.4	20.0
cis-1,2-Dichloroethene	Ave	1.748	1.795	0.1000	25.7	25.0	2.7	20.0
2-Butanone (MEK)	Ave	1.371	1.419	0.1000	129	125	3.5	20.0
Chlorobromomethane	Ave	0.9738	0.9645		24.8	25.0	-1.0	20.0
Tetrahydrofuran	Ave	0.9383	1.011		53.9	50.0	7.7	20.0
Chloroform	Ave	2.661	2.705	0.2000	25.4	25.0	1.7	20.0
1,1,1-Trichloroethane	Ave	2.071	2.290	0.1000	27.6	25.0	10.6	20.0
Cyclohexane	Ave	2.372	2.806	0.1000	29.6	25.0	18.3	20.0
Carbon tetrachloride	Ave	1.961	2.237	0.1000	28.5	25.0	14.1	20.0
1,1-Dichloropropene	Ave	2.082	2.289		27.5	25.0	9.9	20.0
Isobutyl alcohol	Ave	0.1495	0.1984		829	625	32.7	50.0
Benzene	Ave	6.007	6.104	0.5000	25.4	25.0	1.6	20.0
1,2-Dichloroethane	Ave	2.236	2.231	0.1000	25.0	25.0	-0.2	20.0
n-Heptane	Ave	2.366	2.397		25.3	25.0	1.3	20.0
Trichloroethene	Ave	1.590	1.668	0.2000	26.2	25.0	4.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280604/3 Calibration Date: 12/18/2015 23:40

Instrument ID: HP5973Q Calib Start Date: 12/16/2015 00:00

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/16/2015 02:44

Lab File ID: Q7761.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.424	2.796	0.1000	28.8	25.0	15.3	20.0
1,2-Dichloropropane	Ave	1.508	1.516	0.1000	25.1	25.0	0.6	20.0
1,4-Dioxane	Lin1		0.0127		693	500	38.6	50.0
Dibromomethane	Ave	1.057	1.041	0.1000	24.6	25.0	-1.5	20.0
Bromodichloromethane	Ave	1.943	1.968	0.2000	25.3	25.0	1.3	20.0
2-Chloroethyl vinyl ether	Ave	1.162	1.116		24.0	25.0	-4.0	20.0
trans-1,3-Dichloropropene	Ave	1.262	1.282	0.1000	25.4	25.0	1.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.396	1.379	0.1000	123	125	-1.2	20.0
Toluene	Ave	1.969	2.011	0.4000	25.5	25.0	2.1	20.0
cis-1,3-Dichloropropene	Ave	2.141	2.209	0.2000	25.8	25.0	3.1	20.0
Ethyl methacrylate	Ave	1.227	1.175		23.9	25.0	-4.3	20.0
1,1,2-Trichloroethane	Ave	0.6057	0.5868	0.1000	24.2	25.0	-3.1	20.0
Tetrachloroethene	Ave	0.8890	0.9268	0.2000	26.1	25.0	4.3	20.0
1,3-Dichloropropane	Ave	1.251	1.213		24.2	25.0	-3.0	20.0
2-Hexanone	Ave	1.070	1.010	0.1000	118	125	-5.6	20.0
Dibromochloromethane	Ave	0.8800	0.9130	0.1000	25.9	25.0	3.7	20.0
1,2-Dibromoethane	Ave	0.8245	0.8047		24.4	25.0	-2.4	20.0
Chlorobenzene	Ave	2.250	2.234	0.5000	24.8	25.0	-0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8682	0.8979		25.9	25.0	3.4	20.0
Ethylbenzene	Ave	3.537	3.542	0.1000	25.0	25.0	0.1	20.0
m,p-Xylene	Ave	1.483	1.521	0.1000	25.6	25.0	2.5	20.0
o-Xylene	Ave	1.484	1.525	0.3000	25.7	25.0	2.8	20.0
Styrene	Ave	2.410	2.416	0.3000	25.1	25.0	0.2	20.0
Bromoform	Ave	0.6240	0.6254	0.1000	25.1	25.0	0.2	50.0
Isopropylbenzene	Ave	3.054	3.142	0.1000	25.7	25.0	2.9	20.0
Bromobenzene	Ave	0.8860	0.8433		23.8	25.0	-4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	1.037	0.9686	0.3000	23.4	25.0	-6.6	20.0
1,2,3-Trichloropropane	Ave	0.3489	0.3371		24.2	25.0	-3.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2878	0.2715		23.6	25.0	-5.7	50.0
N-Propylbenzene	Ave	3.484	3.512		25.2	25.0	0.8	20.0
2-Chlorotoluene	Ave	0.8071	0.8027		24.9	25.0	-0.6	20.0
1,3,5-Trimethylbenzene	Ave	2.603	2.697		25.9	25.0	3.6	20.0
4-Chlorotoluene	Ave	0.8408	0.8260		24.6	25.0	-1.8	20.0
tert-Butylbenzene	Ave	0.6348	0.6694		26.4	25.0	5.5	20.0
1,2,4-Trimethylbenzene	Ave	2.716	2.779		25.6	25.0	2.3	20.0
sec-Butylbenzene	Ave	3.085	3.339		27.1	25.0	8.2	20.0
4-Isopropyltoluene	Ave	2.889	3.112		26.9	25.0	7.7	20.0
1,3-Dichlorobenzene	Ave	1.677	1.656	0.6000	24.7	25.0	-1.2	20.0
1,4-Dichlorobenzene	Ave	1.741	1.687	0.5000	24.2	25.0	-3.1	20.0
n-Butylbenzene	Ave	2.303	2.435		26.4	25.0	5.7	20.0
1,2-Dichlorobenzene	Ave	1.658	1.620	0.4000	24.4	25.0	-2.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280604/3 Calibration Date: 12/18/2015 23:40

Instrument ID: HP5973Q Calib Start Date: 12/16/2015 00:00

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/16/2015 02:44

Lab File ID: Q7761.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2505	0.2510	0.0500	25.0	25.0	0.2	50.0
1,2,4-Trichlorobenzene	Ave	1.191	1.200	0.2000	25.2	25.0	0.8	20.0
Hexachlorobutadiene	Ave	0.4162	0.4564		27.4	25.0	9.7	20.0
Naphthalene	Ave	3.872	3.887		25.1	25.0	0.4	20.0
1,2,3-Trichlorobenzene	Ave	1.133	1.155		25.5	25.0	2.0	20.0
Dibromofluoromethane (Surr)	Ave	1.379	1.408		25.5	25.0	2.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7929	0.8141		25.7	25.0	2.7	20.0
Toluene-d8 (Surr)	Ave	2.502	2.518		25.2	25.0	0.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8787	0.8859		25.2	25.0	0.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7761.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Dec-2015 23:40:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049402-003
Operator ID: GF Instrument ID: HP5973Q
Sublist: chrom-Q-8260*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:02:22 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 19-Dec-2015 00:02:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.119	5.119	0.000	99	103385	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.407	7.407	0.000	85	201409	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.280	9.280	0.000	92	245745	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.645	4.645	0.000	94	145593	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.894	4.894	0.000	0	84166	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	6.287	6.287	0.000	92	507105	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.337	8.337	0.000	96	178422	25.0	25.2	
10 Dichlorodifluoromethane	85	1.439	1.439	0.000	16	190402	25.0	25.6	
12 Chloromethane	50	1.621	1.621	0.000	100	265533	25.0	24.6	
13 Vinyl chloride	62	1.718	1.718	0.000	98	219184	25.0	27.6	
144 Butadiene	54	1.749	1.749	0.000	88	199151	25.0	30.7	
14 Bromomethane	94	2.047	2.047	0.000	90	137388	25.0	25.5	
15 Chloroethane	64	2.132	2.132	0.000	100	123590	25.0	27.6	
17 Trichlorofluoromethane	101	2.315	2.315	0.000	99	246599	25.0	29.6	
16 Dichlorofluoromethane	67	2.351	2.351	0.000	95	303122	25.0	25.6	
18 Ethyl ether	59	2.595	2.595	0.000	92	160037	25.0	25.6	
20 Acrolein	56	2.747	2.747	0.000	99	233235	125.0	181.6	
22 1,1-Dichloroethene	96	2.801	2.801	0.000	97	164345	25.0	29.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.826	2.826	0.000	71	115100	25.0	30.6	
23 Acetone	43	2.887	2.887	0.000	99	400356	125.0	187.8	
25 Iodomethane	142	2.941	2.941	0.000	98	337004	25.0	27.4	
26 Carbon disulfide	76	2.984	2.984	0.000	99	515934	25.0	27.8	
28 3-Chloro-1-propene	41	3.130	3.130	0.000	92	275201	25.0	25.2	
27 Methyl acetate	43	3.160	3.160	0.000	98	1111327	125.0	132.6	
30 Methylene Chloride	84	3.252	3.252	0.000	95	160797	25.0	24.1	
31 2-Methyl-2-propanol	59	3.379	3.379	0.000	99	163995	250.0	273.5	
32 Methyl tert-butyl ether	73	3.446	3.446	0.000	95	543892	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.458	3.458	0.000	99	179389	25.0	27.3	
33 Acrylonitrile	53	3.477	3.477	0.000	99	1154846	250.0	254.0	
35 Hexane	57	3.647	3.647	0.000	93	261890	25.0	28.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.811	3.811	0.000	96	302750	25.0	25.5	
37 Vinyl acetate	43	3.848	3.848	0.000	97	881739	50.0	50.0	
44 2,2-Dichloropropane	77	4.249	4.249	0.000	90	195297	25.0	27.8	
45 cis-1,2-Dichloroethene	96	4.267	4.267	0.000	83	185535	25.0	25.7	
43 2-Butanone (MEK)	43	4.280	4.280	0.000	100	733465	125.0	129.4	
48 Chlorobromomethane	128	4.462	4.462	0.000	93	99712	25.0	24.8	
49 Tetrahydrofuran	42	4.480	4.480	0.000	90	209040	50.0	53.9	
50 Chloroform	83	4.517	4.517	0.000	94	279683	25.0	25.4	
51 1,1,1-Trichloroethane	97	4.632	4.632	0.000	99	236762	25.0	27.6	
52 Cyclohexane	56	4.651	4.651	0.000	93	290130	25.0	29.6	
55 Carbon tetrachloride	117	4.748	4.748	0.000	97	231247	25.0	28.5	
54 1,1-Dichloropropene	75	4.754	4.754	0.000	97	236630	25.0	27.5	
53 Isobutyl alcohol	43	4.870	4.870	0.000	95	512754	625.0	829.4	
57 Benzene	78	4.912	4.912	0.000	97	631113	25.0	25.4	
58 1,2-Dichloroethane	62	4.949	4.949	0.000	97	230675	25.0	25.0	
59 n-Heptane	43	5.058	5.058	0.000	93	247813	25.0	25.3	
62 Trichloroethene	95	5.393	5.393	0.000	95	172431	25.0	26.2	
64 Methylcyclohexane	83	5.502	5.502	0.000	91	289015	25.0	28.8	
65 1,2-Dichloropropane	63	5.569	5.569	0.000	95	156771	25.0	25.1	
66 1,4-Dioxane	88	5.667	5.667	0.000	97	50978	500.0	693.1	
67 Dibromomethane	93	5.673	5.673	0.000	91	107640	25.0	24.6	
68 Dichlorobromomethane	83	5.782	5.782	0.000	99	203462	25.0	25.3	
69 2-Chloroethyl vinyl ether	63	5.983	5.983	0.000	92	115381	25.0	24.0	
77 trans-1,3-Dichloropropene	75	6.105	6.105	0.000	94	258202	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK	43	6.202	6.202	0.000	96	1388684	125.0	123.5	
74 Toluene	92	6.342	6.342	0.000	99	404992	25.0	25.5	
72 cis-1,3-Dichloropropene	75	6.524	6.524	0.000	98	228345	25.0	25.8	
75 Ethyl methacrylate	69	6.555	6.555	0.000	92	236613	25.0	23.9	
79 1,1,2-Trichloroethane	83	6.670	6.670	0.000	92	118183	25.0	24.2	
81 Tetrachloroethene	166	6.756	6.756	0.000	97	186674	25.0	26.1	
82 1,3-Dichloropropane	76	6.798	6.798	0.000	88	244385	25.0	24.2	
80 2-Hexanone	43	6.835	6.835	0.000	96	1016869	125.0	118.0	
83 Chlorodibromomethane	129	6.981	6.981	0.000	90	183883	25.0	25.9	
84 Ethylene Dibromide	107	7.072	7.072	0.000	99	162073	25.0	24.4	
87 Chlorobenzene	112	7.431	7.431	0.000	97	449945	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	7.498	7.498	0.000	46	180837	25.0	25.9	
88 Ethylbenzene	91	7.498	7.498	0.000	98	713397	25.0	25.0	
90 m-Xylene & p-Xylene	106	7.583	7.583	0.000	0	306263	25.0	25.6	
91 o-Xylene	106	7.905	7.905	0.000	95	307244	25.0	25.7	
92 Styrene	104	7.924	7.924	0.000	96	486639	25.0	25.1	
95 Bromoform	173	8.106	8.106	0.000	98	125969	25.0	25.1	
94 Isopropylbenzene	105	8.185	8.185	0.000	95	772167	25.0	25.7	
101 Bromobenzene	156	8.465	8.465	0.000	92	207231	25.0	23.8	
97 1,1,2,2-Tetrachloroethane	83	8.471	8.471	0.000	95	238025	25.0	23.4	
100 1,2,3-Trichloropropane	110	8.508	8.508	0.000	85	82832	25.0	24.2	
98 trans-1,4-Dichloro-2-buten	53	8.508	8.508	0.000	74	66726	25.0	23.6	
99 N-Propylbenzene	91	8.520	8.520	0.000	98	863134	25.0	25.2	
103 2-Chlorotoluene	126	8.611	8.611	0.000	98	197247	25.0	24.9	
102 1,3,5-Trimethylbenzene	105	8.654	8.654	0.000	95	662848	25.0	25.9	
105 4-Chlorotoluene	126	8.696	8.696	0.000	96	202983	25.0	24.6	
106 tert-Butylbenzene	134	8.921	8.921	0.000	93	164497	25.0	26.4	
107 1,2,4-Trimethylbenzene	105	8.964	8.964	0.000	96	682944	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.098	9.098	0.000	93	820649	25.0	27.1	
110 4-Isopropyltoluene	119	9.213	9.213	0.000	97	764658	25.0	26.9	
111 1,3-Dichlorobenzene	146	9.225	9.225	0.000	99	406958	25.0	24.7	
113 1,4-Dichlorobenzene	146	9.298	9.298	0.000	96	414571	25.0	24.2	
115 n-Butylbenzene	91	9.554	9.554	0.000	96	598430	25.0	26.4	
116 1,2-Dichlorobenzene	146	9.609	9.609	0.000	99	398102	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	10.266	10.266	0.000	92	61680	25.0	25.0	
119 1,2,4-Trichlorobenzene	180	10.929	10.929	0.000	94	294952	25.0	25.2	
120 Hexachlorobutadiene	225	11.044	11.044	0.000	97	112160	25.0	27.4	
121 Naphthalene	128	11.136	11.136	0.000	97	955255	25.0	25.1	
122 1,2,3-Trichlorobenzene	180	11.330	11.330	0.000	96	283874	25.0	25.5	

Reagents:

GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
8260 CORP mix_00060	Amount Added: 12.50	Units: uL	
Q_8260_IS_00108	Amount Added: 1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added: 1.25	Units: uL	Run Reagent

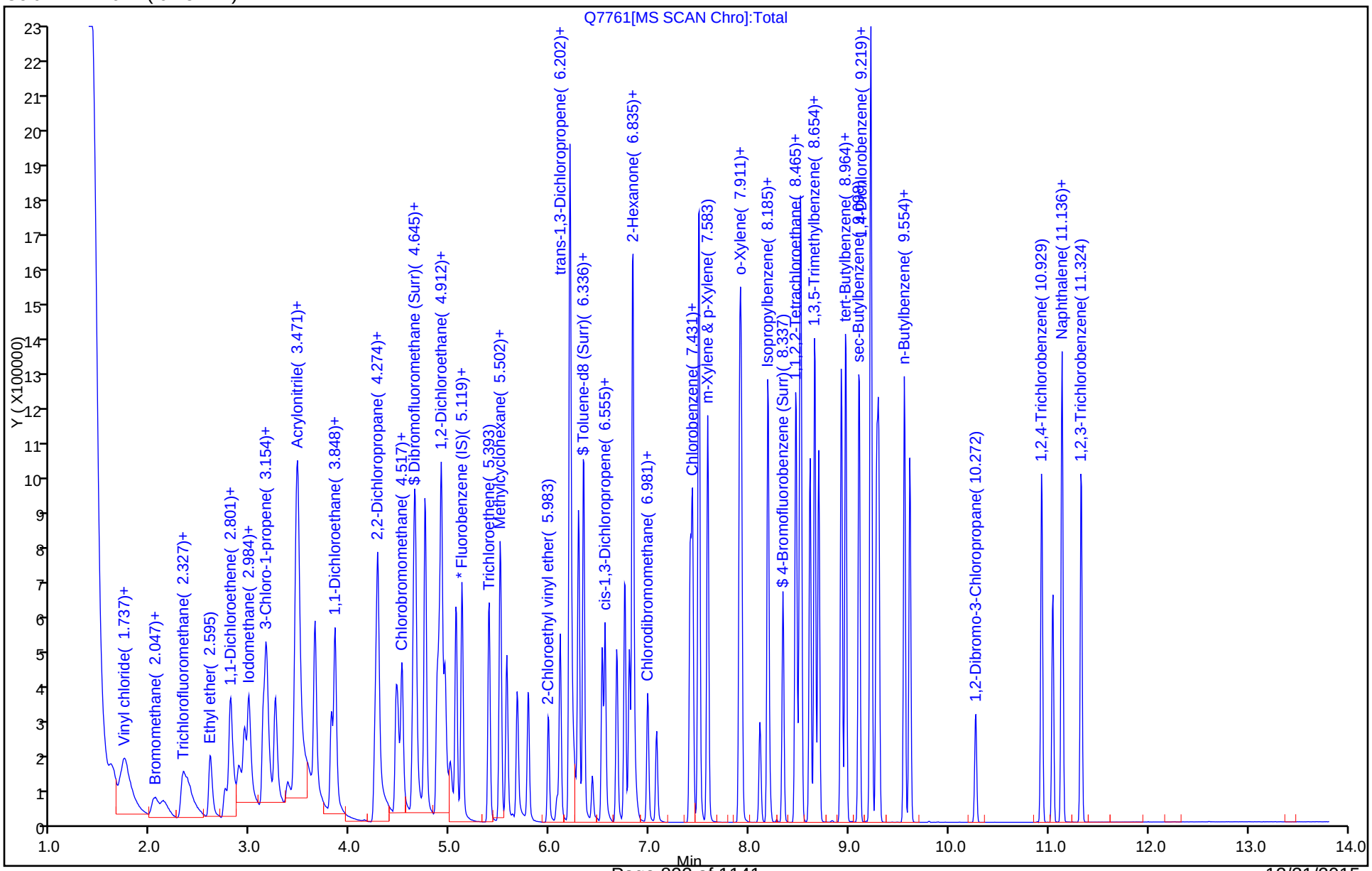
Report Date: 19-Dec-2015 00:02:23 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7761.D

Injection Date:	18-Dec-2015 23:40:30	Instrument ID:	HP5973Q	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280176/3 Calibration Date: 12/16/2015 21:40

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6160.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	0.9326	0.1000	18.1	25.0	-27.5	50.0
Chloromethane	Ave	2.470	1.637	0.1000	16.6	25.0	-33.7*	20.0
Vinyl chloride	Ave	1.328	0.9166	0.1000	17.2	25.0	-31.0*	20.0
Butadiene	Ave	1.607	1.288		20.0	25.0	-19.8	20.0
Bromomethane	Ave	0.4062	0.3571	0.1000	22.0	25.0	-12.1	50.0
Chloroethane	Lin1		0.4627	0.1000	20.6	25.0	-17.4	50.0
Dichlorofluoromethane	Ave	1.417	1.200		21.2	25.0	-15.4	20.0
Trichlorofluoromethane	Ave	1.194	1.262	0.1000	26.4	25.0	5.8	20.0
Ethyl ether	Ave	1.443	1.343		23.3	25.0	-6.9	20.0
Acrolein	Ave	0.2790	0.2749		123	125	-1.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.011	0.1000	25.4	25.0	1.8	20.0
1,1-Dichloroethene	Ave	1.124	0.9619	0.1000	21.4	25.0	-14.4	20.0
Acetone	Ave	0.4654	0.5598	0.1000	150	125	20.3	50.0
Iodomethane	Ave	1.261	1.431		28.4	25.0	13.5	20.0
Carbon disulfide	Ave	3.229	2.817	0.1000	21.8	25.0	-12.8	20.0
Allyl chloride	Ave	2.327	2.617		28.1	25.0	12.4	20.0
Methyl acetate	Ave	1.200	1.297	0.1000	135	125	8.1	50.0
Methylene Chloride	Lin1		1.048	0.1000	22.5	25.0	-10.1	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1461		295	250	17.8	50.0
Methyl tert-butyl ether	Ave	3.264	2.973	0.1000	22.8	25.0	-8.9	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.056	0.1000	22.7	25.0	-9.0	20.0
Acrylonitrile	Ave	0.6438	0.6870		267	250	6.7	20.0
Hexane	Ave	2.616	2.677		25.6	25.0	2.3	20.0
1,1-Dichloroethane	Ave	2.524	2.312	0.2000	22.9	25.0	-8.4	20.0
Vinyl acetate	Ave	3.140	3.520		56.1	50.0	12.1	20.0
2,2-Dichloropropane	Ave	0.8974	1.062		29.6	25.0	18.3	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.129	0.1000	22.2	25.0	-11.2	20.0
2-Butanone (MEK)	Ave	0.7376	0.8179	0.1000	139	125	10.9	20.0
Chlorobromomethane	Ave	0.6585	0.5216		19.8	25.0	-20.8*	20.0
Tetrahydrofuran	Ave	0.5552	0.5416		48.8	50.0	-2.5	20.0
Chloroform	Ave	1.940	1.786	0.2000	23.0	25.0	-8.0	20.0
1,1,1-Trichloroethane	Ave	1.393	1.485	0.1000	26.6	25.0	6.6	20.0
Cyclohexane	Ave	3.002	3.040	0.1000	25.3	25.0	1.3	20.0
Carbon tetrachloride	Ave	1.292	1.276	0.1000	24.7	25.0	-1.2	20.0
1,1-Dichloropropene	Ave	1.579	1.531		24.2	25.0	-3.0	20.0
Isobutyl alcohol	Ave	0.0626	0.0798		796	625	27.4	50.0
Benzene	Ave	4.495	4.271	0.5000	23.8	25.0	-5.0	20.0
1,2-Dichloroethane	Ave	2.039	1.803	0.1000	22.1	25.0	-11.6	20.0
n-Heptane	Ave	2.713	2.975		27.4	25.0	9.7	20.0
Trichloroethene	Ave	1.185	1.113	0.2000	23.5	25.0	-6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280176/3 Calibration Date: 12/16/2015 21:40

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6160.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.039	0.1000	25.4	25.0	1.4	20.0
1,2-Dichloropropane	Ave	1.396	1.283	0.1000	23.0	25.0	-8.1	20.0
Dibromomethane	Ave	0.6442	0.6136	0.1000	23.8	25.0	-4.7	20.0
1,4-Dioxane	Ave	0.0052	0.0064		611	500	22.2	50.0
Bromodichloromethane	Ave	1.236	1.226	0.2000	24.8	25.0	-0.8	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7962		21.7	25.0	-13.3	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.626	0.2000	23.2	25.0	-7.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.8038	0.1000	146	125	17.1	20.0
Toluene	Ave	1.356	1.380	0.4000	25.5	25.0	1.8	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.7327	0.1000	26.3	25.0	5.3	20.0
Ethyl methacrylate	Ave	0.5638	0.6367		28.2	25.0	12.9	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3718	0.1000	24.8	25.0	-0.9	20.0
Tetrachloroethene	Ave	0.6533	0.6308	0.2000	24.1	25.0	-3.4	20.0
1,3-Dichloropropane	Ave	0.8099	0.8177		25.2	25.0	1.0	20.0
2-Hexanone	Ave	0.4654	0.5870	0.1000	158	125	26.1*	20.0
Dibromochloromethane	Ave	0.4073	0.3917	0.1000	24.0	25.0	-3.8	20.0
1,2-Dibromoethane	Ave	0.4436	0.4503		25.4	25.0	1.5	20.0
Chlorobenzene	Ave	1.582	1.505	0.5000	23.8	25.0	-4.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4799		24.9	25.0	-0.5	20.0
Ethylbenzene	Ave	2.456	2.585	0.1000	26.3	25.0	5.2	20.0
m,p-Xylene	Ave	1.042	1.022	0.1000	24.5	25.0	-1.9	20.0
o-Xylene	Ave	1.016	1.003	0.3000	24.7	25.0	-1.3	20.0
Styrene	Ave	1.635	1.647	0.3000	25.2	25.0	0.7	20.0
Bromoform	Ave	0.1896	0.2031	0.1000	26.8	25.0	7.1	50.0
Isopropylbenzene	Ave	2.403	2.744	0.1000	28.6	25.0	14.2	20.0
Bromobenzene	Ave	0.6782	0.6782		25.0	25.0	0.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.6182	0.3000	29.1	25.0	16.3	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.2140		28.6	25.0	14.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2473		25.4	25.0	1.5	50.0
N-Propylbenzene	Ave	2.734	3.277		30.0	25.0	19.9	20.0
2-Chlorotoluene	Ave	0.6001	0.6353		26.5	25.0	5.9	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.343		28.4	25.0	13.8	20.0
4-Chlorotoluene	Ave	0.6495	0.6885		26.5	25.0	6.0	20.0
tert-Butylbenzene	Ave	0.4873	0.5560		28.5	25.0	14.1	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.435		28.9	25.0	15.7	20.0
sec-Butylbenzene	Ave	2.577	3.091		30.0	25.0	20.0	20.0
1,3-Dichlorobenzene	Ave	1.305	1.339	0.6000	25.7	25.0	2.6	20.0
4-Isopropyltoluene	Ave	2.388	2.602		27.2	25.0	9.0	20.0
1,4-Dichlorobenzene	Ave	1.323	1.377	0.5000	26.0	25.0	4.1	20.0
n-Butylbenzene	Ave	1.918	2.382		31.0	25.0	24.2*	20.0
1,2-Dichlorobenzene	Ave	1.266	1.292	0.4000	25.5	25.0	2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280176/3 Calibration Date: 12/16/2015 21:40

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6160.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.1013	0.0500	31.6	25.0	26.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.9592	0.2000	25.8	25.0	3.2	20.0
Hexachlorobutadiene	Ave	0.4129	0.4568		27.7	25.0	10.6	20.0
Naphthalene	Ave	2.162	2.164		25.0	25.0	0.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8749		25.0	25.0	0.1	20.0
Dibromofluoromethane (Surr)	Ave	1.133	1.006		24.1	27.2	-11.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7073		24.8	27.2	-8.8	20.0
Toluene-d8 (Surr)	Ave	2.204	2.141		26.4	27.2	-2.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6741		25.9	27.2	-4.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6160.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Dec-2015 21:40:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0049315-003
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 22:19:16 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK002

First Level Reviewer: fortaing Date: 16-Dec-2015 22:19:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	114548	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	228924	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	71	215393	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	49	125291	27.2	24.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.118	5.118	0.000	0	88069	27.2	24.8	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	84	532759	27.2	26.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	167736	27.2	25.9	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	85	106823	25.0	18.1	
12 Chloromethane	50	1.407	1.407	0.000	88	187541	25.0	16.6	
13 Vinyl chloride	62	1.510	1.510	0.000	83	104994	25.0	17.2	
151 Butadiene	54	1.535	1.535	0.000	89	147565	25.0	20.0	
14 Bromomethane	94	1.821	1.821	0.000	88	40905	25.0	22.0	
15 Chloroethane	64	1.912	1.912	0.000	90	53001	25.0	20.6	
16 Dichlorofluoromethane	67	2.131	2.131	0.000	78	137407	25.0	21.2	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	82	144579	25.0	26.4	
18 Ethyl ether	59	2.423	2.423	0.000	96	153834	25.0	23.3	
20 Acrolein	56	2.581	2.581	0.000	96	157454	125.0	123.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.648	2.648	0.000	53	115821	25.0	25.4	
22 1,1-Dichloroethene	96	2.654	2.654	0.000	78	110182	25.0	21.4	
23 Acetone	43	2.739	2.739	0.000	99	320639	125.0	150.4	
25 Iodomethane	142	2.812	2.812	0.000	98	163938	25.0	28.4	
26 Carbon disulfide	76	2.849	2.849	0.000	98	322660	25.0	21.8	
28 3-Chloro-1-propene	41	3.001	3.001	0.000	86	299722	25.0	28.1	
27 Methyl acetate	43	3.044	3.044	0.000	97	743118	125.0	135.2	
30 Methylene Chloride	84	3.159	3.159	0.000	86	120022	25.0	22.5	
31 2-Methyl-2-propanol	59	3.299	3.299	0.000	95	167320	250.0	294.5	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	92	340530	25.0	22.8	
34 trans-1,2-Dichloroethene	96	3.378	3.378	0.000	86	120937	25.0	22.7	
33 Acrylonitrile	53	3.402	3.402	0.000	98	786954	250.0	266.8	
35 Hexane	57	3.597	3.597	0.000	94	306644	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.792	3.792	0.000	85	264857	25.0	22.9	
37 Vinyl acetate	43	3.847	3.847	0.000	97	806385	50.0	56.1	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	89	121628	25.0	29.6	
45 cis-1,2-Dichloroethene	96	4.345	4.345	0.000	74	129268	25.0	22.2	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	91	468436	125.0	138.6	
48 Chlorobromomethane	128	4.577	4.577	0.000	82	59745	25.0	19.8	
49 Tetrahydrofuran	42	4.607	4.607	0.000	92	124068	50.0	48.8	
50 Chloroform	83	4.656	4.656	0.000	83	204560	25.0	23.0	
51 1,1,1-Trichloroethane	97	4.783	4.783	0.000	90	170093	25.0	26.6	
52 Cyclohexane	56	4.808	4.808	0.000	92	348272	25.0	25.3	
55 Carbon tetrachloride	117	4.929	4.929	0.000	65	146211	25.0	24.7	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	175409	25.0	24.2	
53 Isobutyl alcohol	43	5.130	5.130	0.000	66	228482	625.0	796.3	
57 Benzene	78	5.136	5.136	0.000	94	489193	25.0	23.8	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	206525	25.0	22.1	
59 n-Heptane	43	5.343	5.343	0.000	96	340780	25.0	27.4	
62 Trichloroethene	95	5.751	5.751	0.000	90	127452	25.0	23.5	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	233565	25.0	25.4	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	88	147021	25.0	23.0	
67 Dibromomethane	93	6.110	6.110	0.000	87	70289	25.0	23.8	
66 1,4-Dioxane	88	6.116	6.116	0.000	54	29128	500.0	610.8	
68 Dichlorobromomethane	83	6.262	6.262	0.000	90	140432	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.548	6.548	0.000	87	91207	25.0	21.7	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	82	186227	25.0	23.2	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	920039	125.0	146.4	
74 Toluene	92	6.986	6.986	0.000	88	316026	25.0	25.5	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	92	167731	25.0	26.3	
75 Ethyl methacrylate	69	7.308	7.308	0.000	86	145749	25.0	28.2	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	90	85120	25.0	24.8	
81 Tetrachloroethene	166	7.521	7.521	0.000	91	144399	25.0	24.1	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	92	187188	25.0	25.2	
80 2-Hexanone	43	7.667	7.667	0.000	99	671915	125.0	157.7	
83 Chlorodibromomethane	129	7.831	7.831	0.000	87	89661	25.0	24.0	
84 Ethylene Dibromide	107	7.935	7.935	0.000	96	103090	25.0	25.4	
87 Chlorobenzene	112	8.428	8.428	0.000	91	344582	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	39	109859	25.0	24.9	
88 Ethylbenzene	91	8.525	8.525	0.000	98	591773	25.0	26.3	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	234024	25.0	24.5	
91 o-Xylene	106	9.072	9.072	0.000	97	229623	25.0	24.7	
92 Styrene	104	9.097	9.097	0.000	93	377086	25.0	25.2	
95 Bromoform	173	9.328	9.328	0.000	91	46489	25.0	26.8	
94 Isopropylbenzene	105	9.456	9.456	0.000	98	591055	25.0	28.6	
101 Bromobenzene	156	9.796	9.796	0.000	95	146073	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	9.839	9.839	0.000	79	133156	25.0	29.1	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	62	46084	25.0	28.6	
98 trans-1,4-Dichloro-2-buten	53	9.881	9.881	0.000	29	53273	25.0	25.4	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	705930	25.0	30.0	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	136846	25.0	26.5	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	94	504723	25.0	28.4	
105 4-Chlorotoluene	126	10.094	10.094	0.000	98	148298	25.0	26.5	
106 tert-Butylbenzene	134	10.380	10.380	0.000	92	119752	25.0	28.5	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	63	524491	25.0	28.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	665728	25.0	30.0	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	288475	25.0	25.7	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	94	560405	25.0	27.2	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	93	296625	25.0	26.0	
115 n-Butylbenzene	91	11.123	11.123	0.000	94	513082	25.0	31.0	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	90	278269	25.0	25.5	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	56	21808	25.0	31.6	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	93	206607	25.0	25.8	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	98400	25.0	27.7	
121 Naphthalene	128	12.771	12.771	0.000	97	466104	25.0	25.0	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	95	188451	25.0	25.0	

Reagents:

8260 CORP mix_00059	Amount Added: 12.50	Units: uL	
GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
S_8260_IS_00127	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00119	Amount Added: 1.00	Units: uL	Run Reagent

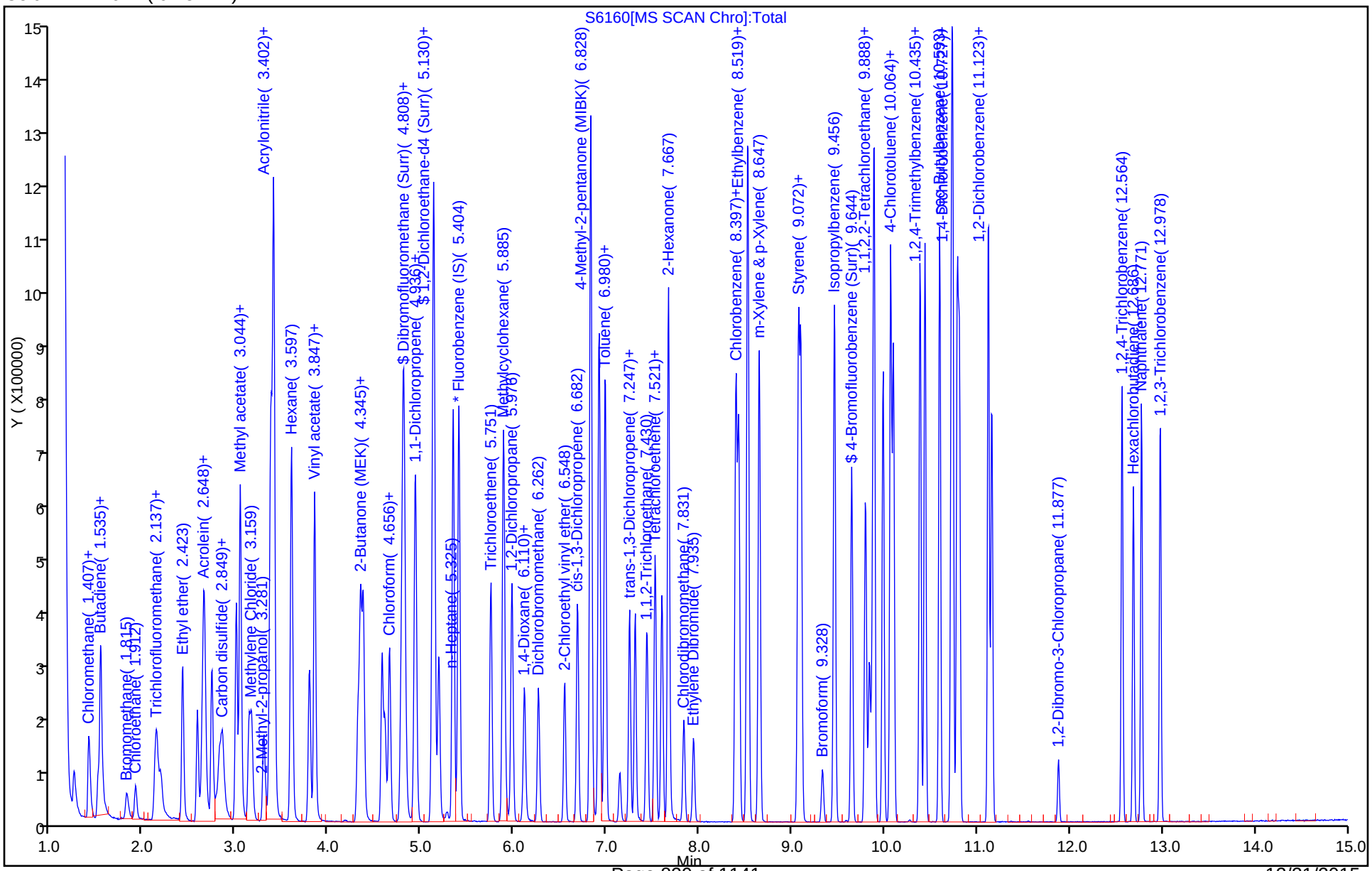
Report Date: 16-Dec-2015 22:19:17 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6160.D

Injection Date:	16-Dec-2015 21:40:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCV 480-280176/4 Calibration Date: 12/16/2015 22:50

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6161.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.133	0.9833		23.6	27.2	-13.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7548		26.4	27.2	-2.7	20.0
Toluene-d8 (Surr)	Ave	2.204	2.157		26.6	27.2	-2.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6724		25.9	27.2	-4.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6161.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 16-Dec-2015 22:50:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0049315-004
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub58

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 23:40:18 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: fortaing Date: 16-Dec-2015 23:40:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	113861	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	227296	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.788	10.788	0.000	87	210727	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	66	121699	27.2	23.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	93409	27.2	26.4	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	95	532982	27.2	26.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	84	166116	27.2	25.9	
11 Chlorodifluoromethane	51	1.273	1.273	0.000	76	206474	25.0	27.9	
148 Ethanol	45	2.405	2.405	0.000	100	98712	1000.0	1089.7	
24 Isopropyl alcohol	45	2.916	2.916	0.000	96	116718	250.0	288.6	
29 Acetonitrile	40	3.025	3.025	0.000	98	130656	250.0	255.4	
36 Isopropyl ether	45	3.822	3.822	0.000	97	648909	25.0	25.0	
40 2-Chloro-1,3-butadiene	53	3.859	3.859	0.000	88	314159	25.0	25.6	
41 Tert-butyl ethyl ether	59	4.163	4.163	0.000	97	498294	25.0	23.1	
42 Ethyl acetate	43	4.412	4.412	0.000	98	338046	50.0	56.2	
46 Propionitrile	54	4.455	4.455	0.000	98	275641	250.0	241.9	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1146465	250.0	236.0	
152 Isooctane	57	5.161	5.161	0.000	97	690216	25.0	25.8	
147 t-Amyl alcohol	59	5.191	5.191	0.000	86	131039	250.0	302.5	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	76	369264	25.0	24.2	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	93	372301	25.0	23.2	
60 n-Butanol	56	5.751	5.751	0.000	89	102966	625.0	985.1	
142 Ethyl acrylate	55	5.866	5.866	0.000	96	217069	25.0	26.5	
63 Methyl methacrylate	41	6.085	6.085	0.000	88	319503	50.0	49.7	
70 2-Nitropropane	43	6.499	6.499	0.000	80	30069	50.0	43.7	
76 2-Methylthiophene	97	7.120	7.120	0.000	98	422569	25.0	28.6	
78 3-Methylthiophene	97	7.278	7.278	0.000	98	420840	25.0	27.9	
155 n-Butyl acetate	43	7.789	7.789	0.000	97	247501	25.0	27.3	
146 1-Chlorohexane	55	8.385	8.385	0.000	86	198710	25.0	27.4	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	81	207643	25.0	29.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	92	192542	25.0	29.2	
93 2-Chlorobenzotrifluoride	180	9.371	9.371	0.000	95	196152	25.0	28.6	
96 Cyclohexanone	55	9.602	9.602	0.000	91	59688	250.0	319.3	
104 3-Chlorotoluene	126	10.046	10.046	0.000	97	145886	25.0	27.5	
108 Pentachloroethane	167	10.429	10.429	0.000	77	62140	25.0	31.3	
114 Dicyclopentadiene	66	10.800	10.800	0.000	97	643679	25.0	28.9	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	53	524064	25.0	30.9	
150 Benzyl chloride	126	10.946	10.946	0.000	99	42559	25.0	22.9	
118 1,3,5-Trichlorobenzene	180	12.029	12.029	0.000	97	217566	25.0	28.6	
149 2-Methylnaphthalene	142	13.684	13.684	0.000	87	270027	25.0	26.4	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
S_8260_IS_00131	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

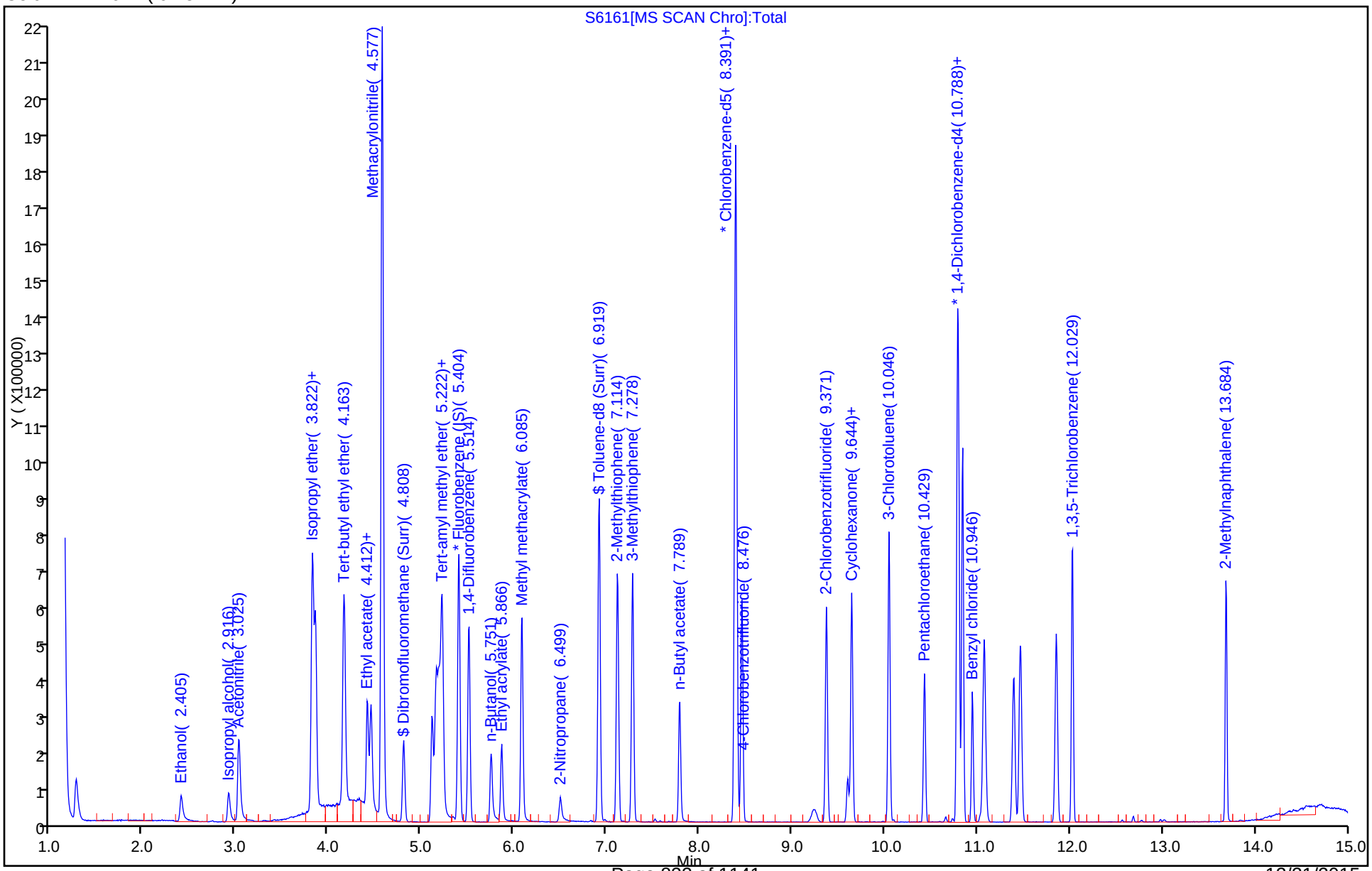
Report Date: 16-Dec-2015 23:40:20 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6161.D

Injection Date:	16-Dec-2015 22:50:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCV 480-280176/4 Calibration Date: 12/16/2015 22:50

Instrument ID: HP5973S Calib Start Date: 12/07/2015 17:41

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 19:56

Lab File ID: S6161.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.625	1.813		27.9	25.0	11.6	20.0
Ethanol	Ave	0.0199	0.0217		1090	1000	9.0	20.0
Isopropyl alcohol	Ave	0.0888	0.1025		289	250	15.4	20.0
Acetonitrile	Lin1		0.1148		255	250	2.1	20.0
Isopropyl ether	Ave	5.703	5.699		25.0	25.0	-0.0	20.0
Chloroprene	Ave	2.695	2.759		25.6	25.0	2.4	20.0
Tert-butyl ethyl ether	Ave	4.730	4.376		23.1	25.0	-7.5	20.0
Ethyl acetate	Ave	1.320	1.484		56.2	50.0	12.4	20.0
Propionitrile	Ave	0.2502	0.2421		242	250	-3.2	20.0
Methacrylonitrile	Ave	1.066	1.007		236	250	-5.6	20.0
Isooctane	Ave	5.867	6.062		25.8	25.0	3.3	20.0
t-Amyl alcohol	Ave	0.0951	0.1151		302	250	21.0*	20.0
Tert-amyl methyl ether	Ave	3.355	3.243		24.2	25.0	-3.3	20.0
1,4-Difluorobenzene	Ave	3.527	3.270		23.2	25.0	-7.3	20.0
n-Butanol	Ave	0.0229	0.0362		985	625	57.6*	20.0
Ethyl acrylate	Ave	1.799	1.906		26.5	25.0	6.0	20.0
Methyl methacrylate	Ave	1.411	1.403		49.7	50.0	-0.6	20.0
2-Nitropropane	Ave	0.0817	0.0714		43.7	50.0	-12.6	20.0
2-Methylthiophene	Ave	1.755	2.005		28.6	25.0	14.3	20.0
3-Methylthiophene	Ave	1.791	1.997		27.9	25.0	11.5	20.0
n-Butyl acetate	Ave	1.990	2.174	0.1000	27.3	25.0	9.2	20.0
1-Chlorohexane	Lin1		0.8742		27.4	25.0	9.7	20.0
3-Chlorobenzotrifluoride	Ave	0.8314	0.9854		29.6	25.0	18.5	20.0
4-Chlorobenzotrifluoride	Ave	0.7836	0.9137		29.2	25.0	16.6	20.0
2-Chlorobenzotrifluoride	Ave	0.8123	0.9308		28.6	25.0	14.6	20.0
Cyclohexanone	Ave	0.0222	0.0283		319	250	27.7*	20.0
3-Chlorotoluene	Ave	0.6304	0.6923		27.5	25.0	9.8	20.0
Pentachloroethane	Ave	0.2356	0.2949		31.3	25.0	25.2*	20.0
Dicyclopentadiene	Ave	2.645	3.055		28.9	25.0	15.5	20.0
1,2,3-Trimethylbenzene	Ave	2.012	2.487		30.9	25.0	23.6*	20.0
Benzyl chloride	Lin1		0.1872		22.9	25.0	-8.4	20.0
1,3,5-Trichlorobenzene	Ave	0.9016	1.032		28.6	25.0	14.5	20.0
2-Methylnaphthalene	Ave	1.215	1.281		26.4	25.0	5.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6161.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 16-Dec-2015 22:50:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0049315-004
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub58

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 23:40:18 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: fortaing Date: 16-Dec-2015 23:40:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	113861	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	227296	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.788	10.788	0.000	87	210727	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	66	121699	27.2	23.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	93409	27.2	26.4	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	95	532982	27.2	26.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	84	166116	27.2	25.9	
11 Chlorodifluoromethane	51	1.273	1.273	0.000	76	206474	25.0	27.9	
148 Ethanol	45	2.405	2.405	0.000	100	98712	1000.0	1089.7	
24 Isopropyl alcohol	45	2.916	2.916	0.000	96	116718	250.0	288.6	
29 Acetonitrile	40	3.025	3.025	0.000	98	130656	250.0	255.4	
36 Isopropyl ether	45	3.822	3.822	0.000	97	648909	25.0	25.0	
40 2-Chloro-1,3-butadiene	53	3.859	3.859	0.000	88	314159	25.0	25.6	
41 Tert-butyl ethyl ether	59	4.163	4.163	0.000	97	498294	25.0	23.1	
42 Ethyl acetate	43	4.412	4.412	0.000	98	338046	50.0	56.2	
46 Propionitrile	54	4.455	4.455	0.000	98	275641	250.0	241.9	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1146465	250.0	236.0	
152 Isooctane	57	5.161	5.161	0.000	97	690216	25.0	25.8	
147 t-Amyl alcohol	59	5.191	5.191	0.000	86	131039	250.0	302.5	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	76	369264	25.0	24.2	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	93	372301	25.0	23.2	
60 n-Butanol	56	5.751	5.751	0.000	89	102966	625.0	985.1	
142 Ethyl acrylate	55	5.866	5.866	0.000	96	217069	25.0	26.5	
63 Methyl methacrylate	41	6.085	6.085	0.000	88	319503	50.0	49.7	
70 2-Nitropropane	43	6.499	6.499	0.000	80	30069	50.0	43.7	
76 2-Methylthiophene	97	7.120	7.120	0.000	98	422569	25.0	28.6	
78 3-Methylthiophene	97	7.278	7.278	0.000	98	420840	25.0	27.9	
155 n-Butyl acetate	43	7.789	7.789	0.000	97	247501	25.0	27.3	
146 1-Chlorohexane	55	8.385	8.385	0.000	86	198710	25.0	27.4	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	81	207643	25.0	29.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	92	192542	25.0	29.2	
93 2-Chlorobenzotrifluoride	180	9.371	9.371	0.000	95	196152	25.0	28.6	
96 Cyclohexanone	55	9.602	9.602	0.000	91	59688	250.0	319.3	
104 3-Chlorotoluene	126	10.046	10.046	0.000	97	145886	25.0	27.5	
108 Pentachloroethane	167	10.429	10.429	0.000	77	62140	25.0	31.3	
114 Dicyclopentadiene	66	10.800	10.800	0.000	97	643679	25.0	28.9	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	53	524064	25.0	30.9	
150 Benzyl chloride	126	10.946	10.946	0.000	99	42559	25.0	22.9	
118 1,3,5-Trichlorobenzene	180	12.029	12.029	0.000	97	217566	25.0	28.6	
149 2-Methylnaphthalene	142	13.684	13.684	0.000	87	270027	25.0	26.4	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
S_8260_IS_00131	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

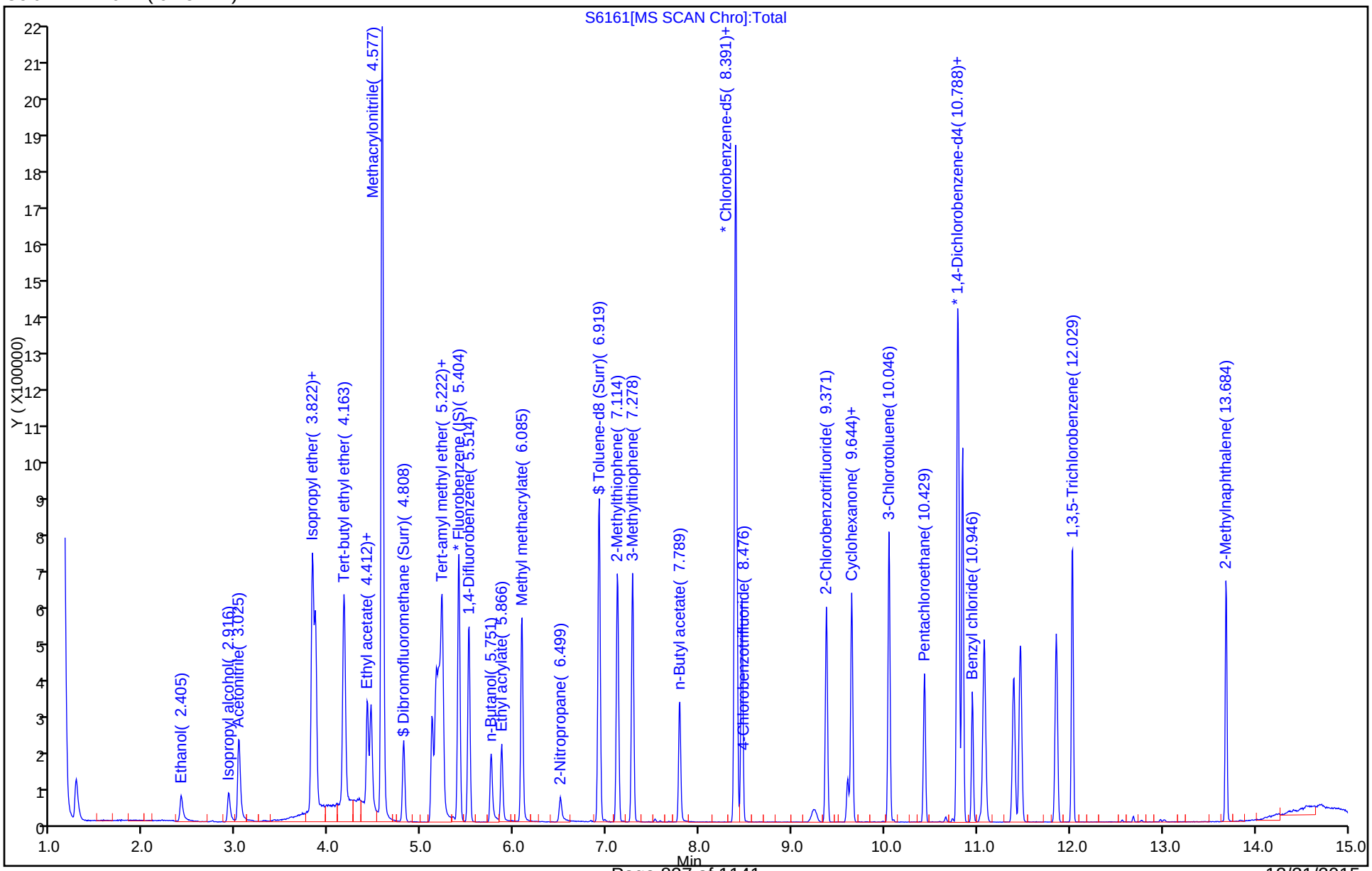
Report Date: 16-Dec-2015 23:40:20 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6161.D

Injection Date:	16-Dec-2015 22:50:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280605/2 Calibration Date: 12/18/2015 23:19

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6303.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.221	0.1000	23.7	25.0	-5.0	50.0
Chloromethane	Ave	2.470	1.846	0.1000	18.7	25.0	-25.3*	20.0
Vinyl chloride	Ave	1.328	1.107	0.1000	20.8	25.0	-16.7	20.0
Butadiene	Ave	1.607	1.612		25.1	25.0	0.3	20.0
Bromomethane	Ave	0.4062	0.4766	0.1000	29.3	25.0	17.3	50.0
Chloroethane	Lin1		0.5781	0.1000	25.9	25.0	3.5	50.0
Dichlorofluoromethane	Ave	1.417	1.424		25.1	25.0	0.5	20.0
Trichlorofluoromethane	Ave	1.194	1.494	0.1000	31.3	25.0	25.2*	20.0
Ethyl ether	Ave	1.443	1.375		23.8	25.0	-4.7	20.0
Acrolein	Ave	0.2790	0.2797		125	125	0.3	50.0
1,1-Dichloroethene	Ave	1.124	1.096	0.1000	24.4	25.0	-2.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.105	0.1000	27.8	25.0	11.2	20.0
Acetone	Ave	0.4654	0.5915	0.1000	159	125	27.1	50.0
Iodomethane	Ave	1.261	1.449		28.7	25.0	14.9	20.0
Carbon disulfide	Ave	3.229	3.192	0.1000	24.7	25.0	-1.2	20.0
Allyl chloride	Ave	2.327	2.411		25.9	25.0	3.6	20.0
Methyl acetate	Ave	1.200	1.337	0.1000	139	125	11.5	50.0
Methylene Chloride	Lin1		1.085	0.1000	23.3	25.0	-6.7	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1601		323	250	29.1	50.0
Methyl tert-butyl ether	Ave	3.264	3.083	0.1000	23.6	25.0	-5.5	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.114	0.1000	24.0	25.0	-4.1	20.0
Acrylonitrile	Ave	0.6438	0.6948		270	250	7.9	20.0
Hexane	Ave	2.616	3.009		28.8	25.0	15.0	20.0
1,1-Dichloroethane	Ave	2.524	2.445	0.2000	24.2	25.0	-3.1	20.0
Vinyl acetate	Ave	3.140	3.542		56.4	50.0	12.8	20.0
2,2-Dichloropropane	Ave	0.8974	1.076		30.0	25.0	19.9	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.203	0.1000	23.7	25.0	-5.3	20.0
2-Butanone (MEK)	Ave	0.7376	0.8540	0.1000	145	125	15.8	20.0
Chlorobromomethane	Ave	0.6585	0.5596		21.2	25.0	-15.0	20.0
Tetrahydrofuran	Ave	0.5552	0.5639		50.8	50.0	1.6	20.0
Chloroform	Ave	1.940	1.840	0.2000	23.7	25.0	-5.2	20.0
1,1,1-Trichloroethane	Ave	1.393	1.480	0.1000	26.6	25.0	6.2	20.0
Cyclohexane	Ave	3.002	3.157	0.1000	26.3	25.0	5.1	20.0
Carbon tetrachloride	Ave	1.292	1.281	0.1000	24.8	25.0	-0.8	20.0
1,1-Dichloropropene	Ave	1.579	1.633		25.9	25.0	3.4	20.0
Isobutyl alcohol	Ave	0.0626	0.0819		817	625	30.7	50.0
Benzene	Ave	4.495	4.422	0.5000	24.6	25.0	-1.6	20.0
1,2-Dichloroethane	Ave	2.039	1.862	0.1000	22.8	25.0	-8.7	20.0
n-Heptane	Ave	2.713	3.280		30.2	25.0	20.9*	20.0
Trichloroethene	Ave	1.185	1.142	0.2000	24.1	25.0	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280605/2 Calibration Date: 12/18/2015 23:19

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6303.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.220	0.1000	27.6	25.0	10.4	20.0
1,2-Dichloropropane	Ave	1.396	1.347	0.1000	24.1	25.0	-3.5	20.0
Dibromomethane	Ave	0.6442	0.6163	0.1000	23.9	25.0	-4.3	20.0
1,4-Dioxane	Ave	0.0052	0.0069		663	500	32.5	50.0
Bromodichloromethane	Ave	1.236	1.257	0.2000	25.4	25.0	1.7	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.8410		22.9	25.0	-8.5	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.602	0.2000	22.9	25.0	-8.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.8216	0.1000	150	125	19.7	20.0
Toluene	Ave	1.356	1.430	0.4000	26.4	25.0	5.4	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.7239	0.1000	26.0	25.0	4.0	20.0
Ethyl methacrylate	Ave	0.5638	0.6561		29.1	25.0	16.4	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3769	0.1000	25.1	25.0	0.5	20.0
Tetrachloroethene	Ave	0.6533	0.6701	0.2000	25.6	25.0	2.6	20.0
1,3-Dichloropropane	Ave	0.8099	0.8323		25.7	25.0	2.8	20.0
2-Hexanone	Ave	0.4654	0.6135	0.1000	165	125	31.8*	20.0
Dibromochloromethane	Ave	0.4073	0.3939	0.1000	24.2	25.0	-3.3	20.0
1,2-Dibromoethane	Ave	0.4436	0.4693		26.4	25.0	5.8	20.0
Chlorobenzene	Ave	1.582	1.568	0.5000	24.8	25.0	-0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4957		25.7	25.0	2.7	20.0
Ethylbenzene	Ave	2.456	2.682	0.1000	27.3	25.0	9.2	20.0
m,p-Xylene	Ave	1.042	1.053	0.1000	25.3	25.0	1.0	20.0
o-Xylene	Ave	1.016	1.043	0.3000	25.7	25.0	2.7	20.0
Styrene	Ave	1.635	1.701	0.3000	26.0	25.0	4.0	20.0
Bromoform	Ave	0.1896	0.1965	0.1000	25.9	25.0	3.6	50.0
Isopropylbenzene	Ave	2.403	2.929	0.1000	30.5	25.0	21.9*	20.0
Bromobenzene	Ave	0.6782	0.7063		26.0	25.0	4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.6211	0.3000	29.2	25.0	16.8	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.2201		29.4	25.0	17.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.1382		14.2	25.0	-43.3	50.0
N-Propylbenzene	Ave	2.734	3.458		31.6	25.0	26.5*	20.0
2-Chlorotoluene	Ave	0.6001	0.6753		28.1	25.0	12.5	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.465		29.9	25.0	19.6	20.0
4-Chlorotoluene	Ave	0.6495	0.7020		27.0	25.0	8.1	20.0
tert-Butylbenzene	Ave	0.4873	0.5697		29.2	25.0	16.9	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.487		29.5	25.0	18.1	20.0
sec-Butylbenzene	Ave	2.577	3.211		31.2	25.0	24.6*	20.0
1,3-Dichlorobenzene	Ave	1.305	1.407	0.6000	26.9	25.0	7.8	20.0
4-Isopropyltoluene	Ave	2.388	2.737		28.7	25.0	14.6	20.0
1,4-Dichlorobenzene	Ave	1.323	1.420	0.5000	26.8	25.0	7.3	20.0
n-Butylbenzene	Ave	1.918	2.520		32.9	25.0	31.4*	20.0
1,2-Dichlorobenzene	Ave	1.266	1.339	0.4000	26.4	25.0	5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280605/2 Calibration Date: 12/18/2015 23:19

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6303.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0992	0.0500	31.0	25.0	23.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.997	0.2000	26.8	25.0	7.2	20.0
Hexachlorobutadiene	Ave	0.4129	0.5087		30.8	25.0	23.2*	20.0
Naphthalene	Ave	2.162	2.233		25.8	25.0	3.3	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.9386		26.9	25.0	7.4	20.0
Dibromofluoromethane (Surr)	Ave	1.133	1.025		24.6	27.2	-9.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7415		26.0	27.2	-4.4	20.0
Toluene-d8 (Surr)	Ave	2.204	2.223		27.4	27.2	0.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6957		26.8	27.2	-1.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6303.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Dec-2015 23:19:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049403-002
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 23:54:16 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 18-Dec-2015 23:54:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	92	107396	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	214835	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	69	198061	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	54	119605	27.2	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	86559	27.2	26.0	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	84	519079	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	162466	27.2	26.8	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	85	131164	25.0	23.7	
12 Chloromethane	50	1.407	1.407	0.000	89	198230	25.0	18.7	
13 Vinyl chloride	62	1.504	1.504	0.000	81	118913	25.0	20.8	
151 Butadiene	54	1.541	1.541	0.000	90	173125	25.0	25.1	
14 Bromomethane	94	1.815	1.815	0.000	91	51180	25.0	29.3	
15 Chloroethane	64	1.912	1.912	0.000	91	62082	25.0	25.9	
16 Dichlorofluoromethane	67	2.131	2.131	0.000	79	152936	25.0	25.1	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	73	160455	25.0	31.3	
18 Ethyl ether	59	2.417	2.417	0.000	95	147705	25.0	23.8	
20 Acrolein	56	2.581	2.581	0.000	90	150188	125.0	125.3	
22 1,1-Dichloroethene	96	2.654	2.654	0.000	78	117732	25.0	24.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.660	2.660	0.000	42	118624	25.0	27.8	
23 Acetone	43	2.733	2.733	0.000	99	317601	125.0	158.9	
25 Iodomethane	142	2.825	2.825	0.000	96	155649	25.0	28.7	
26 Carbon disulfide	76	2.849	2.849	0.000	99	342814	25.0	24.7	
28 3-Chloro-1-propene	41	2.995	2.995	0.000	86	258900	25.0	25.9	
27 Methyl acetate	43	3.044	3.044	0.000	97	718134	125.0	139.3	
30 Methylene Chloride	84	3.165	3.165	0.000	81	116569	25.0	23.3	
31 2-Methyl-2-propanol	59	3.299	3.299	0.000	95	171949	250.0	322.8	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	92	331136	25.0	23.6	
34 trans-1,2-Dichloroethene	96	3.378	3.378	0.000	85	119598	25.0	24.0	
33 Acrylonitrile	53	3.403	3.403	0.000	97	746197	250.0	269.8	
35 Hexane	57	3.597	3.597	0.000	94	323180	25.0	28.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.786	3.786	0.000	85	262552	25.0	24.2	
37 Vinyl acetate	43	3.847	3.847	0.000	96	760824	50.0	56.4	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	90	115569	25.0	30.0	
45 cis-1,2-Dichloroethene	96	4.345	4.345	0.000	73	129236	25.0	23.7	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	90	458590	125.0	144.7	
48 Chlorobromomethane	128	4.577	4.577	0.000	84	60098	25.0	21.2	
49 Tetrahydrofuran	42	4.601	4.601	0.000	93	121112	50.0	50.8	
50 Chloroform	83	4.656	4.656	0.000	83	197558	25.0	23.7	
51 1,1,1-Trichloroethane	97	4.777	4.777	0.000	89	158980	25.0	26.6	
52 Cyclohexane	56	4.802	4.802	0.000	91	339004	25.0	26.3	
55 Carbon tetrachloride	117	4.923	4.923	0.000	75	137588	25.0	24.8	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	88	175426	25.0	25.9	
53 Isobutyl alcohol	43	5.124	5.124	0.000	71	219771	625.0	816.9	
57 Benzene	78	5.136	5.136	0.000	94	474926	25.0	24.6	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	199947	25.0	22.8	
59 n-Heptane	43	5.337	5.337	0.000	95	352257	25.0	30.2	
62 Trichloroethene	95	5.745	5.745	0.000	89	122639	25.0	24.1	
64 Methylcyclohexane	83	5.885	5.885	0.000	94	238372	25.0	27.6	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	91	144634	25.0	24.1	
67 Dibromomethane	93	6.104	6.104	0.000	91	66188	25.0	23.9	
66 1,4-Dioxane	88	6.122	6.122	0.000	74	29648	500.0	662.5	
68 Dichlorobromomethane	83	6.262	6.262	0.000	90	135034	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	6.542	6.542	0.000	88	90321	25.0	22.9	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	83	171998	25.0	22.9	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	882552	125.0	149.7	
74 Toluene	92	6.980	6.980	0.000	87	307138	25.0	26.4	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	94	155525	25.0	26.0	
75 Ethyl methacrylate	69	7.302	7.302	0.000	91	140944	25.0	29.1	
79 1,1,2-Trichloroethane	83	7.430	7.430	0.000	90	80980	25.0	25.1	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	143963	25.0	25.6	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	95	178797	25.0	25.7	
80 2-Hexanone	43	7.667	7.667	0.000	98	659018	125.0	164.8	
83 Chlorodibromomethane	129	7.831	7.831	0.000	84	84629	25.0	24.2	
84 Ethylene Dibromide	107	7.935	7.935	0.000	97	100815	25.0	26.4	
87 Chlorobenzene	112	8.421	8.421	0.000	89	336892	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	37	106484	25.0	25.7	
88 Ethylbenzene	91	8.525	8.525	0.000	98	576277	25.0	27.3	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	226178	25.0	25.3	
91 o-Xylene	106	9.066	9.066	0.000	97	224083	25.0	25.7	
92 Styrene	104	9.097	9.097	0.000	93	365442	25.0	26.0	
95 Bromoform	173	9.328	9.328	0.000	92	42214	25.0	25.9	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	580025	25.0	30.5	
101 Bromobenzene	156	9.796	9.796	0.000	94	139880	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	82	123019	25.0	29.2	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	57	43594	25.0	29.4	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	26	27369	25.0	14.2	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	684882	25.0	31.6	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	133743	25.0	28.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	91	488138	25.0	29.9	
105 4-Chlorotoluene	126	10.094	10.094	0.000	96	139038	25.0	27.0	
106 tert-Butylbenzene	134	10.386	10.386	0.000	91	112838	25.0	29.2	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	68	492606	25.0	29.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	635908	25.0	31.2	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	97	278627	25.0	26.9	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	92	542039	25.0	28.7	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	93	281254	25.0	26.8	
115 n-Butylbenzene	91	11.116	11.116	0.000	95	499164	25.0	32.9	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	92	265199	25.0	26.4	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	62	19651	25.0	31.0	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	93	197435	25.0	26.8	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	92	100744	25.0	30.8	
121 Naphthalene	128	12.771	12.771	0.000	97	442185	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	94	185897	25.0	26.9	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

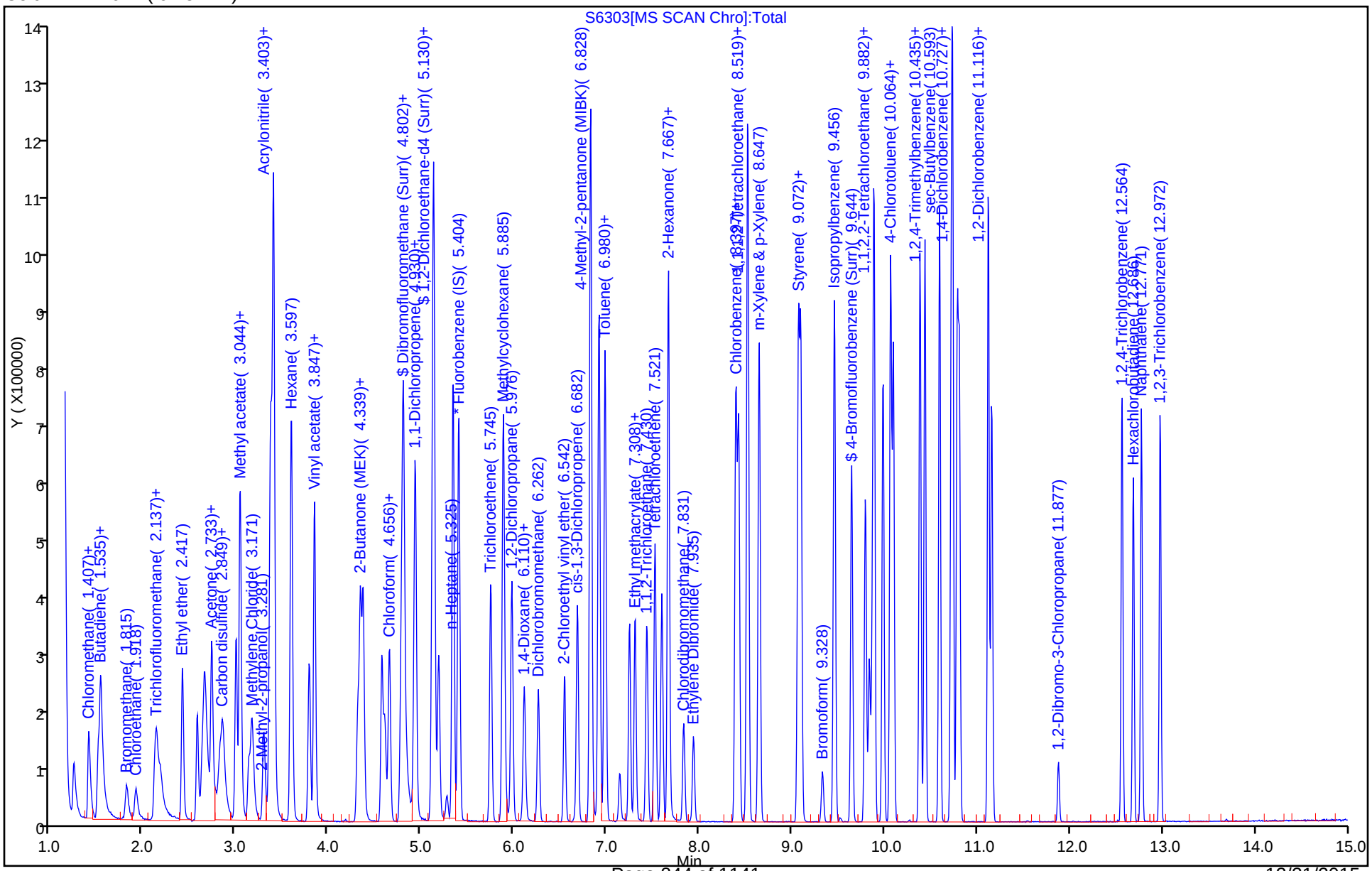
Report Date: 18-Dec-2015 23:54:17 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6303.D

Injection Date:	18-Dec-2015 23:19:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCV 480-280605/3 Calibration Date: 12/18/2015 23:42

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6304.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.133	1.024		24.6	27.2	-9.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7827		27.4	27.2	0.9	20.0
Toluene-d8 (Surr)	Ave	2.204	2.277		28.1	27.2	3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.7282		28.0	27.2	3.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6304.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Dec-2015 23:42:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0049403-003
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub58

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 01:15:52 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 19-Dec-2015 00:15:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	104362	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	210118	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	201754	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	54	116142	27.2	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	88786	27.2	27.4	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	86	520070	27.2	28.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	84	166321	27.2	28.0	
11 Chlorodifluoromethane	51	1.273	1.273	0.000	75	175209	25.0	25.8	
148 Ethanol	45	2.411	2.411	0.000	100	88892	1000.0	1070.6	
24 Isopropyl alcohol	45	2.922	2.922	0.000	97	121441	250.0	327.6	
29 Acetonitrile	40	3.025	3.025	0.000	99	124089	250.0	264.9	
36 Isopropyl ether	45	3.822	3.822	0.000	97	590877	25.0	24.8	
40 2-Chloro-1,3-butadiene	53	3.853	3.853	0.000	88	281863	25.0	25.1	
41 Tert-butyl ethyl ether	59	4.163	4.163	0.000	97	475965	25.0	24.1	
42 Ethyl acetate	43	4.413	4.413	0.000	98	315219	50.0	57.2	
46 Propionitrile	54	4.455	4.455	0.000	98	275058	250.0	263.4	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1089158	250.0	244.7	
152 Isooctane	57	5.161	5.161	0.000	96	621911	25.0	25.4	
147 t-Amyl alcohol	59	5.191	5.191	0.000	90	137449	250.0	346.1	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	88	362736	25.0	25.9	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	94	341337	25.0	23.2	
60 n-Butanol	56	5.751	5.751	0.000	94	109611	625.0	1144.2	
142 Ethyl acrylate	55	5.867	5.867	0.000	96	208531	25.0	27.8	
63 Methyl methacrylate	41	6.079	6.079	0.000	88	300594	50.0	51.0	
70 2-Nitropropane	43	6.499	6.499	0.000	97	33366	50.0	50.6	
76 2-Methylthiophene	97	7.114	7.114	0.000	98	398021	25.0	28.1	
78 3-Methylthiophene	97	7.278	7.278	0.000	99	404232	25.0	28.0	
155 n-Butyl acetate	43	7.783	7.783	0.000	98	244499	25.0	29.4	
146 1-Chlorohexane	55	8.385	8.385	0.000	84	179087	25.0	26.7	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	80	192298	25.0	28.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	92	179880	25.0	28.4	
93 2-Chlorobenzotrifluoride	180	9.371	9.371	0.000	97	187713	25.0	28.6	
96 Cyclohexanone	55	9.602	9.602	0.000	91	63486	250.0	354.8	
104 3-Chlorotoluene	126	10.046	10.046	0.000	94	137830	25.0	27.1	
108 Pentachloroethane	167	10.429	10.429	0.000	76	57088	25.0	30.0	
114 Dicyclopentadiene	66	10.794	10.794	0.000	97	600248	25.0	28.1	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	76	494656	25.0	30.5	
150 Benzyl chloride	126	10.946	10.946	0.000	98	40376	25.0	23.5	
118 1,3,5-Trichlorobenzene	180	12.029	12.029	0.000	97	201519	25.0	27.7	
149 2-Methylnaphthalene	142	13.684	13.684	0.000	83	264363	25.0	27.0	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

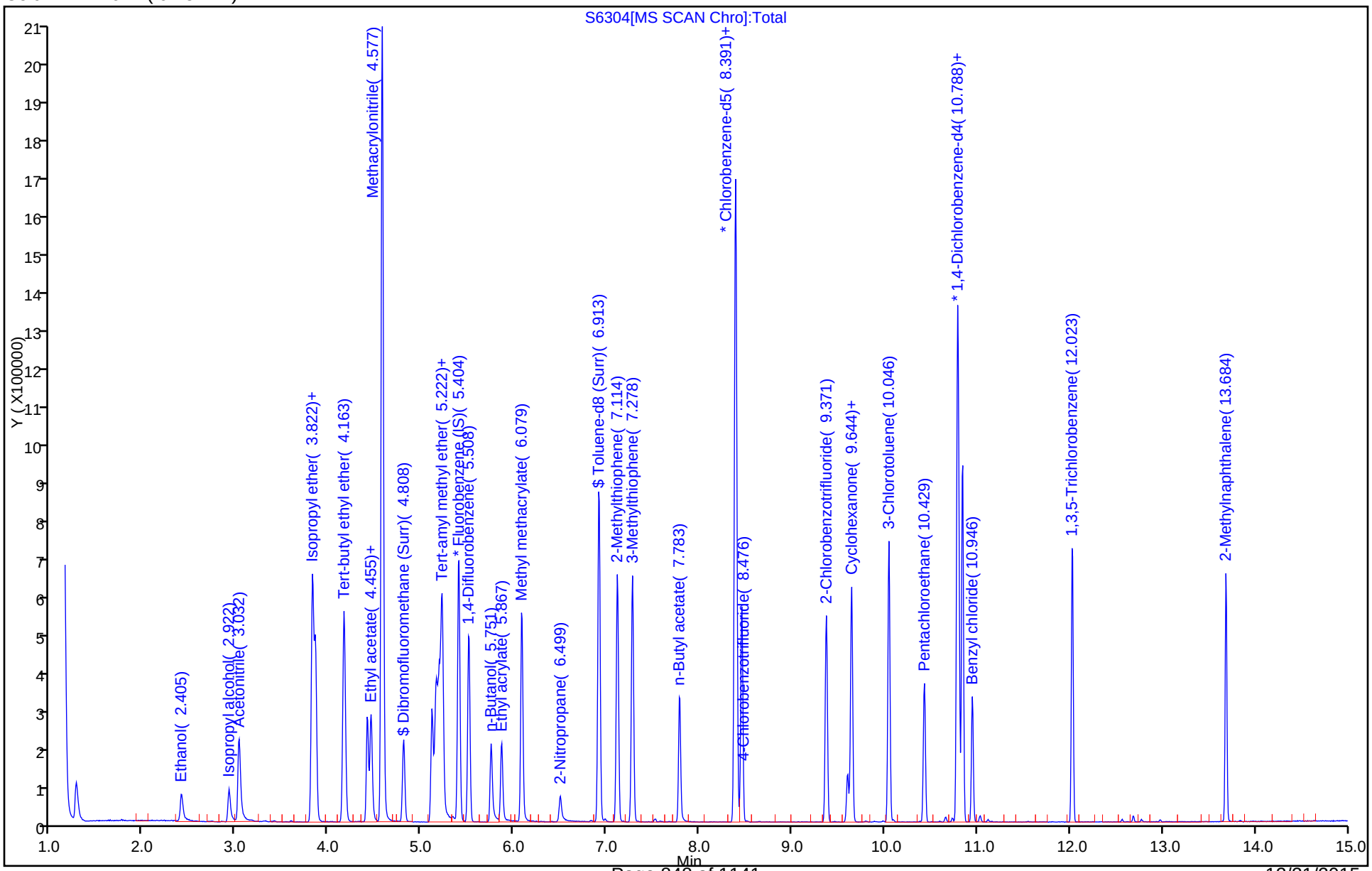
Report Date: 19-Dec-2015 01:15:55 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6304.D

Injection Date:	18-Dec-2015 23:42:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCV 480-280605/3 Calibration Date: 12/18/2015 23:42

Instrument ID: HP5973S Calib Start Date: 12/07/2015 17:41

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 19:56

Lab File ID: S6304.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.625	1.679		25.8	25.0	3.3	20.0
Ethanol	Ave	0.0199	0.0213		1070	1000	7.1	20.0
Isopropyl alcohol	Ave	0.0888	0.1164		328	250	31.0*	20.0
Acetonitrile	Lin1		0.1189		265	250	6.0	20.0
Isopropyl ether	Ave	5.703	5.662		24.8	25.0	-0.7	20.0
Chloroprene	Ave	2.695	2.701		25.1	25.0	0.2	20.0
Tert-butyl ethyl ether	Ave	4.730	4.561		24.1	25.0	-3.6	20.0
Ethyl acetate	Ave	1.320	1.510		57.2	50.0	14.4	20.0
Propionitrile	Ave	0.2502	0.2636		263	250	5.4	20.0
Methacrylonitrile	Ave	1.066	1.044		245	250	-2.1	20.0
Isooctane	Ave	5.867	5.959		25.4	25.0	1.6	20.0
t-Amyl alcohol	Ave	0.0951	0.1317		346	250	38.5*	20.0
Tert-amyl methyl ether	Ave	3.355	3.476		25.9	25.0	3.6	20.0
1,4-Difluorobenzene	Ave	3.527	3.271		23.2	25.0	-7.3	20.0
n-Butanol	Ave	0.0229	0.0420		1140	625	83.1*	20.0
Ethyl acrylate	Ave	1.799	1.998		27.8	25.0	11.1	20.0
Methyl methacrylate	Ave	1.411	1.440		51.0	50.0	2.1	20.0
2-Nitropropane	Ave	0.0817	0.0827		50.6	50.0	1.3	20.0
2-Methylthiophene	Ave	1.755	1.973		28.1	25.0	12.4	20.0
3-Methylthiophene	Ave	1.791	2.004		28.0	25.0	11.9	20.0
n-Butyl acetate	Ave	1.990	2.343	0.1000	29.4	25.0	17.7	20.0
1-Chlorohexane	Lin1		0.8523		26.7	25.0	6.9	20.0
3-Chlorobenzotrifluoride	Ave	0.8314	0.9531		28.7	25.0	14.6	20.0
4-Chlorobenzotrifluoride	Ave	0.7836	0.8916		28.4	25.0	13.8	20.0
2-Chlorobenzotrifluoride	Ave	0.8123	0.9304		28.6	25.0	14.5	20.0
Cyclohexanone	Ave	0.0222	0.0315		355	250	41.9*	20.0
3-Chlorotoluene	Ave	0.6304	0.6832		27.1	25.0	8.4	20.0
Pentachloroethane	Ave	0.2356	0.2830		30.0	25.0	20.1*	20.0
Dicyclopentadiene	Ave	2.645	2.975		28.1	25.0	12.5	20.0
1,2,3-Trimethylbenzene	Ave	2.012	2.452		30.5	25.0	21.8*	20.0
Benzyl chloride	Lin1		0.1922		23.5	25.0	-6.0	20.0
1,3,5-Trichlorobenzene	Ave	0.9016	0.999		27.7	25.0	10.8	20.0
2-Methylnaphthalene	Ave	1.215	1.310		27.0	25.0	7.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6304.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Dec-2015 23:42:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0049403-003
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub58

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 01:15:52 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 19-Dec-2015 00:15:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	104362	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	210118	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	201754	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	54	116142	27.2	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	88786	27.2	27.4	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	86	520070	27.2	28.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	84	166321	27.2	28.0	
11 Chlorodifluoromethane	51	1.273	1.273	0.000	75	175209	25.0	25.8	
148 Ethanol	45	2.411	2.411	0.000	100	88892	1000.0	1070.6	
24 Isopropyl alcohol	45	2.922	2.922	0.000	97	121441	250.0	327.6	
29 Acetonitrile	40	3.025	3.025	0.000	99	124089	250.0	264.9	
36 Isopropyl ether	45	3.822	3.822	0.000	97	590877	25.0	24.8	
40 2-Chloro-1,3-butadiene	53	3.853	3.853	0.000	88	281863	25.0	25.1	
41 Tert-butyl ethyl ether	59	4.163	4.163	0.000	97	475965	25.0	24.1	
42 Ethyl acetate	43	4.413	4.413	0.000	98	315219	50.0	57.2	
46 Propionitrile	54	4.455	4.455	0.000	98	275058	250.0	263.4	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1089158	250.0	244.7	
152 Isooctane	57	5.161	5.161	0.000	96	621911	25.0	25.4	
147 t-Amyl alcohol	59	5.191	5.191	0.000	90	137449	250.0	346.1	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	88	362736	25.0	25.9	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	94	341337	25.0	23.2	
60 n-Butanol	56	5.751	5.751	0.000	94	109611	625.0	1144.2	
142 Ethyl acrylate	55	5.867	5.867	0.000	96	208531	25.0	27.8	
63 Methyl methacrylate	41	6.079	6.079	0.000	88	300594	50.0	51.0	
70 2-Nitropropane	43	6.499	6.499	0.000	97	33366	50.0	50.6	
76 2-Methylthiophene	97	7.114	7.114	0.000	98	398021	25.0	28.1	
78 3-Methylthiophene	97	7.278	7.278	0.000	99	404232	25.0	28.0	
155 n-Butyl acetate	43	7.783	7.783	0.000	98	244499	25.0	29.4	
146 1-Chlorohexane	55	8.385	8.385	0.000	84	179087	25.0	26.7	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	80	192298	25.0	28.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	92	179880	25.0	28.4	
93 2-Chlorobenzotrifluoride	180	9.371	9.371	0.000	97	187713	25.0	28.6	
96 Cyclohexanone	55	9.602	9.602	0.000	91	63486	250.0	354.8	
104 3-Chlorotoluene	126	10.046	10.046	0.000	94	137830	25.0	27.1	
108 Pentachloroethane	167	10.429	10.429	0.000	76	57088	25.0	30.0	
114 Dicyclopentadiene	66	10.794	10.794	0.000	97	600248	25.0	28.1	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	76	494656	25.0	30.5	
150 Benzyl chloride	126	10.946	10.946	0.000	98	40376	25.0	23.5	
118 1,3,5-Trichlorobenzene	180	12.029	12.029	0.000	97	201519	25.0	27.7	
149 2-Methylnaphthalene	142	13.684	13.684	0.000	83	264363	25.0	27.0	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

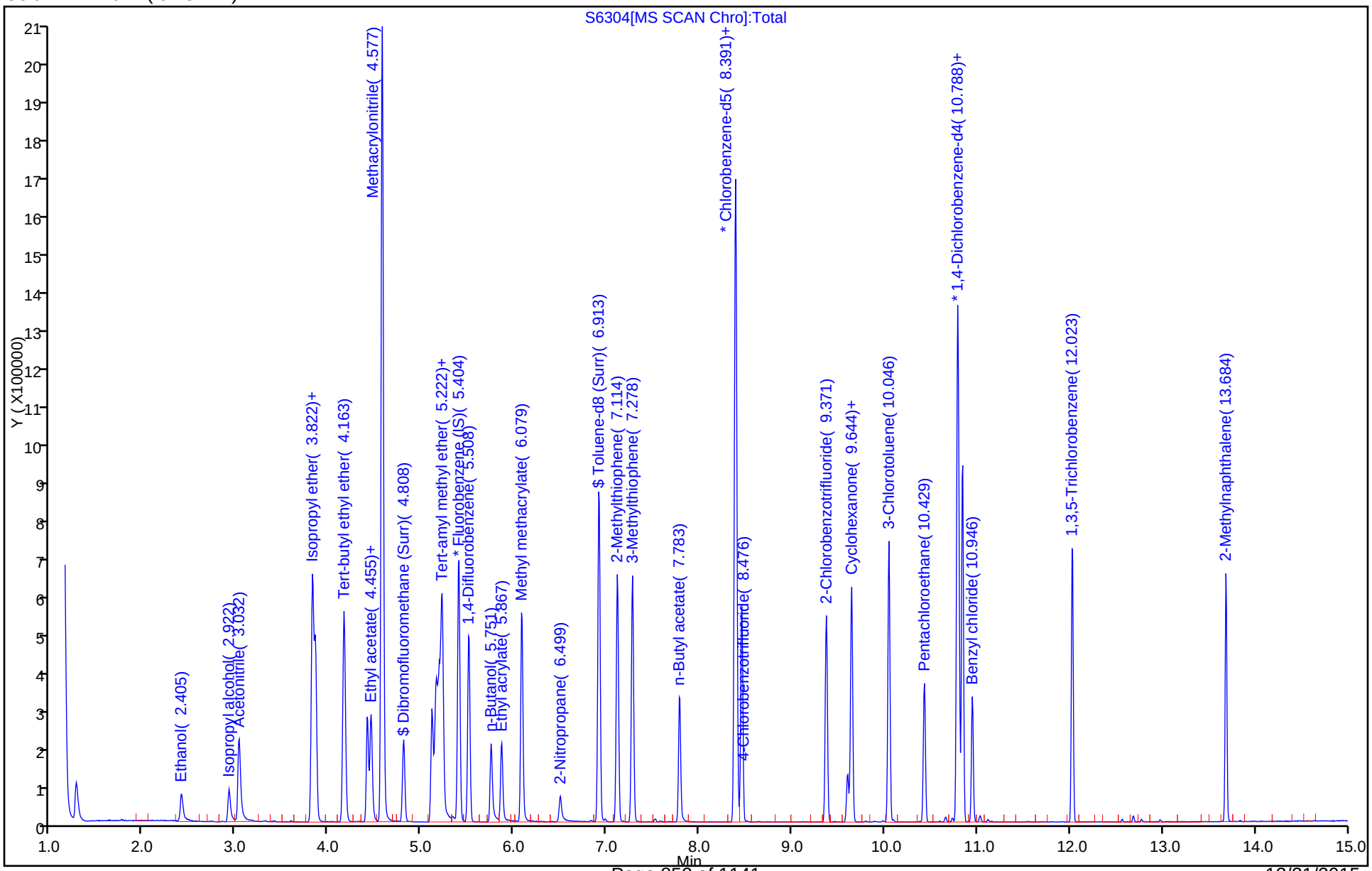
Report Date: 19-Dec-2015 01:15:55 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6304.D

Injection Date:	18-Dec-2015 23:42:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280696/3 Calibration Date: 12/20/2015 12:18

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6360.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	0.9454	0.1000	18.4	25.0	-26.5	50.0
Chloromethane	Ave	2.470	1.686	0.1000	17.1	25.0	-31.8*	20.0
Vinyl chloride	Ave	1.328	0.9653	0.1000	18.2	25.0	-27.3*	20.0
Butadiene	Ave	1.607	1.265		19.7	25.0	-21.3*	20.0
Bromomethane	Ave	0.4062	0.3827	0.1000	23.6	25.0	-5.8	50.0
Chloroethane	Lin1		0.5005	0.1000	22.4	25.0	-10.6	50.0
Dichlorofluoromethane	Ave	1.417	1.233		21.7	25.0	-13.0	20.0
Trichlorofluoromethane	Ave	1.194	1.271	0.1000	26.6	25.0	6.5	20.0
Ethyl ether	Ave	1.443	1.280		22.2	25.0	-11.3	20.0
Acrolein	Ave	0.2790	0.2327		104	125	-16.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	0.8950	0.1000	22.5	25.0	-9.9	20.0
1,1-Dichloroethene	Ave	1.124	0.8884	0.1000	19.8	25.0	-21.0*	20.0
Acetone	Ave	0.4654	0.5478	0.1000	147	125	17.7	50.0
Iodomethane	Ave	1.261	1.340		26.6	25.0	6.2	20.0
Carbon disulfide	Ave	3.229	2.709	0.1000	21.0	25.0	-16.1	20.0
Allyl chloride	Ave	2.327	2.420		26.0	25.0	4.0	20.0
Methyl acetate	Ave	1.200	1.204	0.1000	125	125	0.4	50.0
Methylene Chloride	Lin1		0.9767	0.1000	20.9	25.0	-16.3	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1323		267	250	6.7	50.0
Methyl tert-butyl ether	Ave	3.264	2.820	0.1000	21.6	25.0	-13.6	20.0
trans-1,2-Dichloroethene	Ave	1.161	0.9794	0.1000	21.1	25.0	-15.6	20.0
Acrylonitrile	Ave	0.6438	0.6372		247	250	-1.0	20.0
Hexane	Ave	2.616	2.459		23.5	25.0	-6.0	20.0
1,1-Dichloroethane	Ave	2.524	2.208	0.2000	21.9	25.0	-12.5	20.0
Vinyl acetate	Ave	3.140	3.230		51.4	50.0	2.9	20.0
2,2-Dichloropropane	Ave	0.8974	0.9493		26.4	25.0	5.8	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.101	0.1000	21.7	25.0	-13.4	20.0
2-Butanone (MEK)	Ave	0.7376	0.7823	0.1000	133	125	6.1	20.0
Chlorobromomethane	Ave	0.6585	0.5039		19.1	25.0	-23.5*	20.0
Tetrahydrofuran	Ave	0.5552	0.5055		45.5	50.0	-8.9	20.0
Chloroform	Ave	1.940	1.689	0.2000	21.8	25.0	-13.0	20.0
1,1,1-Trichloroethane	Ave	1.393	1.340	0.1000	24.0	25.0	-3.8	20.0
Cyclohexane	Ave	3.002	2.723	0.1000	22.7	25.0	-9.3	20.0
Carbon tetrachloride	Ave	1.292	1.172	0.1000	22.7	25.0	-9.2	20.0
1,1-Dichloropropene	Ave	1.579	1.415		22.4	25.0	-10.4	20.0
Benzene	Ave	4.495	4.042	0.5000	22.5	25.0	-10.1	20.0
Isobutyl alcohol	Ave	0.0626	0.0684		682	625	9.1	50.0
1,2-Dichloroethane	Ave	2.039	1.657	0.1000	20.3	25.0	-18.7	20.0
n-Heptane	Ave	2.713	2.684		24.7	25.0	-1.1	20.0
Trichloroethene	Ave	1.185	1.040	0.2000	21.9	25.0	-12.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280696/3 Calibration Date: 12/20/2015 12:18

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6360.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	1.842	0.1000	22.9	25.0	-8.4	20.0
1,2-Dichloropropane	Ave	1.396	1.224	0.1000	21.9	25.0	-12.4	20.0
Dibromomethane	Ave	0.6442	0.5749	0.1000	22.3	25.0	-10.8	20.0
1,4-Dioxane	Ave	0.0052	0.0060		573	500	14.6	50.0
Bromodichloromethane	Ave	1.236	1.168	0.2000	23.6	25.0	-5.5	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7568		20.6	25.0	-17.6	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.570	0.2000	22.4	25.0	-10.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7442	0.1000	136	125	8.5	20.0
Toluene	Ave	1.356	1.332	0.4000	24.6	25.0	-1.7	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.6997	0.1000	25.1	25.0	0.6	20.0
Ethyl methacrylate	Ave	0.5638	0.6087		27.0	25.0	8.0	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3559	0.1000	23.7	25.0	-5.1	20.0
Tetrachloroethene	Ave	0.6533	0.6217	0.2000	23.8	25.0	-4.8	20.0
1,3-Dichloropropane	Ave	0.8099	0.7970		24.6	25.0	-1.6	20.0
2-Hexanone	Ave	0.4654	0.5557	0.1000	149	125	19.4	20.0
Dibromochloromethane	Ave	0.4073	0.4015	0.1000	24.6	25.0	-1.4	20.0
1,2-Dibromoethane	Ave	0.4436	0.4381		24.7	25.0	-1.2	20.0
Chlorobenzene	Ave	1.582	1.441	0.5000	22.8	25.0	-8.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4743		24.6	25.0	-1.7	20.0
Ethylbenzene	Ave	2.456	2.451	0.1000	24.9	25.0	-0.2	20.0
m,p-Xylene	Ave	1.042	0.9561	0.1000	22.9	25.0	-8.2	20.0
o-Xylene	Ave	1.016	0.9369	0.3000	23.1	25.0	-7.8	20.0
Styrene	Ave	1.635	1.564	0.3000	23.9	25.0	-4.3	20.0
Bromoform	Ave	0.1896	0.2178	0.1000	28.7	25.0	14.9	50.0
Isopropylbenzene	Ave	2.403	2.569	0.1000	26.7	25.0	6.9	20.0
Bromobenzene	Ave	0.6782	0.6366		23.5	25.0	-6.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5763	0.3000	27.1	25.0	8.4	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.1898		25.3	25.0	1.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2307		23.7	25.0	-5.4	50.0
N-Propylbenzene	Ave	2.734	3.048		27.9	25.0	11.5	20.0
2-Chlorotoluene	Ave	0.6001	0.5959		24.8	25.0	-0.7	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.207		26.8	25.0	7.1	20.0
4-Chlorotoluene	Ave	0.6495	0.6286		24.2	25.0	-3.2	20.0
tert-Butylbenzene	Ave	0.4873	0.5124		26.3	25.0	5.1	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.264		26.9	25.0	7.5	20.0
sec-Butylbenzene	Ave	2.577	2.838		27.5	25.0	10.1	20.0
1,3-Dichlorobenzene	Ave	1.305	1.274	0.6000	24.4	25.0	-2.4	20.0
4-Isopropyltoluene	Ave	2.388	2.413		25.3	25.0	1.1	20.0
1,4-Dichlorobenzene	Ave	1.323	1.298	0.5000	24.5	25.0	-1.9	20.0
n-Butylbenzene	Ave	1.918	2.206		28.8	25.0	15.0	20.0
1,2-Dichlorobenzene	Ave	1.266	1.211	0.4000	23.9	25.0	-4.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280696/3 Calibration Date: 12/20/2015 12:18

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6360.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0941	0.0500	29.4	25.0	17.5	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.9016	0.2000	24.3	25.0	-3.0	20.0
Hexachlorobutadiene	Ave	0.4129	0.4438		26.9	25.0	7.5	20.0
Naphthalene	Ave	2.162	2.013		23.3	25.0	-6.9	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8255		23.6	25.0	-5.5	20.0
Dibromofluoromethane (Surr)	Ave	1.133	1.024		24.6	27.2	-9.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7251		25.4	27.2	-6.5	20.0
Toluene-d8 (Surr)	Ave	2.204	2.240		27.6	27.2	1.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6982		26.9	27.2	-1.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6360.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 20-Dec-2015 12:18:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049418-003
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:16:28 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	108311	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	211663	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	73	202169	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.802	4.802	0.000	56	120564	27.2	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	85368	27.2	25.4	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	93	515300	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	160628	27.2	26.9	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	86	102394	25.0	18.4	
12 Chloromethane	50	1.407	1.407	0.000	89	182598	25.0	17.1	
13 Vinyl chloride	62	1.504	1.504	0.000	82	104552	25.0	18.2	
151 Butadiene	54	1.535	1.535	0.000	88	137036	25.0	19.7	
14 Bromomethane	94	1.809	1.809	0.000	89	41452	25.0	23.6	
15 Chloroethane	64	1.912	1.912	0.000	89	54211	25.0	22.4	
16 Dichlorofluoromethane	67	2.131	2.131	0.000	79	133524	25.0	21.7	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	83	137664	25.0	26.6	
18 Ethyl ether	59	2.417	2.417	0.000	96	138589	25.0	22.2	
20 Acrolein	56	2.575	2.575	0.000	89	126017	125.0	104.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.648	2.648	0.000	50	96941	25.0	22.5	
22 1,1-Dichloroethene	96	2.648	2.648	0.000	77	96222	25.0	19.8	
23 Acetone	43	2.733	2.733	0.000	99	296667	125.0	147.1	
25 Iodomethane	142	2.806	2.806	0.000	97	145089	25.0	26.6	
26 Carbon disulfide	76	2.849	2.849	0.000	98	293378	25.0	21.0	
28 3-Chloro-1-propene	41	2.995	2.995	0.000	86	262129	25.0	26.0	
27 Methyl acetate	43	3.038	3.038	0.000	97	652089	125.0	125.5	
30 Methylene Chloride	84	3.159	3.159	0.000	83	105791	25.0	20.9	
31 2-Methyl-2-propanol	59	3.293	3.293	0.000	95	143272	250.0	266.7	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	93	305469	25.0	21.6	
34 trans-1,2-Dichloroethene	96	3.372	3.372	0.000	82	106078	25.0	21.1	
33 Acrylonitrile	53	3.396	3.396	0.000	97	690186	250.0	247.4	
35 Hexane	57	3.591	3.591	0.000	95	266321	25.0	23.5	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	85	239185	25.0	21.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.841	3.841	0.000	97	699596	50.0	51.4	
44 2,2-Dichloropropane	77	4.309	4.309	0.000	89	102818	25.0	26.4	
45 cis-1,2-Dichloroethene	96	4.339	4.339	0.000	75	119244	25.0	21.7	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	92	423662	125.0	132.6	
48 Chlorobromomethane	128	4.571	4.571	0.000	80	54578	25.0	19.1	
49 Tetrahydrofuran	42	4.601	4.601	0.000	93	109507	50.0	45.5	
50 Chloroform	83	4.650	4.650	0.000	83	182884	25.0	21.8	
51 1,1,1-Trichloroethane	97	4.777	4.777	0.000	89	145132	25.0	24.0	
52 Cyclohexane	56	4.802	4.802	0.000	91	294946	25.0	22.7	
55 Carbon tetrachloride	117	4.923	4.923	0.000	74	126991	25.0	22.7	
54 1,1-Dichloropropene	75	4.930	4.930	0.000	87	153261	25.0	22.4	
57 Benzene	78	5.130	5.130	0.000	93	437828	25.0	22.5	
53 Isobutyl alcohol	43	5.130	5.130	0.000	59	185078	625.0	682.2	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	179431	25.0	20.3	
59 n-Heptane	43	5.337	5.337	0.000	96	290731	25.0	24.7	
62 Trichloroethene	95	5.745	5.745	0.000	89	112632	25.0	21.9	
64 Methylcyclohexane	83	5.879	5.879	0.000	94	199523	25.0	22.9	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	91	132518	25.0	21.9	
67 Dibromomethane	93	6.104	6.104	0.000	91	62264	25.0	22.3	
66 1,4-Dioxane	88	6.116	6.116	0.000	55	25263	500.0	573.0	
68 Dichlorobromomethane	83	6.262	6.262	0.000	88	126459	25.0	23.6	
69 2-Chloroethyl vinyl ether	63	6.542	6.542	0.000	83	81964	25.0	20.6	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	79	170006	25.0	22.4	
73 4-Methyl-2-pentanone (MIBK	43	6.822	6.822	0.000	98	787598	125.0	135.6	
74 Toluene	92	6.980	6.980	0.000	89	281996	25.0	24.6	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	92	148098	25.0	25.1	
75 Ethyl methacrylate	69	7.308	7.308	0.000	88	128844	25.0	27.0	
79 1,1,2-Trichloroethane	83	7.430	7.430	0.000	89	75322	25.0	23.7	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	131592	25.0	23.8	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	96	168699	25.0	24.6	
80 2-Hexanone	43	7.667	7.667	0.000	98	588091	125.0	149.3	
83 Chlorodibromomethane	129	7.831	7.831	0.000	86	84979	25.0	24.6	
84 Ethylene Dibromide	107	7.935	7.935	0.000	97	92730	25.0	24.7	
87 Chlorobenzene	112	8.422	8.422	0.000	89	304951	25.0	22.8	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	37	100392	25.0	24.6	
88 Ethylbenzene	91	8.525	8.525	0.000	98	518707	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	202375	25.0	22.9	
91 o-Xylene	106	9.066	9.066	0.000	97	198304	25.0	23.1	
92 Styrene	104	9.097	9.097	0.000	93	331128	25.0	23.9	
95 Bromoform	173	9.328	9.328	0.000	93	46098	25.0	28.7	
94 Isopropylbenzene	105	9.456	9.456	0.000	96	519468	25.0	26.7	
101 Bromobenzene	156	9.790	9.790	0.000	96	128697	25.0	23.5	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	116514	25.0	27.1	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	58	38362	25.0	25.3	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	27	46648	25.0	23.7	
99 N-Propylbenzene	91	9.888	9.888	0.000	96	616116	25.0	27.9	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	120463	25.0	24.8	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	90	446097	25.0	26.8	
105 4-Chlorotoluene	126	10.094	10.094	0.000	98	127075	25.0	24.2	
106 tert-Butylbenzene	134	10.380	10.380	0.000	92	103587	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	70	457683	25.0	26.9	
109 sec-Butylbenzene	105	10.593	10.593	0.000	94	573665	25.0	27.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	97	257490	25.0	24.4	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	92	487848	25.0	25.3	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	93	262505	25.0	24.5	
115 n-Butylbenzene	91	11.117	11.117	0.000	94	446010	25.0	28.8	
116 1,2-Dichlorobenzene	146	11.153	11.153	0.000	91	244922	25.0	23.9	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	59	19033	25.0	29.4	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	91	182284	25.0	24.3	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	89716	25.0	26.9	
121 Naphthalene	128	12.771	12.771	0.000	97	406943	25.0	23.3	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.000	93	166892	25.0	23.6	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

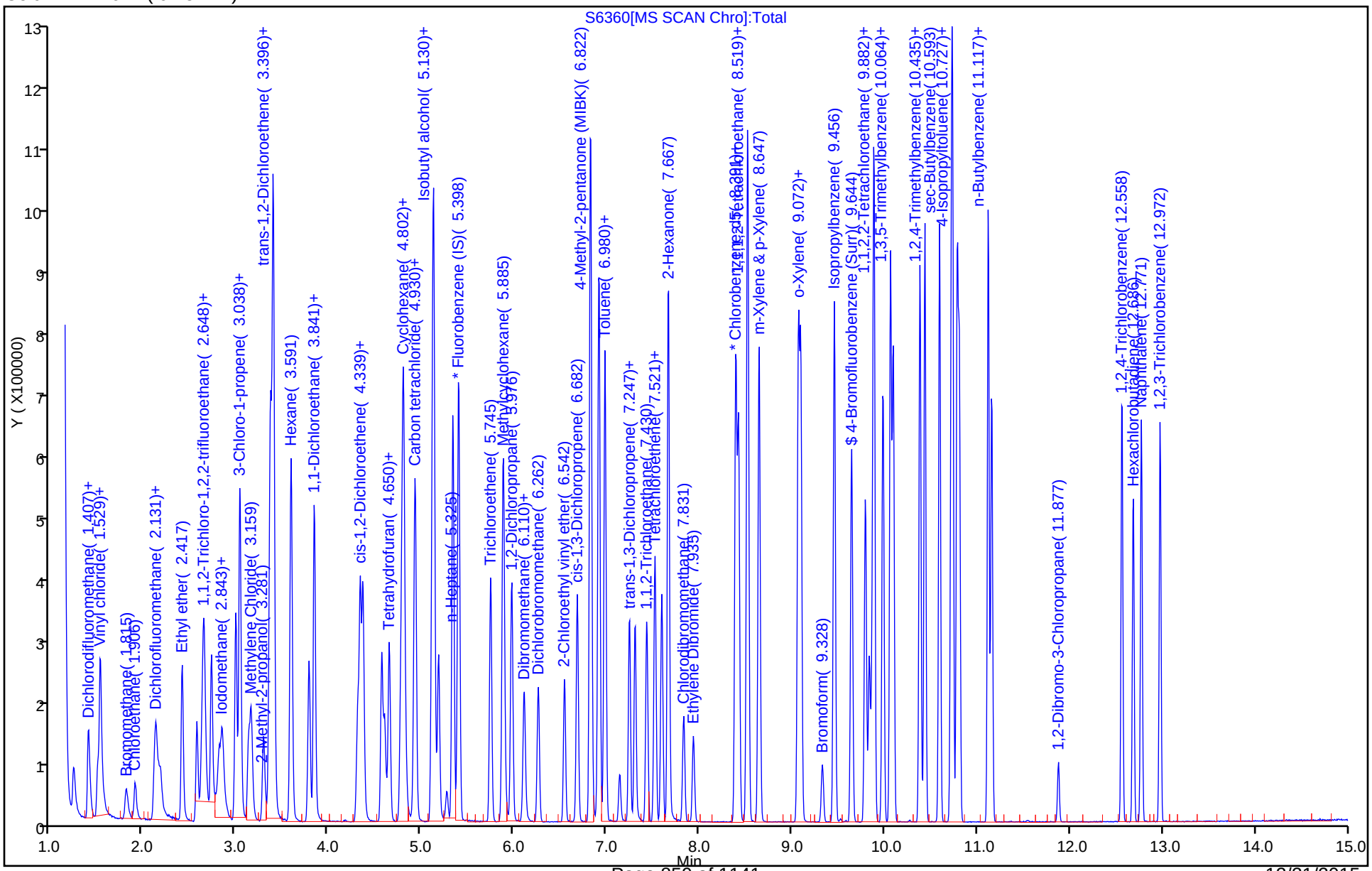
Report Date: 21-Dec-2015 15:16:30 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6360.D

Injection Date:	20-Dec-2015 12:18:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCV 480-280696/4 Calibration Date: 12/20/2015 12:41

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6361.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.133	1.010		24.2	27.2	-10.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7362		25.8	27.2	-5.1	20.0
Toluene-d8 (Surr)	Ave	2.204	2.239		27.6	27.2	1.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6926		26.6	27.2	-1.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6361.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2015 12:41:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0049418-004
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub58

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:16:34 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	97	105781	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	209811	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	95	197257	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	60	116159	27.2	24.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	84652	27.2	25.8	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	510620	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	84	157941	27.2	26.6	
11 Chlorodifluoromethane	51	1.273	1.273	0.000	74	126050	25.0	18.3	
148 Ethanol	45	2.411	2.411	0.000	97	83441	1000.0	991.4	
24 Isopropyl alcohol	45	2.922	2.922	0.000	97	101894	250.0	271.2	
29 Acetonitrile	40	3.026	3.026	0.000	99	126322	250.0	266.1	
36 Isopropyl ether	45	3.822	3.822	0.000	96	554844	25.0	23.0	
40 2-Chloro-1,3-butadiene	53	3.853	3.853	0.000	88	221267	25.0	19.4	
41 Tert-butyl ethyl ether	59	4.163	4.163	0.000	97	454666	25.0	22.7	
42 Ethyl acetate	43	4.419	4.419	0.000	98	303750	50.0	54.4	
46 Propionitrile	54	4.455	4.455	0.000	98	259959	250.0	245.6	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1051309	250.0	233.0	
152 Isooctane	57	5.161	5.161	0.000	96	455393	25.0	18.3	
147 t-Amyl alcohol	59	5.191	5.191	0.000	89	127366	250.0	316.4	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	87	350776	25.0	24.7	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	93	310937	25.0	20.8	
60 n-Butanol	56	5.751	5.751	0.000	91	96230	625.0	991.0	
142 Ethyl acrylate	55	5.867	5.867	0.000	97	204048	25.0	26.8	
63 Methyl methacrylate	41	6.079	6.079	0.000	89	292113	50.0	48.9	
70 2-Nitropropane	43	6.499	6.499	0.000	94	34921	50.0	54.2	
76 2-Methylthiophene	97	7.114	7.114	0.000	98	389301	25.0	28.1	
78 3-Methylthiophene	97	7.278	7.278	0.000	99	394080	25.0	27.9	
155 n-Butyl acetate	43	7.783	7.783	0.000	97	229817	25.0	27.3	
146 1-Chlorohexane	55	8.379	8.379	0.000	84	137754	25.0	20.4	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	72	153759	25.0	23.4	
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	91	143128	25.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	9.371	9.371	0.000	96	154816	25.0	24.2	
96 Cyclohexanone	55	9.602	9.602	0.000	88	57519	250.0	328.7	
104 3-Chlorotoluene	126	10.046	10.046	0.000	97	124225	25.0	25.0	
108 Pentachloroethane	167	10.429	10.429	0.000	77	58630	25.0	31.5	
114 Dicyclopentadiene	66	10.794	10.794	0.000	96	522975	25.0	25.1	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	76	459541	25.0	28.9	
150 Benzyl chloride	126	10.946	10.946	0.000	99	38625	25.0	22.5	
118 1,3,5-Trichlorobenzene	180	12.023	12.023	0.000	96	189627	25.0	26.7	
149 2-Methylnaphthalene	142	13.684	13.684	0.000	88	252476	25.0	26.3	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL		
2MTP_WRK_00049	Amount Added: 12.50	Units: uL		
ADD CORP mix_00041	Amount Added: 12.50	Units: uL		
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent	

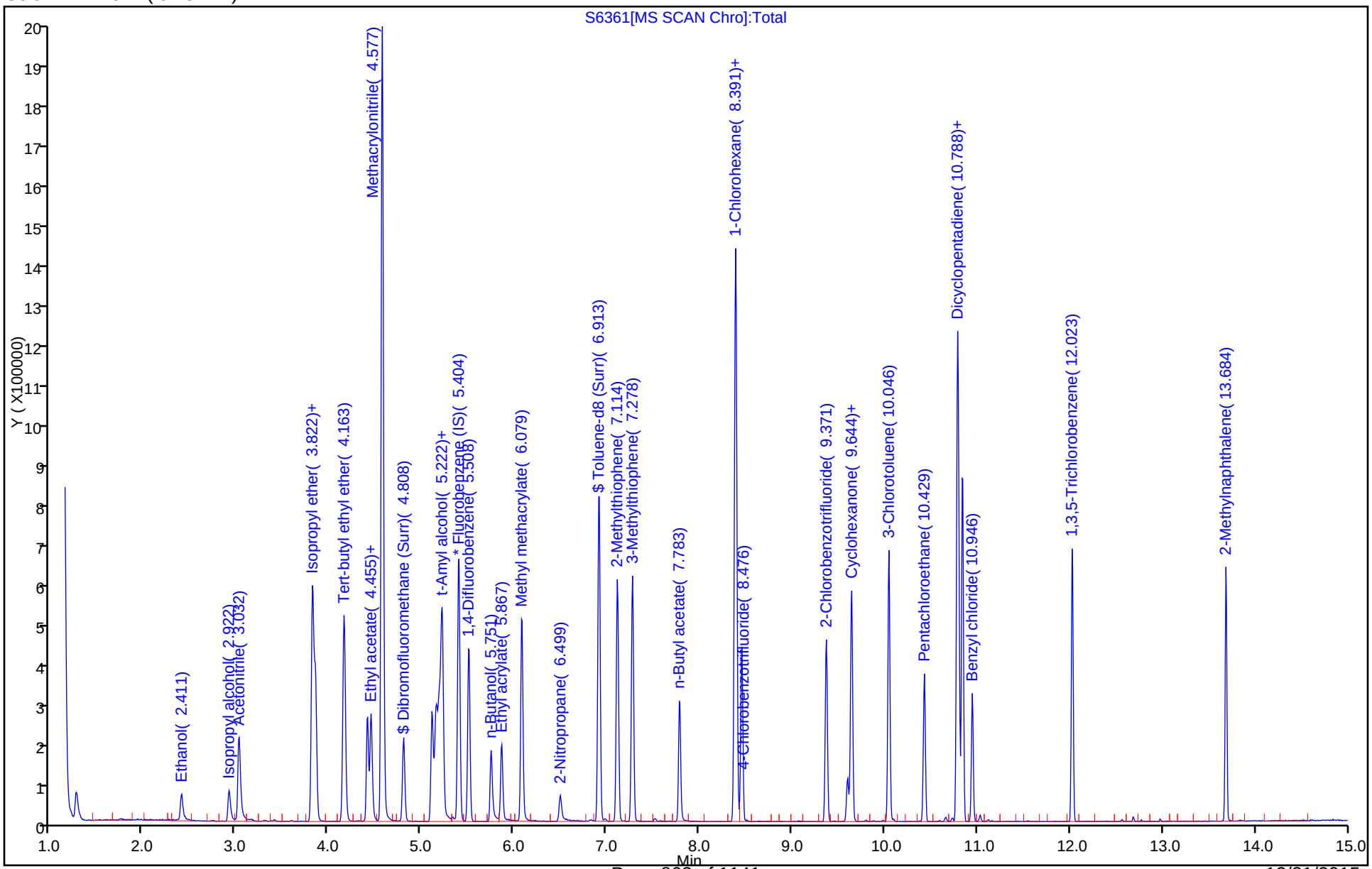
Report Date: 21-Dec-2015 15:16:35 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6361.D

Injection Date:	20-Dec-2015 12:41:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCV 480-280696/4 Calibration Date: 12/20/2015 12:41

Instrument ID: HP5973S Calib Start Date: 12/07/2015 17:41

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 19:56

Lab File ID: S6361.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.625	1.192		18.3	25.0	-26.7*	20.0
Ethanol	Ave	0.0199	0.0197		991	1000	-0.9	20.0
Isopropyl alcohol	Ave	0.0888	0.0963		271	250	8.5	20.0
Acetonitrile	Lin1		0.1194		266	250	6.4	20.0
Isopropyl ether	Ave	5.703	5.245		23.0	25.0	-8.0	20.0
Chloroprene	Ave	2.695	2.092		19.4	25.0	-22.4*	20.0
Tert-butyl ethyl ether	Ave	4.730	4.298		22.7	25.0	-9.1	20.0
Ethyl acetate	Ave	1.320	1.436		54.4	50.0	8.7	20.0
Propionitrile	Ave	0.2502	0.2458		246	250	-1.8	20.0
Methacrylonitrile	Ave	1.066	0.9939		233	250	-6.8	20.0
Isooctane	Ave	5.867	4.305		18.3	25.0	-26.6*	20.0
t-Amyl alcohol	Ave	0.0951	0.1204		316	250	26.6*	20.0
Tert-amyl methyl ether	Ave	3.355	3.316		24.7	25.0	-1.2	20.0
1,4-Difluorobenzene	Ave	3.527	2.939		20.8	25.0	-16.7	20.0
n-Butanol	Ave	0.0229	0.0364		991	625	58.6*	20.0
Ethyl acrylate	Ave	1.799	1.929		26.8	25.0	7.3	20.0
Methyl methacrylate	Ave	1.411	1.381		48.9	50.0	-2.1	20.0
2-Nitropropane	Ave	0.0817	0.0885		54.2	50.0	8.4	20.0
2-Methylthiophene	Ave	1.755	1.974		28.1	25.0	12.4	20.0
3-Methylthiophene	Ave	1.791	1.998		27.9	25.0	11.5	20.0
n-Butyl acetate	Ave	1.990	2.173	0.1000	27.3	25.0	9.2	20.0
1-Chlorohexane	Lin1		0.6566		20.4	25.0	-18.2	20.0
3-Chlorobenzotrifluoride	Ave	0.8314	0.7795		23.4	25.0	-6.2	20.0
4-Chlorobenzotrifluoride	Ave	0.7836	0.7256		23.2	25.0	-7.4	20.0
2-Chlorobenzotrifluoride	Ave	0.8123	0.7848		24.2	25.0	-3.4	20.0
Cyclohexanone	Ave	0.0222	0.0292		329	250	31.5*	20.0
3-Chlorotoluene	Ave	0.6304	0.6298		25.0	25.0	-0.1	20.0
Pentachloroethane	Ave	0.2356	0.2972		31.5	25.0	26.2*	20.0
Dicyclopentadiene	Ave	2.645	2.651		25.1	25.0	0.2	20.0
1,2,3-Trimethylbenzene	Ave	2.012	2.330		28.9	25.0	15.8	20.0
Benzyl chloride	Lin1		0.1841		22.5	25.0	-9.9	20.0
1,3,5-Trichlorobenzene	Ave	0.9016	0.9613		26.7	25.0	6.6	20.0
2-Methylnaphthalene	Ave	1.215	1.280		26.3	25.0	5.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6361.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2015 12:41:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Misc. Info.: 480-0049418-004
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub58

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:16:34 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	97	105781	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	209811	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	95	197257	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	60	116159	27.2	24.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	84652	27.2	25.8	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	510620	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	84	157941	27.2	26.6	
11 Chlorodifluoromethane	51	1.273	1.273	0.000	74	126050	25.0	18.3	
148 Ethanol	45	2.411	2.411	0.000	97	83441	1000.0	991.4	
24 Isopropyl alcohol	45	2.922	2.922	0.000	97	101894	250.0	271.2	
29 Acetonitrile	40	3.026	3.026	0.000	99	126322	250.0	266.1	
36 Isopropyl ether	45	3.822	3.822	0.000	96	554844	25.0	23.0	
40 2-Chloro-1,3-butadiene	53	3.853	3.853	0.000	88	221267	25.0	19.4	
41 Tert-butyl ethyl ether	59	4.163	4.163	0.000	97	454666	25.0	22.7	
42 Ethyl acetate	43	4.419	4.419	0.000	98	303750	50.0	54.4	
46 Propionitrile	54	4.455	4.455	0.000	98	259959	250.0	245.6	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1051309	250.0	233.0	
152 Isooctane	57	5.161	5.161	0.000	96	455393	25.0	18.3	
147 t-Amyl alcohol	59	5.191	5.191	0.000	89	127366	250.0	316.4	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	87	350776	25.0	24.7	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	93	310937	25.0	20.8	
60 n-Butanol	56	5.751	5.751	0.000	91	96230	625.0	991.0	
142 Ethyl acrylate	55	5.867	5.867	0.000	97	204048	25.0	26.8	
63 Methyl methacrylate	41	6.079	6.079	0.000	89	292113	50.0	48.9	
70 2-Nitropropane	43	6.499	6.499	0.000	94	34921	50.0	54.2	
76 2-Methylthiophene	97	7.114	7.114	0.000	98	389301	25.0	28.1	
78 3-Methylthiophene	97	7.278	7.278	0.000	99	394080	25.0	27.9	
155 n-Butyl acetate	43	7.783	7.783	0.000	97	229817	25.0	27.3	
146 1-Chlorohexane	55	8.379	8.379	0.000	84	137754	25.0	20.4	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	72	153759	25.0	23.4	
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	91	143128	25.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	9.371	9.371	0.000	96	154816	25.0	24.2	
96 Cyclohexanone	55	9.602	9.602	0.000	88	57519	250.0	328.7	
104 3-Chlorotoluene	126	10.046	10.046	0.000	97	124225	25.0	25.0	
108 Pentachloroethane	167	10.429	10.429	0.000	77	58630	25.0	31.5	
114 Dicyclopentadiene	66	10.794	10.794	0.000	96	522975	25.0	25.1	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	76	459541	25.0	28.9	
150 Benzyl chloride	126	10.946	10.946	0.000	99	38625	25.0	22.5	
118 1,3,5-Trichlorobenzene	180	12.023	12.023	0.000	96	189627	25.0	26.7	
149 2-Methylnaphthalene	142	13.684	13.684	0.000	88	252476	25.0	26.3	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL		
2MTP_WRK_00049	Amount Added: 12.50	Units: uL		
ADD CORP mix_00041	Amount Added: 12.50	Units: uL		
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent	

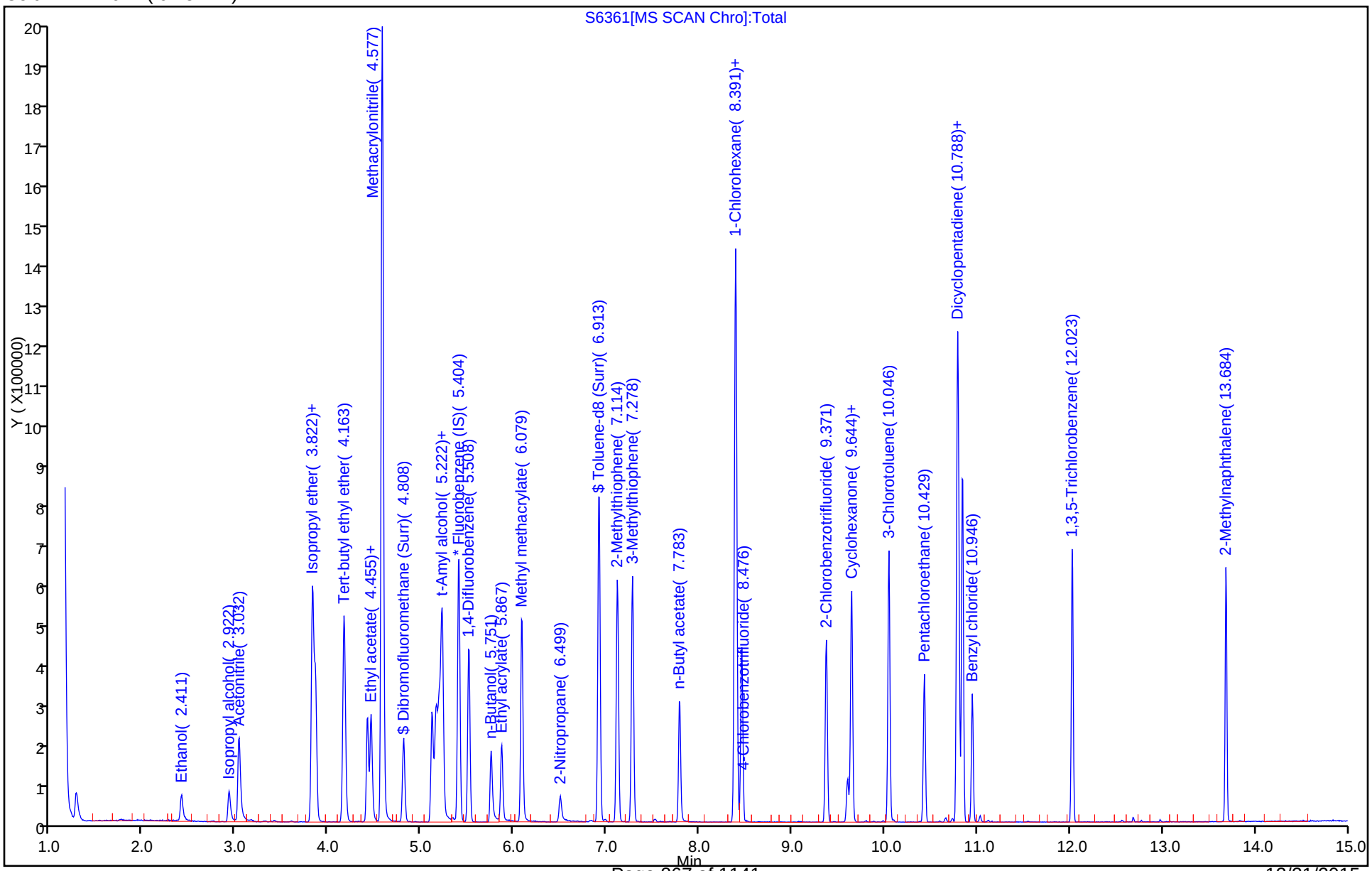
Report Date: 21-Dec-2015 15:16:35 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6361.D

Injection Date:	20-Dec-2015 12:41:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280772/3 Calibration Date: 12/21/2015 10:27

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6391.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.146	0.1000	22.3	25.0	-10.8	50.0
Chloromethane	Ave	2.470	1.770	0.1000	17.9	25.0	-28.4*	20.0
Vinyl chloride	Ave	1.328	0.8805	0.1000	16.6	25.0	-33.7*	20.0
Butadiene	Ave	1.607	1.192		18.5	25.0	-25.8*	20.0
Bromomethane	Ave	0.4062	0.3050	0.1000	18.8	25.0	-24.9	50.0
Chloroethane	Lin1		0.4529	0.1000	20.2	25.0	-19.2	50.0
Dichlorofluoromethane	Ave	1.417	1.150		20.3	25.0	-18.8	20.0
Trichlorofluoromethane	Ave	1.194	1.299	0.1000	27.2	25.0	8.9	20.0
Ethyl ether	Ave	1.443	1.276		22.1	25.0	-11.6	20.0
Acrolein	Ave	0.2790	0.2537		114	125	-9.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.049	0.1000	26.4	25.0	5.6	20.0
1,1-Dichloroethene	Ave	1.124	1.000	0.1000	22.2	25.0	-11.0	20.0
Acetone	Ave	0.4654	0.5995	0.1000	161	125	28.8	50.0
Iodomethane	Ave	1.261	1.553		30.8	25.0	23.2*	20.0
Carbon disulfide	Ave	3.229	2.978	0.1000	23.1	25.0	-7.8	20.0
Allyl chloride	Ave	2.327	2.734		29.4	25.0	17.5	20.0
Methyl acetate	Ave	1.200	1.337	0.1000	139	125	11.4	50.0
Methylene Chloride	Lin1		1.075	0.1000	23.1	25.0	-7.7	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1366		275	250	10.1	50.0
Methyl tert-butyl ether	Ave	3.264	3.007	0.1000	23.0	25.0	-7.8	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.079	0.1000	23.2	25.0	-7.1	20.0
Acrylonitrile	Ave	0.6438	0.6968		271	250	8.2	20.0
Hexane	Ave	2.616	2.777		26.5	25.0	6.2	20.0
1,1-Dichloroethane	Ave	2.524	2.390	0.2000	23.7	25.0	-5.3	20.0
Vinyl acetate	Ave	3.140	3.427		54.6	50.0	9.2	20.0
2,2-Dichloropropane	Ave	0.8974	1.128		31.4	25.0	25.6*	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.180	0.1000	23.2	25.0	-7.2	20.0
2-Butanone (MEK)	Ave	0.7376	0.8450	0.1000	143	125	14.6	20.0
Chlorobromomethane	Ave	0.6585	0.5524		21.0	25.0	-16.1	20.0
Tetrahydrofuran	Ave	0.5552	0.5669		51.1	50.0	2.1	20.0
Chloroform	Ave	1.940	1.830	0.2000	23.6	25.0	-5.7	20.0
1,1,1-Trichloroethane	Ave	1.393	1.556	0.1000	27.9	25.0	11.7	20.0
Cyclohexane	Ave	3.002	3.062	0.1000	25.5	25.0	2.0	20.0
Carbon tetrachloride	Ave	1.292	1.349	0.1000	26.1	25.0	4.5	20.0
1,1-Dichloropropene	Ave	1.579	1.553		24.6	25.0	-1.7	20.0
Benzene	Ave	4.495	4.334	0.5000	24.1	25.0	-3.6	20.0
Isobutyl alcohol	Ave	0.0626	0.0745		743	625	18.9	50.0
1,2-Dichloroethane	Ave	2.039	1.870	0.1000	22.9	25.0	-8.3	20.0
n-Heptane	Ave	2.713	3.131		28.8	25.0	15.4	20.0
Trichloroethene	Ave	1.185	1.105	0.2000	23.3	25.0	-6.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280772/3 Calibration Date: 12/21/2015 10:27

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6391.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.007	0.1000	25.0	25.0	-0.2	20.0
1,2-Dichloropropane	Ave	1.396	1.280	0.1000	22.9	25.0	-8.3	20.0
Dibromomethane	Ave	0.6442	0.6262	0.1000	24.3	25.0	-2.8	20.0
1,4-Dioxane	Ave	0.0052	0.0059		563	500	12.7	50.0
Bromodichloromethane	Ave	1.236	1.246	0.2000	25.2	25.0	0.8	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.8049		21.9	25.0	-12.4	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.649	0.2000	23.6	25.0	-5.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7813	0.1000	142	125	13.9	20.0
Toluene	Ave	1.356	1.385	0.4000	25.5	25.0	2.1	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.7359	0.1000	26.4	25.0	5.8	20.0
Ethyl methacrylate	Ave	0.5638	0.5979		26.5	25.0	6.0	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3549	0.1000	23.7	25.0	-5.4	20.0
Tetrachloroethene	Ave	0.6533	0.6465	0.2000	24.7	25.0	-1.0	20.0
1,3-Dichloropropane	Ave	0.8099	0.8142		25.1	25.0	0.5	20.0
2-Hexanone	Ave	0.4654	0.5747	0.1000	154	125	23.5*	20.0
Dibromochloromethane	Ave	0.4073	0.4075	0.1000	25.0	25.0	0.0	20.0
1,2-Dibromoethane	Ave	0.4436	0.4533		25.5	25.0	2.2	20.0
Chlorobenzene	Ave	1.582	1.504	0.5000	23.8	25.0	-5.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4856		25.2	25.0	0.7	20.0
Ethylbenzene	Ave	2.456	2.560	0.1000	26.1	25.0	4.2	20.0
m,p-Xylene	Ave	1.042	1.011	0.1000	24.3	25.0	-3.0	20.0
o-Xylene	Ave	1.016	0.997	0.3000	24.5	25.0	-1.9	20.0
Styrene	Ave	1.635	1.630	0.3000	24.9	25.0	-0.3	20.0
Bromoform	Ave	0.1896	0.2169	0.1000	28.6	25.0	14.4	50.0
Isopropylbenzene	Ave	2.403	2.757	0.1000	28.7	25.0	14.8	20.0
Bromobenzene	Ave	0.6782	0.6812		25.1	25.0	0.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5980	0.3000	28.1	25.0	12.5	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.1990		26.6	25.0	6.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2757		28.3	25.0	13.1	50.0
N-Propylbenzene	Ave	2.734	3.256		29.8	25.0	19.1	20.0
2-Chlorotoluene	Ave	0.6001	0.6419		26.7	25.0	7.0	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.361		28.7	25.0	14.6	20.0
4-Chlorotoluene	Ave	0.6495	0.6741		25.9	25.0	3.8	20.0
tert-Butylbenzene	Ave	0.4873	0.5380		27.6	25.0	10.4	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.413		28.6	25.0	14.6	20.0
sec-Butylbenzene	Ave	2.577	3.007		29.2	25.0	16.7	20.0
1,3-Dichlorobenzene	Ave	1.305	1.325	0.6000	25.4	25.0	1.5	20.0
4-Isopropyltoluene	Ave	2.388	2.583		27.0	25.0	8.2	20.0
1,4-Dichlorobenzene	Ave	1.323	1.349	0.5000	25.5	25.0	2.0	20.0
n-Butylbenzene	Ave	1.918	2.333		30.4	25.0	21.6*	20.0
1,2-Dichlorobenzene	Ave	1.266	1.282	0.4000	25.3	25.0	1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-280772/3 Calibration Date: 12/21/2015 10:27

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6391.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0954	0.0500	29.8	25.0	19.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.9422	0.2000	25.3	25.0	1.4	20.0
Hexachlorobutadiene	Ave	0.4129	0.4527		27.4	25.0	9.6	20.0
Naphthalene	Ave	2.162	2.073		24.0	25.0	-4.1	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8608		24.6	25.0	-1.5	20.0
Dibromofluoromethane (Surr)	Ave	1.133	1.067		25.6	27.2	-5.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7338		25.7	27.2	-5.4	20.0
Toluene-d8 (Surr)	Ave	2.204	2.254		27.8	27.2	2.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6745		26.0	27.2	-4.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6391.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Dec-2015 10:27:30 ALS Bottle#: 34 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049435-003
Operator ID: gtg Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 16:56:56 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: goliszekg Date: 21-Dec-2015 10:56:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	92	94278	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	191048	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	72	180123	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	48	109353	27.2	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	75196	27.2	25.7	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	84	468104	27.2	27.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	140066	27.2	26.0	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	85	108074	25.0	22.3	
12 Chloromethane	50	1.407	1.407	0.000	89	166827	25.0	17.9	
13 Vinyl chloride	62	1.505	1.505	0.000	81	83007	25.0	16.6	
151 Butadiene	54	1.535	1.535	0.000	89	112393	25.0	18.5	
14 Bromomethane	94	1.821	1.821	0.000	92	28751	25.0	18.8	
15 Chloroethane	64	1.906	1.906	0.000	89	42696	25.0	20.2	
16 Dichlorofluoromethane	67	2.125	2.125	0.000	78	108441	25.0	20.3	
17 Trichlorofluoromethane	101	2.137	2.137	0.000	78	122509	25.0	27.2	
18 Ethyl ether	59	2.417	2.417	0.000	95	120258	25.0	22.1	
20 Acrolein	56	2.575	2.575	0.000	92	119573	125.0	113.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.642	2.642	0.000	54	98926	25.0	26.4	
22 1,1-Dichloroethene	96	2.648	2.648	0.000	78	94312	25.0	22.2	
23 Acetone	43	2.733	2.733	0.000	98	282602	125.0	161.0	
25 Iodomethane	142	2.806	2.806	0.000	98	146429	25.0	30.8	
26 Carbon disulfide	76	2.843	2.843	0.000	98	280718	25.0	23.1	
28 3-Chloro-1-propene	41	2.995	2.995	0.000	87	257725	25.0	29.4	
27 Methyl acetate	43	3.038	3.038	0.000	97	630058	125.0	139.3	
30 Methylene Chloride	84	3.135	3.135	0.000	83	101303	25.0	23.1	
31 2-Methyl-2-propanol	59	3.299	3.299	0.000	95	128752	250.0	275.4	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	92	283528	25.0	23.0	
34 trans-1,2-Dichloroethene	96	3.372	3.372	0.000	78	101702	25.0	23.2	
33 Acrylonitrile	53	3.403	3.403	0.000	97	656911	250.0	270.6	
35 Hexane	57	3.591	3.591	0.000	96	261845	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.786	3.786	0.000	86	225289	25.0	23.7	
37 Vinyl acetate	43	3.841	3.841	0.000	97	646220	50.0	54.6	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	86	106299	25.0	31.4	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	74	111206	25.0	23.2	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	91	398324	125.0	143.2	
48 Chlorobromomethane	128	4.571	4.571	0.000	80	52078	25.0	21.0	
49 Tetrahydrofuran	42	4.601	4.601	0.000	92	106898	50.0	51.1	
50 Chloroform	83	4.650	4.650	0.000	84	172527	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.784	4.784	0.000	88	146666	25.0	27.9	
52 Cyclohexane	56	4.802	4.802	0.000	92	288725	25.0	25.5	
55 Carbon tetrachloride	117	4.924	4.924	0.000	74	127197	25.0	26.1	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	146412	25.0	24.6	
57 Benzene	78	5.130	5.130	0.000	92	408608	25.0	24.1	
53 Isobutyl alcohol	43	5.130	5.130	0.000	60	175487	625.0	743.1	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	176275	25.0	22.9	
59 n-Heptane	43	5.337	5.337	0.000	95	295154	25.0	28.8	
62 Trichloroethene	95	5.745	5.745	0.000	89	104161	25.0	23.3	
64 Methylcyclohexane	83	5.885	5.885	0.000	94	189225	25.0	25.0	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	89	120721	25.0	22.9	
67 Dibromomethane	93	6.104	6.104	0.000	91	59037	25.0	24.3	
66 1,4-Dioxane	88	6.122	6.122	0.000	71	22418	500.0	563.3	
68 Dichlorobromomethane	83	6.262	6.262	0.000	89	117447	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	6.542	6.542	0.000	84	75886	25.0	21.9	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	82	155471	25.0	23.6	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	746312	125.0	142.3	
74 Toluene	92	6.980	6.980	0.000	90	264540	25.0	25.5	
77 trans-1,3-Dichloropropene	75	7.248	7.248	0.000	92	140595	25.0	26.4	
75 Ethyl methacrylate	69	7.302	7.302	0.000	91	114231	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.430	7.430	0.000	90	67808	25.0	23.7	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	123507	25.0	24.7	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	92	155559	25.0	25.1	
80 2-Hexanone	43	7.667	7.667	0.000	99	549004	125.0	154.4	
83 Chlorodibromomethane	129	7.832	7.832	0.000	84	77846	25.0	25.0	
84 Ethylene Dibromide	107	7.935	7.935	0.000	96	86608	25.0	25.5	
87 Chlorobenzene	112	8.422	8.422	0.000	89	287324	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	39	92772	25.0	25.2	
88 Ethylbenzene	91	8.525	8.525	0.000	98	489054	25.0	26.1	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	193085	25.0	24.3	
91 o-Xylene	106	9.066	9.066	0.000	97	190404	25.0	24.5	
92 Styrene	104	9.097	9.097	0.000	93	311464	25.0	24.9	
95 Bromoform	173	9.328	9.328	0.000	95	41432	25.0	28.6	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	496683	25.0	28.7	
101 Bromobenzene	156	9.797	9.797	0.000	93	122690	25.0	25.1	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	107712	25.0	28.1	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	58	35838	25.0	26.6	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	28	49658	25.0	28.3	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	586415	25.0	29.8	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	115629	25.0	26.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	92	425306	25.0	28.7	
105 4-Chlorotoluene	126	10.095	10.095	0.000	95	121429	25.0	25.9	
106 tert-Butylbenzene	134	10.381	10.381	0.000	91	96909	25.0	27.6	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	69	434560	25.0	28.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.593	10.593	0.000	94	541673	25.0	29.2	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	95	238695	25.0	25.4	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	92	465309	25.0	27.0	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	92	243061	25.0	25.5	
115 n-Butylbenzene	91	11.117	11.117	0.000	94	420144	25.0	30.4	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	91	230932	25.0	25.3	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	59	17176	25.0	29.8	
119 1,2,4-Trichlorobenzene	180	12.565	12.565	0.000	90	169711	25.0	25.3	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	81532	25.0	27.4	
121 Naphthalene	128	12.771	12.771	0.000	97	373482	25.0	24.0	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.000	93	155053	25.0	24.6	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

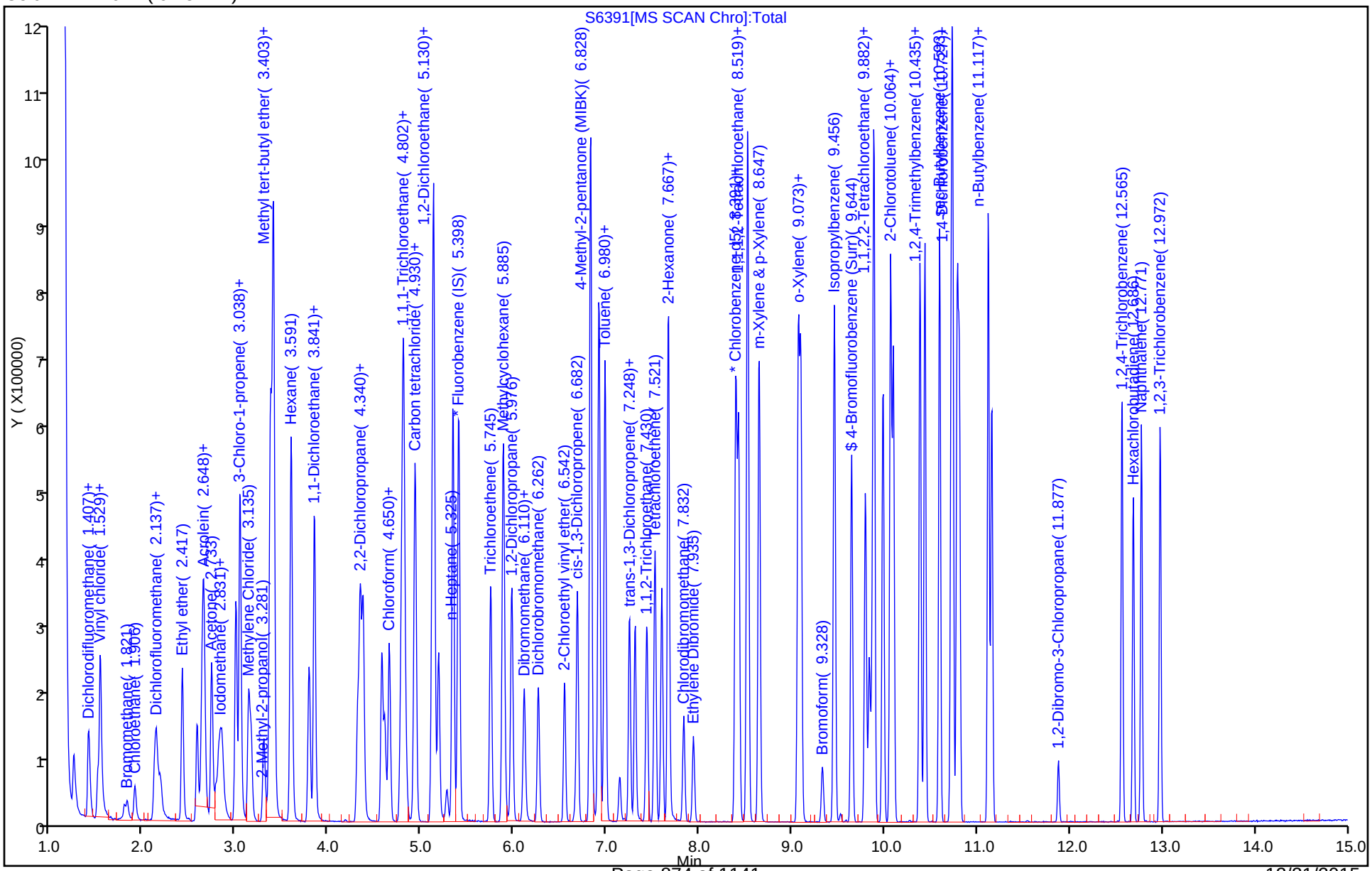
Report Date: 21-Dec-2015 16:56:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6391.D

Injection Date:	21-Dec-2015 10:27:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.041	0.1000	20.2	25.0	-19.0	50.0
Chloromethane	Ave	2.470	1.758	0.1000	17.8	25.0	-28.8*	20.0
Vinyl chloride	Ave	1.328	1.004	0.1000	18.9	25.0	-24.5*	20.0
Butadiene	Ave	1.607	1.346		20.9	25.0	-16.3	20.0
Bromomethane	Ave	0.4062	0.3750	0.1000	23.1	25.0	-7.7	50.0
Chloroethane	Lin1		0.5043	0.1000	22.5	25.0	-9.9	50.0
Dichlorofluoromethane	Ave	1.417	1.285		22.7	25.0	-9.3	20.0
Trichlorofluoromethane	Ave	1.194	1.300	0.1000	27.2	25.0	9.0	20.0
Ethyl ether	Ave	1.443	1.271		22.0	25.0	-12.0	20.0
Acrolein	Ave	0.2790	0.2482		111	125	-11.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.006	0.1000	25.3	25.0	1.3	20.0
1,1-Dichloroethene	Ave	1.124	0.9813	0.1000	21.8	25.0	-12.7	20.0
Acetone	Ave	0.4654	0.5648	0.1000	152	125	21.4	50.0
Iodomethane	Ave	1.261	1.376		27.3	25.0	9.1	20.0
Carbon disulfide	Ave	3.229	2.842	0.1000	22.0	25.0	-12.0	20.0
Allyl chloride	Ave	2.327	2.437		26.2	25.0	4.7	20.0
Methyl acetate	Ave	1.200	1.168	0.1000	122	125	-2.6	50.0
Methylene Chloride	Lin1		0.9945	0.1000	21.3	25.0	-14.8	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1320		266	250	6.5	50.0
Methyl tert-butyl ether	Ave	3.264	2.797	0.1000	21.4	25.0	-14.3	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.005	0.1000	21.6	25.0	-13.4	20.0
Acrylonitrile	Ave	0.6438	0.6257		243	250	-2.8	20.0
Hexane	Ave	2.616	2.643		25.3	25.0	1.0	20.0
1,1-Dichloroethane	Ave	2.524	2.260	0.2000	22.4	25.0	-10.5	20.0
Vinyl acetate	Ave	3.140	3.049		48.6	50.0	-2.9	20.0
2,2-Dichloropropane	Ave	0.8974	1.028		28.6	25.0	14.5	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.101	0.1000	21.6	25.0	-13.4	20.0
2-Butanone (MEK)	Ave	0.7376	0.7773	0.1000	132	125	5.4	20.0
Chlorobromomethane	Ave	0.6585	0.4919		18.7	25.0	-25.3*	20.0
Tetrahydrofuran	Ave	0.5552	0.4916		44.3	50.0	-11.4	20.0
Chloroform	Ave	1.940	1.727	0.2000	22.3	25.0	-11.0	20.0
1,1,1-Trichloroethane	Ave	1.393	1.398	0.1000	25.1	25.0	0.3	20.0
Cyclohexane	Ave	3.002	2.963	0.1000	24.7	25.0	-1.3	20.0
Carbon tetrachloride	Ave	1.292	1.204	0.1000	23.3	25.0	-6.8	20.0
1,1-Dichloropropene	Ave	1.579	1.479		23.4	25.0	-6.3	20.0
Isobutyl alcohol	Ave	0.0626	0.0665		664	625	6.2	50.0
Benzene	Ave	4.495	4.106	0.5000	22.8	25.0	-8.7	20.0
1,2-Dichloroethane	Ave	2.039	1.672	0.1000	20.5	25.0	-18.0	20.0
n-Heptane	Ave	2.713	2.779		25.6	25.0	2.4	20.0
Trichloroethene	Ave	1.185	1.057	0.2000	22.3	25.0	-10.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.000	0.1000	24.9	25.0	-0.5	20.0
1,2-Dichloropropane	Ave	1.396	1.224	0.1000	21.9	25.0	-12.3	20.0
Dibromomethane	Ave	0.6442	0.5605	0.1000	21.8	25.0	-13.0	20.0
1,4-Dioxane	Ave	0.0052	0.0052		502	500	0.3	50.0
Bromodichloromethane	Ave	1.236	1.120	0.2000	22.7	25.0	-9.4	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7405		20.1	25.0	-19.4	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.513	0.2000	21.6	25.0	-13.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7280	0.1000	133	125	6.1	20.0
Toluene	Ave	1.356	1.334	0.4000	24.6	25.0	-1.6	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.6768	0.1000	24.3	25.0	-2.7	20.0
Ethyl methacrylate	Ave	0.5638	0.5978		26.5	25.0	6.0	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3493	0.1000	23.3	25.0	-6.9	20.0
Tetrachloroethene	Ave	0.6533	0.6098	0.2000	23.3	25.0	-6.7	20.0
1,3-Dichloropropane	Ave	0.8099	0.7756		23.9	25.0	-4.2	20.0
2-Hexanone	Ave	0.4654	0.5419	0.1000	146	125	16.4	20.0
Dibromochloromethane	Ave	0.4073	0.3629	0.1000	22.3	25.0	-10.9	20.0
1,2-Dibromoethane	Ave	0.4436	0.4149		23.4	25.0	-6.5	20.0
Chlorobenzene	Ave	1.582	1.436	0.5000	22.7	25.0	-9.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4409		22.8	25.0	-8.6	20.0
Ethylbenzene	Ave	2.456	2.505	0.1000	25.5	25.0	2.0	20.0
m,p-Xylene	Ave	1.042	0.9775	0.1000	23.5	25.0	-6.2	20.0
o-Xylene	Ave	1.016	0.9549	0.3000	23.5	25.0	-6.0	20.0
Styrene	Ave	1.635	1.562	0.3000	23.9	25.0	-4.5	20.0
Bromoform	Ave	0.1896	0.1898	0.1000	25.0	25.0	0.1	50.0
Isopropylbenzene	Ave	2.403	2.669	0.1000	27.8	25.0	11.1	20.0
Bromobenzene	Ave	0.6782	0.6237		23.0	25.0	-8.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5628	0.3000	26.5	25.0	5.8	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.1824		24.3	25.0	-2.6	20.0
N-Propylbenzene	Ave	2.734	3.179		29.1	25.0	16.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2327		23.9	25.0	-4.5	50.0
2-Chlorotoluene	Ave	0.6001	0.5983		24.9	25.0	-0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.307		28.0	25.0	12.0	20.0
4-Chlorotoluene	Ave	0.6495	0.6386		24.6	25.0	-1.7	20.0
tert-Butylbenzene	Ave	0.4873	0.5481		28.1	25.0	12.5	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.304		27.4	25.0	9.4	20.0
sec-Butylbenzene	Ave	2.577	2.947		28.6	25.0	14.4	20.0
1,3-Dichlorobenzene	Ave	1.305	1.263	0.6000	24.2	25.0	-3.3	20.0
4-Isopropyltoluene	Ave	2.388	2.509		26.3	25.0	5.1	20.0
1,4-Dichlorobenzene	Ave	1.323	1.285	0.5000	24.3	25.0	-2.9	20.0
n-Butylbenzene	Ave	1.918	2.272		29.6	25.0	18.5	20.0
1,2-Dichlorobenzene	Ave	1.266	1.193	0.4000	23.6	25.0	-5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0901	0.0500	28.1	25.0	12.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.8917	0.2000	24.0	25.0	-4.1	20.0
Hexachlorobutadiene	Ave	0.4129	0.4280		25.9	25.0	3.7	20.0
Naphthalene	Ave	2.162	2.002		23.2	25.0	-7.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8119		23.2	25.0	-7.1	20.0
Dibromofluoromethane (Surr)	Ave	1.133	0.9684		23.2	27.2	-14.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.6944		24.3	27.2	-10.4	20.0
Toluene-d8 (Surr)	Ave	2.204	2.177		26.8	27.2	-1.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6651		25.6	27.2	-5.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6453.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Dec-2015 10:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049479-003
Operator ID: gtg Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 17:41:47 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: goliszekg Date: 22-Dec-2015 16:36:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	96	120897	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	239453	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	73	225285	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	50	127252	27.2	23.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	91253	27.2	24.3	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	84	566595	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	173116	27.2	25.6	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	84	125865	25.0	20.2	
12 Chloromethane	50	1.401	1.401	0.000	89	212573	25.0	17.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	121323	25.0	18.9	
151 Butadiene	54	1.535	1.535	0.000	87	162689	25.0	20.9	
14 Bromomethane	94	1.815	1.815	0.000	90	45340	25.0	23.1	
15 Chloroethane	64	1.912	1.912	0.000	89	60973	25.0	22.5	
16 Dichlorofluoromethane	67	2.125	2.125	0.000	77	155410	25.0	22.7	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	82	157207	25.0	27.2	
18 Ethyl ether	59	2.417	2.417	0.000	95	153601	25.0	22.0	
20 Acrolein	56	2.575	2.575	0.000	96	150026	125.0	111.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.648	2.648	0.000	53	121654	25.0	25.3	
22 1,1-Dichloroethene	96	2.648	2.648	0.000	78	118635	25.0	21.8	
23 Acetone	43	2.734	2.734	0.000	98	341420	125.0	151.7	
25 Iodomethane	142	2.813	2.813	0.000	97	166302	25.0	27.3	
26 Carbon disulfide	76	2.849	2.849	0.000	98	343599	25.0	22.0	
28 3-Chloro-1-propene	41	3.001	3.001	0.000	86	294647	25.0	26.2	
27 Methyl acetate	43	3.044	3.044	0.000	97	706147	125.0	121.7	
30 Methylene Chloride	84	3.141	3.141	0.000	82	120226	25.0	21.3	
31 2-Methyl-2-propanol	59	3.293	3.293	0.000	96	159576	250.0	266.1	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	93	338160	25.0	21.4	
34 trans-1,2-Dichloroethene	96	3.378	3.378	0.000	88	121517	25.0	21.6	
33 Acrylonitrile	53	3.403	3.403	0.000	99	756419	250.0	242.9	
35 Hexane	57	3.597	3.597	0.000	94	319578	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.786	3.786	0.000	85	273191	25.0	22.4	
37 Vinyl acetate	43	3.847	3.847	0.000	97	737300	50.0	48.6	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	90	124277	25.0	28.6	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	75	133068	25.0	21.6	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	92	469882	125.0	131.7	
48 Chlorobromomethane	128	4.577	4.577	0.000	82	59464	25.0	18.7	
49 Tetrahydrofuran	42	4.601	4.601	0.000	93	118876	50.0	44.3	
50 Chloroform	83	4.656	4.656	0.000	83	208789	25.0	22.3	
51 1,1,1-Trichloroethane	97	4.784	4.784	0.000	88	169013	25.0	25.1	
52 Cyclohexane	56	4.808	4.808	0.000	92	358227	25.0	24.7	
55 Carbon tetrachloride	117	4.930	4.930	0.000	65	145539	25.0	23.3	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	178851	25.0	23.4	
53 Isobutyl alcohol	43	5.130	5.130	0.000	61	201059	625.0	663.9	
57 Benzene	78	5.137	5.137	0.000	95	496404	25.0	22.8	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	202136	25.0	20.5	
59 n-Heptane	43	5.343	5.343	0.000	95	336000	25.0	25.6	
62 Trichloroethene	95	5.751	5.751	0.000	88	127783	25.0	22.3	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	241765	25.0	24.9	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	90	147994	25.0	21.9	
67 Dibromomethane	93	6.110	6.110	0.000	89	67765	25.0	21.8	
66 1,4-Dioxane	88	6.116	6.116	0.000	44	25020	500.0	501.6	
68 Dichlorobromomethane	83	6.262	6.262	0.000	89	135413	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	6.542	6.542	0.000	87	89521	25.0	20.1	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	82	182880	25.0	21.6	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	97	871596	125.0	132.6	
74 Toluene	92	6.980	6.980	0.000	88	319444	25.0	24.6	
77 trans-1,3-Dichloropropene	75	7.248	7.248	0.000	94	162059	25.0	24.3	
75 Ethyl methacrylate	69	7.308	7.308	0.000	88	143136	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	90	83638	25.0	23.3	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	146025	25.0	23.3	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	95	185727	25.0	23.9	
80 2-Hexanone	43	7.667	7.667	0.000	99	648764	125.0	145.6	
83 Chlorodibromomethane	129	7.832	7.832	0.000	85	86900	25.0	22.3	
84 Ethylene Dibromide	107	7.941	7.941	0.000	97	99358	25.0	23.4	
87 Chlorobenzene	112	8.422	8.422	0.000	89	343959	25.0	22.7	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	39	105566	25.0	22.8	
88 Ethylbenzene	91	8.525	8.525	0.000	98	599905	25.0	25.5	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	234072	25.0	23.5	
91 o-Xylene	106	9.073	9.073	0.000	97	228647	25.0	23.5	
92 Styrene	104	9.097	9.097	0.000	94	373944	25.0	23.9	
95 Bromoform	173	9.334	9.334	0.000	93	45441	25.0	25.0	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	601228	25.0	27.8	
101 Bromobenzene	156	9.797	9.797	0.000	94	140503	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	79	126783	25.0	26.5	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	59	41099	25.0	24.3	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	24	52424	25.0	23.9	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	716273	25.0	29.1	
103 2-Chlorotoluene	126	9.985	9.985	0.000	93	134795	25.0	24.9	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	90	519715	25.0	28.0	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	143855	25.0	24.6	
106 tert-Butylbenzene	134	10.381	10.381	0.000	87	123483	25.0	28.1	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	69	518988	25.0	27.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	663871	25.0	28.6	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	284483	25.0	24.2	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	94	565158	25.0	26.3	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	90	289433	25.0	24.3	
115 n-Butylbenzene	91	11.117	11.117	0.000	95	511939	25.0	29.6	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	91	268704	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	54	20294	25.0	28.1	
119 1,2,4-Trichlorobenzene	180	12.565	12.565	0.000	93	200884	25.0	24.0	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	96420	25.0	25.9	
121 Naphthalene	128	12.771	12.771	0.000	97	451036	25.0	23.2	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	95	182898	25.0	23.2	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

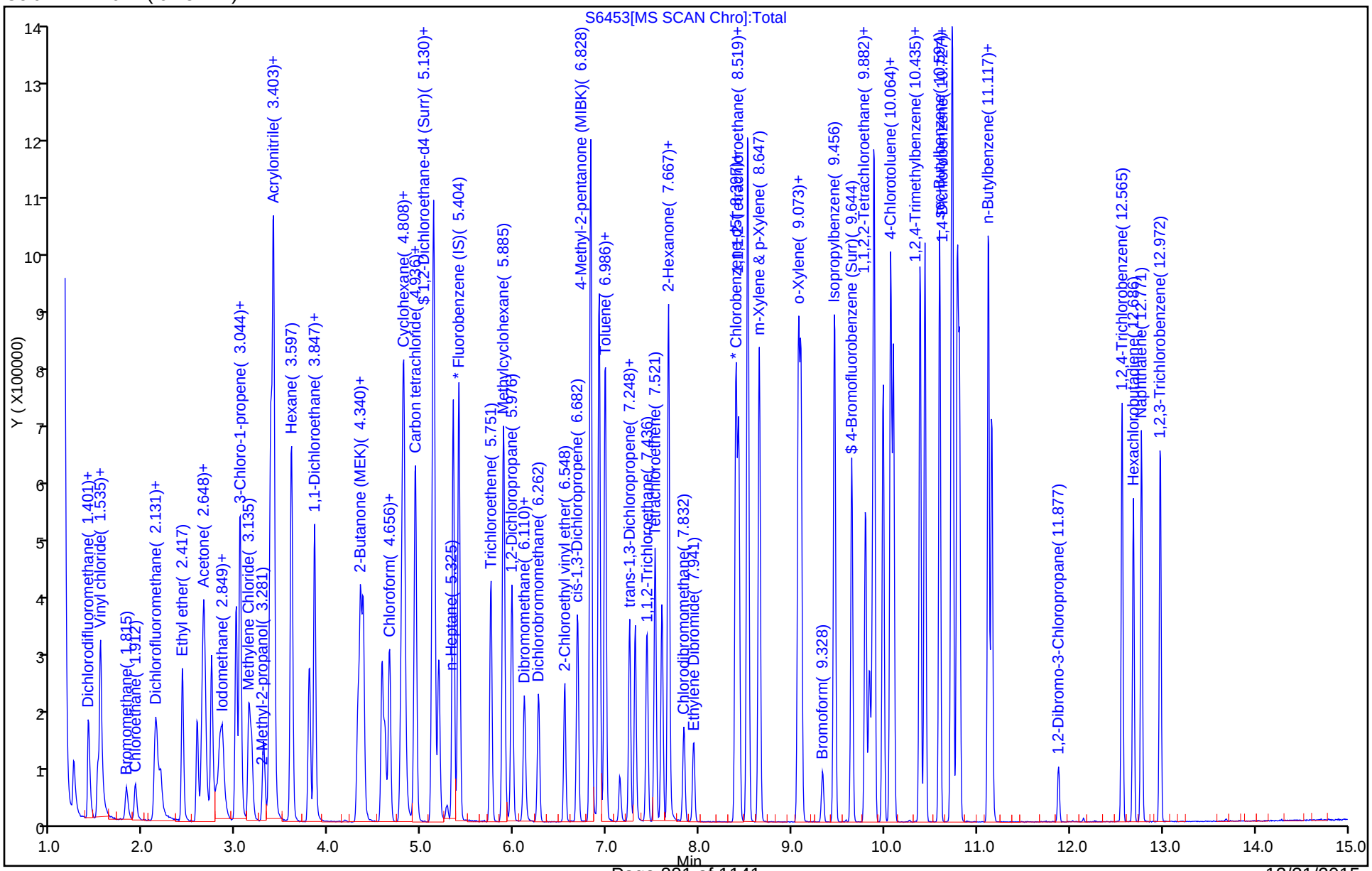
Report Date: 22-Dec-2015 17:41:48 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6453.D

Injection Date:	22-Dec-2015 10:55:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-281166/3 Calibration Date: 12/22/2015 21:26

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6481.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.209	0.1000	23.5	25.0	-5.9	50.0
Chloromethane	Ave	2.470	1.916	0.1000	19.4	25.0	-22.5*	20.0
Vinyl chloride	Ave	1.328	1.108	0.1000	20.8	25.0	-16.6	20.0
Butadiene	Ave	1.607	1.404		21.8	25.0	-12.6	20.0
Bromomethane	Ave	0.4062	0.4937	0.1000	30.4	25.0	21.5	50.0
Chloroethane	Lin1		0.5734	0.1000	25.7	25.0	2.6	50.0
Dichlorofluoromethane	Ave	1.417	1.386		24.5	25.0	-2.2	20.0
Trichlorofluoromethane	Ave	1.194	1.348	0.1000	28.2	25.0	13.0	20.0
Ethyl ether	Ave	1.443	1.315		22.8	25.0	-8.8	20.0
Acrolein	Ave	0.2790	0.2519		113	125	-9.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	0.9781	0.1000	24.6	25.0	-1.6	20.0
1,1-Dichloroethene	Ave	1.124	1.072	0.1000	23.8	25.0	-4.7	20.0
Acetone	Ave	0.4654	0.5061	0.1000	136	125	8.8	50.0
Iodomethane	Ave	1.261	1.210		24.0	25.0	-4.0	20.0
Carbon disulfide	Ave	3.229	2.900	0.1000	22.5	25.0	-10.2	20.0
Allyl chloride	Ave	2.327	2.293		24.6	25.0	-1.5	20.0
Methyl acetate	Ave	1.200	1.196	0.1000	125	125	-0.3	50.0
Methylene Chloride	Lin1		1.060	0.1000	22.7	25.0	-9.0	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1310		264	250	5.7	50.0
Methyl tert-butyl ether	Ave	3.264	2.959	0.1000	22.7	25.0	-9.3	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.085	0.1000	23.4	25.0	-6.5	20.0
Acrylonitrile	Ave	0.6438	0.6369		247	250	-1.1	20.0
Hexane	Ave	2.616	2.746		26.2	25.0	5.0	20.0
1,1-Dichloroethane	Ave	2.524	2.348	0.2000	23.3	25.0	-7.0	20.0
Vinyl acetate	Ave	3.140	2.961		47.2	50.0	-5.7	20.0
2,2-Dichloropropane	Ave	0.8974	1.022		28.5	25.0	13.9	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.153	0.1000	22.7	25.0	-9.3	20.0
2-Butanone (MEK)	Ave	0.7376	0.7402	0.1000	125	125	0.3	20.0
Chlorobromomethane	Ave	0.6585	0.5119		19.4	25.0	-22.3*	20.0
Tetrahydrofuran	Ave	0.5552	0.5228		47.1	50.0	-5.8	20.0
Chloroform	Ave	1.940	1.780	0.2000	22.9	25.0	-8.2	20.0
1,1,1-Trichloroethane	Ave	1.393	1.363	0.1000	24.4	25.0	-2.2	20.0
Cyclohexane	Ave	3.002	3.034	0.1000	25.3	25.0	1.1	20.0
Carbon tetrachloride	Ave	1.292	1.170	0.1000	22.6	25.0	-9.4	20.0
1,1-Dichloropropene	Ave	1.579	1.551		24.6	25.0	-1.8	20.0
Isobutyl alcohol	Ave	0.0626	0.0666		665	625	6.3	50.0
Benzene	Ave	4.495	4.325	0.5000	24.1	25.0	-3.8	20.0
1,2-Dichloroethane	Ave	2.039	1.744	0.1000	21.4	25.0	-14.5	20.0
n-Heptane	Ave	2.713	2.860		26.4	25.0	5.4	20.0
Trichloroethene	Ave	1.185	1.102	0.2000	23.3	25.0	-7.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-281166/3 Calibration Date: 12/22/2015 21:26

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6481.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.079	0.1000	25.8	25.0	3.4	20.0
1,2-Dichloropropane	Ave	1.396	1.299	0.1000	23.3	25.0	-6.9	20.0
Dibromomethane	Ave	0.6442	0.5884	0.1000	22.8	25.0	-8.7	20.0
1,4-Dioxane	Ave	0.0052	0.0050		484	500	-3.3	50.0
Bromodichloromethane	Ave	1.236	1.127	0.2000	22.8	25.0	-8.8	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.8200		22.3	25.0	-10.8	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.599	0.2000	22.8	25.0	-8.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7319	0.1000	133	125	6.7	20.0
Toluene	Ave	1.356	1.371	0.4000	25.3	25.0	1.1	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.6848	0.1000	24.6	25.0	-1.6	20.0
Ethyl methacrylate	Ave	0.5638	0.6209		27.5	25.0	10.1	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3582	0.1000	23.9	25.0	-4.5	20.0
Tetrachloroethene	Ave	0.6533	0.6265	0.2000	24.0	25.0	-4.1	20.0
1,3-Dichloropropane	Ave	0.8099	0.7954		24.6	25.0	-1.8	20.0
2-Hexanone	Ave	0.4654	0.5217	0.1000	140	125	12.1	20.0
Dibromochloromethane	Ave	0.4073	0.3365	0.1000	20.7	25.0	-17.4	20.0
1,2-Dibromoethane	Ave	0.4436	0.4291		24.2	25.0	-3.3	20.0
Chlorobenzene	Ave	1.582	1.464	0.5000	23.1	25.0	-7.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4279		22.2	25.0	-11.3	20.0
Ethylbenzene	Ave	2.456	2.567	0.1000	26.1	25.0	4.5	20.0
m,p-Xylene	Ave	1.042	1.016	0.1000	24.4	25.0	-2.5	20.0
o-Xylene	Ave	1.016	0.9608	0.3000	23.6	25.0	-5.4	20.0
Styrene	Ave	1.635	1.600	0.3000	24.5	25.0	-2.2	20.0
Bromoform	Ave	0.1896	0.1672	0.1000	22.1	25.0	-11.8	50.0
Isopropylbenzene	Ave	2.403	2.737	0.1000	28.5	25.0	13.9	20.0
Bromobenzene	Ave	0.6782	0.6648		24.5	25.0	-2.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5724	0.3000	26.9	25.0	7.6	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.1957		26.1	25.0	4.5	20.0
N-Propylbenzene	Ave	2.734	3.224		29.5	25.0	17.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2324		23.8	25.0	-4.7	50.0
2-Chlorotoluene	Ave	0.6001	0.6201		25.8	25.0	3.3	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.288		27.8	25.0	11.1	20.0
4-Chlorotoluene	Ave	0.6495	0.6463		24.9	25.0	-0.5	20.0
tert-Butylbenzene	Ave	0.4873	0.5345		27.4	25.0	9.7	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.338		27.8	25.0	11.0	20.0
sec-Butylbenzene	Ave	2.577	2.956		28.7	25.0	14.7	20.0
1,3-Dichlorobenzene	Ave	1.305	1.295	0.6000	24.8	25.0	-0.8	20.0
4-Isopropyltoluene	Ave	2.388	2.501		26.2	25.0	4.7	20.0
1,4-Dichlorobenzene	Ave	1.323	1.289	0.5000	24.3	25.0	-2.6	20.0
n-Butylbenzene	Ave	1.918	2.277		29.7	25.0	18.7	20.0
1,2-Dichlorobenzene	Ave	1.266	1.202	0.4000	23.7	25.0	-5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Lab Sample ID: CCVIS 480-281166/3 Calibration Date: 12/22/2015 21:26

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6481.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0837	0.0500	26.1	25.0	4.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.8776	0.2000	23.6	25.0	-5.6	20.0
Hexachlorobutadiene	Ave	0.4129	0.4143		25.1	25.0	0.3	20.0
Naphthalene	Ave	2.162	2.011		23.3	25.0	-7.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.7831		22.4	25.0	-10.4	20.0
Dibromofluoromethane (Surr)	Ave	1.133	0.9915		23.8	27.2	-12.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7105		24.9	27.2	-8.4	20.0
Toluene-d8 (Surr)	Ave	2.204	2.196		27.1	27.2	-0.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6745		26.0	27.2	-4.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6481.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Dec-2015 21:26:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049505-003
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 10:17:59 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 22-Dec-2015 21:46:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	117012	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.397	8.397	0.000	87	236693	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.788	10.788	0.000	71	219584	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	54	126100	27.2	23.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.118	5.118	0.000	0	90366	27.2	24.9	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	93	565083	27.2	27.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	173526	27.2	26.0	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	86	141524	25.0	23.5	
12 Chloromethane	50	1.407	1.407	0.000	89	224160	25.0	19.4	
13 Vinyl chloride	62	1.511	1.511	0.000	83	129601	25.0	20.8	
151 Butadiene	54	1.541	1.541	0.000	89	164340	25.0	21.8	
14 Bromomethane	94	1.821	1.821	0.000	88	57766	25.0	30.4	
15 Chloroethane	64	1.924	1.924	0.000	91	67093	25.0	25.7	
16 Dichlorofluoromethane	67	2.137	2.137	0.000	80	162221	25.0	24.5	
17 Trichlorofluoromethane	101	2.149	2.149	0.000	76	157785	25.0	28.2	
18 Ethyl ether	59	2.423	2.423	0.000	96	153920	25.0	22.8	
20 Acrolein	56	2.581	2.581	0.000	91	147383	125.0	112.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.660	2.660	0.000	46	114452	25.0	24.6	
22 1,1-Dichloroethene	96	2.667	2.667	0.000	80	125405	25.0	23.8	
23 Acetone	43	2.740	2.740	0.000	100	296120	125.0	136.0	
25 Iodomethane	142	2.819	2.819	0.000	96	141616	25.0	24.0	
26 Carbon disulfide	76	2.855	2.855	0.000	99	339369	25.0	22.5	
28 3-Chloro-1-propene	41	3.001	3.001	0.000	85	268257	25.0	24.6	
27 Methyl acetate	43	3.044	3.044	0.000	97	699629	125.0	124.6	
30 Methylene Chloride	84	3.171	3.171	0.000	86	123979	25.0	22.7	
31 2-Methyl-2-propanol	59	3.299	3.299	0.000	96	153283	250.0	264.1	
32 Methyl tert-butyl ether	73	3.372	3.372	0.000	92	346263	25.0	22.7	
34 trans-1,2-Dichloroethene	96	3.378	3.378	0.000	79	126945	25.0	23.4	
33 Acrylonitrile	53	3.409	3.409	0.000	97	745191	250.0	247.3	
35 Hexane	57	3.597	3.597	0.000	94	321266	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.792	3.792	0.000	85	274771	25.0	23.3	
37 Vinyl acetate	43	3.847	3.847	0.000	97	692936	50.0	47.2	
44 2,2-Dichloropropane	77	4.321	4.321	0.000	89	119561	25.0	28.5	
45 cis-1,2-Dichloroethene	96	4.346	4.346	0.000	74	134863	25.0	22.7	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	90	433068	125.0	125.4	
48 Chlorobromomethane	128	4.577	4.577	0.000	83	59899	25.0	19.4	
49 Tetrahydrofuran	42	4.607	4.607	0.000	92	122343	50.0	47.1	
50 Chloroform	83	4.656	4.656	0.000	83	208314	25.0	22.9	
51 1,1,1-Trichloroethane	97	4.784	4.784	0.000	90	159437	25.0	24.4	
52 Cyclohexane	56	4.808	4.808	0.000	90	355025	25.0	25.3	
55 Carbon tetrachloride	117	4.930	4.930	0.000	62	136920	25.0	22.6	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	87	181535	25.0	24.6	
53 Isobutyl alcohol	43	5.130	5.130	0.000	57	194812	625.0	664.7	
57 Benzene	78	5.136	5.136	0.000	94	506107	25.0	24.1	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	204059	25.0	21.4	
59 n-Heptane	43	5.343	5.343	0.000	95	334597	25.0	26.4	
62 Trichloroethene	95	5.751	5.751	0.000	88	128990	25.0	23.3	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	243237	25.0	25.8	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	91	152056	25.0	23.3	
67 Dibromomethane	93	6.110	6.110	0.000	86	68849	25.0	22.8	
66 1,4-Dioxane	88	6.122	6.122	0.000	56	23841	500.0	483.6	
68 Dichlorobromomethane	83	6.262	6.262	0.000	90	131892	25.0	22.8	
69 2-Chloroethyl vinyl ether	63	6.548	6.548	0.000	87	95953	25.0	22.3	
72 cis-1,3-Dichloropropene	75	6.688	6.688	0.000	85	187062	25.0	22.8	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	866202	125.0	133.3	
74 Toluene	92	6.986	6.986	0.000	90	324471	25.0	25.3	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	93	162095	25.0	24.6	
75 Ethyl methacrylate	69	7.308	7.308	0.000	94	146953	25.0	27.5	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	89	84783	25.0	23.9	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	148281	25.0	24.0	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	96	188275	25.0	24.6	
80 2-Hexanone	43	7.667	7.667	0.000	97	617368	125.0	140.1	
83 Chlorodibromomethane	129	7.831	7.831	0.000	86	79636	25.0	20.7	
84 Ethylene Dibromide	107	7.935	7.935	0.000	96	101562	25.0	24.2	
87 Chlorobenzene	112	8.422	8.422	0.000	89	346465	25.0	23.1	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	37	101290	25.0	22.2	
88 Ethylbenzene	91	8.525	8.525	0.000	99	607609	25.0	26.1	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	240530	25.0	24.4	
91 o-Xylene	106	9.073	9.073	0.000	97	227420	25.0	23.6	
92 Styrene	104	9.097	9.097	0.000	93	378739	25.0	24.5	
95 Bromoform	173	9.328	9.328	0.000	92	39579	25.0	22.1	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	601080	25.0	28.5	
101 Bromobenzene	156	9.796	9.796	0.000	94	145988	25.0	24.5	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	80	125678	25.0	26.9	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	59	42979	25.0	26.1	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	707905	25.0	29.5	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	25	51037	25.0	23.8	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	136162	25.0	25.8	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	91	502327	25.0	27.8	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	141908	25.0	24.9	
106 tert-Butylbenzene	134	10.380	10.380	0.000	92	117367	25.0	27.4	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	68	513335	25.0	27.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.593	10.593	0.000	94	648997	25.0	28.7	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	97	284423	25.0	24.8	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	92	549160	25.0	26.2	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	91	282952	25.0	24.3	
115 n-Butylbenzene	91	11.123	11.123	0.000	94	500028	25.0	29.7	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	92	264021	25.0	23.7	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	56	18374	25.0	26.1	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	93	192715	25.0	23.6	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	90978	25.0	25.1	
121 Naphthalene	128	12.771	12.771	0.000	97	441530	25.0	23.3	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.000	93	171949	25.0	22.4	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

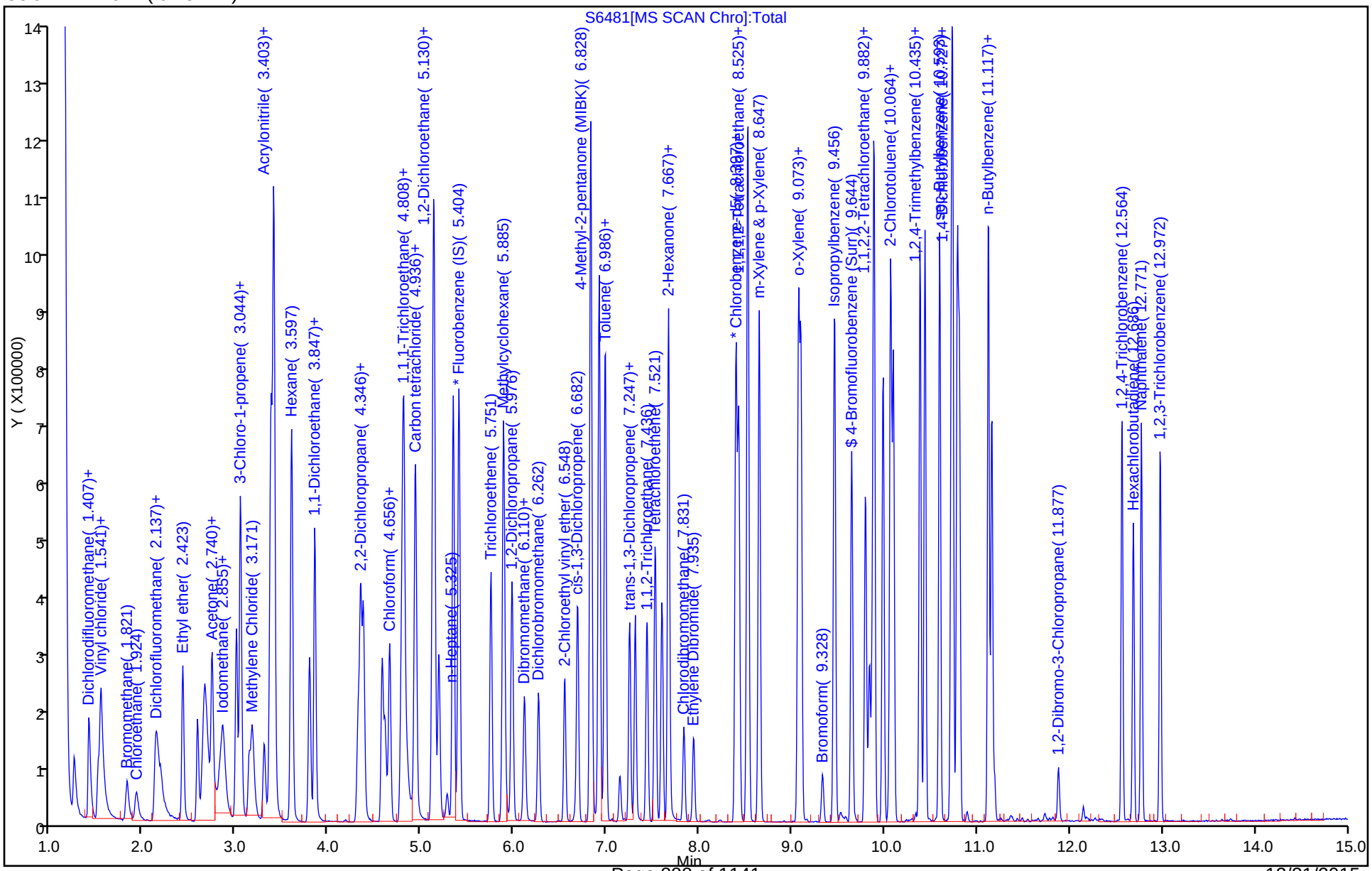
Report Date: 23-Dec-2015 10:18:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6481.D

Injection Date:	22-Dec-2015 21:26:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	02-Dec-2015 00:49:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0048850-001				
Operator ID:	NMD	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	11-Dec-2015 10:34:17	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK031				
First Level Reviewer: HillL		Date:	11-Dec-2015 10:34:16		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.189	7.189	0.000	0	179384	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

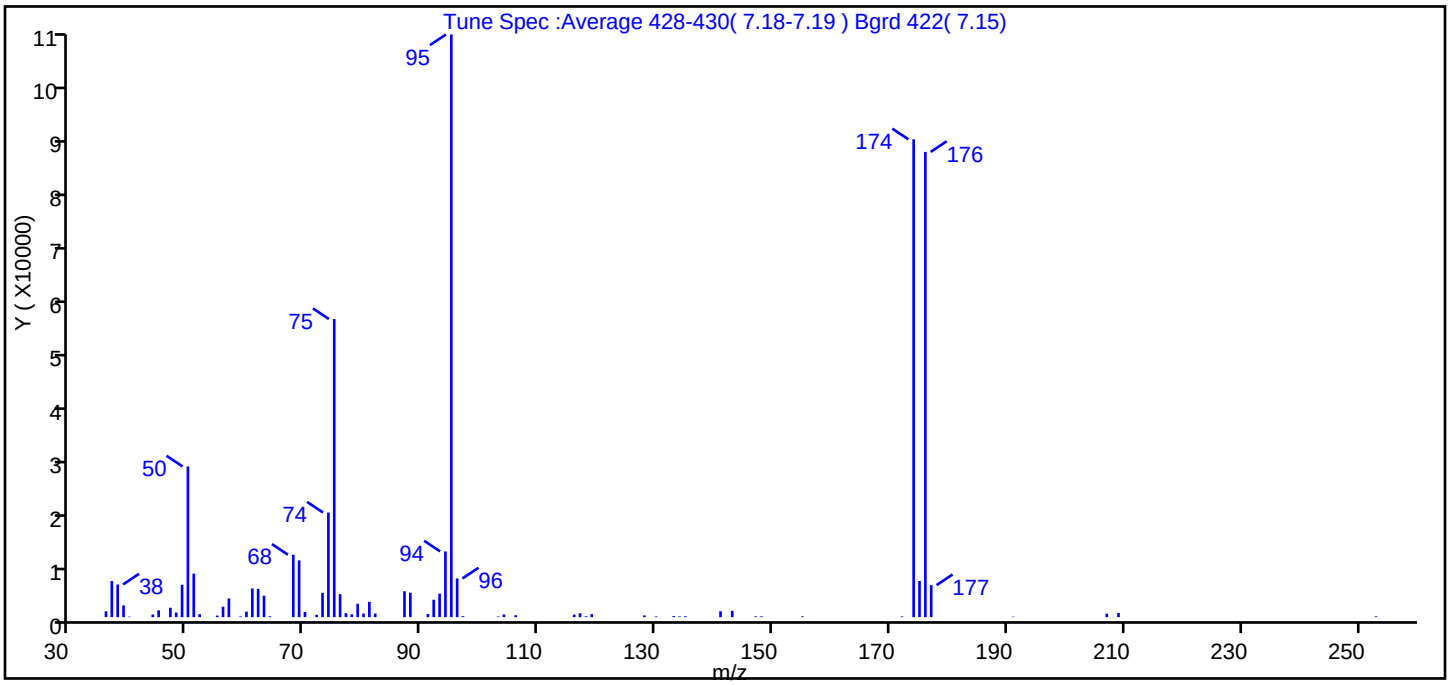
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D
Injection Date: 02-Dec-2015 00:49:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.9
75	30 to 60% of m/z 95	51.2
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.0
175	5 to 9% of m/z 174	6.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	79.8 (97.4)
177	5 to 9% of m/z 176	5.5 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D\P-8260SOIL.rslt\spectra.d
Injection Date: 02-Dec-2015 00:49:30
Spectrum: Tune Spec :Average 428-430(7.18-7.19) Bgrd 422(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1014	61.00	4933	87.00	4459	133.00	182
37.00	6211	62.00	4864	88.00	4201	134.00	124
38.00	5621	63.00	3689	91.00	546	135.00	149
39.00	2016	64.00	144	92.00	2998	141.00	1005
40.00	86	68.00	10740	93.00	4046	143.00	1091
44.00	451	69.00	9769	94.00	11311	147.00	131
45.00	1167	70.00	881	95.00	100264	148.00	137
47.00	1612	72.00	402	96.00	6659	155.00	143
48.00	795	73.00	4179	97.00	171	172.00	127
49.00	5572	74.00	18000	103.00	117	174.00	82224
50.00	25928	75.00	51296	104.00	469	175.00	6223
51.00	7486	76.00	3960	106.00	331	176.00	80056
52.00	508	77.00	685	116.00	439	177.00	5509
55.00	276	78.00	483	117.00	678	191.00	86
56.00	1784	79.00	2304	118.00	146	207.00	593
57.00	3213	80.00	613	119.00	514	209.00	705
59.00	120	81.00	2630	128.00	295	253.00	139
60.00	953	82.00	614	130.00	120		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2319.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	14-Dec-2015 09:36:30	ALS Bottle#:	1	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049193-003				
Operator ID:	CDC	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Dec-2015 09:52:03	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK022				
First Level Reviewer: cwiklinc		Date:	14-Dec-2015 09:52:03		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	205875	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

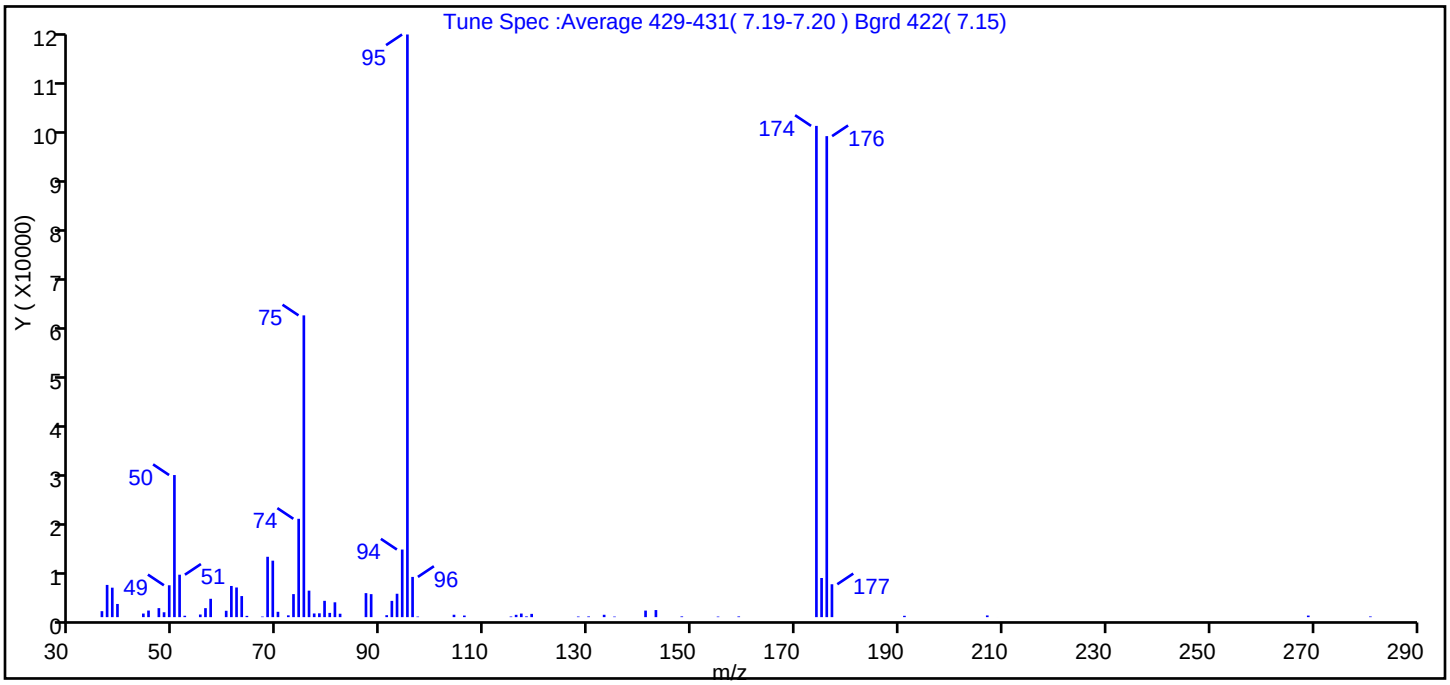
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2319.D
Injection Date: 14-Dec-2015 09:36:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.4
75	30 to 60% of m/z 95	51.8
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	84.3
175	5 to 9% of m/z 174	6.7 (8.0)
176	Greater than 95% but less than 101% of m/z 174	82.6 (97.9)
177	5 to 9% of m/z 176	5.6 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2319.D\P-8260SOIL.rslt\spectra.d
Injection Date: 14-Dec-2015 09:36:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 422(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1220	63.00	4298	88.00	4693	135.00	116
37.00	6570	64.00	261	91.00	397	141.00	1335
38.00	6009	67.00	117	92.00	3317	143.00	1445
39.00	2687	68.00	12309	93.00	4772	148.00	153
44.00	734	69.00	11517	94.00	13787	155.00	119
45.00	1343	70.00	1092	95.00	118816	159.00	147
47.00	1839	72.00	368	96.00	8204	174.00	100176
48.00	994	73.00	4697	97.00	118	175.00	7985
49.00	6499	74.00	20056	104.00	491	176.00	98088
50.00	28976	75.00	61536	106.00	327	177.00	6708
51.00	8653	76.00	5404	115.00	130	191.00	275
52.00	287	77.00	748	116.00	475	207.00	347
55.00	534	78.00	780	117.00	733	209.00	2
56.00	1835	79.00	3327	118.00	158	269.00	319
57.00	3744	80.00	867	119.00	668	281.00	141
60.00	1299	81.00	3027	128.00	127		
61.00	6358	82.00	696	130.00	145		
62.00	6047	87.00	4895	133.00	484		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2345.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	14-Dec-2015 23:14:30	ALS Bottle#:	3	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049222-002				
Operator ID:	NMD	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Dec-2015 23:39:39	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK008				
First Level Reviewer: diasn		Date:	14-Dec-2015 23:39:39		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	123913	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

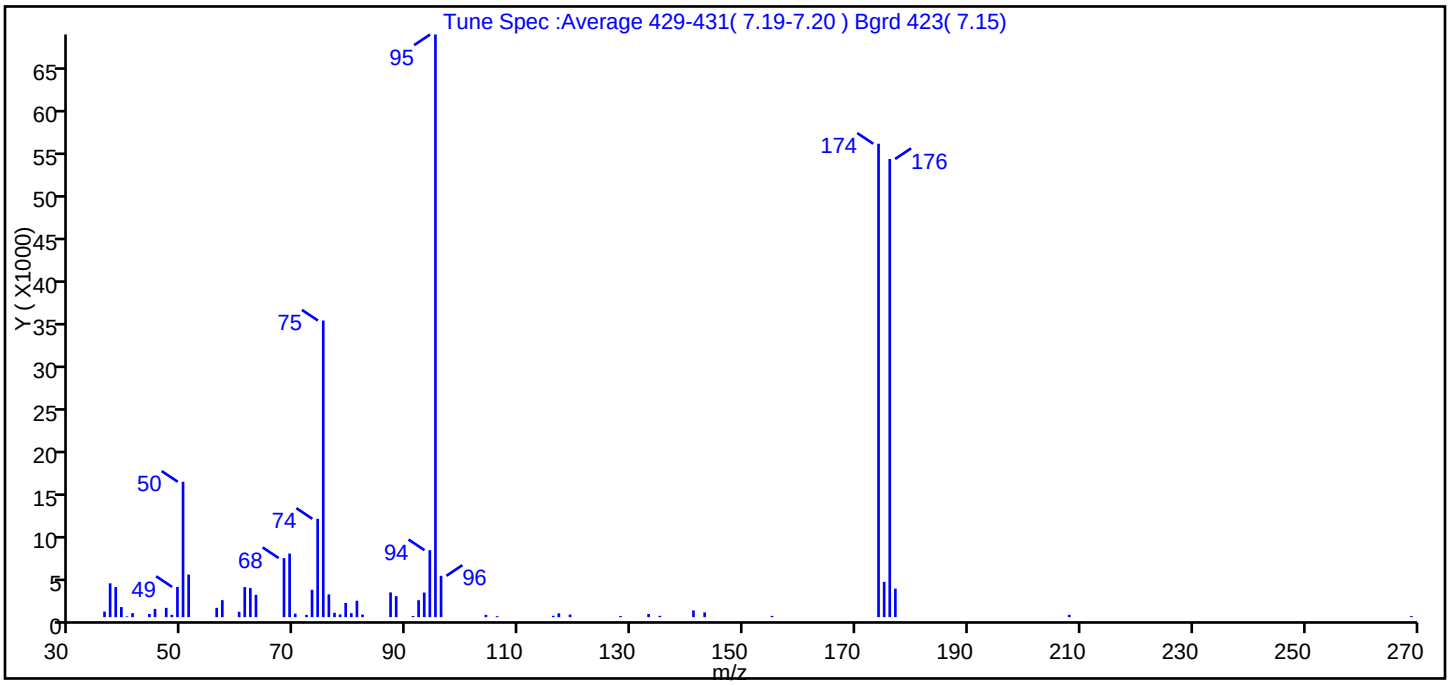
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2345.D
Injection Date: 14-Dec-2015 23:14:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.2
75	30 to 60% of m/z 95	50.9
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.3
175	5 to 9% of m/z 174	6.1 (7.5)
176	Greater than 95% but less than 101% of m/z 174	78.6 (96.8)
177	5 to 9% of m/z 176	4.9 (6.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2345.D\P-8260SOIL.rslt\spectra.d
Injection Date: 14-Dec-2015 23:14:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	654	60.00	631	80.00	471	119.00	306
37.00	3988	61.00	3539	81.00	1935	128.00	133
38.00	3545	62.00	3427	82.00	306	133.00	375
39.00	1192	63.00	2625	87.00	2917	135.00	158
40.00	90	68.00	6961	88.00	2477	141.00	790
41.00	471	69.00	7495	91.00	136	143.00	564
44.00	377	70.00	414	92.00	1998	155.00	147
45.00	970	72.00	263	93.00	2897	174.00	55816
47.00	1097	73.00	3219	94.00	7897	175.00	4162
48.00	268	74.00	11596	95.00	68696	176.00	54016
49.00	3564	75.00	34968	96.00	4870	177.00	3365
50.00	15962	76.00	2683	104.00	270	208.00	276
51.00	5017	77.00	513	106.00	117	269.00	124
56.00	1096	78.00	319	116.00	154		
57.00	2003	79.00	1675	117.00	454		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2371.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	15-Dec-2015 11:52:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049245-001				
Operator ID:	CDC	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Dec-2015 12:05:06	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK051				
First Level Reviewer: cwiklinc		Date:	15-Dec-2015 12:05:06		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.189	7.189	0.000	0	88104	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

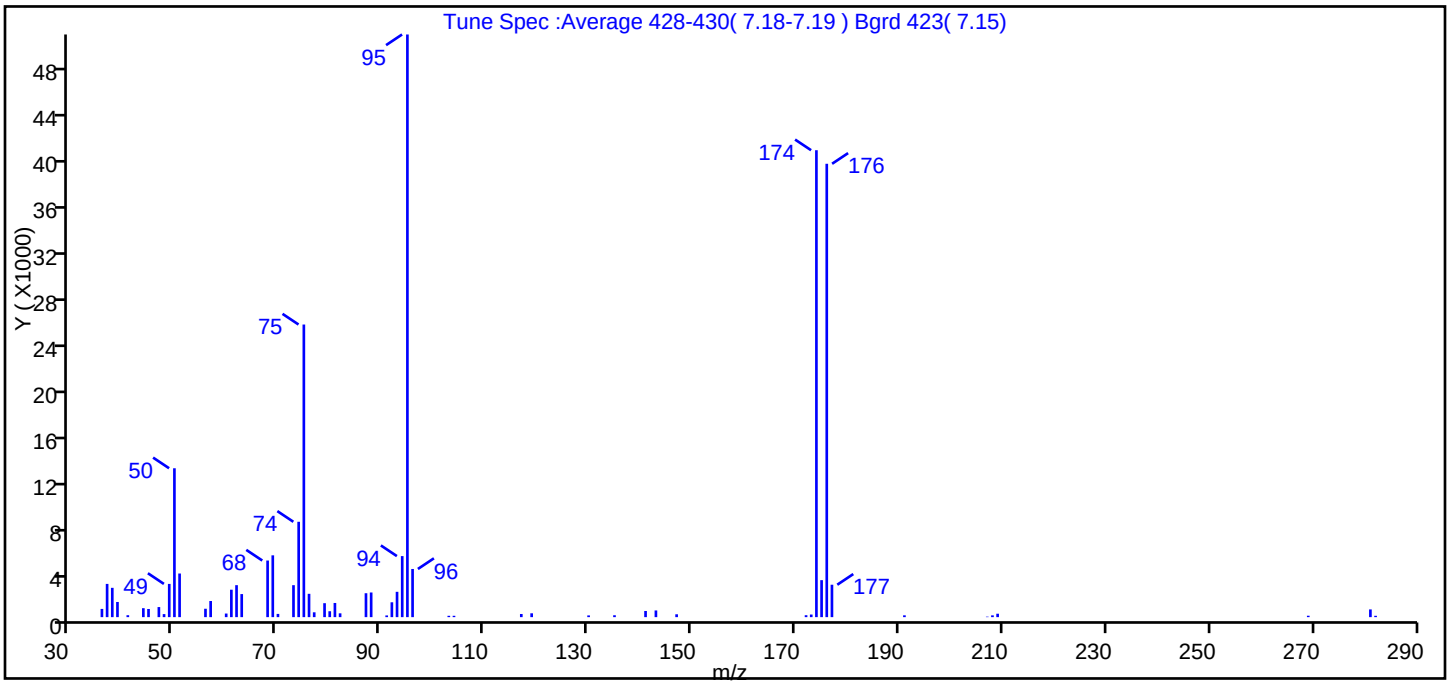
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2371.D
Injection Date: 15-Dec-2015 11:52:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.6
75	30 to 60% of m/z 95	50.2
96	5 to 9% of m/z 95	8.3
173	Less than 2% of m/z 174	0.4 (0.6)
174	50 to 120% of m/z 95	80.1
175	5 to 9% of m/z 174	6.3 (7.9)
176	Greater than 95% but less than 101% of m/z 174	77.8 (97.1)
177	5 to 9% of m/z 176	5.6 (7.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2371.D\P-8260SOIL.rslt\spectra.d
Injection Date: 15-Dec-2015 11:52:30
Spectrum: Tune Spec :Average 428-430(7.18-7.19) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	713	61.00	2380	87.00	2075	143.00	580
37.00	2883	62.00	2774	88.00	2139	147.00	249
38.00	2543	63.00	2001	91.00	148	172.00	167
39.00	1315	68.00	4911	92.00	1289	173.00	226
41.00	168	69.00	5362	93.00	2197	174.00	40504
44.00	777	70.00	281	94.00	5295	175.00	3209
45.00	707	73.00	2773	95.00	50544	176.00	39328
47.00	874	74.00	8272	96.00	4178	177.00	2812
48.00	265	75.00	25384	103.00	117	191.00	158
49.00	2883	76.00	2024	104.00	117	207.00	42
50.00	12915	77.00	420	117.00	273	208.00	155
51.00	3785	79.00	1210	119.00	334	209.00	297
56.00	728	80.00	513	130.00	150	269.00	123
57.00	1399	81.00	1229	135.00	165	281.00	670
60.00	313	82.00	331	141.00	534	282.00	117

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2399.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Dec-2015 09:03:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049276-002				
Operator ID:	CDC	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	16-Dec-2015 09:16:50	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				
First Level Reviewer: cwiklinc		Date:	16-Dec-2015 09:16:50		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	56093	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

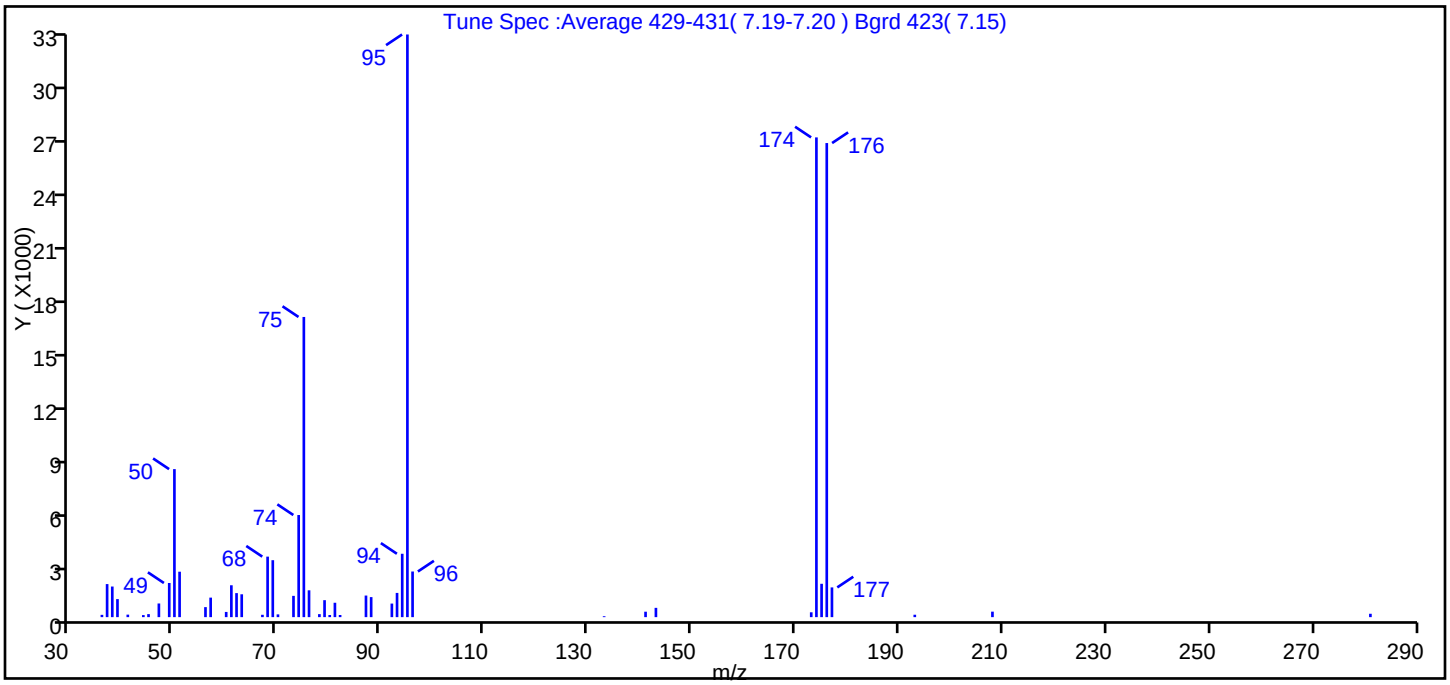
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2399.D
Injection Date: 16-Dec-2015 09:03:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.4
75	30 to 60% of m/z 95	51.5
96	5 to 9% of m/z 95	7.8
173	Less than 2% of m/z 174	0.8 (1.0)
174	50 to 120% of m/z 95	82.3
175	5 to 9% of m/z 174	5.7 (7.0)
176	Greater than 95% but less than 101% of m/z 174	81.4 (98.8)
177	5 to 9% of m/z 176	5.1 (6.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2399.D\P-8260SOIL.rslt\spectra.d
Injection Date: 16-Dec-2015 09:03:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	127	57.00	1076	76.00	1479	96.00	2515
37.00	1822	60.00	287	78.00	166	133.00	49
38.00	1687	61.00	1757	79.00	935	141.00	300
39.00	994	62.00	1324	80.00	117	143.00	512
41.00	138	63.00	1260	81.00	793	173.00	267
44.00	113	67.00	130	82.00	118	174.00	26440
45.00	167	68.00	3335	87.00	1190	175.00	1838
47.00	753	69.00	3139	88.00	1104	176.00	26128
49.00	1882	70.00	152	92.00	748	177.00	1639
50.00	8158	73.00	1173	93.00	1335	193.00	133
51.00	2504	74.00	5628	94.00	3493	208.00	303
56.00	552	75.00	16544	95.00	32112	281.00	186

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2421.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Dec-2015 20:17:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049318-002				
Operator ID:	NMD	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	16-Dec-2015 20:28:05	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK017				
First Level Reviewer: diasn		Date:	16-Dec-2015 20:28:05		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	102430	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

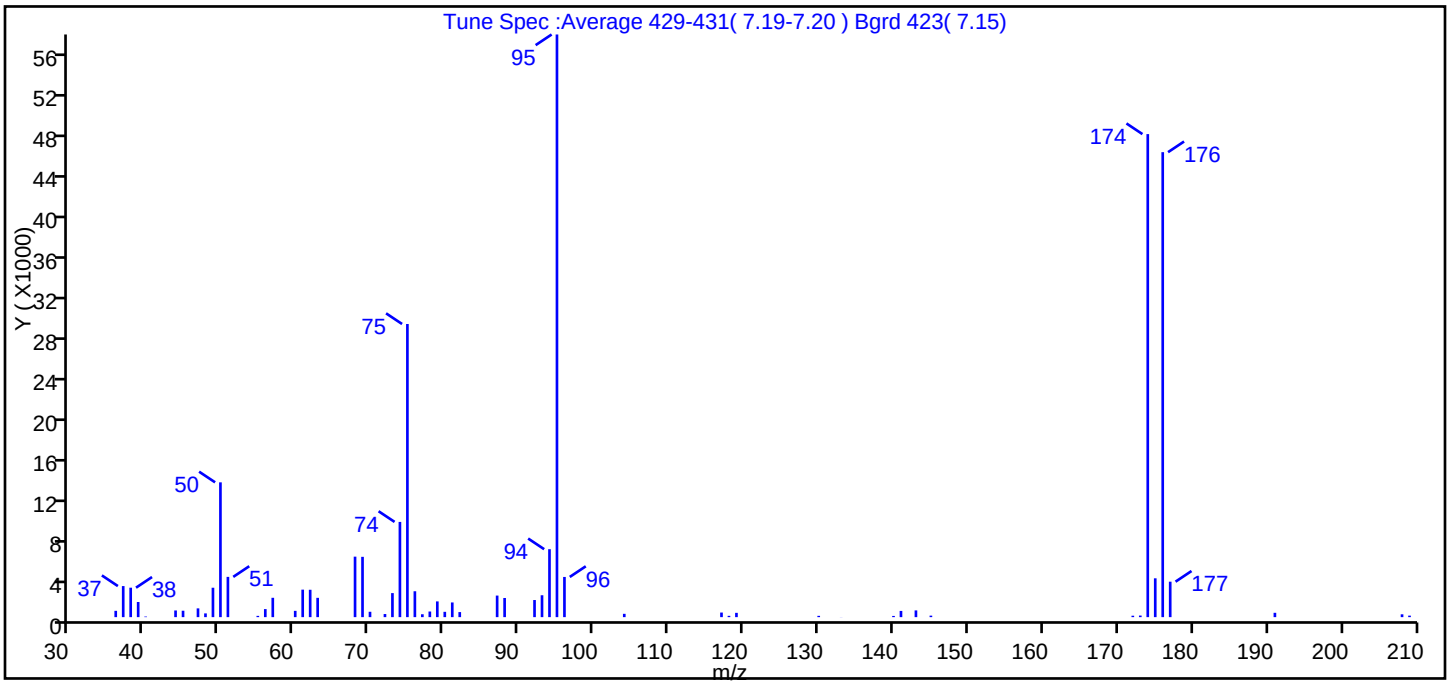
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2421.D
Injection Date: 16-Dec-2015 20:17:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.1
75	30 to 60% of m/z 95	50.3
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	82.9
175	5 to 9% of m/z 174	6.7 (8.0)
176	Greater than 95% but less than 101% of m/z 174	79.8 (96.3)
177	5 to 9% of m/z 176	6.1 (7.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2421.D\P-8260SOIL.rslt\spectra.d
Injection Date: 16-Dec-2015 20:17:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	626	60.00	624	80.00	528	133.00	9
37.00	3081	61.00	2727	81.00	1457	140.00	119
38.00	2921	62.00	2715	82.00	502	141.00	617
39.00	1502	63.00	1914	87.00	2139	143.00	668
40.00	58	68.00	5999	88.00	1900	145.00	149
44.00	662	69.00	5981	92.00	1697	172.00	141
45.00	637	70.00	533	93.00	2171	173.00	157
47.00	870	72.00	309	94.00	6738	174.00	47904
48.00	372	73.00	2384	95.00	57784	175.00	3851
49.00	2917	74.00	9444	96.00	3986	176.00	46112
50.00	13369	75.00	29072	104.00	329	177.00	3517
51.00	3993	76.00	2568	117.00	456	191.00	430
55.00	127	77.00	287	118.00	130	208.00	282
56.00	798	78.00	558	119.00	426	209.00	150
57.00	1919	79.00	1561	130.00	129		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7632.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	15-Dec-2015 22:50:30	ALS Bottle#:	4	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049261-003				
Operator ID:	NMD	Instrument ID:	HP5973Q		
Method:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	16-Dec-2015 18:31:41	Calib Date:	16-Dec-2015 05:51:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK004				
First Level Reviewer: diasn		Date:	15-Dec-2015 23:11:24		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.216	4.216	0.000	0	68089	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

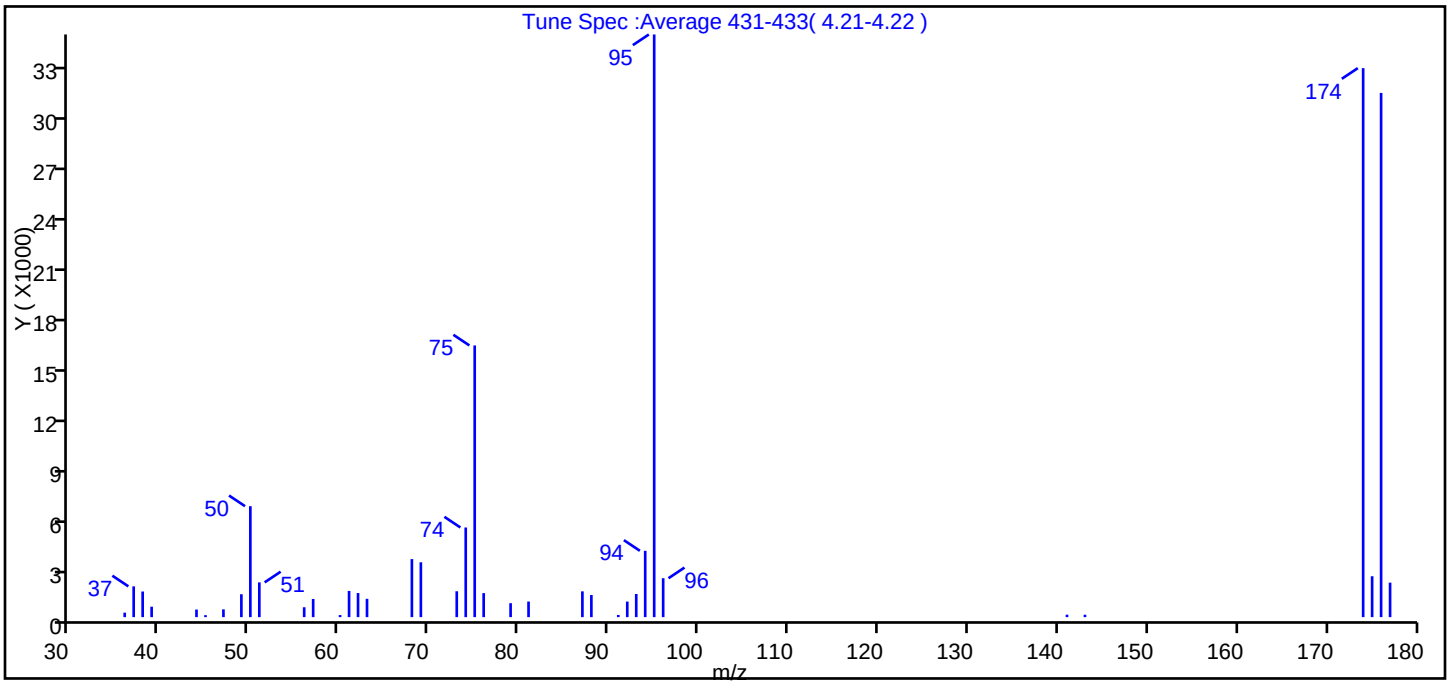
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7632.D
Injection Date: 15-Dec-2015 22:50:30 Instrument ID: HP5973Q
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.0
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	94.2
175	5 to 9% of m/z 174	7.0 (7.5)
176	Greater than 95% but less than 101% of m/z 174	90.0 (95.5)
177	5 to 9% of m/z 176	5.9 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7632.D\Q-8260.rslt\spectra.d
Injection Date: 15-Dec-2015 22:50:30
Spectrum: Tune Spec :Average 431-433(4.21-4.22)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	267	56.00	588	75.00	16142	95.00	34616
37.00	1829	57.00	1080	76.00	1427	96.00	2312
38.00	1524	60.00	123	79.00	830	141.00	146
39.00	620	61.00	1557	81.00	927	143.00	143
44.00	452	62.00	1432	87.00	1532	174.00	32616
45.00	118	63.00	1089	88.00	1315	175.00	2431
47.00	463	68.00	3448	91.00	129	176.00	31144
49.00	1362	69.00	3259	92.00	924	177.00	2050
50.00	6592	73.00	1538	93.00	1374		
51.00	2066	74.00	5326	94.00	3941		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7760.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Dec-2015 23:10:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049402-002				
Operator ID:	GF	Instrument ID:	HP5973Q		
Method:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	18-Dec-2015 23:28:01	Calib Date:	16-Dec-2015 05:51:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK003				
First Level Reviewer: fortaing		Date:	18-Dec-2015 23:28:01		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.250	4.250	0.000	0	58466	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

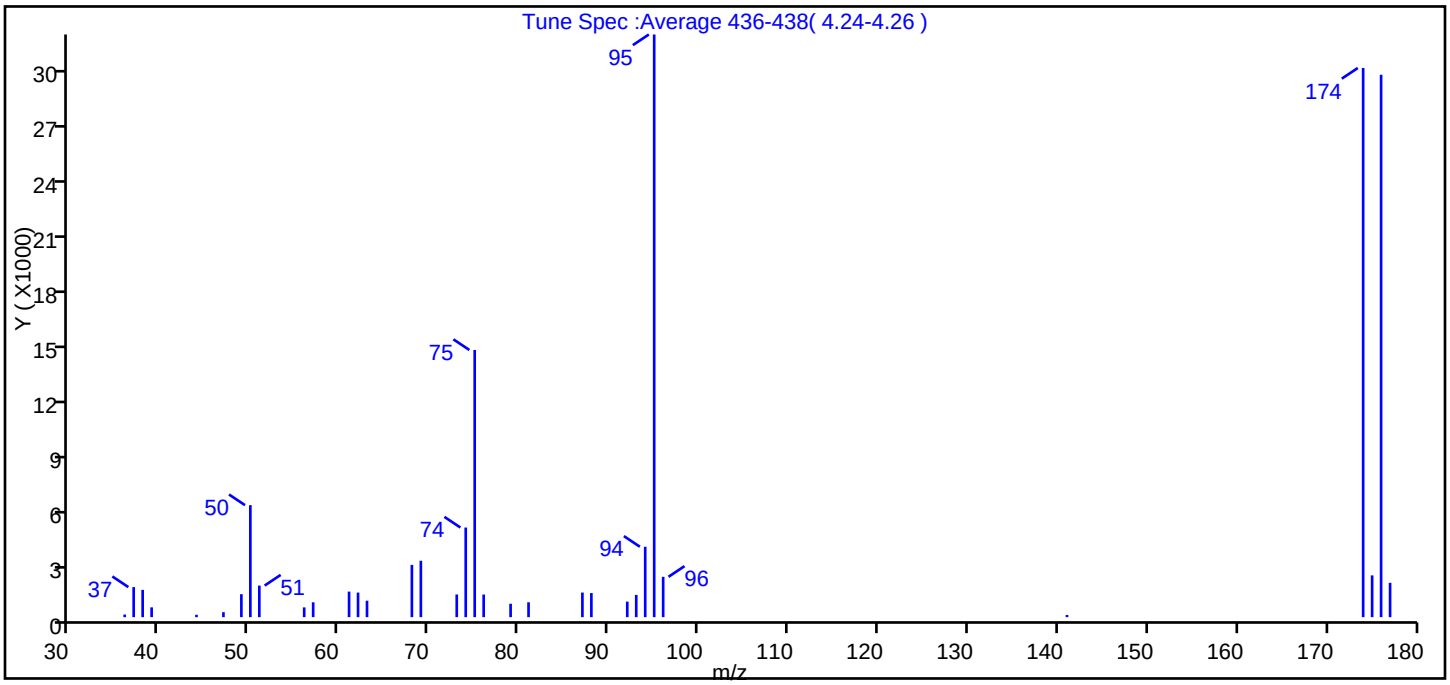
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7760.D
Injection Date: 18-Dec-2015 23:10:30 Instrument ID: HP5973Q
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: Q-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.2
75	30 to 60% of m/z 95	45.9
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	94.2
175	5 to 9% of m/z 174	7.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	93.1 (98.8)
177	5 to 9% of m/z 176	5.9 (6.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7760.D\Q-8260.rslt\spectra.d
Injection Date: 18-Dec-2015 23:10:30
Spectrum: Tune Spec :Average 436-438(4.24-4.26)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	142	56.00	531	75.00	14540	95.00	31712
37.00	1635	57.00	808	76.00	1231	96.00	2195
38.00	1483	61.00	1391	79.00	728	141.00	117
39.00	533	62.00	1337	81.00	809	174.00	29888
44.00	128	63.00	895	87.00	1339	175.00	2273
47.00	270	68.00	2843	88.00	1311	176.00	29520
49.00	1250	69.00	3069	92.00	845	177.00	1868
50.00	6095	73.00	1233	93.00	1209		
51.00	1718	74.00	4877	94.00	3831		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-Dec-2015 13:03:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049002-003
Operator ID: LH Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 19:46:17 Calib Date: 07-Dec-2015 19:11:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5808.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 13:34:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.923	3.923	0.000	0	179086	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

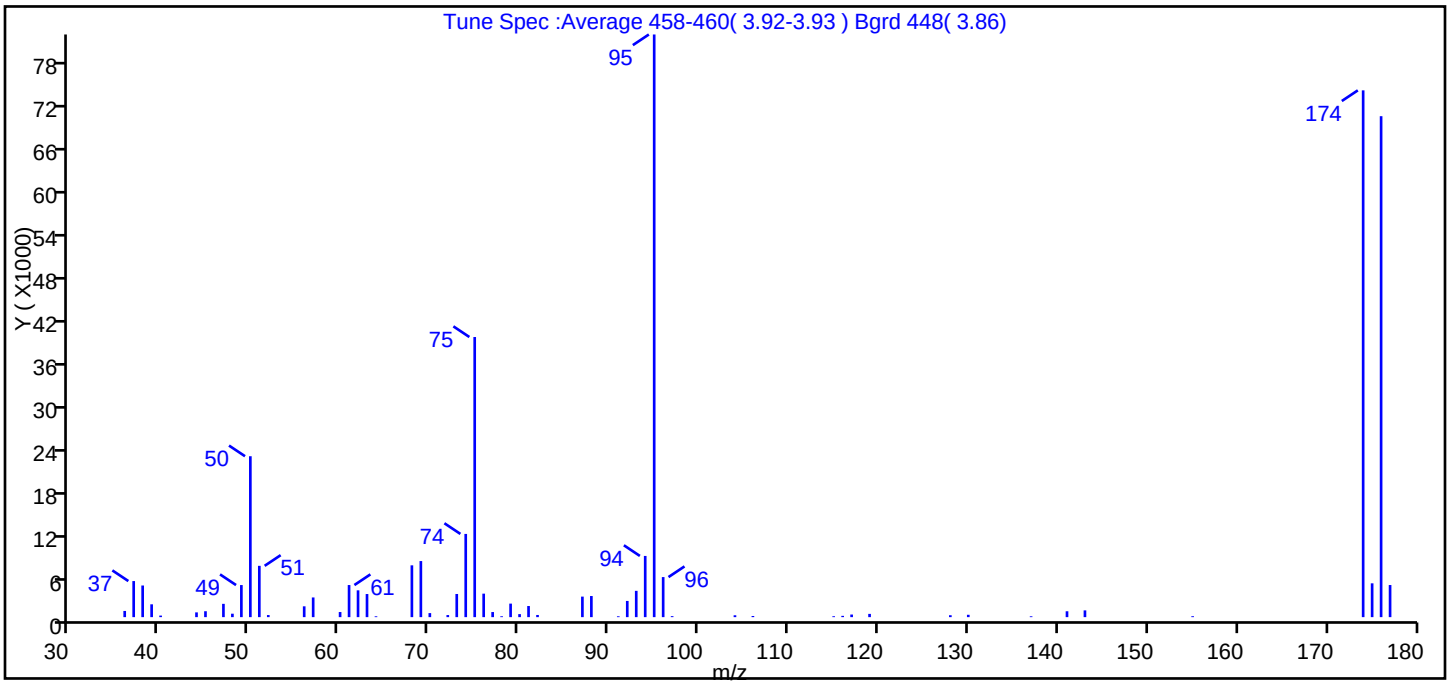
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D
Injection Date: 07-Dec-2015 13:03:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.6
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	5.8 (6.4)
176	Greater than 95% but less than 101% of m/z 174	86.0 (95.1)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D\S-8260.rslt\spectra.d
Injection Date: 07-Dec-2015 13:03:30
Spectrum: Tune Spec :Average 458-460(3.92-3.93) Bgrd 448(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	870	60.00	719	79.00	1902	115.00	126
37.00	5072	61.00	4513	80.00	427	116.00	181
38.00	4449	62.00	3770	81.00	1564	117.00	368
39.00	1805	63.00	3250	82.00	305	119.00	458
40.00	220	64.00	119	87.00	2887	128.00	268
44.00	670	68.00	7284	88.00	2969	130.00	332
45.00	831	69.00	7884	91.00	119	137.00	117
47.00	1871	70.00	568	92.00	2277	141.00	828
48.00	485	72.00	294	93.00	3697	143.00	951
49.00	4511	73.00	3256	94.00	8605	155.00	129
50.00	22624	74.00	11700	95.00	81920	174.00	74064
51.00	7214	75.00	39384	96.00	5633	175.00	4754
52.00	294	76.00	3304	97.00	138	176.00	70432
56.00	1522	77.00	717	104.00	263	177.00	4516
57.00	2768	78.00	121	106.00	159		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6159.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Dec-2015 21:01:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0049315-002				
Operator ID:	GF	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	16-Dec-2015 21:25:32	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK002				
First Level Reviewer: fortaing		Date:	16-Dec-2015 21:25:32		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.903	3.903	0.000	0	148197	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

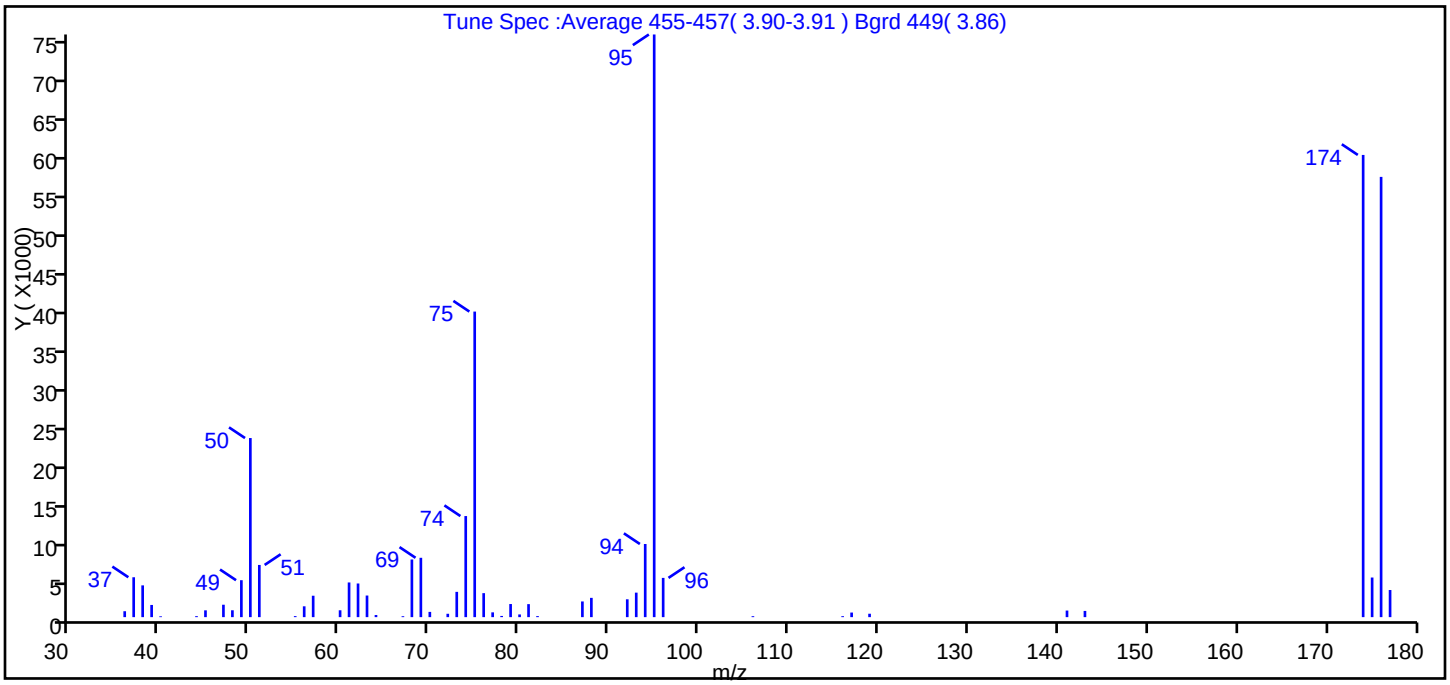
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6159.D
Injection Date: 16-Dec-2015 21:01:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.7
75	30 to 60% of m/z 95	52.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.3
175	5 to 9% of m/z 174	6.8 (8.6)
176	Greater than 95% but less than 101% of m/z 174	75.6 (95.2)
177	5 to 9% of m/z 176	4.7 (6.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6159.D\S-8260.rslt\spectra.d
Injection Date: 16-Dec-2015 21:01:30
Spectrum: Tune Spec :Average 455-457(3.90-3.91) Bgrd 449(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	772	56.00	1413	74.00	13186	94.00	9540
37.00	5203	57.00	2793	75.00	39856	95.00	76000
38.00	4144	60.00	896	76.00	3129	96.00	5120
39.00	1590	61.00	4524	77.00	625	106.00	121
40.00	105	62.00	4389	78.00	157	116.00	125
44.00	129	63.00	2819	79.00	1710	117.00	600
45.00	888	64.00	276	80.00	354	119.00	445
47.00	1620	67.00	119	81.00	1697	141.00	859
48.00	897	68.00	7520	82.00	135	143.00	810
49.00	4819	69.00	7742	87.00	2047	174.00	60288
50.00	23360	70.00	685	88.00	2516	175.00	5168
51.00	6808	72.00	440	92.00	2329	176.00	57424
55.00	134	73.00	3298	93.00	3196	177.00	3539

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6302.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Dec-2015 21:47:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049403-001				
Operator ID:	GF	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	18-Dec-2015 22:00:51	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK048				
First Level Reviewer: fortaing		Date:	18-Dec-2015 22:00:51		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.903	3.903	0.000	0	120828	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

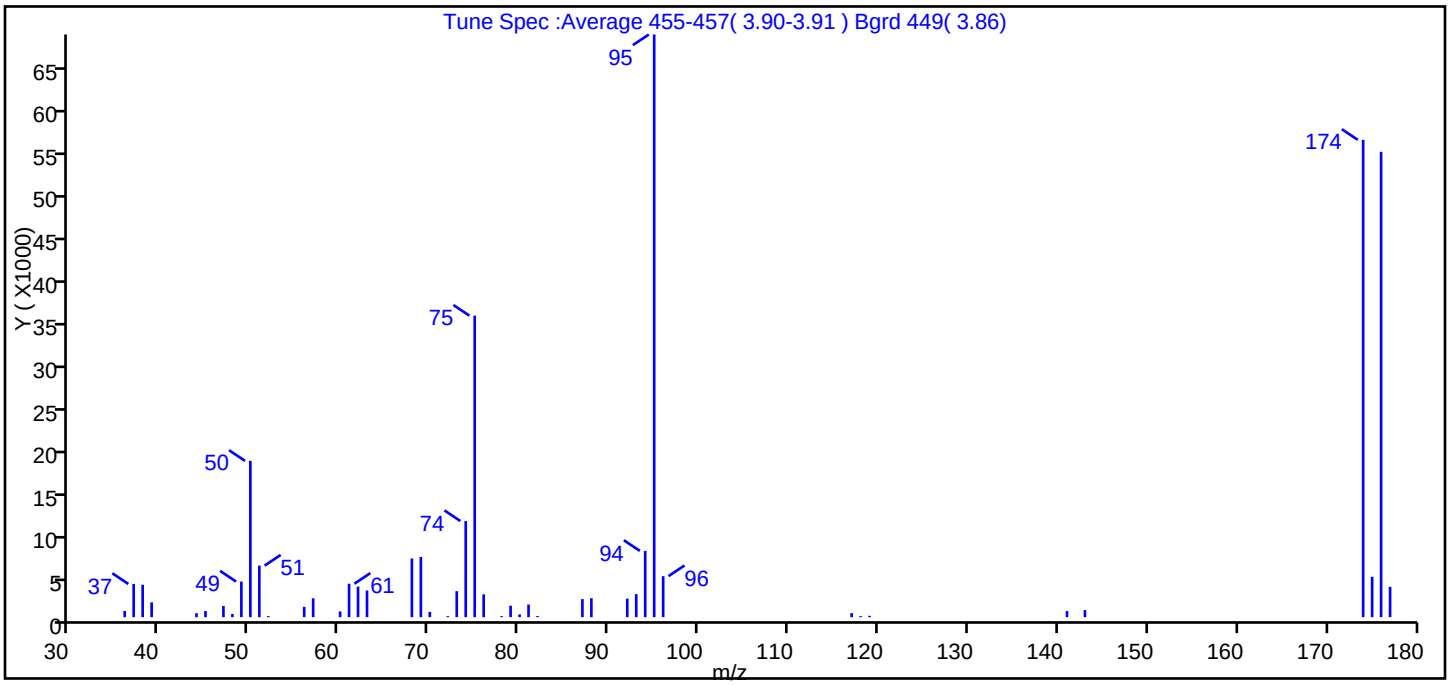
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6302.D
Injection Date: 18-Dec-2015 21:47:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	26.8
75	30 to 60% of m/z 95	51.7
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.9
175	5 to 9% of m/z 174	6.9 (8.5)
176	Greater than 95% but less than 101% of m/z 174	79.9 (97.5)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6302.D\S-8260.rslt\spectra.d
Injection Date: 18-Dec-2015 21:47:30
Spectrum: Tune Spec :Average 455-457(3.90-3.91) Bgrd 449(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	733	56.00	1217	75.00	35592	95.00	68784
37.00	3916	57.00	2223	76.00	2687	96.00	4838
38.00	3825	60.00	675	78.00	121	117.00	473
39.00	1746	61.00	3945	79.00	1347	118.00	117
44.00	466	62.00	3600	80.00	318	119.00	156
45.00	721	63.00	3145	81.00	1487	141.00	716
47.00	1313	68.00	6926	82.00	130	143.00	835
48.00	374	69.00	7104	87.00	2130	174.00	56344
49.00	4202	70.00	622	88.00	2233	175.00	4762
50.00	18448	72.00	119	92.00	2184	176.00	54928
51.00	6085	73.00	3067	93.00	2713	177.00	3581
52.00	128	74.00	11345	94.00	7820		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6359.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Dec-2015 11:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049418-002
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:16:22 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.903	3.903	0.000	0	141096	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

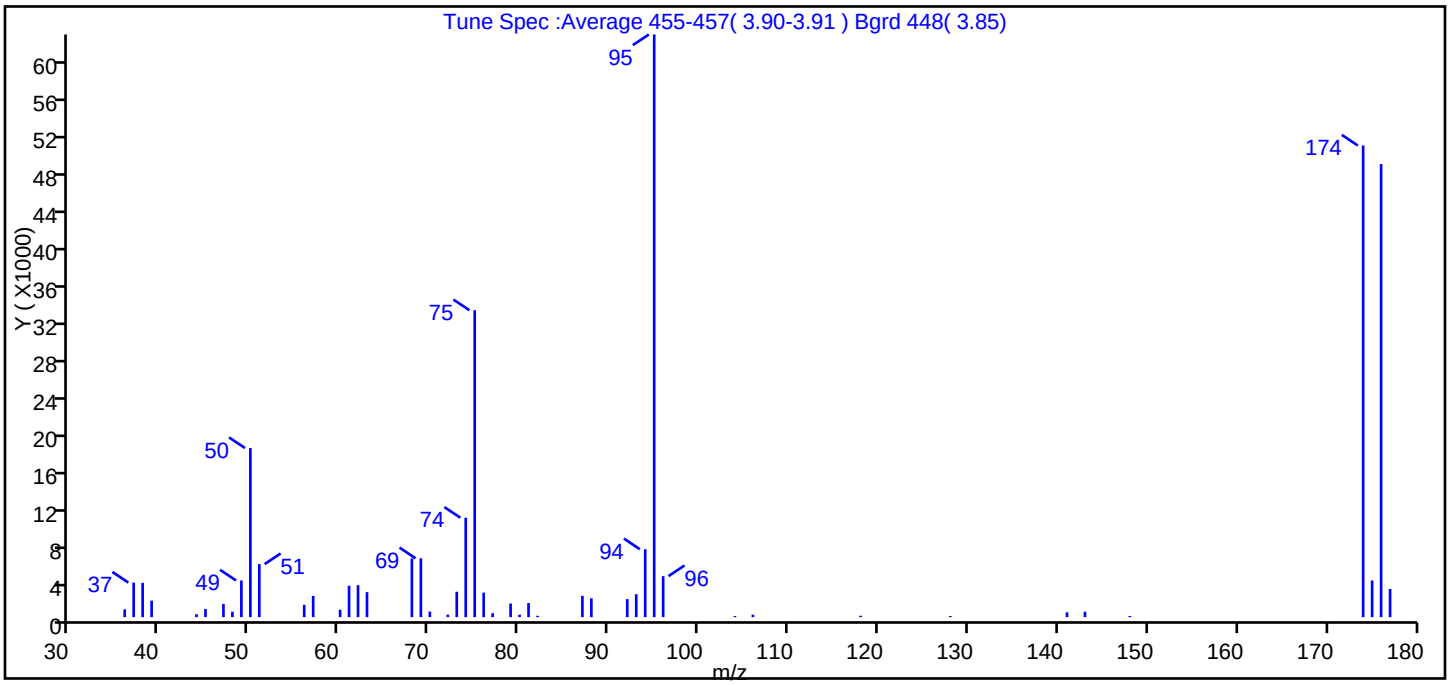
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6359.D
Injection Date: 20-Dec-2015 11:52:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	29.0
75	30 to 60% of m/z 95	52.7
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.9
175	5 to 9% of m/z 174	6.3 (7.8)
176	Greater than 95% but less than 101% of m/z 174	77.7 (96.1)
177	5 to 9% of m/z 176	4.8 (6.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6359.D\S-8260.rslt\spectra.d
Injection Date: 20-Dec-2015 11:52:30
Spectrum: Tune Spec :Average 455-457(3.90-3.91) Bgrd 448(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	830	57.00	2269	76.00	2618	96.00	4377
37.00	3688	60.00	794	77.00	417	104.00	119
38.00	3661	61.00	3348	79.00	1456	106.00	267
39.00	1760	62.00	3413	80.00	264	118.00	148
44.00	313	63.00	2673	81.00	1510	128.00	121
45.00	867	68.00	6272	82.00	146	141.00	512
47.00	1417	69.00	6282	87.00	2270	143.00	581
48.00	583	70.00	594	88.00	2014	148.00	123
49.00	3915	72.00	265	92.00	1925	174.00	50344
50.00	18048	73.00	2710	93.00	2445	175.00	3917
51.00	5661	74.00	10608	94.00	7250	176.00	48360
56.00	1312	75.00	32768	95.00	62200	177.00	3003

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6390.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Dec-2015 09:57:30	ALS Bottle#:	33	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049435-002				
Operator ID:	gtg	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	21-Dec-2015 10:14:13	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK004				
First Level Reviewer: goliszekg		Date:	21-Dec-2015 10:14:13		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.927	3.927	0.000	0	154876	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

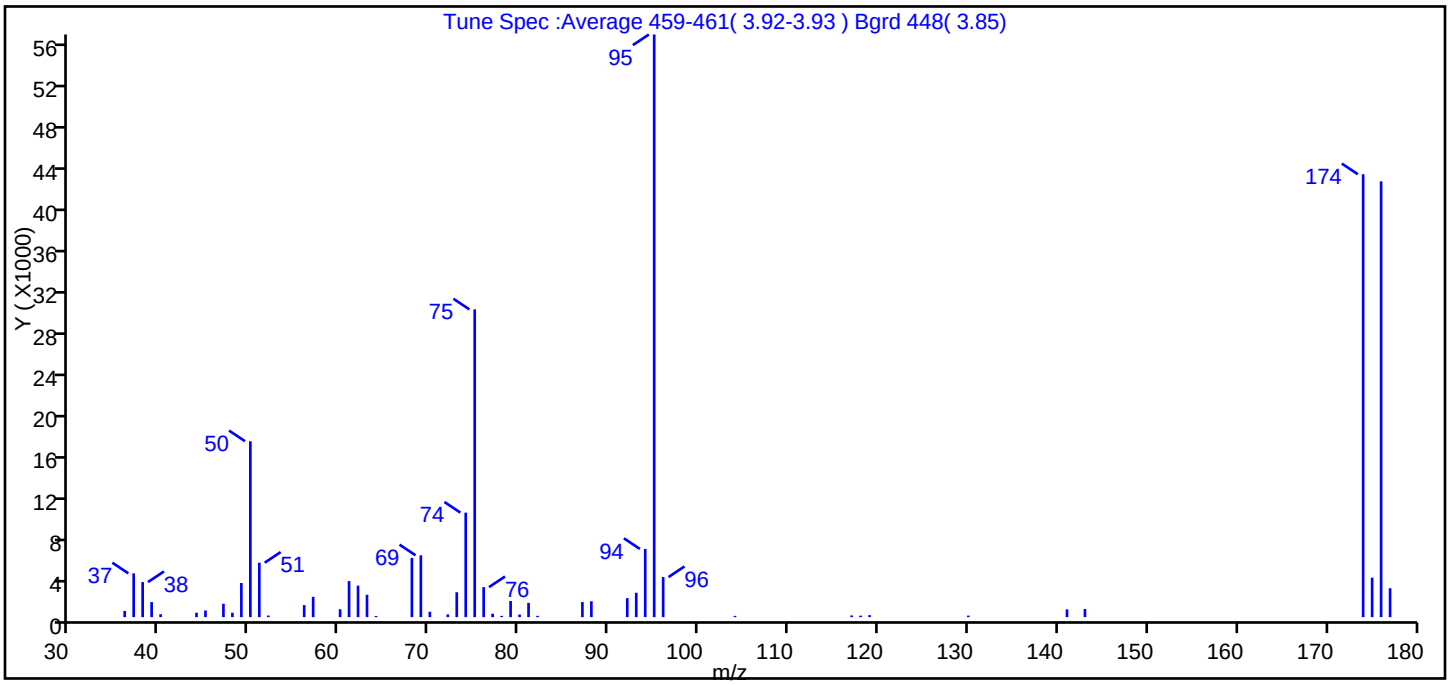
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6390.D
Injection Date: 21-Dec-2015 09:57:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 33 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.2
75	30 to 60% of m/z 95	52.8
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.0
175	5 to 9% of m/z 174	6.8 (8.9)
176	Greater than 95% but less than 101% of m/z 174	74.8 (98.4)
177	5 to 9% of m/z 176	5.0 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49435.b\S6390.D\S-8260.rslt\spectra.d
Injection Date: 21-Dec-2015 09:57:30
Spectrum: Tune Spec :Average 459-461(3.92-3.93) Bgrd 448(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	608	56.00	1176	75.00	30088	95.00	56968
37.00	4282	57.00	1983	76.00	2933	96.00	3917
38.00	3429	60.00	773	77.00	337	104.00	124
39.00	1476	61.00	3525	78.00	126	117.00	165
40.00	284	62.00	3081	79.00	1576	118.00	147
44.00	431	63.00	2183	80.00	252	119.00	194
45.00	651	64.00	119	81.00	1395	130.00	149
47.00	1308	68.00	5784	82.00	127	141.00	756
48.00	431	69.00	6046	87.00	1475	143.00	800
49.00	3338	70.00	525	88.00	1553	174.00	43304
50.00	17200	72.00	265	92.00	1860	175.00	3861
51.00	5320	73.00	2434	93.00	2383	176.00	42608
52.00	159	74.00	10217	94.00	6667	177.00	2828

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Dec-2015 10:30:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049479-002				
Operator ID:	gtg	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	22-Dec-2015 10:41:34	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK004				
First Level Reviewer: goliszekg		Date:	22-Dec-2015 10:41:34		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.940	3.940	0.000	0	208417	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

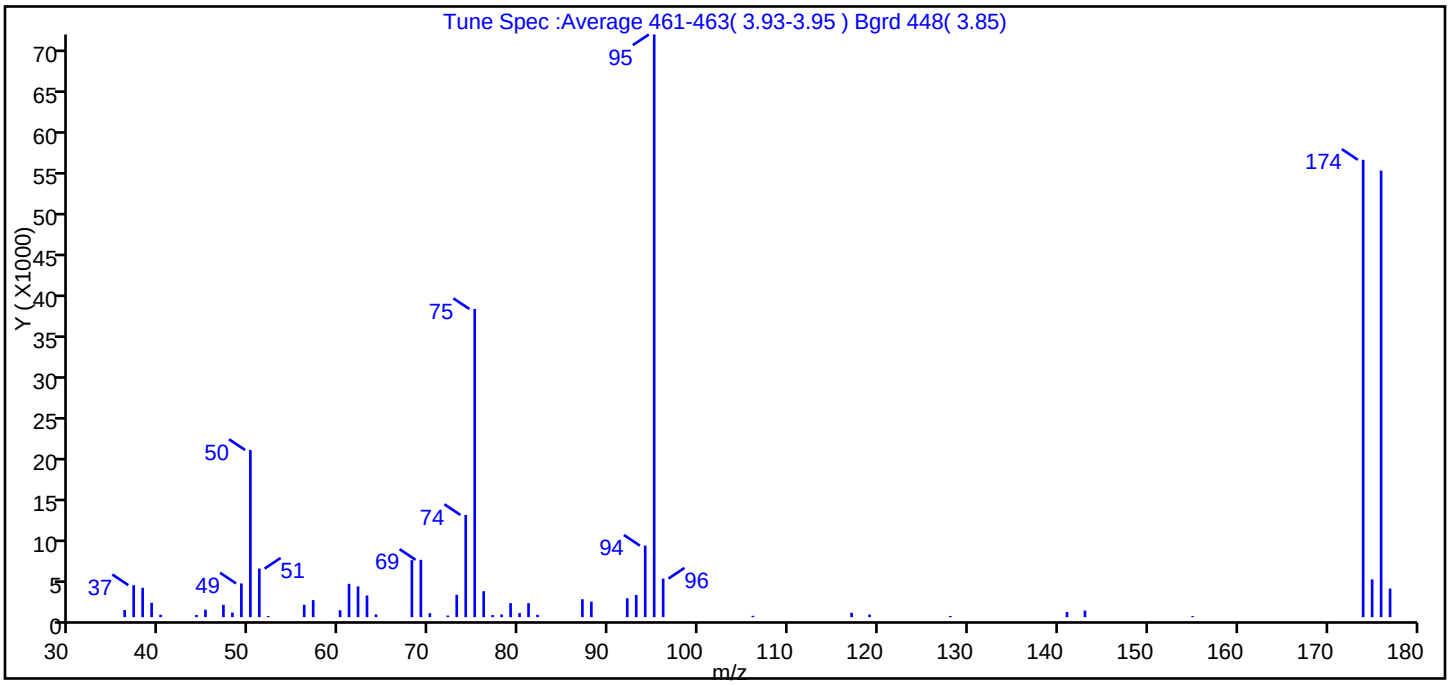
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D
Injection Date: 22-Dec-2015 10:30:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.7
75	30 to 60% of m/z 95	52.9
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.5
175	5 to 9% of m/z 174	6.5 (8.3)
176	Greater than 95% but less than 101% of m/z 174	76.6 (97.6)
177	5 to 9% of m/z 176	4.9 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D\S-8260.rslt\spectra.d
Injection Date: 22-Dec-2015 10:30:30
Spectrum: Tune Spec :Average 461-463(3.93-3.95) Bgrd 448(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	867	56.00	1503	75.00	37552	95.00	71008
37.00	3898	57.00	2078	76.00	3165	96.00	4700
38.00	3571	60.00	839	77.00	252	106.00	165
39.00	1751	61.00	4058	78.00	322	117.00	532
40.00	299	62.00	3745	79.00	1711	119.00	309
44.00	262	63.00	2640	80.00	500	128.00	141
45.00	910	64.00	334	81.00	1704	141.00	625
47.00	1501	68.00	6951	82.00	286	143.00	805
48.00	550	69.00	6989	87.00	2180	155.00	130
49.00	4110	70.00	475	88.00	1887	174.00	55736
50.00	20376	72.00	194	92.00	2303	175.00	4603
51.00	5916	73.00	2722	93.00	2692	176.00	54424
52.00	133	74.00	12453	94.00	8714	177.00	3484

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6480.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Dec-2015 20:55:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049505-002				
Operator ID:	GF	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	23-Dec-2015 10:16:00	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK010				
First Level Reviewer: fortaing		Date:	22-Dec-2015 21:13:46		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.891	3.891	0.000	0	146525	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

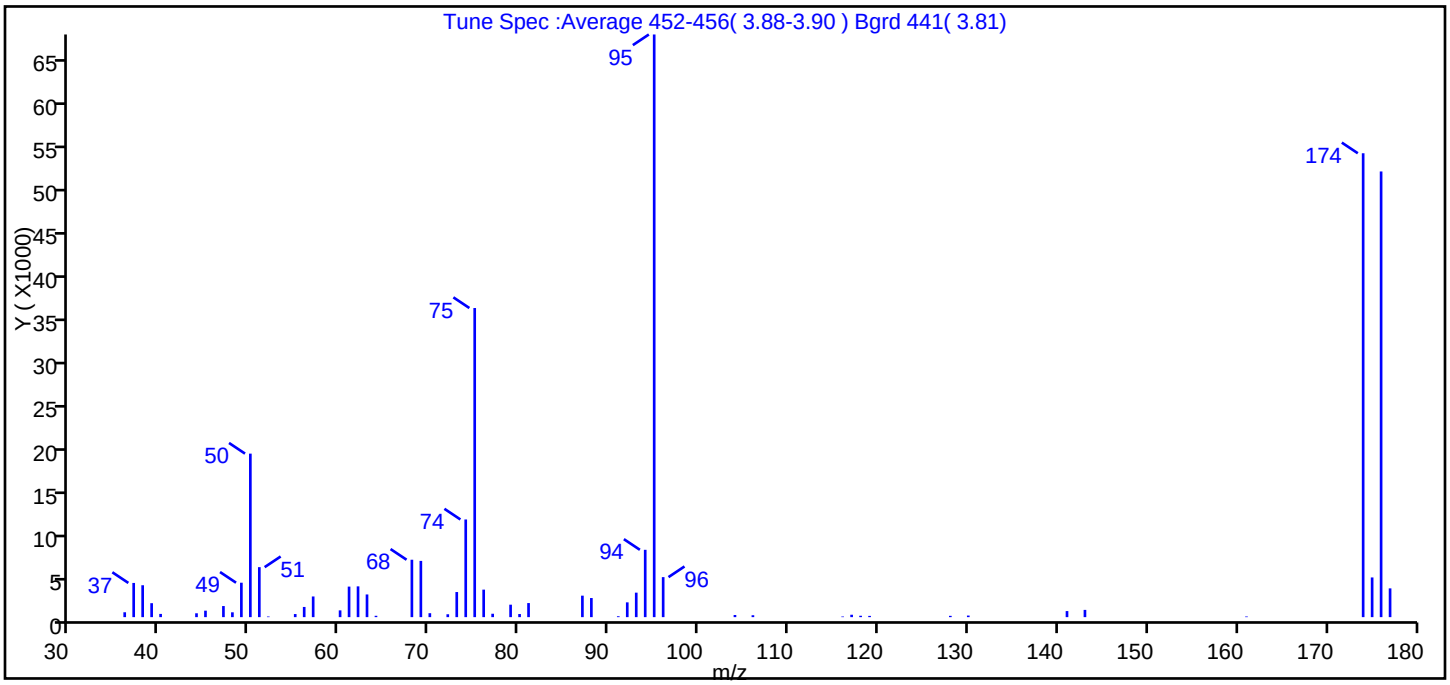
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6480.D
Injection Date: 22-Dec-2015 20:55:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.1
75	30 to 60% of m/z 95	53.1
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.6
175	5 to 9% of m/z 174	6.8 (8.6)
176	Greater than 95% but less than 101% of m/z 174	76.5 (96.1)
177	5 to 9% of m/z 176	4.9 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6480.D\S-8260.rslt\spectra.d
Injection Date: 22-Dec-2015 20:55:30
Spectrum: Tune Spec :Average 452-456(3.88-3.90) Bgrd 441(3.81)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	562	56.00	1174	76.00	3169	106.00	220
37.00	3939	57.00	2381	77.00	392	116.00	73
38.00	3674	60.00	780	79.00	1435	117.00	277
39.00	1608	61.00	3517	80.00	359	118.00	160
40.00	372	62.00	3545	81.00	1621	119.00	145
44.00	445	63.00	2613	87.00	2474	128.00	150
45.00	745	64.00	157	88.00	2201	130.00	183
47.00	1278	68.00	6612	91.00	102	141.00	699
48.00	557	69.00	6477	92.00	1703	143.00	835
49.00	3966	70.00	454	93.00	2820	161.00	75
50.00	18832	72.00	332	94.00	7754	174.00	53424
51.00	5757	73.00	2891	95.00	67104	175.00	4572
52.00	73	74.00	11249	96.00	4609	176.00	51328
55.00	357	75.00	35600	104.00	247	177.00	3313

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279590/2-A

Matrix: Solid | Lab File ID: P2324.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.09(g) | Date Analyzed: 12/14/2015 12:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279534 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.64
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.5
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.5
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.69
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	6.62	J	25	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.66
75-25-2	Bromoform	ND		4.9	2.5
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.5
56-23-5	Carbon tetrachloride	ND		4.9	0.48
108-90-7	Chlorobenzene	ND		4.9	0.65
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.71
110-82-7	Cyclohexane	ND		4.9	0.69
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.41
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279590/2-A

Matrix: Solid | Lab File ID: P2324.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.09(g) | Date Analyzed: 12/14/2015 12:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279534 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	3.0
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.75
75-09-2	Methylene Chloride	ND		4.9	2.3
100-42-5	Styrene	ND		4.9	0.25
127-18-4	Tetrachloroethene	ND		4.9	0.66
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.2
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.8	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2324.D
Lims ID: MB 480-279590/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Dec-2015 12:10:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279590/2-A
Misc. Info.: 480-0049193-008
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 15:43:31 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: cwiklinc Date: 14-Dec-2015 13:35:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	309794	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	645732	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	646359	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	93	406736	50.0	51.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	250930	50.0	52.4	
$ 5 Toluene-d8 (Surr)	98	11.883	11.878	0.005	93	1425986	50.0	50.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	490502	50.0	49.9	
10 Dichlorodifluoromethane	85		4.042					ND	
15 Chlorodifluoromethane	51		4.060					ND	
11 Chloromethane	50		4.346					ND	
17 Vinyl chloride	62		4.577					ND	
149 Butadiene	54		4.596					ND	
12 Bromomethane	94		5.131					ND	
13 Chloroethane	64		5.259					ND	
19 Dichlorofluoromethane	67		5.563					ND	
14 Trichlorofluoromethane	101		5.678					ND	
146 Ethanol	45		5.849					ND	
20 Ethyl ether	59		5.964					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.220					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.311					ND	
25 1,1-Dichloroethene	96		6.378					ND	
24 Acetone	43	6.408	6.396	0.012	95	23916		6.74	
23 Isopropyl alcohol	45		6.506					ND	
18 Iodomethane	142		6.634					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.780					ND	
29 Acetonitrile	40		6.804					ND	
33 2-Methyl-2-propanol	59		6.999					ND	
32 Methyl tert-butyl ether	73		7.230					ND	
34 Acrylonitrile	53		7.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 trans-1,2-Dichloroethene	96		7.303					ND	
36 Hexane	57	7.546	7.534	0.012	94	15252		0.8931	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.747					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.832					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.917					ND	
42 Tert-butyl ethyl ether	59		8.185					ND	
46 Ethyl acetate	43		8.471					ND	
44 2-Butanone (MEK)	43		8.471					ND	
43 cis-1,2-Dichloroethene	96		8.526					ND	
45 2,2-Dichloropropane	77		8.532					ND	
47 Propionitrile	54		8.605					ND	
48 Methacrylonitrile	41		8.775					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.885					ND	
52 1,1,1-Trichloroethane	97		9.146					ND	
54 Cyclohexane	56		9.219					ND	
53 Isobutyl alcohol	43		9.292					ND	
56 1,1-Dichloropropene	75		9.316					ND	
55 Carbon tetrachloride	117		9.353					ND	
145 t-Amyl alcohol	59		9.426					ND	
150 Isooctane	57		9.554					ND	
58 Tert-amyl methyl ether	73		9.590					ND	
57 Benzene	78		9.596					ND	
60 1,2-Dichloroethane	62		9.621					ND	
59 n-Heptane	43		9.718					ND	
1 1,4-Difluorobenzene	114		9.967					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.326					ND	
62 Trichloroethene	95		10.351					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.630					ND	
63 1,2-Dichloropropane	63		10.667					ND	
68 1,4-Dioxane	88		10.777					ND	
69 Dibromomethane	93		10.856					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.263					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	90	5576		0.5212	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	
80 Tetrachloroethene	166		12.711					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
83 2-Hexanone	43	12.735	12.723	0.012	98	6398		0.8687	
82 1,3-Dichloropropane	76		12.754					ND	
156 n-Butyl acetate	43	12.814	12.808	0.006	93	5051		0.2863	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.289					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.879					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.633					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.938					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.327					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
100 Bromobenzene	156		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
102 1,3,5-Trimethylbenzene	105		15.802					ND	
104 3-Chlorotoluene	126		15.862					ND	
105 4-Chlorotoluene	126		15.923					ND	
106 tert-Butylbenzene	134		16.240					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	95	11044		0.2641	
110 1,3-Dichlorobenzene	146		16.751					ND	
111 1,4-Dichlorobenzene	146		16.854					ND	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.823	16.878	-0.055	46	12917		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.347					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.816	19.811	0.005	97	27296		0.9154	
122 1,2,3-Trichlorobenzene	180	20.175	20.170	0.005	91	3270		0.2680	M
147 2-Methylnaphthalene	142	21.648	21.642	0.006	92	24600		4.57	
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

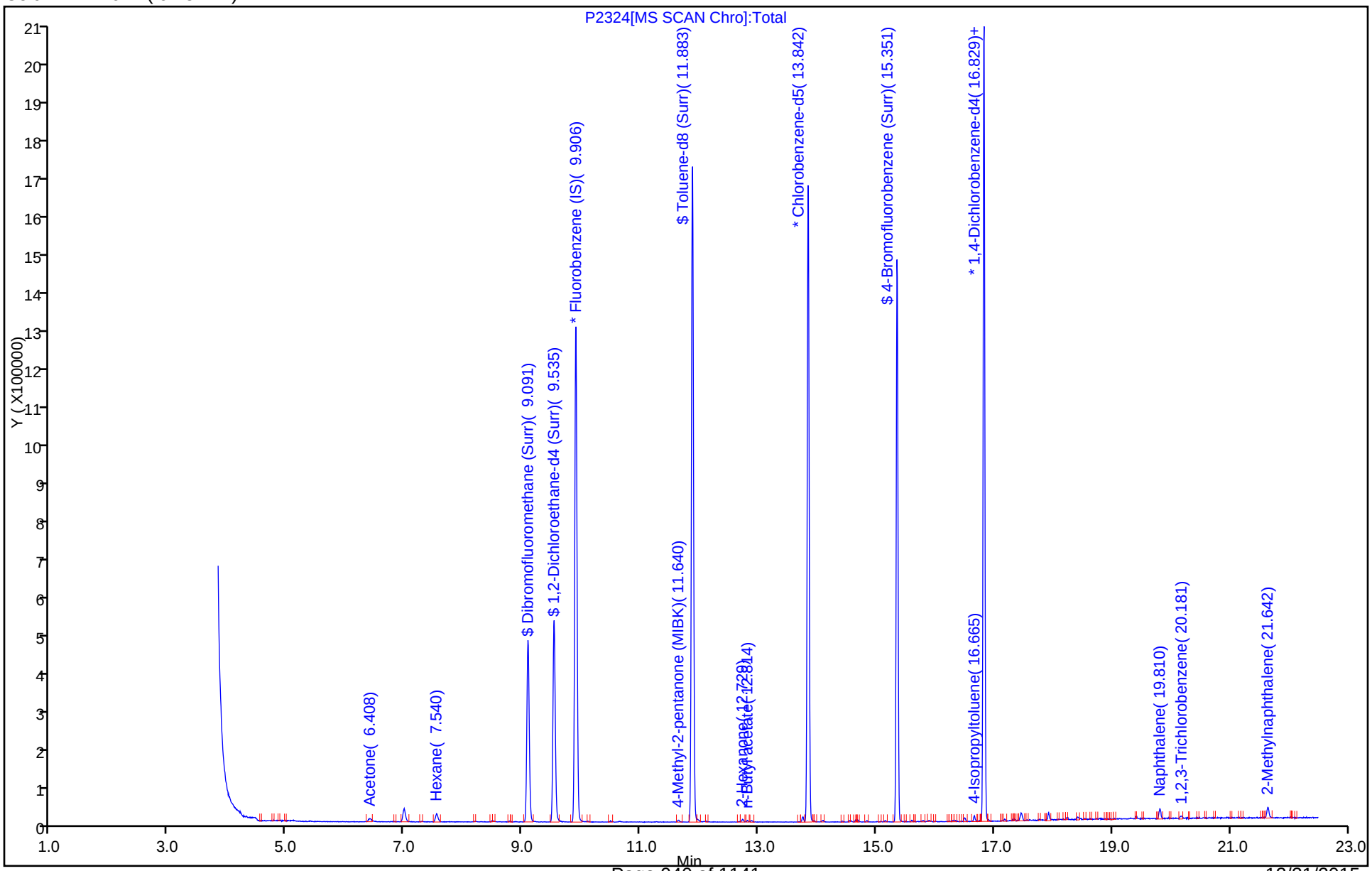
Report Date: 14-Dec-2015 15:44:39 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2324.D

Injection Date:	14-Dec-2015 12:10:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	MB 480-279590/2-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Report Date: 14-Dec-2015 15:44:39 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2324.D

Injection Date: 14-Dec-2015 12:10:30 Instrument ID: HP5973P

Lims ID: MB 480-279590/2-A

Client ID:

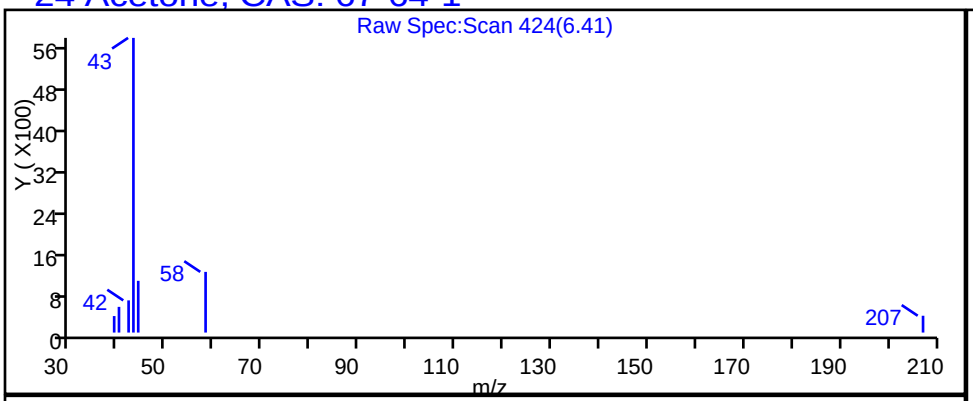
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 8

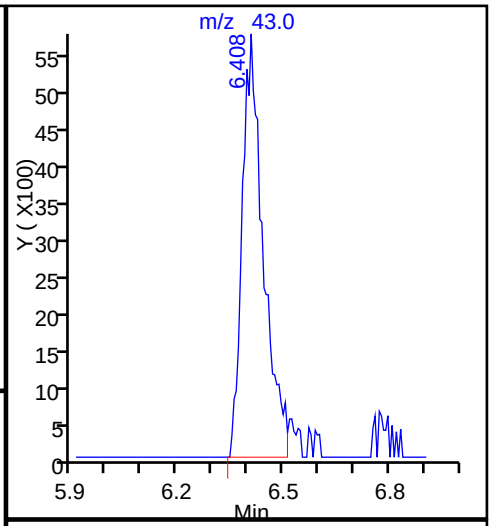
Purge Vol: 5.000 mL Dil. Factor: 1.0000

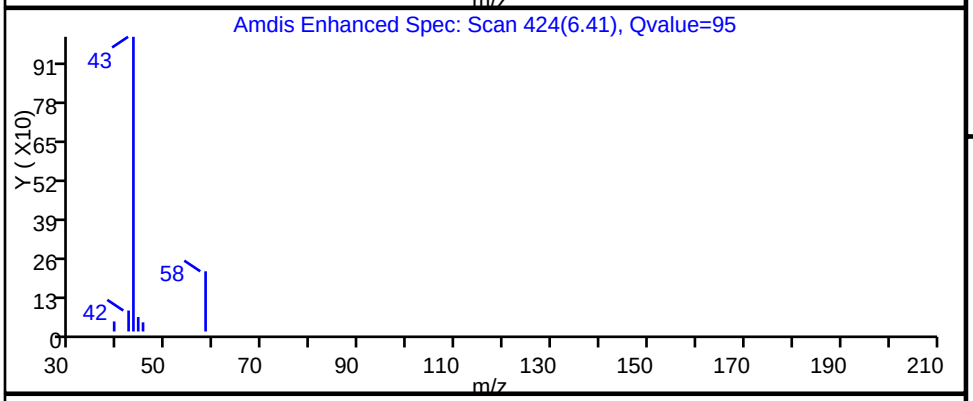
Method: P-8260SOIL Limit Group: MV - 8260C ICAL

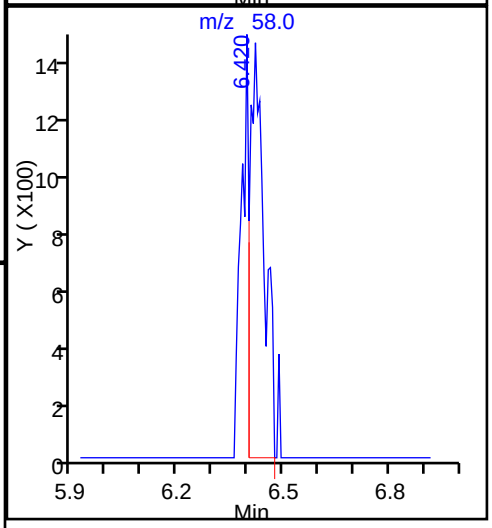
Column: ZB-624 (0.25 mm) Detector MS SCAN

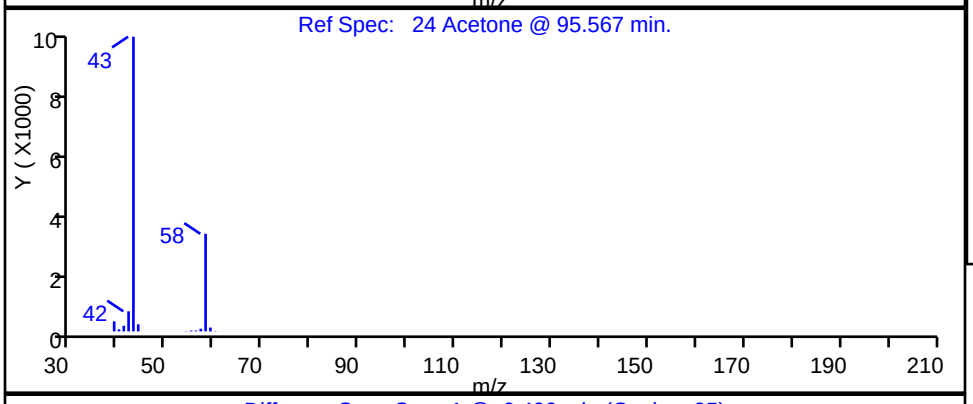
24 Acetone, CAS: 67-64-1

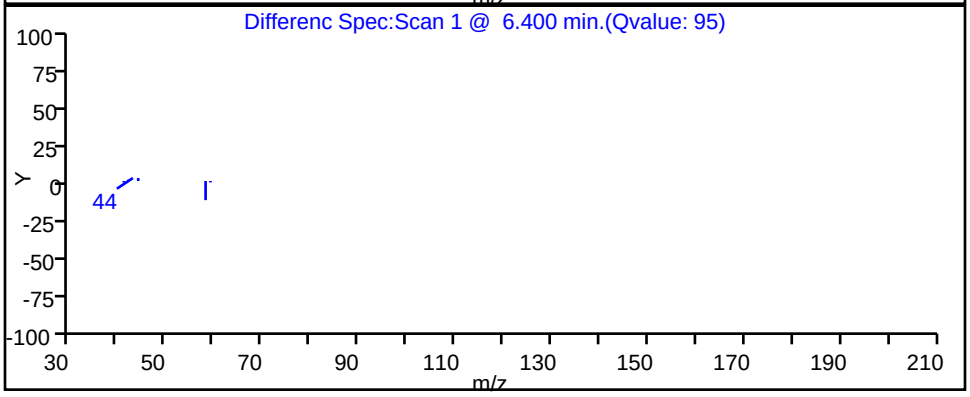












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-279710/2-A

Matrix: Solid Lab File ID: P2350.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 12/15/2015 01:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 279691 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	5.42	J	25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279710/2-A

Matrix: Solid | Lab File ID: P2350.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/15/2015 01:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2350.D
Lims ID: MB 480-279710/2-A
Client ID:
Sample Type: MB
Inject. Date: 15-Dec-2015 01:46:30 ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279710/2-A
Misc. Info.: 480-0049221-007
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 08:25:20 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 15-Dec-2015 02:56:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	313144	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	643066	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	628573	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	400631	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.535	0.000	0	247695	50.0	51.2	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	1396569	50.0	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	481206	50.0	49.1	
10 Dichlorodifluoromethane	85		4.036					ND	
15 Chlorodifluoromethane	51		4.048					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.571					ND	
149 Butadiene	54		4.596					ND	
12 Bromomethane	94		5.125					ND	
13 Chloroethane	64		5.253					ND	
19 Dichlorofluoromethane	67		5.557					ND	
14 Trichlorofluoromethane	101		5.672					ND	
146 Ethanol	45		5.855					ND	
20 Ethyl ether	59		5.964					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.220					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305					ND	
25 1,1-Dichloroethene	96		6.378					ND	
24 Acetone	43	6.408	6.396	0.012	97	19434		5.42	
23 Isopropyl alcohol	45		6.512					ND	
18 Iodomethane	142		6.627					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.773					ND	
28 3-Chloro-1-propene	41		6.810					ND	
29 Acetonitrile	40		6.816					ND	
33 2-Methyl-2-propanol	59		7.005					ND	
32 Methyl tert-butyl ether	73		7.224					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		7.272					ND	
35 trans-1,2-Dichloroethene	96		7.303					ND	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.753					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.923					ND	
42 Tert-butyl ethyl ether	59		8.191					ND	
46 Ethyl acetate	43		8.471					ND	
44 2-Butanone (MEK)	43		8.477					ND	
43 cis-1,2-Dichloroethene	96		8.526					ND	
45 2,2-Dichloropropane	77		8.532					ND	
47 Propionitrile	54		8.611					ND	
48 Methacrylonitrile	41		8.775					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.140					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.286					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.353					ND	
145 t-Amyl alcohol	59		9.432					ND	
150 Isooctane	57		9.560					ND	
57 Benzene	78		9.596					ND	
58 Tert-amyl methyl ether	73		9.596					ND	
59 n-Heptane	43		9.718					ND	
1 1,4-Difluorobenzene	114		9.973					ND	
61 n-Butanol	56		10.095					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.332					ND	
62 Trichloroethene	95		10.351					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.637					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.783					ND	
69 Dibromomethane	93		10.849					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.263					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.646	11.634	0.012	49	6929		0.6504	M
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	
80 Tetrachloroethene	166		12.717					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
83 2-Hexanone	43	12.729	12.723	0.006	92	7500		1.02	
82 1,3-Dichloropropane	76		12.754					ND	
156 n-Butyl acetate	43		12.815					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.295					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.885					ND	
89 Ethylbenzene	91		13.946					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.633					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.938					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.327					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
100 Bromobenzene	156		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
102 1,3,5-Trimethylbenzene	105		15.801					ND	
104 3-Chlorotoluene	126		15.868					ND	
105 4-Chlorotoluene	126		15.923					ND	
106 tert-Butylbenzene	134		16.239					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.361					ND	
112 4-Isopropyltoluene	119	16.659	16.665	-0.006	94	8342		0.2051	
110 1,3-Dichlorobenzene	146		16.751					ND	
111 1,4-Dichlorobenzene	146		16.860					ND	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.830	16.884	-0.054	44	12868		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.347					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.320					ND	
118 1,3,5-Trichlorobenzene	180		18.545					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.804	19.811	-0.007	97	23680		0.7857	M
122 1,2,3-Trichlorobenzene	180		20.169					ND	
147 2-Methylnaphthalene	142	21.648	21.642	0.006	89	7854		3.36	
155 Ethylene oxide TIC	1		0.000					ND	
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

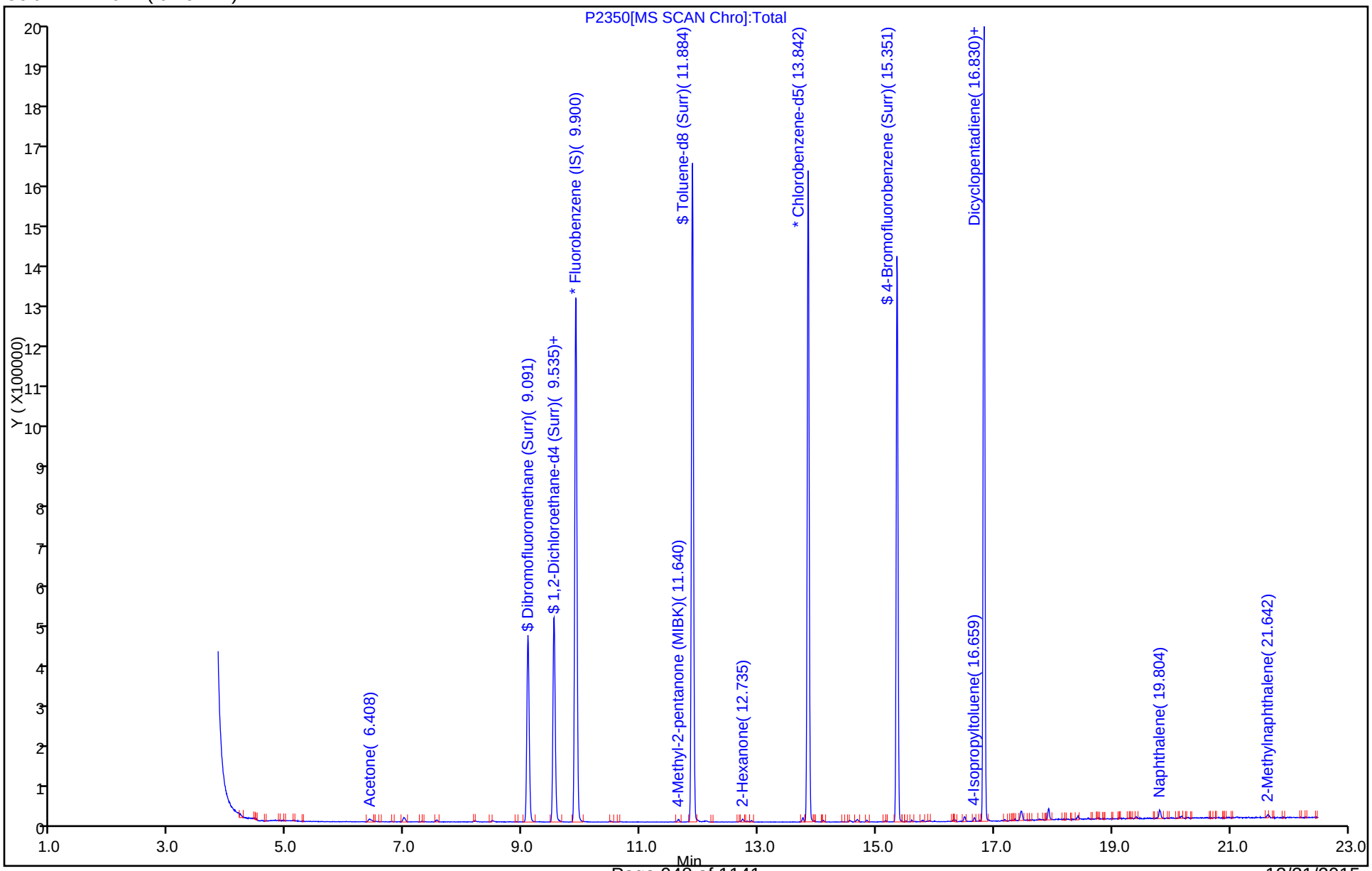
Report Date: 15-Dec-2015 08:25:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2350.D

Injection Date:	15-Dec-2015 01:46:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	MB 480-279710/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Report Date: 15-Dec-2015 08:25:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2350.D

Injection Date: 15-Dec-2015 01:46:30 Instrument ID: HP5973P

Lims ID: MB 480-279710/2-A

Client ID:

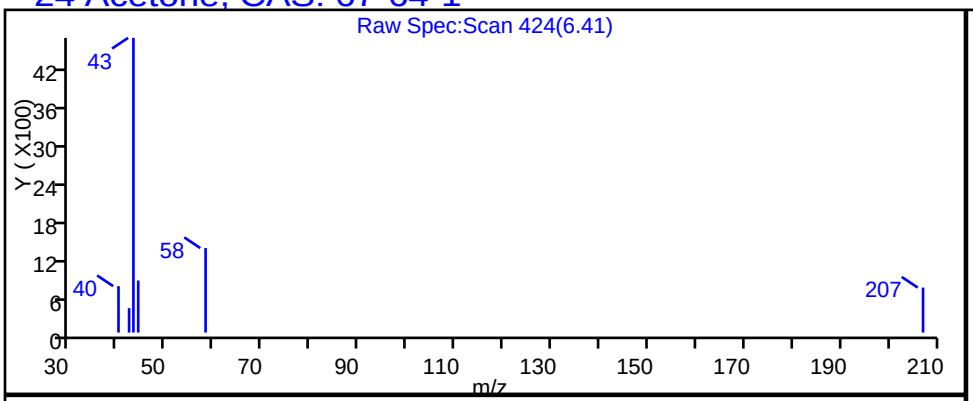
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7

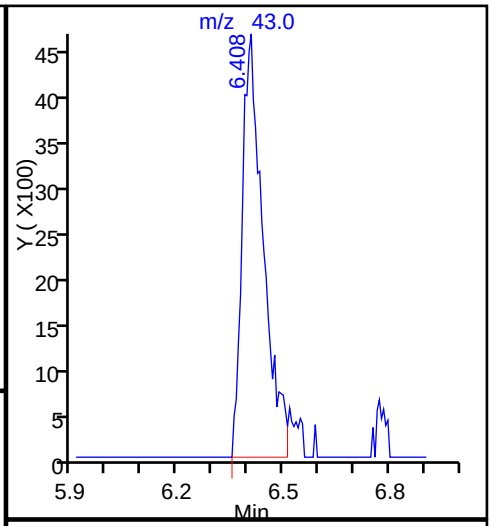
Purge Vol: 5.000 mL Dil. Factor: 1.0000

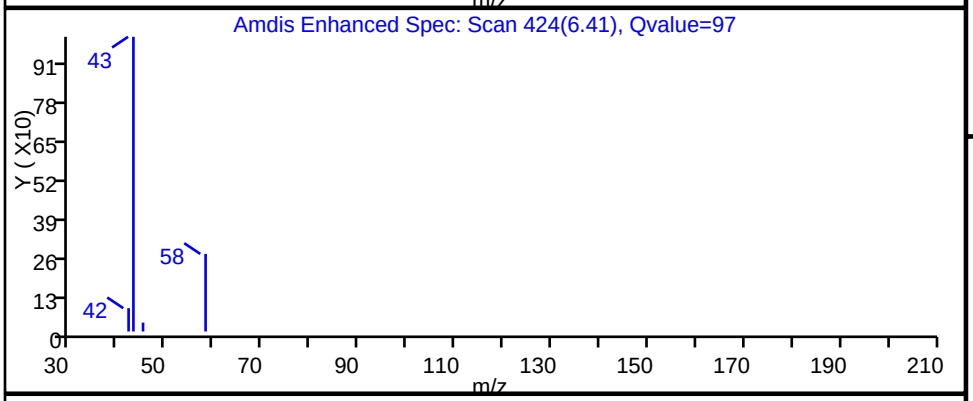
Method: P-8260SOIL Limit Group: MV - 8260C ICAL

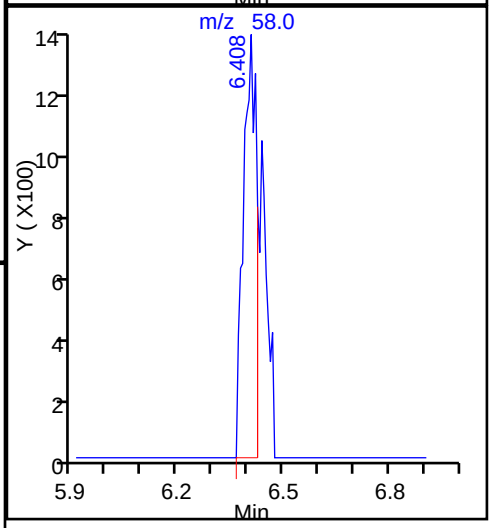
Column: ZB-624 (0.25 mm) Detector MS SCAN

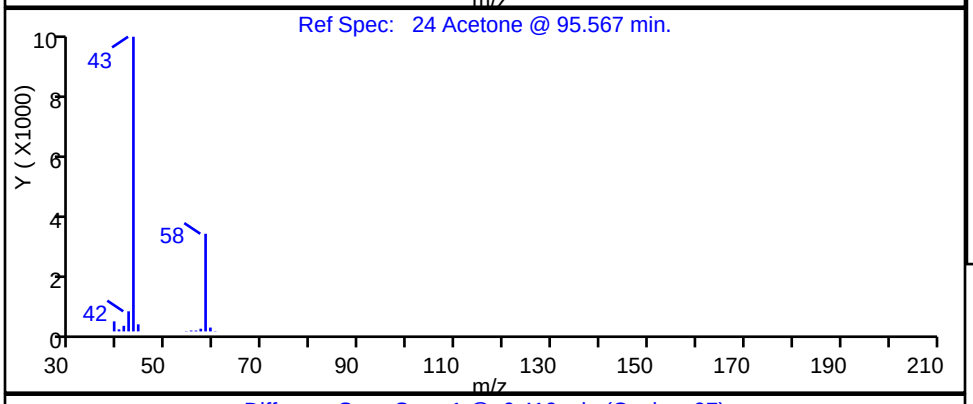
24 Acetone, CAS: 67-64-1

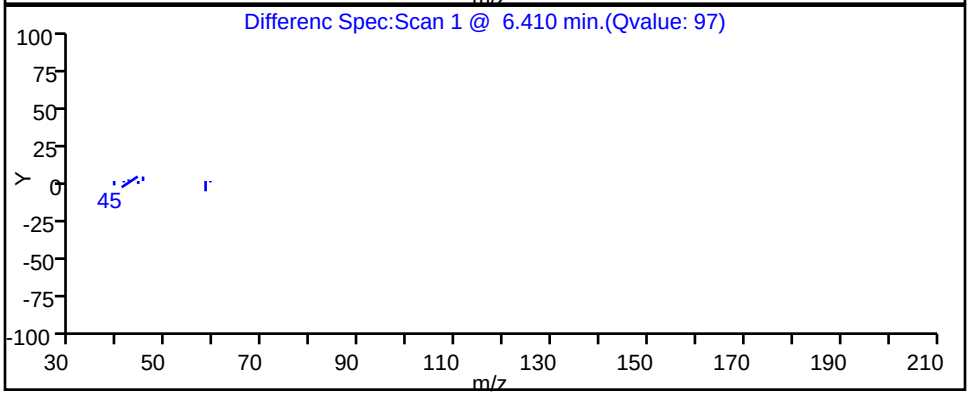












Manual Integration/User Assign Peak Report

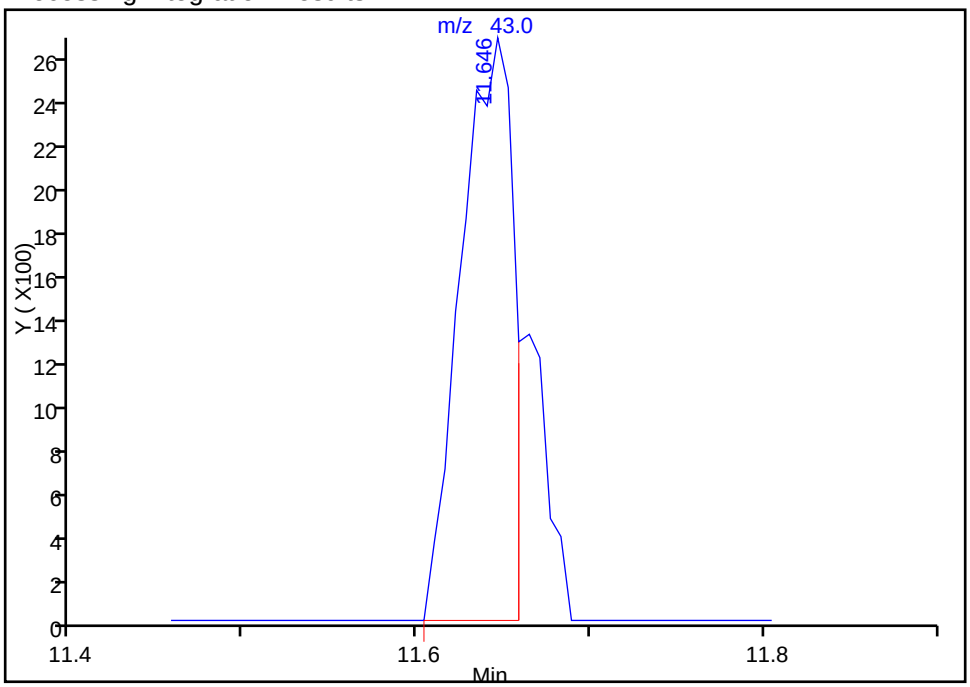
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2350.D
Injection Date: 15-Dec-2015 01:46:30 Instrument ID: HP5973P
Lims ID: MB 480-279710/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

75 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

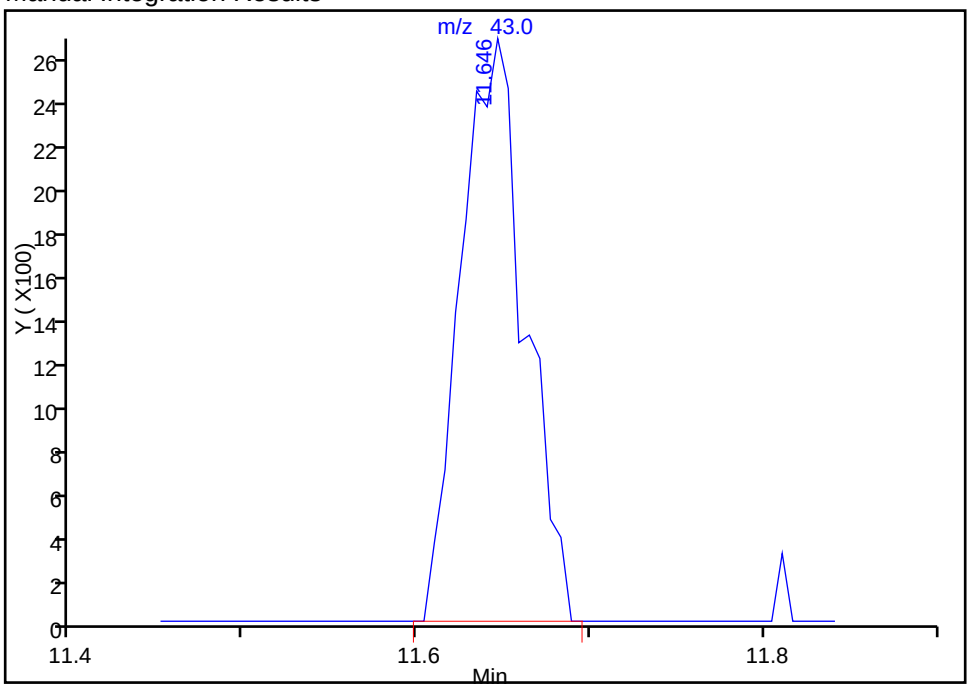
Processing Integration Results

RT: 11.65
Area: 5692
Amount: 0.534253
Amount Units: ug/L



Manual Integration Results

RT: 11.65
Area: 6929
Amount: 0.650359
Amount Units: ug/L



Reviewer: cwiklinc, 15-Dec-2015 08:25:20
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279840/2-A

Matrix: Solid | Lab File ID: P2376.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 12/15/2015 14:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279840/2-A

Matrix: Solid | Lab File ID: P2376.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 12/15/2015 14:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2376.D
Lims ID: MB 480-279840/2-A
Client ID:
Sample Type: MB
Inject. Date: 15-Dec-2015 14:36:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279840/2-A
Misc. Info.: 480-0049245-006
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 15:27:09 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 15:27:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	371380	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	755521	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	732603	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	92	483917	50.0	50.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	295218	50.0	51.4	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1646432	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	556899	50.0	48.4	
10 Dichlorodifluoromethane	85		4.030					ND	
15 Chlorodifluoromethane	51		4.054					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.571					ND	
149 Butadiene	54		4.589					ND	
12 Bromomethane	94		5.119					ND	
13 Chloroethane	64		5.246					ND	
19 Dichlorofluoromethane	67		5.551					ND	
14 Trichlorofluoromethane	101		5.666					ND	
146 Ethanol	45		5.855					ND	
20 Ethyl ether	59		5.958					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.220					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299					ND	
25 1,1-Dichloroethene	96		6.378					ND	
24 Acetone	43		6.390					ND	
23 Isopropyl alcohol	45		6.505					ND	
18 Iodomethane	142		6.627					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.773					ND	
29 Acetonitrile	40		6.804					ND	
28 3-Chloro-1-propene	41		6.804					ND	
33 2-Methyl-2-propanol	59		6.998					ND	
32 Methyl tert-butyl ether	73		7.224					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		7.272					ND	
35 trans-1,2-Dichloroethene	96		7.303					ND	
36 Hexane	57	7.546	7.528	0.018	92	4614		0.2254	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.747					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.917					ND	
42 Tert-butyl ethyl ether	59		8.185					ND	
46 Ethyl acetate	43		8.464					ND	
44 2-Butanone (MEK)	43		8.471					ND	
43 cis-1,2-Dichloroethene	96		8.525					ND	
45 2,2-Dichloropropane	77		8.525					ND	
47 Propionitrile	54		8.604					ND	
48 Methacrylonitrile	41		8.769					ND	
50 Chlorobromomethane	128		8.836					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.140					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.292					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.432					ND	
150 Isooctane	57		9.553					ND	
58 Tert-amyl methyl ether	73		9.590					ND	
57 Benzene	78		9.596					ND	
60 1,2-Dichloroethane	62		9.620					ND	
59 n-Heptane	43		9.712					ND	
1 1,4-Difluorobenzene	114		9.967					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.326					ND	
62 Trichloroethene	95		10.350					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.624					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.782					ND	
69 Dibromomethane	93		10.849					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.257					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	92	4490		0.3587	
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 1,1,2-Trichloroethane	83		12.510					ND	
83 2-Hexanone	43	12.735	12.723	0.012	96	6284		0.7293	
82 1,3-Dichloropropane	76		12.747					ND	
156 n-Butyl acetate	43		12.808					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.289					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.702					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.879					ND	
89 Ethylbenzene	91		13.946					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.633					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.931					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.077					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.552					ND	
100 Bromobenzene	156		15.595					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
102 1,3,5-Trimethylbenzene	105		15.801					ND	
104 3-Chlorotoluene	126		15.862					ND	
105 4-Chlorotoluene	126		15.923					ND	
106 tert-Butylbenzene	134		16.239					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
109 sec-Butylbenzene	105		16.513					ND	
112 4-Isopropyltoluene	119		16.665					ND	
111 1,4-Dichlorobenzene	146		16.854					ND	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.829	16.878	-0.049	44	14931		NC	
148 Benzyl chloride	126		17.012					ND	
115 n-Butylbenzene	91		17.176					ND	
116 1,2-Dichlorobenzene	146		17.341					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.810	19.810	0.000	98	27966		0.7824	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	95	3230		0.2208	
147 2-Methylnaphthalene	142	21.629	21.641	-0.012	93	6773		3.21	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
129 Hexachloroethane	117		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
154 1-Bromopropane TIC	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

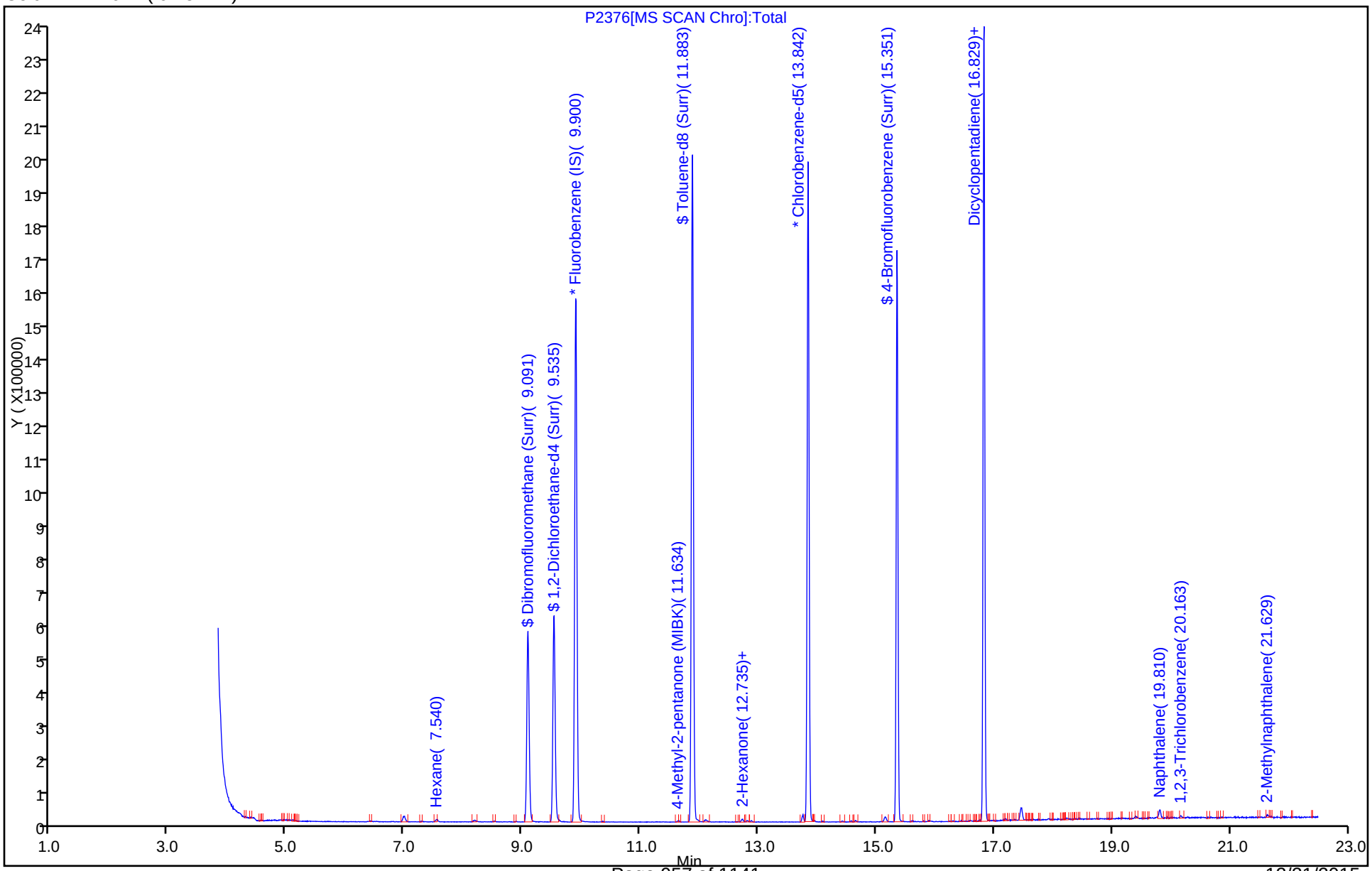
Report Date: 15-Dec-2015 15:27:26 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2376.D

Injection Date:	15-Dec-2015 14:36:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	MB 480-279840/2-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279980/2-A

Matrix: Solid | Lab File ID: P2404.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.12(g) | Date Analyzed: 12/16/2015 11:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.63
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.4
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.68
78-93-3	2-Butanone (MEK)	ND		24	1.8
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	6.80	J	24	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.65
75-25-2	Bromoform	ND		4.9	2.4
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.4
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND		4.9	0.64
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.70
110-82-7	Cyclohexane	ND		4.9	0.68
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279980/2-A

Matrix: Solid | Lab File ID: P2404.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.12(g) | Date Analyzed: 12/16/2015 11:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	2.9
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.74
75-09-2	Methylene Chloride	ND		4.9	2.2
100-42-5	Styrene	ND		4.9	0.24
127-18-4	Tetrachloroethene	ND		4.9	0.66
108-88-3	Toluene	0.409	J	4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.50
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.1
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.8	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2404.D
Lims ID: MB 480-279980/2-A
Client ID:
Sample Type: MB
Inject. Date: 16-Dec-2015 11:48:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279980/2-A
Misc. Info.: 480-0049276-007
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 12:32:57 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 12:32:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.894	0.007	98	383585	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	775512	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	769838	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	93	495104	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	303484	50.0	51.2	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	1681638	50.0	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	569891	50.0	48.2	
10 Dichlorodifluoromethane	85		4.030					ND	
15 Chlorodifluoromethane	51		4.048					ND	
11 Chloromethane	50		4.334					ND	
17 Vinyl chloride	62		4.565					ND	
149 Butadiene	54		4.590					ND	
12 Bromomethane	94		5.119					ND	
13 Chloroethane	64		5.240					ND	
19 Dichlorofluoromethane	67		5.551					ND	
14 Trichlorofluoromethane	101		5.666					ND	
146 Ethanol	45		5.849					ND	
20 Ethyl ether	59		5.952					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.214					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299					ND	
25 1,1-Dichloroethene	96		6.372					ND	
24 Acetone	43	6.409	6.390	0.019	98	30602		6.96	
23 Isopropyl alcohol	45		6.500					ND	
18 Iodomethane	142		6.628					ND	
30 Methyl acetate	43		6.761					ND	
27 Carbon disulfide	76		6.774					ND	
29 Acetonitrile	40		6.804					ND	
28 3-Chloro-1-propene	41		6.804					ND	
33 2-Methyl-2-propanol	59		6.993					ND	
32 Methyl tert-butyl ether	73		7.224					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		7.266					ND	
35 trans-1,2-Dichloroethene	96		7.303					ND	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.741					ND	
38 Vinyl acetate	43		7.765					ND	
40 1,1-Dichloroethane	63		7.820					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.911					ND	
42 Tert-butyl ethyl ether	59		8.185					ND	
46 Ethyl acetate	43		8.465					ND	
44 2-Butanone (MEK)	43		8.471					ND	
43 cis-1,2-Dichloroethene	96		8.520					ND	
45 2,2-Dichloropropane	77		8.526					ND	
47 Propionitrile	54		8.598					ND	
48 Methacrylonitrile	41		8.769					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.140					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.286					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.426					ND	
150 Isooctane	57		9.547					ND	
58 Tert-amyl methyl ether	73		9.584					ND	
57 Benzene	78		9.590					ND	
60 1,2-Dichloroethane	62		9.615					ND	
59 n-Heptane	43		9.712					ND	
1 1,4-Difluorobenzene	114		9.967					ND	
61 n-Butanol	56		10.083					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.326					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.624					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.783					ND	
69 Dibromomethane	93		10.850					ND	
70 Dichlorobromomethane	83		10.983					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.257					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.647	11.634	0.013	97	7780		0.6055	
76 Toluene	92	11.969	11.969	0.000	96	11535		0.4188	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.224					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	
80 Tetrachloroethene	166		12.711					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
83 2-Hexanone	43	12.723	12.723	0.000	95	10517		1.19	
82 1,3-Dichloropropane	76		12.748					ND	
156 n-Butyl acetate	43		12.808					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.289					ND	
84 3-Chlorobenzotrifluoride	180		13.678					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.751					ND	
87 Chlorobenzene	112		13.879					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
93 o-Xylene	106		14.634					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.931					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
101 1,2,3-Trichloropropane	110		15.589					ND	
100 Bromobenzene	156		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
104 3-Chlorotoluene	126	15.796	15.862	-0.066	86	391		NC	
106 tert-Butylbenzene	134		16.240					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.349					ND	
112 4-Isopropyltoluene	119	16.665	16.659	0.006	96	11820		0.2373	
110 1,3-Dichlorobenzene	146		16.751					ND	
113 1,2,3-Trimethylbenzene	105		16.854					ND	
111 1,4-Dichlorobenzene	146		16.854					ND	
114 Dicyclopentadiene	66	16.830	16.878	-0.048	45	16574		NC	
148 Benzyl chloride	126		17.006					ND	
116 1,2-Dichlorobenzene	146		17.341					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
119 1,2,4-Trichlorobenzene	180		19.403					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.811	19.805	0.006	97	29539		0.8001	
122 1,2,3-Trichlorobenzene	180		20.170					ND	
147 2-Methylnaphthalene	142	21.642	21.642	0.000	31	8349		3.29	M
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1				0			0.4188	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

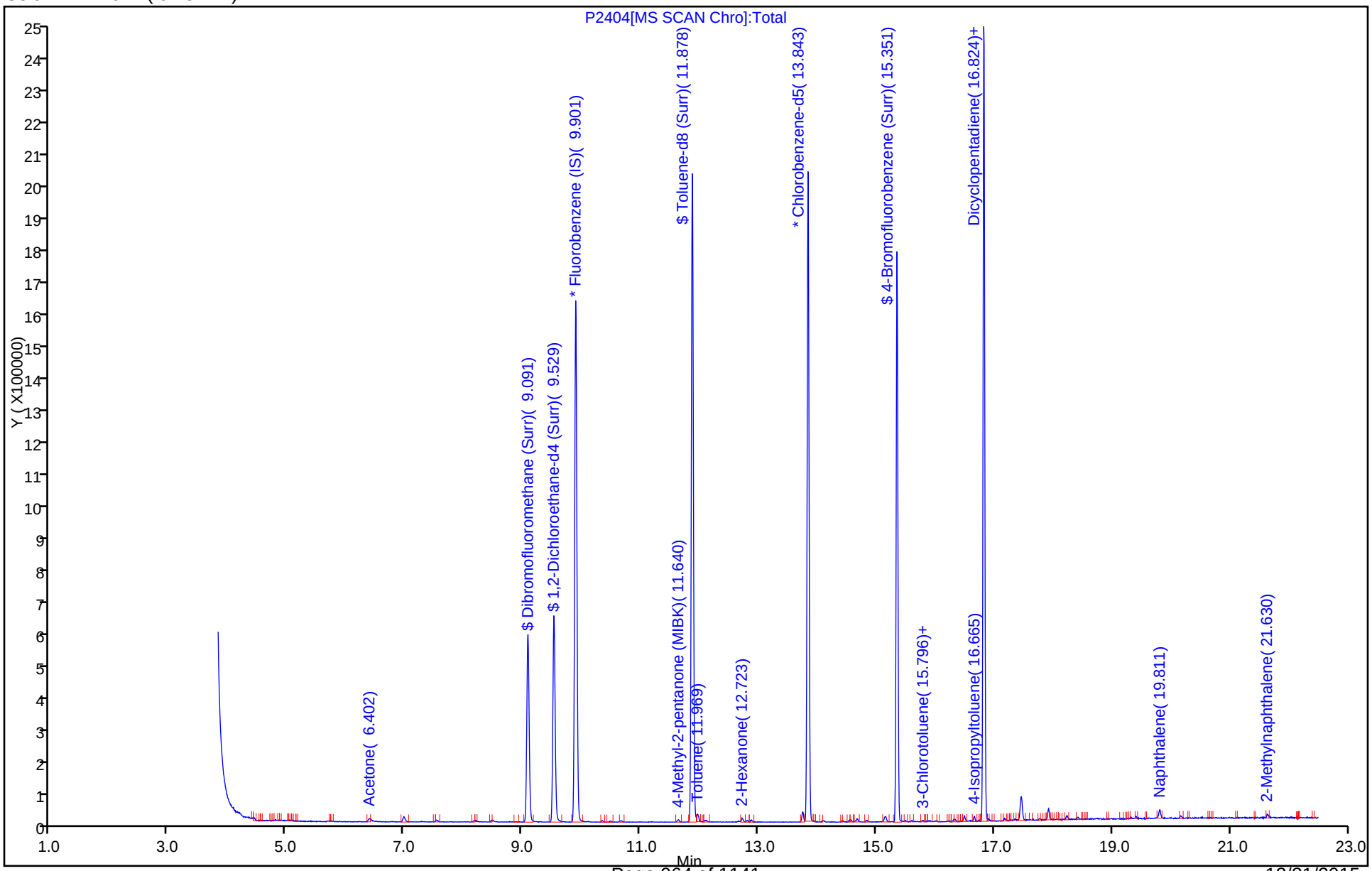
Report Date: 16-Dec-2015 12:32:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2404.D

Injection Date:	16-Dec-2015 11:48:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	MB 480-279980/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Report Date: 16-Dec-2015 12:32:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2404.D

Injection Date: 16-Dec-2015 11:48:30 Instrument ID: HP5973P

Lims ID: MB 480-279980/2-A

Client ID:

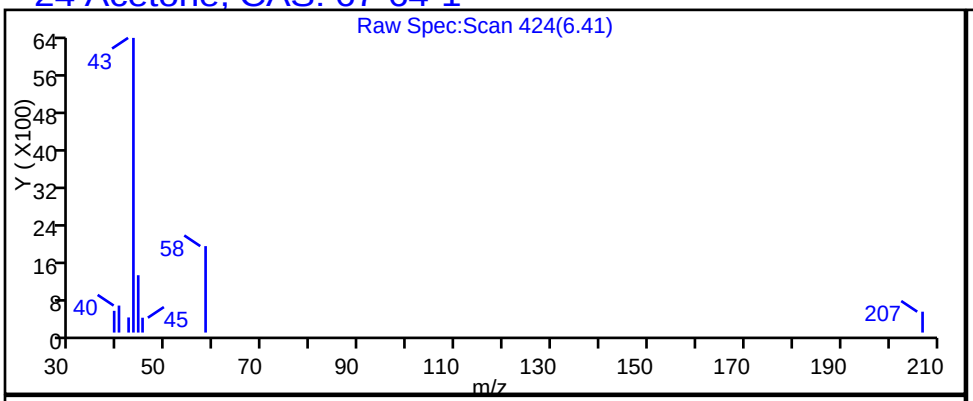
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 7

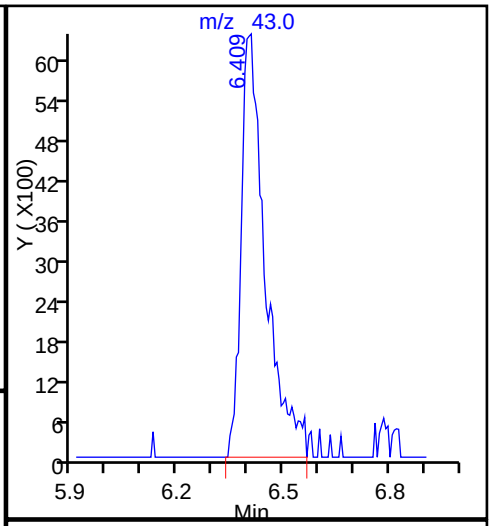
Purge Vol: 5.000 mL Dil. Factor: 1.0000

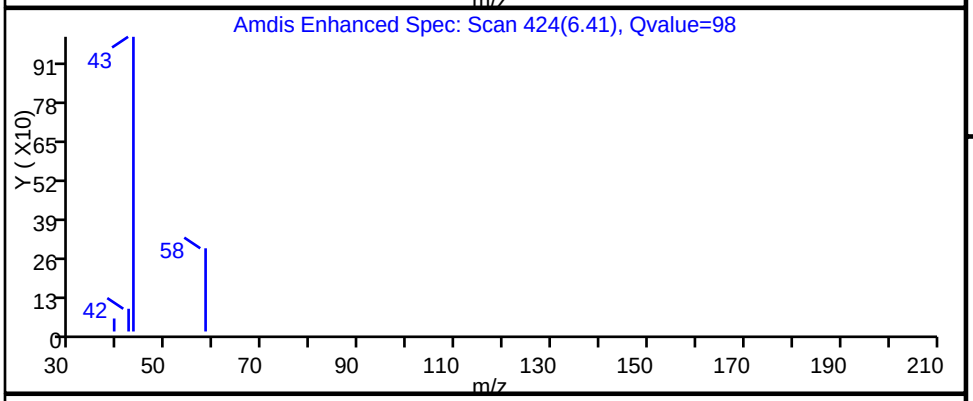
Method: P-8260SOIL Limit Group: MV - 8260C ICAL

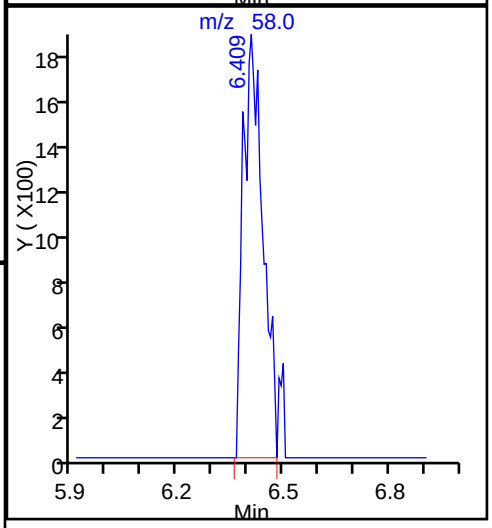
Column: ZB-624 (0.25 mm) Detector MS SCAN

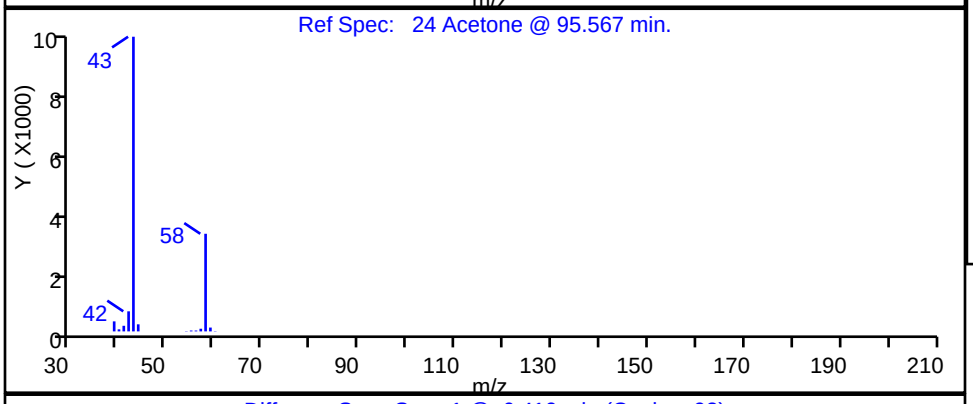
24 Acetone, CAS: 67-64-1

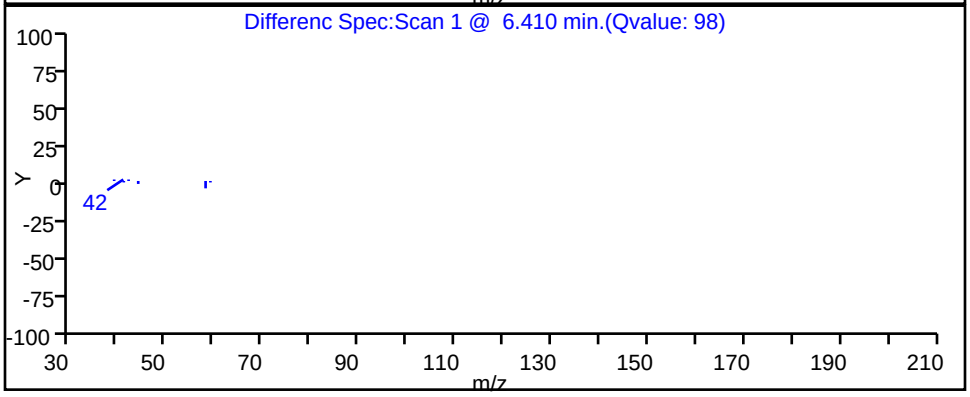












Report Date: 16-Dec-2015 12:32:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2404.D

Injection Date: 16-Dec-2015 11:48:30 Instrument ID: HP5973P

Lims ID: MB 480-279980/2-A

Client ID:

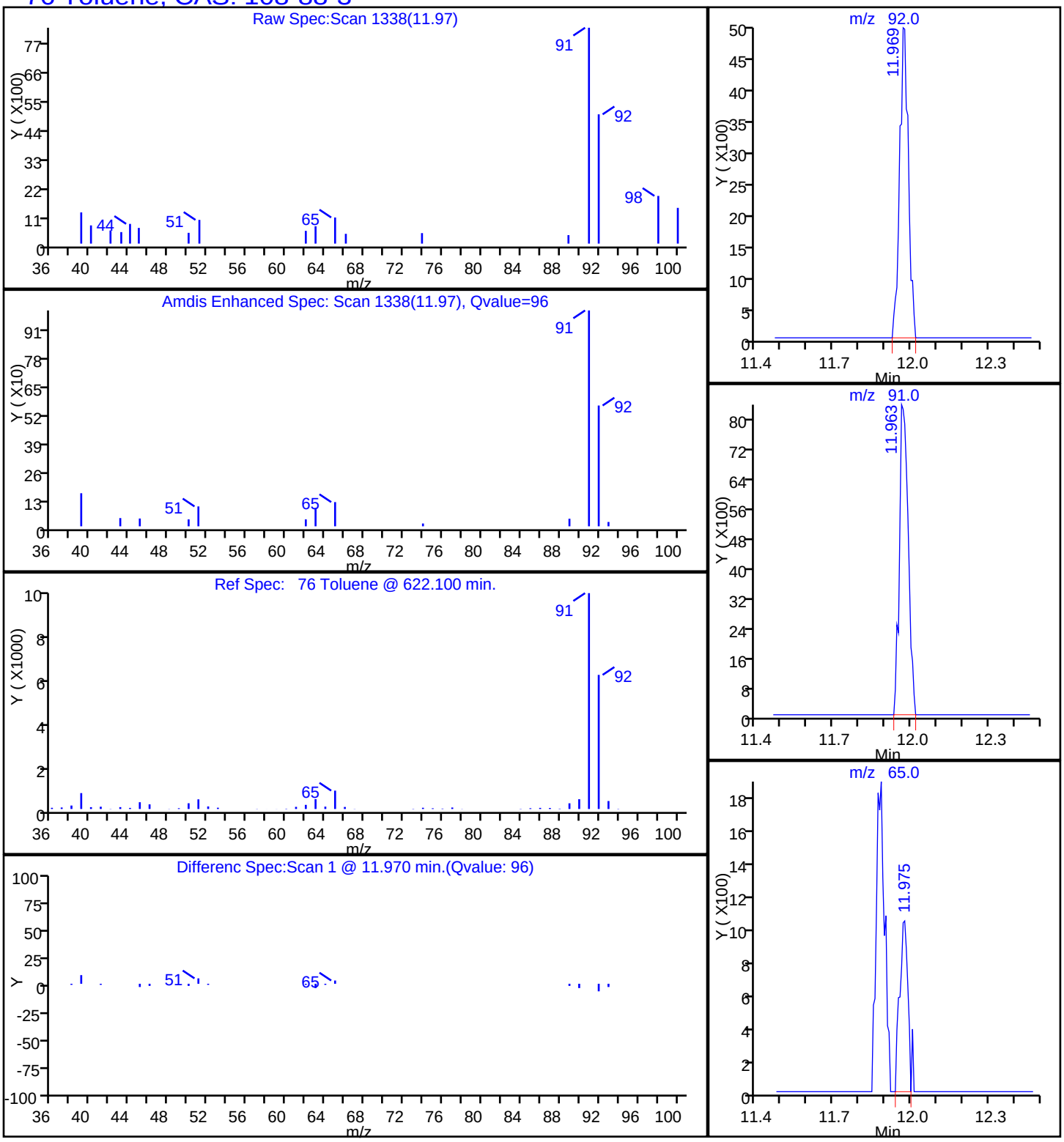
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: P-8260SOIL Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm) Detector MS SCAN

76 Toluene, CAS: 108-88-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280169/2-A

Matrix: Solid | Lab File ID: S6201.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 01:07

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
79-00-5	1,1,2-Trichloroethane	ND		100	21
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	34
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
106-93-4	1,2-Dibromoethane	ND		100	17
95-50-1	1,2-Dichlorobenzene	ND		100	25
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-27-4	Bromodichloromethane	ND		100	20
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	45
56-23-5	Carbon tetrachloride	ND		100	25
108-90-7	Chlorobenzene	ND		100	13
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	68
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	27
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
110-82-7	Cyclohexane	ND		100	22
124-48-1	Dibromochloromethane	ND		100	48
75-71-8	Dichlorodifluoromethane	ND		100	43
100-41-4	Ethylbenzene	ND		100	29
98-82-8	Isopropylbenzene	ND		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280169/2-A

Matrix: Solid | Lab File ID: S6201.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 01:07

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	47
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
100-42-5	Styrene	ND		100	24
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
75-69-4	Trichlorofluoromethane	ND		100	47
75-01-4	Vinyl chloride	ND		100	33
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		53-146
460-00-4	4-Bromofluorobenzene (Surr)	92		49-148
2037-26-5	Toluene-d8 (Surr)	94		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6201.D
Lims ID: MB 480-280168/2-A
Client ID:
Sample Type: MB
Inject. Date: 17-Dec-2015 01:07:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb 480-280168/2-a
Misc. Info.: 480-0049315-009
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 01:27:28 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: fortaing Date: 17-Dec-2015 01:27:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	114096	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	231145	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	95	217022	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	53	113815	27.2	22.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	84798	27.2	24.0	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	85	522384	27.2	25.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	162840	27.2	24.9	
10 Dichlorodifluoromethane	85		1.249					ND	
11 Chlorodifluoromethane	51		1.273					ND	
12 Chloromethane	50		1.407					ND	
13 Vinyl chloride	62		1.510					ND	
151 Butadiene	54		1.535					ND	
14 Bromomethane	94		1.821					ND	
15 Chloroethane	64		1.912					ND	
16 Dichlorofluoromethane	67		2.131					ND	
17 Trichlorofluoromethane	101		2.143					ND	
148 Ethanol	45		2.405					ND	
18 Ethyl ether	59		2.423					ND	
19 Propene oxide	58		2.491					ND	
20 Acrolein	56		2.581					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648					ND	
22 1,1-Dichloroethene	96		2.654					ND	
23 Acetone	43		2.739					ND	
25 Iodomethane	142		2.812					ND	
26 Carbon disulfide	76		2.849					ND	
24 Isopropyl alcohol	45		2.916					ND	
28 3-Chloro-1-propene	41		3.001					ND	
29 Acetonitrile	40		3.025					ND	
27 Methyl acetate	43		3.044					ND	
30 Methylene Chloride	84		3.159					ND	
31 2-Methyl-2-propanol	59		3.299					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.366					ND	
34 trans-1,2-Dichloroethene	96		3.378					ND	
33 Acrylonitrile	53		3.402					ND	
35 Hexane	57		3.597					ND	
139 Halothane	117		3.760					ND	
39 1,1-Dichloroethane	63		3.792					ND	
36 Isopropyl ether	45		3.822					ND	
37 Vinyl acetate	43		3.847					ND	
40 2-Chloro-1,3-butadiene	53		3.859					ND	
38 1,1-Dimethoxyethane	75		3.885					ND	
41 Tert-butyl ethyl ether	59		4.163					ND	
44 2,2-Dichloropropane	77		4.315					ND	
45 cis-1,2-Dichloroethene	96		4.345					ND	
43 2-Butanone (MEK)	43		4.370					ND	
42 Ethyl acetate	43		4.412					ND	
46 Propionitrile	54		4.455					ND	
48 Chlorobromomethane	128		4.577					ND	
47 Methacrylonitrile	41		4.577					ND	
49 Tetrahydrofuran	42		4.607					ND	
50 Chloroform	83		4.656					ND	
51 1,1,1-Trichloroethane	97		4.783					ND	
52 Cyclohexane	56		4.808					ND	
55 Carbon tetrachloride	117		4.929					ND	
54 1,1-Dichloropropene	75		4.936					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.994					ND	
53 Isobutyl alcohol	43		5.130					ND	
57 Benzene	78		5.136					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.161					ND	
58 1,2-Dichloroethane	62		5.185					ND	
147 t-Amyl alcohol	59		5.191					ND	
56 Tert-amyl methyl ether	73		5.222					ND	
59 n-Heptane	43		5.343					ND	
1 1,4-Difluorobenzene	114		5.514					ND	
62 Trichloroethene	95		5.751					ND	
60 n-Butanol	56		5.751					ND	
142 Ethyl acrylate	55		5.866					ND	
64 Methylcyclohexane	83		5.885					ND	
65 1,2-Dichloropropane	63		5.976					ND	
63 Methyl methacrylate	41		6.085					ND	
67 Dibromomethane	93		6.110					ND	
66 1,4-Dioxane	88		6.116					ND	
68 Dichlorobromomethane	83		6.262					ND	
70 2-Nitropropane	43		6.499					ND	
69 2-Chloroethyl vinyl ether	63		6.548					ND	
71 Epichlorohydrin	57		6.625					ND	
72 cis-1,3-Dichloropropene	75		6.682					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828					ND	
74 Toluene	92		6.986					ND	
76 2-Methylthiophene	97		7.120					ND	
77 trans-1,3-Dichloropropene	75		7.247					ND	
78 3-Methylthiophene	97		7.278					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.308					ND	
79 1,1,2-Trichloroethane	83		7.436					ND	
81 Tetrachloroethene	166		7.521					ND	
82 1,3-Dichloropropane	76		7.594					ND	
80 2-Hexanone	43		7.667					ND	
155 n-Butyl acetate	43		7.789					ND	
83 Chlorodibromomethane	129		7.831					ND	
84 Ethylene Dibromide	107		7.935					ND	
146 1-Chlorohexane	55		8.385					ND	
85 3-Chlorobenzotrifluoride	180		8.397					ND	
87 Chlorobenzene	112		8.428					ND	
86 4-Chlorobenzotrifluoride	180		8.458					ND	
89 1,1,1,2-Tetrachloroethane	131		8.519					ND	
88 Ethylbenzene	91		8.525					ND	
90 m-Xylene & p-Xylene	106		8.647					ND	
91 o-Xylene	106		9.072					ND	
92 Styrene	104		9.097					ND	
95 Bromoform	173		9.328					ND	
93 2-Chlorobenzotrifluoride	180		9.371					ND	
94 Isopropylbenzene	105		9.456					ND	
96 Cyclohexanone	55		9.602					ND	
101 Bromobenzene	156		9.796					ND	
97 1,1,2,2-Tetrachloroethane	83		9.839					ND	
100 1,2,3-Trichloropropane	110		9.869					ND	
98 trans-1,4-Dichloro-2-buten	53		9.881					ND	
99 N-Propylbenzene	91		9.888					ND	
103 2-Chlorotoluene	126		9.985					ND	
104 3-Chlorotoluene	126		10.046					ND	
102 1,3,5-Trimethylbenzene	105		10.064					ND	
105 4-Chlorotoluene	126		10.094					ND	
106 tert-Butylbenzene	134		10.380					ND	
108 Pentachloroethane	167		10.429					ND	
107 1,2,4-Trimethylbenzene	105		10.435					ND	
109 sec-Butylbenzene	105		10.593					ND	
111 1,3-Dichlorobenzene	146		10.721					ND	
110 4-Isopropyltoluene	119		10.733					ND	
114 Dicyclopentadiene	66		10.800					ND	
113 1,4-Dichlorobenzene	146		10.806					ND	
112 1,2,3-Trimethylbenzene	105		10.843					ND	
150 Benzyl chloride	126		10.946					ND	
115 n-Butylbenzene	91		11.123					ND	
116 1,2-Dichlorobenzene	146		11.159					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877					ND	
118 1,3,5-Trichlorobenzene	180		12.029					ND	
119 1,2,4-Trichlorobenzene	180		12.564					ND	
120 Hexachlorobutadiene	225		12.686					ND	
121 Naphthalene	128		12.771					ND	
122 1,2,3-Trichlorobenzene	180		12.978					ND	
149 2-Methylnaphthalene	142		13.684					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 7 Ethylene oxide	44		1.528					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	

Reagents:

S_8260_IS_00131	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00121	Amount Added:	1.00	Units: uL	Run Reagent

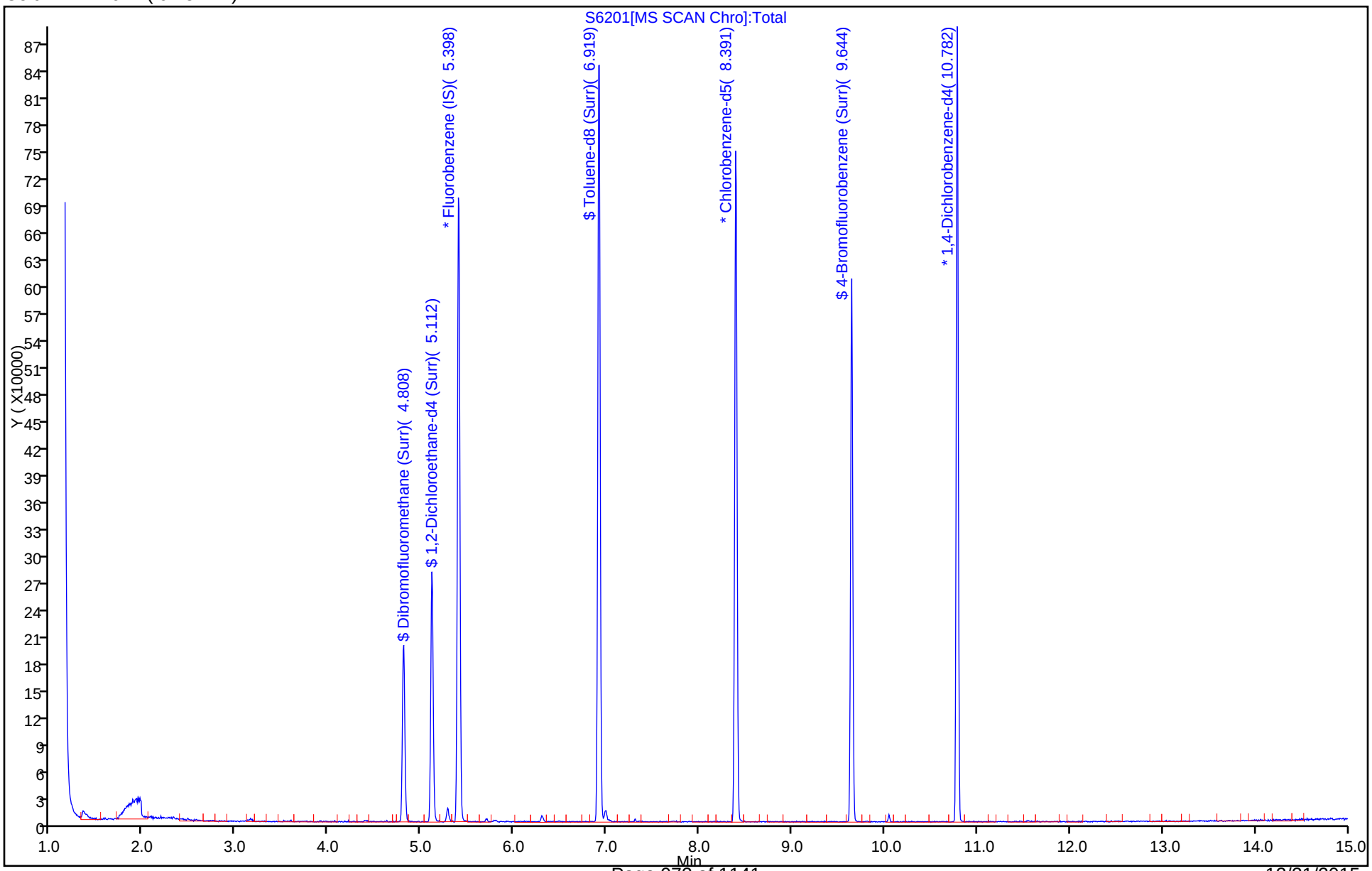
Report Date: 17-Dec-2015 01:27:29 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6201.D

Injection Date:	17-Dec-2015 01:07:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	MB 480-280168/2-A			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280183/2-A

Matrix: Solid | Lab File ID: P2426.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/16/2015 22:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	5.86	J	25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280183/2-A

Matrix: Solid | Lab File ID: P2426.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/16/2015 22:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2426.D
Lims ID: MB 480-280183/2-A
Client ID:
Sample Type: MB
Inject. Date: 16-Dec-2015 22:49:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-280183/2-A
Misc. Info.: 480-0049318-007
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 00:23:59 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: diasn Date: 17-Dec-2015 00:23:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	372078	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	768134	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	749485	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	93	487350	50.0	51.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	300358	50.0	52.2	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	1669793	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	569299	50.0	48.6	
10 Dichlorodifluoromethane	85		4.042					ND	
15 Chlorodifluoromethane	51		4.054					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.571					ND	
149 Butadiene	54		4.590					ND	
12 Bromomethane	94		5.119					ND	
13 Chloroethane	64		5.253					ND	
19 Dichlorofluoromethane	67		5.557					ND	
14 Trichlorofluoromethane	101		5.672					ND	
146 Ethanol	45		5.855					ND	
20 Ethyl ether	59		5.964					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.220					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305					ND	
25 1,1-Dichloroethene	96		6.372					ND	
24 Acetone	43	6.415	6.396	0.019	98	25142		5.90	
23 Isopropyl alcohol	45		6.506					ND	
18 Iodomethane	142		6.634					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.780					ND	
29 Acetonitrile	40		6.804					ND	
33 2-Methyl-2-propanol	59		7.005					ND	
32 Methyl tert-butyl ether	73		7.224					ND	
34 Acrylonitrile	53		7.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 trans-1,2-Dichloroethene	96		7.303					ND	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.753					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.923					ND	
42 Tert-butyl ethyl ether	59		8.191					ND	
46 Ethyl acetate	43		8.471					ND	
44 2-Butanone (MEK)	43		8.477					ND	
43 cis-1,2-Dichloroethene	96		8.520					ND	
45 2,2-Dichloropropane	77		8.532					ND	
47 Propionitrile	54		8.605					ND	
48 Methacrylonitrile	41		8.775					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.872					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.140					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.292					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.432					ND	
150 Isooctane	57		9.560					ND	
58 Tert-amyl methyl ether	73		9.596					ND	
57 Benzene	78		9.596					ND	
60 1,2-Dichloroethane	62		9.621					ND	
59 n-Heptane	43		9.712					ND	
1 1,4-Difluorobenzene	114		9.973					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.332					ND	
62 Trichloroethene	95		10.351					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.630					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.789					ND	
69 Dibromomethane	93		10.850					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.263					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.646	11.634	0.012	95	7606		0.5977	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.231					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	
83 2-Hexanone	43	12.735	12.723	0.012	97	7994		0.9125	
82 1,3-Dichloropropane	76		12.748					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
156 n-Butyl acetate	43		12.808					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.289					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.879					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.634					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.938					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.327					ND	
97 1,1,2,2-Tetrachloroethane	83		15.504					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
100 Bromobenzene	156		15.595					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.796					ND	
104 3-Chlorotoluene	126	15.795	15.862	-0.067	64	296		NC	
106 tert-Butylbenzene	134		16.240					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	95	10801		0.2227	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.830	16.878	-0.048	44	15226		NC	
148 Benzyl chloride	126		17.012					ND	
115 n-Butylbenzene	91		17.176					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.811	19.811	0.000	97	28316		0.7907	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	91	3794		0.2589	
147 2-Methylnaphthalene	142	21.642	21.642	0.000	89	6413		3.19	
155 Ethylene oxide TIC	1		0.000					ND	
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 141 Pentachloroethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

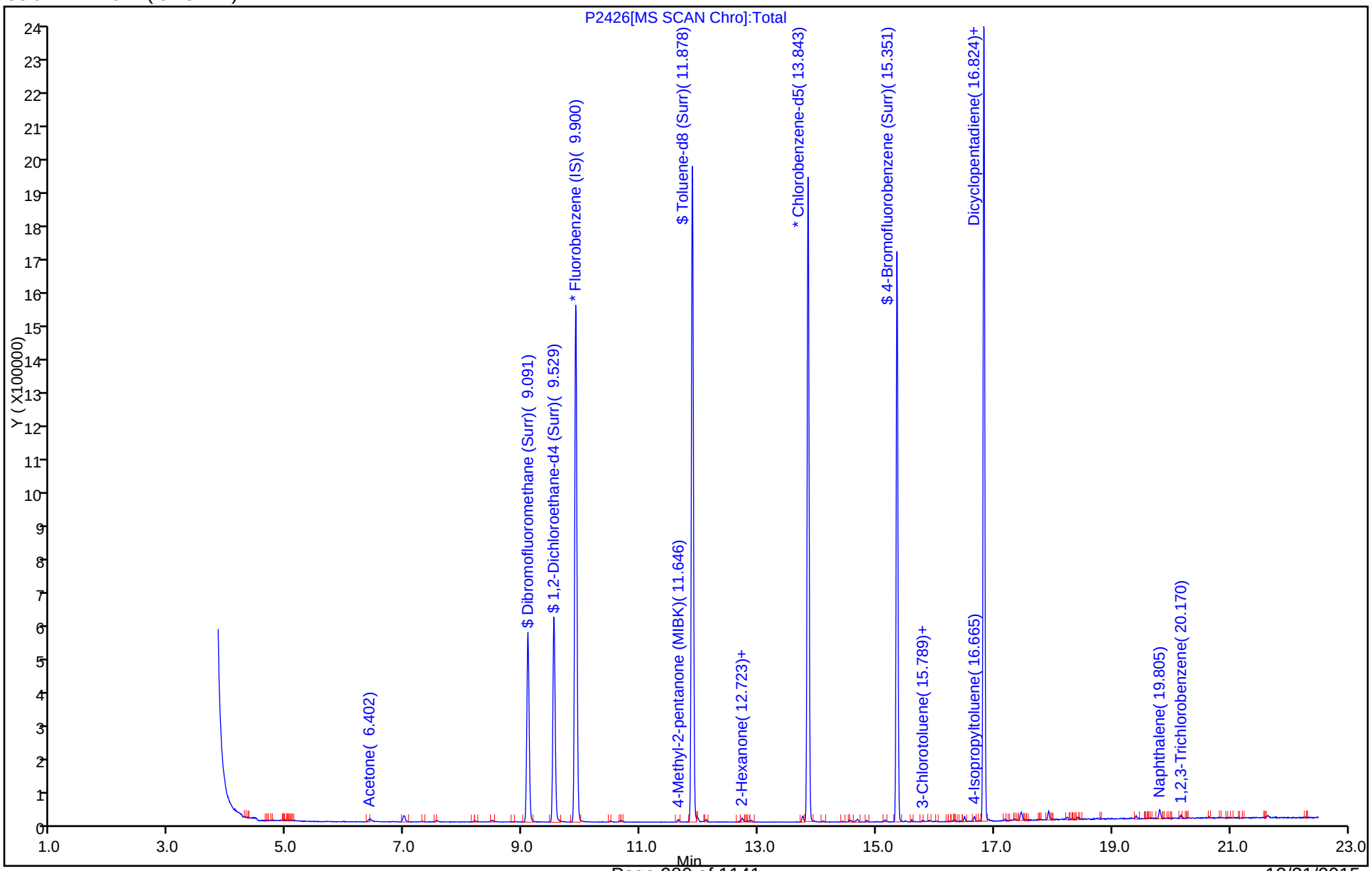
Report Date: 17-Dec-2015 00:24:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2426.D

Injection Date:	16-Dec-2015 22:49:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	MB 480-280183/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



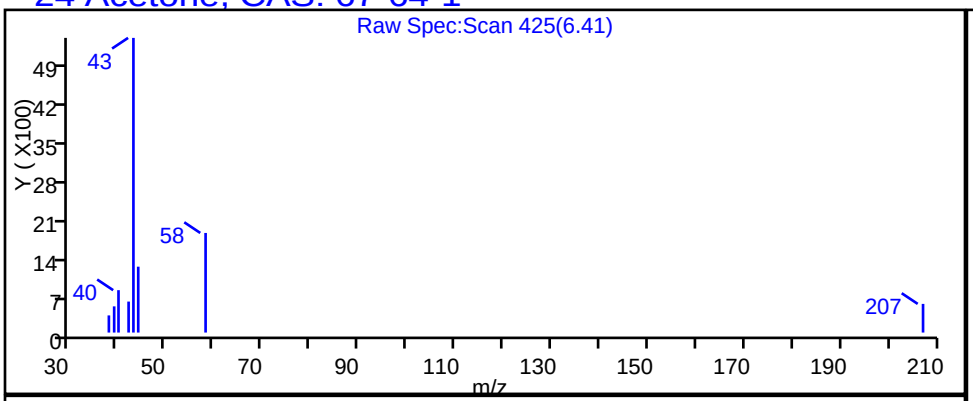
Report Date: 17-Dec-2015 00:24:00 Chrom Revision: 2.2 02-Dec-2015 11:51:48

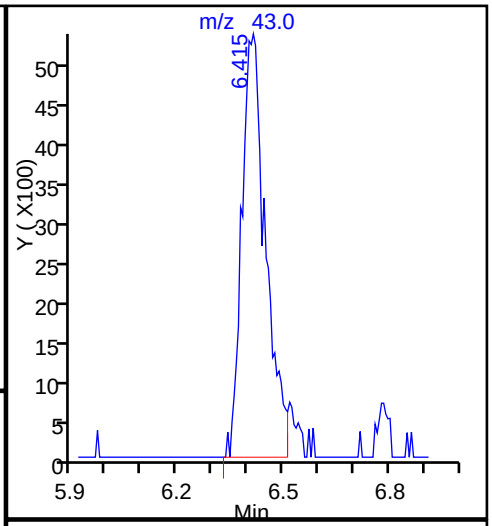
TestAmerica Buffalo

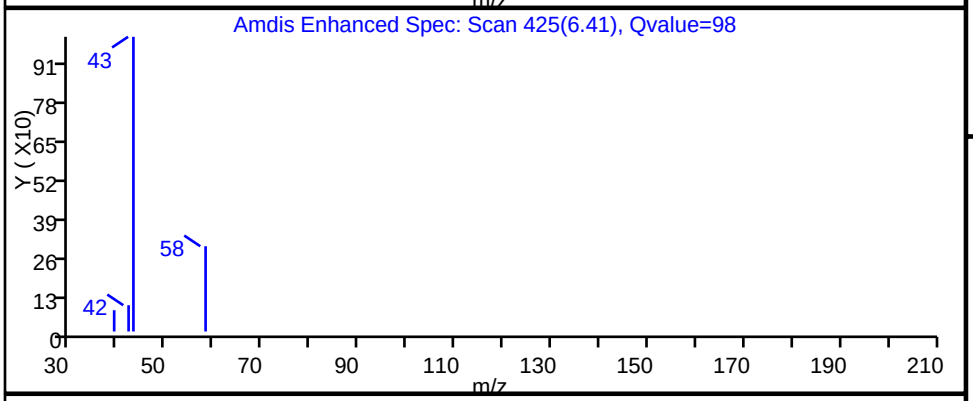
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2426.D

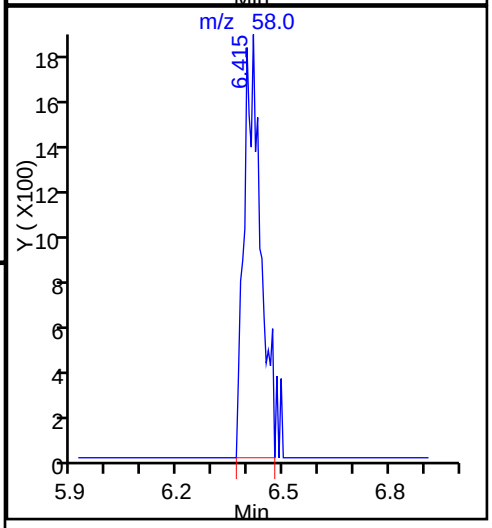
Injection Date:	16-Dec-2015 22:49:30	Instrument ID:	HP5973P		
Lims ID:	MB 480-280183/2-A				
Client ID:					
Operator ID:	NMD	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

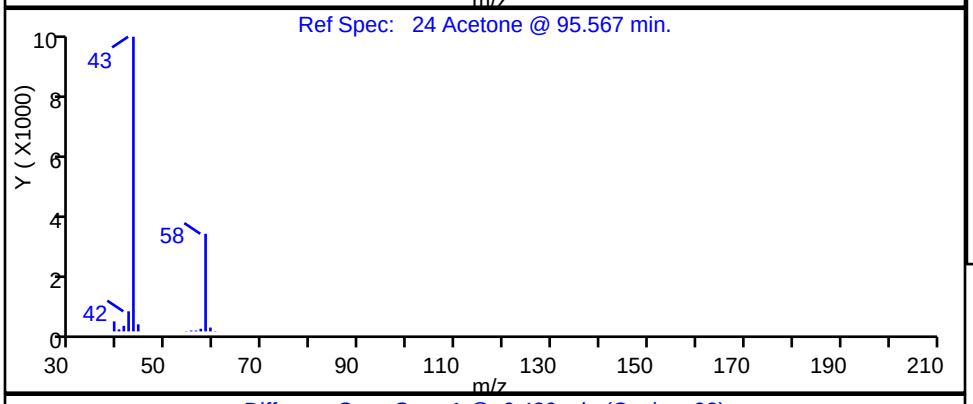
24 Acetone, CAS: 67-64-1

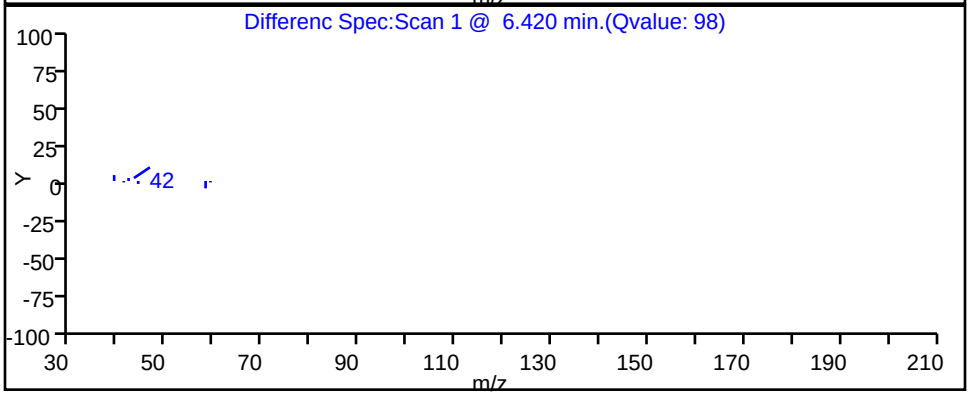












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280604/7

Matrix: Water | Lab File ID: Q7765.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/19/2015 01:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280604 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	0.306	J	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280604/7

Matrix: Water | Lab File ID: Q7765.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/19/2015 01:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280604 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	97		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7765.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 19-Dec-2015 01:14:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0049402-007
Operator ID: GF Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 23:30:57 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 19-Dec-2015 01:58:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.118	5.118	0.000	99	93440	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.406	7.405	0.001	85	176122	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.279	9.279	0.000	93	206414	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.644	4.643	0.001	94	128988	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.893	4.893	0.000	0	72386	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	6.286	6.286	0.000	92	427237	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr	174	8.337	8.342	-0.005	96	148520	25.0	24.0	
10 Dichlorodifluoromethane	85		1.439					ND	
11 Chlorodifluoromethane	51		1.462					ND	
12 Chloromethane	50		1.621					ND	
13 Vinyl chloride	62		1.718					ND	
144 Butadiene	54		1.749					ND	
14 Bromomethane	94		2.047					ND	
15 Chloroethane	64		2.132					ND	
17 Trichlorofluoromethane	101		2.315					ND	
16 Dichlorofluoromethane	67		2.351					ND	
141 Ethanol	45		2.581					ND	
18 Ethyl ether	59		2.595					ND	
20 Acrolein	56		2.747					ND	
22 1,1-Dichloroethene	96		2.801					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.826					ND	
23 Acetone	43		2.887					ND	
25 Iodomethane	142		2.941					ND	
26 Carbon disulfide	76	2.989	2.984	0.005	97	5136		0.3063	
24 Isopropyl alcohol	45		3.037					ND	
28 3-Chloro-1-propene	41		3.130					ND	
29 Acetonitrile	40		3.153					ND	
27 Methyl acetate	43		3.160					ND	
30 Methylene Chloride	84		3.252					ND	
31 2-Methyl-2-propanol	59		3.379					ND	
32 Methyl tert-butyl ether	73		3.446					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96		3.458					ND	
33 Acrylonitrile	53		3.477					ND	
35 Hexane	57		3.647					ND	
39 1,1-Dichloroethane	63		3.811					ND	
36 Isopropyl ether	45		3.828					ND	
37 Vinyl acetate	43		3.848					ND	
40 2-Chloro-1,3-butadiene	53		3.865					ND	
38 1,1-Dimethoxyethane	75		3.878					ND	
41 Tert-butyl ethyl ether	59		4.114					ND	
44 2,2-Dichloropropane	77		4.249					ND	
45 cis-1,2-Dichloroethene	96		4.267					ND	
43 2-Butanone (MEK)	43		4.280					ND	
42 Ethyl acetate	43		4.315					ND	
46 Propionitrile	54		4.351					ND	
47 Methacrylonitrile	41		4.455					ND	
48 Chlorobromomethane	128		4.462					ND	
49 Tetrahydrofuran	42		4.480					ND	
50 Chloroform	83		4.517					ND	
51 1,1,1-Trichloroethane	97		4.632					ND	
52 Cyclohexane	56		4.651					ND	
55 Carbon tetrachloride	117		4.748					ND	
54 1,1-Dichloropropene	75		4.754					ND	
53 Isobutyl alcohol	43		4.870					ND	
57 Benzene	78		4.912					ND	
146 Isooctane	57		4.923					ND	
140 t-Amyl alcohol	59		4.929					ND	
58 1,2-Dichloroethane	62		4.949					ND	
56 Tert-amyl methyl ether	73		4.972					ND	
59 n-Heptane	43	5.064	5.058	0.006	81	1140		0.1289	
1 1,4-Difluorobenzene	114		5.197					ND	
60 n-Butanol	56		5.355					ND	
62 Trichloroethene	95		5.393					ND	
145 Ethyl acrylate	55		5.459					ND	
64 Methylcyclohexane	83		5.502					ND	
65 1,2-Dichloropropane	63		5.569					ND	
63 Methyl methacrylate	41		5.629					ND	
66 1,4-Dioxane	88		5.667					ND	
67 Dibromomethane	93		5.673					ND	
68 Dichlorobromomethane	83		5.782					ND	
70 2-Nitropropane	43		5.957					ND	
69 2-Chloroethyl vinyl ether	63		5.983					ND	
71 Epichlorohydrin	57		6.056					ND	
77 trans-1,3-Dichloropropene	75		6.105					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.202					ND	
74 Toluene	92		6.342					ND	
76 2-Methylthiophene	97		6.441					ND	
72 cis-1,3-Dichloropropene	75		6.524					ND	
75 Ethyl methacrylate	69		6.555					ND	
78 3-Methylthiophene	97		6.569					ND	
79 1,1,2-Trichloroethane	83		6.670					ND	
81 Tetrachloroethene	166		6.756					ND	
82 1,3-Dichloropropane	76		6.798					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 2-Hexanone	43		6.835					ND	
149 n-Butyl acetate	43		6.913					ND	
83 Chlorodibromomethane	129		6.981					ND	
84 Ethylene Dibromide	107		7.072					ND	
139 1-Chlorohexane	55		7.375					ND	
85 3-Chlorobenzotrifluoride	180		7.381					ND	
86 4-Chlorobenzotrifluoride	180		7.430					ND	
87 Chlorobenzene	112		7.431					ND	
89 1,1,1,2-Tetrachloroethane	131		7.498					ND	
88 Ethylbenzene	91		7.498					ND	
90 m-Xylene & p-Xylene	106		7.583					ND	
91 o-Xylene	106		7.905					ND	
92 Styrene	104		7.924					ND	
95 Bromoform	173		8.106					ND	
93 2-Chlorobenzotrifluoride	180		8.117					ND	
94 Isopropylbenzene	105		8.185					ND	
96 Cyclohexanone	55		8.312					ND	
101 Bromobenzene	156		8.465					ND	
97 1,1,2,2-Tetrachloroethane	83		8.471					ND	
100 1,2,3-Trichloropropane	110		8.508					ND	
98 trans-1,4-Dichloro-2-buten	53		8.508					ND	
99 N-Propylbenzene	91		8.520					ND	
103 2-Chlorotoluene	126		8.611					ND	
102 1,3,5-Trimethylbenzene	105		8.654					ND	
104 3-Chlorotoluene	126		8.659					ND	
105 4-Chlorotoluene	126		8.696					ND	
106 tert-Butylbenzene	134		8.921					ND	
107 1,2,4-Trimethylbenzene	105		8.964					ND	
108 Pentachloroethane	167		8.975					ND	
109 sec-Butylbenzene	105		9.098					ND	
110 4-Isopropyltoluene	119		9.213					ND	
111 1,3-Dichlorobenzene	146		9.225					ND	
114 Dicyclopentadiene	66		9.297					ND	
113 1,4-Dichlorobenzene	146		9.298					ND	
112 1,2,3-Trimethylbenzene	105		9.322					ND	
143 Benzyl chloride	126		9.413					ND	
115 n-Butylbenzene	91	9.553	9.554	-0.001	92	2557		0.1345	
116 1,2-Dichlorobenzene	146		9.609					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.266					ND	
118 1,3,5-Trichlorobenzene	180		10.411					ND	
119 1,2,4-Trichlorobenzene	180		10.929					ND	
120 Hexachlorobutadiene	225		11.044					ND	
121 Naphthalene	128		11.136					ND	
122 1,2,3-Trichlorobenzene	180		11.330					ND	
142 2-Methylnaphthalene	142		11.998					ND	
132 Halothane	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 127 Ethanol TIC	45		2.280					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 134 Pentachloroethane TIC	1		0.000					ND	
T 136 Propene oxide TIC	1		0.000					ND	
T 133 bis(chloromethyl)ether TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 138 Ethylene oxide TIC	1		0.000					ND	
T 137 1-Bromopropane TIC	1		0.000					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	

Reagents:

Q_8260_IS_00108	Amount Added:	1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added:	1.25	Units: uL	Run Reagent

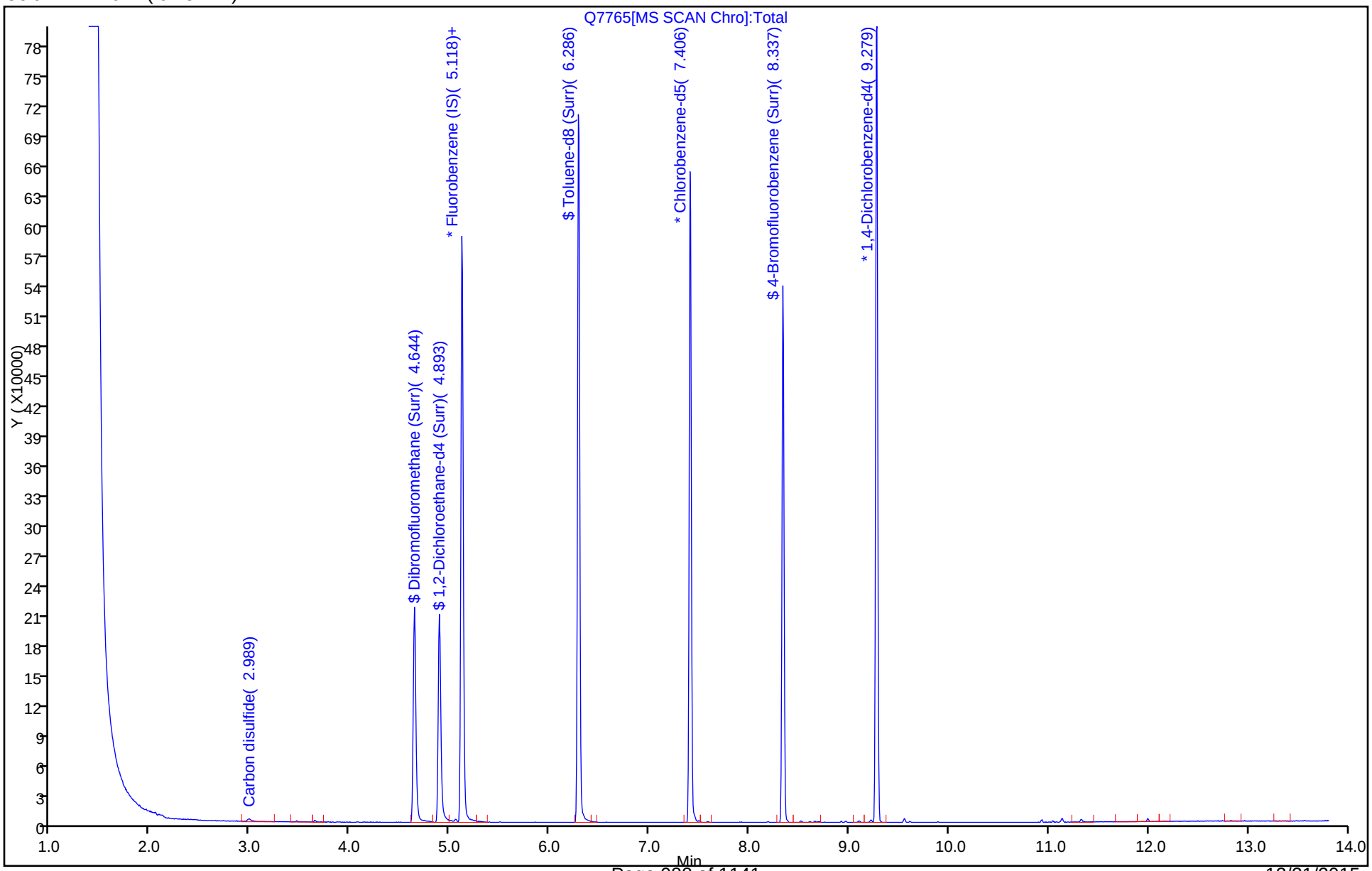
Report Date: 19-Dec-2015 01:58:49 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7765.D

Injection Date:	19-Dec-2015 01:14:30	Instrument ID:	HP5973Q	Operator ID:	GF
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Report Date: 19-Dec-2015 01:58:49 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7765.D

Injection Date: 19-Dec-2015 01:14:30 Instrument ID: HP5973Q

Lims ID: MB

Client ID:

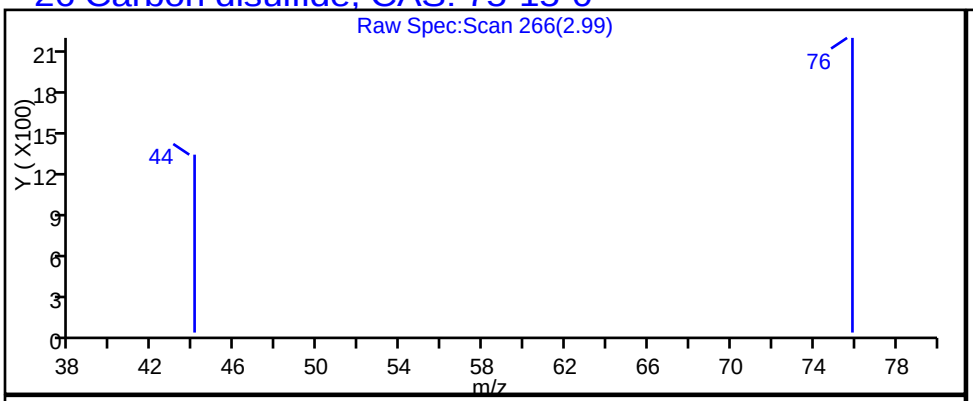
Operator ID: GF ALS Bottle#: 6 Worklist Smp#: 7

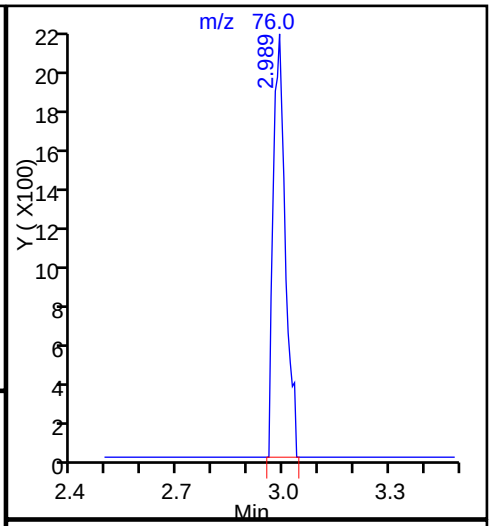
Purge Vol: 5.000 mL Dil. Factor: 1.0000

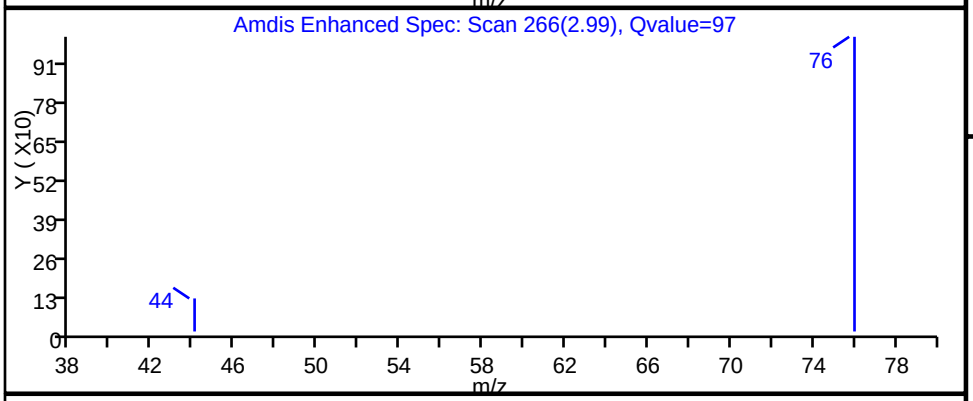
Method: Q-8260 Limit Group: MV - 8260C ICAL

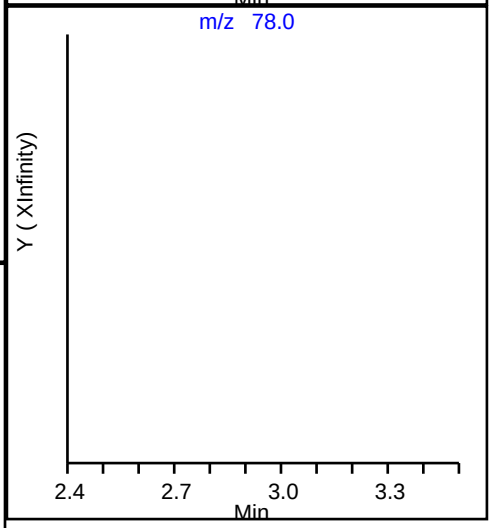
Column: ZB-624 (0.25 mm) Detector MS SCAN

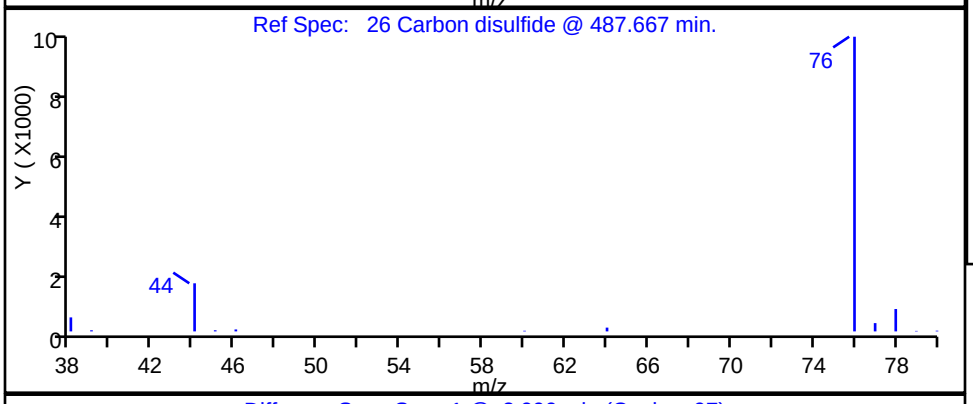
26 Carbon disulfide, CAS: 75-15-0

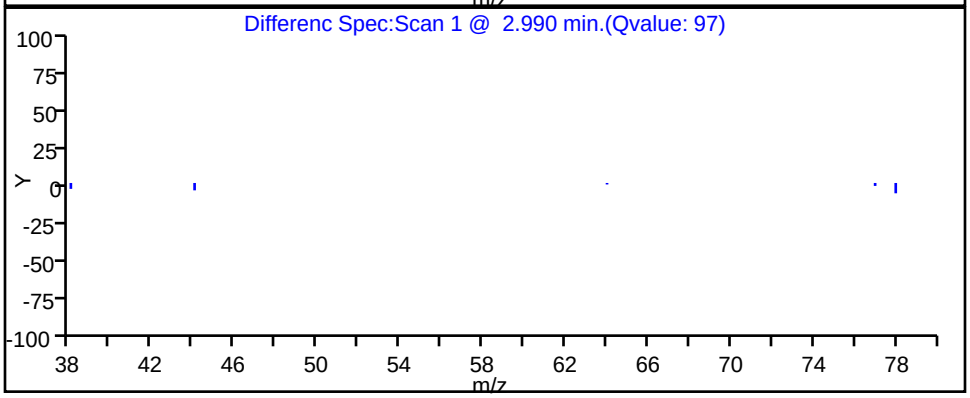












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280619/3-A

Matrix: Solid | Lab File ID: S6309.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 12/19/2015 01:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280605 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
79-00-5	1,1,2-Trichloroethane	ND		100	21
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	35
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
106-93-4	1,2-Dibromoethane	ND		100	17
95-50-1	1,2-Dichlorobenzene	ND		100	25
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-27-4	Bromodichloromethane	ND		100	20
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	45
56-23-5	Carbon tetrachloride	ND		100	25
108-90-7	Chlorobenzene	ND		100	13
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	68
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	28
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
110-82-7	Cyclohexane	ND		100	22
124-48-1	Dibromochloromethane	ND		100	48
75-71-8	Dichlorodifluoromethane	ND		100	44
100-41-4	Ethylbenzene	ND		100	29
98-82-8	Isopropylbenzene	ND		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280619/3-A

Matrix: Solid | Lab File ID: S6309.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 12/19/2015 01:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280605 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	48
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
100-42-5	Styrene	ND		100	24
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
75-69-4	Trichlorofluoromethane	ND		100	47
75-01-4	Vinyl chloride	ND		100	33
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6309.D
Lims ID: MB 480-280619/3-A
Client ID:
Sample Type: MB
Inject. Date: 19-Dec-2015 01:36:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB ML
Misc. Info.: 480-0049403-008
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 02:01:32 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 19-Dec-2015 02:01:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	105808	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	212088	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	201271	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	55	105077	27.2	21.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	85306	27.2	26.0	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	513367	27.2	27.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	158419	27.2	26.4	
10 Dichlorodifluoromethane	85		1.243					ND	
11 Chlorodifluoromethane	51		1.273					ND	
12 Chloromethane	50		1.407					ND	
13 Vinyl chloride	62		1.504					ND	
151 Butadiene	54		1.529					ND	
14 Bromomethane	94		1.790					ND	
15 Chloroethane	64		1.882					ND	
17 Trichlorofluoromethane	101		2.101					ND	
16 Dichlorofluoromethane	67		2.107					ND	
148 Ethanol	45		2.411					ND	
18 Ethyl ether	59		2.423					ND	
19 Propene oxide	58		2.491					ND	
20 Acrolein	56		2.587					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.630					ND	
22 1,1-Dichloroethene	96		2.642					ND	
23 Acetone	43		2.758					ND	
25 Iodomethane	142		2.806					ND	
26 Carbon disulfide	76		2.831					ND	
24 Isopropyl alcohol	45		2.922					ND	
28 3-Chloro-1-propene	41		2.989					ND	
29 Acetonitrile	40		3.025					ND	
27 Methyl acetate	43		3.050					ND	
30 Methylene Chloride	84		3.153					ND	
31 2-Methyl-2-propanol	59		3.336					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.372					ND	
34 trans-1,2-Dichloroethene	96		3.372					ND	
33 Acrylonitrile	53		3.409					ND	
35 Hexane	57		3.585					ND	
39 1,1-Dichloroethane	63		3.786					ND	
139 Halothane	117		3.822					ND	
36 Isopropyl ether	45		3.822					ND	
37 Vinyl acetate	43		3.841					ND	
40 2-Chloro-1,3-butadiene	53		3.853					ND	
38 1,1-Dimethoxyethane	75		3.885					ND	
41 Tert-butyl ethyl ether	59		4.163					ND	
44 2,2-Dichloropropane	77		4.309					ND	
45 cis-1,2-Dichloroethene	96		4.339					ND	
43 2-Butanone (MEK)	43		4.376					ND	
42 Ethyl acetate	43		4.413					ND	
46 Propionitrile	54		4.455					ND	
48 Chlorobromomethane	128		4.571					ND	
47 Methacrylonitrile	41		4.577					ND	
49 Tetrahydrofuran	42		4.607					ND	
50 Chloroform	83		4.650					ND	
51 1,1,1-Trichloroethane	97		4.777					ND	
52 Cyclohexane	56		4.796					ND	
55 Carbon tetrachloride	117		4.923					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
54 1,1-Dichloropropene	75		4.930					ND	
57 Benzene	78		5.130					ND	
53 Isobutyl alcohol	43		5.149					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.161					ND	
58 1,2-Dichloroethane	62		5.185					ND	
147 t-Amyl alcohol	59		5.191					ND	
56 Tert-amyl methyl ether	73		5.222					ND	
59 n-Heptane	43		5.337					ND	
1 1,4-Difluorobenzene	114		5.514					ND	
62 Trichloroethene	95		5.745					ND	
60 n-Butanol	56		5.751					ND	
142 Ethyl acrylate	55		5.867					ND	
64 Methylcyclohexane	83		5.879					ND	
65 1,2-Dichloropropane	63		5.976					ND	
63 Methyl methacrylate	41		6.079					ND	
67 Dibromomethane	93		6.104					ND	
66 1,4-Dioxane	88		6.122					ND	
68 Dichlorobromomethane	83		6.262					ND	
70 2-Nitropropane	43		6.499					ND	
69 2-Chloroethyl vinyl ether	63		6.542					ND	
71 Epichlorohydrin	57		6.625					ND	
72 cis-1,3-Dichloropropene	75		6.682					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828					ND	
74 Toluene	92		6.980					ND	
76 2-Methylthiophene	97		7.114					ND	
77 trans-1,3-Dichloropropene	75		7.247					ND	
78 3-Methylthiophene	97		7.278					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.308					ND	
79 1,1,2-Trichloroethane	83		7.430					ND	
81 Tetrachloroethene	166		7.521					ND	
82 1,3-Dichloropropane	76		7.594					ND	
80 2-Hexanone	43		7.667					ND	
155 n-Butyl acetate	43		7.783					ND	
83 Chlorodibromomethane	129		7.831					ND	
84 Ethylene Dibromide	107		7.935					ND	
146 1-Chlorohexane	55		8.385					ND	
85 3-Chlorobenzotrifluoride	180		8.397					ND	
87 Chlorobenzene	112		8.421					ND	
86 4-Chlorobenzotrifluoride	180		8.458					ND	
88 Ethylbenzene	91		8.519					ND	
89 1,1,1,2-Tetrachloroethane	131		8.519					ND	
90 m-Xylene & p-Xylene	106		8.647					ND	
91 o-Xylene	106		9.066					ND	
92 Styrene	104		9.097					ND	
95 Bromoform	173		9.328					ND	
93 2-Chlorobenzotrifluoride	180		9.371					ND	
94 Isopropylbenzene	105		9.456					ND	
96 Cyclohexanone	55		9.602					ND	
101 Bromobenzene	156		9.790					ND	
97 1,1,2,2-Tetrachloroethane	83		9.833					ND	
100 1,2,3-Trichloropropane	110		9.863					ND	
99 N-Propylbenzene	91		9.882					ND	
98 trans-1,4-Dichloro-2-buten	53		9.882					ND	
103 2-Chlorotoluene	126		9.985					ND	
104 3-Chlorotoluene	126		10.046					ND	
102 1,3,5-Trimethylbenzene	105		10.064					ND	
105 4-Chlorotoluene	126		10.094					ND	
106 tert-Butylbenzene	134		10.380					ND	
108 Pentachloroethane	167		10.429					ND	
107 1,2,4-Trimethylbenzene	105		10.435					ND	
109 sec-Butylbenzene	105		10.593					ND	
111 1,3-Dichlorobenzene	146		10.721					ND	
110 4-Isopropyltoluene	119		10.733					ND	
114 Dicyclopentadiene	66		10.794					ND	
113 1,4-Dichlorobenzene	146		10.806					ND	
112 1,2,3-Trimethylbenzene	105		10.843					ND	
150 Benzyl chloride	126		10.946					ND	
115 n-Butylbenzene	91		11.117					ND	
116 1,2-Dichlorobenzene	146		11.153					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877					ND	
118 1,3,5-Trichlorobenzene	180		12.029					ND	
119 1,2,4-Trichlorobenzene	180		12.564					ND	
120 Hexachlorobutadiene	225		12.686					ND	
121 Naphthalene	128		12.771					ND	
122 1,2,3-Trichlorobenzene	180		12.972					ND	
149 2-Methylnaphthalene	142		13.684					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 7 Ethylene oxide	44		1.528					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

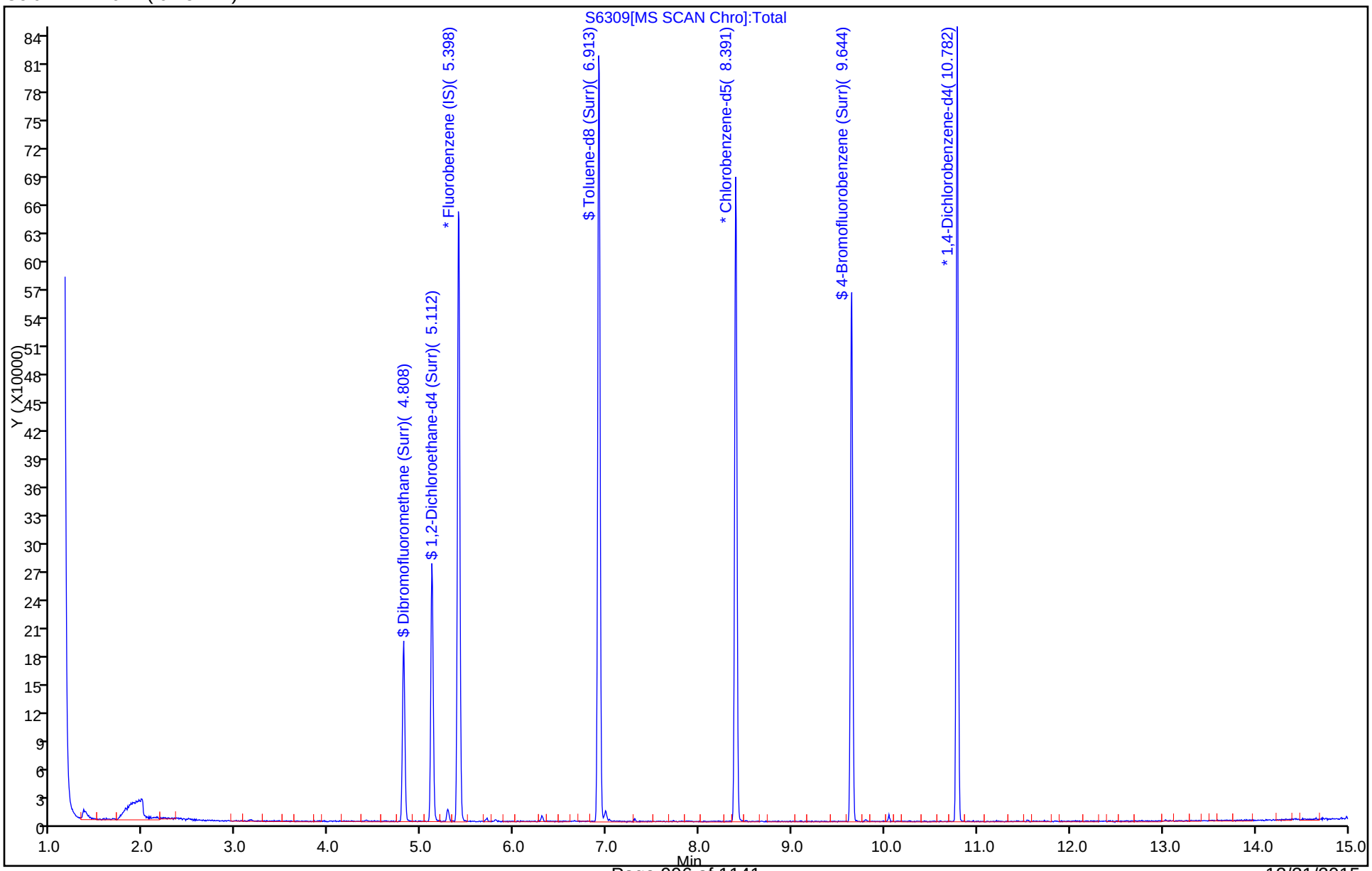
Report Date: 19-Dec-2015 02:01:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6309.D

Injection Date:	19-Dec-2015 01:36:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	MB 480-280619/3-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-281171/2-A

Matrix: Solid | Lab File ID: S6485.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/22/2015 22:56

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
79-00-5	1,1,2-Trichloroethane	ND		100	21
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	35
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
106-93-4	1,2-Dibromoethane	ND		100	18
95-50-1	1,2-Dichlorobenzene	ND		100	26
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	210
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-27-4	Bromodichloromethane	ND		100	20
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	46
56-23-5	Carbon tetrachloride	ND		100	26
108-90-7	Chlorobenzene	ND		100	13
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	69
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	28
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
110-82-7	Cyclohexane	ND		100	22
124-48-1	Dibromochloromethane	ND		100	48
75-71-8	Dichlorodifluoromethane	ND		100	44
100-41-4	Ethylbenzene	ND		100	29
98-82-8	Isopropylbenzene	ND		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-281171/2-A

Matrix: Solid | Lab File ID: S6485.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/22/2015 22:56

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	48
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
100-42-5	Styrene	ND		100	24
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
75-69-4	Trichlorofluoromethane	ND		100	47
75-01-4	Vinyl chloride	ND		100	34
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	98		49-148
2037-26-5	Toluene-d8 (Surr)	103		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6485.D
Lims ID: MB 480-281171/2-A
Client ID:
Sample Type: MB
Inject. Date: 22-Dec-2015 22:56:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-281171/2-A
Misc. Info.: 480-0049505-008
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 10:21:07 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 22-Dec-2015 23:18:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	98	115250	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	231382	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	97	215029	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	56	123129	27.2	23.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	92383	27.2	25.8	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	85	570655	27.2	28.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	173709	27.2	26.6	
10 Dichlorodifluoromethane	85		1.249					ND	
11 Chlorodifluoromethane	51		1.273					ND	
12 Chloromethane	50		1.407					ND	
13 Vinyl chloride	62		1.511					ND	
151 Butadiene	54		1.541					ND	
14 Bromomethane	94		1.821					ND	
15 Chloroethane	64		1.924					ND	
16 Dichlorofluoromethane	67		2.137					ND	
17 Trichlorofluoromethane	101		2.149					ND	
148 Ethanol	45		2.411					ND	
18 Ethyl ether	59		2.423					ND	
19 Propene oxide	58		2.491					ND	
20 Acrolein	56		2.581					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.660					ND	
22 1,1-Dichloroethene	96		2.667					ND	
23 Acetone	43		2.740					ND	
25 Iodomethane	142		2.819					ND	
26 Carbon disulfide	76		2.855					ND	
24 Isopropyl alcohol	45		2.928					ND	
28 3-Chloro-1-propene	41		3.001					ND	
29 Acetonitrile	40		3.025					ND	
27 Methyl acetate	43		3.044					ND	
30 Methylene Chloride	84		3.171					ND	
31 2-Methyl-2-propanol	59		3.299					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.372					ND	
34 trans-1,2-Dichloroethene	96		3.378					ND	
33 Acrylonitrile	53		3.409					ND	
35 Hexane	57		3.597					ND	
39 1,1-Dichloroethane	63		3.792					ND	
139 Halothane	117		3.822					ND	
36 Isopropyl ether	45		3.828					ND	
37 Vinyl acetate	43		3.847					ND	
40 2-Chloro-1,3-butadiene	53		3.859					ND	
38 1,1-Dimethoxyethane	75		3.885					ND	
41 Tert-butyl ethyl ether	59		4.163					ND	
44 2,2-Dichloropropane	77		4.321					ND	
45 cis-1,2-Dichloroethene	96		4.346					ND	
43 2-Butanone (MEK)	43		4.370					ND	
42 Ethyl acetate	43		4.419					ND	
46 Propionitrile	54		4.455					ND	
47 Methacrylonitrile	41		4.577					ND	
48 Chlorobromomethane	128		4.577					ND	
49 Tetrahydrofuran	42		4.607					ND	
50 Chloroform	83		4.656					ND	
51 1,1,1-Trichloroethane	97		4.784					ND	
52 Cyclohexane	56		4.808					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
55 Carbon tetrachloride	117		4.930					ND	
54 1,1-Dichloropropene	75		4.936					ND	
53 Isobutyl alcohol	43		5.130					ND	
57 Benzene	78		5.136					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.161					ND	
58 1,2-Dichloroethane	62		5.185					ND	
147 t-Amyl alcohol	59		5.191					ND	
56 Tert-amyl methyl ether	73		5.222					ND	
59 n-Heptane	43		5.343					ND	
1 1,4-Difluorobenzene	114		5.514					ND	
60 n-Butanol	56		5.751					ND	
62 Trichloroethene	95		5.751					ND	
142 Ethyl acrylate	55		5.866					ND	
64 Methylcyclohexane	83		5.885					ND	
65 1,2-Dichloropropane	63		5.976					ND	
63 Methyl methacrylate	41		6.085					ND	
67 Dibromomethane	93		6.110					ND	
66 1,4-Dioxane	88		6.122					ND	
68 Dichlorobromomethane	83		6.262					ND	
70 2-Nitropropane	43		6.499					ND	
69 2-Chloroethyl vinyl ether	63		6.548					ND	
71 Epichlorohydrin	57		6.625					ND	
72 cis-1,3-Dichloropropene	75		6.688					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828					ND	
74 Toluene	92		6.986					ND	
76 2-Methylthiophene	97		7.114					ND	
78 3-Methylthiophene	97		7.114					ND	
77 trans-1,3-Dichloropropene	75		7.247					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.308					ND	
79 1,1,2-Trichloroethane	83		7.436					ND	
81 Tetrachloroethene	166		7.521					ND	
82 1,3-Dichloropropane	76		7.594					ND	
80 2-Hexanone	43		7.667					ND	
155 n-Butyl acetate	43		7.789					ND	
83 Chlorodibromomethane	129		7.831					ND	
84 Ethylene Dibromide	107		7.935					ND	
146 1-Chlorohexane	55		8.385					ND	
85 3-Chlorobenzotrifluoride	180		8.397					ND	
87 Chlorobenzene	112		8.422					ND	
86 4-Chlorobenzotrifluoride	180		8.458					ND	
89 1,1,1,2-Tetrachloroethane	131		8.519					ND	
88 Ethylbenzene	91		8.525					ND	
90 m-Xylene & p-Xylene	106		8.647					ND	
91 o-Xylene	106		9.073					ND	
92 Styrene	104		9.097					ND	
95 Bromoform	173		9.328					ND	
93 2-Chlorobenzotrifluoride	180		9.371					ND	
94 Isopropylbenzene	105		9.456					ND	
96 Cyclohexanone	55		9.602					ND	
101 Bromobenzene	156		9.796					ND	
97 1,1,2,2-Tetrachloroethane	83		9.833					ND	
100 1,2,3-Trichloropropane	110		9.869					ND	
99 N-Propylbenzene	91		9.888					ND	
98 trans-1,4-Dichloro-2-buten	53		9.888					ND	
103 2-Chlorotoluene	126		9.985					ND	
104 3-Chlorotoluene	126		10.046					ND	
102 1,3,5-Trimethylbenzene	105		10.064					ND	
105 4-Chlorotoluene	126		10.095					ND	
106 tert-Butylbenzene	134		10.380					ND	
108 Pentachloroethane	167		10.429					ND	
107 1,2,4-Trimethylbenzene	105		10.435					ND	
109 sec-Butylbenzene	105		10.593					ND	
111 1,3-Dichlorobenzene	146		10.721					ND	
110 4-Isopropyltoluene	119		10.733					ND	
114 Dicyclopentadiene	66		10.800					ND	
113 1,4-Dichlorobenzene	146		10.806					ND	
112 1,2,3-Trimethylbenzene	105		10.843					ND	
150 Benzyl chloride	126		10.946					ND	
115 n-Butylbenzene	91		11.123					ND	
116 1,2-Dichlorobenzene	146		11.159					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877					ND	
118 1,3,5-Trichlorobenzene	180		12.029					ND	
119 1,2,4-Trichlorobenzene	180		12.564					ND	
120 Hexachlorobutadiene	225	12.680	12.686	-0.006	1	396		0.1115	
121 Naphthalene	128		12.771					ND	
122 1,2,3-Trichlorobenzene	180		12.972					ND	
149 2-Methylnaphthalene	142		13.684					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	44		1.528					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

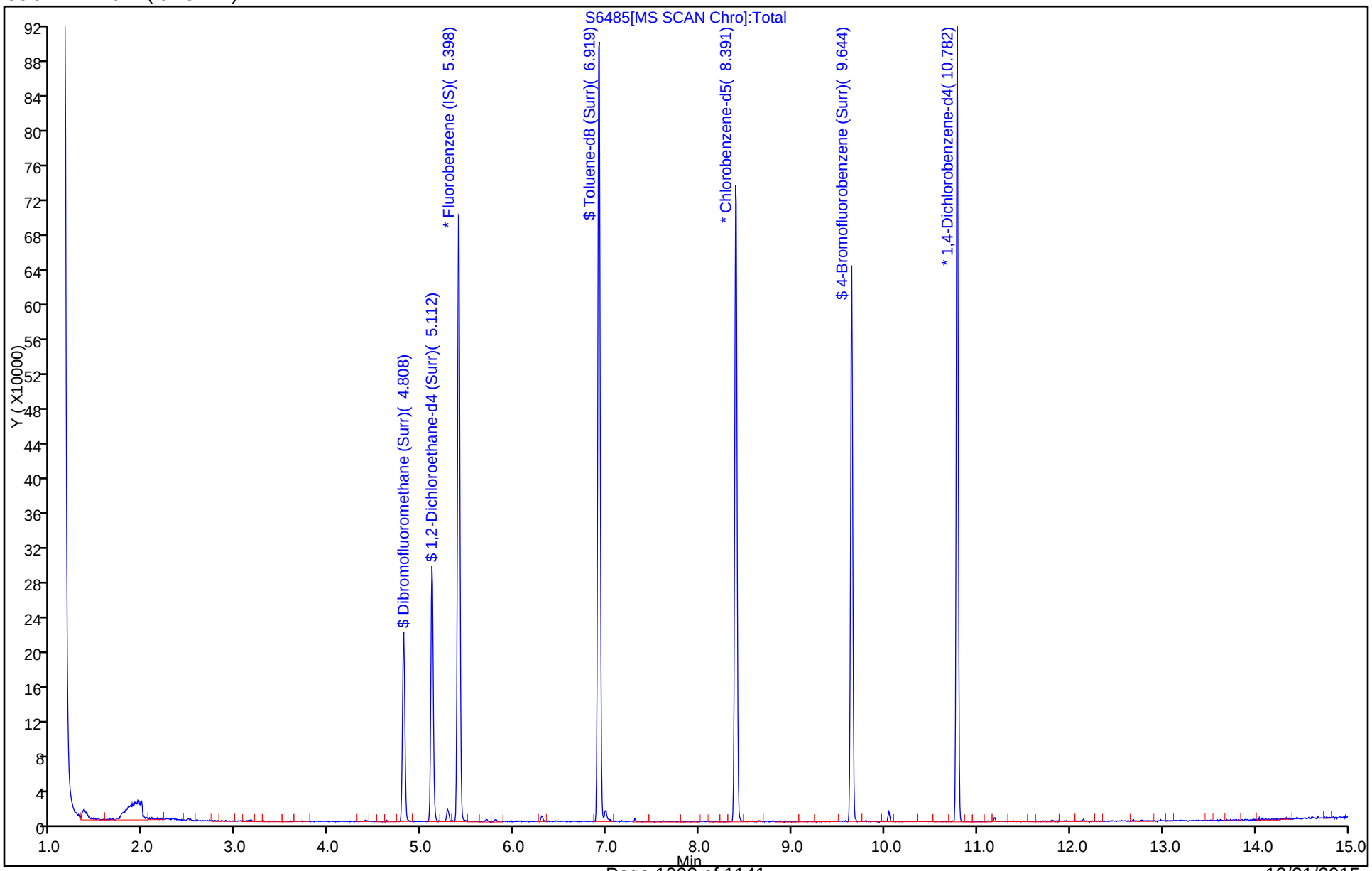
Report Date: 23-Dec-2015 10:21:08 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6485.D

Injection Date:	22-Dec-2015 22:56:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	MB 480-281171/2-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279590/1-A

Matrix: Solid | Lab File ID: P2322.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/14/2015 11:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279534 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50.7		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	49.4		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	47.2		5.0	1.1
79-00-5	1,1,2-Trichloroethane	49.0		5.0	0.65
75-34-3	1,1-Dichloroethane	46.3		5.0	0.61
75-35-4	1,1-Dichloroethene	45.7		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	48.9		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	49.0		5.0	2.5
106-93-4	1,2-Dibromoethane	48.3		5.0	0.64
95-50-1	1,2-Dichlorobenzene	46.7		5.0	0.39
107-06-2	1,2-Dichloroethane	44.0		5.0	0.25
78-87-5	1,2-Dichloropropane	44.2		5.0	2.5
541-73-1	1,3-Dichlorobenzene	46.7		5.0	0.26
106-46-7	1,4-Dichlorobenzene	41.0		5.0	0.70
78-93-3	2-Butanone (MEK)	427		25	1.8
591-78-6	2-Hexanone	253		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	254		25	1.6
67-64-1	Acetone	270		25	4.2
71-43-2	Benzene	44.2		5.0	0.24
75-27-4	Bromodichloromethane	47.4		5.0	0.67
75-25-2	Bromoform	51.0		5.0	2.5
74-83-9	Bromomethane	54.4		5.0	0.45
75-15-0	Carbon disulfide	47.5		5.0	2.5
56-23-5	Carbon tetrachloride	51.2		5.0	0.48
108-90-7	Chlorobenzene	46.5		5.0	0.66
75-00-3	Chloroethane	51.8		5.0	1.1
67-66-3	Chloroform	44.4		5.0	0.31
74-87-3	Chloromethane	59.0		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	45.7		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	49.2		5.0	0.72
110-82-7	Cyclohexane	49.0		5.0	0.70
124-48-1	Dibromochloromethane	50.7		5.0	0.64
75-71-8	Dichlorodifluoromethane	62.9		5.0	0.41
100-41-4	Ethylbenzene	48.2		5.0	0.34
98-82-8	Isopropylbenzene	49.2		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279590/1-A

Matrix: Solid | Lab File ID: P2322.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/14/2015 11:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279534 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	240		5.0	3.0
1634-04-4	Methyl tert-butyl ether	46.8		5.0	0.49
108-87-2	Methylcyclohexane	49.6		5.0	0.76
75-09-2	Methylene Chloride	49.8		5.0	2.3
100-42-5	Styrene	48.4		5.0	0.25
127-18-4	Tetrachloroethene	51.0		5.0	0.67
108-88-3	Toluene	45.2		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	46.6		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	50.0		5.0	2.2
79-01-6	Trichloroethene	45.8		5.0	1.1
75-69-4	Trichlorofluoromethane	59.0		5.0	0.47
75-01-4	Vinyl chloride	58.4		5.0	0.61
1330-20-7	Xylenes, Total	96.2		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	101		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2322.D
Lims ID: LCS 480-279590/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Dec-2015 11:15:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279590/1-A
Misc. Info.: 480-0049193-006
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 15:43:31 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: cwiklinc Date: 14-Dec-2015 13:28:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.900	0.006	98	330336	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	667238	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	96	627989	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	93	427515	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	278485	50.0	54.5	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	93	1514083	50.0	51.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	91	510895	50.0	50.3	
10 Dichlorodifluoromethane	85	4.042	4.042	0.000	99	664127	50.0	63.2	
15 Chlorodifluoromethane	51	4.060	4.060	0.000	97	565001	50.0	63.8	
11 Chloromethane	50	4.352	4.346	0.006	99	557776	50.0	59.3	
17 Vinyl chloride	62	4.589	4.577	0.012	98	436814	50.0	58.7	
149 Butadiene	54	4.602	4.596	0.006	96	439669	50.0	64.3	
12 Bromomethane	94	5.137	5.131	0.006	94	234277	50.0	54.7	
13 Chloroethane	64	5.259	5.259	0.000	97	244748	50.0	52.1	
19 Dichlorofluoromethane	67	5.575	5.563	0.012	98	826197	50.0	50.6	
14 Trichlorofluoromethane	101	5.690	5.678	0.012	99	783589	50.0	59.4	
146 Ethanol	45	5.970	5.849	0.121	99	610996	2000.0	4726.5	M
20 Ethyl ether	59	5.970	5.964	0.006	98	441320	50.0	47.2	
22 Acrolein	56	6.232	6.220	0.012	98	466282	250.0	232.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.323	6.311	0.012	94	523322	50.0	47.5	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	506274	50.0	45.9	
24 Acetone	43	6.402	6.396	0.006	98	1027058	250.0	271.3	
23 Isopropyl alcohol	45	6.506	6.506	0.000	37	331858	500.0	451.5	
18 Iodomethane	142	6.640	6.634	0.006	99	778192	50.0	46.2	
30 Methyl acetate	43	6.779	6.767	0.012	100	2096212	250.0	241.7	
27 Carbon disulfide	76	6.786	6.780	0.006	99	1631986	50.0	47.8	
29 Acetonitrile	40	6.816	6.804	0.012	77	442174	500.0	579.8	
28 3-Chloro-1-propene	41	6.816	6.810	0.006	92	1422770	50.0	78.0	
31 Methylene Chloride	84	6.992	6.993	0.000	94	482510	50.0	50.1	
33 2-Methyl-2-propanol	59	7.011	6.999	0.012	98	569036	500.0	462.5	
32 Methyl tert-butyl ether	73	7.236	7.230	0.006	99	1383573	50.0	47.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53	7.278	7.272	0.006	97	1865816	500.0	470.2	
35 trans-1,2-Dichloroethene	96	7.315	7.303	0.012	93	435943	50.0	46.9	
36 Hexane	57	7.540	7.534	0.006	95	844391	50.0	46.4	
37 Isopropyl ether	45	7.753	7.747	0.006	86	1947860	50.0	47.7	
38 Vinyl acetate	43	7.777	7.771	0.006	96	3216027	100.0	144.2	
40 1,1-Dichloroethane	63	7.838	7.832	0.006	96	963077	50.0	46.6	
41 2-Chloro-1,3-butadiene	53	7.923	7.917	0.006	95	957283	50.0	52.1	
42 Tert-butyl ethyl ether	59	8.197	8.185	0.012	99	1678899	50.0	48.6	
46 Ethyl acetate	43	8.477	8.471	0.006	99	2394755	100.0	220.7	
44 2-Butanone (MEK)	43	8.477	8.471	0.006	98	2397801	250.0	429.4	
43 cis-1,2-Dichloroethene	96	8.538	8.526	0.012	86	463268	50.0	45.9	
45 2,2-Dichloropropane	77	8.538	8.532	0.006	88	680695	50.0	48.2	
47 Propionitrile	54	8.611	8.605	0.006	98	729906	500.0	482.3	
48 Methacrylonitrile	41	8.775	8.775	0.000	97	3085088	500.0	480.7	
50 Chlorobromomethane	128	8.848	8.842	0.006	90	206941	50.0	42.9	
51 Tetrahydrofuran	42	8.878	8.866	0.012	96	335408	100.0	92.3	
49 Chloroform	83	8.890	8.885	0.006	96	794099	50.0	44.6	
52 1,1,1-Trichloroethane	97	9.152	9.146	0.006	98	603659	50.0	51.0	
54 Cyclohexane	56	9.225	9.219	0.006	95	1041102	50.0	49.3	
53 Isobutyl alcohol	43	9.298	9.292	0.006	98	635087	1250.0	1185.6	
56 1,1-Dichloropropene	75	9.322	9.316	0.006	91	635187	50.0	48.7	
55 Carbon tetrachloride	117	9.359	9.353	0.006	97	678893	50.0	51.5	
145 t-Amyl alcohol	59	9.438	9.426	0.012	94	467970	500.0	531.3	
150 Isooctane	57	9.560	9.554	0.006	98	2233853	50.0	52.1	
58 Tert-amyl methyl ether	73	9.596	9.590	0.006	90	1267703	50.0	48.3	
57 Benzene	78	9.602	9.596	0.006	96	1619504	50.0	44.5	
60 1,2-Dichloroethane	62	9.627	9.621	0.006	97	727188	50.0	44.2	
59 n-Heptane	43	9.724	9.718	0.006	98	902794	50.0	46.9	
1 1,4-Difluorobenzene	114	9.973	9.967	0.006	96	1349993	50.0	49.7	
61 n-Butanol	56	10.095	10.089	0.006	93	334362	1250.0	1292.1	
136 Ethyl acrylate	55	10.332	10.326	0.006	99	697290	50.0	33.5	
62 Trichloroethene	95	10.357	10.351	0.006	94	454929	50.0	46.1	
64 Methylcyclohexane	83	10.594	10.588	0.006	99	843199	50.0	49.9	
65 Methyl methacrylate	41	10.630	10.630	0.000	91	1771219	100.0	179.7	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	84	470618	50.0	44.5	
68 1,4-Dioxane	88	10.789	10.777	0.012	97	70067	1000.0	854.7	
69 Dibromomethane	93	10.862	10.856	0.006	95	270477	50.0	46.4	
70 Dichlorobromomethane	83	10.995	10.989	0.006	98	632551	50.0	47.7	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	91	225389	50.0	115.3	
72 2-Nitropropane	43	11.263	11.263	0.000	96	538401	100.0	208.3	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	91	761144	50.0	49.5	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	2822309	250.0	255.3	
76 Toluene	92	11.975	11.969	0.006	97	1077507	50.0	45.5	
77 Ethyl methacrylate	69	12.200	12.194	0.006	94	536133	50.0	51.8	
78 trans-1,3-Dichloropropene	75	12.236	12.230	0.006	98	684896	50.0	50.3	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	94	320244	50.0	49.3	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	466377	50.0	51.3	
83 2-Hexanone	43	12.729	12.723	0.006	99	1937167	250.0	254.6	
82 1,3-Dichloropropane	76	12.754	12.754	0.000	96	625638	50.0	47.5	
156 n-Butyl acetate	43	12.814	12.808	0.006	97	884622	50.0	47.0	
81 Chlorodibromomethane	129	13.094	13.094	0.000	91	452937	50.0	51.0	
85 Ethylene Dibromide	107	13.295	13.289	0.006	98	412651	50.0	48.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
84 3-Chlorobenzotrifluoride	180	13.684	13.684	0.000	93	713136	NC	NC	
144 1-Chlorohexane	55	13.703	13.703	0.000	89	571098	50.0	50.4	
86 4-Chlorobenzotrifluoride	180	13.757	13.757	0.000	97	620423	NC	NC	
87 Chlorobenzene	112	13.885	13.879	0.006	93	1206488	50.0	46.7	
89 Ethylbenzene	91	13.952	13.946	0.006	99	1992261	50.0	48.5	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.964	0.006	93	423870	50.0	48.4	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	850174	50.0	48.8	
93 o-Xylene	106	14.639	14.633	0.006	98	839311	50.0	47.9	
94 Styrene	104	14.658	14.652	0.006	92	1320603	50.0	48.7	
91 2-Chlorobenzotrifluoride	180	14.938	14.938	0.000	97	706000	NC	NC	
92 Bromoform	173	15.011	15.011	-0.001	95	286479	50.0	51.3	
95 Isopropylbenzene	105	15.077	15.078	-0.001	97	2202198	50.0	49.5	
96 Cyclohexanone	55	15.327	15.327	0.000	95	171731	500.0	494.6	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	523297	50.0	49.7	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	86	220456	50.0	52.9	
100 Bromobenzene	156	15.601	15.595	0.006	94	507641	50.0	46.0	
101 1,2,3-Trichloropropane	110	15.601	15.595	0.006	66	146583	50.0	47.2	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2421015	50.0	49.3	
103 2-Chlorotoluene	126	15.801	15.795	0.006	93	461382	50.0	46.6	
102 1,3,5-Trimethylbenzene	105	15.801	15.802	-0.001	93	1820000	50.0	48.5	
104 3-Chlorotoluene	126	15.868	15.862	0.006	98	533707	NC	NC	
105 4-Chlorotoluene	126	15.929	15.923	0.006	99	505415	50.0	47.6	
106 tert-Butylbenzene	134	16.239	16.240	-0.001	94	391530	50.0	49.4	
107 1,2,4-Trimethylbenzene	105	16.306	16.300	0.006	97	1941877	50.0	48.8	
108 Pentachloroethane	167	16.355	16.355	0.000	90	294011	50.0	68.6	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2513224	50.0	51.3	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2071317	50.0	51.0	
110 1,3-Dichlorobenzene	146	16.757	16.751	0.005	96	994148	50.0	47.0	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	91	845608	50.0	41.3	
113 1,2,3-Trimethylbenzene	105	16.860	16.860	0.000	99	1755535	50.0	46.9	
114 Dicyclopentadiene	66	16.884	16.878	0.006	98	1682049	NC	NC	
148 Benzyl chloride	126	17.012	17.012	0.000	99	218913	50.0	71.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1961489	50.0	50.6	
116 1,2-Dichlorobenzene	146	17.347	17.347	0.000	95	994224	50.0	47.0	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	113612	50.0	49.3	
118 1,3,5-Trichlorobenzene	180	18.539	18.539	0.000	96	831916	50.0	55.8	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	730933	50.0	49.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	426391	50.0	49.1	
121 Naphthalene	128	19.810	19.811	-0.001	98	1636465	50.0	51.5	
122 1,2,3-Trichlorobenzene	180	20.169	20.170	-0.001	95	641123	50.0	49.3	
147 2-Methylnaphthalene	142	21.642	21.642	0.000	95	842120	50.0	59.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

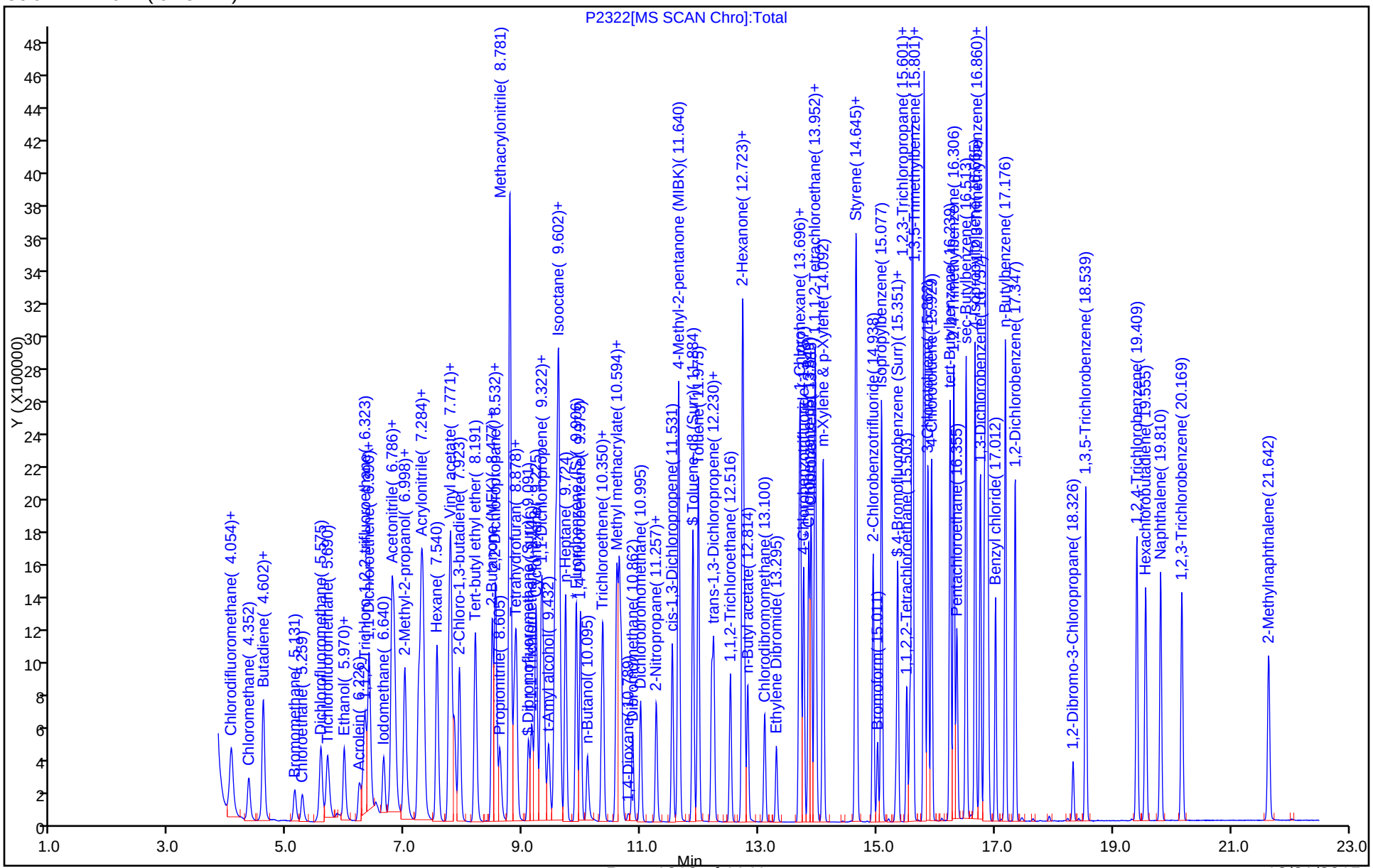
Report Date: 14-Dec-2015 15:43:32 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49193.b\P2322.D

Injection Date:	14-Dec-2015 11:15:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	LCS 480-279590/1-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279710/1-A

Matrix: Solid | Lab File ID: P2348.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/15/2015 00:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	44.0		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	41.4		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40.9		5.0	1.1
79-00-5	1,1,2-Trichloroethane	41.6		5.0	0.65
75-34-3	1,1-Dichloroethane	40.9		5.0	0.61
75-35-4	1,1-Dichloroethene	40.4		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	40.6		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	39.2		5.0	2.5
106-93-4	1,2-Dibromoethane	41.2		5.0	0.64
95-50-1	1,2-Dichlorobenzene	40.0		5.0	0.39
107-06-2	1,2-Dichloroethane	40.1		5.0	0.25
78-87-5	1,2-Dichloropropane	41.0		5.0	2.5
541-73-1	1,3-Dichlorobenzene	40.3		5.0	0.26
106-46-7	1,4-Dichlorobenzene	39.5		5.0	0.70
78-93-3	2-Butanone (MEK)	214		25	1.8
591-78-6	2-Hexanone	216		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	213		25	1.6
67-64-1	Acetone	222		25	4.2
71-43-2	Benzene	41.8		5.0	0.25
75-27-4	Bromodichloromethane	41.6		5.0	0.67
75-25-2	Bromoform	43.9		5.0	2.5
74-83-9	Bromomethane	45.6		5.0	0.45
75-15-0	Carbon disulfide	41.7		5.0	2.5
56-23-5	Carbon tetrachloride	45.0		5.0	0.48
108-90-7	Chlorobenzene	40.5		5.0	0.66
75-00-3	Chloroethane	47.6		5.0	1.1
67-66-3	Chloroform	41.0		5.0	0.31
74-87-3	Chloromethane	48.3		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	41.2		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	42.7		5.0	0.72
110-82-7	Cyclohexane	42.7		5.0	0.70
124-48-1	Dibromochloromethane	43.6		5.0	0.64
75-71-8	Dichlorodifluoromethane	52.6		5.0	0.41
100-41-4	Ethylbenzene	41.7		5.0	0.35
98-82-8	Isopropylbenzene	42.9		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279710/1-A

Matrix: Solid | Lab File ID: P2348.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/15/2015 00:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279691 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	203		5.0	3.0
1634-04-4	Methyl tert-butyl ether	40.9		5.0	0.49
108-87-2	Methylcyclohexane	43.4		5.0	0.76
75-09-2	Methylene Chloride	43.5		5.0	2.3
100-42-5	Styrene	40.9		5.0	0.25
127-18-4	Tetrachloroethene	41.9		5.0	0.67
108-88-3	Toluene	38.1		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	41.1		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	42.9		5.0	2.2
79-01-6	Trichloroethene	41.1		5.0	1.1
75-69-4	Trichlorofluoromethane	49.2		5.0	0.47
75-01-4	Vinyl chloride	48.7		5.0	0.61
1330-20-7	Xylenes, Total	81.6		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2348.D
Lims ID: LCS 480-279710/1-A
Client ID:
Sample Type: LCS
Inject. Date: 15-Dec-2015 00:52:30 ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279710/1-A
Misc. Info.: 480-0049221-005
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 01:57:11 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: diasn Date: 15-Dec-2015 01:57:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.900	0.001	98	326550	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	678129	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	96	628240	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	93	427220	50.0	51.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	265350	50.0	52.6	
$ 5 Toluene-d8 (Surr)	98	11.884	11.884	0.000	93	1488144	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	15.358	15.351	0.007	89	508975	50.0	49.3	
10 Dichlorodifluoromethane	85	4.042	4.036	0.006	99	545794	50.0	52.6	
11 Chloromethane	50	4.346	4.340	0.006	99	448461	50.0	48.3	
17 Vinyl chloride	62	4.577	4.571	0.006	97	357934	50.0	48.7	
149 Butadiene	54	4.596	4.596	0.000	97	357217	50.0	52.9	
12 Bromomethane	94	5.125	5.125	0.000	93	193029	50.0	45.6	
13 Chloroethane	64	5.259	5.253	0.006	96	220862	50.0	47.6	
19 Dichlorofluoromethane	67	5.563	5.557	0.006	98	675447	50.0	41.9	
14 Trichlorofluoromethane	101	5.679	5.672	0.007	98	641851	50.0	49.2	
20 Ethyl ether	59	5.964	5.964	0.000	98	384091	50.0	41.5	
22 Acrolein	56	6.226	6.220	0.006	99	399130	250.0	201.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.317	6.305	0.012	94	445044	50.0	40.9	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	439797	50.0	40.4	
24 Acetone	43	6.402	6.396	0.006	98	828948	250.0	221.5	
18 Iodomethane	142	6.634	6.627	0.007	99	678695	50.0	40.8	
30 Methyl acetate	43	6.774	6.767	0.007	99	1744769	250.0	203.5	
27 Carbon disulfide	76	6.786	6.773	0.013	100	1405935	50.0	41.7	
28 3-Chloro-1-propene	41	6.816	6.810	0.006	89	770362	50.0	42.7	
31 Methylene Chloride	84	6.993	6.986	0.007	94	417249	50.0	43.5	
33 2-Methyl-2-propanol	59	7.011	7.005	0.006	97	497757	500.0	409.3	
32 Methyl tert-butyl ether	73	7.236	7.224	0.012	99	1187548	50.0	40.9	
34 Acrylonitrile	53	7.279	7.272	0.007	97	1634522	500.0	416.7	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	93	377654	50.0	41.1	
36 Hexane	57	7.540	7.534	0.006	95	718423	50.0	39.9	
38 Vinyl acetate	43	7.783	7.771	0.012	97	2058894	100.0	93.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.838	7.826	0.012	97	835635	50.0	40.9	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	1182899	250.0	214.3	
43 cis-1,2-Dichloroethene	96	8.532	8.526	0.006	87	410943	50.0	41.2	
45 2,2-Dichloropropane	77	8.538	8.532	0.006	89	597278	50.0	42.7	
50 Chlorobromomethane	128	8.848	8.842	0.006	91	195201	50.0	40.9	
51 Tetrahydrofuran	42	8.872	8.866	0.006	92	290674	100.0	80.9	
49 Chloroform	83	8.885	8.878	0.007	96	720270	50.0	41.0	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	98	514844	50.0	44.0	
54 Cyclohexane	56	9.225	9.213	0.012	95	891380	50.0	42.7	
53 Isobutyl alcohol	43	9.298	9.286	0.012	97	560329	1250.0	1058.2	
56 1,1-Dichloropropene	75	9.323	9.310	0.013	91	557285	50.0	43.2	
55 Carbon tetrachloride	117	9.359	9.353	0.006	97	587056	50.0	45.0	
57 Benzene	78	9.602	9.596	0.006	98	1504038	50.0	41.8	
60 1,2-Dichloroethane	62	9.627	9.621	0.006	96	651358	50.0	40.1	
59 n-Heptane	43	9.718	9.718	0.000	97	809318	50.0	42.5	
62 Trichloroethene	95	10.357	10.351	0.006	94	400903	50.0	41.1	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	725763	50.0	43.4	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	428159	50.0	41.0	
68 1,4-Dioxane	88	10.789	10.783	0.006	98	68030	1000.0	816.5	
69 Dibromomethane	93	10.856	10.849	0.007	96	239419	50.0	41.5	
70 Dichlorobromomethane	83	10.996	10.989	0.007	98	546163	50.0	41.6	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	91	186607	50.0	96.6	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	648039	50.0	42.7	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	2398083	250.0	213.4	
76 Toluene	92	11.975	11.969	0.006	97	917188	50.0	38.1	
77 Ethyl methacrylate	69	12.200	12.194	0.006	94	451268	50.0	42.9	
78 trans-1,3-Dichloropropene	75	12.237	12.230	0.007	95	593155	50.0	42.9	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	274928	50.0	41.6	
80 Tetrachloroethene	166	12.717	12.717	0.000	94	387762	50.0	41.9	
83 2-Hexanone	43	12.729	12.723	0.006	98	1669402	250.0	215.8	
82 1,3-Dichloropropane	76	12.754	12.754	0.000	99	547923	50.0	40.9	
81 Chlorodibromomethane	129	13.101	13.094	0.006	90	393374	50.0	43.6	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	355928	50.0	41.2	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1063099	50.0	40.5	
89 Ethylbenzene	91	13.952	13.946	0.006	99	1742117	50.0	41.7	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	374671	50.0	42.1	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	722976	50.0	40.9	
93 o-Xylene	106	14.640	14.633	0.007	97	724134	50.0	40.7	
94 Styrene	104	14.658	14.652	0.006	94	1128493	50.0	40.9	
92 Bromoform	173	15.017	15.011	0.006	96	249527	50.0	43.9	
95 Isopropylbenzene	105	15.078	15.078	0.000	96	1909510	50.0	42.9	
97 1,1,2,2-Tetrachloroethane	83	15.504	15.503	0.001	96	436546	50.0	41.4	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	88	175739	50.0	42.2	
101 1,2,3-Trichloropropane	110	15.601	15.595	0.006	76	123387	50.0	39.7	
100 Bromobenzene	156	15.601	15.595	0.006	94	437915	50.0	39.7	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2095627	50.0	42.7	
103 2-Chlorotoluene	126	15.802	15.795	0.007	93	403877	50.0	40.8	
102 1,3,5-Trimethylbenzene	105	15.802	15.801	0.001	93	1545061	50.0	41.2	
105 4-Chlorotoluene	126	15.929	15.923	0.006	99	436392	50.0	41.1	
106 tert-Butylbenzene	134	16.246	16.239	0.007	94	334733	50.0	42.2	
107 1,2,4-Trimethylbenzene	105	16.307	16.300	0.007	97	1655561	50.0	41.6	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2125244	50.0	43.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1729603	50.0	42.5	
110 1,3-Dichlorobenzene	146	16.757	16.751	0.006	96	852578	50.0	40.3	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	808603	50.0	39.5	
115 n-Butylbenzene	91	17.177	17.176	0.000	98	1653027	50.0	42.7	
116 1,2-Dichlorobenzene	146	17.347	17.347	0.000	95	845707	50.0	40.0	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.320	0.006	82	90261	50.0	39.2	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	604286	50.0	40.6	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	346424	50.0	40.4	
121 Naphthalene	128	19.811	19.811	0.000	98	1319023	50.0	42.0	
122 1,2,3-Trichlorobenzene	180	20.170	20.169	0.001	95	520487	50.0	40.5	

Reagents:

P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00155	Amount Added:	1.00	Units: uL	Run Reagent

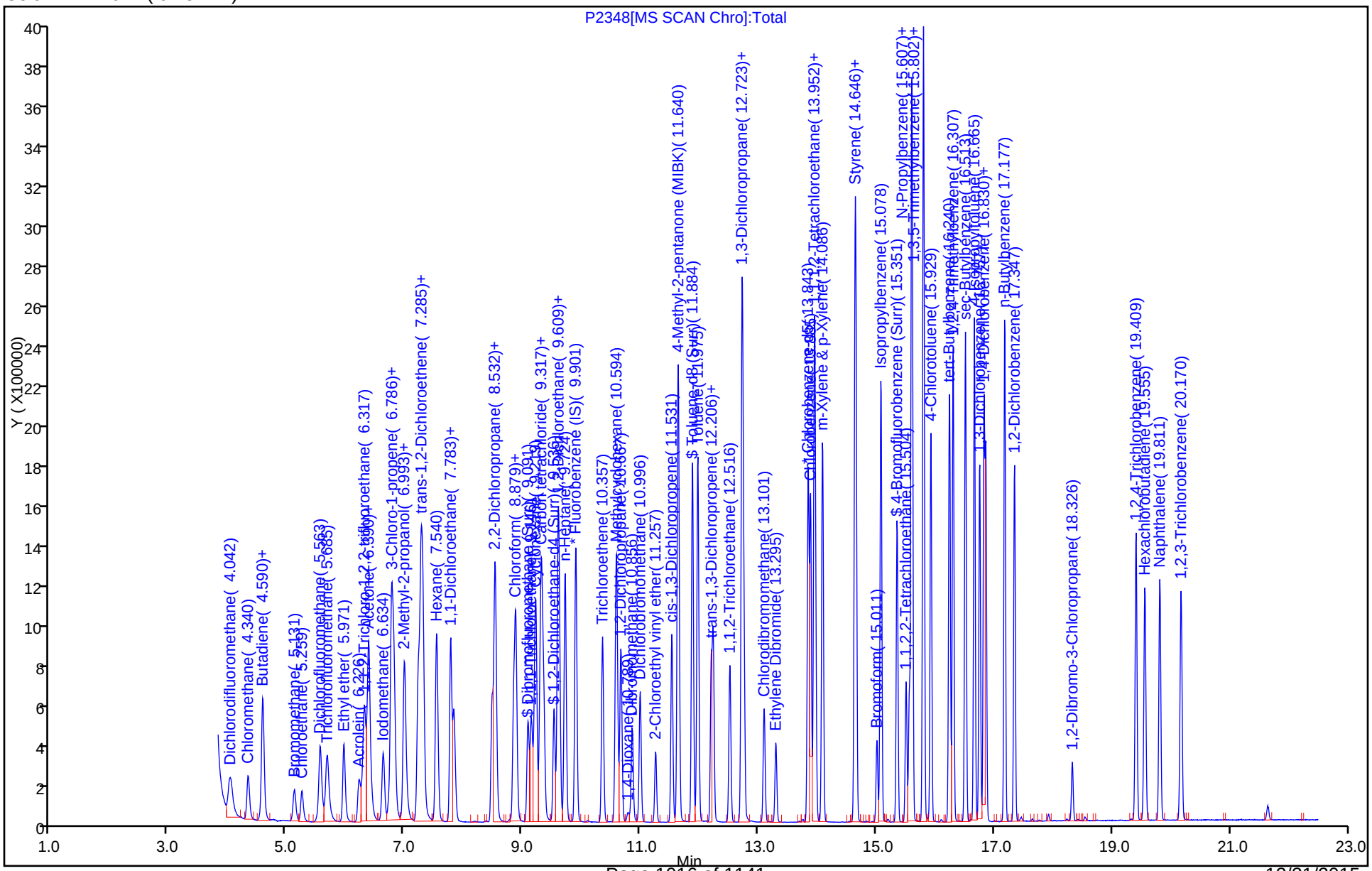
Report Date: 15-Dec-2015 01:57:12 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151214-49221.b\P2348.D

Injection Date:	15-Dec-2015 00:52:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	LCS 480-279710/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279840/1-A

Matrix: Solid | Lab File ID: P2374.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.08(g) | Date Analyzed: 12/15/2015 13:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	48.6		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	45.8		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	45.0		4.9	1.1
79-00-5	1,1,2-Trichloroethane	45.5		4.9	0.64
75-34-3	1,1-Dichloroethane	43.9		4.9	0.60
75-35-4	1,1-Dichloroethene	42.7		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	46.4		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	44.3		4.9	2.5
106-93-4	1,2-Dibromoethane	44.8		4.9	0.63
95-50-1	1,2-Dichlorobenzene	45.0		4.9	0.38
107-06-2	1,2-Dichloroethane	44.0		4.9	0.25
78-87-5	1,2-Dichloropropane	44.8		4.9	2.5
541-73-1	1,3-Dichlorobenzene	44.7		4.9	0.25
106-46-7	1,4-Dichlorobenzene	43.6		4.9	0.69
78-93-3	2-Butanone (MEK)	227		25	1.8
591-78-6	2-Hexanone	230		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	229		25	1.6
67-64-1	Acetone	240		25	4.1
71-43-2	Benzene	45.0		4.9	0.24
75-27-4	Bromodichloromethane	46.0		4.9	0.66
75-25-2	Bromoform	49.0		4.9	2.5
74-83-9	Bromomethane	47.6		4.9	0.44
75-15-0	Carbon disulfide	44.7		4.9	2.5
56-23-5	Carbon tetrachloride	49.3		4.9	0.48
108-90-7	Chlorobenzene	45.2		4.9	0.65
75-00-3	Chloroethane	49.7		4.9	1.1
67-66-3	Chloroform	44.4		4.9	0.30
74-87-3	Chloromethane	52.1		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	44.6		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	46.7		4.9	0.71
110-82-7	Cyclohexane	45.9		4.9	0.69
124-48-1	Dibromochloromethane	48.7		4.9	0.63
75-71-8	Dichlorodifluoromethane	57.0		4.9	0.41
100-41-4	Ethylbenzene	45.7		4.9	0.34
98-82-8	Isopropylbenzene	47.1		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279840/1-A

Matrix: Solid | Lab File ID: P2374.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.08(g) | Date Analyzed: 12/15/2015 13:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	218		4.9	3.0
1634-04-4	Methyl tert-butyl ether	44.8		4.9	0.48
108-87-2	Methylcyclohexane	46.9		4.9	0.75
75-09-2	Methylene Chloride	47.7		4.9	2.3
100-42-5	Styrene	45.5		4.9	0.25
127-18-4	Tetrachloroethene	45.3		4.9	0.66
108-88-3	Toluene	42.0		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	43.6		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	47.9		4.9	2.2
79-01-6	Trichloroethene	44.4		4.9	1.1
75-69-4	Trichlorofluoromethane	54.1		4.9	0.47
75-01-4	Vinyl chloride	51.8		4.9	0.60
1330-20-7	Xylenes, Total	90.6		9.8	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2374.D
Lims ID: LCS 480-279840/1-A
Client ID:
Sample Type: LCS
Inject. Date: 15-Dec-2015 13:42:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279840/1-A
Misc. Info.: 480-0049245-004
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 15:25:36 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 15:25:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.894	0.012	98	386157	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.000	89	792835	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	96	737879	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.085	0.006	92	499765	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	310200	50.0	52.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.877	0.007	93	1752157	50.0	50.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	585842	50.0	48.5	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	99	711309	50.0	57.9	
11 Chloromethane	50	4.346	4.340	0.006	99	581383	50.0	52.9	
17 Vinyl chloride	62	4.583	4.571	0.012	98	457520	50.0	52.6	
149 Butadiene	54	4.595	4.589	0.006	96	464357	50.0	58.1	
12 Bromomethane	94	5.125	5.119	0.006	94	241980	50.0	48.4	
13 Chloroethane	64	5.259	5.246	0.013	96	277161	50.0	50.5	
19 Dichlorofluoromethane	67	5.563	5.551	0.012	98	888307	50.0	46.6	
14 Trichlorofluoromethane	101	5.678	5.666	0.012	98	848625	50.0	55.0	
20 Ethyl ether	59	5.970	5.958	0.012	98	497326	50.0	45.5	
22 Acrolein	56	6.226	6.220	0.006	98	500527	250.0	213.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	95	588649	50.0	45.7	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	559340	50.0	43.4	
24 Acetone	43	6.402	6.390	0.012	98	1080767	250.0	244.2	
18 Iodomethane	142	6.633	6.627	0.006	99	875519	50.0	44.5	
30 Methyl acetate	43	6.773	6.767	0.006	100	2248373	250.0	221.8	
27 Carbon disulfide	76	6.792	6.773	0.019	100	1814372	50.0	45.5	
28 3-Chloro-1-propene	41	6.816	6.804	0.012	88	977419	50.0	45.8	
31 Methylene Chloride	84	6.992	6.980	0.012	94	546025	50.0	48.4	
33 2-Methyl-2-propanol	59	7.011	6.998	0.013	98	656054	500.0	456.2	
32 Methyl tert-butyl ether	73	7.230	7.224	0.006	99	1563855	50.0	45.5	
34 Acrylonitrile	53	7.278	7.272	0.006	96	2071230	500.0	446.5	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	92	481656	50.0	44.3	
36 Hexane	57	7.540	7.528	0.012	95	928442	50.0	43.6	
38 Vinyl acetate	43	7.777	7.771	0.006	97	2628761	100.0	100.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	1078416	50.0	44.6	
44 2-Butanone (MEK)	43	8.477	8.471	0.006	98	1504544	250.0	230.5	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	87	534063	50.0	45.3	
45 2,2-Dichloropropane	77	8.532	8.525	0.007	90	773364	50.0	46.8	
50 Chlorobromomethane	128	8.848	8.836	0.012	91	255670	50.0	45.3	
51 Tetrahydrofuran	42	8.872	8.866	0.006	92	371989	100.0	87.5	
49 Chloroform	83	8.884	8.878	0.006	96	938514	50.0	45.1	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	98	682996	50.0	49.4	
54 Cyclohexane	56	9.219	9.213	0.006	95	1150570	50.0	46.6	
53 Isobutyl alcohol	43	9.298	9.292	0.006	97	729343	1250.0	1164.8	
56 1,1-Dichloropropene	75	9.316	9.310	0.006	90	717261	50.0	47.0	
55 Carbon tetrachloride	117	9.353	9.347	0.006	96	772722	50.0	50.1	
57 Benzene	78	9.602	9.596	0.006	98	1948430	50.0	45.8	
60 1,2-Dichloroethane	62	9.627	9.620	0.007	97	860231	50.0	44.7	
59 n-Heptane	43	9.724	9.712	0.012	97	1054891	50.0	46.9	
62 Trichloroethene	95	10.351	10.350	0.001	94	519740	50.0	45.1	
64 Methylcyclohexane	83	10.588	10.588	0.000	99	941733	50.0	47.7	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	562099	50.0	45.5	
68 1,4-Dioxane	88	10.789	10.782	0.007	99	90696	1000.0	931.1	
69 Dibromomethane	93	10.855	10.849	0.006	96	312632	50.0	45.8	
70 Dichlorobromomethane	83	10.995	10.989	0.006	98	724436	50.0	46.7	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	243144	50.0	106.4	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	852145	50.0	47.4	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	3055614	250.0	232.6	
76 Toluene	92	11.969	11.969	0.000	97	1202576	50.0	42.7	
77 Ethyl methacrylate	69	12.200	12.194	0.006	95	589722	50.0	48.0	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	98	787272	50.0	48.7	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	356588	50.0	46.2	
80 Tetrachloroethene	166	12.717	12.711	0.006	92	497146	50.0	46.0	
83 2-Hexanone	43	12.723	12.723	0.000	97	2115755	250.0	234.0	
82 1,3-Dichloropropane	76	12.754	12.747	0.007	97	716691	50.0	45.8	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	522173	50.0	49.5	
85 Ethylene Dibromide	107	13.295	13.289	0.006	99	458847	50.0	45.5	
87 Chlorobenzene	112	13.885	13.879	0.006	93	1408383	50.0	45.9	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2265786	50.0	46.4	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	489315	50.0	47.0	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	958630	50.0	46.3	
93 o-Xylene	106	14.639	14.633	0.006	98	951508	50.0	45.7	
94 Styrene	104	14.658	14.652	0.006	95	1490773	50.0	46.3	
92 Bromoform	173	15.011	15.011	0.000	95	330864	50.0	49.8	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	2505131	50.0	47.9	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	575885	50.0	46.5	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.552	0.006	88	249962	50.0	51.0	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	75	160242	50.0	43.9	
100 Bromobenzene	156	15.601	15.595	0.006	95	579150	50.0	44.7	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2737190	50.0	47.5	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	527221	50.0	45.3	
102 1,3,5-Trimethylbenzene	105	15.801	15.801	0.000	93	2044991	50.0	46.4	
105 4-Chlorotoluene	126	15.929	15.923	0.006	99	579248	50.0	46.5	
106 tert-Butylbenzene	134	16.239	16.239	0.000	94	440702	50.0	47.3	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	2204514	50.0	47.2	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2812576	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2290769	50.0	48.0	
110 1,3-Dichlorobenzene	146	16.757	16.750	0.007	96	1129747	50.0	45.4	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	92	1065661	50.0	44.3	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2218870	50.0	48.8	
116 1,2-Dichlorobenzene	146	17.347	17.341	0.006	95	1136000	50.0	45.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	121641	50.0	45.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.403	0.006	94	823628	50.0	47.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	489453	50.0	48.2	
121 Naphthalene	128	19.810	19.810	0.000	98	1805772	50.0	48.6	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	94	722134	50.0	47.5	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

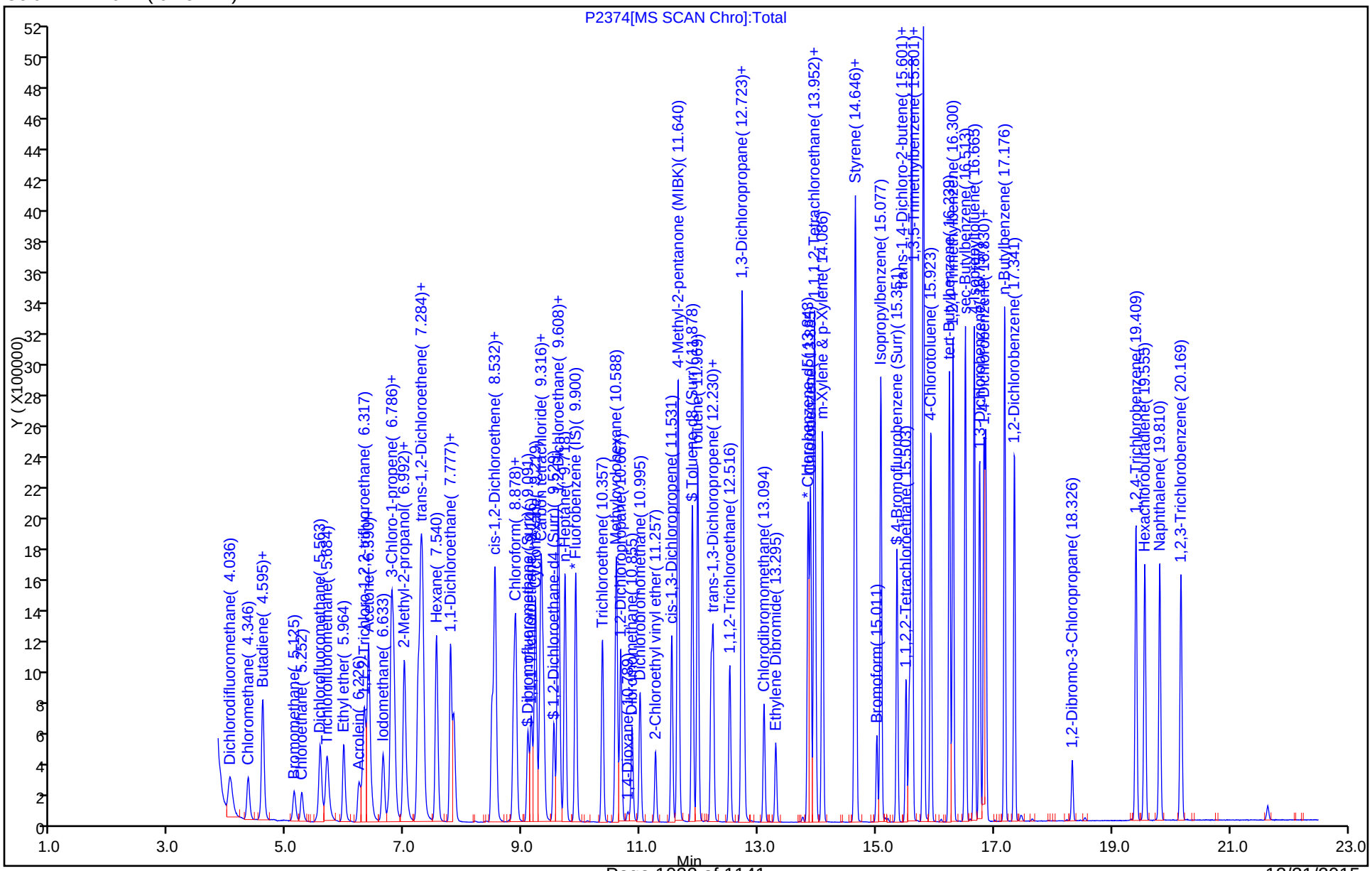
Report Date: 15-Dec-2015 15:25:37 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2374.D

Injection Date:	15-Dec-2015 13:42:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	LCS 480-279840/1-A			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279980/1-A

Matrix: Solid | Lab File ID: P2402.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 12/16/2015 10:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	43.2		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	44.5		4.8	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	38.8		4.8	1.1
79-00-5	1,1,2-Trichloroethane	43.1		4.8	0.63
75-34-3	1,1-Dichloroethane	39.7		4.8	0.59
75-35-4	1,1-Dichloroethene	37.5		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	40.8		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	44.5		4.8	2.4
106-93-4	1,2-Dibromoethane	43.1		4.8	0.62
95-50-1	1,2-Dichlorobenzene	40.2		4.8	0.38
107-06-2	1,2-Dichloroethane	41.1		4.8	0.24
78-87-5	1,2-Dichloropropane	40.5		4.8	2.4
541-73-1	1,3-Dichlorobenzene	39.7		4.8	0.25
106-46-7	1,4-Dichlorobenzene	38.7		4.8	0.68
78-93-3	2-Butanone (MEK)	231		24	1.8
591-78-6	2-Hexanone	236		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	234		24	1.6
67-64-1	Acetone	246		24	4.1
71-43-2	Benzene	40.0		4.8	0.24
75-27-4	Bromodichloromethane	42.7		4.8	0.65
75-25-2	Bromoform	46.9		4.8	2.4
74-83-9	Bromomethane	46.6		4.8	0.44
75-15-0	Carbon disulfide	39.2		4.8	2.4
56-23-5	Carbon tetrachloride	43.3		4.8	0.47
108-90-7	Chlorobenzene	40.0		4.8	0.64
75-00-3	Chloroethane	47.3		4.8	1.1
67-66-3	Chloroform	40.4		4.8	0.30
74-87-3	Chloromethane	47.0		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	40.0		4.8	0.62
10061-01-5	cis-1,3-Dichloropropene	43.4		4.8	0.70
110-82-7	Cyclohexane	39.0		4.8	0.68
124-48-1	Dibromochloromethane	45.4		4.8	0.62
75-71-8	Dichlorodifluoromethane	45.2		4.8	0.40
100-41-4	Ethylbenzene	40.2		4.8	0.33
98-82-8	Isopropylbenzene	40.4		4.8	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279980/1-A

Matrix: Solid | Lab File ID: P2402.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 12/16/2015 10:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	220		4.8	2.9
1634-04-4	Methyl tert-butyl ether	42.7		4.8	0.48
108-87-2	Methylcyclohexane	39.2		4.8	0.74
75-09-2	Methylene Chloride	44.0		4.8	2.2
100-42-5	Styrene	41.3		4.8	0.24
127-18-4	Tetrachloroethene	38.0		4.8	0.65
108-88-3	Toluene	37.1		4.8	0.37
156-60-5	trans-1,2-Dichloroethene	38.4		4.8	0.50
10061-02-6	trans-1,3-Dichloropropene	44.6		4.8	2.1
79-01-6	Trichloroethene	39.0		4.8	1.1
75-69-4	Trichlorofluoromethane	49.1		4.8	0.46
75-01-4	Vinyl chloride	46.8		4.8	0.59
1330-20-7	Xylenes, Total	79.7		9.7	0.81

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2402.D
Lims ID: LCS 480-279980/1-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Dec-2015 10:54:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279980/1-A
Misc. Info.: 480-0049276-005
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 13:42:23 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 12:31:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	374847	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.837	0.005	89	778765	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	732284	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.079	0.012	93	495915	50.0	51.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	304962	50.0	52.6	
$ 5 Toluene-d8 (Surr)	98	11.877	11.872	0.005	93	1709367	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	575327	50.0	48.5	
10 Dichlorodifluoromethane	85	4.042	4.030	0.012	99	556148	50.0	46.7	
11 Chloromethane	50	4.346	4.334	0.012	99	516899	50.0	48.5	
17 Vinyl chloride	62	4.577	4.565	0.012	97	407856	50.0	48.3	
149 Butadiene	54	4.595	4.590	0.005	97	387338	50.0	49.9	
12 Bromomethane	94	5.125	5.119	0.006	94	233731	50.0	48.1	
13 Chloroethane	64	5.252	5.240	0.012	96	260123	50.0	48.8	
19 Dichlorofluoromethane	67	5.563	5.551	0.012	98	827927	50.0	44.7	
14 Trichlorofluoromethane	101	5.678	5.666	0.012	98	759410	50.0	50.7	
20 Ethyl ether	59	5.964	5.952	0.012	97	462552	50.0	43.6	
22 Acrolein	56	6.226	6.214	0.012	98	497292	250.0	218.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	94	500497	50.0	40.1	
25 1,1-Dichloroethene	96	6.378	6.372	0.006	93	484254	50.0	38.7	
24 Acetone	43	6.396	6.390	0.006	98	1091626	250.0	254.1	
18 Iodomethane	142	6.633	6.628	0.005	99	784486	50.0	41.1	
30 Methyl acetate	43	6.773	6.761	0.012	100	2239433	250.0	227.5	
27 Carbon disulfide	76	6.785	6.774	0.011	100	1566257	50.0	40.4	
28 3-Chloro-1-propene	41	6.810	6.804	0.006	90	878066	50.0	42.4	
31 Methylene Chloride	84	6.992	6.980	0.012	94	498243	50.0	45.4	
33 2-Methyl-2-propanol	59	7.010	6.993	0.017	98	575901	500.0	412.5	
32 Methyl tert-butyl ether	73	7.229	7.224	0.005	99	1471278	50.0	44.1	
34 Acrylonitrile	53	7.278	7.266	0.012	97	2057103	500.0	456.9	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	92	418023	50.0	39.6	
36 Hexane	57	7.540	7.528	0.012	95	740970	50.0	35.9	
38 Vinyl acetate	43	7.777	7.765	0.012	97	2532676	100.0	100.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.832	7.820	0.012	97	960342	50.0	40.9	
44 2-Butanone (MEK)	43	8.477	8.471	0.006	98	1510321	250.0	238.4	
43 cis-1,2-Dichloroethene	96	8.525	8.520	0.005	87	472302	50.0	41.3	
45 2,2-Dichloropropane	77	8.537	8.526	0.011	91	679027	50.0	42.3	
50 Chlorobromomethane	128	8.848	8.842	0.006	91	232893	50.0	42.5	
51 Tetrahydrofuran	42	8.878	8.866	0.012	93	373657	100.0	90.6	
49 Chloroform	83	8.884	8.878	0.006	96	841211	50.0	41.7	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	98	598887	50.0	44.6	
54 Cyclohexane	56	9.219	9.213	0.006	96	963171	50.0	40.2	
53 Isobutyl alcohol	43	9.298	9.286	0.012	96	640144	1250.0	1053.2	
56 1,1-Dichloropropene	75	9.322	9.310	0.012	90	604383	50.0	40.8	
55 Carbon tetrachloride	117	9.359	9.347	0.012	96	667996	50.0	44.6	
57 Benzene	78	9.602	9.590	0.012	98	1708337	50.0	41.3	
60 1,2-Dichloroethane	62	9.626	9.615	0.011	97	792487	50.0	42.5	
59 n-Heptane	43	9.718	9.712	0.006	97	828567	50.0	37.9	
62 Trichloroethene	95	10.356	10.345	0.011	95	450315	50.0	40.2	
64 Methylcyclohexane	83	10.594	10.588	0.006	98	775098	50.0	40.4	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	502054	50.0	41.8	
68 1,4-Dioxane	88	10.782	10.783	-0.001	97	72641	1000.0	759.2	
69 Dibromomethane	93	10.861	10.850	0.011	96	293004	50.0	44.3	
70 Dichlorobromomethane	83	10.989	10.983	0.006	98	663390	50.0	44.1	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	92	237047	50.0	106.9	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	780497	50.0	44.8	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	3118711	250.0	241.7	
76 Toluene	92	11.975	11.969	0.006	98	1057936	50.0	38.3	
77 Ethyl methacrylate	69	12.200	12.194	0.006	96	565293	50.0	46.8	
78 trans-1,3-Dichloropropene	75	12.230	12.224	0.006	95	731595	50.0	46.1	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	337230	50.0	44.5	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	416931	50.0	39.3	
83 2-Hexanone	43	12.729	12.723	0.006	97	2165758	250.0	243.8	
82 1,3-Dichloropropane	76	12.753	12.748	0.005	98	678511	50.0	44.1	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	485554	50.0	46.8	
85 Ethylene Dibromide	107	13.295	13.289	0.006	98	440639	50.0	44.5	
87 Chlorobenzene	112	13.885	13.879	0.006	93	1242648	50.0	41.2	
89 Ethylbenzene	91	13.946	13.946	0.000	98	1988871	50.0	41.5	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.964	0.006	92	450476	50.0	44.0	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	834495	50.0	41.1	
93 o-Xylene	106	14.639	14.634	0.005	97	841785	50.0	41.2	
94 Styrene	104	14.658	14.652	0.006	95	1349808	50.0	42.6	
92 Bromoform	173	15.010	15.011	-0.001	95	315989	50.0	48.4	
95 Isopropylbenzene	105	15.077	15.078	-0.001	96	2161776	50.0	41.7	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	563319	50.0	45.9	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	81	234664	50.0	48.3	
101 1,2,3-Trichloropropane	110	15.600	15.589	0.011	66	159878	50.0	44.2	
100 Bromobenzene	156	15.600	15.595	0.005	93	523462	50.0	40.7	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2371394	50.0	41.4	
103 2-Chlorotoluene	126	15.795	15.795	0.000	95	470612	50.0	40.7	
102 1,3,5-Trimethylbenzene	105	15.801	15.802	-0.001	94	1799565	50.0	41.2	
105 4-Chlorotoluene	126	15.929	15.923	0.006	99	509417	50.0	41.2	
106 tert-Butylbenzene	134	16.239	16.240	-0.001	94	379623	50.0	41.0	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	1918814	50.0	41.4	
109 sec-Butylbenzene	105	16.513	16.507	0.006	95	2416611	50.0	42.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.659	0.006	97	1982226	50.0	41.8	
110 1,3-Dichlorobenzene	146	16.750	16.751	-0.001	96	1012049	50.0	41.0	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	92	954725	50.0	40.0	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1876287	50.0	41.5	
116 1,2-Dichlorobenzene	146	17.346	17.341	0.005	95	1023925	50.0	41.5	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	123263	50.0	45.9	
119 1,2,4-Trichlorobenzene	180	19.409	19.403	0.006	94	731124	50.0	42.2	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	397351	50.0	40.3	
121 Naphthalene	128	19.810	19.805	0.005	97	1720220	50.0	47.7	
122 1,2,3-Trichlorobenzene	180	20.169	20.170	-0.001	95	650108	50.0	44.0	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

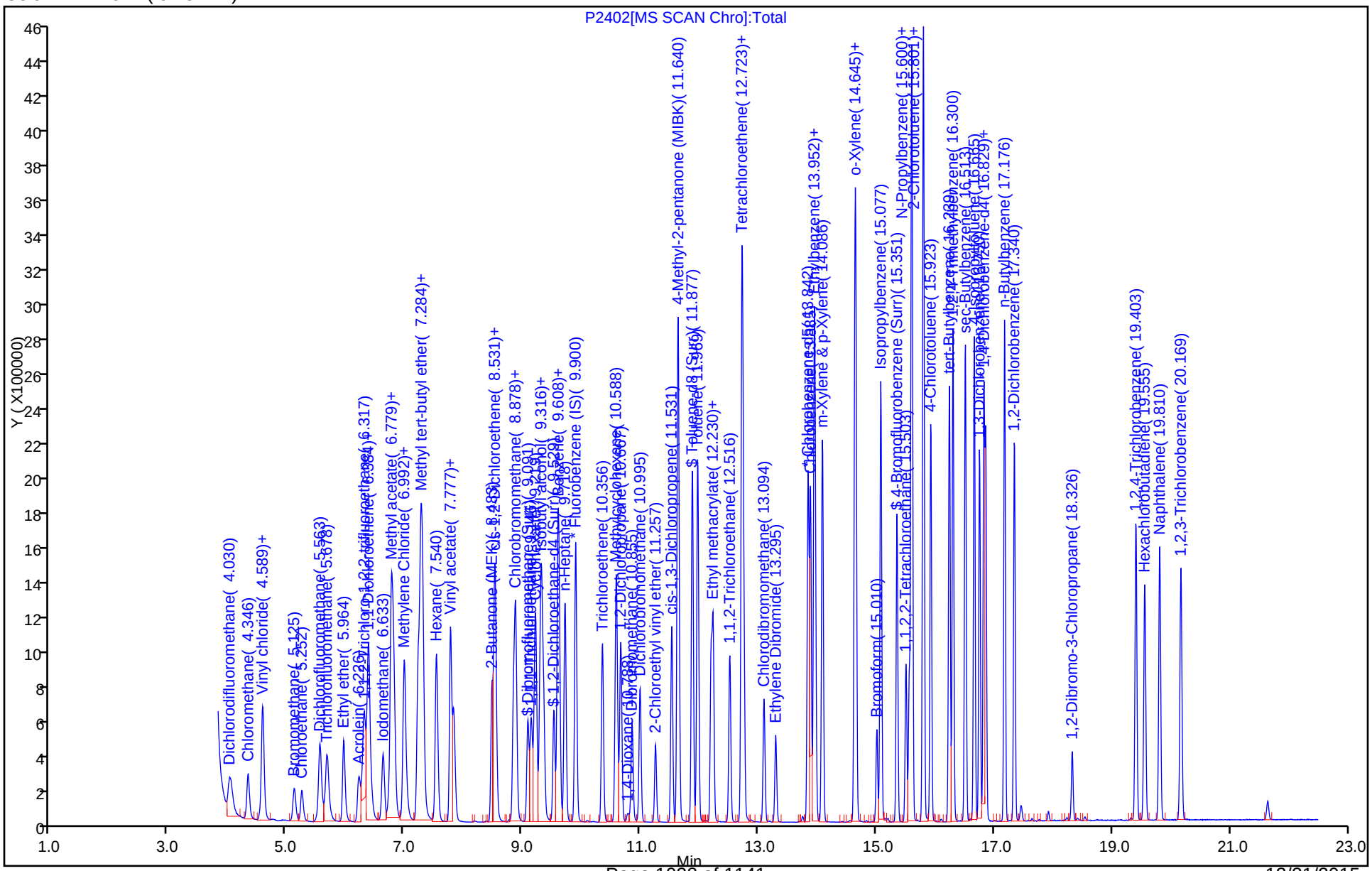
Report Date: 16-Dec-2015 13:42:24 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2402.D

Injection Date:	16-Dec-2015 10:54:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	LCS 480-279980/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280169/1-A

Matrix: Solid | Lab File ID: S6163.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 12/16/2015 23:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2200		99	27
79-34-5	1,1,2,2-Tetrachloroethane	2510		99	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1700		99	49
79-00-5	1,1,2-Trichloroethane	2270		99	21
75-34-3	1,1-Dichloroethane	2060		99	30
75-35-4	1,1-Dichloroethene	1690		99	34
120-82-1	1,2,4-Trichlorobenzene	2480		99	37
96-12-8	1,2-Dibromo-3-Chloropropane	2530		99	49
106-93-4	1,2-Dibromoethane	2300		99	17
95-50-1	1,2-Dichlorobenzene	2400		99	25
107-06-2	1,2-Dichloroethane	2040		99	40
78-87-5	1,2-Dichloropropane	2140		99	16
541-73-1	1,3-Dichlorobenzene	2510		99	26
106-46-7	1,4-Dichlorobenzene	2420		99	14
78-93-3	2-Butanone (MEK)	11800		490	290
591-78-6	2-Hexanone	12400		490	200
108-10-1	4-Methyl-2-pentanone (MIBK)	12000		490	32
67-64-1	Acetone	12200		490	410
71-43-2	Benzene	2160		99	19
75-27-4	Bromodichloromethane	2240		99	20
75-25-2	Bromoform	2190		99	49
74-83-9	Bromomethane	1970		99	22
75-15-0	Carbon disulfide	1340		99	45
56-23-5	Carbon tetrachloride	1940		99	25
108-90-7	Chlorobenzene	2230		99	13
75-00-3	Chloroethane	1380		99	21
67-66-3	Chloroform	2130		99	68
74-87-3	Chloromethane	1900		99	23
156-59-2	cis-1,2-Dichloroethene	2050		99	27
10061-01-5	cis-1,3-Dichloropropene	2200		99	24
110-82-7	Cyclohexane	2050		99	22
124-48-1	Dibromochloromethane	2070		99	48
75-71-8	Dichlorodifluoromethane	1940		99	43
100-41-4	Ethylbenzene	2460		99	29
98-82-8	Isopropylbenzene	2730		99	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280169/1-A

Matrix: Solid | Lab File ID: S6163.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 12/16/2015 23:36

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280176 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	11900		99	47
1634-04-4	Methyl tert-butyl ether	2100		99	37
108-87-2	Methylcyclohexane	2190		99	46
75-09-2	Methylene Chloride	2040		99	20
100-42-5	Styrene	2350		99	24
127-18-4	Tetrachloroethene	2370		99	13
108-88-3	Toluene	2380		99	26
156-60-5	trans-1,2-Dichloroethene	1930		99	23
10061-02-6	trans-1,3-Dichloropropene	2370		99	9.7
79-01-6	Trichloroethene	2110		99	27
75-69-4	Trichlorofluoromethane	2350		99	46
75-01-4	Vinyl chloride	2010		99	33
1330-20-7	Xylenes, Total	4610		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
2037-26-5	Toluene-d8 (Surr)	97		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6163.D
Lims ID: LCS 480-280169/1-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Dec-2015 23:36:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs 480-280169/1-a
Misc. Info.: 480-0049315-008
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 00:18:03 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: fortaing Date: 17-Dec-2015 00:18:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	115614	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	231958	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	90	214237	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	72	123121	27.2	23.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	91565	27.2	25.5	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	84	541419	27.2	26.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	168368	27.2	25.7	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	86	117175	25.0	19.7	
11 Chlorodifluoromethane	51	1.267	1.273	-0.006	76	183514	25.0	24.4	
12 Chloromethane	50	1.401	1.407	-0.006	89	219948	25.0	19.3	
13 Vinyl chloride	62	1.504	1.510	-0.006	82	124945	25.0	20.3	
151 Butadiene	54	1.535	1.535	0.000	90	159078	25.0	21.4	
14 Bromomethane	94	1.790	1.821	-0.031	84	37439	25.0	19.9	
15 Chloroethane	64	1.876	1.912	-0.036	96	36485	25.0	14.0	
16 Dichlorofluoromethane	67	2.113	2.131	-0.018	77	133245	25.0	20.3	
17 Trichlorofluoromethane	101	2.101	2.143	-0.042	66	131691	25.0	23.9	
148 Ethanol	45	2.423	2.405	0.018	77	192125	1000.0	2088.6	
18 Ethyl ether	59	2.423	2.423	0.000	95	128300	25.0	19.2	
20 Acrolein	56	2.581	2.581	0.000	94	123237	125.0	95.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.642	2.648	-0.006	43	79363	25.0	17.3	
22 1,1-Dichloroethene	96	2.648	2.654	-0.006	80	89205	25.0	17.2	
23 Acetone	43	2.752	2.739	0.013	99	267138	125.0	124.1	
25 Iodomethane	142	2.806	2.812	-0.006	95	106607	25.0	18.3	
26 Carbon disulfide	76	2.843	2.849	-0.006	98	203027	25.0	13.6	
24 Isopropyl alcohol	45		2.916				ND	ND	
28 3-Chloro-1-propene	41	2.989	3.001	-0.012	86	197096	25.0	18.3	
29 Acetonitrile	40	3.044	3.025	0.019	33	117031	250.0	224.3	
27 Methyl acetate	43	3.044	3.044	0.000	97	667159	125.0	120.2	
30 Methylene Chloride	84	3.159	3.159	0.000	78	111870	25.0	20.7	
31 2-Methyl-2-propanol	59		3.299				ND	ND	
32 Methyl tert-butyl ether	73	3.372	3.366	0.006	92	321151	25.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96	3.366	3.378	-0.012	69	104793	25.0	19.5	
33 Acrylonitrile	53	3.409	3.402	0.007	98	680274	250.0	228.5	
35 Hexane	57	3.585	3.597	-0.012	95	222725	25.0	18.4	
39 1,1-Dichloroethane	63	3.786	3.792	-0.006	85	244178	25.0	20.9	
36 Isopropyl ether	45	3.828	3.822	0.006	84	631246	25.0	23.9	
37 Vinyl acetate	43	3.841	3.847	-0.006	96	965755	50.0	66.5	
40 2-Chloro-1,3-butadiene	53	3.853	3.859	-0.006	54	302106	25.0	24.2	
41 Tert-butyl ethyl ether	59	4.169	4.163	0.006	94	488292	25.0	22.3	
44 2,2-Dichloropropane	77	4.309	4.315	-0.006	89	96784	25.0	23.3	
45 cis-1,2-Dichloroethene	96	4.339	4.345	-0.006	74	121911	25.0	20.7	
43 2-Butanone (MEK)	43	4.376	4.370	0.006	95	408772	125.0	119.8	
42 Ethyl acetate	43	4.418	4.412	0.006	91	333300	50.0	54.6	
46 Propionitrile	54	4.461	4.455	0.006	97	246631	250.0	213.2	
48 Chlorobromomethane	128	4.571	4.577	-0.006	41	56299	25.0	18.5	
47 Methacrylonitrile	41	4.577	4.577	0.000	97	1102489	250.0	223.6	
49 Tetrahydrofuran	42	4.607	4.607	0.000	62	146173	50.0	56.9	
50 Chloroform	83	4.650	4.656	-0.006	75	193357	25.0	21.5	
51 1,1,1-Trichloroethane	97	4.777	4.783	-0.006	89	143938	25.0	22.3	
52 Cyclohexane	56	4.796	4.808	-0.012	91	288908	25.0	20.8	
55 Carbon tetrachloride	117	4.923	4.929	-0.006	63	117477	25.0	19.7	
54 1,1-Dichloropropene	75	4.929	4.936	-0.007	86	159086	25.0	21.8	
53 Isobutyl alcohol	43	5.149	5.130	0.018	76	239274	625.0	826.2	
57 Benzene	78	5.130	5.136	-0.006	94	456357	25.0	22.0	
152 Isooctane	57	5.155	5.161	-0.006	83	627042	25.0	23.1	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	195159	25.0	20.7	
147 t-Amyl alcohol	59	5.203	5.191	0.012	15	112188	250.0	255.0	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	72	359129	25.0	23.1	
59 n-Heptane	43	5.337	5.343	-0.006	95	294715	25.0	23.5	
1 1,4-Difluorobenzene	114	5.514	5.514	0.000	93	359199	25.0	22.0	
62 Trichloroethene	95	5.745	5.751	-0.006	89	117360	25.0	21.4	
60 n-Butanol	56	5.763	5.751	0.012	92	75873	625.0	714.9	
142 Ethyl acrylate	55	5.872	5.866	0.006	94	443733	25.0	53.3	
64 Methylcyclohexane	83	5.885	5.885	0.000	86	206845	25.0	22.2	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	89	140003	25.0	21.7	
63 Methyl methacrylate	41	6.085	6.085	0.000	90	301881	50.0	46.3	
67 Dibromomethane	93	6.104	6.110	-0.006	90	65943	25.0	22.1	
66 1,4-Dioxane	88	6.122	6.116	0.006	28	21016	500.0	435.0	
68 Dichlorobromomethane	83	6.262	6.262	0.000	89	129771	25.0	22.7	
70 2-Nitropropane	43	6.493	6.499	-0.006	72	25030	50.0	35.8	
69 2-Chloroethyl vinyl ether	63	6.542	6.548	-0.006	68	90101	25.0	21.2	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	83	180370	25.0	22.3	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	776289	125.0	121.9	
74 Toluene	92	6.980	6.986	-0.006	89	303460	25.0	24.1	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	93	155174	25.0	24.0	
75 Ethyl methacrylate	69	7.308	7.308	0.000	92	130754	25.0	25.0	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	90	79960	25.0	23.0	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	145939	25.0	24.1	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	95	182675	25.0	24.3	
80 2-Hexanone	43	7.667	7.667	0.000	99	544984	125.0	126.2	
155 n-Butyl acetate	43	7.789	7.789	0.000	98	235455	25.0	25.6	
83 Chlorodibromomethane	129	7.831	7.831	0.000	86	79204	25.0	21.0	
84 Ethylene Dibromide	107	7.935	7.935	0.000	94	95906	25.0	23.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
146 1-Chlorohexane	55	8.385	8.385	0.000	82	184964	25.0	25.0	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	78	189431	25.0	26.6	
87 Chlorobenzene	112	8.421	8.428	-0.007	81	331396	25.0	22.6	
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	60	175941	25.0	26.2	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	34	99851	25.0	22.3	
88 Ethylbenzene	91	8.525	8.525	0.000	93	567997	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	223852	25.0	23.2	
91 o-Xylene	106	9.072	9.072	0.000	96	222291	25.0	23.6	
92 Styrene	104	9.097	9.097	0.000	93	361991	25.0	23.9	
95 Bromoform	173	9.328	9.328	0.000	89	39058	25.0	22.2	
93 2-Chlorobenzotrifluoride	180	9.370	9.371	-0.001	89	182881	25.0	26.3	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	569115	25.0	27.6	
96 Cyclohexanone	55	9.602	9.602	0.000	88	45997	250.0	242.1	
101 Bromobenzene	156	9.796	9.796	0.000	93	140480	25.0	24.2	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.839	-0.006	81	115987	25.0	25.5	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	58	38296	25.0	23.9	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.881	0.001	29	43186	25.0	20.7	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	677123	25.0	28.9	
103 2-Chlorotoluene	126	9.979	9.985	-0.006	95	132941	25.0	25.9	
104 3-Chlorotoluene	126	10.046	10.046	0.000	98	142476	25.0	26.4	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	94	483931	25.0	27.4	
105 4-Chlorotoluene	126	10.094	10.094	0.000	80	141245	25.0	25.4	
106 tert-Butylbenzene	134	10.380	10.380	0.000	92	113298	25.0	27.1	
108 Pentachloroethane	167	10.429	10.429	0.000	32	56832	25.0	28.2	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	68	494932	25.0	27.4	
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	625285	25.0	28.3	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	284318	25.0	25.4	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	95	542339	25.0	26.5	
114 Dicyclopentadiene	66	10.794	10.800	-0.006	90	629401	25.0	27.8	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	83	278714	25.0	24.6	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	44	505012	25.0	29.3	
150 Benzyl chloride	126	10.946	10.946	0.000	99	37317	25.0	19.8	
115 n-Butylbenzene	91	11.116	11.123	-0.007	95	489334	25.0	29.8	
116 1,2-Dichlorobenzene	146	11.153	11.159	-0.006	90	264042	25.0	24.3	
117 1,2-Dibromo-3-Chloropropan	75	11.871	11.877	-0.006	49	17600	25.0	25.6	
118 1,3,5-Trichlorobenzene	180	12.029	12.029	0.000	96	211769	25.0	27.4	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	90	199996	25.0	25.1	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	98080	25.0	27.7	
121 Naphthalene	128	12.771	12.771	0.000	97	425286	25.0	23.0	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	92	180211	25.0	24.1	
149 2-Methylnaphthalene	142	13.690	13.684	0.006	88	254712	25.0	24.5	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_IS_00131	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00121	Amount Added:	1.00	Units: uL	Run Reagent

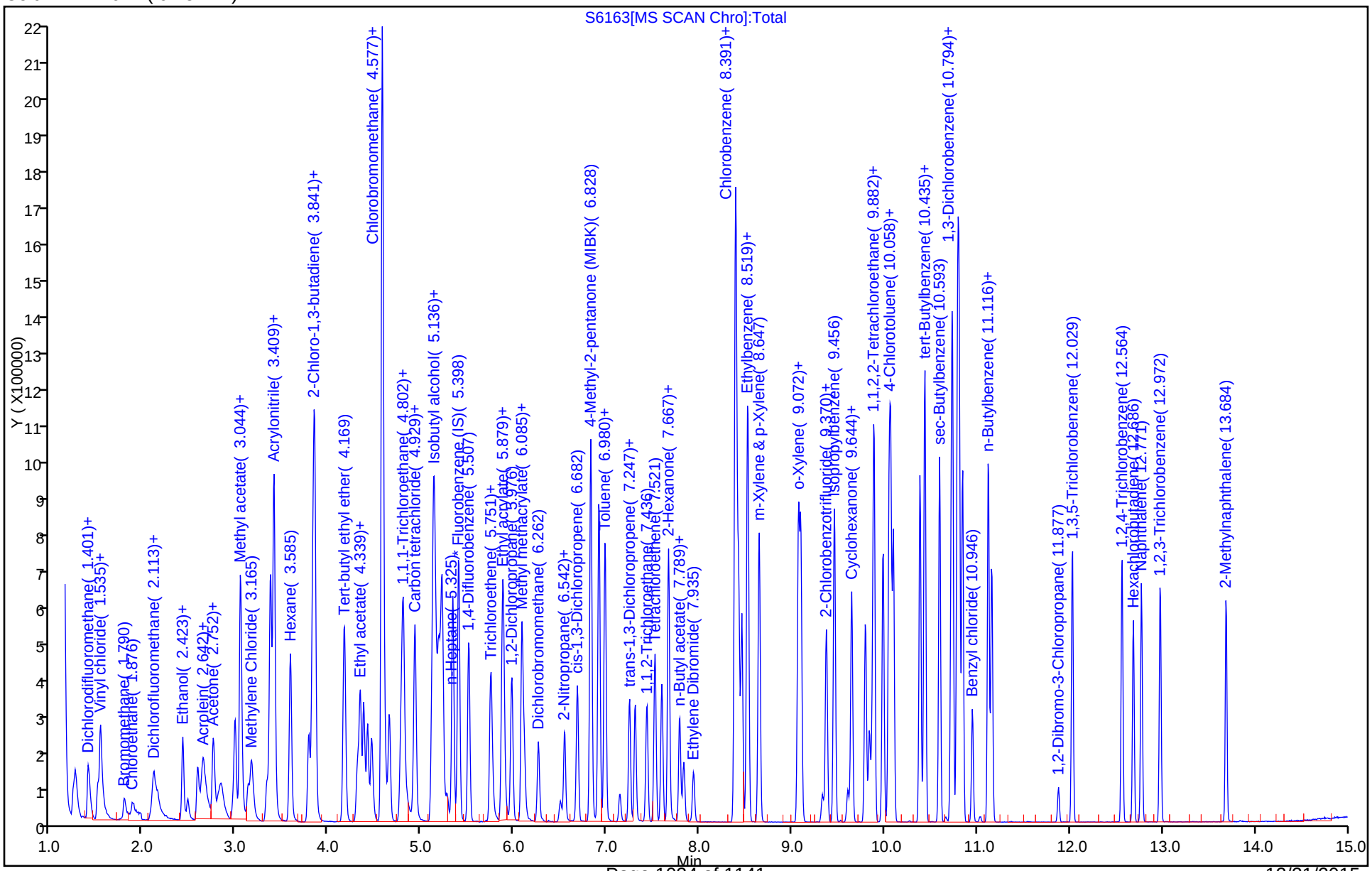
Report Date: 17-Dec-2015 00:18:04 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151216-49315.b\S6163.D

Injection Date:	16-Dec-2015 23:36:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	LCS 480-280169/1-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280183/1-A

Matrix: Solid | Lab File ID: P2424.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.32(g) | Date Analyzed: 12/16/2015 21:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50.4		4.7	0.34
79-34-5	1,1,2,2-Tetrachloroethane	45.1		4.7	0.76
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	45.4		4.7	1.1
79-00-5	1,1,2-Trichloroethane	44.0		4.7	0.61
75-34-3	1,1-Dichloroethane	44.1		4.7	0.57
75-35-4	1,1-Dichloroethene	43.6		4.7	0.58
120-82-1	1,2,4-Trichlorobenzene	43.4		4.7	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	42.7		4.7	2.3
106-93-4	1,2-Dibromoethane	43.3		4.7	0.60
95-50-1	1,2-Dichlorobenzene	43.1		4.7	0.37
107-06-2	1,2-Dichloroethane	42.0		4.7	0.24
78-87-5	1,2-Dichloropropane	43.2		4.7	2.3
541-73-1	1,3-Dichlorobenzene	43.4		4.7	0.24
106-46-7	1,4-Dichlorobenzene	42.3		4.7	0.66
78-93-3	2-Butanone (MEK)	220		23	1.7
591-78-6	2-Hexanone	227		23	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	228		23	1.5
67-64-1	Acetone	241		23	4.0
71-43-2	Benzene	44.7		4.7	0.23
75-27-4	Bromodichloromethane	44.4		4.7	0.63
75-25-2	Bromoform	47.6		4.7	2.3
74-83-9	Bromomethane	50.6		4.7	0.42
75-15-0	Carbon disulfide	46.4		4.7	2.3
56-23-5	Carbon tetrachloride	50.5		4.7	0.45
108-90-7	Chlorobenzene	43.6		4.7	0.62
75-00-3	Chloroethane	55.1		4.7	1.1
67-66-3	Chloroform	43.7		4.7	0.29
74-87-3	Chloromethane	53.2		4.7	0.28
156-59-2	cis-1,2-Dichloroethene	43.4		4.7	0.60
10061-01-5	cis-1,3-Dichloropropene	45.4		4.7	0.68
110-82-7	Cyclohexane	46.0		4.7	0.66
124-48-1	Dibromochloromethane	46.2		4.7	0.60
75-71-8	Dichlorodifluoromethane	58.9		4.7	0.39
100-41-4	Ethylbenzene	45.0		4.7	0.32
98-82-8	Isopropylbenzene	47.1		4.7	0.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280183/1-A

Matrix: Solid | Lab File ID: P2424.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.32(g) | Date Analyzed: 12/16/2015 21:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280185 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	213		4.7	2.8
1634-04-4	Methyl tert-butyl ether	43.5		4.7	0.46
108-87-2	Methylcyclohexane	47.1		4.7	0.71
75-09-2	Methylene Chloride	47.8		4.7	2.2
100-42-5	Styrene	43.9		4.7	0.23
127-18-4	Tetrachloroethene	44.9		4.7	0.63
108-88-3	Toluene	41.5		4.7	0.36
156-60-5	trans-1,2-Dichloroethene	44.3		4.7	0.48
10061-02-6	trans-1,3-Dichloropropene	45.5		4.7	2.1
79-01-6	Trichloroethene	43.6		4.7	1.0
75-69-4	Trichlorofluoromethane	57.2		4.7	0.44
75-01-4	Vinyl chloride	52.9		4.7	0.57
1330-20-7	Xylenes, Total	88.2		9.4	0.79

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2424.D
Lims ID: LCS 480-280183/1-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Dec-2015 21:54:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-280183/1-A
Misc. Info.: 480-0049318-005
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 00:22:54 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: diasn Date: 17-Dec-2015 00:22:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.900	-0.006	98	376968	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	88	772914	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	96	705992	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	92	493311	50.0	51.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.535	-0.006	0	303216	50.0	52.0	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1699641	50.0	50.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	562226	50.0	47.7	
10 Dichlorodifluoromethane	85	4.030	4.042	-0.012	98	750964	50.0	62.7	
11 Chloromethane	50	4.340	4.340	0.000	99	607561	50.0	56.6	
17 Vinyl chloride	62	4.571	4.571	0.000	98	477343	50.0	56.2	
149 Butadiene	54	4.595	4.590	0.005	96	490765	50.0	62.9	
12 Bromomethane	94	5.119	5.119	0.000	93	262942	50.0	53.8	
13 Chloroethane	64	5.252	5.253	-0.001	96	314294	50.0	58.6	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	951605	50.0	51.1	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	98	917109	50.0	60.9	
20 Ethyl ether	59	5.958	5.964	-0.006	98	502292	50.0	47.1	
22 Acrolein	56	6.220	6.220	0.000	98	523102	250.0	228.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	607458	50.0	48.3	
25 1,1-Dichloroethene	96	6.378	6.372	0.006	93	583666	50.0	46.4	
24 Acetone	43	6.396	6.396	0.000	98	1108163	250.0	256.5	
18 Iodomethane	142	6.633	6.634	-0.001	99	914839	50.0	47.6	
30 Methyl acetate	43	6.767	6.767	0.000	100	2242145	250.0	226.5	
27 Carbon disulfide	76	6.779	6.780	-0.001	99	1924647	50.0	49.4	
28 3-Chloro-1-propene	41	6.810	6.804	0.006	91	1041514	50.0	50.0	
31 Methylene Chloride	84	6.986	6.986	0.000	95	558378	50.0	50.9	
33 2-Methyl-2-propanol	59	6.998	7.005	-0.007	98	554213	500.0	394.8	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1552212	50.0	46.3	
34 Acrylonitrile	53	7.272	7.272	0.000	97	2092595	500.0	462.2	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	92	500576	50.0	47.2	
36 Hexane	57	7.534	7.534	0.000	96	922715	50.0	44.4	
38 Vinyl acetate	43	7.771	7.771	0.000	97	2658764	100.0	104.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	1107596	50.0	47.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1489291	250.0	233.7	
43 cis-1,2-Dichloroethene	96	8.525	8.520	0.005	87	531630	50.0	46.2	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	90	824679	50.0	51.1	
50 Chlorobromomethane	128	8.842	8.842	0.000	92	252703	50.0	45.9	
51 Tetrahydrofuran	42	8.872	8.872	0.000	91	364142	100.0	87.8	
49 Chloroform	83	8.878	8.878	0.000	96	943756	50.0	46.5	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	97	723927	50.0	53.6	
54 Cyclohexane	56	9.213	9.213	0.000	95	1177570	50.0	48.9	
53 Isobutyl alcohol	43	9.292	9.292	0.000	96	622748	1250.0	1018.8	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	91	739101	50.0	49.6	
55 Carbon tetrachloride	117	9.347	9.347	0.000	97	808252	50.0	53.7	
57 Benzene	78	9.596	9.596	0.000	98	1978594	50.0	47.6	
60 1,2-Dichloroethane	62	9.620	9.621	-0.001	97	839393	50.0	44.7	
59 n-Heptane	43	9.712	9.712	0.000	97	1015494	50.0	46.2	
62 Trichloroethene	95	10.351	10.351	0.000	94	522422	50.0	46.4	
64 Methylcyclohexane	83	10.588	10.588	0.000	99	965533	50.0	50.1	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	92	554707	50.0	46.0	
68 1,4-Dioxane	88	10.782	10.789	-0.007	97	73960	1000.0	778.9	
69 Dibromomethane	93	10.849	10.850	-0.001	96	309603	50.0	46.5	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	715223	50.0	47.2	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	234956	50.0	105.3	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	91	847430	50.0	48.3	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	3104455	250.0	242.4	
76 Toluene	92	11.969	11.969	0.000	97	1211670	50.0	44.1	
77 Ethyl methacrylate	69	12.194	12.194	0.000	93	581273	50.0	48.5	
78 trans-1,3-Dichloropropene	75	12.230	12.231	-0.001	99	763119	50.0	48.4	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	352010	50.0	46.8	
80 Tetrachloroethene	166	12.711	12.711	0.000	93	503430	50.0	47.8	
83 2-Hexanone	43	12.723	12.723	0.000	99	2125998	250.0	241.2	
82 1,3-Dichloropropane	76	12.747	12.748	-0.001	99	707261	50.0	46.3	
81 Chlorodibromomethane	129	13.094	13.094	0.000	91	505451	50.0	49.1	
85 Ethylene Dibromide	107	13.289	13.289	0.000	99	453352	50.0	46.1	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1388267	50.0	46.4	
89 Ethylbenzene	91	13.946	13.946	0.000	98	2279143	50.0	47.9	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	481732	50.0	47.5	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	956941	50.0	47.5	
93 o-Xylene	106	14.633	14.634	-0.001	97	941695	50.0	46.4	
94 Styrene	104	14.652	14.652	0.000	94	1466733	50.0	46.7	
92 Bromoform	173	15.011	15.011	0.000	95	327516	50.0	50.6	
95 Isopropylbenzene	105	15.077	15.078	-0.001	96	2508361	50.0	50.1	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.504	-0.001	96	568612	50.0	48.0	
98 trans-1,4-Dichloro-2-buten	53	15.552	15.558	-0.006	79	233681	50.0	49.9	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	74	162075	50.0	46.5	
100 Bromobenzene	156	15.595	15.595	0.000	95	557794	50.0	45.0	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2725039	50.0	49.4	
103 2-Chlorotoluene	126	15.795	15.796	-0.001	93	523391	50.0	47.0	
102 1,3,5-Trimethylbenzene	105	15.801	15.802	-0.001	93	2027157	50.0	48.1	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	572262	50.0	48.0	
106 tert-Butylbenzene	134	16.239	16.240	-0.001	94	435891	50.0	48.9	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	2159247	50.0	48.3	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2783974	50.0	50.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2263728	50.0	49.6	
110 1,3-Dichlorobenzene	146	16.750	16.751	-0.001	96	1098219	50.0	46.2	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1037549	50.0	45.1	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2170506	50.0	49.9	
116 1,2-Dichlorobenzene	146	17.347	17.341	0.006	95	1091651	50.0	45.9	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.326	-0.006	80	117682	50.0	45.5	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	772798	50.0	46.2	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	455370	50.0	46.0	
121 Naphthalene	128	19.810	19.811	-0.001	98	1689052	50.0	46.6	
122 1,2,3-Trichlorobenzene	180	20.169	20.170	-0.001	95	676803	50.0	45.6	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

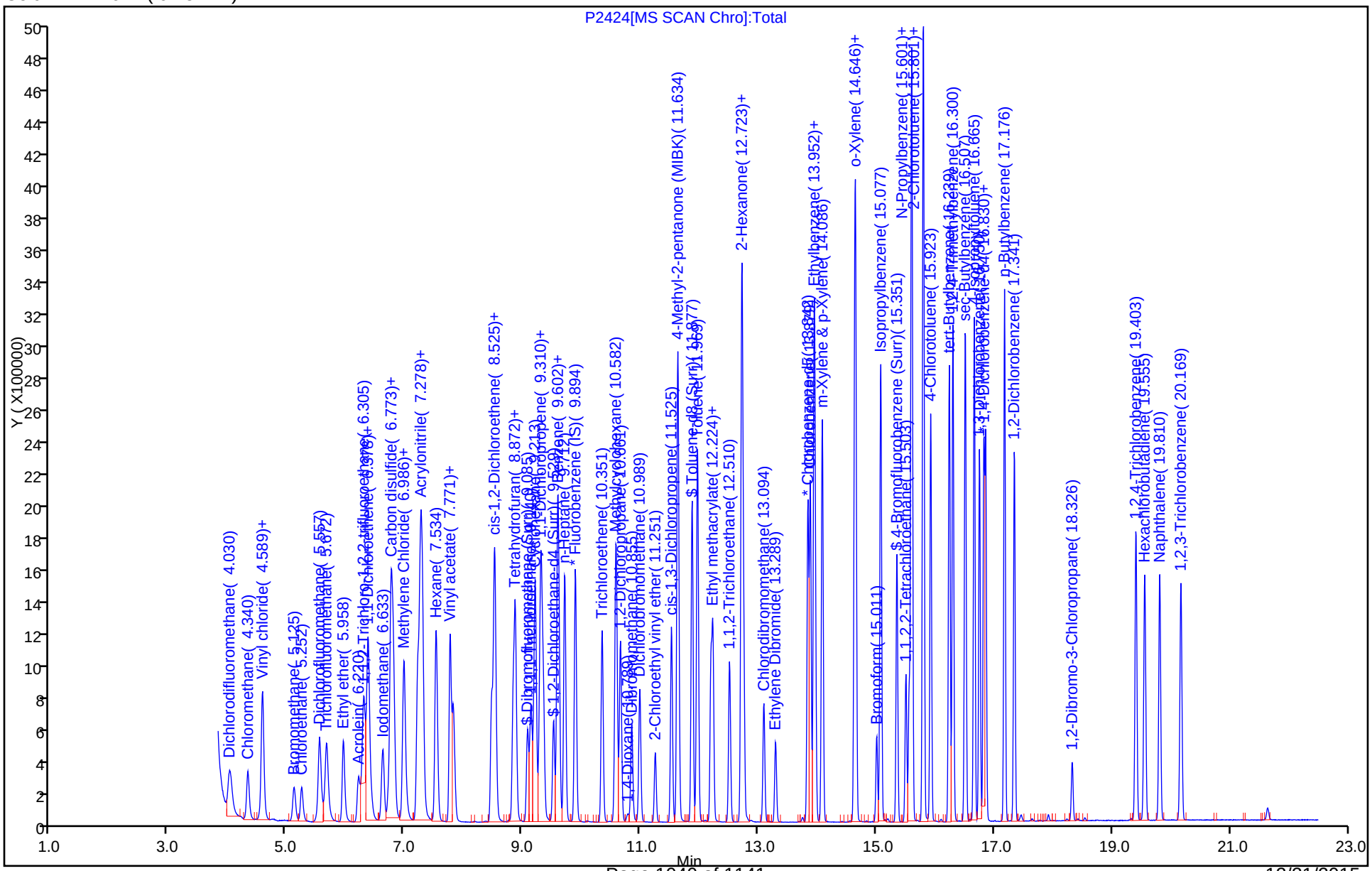
Report Date: 17-Dec-2015 00:22:55 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49318.b\P2424.D

Injection Date:	16-Dec-2015 21:54:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	LCS 480-280183/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280604/5

Matrix: Water | Lab File ID: Q7763.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/19/2015 00:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280604 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.4		1.0	0.23
75-34-3	1,1-Dichloroethane	26.3		1.0	0.38
75-35-4	1,1-Dichloroethene	28.1		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.5		1.0	0.39
106-93-4	1,2-Dibromoethane	24.3		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.7		1.0	0.79
107-06-2	1,2-Dichloroethane	25.2		1.0	0.21
78-87-5	1,2-Dichloropropane	25.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.8		1.0	0.84
78-93-3	2-Butanone (MEK)	122		10	1.3
591-78-6	2-Hexanone	116		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	124		5.0	2.1
67-64-1	Acetone	162		10	3.0
71-43-2	Benzene	25.4		1.0	0.41
75-27-4	Bromodichloromethane	25.7		1.0	0.39
75-25-2	Bromoform	25.0		1.0	0.26
74-83-9	Bromomethane	25.4		1.0	0.69
75-15-0	Carbon disulfide	26.3		1.0	0.19
56-23-5	Carbon tetrachloride	28.4		1.0	0.27
108-90-7	Chlorobenzene	24.6		1.0	0.75
75-00-3	Chloroethane	28.3		1.0	0.32
67-66-3	Chloroform	25.1		1.0	0.34
74-87-3	Chloromethane	23.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
110-82-7	Cyclohexane	29.3		1.0	0.18
124-48-1	Dibromochloromethane	26.0		1.0	0.32
75-71-8	Dichlorodifluoromethane	21.4		1.0	0.68
100-41-4	Ethylbenzene	25.0		1.0	0.74
98-82-8	Isopropylbenzene	26.0		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280604/5

Matrix: Water | Lab File ID: Q7763.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/19/2015 00:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280604 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	114		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.5		1.0	0.16
108-87-2	Methylcyclohexane	28.3		1.0	0.16
75-09-2	Methylene Chloride	25.1		1.0	0.44
100-42-5	Styrene	24.7		1.0	0.73
127-18-4	Tetrachloroethene	25.5		1.0	0.36
108-88-3	Toluene	25.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.2		1.0	0.37
79-01-6	Trichloroethene	25.7		1.0	0.46
75-69-4	Trichlorofluoromethane	29.1		1.0	0.88
75-01-4	Vinyl chloride	26.5		1.0	0.90
1330-20-7	Xylenes, Total	51.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7763.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 19-Dec-2015 00:28:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0049402-005
Operator ID: GF Instrument ID: HP5973Q

Method: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 01:07:25 Calib Date: 16-Dec-2015 05:51:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151215-49261.b\Q7649.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 19-Dec-2015 01:07:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.117	5.118	-0.001	99	97760	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.405	7.405	0.000	85	189022	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.278	9.279	-0.001	92	227062	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.643	4.643	0.000	94	137825	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	4.892	4.893	-0.001	0	76516	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	6.291	6.286	0.005	92	474081	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	8.342	8.342	0.000	96	163356	25.0	24.6	
10 Dichlorodifluoromethane	85	1.431	1.439	-0.008	99	150840	25.0	21.4	
12 Chloromethane	50	1.619	1.621	-0.002	99	241716	25.0	23.6	
13 Vinyl chloride	62	1.717	1.718	-0.001	86	198848	25.0	26.5	
144 Butadiene	54	1.735	1.749	-0.014	86	172763	25.0	28.2	
14 Bromomethane	94	2.039	2.047	-0.008	90	129282	25.0	25.4	
15 Chloroethane	64	2.130	2.132	-0.002	99	119656	25.0	28.3	
17 Trichlorofluoromethane	101	2.319	2.315	0.004	94	229284	25.0	29.1	
16 Dichlorofluoromethane	67	2.337	2.351	-0.014	95	287011	25.0	25.6	
18 Ethyl ether	59	2.593	2.595	-0.001	92	158137	25.0	26.8	
20 Acrolein	56	2.751	2.747	0.004	100	208532	125.0	171.7	
22 1,1-Dichloroethene	96	2.800	2.801	-0.001	99	150734	25.0	28.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.824	2.826	-0.002	91	105887	25.0	29.8	
23 Acetone	43	2.885	2.887	-0.001	100	326624	125.0	162.0	
25 Iodomethane	142	2.940	2.941	-0.001	99	309373	25.0	26.6	
26 Carbon disulfide	76	2.982	2.984	-0.002	99	461196	25.0	26.3	
28 3-Chloro-1-propene	41	3.128	3.130	-0.002	92	257775	25.0	24.9	
27 Methyl acetate	43	3.159	3.160	-0.002	98	901041	125.0	113.7	
30 Methylene Chloride	84	3.250	3.252	-0.002	95	158305	25.0	25.1	
31 2-Methyl-2-propanol	59	3.371	3.379	-0.008	99	111651	250.0	196.9	
32 Methyl tert-butyl ether	73	3.451	3.446	0.004	96	550921	25.0	26.5	
34 trans-1,2-Dichloroethene	96	3.463	3.458	0.005	99	163095	25.0	26.3	
33 Acrylonitrile	53	3.475	3.477	-0.002	99	1084693	250.0	252.3	
35 Hexane	57	3.645	3.647	-0.002	93	228346	25.0	25.8	
39 1,1-Dichloroethane	63	3.809	3.811	-0.002	97	295407	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.846	3.848	-0.002	97	841748	50.0	50.5	
44 2,2-Dichloropropane	77	4.254	4.249	0.005	88	181920	25.0	27.4	
45 cis-1,2-Dichloroethene	96	4.272	4.267	0.005	83	175480	25.0	25.7	
43 2-Butanone (MEK)	43	4.284	4.280	0.004	100	652162	125.0	121.7	
48 Chlorobromomethane	128	4.460	4.462	-0.002	93	100063	25.0	26.3	
49 Tetrahydrofuran	42	4.479	4.480	-0.001	90	183605	50.0	50.0	
50 Chloroform	83	4.515	4.517	-0.002	95	261651	25.0	25.1	
51 1,1,1-Trichloroethane	97	4.631	4.632	-0.001	99	220644	25.0	27.2	
52 Cyclohexane	56	4.655	4.651	0.004	93	271748	25.0	29.3	
55 Carbon tetrachloride	117	4.746	4.748	-0.002	96	217520	25.0	28.4	
54 1,1-Dichloropropene	75	4.752	4.754	-0.002	97	220141	25.0	27.0	
53 Isobutyl alcohol	43	4.868	4.870	-0.002	94	342704	625.0	586.2	
57 Benzene	78	4.911	4.912	-0.001	97	596018	25.0	25.4	
58 1,2-Dichloroethane	62	4.947	4.949	-0.002	97	219990	25.0	25.2	
59 n-Heptane	43	5.063	5.058	0.005	95	258078	25.0	27.9	
62 Trichloroethene	95	5.391	5.393	-0.002	94	159688	25.0	25.7	
64 Methylcyclohexane	83	5.507	5.502	0.005	90	268504	25.0	28.3	
65 1,2-Dichloropropane	63	5.568	5.569	-0.001	95	147829	25.0	25.1	
66 1,4-Dioxane	88	5.671	5.667	0.004	93	38740	500.0	565.4	
67 Dibromomethane	93	5.677	5.673	0.004	91	106470	25.0	25.8	
68 Dichlorobromomethane	83	5.787	5.782	0.005	99	195151	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	5.987	5.983	0.004	93	108943	25.0	24.0	
77 trans-1,3-Dichloropropene	75	6.103	6.105	-0.002	94	240803	25.0	25.2	
73 4-Methyl-2-pentanone (MIBK	43	6.200	6.202	-0.002	96	1312263	125.0	124.3	
74 Toluene	92	6.340	6.342	-0.002	99	378537	25.0	25.4	
72 cis-1,3-Dichloropropene	75	6.529	6.524	0.005	98	213498	25.0	25.5	
75 Ethyl methacrylate	69	6.553	6.555	-0.002	92	219878	25.0	23.7	
79 1,1,2-Trichloroethane	83	6.675	6.670	0.005	92	111557	25.0	24.4	
81 Tetrachloroethene	166	6.754	6.756	-0.002	98	171325	25.0	25.5	
82 1,3-Dichloropropane	76	6.796	6.798	-0.002	89	230273	25.0	24.3	
80 2-Hexanone	43	6.833	6.835	-0.002	96	936173	125.0	115.8	
83 Chlorodibromomethane	129	6.985	6.981	0.004	90	173307	25.0	26.0	
84 Ethylene Dibromide	107	7.070	7.072	-0.002	99	151701	25.0	24.3	
87 Chlorobenzene	112	7.429	7.431	-0.002	97	418794	25.0	24.6	
88 Ethylbenzene	91	7.496	7.498	-0.002	98	669572	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	7.496	7.498	-0.002	47	170851	25.0	26.0	
90 m-Xylene & p-Xylene	106	7.581	7.583	-0.002	0	285488	25.0	25.5	
91 o-Xylene	106	7.904	7.905	-0.001	96	290180	25.0	25.9	
92 Styrene	104	7.922	7.924	-0.002	96	449755	25.0	24.7	
95 Bromoform	173	8.110	8.106	0.004	98	117851	25.0	25.0	
94 Isopropylbenzene	105	8.190	8.185	0.005	95	722401	25.0	26.0	
101 Bromobenzene	156	8.469	8.465	0.004	92	190852	25.0	23.7	
97 1,1,2,2-Tetrachloroethane	83	8.469	8.471	-0.002	95	223954	25.0	23.8	
100 1,2,3-Trichloropropane	110	8.506	8.508	-0.002	87	78234	25.0	24.7	
98 trans-1,4-Dichloro-2-buten	53	8.506	8.508	-0.002	74	61568	25.0	23.6	
99 N-Propylbenzene	91	8.518	8.520	-0.002	98	796142	25.0	25.2	
103 2-Chlorotoluene	126	8.609	8.611	-0.002	98	182470	25.0	24.9	
102 1,3,5-Trimethylbenzene	105	8.658	8.654	0.004	96	613881	25.0	26.0	
105 4-Chlorotoluene	126	8.694	8.696	-0.002	96	188054	25.0	24.6	
106 tert-Butylbenzene	134	8.926	8.921	0.005	90	151758	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	8.968	8.964	0.004	96	627196	25.0	25.4	
109 sec-Butylbenzene	105	9.102	9.098	0.004	93	753872	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.218	9.213	0.005	97	699713	25.0	26.7	
111 1,3-Dichlorobenzene	146	9.224	9.225	-0.001	99	372258	25.0	24.4	
113 1,4-Dichlorobenzene	146	9.297	9.298	-0.001	96	376092	25.0	23.8	
115 n-Butylbenzene	91	9.552	9.554	-0.002	96	544547	25.0	26.0	
116 1,2-Dichlorobenzene	146	9.613	9.609	0.004	99	371708	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	10.270	10.266	0.004	91	57919	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	10.933	10.929	0.004	94	270686	25.0	25.0	
120 Hexachlorobutadiene	225	11.043	11.044	-0.001	98	100951	25.0	26.7	
121 Naphthalene	128	11.134	11.136	-0.002	97	888601	25.0	25.3	
122 1,2,3-Trichlorobenzene	180	11.329	11.330	-0.001	96	257102	25.0	25.0	

Reagents:

GAS CORP mix_00126	Amount Added: 12.50	Units: uL	
8260 CORP mix_00060	Amount Added: 12.50	Units: uL	
Q_8260_IS_00108	Amount Added: 1.25	Units: uL	Run Reagent
Q_8260_SURR_00101	Amount Added: 1.25	Units: uL	Run Reagent

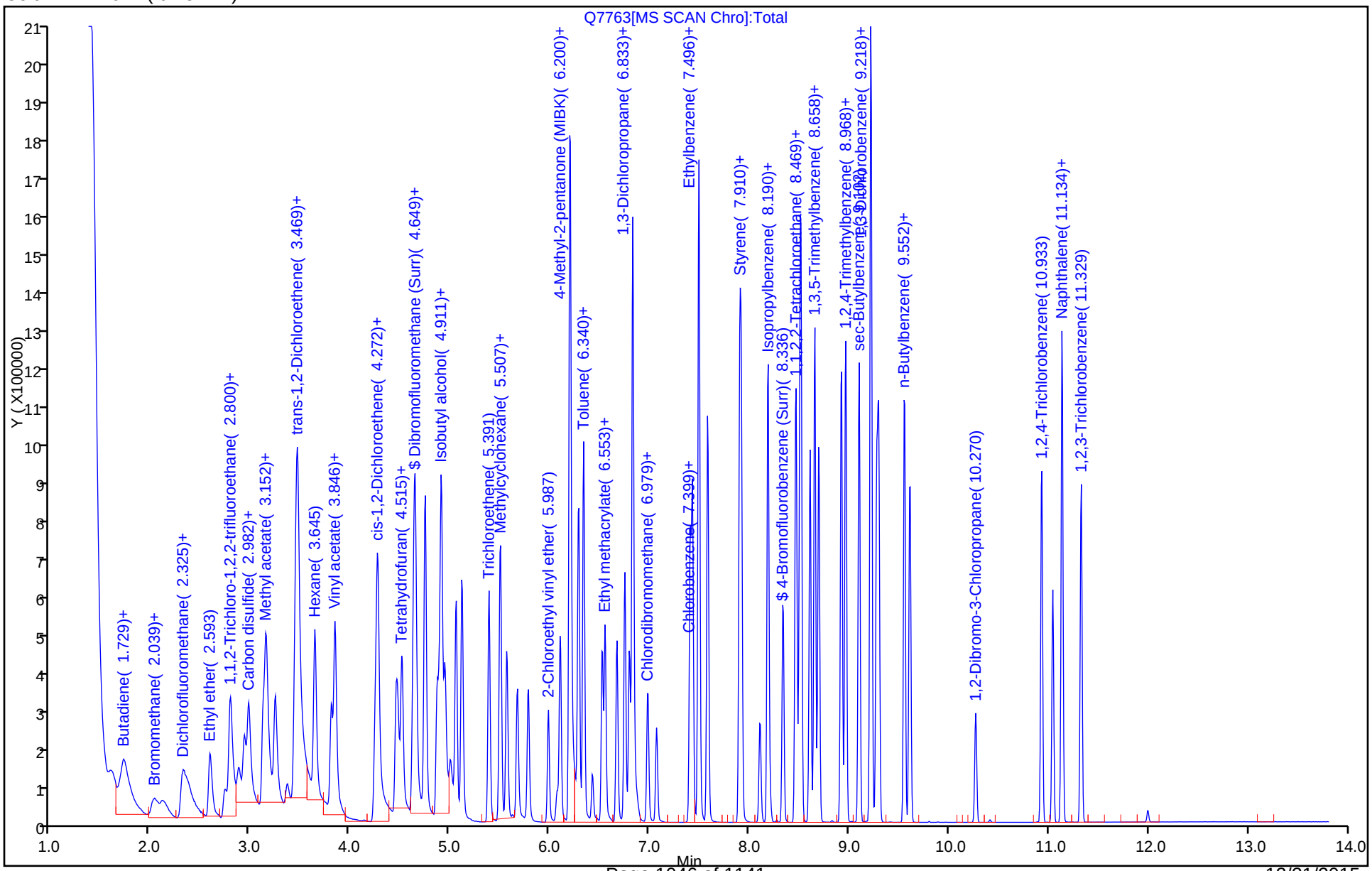
Report Date: 19-Dec-2015 01:07:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973Q\20151218-49402.b\Q7763.D

Injection Date:	19-Dec-2015 00:28:30	Instrument ID:	HP5973Q	Operator ID:	GF
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Q-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280619/1-A

Matrix: Solid | Lab File ID: S6306.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/19/2015 00:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280605 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2500		100	28
79-34-5	1,1,2,2-Tetrachloroethane	2710		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2540		100	50
79-00-5	1,1,2-Trichloroethane	2400		100	21
75-34-3	1,1-Dichloroethane	2390		100	31
75-35-4	1,1-Dichloroethene	2260		100	34
120-82-1	1,2,4-Trichlorobenzene	2600		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	2800		100	50
106-93-4	1,2-Dibromoethane	2510		100	17
95-50-1	1,2-Dichlorobenzene	2520		100	25
107-06-2	1,2-Dichloroethane	2250		100	41
78-87-5	1,2-Dichloropropane	2340		100	16
541-73-1	1,3-Dichlorobenzene	2570		100	27
106-46-7	1,4-Dichlorobenzene	2570		100	14
78-93-3	2-Butanone (MEK)	12300		500	300
591-78-6	2-Hexanone	13500		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	12900		500	32
67-64-1	Acetone	13300		500	410
71-43-2	Benzene	2410		100	19
75-27-4	Bromodichloromethane	2370		100	20
75-25-2	Bromoform	2310		100	50
74-83-9	Bromomethane	2260		100	22
75-15-0	Carbon disulfide	2160		100	45
56-23-5	Carbon tetrachloride	2250		100	25
108-90-7	Chlorobenzene	2360		100	13
75-00-3	Chloroethane	1720		100	21
67-66-3	Chloroform	2340		100	68
74-87-3	Chloromethane	2010		100	24
156-59-2	cis-1,2-Dichloroethene	2300		100	27
10061-01-5	cis-1,3-Dichloropropene	2330		100	24
110-82-7	Cyclohexane	2550		100	22
124-48-1	Dibromochloromethane	2250		100	48
75-71-8	Dichlorodifluoromethane	2040		100	43
100-41-4	Ethylbenzene	2660		100	29
98-82-8	Isopropylbenzene	2910		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280619/1-A

Matrix: Solid | Lab File ID: S6306.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/19/2015 00:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280605 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	13400		100	47
1634-04-4	Methyl tert-butyl ether	2320		100	38
108-87-2	Methylcyclohexane	2560		100	47
75-09-2	Methylene Chloride	2290		100	20
100-42-5	Styrene	2490		100	24
127-18-4	Tetrachloroethene	2460		100	13
108-88-3	Toluene	2540		100	27
156-60-5	trans-1,2-Dichloroethene	2280		100	24
10061-02-6	trans-1,3-Dichloropropene	2540		100	9.8
79-01-6	Trichloroethene	2330		100	28
75-69-4	Trichlorofluoromethane	2730		100	47
75-01-4	Vinyl chloride	2260		100	33
1330-20-7	Xylenes, Total	4850		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		53-146
460-00-4	4-Bromofluorobenzene (Surr)	98		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6306.D
Lims ID: LCS 480-280619/1-A
Client ID:
Sample Type: LCS
Inject. Date: 19-Dec-2015 00:27:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS ML
Misc. Info.: 480-0049403-007
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 01:21:48 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: fortaing Date: 19-Dec-2015 01:22:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	102767	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	207281	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	76	190610	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	62	115109	27.2	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	84606	27.2	26.5	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	501974	27.2	27.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	155433	27.2	26.5	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	85	108234	25.0	20.5	
11 Chlorodifluoromethane	51	1.267	1.273	-0.006	76	119650	25.0	17.9	
12 Chloromethane	50	1.407	1.407	0.000	89	204695	25.0	20.2	
13 Vinyl chloride	62	1.504	1.504	0.000	81	124059	25.0	22.7	
151 Butadiene	54	1.529	1.529	0.000	87	172068	25.0	26.0	
14 Bromomethane	94	1.790	1.790	0.000	90	37867	25.0	22.7	
15 Chloroethane	64	1.882	1.882	0.000	92	39900	25.0	17.3	
17 Trichlorofluoromethane	101	2.101	2.101	0.000	67	134310	25.0	27.4	
16 Dichlorofluoromethane	67	2.107	2.107	0.000	79	140432	25.0	24.1	
148 Ethanol	45	2.484	2.411	0.073	75	71284	1000.0	871.8	M
18 Ethyl ether	59	2.423	2.423	0.000	95	131810	25.0	22.2	
20 Acrolein	56	2.587	2.587	0.000	92	120512	125.0	105.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.630	2.630	0.000	49	104257	25.0	25.5	
22 1,1-Dichloroethene	96	2.642	2.642	0.000	77	104702	25.0	22.7	
23 Acetone	43	2.758	2.758	0.000	99	255874	125.0	133.8	
25 Iodomethane	142	2.806	2.806	0.000	98	147368	25.0	28.4	
26 Carbon disulfide	76	2.831	2.831	0.000	99	287513	25.0	21.7	
24 Isopropyl alcohol	45	2.971	2.922	0.049	80	93986	250.0	257.4	
28 3-Chloro-1-propene	41	2.989	2.989	0.000	87	204360	25.0	21.4	M
29 Acetonitrile	40	3.044	3.025	0.019	39	114109	250.0	246.8	M
27 Methyl acetate	43	3.050	3.050	0.000	97	661211	125.0	134.1	
30 Methylene Chloride	84	3.153	3.153	0.000	78	109967	25.0	23.0	
31 2-Methyl-2-propanol	59	3.336	3.336	0.000	96	138634	250.0	272.0	
32 Methyl tert-butyl ether	73	3.372	3.372	0.000	92	312825	25.0	23.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96	3.372	3.372	0.000	63	109401	25.0	22.9	
33 Acrylonitrile	53	3.409	3.409	0.000	96	663819	250.0	250.8	
35 Hexane	57	3.585	3.585	0.000	94	278266	25.0	25.9	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	85	248697	25.0	24.0	
139 Halothane	117	3.822	3.822	0.000	41	65344	NC	NC	
36 Isopropyl ether	45	3.828	3.822	0.006	83	548092	25.0	23.4	
37 Vinyl acetate	43	3.841	3.841	0.000	96	921312	50.0	71.4	
40 2-Chloro-1,3-butadiene	53	3.853	3.853	0.000	43	259231	25.0	23.4	
41 Tert-butyl ethyl ether	59	4.169	4.163	0.006	98	433925	25.0	22.3	
44 2,2-Dichloropropane	77	4.309	4.309	0.000	89	101613	25.0	27.5	
45 cis-1,2-Dichloroethene	96	4.339	4.339	0.000	72	120845	25.0	23.1	
43 2-Butanone (MEK)	43	4.376	4.376	0.000	91	373650	125.0	123.2	
42 Ethyl acetate	43	4.418	4.413	0.005	89	308702	50.0	56.9	
46 Propionitrile	54	4.461	4.455	0.006	97	224283	250.0	218.1	
48 Chlorobromomethane	128	4.571	4.571	0.000	41	55051	25.0	20.3	
47 Methacrylonitrile	41	4.577	4.577	0.000	96	995470	250.0	227.1	
49 Tetrahydrofuran	42	4.607	4.607	0.000	63	140472	50.0	61.6	
50 Chloroform	83	4.650	4.650	0.000	75	187728	25.0	23.5	
51 1,1,1-Trichloroethane	97	4.777	4.777	0.000	89	143978	25.0	25.1	
52 Cyclohexane	56	4.796	4.796	0.000	91	316249	25.0	25.6	
55 Carbon tetrachloride	117	4.923	4.923	0.000	63	120042	25.0	22.6	
54 1,1-Dichloropropene	75	4.930	4.930	0.000	87	157405	25.0	24.2	
141 2,4,4-Trimethyl-1-pentene	55	4.930	4.930	0.000	1	2333	NC	NC	
57 Benzene	78	5.130	5.130	0.000	95	446333	25.0	24.2	
53 Isobutyl alcohol	43	5.149	5.149	0.000	76	240054	625.0	932.5	
140 2,4,4-Trimethyl-2-pentene	97		5.153				ND	ND	
152 Isooctane	57	5.161	5.161	0.000	88	570454	25.0	23.7	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	189446	25.0	22.6	
147 t-Amyl alcohol	59	5.209	5.191	0.018	7	106043	250.0	271.2	
56 Tert-amyl methyl ether	73	5.222	5.222	0.000	70	322100	25.0	23.4	
59 n-Heptane	43	5.337	5.337	0.000	95	307485	25.0	27.6	
1 1,4-Difluorobenzene	114	5.507	5.514	-0.007	94	315684	25.0	21.8	
62 Trichloroethene	95	5.745	5.745	0.000	89	113845	25.0	23.4	
60 n-Butanol	56	5.769	5.751	0.018	81	72882	625.0	772.6	
142 Ethyl acrylate	55	5.885	5.867	0.019	90	769721	25.0	104.1	E
64 Methylcyclohexane	83	5.879	5.879	0.000	76	212087	25.0	25.7	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	85	134689	25.0	23.5	
63 Methyl methacrylate	41	6.085	6.079	0.006	89	273054	50.0	47.1	
67 Dibromomethane	93	6.104	6.104	0.000	91	62747	25.0	23.7	
66 1,4-Dioxane	88	6.122	6.122	0.000	33	21132	500.0	489.4	
68 Dichlorobromomethane	83	6.262	6.262	0.000	87	120756	25.0	23.8	
70 2-Nitropropane	43	6.499	6.499	0.000	78	25369	50.0	40.7	
69 2-Chloroethyl vinyl ether	63	6.542	6.542	0.000	67	86505	25.0	22.9	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	83	168165	25.0	23.4	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	97	738764	125.0	129.8	
74 Toluene	92	6.980	6.980	0.000	88	286183	25.0	25.5	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	94	147407	25.0	25.6	
75 Ethyl methacrylate	69	7.308	7.308	0.000	91	124899	25.0	26.7	
79 1,1,2-Trichloroethane	83	7.430	7.430	0.000	90	74984	25.0	24.1	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	133801	25.0	24.7	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	96	172006	25.0	25.6	
80 2-Hexanone	43	7.667	7.667	0.000	99	521155	125.0	135.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	7.789	7.783	0.006	98	220642	25.0	27.0	
83 Chlorodibromomethane	129	7.831	7.831	0.000	81	76203	25.0	22.6	
84 Ethylene Dibromide	107	7.935	7.935	0.000	98	92620	25.0	25.2	
146 1-Chlorohexane	55	8.385	8.385	0.000	82	169555	25.0	25.6	
85 3-Chlorobenzotrifluoride	180	8.397	8.397	0.000	80	177906	25.0	28.1	
87 Chlorobenzene	112	8.421	8.421	0.000	83	310561	25.0	23.7	
86 4-Chlorobenzotrifluoride	180	8.458	8.458	0.000	59	164323	25.0	27.5	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	36	96095	25.0	24.0	
88 Ethylbenzene	91	8.519	8.519	0.000	93	544562	25.0	26.7	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	209055	25.0	24.2	
91 o-Xylene	106	9.066	9.066	0.000	97	206033	25.0	24.5	
92 Styrene	104	9.097	9.097	0.000	94	339609	25.0	25.0	
95 Bromoform	173	9.328	9.328	0.000	89	36522	25.0	23.2	
93 2-Chlorobenzotrifluoride	180	9.371	9.371	0.000	92	168509	25.0	27.2	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	534994	25.0	29.2	
96 Cyclohexanone	55	9.602	9.602	0.000	88	43392	250.0	256.7	
101 Bromobenzene	156	9.790	9.790	0.000	94	129509	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	80	110245	25.0	27.2	
100 1,2,3-Trichloropropane	110	9.863	9.863	0.000	78	36873	25.0	25.8	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	27	30007	25.0	16.1	
99 N-Propylbenzene	91	9.882	9.882	0.000	97	638973	25.0	30.7	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	127801	25.0	27.9	
104 3-Chlorotoluene	126	10.046	10.046	0.000	97	127125	25.0	26.4	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	90	455312	25.0	29.0	
105 4-Chlorotoluene	126	10.094	10.094	0.000	81	131246	25.0	26.5	
106 tert-Butylbenzene	134	10.380	10.380	0.000	91	107791	25.0	29.0	
108 Pentachloroethane	167	10.429	10.429	0.000	33	54669	25.0	30.4	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	63	470025	25.0	29.3	
109 sec-Butylbenzene	105	10.593	10.593	0.000	94	592285	25.0	30.1	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	95	256377	25.0	25.8	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	92	503665	25.0	27.7	
114 Dicyclopentadiene	66	10.794	10.794	0.000	95	568567	25.0	28.2	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	86	260559	25.0	25.8	
112 1,2,3-Trimethylbenzene	105	10.843	10.843	0.000	42	440245	25.0	28.7	
150 Benzyl chloride	126	10.946	10.946	0.000	98	32676	25.0	19.4	
115 n-Butylbenzene	91	11.117	11.117	0.000	95	456897	25.0	31.2	
116 1,2-Dichlorobenzene	146	11.153	11.153	0.000	91	243778	25.0	25.3	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	58	17179	25.0	28.1	
118 1,3,5-Trichlorobenzene	180	12.029	12.029	0.000	96	186146	25.0	27.1	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	93	185354	25.0	26.2	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	92	91353	25.0	29.0	
121 Naphthalene	128	12.771	12.771	0.000	97	415013	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.000	92	174753	25.0	26.2	
149 2-Methylnaphthalene	142	13.684	13.684	0.000	87	238644	25.0	25.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

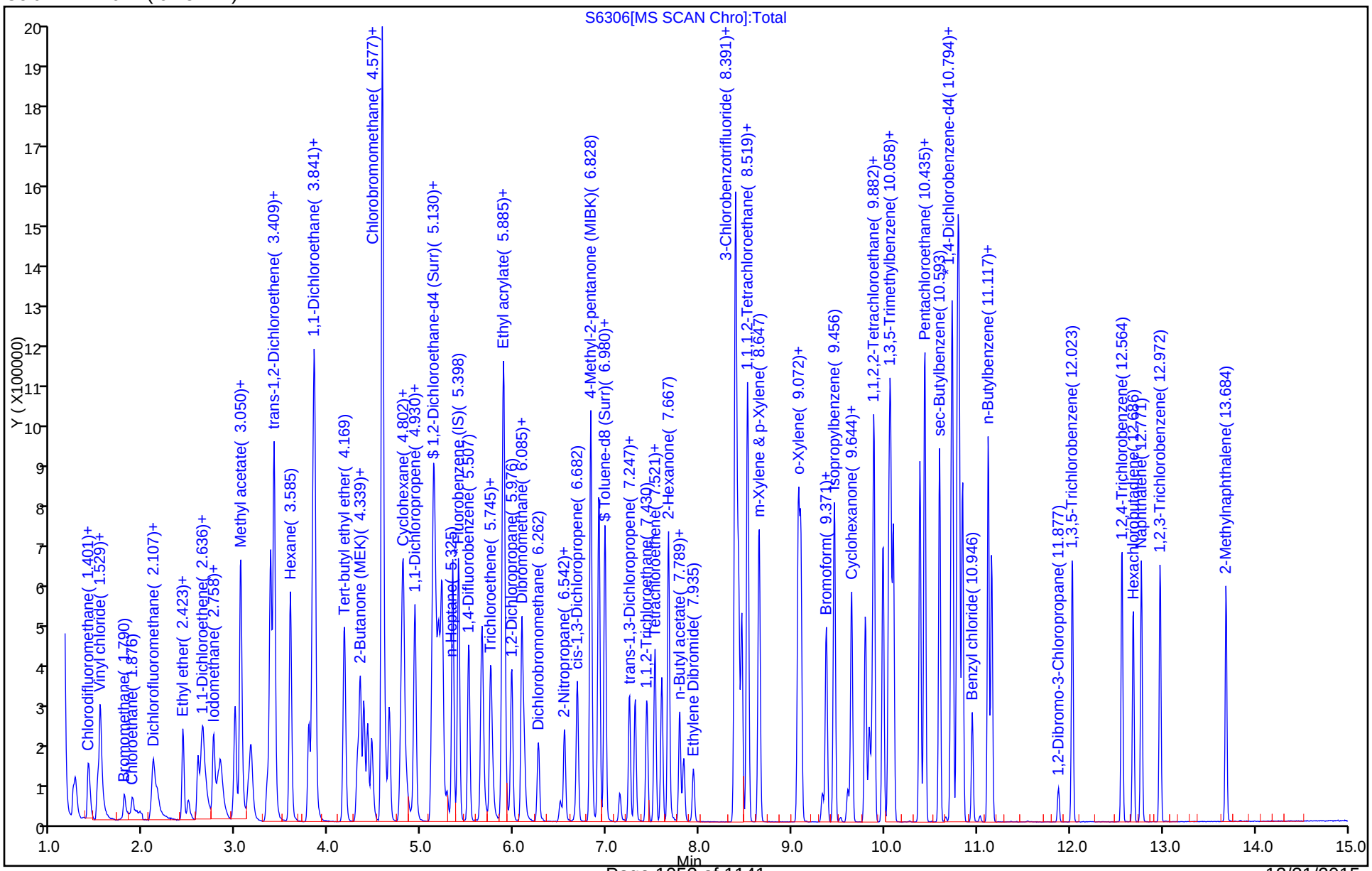
Report Date: 19-Dec-2015 01:22:17 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151218-49403.b\S6306.D

Injection Date:	19-Dec-2015 00:27:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	LCS 480-280619/1-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-281171/1-A

Matrix: Solid | Lab File ID: S6483.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.08(g) | Date Analyzed: 12/22/2015 22:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2300		98	27
79-34-5	1,1,2,2-Tetrachloroethane	2280		98	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2220		98	49
79-00-5	1,1,2-Trichloroethane	2180		98	21
75-34-3	1,1-Dichloroethane	2090		98	30
75-35-4	1,1-Dichloroethene	1970		98	34
120-82-1	1,2,4-Trichlorobenzene	2310		98	37
96-12-8	1,2-Dibromo-3-Chloropropane	1920		98	49
106-93-4	1,2-Dibromoethane	2160		98	17
95-50-1	1,2-Dichlorobenzene	2340		98	25
107-06-2	1,2-Dichloroethane	1940		98	40
78-87-5	1,2-Dichloropropane	2120		98	16
541-73-1	1,3-Dichlorobenzene	2360		98	26
106-46-7	1,4-Dichlorobenzene	2340		98	14
78-93-3	2-Butanone (MEK)	10000		490	290
591-78-6	2-Hexanone	10800		490	200
108-10-1	4-Methyl-2-pentanone (MIBK)	10600		490	31
67-64-1	Acetone	10800		490	400
71-43-2	Benzene	2170		98	19
75-27-4	Bromodichloromethane	2030		98	20
75-25-2	Bromoform	1900		98	49
74-83-9	Bromomethane	1640		98	22
75-15-0	Carbon disulfide	1760		98	45
56-23-5	Carbon tetrachloride	2030		98	25
108-90-7	Chlorobenzene	2180		98	13
75-00-3	Chloroethane	1190		98	20
67-66-3	Chloroform	2080		98	68
74-87-3	Chloromethane	1560		98	23
156-59-2	cis-1,2-Dichloroethene	2050		98	27
10061-01-5	cis-1,3-Dichloropropene	2080		98	24
110-82-7	Cyclohexane	2260		98	22
124-48-1	Dibromochloromethane	1870		98	48
75-71-8	Dichlorodifluoromethane	1300		98	43
100-41-4	Ethylbenzene	2410		98	29
98-82-8	Isopropylbenzene	2640		98	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-281171/1-A

Matrix: Solid | Lab File ID: S6483.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.08(g) | Date Analyzed: 12/22/2015 22:11

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	10300		98	47
1634-04-4	Methyl tert-butyl ether	2020		98	37
108-87-2	Methylcyclohexane	2320		98	46
75-09-2	Methylene Chloride	2070		98	19
100-42-5	Styrene	2300		98	24
127-18-4	Tetrachloroethene	2210		98	13
108-88-3	Toluene	2340		98	26
156-60-5	trans-1,2-Dichloroethene	2040		98	23
10061-02-6	trans-1,3-Dichloropropene	2250		98	9.7
79-01-6	Trichloroethene	2080		98	27
75-69-4	Trichlorofluoromethane	2280		98	46
75-01-4	Vinyl chloride	1850		98	33
1330-20-7	Xylenes, Total	4500		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		53-146
460-00-4	4-Bromofluorobenzene (Surr)	96		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6483.D
Lims ID: LCS 480-281171/1-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Dec-2015 22:11:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-281171/1-A
Misc. Info.: 480-0049505-005
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 10:19:28 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: goliszekg Date: 23-Dec-2015 08:03:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	119615	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	238533	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	86	224244	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	59	127216	27.2	23.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	90352	27.2	24.4	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	84	575459	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	175413	27.2	26.0	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	85	81359	25.0	13.2	
12 Chloromethane	50	1.401	1.407	-0.006	89	186834	25.0	15.8	
13 Vinyl chloride	62	1.498	1.511	-0.013	82	119467	25.0	18.8	
151 Butadiene	54	1.529	1.541	-0.012	88	154079	25.0	20.0	
14 Bromomethane	94	1.790	1.821	-0.031	90	32393	25.0	16.7	
15 Chloroethane	64	1.876	1.924	-0.048	95	32781	25.0	12.1	
16 Dichlorofluoromethane	67	2.107	2.137	-0.030	79	143256	25.0	21.1	
17 Trichlorofluoromethane	101	2.101	2.149	-0.048	63	132090	25.0	23.1	
18 Ethyl ether	59	2.423	2.423	0.000	98	138210	25.0	20.0	
20 Acrolein	56	2.581	2.581	0.000	93	118663	125.0	88.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.636	2.660	-0.024	53	107210	25.0	22.5	
22 1,1-Dichloroethene	96	2.642	2.667	-0.025	78	107556	25.0	20.0	
23 Acetone	43	2.752	2.740	0.012	98	244257	125.0	109.7	
25 Iodomethane	142	2.800	2.819	-0.019	98	142186	25.0	23.6	
26 Carbon disulfide	76	2.837	2.855	-0.018	99	275650	25.0	17.8	
28 3-Chloro-1-propene	41	2.989	3.001	-0.012	87	260344	25.0	23.4	
27 Methyl acetate	43	3.044	3.044	0.000	97	602905	125.0	105.0	
30 Methylene Chloride	84	3.159	3.171	-0.012	86	117296	25.0	21.0	
31 2-Methyl-2-propanol	59	3.330	3.299	0.031	95	124641	250.0	210.1	
32 Methyl tert-butyl ether	73	3.372	3.372	0.000	92	320559	25.0	20.5	
34 trans-1,2-Dichloroethene	96	3.366	3.378	-0.012	75	115235	25.0	20.7	
33 Acrylonitrile	53	3.409	3.409	0.000	97	639158	250.0	207.5	
35 Hexane	57	3.585	3.597	-0.012	94	276876	25.0	22.1	
39 1,1-Dichloroethane	63	3.786	3.792	-0.006	85	256000	25.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.847	3.847	0.000	97	642471	50.0	42.8	
44 2,2-Dichloropropane	77	4.309	4.321	-0.012	91	112270	25.0	26.1	
45 cis-1,2-Dichloroethene	96	4.339	4.346	-0.007	73	126554	25.0	20.8	
43 2-Butanone (MEK)	43	4.376	4.370	0.006	92	358653	125.0	101.6	
48 Chlorobromomethane	128	4.571	4.577	-0.006	81	56065	25.0	17.8	
49 Tetrahydrofuran	42	4.607	4.607	0.000	94	98216	50.0	37.0	
50 Chloroform	83	4.650	4.656	-0.006	83	196424	25.0	21.2	
51 1,1,1-Trichloroethane	97	4.777	4.784	-0.007	89	155543	25.0	23.3	
52 Cyclohexane	56	4.802	4.808	-0.006	90	329505	25.0	22.9	
55 Carbon tetrachloride	117	4.923	4.930	-0.007	62	127188	25.0	20.6	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	89	167691	25.0	22.2	
53 Isobutyl alcohol	43	5.142	5.130	0.012	59	134396	625.0	448.6	
57 Benzene	78	5.130	5.136	-0.006	95	475069	25.0	22.1	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	192614	25.0	19.7	
59 n-Heptane	43	5.337	5.343	-0.006	95	296496	25.0	22.8	
62 Trichloroethene	95	5.745	5.751	-0.006	90	120065	25.0	21.2	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	227204	25.0	23.6	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	92	143764	25.0	21.5	
67 Dibromomethane	93	6.104	6.110	-0.006	90	63512	25.0	20.6	
66 1,4-Dioxane	88	6.128	6.122	0.006	73	15991	500.0	321.8	
68 Dichlorobromomethane	83	6.262	6.262	0.000	87	121683	25.0	20.6	
69 2-Chloroethyl vinyl ether	63	6.548	6.548	0.000	89	85422	25.0	19.4	
72 cis-1,3-Dichloropropene	75	6.682	6.688	-0.006	84	176588	25.0	21.1	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	704977	125.0	107.7	
74 Toluene	92	6.980	6.986	-0.006	88	307988	25.0	23.8	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	94	151714	25.0	22.9	
75 Ethyl methacrylate	69	7.308	7.308	0.000	94	125488	25.0	23.3	
79 1,1,2-Trichloroethane	83	7.430	7.436	-0.006	89	79371	25.0	22.2	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	140032	25.0	22.5	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	94	178197	25.0	23.1	
80 2-Hexanone	43	7.667	7.667	0.000	98	485260	125.0	109.3	
83 Chlorodibromomethane	129	7.831	7.831	0.000	80	73770	25.0	19.0	
84 Ethylene Dibromide	107	7.935	7.935	0.000	97	93067	25.0	22.0	
87 Chlorobenzene	112	8.422	8.422	0.000	89	334095	25.0	22.1	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	34	96875	25.0	21.0	
88 Ethylbenzene	91	8.525	8.525	0.000	98	574306	25.0	24.5	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	228820	25.0	23.0	
91 o-Xylene	106	9.072	9.073	-0.001	97	219470	25.0	22.6	
92 Styrene	104	9.097	9.097	0.000	93	364900	25.0	23.4	
95 Bromoform	173	9.328	9.328	0.000	93	34833	25.0	19.3	
94 Isopropylbenzene	105	9.456	9.456	0.000	96	578566	25.0	26.8	
101 Bromobenzene	156	9.796	9.796	0.000	93	139715	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	80	110460	25.0	23.2	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	55	37359	25.0	22.2	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	24	41865	25.0	19.1	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	686359	25.0	28.0	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	130502	25.0	24.2	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	93	491064	25.0	26.6	
105 4-Chlorotoluene	126	10.094	10.095	-0.001	98	140183	25.0	24.1	
106 tert-Butylbenzene	134	10.380	10.380	0.000	87	114732	25.0	26.2	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	69	508568	25.0	26.9	
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	634438	25.0	27.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	280376	25.0	23.9	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	92	541676	25.0	25.3	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	92	282224	25.0	23.8	
115 n-Butylbenzene	91	11.117	11.123	-0.006	95	492790	25.0	28.6	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	92	269549	25.0	23.7	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	52	14009	25.0	19.5	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	93	195546	25.0	23.5	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	92	94224	25.0	25.4	
121 Naphthalene	128	12.771	12.771	0.000	97	412989	25.0	21.3	
122 1,2,3-Trichlorobenzene	180	12.972	12.972	0.000	95	178562	25.0	22.8	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

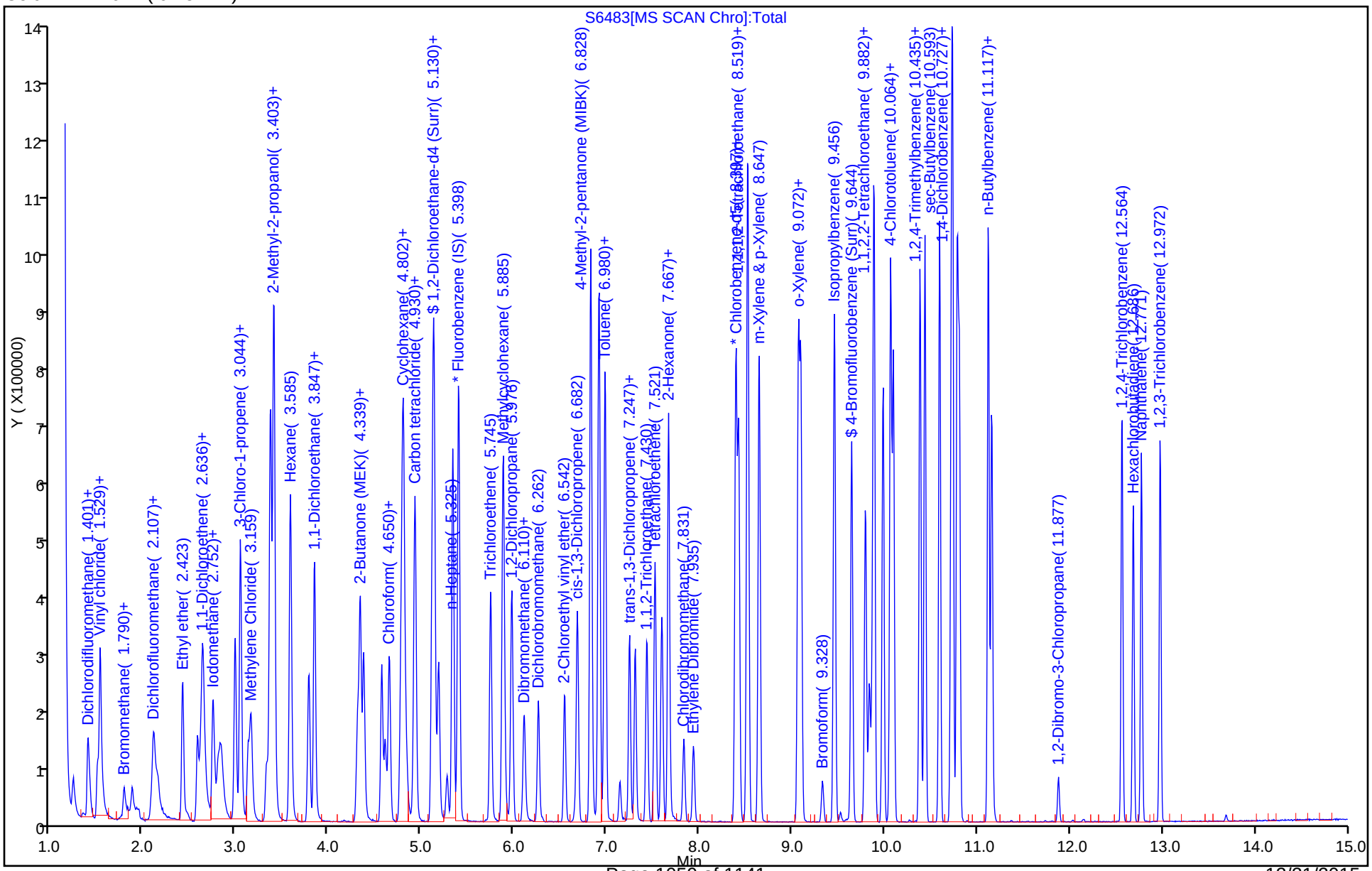
Report Date: 23-Dec-2015 10:19:29 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6483.D

Injection Date:	22-Dec-2015 22:11:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	LCS 480-281171/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 MS | Lab Sample ID: 480-92332-14 MS

Matrix: Solid | Lab File ID: S6385.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.02(g) | Date Analyzed: 12/20/2015 21:56

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2500		1100	300
79-34-5	1,1,2,2-Tetrachloroethane	2600		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1630		1100	550
79-00-5	1,1,2-Trichloroethane	2430		1100	230
75-34-3	1,1-Dichloroethane	2240		1100	340
75-35-4	1,1-Dichloroethene	1290		1100	380
120-82-1	1,2,4-Trichlorobenzene	2400		1100	420
96-12-8	1,2-Dibromo-3-Chloropropane	2400		1100	550
106-93-4	1,2-Dibromoethane	2340		1100	190
95-50-1	1,2-Dichlorobenzene	2530		1100	280
107-06-2	1,2-Dichloroethane	2340		1100	450
78-87-5	1,2-Dichloropropane	2170		1100	180
541-73-1	1,3-Dichlorobenzene	2600		1100	290
106-46-7	1,4-Dichlorobenzene	2760		1100	150
78-93-3	2-Butanone (MEK)	11200		5500	3300
591-78-6	2-Hexanone	12700		5500	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	12300		5500	350
67-64-1	Acetone	13300		5500	4500
71-43-2	Benzene	2440		1100	210
75-27-4	Bromodichloromethane	2150		1100	220
75-25-2	Bromoform	1780		1100	550
74-83-9	Bromomethane	1250		1100	240
75-15-0	Carbon disulfide	938	J	1100	500
56-23-5	Carbon tetrachloride	2200		1100	280
108-90-7	Chlorobenzene	2400		1100	150
75-00-3	Chloroethane	895	J	1100	230
67-66-3	Chloroform	2490		1100	750
74-87-3	Chloromethane	ND		1100	260
156-59-2	cis-1,2-Dichloroethene	2830		1100	300
10061-01-5	cis-1,3-Dichloropropene	1860		1100	260
110-82-7	Cyclohexane	1940		1100	240
124-48-1	Dibromochloromethane	2070		1100	530
75-71-8	Dichlorodifluoromethane	ND		1100	480
100-41-4	Ethylbenzene	3330		1100	320
98-82-8	Isopropylbenzene	2790		1100	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 MS | Lab Sample ID: 480-92332-14 MS

Matrix: Solid | Lab File ID: S6385.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.02(g) | Date Analyzed: 12/20/2015 21:56

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	14500		1100	520
1634-04-4	Methyl tert-butyl ether	2090		1100	420
108-87-2	Methylcyclohexane	2280		1100	510
75-09-2	Methylene Chloride	1450		1100	220
100-42-5	Styrene	2280		1100	260
127-18-4	Tetrachloroethene	53500		1100	150
108-88-3	Toluene	2680		1100	290
156-60-5	trans-1,2-Dichloroethene	2150		1100	260
10061-02-6	trans-1,3-Dichloropropene	1980		1100	110
79-01-6	Trichloroethene	7310		1100	310
75-69-4	Trichlorofluoromethane	1750		1100	520
75-01-4	Vinyl chloride	767	J	1100	370
1330-20-7	Xylenes, Total	5000		2200	610

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	99		49-148
2037-26-5	Toluene-d8 (Surr)	102		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6385.D
Lims ID: 480-92332-A-14-E MS
Client ID:
Sample Type: MS
Inject. Date: 20-Dec-2015 21:56:30 ALS Bottle#: 28 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-14-C MS
Misc. Info.: 480-0049418-027
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:53 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.398	0.006	97	95651	2.50	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	191027	2.50	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	95	182536	2.50	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	75575	27.2	25.5	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	465528	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	145740	27.2	27.0	
10 Dichlorodifluoromethane	85		1.243				ND	ND	
12 Chloromethane	50		1.407				ND	ND	
13 Vinyl chloride	62	1.511	1.504	0.007	20	3546	2.50	0.6977	
14 Bromomethane	94	1.790	1.809	-0.019	11	1770	2.50	1.14	
15 Chloroethane	64	1.912	1.912	0.000	41	2348	2.50	0.8148	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	28	7257	2.50	1.59	
21 1,1,2-Trichloro-1,2,2-trif	101	2.660	2.648	0.012	4	5629	2.50	1.48	
22 1,1-Dichloroethene	96	2.654	2.648	0.006	51	5065	2.50	1.18	
23 Acetone	43	2.739	2.733	0.006	90	21475	12.5	12.1	
26 Carbon disulfide	76	2.855	2.849	0.006	63	10542	2.50	0.8532	
27 Methyl acetate	43	3.050	3.038	0.012	97	60446	12.5	13.2	
30 Methylene Chloride	84	3.153	3.159	-0.006	64	8651	2.50	1.32	
32 Methyl tert-butyl ether	73	3.372	3.366	0.006	80	23743	2.50	1.90	
34 trans-1,2-Dichloroethene	96	3.378	3.372	0.006	77	8706	2.50	1.96	
39 1,1-Dichloroethane	63	3.792	3.786	0.006	54	19658	2.50	2.04	
45 cis-1,2-Dichloroethene	96	4.345	4.339	0.006	60	12502	2.50	2.57	
43 2-Butanone (MEK)	43	4.376	4.370	0.006	82	28712	12.5	10.2	
50 Chloroform	83	4.656	4.650	0.006	56	16800	2.50	2.26	
51 1,1,1-Trichloroethane	97	4.777	4.777	0.000	71	12137	2.50	2.28	
52 Cyclohexane	56	4.802	4.802	0.000	28	20285	2.50	1.77	
55 Carbon tetrachloride	117	4.929	4.923	0.006	48	9907	2.50	2.00	
57 Benzene	78	5.136	5.130	0.006	91	38129	2.50	2.22	
58 1,2-Dichloroethane	62	5.191	5.185	0.006	66	16601	2.50	2.13	
62 Trichloroethene	95	5.751	5.745	0.006	86	30145	2.50	6.65	
64 Methylcyclohexane	83	5.885	5.879	0.006	76	15925	2.50	2.07	
65 1,2-Dichloropropane	63	5.970	5.976	-0.006	66	10539	2.50	1.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83	6.262	6.262	0.000	58	9261	2.50	1.96	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	46	11303	2.50	1.69	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.822	0.006	95	58911	12.5	11.2	
74 Toluene	92	6.980	6.980	0.000	82	25220	2.50	2.43	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	67	9554	2.50	1.80	
79 1,1,2-Trichloroethane	83	7.436	7.430	0.006	56	6331	2.50	2.21	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	242968	2.50	48.7	
80 2-Hexanone	43	7.667	7.667	0.000	94	40945	12.5	11.5	
83 Chlorodibromomethane	129	7.825	7.831	-0.006	21	5859	2.50	1.88	
84 Ethylene Dibromide	107	7.935	7.935	0.000	39	7214	2.50	2.13	
87 Chlorobenzene	112	8.421	8.422	-0.001	45	26414	2.50	2.18	
88 Ethylbenzene	91	8.525	8.525	0.000	94	56849	2.50	3.03	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	18370		2.31	
91 o-Xylene	106	9.066	9.066	0.000	90	17353		2.24	
92 Styrene	104	9.097	9.097	0.000	69	25965	2.50	2.08	
95 Bromoform	173	9.334	9.328	0.006	8	2347	2.50	1.62	
94 Isopropylbenzene	105	9.456	9.456	0.000	84	44472	2.50	2.54	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	46	9180	2.50	2.36	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	82	22534	2.50	2.36	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	56	24222	2.50	2.51	
116 1,2-Dichlorobenzene	146	11.159	11.153	0.006	83	21317	2.50	2.31	
117 1,2-Dibromo-3-Chloropropan	75	11.871	11.877	-0.006	1	1278	2.50	2.18	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	66	14822	2.50	2.18	
S 124 Xylenes, Total	1				0			4.54	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

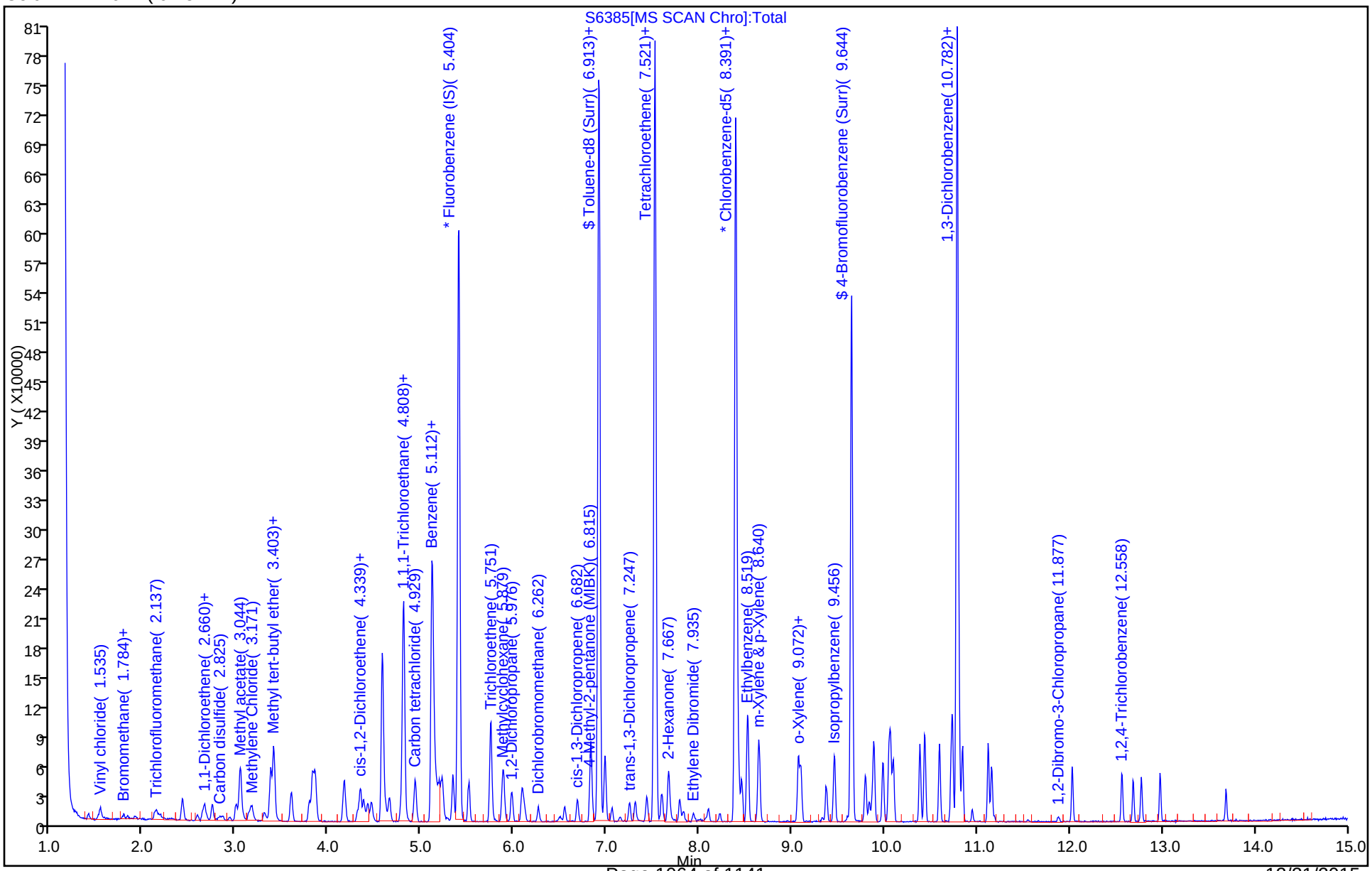
Report Date: 21-Dec-2015 15:18:54 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6385.D

Injection Date:	20-Dec-2015 21:56:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-14-E MS			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	28
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S2 MS | Lab Sample ID: 480-92332-15 MS

Matrix: Solid | Lab File ID: P2419.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:30

Sample wt/vol: 5.03(g) | Date Analyzed: 12/16/2015 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	37.1		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	25.3		5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	34.3		5.4	1.2
79-00-5	1,1,2-Trichloroethane	30.0		5.4	0.70
75-34-3	1,1-Dichloroethane	34.7		5.4	0.65
75-35-4	1,1-Dichloroethene	32.1		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	3.88	J	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		5.4	2.7
106-93-4	1,2-Dibromoethane	23.9		5.4	0.69
95-50-1	1,2-Dichlorobenzene	15.8		5.4	0.42
107-06-2	1,2-Dichloroethane	31.3		5.4	0.27
78-87-5	1,2-Dichloropropane	31.9		5.4	2.7
541-73-1	1,3-Dichlorobenzene	13.0		5.4	0.28
106-46-7	1,4-Dichlorobenzene	12.7		5.4	0.75
78-93-3	2-Butanone (MEK)	133		27	2.0
591-78-6	2-Hexanone	119		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	133		27	1.8
67-64-1	Acetone	157		27	4.5
71-43-2	Benzene	33.2		5.4	0.26
75-27-4	Bromodichloromethane	33.3		5.4	0.72
75-25-2	Bromoform	26.1		5.4	2.7
74-83-9	Bromomethane	54.2		5.4	0.48
75-15-0	Carbon disulfide	30.1		5.4	2.7
56-23-5	Carbon tetrachloride	38.2		5.4	0.52
108-90-7	Chlorobenzene	25.1		5.4	0.71
75-00-3	Chloroethane	49.4		5.4	1.2
67-66-3	Chloroform	35.9		5.4	0.33
74-87-3	Chloromethane	43.4		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	33.0		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	27.4		5.4	0.77
110-82-7	Cyclohexane	28.5		5.4	0.75
124-48-1	Dibromochloromethane	31.7		5.4	0.69
75-71-8	Dichlorodifluoromethane	45.4		5.4	0.44
100-41-4	Ethylbenzene	23.8		5.4	0.37
98-82-8	Isopropylbenzene	21.7		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S2 MS | Lab Sample ID: 480-92332-15 MS

Matrix: Solid | Lab File ID: P2419.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:30

Sample wt/vol: 5.03(g) | Date Analyzed: 12/16/2015 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	140		5.4	3.2
1634-04-4	Methyl tert-butyl ether	34.6		5.4	0.53
108-87-2	Methylcyclohexane	23.5		5.4	0.82
75-09-2	Methylene Chloride	41.1		5.4	2.5
100-42-5	Styrene	21.5		5.4	0.27
127-18-4	Tetrachloroethene	29.4		5.4	0.72
108-88-3	Toluene	27.2		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	30.0		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	25.3		5.4	2.4
79-01-6	Trichloroethene	27.6		5.4	1.2
75-69-4	Trichlorofluoromethane	45.0		5.4	0.51
75-01-4	Vinyl chloride	39.5		5.4	0.65
1330-20-7	Xylenes, Total	48.2		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		64-126
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126
2037-26-5	Toluene-d8 (Surr)	102		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2419.D
Lims ID: 480-92332-A-15-D MS
Client ID:
Sample Type: MS
Inject. Date: 16-Dec-2015 19:13:30 ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-15-D MS
Misc. Info.: 480-0049276-022
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 17:37:11 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 20:03:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	349334	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.837	0.005	89	700311	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	96	647832	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	251425	50.0	46.6	
$ 5 Toluene-d8 (Surr)	98	11.884	11.872	0.012	93	1558199	50.0	50.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	495669	50.0	46.5	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	99	470540	50.0	42.4	
11 Chloromethane	50	4.340	4.334	0.006	99	401786	50.0	40.4	
17 Vinyl chloride	62	4.577	4.565	0.012	97	289411	50.0	36.8	
12 Bromomethane	94	5.131	5.119	0.012	93	228644	50.0	50.5	
13 Chloroethane	64	5.259	5.240	0.019	96	228620	50.0	46.0	
14 Trichlorofluoromethane	101	5.684	5.666	0.018	97	585292	50.0	41.9	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	94	372732	50.0	32.0	
25 1,1-Dichloroethene	96	6.384	6.372	0.012	94	348758	50.0	29.9	
24 Acetone	43	6.402	6.390	0.012	97	585750	250.0	146.3	
30 Methyl acetate	43	6.773	6.761	0.012	100	1197394	250.0	130.5	
27 Carbon disulfide	76	6.786	6.774	0.012	99	1012014	50.0	28.0	
31 Methylene Chloride	84	6.986	6.980	0.006	94	396305	50.0	38.3	
32 Methyl tert-butyl ether	73	7.230	7.224	0.006	99	1004399	50.0	32.3	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	92	275510	50.0	28.0	
40 1,1-Dichloroethane	63	7.832	7.820	0.012	97	707425	50.0	32.4	
44 2-Butanone (MEK)	43	8.483	8.471	0.012	99	731831	250.0	123.9	
43 cis-1,2-Dichloroethene	96	8.531	8.520	0.011	87	327817	50.0	30.7	
49 Chloroform	83	8.884	8.878	0.006	95	629708	50.0	33.5	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	98	433275	50.0	34.6	
54 Cyclohexane	56	9.219	9.213	0.006	95	593823	50.0	26.6	
55 Carbon tetrachloride	117	9.353	9.347	0.006	97	496165	50.0	35.6	
57 Benzene	78	9.602	9.590	0.012	98	1193410	50.0	31.0	
60 1,2-Dichloroethane	62	9.627	9.615	0.012	97	508122	50.0	29.2	
62 Trichloroethene	95	10.357	10.345	0.012	95	268324	50.0	25.7	
64 Methylcyclohexane	83	10.594	10.588	0.006	98	392206	50.0	21.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	90	332084	50.0	29.7	
70 Dichlorobromomethane	83	10.995	10.983	0.012	97	436081	50.0	31.1	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	89	415026	50.0	25.5	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	1437998	250.0	123.9	
76 Toluene	92	11.975	11.969	0.006	97	630928	50.0	25.4	
78 trans-1,3-Dichloropropene	75	12.236	12.224	0.012	94	337237	50.0	23.6	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	96	190679	50.0	28.0	
80 Tetrachloroethene	166	12.717	12.711	0.006	92	261909	50.0	27.4	
83 2-Hexanone	43	12.729	12.723	0.006	97	884114	250.0	110.7	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	275416	50.0	29.5	
85 Ethylene Dibromide	107	13.295	13.289	0.006	99	198506	50.0	22.3	
87 Chlorobenzene	112	13.885	13.879	0.006	93	634065	50.0	23.4	
89 Ethylbenzene	91	13.946	13.946	0.000	98	956884	50.0	22.2	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	375055		20.5	
93 o-Xylene	106	14.633	14.634	-0.001	97	449722		24.5	
94 Styrene	104	14.658	14.652	0.006	91	569398	50.0	20.0	
92 Bromoform	173	15.011	15.011	-0.001	95	142738	50.0	24.3	
95 Isopropylbenzene	105	15.077	15.078	-0.001	96	929359	50.0	20.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	256387	50.0	23.6	
110 1,3-Dichlorobenzene	146	16.756	16.751	0.005	97	265144	50.0	12.1	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	96	250523	50.0	11.9	
116 1,2-Dichlorobenzene	146	17.347	17.341	0.006	95	320883	50.0	14.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	79	38276	50.0	16.1	
119 1,2,4-Trichlorobenzene	180	19.409	19.403	0.006	95	55570	50.0	3.62	
S 126 Xylenes, Total	1				0			45.0	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

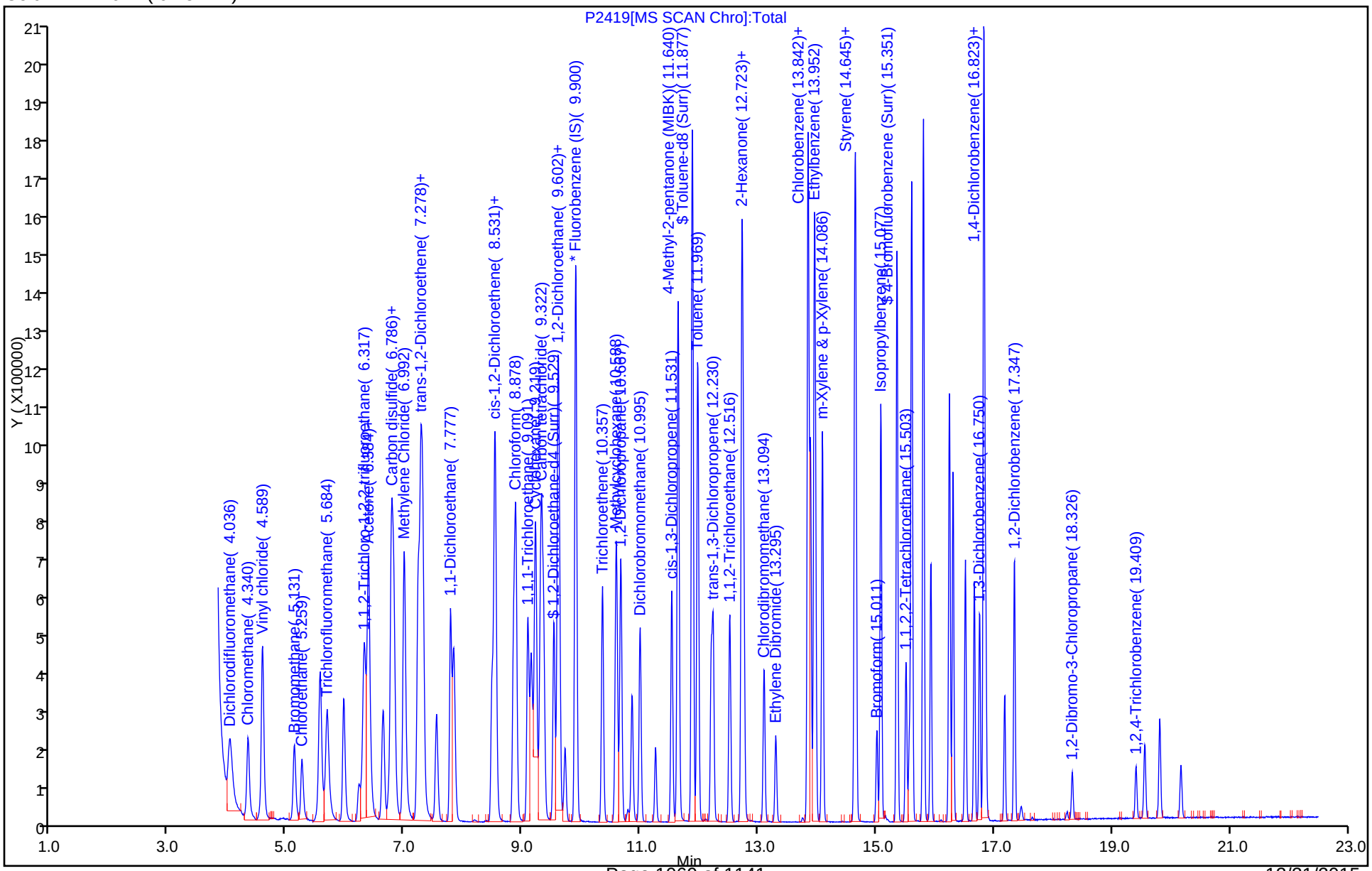
Report Date: 16-Dec-2015 20:03:16 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2419.D

Injection Date:	16-Dec-2015 19:13:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-15-D MS			Worklist Smp#:	22
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S2 MS | Lab Sample ID: 480-92332-17 MS

Matrix: Solid | Lab File ID: P2378.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/15/2015 16:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	59.4		6.4	0.46
79-34-5	1,1,2,2-Tetrachloroethane	65.6		6.4	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	54.7		6.4	1.4
79-00-5	1,1,2-Trichloroethane	48.1		6.4	0.83
75-34-3	1,1-Dichloroethane	52.1		6.4	0.77
75-35-4	1,1-Dichloroethene	49.1		6.4	0.78
120-82-1	1,2,4-Trichlorobenzene	14.1		6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	40.5		6.4	3.2
106-93-4	1,2-Dibromoethane	35.8		6.4	0.82
95-50-1	1,2-Dichlorobenzene	42.1		6.4	0.50
107-06-2	1,2-Dichloroethane	41.0		6.4	0.32
78-87-5	1,2-Dichloropropane	45.6		6.4	3.2
541-73-1	1,3-Dichlorobenzene	38.8		6.4	0.33
106-46-7	1,4-Dichlorobenzene	37.1		6.4	0.89
78-93-3	2-Butanone (MEK)	179		32	2.3
591-78-6	2-Hexanone	183		32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	223		32	2.1
67-64-1	Acetone	204		32	5.3
71-43-2	Benzene	49.9		6.4	0.31
75-27-4	Bromodichloromethane	45.4		6.4	0.85
75-25-2	Bromoform	38.4		6.4	3.2
74-83-9	Bromomethane	73.2		6.4	0.57
75-15-0	Carbon disulfide	49.9		6.4	3.2
56-23-5	Carbon tetrachloride	59.3		6.4	0.61
108-90-7	Chlorobenzene	44.0		6.4	0.84
75-00-3	Chloroethane	74.7		6.4	1.4
67-66-3	Chloroform	51.0		6.4	0.39
74-87-3	Chloromethane	67.5		6.4	0.38
156-59-2	cis-1,2-Dichloroethene	48.4		6.4	0.81
10061-01-5	cis-1,3-Dichloropropene	38.6		6.4	0.91
110-82-7	Cyclohexane	50.1		6.4	0.89
124-48-1	Dibromochloromethane	48.7		6.4	0.81
75-71-8	Dichlorodifluoromethane	71.4		6.4	0.52
100-41-4	Ethylbenzene	47.0		6.4	0.44
98-82-8	Isopropylbenzene	78.1		6.4	0.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S2 MS | Lab Sample ID: 480-92332-17 MS

Matrix: Solid | Lab File ID: P2378.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/15/2015 16:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	187		6.4	3.8
1634-04-4	Methyl tert-butyl ether	47.6		6.4	0.62
108-87-2	Methylcyclohexane	45.5		6.4	0.97
75-09-2	Methylene Chloride	58.5		6.4	2.9
100-42-5	Styrene	37.2		6.4	0.32
127-18-4	Tetrachloroethene	53.0		6.4	0.85
108-88-3	Toluene	50.9		6.4	0.48
156-60-5	trans-1,2-Dichloroethene	47.3		6.4	0.66
10061-02-6	trans-1,3-Dichloropropene	39.4		6.4	2.8
79-01-6	Trichloroethene	43.5		6.4	1.4
75-69-4	Trichlorofluoromethane	68.2		6.4	0.60
75-01-4	Vinyl chloride	65.1		6.4	0.77
1330-20-7	Xylenes, Total	93.4		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		64-126
460-00-4	4-Bromofluorobenzene (Surr)	73		72-126
2037-26-5	Toluene-d8 (Surr)	114		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2378.D
Lims ID: 480-92332-A-17-H MS
Client ID: B16-AREA2-S2
Sample Type: MS
Inject. Date: 15-Dec-2015 16:15:30 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-17-H MS
Misc. Info.: 480-0049245-008
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 19:46:49 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 15-Dec-2015 19:47:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	359230	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	596440	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	96	334309	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	250114	50.0	45.0	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1483544	50.0	56.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	331066	50.0	36.4	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	99	641818		56.2	
11 Chloromethane	50	4.346	4.340	0.006	99	543434		53.2	
17 Vinyl chloride	62	4.583	4.571	0.012	97	414592		51.3	
12 Bromomethane	94	5.137	5.119	0.018	94	268382		57.7	
13 Chloroethane	64	5.258	5.246	0.012	97	300472		58.8	
14 Trichlorofluoromethane	101	5.684	5.666	0.018	98	769996		53.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	94	515489		43.1	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	463547		38.7	
24 Acetone	43	6.396	6.390	0.006	98	661354		160.7	
30 Methyl acetate	43	6.773	6.767	0.006	100	1389097		147.3	
27 Carbon disulfide	76	6.785	6.773	0.012	100	1458237		39.3	
31 Methylene Chloride	84	6.992	6.980	0.012	94	484282		46.1	
32 Methyl tert-butyl ether	73	7.236	7.224	0.012	99	1199547		37.5	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	92	376577		37.2	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	921228		41.0	
44 2-Butanone (MEK)	43	8.483	8.471	0.012	97	853800		140.6	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	87	418066		38.1	
49 Chloroform	83	8.884	8.878	0.006	96	776298		40.1	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	97	601709		46.8	
54 Cyclohexane	56	9.219	9.213	0.006	96	905406		39.5	
55 Carbon tetrachloride	117	9.359	9.347	0.012	96	669860		46.7	
57 Benzene	78	9.602	9.596	0.006	98	1554988		39.3	
60 1,2-Dichloroethane	62	9.626	9.620	0.006	97	577621		32.3	
62 Trichloroethene	95	10.357	10.350	0.006	94	367357		34.2	
64 Methylcyclohexane	83	10.594	10.588	0.006	98	658051		35.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	92	413160		35.9	
70 Dichlorobromomethane	83	10.995	10.989	0.006	97	515638		35.7	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	508094		30.4	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	1734587		175.5	
76 Toluene	92	11.969	11.969	0.000	97	849650		40.1	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	95	377544		31.0	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	94	219865		37.9	
80 Tetrachloroethene	166	12.717	12.711	0.006	92	339470		41.7	
83 2-Hexanone	43	12.723	12.723	0.000	98	981609		144.3	
81 Chlorodibromomethane	129	13.094	13.094	0.000	91	304193		38.3	
85 Ethylene Dibromide	107	13.295	13.289	0.006	99	213652		28.1	
87 Chlorobenzene	112	13.885	13.879	0.006	93	800001		34.7	
89 Ethylbenzene	91	13.946	13.946	0.000	98	1357173		37.0	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	546643		35.1	
93 o-Xylene	106	14.639	14.633	0.006	96	601832		38.4	
94 Styrene	104	14.652	14.652	0.000	95	710369		29.3	
92 Bromoform	173	15.010	15.011	-0.001	95	150863		30.2	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	1456423		61.5	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	289683		51.7	
110 1,3-Dichlorobenzene	146	16.750	16.750	0.000	97	344244		30.6	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	92	318700		29.2	
116 1,2-Dichlorobenzene	146	17.347	17.341	0.006	95	373358		33.2	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	39039		31.8	
119 1,2,4-Trichlorobenzene	180	19.409	19.403	0.006	94	87614		11.1	
S 126 Xylenes, Total	1				0			73.6	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

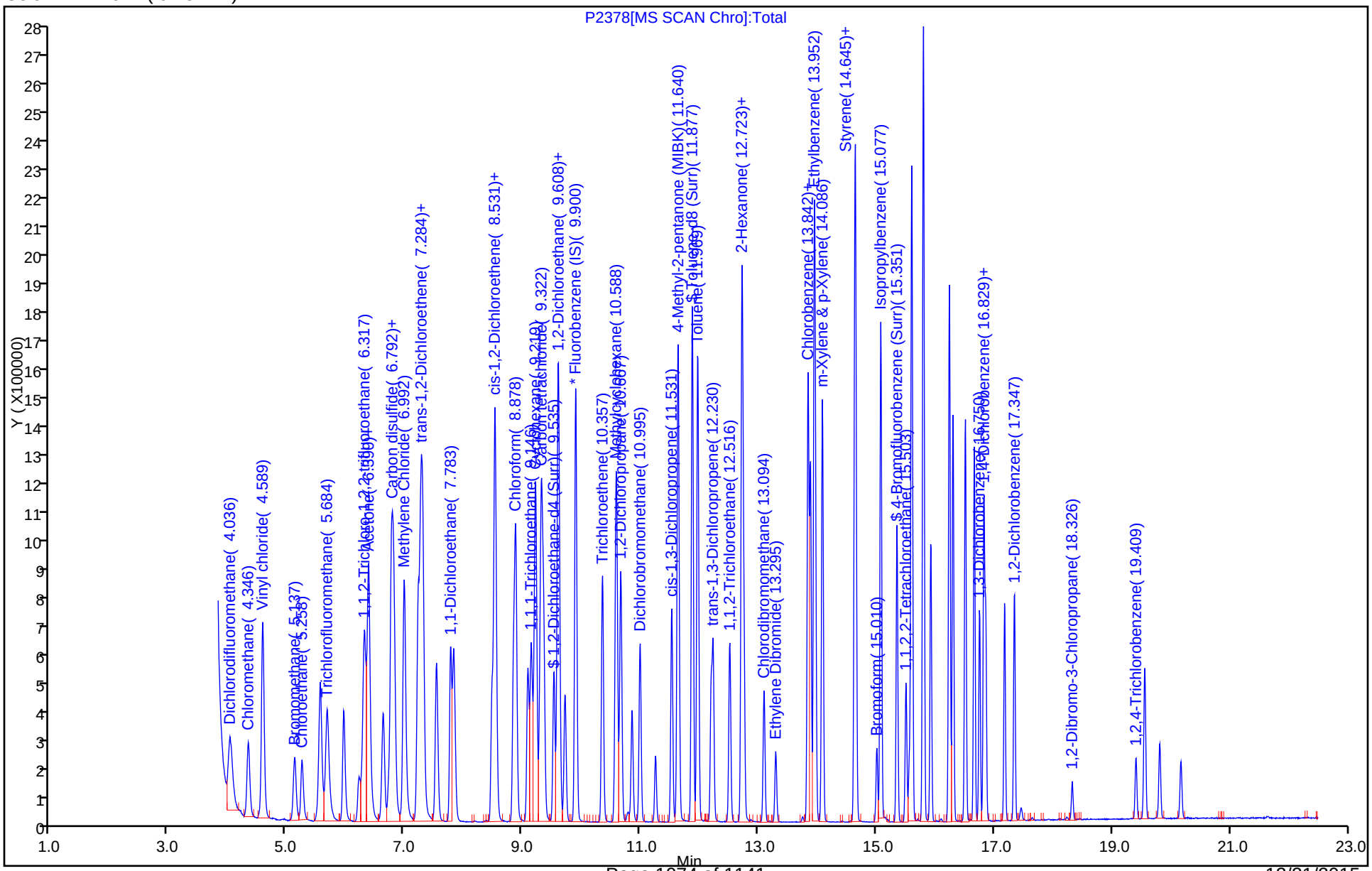
Report Date: 15-Dec-2015 19:47:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2378.D

Injection Date:	15-Dec-2015 16:15:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-17-H MS			Worklist Smp#:	8
Client ID:	B16-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 MS | Lab Sample ID: 480-92332-24 MS

Matrix: Solid | Lab File ID: S6504.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.04(g) | Date Analyzed: 12/23/2015 06:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2520		430	120
79-34-5	1,1,2,2-Tetrachloroethane	2730		430	70
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2340		430	220
79-00-5	1,1,2-Trichloroethane	2570		430	90
75-34-3	1,1-Dichloroethane	2500		430	130
75-35-4	1,1-Dichloroethene	2220		430	150
120-82-1	1,2,4-Trichlorobenzene	1630		430	160
96-12-8	1,2-Dibromo-3-Chloropropane	2150		430	220
106-93-4	1,2-Dibromoethane	2350		430	75
95-50-1	1,2-Dichlorobenzene	2510		430	110
107-06-2	1,2-Dichloroethane	2280		430	180
78-87-5	1,2-Dichloropropane	2460		430	70
541-73-1	1,3-Dichlorobenzene	2470		430	110
106-46-7	1,4-Dichlorobenzene	2420		430	60
78-93-3	2-Butanone (MEK)	11300		2200	1300
591-78-6	2-Hexanone	12600		2200	880
108-10-1	4-Methyl-2-pentanone (MIBK)	12900		2200	140
67-64-1	Acetone	11100		2200	1800
71-43-2	Benzene	2510		430	82
75-27-4	Bromodichloromethane	2150		430	86
75-25-2	Bromoform	1950		430	220
74-83-9	Bromomethane	2360		430	95
75-15-0	Carbon disulfide	1750		430	200
56-23-5	Carbon tetrachloride	2160		430	110
108-90-7	Chlorobenzene	2460		430	57
75-00-3	Chloroethane	1960		430	90
67-66-3	Chloroform	2340		430	300
74-87-3	Chloromethane	1800		430	100
156-59-2	cis-1,2-Dichloroethene	2630		430	120
10061-01-5	cis-1,3-Dichloropropene	2100		430	100
110-82-7	Cyclohexane	2450		430	96
124-48-1	Dibromochloromethane	1880		430	210
75-71-8	Dichlorodifluoromethane	1540		430	190
100-41-4	Ethylbenzene	3330		430	130
98-82-8	Isopropylbenzene	2780		430	65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 MS | Lab Sample ID: 480-92332-24 MS

Matrix: Solid | Lab File ID: S6504.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.04(g) | Date Analyzed: 12/23/2015 06:22

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	12800		430	210
1634-04-4	Methyl tert-butyl ether	2380		430	160
108-87-2	Methylcyclohexane	2380		430	200
75-09-2	Methylene Chloride	2220		430	85
100-42-5	Styrene	2340		430	100
127-18-4	Tetrachloroethene	52200		430	58
108-88-3	Toluene	2870		430	120
156-60-5	trans-1,2-Dichloroethene	2350		430	100
10061-02-6	trans-1,3-Dichloropropene	2220		430	42
79-01-6	Trichloroethene	28000		430	120
75-69-4	Trichlorofluoromethane	2530		430	200
75-01-4	Vinyl chloride	2100		430	140
1330-20-7	Xylenes, Total	5410		860	240

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		53-146
460-00-4	4-Bromofluorobenzene (Surr)	96		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6504.D
Lims ID: 480-92332-A-24-C MS
Client ID:
Sample Type: MS
Inject. Date: 23-Dec-2015 06:22:30 ALS Bottle#: 25 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-92332-A-24-C MS
Misc. Info.: 480-0049505-028
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 10:33:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: goliszekg Date: 23-Dec-2015 10:34:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	124776	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	246401	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	95	224993	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	92892	27.2	24.0	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	84	580580	27.2	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	180910	27.2	26.0	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	81	23001	25.0	3.58	
12 Chloromethane	50	1.401	1.407	-0.006	85	51566	25.0	4.18	
13 Vinyl chloride	62	1.511	1.511	0.000	66	32278	25.0	4.87	
14 Bromomethane	94	1.791	1.821	-0.030	81	11111	25.0	5.48	
15 Chloroethane	64	1.894	1.924	-0.030	48	13377	25.0	4.56	
17 Trichlorofluoromethane	101	2.143	2.149	-0.006	67	34998	25.0	5.88	
21 1,1,2-Trichloro-1,2,2-trif	101	2.654	2.660	-0.006	27	26979	25.0	5.44	
22 1,1-Dichloroethene	96	2.654	2.667	-0.013	73	28966	25.0	5.16	
23 Acetone	43	2.746	2.740	0.006	95	60128	125.0	25.9	
26 Carbon disulfide	76	2.849	2.855	-0.006	96	65412	25.0	4.06	
27 Methyl acetate	43	3.044	3.044	0.000	97	177319	125.0	29.6	
30 Methylene Chloride	84	3.159	3.171	-0.012	78	32947	25.0	5.16	
32 Methyl tert-butyl ether	73	3.366	3.372	-0.006	90	89940	25.0	5.52	
34 trans-1,2-Dichloroethene	96	3.372	3.378	-0.006	70	31619	25.0	5.46	
39 1,1-Dichloroethane	63	3.786	3.792	-0.006	81	73128	25.0	5.81	
45 cis-1,2-Dichloroethene	96	4.346	4.346	0.000	70	38724	25.0	6.10	
43 2-Butanone (MEK)	43	4.376	4.370	0.006	92	96478	125.0	26.2	
50 Chloroform	83	4.656	4.656	0.000	76	52601	25.0	5.43	
51 1,1,1-Trichloroethane	97	4.778	4.784	-0.006	80	40696	25.0	5.85	
52 Cyclohexane	56	4.802	4.808	-0.006	57	85234	25.0	5.69	
55 Carbon tetrachloride	117	4.930	4.930	0.000	49	32308	25.0	5.01	
57 Benzene	78	5.130	5.136	-0.006	89	130639	25.0	5.82	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	57	53938	25.0	5.30	
62 Trichloroethene	95	5.745	5.751	-0.006	89	383977	25.0	64.9	
64 Methylcyclohexane	83	5.885	5.885	0.000	90	55414	25.0	5.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63	5.976	5.976	0.000	91	39837	25.0	5.72	
68 Dichlorobromomethane	83	6.262	6.262	0.000	83	30775	25.0	4.99	
72 cis-1,3-Dichloropropene	75	6.682	6.688	-0.006	73	42679	25.0	4.89	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	97	203001	125.0	30.0	
74 Toluene	92	6.980	6.986	-0.006	93	89152	25.0	6.67	
77 trans-1,3-Dichloropropene	75	7.248	7.247	0.001	85	35347	25.0	5.15	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	84	22069	25.0	5.97	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	780467	25.0	121.2	E
80 2-Hexanone	43	7.667	7.667	0.000	97	134342	125.0	29.3	
83 Chlorodibromomethane	129	7.832	7.831	0.001	61	17554	25.0	4.37	
84 Ethylene Dibromide	107	7.941	7.935	0.006	81	23848	25.0	5.45	
87 Chlorobenzene	112	8.422	8.422	0.000	82	89202	25.0	5.72	
88 Ethylbenzene	91	8.525	8.525	0.000	98	187147	25.0	7.73	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	69273		6.75	
91 o-Xylene	106	9.067	9.073	-0.007	96	58060		5.80	
92 Styrene	104	9.097	9.097	0.000	91	87509	25.0	5.43	
95 Bromoform	173	9.328	9.328	0.000	74	8468	25.0	4.53	
94 Isopropylbenzene	105	9.456	9.456	0.000	95	139806	25.0	6.47	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	75	30295	25.0	6.33	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	95	67352	25.0	5.73	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	78	66834	25.0	5.61	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	90	66279	25.0	5.82	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	16	3595	25.0	4.99	
119 1,2,4-Trichlorobenzene	180	12.558	12.564	-0.006	83	31697	25.0	3.79	
S 124 Xylenes, Total	1				0			12.5	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

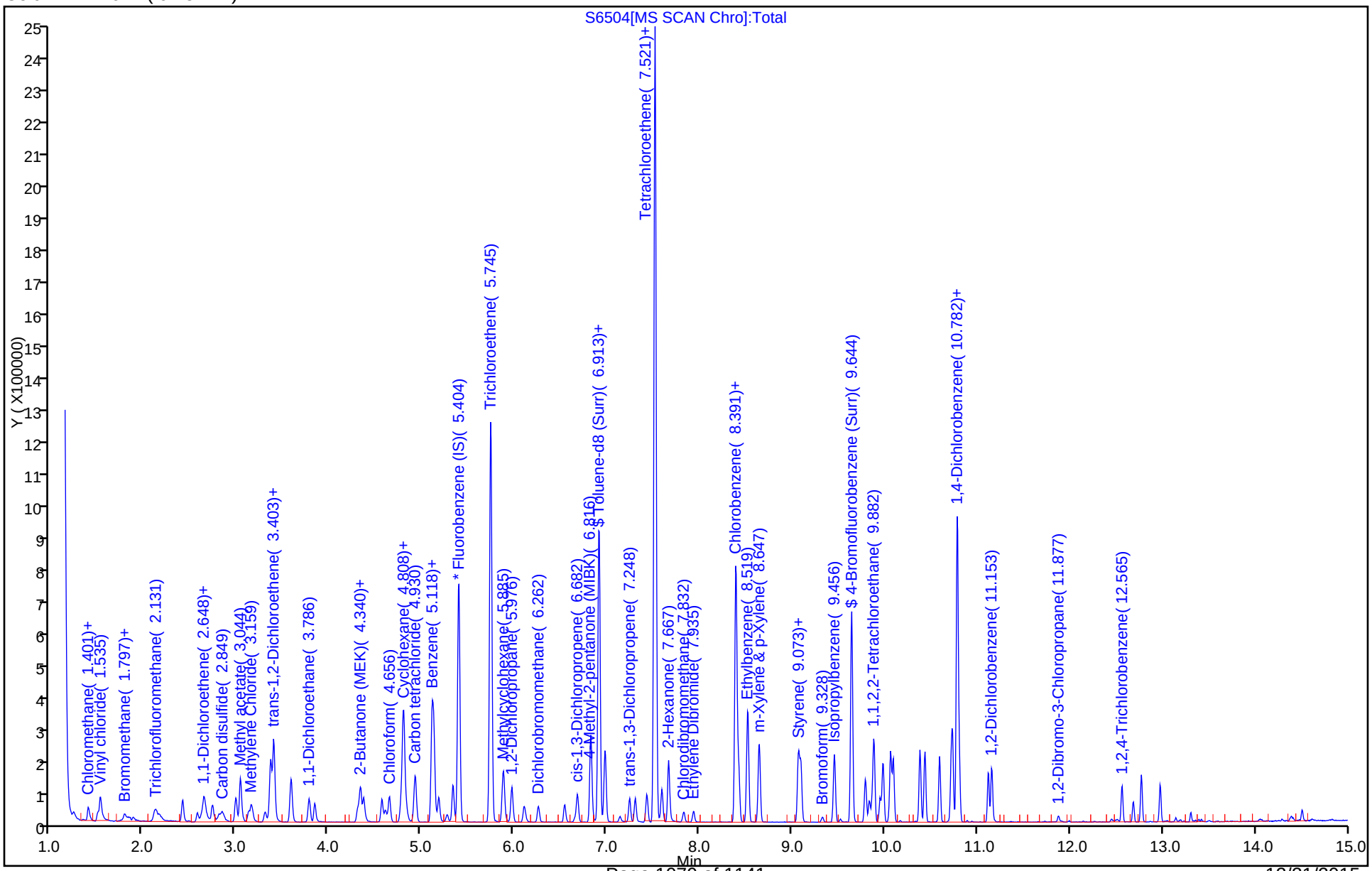
Report Date: 23-Dec-2015 10:34:24 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6504.D

Injection Date:	23-Dec-2015 06:22:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	480-92332-A-24-C MS			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 MSD | Lab Sample ID: 480-92332-14 MSD

Matrix: Solid | Lab File ID: S6386.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.05(g) | Date Analyzed: 12/20/2015 22:19

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2320		1100	300
79-34-5	1,1,2,2-Tetrachloroethane	2390		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1800		1100	550
79-00-5	1,1,2-Trichloroethane	2150		1100	230
75-34-3	1,1-Dichloroethane	2090		1100	340
75-35-4	1,1-Dichloroethene	1500		1100	380
120-82-1	1,2,4-Trichlorobenzene	2160		1100	410
96-12-8	1,2-Dibromo-3-Chloropropane	1910		1100	550
106-93-4	1,2-Dibromoethane	2000		1100	190
95-50-1	1,2-Dichlorobenzene	2460		1100	280
107-06-2	1,2-Dichloroethane	2170		1100	450
78-87-5	1,2-Dichloropropane	2060		1100	180
541-73-1	1,3-Dichlorobenzene	2490		1100	290
106-46-7	1,4-Dichlorobenzene	2510		1100	150
78-93-3	2-Butanone (MEK)	10500		5500	3200
591-78-6	2-Hexanone	11800		5500	2200
108-10-1	4-Methyl-2-pentanone (MIBK)	12100		5500	350
67-64-1	Acetone	12900		5500	4500
71-43-2	Benzene	2240		1100	210
75-27-4	Bromodichloromethane	1980		1100	220
75-25-2	Bromoform	1590		1100	550
74-83-9	Bromomethane	1140		1100	240
75-15-0	Carbon disulfide	1160		1100	500
56-23-5	Carbon tetrachloride	2180		1100	280
108-90-7	Chlorobenzene	2560		1100	140
75-00-3	Chloroethane	1260		1100	230
67-66-3	Chloroform	2220		1100	750
74-87-3	Chloromethane	1370		1100	260
156-59-2	cis-1,2-Dichloroethene	2800		1100	300
10061-01-5	cis-1,3-Dichloropropene	1620		1100	260
110-82-7	Cyclohexane	2090		1100	240
124-48-1	Dibromochloromethane	1860		1100	530
75-71-8	Dichlorodifluoromethane	858	J	1100	480
100-41-4	Ethylbenzene	4110		1100	320
98-82-8	Isopropylbenzene	2600		1100	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S1 MSD | Lab Sample ID: 480-92332-14 MSD

Matrix: Solid | Lab File ID: S6386.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:15

Sample wt/vol: 5.05(g) | Date Analyzed: 12/20/2015 22:19

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.4 | Level: (low/med) Medium

Analysis Batch No.: 280696 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	13800		1100	520
1634-04-4	Methyl tert-butyl ether	2010		1100	410
108-87-2	Methylcyclohexane	2180		1100	510
75-09-2	Methylene Chloride	1670		1100	220
100-42-5	Styrene	2100		1100	260
127-18-4	Tetrachloroethene	83300		1100	150
108-88-3	Toluene	2580		1100	290
156-60-5	trans-1,2-Dichloroethene	1980		1100	260
10061-02-6	trans-1,3-Dichloropropene	1790		1100	110
79-01-6	Trichloroethene	8190		1100	300
75-69-4	Trichlorofluoromethane	2240		1100	510
75-01-4	Vinyl chloride	1350		1100	370
1330-20-7	Xylenes, Total	4920		2200	610

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		53-146
460-00-4	4-Bromofluorobenzene (Surr)	96		49-148
2037-26-5	Toluene-d8 (Surr)	99		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6386.D
Lims ID: 480-92332-A-14-F MSD
Client ID:
Sample Type: MSD
Inject. Date: 20-Dec-2015 22:19:30 ALS Bottle#: 29 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-92332-A-14-D MSD
Misc. Info.: 480-0049418-028
Operator ID: SO Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Dec-2015 15:18:58 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.398	0.006	97	93131	2.50	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	188489	2.50	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	95	181077	2.50	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	73315	27.2	25.4	
$ 5 Toluene-d8 (Surr)	98	6.919	6.913	0.006	95	445939	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	138377	27.2	26.0	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	27	3761	2.50	0.7853	
12 Chloromethane	50	1.401	1.407	-0.006	69	11561	2.50	1.26	
13 Vinyl chloride	62	1.504	1.504	0.000	27	6101	2.50	1.23	
14 Bromomethane	94	1.803	1.809	-0.007	3	1573	2.50	1.04	
15 Chloroethane	64	1.912	1.912	0.000	37	2988	2.50	1.16	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	49	9124	2.50	2.05	
21 1,1,2-Trichloro-1,2,2-trif	101	2.660	2.648	0.012	1	6099	2.50	1.65	
22 1,1-Dichloroethene	96	2.660	2.648	0.012	66	5748	2.50	1.37	
23 Acetone	43	2.739	2.733	0.006	95	20498	12.5	11.8	
26 Carbon disulfide	76	2.855	2.849	0.006	77	12776	2.50	1.06	
27 Methyl acetate	43	3.050	3.038	0.012	95	56533	12.5	12.6	
30 Methylene Chloride	84	3.171	3.159	0.012	73	9318	2.50	1.53	
32 Methyl tert-butyl ether	73	3.372	3.366	0.006	84	22385	2.50	1.84	
34 trans-1,2-Dichloroethene	96	3.372	3.372	0.000	59	7849	2.50	1.82	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	44	17977	2.50	1.91	
45 cis-1,2-Dichloroethene	96	4.339	4.339	0.000	53	12119	2.50	2.56	
43 2-Butanone (MEK)	43	4.376	4.370	0.006	92	26316	12.5	9.58	
50 Chloroform	83	4.656	4.650	0.006	60	14712	2.50	2.04	
51 1,1,1-Trichloroethane	97	4.777	4.777	0.000	62	11008	2.50	2.12	
52 Cyclohexane	56	4.802	4.802	0.000	28	21342	2.50	1.91	
55 Carbon tetrachloride	117	4.923	4.923	0.000	64	9611	2.50	2.00	
57 Benzene	78	5.130	5.130	0.000	85	34289	2.50	2.05	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	66	15098	2.50	1.99	
62 Trichloroethene	95	5.745	5.745	0.000	86	33094	2.50	7.50	
64 Methylcyclohexane	83	5.885	5.879	0.006	75	14957	2.50	2.00	
65 1,2-Dichloropropane	63	5.970	5.976	-0.006	62	9812	2.50	1.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
68 Dichlorobromomethane	83	6.256	6.262	-0.006	43	8332	2.50	1.81	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	44	9636	2.50	1.48	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.822	0.006	95	57097	12.5	11.0	
74 Toluene	92	6.980	6.980	0.000	77	24135	2.50	2.36	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	72	8608	2.50	1.64	
79 1,1,2-Trichloroethane	83	7.436	7.430	0.006	49	5561	2.50	1.97	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	375519	2.50	76.2	
80 2-Hexanone	43	7.667	7.667	0.000	94	37841	12.5	10.8	
83 Chlorodibromomethane	129	7.825	7.831	-0.006	21	5222	2.50	1.70	
84 Ethylene Dibromide	107	7.935	7.935	0.000	37	6113	2.50	1.83	
87 Chlorobenzene	112	8.421	8.422	-0.001	41	27934	2.50	2.34	
88 Ethylbenzene	91	8.519	8.525	-0.006	97	69673	2.50	3.76	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	19222		2.45	
91 o-Xylene	106	9.072	9.066	0.006	85	15771		2.06	
92 Styrene	104	9.097	9.097	0.000	80	23659	2.50	1.92	
95 Bromoform	173	9.328	9.328	0.000	19	2080	2.50	1.46	
94 Isopropylbenzene	105	9.456	9.456	0.000	80	41437	2.50	2.38	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	54	8441	2.50	2.19	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	86	21528	2.50	2.28	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	26	21996	2.50	2.30	
116 1,2-Dichlorobenzene	146	11.159	11.153	0.006	80	20678	2.50	2.25	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	1	1016	2.50	1.75	
119 1,2,4-Trichlorobenzene	180	12.558	12.564	-0.006	69	13278	2.50	1.97	
S 124 Xylenes, Total	1				0			4.51	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

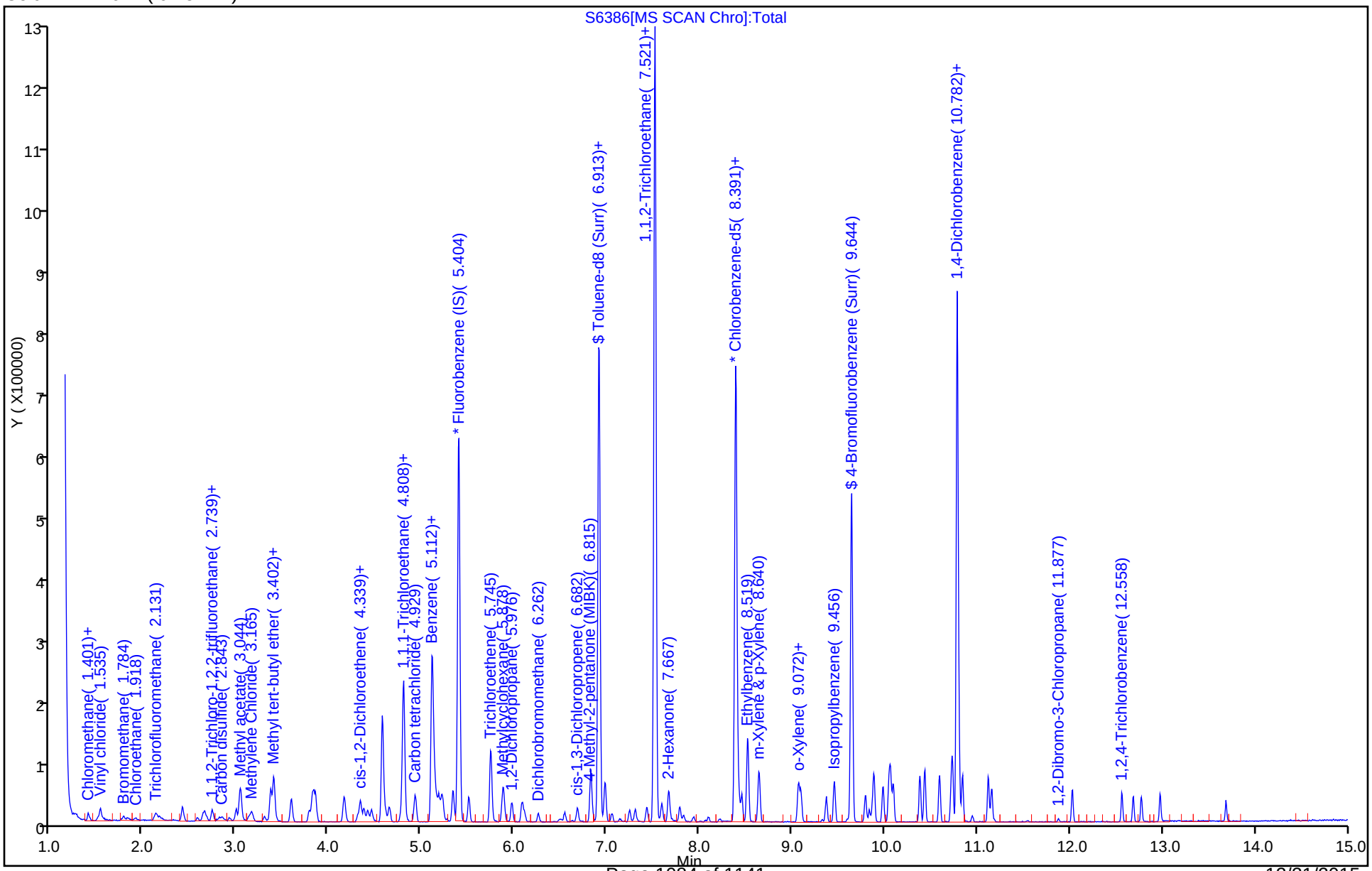
Report Date: 21-Dec-2015 15:18:59 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151220-49418.b\S6386.D

Injection Date:	20-Dec-2015 22:19:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	480-92332-A-14-F MSD			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	29
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S2 MSD | Lab Sample ID: 480-92332-15 MSD

Matrix: Solid | Lab File ID: P2420.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:30

Sample wt/vol: 5.1(g) | Date Analyzed: 12/16/2015 19:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	32.2		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	24.7		5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29.9		5.3	1.2
79-00-5	1,1,2-Trichloroethane	27.9		5.3	0.69
75-34-3	1,1-Dichloroethane	31.5		5.3	0.65
75-35-4	1,1-Dichloroethene	27.6		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	1.71	J	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	14.7		5.3	2.6
106-93-4	1,2-Dibromoethane	20.5		5.3	0.68
95-50-1	1,2-Dichlorobenzene	8.44		5.3	0.41
107-06-2	1,2-Dichloroethane	29.0		5.3	0.27
78-87-5	1,2-Dichloropropane	28.7		5.3	2.6
541-73-1	1,3-Dichlorobenzene	6.70		5.3	0.27
106-46-7	1,4-Dichlorobenzene	6.49		5.3	0.74
78-93-3	2-Butanone (MEK)	145		26	1.9
591-78-6	2-Hexanone	119		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	144		26	1.7
67-64-1	Acetone	166		26	4.5
71-43-2	Benzene	29.1		5.3	0.26
75-27-4	Bromodichloromethane	30.0		5.3	0.71
75-25-2	Bromoform	23.1		5.3	2.6
74-83-9	Bromomethane	43.3		5.3	0.48
75-15-0	Carbon disulfide	24.8		5.3	2.6
56-23-5	Carbon tetrachloride	32.8		5.3	0.51
108-90-7	Chlorobenzene	16.9		5.3	0.70
75-00-3	Chloroethane	44.1		5.3	1.2
67-66-3	Chloroform	32.2		5.3	0.33
74-87-3	Chloromethane	42.1		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	29.5		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	22.0		5.3	0.76
110-82-7	Cyclohexane	23.8		5.3	0.74
124-48-1	Dibromochloromethane	27.9		5.3	0.68
75-71-8	Dichlorodifluoromethane	40.1		5.3	0.44
100-41-4	Ethylbenzene	14.5		5.3	0.36
98-82-8	Isopropylbenzene	13.2		5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B15-AREA2-S2 MSD | Lab Sample ID: 480-92332-15 MSD

Matrix: Solid | Lab File ID: P2420.D

Analysis Method: 8260C | Date Collected: 12/07/2015 10:30

Sample wt/vol: 5.1(g) | Date Analyzed: 12/16/2015 19:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 279989 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	149		5.3	3.2
1634-04-4	Methyl tert-butyl ether	35.6		5.3	0.52
108-87-2	Methylcyclohexane	16.0		5.3	0.80
75-09-2	Methylene Chloride	38.9		5.3	2.4
100-42-5	Styrene	12.2		5.3	0.26
127-18-4	Tetrachloroethene	20.1		5.3	0.71
108-88-3	Toluene	20.8		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	24.8		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	19.1		5.3	2.3
79-01-6	Trichloroethene	20.8		5.3	1.2
75-69-4	Trichlorofluoromethane	38.0		5.3	0.50
75-01-4	Vinyl chloride	37.7		5.3	0.65
1330-20-7	Xylenes, Total	31.3		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
460-00-4	4-Bromofluorobenzene (Surr)	92		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2420.D
Lims ID: 480-92332-A-15-E MSD
Client ID:
Sample Type: MSD
Inject. Date: 16-Dec-2015 19:40:30 ALS Bottle#: 16 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-15-E MSD
Misc. Info.: 480-0049276-023
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:07:29 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 20:27:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	362825	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.837	0.006	89	719910	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	631336	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	268856	50.0	47.9	
$ 5 Toluene-d8 (Surr)	98	11.878	11.872	0.006	94	1577593	50.0	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	505260	50.0	46.1	
10 Dichlorodifluoromethane	85	4.024	4.030	-0.006	99	437700	50.0	37.9	
11 Chloromethane	50	4.334	4.334	0.000	99	411312	50.0	39.8	
17 Vinyl chloride	62	4.571	4.565	0.006	98	290864	50.0	35.6	
12 Bromomethane	94	5.131	5.119	0.012	95	192249	50.0	40.9	
13 Chloroethane	64	5.247	5.240	0.007	96	215245	50.0	41.7	
14 Trichlorofluoromethane	101	5.678	5.666	0.012	98	520585	50.0	35.9	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	95	341492	50.0	28.2	
25 1,1-Dichloroethene	96	6.378	6.372	0.006	95	315843	50.0	26.1	
24 Acetone	43	6.396	6.390	0.006	98	652823	250.0	157.0	
30 Methyl acetate	43	6.767	6.761	0.006	100	1340116	250.0	140.7	
27 Carbon disulfide	76	6.780	6.774	0.006	57	880230	50.0	23.5	
31 Methylene Chloride	84	6.986	6.980	0.006	94	395997	50.0	36.8	
32 Methyl tert-butyl ether	73	7.230	7.224	0.006	99	1085907	50.0	33.6	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	93	239520	50.0	23.4	
40 1,1-Dichloroethane	63	7.826	7.820	0.006	97	675993	50.0	29.8	
44 2-Butanone (MEK)	43	8.477	8.471	0.006	98	839228	250.0	136.8	
43 cis-1,2-Dichloroethene	96	8.526	8.520	0.006	86	309415	50.0	27.9	
49 Chloroform	83	8.885	8.878	0.007	96	594925	50.0	30.4	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	98	395027	50.0	30.4	
54 Cyclohexane	56	9.219	9.213	0.006	95	521356	50.0	22.5	
55 Carbon tetrachloride	117	9.353	9.347	0.006	97	449005	50.0	31.0	
57 Benzene	78	9.602	9.590	0.012	98	1099890	50.0	27.5	
60 1,2-Dichloroethane	62	9.627	9.615	0.012	97	495454	50.0	27.4	
62 Trichloroethene	95	10.357	10.345	0.012	94	212817	50.0	19.6	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	280986	50.0	15.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	91	315577	50.0	27.2	
70 Dichlorobromomethane	83	10.996	10.983	0.013	98	413067	50.0	28.3	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	351416	50.0	20.8	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	1624511	250.0	136.2	
76 Toluene	92	11.969	11.969	0.000	97	502652	50.0	19.7	
78 trans-1,3-Dichloropropene	75	12.230	12.224	0.006	99	265065	50.0	18.1	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	184919	50.0	26.4	
80 Tetrachloroethene	166	12.717	12.711	0.006	89	186788	50.0	19.0	
83 2-Hexanone	43	12.729	12.723	0.006	97	925720	250.0	112.7	
81 Chlorodibromomethane	129	13.094	13.094	0.000	91	252886	50.0	26.4	
85 Ethylene Dibromide	107	13.295	13.289	0.006	98	177797	50.0	19.4	
87 Chlorobenzene	112	13.885	13.879	0.006	93	443857	50.0	15.9	
89 Ethylbenzene	91	13.946	13.946	0.000	98	608863	50.0	13.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	235130		12.5	
93 o-Xylene	106	14.640	14.634	0.006	98	322755		17.1	
94 Styrene	104	14.658	14.652	0.006	95	338435	50.0	11.6	
92 Bromoform	173	15.011	15.011	0.000	95	131530	50.0	21.8	
95 Isopropylbenzene	105	15.078	15.078	0.000	97	556371	50.0	12.4	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	247323	50.0	23.4	
110 1,3-Dichlorobenzene	146	16.757	16.751	0.006	97	134670	50.0	6.33	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	95	126329	50.0	6.14	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	169672	50.0	7.98	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	76	32100	50.0	13.9	
119 1,2,4-Trichlorobenzene	180	19.409	19.403	0.006	94	24119	50.0	1.61	
S 126 Xylenes, Total	1				0			29.6	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

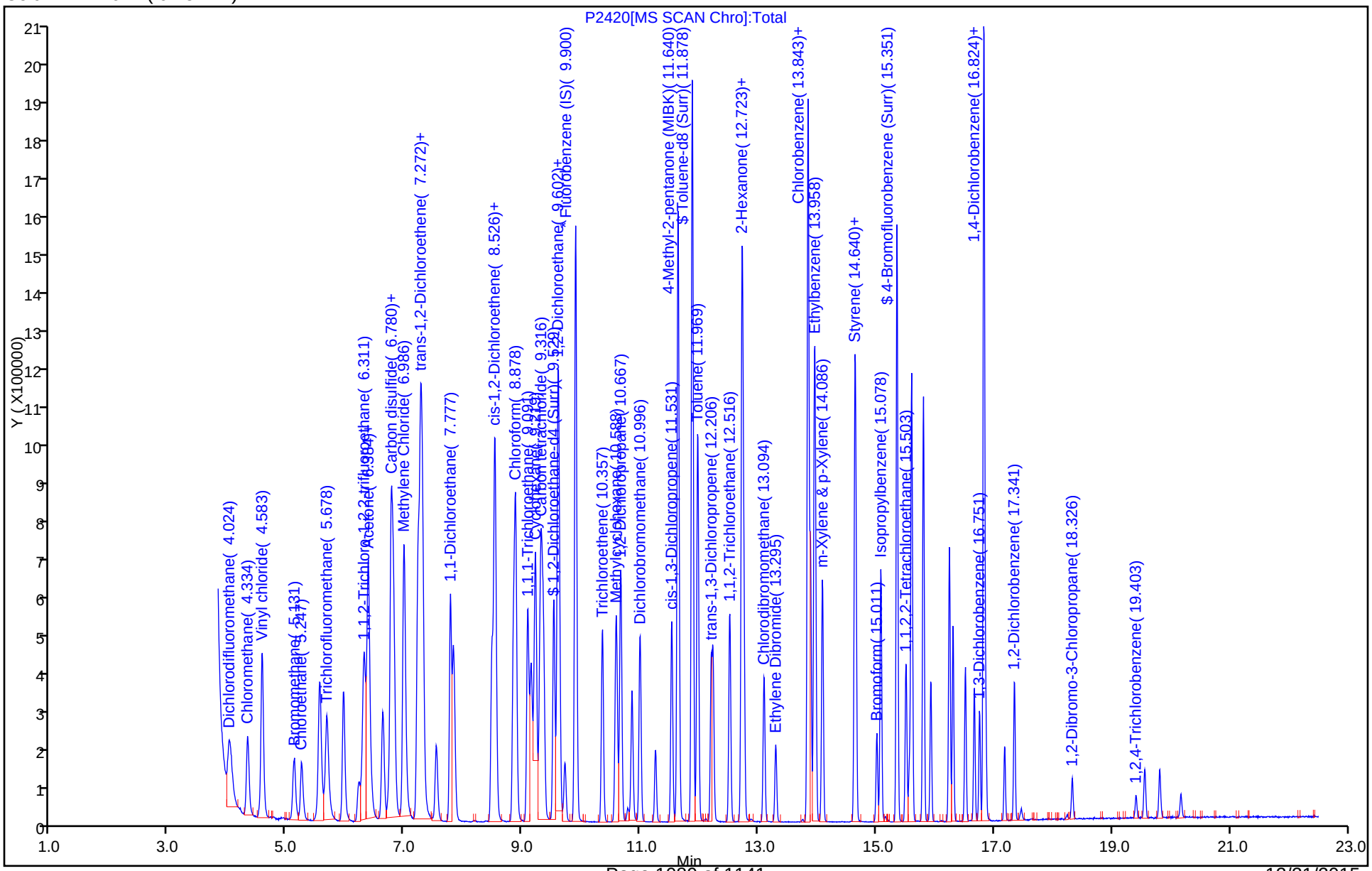
Report Date: 16-Dec-2015 20:27:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151216-49276.b\P2420.D

Injection Date:	16-Dec-2015 19:40:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-15-E MSD			Worklist Smp#:	23
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S2 MSD | Lab Sample ID: 480-92332-17 MSD

Matrix: Solid | Lab File ID: P2379.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:40

Sample wt/vol: 5.02(g) | Date Analyzed: 12/15/2015 16:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	53.0		6.4	0.47
79-34-5	1,1,2,2-Tetrachloroethane	40.6		6.4	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49.4		6.4	1.5
79-00-5	1,1,2-Trichloroethane	39.4		6.4	0.84
75-34-3	1,1-Dichloroethane	46.7		6.4	0.78
75-35-4	1,1-Dichloroethene	43.4		6.4	0.79
120-82-1	1,2,4-Trichlorobenzene	9.97		6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	26.1		6.4	3.2
106-93-4	1,2-Dibromoethane	29.8		6.4	0.83
95-50-1	1,2-Dichlorobenzene	26.2		6.4	0.50
107-06-2	1,2-Dichloroethane	37.1		6.4	0.32
78-87-5	1,2-Dichloropropane	41.2		6.4	3.2
541-73-1	1,3-Dichlorobenzene	24.0		6.4	0.33
106-46-7	1,4-Dichlorobenzene	23.0		6.4	0.90
78-93-3	2-Butanone (MEK)	186		32	2.4
591-78-6	2-Hexanone	163		32	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	200		32	2.1
67-64-1	Acetone	212		32	5.4
71-43-2	Benzene	43.5		6.4	0.31
75-27-4	Bromodichloromethane	40.5		6.4	0.86
75-25-2	Bromoform	32.1		6.4	3.2
74-83-9	Bromomethane	68.9		6.4	0.58
75-15-0	Carbon disulfide	42.2		6.4	3.2
56-23-5	Carbon tetrachloride	51.8		6.4	0.62
108-90-7	Chlorobenzene	33.5		6.4	0.85
75-00-3	Chloroethane	67.3		6.4	1.5
67-66-3	Chloroform	45.5		6.4	0.40
74-87-3	Chloromethane	67.2		6.4	0.39
156-59-2	cis-1,2-Dichloroethene	42.4		6.4	0.82
10061-01-5	cis-1,3-Dichloropropene	33.2		6.4	0.93
110-82-7	Cyclohexane	44.7		6.4	0.90
124-48-1	Dibromochloromethane	39.3		6.4	0.82
75-71-8	Dichlorodifluoromethane	66.1		6.4	0.53
100-41-4	Ethylbenzene	35.6		6.4	0.44
98-82-8	Isopropylbenzene	43.0		6.4	0.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B16-AREA2-S2 MSD | Lab Sample ID: 480-92332-17 MSD

Matrix: Solid | Lab File ID: P2379.D

Analysis Method: 8260C | Date Collected: 12/07/2015 11:40

Sample wt/vol: 5.02(g) | Date Analyzed: 12/15/2015 16:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.5 | Level: (low/med) Low

Analysis Batch No.: 279815 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	192		6.4	3.9
1634-04-4	Methyl tert-butyl ether	48.4		6.4	0.63
108-87-2	Methylcyclohexane	38.3		6.4	0.98
75-09-2	Methylene Chloride	53.9		6.4	3.0
100-42-5	Styrene	29.2		6.4	0.32
127-18-4	Tetrachloroethene	38.5		6.4	0.86
108-88-3	Toluene	38.1		6.4	0.49
156-60-5	trans-1,2-Dichloroethene	40.5		6.4	0.66
10061-02-6	trans-1,3-Dichloropropene	30.7		6.4	2.8
79-01-6	Trichloroethene	35.5		6.4	1.4
75-69-4	Trichlorofluoromethane	59.7		6.4	0.61
75-01-4	Vinyl chloride	61.0		6.4	0.78
1330-20-7	Xylenes, Total	71.7		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		64-126
460-00-4	4-Bromofluorobenzene (Surr)	85		72-126
2037-26-5	Toluene-d8 (Surr)	105		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2379.D
Lims ID: 480-92332-A-17-I MSD
Client ID: B16-AREA2-S2
Sample Type: MSD
Inject. Date: 15-Dec-2015 16:42:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92332-A-17-I MSD
Misc. Info.: 480-0049245-009
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 19:46:49 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 15-Dec-2015 19:48:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	364111	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	669210	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	97	516422	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	251419	50.0	44.7	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1533086	50.0	52.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	434346	50.0	42.6	
10 Dichlorodifluoromethane	85	4.048	4.030	0.018	98	595332		51.4	
11 Chloromethane	50	4.346	4.340	0.006	99	541939		52.3	
17 Vinyl chloride	62	4.583	4.571	0.012	97	389085		47.5	
12 Bromomethane	94	5.137	5.119	0.018	94	253026		53.6	
13 Chloroethane	64	5.258	5.246	0.012	96	271189		52.4	
14 Trichlorofluoromethane	101	5.684	5.666	0.018	99	676025		46.5	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.299	0.012	94	465998		38.4	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	410205		33.8	
24 Acetone	43	6.402	6.390	0.012	98	688361		165.0	
30 Methyl acetate	43	6.773	6.767	0.006	100	1425409		149.1	
27 Carbon disulfide	76	6.785	6.773	0.012	100	1234538		32.8	
31 Methylene Chloride	84	6.992	6.980	0.012	94	449220		41.9	
32 Methyl tert-butyl ether	73	7.236	7.224	0.012	99	1220184		37.6	
35 trans-1,2-Dichloroethene	96	7.315	7.303	0.012	92	323401		31.5	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	827178		36.3	
44 2-Butanone (MEK)	43	8.477	8.471	0.006	98	889830		144.6	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	87	367117		33.0	
49 Chloroform	83	8.884	8.878	0.006	96	693916		35.4	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	98	537879		41.3	
54 Cyclohexane	56	9.219	9.213	0.006	95	808491		34.8	
55 Carbon tetrachloride	117	9.353	9.347	0.006	96	586101		40.3	
57 Benzene	78	9.602	9.596	0.006	98	1359649		33.9	
60 1,2-Dichloroethane	62	9.626	9.620	0.006	97	523580		28.9	
62 Trichloroethene	95	10.350	10.350	0.000	95	299876		27.6	
64 Methylcyclohexane	83	10.594	10.588	0.006	98	555683		29.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	91	373544		32.0	
70 Dichlorobromomethane	83	10.995	10.989	0.006	98	460875		31.5	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	437592		25.8	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	1725793		155.7	
76 Toluene	92	11.975	11.969	0.006	98	704096		29.6	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	94	326346		23.9	
79 1,1,2-Trichloroethane	83	12.516	12.510	0.006	95	199731		30.7	
80 Tetrachloroethene	166	12.723	12.711	0.012	90	273233		29.9	
83 2-Hexanone	43	12.729	12.723	0.006	98	970654		127.2	
81 Chlorodibromomethane	129	13.100	13.094	0.006	90	272550		30.6	
85 Ethylene Dibromide	107	13.295	13.289	0.006	96	197535		23.2	
87 Chlorobenzene	112	13.885	13.879	0.006	93	675604		26.1	
89 Ethylbenzene	91	13.952	13.946	0.006	98	1140746		27.7	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	460383		26.4	
93 o-Xylene	106	14.639	14.633	0.006	97	516925		29.4	
94 Styrene	104	14.658	14.652	0.006	90	617589		22.7	
92 Bromoform	173	15.010	15.011	-0.001	95	139783		24.9	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	1223949		33.4	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	273624		31.6	
110 1,3-Dichlorobenzene	146	16.750	16.750	0.000	97	324317		18.6	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	94	300908		17.9	
116 1,2-Dichlorobenzene	146	17.347	17.341	0.005	95	354100		20.4	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.326	-0.006	79	38498		20.3	
119 1,2,4-Trichlorobenzene	180	19.409	19.403	0.006	94	94859		7.76	
S 126 Xylenes, Total	1				0			55.8	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

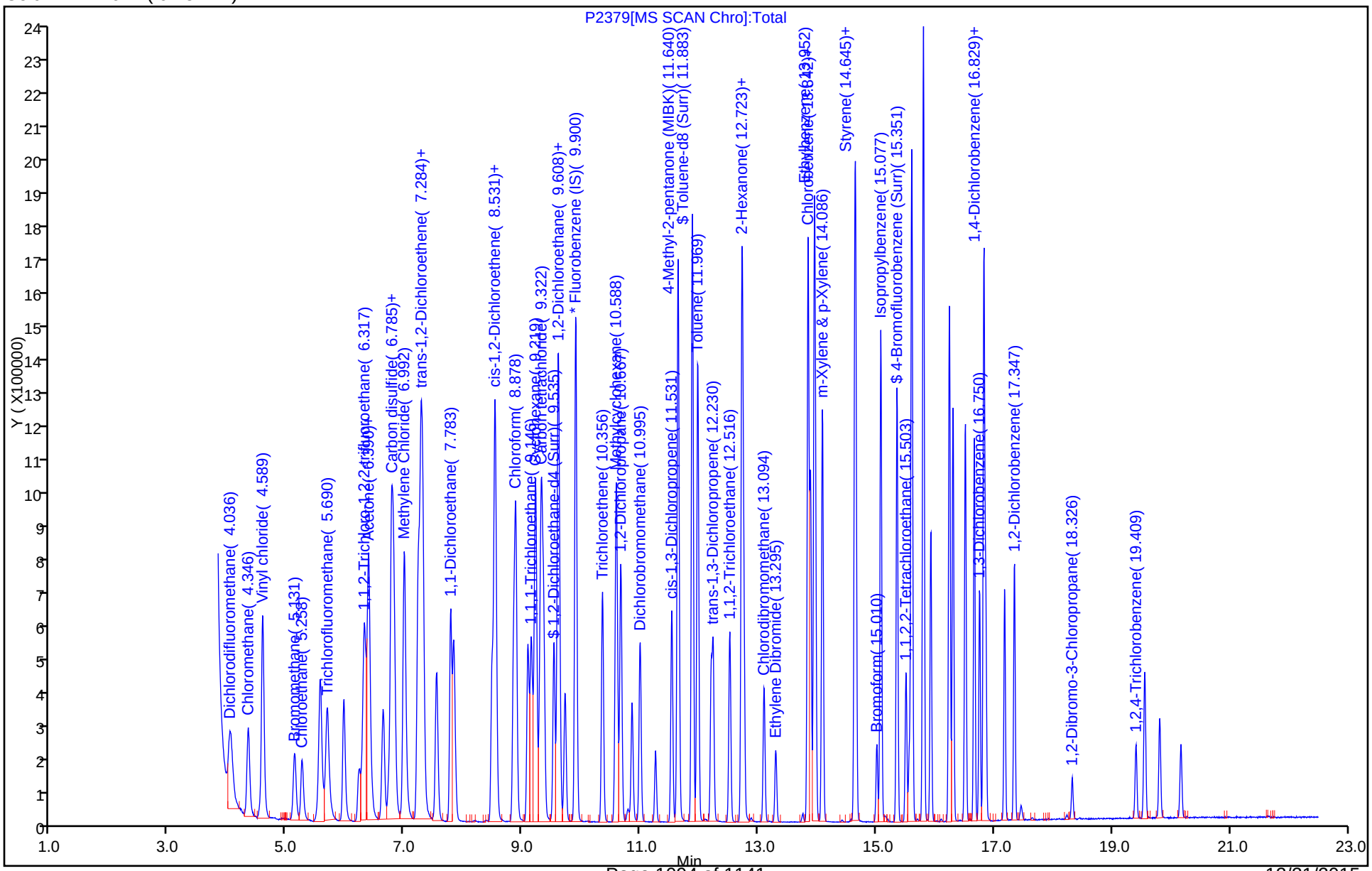
Report Date: 15-Dec-2015 19:48:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151215-49245.b\P2379.D

Injection Date:	15-Dec-2015 16:42:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92332-A-17-I MSD			Worklist Smp#:	9
Client ID:	B16-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 MSD | Lab Sample ID: 480-92332-24 MSD

Matrix: Solid | Lab File ID: S6505.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.09(g) | Date Analyzed: 12/23/2015 06:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2710		430	120
79-34-5	1,1,2,2-Tetrachloroethane	2840		430	69
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2350		430	210
79-00-5	1,1,2-Trichloroethane	2750		430	90
75-34-3	1,1-Dichloroethane	2690		430	130
75-35-4	1,1-Dichloroethene	2290		430	150
120-82-1	1,2,4-Trichlorobenzene	1800		430	160
96-12-8	1,2-Dibromo-3-Chloropropane	2120		430	210
106-93-4	1,2-Dibromoethane	2650		430	75
95-50-1	1,2-Dichlorobenzene	2700		430	110
107-06-2	1,2-Dichloroethane	2370		430	170
78-87-5	1,2-Dichloropropane	2570		430	69
541-73-1	1,3-Dichlorobenzene	2680		430	110
106-46-7	1,4-Dichlorobenzene	2720		430	60
78-93-3	2-Butanone (MEK)	12300		2100	1300
591-78-6	2-Hexanone	14000		2100	870
108-10-1	4-Methyl-2-pentanone (MIBK)	13700		2100	140
67-64-1	Acetone	12400		2100	1800
71-43-2	Benzene	2760		430	81
75-27-4	Bromodichloromethane	2350		430	85
75-25-2	Bromoform	2060		430	210
74-83-9	Bromomethane	2420		430	94
75-15-0	Carbon disulfide	1930		430	190
56-23-5	Carbon tetrachloride	2320		430	110
108-90-7	Chlorobenzene	2700		430	56
75-00-3	Chloroethane	2060		430	89
67-66-3	Chloroform	2650		430	290
74-87-3	Chloromethane	1930		430	100
156-59-2	cis-1,2-Dichloroethene	2750		430	120
10061-01-5	cis-1,3-Dichloropropene	2230		430	100
110-82-7	Cyclohexane	2600		430	95
124-48-1	Dibromochloromethane	1920		430	210
75-71-8	Dichlorodifluoromethane	1590		430	190
100-41-4	Ethylbenzene	3690		430	120
98-82-8	Isopropylbenzene	3160		430	64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92332-1

SDG No.:

Client Sample ID: B29-AREA2-S1 MSD | Lab Sample ID: 480-92332-24 MSD

Matrix: Solid | Lab File ID: S6505.D

Analysis Method: 8260C | Date Collected: 12/08/2015 10:25

Sample wt/vol: 5.09(g) | Date Analyzed: 12/23/2015 06:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.9 | Level: (low/med) Medium

Analysis Batch No.: 281166 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	13600		430	200
1634-04-4	Methyl tert-butyl ether	2580		430	160
108-87-2	Methylcyclohexane	2590		430	200
75-09-2	Methylene Chloride	2450		430	84
100-42-5	Styrene	2630		430	100
127-18-4	Tetrachloroethene	62000		430	57
108-88-3	Toluene	3110		430	110
156-60-5	trans-1,2-Dichloroethene	2560		430	100
10061-02-6	trans-1,3-Dichloropropene	2430		430	42
79-01-6	Trichloroethene	32100		430	120
75-69-4	Trichlorofluoromethane	2660		430	200
75-01-4	Vinyl chloride	2120		430	140
1330-20-7	Xylenes, Total	5940		850	240

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6505.D
Lims ID: 480-92332-A-24-D MSD
Client ID:
Sample Type: MSD
Inject. Date: 23-Dec-2015 06:45:30 ALS Bottle#: 26 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-92332-A-24-D MSD
Misc. Info.: 480-0049505-029
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 10:33:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: goliszekg Date: 23-Dec-2015 10:34:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	121752	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	239957	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	93	221326	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	93071	27.2	24.6	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	94	578407	27.2	27.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	175222	27.2	25.8	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	81	23406	25.0	3.74	
12 Chloromethane	50	1.401	1.407	-0.006	87	54568	25.0	4.54	
13 Vinyl chloride	62	1.505	1.511	-0.006	75	32233	25.0	4.98	
14 Bromomethane	94	1.790	1.821	-0.031	80	11234	25.0	5.68	
15 Chloroethane	64	1.888	1.924	-0.036	62	13767	25.0	4.82	
17 Trichlorofluoromethane	101	2.125	2.149	-0.024	48	36313	25.0	6.25	
21 1,1,2-Trichloro-1,2,2-trif	101	2.636	2.660	-0.024	43	26711	25.0	5.52	
22 1,1-Dichloroethene	96	2.648	2.667	-0.019	78	29440	25.0	5.38	
23 Acetone	43	2.740	2.740	0.000	98	65832	125.0	29.0	
26 Carbon disulfide	76	2.849	2.855	-0.006	96	71056	25.0	4.52	
27 Methyl acetate	43	3.044	3.044	0.000	97	186356	125.0	31.9	
30 Methylene Chloride	84	3.159	3.171	-0.012	80	35414	25.0	5.75	
32 Methyl tert-butyl ether	73	3.366	3.372	-0.006	90	96263	25.0	6.06	
34 trans-1,2-Dichloroethene	96	3.372	3.378	-0.006	73	33907	25.0	6.00	
39 1,1-Dichloroethane	63	3.786	3.792	-0.006	82	77467	25.0	6.30	
45 cis-1,2-Dichloroethene	96	4.340	4.346	-0.006	71	39936	25.0	6.45	
43 2-Butanone (MEK)	43	4.376	4.370	0.006	90	103536	125.0	28.8	
50 Chloroform	83	4.656	4.656	0.000	74	58613	25.0	6.20	
51 1,1,1-Trichloroethane	97	4.778	4.784	-0.006	78	43122	25.0	6.35	
52 Cyclohexane	56	4.802	4.808	-0.006	60	89157	25.0	6.10	
55 Carbon tetrachloride	117	4.924	4.930	-0.006	66	34184	25.0	5.43	
57 Benzene	78	5.130	5.136	-0.006	91	141540	25.0	6.47	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	55128	25.0	5.55	
62 Trichloroethene	95	5.745	5.751	-0.006	90	433915	25.0	75.2	
64 Methylcyclohexane	83	5.885	5.885	0.000	94	59418	25.0	6.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63	5.976	5.976	0.000	88	40969	25.0	6.03	
68 Dichlorobromomethane	83	6.262	6.262	0.000	74	33196	25.0	5.52	
72 cis-1,3-Dichloropropene	75	6.682	6.688	-0.006	69	44558	25.0	5.23	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	97	210871	125.0	32.0	
74 Toluene	92	6.980	6.986	-0.006	87	94976	25.0	7.30	
77 trans-1,3-Dichloropropene	75	7.247	7.247	0.000	90	38047	25.0	5.70	
79 1,1,2-Trichloroethane	83	7.430	7.436	-0.006	84	23235	25.0	6.45	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	911595	25.0	145.4	E
80 2-Hexanone	43	7.667	7.667	0.000	98	146856	125.0	32.9	
83 Chlorodibromomethane	129	7.831	7.831	0.000	78	17634	25.0	4.51	
84 Ethylene Dibromide	107	7.941	7.935	0.006	74	26454	25.0	6.21	
87 Chlorobenzene	112	8.422	8.422	0.000	83	96243	25.0	6.34	
88 Ethylbenzene	91	8.525	8.525	0.000	98	204212	25.0	8.66	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	74569		7.46	
91 o-Xylene	106	9.066	9.073	-0.007	96	63220		6.48	
92 Styrene	104	9.097	9.097	0.000	93	96801	25.0	6.17	
95 Bromoform	173	9.328	9.328	0.000	75	8790	25.0	4.83	
94 Isopropylbenzene	105	9.456	9.456	0.000	95	157618	25.0	7.41	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	75	31374	25.0	6.66	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	97	72658	25.0	6.29	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	91	74701	25.0	6.38	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	88	70931	25.0	6.33	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	23	3523	25.0	4.97	
119 1,2,4-Trichlorobenzene	180	12.564	12.564	0.000	87	34766	25.0	4.22	
S 124 Xylenes, Total	1				0			13.9	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

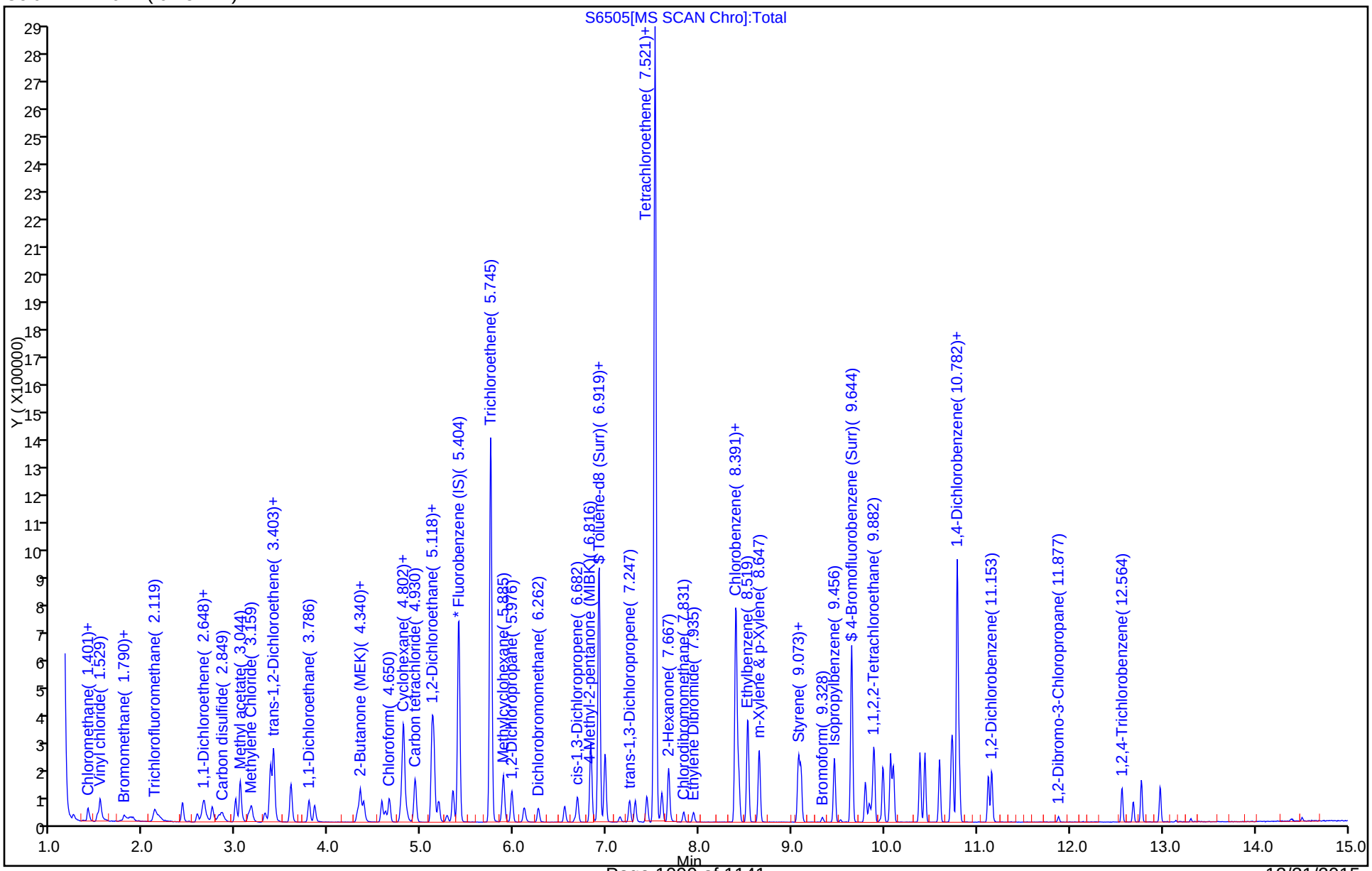
Report Date: 23-Dec-2015 10:34:50 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49505.b\S6505.D

Injection Date:	23-Dec-2015 06:45:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	480-92332-A-24-D MSD			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	26
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/02/2015 00:49

Analysis Batch Number: 277678 End Date: 12/02/2015 09:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277678/1		12/02/2015 00:49	1	P1875.D	ZB-624 (60) 0.25(mm)
IC 480-277678/3		12/02/2015 01:45	1	P1877.D	ZB-624 (60) 0.25(mm)
IC 480-277678/4		12/02/2015 02:13	1	P1878.D	ZB-624 (60) 0.25(mm)
IC 480-277678/5		12/02/2015 02:40	1	P1879.D	ZB-624 (60) 0.25(mm)
IC 480-277678/6		12/02/2015 03:07	1	P1880.D	ZB-624 (60) 0.25(mm)
ICIS 480-277678/7		12/02/2015 03:34	1	P1881.D	ZB-624 (60) 0.25(mm)
IC 480-277678/8		12/02/2015 04:01	1	P1882.D	ZB-624 (60) 0.25(mm)
IC 480-277678/9		12/02/2015 04:29	1	P1883.D	ZB-624 (60) 0.25(mm)
IC 480-277678/11		12/02/2015 05:23	1		ZB-624 (60) 0.25(mm)
IC 480-277678/12		12/02/2015 05:50	1		ZB-624 (60) 0.25(mm)
IC 480-277678/13		12/02/2015 06:17	1		ZB-624 (60) 0.25(mm)
IC 480-277678/14		12/02/2015 06:44	1		ZB-624 (60) 0.25(mm)
IC 480-277678/15		12/02/2015 07:11	1		ZB-624 (60) 0.25(mm)
IC 480-277678/16		12/02/2015 07:38	1		ZB-624 (60) 0.25(mm)
IC 480-277678/17		12/02/2015 08:06	1		ZB-624 (60) 0.25(mm)
MDLV 480-277678/19		12/02/2015 09:00	1		ZB-624 (60) 0.25(mm)
MDLV 480-277678/20		12/02/2015 09:27	1		ZB-624 (60) 0.25(mm)
ICV 480-277678/21		12/02/2015 09:54	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/14/2015 09:36

Analysis Batch Number: 279534 End Date: 12/14/2015 20:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279534/3		12/14/2015 09:36	1	P2319.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279534/4		12/14/2015 10:09	1	P2320.D	ZB-624 (60) 0.25(mm)
CCV 480-279534/5		12/14/2015 10:48	1		ZB-624 (60) 0.25(mm)
LCS 480-279590/1-A		12/14/2015 11:15	1	P2322.D	ZB-624 (60) 0.25(mm)
MB 480-279590/2-A		12/14/2015 12:10	1	P2324.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 13:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 14:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 14:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 15:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 15:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 16:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 16:31	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 16:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 18:20	1		ZB-624 (60) 0.25(mm)
480-92332-2	B10-AREA2-S1	12/14/2015 18:47	1	P2336.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 19:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 19:41	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 20:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/14/2015 20:36	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/14/2015 23:14

Analysis Batch Number: 279691 End Date: 12/15/2015 10:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279691/2		12/14/2015 23:14	1	P2345.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279691/3		12/14/2015 23:57	1	P2346.D	ZB-624 (60) 0.25(mm)
CCV 480-279691/4		12/15/2015 00:24	1		ZB-624 (60) 0.25(mm)
LCS 480-279710/1-A		12/15/2015 00:52	1	P2348.D	ZB-624 (60) 0.25(mm)
MB 480-279710/2-A		12/15/2015 01:46	1	P2350.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 02:26	1		ZB-624 (60) 0.25(mm)
480-92332-1	B7-AREA2-S1	12/15/2015 02:53	1	P2352.D	ZB-624 (60) 0.25(mm)
480-92332-3	B10-AREA2-S2	12/15/2015 03:21	1	P2353.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 03:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 04:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 04:43	1		ZB-624 (60) 0.25(mm)
480-92332-4	B10-AREA2-S3	12/15/2015 05:37	1	P2358.D	ZB-624 (60) 0.25(mm)
480-92332-5	B11-AREA2-S1	12/15/2015 06:04	1	P2359.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 06:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 06:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 07:26	1		ZB-624 (60) 0.25(mm)
480-92332-9	B13-AREA2-S1	12/15/2015 07:53	1	P2363.D	ZB-624 (60) 0.25(mm)
480-92332-10	B13-AREA2-S2	12/15/2015 08:21	1	P2364.D	ZB-624 (60) 0.25(mm)
480-92332-11	B-AREA2-DUP2	12/15/2015 08:48	1	P2365.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 09:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 09:43	1		ZB-624 (60) 0.25(mm)
480-92332-14	B15-AREA2-S1	12/15/2015 10:10	1	P2368.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 10:37	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/15/2015 11:52

Analysis Batch Number: 279815 End Date: 12/15/2015 23:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279815/1		12/15/2015 11:52	1	P2371.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279815/2		12/15/2015 12:22	1	P2372.D	ZB-624 (60) 0.25(mm)
CCV 480-279815/3		12/15/2015 13:14	1		ZB-624 (60) 0.25(mm)
LCS 480-279840/1-A		12/15/2015 13:42	1	P2374.D	ZB-624 (60) 0.25(mm)
MB 480-279840/2-A		12/15/2015 14:36	1	P2376.D	ZB-624 (60) 0.25(mm)
480-92332-17	B16-AREA2-S2	12/15/2015 15:48	1	P2377.D	ZB-624 (60) 0.25(mm)
480-92332-17 MS	B16-AREA2-S2 MS	12/15/2015 16:15	1	P2378.D	ZB-624 (60) 0.25(mm)
480-92332-17 MSD	B16-AREA2-S2 MSD	12/15/2015 16:42	1	P2379.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 17:37	1		ZB-624 (60) 0.25(mm)
480-92332-6	B12-AREA2-S1	12/15/2015 18:04	1	P2382.D	ZB-624 (60) 0.25(mm)
480-92332-8	B12-AREA2-S3	12/15/2015 18:31	1	P2383.D	ZB-624 (60) 0.25(mm)
480-92332-10 DL	B13-AREA2-S2 DL	12/15/2015 18:58	1	P2384.D	ZB-624 (60) 0.25(mm)
480-92332-13	B14-AREA2-S2	12/15/2015 19:26	1	P2385.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 19:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 20:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 20:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 21:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 21:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 22:09	1		ZB-624 (60) 0.25(mm)
480-92332-22	B28-AREA2-S1	12/15/2015 22:37	1	P2392.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 23:04	1		ZB-624 (60) 0.25(mm)
480-92332-24	B29-AREA2-S1	12/15/2015 23:31	1	P2394.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/16/2015 09:03

Analysis Batch Number: 279989 End Date: 12/16/2015 19:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279989/2		12/16/2015 09:03	1	P2399.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279989/3		12/16/2015 09:33	1	P2400.D	ZB-624 (60) 0.25(mm)
CCV 480-279989/4		12/16/2015 10:27	1		ZB-624 (60) 0.25(mm)
LCS 480-279980/1-A		12/16/2015 10:54	1	P2402.D	ZB-624 (60) 0.25(mm)
MB 480-279980/2-A		12/16/2015 11:48	1	P2404.D	ZB-624 (60) 0.25(mm)
480-92332-15	B15-AREA2-S2	12/16/2015 12:52	1	P2405.D	ZB-624 (60) 0.25(mm)
480-92332-16	B16-AREA2-S1	12/16/2015 13:19	1	P2406.D	ZB-624 (60) 0.25(mm)
480-92332-18	B17-AREA2-S1	12/16/2015 13:46	1	P2407.D	ZB-624 (60) 0.25(mm)
480-92332-19	B17-AREA2-S2	12/16/2015 14:13	1	P2408.D	ZB-624 (60) 0.25(mm)
480-92332-20	B27-AREA2-S1	12/16/2015 14:41	1	P2409.D	ZB-624 (60) 0.25(mm)
480-92332-21	B27-AREA2-S2	12/16/2015 15:08	1	P2410.D	ZB-624 (60) 0.25(mm)
480-92332-23	B28-AREA2-S2	12/16/2015 15:35	1	P2411.D	ZB-624 (60) 0.25(mm)
480-92332-25	B29-AREA2-S2	12/16/2015 16:02	1	P2412.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 16:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 16:57	1		ZB-624 (60) 0.25(mm)
480-92332-28	B31-AREA2-S1	12/16/2015 17:24	1	P2415.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 17:51	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 18:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 18:46	1		ZB-624 (60) 0.25(mm)
480-92332-15 MS	B15-AREA2-S2 MS	12/16/2015 19:13	1	P2419.D	ZB-624 (60) 0.25(mm)
480-92332-15 MSD	B15-AREA2-S2 MSD	12/16/2015 19:40	1	P2420.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/16/2015 20:17

Analysis Batch Number: 280185 End Date: 12/17/2015 06:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280185/2		12/16/2015 20:17	1	P2421.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280185/3		12/16/2015 20:45	1	P2422.D	ZB-624 (60) 0.25(mm)
CCV 480-280185/4		12/16/2015 21:12	1		ZB-624 (60) 0.25(mm)
LCS 480-280183/1-A		12/16/2015 21:54	1	P2424.D	ZB-624 (60) 0.25(mm)
MB 480-280183/2-A		12/16/2015 22:49	1	P2426.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 23:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 00:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 00:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 01:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 01:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 02:06	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 02:34	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 03:01	1		ZB-624 (60) 0.25(mm)
480-92332-26	B30-AREA2-S1	12/17/2015 03:28	1	P2435.D	ZB-624 (60) 0.25(mm)
480-92332-27	B30-AREA2-S2	12/17/2015 03:56	1	P2436.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 04:23	1		ZB-624 (60) 0.25(mm)
480-92332-29	B31-AREA2-S2	12/17/2015 04:50	1	P2438.D	ZB-624 (60) 0.25(mm)
480-92332-31	B35-AREA2-S2	12/17/2015 05:18	1	P2439.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 05:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 06:13	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973Q Start Date: 12/15/2015 22:50

Analysis Batch Number: 279905 End Date: 12/16/2015 07:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279905/3		12/15/2015 22:50	1	Q7632.D	ZB-624 (60) 0.25(mm)
IC 480-279905/5		12/16/2015 00:00	1	Q7634.D	ZB-624 (60) 0.25(mm)
IC 480-279905/6		12/16/2015 00:23	1	Q7635.D	ZB-624 (60) 0.25(mm)
IC 480-279905/7		12/16/2015 00:47	1	Q7636.D	ZB-624 (60) 0.25(mm)
IC 480-279905/8		12/16/2015 01:10	1	Q7637.D	ZB-624 (60) 0.25(mm)
IC 480-279905/9		12/16/2015 01:33	1	Q7638.D	ZB-624 (60) 0.25(mm)
ICIS 480-279905/10		12/16/2015 01:57	1	Q7639.D	ZB-624 (60) 0.25(mm)
IC 480-279905/11		12/16/2015 02:20	1	Q7640.D	ZB-624 (60) 0.25(mm)
IC 480-279905/12		12/16/2015 02:44	1	Q7641.D	ZB-624 (60) 0.25(mm)
IC 480-279905/14		12/16/2015 03:31	1		ZB-624 (60) 0.25(mm)
IC 480-279905/15		12/16/2015 03:54	1		ZB-624 (60) 0.25(mm)
IC 480-279905/16		12/16/2015 04:18	1		ZB-624 (60) 0.25(mm)
IC 480-279905/17		12/16/2015 04:41	1		ZB-624 (60) 0.25(mm)
IC 480-279905/18		12/16/2015 05:04	1		ZB-624 (60) 0.25(mm)
IC 480-279905/19		12/16/2015 05:28	1		ZB-624 (60) 0.25(mm)
IC 480-279905/20		12/16/2015 05:51	1		ZB-624 (60) 0.25(mm)
ICV 480-279905/24		12/16/2015 07:25	1		ZB-624 (60) 0.25(mm)
ICV 480-279905/25		12/16/2015 07:49	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973Q Start Date: 12/18/2015 23:10

Analysis Batch Number: 280604 End Date: 12/19/2015 09:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280604/2		12/18/2015 23:10	1	Q7760.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280604/3		12/18/2015 23:40	1	Q7761.D	ZB-624 (60) 0.25(mm)
CCV 480-280604/4		12/19/2015 00:04	1		ZB-624 (60) 0.25(mm)
LCS 480-280604/5		12/19/2015 00:28	1	Q7763.D	ZB-624 (60) 0.25(mm)
RL 480-280604/6		12/19/2015 00:51	1		ZB-624 (60) 0.25(mm)
MB 480-280604/7		12/19/2015 01:14	1	Q7765.D	ZB-624 (60) 0.25(mm)
480-92332-32	SB-RINSEBLANK3	12/19/2015 02:01	1	Q7767.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 02:25	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 02:49	1000		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 03:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 03:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 04:00	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 04:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 04:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 05:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 05:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 06:00	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 06:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 06:47	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 07:11	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 07:34	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 07:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 08:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 08:44	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 09:07	5		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/07/2015 13:03

Analysis Batch Number: 278464 End Date: 12/07/2015 21:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-278464/3		12/07/2015 13:03	1	S5792.D	ZB-624 (60) 0.25(mm)
IC 480-278464/5		12/07/2015 13:52	1	S5794.D	ZB-624 (60) 0.25(mm)
IC 480-278464/7		12/07/2015 14:38	1	S5796.D	ZB-624 (60) 0.25(mm)
IC 480-278464/8		12/07/2015 15:01	1	S5797.D	ZB-624 (60) 0.25(mm)
ICIS 480-278464/9		12/07/2015 15:24	1	S5798.D	ZB-624 (60) 0.25(mm)
IC 480-278464/10		12/07/2015 15:47	1	S5799.D	ZB-624 (60) 0.25(mm)
IC 480-278464/11		12/07/2015 16:09	1	S5800.D	ZB-624 (60) 0.25(mm)
IC 480-278464/13		12/07/2015 16:55	1	S5802.D	ZB-624 (60) 0.25(mm)
IC 480-278464/15		12/07/2015 17:41	1		ZB-624 (60) 0.25(mm)
IC 480-278464/16		12/07/2015 18:04	1		ZB-624 (60) 0.25(mm)
IC 480-278464/17		12/07/2015 18:26	1		ZB-624 (60) 0.25(mm)
IC 480-278464/18		12/07/2015 18:49	1		ZB-624 (60) 0.25(mm)
IC 480-278464/19		12/07/2015 19:11	1		ZB-624 (60) 0.25(mm)
IC 480-278464/20		12/07/2015 19:33	1		ZB-624 (60) 0.25(mm)
IC 480-278464/21		12/07/2015 19:56	1		ZB-624 (60) 0.25(mm)
MDLV 480-278464/23		12/07/2015 20:41	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/24		12/07/2015 21:03	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/25		12/07/2015 21:25	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/16/2015 21:01

Analysis Batch Number: 280176 End Date: 12/17/2015 08:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280176/2		12/16/2015 21:01	1	S6159.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280176/3		12/16/2015 21:40	1	S6160.D	ZB-624 (60) 0.25(mm)
CCV 480-280176/4		12/16/2015 22:50	1	S6161.D	ZB-624 (60) 0.25(mm)
LCS 480-280169/1-A		12/16/2015 23:36	1	S6163.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 23:59	1		ZB-624 (60) 0.25(mm)
RL 480-280176/6		12/17/2015 00:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 00:45	1		ZB-624 (60) 0.25(mm)
MB 480-280169/2-A		12/17/2015 01:07	1	S6201.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 01:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 01:53	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 02:16	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 02:39	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 03:02	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 03:25	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 03:48	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 04:10	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 04:33	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 04:56	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 05:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 05:42	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 06:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 06:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 06:51	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 07:13	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 07:36	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 07:59	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 08:22	40		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/18/2015 21:47

Analysis Batch Number: 280605 End Date: 12/19/2015 09:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280605/1		12/18/2015 21:47	1	S6302.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280605/2		12/18/2015 23:19	1	S6303.D	ZB-624 (60) 0.25(mm)
CCV 480-280605/3		12/18/2015 23:42	1	S6304.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 00:04	1		ZB-624 (60) 0.25(mm)
LCS 480-280619/1-A		12/19/2015 00:27	1	S6306.D	ZB-624 (60) 0.25(mm)
RL 480-280605/5		12/19/2015 00:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 01:13	1		ZB-624 (60) 0.25(mm)
MB 480-280619/3-A		12/19/2015 01:36	1	S6309.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 02:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 02:53	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 03:16	200		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 03:39	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 04:02	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 04:24	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 04:47	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 05:10	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 05:33	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 05:56	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 06:19	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 06:42	20		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 07:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 07:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 07:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 08:13	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 08:36	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 08:58	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/19/2015 09:21	500		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/20/2015 11:52

Analysis Batch Number: 280696 End Date: 12/20/2015 22:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280696/2		12/20/2015 11:52	1	S6359.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280696/3		12/20/2015 12:18	1	S6360.D	ZB-624 (60) 0.25(mm)
CCV 480-280696/4		12/20/2015 12:41	1	S6361.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 13:04	1		ZB-624 (60) 0.25(mm)
RL 480-280696/6		12/20/2015 13:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 14:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 15:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 15:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 15:50	50		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 16:13	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 16:36	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 16:59	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 17:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 17:44	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 18:07	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 18:30	1		ZB-624 (60) 0.25(mm)
480-92332-3 DL	B10-AREA2-S2 DL	12/20/2015 18:53	10	S6377.D	ZB-624 (60) 0.25(mm)
480-92332-5 DL	B11-AREA2-S1 DL	12/20/2015 19:16	4	S6378.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 19:39	4		ZB-624 (60) 0.25(mm)
480-92332-7	B12-AREA2-S2	12/20/2015 20:02	10	S6380.D	ZB-624 (60) 0.25(mm)
480-92332-9 DL	B13-AREA2-S1 DL	12/20/2015 20:24	10	S6381.D	ZB-624 (60) 0.25(mm)
480-92332-11 DL	B-AREA2-DUP2 DL	12/20/2015 20:47	10	S6382.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/20/2015 21:10	20		ZB-624 (60) 0.25(mm)
480-92332-14 DL	B15-AREA2-S1 DL	12/20/2015 21:33	10	S6384.D	ZB-624 (60) 0.25(mm)
480-92332-14 MS	B15-AREA2-S1 MS	12/20/2015 21:56	10	S6385.D	ZB-624 (60) 0.25(mm)
480-92332-14 MSD	B15-AREA2-S1 MSD	12/20/2015 22:19	10	S6386.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/21/2015 09:57

Analysis Batch Number: 280772 End Date: 12/21/2015 20:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280772/2		12/21/2015 09:57	1	S6390.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280772/3		12/21/2015 10:27	1	S6391.D	ZB-624 (60) 0.25(mm)
CCV 480-280772/4		12/21/2015 10:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 11:13	1		ZB-624 (60) 0.25(mm)
RL 480-280772/6		12/21/2015 11:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 11:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 12:55	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 13:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 13:41	1		ZB-624 (60) 0.25(mm)
480-92332-12	B14-AREA2-S1	12/21/2015 14:03	5	S6399.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 14:49	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 15:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 15:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 15:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 16:21	20		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 16:44	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 17:07	8		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 17:29	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 17:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 18:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 18:38	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 19:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 19:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 19:47	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 20:10	20		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 20:32	20		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/22/2015 10:30

Analysis Batch Number: 281000 End Date: 12/22/2015 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-281000/2		12/22/2015 10:30	1	S6452.D	ZB-624 (60) 0.25(mm)
CCVIS 480-281000/3		12/22/2015 10:55	1	S6453.D	ZB-624 (60) 0.25(mm)
CCV 480-281000/4		12/22/2015 11:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 11:41	1		ZB-624 (60) 0.25(mm)
RL 480-281000/6		12/22/2015 12:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 12:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 13:42	1		ZB-624 (60) 0.25(mm)
480-92332-30	B35-AREA2-S1	12/22/2015 14:05	10	S6461.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 14:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 14:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 16:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 16:45	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 17:08	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 17:53	1		ZB-624 (60) 0.25(mm)
480-92332-28 DL	B31-AREA2-S1 DL	12/22/2015 18:16	2	S6472.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 18:39	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:02	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:25	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:48	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 20:10	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 20:33	4		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/22/2015 20:55

Analysis Batch Number: 281166 End Date: 12/23/2015 06:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-281166/2		12/22/2015 20:55	1	S6480.D	ZB-624 (60) 0.25(mm)
CCVIS 480-281166/3		12/22/2015 21:26	1	S6481.D	ZB-624 (60) 0.25(mm)
CCV 480-281166/4		12/22/2015 21:49	1		ZB-624 (60) 0.25(mm)
LCS 480-281171/1-A		12/22/2015 22:11	1	S6483.D	ZB-624 (60) 0.25(mm)
RL 480-281166/9		12/22/2015 22:34	1		ZB-624 (60) 0.25(mm)
MB 480-281171/2-A		12/22/2015 22:56	1	S6485.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 23:33	4		ZB-624 (60) 0.25(mm)
480-92332-24 DL	B29-AREA2-S1 DL	12/22/2015 23:56	4	S6487.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 00:18	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 00:41	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 01:04	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 01:27	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 01:49	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 02:12	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 02:35	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 02:58	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 03:21	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 03:44	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 04:07	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 04:29	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 04:52	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 05:15	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 05:37	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/23/2015 06:00	10		ZB-624 (60) 0.25(mm)
480-92332-24 MS	B29-AREA2-S1 MS	12/23/2015 06:22	4	S6504.D	ZB-624 (60) 0.25(mm)
480-92332-24 MSD	B29-AREA2-S1 MSD	12/23/2015 06:45	4	S6505.D	ZB-624 (60) 0.25(mm)

GC/MS VOA Worksheet

Batch Number: 480-280604
Method: 8260C
Analyst: Fortain, Gerald V

Date Open: Dec 18 2015 11:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00060	ADD CORP mix_00041
BFB~480-280604/2		8260C			1 uL	1 uL	HP5973Q		
CCVIS~480-280604/3		8260C			5 mL	5 mL	HP5973Q	12.5 uL	
CCV~480-280604/4		8260C			5 mL	5 mL	HP5973Q		12.5 uL
LCS~480-280604/5		8260C			5 mL	5 mL	HP5973Q	12.5 uL	
RL~480-280604/6					5 mL	5 mL	HP5973Q	1 uL	1 uL
MB~480-280604/7		8260C			5 mL	5 mL	HP5973Q		
480-92332-A-32	SB-RINSEBLANK3	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92386-A-5	SB-1-W	8260C	T	7 SU	5 mL	5 mL	HP5973Q		
480-92400-D-1	PHANTOM SOLUTION DISPOSAL SAMPLE	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92325-A-2	BETWEEN CARBONS 120815	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92325-A-3	EFFLUENT 120815	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-1	MW-B3S	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-2	MW-B1D	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-3	MW-B1S	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-4	MW-10D	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-5	MW-10I	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-6	MW-10S	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-7	MW-09S	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-8	FD-120815	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-A-9	TB-120815	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-18	MW-07I	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-19	MW-07S	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-20	MW-B3D	8260C	T	<2 SU	5 mL	5 mL	HP5973Q		
480-92395-D-8~MS		8260C	T	<2 SU	5 mL	5 mL	HP5973Q	12.5 uL	
480-92395-D-8~MSD		8260C	T	<2 SU	5 mL	5 mL	HP5973Q	12.5 uL	

GC/MS VOA Worksheet

Batch Number: 480-280604
Method: 8260C
Analyst: Fortain, Gerald V

Date Open: Dec 18 2015 11:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	BFB_WRK_00050	GAS CORP mix_00126	Q_8260_IS_00108	Q_8260_SURR_00101
BFB~480-280604/2		8260C		1 uL			
CCVIS~480-280604/3		8260C			12.5 uL	1.25 uL	1.25 uL
CCV~480-280604/4		8260C				1.25 uL	1.25 uL
LCS~480-280604/5		8260C			12.5 uL	1.25 uL	1.25 uL
RL~480-280604/6					1 uL	1.25 uL	1.25 uL
MB~480-280604/7		8260C				1.25 uL	1.25 uL
480-92332-A-32	SB-RINSEBLANK3	8260C	T			1.25 uL	1.25 uL
480-92386-A-5	SB-1-W	8260C	T			1.25 uL	1.25 uL
480-92400-D-1	PHANTOM SOLUTION DISPOSAL SAMPLE	8260C	T			1.25 uL	1.25 uL
480-92325-A-2	BETWEEN CARBONS 120815	8260C	T			1.25 uL	1.25 uL
480-92325-A-3	EFFLUENT 120815	8260C	T			1.25 uL	1.25 uL
480-92395-D-1	MW-B3S	8260C	T			1.25 uL	1.25 uL
480-92395-D-2	MW-B1D	8260C	T			1.25 uL	1.25 uL
480-92395-D-3	MW-B1S	8260C	T			1.25 uL	1.25 uL
480-92395-D-4	MW-10D	8260C	T			1.25 uL	1.25 uL
480-92395-D-5	MW-10I	8260C	T			1.25 uL	1.25 uL
480-92395-D-6	MW-10S	8260C	T			1.25 uL	1.25 uL
480-92395-D-7	MW-09S	8260C	T			1.25 uL	1.25 uL
480-92395-D-8	FD-120815	8260C	T			1.25 uL	1.25 uL
480-92395-A-9	TB-120815	8260C	T			1.25 uL	1.25 uL
480-92395-D-18	MW-07I	8260C	T			1.25 uL	1.25 uL
480-92395-D-19	MW-07S	8260C	T			1.25 uL	1.25 uL
480-92395-D-20	MW-B3D	8260C	T			1.25 uL	1.25 uL
480-92395-D-8~MS		8260C	T		12.5 uL	1.25 uL	1.25 uL
480-92395-D-8~MSD		8260C	T		12.5 uL	1.25 uL	1.25 uL

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279590 Batch Start Date: 12/14/15 09:56 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	ADD CORP mix 00041
LCS 480-279590/1-A		5035, 8260C		25.32 g	30.35 g	5.03 g	5 mL	2.5 uL	2.5 uL
MB 480-279590/2-A		5035, 8260C		25.21 g	30.30 g	5.09 g	5 mL		
480-92332-2	B10-AREA2-S1	5035, 8260C	T	25.89 g	30.93 g	5.04 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00126					
LCS 480-279590/1-A		5035, 8260C		2.5 uL					
MB 480-279590/2-A		5035, 8260C							
480-92332-2	B10-AREA2-S1	5035, 8260C	T						

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279710 Batch Start Date: 12/14/15 23:50 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00126
LCS 480-279710/1-A		5035, 8260C		24.95 g	29.95 g	5 g	5 mL	2.5 uL	2.5 uL
MB 480-279710/2-A		5035, 8260C		25.44 g	30.44 g	5 g	5 mL		
480-92332-1	B7-AREA2-S1	5035, 8260C	T	25.42 g	30.53 g	5.11 g	5 mL		
480-92332-3	B10-AREA2-S2	5035, 8260C	T	25.43 g	26.02 g	0.59 g	5 mL		
480-92332-4	B10-AREA2-S3	5035, 8260C	T	24.74 g	29.91 g	5.17 g	5 mL		
480-92332-5	B11-AREA2-S1	5035, 8260C	T	25.07 g	30.82 g	5.75 g	5 mL		
480-92332-9	B13-AREA2-S1	5035, 8260C	T	25.97 g	31.13 g	5.16 g	5 mL		
480-92332-10	B13-AREA2-S2	5035, 8260C	T	26.09 g	31.12 g	5.03 g	5 mL		
480-92332-11	B-AREA2-DUP2	5035, 8260C	T	25.97 g	31.51 g	5.54 g	5 mL		
480-92332-14	B15-AREA2-S1	5035, 8260C	T	26.12 g	31.15 g	5.03 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279710/1-A		5035, 8260C							
MB 480-279710/2-A		5035, 8260C							
480-92332-1	B7-AREA2-S1	5035, 8260C	T	bulk, confirm IS/SURR					
480-92332-3	B10-AREA2-S2	5035, 8260C	T	bulk, .5gr for targets					
480-92332-4	B10-AREA2-S3	5035, 8260C	T	bulk					
480-92332-5	B11-AREA2-S1	5035, 8260C	T	bulk					
480-92332-9	B13-AREA2-S1	5035, 8260C	T	bulk					
480-92332-10	B13-AREA2-S2	5035, 8260C	T	bulk					
480-92332-11	B-AREA2-DUP2	5035, 8260C	T	bulk					
480-92332-14	B15-AREA2-S1	5035, 8260C	T	bulk					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot# XH27A

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279710 Batch Start Date: 12/14/15 23:50 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279840 Batch Start Date: 12/15/15 12:30 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00126
LCS 480-279840/1-A		5035, 8260C		25.34 g	30.42 g	5.08 g	5 mL	2.5 uL	2.5 uL
MB 480-279840/2-A		5035, 8260C		25.11 g	30.12 g	5.01 g	5 mL		
480-92332-6	B12-AREA2-S1	5035, 8260C	T	25.07 g	25.57 g	0.5 g	5 mL		
480-92332-8	B12-AREA2-S3	5035, 8260C	T	25.08 g	30.25 g	5.17 g	5 mL		
480-92332-10	B13-AREA2-S2	5035, 8260C	T	25.03 g	25.58 g	0.55 g	5 mL		
480-92332-13	B14-AREA2-S2	5035, 8260C	T	25.34 g	25.85 g	0.51 g	5 mL		
480-92332-17	B16-AREA2-S2	5035, 8260C	T	25.03 g	30.11 g	5.08 g	5 mL		
480-92332-17 MS	B16-AREA2-S2	5035, 8260C	T	25.16 g	30.24 g	5.08 g	5 mL	2.5 uL	2.5 uL
480-92332-17 MSD	B16-AREA2-S2	5035, 8260C	T	25.27 g	30.29 g	5.02 g	5 mL	2.5 uL	2.5 uL
480-92332-22	B28-AREA2-S1	5035, 8260C	T	25.30 g	30.48 g	5.18 g	5 mL		
480-92332-24	B29-AREA2-S1	5035, 8260C	T	25.00 g	30.20 g	5.2 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment
LCS 480-279840/1-A		5035, 8260C		
MB 480-279840/2-A		5035, 8260C		
480-92332-6	B12-AREA2-S1	5035, 8260C	T	bulk .5g D08
480-92332-8	B12-AREA2-S3	5035, 8260C	T	bulk
480-92332-10	B13-AREA2-S2	5035, 8260C	T	bulk .5g DL
480-92332-13	B14-AREA2-S2	5035, 8260C	T	bulk .5g D08
480-92332-17	B16-AREA2-S2	5035, 8260C	T	bulk IS/SS variations on 2 previous runs with base/MS/MSD
480-92332-17 MS	B16-AREA2-S2	5035, 8260C	T	bulk IS/SS variations on 2 previous runs with base/MS/MSD

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279840 Batch Start Date: 12/15/15 12:30 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
480-92332-17 MSD	B16-AREA2-S2	5035, 8260C	T	bulk IS/SS variations on 2 previous runs with base/MS/MSD					
480-92332-22	B28-AREA2-S1	5035, 8260C	T	bulk					
480-92332-24	B29-AREA2-S1	5035, 8260C	T	bulk					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279980 Batch Start Date: 12/16/15 08:13 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00126
LCS 480-279980/1-A		5035, 8260C		24.81 g	29.97 g	5.16 g	5 mL	2.5 uL	2.5 uL
MB 480-279980/2-A		5035, 8260C		26.62 g	31.74 g	5.12 g	5 mL		
480-92332-15	B15-AREA2-S2	5035, 8260C	T	24.46 g	29.57 g	5.11 g	5 mL		
480-92332-16	B16-AREA2-S1	5035, 8260C	T	26.74 g	31.76 g	5.02 g	5 mL		
480-92332-18	B17-AREA2-S1	5035, 8260C	T	26.55 g	31.60 g	5.05 g	5 mL		
480-92332-19	B17-AREA2-S2	5035, 8260C	T	26.45 g	31.54 g	5.09 g	5 mL		
480-92332-20	B27-AREA2-S1	5035, 8260C	T	24.42 g	29.48 g	5.06 g	5 mL		
480-92332-21	B27-AREA2-S2	5035, 8260C	T	26.65 g	31.68 g	5.03 g	5 mL		
480-92332-23	B28-AREA2-S2	5035, 8260C	T	26.53 g	31.55 g	5.02 g	5 mL		
480-92332-25	B29-AREA2-S2	5035, 8260C	T	26.51 g	31.71 g	5.2 g	5 mL		
480-92332-28	B31-AREA2-S1	5035, 8260C	T	26.58 g	31.58 g	5 g	5 mL		
480-92332-15 MS	B15-AREA2-S2	5035, 8260C	T	26.48 g	31.51 g	5.03 g	5 mL	2.5 uL	2.5 uL
480-92332-15 MSD	B15-AREA2-S2	5035, 8260C	T	24.91 g	30.01 g	5.1 g	5 mL	2.5 uL	2.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279980/1-A		5035, 8260C							
MB 480-279980/2-A		5035, 8260C							
480-92332-15	B15-AREA2-S2	5035, 8260C	T	confirm IS/SS					
480-92332-16	B16-AREA2-S1	5035, 8260C	T	confirm IS/SS					
480-92332-18	B17-AREA2-S1	5035, 8260C	T	confirm IS/SS					
480-92332-19	B17-AREA2-S2	5035, 8260C	T	confirm IS					
480-92332-20	B27-AREA2-S1	5035, 8260C	T	confirm IS/SS					
480-92332-21	B27-AREA2-S2	5035, 8260C	T	confirm IS/SS					
480-92332-23	B28-AREA2-S2	5035, 8260C	T	confirm IS/SS					
480-92332-25	B29-AREA2-S2	5035, 8260C	T						
480-92332-28	B31-AREA2-S1	5035, 8260C	T						
480-92332-15 MS	B15-AREA2-S2	5035, 8260C	T	batch qc					

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279980 Batch Start Date: 12/16/15 08:13 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
480-92332-15 MSD	B15-AREA2-S2	5035, 8260C	T	batch qc					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 280169 Batch Start Date: 12/16/15 18:02 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	ADD CORP mix 00041
LCS 480-280169/1-A		5035A, 8260C		19.35 g	24.42 g	5.07 g	10 mL	125 uL	125 uL
MB 480-280169/2-A		5035A, 8260C		19.27 g	24.29 g	5.02 g	10 mL		
480-92332-3	B10-AREA2-S2	5035A, 8260C	T	19.22 g	24.34 g	5.12 g	10 mL		
480-92332-5	B11-AREA2-S1	5035A, 8260C	T	19.74 g	24.79 g	5.05 g	10 mL		
480-92332-7	B12-AREA2-S2	5035A, 8260C	T	19.23 g	24.30 g	5.07 g	10 mL		
480-92332-9	B13-AREA2-S1	5035A, 8260C	T	19.28 g	24.33 g	5.05 g	10 mL		
480-92332-11	B-AREA2-DUP2	5035A, 8260C	T	19.37 g	24.43 g	5.06 g	10 mL		
480-92332-12	B14-AREA2-S1	5035A, 8260C	T	19.32 g	24.35 g	5.03 g	10 mL		
480-92332-14	B15-AREA2-S1	5035A, 8260C	T	19.16 g	24.26 g	5.1 g	10 mL		
480-92332-14 MS	B15-AREA2-S1	5035A, 8260C	T	19.16 g	24.18 g	5.02 g	10 mL	125 uL	125 uL
480-92332-14 MSD	B15-AREA2-S1	5035A, 8260C	T	18.82 g	23.87 g	5.05 g	10 mL	125 uL	125 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00126	AnalysisComment				
LCS 480-280169/1-A		5035A, 8260C		125 uL					
MB 480-280169/2-A		5035A, 8260C							
480-92332-3	B10-AREA2-S2	5035A, 8260C	T		Bulk MLDL				
480-92332-5	B11-AREA2-S1	5035A, 8260C	T		Bulk MLDL				
480-92332-7	B12-AREA2-S2	5035A, 8260C	T		Bulk ML Base				
480-92332-9	B13-AREA2-S1	5035A, 8260C	T		Bulk MLDL				
480-92332-11	B-AREA2-DUP2	5035A, 8260C	T		Bulk MLDL				
480-92332-12	B14-AREA2-S1	5035A, 8260C	T		Bulk ML Base				
480-92332-14	B15-AREA2-S1	5035A, 8260C	T		Bulk MLDL				
480-92332-14 MS	B15-AREA2-S1	5035A, 8260C	T	125 uL	Batched				
480-92332-14 MSD	B15-AREA2-S1	5035A, 8260C	T	125 uL	Batched				

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 280169 Batch Start Date: 12/16/15 18:02 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Batch Notes	
Balance ID	B202613314
Methanol Lot Number	118655
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 280183 Batch Start Date: 12/16/15 20:09 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00126
LCS 480-280183/1-A		5035, 8260C		25.34 g	30.66 g	5.32 g	5 mL	2.5 uL	2.5 uL
MB 480-280183/2-A		5035, 8260C		24.55 g	29.58 g	5.03 g	5 mL		
480-92332-26	B30-AREA2-S1	5035, 8260C	T	25.45 g	30.58 g	5.13 g	5 mL		
480-92332-27	B30-AREA2-S2	5035, 8260C	T	25.14 g	30.41 g	5.27 g	5 mL		
480-92332-29	B31-AREA2-S2	5035, 8260C	T	25.44 g	26.44 g	1 g	5 mL		
480-92332-31	B35-AREA2-S2	5035, 8260C	T	24.90 g	29.97 g	5.07 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-280183/1-A		5035, 8260C							
MB 480-280183/2-A		5035, 8260C							
480-92332-26	B30-AREA2-S1	5035, 8260C	T	bulk, confirm IS/SURR					
480-92332-27	B30-AREA2-S2	5035, 8260C	T	bulk, confirm IS/SURR					
480-92332-29	B31-AREA2-S2	5035, 8260C	T	bulk, 1gr for targets, confirm IS/SURR					
480-92332-31	B35-AREA2-S2	5035, 8260C	T	bulk, confirm IS/SURR					

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot# XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 280619 Batch Start Date: 12/18/15 20:44 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	3_MCP_Add_WRK 00088	8260 CORP mix 00061
LCS 480-280619/1-A		5035A, 8260C		19.64 g	24.66 g	5.02 g	10 mL	125 uL	125 uL
MB 480-280619/3-A		5035A, 8260C		18.97 g	23.98 g	5.01 g	10 mL		
480-92332-28	B31-AREA2-S1	5035A, 8260C	T	19.69 g	24.73 g	5.04 g	10 mL		
480-92332-30	B35-AREA2-S1	5035A, 8260C	T	19.50 g	24.55 g	5.05 g	10 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00041	GAS CORP mix 00126	AnalysisComment			
LCS 480-280619/1-A		5035A, 8260C		125 uL	125 uL				
MB 480-280619/3-A		5035A, 8260C							
480-92332-28	B31-AREA2-S1	5035A, 8260C	T			Bulk MLDL			
480-92332-30	B35-AREA2-S1	5035A, 8260C	T			Bulk ML Base			

Batch Notes	
Balance ID	B202613314
Methanol Lot Number	118655
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 281171 Batch Start Date: 12/22/15 18:57 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00127
LCS 480-281171/1-A		5035A, 8260C		19.33 g	24.41 g	5.08 g	10 mL	125 uL	125 uL
MB 480-281171/2-A		5035A, 8260C		18.91 g	23.91 g	5 g	10 mL		
480-92332-24	B29-AREA2-S1	5035A, 8260C	T	19.04 g	24.13 g	5.09 g	10 mL		
480-92332-24 MS	B29-AREA2-S1	5035A, 8260C	T	19.39 g	24.43 g	5.04 g	10 mL	125 uL	125 uL
480-92332-24 MSD	B29-AREA2-S1	5035A, 8260C	T	19.56 g	24.65 g	5.09 g	10 mL	125 uL	125 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-281171/1-A		5035A, 8260C							
MB 480-281171/2-A		5035A, 8260C							
480-92332-24	B29-AREA2-S1	5035A, 8260C	T	Bulk MLDL 4x					
480-92332-24 MS	B29-AREA2-S1	5035A, 8260C	T	Batched					
480-92332-24 MSD	B29-AREA2-S1	5035A, 8260C	T	Batched					

Batch Notes	
Balance ID	B202613314
Methanol Lot Number	118655
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92332-1

SDG No.:

Project: Lockheed Martin Corporation - Soils

Client Sample ID	Lab Sample ID
B7-AREA2-S1	480-92332-1
B10-AREA2-S1	480-92332-2
B10-AREA2-S2	480-92332-3
B10-AREA2-S3	480-92332-4
B11-AREA2-S1	480-92332-5
B12-AREA2-S1	480-92332-6
B12-AREA2-S2	480-92332-7
B12-AREA2-S3	480-92332-8
B13-AREA2-S1	480-92332-9
B13-AREA2-S2	480-92332-10
B-AREA2-DUP2	480-92332-11
B14-AREA2-S1	480-92332-12
B14-AREA2-S2	480-92332-13
B15-AREA2-S1	480-92332-14
B15-AREA2-S2	480-92332-15
B16-AREA2-S1	480-92332-16
B16-AREA2-S2	480-92332-17
B17-AREA2-S1	480-92332-18
B17-AREA2-S2	480-92332-19
B27-AREA2-S1	480-92332-20
B27-AREA2-S2	480-92332-21
B28-AREA2-S1	480-92332-22
B28-AREA2-S2	480-92332-23
B29-AREA2-S1	480-92332-24
B29-AREA2-S2	480-92332-25
B30-AREA2-S1	480-92332-26
B30-AREA2-S2	480-92332-27
B31-AREA2-S1	480-92332-28
B31-AREA2-S2	480-92332-29
B35-AREA2-S1	480-92332-30
B35-AREA2-S2	480-92332-31

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92332-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92332-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2015 23:04 End Date: 12/13/2015 23:17

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
ZZZZZZ			23:04																					
480-92332-1	1	T	23:04	X	X																			
480-92332-2	1	T	23:04	X	X																			
480-92332-3	1	T	23:04	X	X																			
480-92332-4	1	T	23:04	X	X																			
480-92332-5	1	T	23:04	X	X																			
480-92332-6	1	T	23:04	X	X																			
480-92332-7	1	T	23:04	X	X																			
480-92332-8	1	T	23:04	X	X																			
480-92332-9	1	T	23:04	X	X																			
480-92332-10	1	T	23:04	X	X																			
480-92332-11	1	T	23:04	X	X																			
480-92332-12	1	T	23:04	X	X																			
480-92332-13	1	T	23:04	X	X																			
480-92332-14	1	T	23:04	X	X																			
480-92332-15	1	T	23:04	X	X																			
480-92332-16	1	T	23:04	X	X																			
480-92332-17	1	T	23:04	X	X																			
480-92332-17 MS	1	T	23:04	X	X																			
480-92332-17 MSD	1	T	23:04	X	X																			
480-92332-18	1	T	23:04	X	X																			
480-92332-19	1	T	23:04	X	X																			
480-92332-20	1	T	23:04	X	X																			
480-92332-21	1	T	23:04	X	X																			
480-92332-22	1	T	23:04	X	X																			
480-92332-23	1	T	23:04	X	X																			
480-92332-24	1	T	23:04	X	X																			
480-92332-25	1	T	23:04	X	X																			
480-92332-26	1	T	23:04	X	X																			
480-92332-27	1	T	23:17	X	X																			
480-92332-28	1	T	23:17	X	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/13/2015 23:04 End Date: 12/13/2015 23:17

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
480-92332-29	1	T	23:17	X	X																		
480-92332-30	1	T	23:17	X	X																		
480-92332-31	1	T	23:17	X	X																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279510 Batch Start Date: 12/13/15 23:04 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date: 12/14/15 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-92332-1	B7-AREA2-S1	Moisture	T	11	4.22 g	16.15 g	15.03 g		
480-92332-2	B10-AREA2-S1	Moisture	T	12	4.19 g	20.62 g	18.99 g		
480-92332-3	B10-AREA2-S2	Moisture	T	13	4.20 g	17.52 g	16.69 g		
480-92332-4	B10-AREA2-S3	Moisture	T	14	4.32 g	16.83 g	15.62 g		
480-92332-5	B11-AREA2-S1	Moisture	T	15	4.22 g	18.36 g	17.28 g		
480-92332-6	B12-AREA2-S1	Moisture	T	16	4.31 g	20.38 g	19.02 g		
480-92332-7	B12-AREA2-S2	Moisture	T	17	4.32 g	16.35 g	15.46 g		
480-92332-8	B12-AREA2-S3	Moisture	T	18	4.29 g	20.81 g	17.77 g		
480-92332-9	B13-AREA2-S1	Moisture	T	19	4.22 g	17.15 g	16.09 g		
480-92332-10	B13-AREA2-S2	Moisture	T	20	4.19 g	18.11 g	17.07 g		
480-92332-11	B-AREA2-DUP2	Moisture	T	21	4.29 g	19.44 g	18.58 g		
480-92332-12	B14-AREA2-S1	Moisture	T	22	4.22 g	22.06 g	20.85 g		
480-92332-13	B14-AREA2-S2	Moisture	T	23	4.29 g	14.75 g	12.76 g		
480-92332-14	B15-AREA2-S1	Moisture	T	24	4.29 g	16.86 g	16.05 g		
480-92332-15	B15-AREA2-S2	Moisture	T	25	4.22 g	15.82 g	14.97 g		
480-92332-16	B16-AREA2-S1	Moisture	T	26	4.28 g	15.81 g	14.92 g		
480-92332-17	B16-AREA2-S2	Moisture	T	27	4.31 g	17.06 g	14.19 g		
480-92332-17 MS	B16-AREA2-S2	Moisture	T	27	4.31 g	17.06 g	14.19 g		
480-92332-17 MSD	B16-AREA2-S2	Moisture	T	27	4.31 g	17.06 g	14.19 g		
480-92332-18	B17-AREA2-S1	Moisture	T	28	4.19 g	15.48 g	14.15 g		
480-92332-19	B17-AREA2-S2	Moisture	T	29	4.28 g	14.57 g	12.64 g		
480-92332-20	B27-AREA2-S1	Moisture	T	30	4.20 g	13.83 g	12.93 g		
480-92332-21	B27-AREA2-S2	Moisture	T	31	4.29 g	18.54 g	17.66 g		
480-92332-22	B28-AREA2-S1	Moisture	T	32	4.22 g	14.51 g	13.22 g		
480-92332-23	B28-AREA2-S2	Moisture	T	33	4.31 g	14.72 g	14.10 g		
480-92332-24	B29-AREA2-S1	Moisture	T	34	4.31 g	19.07 g	17.91 g		
480-92332-25	B29-AREA2-S2	Moisture	T	35	4.29 g	16.87 g	14.58 g		
480-92332-26	B30-AREA2-S1	Moisture	T	36	4.29 g	16.01 g	15.07 g		
480-92332-27	B30-AREA2-S2	Moisture	T	37	4.32 g	18.27 g	17.28 g		
480-92332-28	B31-AREA2-S1	Moisture	T	38	4.32 g	17.11 g	15.88 g		

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92332-1

SDG No.:

Batch Number: 279510 Batch Start Date: 12/13/15 23:04 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date: 12/14/15 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-92332-29	B31-AREA2-S2	Moisture	T	39	4.31 g	13.94 g	11.86 g		
480-92332-30	B35-AREA2-S1	Moisture	T	40	4.30 g	19.09 g	18.09 g		
480-92332-31	B35-AREA2-S2	Moisture	T	41	4.23 g	16.21 g	15.43 g		

Batch Notes	
Balance ID	B202613314 No Unit
Batch Comment	PP-FH-03-14
Date samples were placed in the oven	12/13/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	23:45
Date samples were removed from oven	12/14/15
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	13:55
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.1
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page ~~1 of 3~~ LB 1 of 3
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): 10			
State, Zip: NY, 14614				
Phone:	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

480-92332 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
B7 - AREA2 - S1	12/7/15	1420	G	Solid				X			
B10 - AREA2 - S1	12/7/15	1335		Solid				X			
B10 - AREA2 - S2	12/7/15	1330		Solid				X			
B10 - AREA2 - S3	12/7/15	1355		Solid				X			
B11 - AREA2 - S1	12/7/15	1305		Solid				X			
B12 - AREA2 - S1	12/7/15	0945		Solid				X			
B12 - AREA2 - S2	12/7/15	0905		Solid				X			
B12 - AREA2 - S3	12/7/15	0915		Solid				X			
B13 - AREA2 - S1	12/7/15	0940		Solid				X			
B13 - AREA2 - S2	12/7/15	0955		Solid				X			
B-AREA2-DUP2	12/7/15	1000	↓	Solid				X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV) Other (specify) Category B + NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Laura Best	12/8/15 1630	Stantec	Bryan Hewitt	12/8/15 1630	Stantec
2	~~Relinquished by:~~ Bryan Hewitt	12/8/15 1750	Stantec	[illegible] FED EX	12/8/15 1750	SYR
3	[illegible] FED EX	12/8/15 1900	SYR	[illegible]	12-9-15 0120	TAO

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	2.1 #1

483325 - Syracuse SC

Page 138 of 141

2/8/2015

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-74088-18830.2
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: ~~Page 2 of 3~~ Page 2 of 3
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): 10			
State, Zip: NY, 14614				
Phone:	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
B14-AREA2-S1	12/7/15	1055	G	Solid				X		1	
B14-AREA2-S2	12/7/15	1105		Solid				X		1	
B15-AREA2-S1	12/7/15	1015		Solid				X		1	
B15-AREA2-S2	12/7/15	1030		Solid				X		1	
B16-AREA2-S1	12/7/15	1130		Solid				X		1	
B16-AREA2-S2	12/7/15	1140		Solid		Y		X		1	MS/MSD
B17-AREA2-S1	12/8/15	1310		Solid				X		1	
B17-AREA2-S2	12/8/15	1320		Solid				X		1	
B27-AREA2-S1	12/8/15	1510		Solid				X		1	
B27-AREA2-S2	12/8/15	1515		Solid				X		1	
B28-AREA2-S1	12/8/15	1055		Solid				X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV), Other (specify) Category B + NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Laura Best	12/8/15 1630	Stantec	Evelyn Hewett	12/8/15 1630	Stantec
2	Evelyn Hewett	12/8/15 1750	Stantec		12/8/15 1750	SYR
3		12/8/15 1900	SYR		12-9-15 0120	TAB

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.1 #1

Page 1439 of 1441

12/9/2015

480-74088 - Syracuse SC

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

483325 - Syracuse SC

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Stantec	Bob Mahaney	12/8/15	292104
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 3**
61 Commercial St., Ste160	(585) 413-5301		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Rochester / NY / 14614	L. Best	Ryan VanDette	
Project Name and Location (State)	**Carrier/Waybill Number**		
LMC Utica			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOCs (8260)	Special Instructions/ Conditions of Receipt
B28-AREA2-S2	12/8/15	1050				X	X1						X	
B29-AREA2-S1		1025				X	1						X	
B29-AREA2-S2		1030				X	1						X	
B30-AREA2-S1		1540				X	1						X	
B30-AREA2-S2		1600				X	1						X	
B31-AREA2-S1		0915				X	1						X	
B31-AREA2-S2		0935				X	1						X	
B35-AREA2-S1		0950				X	1						X	
B35-AREA2-S2		1000				X	1						X	
SB-RINSEBLANK2		1430		X						3			X	
		AP 12/9/15												

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10d

QC Requirements (Specify)

Cat. B to NYSDEC EQUIS EDD

	Relinquished By	Date	Time	Received By	Date	Time
1.	Dana Best Stantec	12/8/15	1630	Benjin Hoover Stantec	12/8/15	1630
2.	Benjin Hoover Stantec	12/8/15	1750	SVR	12/8/15	1750
3.	SVR	12/8/15	1900	TAS 12-9-15 0720		

Comments

2.1 °/

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Page 1 of 2

12/30/2015

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-92332-1
SDG Number:

Login Number: 92332
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-92542-1

Job Description: Lockheed Martin Corporation - Soils

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Anne Pridgeon
Project Management Assistant I
12/29/2015 12:57 PM

Designee for
Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
12/29/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Manual Integration Summary 5
- Sample Summary 14
- Executive Summary 15
- Method Summary 17
- Method / Analyst Summary 18
- Sample Datasheets 19
- Surrogate Summary 46
- QC Data Summary 48
- Data Qualifiers 56
- QC Association Summary 57
- Lab Chronicle 59
- Certification Summary 62

Organic Sample Data 63

- GC/MS VOA 63
  - Method 8260C 63
    - Method 8260C QC Summary 64
    - Method 8260C Sample Data 90
    - Standards Data 149
      - Method 8260C ICAL Data 149
      - Method 8260C CCAL Data 304
    - Raw QC Data 349
      - Method 8260C Tune Data 349
      - Method 8260C Blank Data 373

Table of Contents

Method 8260C LCS/LCSD Data 395

Method 8260C MS/MSD Data 416

Method 8260C Run Logs 426

Method 8260C Prep Data 434

Inorganic Sample Data 438

General Chemistry Data 438

Gen Chem Cover Page 439

Gen Chem MDL 440

Gen Chem Analysis Run Log 442

Gen Chem Prep Data 443

Shipping and Receiving Documents 444

Client Chain of Custody 445

Sample Receipt Checklist 446

Job Narrative
480-92542-1

Comments
No additional comments.

Receipt
The samples were received on 12/11/2015 1:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.5º C.

GC/MS VOA
Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B1-AREA2-S1 (480-92542-1) and B2-AREA2-S1 (480-92542-2).

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-279767 and analytical batch 480-279770 recovered outside control limits for the following analyte: 2-Butanone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. B1-AREA2-S1 (480-92542-1) and B2-AREA2-S1 (480-92542-2)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279993 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: B5-AREA2-S1 (480-92542-3), B32-AREA2-S1 (480-92542-4), B32-AREA2-S2 (480-92542-5), B33-AREA2-S2 (480-92542-7), B34-AREA2-S1 (480-92542-8) and B-AREA2-DUP3 (480-92542-9).

Method(s) 8260C: The method blank for preparation batch 480-279982 and analytical batch 480-279993 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. B5-AREA2-S1 (480-92542-3), B32-AREA2-S1 (480-92542-4), B32-AREA2-S2 (480-92542-5), B33-AREA2-S2 (480-92542-7), B34-AREA2-S1 (480-92542-8) and B-AREA2-DUP3 (480-92542-9)

Method(s) 8260C: Internal standard (ISTD) response for the following samples were outside control limits: B5-AREA2-S1 (480-92542-3), B32-AREA2-S1 (480-92542-4), B32-AREA2-S2 (480-92542-5), B32-AREA2-S2 (480-92542-5[MS]), B33-AREA2-S2 (480-92542-7), B34-AREA2-S1 (480-92542-8) and B-AREA2-DUP3 (480-92542-9). The samples were re-analyzed with concurring results, and the second set of data has been reported.

Method(s) 8260C: Surrogate recovery for the following samples were outside control limits: B5-AREA2-S1 (480-92542-3), B32-AREA2-S1 (480-92542-4), B32-AREA2-S2 (480-92542-5), B32-AREA2-S2 (480-92542-5[MS]), B33-AREA2-S2 (480-92542-7), B34-AREA2-S1 (480-92542-8) and B-AREA2-DUP3 (480-92542-9). Re-analysis was performed with concurring results. The second analysis has been reported.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B5-AREA2-S1 (480-92542-3), B32-AREA2-S1 (480-92542-4), B32-AREA2-S2 (480-92542-5), B32-AREA2-S2 (480-92542-5[MS]), B32-AREA2-S2 (480-92542-5[MSD]), B33-AREA2-S2 (480-92542-7), B34-AREA2-S1 (480-92542-8) and B-AREA2-DUP3 (480-92542-9).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-281000 recovered outside acceptance criteria, low biased, for Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: B33-AREA2-S1 (480-92542-6)

Method(s) 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: B33-AREA2-S1 (480-92542-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 279331

Lab Sample ID: IC 480-279331/4 Client Sample ID:

Date Analyzed: 12/11/15 14:15 Lab File ID: C59581.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	7.18	Poor chromatography	goliszekg	12/14/15 07:23
2-Hexanone	11.07	Poor chromatography	goliszekg	12/14/15 07:24

Lab Sample ID: IC 480-279331/5 Client Sample ID:

Date Analyzed: 12/11/15 14:41 Lab File ID: C59582.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	7.59	Poor chromatography	goliszekg	12/14/15 07:25
2-Hexanone	11.07	Poor chromatography	goliszekg	12/14/15 07:24

Lab Sample ID: IC 480-279331/6 Client Sample ID:

Date Analyzed: 12/11/15 15:07 Lab File ID: C59583.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	7.59	Poor chromatography	goliszekg	12/14/15 07:26
Tetrahydrofuran	8.71	Poor chromatography	goliszekg	12/14/15 07:26
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:26
2-Hexanone	11.05	Poor chromatography	goliszekg	12/14/15 07:26

Lab Sample ID: IC 480-279331/7 Client Sample ID:

Date Analyzed: 12/11/15 15:58 Lab File ID: C59584.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrahydrofuran	8.71	Poor chromatography	goliszekg	12/14/15 07:27
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 279331

Lab Sample ID: IC 480-279331/8 Client Sample ID:

Date Analyzed: 12/11/15 16:23 Lab File ID: C59585.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 281182

Lab Sample ID: LCS 480-280904/1-A Client Sample ID:

Date Analyzed: 12/22/15 23:51 Lab File ID: C60020.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	8.43	Poor chromatography	o''briens	12/23/15 00:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 278716

Lab Sample ID: IC 480-278716/4 Client Sample ID:

Date Analyzed: 12/08/15 16:29 Lab File ID: F2996.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	4.49	Other	cwiklinc	12/15/15 12:54
Isobutyl alcohol	5.07	Other	cwiklinc	12/15/15 13:14

Lab Sample ID: IC 480-278716/5 Client Sample ID:

Date Analyzed: 12/08/15 16:55 Lab File ID: F2997.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	4.48	Other	cwiklinc	12/15/15 12:54
Tetrahydrofuran	4.71	Peak Tail	diasn	12/10/15 18:01
Isobutyl alcohol	5.05	Other	cwiklinc	12/15/15 13:14

Lab Sample ID: IC 480-278716/6 Client Sample ID:

Date Analyzed: 12/08/15 17:21 Lab File ID: F2998.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	4.48	Other	cwiklinc	12/15/15 12:54

Lab Sample ID: ICIS 480-278716/8 Client Sample ID:

Date Analyzed: 12/08/15 18:13 Lab File ID: F3000.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.05	Other	cwiklinc	12/15/15 13:15

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 278716

Lab Sample ID: IC 480-278716/9 Client Sample ID:

Date Analyzed: 12/08/15 18:38 Lab File ID: F3001.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	4.03	Assign Peak	diasn	12/10/15 18:05
2-Butanone (MEK)	4.47	Other	cwiklinc	12/15/15 12:55
Isobutyl alcohol	5.05	Other	cwiklinc	12/15/15 13:16

Lab Sample ID: IC 480-278716/10 Client Sample ID:

Date Analyzed: 12/08/15 19:04 Lab File ID: F3002.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.04	Other	cwiklinc	12/15/15 13:16

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 279770

Lab Sample ID: CCVIS 480-279770/2 Client Sample ID:

Date Analyzed: 12/15/15 09:46 Lab File ID: F3149.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.05	Other	cwiklinc	12/15/15 14:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 279993

Lab Sample ID: CCVIS 480-279993/3 Client Sample ID:

Date Analyzed: 12/16/15 09:14 Lab File ID: F3197.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.05	Other	cwiklinc	12/16/15 09:37

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/7 Client Sample ID:

Date Analyzed: 12/07/15 14:38 Lab File ID: S5796.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	2.65	Poor chromatography	HillL	12/07/15 18:41
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:41
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:38

Lab Sample ID: IC 480-278464/8 Client Sample ID:

Date Analyzed: 12/07/15 15:01 Lab File ID: S5797.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:42

Lab Sample ID: ICIS 480-278464/9 Client Sample ID:

Date Analyzed: 12/07/15 15:24 Lab File ID: S5798.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.13	Poor chromatography	o''briens	12/07/15 18:22
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:44
1,4-Dioxane	6.12	Split Peak	HillL	12/07/15 18:44

Lab Sample ID: IC 480-278464/10 Client Sample ID:

Date Analyzed: 12/07/15 15:47 Lab File ID: S5799.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/11 Client Sample ID:

Date Analyzed: 12/07/15 16:09 Lab File ID: S5800.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:46

Lab Sample ID: IC 480-278464/13 Client Sample ID:

Date Analyzed: 12/07/15 16:55 Lab File ID: S5802.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	1.51	Poor chromatography	HillL	12/07/15 18:27
Bromomethane	1.82	Poor chromatography	HillL	12/07/15 18:27
Dichlorofluoromethane	2.13	Poor chromatography	HillL	12/07/15 18:27
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:27
Iodomethane	2.81	Poor chromatography	HillL	12/07/15 18:27
1,4-Dioxane	6.13	Poor chromatography	HillL	12/07/15 18:27

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-92542-1	B1-AREA2-S1	Solid	12/10/2015 1105	12/11/2015 0120
480-92542-2	B2-AREA2-S1	Solid	12/10/2015 0920	12/11/2015 0120
480-92542-3	B5-AREA2-S1	Solid	12/10/2015 1040	12/11/2015 0120
480-92542-4	B32-AREA2-S1	Solid	12/10/2015 1125	12/11/2015 0120
480-92542-5	B32-AREA2-S2	Solid	12/10/2015 1130	12/11/2015 0120
480-92542-5MS	B32-AREA2-S2	Solid	12/10/2015 1130	12/11/2015 0120
480-92542-5MSD	B32-AREA2-S2	Solid	12/10/2015 1130	12/11/2015 0120
480-92542-6	B33-AREA2-S1	Solid	12/10/2015 1150	12/11/2015 0120
480-92542-7	B33-AREA2-S2	Solid	12/10/2015 1155	12/11/2015 0120
480-92542-8	B34-AREA2-S1	Solid	12/10/2015 0850	12/11/2015 0120
480-92542-9	B-AREA2-DUP3	Solid	12/10/2015 1110	12/11/2015 0120

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92542-1	**B1-AREA2-S1**					
1,1-Dichloroethane		0.75	J	5.3	ug/Kg	8260C
Percent Moisture		8.1		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92542-2	**B2-AREA2-S1**					
Acetone		14	J	29	ug/Kg	8260C
cis-1,2-Dichloroethene		8.9		5.8	ug/Kg	8260C
Tetrachloroethene		7.7		5.8	ug/Kg	8260C
Toluene		1.1	J	5.8	ug/Kg	8260C
Trichloroethene		2.5	J	5.8	ug/Kg	8260C
Percent Moisture		15		0.10	%	Moisture
Percent Solids		85		0.10	%	Moisture
480-92542-3	**B5-AREA2-S1**					
Percent Moisture		6.8		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92542-4	**B32-AREA2-S1**					
Percent Moisture		6.0		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture
480-92542-5	**B32-AREA2-S2**					
Methylene Chloride		2.9	J F2	5.3	ug/Kg	8260C
Percent Moisture		7.7		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92542-6	**B33-AREA2-S1**					
1,1-Dichloroethane		6000		110	ug/Kg	8260C
cis-1,2-Dichloroethene		1700		110	ug/Kg	8260C
Trichloroethene		570		110	ug/Kg	8260C
Percent Moisture		6.8		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92542-7	**B33-AREA2-S2**					
Percent Moisture		6.6		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92542-8	**B34-AREA2-S1**					
Percent Moisture		5.1		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
480-92542-9	**B-AREA2-DUP3**					
1,1-Dichloroethane		4.1	J	5.2	ug/Kg	8260C
cis-1,2-Dichloroethene		2.4	J	5.2	ug/Kg	8260C
Methylene Chloride		2.8	J	5.2	ug/Kg	8260C
Trichloroethene		2.7	J	5.2	ug/Kg	8260C
Percent Moisture		7.0		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

METHOD SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035A
Percent Moisture	TAL BUF	EPA Moisture	

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Method	Analyst	Analyst ID
SW846 8260C	Dias, Nicole M	NMD1
SW846 8260C	Goliszek, Gregory T	GTG
EPA Moisture	Cwiklinski, Charles D	CDC

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B1-AREA2-S1**

Lab Sample ID: 480-92542-1 | Date Sampled: 12/10/2015 1105
Client Matrix: Solid | % Moisture: 8.1 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279770	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279767	Lab File ID:	F3164.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/15/2015 1644			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 0908				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.3
1,1,2,2-Tetrachloroethane		ND		0.86	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1-Dichloroethane		0.75	J	0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND		0.32	5.3
1,2-Dibromo-3-Chloropropane		ND		2.7	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND		0.41	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.7	5.3
1,3-Dichlorobenzene		ND		0.27	5.3
1,4-Dichlorobenzene		ND		0.74	5.3
2-Butanone (MEK)		ND	*	1.9	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.7	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.7	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.7	5.3
Carbon tetrachloride		ND		0.51	5.3
Chlorobenzene		ND		0.70	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		ND		0.68	5.3
cis-1,3-Dichloropropene		ND		0.76	5.3
Cyclohexane		ND		0.74	5.3
Dibromochloromethane		ND		0.68	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.37	5.3
Isopropylbenzene		ND		0.80	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.4	5.3
Styrene		ND		0.27	5.3
Tetrachloroethene		ND		0.71	5.3
Toluene		ND		0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		ND		1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B1-AREA2-S1**

Lab Sample ID: 480-92542-1 | Date Sampled: 12/10/2015 1105
Client Matrix: Solid | % Moisture: 8.1 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279770	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279767	Lab File ID:	F3164.D
Dilution:	1.0			Initial Weight/Volume:	5.13 g
Analysis Date:	12/15/2015 1644			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 0908				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		ND		0.89	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	87		72 - 126
Toluene-d8 (Surr)	99		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B2-AREA2-S1**

Lab Sample ID: 480-92542-2 | Date Sampled: 12/10/2015 0920
Client Matrix: Solid | % Moisture: 15.3 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279770	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279767	Lab File ID:	F3165.D
Dilution:	1.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/15/2015 1709			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 0908				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.42	5.8
1,1,2,2-Tetrachloroethane		ND		0.95	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.8
1,1,2-Trichloroethane		ND		0.76	5.8
1,1-Dichloroethane		ND		0.71	5.8
1,1-Dichloroethene		ND		0.72	5.8
1,2,4-Trichlorobenzene		ND		0.36	5.8
1,2-Dibromo-3-Chloropropane		ND		2.9	5.8
1,2-Dibromoethane		ND		0.75	5.8
1,2-Dichlorobenzene		ND		0.46	5.8
1,2-Dichloroethane		ND		0.29	5.8
1,2-Dichloropropane		ND		2.9	5.8
1,3-Dichlorobenzene		ND		0.30	5.8
1,4-Dichlorobenzene		ND		0.82	5.8
2-Butanone (MEK)		ND	*	2.1	29
2-Hexanone		ND		2.9	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		14	J	4.9	29
Benzene		ND		0.29	5.8
Bromodichloromethane		ND		0.78	5.8
Bromoform		ND		2.9	5.8
Bromomethane		ND		0.53	5.8
Carbon disulfide		ND		2.9	5.8
Carbon tetrachloride		ND		0.57	5.8
Chlorobenzene		ND		0.77	5.8
Chloroethane		ND		1.3	5.8
Chloroform		ND		0.36	5.8
Chloromethane		ND		0.35	5.8
cis-1,2-Dichloroethene		8.9		0.75	5.8
cis-1,3-Dichloropropene		ND		0.84	5.8
Cyclohexane		ND		0.82	5.8
Dibromochloromethane		ND		0.75	5.8
Dichlorodifluoromethane		ND		0.48	5.8
Ethylbenzene		ND		0.40	5.8
Isopropylbenzene		ND		0.88	5.8
Methyl acetate		ND		3.5	5.8
Methyl tert-butyl ether		ND		0.57	5.8
Methylcyclohexane		ND		0.89	5.8
Methylene Chloride		ND		2.7	5.8
Styrene		ND		0.29	5.8
Tetrachloroethene		7.7		0.78	5.8
Toluene		1.1	J	0.44	5.8
trans-1,2-Dichloroethene		ND		0.60	5.8
trans-1,3-Dichloropropene		ND		2.6	5.8
Trichloroethene		2.5	J	1.3	5.8
Trichlorofluoromethane		ND		0.55	5.8

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B2-AREA2-S1**

Lab Sample ID: 480-92542-2 | Date Sampled: 12/10/2015 0920
Client Matrix: Solid | % Moisture: 15.3 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279770	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279767	Lab File ID:	F3165.D
Dilution:	1.0			Initial Weight/Volume:	5.05 g
Analysis Date:	12/15/2015 1709			Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 0908				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.71	5.8
Xylenes, Total		ND		0.98	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	93		72 - 126
Toluene-d8 (Surr)	99		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B5-AREA2-S1**

Lab Sample ID: 480-92542-3 | Date Sampled: 12/10/2015 1040
Client Matrix: Solid | % Moisture: 6.8 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3204.D
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Analysis Date:	12/16/2015 1237			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND	*	0.85	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND	*	0.68	5.2
1,1-Dichloroethane		ND		0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND	*	0.32	5.2
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.2
1,2-Dibromoethane		ND	*	0.67	5.2
1,2-Dichlorobenzene		ND	*	0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND	*	0.27	5.2
1,4-Dichlorobenzene		ND	*	0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND	*	2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.51	5.2
Chlorobenzene		ND	*	0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.32	5.2
cis-1,2-Dichloroethene		ND		0.67	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND	*	0.67	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND	*	0.36	5.2
Isopropylbenzene		ND	*	0.79	5.2
Methyl acetate		ND		3.2	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.80	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND	*	0.26	5.2
Tetrachloroethene		ND	*	0.70	5.2
Toluene		ND	*	0.40	5.2
trans-1,2-Dichloroethene		ND		0.54	5.2
trans-1,3-Dichloropropene		ND	*	2.3	5.2
Trichloroethene		ND		1.2	5.2
Trichlorofluoromethane		ND		0.50	5.2

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B5-AREA2-S1**

Lab Sample ID: 480-92542-3 | Date Sampled: 12/10/2015 1040
Client Matrix: Solid | % Moisture: 6.8 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3204.D
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Analysis Date:	12/16/2015 1237			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		ND		0.88	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	43	X *	72 - 126
Toluene-d8 (Surr)	118	*	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B32-AREA2-S1**

Lab Sample ID: 480-92542-4 | Date Sampled: 12/10/2015 1125
Client Matrix: Solid | % Moisture: 6.0 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3205.D
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Analysis Date:	12/16/2015 1303			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND	*	0.84	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND	*	0.68	5.2
1,1-Dichloroethane		ND		0.63	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND	*	0.32	5.2
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.2
1,2-Dibromoethane		ND	*	0.67	5.2
1,2-Dichlorobenzene		ND	*	0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND	*	0.27	5.2
1,4-Dichlorobenzene		ND	*	0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.25	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND	*	2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.50	5.2
Chlorobenzene		ND	*	0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.31	5.2
cis-1,2-Dichloroethene		ND		0.66	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND	*	0.66	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND	*	0.36	5.2
Isopropylbenzene		ND	*	0.78	5.2
Methyl acetate		ND		3.1	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.79	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND	*	0.26	5.2
Tetrachloroethene		ND	*	0.70	5.2
Toluene		ND	*	0.39	5.2
trans-1,2-Dichloroethene		ND		0.54	5.2
trans-1,3-Dichloropropene		ND	*	2.3	5.2
Trichloroethene		ND		1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

Client Sample ID: B32-AREA2-S1

Lab Sample ID: 480-92542-4 Date Sampled: 12/10/2015 1125
Client Matrix: Solid % Moisture: 6.0 Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3205.D
Dilution:	1.0			Initial Weight/Volume:	5.12 g
Analysis Date:	12/16/2015 1303			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.63	5.2
Xylenes, Total		ND		0.87	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	45	X *	72 - 126
Toluene-d8 (Surr)	122	*	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B32-AREA2-S2**

Lab Sample ID: 480-92542-5 | Date Sampled: 12/10/2015 1130
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3206.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/16/2015 1329			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND	F2 F1	0.39	5.3
1,1,2,2-Tetrachloroethane		ND	F2 F1 *	0.87	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	F2	1.2	5.3
1,1,2-Trichloroethane		ND	F2 F1 *	0.69	5.3
1,1-Dichloroethane		ND	F2 F1	0.65	5.3
1,1-Dichloroethene		ND	F2	0.65	5.3
1,2,4-Trichlorobenzene		ND	F2 F1 *	0.32	5.3
1,2-Dibromo-3-Chloropropane		ND	F1 *	2.7	5.3
1,2-Dibromoethane		ND	F1 *	0.69	5.3
1,2-Dichlorobenzene		ND	F1 *	0.42	5.3
1,2-Dichloroethane		ND	F1	0.27	5.3
1,2-Dichloropropane		ND	F1	2.7	5.3
1,3-Dichlorobenzene		ND	F1 *	0.27	5.3
1,4-Dichlorobenzene		ND	F1 *	0.75	5.3
2-Butanone (MEK)		ND	F1	2.0	27
2-Hexanone		ND	F1 *	2.7	27
4-Methyl-2-pentanone (MIBK)		ND	F2 F1 *	1.8	27
Acetone		ND		4.5	27
Benzene		ND	F1	0.26	5.3
Bromodichloromethane		ND	F1	0.72	5.3
Bromoform		ND	F1 *	2.7	5.3
Bromomethane		ND	F2	0.48	5.3
Carbon disulfide		ND	F2 F1	2.7	5.3
Carbon tetrachloride		ND	F1	0.52	5.3
Chlorobenzene		ND	F1 *	0.71	5.3
Chloroethane		ND	F2 F1	1.2	5.3
Chloroform		ND	F1	0.33	5.3
Chloromethane		ND	F2	0.32	5.3
cis-1,2-Dichloroethene		ND	F1	0.68	5.3
cis-1,3-Dichloropropene		ND	F1	0.77	5.3
Cyclohexane		ND	F1	0.75	5.3
Dibromochloromethane		ND	F2 F1 *	0.68	5.3
Dichlorodifluoromethane		ND	F2	0.44	5.3
Ethylbenzene		ND	F1 *	0.37	5.3
Isopropylbenzene		ND	F2 F1 *	0.81	5.3
Methyl acetate		ND		3.2	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND	F1	0.81	5.3
Methylene Chloride		2.9	J F2	2.5	5.3
Styrene		ND	F2 F1 *	0.27	5.3
Tetrachloroethene		ND	F2 F1 *	0.72	5.3
Toluene		ND	F2 F1 *	0.40	5.3
trans-1,2-Dichloroethene		ND	F2 F1	0.55	5.3
trans-1,3-Dichloropropene		ND	F1 *	2.4	5.3
Trichloroethene		ND	F1	1.2	5.3
Trichlorofluoromethane		ND	F2	0.51	5.3

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B32-AREA2-S2**

Lab Sample ID: 480-92542-5 | Date Sampled: 12/10/2015 1130
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3206.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/16/2015 1329			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND	F2	0.65	5.3
Xylenes, Total		ND	F1	0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	34	X *	72 - 126
Toluene-d8 (Surr)	121	*	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B33-AREA2-S1**

Lab Sample ID: 480-92542-6 | Date Sampled: 12/10/2015 1150
Client Matrix: Solid | % Moisture: 6.8 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6471.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/22/2015 1753			Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		30	110
1,1,2,2-Tetrachloroethane		ND		18	110
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		55	110
1,1,2-Trichloroethane		ND		23	110
1,1-Dichloroethane		6000		34	110
1,1-Dichloroethene		ND		38	110
1,2,4-Trichlorobenzene		ND		41	110
1,2-Dibromo-3-Chloropropane		ND		55	110
1,2-Dibromoethane		ND		19	110
1,2-Dichlorobenzene		ND		28	110
1,2-Dichloroethane		ND		45	110
1,2-Dichloropropane		ND		18	110
1,3-Dichlorobenzene		ND		29	110
1,4-Dichlorobenzene		ND		15	110
2-Butanone (MEK)		ND		330	550
2-Hexanone		ND		220	550
4-Methyl-2-pentanone (MIBK)		ND		35	550
Acetone		ND		450	550
Benzene		ND		21	110
Bromodichloromethane		ND		22	110
Bromoform		ND		55	110
Bromomethane		ND		24	110
Carbon disulfide		ND		50	110
Carbon tetrachloride		ND		28	110
Chlorobenzene		ND		14	110
Chloroethane		ND		23	110
Chloroform		ND		75	110
Chloromethane		ND		26	110
cis-1,2-Dichloroethene		1700		30	110
cis-1,3-Dichloropropene		ND		26	110
Cyclohexane		ND		24	110
Dibromochloromethane		ND		53	110
Dichlorodifluoromethane		ND		48	110
Ethylbenzene		ND		32	110
Isopropylbenzene		ND		16	110
Methyl acetate		ND		52	110
Methyl tert-butyl ether		ND		41	110
Methylcyclohexane		ND		51	110
Methylene Chloride		ND		22	110
Styrene		ND		26	110
Tetrachloroethene		ND		15	110
Toluene		ND		29	110
trans-1,2-Dichloroethene		ND		26	110
trans-1,3-Dichloropropene		ND		11	110
Trichloroethene		570		30	110
Trichlorofluoromethane		ND		51	110

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B33-AREA2-S1**

Lab Sample ID: 480-92542-6 | Date Sampled: 12/10/2015 1150
Client Matrix: Solid | % Moisture: 6.8 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6471.D
Dilution:	1.0			Initial Weight/Volume:	5.07 g
Analysis Date:	12/22/2015 1753			Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		37	110
Xylenes, Total		ND		61	220

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		53 - 146
4-Bromofluorobenzene (Surr)	90		49 - 148
Toluene-d8 (Surr)	98		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B33-AREA2-S2**

Lab Sample ID: 480-92542-7 | Date Sampled: 12/10/2015 1155
Client Matrix: Solid | % Moisture: 6.6 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3207.D
Dilution:	1.0			Initial Weight/Volume:	5.19 g
Analysis Date:	12/16/2015 1355			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.37	5.2
1,1,2,2-Tetrachloroethane		ND	*	0.84	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND	*	0.67	5.2
1,1-Dichloroethane		ND		0.63	5.2
1,1-Dichloroethene		ND		0.63	5.2
1,2,4-Trichlorobenzene		ND	*	0.31	5.2
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.2
1,2-Dibromoethane		ND	*	0.66	5.2
1,2-Dichlorobenzene		ND	*	0.40	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND	*	0.27	5.2
1,4-Dichlorobenzene		ND	*	0.72	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		ND		4.3	26
Benzene		ND		0.25	5.2
Bromodichloromethane		ND		0.69	5.2
Bromoform		ND	*	2.6	5.2
Bromomethane		ND		0.46	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.50	5.2
Chlorobenzene		ND	*	0.68	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.31	5.2
cis-1,2-Dichloroethene		ND		0.66	5.2
cis-1,3-Dichloropropene		ND		0.74	5.2
Cyclohexane		ND		0.72	5.2
Dibromochloromethane		ND	*	0.66	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND	*	0.36	5.2
Isopropylbenzene		ND	*	0.78	5.2
Methyl acetate		ND		3.1	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.78	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND	*	0.26	5.2
Tetrachloroethene		ND	*	0.69	5.2
Toluene		ND	*	0.39	5.2
trans-1,2-Dichloroethene		ND		0.53	5.2
trans-1,3-Dichloropropene		ND	*	2.3	5.2
Trichloroethene		ND		1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B33-AREA2-S2**

Lab Sample ID: 480-92542-7 | Date Sampled: 12/10/2015 1155
Client Matrix: Solid | % Moisture: 6.6 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3207.D
Dilution:	1.0			Initial Weight/Volume:	5.19 g
Analysis Date:	12/16/2015 1355			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.63	5.2
Xylenes, Total		ND		0.87	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	37	X *	72 - 126
Toluene-d8 (Surr)	113	*	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B34-AREA2-S1**

Lab Sample ID: 480-92542-8 | Date Sampled: 12/10/2015 0850
Client Matrix: Solid | % Moisture: 5.1 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3208.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/16/2015 1420			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND	*	0.85	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND	*	0.68	5.2
1,1-Dichloroethane		ND		0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND	*	0.32	5.2
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.2
1,2-Dibromoethane		ND	*	0.67	5.2
1,2-Dichlorobenzene		ND	*	0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND	*	0.27	5.2
1,4-Dichlorobenzene		ND	*	0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND	*	2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.51	5.2
Chlorobenzene		ND	*	0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.32	5.2
cis-1,2-Dichloroethene		ND		0.67	5.2
cis-1,3-Dichloropropene		ND		0.76	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND	*	0.67	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND	*	0.36	5.2
Isopropylbenzene		ND	*	0.79	5.2
Methyl acetate		ND		3.2	5.2
Methyl tert-butyl ether		ND		0.52	5.2
Methylcyclohexane		ND		0.80	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND	*	0.26	5.2
Tetrachloroethene		ND	*	0.70	5.2
Toluene		ND	*	0.40	5.2
trans-1,2-Dichloroethene		ND		0.54	5.2
trans-1,3-Dichloropropene		ND	*	2.3	5.2
Trichloroethene		ND		1.2	5.2
Trichlorofluoromethane		ND		0.50	5.2

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B34-AREA2-S1**

Lab Sample ID: 480-92542-8 | Date Sampled: 12/10/2015 0850
Client Matrix: Solid | % Moisture: 5.1 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3208.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/16/2015 1420			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		ND		0.88	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	39	X *	72 - 126
Toluene-d8 (Surr)	121	*	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B-AREA2-DUP3**

Lab Sample ID: 480-92542-9 | Date Sampled: 12/10/2015 1110
Client Matrix: Solid | % Moisture: 7.0 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3209.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/16/2015 1446			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND	*	0.84	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND	*	0.68	5.2
1,1-Dichloroethane		4.1	J	0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND	*	0.32	5.2
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.2
1,2-Dibromoethane		ND	*	0.67	5.2
1,2-Dichlorobenzene		ND	*	0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND	*	0.27	5.2
1,4-Dichlorobenzene		ND	*	0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND	*	2.6	26
4-Methyl-2-pentanone (MIBK)		ND	*	1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND	*	2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.50	5.2
Chlorobenzene		ND	*	0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.31	5.2
cis-1,2-Dichloroethene		2.4	J	0.67	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND	*	0.67	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND	*	0.36	5.2
Isopropylbenzene		ND	*	0.79	5.2
Methyl acetate		ND		3.1	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.79	5.2
Methylene Chloride		2.8	J	2.4	5.2
Styrene		ND	*	0.26	5.2
Tetrachloroethene		ND	*	0.70	5.2
Toluene		ND	*	0.39	5.2
trans-1,2-Dichloroethene		ND		0.54	5.2
trans-1,3-Dichloropropene		ND	*	2.3	5.2
Trichloroethene		2.7	J	1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Client: Stantec Consulting Services Inc | Job Number: 480-92542-1

Client Sample ID: **B-AREA2-DUP3**

Lab Sample ID: 480-92542-9 | Date Sampled: 12/10/2015 1110
Client Matrix: Solid | % Moisture: 7.0 | Date Received: 12/11/2015 0120

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-279982	Lab File ID:	F3209.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/16/2015 1446			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		ND		0.88	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
4-Bromofluorobenzene (Surr)	41	X *	72 - 126
Toluene-d8 (Surr)	116	*	71 - 125

General Chemistry

Client Sample ID: **B1-AREA2-S1**

Lab Sample ID: 480-92542-1 Date Sampled: 12/10/2015 1105
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B2-AREA2-S1**

Lab Sample ID: 480-92542-2 Date Sampled: 12/10/2015 0920
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B5-AREA2-S1**

Lab Sample ID: 480-92542-3 Date Sampled: 12/10/2015 1040
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B32-AREA2-S1**

Lab Sample ID: 480-92542-4 Date Sampled: 12/10/2015 1125
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B32-AREA2-S2**

Lab Sample ID: 480-92542-5 Date Sampled: 12/10/2015 1130
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B33-AREA2-S1**

Lab Sample ID: 480-92542-6 Date Sampled: 12/10/2015 1150
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B33-AREA2-S2**

Lab Sample ID: 480-92542-7 Date Sampled: 12/10/2015 1155
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B34-AREA2-S1**

Lab Sample ID: 480-92542-8 Date Sampled: 12/10/2015 0850
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-AREA2-DUP3**

Lab Sample ID: 480-92542-9 Date Sampled: 12/10/2015 1110
Client Matrix: Solid Date Received: 12/11/2015 0120

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-279826	Analysis Date: 12/15/2015 1138						DryWt Corrected: N

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92542-1	B1-AREA2-S1	101	99	87
480-92542-2	B2-AREA2-S1	100	99	93
480-92542-3	B5-AREA2-S1	101	118*	43X *
480-92542-4	B32-AREA2-S1	102	122*	45X *
480-92542-5	B32-AREA2-S2	102	121*	34X *
480-92542-7	B33-AREA2-S2	101	113*	37X *
480-92542-8	B34-AREA2-S1	100	121*	39X *
480-92542-9	B-AREA2-DUP3	98	116*	41X *
MB 480-279767/2-A		98	96	99
MB 480-279982/2-A		100	96	96
LCS 480-279767/1-A		101	89	93
LCS 480-279982/1-A		109	102	105
480-92542-5 MS	B32-AREA2-S2 MS	94	129X *	36X *
480-92542-5 MSD	B32-AREA2-S2 MSD	95	97	94

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92542-6	B33-AREA2-S1	88	98	90
MB 480-280904/3-A		96	101	93
LCS 480-280904/1-A		93	99	105

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Method Blank - Batch: 480-279767

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279767/2-A	Analysis Batch:	480-279770	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279767	Lab File ID:	F3153.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/15/2015 1143	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 0908				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dibromochloromethane	ND		0.64	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Method Blank - Batch: 480-279767

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279767/2-A	Analysis Batch:	480-279770	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279767	Lab File ID:	F3153.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.03 g
Analysis Date:	12/15/2015 1143	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 0908				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.83	9.9

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	64 - 126
4-Bromofluorobenzene (Surr)	99	72 - 126
Toluene-d8 (Surr)	96	71 - 125

Lab Control Sample - Batch: 480-279767

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279767/1-A	Analysis Batch:	480-279770	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279767	Lab File ID:	F3155.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/15/2015 1248	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/15/2015 0908				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.6	50.2	101	73 - 126	
1,1-Dichloroethene	49.6	49.7	100	59 - 125	
1,2-Dichlorobenzene	49.6	47.7	96	75 - 120	
1,2-Dichloroethane	49.6	47.6	96	77 - 122	
Benzene	49.6	47.9	96	79 - 127	
Chlorobenzene	49.6	48.8	98	76 - 124	
cis-1,2-Dichloroethene	49.6	47.1	95	81 - 117	
Ethylbenzene	49.6	49.3	99	80 - 120	
Methyl tert-butyl ether	49.6	45.2	91	63 - 125	
Tetrachloroethene	49.6	52.6	106	74 - 122	
Toluene	49.6	47.1	95	74 - 128	
trans-1,2-Dichloroethene	49.6	48.3	97	78 - 126	
Trichloroethene	49.6	50.0	101	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	64 - 126
4-Bromofluorobenzene (Surr)	93	72 - 126
Toluene-d8 (Surr)	89	71 - 125

Method Blank - Batch: 480-279982

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279982/2-A	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279982	Lab File ID:	F3201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/16/2015 1110	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.80	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.64	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.25	5.0
1,4-Dichlorobenzene	ND		0.69	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	6.32	J	4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.66	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.65	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.63	5.0
cis-1,3-Dichloropropene	ND		0.71	5.0
Cyclohexane	ND		0.69	5.0
Dibromochloromethane	ND		0.63	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.75	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Method Blank - Batch: 480-279982

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-279982/2-A	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279982	Lab File ID:	F3201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/16/2015 1110	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.83	9.9

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	64 - 126
4-Bromofluorobenzene (Surr)	96	72 - 126
Toluene-d8 (Surr)	96	71 - 125

Lab Control Sample - Batch: 480-279982

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-279982/1-A	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279982	Lab File ID:	F3199.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	12/16/2015 1018	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	46.9	94	73 - 126	
1,1-Dichloroethene	50.0	46.6	93	59 - 125	
1,2-Dichlorobenzene	50.0	44.4	89	75 - 120	
1,2-Dichloroethane	50.0	48.8	98	77 - 122	
Benzene	50.0	46.0	92	79 - 127	
Chlorobenzene	50.0	44.0	88	76 - 124	
cis-1,2-Dichloroethene	50.0	46.5	93	81 - 117	
Ethylbenzene	50.0	43.6	87	80 - 120	
Methyl tert-butyl ether	50.0	49.6	99	63 - 125	
Tetrachloroethene	50.0	42.9	86	74 - 122	
Toluene	50.0	42.9	86	74 - 128	
trans-1,2-Dichloroethene	50.0	45.7	91	78 - 126	
Trichloroethene	50.0	45.1	90	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	64 - 126
4-Bromofluorobenzene (Surr)	105	72 - 126
Toluene-d8 (Surr)	102	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279982

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92542-5	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279982	Lab File ID:	F3218.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.15 g
Analysis Date:	12/16/2015 1842			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92542-5	Analysis Batch:	480-279993	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-279982	Lab File ID:	F3219.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.14 g
Analysis Date:	12/16/2015 1908			Final Weight/Volume:	5 mL
Prep Date:	12/16/2015 0816				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	96	69	73 - 126	32	30		F1 F2
1,1-Dichloroethene	93	64	59 - 125	37	30		F2
1,2-Dichlorobenzene	30	29	75 - 120	4	30	F1 *	F1
1,2-Dichloroethane	73	64	77 - 122	12	30	F1	F1
Benzene	80	64	79 - 127	23	30		F1
Chlorobenzene	52	43	76 - 124	18	30	F1 *	F1
cis-1,2-Dichloroethene	87	65	81 - 117	28	30		F1
Ethylbenzene	44	39	80 - 120	13	30	F1 *	F1
Methyl tert-butyl ether	100	75	63 - 125	28	30		
Tetrachloroethene	72	42	74 - 122	51	30	F1 *	F1 F2
Toluene	88	50	74 - 128	54	30	*	F1 F2
trans-1,2-Dichloroethene	82	59	78 - 126	32	30		F1 F2
Trichloroethene	56	54	77 - 129	3	30	F1	F1

Surrogate	MS % Rec		MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		95	64 - 126
4-Bromofluorobenzene (Surr)	36	X *	94	72 - 126
Toluene-d8 (Surr)	129	X *	97	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-279982

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92542-5	Units: ug/Kg	MSD Lab Sample ID: 480-92542-5
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Analysis Date:	12/16/2015 1842		Analysis Date: 12/16/2015 1908
Prep Date:	12/16/2015 0816		Prep Date: 12/16/2015 0816
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	ND	52.6	52.7	50.3		36.3	F1 F2
1,1-Dichloroethene	ND	52.6	52.7	49.0		33.7	F2
1,2-Dichlorobenzene	ND	52.6	52.7	15.7	F1 *	15.1	F1
1,2-Dichloroethane	ND	52.6	52.7	38.4	F1	33.9	F1
Benzene	ND	52.6	52.7	42.3		33.5	F1
Chlorobenzene	ND	52.6	52.7	27.4	F1 *	22.9	F1
cis-1,2-Dichloroethene	ND	52.6	52.7	45.8		34.4	F1
Ethylbenzene	ND	52.6	52.7	23.3	F1 *	20.5	F1
Methyl tert-butyl ether	ND	52.6	52.7	52.6		39.8	
Tetrachloroethene	ND	52.6	52.7	37.8	F1 *	22.4	F1 F2
Toluene	ND	52.6	52.7	46.1	*	26.6	F1 F2
trans-1,2-Dichloroethene	ND	52.6	52.7	43.0		31.2	F1 F2
Trichloroethene	ND	52.6	52.7	29.3	F1	28.5	F1

Method Blank - Batch: 480-280904

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280904/3-A	Analysis Batch:	480-280912	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280904	Lab File ID:	S6427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/22/2015 0125	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		27	98
1,1,2,2-Tetrachloroethane	ND		16	98
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49	98
1,1,2-Trichloroethane	ND		21	98
1,1-Dichloroethane	ND		30	98
1,1-Dichloroethene	ND		34	98
1,2,4-Trichlorobenzene	ND		37	98
1,2-Dibromo-3-Chloropropane	ND		49	98
1,2-Dibromoethane	ND		17	98
1,2-Dichlorobenzene	ND		25	98
1,2-Dichloroethane	ND		40	98
1,2-Dichloropropane	ND		16	98
1,3-Dichlorobenzene	ND		26	98
1,4-Dichlorobenzene	ND		14	98
2-Butanone (MEK)	ND		290	490
2-Hexanone	ND		200	490
4-Methyl-2-pentanone (MIBK)	ND		31	490
Acetone	ND		400	490
Benzene	ND		19	98
Bromodichloromethane	ND		20	98
Bromoform	ND		49	98
Bromomethane	ND		22	98
Carbon disulfide	ND		45	98
Carbon tetrachloride	ND		25	98
Chlorobenzene	ND		13	98
Chloroethane	ND		20	98
Chloroform	ND		67	98
Chloromethane	ND		23	98
cis-1,2-Dichloroethene	ND		27	98
cis-1,3-Dichloropropene	ND		23	98
Cyclohexane	ND		22	98
Dibromochloromethane	ND		47	98
Dichlorodifluoromethane	ND		43	98
Ethylbenzene	ND		29	98
Isopropylbenzene	ND		15	98
Methyl acetate	ND		47	98
Methyl tert-butyl ether	ND		37	98
Methylcyclohexane	ND		46	98
Methylene Chloride	ND		19	98
Styrene	ND		24	98
Tetrachloroethene	ND		13	98
Toluene	ND		26	98
trans-1,2-Dichloroethene	ND		23	98
trans-1,3-Dichloropropene	ND		9.6	98
Trichloroethene	ND		27	98

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Method Blank - Batch: 480-280904

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280904/3-A	Analysis Batch:	480-280912	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280904	Lab File ID:	S6427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/22/2015 0125	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		46	98
Vinyl chloride	ND		33	98
Xylenes, Total	ND		54	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	53 - 146
4-Bromofluorobenzene (Surr)	93	49 - 148
Toluene-d8 (Surr)	101	50 - 149

Lab Control Sample - Batch: 480-280904

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-280904/1-A	Analysis Batch:	480-281182	Instrument ID:	HP5973C
Client Matrix:	Solid	Prep Batch:	480-280904	Lab File ID:	C60020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/22/2015 2351	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	2490	2060	83	78 - 121	
1,1-Dichloroethene	2490	2030	82	48 - 133	
1,2-Dichlorobenzene	2490	2260	91	78 - 125	
1,2-Dichloroethane	2490	1880	75	74 - 127	
Benzene	2490	2060	83	77 - 125	
Chlorobenzene	2490	2370	95	76 - 126	
cis-1,2-Dichloroethene	2490	2060	83	79 - 124	
Ethylbenzene	2490	2290	92	78 - 124	
Methyl tert-butyl ether	2490	1980	79	67 - 137	
Tetrachloroethene	2490	2610	105	73 - 133	
Toluene	2490	2390	96	75 - 124	
trans-1,2-Dichloroethene	2490	2100	84	74 - 129	
Trichloroethene	2490	2080	83	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	53 - 146
4-Bromofluorobenzene (Surr)	105	49 - 148
Toluene-d8 (Surr)	99	50 - 149

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	ISTD response or retention time outside acceptable limits
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-279767					
LCS 480-279767/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279767/2-A	Method Blank	T	Solid	5035	
480-92542-1	B1-AREA2-S1	T	Solid	5035	
480-92542-2	B2-AREA2-S1	T	Solid	5035	
Analysis Batch:480-279770					
LCS 480-279767/1-A	Lab Control Sample	T	Solid	8260C	480-279767
MB 480-279767/2-A	Method Blank	T	Solid	8260C	480-279767
480-92542-1	B1-AREA2-S1	T	Solid	8260C	480-279767
480-92542-2	B2-AREA2-S1	T	Solid	8260C	480-279767
Prep Batch: 480-279982					
LCS 480-279982/1-A	Lab Control Sample	T	Solid	5035	
MB 480-279982/2-A	Method Blank	T	Solid	5035	
480-92542-3	B5-AREA2-S1	T	Solid	5035	
480-92542-4	B32-AREA2-S1	T	Solid	5035	
480-92542-5	B32-AREA2-S2	T	Solid	5035	
480-92542-5MS	Matrix Spike	T	Solid	5035	
480-92542-5MSD	Matrix Spike Duplicate	T	Solid	5035	
480-92542-7	B33-AREA2-S2	T	Solid	5035	
480-92542-8	B34-AREA2-S1	T	Solid	5035	
480-92542-9	B-AREA2-DUP3	T	Solid	5035	
Analysis Batch:480-279993					
LCS 480-279982/1-A	Lab Control Sample	T	Solid	8260C	480-279982
MB 480-279982/2-A	Method Blank	T	Solid	8260C	480-279982
480-92542-3	B5-AREA2-S1	T	Solid	8260C	480-279982
480-92542-4	B32-AREA2-S1	T	Solid	8260C	480-279982
480-92542-5	B32-AREA2-S2	T	Solid	8260C	480-279982
480-92542-5MS	Matrix Spike	T	Solid	8260C	480-279982
480-92542-5MSD	Matrix Spike Duplicate	T	Solid	8260C	480-279982
480-92542-7	B33-AREA2-S2	T	Solid	8260C	480-279982
480-92542-8	B34-AREA2-S1	T	Solid	8260C	480-279982
480-92542-9	B-AREA2-DUP3	T	Solid	8260C	480-279982
Prep Batch: 480-280904					
LCS 480-280904/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-280904/3-A	Method Blank	T	Solid	5035A	
480-92542-6	B33-AREA2-S1	T	Solid	5035A	
Analysis Batch:480-280912					
MB 480-280904/3-A	Method Blank	T	Solid	8260C	480-280904
Analysis Batch:480-281000					
480-92542-6	B33-AREA2-S1	T	Solid	8260C	480-280904

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-281182					
LCS 480-280904/1-A	Lab Control Sample	T	Solid	8260C	480-280904

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-279826					
480-92542-1	B1-AREA2-S1	T	Solid	Moisture	
480-92542-2	B2-AREA2-S1	T	Solid	Moisture	
480-92542-3	B5-AREA2-S1	T	Solid	Moisture	
480-92542-4	B32-AREA2-S1	T	Solid	Moisture	
480-92542-5	B32-AREA2-S2	T	Solid	Moisture	
480-92542-5MS	Matrix Spike	T	Solid	Moisture	
480-92542-5MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-92542-6	B33-AREA2-S1	T	Solid	Moisture	
480-92542-7	B33-AREA2-S2	T	Solid	Moisture	
480-92542-8	B34-AREA2-S1	T	Solid	Moisture	
480-92542-9	B-AREA2-DUP3	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

Laboratory Chronicle

Lab ID: 480-92542-1 **Client ID: B1-AREA2-S1**

Sample Date/Time: 12/10/2015 11:05 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-1-A		480-279770	480-279767	12/15/2015 09:08	1	TAL BUF	CDC
A:8260C	480-92542-A-1-A		480-279770	480-279767	12/15/2015 16:44	1	TAL BUF	NMD1
A:Moisture	480-92542-A-1		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-2 **Client ID: B2-AREA2-S1**

Sample Date/Time: 12/10/2015 09:20 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-2-A		480-279770	480-279767	12/15/2015 09:08	1	TAL BUF	CDC
A:8260C	480-92542-A-2-A		480-279770	480-279767	12/15/2015 17:09	1	TAL BUF	NMD1
A:Moisture	480-92542-A-2		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-3 **Client ID: B5-AREA2-S1**

Sample Date/Time: 12/10/2015 10:40 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-3-C		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-3-C		480-279993	480-279982	12/16/2015 12:37	1	TAL BUF	NMD1
A:Moisture	480-92542-A-3		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-4 **Client ID: B32-AREA2-S1**

Sample Date/Time: 12/10/2015 11:25 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-4-C		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-4-C		480-279993	480-279982	12/16/2015 13:03	1	TAL BUF	NMD1
A:Moisture	480-92542-A-4		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-5 **Client ID: B32-AREA2-S2**

Sample Date/Time: 12/10/2015 11:30 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-5-E		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-5-E		480-279993	480-279982	12/16/2015 13:29	1	TAL BUF	NMD1
A:Moisture	480-92542-A-5		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

Laboratory Chronicle

Lab ID: 480-92542-5 **Client ID: B32-AREA2-S2**

Sample Date/Time: 12/10/2015 11:30 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-5-F MS		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-5-F MS		480-279993	480-279982	12/16/2015 18:42	1	TAL BUF	NMD1
A:Moisture	480-92542-A-5 MS		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-5 **Client ID: B32-AREA2-S2**

Sample Date/Time: 12/10/2015 11:30 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-5-G MSD		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-5-G MSD		480-279993	480-279982	12/16/2015 19:08	1	TAL BUF	NMD1
A:Moisture	480-92542-A-5 MSD		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-6 **Client ID: B33-AREA2-S1**

Sample Date/Time: 12/10/2015 11:50 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92542-A-6-B		480-281000	480-280904	12/21/2015 17:07	1	TAL BUF	SWO
A:8260C	480-92542-A-6-B		480-281000	480-280904	12/22/2015 17:53	1	TAL BUF	GTG
A:Moisture	480-92542-A-6		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-7 **Client ID: B33-AREA2-S2**

Sample Date/Time: 12/10/2015 11:55 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-7-C		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-7-C		480-279993	480-279982	12/16/2015 13:55	1	TAL BUF	NMD1
A:Moisture	480-92542-A-7		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Lab ID: 480-92542-8 **Client ID: B34-AREA2-S1**

Sample Date/Time: 12/10/2015 08:50 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-8-C		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-8-C		480-279993	480-279982	12/16/2015 14:20	1	TAL BUF	NMD1
A:Moisture	480-92542-A-8		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

Client: Stantec Consulting Services Inc Job Number: 480-92542-1

Laboratory Chronicle

Lab ID: 480-92542-9 **Client ID: B-AREA2-DUP3**

Sample Date/Time: 12/10/2015 11:10 Received Date/Time: 12/11/2015 01:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92542-A-9-E		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	480-92542-A-9-E		480-279993	480-279982	12/16/2015 14:46	1	TAL BUF	NMD1
A:Moisture	480-92542-A-9		480-279826		12/15/2015 11:38	1	TAL BUF	CDC

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 480-279767/2-A		480-279770	480-279767	12/15/2015 09:08	1	TAL BUF	CDC
A:8260C	MB 480-279767/2-A		480-279770	480-279767	12/15/2015 11:43	1	TAL BUF	NMD1
P:5035	MB 480-279982/2-A		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	MB 480-279982/2-A		480-279993	480-279982	12/16/2015 11:10	1	TAL BUF	NMD1
P:5035A	MB 480-280904/3-A		480-280912	480-280904	12/21/2015 17:07	1	TAL BUF	SWO
A:8260C	MB 480-280904/3-A		480-280912	480-280904	12/22/2015 01:25	1	TAL BUF	GTG

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 480-279767/1-A		480-279770	480-279767	12/15/2015 09:08	1	TAL BUF	CDC
A:8260C	LCS 480-279767/1-A		480-279770	480-279767	12/15/2015 12:48	1	TAL BUF	NMD1
P:5035	LCS 480-279982/1-A		480-279993	480-279982	12/16/2015 08:16	1	TAL BUF	CDC
A:8260C	LCS 480-279982/1-A		480-279993	480-279982	12/16/2015 10:18	1	TAL BUF	NMD1
P:5035A	LCS 480-280904/1-A		480-281182	480-280904	12/21/2015 17:07	1	TAL BUF	SWO
A:8260C	LCS 480-280904/1-A		480-281182	480-280904	12/22/2015 23:51	1	TAL BUF	GTG

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-92542-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B1-AREA2-S1	480-92542-1	101	99	87
B2-AREA2-S1	480-92542-2	100	99	93
B5-AREA2-S1	480-92542-3	101	118 *	43 X *
B32-AREA2-S1	480-92542-4	102	122 *	45 X *
B32-AREA2-S2	480-92542-5	102	121 *	34 X *
B33-AREA2-S2	480-92542-7	101	113 *	37 X *
B34-AREA2-S1	480-92542-8	100	121 *	39 X *
B-AREA2-DUP3	480-92542-9	98	116 *	41 X *
	MB 480-279767/2-A	98	96	99
	MB 480-279982/2-A	100	96	96
	LCS 480-279767/1-A	101	89	93
	LCS 480-279982/1-A	109	102	105
B32-AREA2-S2 MS	480-92542-5 MS	94	129 X *	36 X *
B32-AREA2-S2 MSD	480-92542-5 MSD	95	97	94

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B33-AREA2-S1	480-92542-6	88	98	90
	MB 480-280904/3-A	96	101	93
	LCS 480-280904/1-A	93	99	105

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F3155.D

Lab ID: LCS 480-279767/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.6	50.2	101	73-126	
1,1-Dichloroethene	49.6	49.7	100	59-125	
1,2-Dichlorobenzene	49.6	47.7	96	75-120	
1,2-Dichloroethane	49.6	47.6	96	77-122	
Benzene	49.6	47.9	96	79-127	
Chlorobenzene	49.6	48.8	98	76-124	
cis-1,2-Dichloroethene	49.6	47.1	95	81-117	
Ethylbenzene	49.6	49.3	99	80-120	
Methyl tert-butyl ether	49.6	45.2	91	63-125	
Tetrachloroethene	49.6	52.6	106	74-122	
Toluene	49.6	47.1	95	74-128	
trans-1,2-Dichloroethene	49.6	48.3	97	78-126	
Trichloroethene	49.6	50.0	101	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F3199.D

Lab ID: LCS 480-279982/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	46.9	94	73-126	
1,1-Dichloroethene	50.0	46.6	93	59-125	
1,2-Dichlorobenzene	50.0	44.4	89	75-120	
1,2-Dichloroethane	50.0	48.8	98	77-122	
Benzene	50.0	46.0	92	79-127	
Chlorobenzene	50.0	44.0	88	76-124	
cis-1,2-Dichloroethene	50.0	46.5	93	81-117	
Ethylbenzene	50.0	43.6	87	80-120	
Methyl tert-butyl ether	50.0	49.6	99	63-125	
Tetrachloroethene	50.0	42.9	86	74-122	
Toluene	50.0	42.9	86	74-128	
trans-1,2-Dichloroethene	50.0	45.7	91	78-126	
Trichloroethene	50.0	45.1	90	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: C60020.D

Lab ID: LCS 480-280904/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2490	2060	83	78-121	
1,1-Dichloroethene	2490	2030	82	48-133	
1,2-Dichlorobenzene	2490	2260	91	78-125	
1,2-Dichloroethane	2490	1880	75	74-127	
Benzene	2490	2060	83	77-125	
Chlorobenzene	2490	2370	95	76-126	
cis-1,2-Dichloroethene	2490	2060	83	79-124	
Ethylbenzene	2490	2290	92	78-124	
Methyl tert-butyl ether	2490	1980	79	67-137	
Tetrachloroethene	2490	2610	105	73-133	
Toluene	2490	2390	96	75-124	
trans-1,2-Dichloroethene	2490	2100	84	74-129	
Trichloroethene	2490	2080	83	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F3218.D

Lab ID: 480-92542-5 MS Client ID: B32-AREA2-S2 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	52.6	ND	50.3	96	73-126	
1,1-Dichloroethene	52.6	ND	49.0	93	59-125	
1,2-Dichlorobenzene	52.6	ND	15.7	30	75-120	F1 *
1,2-Dichloroethane	52.6	ND	38.4	73	77-122	F1
Benzene	52.6	ND	42.3	80	79-127	
Chlorobenzene	52.6	ND	27.4	52	76-124	F1 *
cis-1,2-Dichloroethene	52.6	ND	45.8	87	81-117	
Ethylbenzene	52.6	ND	23.3	44	80-120	F1 *
Methyl tert-butyl ether	52.6	ND	52.6	100	63-125	
Tetrachloroethene	52.6	ND	37.8	72	74-122	F1 *
Toluene	52.6	ND	46.1	88	74-128	*
trans-1,2-Dichloroethene	52.6	ND	43.0	82	78-126	
Trichloroethene	52.6	ND	29.3	56	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F3219.D

Lab ID: 480-92542-5 MSD Client ID: B32-AREA2-S2 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	52.7	36.3	69	32	30	73-126	F1 F2
1,1-Dichloroethene	52.7	33.7	64	37	30	59-125	F2
1,2-Dichlorobenzene	52.7	15.1	29	4	30	75-120	F1
1,2-Dichloroethane	52.7	33.9	64	12	30	77-122	F1
Benzene	52.7	33.5	64	23	30	79-127	F1
Chlorobenzene	52.7	22.9	43	18	30	76-124	F1
cis-1,2-Dichloroethene	52.7	34.4	65	28	30	81-117	F1
Ethylbenzene	52.7	20.5	39	13	30	80-120	F1
Methyl tert-butyl ether	52.7	39.8	75	28	30	63-125	
Tetrachloroethene	52.7	22.4	42	51	30	74-122	F1 F2
Toluene	52.7	26.6	50	54	30	74-128	F1 F2
trans-1,2-Dichloroethene	52.7	31.2	59	32	30	78-126	F1 F2
Trichloroethene	52.7	28.5	54	3	30	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: F3153.D Lab Sample ID: MB 480-279767/2-A

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

Instrument ID: HP5973F Date Analyzed: 12/15/2015 11:43

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279767/1-A	F3155.D	12/15/2015 12:48
B1-AREA2-S1	480-92542-1	F3164.D	12/15/2015 16:44
B2-AREA2-S1	480-92542-2	F3165.D	12/15/2015 17:09

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: F3201.D Lab Sample ID: MB 480-279982/2-A

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

Instrument ID: HP5973F Date Analyzed: 12/16/2015 11:10

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-279982/1-A	F3199.D	12/16/2015 10:18
B5-AREA2-S1	480-92542-3	F3204.D	12/16/2015 12:37
B32-AREA2-S1	480-92542-4	F3205.D	12/16/2015 13:03
B32-AREA2-S2	480-92542-5	F3206.D	12/16/2015 13:29
B33-AREA2-S2	480-92542-7	F3207.D	12/16/2015 13:55
B34-AREA2-S1	480-92542-8	F3208.D	12/16/2015 14:20
B-AREA2-DUP3	480-92542-9	F3209.D	12/16/2015 14:46
B32-AREA2-S2 MS	480-92542-5 MS	F3218.D	12/16/2015 18:42
B32-AREA2-S2 MSD	480-92542-5 MSD	F3219.D	12/16/2015 19:08

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: S6427.D Lab Sample ID: MB 480-280904/3-A

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

Instrument ID: HP5973S Date Analyzed: 12/22/2015 01:25

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B33-AREA2-S1	480-92542-6	S6471.D	12/22/2015 17:53
	LCS 480-280904/1-A	C60020.D	12/22/2015 23:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: C59579.D BFB Injection Date: 12/11/2015

Instrument ID: HP5973C BFB Injection Time: 13:23

Analysis Batch No.: 279331

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	54.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.6	(0.6) 1
174	50.0 - 120.00 % of mass 95	85.6	
175	5.0 - 9.0 % of mass 174	6.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	86.0	(100.4) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-279331/4	C59581.D	12/11/2015	14:15
	IC 480-279331/5	C59582.D	12/11/2015	14:41
	IC 480-279331/6	C59583.D	12/11/2015	15:07
	IC 480-279331/7	C59584.D	12/11/2015	15:58
	IC 480-279331/8	C59585.D	12/11/2015	16:23
	ICIS 480-279331/9	C59586.D	12/11/2015	16:49
	IC 480-279331/10	C59587.D	12/11/2015	17:15
	IC 480-279331/11	C59588.D	12/11/2015	17:40

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: C60017.D BFB Injection Date: 12/22/2015

Instrument ID: HP5973C BFB Injection Time: 22:33

Analysis Batch No.: 281182

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.5	
75	30.0 - 60.0 % of mass 95	54.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.3	(0.3) 1
174	50.0 - 120.00 % of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	5.6	(6.8) 1
176	95.0 - 101.0 % of mass 174	81.0	(98.4) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-281182/2	C60018.D	12/22/2015	23:00
	CCV 480-281182/3	C60019.D	12/22/2015	23:26
	LCS 480-280904/1-A	C60020.D	12/22/2015	23:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: F2994.D BFB Injection Date: 12/08/2015

Instrument ID: HP5973F BFB Injection Time: 15:34

Analysis Batch No.: 278716

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.4	
75	30.0 - 60.0 % of mass 95	52.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.2	
175	5.0 - 9.0 % of mass 174	6.0	(7.3) 1
176	95.0 - 101.0 % of mass 174	80.8	(98.3) 1
177	5.0 - 9.0 % of mass 176	4.8	(5.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-278716/4	F2996.D	12/08/2015	16:29
	IC 480-278716/5	F2997.D	12/08/2015	16:55
	IC 480-278716/6	F2998.D	12/08/2015	17:21
	IC 480-278716/7	F2999.D	12/08/2015	17:47
	ICIS 480-278716/8	F3000.D	12/08/2015	18:13
	IC 480-278716/9	F3001.D	12/08/2015	18:38
	IC 480-278716/10	F3002.D	12/08/2015	19:04

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: F3148.D BFB Injection Date: 12/15/2015

Instrument ID: HP5973F BFB Injection Time: 09:21

Analysis Batch No.: 279770

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	55.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	85.1	
175	5.0 - 9.0 % of mass 174	6.6	(7.8) 1
176	95.0 - 101.0 % of mass 174	82.0	(96.4) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279770/2	F3149.D	12/15/2015	09:46
	MB 480-279767/2-A	F3153.D	12/15/2015	11:43
	LCS 480-279767/1-A	F3155.D	12/15/2015	12:48
B1-AREA2-S1	480-92542-1	F3164.D	12/15/2015	16:44
B2-AREA2-S1	480-92542-2	F3165.D	12/15/2015	17:09

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: F3196.D BFB Injection Date: 12/16/2015

Instrument ID: HP5973F BFB Injection Time: 08:49

Analysis Batch No.: 279993

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.5	
75	30.0 - 60.0 % of mass 95	55.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	85.5	
175	5.0 - 9.0 % of mass 174	6.1	(7.2) 1
176	95.0 - 101.0 % of mass 174	84.8	(99.2) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-279993/3	F3197.D	12/16/2015	09:14
	LCS 480-279982/1-A	F3199.D	12/16/2015	10:18
	MB 480-279982/2-A	F3201.D	12/16/2015	11:10
B5-AREA2-S1	480-92542-3	F3204.D	12/16/2015	12:37
B32-AREA2-S1	480-92542-4	F3205.D	12/16/2015	13:03
B32-AREA2-S2	480-92542-5	F3206.D	12/16/2015	13:29
B33-AREA2-S2	480-92542-7	F3207.D	12/16/2015	13:55
B34-AREA2-S1	480-92542-8	F3208.D	12/16/2015	14:20
B-AREA2-DUP3	480-92542-9	F3209.D	12/16/2015	14:46
B32-AREA2-S2 MS	480-92542-5 MS	F3218.D	12/16/2015	18:42
B32-AREA2-S2 MSD	480-92542-5 MSD	F3219.D	12/16/2015	19:08

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: S5792.D BFB Injection Date: 12/07/2015

Instrument ID: HP5973S BFB Injection Time: 13:03

Analysis Batch No.: 278464

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.6	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	5.8	(6.4) 1
176	95.0 - 101.0 % of mass 174	86.0	(95.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-278464/5	S5794.D	12/07/2015	13:52
	IC 480-278464/7	S5796.D	12/07/2015	14:38
	IC 480-278464/8	S5797.D	12/07/2015	15:01
	ICIS 480-278464/9	S5798.D	12/07/2015	15:24
	IC 480-278464/10	S5799.D	12/07/2015	15:47
	IC 480-278464/11	S5800.D	12/07/2015	16:09
	IC 480-278464/13	S5802.D	12/07/2015	16:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: S6420.D BFB Injection Date: 12/21/2015

Instrument ID: HP5973S BFB Injection Time: 21:02

Analysis Batch No.: 280912

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	31.0	
75	30.0 - 60.0 % of mass 95	55.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	78.9	
175	5.0 - 9.0 % of mass 174	6.7	(8.5) 1
176	95.0 - 101.0 % of mass 174	76.8	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.9	(7.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280912/3	S6421.D	12/21/2015	21:31
	MB 480-280904/3-A	S6427.D	12/22/2015	01:25

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab File ID: S6452.D BFB Injection Date: 12/22/2015

Instrument ID: HP5973S BFB Injection Time: 10:30

Analysis Batch No.: 281000

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.7	
75	30.0 - 60.0 % of mass 95	52.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	78.5	
175	5.0 - 9.0 % of mass 174	6.5	(8.3) 1
176	95.0 - 101.0 % of mass 174	76.6	(97.6) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-281000/3	S6453.D	12/22/2015	10:55
B33-AREA2-S1	480-92542-6	S6471.D	12/22/2015	17:53

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: ICIS 480-279331/9 Date Analyzed: 12/11/2015 16:49

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C59586.D Heated Purge: (Y/N) N

Calibration ID: 25794

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		123769	9.37	261294	11.78	255093	13.78
UPPER LIMIT		247538	9.87	522588	12.28	510186	14.28
LOWER LIMIT		61885	8.87	130647	11.28	127547	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-281182/2		123480	9.37	270463	11.78	271447	13.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: CCVIS 480-281182/2 Date Analyzed: 12/22/2015 23:00

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C60018.D Heated Purge: (Y/N) N

Calibration ID: 25797

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		123480	9.37	270463	11.78	271447	13.78
UPPER LIMIT		246960	9.87	540926	12.28	542894	14.28
LOWER LIMIT		61740	8.87	135232	11.28	135724	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-281182/3		142133	9.37	267346	11.78	272130	13.78
LCS 480-280904/1-A		141061	9.37	263796	11.78	269732	13.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: ICIS 480-278716/8 Date Analyzed: 12/08/2015 18:13

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F3000.D Heated Purge: (Y/N) Y

Calibration ID: 25780

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		173048	5.38	358161	8.19	337564	10.54
UPPER LIMIT		346096	5.88	716322	8.69	675128	11.04
LOWER LIMIT		86524	4.88	179081	7.69	168782	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-279770/2		148275	5.38	310832	8.19	296422	10.54
CCVIS 480-279993/3		133667	5.38	281718	8.19	270962	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: CCVIS 480-279770/2 Date Analyzed: 12/15/2015 09:46

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F3149.D Heated Purge: (Y/N) Y

Calibration ID: 25783

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		148275	5.38	310832	8.19	296422	10.54
UPPER LIMIT		296550	5.88	621664	8.69	592844	11.04
LOWER LIMIT		74138	4.88	155416	7.69	148211	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-279767/2-A		140619	5.38	297343	8.19	275737	10.54
LCS 480-279767/1-A		147347	5.38	309838	8.19	292360	10.54
480-92542-1	B1-AREA2-S1	126948	5.38	255804	8.19	175949	10.54
480-92542-2	B2-AREA2-S1	123012	5.38	250318	8.19	213090	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: CCVIS 480-279993/3 Date Analyzed: 12/16/2015 09:14

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F3197.D Heated Purge: (Y/N) Y

Calibration ID: 25783

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		133667	5.38	281718	8.19	270962	10.54
UPPER LIMIT		267334	5.88	563436	8.69	541924	11.04
LOWER LIMIT		66834	4.88	140859	7.69	135481	10.04
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-279982/1-A		134716	5.38	289402	8.19	273786	10.54
MB 480-279982/2-A		125875	5.38	269046	8.19	250978	10.54
480-92542-3	B5-AREA2-S1	104754	5.38	135315*	8.19	57562*	10.54
480-92542-4	B32-AREA2-S1	103147	5.38	130656*	8.19	51862*	10.54
480-92542-5	B32-AREA2-S2	83846	5.38	80325*	8.20	33534*	10.54
480-92542-7	B33-AREA2-S2	81918	5.38	87213*	8.19	40417*	10.54
480-92542-8	B34-AREA2-S1	95071	5.38	110709*	8.19	44091*	10.54
480-92542-9	B-AREA2-DUP3	84210	5.38	98949*	8.20	45327*	10.54
480-92542-5 MS	B32-AREA2-S2 MS	101777	5.38	103368*	8.19	36000*	10.54
480-92542-5 MSD	B32-AREA2-S2 MSD	136121	5.38	292308	8.19	236028	10.54

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: ICIS 480-278464/9 Date Analyzed: 12/07/2015 15:24

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S5798.D Heated Purge: (Y/N) N

Calibration ID: 25734

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		141293	5.40	315294	8.40	325064	10.78
UPPER LIMIT		282586	5.90	630588	8.90	650128	11.28
LOWER LIMIT		70647	4.90	157647	7.90	162532	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-280912/3		102866	5.40	207957	8.39	195428	10.78
CCVIS 480-281000/3		120897	5.40	239453	8.39	225285	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: CCVIS 480-280912/3 Date Analyzed: 12/21/2015 21:31

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6421.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		102866	5.40	207957	8.39	195428	10.78
UPPER LIMIT		205732	5.90	415914	8.89	390856	11.28
LOWER LIMIT		51433	4.90	103979	7.89	97714	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-280904/3-A		105467	5.40	209278	8.39	197763	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Sample No.: CCVIS 480-281000/3 Date Analyzed: 12/22/2015 10:55

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6453.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		120897	5.40	239453	8.39	225285	10.78
UPPER LIMIT		241794	5.90	478906	8.89	450570	11.28
LOWER LIMIT		60449	4.90	119727	7.89	112643	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-92542-6	B33-AREA2-S1	123526	5.40	245880	8.39	222966	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B1-AREA2-S1 | Lab Sample ID: 480-92542-1

Matrix: Solid | Lab File ID: F3164.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:05

Sample wt/vol: 5.13(g) | Date Analyzed: 12/15/2015 16:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	0.75	J	5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND		5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.3	2.7
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND		5.3	0.41
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.3	0.74
78-93-3	2-Butanone (MEK)	ND	*	27	1.9
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.7
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.7
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.7
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND		5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
98-82-8	Isopropylbenzene	ND		5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B1-AREA2-S1 | Lab Sample ID: 480-92542-1

Matrix: Solid | Lab File ID: F3164.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:05

Sample wt/vol: 5.13(g) | Date Analyzed: 12/15/2015 16:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	ND		5.3	2.4
100-42-5	Styrene	ND		5.3	0.27
127-18-4	Tetrachloroethene	ND		5.3	0.71
108-88-3	Toluene	ND		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	87		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3164.D
Lims ID: 480-92542-A-1-A Lab Sample ID: 480-92542-1
Client ID: B1-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 16:44:30 ALS Bottle#: 11 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-1-A
Misc. Info.: 480-0049231-017
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 19:34:44 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 15-Dec-2015 19:34:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	126948	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	255804	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.541	-0.006	96	175949	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.139	0.006	0	88675	50.6	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	94	526532	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.422	-0.007	90	146982	43.7	
10 Dichlorodifluoromethane	85		1.914				ND	
12 Chloromethane	50		2.073				ND	
13 Vinyl chloride	62		2.182				ND	
14 Bromomethane	94		2.468				ND	
15 Chloroethane	64		2.535				ND	
17 Trichlorofluoromethane	101		2.717				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.113				ND	
22 1,1-Dichloroethene	96		3.131				ND	
23 Acetone	43		3.186				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.405				ND	
30 Methylene Chloride	84		3.514				ND	
32 Methyl tert-butyl ether	73		3.666				ND	
34 trans-1,2-Dichloroethene	96		3.703				ND	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	91	4664	0.7112	
43 2-Butanone (MEK)	43		4.476				ND	
45 cis-1,2-Dichloroethene	96	4.476	4.482	-0.006	69	1522	0.3519	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.865				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.993				ND	
57 Benzene	78		5.169				ND	
58 1,2-Dichloroethane	62		5.206				ND	
62 Trichloroethene	95	5.686	5.686	0.000	88	2210	0.5299	
64 Methylcyclohexane	83		5.826				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.149				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.629				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166		7.341				ND	
80 2-Hexanone	43		7.420				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.229				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.406				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.862				ND	
95 Bromoform	173		9.136				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.586				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 SURR_00131	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added: 1.00	Units: uL	Run Reagent

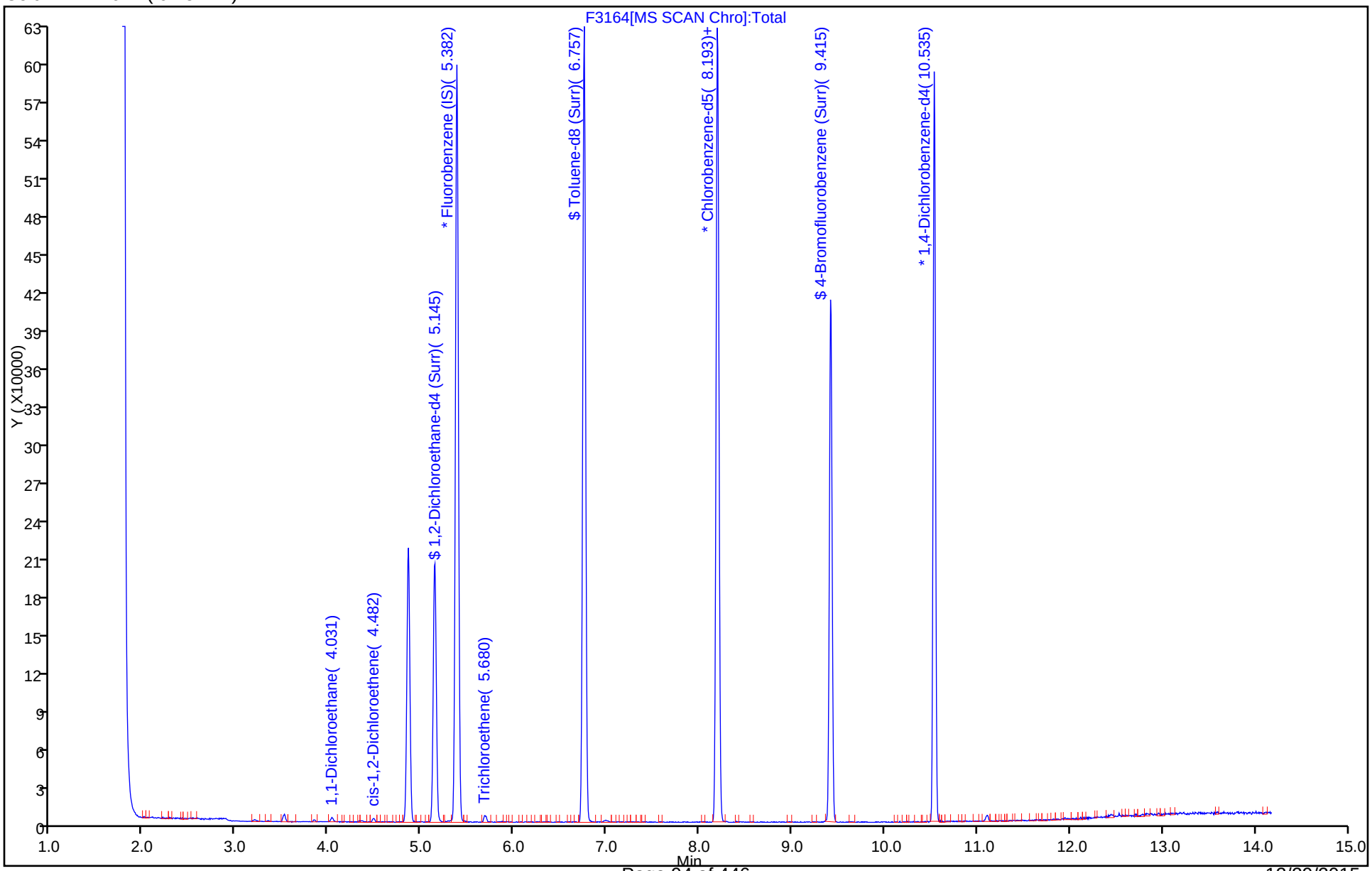
Report Date: 15-Dec-2015 19:34:45 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3164.D

Injection Date:	15-Dec-2015 16:44:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-1-A	Lab Sample ID:	480-92542-1	Worklist Smp#:	17
Client ID:	B1-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

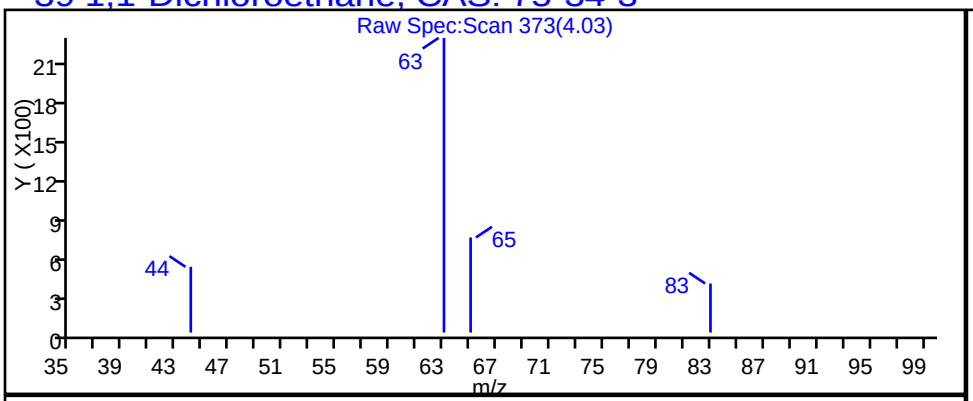
Column: ZB-624 (0.25 mm)

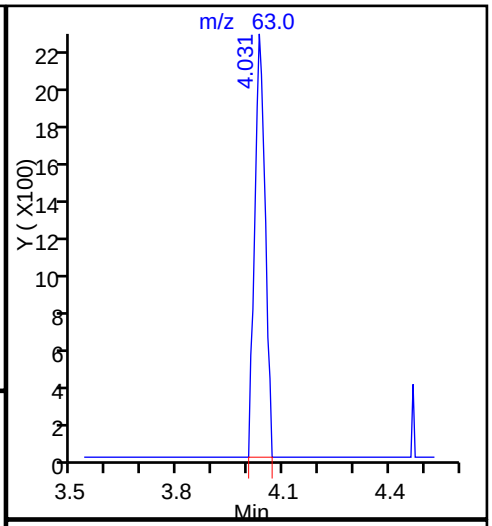


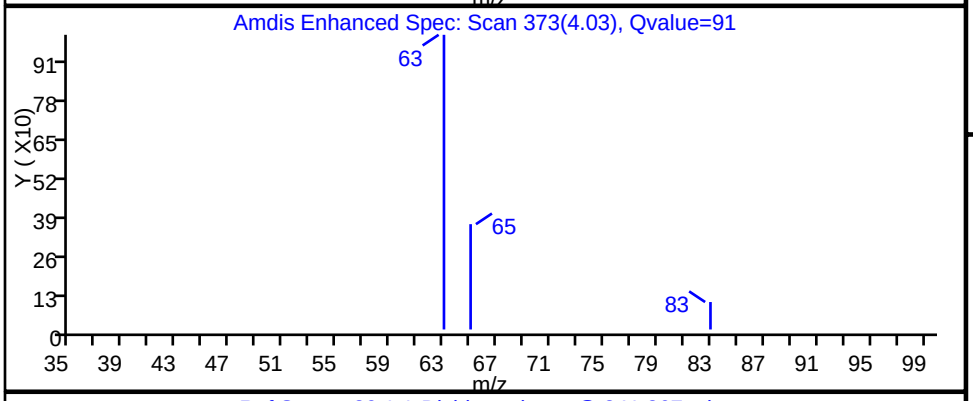
TestAmerica Buffalo

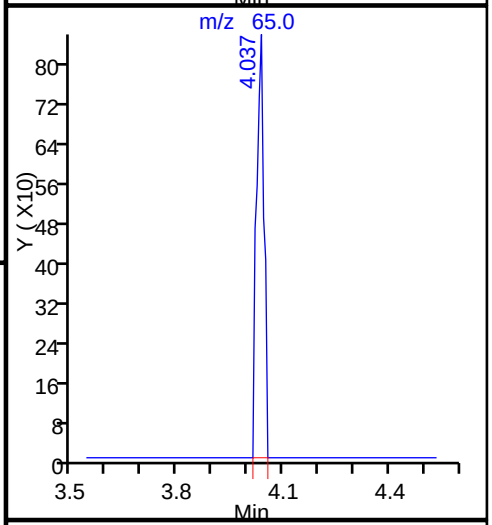
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3164.D				
Injection Date:	15-Dec-2015 16:44:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-1-A	Lab Sample ID:	480-92542-1		
Client ID:	B1-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

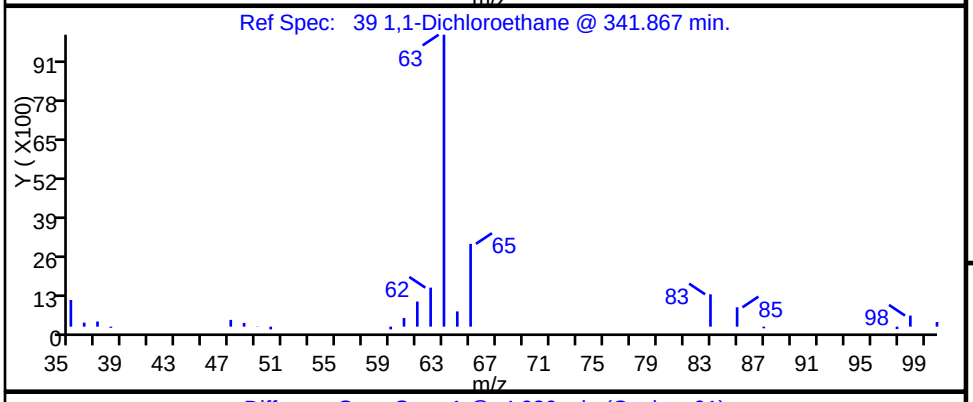
39 1,1-Dichloroethane, CAS: 75-34-3

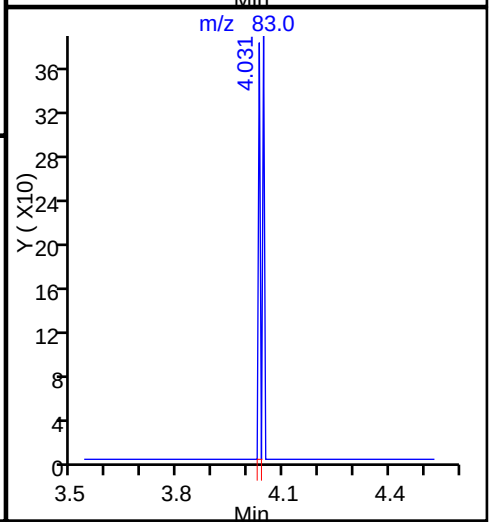


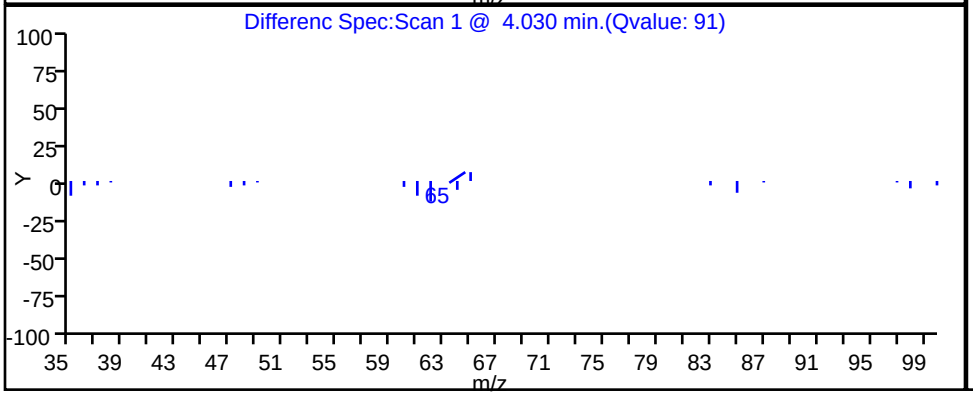












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B2-AREA2-S1 | Lab Sample ID: 480-92542-2

Matrix: Solid | Lab File ID: F3165.D

Analysis Method: 8260C | Date Collected: 12/10/2015 09:20

Sample wt/vol: 5.05(g) | Date Analyzed: 12/15/2015 17:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.3 | Level: (low/med) Low

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.8	0.42
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.8	0.95
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.8	0.76
75-34-3	1,1-Dichloroethane	ND		5.8	0.71
75-35-4	1,1-Dichloroethene	ND		5.8	0.72
120-82-1	1,2,4-Trichlorobenzene	ND		5.8	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.8	2.9
106-93-4	1,2-Dibromoethane	ND		5.8	0.75
95-50-1	1,2-Dichlorobenzene	ND		5.8	0.46
107-06-2	1,2-Dichloroethane	ND		5.8	0.29
78-87-5	1,2-Dichloropropane	ND		5.8	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.8	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.8	0.82
78-93-3	2-Butanone (MEK)	ND	*	29	2.1
591-78-6	2-Hexanone	ND		29	2.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	14	J	29	4.9
71-43-2	Benzene	ND		5.8	0.29
75-27-4	Bromodichloromethane	ND		5.8	0.78
75-25-2	Bromoform	ND		5.8	2.9
74-83-9	Bromomethane	ND		5.8	0.53
75-15-0	Carbon disulfide	ND		5.8	2.9
56-23-5	Carbon tetrachloride	ND		5.8	0.57
108-90-7	Chlorobenzene	ND		5.8	0.77
75-00-3	Chloroethane	ND		5.8	1.3
67-66-3	Chloroform	ND		5.8	0.36
74-87-3	Chloromethane	ND		5.8	0.35
156-59-2	cis-1,2-Dichloroethene	8.9		5.8	0.75
10061-01-5	cis-1,3-Dichloropropene	ND		5.8	0.84
110-82-7	Cyclohexane	ND		5.8	0.82
124-48-1	Dibromochloromethane	ND		5.8	0.75
75-71-8	Dichlorodifluoromethane	ND		5.8	0.48
100-41-4	Ethylbenzene	ND		5.8	0.40
98-82-8	Isopropylbenzene	ND		5.8	0.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B2-AREA2-S1 | Lab Sample ID: 480-92542-2

Matrix: Solid | Lab File ID: F3165.D

Analysis Method: 8260C | Date Collected: 12/10/2015 09:20

Sample wt/vol: 5.05(g) | Date Analyzed: 12/15/2015 17:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.3 | Level: (low/med) Low

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.8	3.5
1634-04-4	Methyl tert-butyl ether	ND		5.8	0.57
108-87-2	Methylcyclohexane	ND		5.8	0.89
75-09-2	Methylene Chloride	ND		5.8	2.7
100-42-5	Styrene	ND		5.8	0.29
127-18-4	Tetrachloroethene	7.7		5.8	0.78
108-88-3	Toluene	1.1	J	5.8	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.8	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		5.8	2.6
79-01-6	Trichloroethene	2.5	J	5.8	1.3
75-69-4	Trichlorofluoromethane	ND		5.8	0.55
75-01-4	Vinyl chloride	ND		5.8	0.71
1330-20-7	Xylenes, Total	ND		12	0.98

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		64-126
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3165.D
Lims ID: 480-92542-A-2-A Lab Sample ID: 480-92542-2
Client ID: B2-AREA2-S1
Sample Type: Client
Inject. Date: 15-Dec-2015 17:09:30 ALS Bottle#: 12 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-2-A
Misc. Info.: 480-0049231-018
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 19:35:28 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 15-Dec-2015 19:35:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.382	-0.006	99	123012	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	250318	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.541	-0.006	96	213090	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	84575	49.8	
$ 5 Toluene-d8 (Surr)	98	6.751	6.757	-0.006	93	511202	49.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.422	0.000	90	153457	46.6	
10 Dichlorodifluoromethane	85		1.914				ND	
12 Chloromethane	50		2.073				ND	
13 Vinyl chloride	62		2.182				ND	
14 Bromomethane	94		2.468				ND	
15 Chloroethane	64		2.535				ND	
17 Trichlorofluoromethane	101		2.717				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.113	3.113	0.000	89	3021	0.8332	
22 1,1-Dichloroethene	96		3.131				ND	
23 Acetone	43	3.192	3.186	0.006	100	11551	11.7	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.405				ND	
30 Methylene Chloride	84		3.514				ND	
32 Methyl tert-butyl ether	73		3.666				ND	
34 trans-1,2-Dichloroethene	96		3.703				ND	
39 1,1-Dichloroethane	63		4.031				ND	
43 2-Butanone (MEK)	43		4.476				ND	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	79	31762	7.58	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.865				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.993				ND	
57 Benzene	78		5.169				ND	
58 1,2-Dichloroethane	62		5.206				ND	
62 Trichloroethene	95	5.686	5.686	0.000	96	8749	2.16	
64 Methylcyclohexane	83		5.826				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.149				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.629				ND	
74 Toluene	92	6.818	6.818	0.000	97	8846	0.9273	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	27874	6.63	
80 2-Hexanone	43		7.420				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.229				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.406				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.862				ND	
95 Bromoform	173		9.136				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.586				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

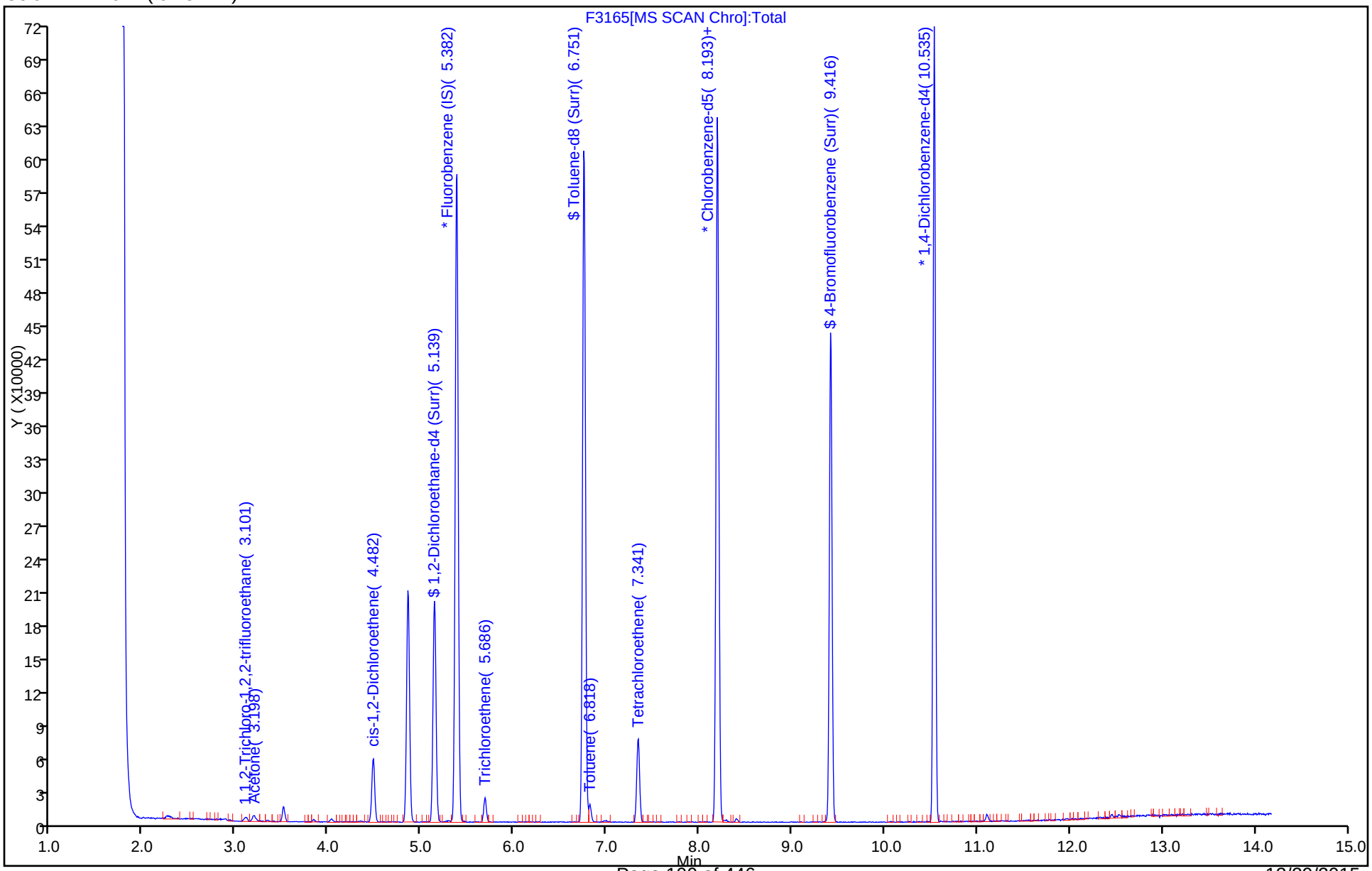
Report Date: 15-Dec-2015 19:35:29 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3165.D

Injection Date:	15-Dec-2015 17:09:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-2-A	Lab Sample ID:	480-92542-2	Worklist Smp#:	18
Client ID:	B2-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

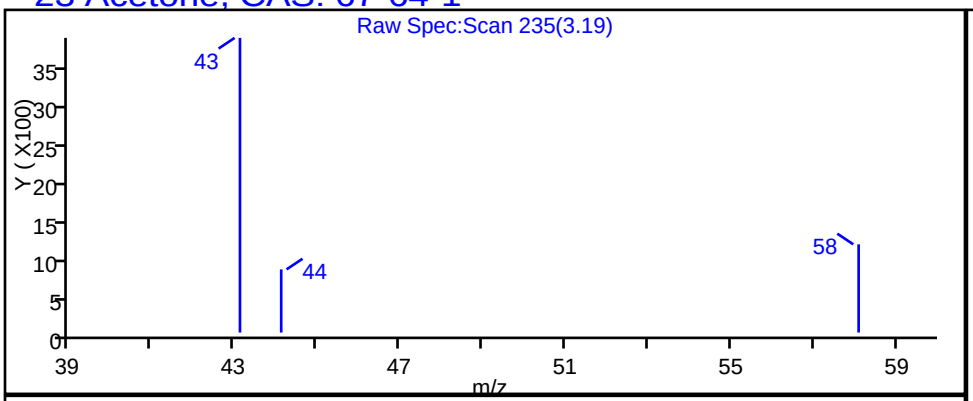


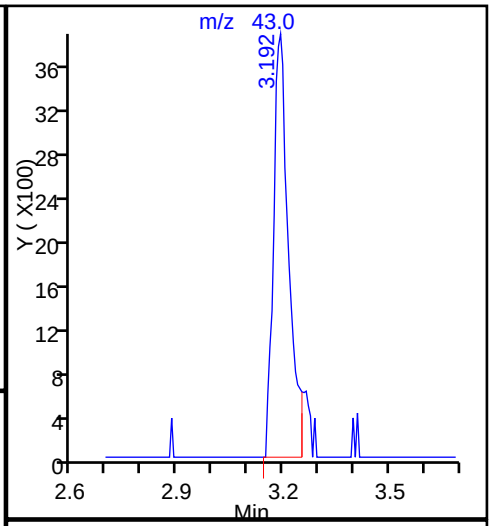
TestAmerica Buffalo

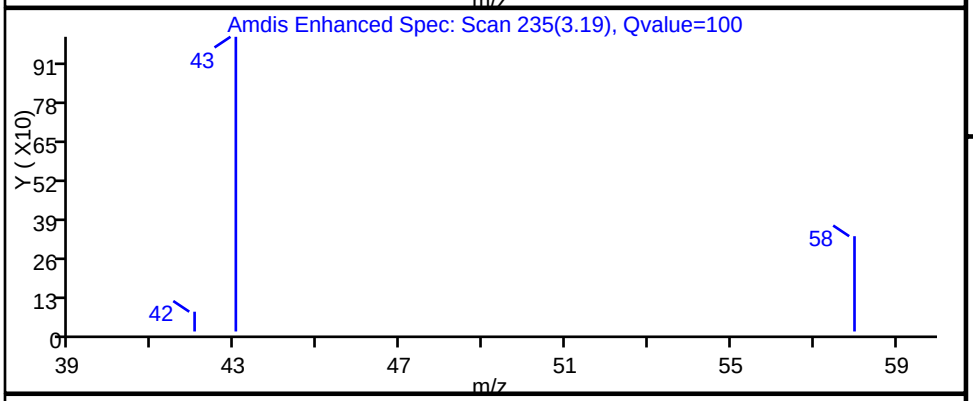
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3165.D

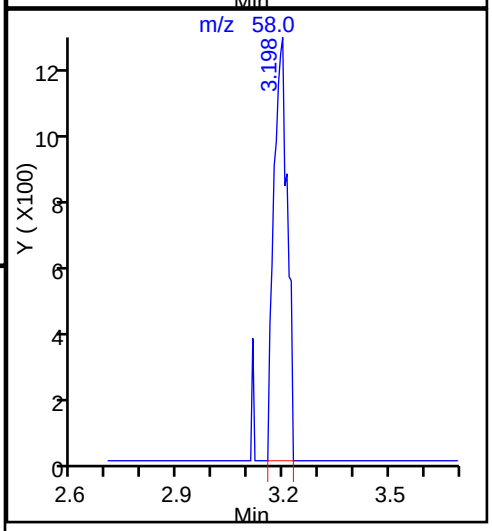
Injection Date:	15-Dec-2015 17:09:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-2-A	Lab Sample ID:	480-92542-2		
Client ID:	B2-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

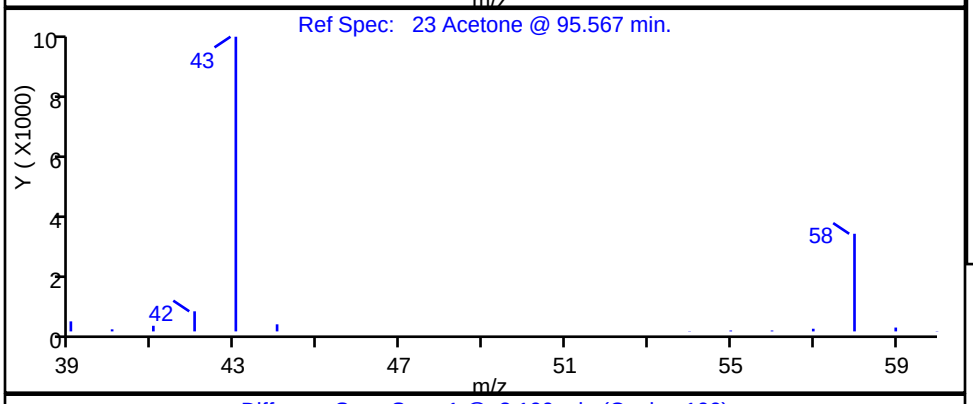
23 Acetone, CAS: 67-64-1

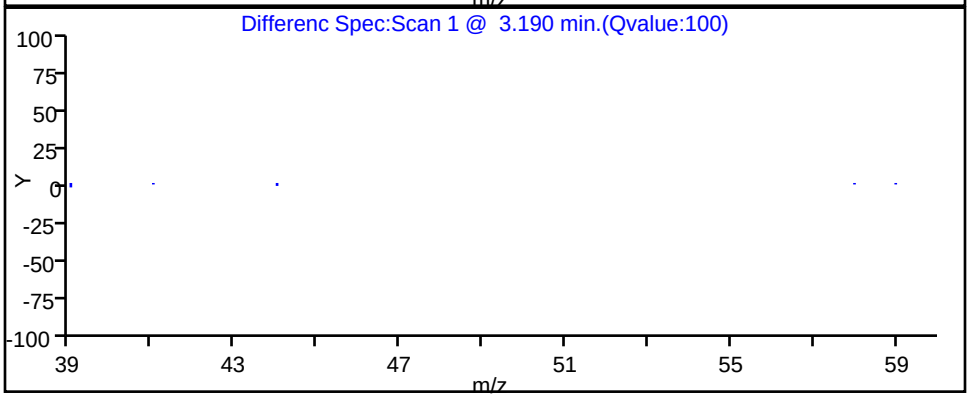










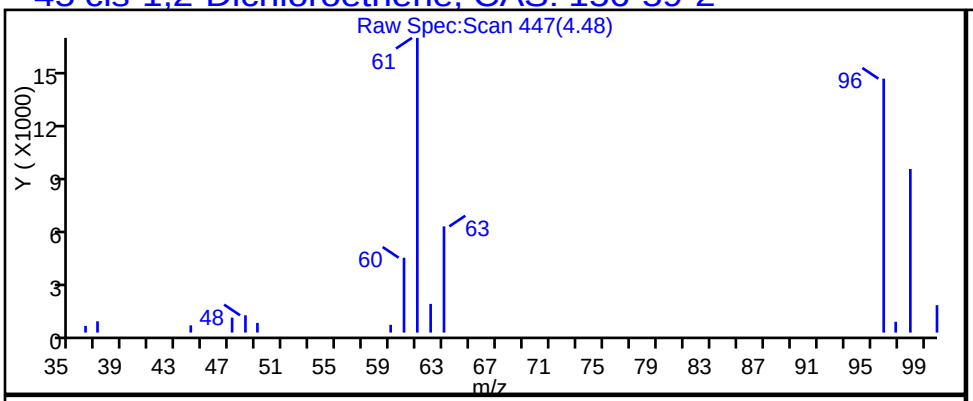


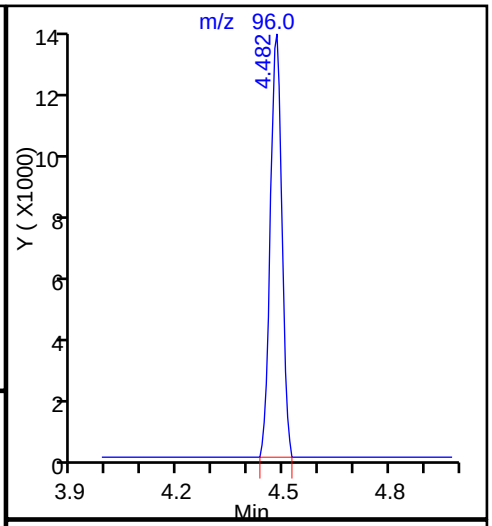
TestAmerica Buffalo

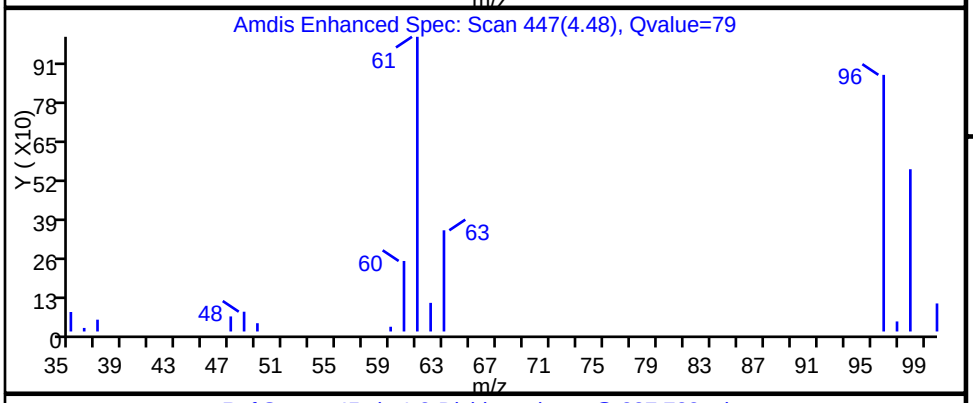
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3165.D

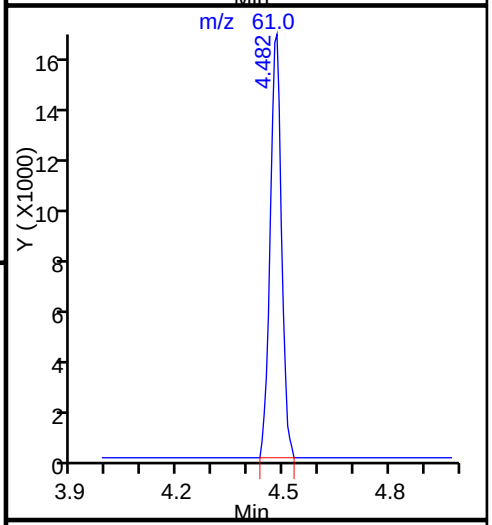
Injection Date:	15-Dec-2015 17:09:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-2-A	Lab Sample ID:	480-92542-2		
Client ID:	B2-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

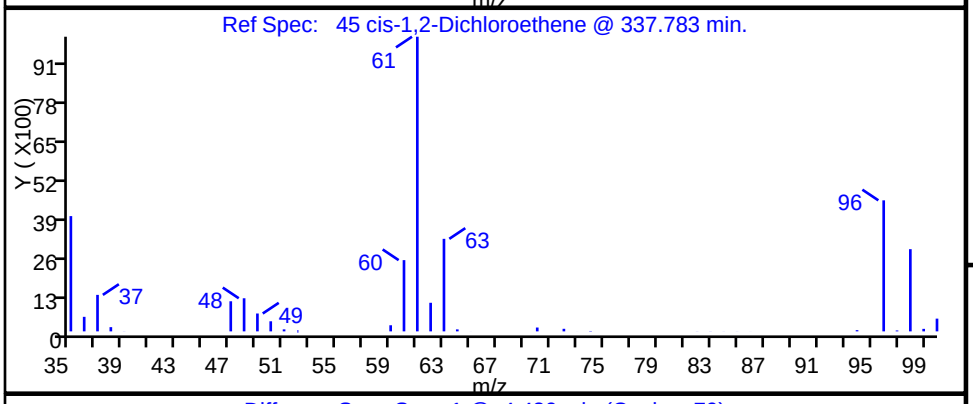
45 cis-1,2-Dichloroethene, CAS: 156-59-2

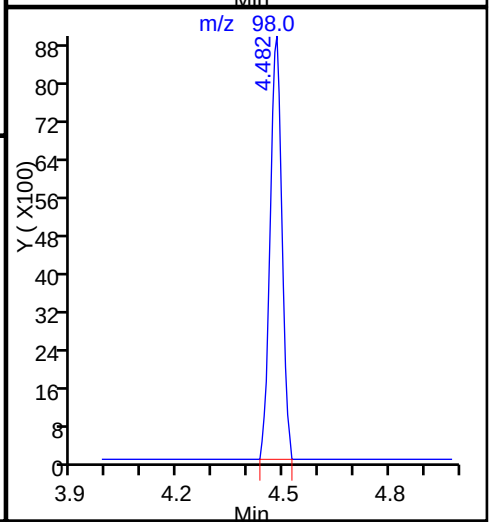


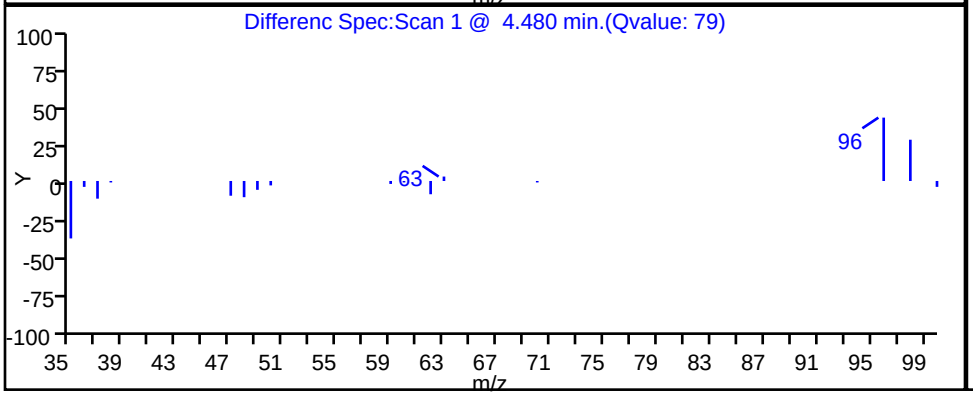










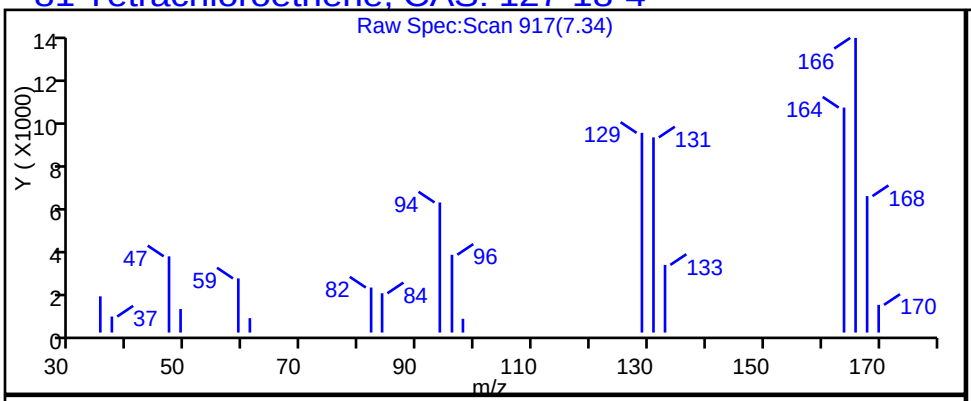


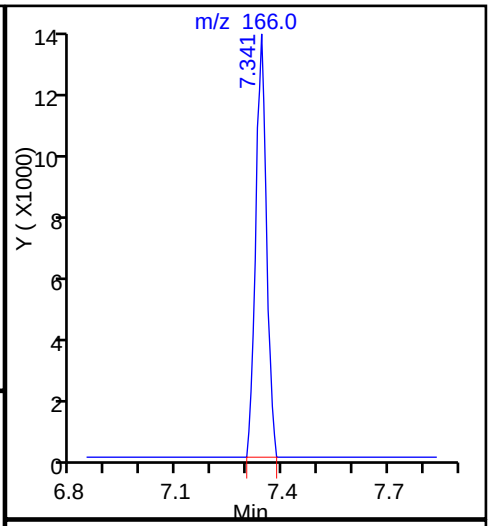
TestAmerica Buffalo

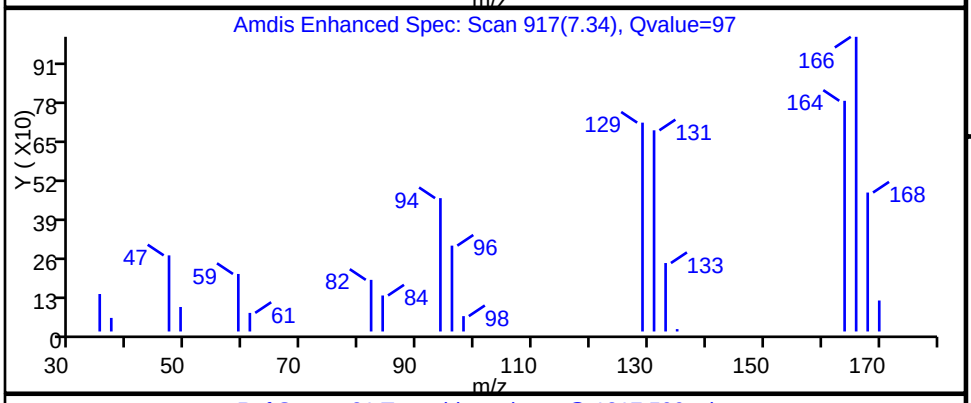
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3165.D

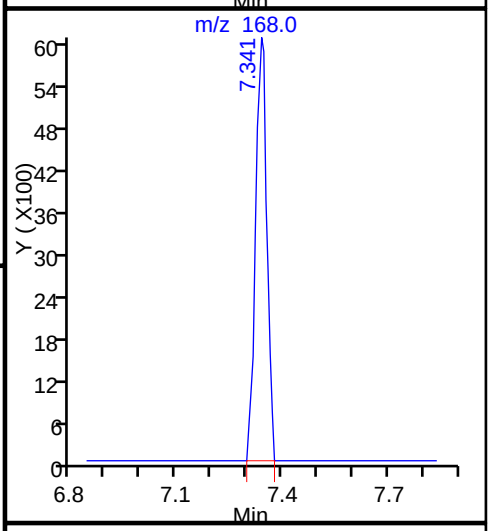
Injection Date:	15-Dec-2015 17:09:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-2-A	Lab Sample ID:	480-92542-2		
Client ID:	B2-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

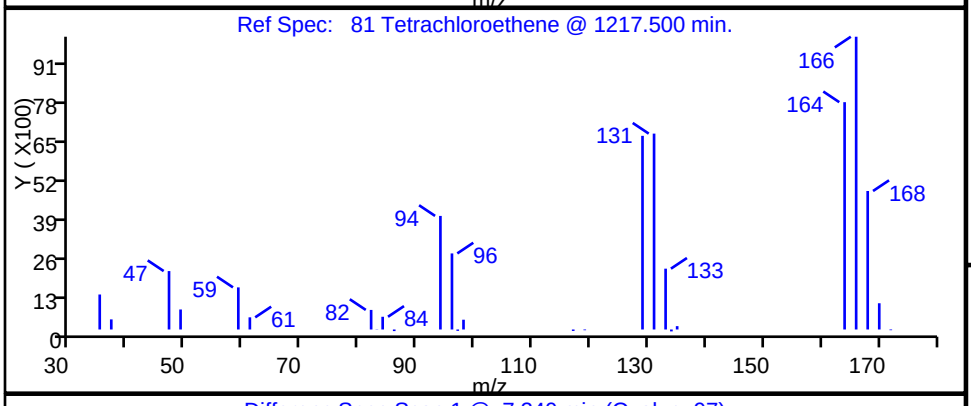
81 Tetrachloroethene, CAS: 127-18-4

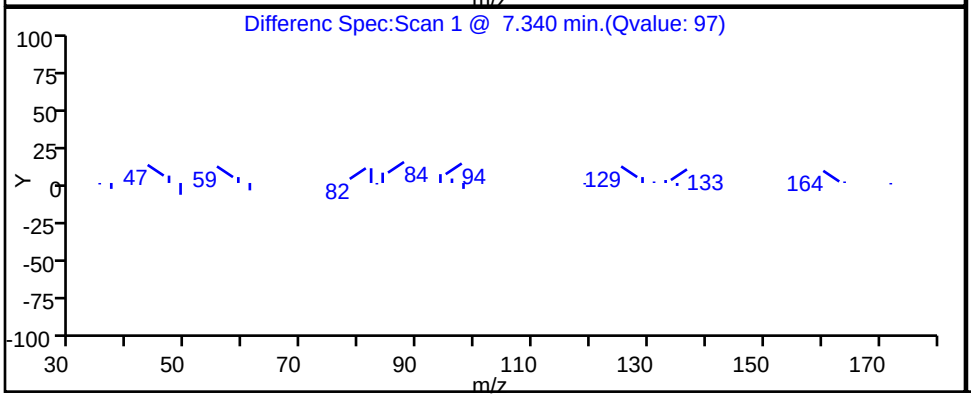


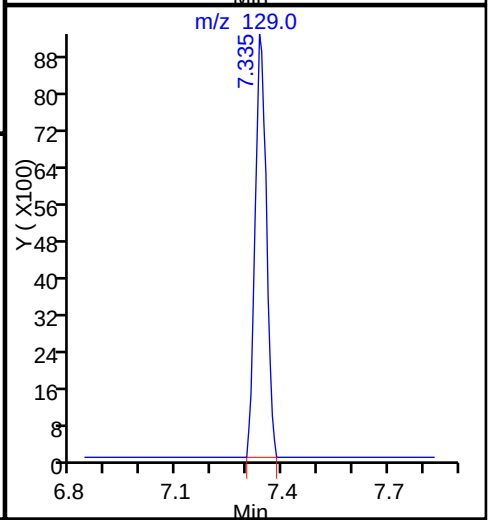








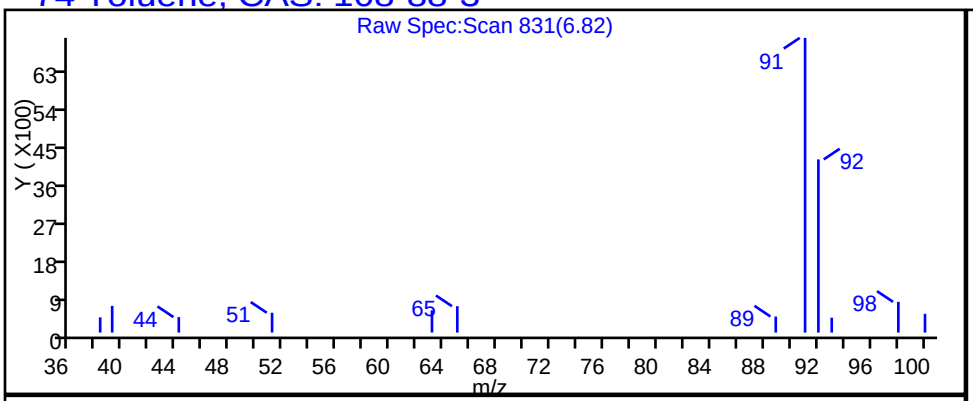


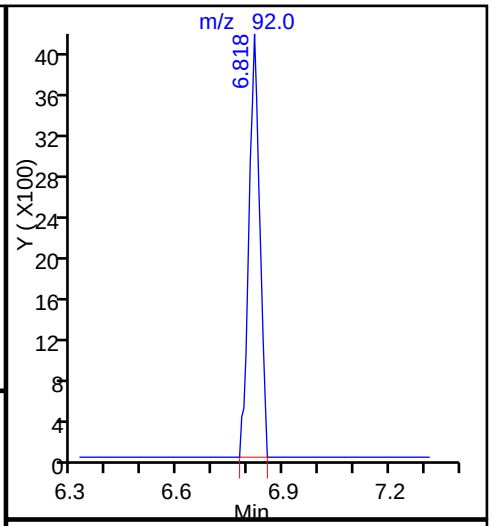


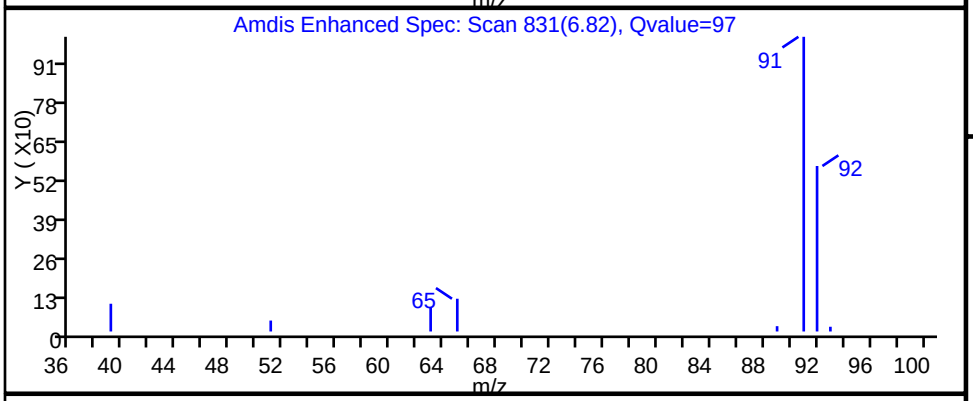
TestAmerica Buffalo

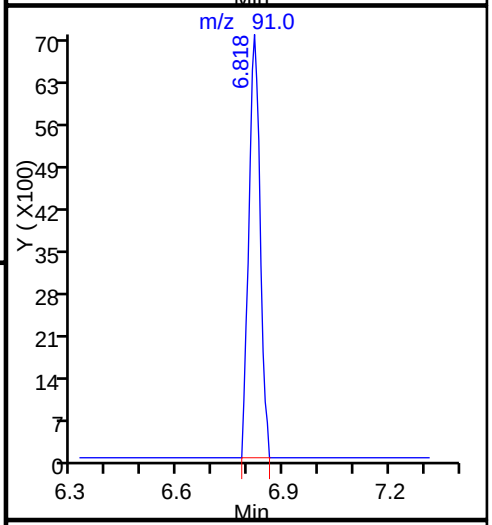
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3165.D				
Injection Date:	15-Dec-2015 17:09:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-2-A	Lab Sample ID:	480-92542-2		
Client ID:	B2-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

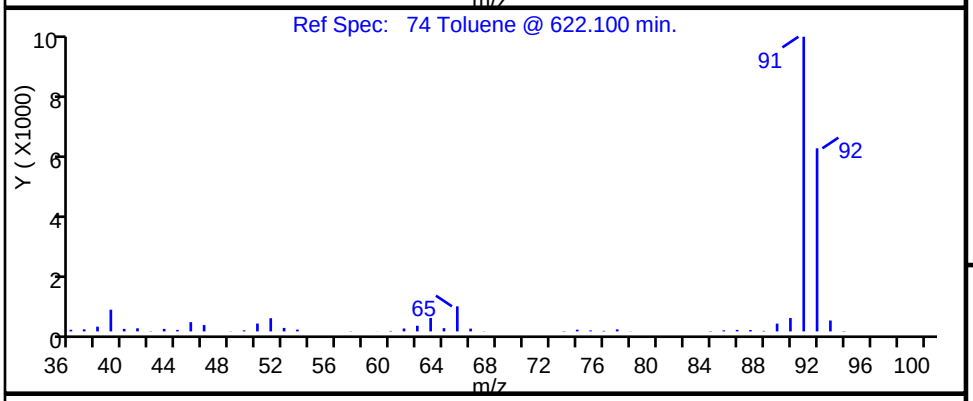
74 Toluene, CAS: 108-88-3

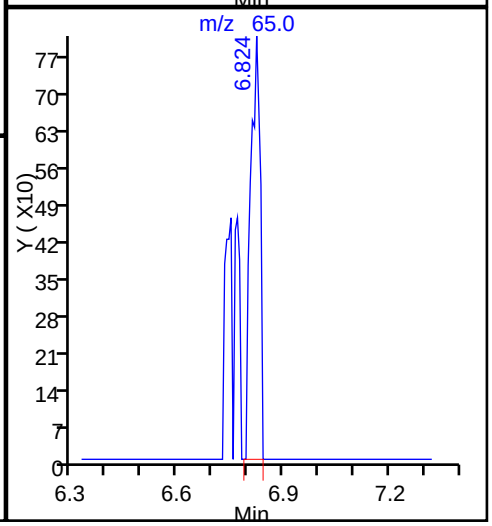


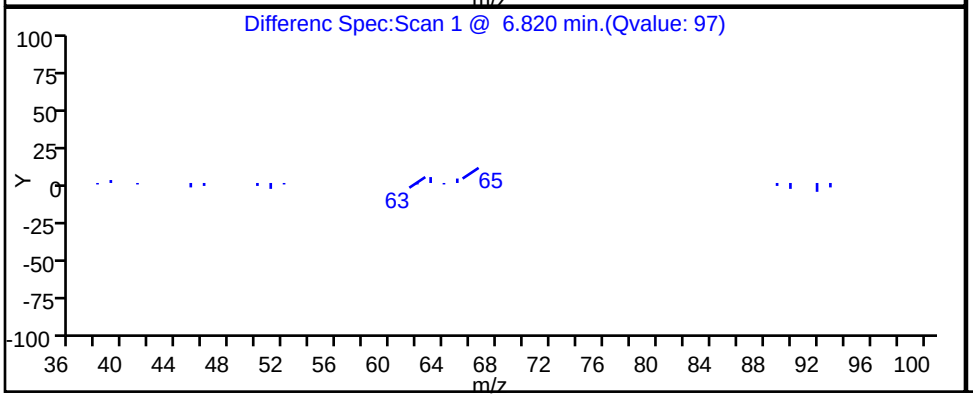












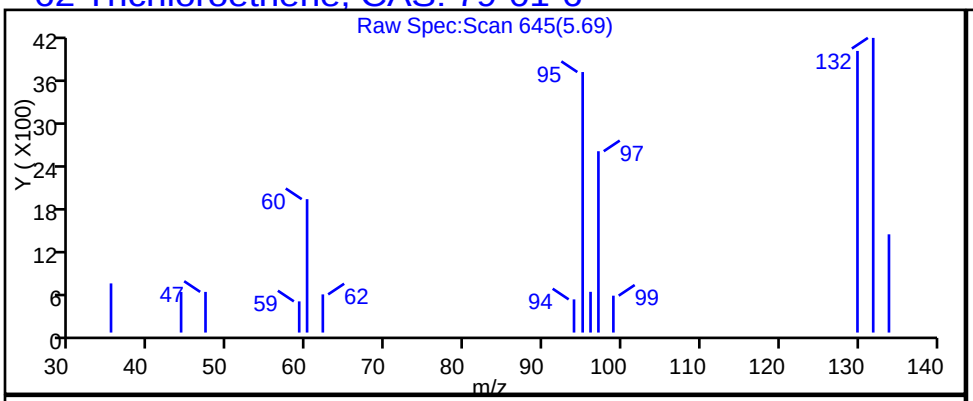
Report Date: 15-Dec-2015 19:35:29 Chrom Revision: 2.2 02-Dec-2015 11:51:48

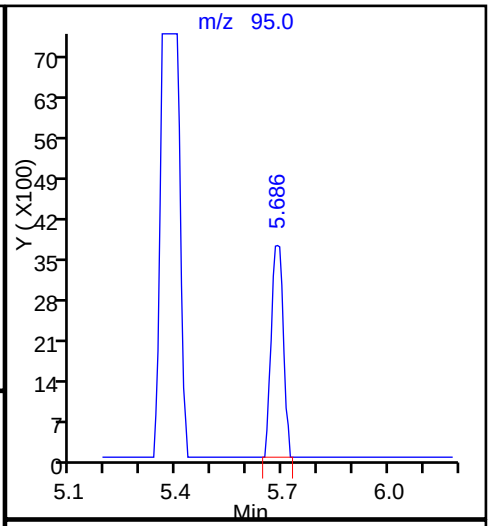
TestAmerica Buffalo

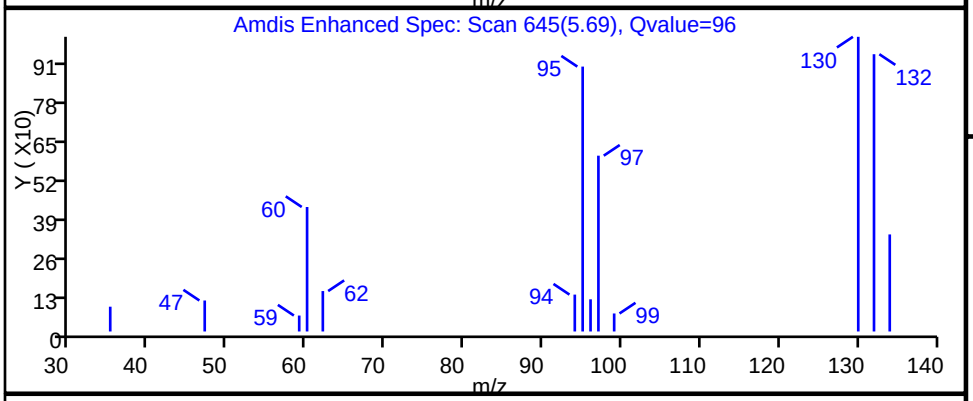
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3165.D

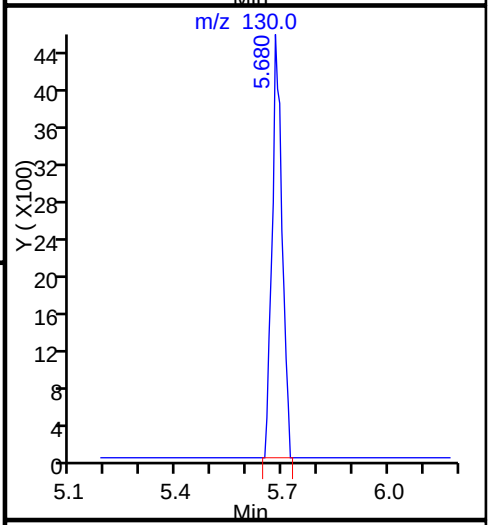
Injection Date:	15-Dec-2015 17:09:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-2-A	Lab Sample ID:	480-92542-2		
Client ID:	B2-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	12	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

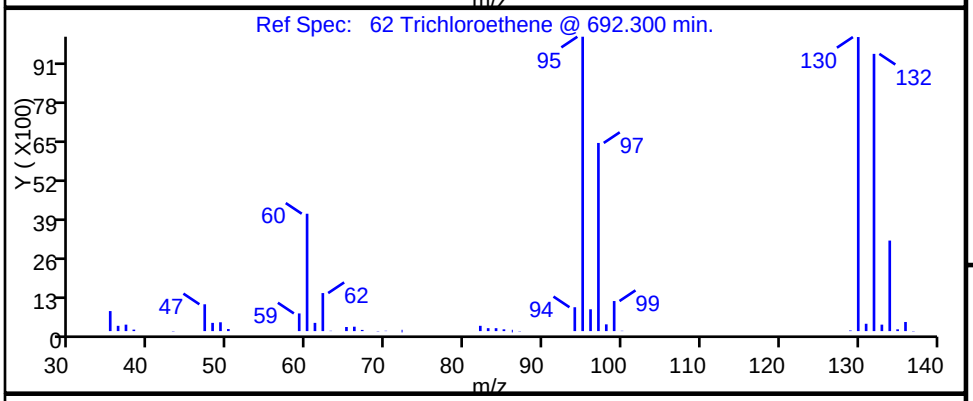
62 Trichloroethene, CAS: 79-01-6

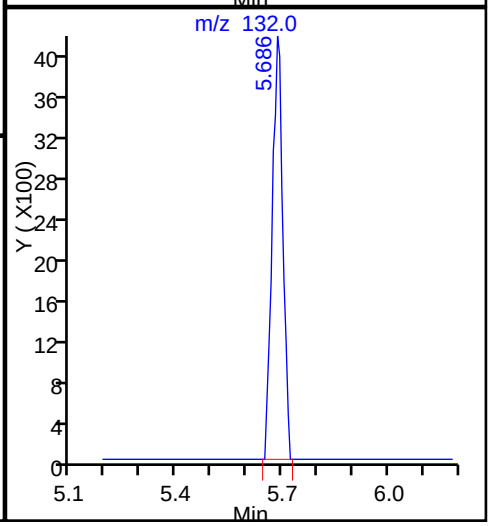


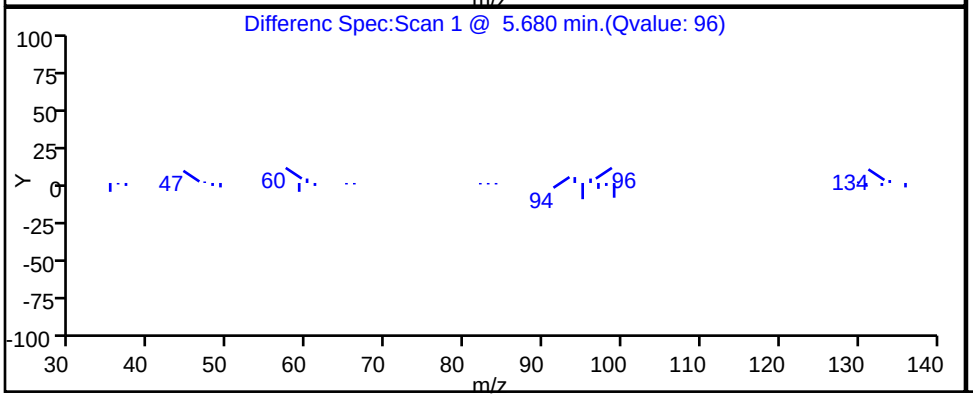












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B5-AREA2-S1 | Lab Sample ID: 480-92542-3

Matrix: Solid | Lab File ID: F3204.D

Analysis Method: 8260C | Date Collected: 12/10/2015 10:40

Sample wt/vol: 5.12(g) | Date Analyzed: 12/16/2015 12:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.68
75-34-3	1,1-Dichloroethane	ND		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.51
108-90-7	Chlorobenzene	ND	*	5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND	*	5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B5-AREA2-S1 | Lab Sample ID: 480-92542-3

Matrix: Solid | Lab File ID: F3204.D

Analysis Method: 8260C | Date Collected: 12/10/2015 10:40

Sample wt/vol: 5.12(g) | Date Analyzed: 12/16/2015 12:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.80
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	ND	*	5.2	0.70
108-88-3	Toluene	ND	*	5.2	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	ND		5.2	1.2
75-69-4	Trichlorofluoromethane	ND		5.2	0.50
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	43	X *	72-126
2037-26-5	Toluene-d8 (Surr)	118	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3204.D
Lims ID: 480-92542-A-3-C Lab Sample ID: 480-92542-3
Client ID: B5-AREA2-S1
Sample Type: Client
Inject. Date: 16-Dec-2015 12:37:30 ALS Bottle#: 3 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-3-C
Misc. Info.: 480-0049277-010
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:10:36 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:11:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.382	-0.006	99	104754	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	135315	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	57562	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	73194	50.6	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	329910	58.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.421	9.416	0.005	90	38382	21.6	
10 Dichlorodifluoromethane	85		1.908				ND	
12 Chloromethane	50		2.060				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101				ND	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43		3.180				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.508	3.508	0.000	86	8790	0.8088	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.025				ND	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96		4.476				ND	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95		5.686				ND	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.148				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166		7.341				ND	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.405				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

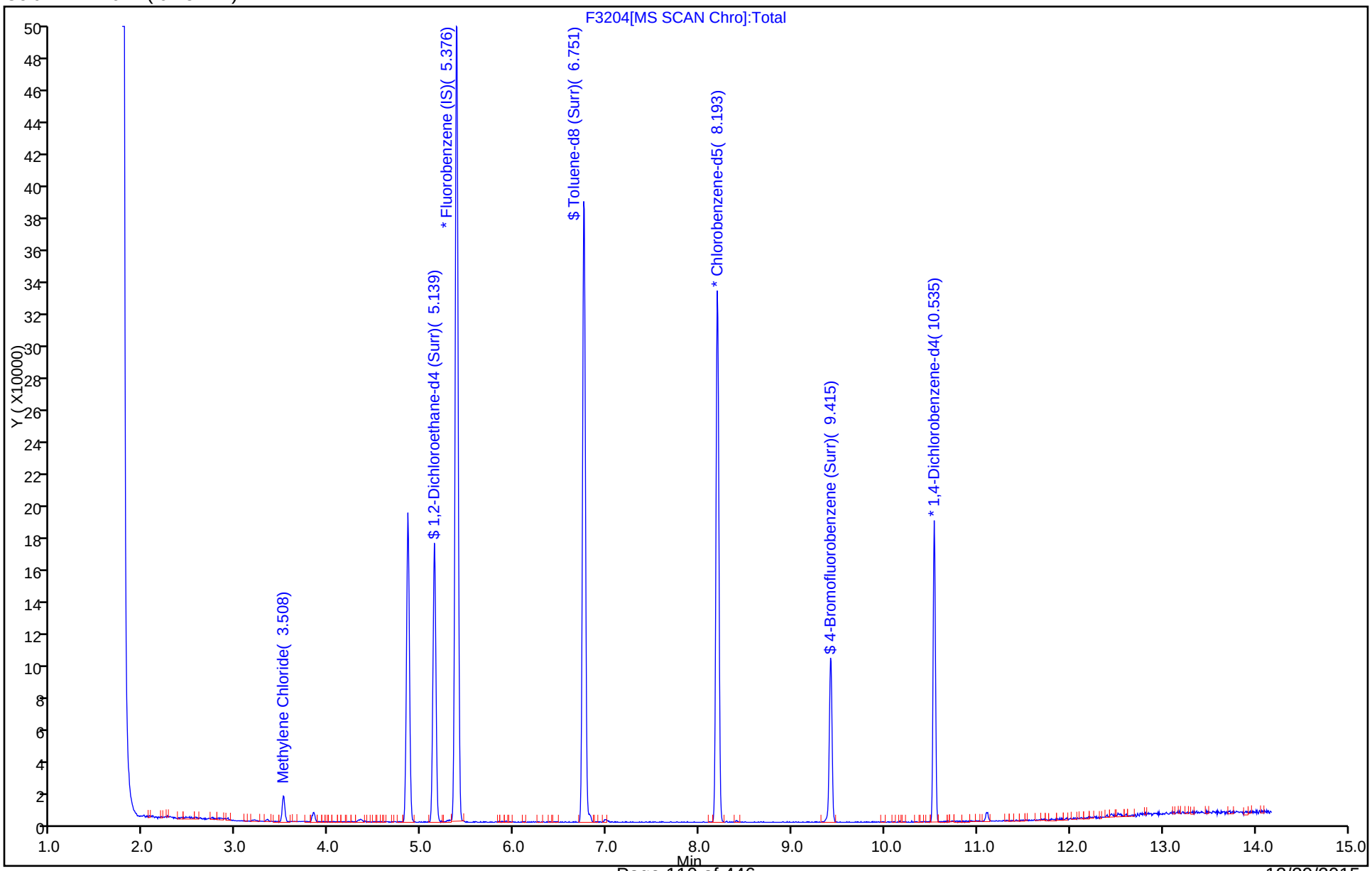
Report Date: 16-Dec-2015 18:11:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3204.D

Injection Date:	16-Dec-2015 12:37:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-3-C	Lab Sample ID:	480-92542-3	Worklist Smp#:	10
Client ID:	B5-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S1 | Lab Sample ID: 480-92542-4

Matrix: Solid | Lab File ID: F3205.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:25

Sample wt/vol: 5.12(g) | Date Analyzed: 12/16/2015 13:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.0 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.68
75-34-3	1,1-Dichloroethane	ND		5.2	0.63
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.25
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.50
108-90-7	Chlorobenzene	ND	*	5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.31
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.66
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND	*	5.2	0.66
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S1 | Lab Sample ID: 480-92542-4

Matrix: Solid | Lab File ID: F3205.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:25

Sample wt/vol: 5.12(g) | Date Analyzed: 12/16/2015 13:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.0 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	ND	*	5.2	0.70
108-88-3	Toluene	ND	*	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	ND		5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.63
1330-20-7	Xylenes, Total	ND		10	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	45	X *	72-126
2037-26-5	Toluene-d8 (Surr)	122	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3205.D
Lims ID: 480-92542-A-4-C Lab Sample ID: 480-92542-4
Client ID: B32-AREA2-S1
Sample Type: Client
Inject. Date: 16-Dec-2015 13:03:30 ALS Bottle#: 4 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-4-C
Misc. Info.: 480-0049277-011
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:10:36 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:12:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.382	-0.006	99	103147	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	130656	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	51862	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	72548	50.9	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	328839	60.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.416	-0.001	89	38612	22.5	
10 Dichlorodifluoromethane	85		1.908				ND	
12 Chloromethane	50		2.060				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101				ND	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43		3.180				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.508	3.508	0.000	82	7855	0.5466	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.025				ND	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96		4.476				ND	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95		5.686				ND	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.148				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166		7.341				ND	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.405				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

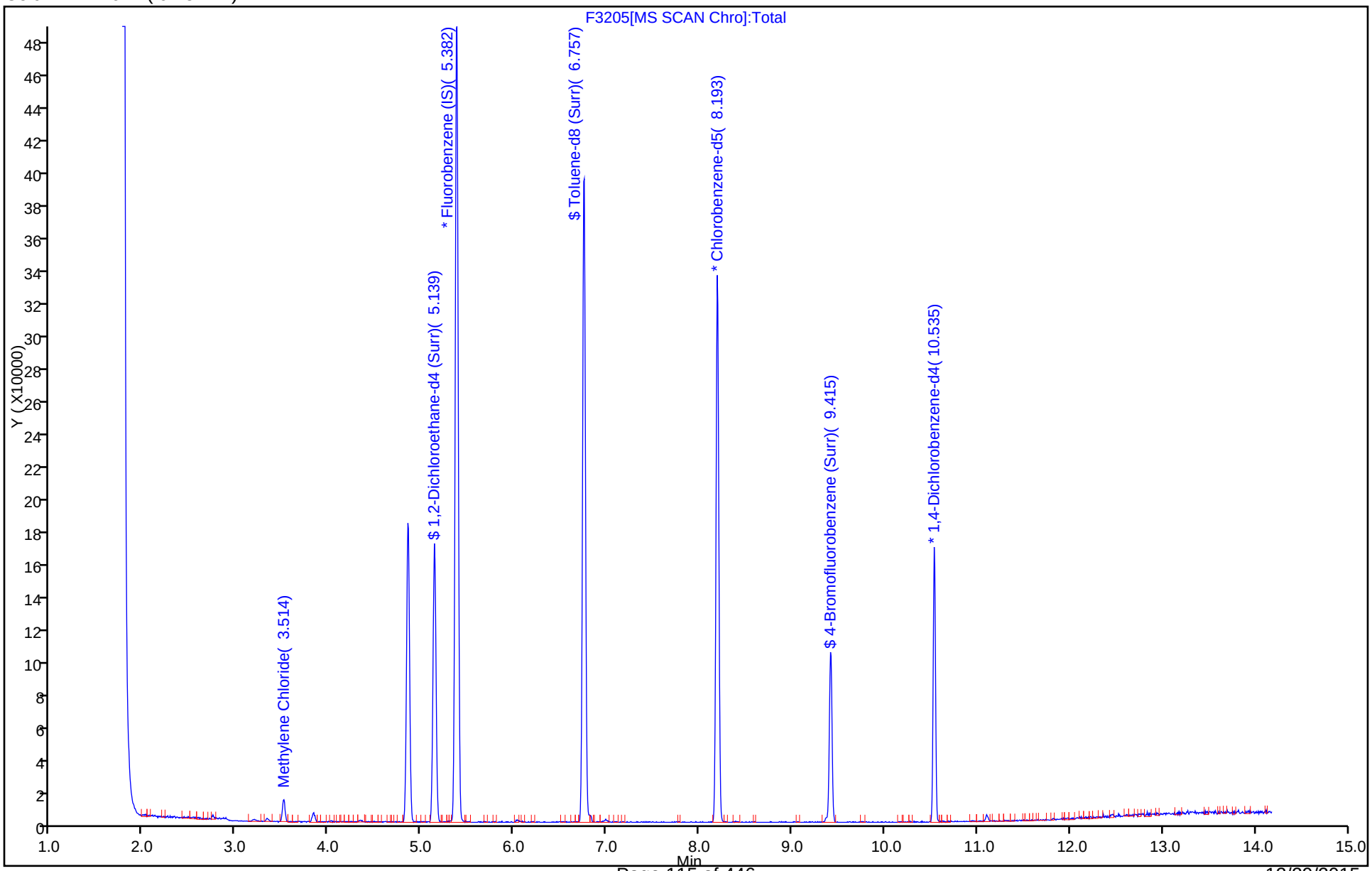
Report Date: 16-Dec-2015 18:12:14 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3205.D

Injection Date:	16-Dec-2015 13:03:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-4-C	Lab Sample ID:	480-92542-4	Worklist Smp#:	11
Client ID:	B32-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S2 | Lab Sample ID: 480-92542-5

Matrix: Solid | Lab File ID: F3206.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:30

Sample wt/vol: 5.07(g) | Date Analyzed: 12/16/2015 13:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F2 F1	5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	F2 F1 *	5.3	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND	F2 F1 *	5.3	0.69
75-34-3	1,1-Dichloroethane	ND	F2 F1	5.3	0.65
75-35-4	1,1-Dichloroethene	ND	F2	5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	F2 F1 *	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F1 *	5.3	2.7
106-93-4	1,2-Dibromoethane	ND	F1 *	5.3	0.69
95-50-1	1,2-Dichlorobenzene	ND	F1 *	5.3	0.42
107-06-2	1,2-Dichloroethane	ND	F1	5.3	0.27
78-87-5	1,2-Dichloropropane	ND	F1	5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND	F1 *	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	F1 *	5.3	0.75
78-93-3	2-Butanone (MEK)	ND	F1	27	2.0
591-78-6	2-Hexanone	ND	F1 *	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	F2 F1 *	27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND	F1	5.3	0.26
75-27-4	Bromodichloromethane	ND	F1	5.3	0.72
75-25-2	Bromoform	ND	F1 *	5.3	2.7
74-83-9	Bromomethane	ND	F2	5.3	0.48
75-15-0	Carbon disulfide	ND	F2 F1	5.3	2.7
56-23-5	Carbon tetrachloride	ND	F1	5.3	0.52
108-90-7	Chlorobenzene	ND	F1 *	5.3	0.71
75-00-3	Chloroethane	ND	F2 F1	5.3	1.2
67-66-3	Chloroform	ND	F1	5.3	0.33
74-87-3	Chloromethane	ND	F2	5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND	F1	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND	F1	5.3	0.77
110-82-7	Cyclohexane	ND	F1	5.3	0.75
124-48-1	Dibromochloromethane	ND	F2 F1 *	5.3	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S2 | Lab Sample ID: 480-92542-5

Matrix: Solid | Lab File ID: F3206.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:30

Sample wt/vol: 5.07(g) | Date Analyzed: 12/16/2015 13:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	ND	F2	5.3	0.44
100-41-4	Ethylbenzene	ND	F1 *	5.3	0.37
98-82-8	Isopropylbenzene	ND	F2 F1 *	5.3	0.81
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND	F1	5.3	0.81
75-09-2	Methylene Chloride	2.9	J F2	5.3	2.5
100-42-5	Styrene	ND	F2 F1 *	5.3	0.27
127-18-4	Tetrachloroethene	ND	F2 F1 *	5.3	0.72
108-88-3	Toluene	ND	F2 F1 *	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND	F2 F1	5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND	F1 *	5.3	2.4
79-01-6	Trichloroethene	ND	F1	5.3	1.2
75-69-4	Trichlorofluoromethane	ND	F2	5.3	0.51
75-01-4	Vinyl chloride	ND	F2	5.3	0.65
1330-20-7	Xylenes, Total	ND	F1	11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	34	X *	72-126
2037-26-5	Toluene-d8 (Surr)	121	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3206.D
Lims ID: 480-92542-A-5-E Lab Sample ID: 480-92542-5
Client ID: B32-AREA2-S2
Sample Type: Client
Inject. Date: 16-Dec-2015 13:29:30 ALS Bottle#: 5 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-5-E
Misc. Info.: 480-0049277-012
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:10:36 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:12:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.382	-0.006	99	83846	50.0	
* 2 Chlorobenzene-d5	82	8.199	8.193	0.006	86	80325	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	33534	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	58818	50.8	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	94	201306	60.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.416	0.006	90	18180	17.2	
10 Dichlorodifluoromethane	85		1.908				ND	
12 Chloromethane	50		2.060				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101				ND	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43		3.180				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.514	3.508	0.006	82	11693	2.69	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.025				ND	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96		4.476				ND	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95		5.686				ND	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.148				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166		7.341				ND	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.405				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

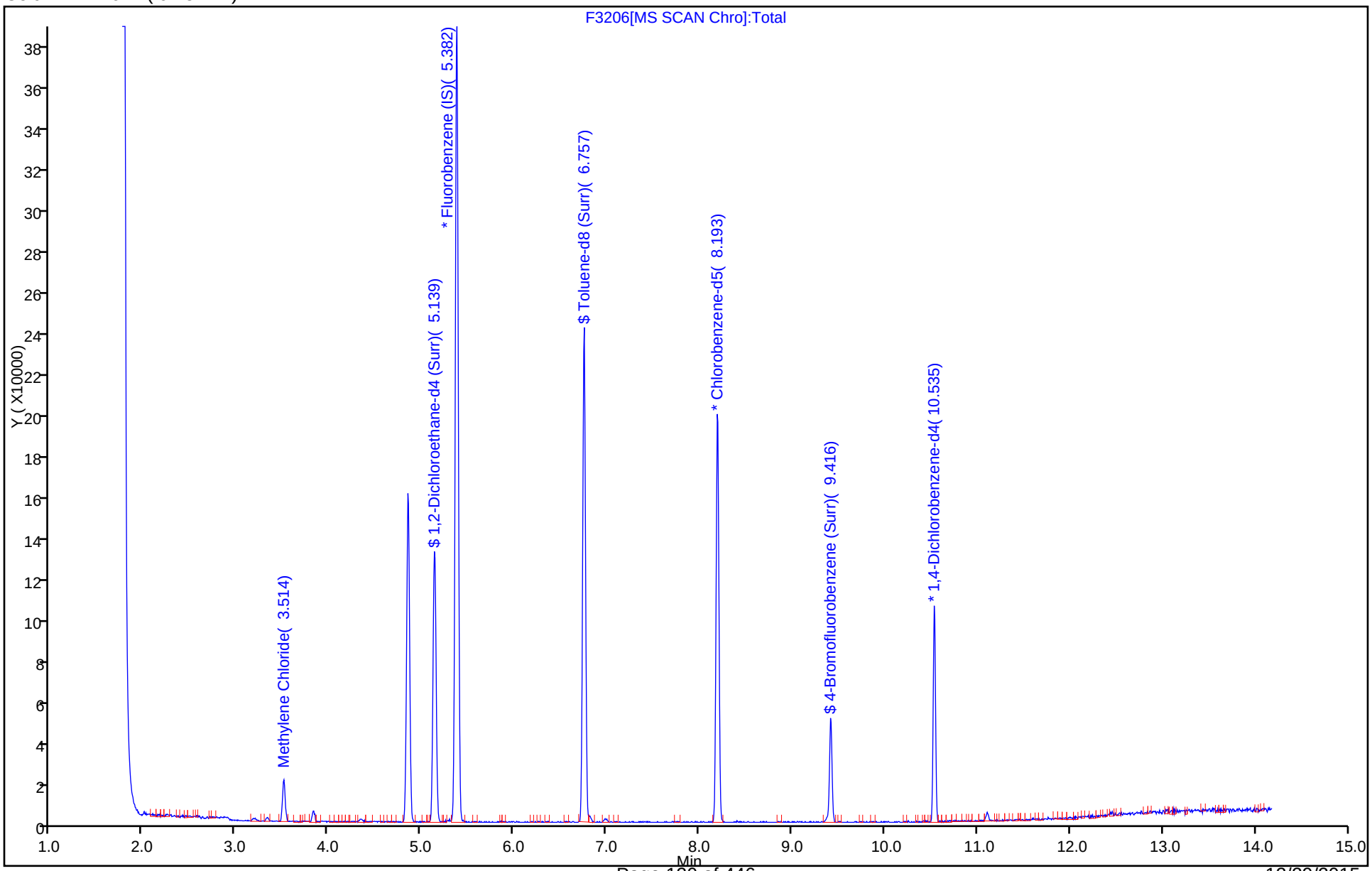
Report Date: 16-Dec-2015 18:12:50 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3206.D

Injection Date:	16-Dec-2015 13:29:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-5-E	Lab Sample ID:	480-92542-5	Worklist Smp#:	12
Client ID:	B32-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

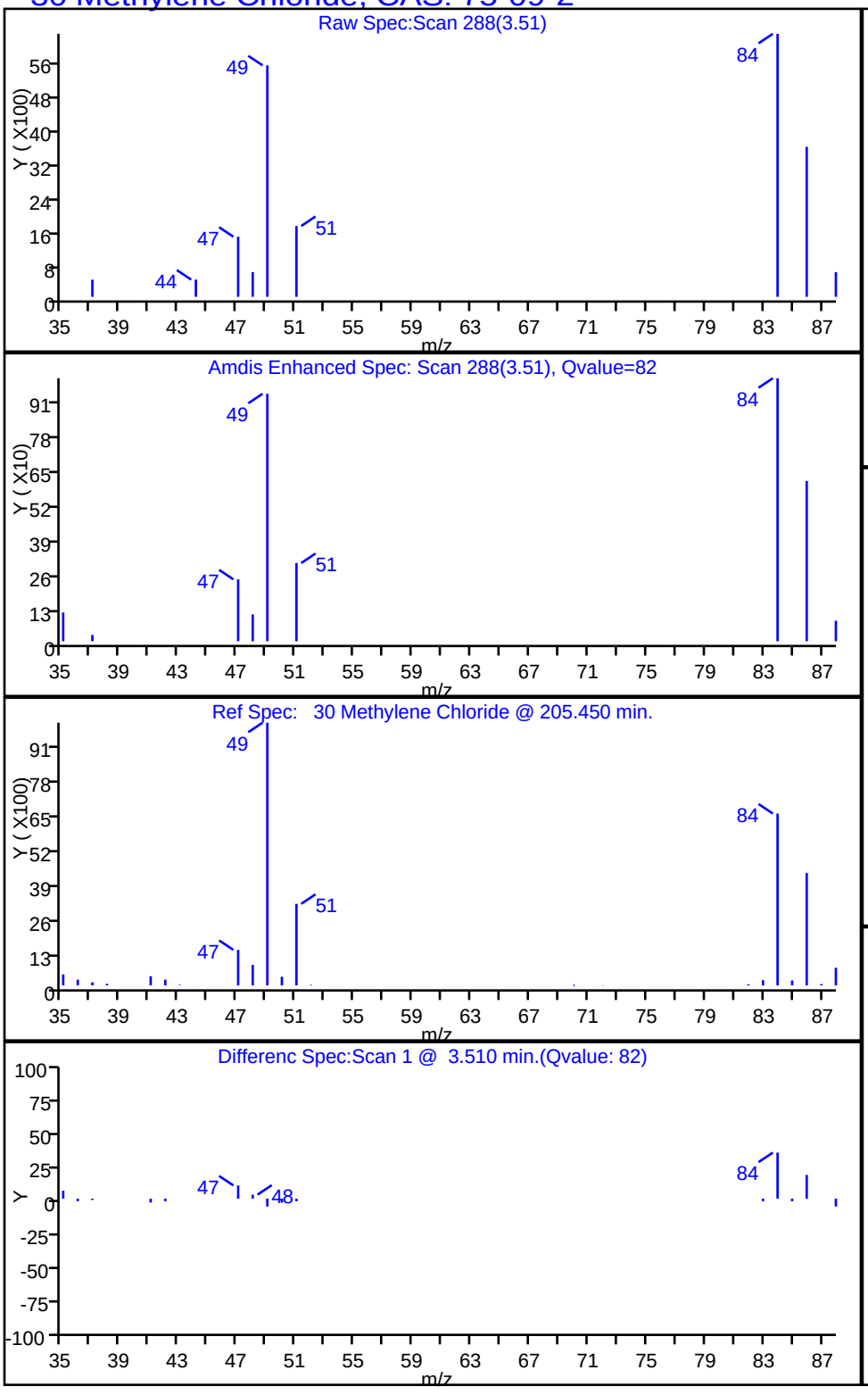


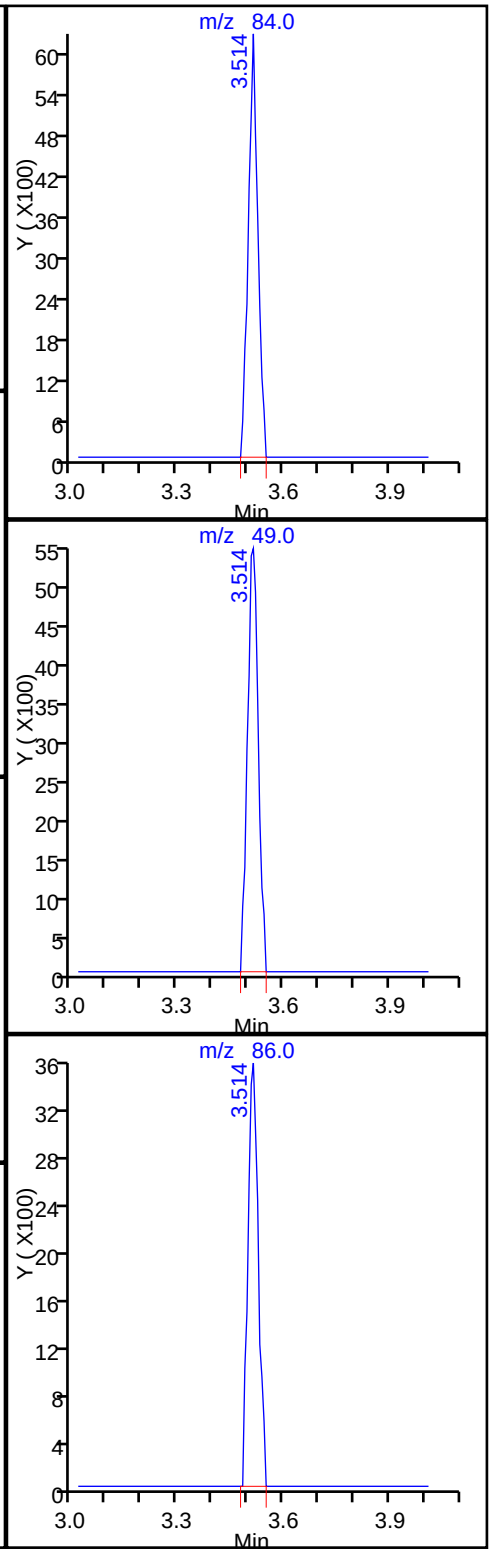
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3206.D

Injection Date:	16-Dec-2015 13:29:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-5-E	Lab Sample ID:	480-92542-5		
Client ID:	B32-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B33-AREA2-S1 | Lab Sample ID: 480-92542-6

Matrix: Solid | Lab File ID: S6471.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:50

Sample wt/vol: 5.07(g) | Date Analyzed: 12/22/2015 17:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		110	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		110	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	55
79-00-5	1,1,2-Trichloroethane	ND		110	23
75-34-3	1,1-Dichloroethane	6000		110	34
75-35-4	1,1-Dichloroethene	ND		110	38
120-82-1	1,2,4-Trichlorobenzene	ND		110	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		110	55
106-93-4	1,2-Dibromoethane	ND		110	19
95-50-1	1,2-Dichlorobenzene	ND		110	28
107-06-2	1,2-Dichloroethane	ND		110	45
78-87-5	1,2-Dichloropropane	ND		110	18
541-73-1	1,3-Dichlorobenzene	ND		110	29
106-46-7	1,4-Dichlorobenzene	ND		110	15
78-93-3	2-Butanone (MEK)	ND		550	330
591-78-6	2-Hexanone	ND		550	220
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		550	35
67-64-1	Acetone	ND		550	450
71-43-2	Benzene	ND		110	21
75-27-4	Bromodichloromethane	ND		110	22
75-25-2	Bromoform	ND		110	55
74-83-9	Bromomethane	ND		110	24
75-15-0	Carbon disulfide	ND		110	50
56-23-5	Carbon tetrachloride	ND		110	28
108-90-7	Chlorobenzene	ND		110	14
75-00-3	Chloroethane	ND		110	23
67-66-3	Chloroform	ND		110	75
74-87-3	Chloromethane	ND		110	26
156-59-2	cis-1,2-Dichloroethene	1700		110	30
10061-01-5	cis-1,3-Dichloropropene	ND		110	26
110-82-7	Cyclohexane	ND		110	24
124-48-1	Dibromochloromethane	ND		110	53
75-71-8	Dichlorodifluoromethane	ND		110	48
100-41-4	Ethylbenzene	ND		110	32
98-82-8	Isopropylbenzene	ND		110	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B33-AREA2-S1 | Lab Sample ID: 480-92542-6

Matrix: Solid | Lab File ID: S6471.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:50

Sample wt/vol: 5.07(g) | Date Analyzed: 12/22/2015 17:53

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		110	52
1634-04-4	Methyl tert-butyl ether	ND		110	41
108-87-2	Methylcyclohexane	ND		110	51
75-09-2	Methylene Chloride	ND		110	22
100-42-5	Styrene	ND		110	26
127-18-4	Tetrachloroethene	ND		110	15
108-88-3	Toluene	ND		110	29
156-60-5	trans-1,2-Dichloroethene	ND		110	26
10061-02-6	trans-1,3-Dichloropropene	ND		110	11
79-01-6	Trichloroethene	570		110	30
75-69-4	Trichlorofluoromethane	ND		110	51
75-01-4	Vinyl chloride	ND		110	37
1330-20-7	Xylenes, Total	ND		220	61

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		53-146
460-00-4	4-Bromofluorobenzene (Surr)	90		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6471.D
Lims ID: 480-92542-A-6-B Lab Sample ID: 480-92542-6
Client ID: B33-AREA2-S1
Sample Type: Client
Inject. Date: 22-Dec-2015 17:53:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-6-B
Misc. Info.: 480-0049479-021
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 12:14:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: goliszekg Date: 23-Dec-2015 12:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	97	123526	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	245880	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	96	222966	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	92064	24.0	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	94	579132	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	169069	24.3	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.401				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.815				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.648				ND	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.734				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.141				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	85	683560	54.8	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	73	98928	15.8	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.137				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.751	-0.006	85	30677	5.24	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92		6.980				ND	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166		7.521				ND	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.941				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91		8.525				ND	
90 m-Xylene & p-Xylene	106	8.653	8.647	0.006	0	2219	0.2165	
91 o-Xylene	106		9.073				ND	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.334				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		0.2165	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

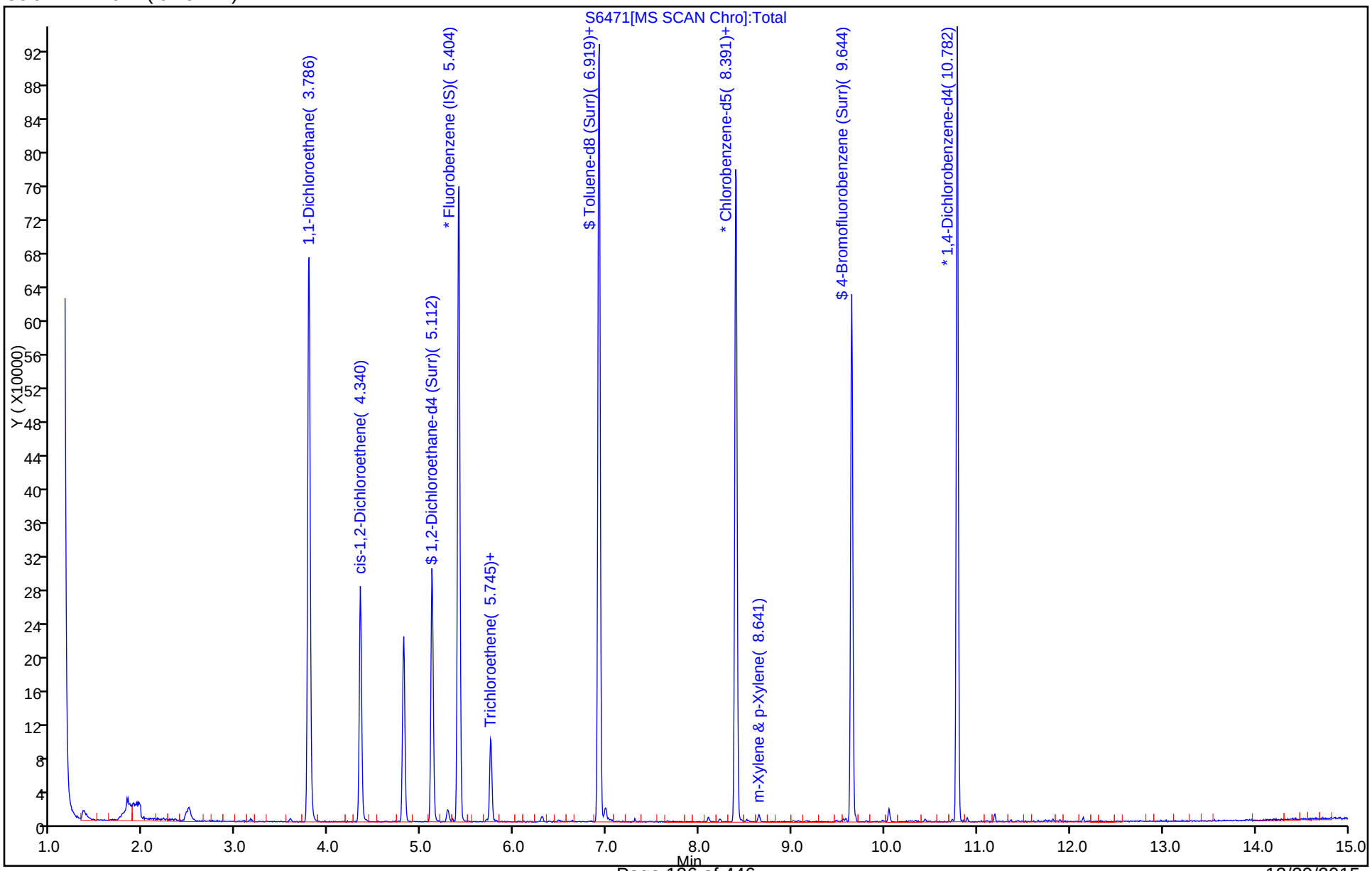
Report Date: 23-Dec-2015 12:17:44 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6471.D

Injection Date:	22-Dec-2015 17:53:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92542-A-6-B	Lab Sample ID:	480-92542-6	Worklist Smp#:	21
Client ID:	B33-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



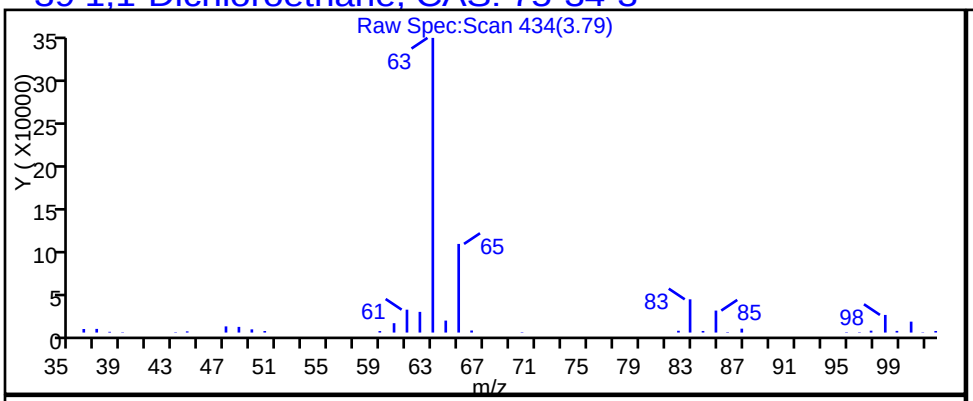
Report Date: 23-Dec-2015 12:17:44 Chrom Revision: 2.2 02-Dec-2015 11:51:48

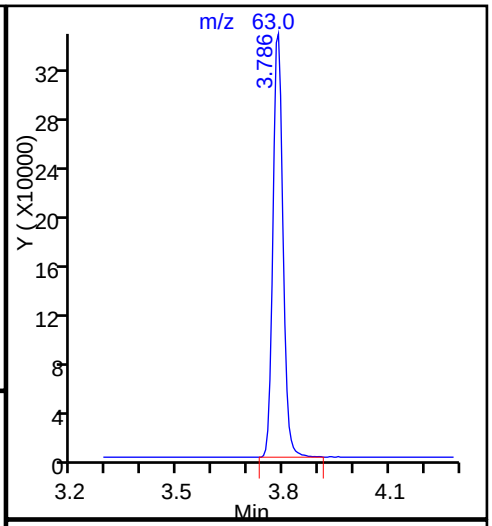
TestAmerica Buffalo

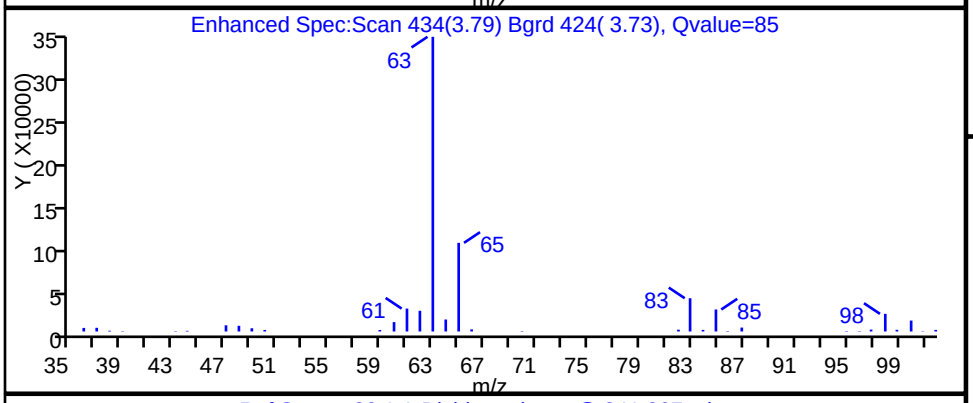
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6471.D

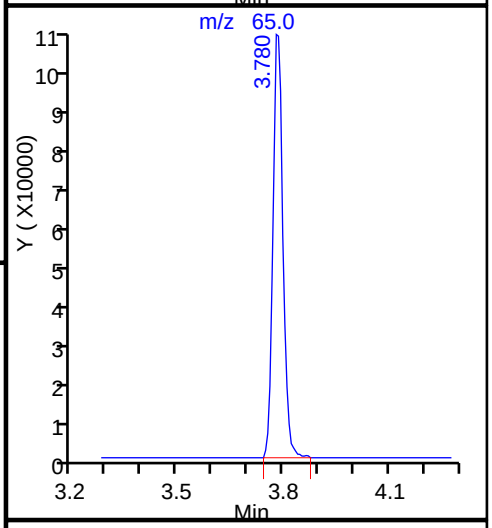
Injection Date:	22-Dec-2015 17:53:30	Instrument ID:	HP5973S		
Lims ID:	480-92542-A-6-B	Lab Sample ID:	480-92542-6		
Client ID:	B33-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

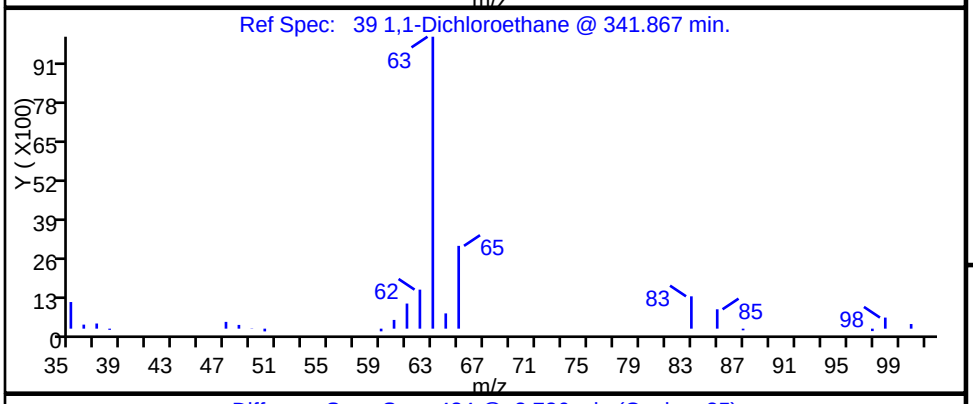
39 1,1-Dichloroethane, CAS: 75-34-3

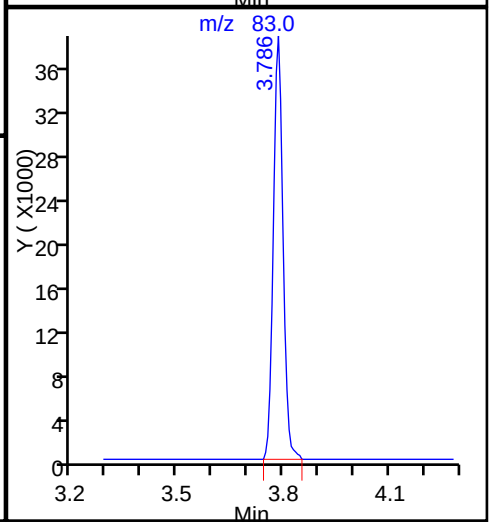


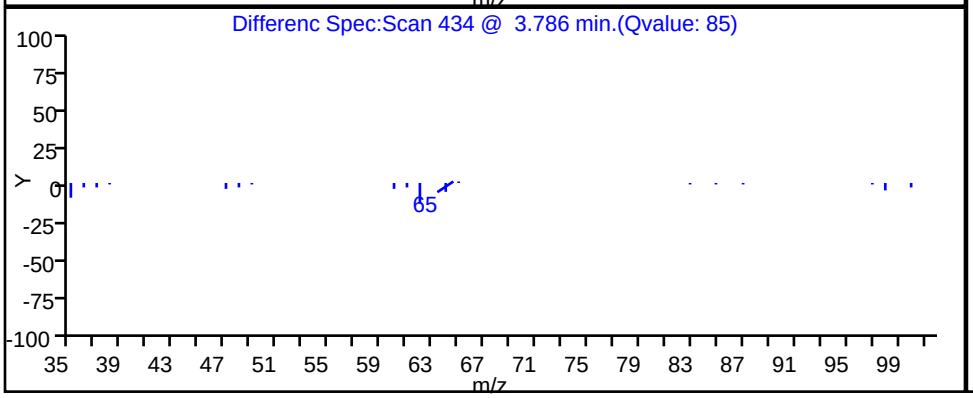








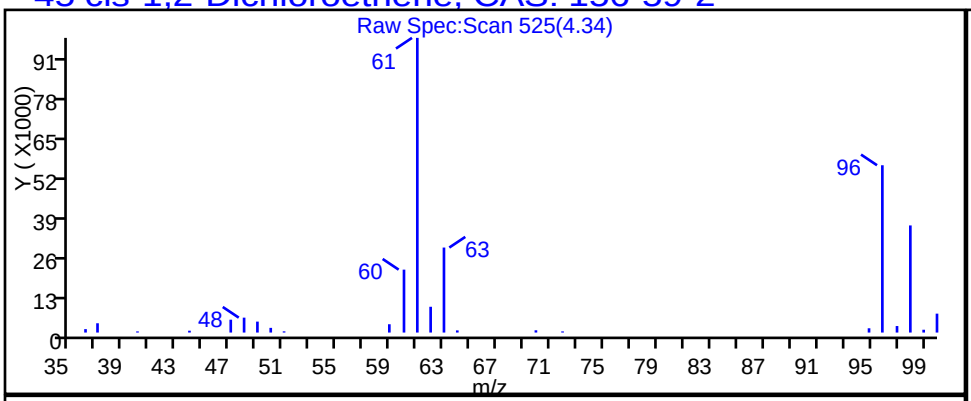


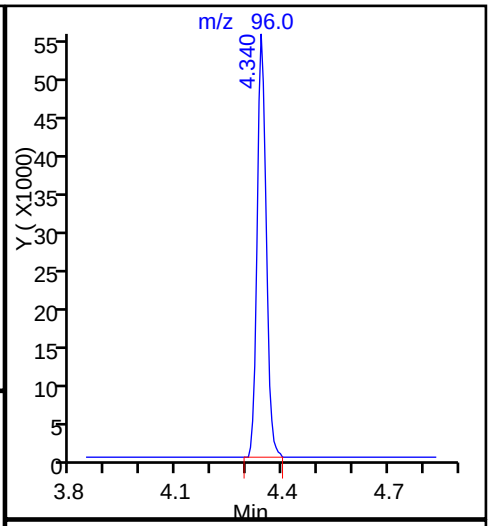


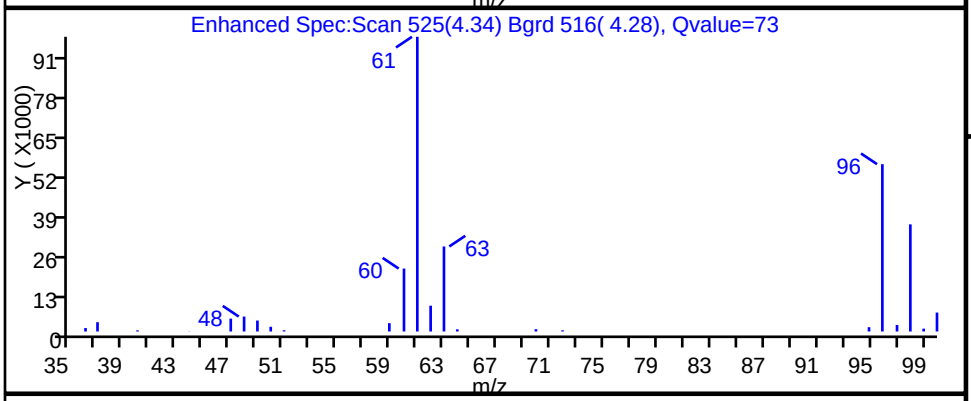
TestAmerica Buffalo

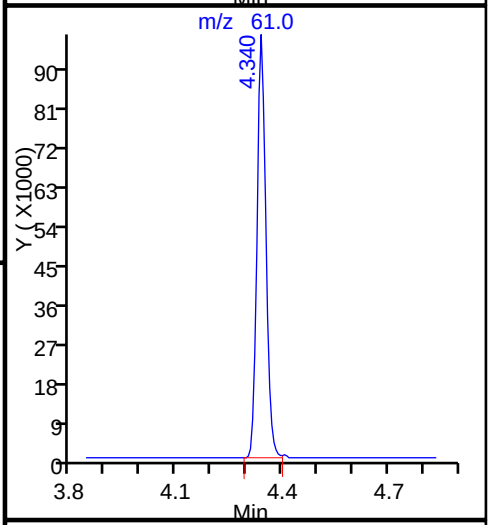
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6471.D				
Injection Date:	22-Dec-2015 17:53:30	Instrument ID:	HP5973S		
Lims ID:	480-92542-A-6-B	Lab Sample ID:	480-92542-6		
Client ID:	B33-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

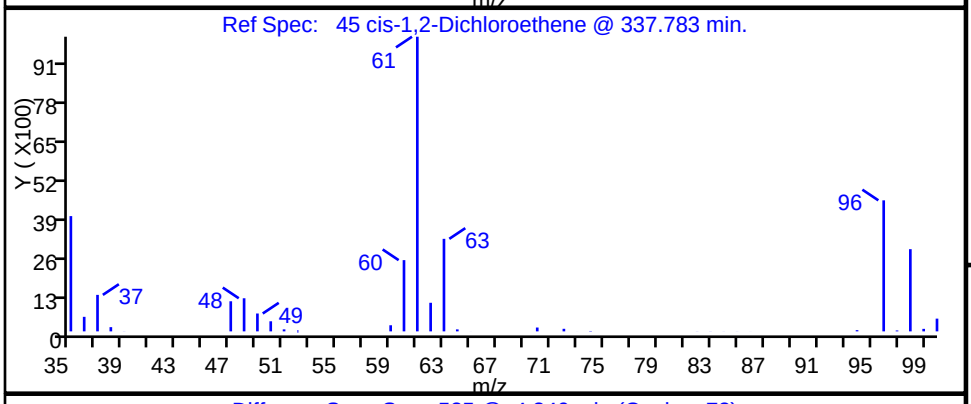
45 cis-1,2-Dichloroethene, CAS: 156-59-2

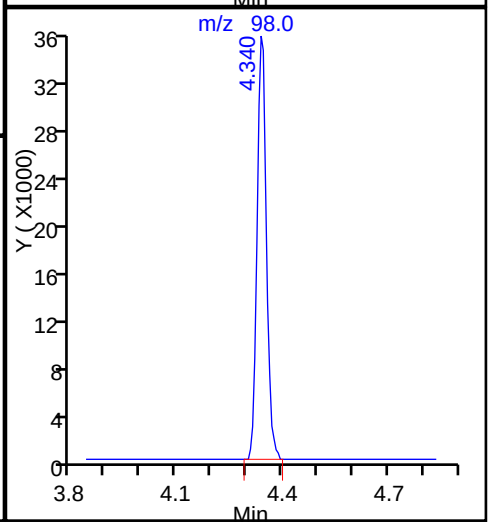


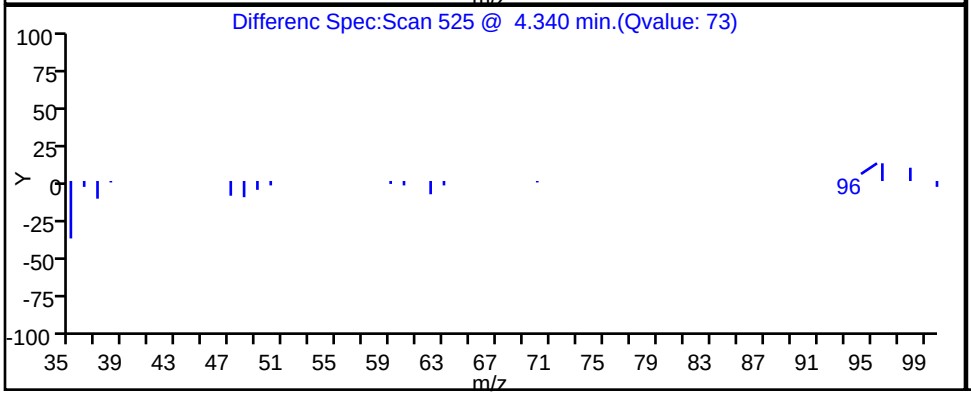








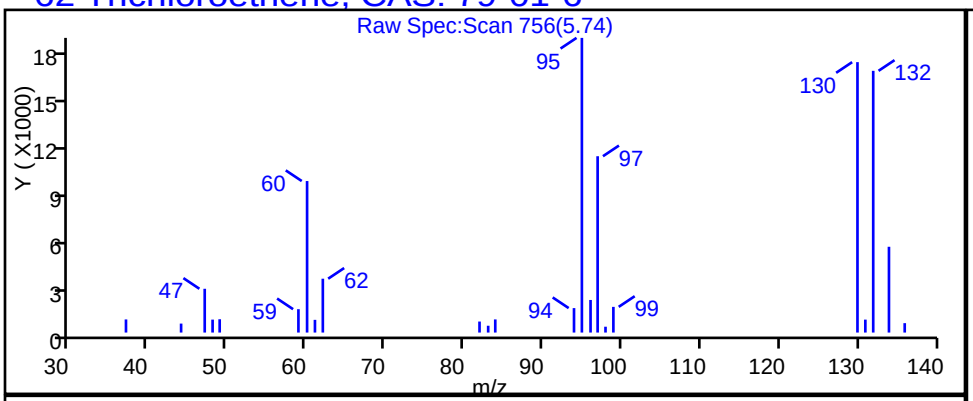


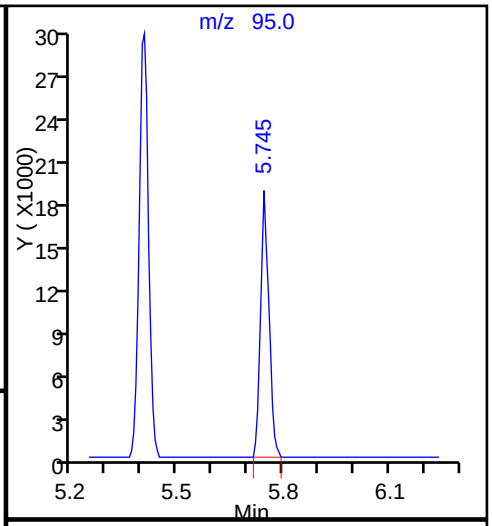


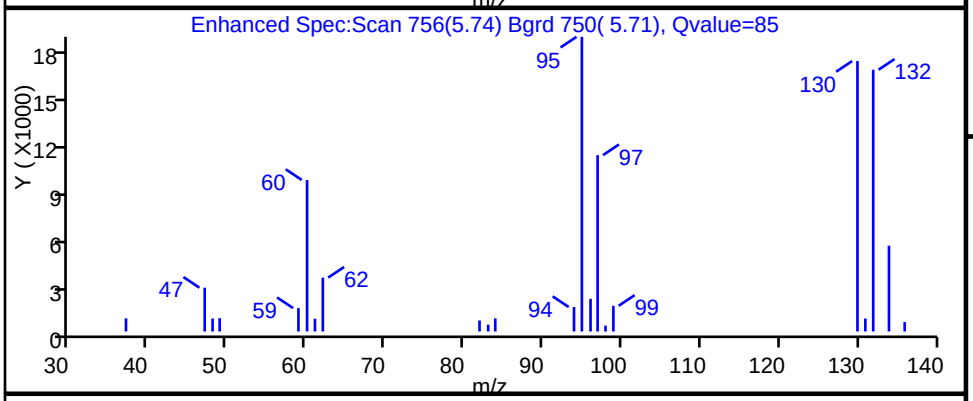
TestAmerica Buffalo

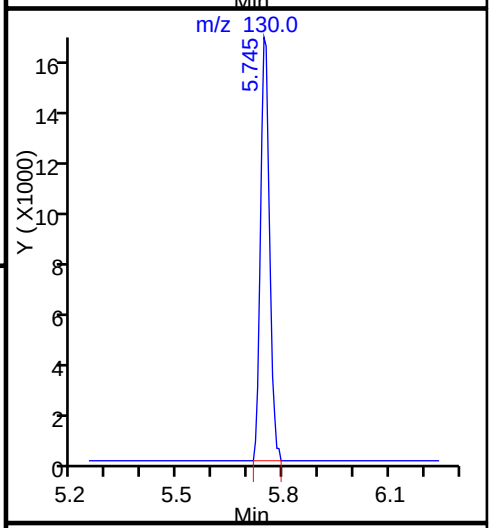
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6471.D				
Injection Date:	22-Dec-2015 17:53:30	Instrument ID:	HP5973S		
Lims ID:	480-92542-A-6-B	Lab Sample ID:	480-92542-6		
Client ID:	B33-AREA2-S1				
Operator ID:	gtg	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

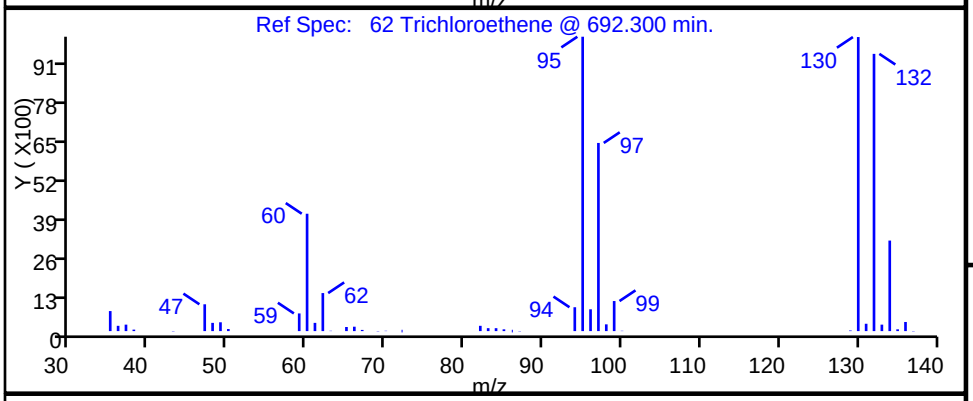
62 Trichloroethene, CAS: 79-01-6

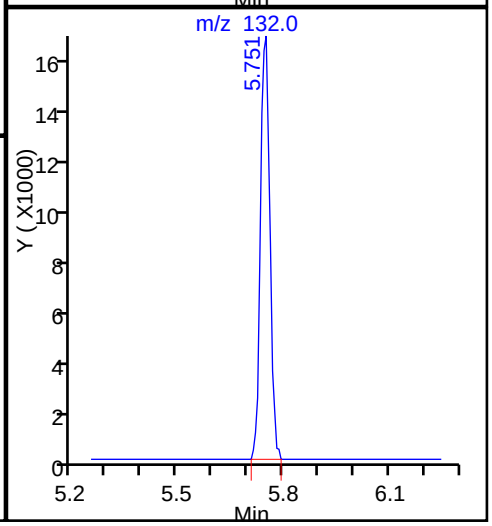


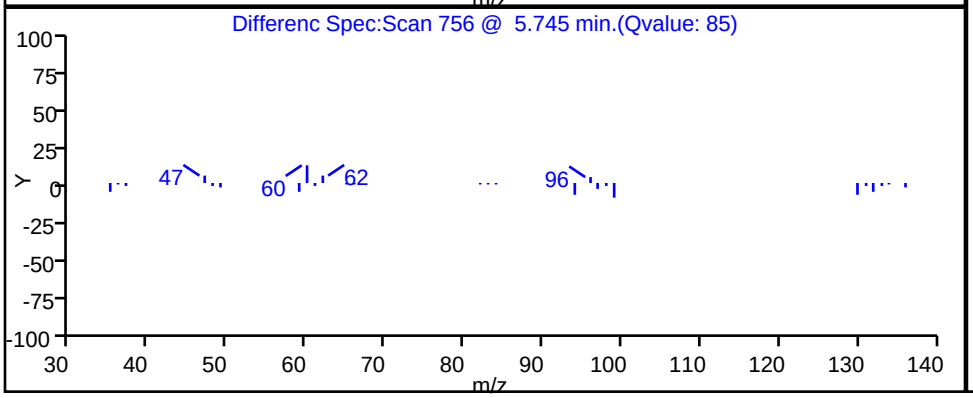












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B33-AREA2-S2 | Lab Sample ID: 480-92542-7

Matrix: Solid | Lab File ID: F3207.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:55

Sample wt/vol: 5.19(g) | Date Analyzed: 12/16/2015 13:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.6 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.37
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.67
75-34-3	1,1-Dichloroethane	ND		5.2	0.63
75-35-4	1,1-Dichloroethene	ND		5.2	0.63
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.66
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.40
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.72
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	ND		26	4.3
71-43-2	Benzene	ND		5.2	0.25
75-27-4	Bromodichloromethane	ND		5.2	0.69
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.46
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.50
108-90-7	Chlorobenzene	ND	*	5.2	0.68
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.31
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.66
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.74
110-82-7	Cyclohexane	ND		5.2	0.72
124-48-1	Dibromochloromethane	ND	*	5.2	0.66
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B33-AREA2-S2 | Lab Sample ID: 480-92542-7

Matrix: Solid | Lab File ID: F3207.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:55

Sample wt/vol: 5.19(g) | Date Analyzed: 12/16/2015 13:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.6 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.78
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	ND	*	5.2	0.69
108-88-3	Toluene	ND	*	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.53
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	ND		5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.63
1330-20-7	Xylenes, Total	ND		10	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	37	X *	72-126
2037-26-5	Toluene-d8 (Surr)	113	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3207.D
Lims ID: 480-92542-A-7-C Lab Sample ID: 480-92542-7
Client ID: B33-AREA2-S2
Sample Type: Client
Inject. Date: 16-Dec-2015 13:55:30 ALS Bottle#: 6 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-7-C
Misc. Info.: 480-0049277-013
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:10:36 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:17:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	81918	50.0	
* 2 Chlorobenzene-d5	82	8.192	8.193	-0.001	86	87213	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	40417	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.139	0.006	0	57334	50.7	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	204928	56.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.421	9.416	0.005	89	21287	18.6	
10 Dichlorodifluoromethane	85		1.908				ND	
12 Chloromethane	50		2.060				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101				ND	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43		3.180				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.514	3.508	0.006	89	9006	1.69	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.025				ND	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96		4.476				ND	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95		5.686				ND	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.148				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166		7.341				ND	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.405				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

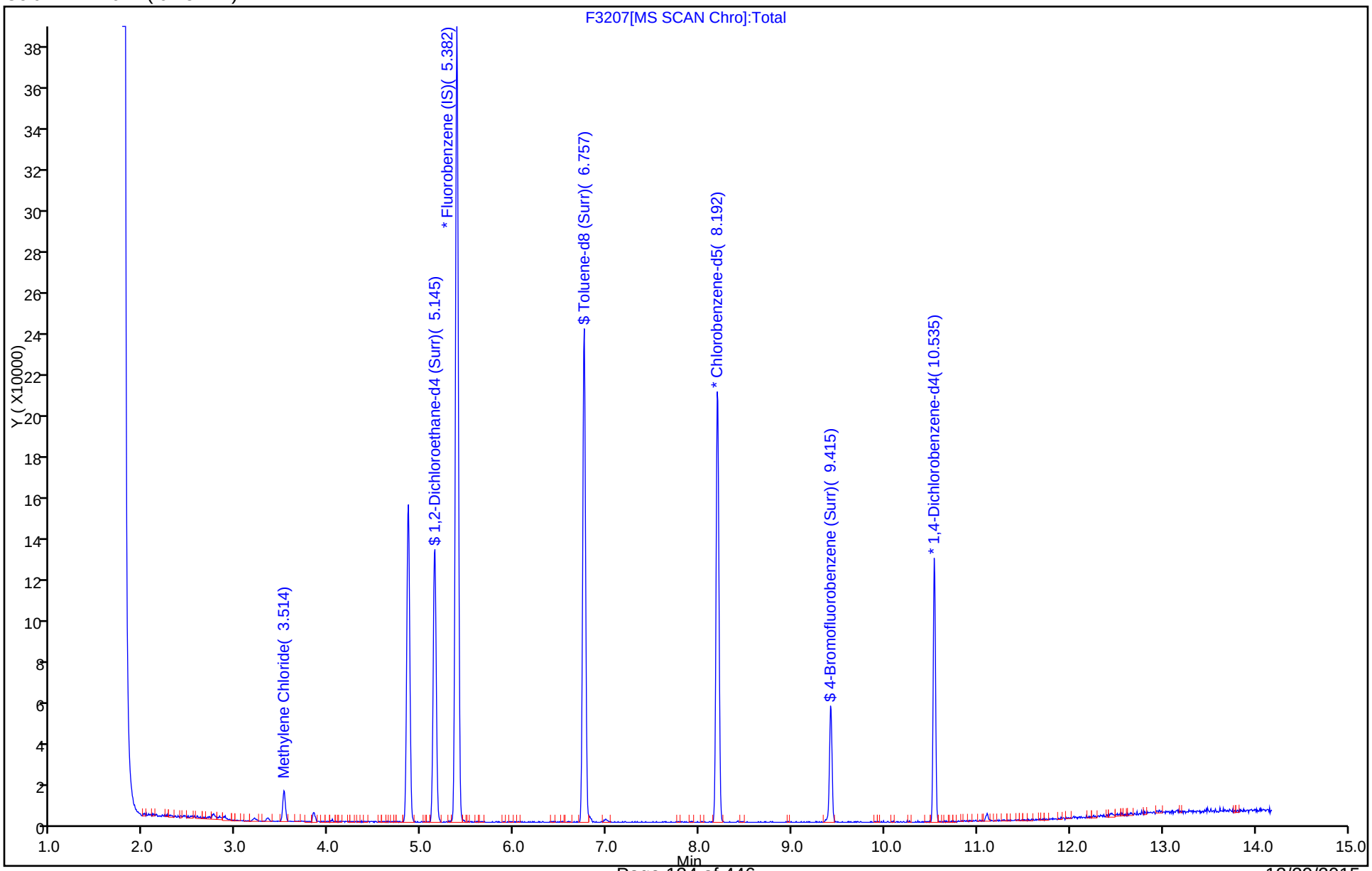
Report Date: 16-Dec-2015 18:17:09 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3207.D

Injection Date:	16-Dec-2015 13:55:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-7-C	Lab Sample ID:	480-92542-7	Worklist Smp#:	13
Client ID:	B33-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B34-AREA2-S1 | Lab Sample ID: 480-92542-8

Matrix: Solid | Lab File ID: F3208.D

Analysis Method: 8260C | Date Collected: 12/10/2015 08:50

Sample wt/vol: 5.02(g) | Date Analyzed: 12/16/2015 14:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.1 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.68
75-34-3	1,1-Dichloroethane	ND		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.51
108-90-7	Chlorobenzene	ND	*	5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.76
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND	*	5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B34-AREA2-S1 | Lab Sample ID: 480-92542-8

Matrix: Solid | Lab File ID: F3208.D

Analysis Method: 8260C | Date Collected: 12/10/2015 08:50

Sample wt/vol: 5.02(g) | Date Analyzed: 12/16/2015 14:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.1 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.52
108-87-2	Methylcyclohexane	ND		5.2	0.80
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	ND	*	5.2	0.70
108-88-3	Toluene	ND	*	5.2	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	ND		5.2	1.2
75-69-4	Trichlorofluoromethane	ND		5.2	0.50
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		64-126
460-00-4	4-Bromofluorobenzene (Surr)	39	X *	72-126
2037-26-5	Toluene-d8 (Surr)	121	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3208.D
Lims ID: 480-92542-A-8-C Lab Sample ID: 480-92542-8
Client ID: B34-AREA2-S1
Sample Type: Client
Inject. Date: 16-Dec-2015 14:20:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-8-C
Misc. Info.: 480-0049277-014
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:10:36 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:17:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	95071	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	110709	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	44091	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	65700	50.0	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	94	276955	60.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.421	9.416	0.005	91	28275	19.4	
10 Dichlorodifluoromethane	85		1.908				ND	
12 Chloromethane	50		2.060				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101				ND	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43		3.180				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.508	3.508	0.000	84	10026	1.54	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63		4.025				ND	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96		4.476				ND	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95		5.686				ND	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.148				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166		7.341				ND	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.405				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

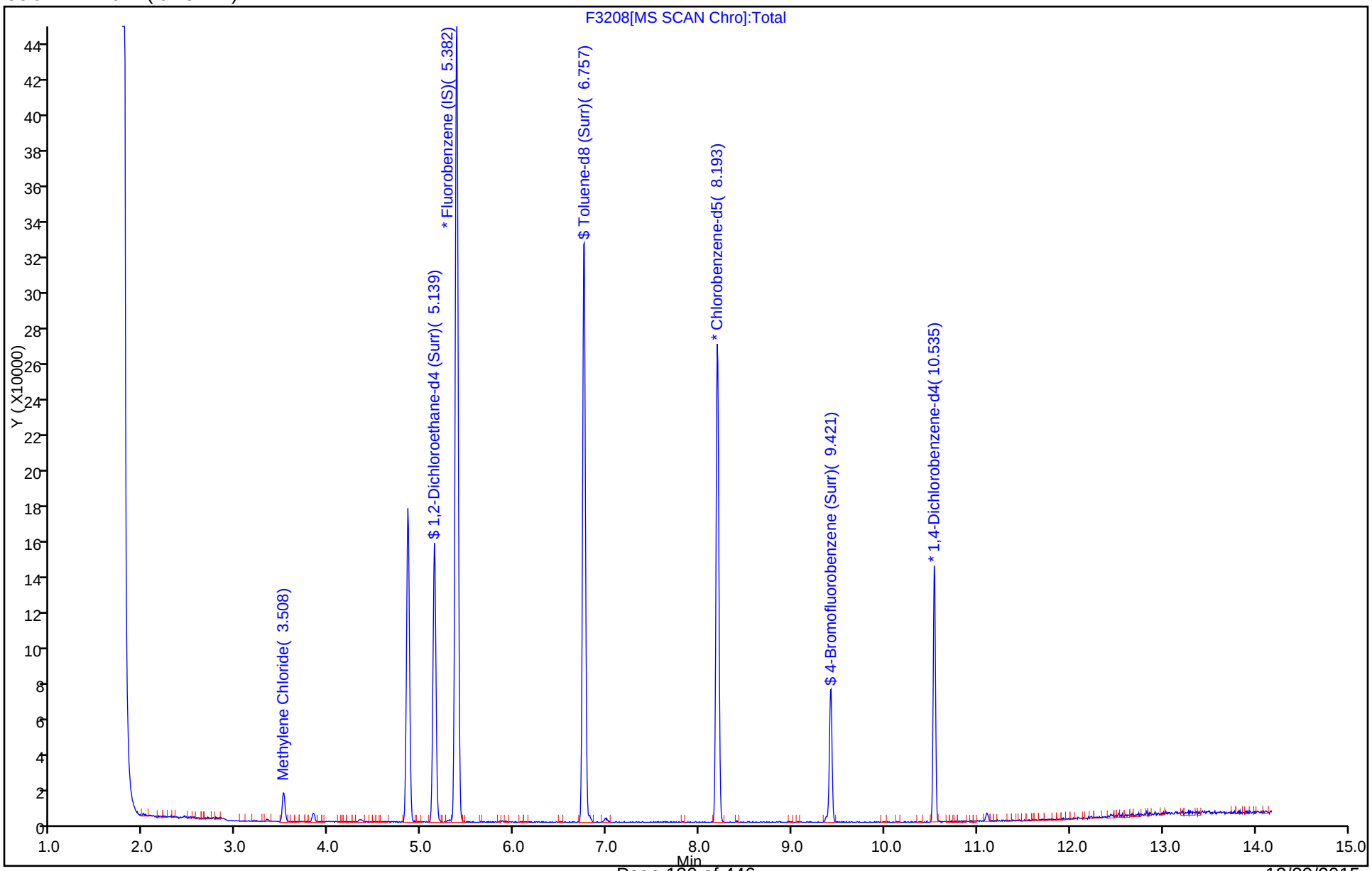
Report Date: 16-Dec-2015 18:17:43 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3208.D

Injection Date:	16-Dec-2015 14:20:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-8-C	Lab Sample ID:	480-92542-8	Worklist Smp#:	14
Client ID:	B34-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B-AREA2-DUP3 | Lab Sample ID: 480-92542-9

Matrix: Solid | Lab File ID: F3209.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:10

Sample wt/vol: 5.16(g) | Date Analyzed: 12/16/2015 14:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.68
75-34-3	1,1-Dichloroethane	4.1	J	5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.50
108-90-7	Chlorobenzene	ND	*	5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.31
156-59-2	cis-1,2-Dichloroethene	2.4	J	5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND	*	5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B-AREA2-DUP3 | Lab Sample ID: 480-92542-9

Matrix: Solid | Lab File ID: F3209.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:10

Sample wt/vol: 5.16(g) | Date Analyzed: 12/16/2015 14:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	2.8	J	5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	ND	*	5.2	0.70
108-88-3	Toluene	ND	*	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	2.7	J	5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
460-00-4	4-Bromofluorobenzene (Surr)	41	X *	72-126
2037-26-5	Toluene-d8 (Surr)	116	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3209.D
Lims ID: 480-92542-A-9-E Lab Sample ID: 480-92542-9
Client ID: B-AREA2-DUP3
Sample Type: Client
Inject. Date: 16-Dec-2015 14:46:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-9-E
Misc. Info.: 480-0049277-015
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 18:10:36 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 18:19:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	84210	50.0	
* 2 Chlorobenzene-d5	82	8.199	8.193	0.006	86	98949	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	45327	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.139	0.006	0	56875	48.9	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	238540	58.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.416	-0.001	89	26736	20.5	
10 Dichlorodifluoromethane	85		1.908				ND	
12 Chloromethane	50		2.060				ND	
13 Vinyl chloride	62		2.176				ND	
14 Bromomethane	94		2.462				ND	
15 Chloroethane	64		2.529				ND	
17 Trichlorofluoromethane	101		2.711				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101				ND	
22 1,1-Dichloroethene	96		3.125				ND	
23 Acetone	43		3.180				ND	
26 Carbon disulfide	76		3.338				ND	
27 Methyl acetate	43		3.399				ND	
30 Methylene Chloride	84	3.520	3.508	0.012	87	11656	2.65	
32 Methyl tert-butyl ether	73		3.660				ND	
34 trans-1,2-Dichloroethene	96		3.697				ND	
39 1,1-Dichloroethane	63	4.025	4.025	0.000	95	17315	3.98	
43 2-Butanone (MEK)	43		4.469				ND	
45 cis-1,2-Dichloroethene	96	4.488	4.476	0.012	75	6576	2.29	
50 Chloroform	83		4.719				ND	
51 1,1,1-Trichloroethane	97		4.859				ND	
52 Cyclohexane	56		4.889				ND	
55 Carbon tetrachloride	117		4.987				ND	
57 Benzene	78		5.163				ND	
58 1,2-Dichloroethane	62		5.199				ND	
62 Trichloroethene	95	5.686	5.686	0.000	95	7205	2.60	
64 Methylcyclohexane	83		5.820				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.905				ND	
68 Dichlorobromomethane	83		6.148				ND	
72 cis-1,3-Dichloropropene	75		6.526				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623				ND	
74 Toluene	92		6.818				ND	
77 trans-1,3-Dichloropropene	75		7.043				ND	
79 1,1,2-Trichloroethane	83		7.237				ND	
81 Tetrachloroethene	166		7.341				ND	
80 2-Hexanone	43		7.414				ND	
83 Chlorodibromomethane	129		7.645				ND	
84 Ethylene Dibromide	107		7.773				ND	
87 Chlorobenzene	112		8.223				ND	
88 Ethylbenzene	91		8.290				ND	
90 m-Xylene & p-Xylene	106		8.405				ND	
91 o-Xylene	106		8.837				ND	
92 Styrene	104		8.856				ND	
95 Bromoform	173		9.129				ND	
94 Isopropylbenzene	105		9.202				ND	
97 1,1,2,2-Tetrachloroethane	83		9.580				ND	
111 1,3-Dichlorobenzene	146		10.480				ND	
113 1,4-Dichlorobenzene	146		10.559				ND	
116 1,2-Dichlorobenzene	146		10.906				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587				ND	
119 1,2,4-Trichlorobenzene	180		12.220				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

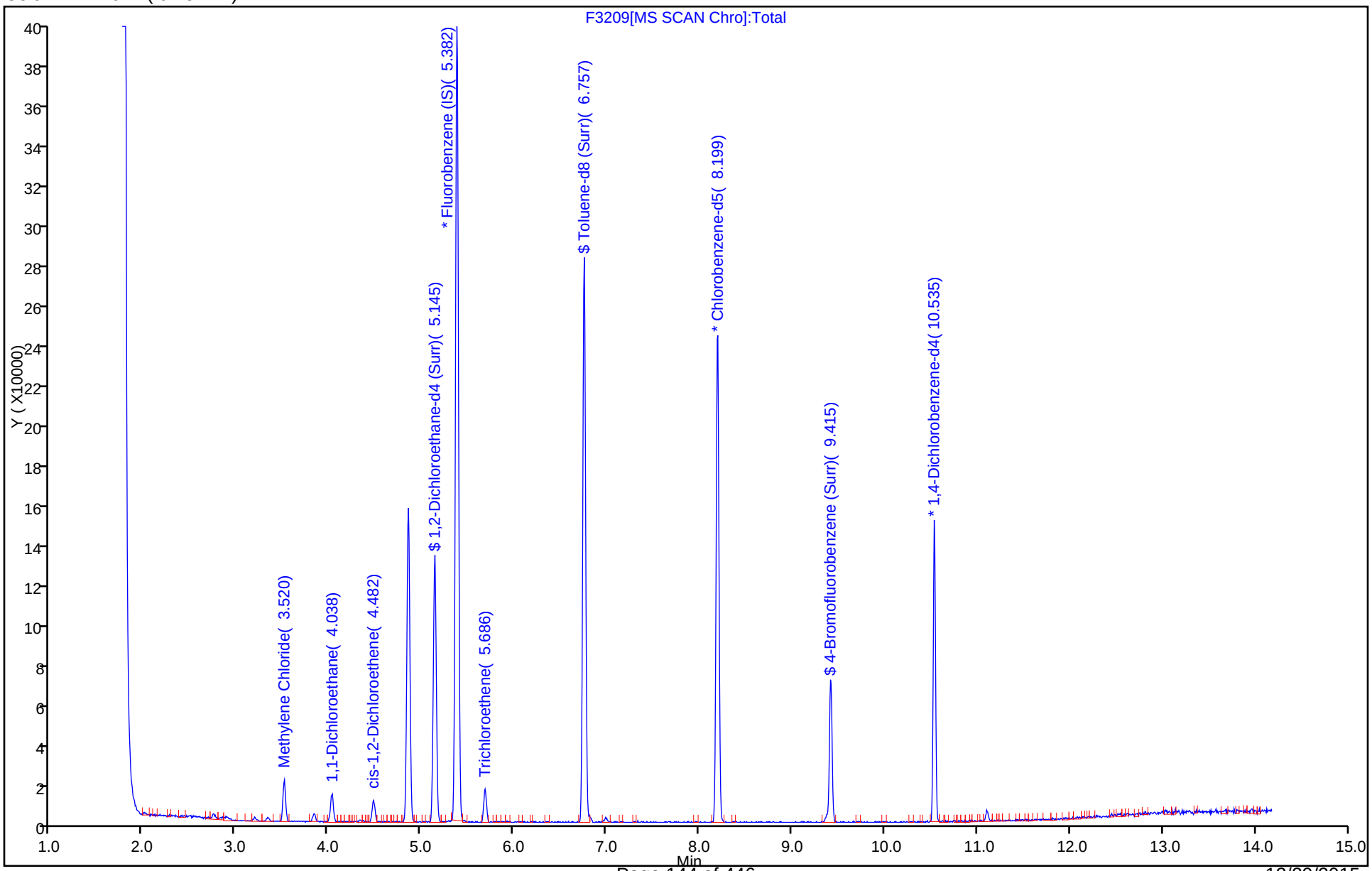
Report Date: 16-Dec-2015 18:19:26 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3209.D

Injection Date:	16-Dec-2015 14:46:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-9-E	Lab Sample ID:	480-92542-9	Worklist Smp#:	15
Client ID:	B-AREA2-DUP3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

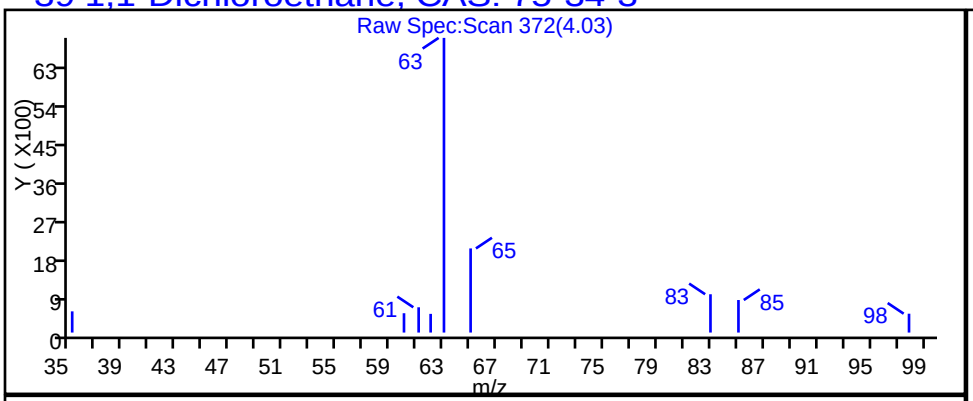


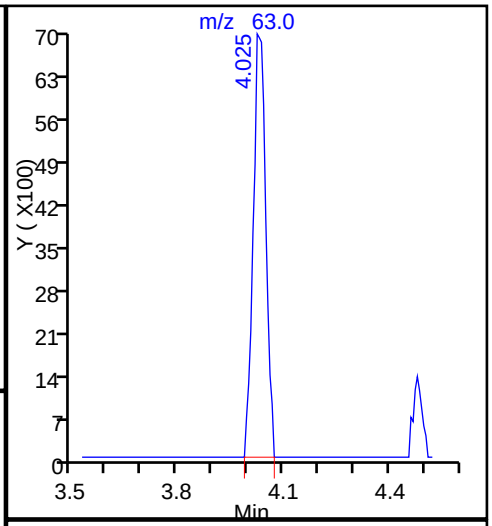
TestAmerica Buffalo

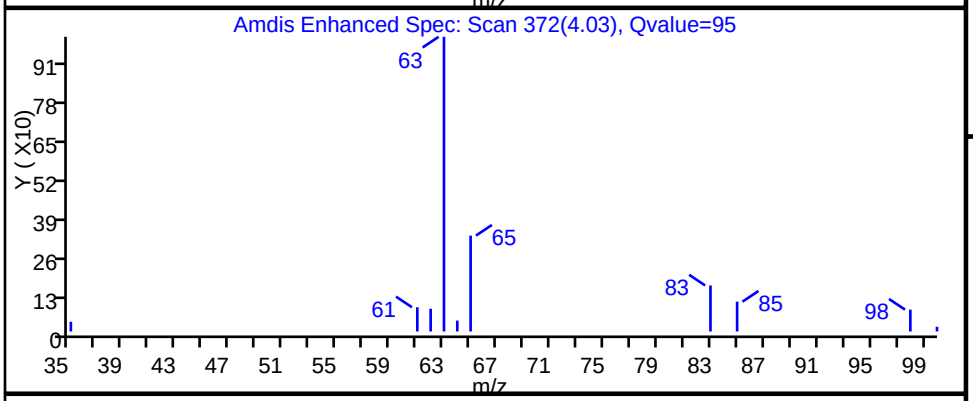
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3209.D

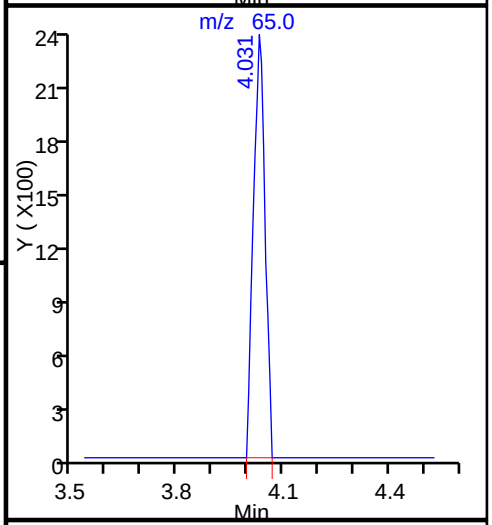
Injection Date:	16-Dec-2015 14:46:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-9-E	Lab Sample ID:	480-92542-9		
Client ID:	B-AREA2-DUP3				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

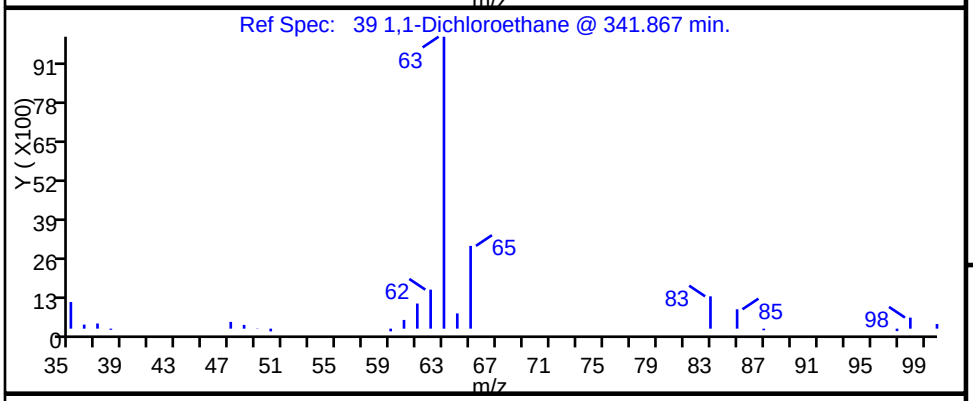
39 1,1-Dichloroethane, CAS: 75-34-3

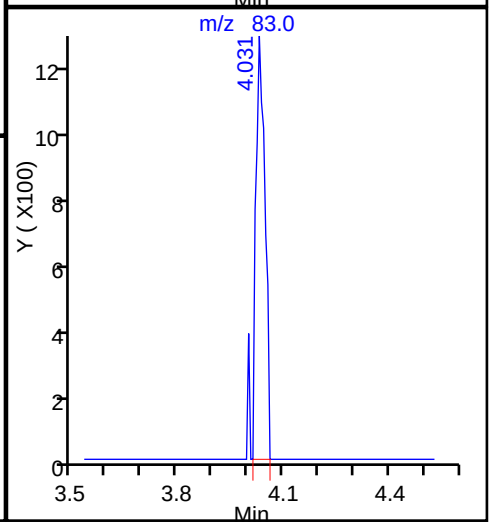


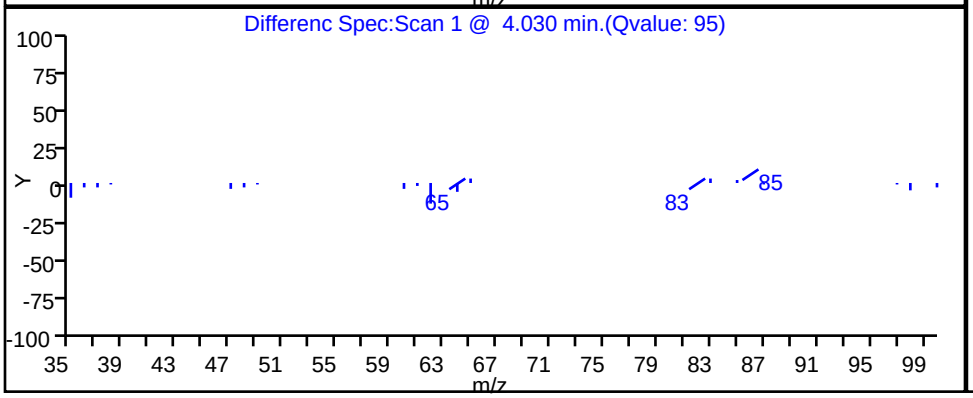








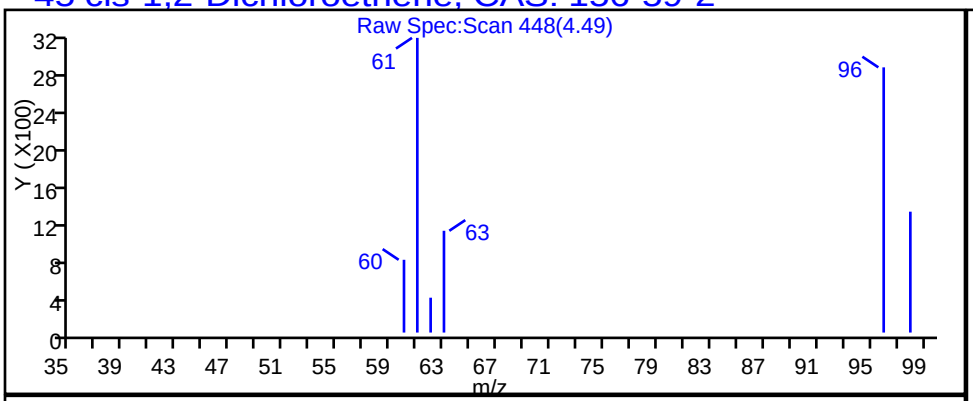


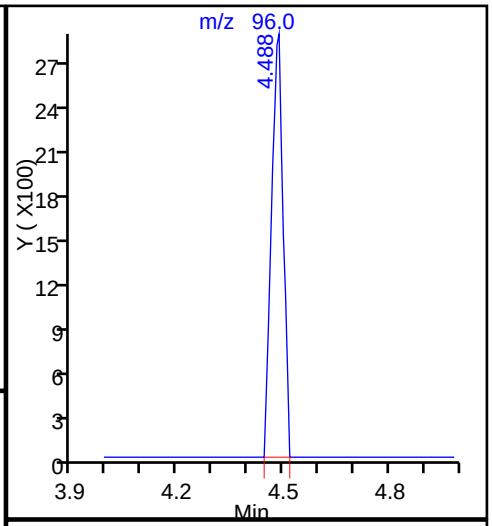


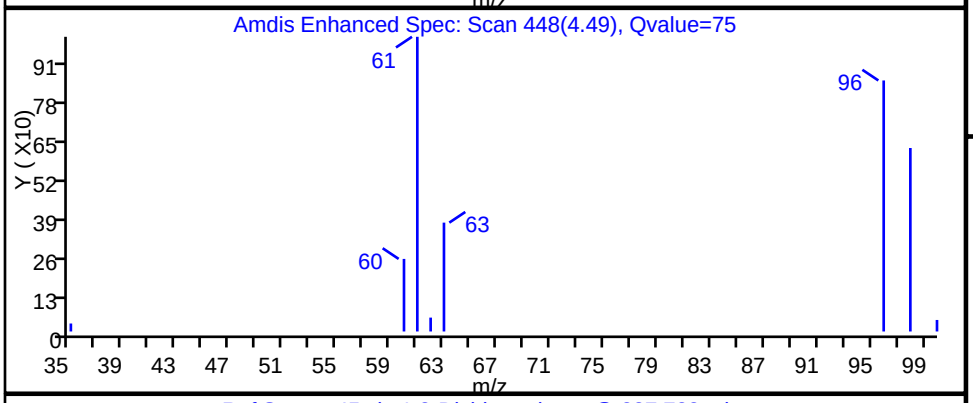
TestAmerica Buffalo

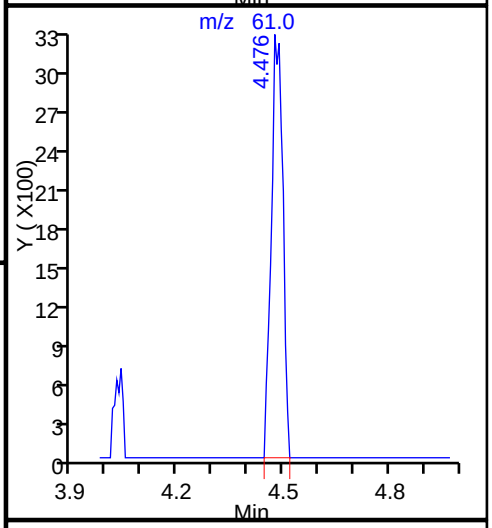
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3209.D				
Injection Date:	16-Dec-2015 14:46:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-9-E	Lab Sample ID:	480-92542-9		
Client ID:	B-AREA2-DUP3				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

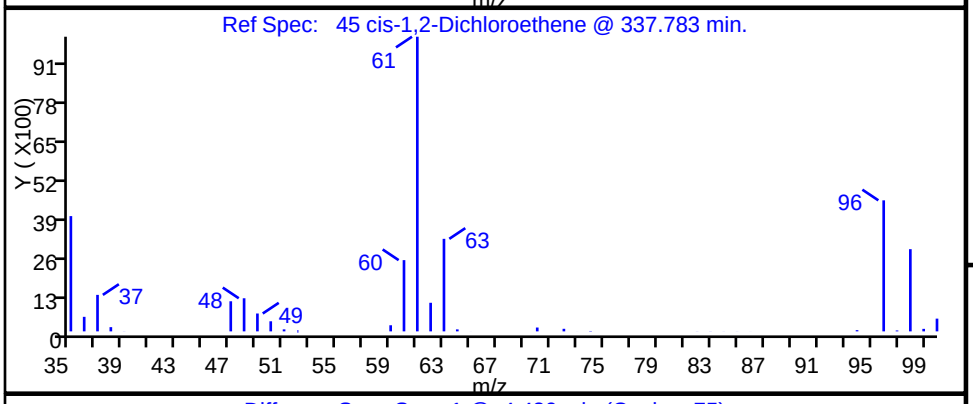
45 cis-1,2-Dichloroethene, CAS: 156-59-2

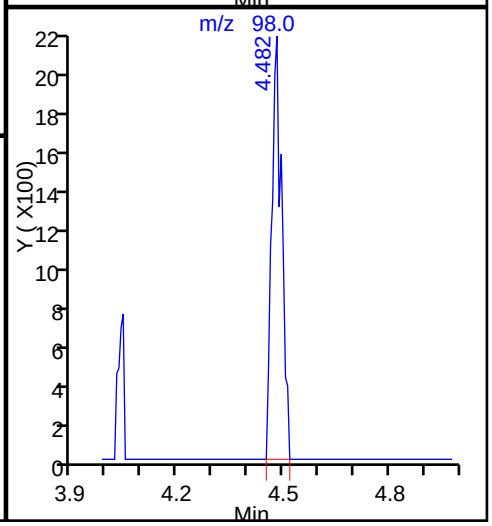


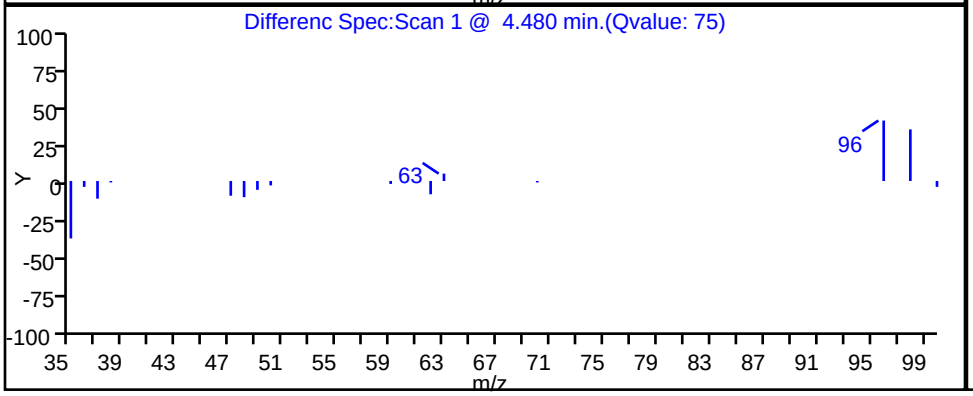








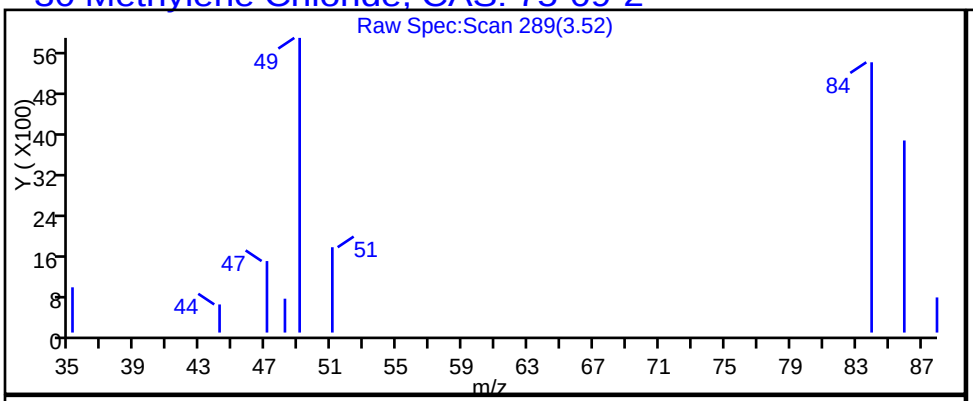


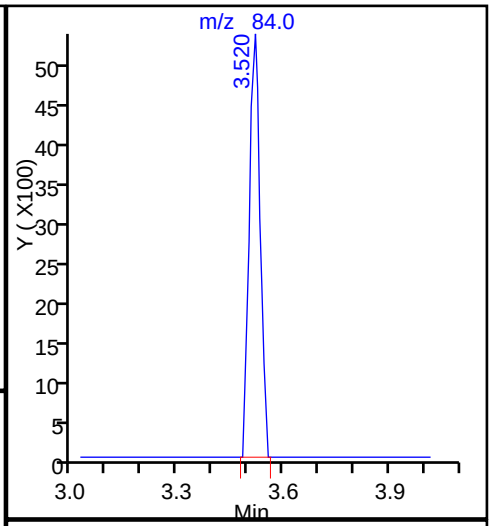


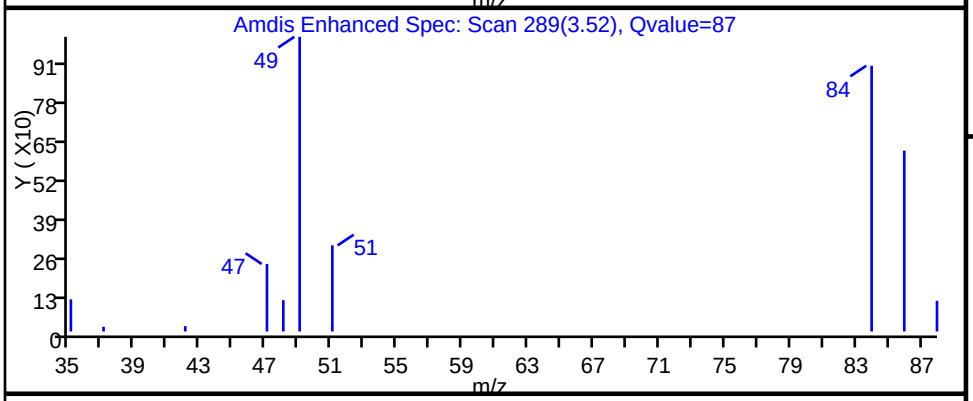
TestAmerica Buffalo

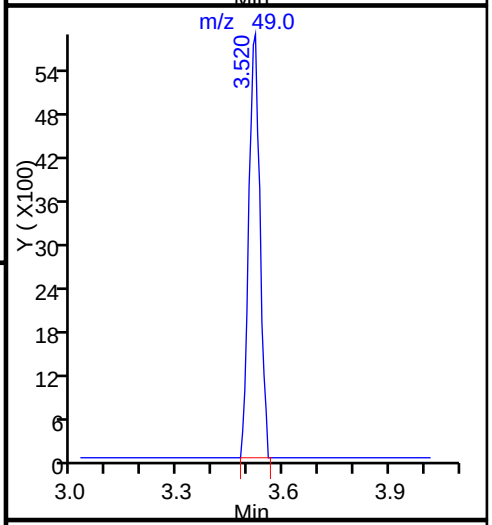
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3209.D				
Injection Date:	16-Dec-2015 14:46:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-9-E	Lab Sample ID:	480-92542-9		
Client ID:	B-AREA2-DUP3				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

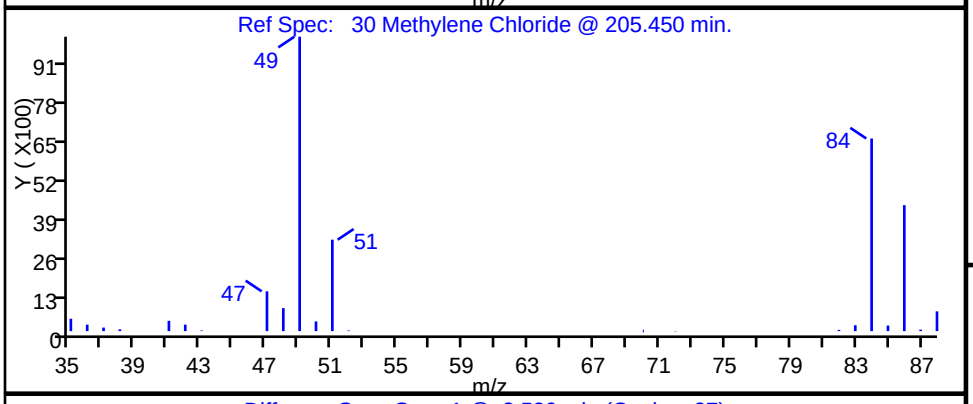
30 Methylene Chloride, CAS: 75-09-2

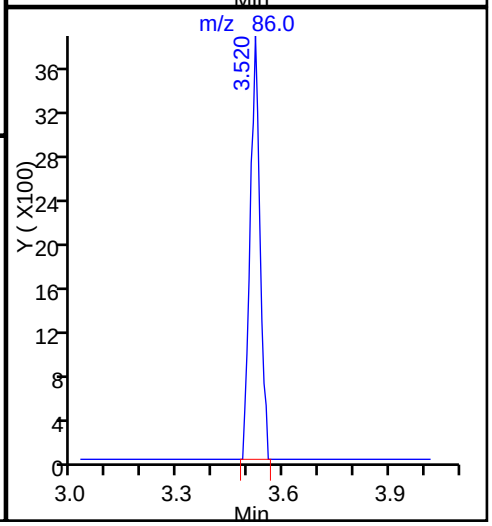


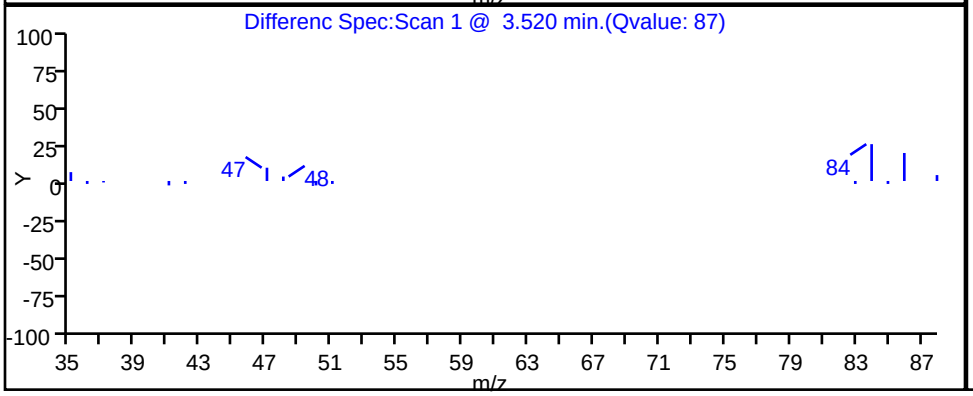












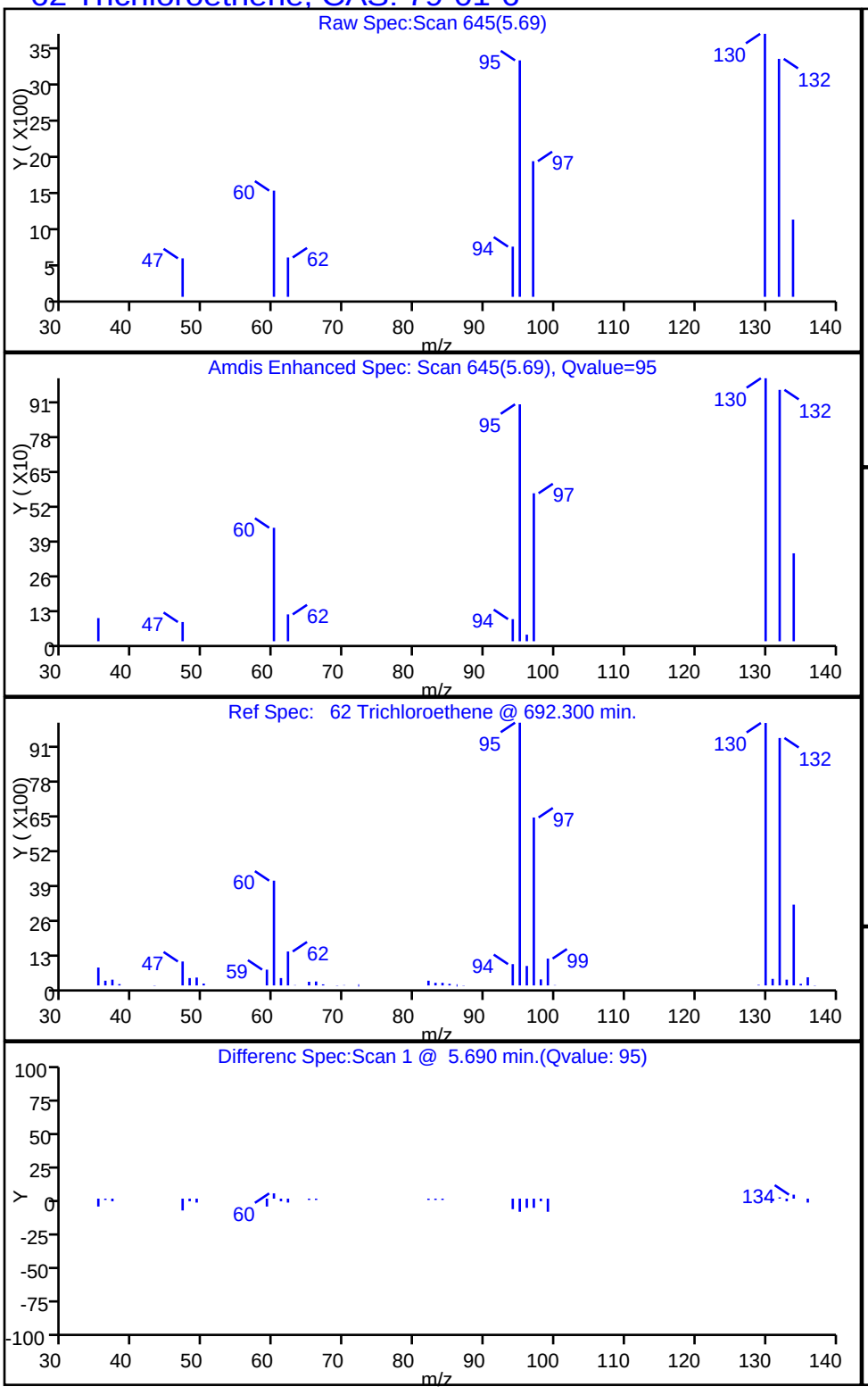
Report Date: 16-Dec-2015 18:19:26 Chrom Revision: 2.2 02-Dec-2015 11:51:48

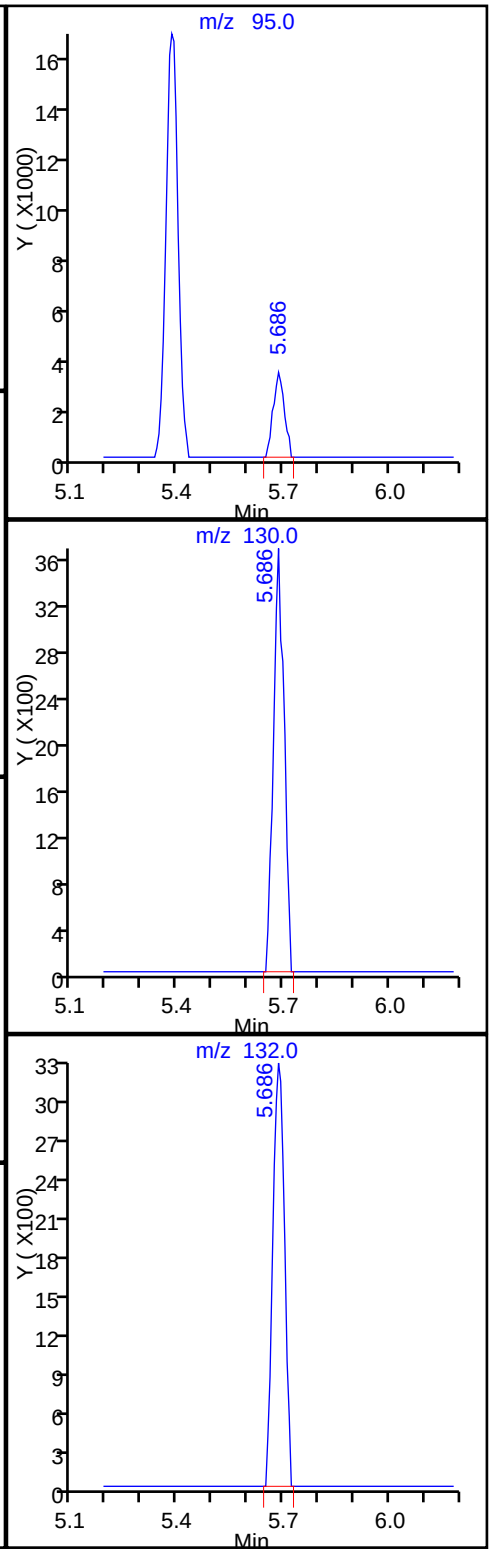
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3209.D

Injection Date:	16-Dec-2015 14:46:30	Instrument ID:	HP5973F		
Lims ID:	480-92542-A-9-E	Lab Sample ID:	480-92542-9		
Client ID:	B-AREA2-DUP3				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6





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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.3069 2.4323	2.6817 2.5757	2.7769 2.6219	2.7619	2.5649	Ave		2.5903			0.1000	6.2		20.0			
Chloromethane	3.3852 2.3945	3.0142 2.4533	2.8252 2.4777	2.6993	2.4736	Ave		2.7154			0.1000	12.7		20.0			
Vinyl chloride	2.3186 2.1766	2.5039 2.2690	2.5359 2.2912	2.4459	2.2990	Ave		2.3550			0.1000	5.3		20.0			
Butadiene	2.9331 2.2344	2.4691 2.2498	2.6642 2.2881	2.4666	2.2883	Ave		2.4492				10.0		20.0			
Bromomethane	1.6909 1.5246	1.7047 1.5547	1.6308 1.6013	1.6735	1.5777	Ave		1.6198			0.1000	4.1		20.0			
Chloroethane	+++++ 1.3774	1.6089 1.4160	1.6039 1.4581	1.5978	1.4614	Ave		1.5033			0.1000	6.5		20.0			
Dichlorofluoromethane	4.5460 3.6400	4.2423 3.7325	4.0990 3.7890	4.0673	3.8023	Ave		3.9898				7.7		20.0			
Trichlorofluoromethane	3.4447 3.5948	3.8274 3.6867	3.9321 3.7435	4.0156	3.7151	Ave		3.7450			0.1000	4.9		20.0			
Ethyl ether	2.0211 1.8796	2.0396 1.8888	1.9137 1.8895	1.9121	1.8596	Ave		1.9255				3.5		20.0			
Acrolein	0.3260 0.3364	0.3434 0.3389	0.3058 0.3403	0.2890	0.3285	Ave		0.3260				5.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 2.0277	2.0366 2.0567	2.0797 2.0239	2.1804	2.0471	Ave		2.0646			0.1000	2.6		20.0			
1,1-Dichloroethene	2.0962 1.7629	1.9987 1.7751	1.9148 1.7537	1.9192	1.7946	Ave		1.8769			0.1000	6.7		20.0			
Acetone	0.7156 0.5382	0.6263 0.5455	0.5675 0.5369	0.5447	0.5440	Ave		0.5773			0.1000	10.9		20.0			
Iodomethane	3.8081 3.5166	3.9525 3.5195	3.5404 3.5325	3.6376	3.5032	Ave		3.6263				4.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	7.0144 7.1966	8.2249 7.2934	7.5006 7.1870	7.5742	7.3942	Ave		7.4232			0.1000	5.0		20.0			
Methyl acetate	1.5435 1.4154	1.6179 1.4446	1.4026 1.4263	1.3530	1.4204	Ave		1.4530			0.1000	5.9		20.0			
Allyl chloride	4.2256 3.1510	3.8437 3.1039	3.4459 3.0748	3.4282	3.2264	Ave		3.4374				11.8		20.0			
Methylene Chloride	+++++ 2.0875	4.4664 2.0137	2.9857 1.9830	2.5635	2.2318	Lin1	2.4391	1.9672			0.1000				1.0000		0.9900
2-Methyl-2-propanol	+++++ 0.1939	0.1807 0.2030	0.1787 0.1926	0.1989	0.1871	Ave		0.1907				4.7		20.0			
Methyl tert-butyl ether	6.1506 5.8833	6.5093 5.9550	5.7573 5.9008	5.9195	5.9186	Ave		5.9993			0.1000	3.9		20.0			
trans-1,2-Dichloroethene	2.0548 1.8826	2.2938 1.9025	2.0644 1.8592	1.9928	1.9691	Ave		2.0024			0.1000	7.0		20.0			
Acrylonitrile	0.6610 0.7287	0.7836 0.7326	0.7310 0.7250	0.7004	0.7193	Ave		0.7227				4.7		20.0			
Hexane	2.8419 2.9793	3.6340 2.9591	3.3389 2.8813	3.1901	3.0517	Ave		3.1096				8.6		20.0			
Vinyl acetate	4.5209 4.2333	4.4878 4.3639	3.8570 4.3931	3.9393	4.0016	Ave		4.2246				6.1		20.0			
1,1-Dichloroethane	3.9052 3.7376	4.2232 3.7176	3.7503 3.6947	4.0387	3.7493	Ave		3.8521			0.2000	4.9		20.0			
2-Butanone (MEK)	0.9279 0.8600	0.8854 0.8799	0.8507 0.8798	0.8770	0.8491	Ave		0.8762			0.1000	2.9		20.0			
2,2-Dichloropropane	3.1448 2.9787	3.6652 2.9832	3.1510 2.9582	3.2720	2.9999	Ave		3.1441				7.6		20.0			
cis-1,2-Dichloroethene	2.1445 2.1079	2.6208 2.1418	2.1035 2.1094	2.2377	2.1800	Ave		2.2057			0.1000	7.9		20.0			
Chlorobromomethane	0.9871 1.0974	1.0653 1.0904	1.0492 1.0804	1.1494	1.0806	Ave		1.0749				4.3		20.0			
Tetrahydrofuran	+++++ 0.5951	0.6215 0.5987	0.7386 0.5881	0.6450	0.5911	Ave		0.6254				8.6		20.0			
Chloroform	4.3763 3.6926	4.5354 3.6600	3.9358 3.6188	3.9330	3.8089	Ave		3.9451			0.2000	8.6		20.0			
1,1,1-Trichloroethane	3.3384 3.2439	3.7516 3.2497	3.3601 3.2289	3.5339	3.2763	Ave		3.3729			0.1000	5.4		20.0			
Cyclohexane	2.9229 3.9074	4.2460 3.8995	4.1821 3.8286	4.2215	3.9064	Ave		3.8893			0.1000	10.9		20.0			
Isobutyl alcohol	0.1009 0.0857	0.1101 0.0912	0.0917 0.0877	0.0803	0.0847	Ave		0.0915				10.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.9351 2.6807	2.9233 2.7071	2.8567 2.6617	2.8588	2.7695	Ave		2.7991				3.9		20.0			
Carbon tetrachloride	2.3318 3.0128	3.1868 3.0395	3.0315 3.0093	3.2241	3.0288	Ave		2.9831			0.1000	9.3		20.0			
Benzene	8.1771 7.5131	8.6691 7.4421	7.9622 7.3223	7.9834	7.5484	Ave		7.8272			0.5000	5.8		20.0			
n-Heptane	3.6901 2.8075	3.7062 2.6937	3.3791 2.6527	2.9475	2.8019	Ave		3.0848				14.3		20.0			
1,2-Dichloroethane	3.4530 3.2551	3.7402 3.2130	3.3706 3.1288	3.2829	3.2509	Ave		3.3368			0.1000	5.7		20.0			
Trichloroethene	2.1850 2.0522	2.4224 2.0587	2.1523 2.0522	2.1636	2.1238	Ave		2.1513			0.2000	5.7		20.0			
Methylcyclohexane	2.3981 3.1924	3.4890 3.2436	3.3272 3.1896	3.4002	3.2196	Ave		3.1825			0.1000	10.5		20.0			
1,2-Dichloropropane	1.8553 2.0713	2.2641 2.0167	2.0188 2.0410	2.1616	2.0588	Ave		2.0610			0.1000	5.7		20.0			
1,4-Dioxane	+++++ 0.0049	+++++ 0.0054	0.0021 0.0047	0.0058	0.0043	Lin1	-0.062	0.0050							0.9910		0.9900
Dibromomethane	1.1383 1.3294	1.3959 1.3416	1.4099 1.3307	1.3967	1.3395	Ave		1.3353			0.1000	6.5		20.0			
Bromodichloromethane	2.7454 2.9143	2.9824 2.9187	2.8862 2.9319	2.9326	2.8578	Ave		2.8962			0.2000	2.4		20.0			
2-Chloroethyl vinyl ether	1.1608 1.3550	1.2147 1.3936	1.3295 1.3829	1.3071	1.3071	Ave		1.3063				6.2		20.0			
cis-1,3-Dichloropropene	2.9546 3.2754	3.4943 3.3150	3.2488 3.3347	3.2381	3.2259	Ave		3.2609			0.2000	4.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.9939 0.9674	0.9700 0.9553	0.9460 0.9192	0.9401	0.9575	Ave		0.9562			0.1000	2.3		20.0			
Toluene	2.1996 2.2446	2.5776 2.2128	2.3810 2.1370	2.4469	2.2925	Ave		2.3115			0.4000	6.4		20.0			
Ethyl methacrylate	1.0290 1.1790	1.1244 1.1914	1.0183 1.1728	1.0944	1.1291	Ave		1.1173				5.9		20.0			
trans-1,3-Dichloropropene	1.3480 1.4787	1.4373 1.4664	1.3946 1.4291	1.4481	1.4416	Ave		1.4305			0.1000	2.9		20.0			
1,1,2-Trichloroethane	0.7134 0.7042	0.7895 0.6945	0.6726 0.6802	0.7204	0.7115	Ave		0.7108			0.1000	5.0		20.0			
2-Hexanone	0.6958 0.6691	0.7012 0.6697	0.6371 0.6449	0.6264	0.6465	Ave		0.6613			0.1000	4.1		20.0			
Tetrachloroethene	1.0638 1.0769	1.1567 1.0496	1.0837 1.0265	1.1484	1.0944	Ave		1.0875			0.2000	4.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.4825 1.4212	1.4822 1.4012	1.4553 1.3629	1.4976	1.4466	Ave		1.4437				3.2		20.0			
Dibromochloromethane	1.0260 1.0613	1.0529 1.0639	0.9649 1.0578	1.0543	1.0299	Ave		1.0389			0.1000	3.2		20.0			
1,2-Dibromoethane	0.8704 0.9369	0.9111 0.9159	0.9640 0.8977	0.9298	0.9096	Ave		0.9169				3.0		20.0			
Chlorobenzene	2.8871 2.6408	2.8519 2.5804	2.7730 2.5180	2.8159	2.6557	Ave		2.7153			0.5000	5.0		20.0			
Ethylbenzene	4.9659 4.3841	5.1705 4.3562	4.6996 4.1770	4.6881	4.4310	Ave		4.6091			0.1000	7.3		20.0			
1,1,1,2-Tetrachloroethane	1.0490 1.0168	1.0880 1.0261	0.9918 1.0023	1.1161	1.0209	Ave		1.0389				4.2		20.0			
m,p-Xylene	1.7321 1.7743	1.9036 1.7356	1.7737 1.6749	1.8937	1.7874	Ave		1.7844			0.1000	4.4		20.0			
o-Xylene	1.7290 1.7870	1.9116 1.7393	1.8371 1.6854	1.8500	1.7589	Ave		1.7873			0.3000	4.2		20.0			
Styrene	2.8281 2.9428	2.8986 2.9343	2.9136 2.8621	3.0166	2.9298	Ave		2.9157			0.3000	1.9		20.0			
Isopropylbenzene	4.8809 4.6588	5.2731 4.6717	5.0809 4.5100	5.0885	4.7405	Ave		4.8630			0.1000	5.4		20.0			
Bromoform	0.5505 0.6438	0.6028 0.6719	0.5427 0.6709	0.6066	0.6102	Ave		0.6124			0.1000	8.0		20.0			
1,1,2,2-Tetrachloroethane	1.0483 1.1208	1.1936 1.1464	1.1565 1.1112	1.1298	1.0898	Ave		1.1246			0.3000	3.9		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.4245	0.4132 0.4371	0.3642 0.4338	0.4163	0.4063	Ave		0.4136				5.9		20.0			
N-Propylbenzene	6.0589 5.3859	6.0403 5.3684	5.6774 5.1490	5.6527	5.4589	Ave		5.5989				5.8		20.0			
1,2,3-Trichloropropane	0.3118 0.3696	0.3521 0.3770	0.3953 0.3594	0.3932	0.3808	Ave		0.3674				7.4		20.0			
Bromobenzene	1.2701 1.2266	1.2534 1.2351	1.2724 1.1952	1.2919	1.2569	Ave		1.2502				2.4		20.0			
1,3,5-Trimethylbenzene	3.9525 4.0504	4.5212 4.0603	4.2898 3.9126	4.3200	4.0988	Ave		4.1507				5.0		20.0			
2-Chlorotoluene	0.9628 1.0598	1.1703 1.0719	1.1334 1.0382	1.1507	1.0660	Ave		1.0816				6.3		20.0			
4-Chlorotoluene	1.2251 1.1229	1.1701 1.1211	1.1826 1.0927	1.1630	1.1197	Ave		1.1497				3.8		20.0			
tert-Butylbenzene	0.9170 0.8562	0.9963 0.8691	0.9005 0.8391	0.9537	0.8859	Ave		0.9022				5.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	4.1937 4.1954	4.5118 4.1809	4.3892 4.0654	4.5130	4.1320	Ave		4.2727				4.1		20.0			
sec-Butylbenzene	4.7443 5.0110	5.5579 5.0490	5.3306 4.8592	5.4366	5.0621	Ave		5.1314				5.5		20.0			
4-Isopropyltoluene	4.3031 4.2138	4.7445 4.2360	4.4240 4.1181	4.5943	4.2254	Ave		4.3574				4.9		20.0			
1,3-Dichlorobenzene	2.4106 2.3443	2.5769 2.3622	2.4440 2.3226	2.4453	2.3434	Ave		2.4062			0.6000	3.5		20.0			
1,4-Dichlorobenzene	2.5894 2.4093	2.7437 2.3989	2.5026 2.3306	2.4688	2.3892	Ave		2.4791			0.5000	5.4		20.0			
n-Butylbenzene	3.6712 3.7291	4.1665 3.7670	3.9009 3.6876	4.0385	3.7359	Ave		3.8371				4.7		20.0			
1,2-Dichlorobenzene	2.3958 2.2990	2.5221 2.3231	2.2913 2.2552	2.3977	2.2953	Ave		2.3474			0.4000	3.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1893 0.2275	0.3090 0.2444	0.2592 0.2372	0.2354	0.2330	Ave		0.2419			0.0500	13.9		20.0			
1,2,4-Trichlorobenzene	1.3857 1.6197	1.5250 1.6558	1.5706 1.6441	1.6477	1.5708	Ave		1.5774			0.2000	5.7		20.0			
Hexachlorobutadiene	0.5250 0.6370	0.6243 0.6517	0.6105 0.6440	0.7203	0.6068	Ave		0.6274				8.7		20.0			
Naphthalene	3.0013 3.6753	3.2029 3.8377	3.0978 3.8402	3.3852	3.4593	Ave		3.4375				9.5		20.0			
1,2,3-Trichlorobenzene	1.4305 1.5614	1.5058 1.5976	1.4706 1.5688	1.4944	1.4785	Ave		1.5135				3.8		20.0			
Dibromofluoromethane (Surr)	1.2717 1.3139	1.3358 1.3488	1.3094 1.3626	1.3197	1.3210	Ave		1.3229				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7814 0.7986	0.8046 0.8371	0.7678 0.8129	0.7687	0.7987	Ave		0.7962				2.9		20.0			
Toluene-d8 (Surr)	2.0777 2.1235	2.0978 2.0901	2.1067 2.0893	2.1112	2.1168	Ave		2.1016				0.7		20.0			
4-Bromofluorobenzene (Surr)	0.7125 0.7333	0.7119 0.7369	0.7162 0.7283	0.7351	0.7324	Ave		0.7258				1.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4730 301041	13186 624086	27942 1253697	68873	128034	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	6941 296363	14821 594435	28428 1184747	67311	123474	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4754 269390	12312 549792	25517 1095567	60991	114760	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	6014 276552	12141 545132	26808 1094079	61507	114226	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3467 188702	8382 376714	16410 765682	41732	78757	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 170477	7911 343093	16139 697199	39844	72948	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	9321 450516	20860 904395	41246 1811787	101423	189803	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	7063 444926	18820 893289	39566 1789987	100135	185448	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4144 232641	10029 457670	19256 903468	47681	92829	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3342 208190	8443 410530	15384 813481	36038	81993	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 250972	10014 498342	20927 967757	54371	102186	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4298 218187	9828 430119	19267 838571	47858	89583	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	7336 333042	15398 660829	28550 1283666	67910	135788	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7808 435242	19435 852791	35625 1689113	90709	174871	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	14382 890715	40443 1767200	75474 3436586	188874	369103	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl acetate	FB	Ave	15824 875911	39777 1750098	70567 3409975	168697	354504	2.00 125	5.00 250	10.0 500	25.0	50.0
Allyl chloride	FB	Ave	8664 390001	18900 752080	34674 1470250	85486	161055	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylene Chloride	FB	Lin1	+++++ 258368	21962 487918	30043 948203	63925	111404	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 239984	8887 491802	17981 920862	49610	93406	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	12611 728174	32007 1442898	57932 2821527	147612	295444	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4213 233007	11279 460987	20773 888987	49693	98292	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13553 901952	38533 1775189	73559 3466555	174657	359064	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5827 368751	17869 716994	33597 1377751	79550	152333	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18539 1047914	44134 2114769	77622 4201250	196465	399500	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	8007 462601	20766 900771	37737 1766687	100710	187155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9513 532235	21767 1066040	42799 2103349	109341	211935	2.00 125	5.00 250	10.0 500	25.0	50.0
2,2-Dichloropropane	FB	Ave	6448 368673	18022 722839	31707 1414492	81591	149748	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4397 260887	12887 518972	21166 1008638	55801	108818	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobromomethane	FB	Ave	2024 135818	5238 264196	10557 516586	28661	53939	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 147313	6112 290119	14864 562460	32166	59009	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8973 457027	22301 886828	39604 1730371	98075	190133	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6845 401495	18447 787406	33811 1543925	88123	163546	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5993 483618	20878 944857	42082 1830685	105269	195000	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	5172 265080	13531 552301	23078 1048782	50081	105663	10.0 625	25.0 1250	50.0 2500	125	250
1,1-Dichloropropene	FB	Ave	6018 331785	14374 655936	28745 1272727	71288	138246	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4781 372892	15670 736487	30504 1438923	80398	151188	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	16766 929895	42627 1803239	80119 3501246	199077	376796	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	7566 347482	18224 652690	34002 1268418	73499	139863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	7080 402877	18391 778508	33916 1496062	81864	162276	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4480 254002	11911 498820	21657 981309	53953	106015	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4917 395124	17156 785929	33480 1525166	84789	160717	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3804 256361	11133 488661	20314 975951	53902	102770	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	+++++ 25442	+++++ 56306	879 99175	5983	9027	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2334 164539	6864 325082	14187 636303	34829	66863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	5629 360701	14665 707212	29042 1401924	73129	142654	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2380 167713	5973 337670	13378 661248	32595	65248	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6058 405394	17182 803243	32691 1594522	80746	161028	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	21142 1263853	50843 2486207	98572 4859187	242968	501918	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	9358 586489	27021 1151776	49619 2259465	126488	240345	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4378 308070	11787 620135	21220 1239978	56572	118377	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	5735 386386	15067 763245	29063 1510957	74855	151139	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	3035 184006	8276 361465	14017 719138	37239	74593	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14801 874175	36753 1742886	66386 3408963	161891	338870	2.00 125	5.00 250	10.0 500	25.0	50.0
Tetrachloroethene	CBZ	Ave	4526 281396	12126 546309	22584 1085325	59365	114740	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	6307 371353	15538 729302	30328 1440933	77415	151660	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromochloromethane	CBZ	Ave	4365 277322	11038 553748	20108 1118399	54497	107977	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	3703 244810	9551 476701	20090 949073	48062	95362	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	12283 690022	29897 1343077	57788 2662215	145561	278417	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	21127 1145546	54203 2267405	97937 4416277	242338	464541	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4463 265675	11406 534082	20668 1059719	57696	107030	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	7369 463607	19956 903371	36963 1770809	97888	187387	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	7356 466939	20039 905289	38284 1781894	95633	184399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	12032 768947	30386 1527311	60719 3026047	155933	307155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	19411 1188422	52209 2330372	100284 4600013	253803	482612	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	2342 168211	6319 349734	11310 709342	31355	63975	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4169 285910	11818 571845	22827 1133347	56353	110951	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 108283	4091 218016	7189 442481	20763	41368	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	24096 1373894	59805 2677889	112059 5251776	281944	555749	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1240 94280	3486 188045	7803 366522	19612	38771	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	5051 312896	12410 616078	25115 1219050	64438	127962	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	15719 1033241	44764 2025395	84671 3990713	215472	417285	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	3829 270342	11587 534694	22371 1058966	57394	108529	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	4872 286445	11585 559249	23342 1114536	58007	113996	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	3647 218419	9864 433546	17773 855894	47570	90191	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	16678 1070211	44671 2085528	86632 4146539	225098	420664	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	18868 1278275	55029 2518596	105213 4956140	271164	515360	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	17113 1074914	46975 2113048	87319 4200316	229151	430176	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	9587 598020	25514 1178335	48238 2368902	121966	238573	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	10298 614583	27165 1196637	49396 2377070	123139	243233	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	14600 951266	41252 1879092	76995 3761182	201429	380343	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	9528 586467	24971 1158831	45224 2300155	119592	233673	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	753 58036	3059 121920	5116 241937	11740	23726	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5511 413180	15099 825949	30999 1676862	82181	159922	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	2088 162484	6181 325088	12049 656815	35927	61775	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	11936 937548	31712 1914342	61144 3916853	168846	352178	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	5689 398306	14909 796908	29027 1600126	74537	150520	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	162963 162623	164209 163409	164694 162889	164539	164856	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	100129 98842	98903 101417	96571 97174	95842	99673	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	552453 554868	549779 543933	548788 552249	545675	554801	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	189448 191601	186570 191779	186563 192499	190003	191968	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Dec-2015 14:15:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0049159-004
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:10 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:03:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	128148	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	265902	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	248559	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162963	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	100129	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552453	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	189448	25.0	24.5	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	93	4730	0.4000	0.3562	
12 Chloromethane	50	4.851	4.851	0.000	37	6941	0.4000	0.4987	
13 Vinyl chloride	62	5.088	5.088	0.000	90	4754	0.4000	0.3938	
151 Butadiene	54	5.124	5.124	0.000	88	6014	0.4000	0.4790	
14 Bromomethane	94	5.693	5.693	0.000	78	3467	0.4000	0.4176	
15 Chloroethane	64		5.823				ND	ND	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	94	9321	0.4000	0.4558	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	95	7063	0.4000	0.3679	
18 Ethyl ether	59	6.487	6.475	0.012	95	4144	0.4000	0.4199	
20 Acrolein	56	6.737	6.724	0.012	94	3342	2.00	2.00	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	80	2803	0.4000	0.2649	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	93	4298	0.4000	0.4467	
23 Acetone	43	6.891	6.879	0.012	67	7336	2.00	2.48	
25 Iodomethane	142	7.057	7.056	0.001	95	7808	0.4000	0.4201	
26 Carbon disulfide	76	7.140	7.139	0.001	98	14382	0.4000	0.3780	
27 Methyl acetate	43	7.175	7.163	0.012	99	15824	2.00	2.12	M
28 3-Chloro-1-propene	41	7.187	7.187	0.000	82	8664	0.4000	0.4917	
30 Methylene Chloride	84	7.341	7.341	0.000	97	13835	0.4000	0.1321	
31 2-Methyl-2-propanol	59		7.353				ND	ND	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	96	12611	0.4000	0.4101	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	93	4213	0.4000	0.4105	
33 Acrylonitrile	53	7.602	7.578	0.024	90	13553	4.00	3.66	
35 Hexane	57	7.721	7.709	0.012	90	5827	0.4000	0.3656	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	18539	0.8000	0.8561	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	93	8007	0.4000	0.4055	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	98	9513	2.00	2.12	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	28	6448	0.4000	0.4001	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	82	4397	0.4000	0.3889	
48 Chlorobromomethane	128	8.693	8.693	0.000	89	2024	0.4000	0.3673	
50 Chloroform	83	8.705	8.705	0.000	94	8973	0.4000	0.4437	
49 Tetrahydrofuran	42		8.705				ND	ND	
51 1,1,1-Trichloroethane	97	8.883	8.871	0.012	89	6845	0.4000	0.3959	
52 Cyclohexane	56	8.907	8.906	0.001	83	5993	0.4000	0.3006	
53 Isobutyl alcohol	43	8.954	8.954	0.000	46	5172	10.0	11.0	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	90	6018	0.4000	0.4194	
55 Carbon tetrachloride	117	9.013	9.013	0.000	95	4781	0.4000	0.3127	
57 Benzene	78	9.179	9.179	0.000	93	16766	0.4000	0.4179	
59 n-Heptane	43	9.191	9.191	0.000	58	7566	0.4000	0.4785	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	94	7080	0.4000	0.4139	
62 Trichloroethene	95	9.654	9.653	0.001	93	4480	0.4000	0.4063	
64 Methylcyclohexane	83	9.796	9.796	0.000	93	4917	0.4000	0.3014	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	84	3804	0.4000	0.3601	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.998	9.997	0.001	65	2334	0.4000	0.3410	
68 Dichlorobromomethane	83	10.069	10.069	0.001	94	5629	0.4000	0.3792	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	79	2380	0.4000	0.3554	
72 cis-1,3-Dichloropropene	75	10.389	10.377	0.012	94	6058	0.4000	0.3624	
73 4-Methyl-2-pentanone (MIBK	43	10.425	10.412	0.012	78	21142	2.00	2.08	
74 Toluene	92	10.650	10.650	0.000	96	9358	0.4000	0.3806	
75 Ethyl methacrylate	69	10.721	10.721	0.000	87	4378	0.4000	0.3684	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	91	5735	0.4000	0.3769	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	89	3035	0.4000	0.4015	
80 2-Hexanone	43	11.065	11.053	0.012	74	14801	2.00	2.10	M
81 Tetrachloroethene	166	11.089	11.088	0.001	91	4526	0.4000	0.3913	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	92	6307	0.4000	0.4107	
83 Chlorodibromomethane	129	11.338	11.337	0.001	82	4365	0.4000	0.3950	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	3703	0.4000	0.3797	
88 Ethylbenzene	91	11.812	11.800	0.012	97	21127	0.4000	0.4310	
87 Chlorobenzene	112	11.800	11.800	0.000	96	12283	0.4000	0.4253	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	86	4463	0.4000	0.4039	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	7369	0.4000	0.3883	
91 o-Xylene	106	12.239	12.239	0.000	95	7356	0.4000	0.3870	
92 Styrene	104	12.251	12.250	0.001	91	12032	0.4000	0.3880	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	19411	0.4000	0.4015	
95 Bromoform	173	12.523	12.523	0.000	7	2342	0.4000	0.3595	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	80	4169	0.4000	0.3729	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	1	967	0.4000	0.2351	
99 N-Propylbenzene	91	12.856	12.855	0.001	98	24096	0.4000	0.4329	
100 1,2,3-Trichloropropane	110	12.891	12.879	0.012	76	1240	0.4000	0.3395	
101 Bromobenzene	156	12.915	12.915	0.000	91	5051	0.4000	0.4064	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	92	15719	0.4000	0.3809	
103 2-Chlorotoluene	126	13.022	13.021	0.001	94	3829	0.4000	0.3561	
105 4-Chlorotoluene	126	13.105	13.104	0.001	96	4872	0.4000	0.4262	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	3647	0.4000	0.4066	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	94	16678	0.4000	0.3926	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.496	-0.012	95	18868	0.4000	0.3698	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	94	17113	0.4000	0.3950	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	90	9587	0.4000	0.4007	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	90	10298	0.4000	0.4178	
115 n-Butylbenzene	91	14.006	14.006	0.000	95	14600	0.4000	0.3827	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	9528	0.4000	0.4082	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	1	753	0.4000	0.3131	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	89	5511	0.4000	0.3514	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	74	2088	0.4000	0.3347	
121 Naphthalene	128	16.591	16.579	0.012	1	11936	0.4000	0.3492	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	93	5689	0.4000	0.3781	
S 125 1,2-Dichloroethene, Total	1				0			0.7994	
S 126 1,3-Dichloropropene, Total	1				0			0.7394	
S 123 Total BTEX	1				0			2.00	
S 124 Xylenes, Total	1				0			0.7752	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	0.40	Units: uL	
GAS CORP mix_00125	Amount Added:	0.40	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

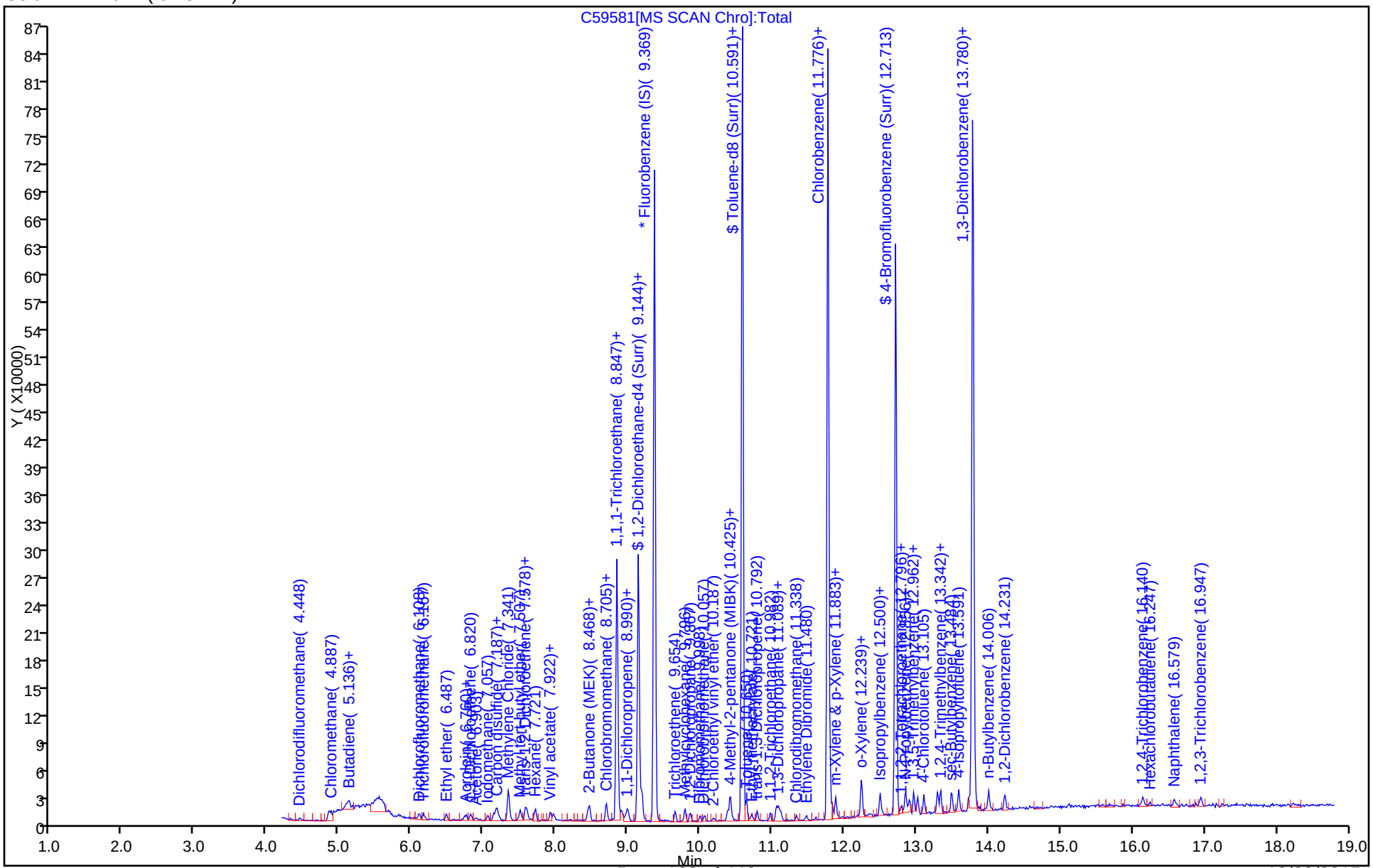
Report Date: 14-Dec-2015 11:36:12 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D

Injection Date:	11-Dec-2015 14:15:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 0.4			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

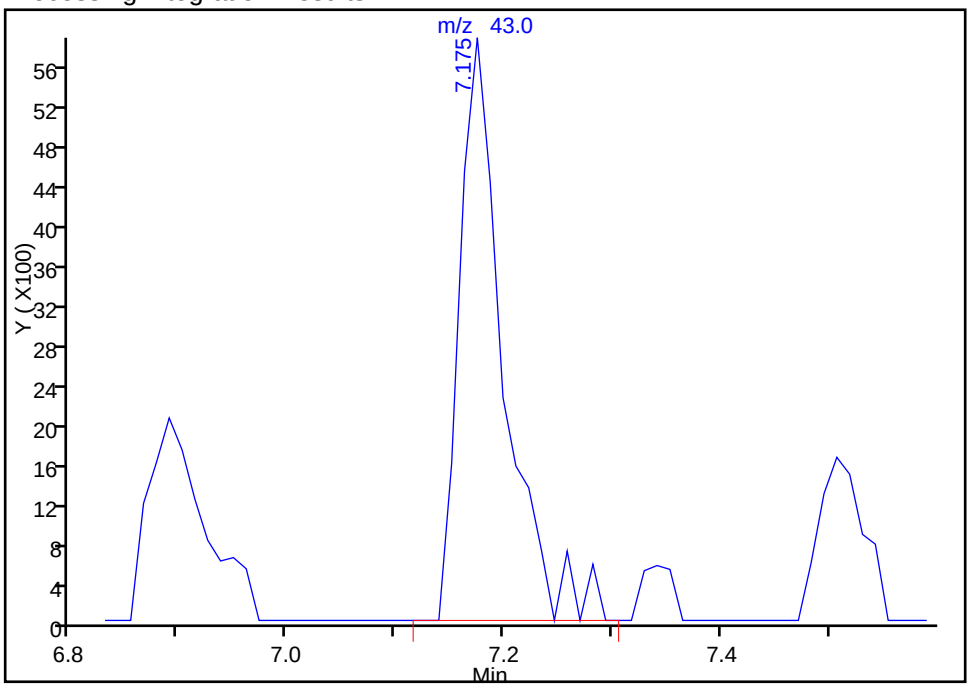
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Injection Date: 11-Dec-2015 14:15:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

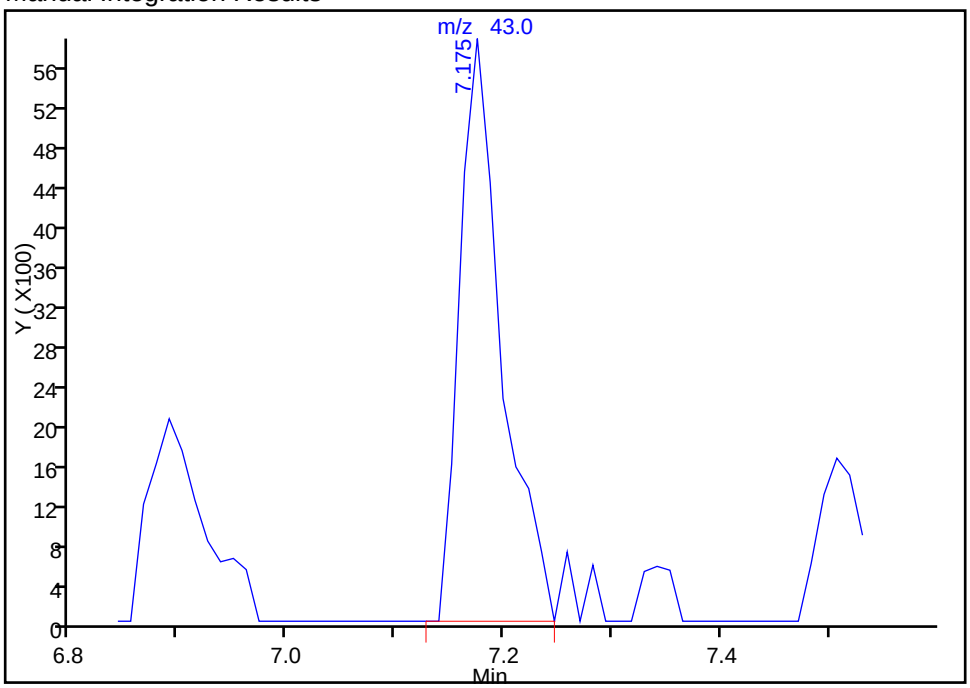
Processing Integration Results

RT: 7.18
Area: 16723
Amount: 2.228572
Amount Units: ug/L



Manual Integration Results

RT: 7.18
Area: 15824
Amount: 2.124677
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:23:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

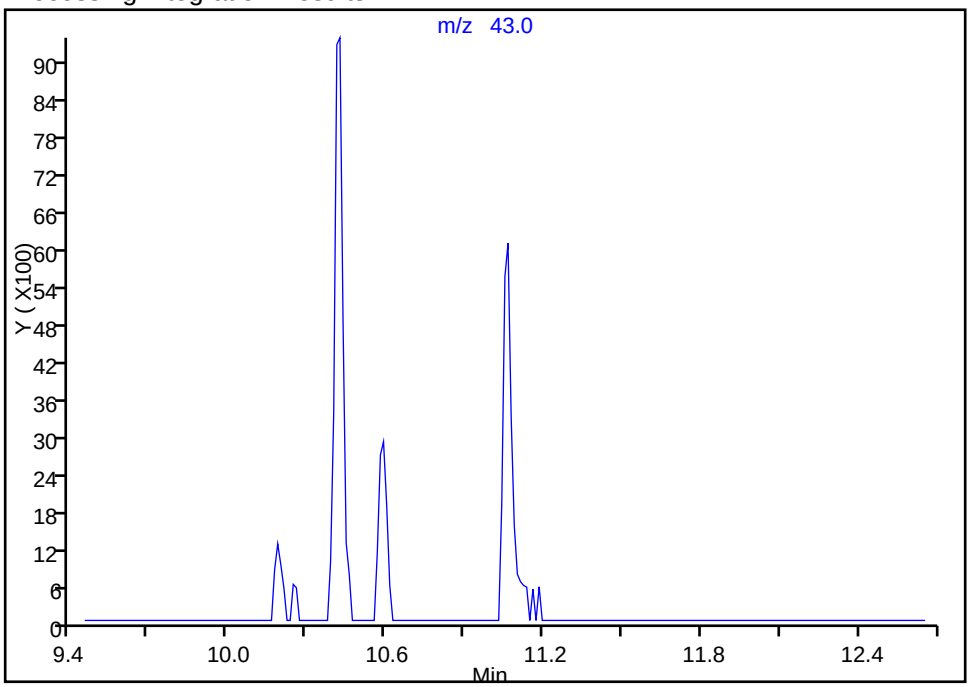
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Injection Date: 11-Dec-2015 14:15:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

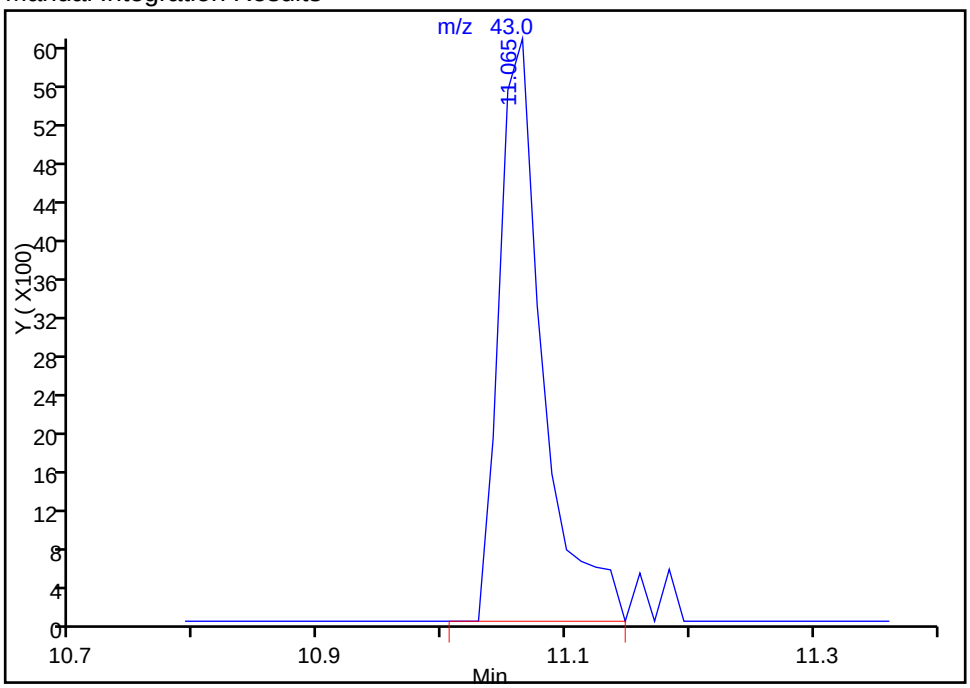
Not Detected
Expected RT: 11.05

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 14801
Amount: 2.104241
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:24:40
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Dec-2015 14:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0049159-005
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:15 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:03:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	122928	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262076	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.780	0.012	96	247524	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164209	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98903	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	549779	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	186570	25.0	24.5	
10 Dichlorodifluoromethane	85	4.459	4.448	0.011	97	13186	1.00	1.04	
12 Chloromethane	50	4.851	4.851	0.000	98	14821	1.00	1.11	
13 Vinyl chloride	62	5.088	5.088	0.000	96	12312	1.00	1.06	
151 Butadiene	54	5.124	5.124	0.000	90	12141	1.00	1.01	
14 Bromomethane	94	5.693	5.693	0.000	95	8382	1.00	1.05	
15 Chloroethane	64	5.835	5.823	0.012	97	7911	1.00	1.07	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	20860	1.00	1.06	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	96	18820	1.00	1.02	
18 Ethyl ether	59	6.487	6.475	0.012	93	10029	1.00	1.06	
20 Acrolein	56	6.736	6.724	0.012	76	8443	5.00	5.27	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	10014	1.00	0.9864	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	9828	1.00	1.06	
23 Acetone	43	6.890	6.879	0.011	99	15398	5.00	5.42	
25 Iodomethane	142	7.056	7.056	0.000	96	19435	1.00	1.09	
26 Carbon disulfide	76	7.139	7.139	0.000	99	40443	1.00	1.11	
27 Methyl acetate	43	7.175	7.163	0.012	98	39777	5.00	5.57	
28 3-Chloro-1-propene	41	7.199	7.187	0.012	79	18900	1.00	1.12	
30 Methylene Chloride	84	7.341	7.341	0.000	98	21962	1.00	1.03	
31 2-Methyl-2-propanol	59	7.365	7.353	0.012	44	8887	10.0	9.48	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	32007	1.00	1.09	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	94	11279	1.00	1.15	
33 Acrylonitrile	53	7.590	7.578	0.012	96	38533	10.0	10.8	M
35 Hexane	57	7.721	7.709	0.012	93	17869	1.00	1.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	97	44134	2.00	2.12	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	20766	1.00	1.10	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	21767	5.00	5.05	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	76	18022	1.00	1.17	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	12887	1.00	1.19	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	5238	1.00	0.99	
50 Chloroform	83	8.705	8.705	0.000	93	22301	1.00	1.15	
49 Tetrahydrofuran	42	8.717	8.705	0.012	57	6112	2.00	1.99	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	18447	1.00	1.11	
52 Cyclohexane	56	8.906	8.906	0.000	92	20878	1.00	1.09	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	13531	25.0	30.1	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	91	14374	1.00	1.04	
55 Carbon tetrachloride	117	9.013	9.013	0.000	96	15670	1.00	1.07	
57 Benzene	78	9.179	9.179	0.000	94	42627	1.00	1.11	
59 n-Heptane	43	9.191	9.191	0.000	92	18224	1.00	1.20	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	18391	1.00	1.12	
62 Trichloroethene	95	9.653	9.653	0.000	96	11911	1.00	1.13	
64 Methylcyclohexane	83	9.796	9.796	0.000	94	17156	1.00	1.10	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	11133	1.00	1.10	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.997	9.997	0.000	90	6864	1.00	1.05	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	14665	1.00	1.03	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	5973	1.00	0.9299	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	95	17182	1.00	1.07	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	89	50843	5.00	5.07	
74 Toluene	92	10.650	10.650	0.000	97	27021	1.00	1.12	
75 Ethyl methacrylate	69	10.721	10.721	0.000	88	11787	1.00	1.01	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	15067	1.00	1.00	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	90	8276	1.00	1.11	
80 2-Hexanone	43	11.065	11.053	0.012	98	36753	5.00	5.30	M
81 Tetrachloroethene	166	11.088	11.088	0.000	96	12126	1.00	1.06	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	92	15538	1.00	1.03	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	11038	1.00	1.01	
84 Ethylene Dibromide	107	11.480	11.480	0.000	95	9551	1.00	0.99	
88 Ethylbenzene	91	11.812	11.800	0.012	96	54203	1.00	1.12	
87 Chlorobenzene	112	11.800	11.800	0.000	83	29897	1.00	1.05	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	85	11406	1.00	1.05	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	19956	1.00	1.07	
91 o-Xylene	106	12.239	12.239	0.000	95	20039	1.00	1.07	
92 Styrene	104	12.251	12.250	0.000	88	30386	1.00	0.99	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	52209	1.00	1.08	
95 Bromoform	173	12.523	12.523	0.000	88	6319	1.00	0.9843	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	92	11818	1.00	1.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	37	4091	1.00	1.00	
99 N-Propylbenzene	91	12.855	12.855	0.000	97	59805	1.00	1.08	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	3486	1.00	0.9583	
101 Bromobenzene	156	12.915	12.915	0.000	90	12410	1.00	1.00	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	44764	1.00	1.09	
103 2-Chlorotoluene	126	13.021	13.021	0.000	95	11587	1.00	1.08	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	11585	1.00	1.02	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	9864	1.00	1.10	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	95	44671	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	55029	1.00	1.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.000	96	46975	1.00	1.09	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	96	25514	1.00	1.07	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	27165	1.00	1.11	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	41252	1.00	1.09	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	24971	1.00	1.07	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	71	3059	1.00	1.28	
119 1,2,4-Trichlorobenzene	180	16.152	16.140	0.012	90	15099	1.00	0.9668	
120 Hexachlorobutadiene	225	16.247	16.235	0.012	88	6181	1.00	0.99	
121 Naphthalene	128	16.579	16.579	0.000	97	31712	1.00	0.9318	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	92	14909	1.00	0.99	
S 125 1,2-Dichloroethene, Total	1				0			2.33	
S 126 1,3-Dichloropropene, Total	1				0			2.08	
S 123 Total BTEX	1				0			5.48	
S 124 Xylenes, Total	1				0			2.14	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
GAS CORP mix_00125	Amount Added:	1.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

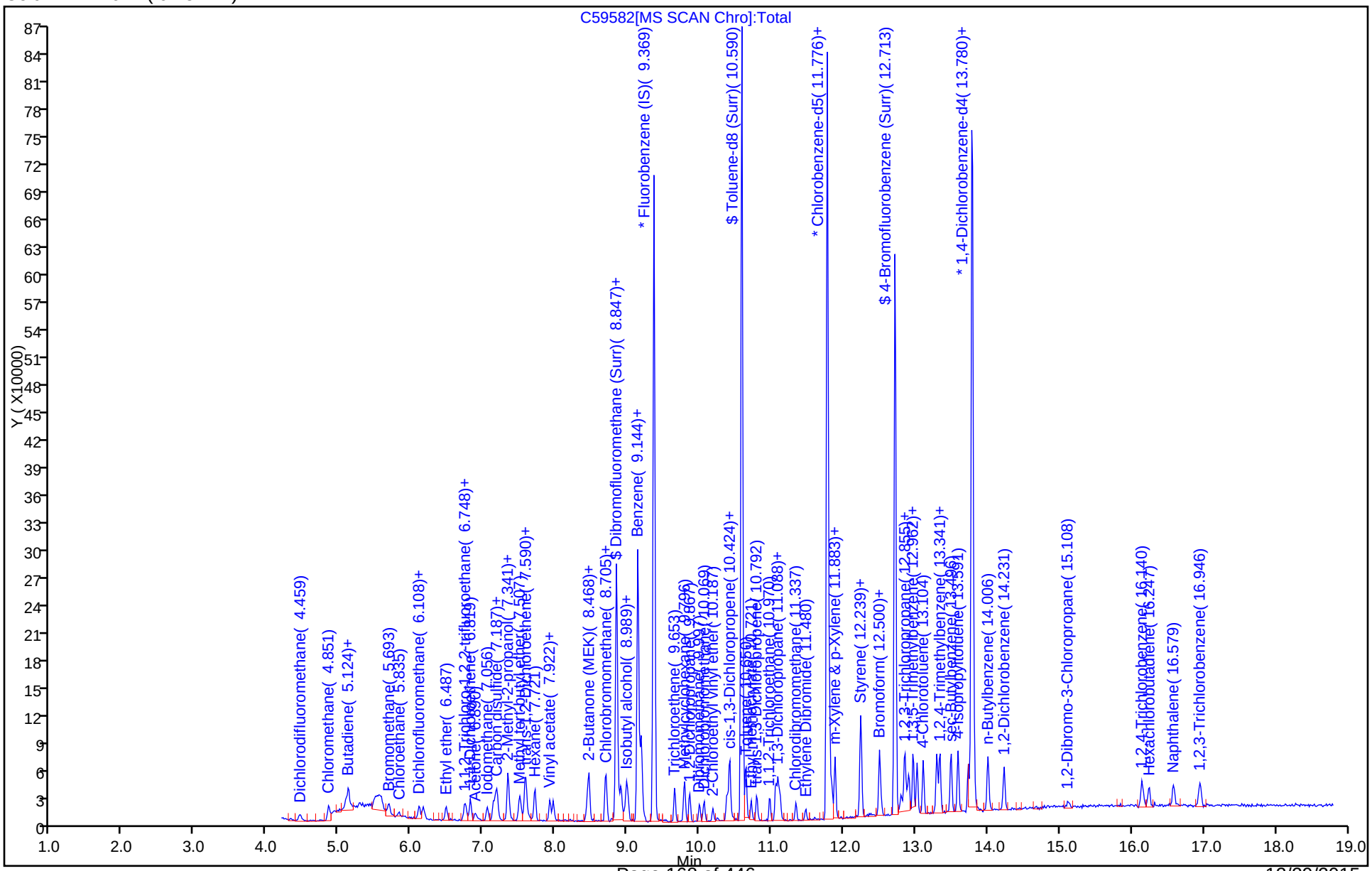
Report Date: 14-Dec-2015 11:36:18 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D

Injection Date:	11-Dec-2015 14:41:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

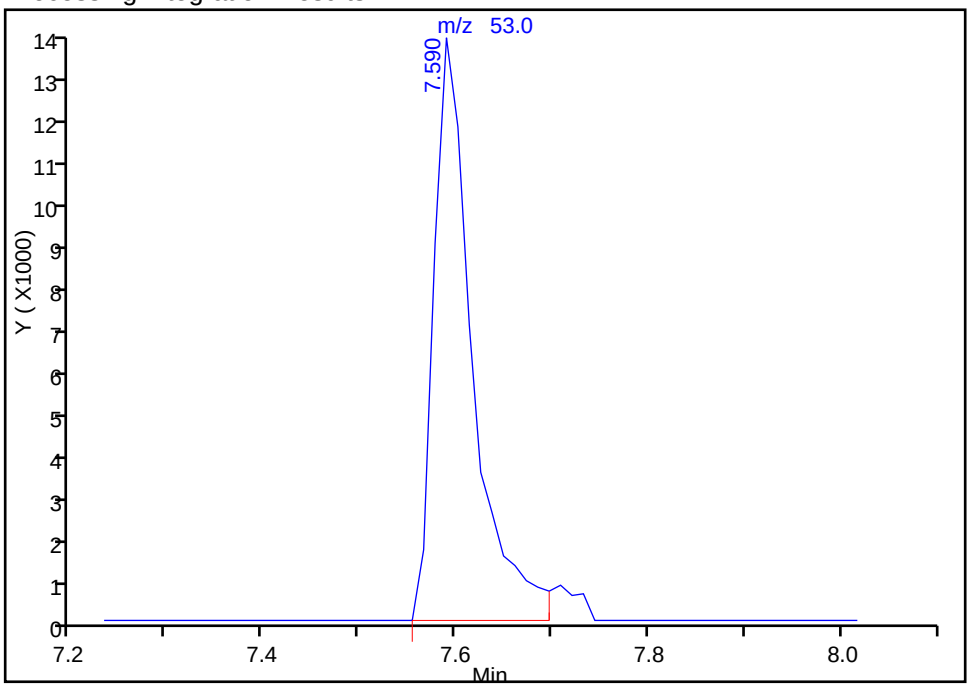
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Injection Date: 11-Dec-2015 14:41:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

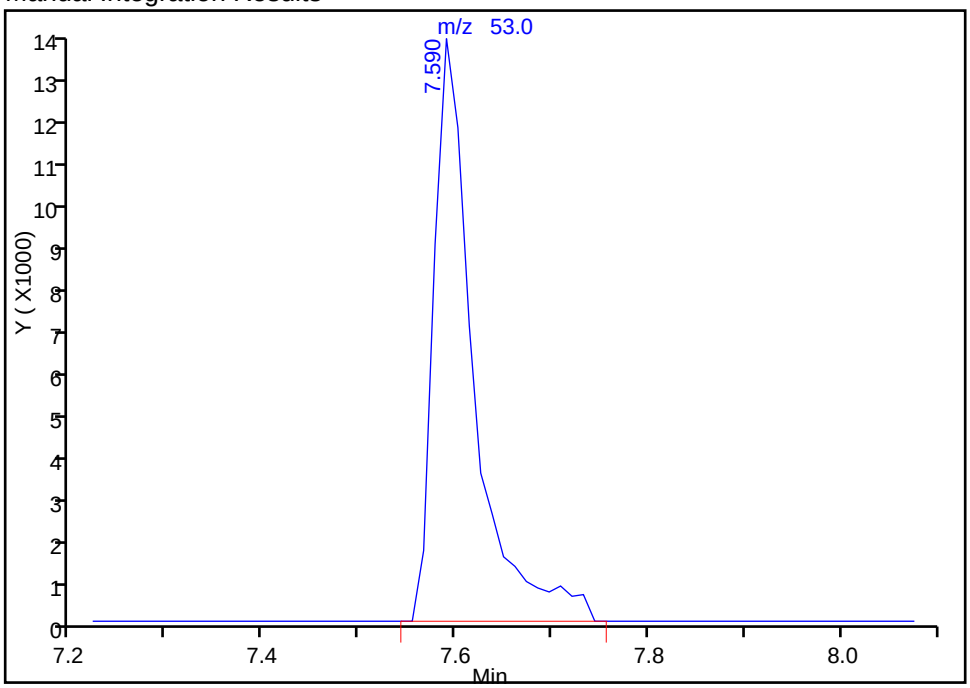
Processing Integration Results

RT: 7.59
Area: 37130
Amount: 10.542457
Amount Units: ug/L



Manual Integration Results

RT: 7.59
Area: 38533
Amount: 10.843081
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:25:29
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

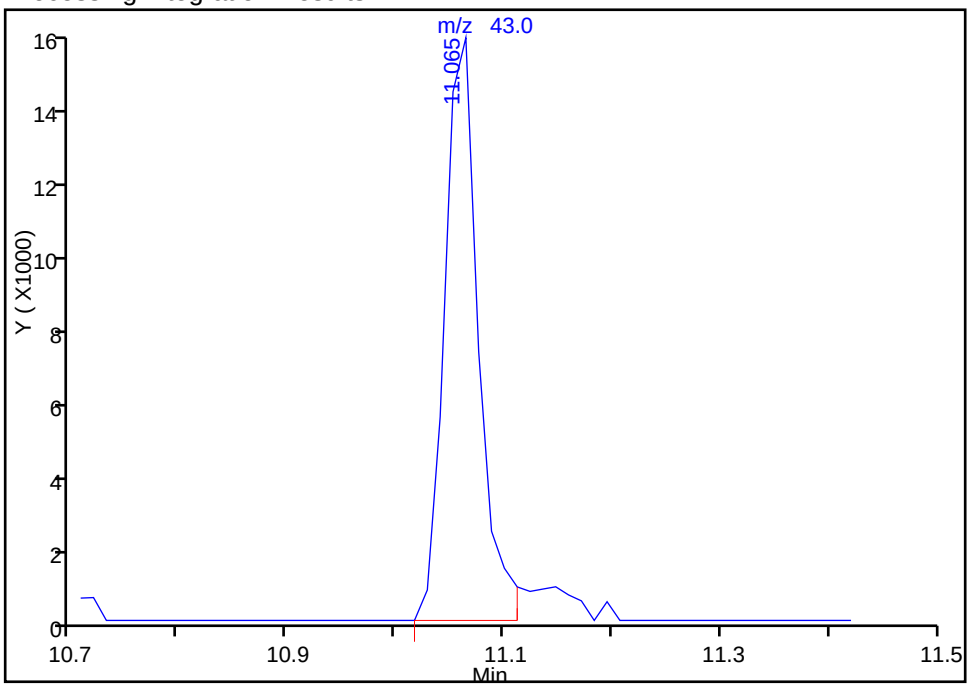
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Injection Date: 11-Dec-2015 14:41:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

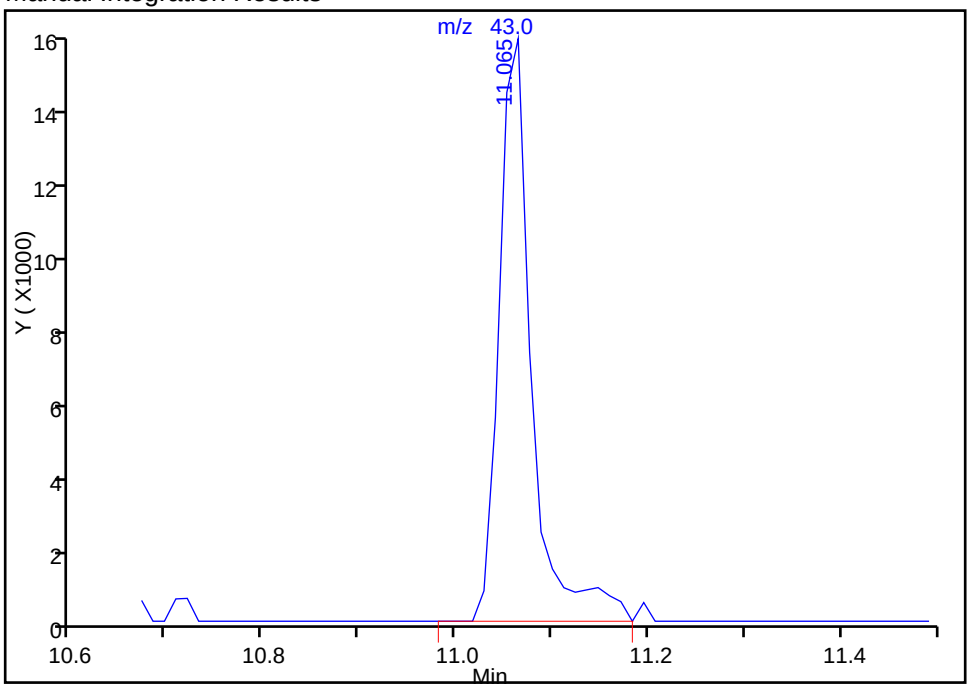
Processing Integration Results

RT: 11.06
Area: 34101
Amount: 5.003609
Amount Units: ug/L



Manual Integration Results

RT: 11.06
Area: 36753
Amount: 5.301413
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:24:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Dec-2015 15:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049159-006
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:21 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:33:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	125780	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260495	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	246720	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164694	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	96571	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	548788	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	186563	25.0	24.7	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	97	27942	2.00	2.14	
12 Chloromethane	50	4.851	4.851	0.000	99	28428	2.00	2.08	
13 Vinyl chloride	62	5.088	5.088	0.000	96	25517	2.00	2.15	
151 Butadiene	54	5.124	5.124	0.000	89	26808	2.00	2.18	
14 Bromomethane	94	5.681	5.693	-0.012	92	16410	2.00	2.01	
15 Chloroethane	64	5.823	5.823	0.000	97	16139	2.00	2.13	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	41246	2.00	2.05	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	98	39566	2.00	2.10	
18 Ethyl ether	59	6.476	6.475	0.001	94	19256	2.00	1.99	
20 Acrolein	56	6.736	6.724	0.012	78	15384	10.0	9.38	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	20927	2.00	2.01	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	19267	2.00	2.04	
23 Acetone	43	6.879	6.879	0.000	100	28550	10.0	9.83	
25 Iodomethane	142	7.057	7.056	0.001	99	35625	2.00	1.95	
26 Carbon disulfide	76	7.140	7.139	0.001	100	75474	2.00	2.02	
27 Methyl acetate	43	7.175	7.163	0.012	98	70567	10.0	9.65	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	34674	2.00	2.00	
30 Methylene Chloride	84	7.341	7.341	0.000	99	30043	2.00	1.80	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	52	17981	20.0	18.7	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	57932	2.00	1.92	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	20773	2.00	2.06	
33 Acrylonitrile	53	7.590	7.578	0.012	99	73559	20.0	20.2	M
35 Hexane	57	7.709	7.709	0.000	92	33597	2.00	2.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	77622	4.00	3.65	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	96	37737	2.00	1.95	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	42799	10.0	9.71	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	31707	2.00	2.00	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	21166	2.00	1.91	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	10557	2.00	1.95	
50 Chloroform	83	8.705	8.705	0.000	97	39604	2.00	2.00	
49 Tetrahydrofuran	42	8.705	8.705	0.000	60	14864	4.00	4.72	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	33811	2.00	1.99	
52 Cyclohexane	56	8.907	8.906	0.001	90	42082	2.00	2.15	
53 Isobutyl alcohol	43	8.954	8.954	0.000	91	23078	50.0	50.1	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	94	28745	2.00	2.04	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	97	30504	2.00	2.03	
57 Benzene	78	9.179	9.179	0.000	96	80119	2.00	2.03	
59 n-Heptane	43	9.191	9.191	0.000	93	34002	2.00	2.19	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	33916	2.00	2.02	
62 Trichloroethene	95	9.654	9.653	0.001	94	21657	2.00	2.00	
64 Methylcyclohexane	83	9.796	9.796	0.000	97	33480	2.00	2.09	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	20314	2.00	1.96	
66 1,4-Dioxane	88	9.938	9.926	0.012	0	879	40.0	29.4	M
67 Dibromomethane	93	9.998	9.997	0.001	96	14187	2.00	2.11	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	29042	2.00	1.99	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	13378	2.00	2.04	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	32691	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	98572	10.0	9.89	
74 Toluene	92	10.650	10.650	0.000	97	49619	2.00	2.06	
75 Ethyl methacrylate	69	10.721	10.721	0.000	92	21220	2.00	1.82	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	29063	2.00	1.95	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	93	14017	2.00	1.89	
80 2-Hexanone	43	11.053	11.053	0.000	95	66386	10.0	9.63	M
81 Tetrachloroethene	166	11.089	11.088	0.001	95	22584	2.00	1.99	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	94	30328	2.00	2.02	
83 Chlorodibromomethane	129	11.338	11.337	0.001	91	20108	2.00	1.86	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	94	20090	2.00	2.10	
88 Ethylbenzene	91	11.800	11.800	0.000	96	97937	2.00	2.04	
87 Chlorobenzene	112	11.800	11.800	0.000	88	57788	2.00	2.04	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	90	20668	2.00	1.91	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	36963	2.00	1.99	
91 o-Xylene	106	12.239	12.239	0.000	97	38284	2.00	2.06	
92 Styrene	104	12.251	12.250	0.001	93	60719	2.00	2.00	
94 Isopropylbenzene	105	12.500	12.500	0.000	95	100284	2.00	2.09	
95 Bromoform	173	12.523	12.523	0.000	91	11310	2.00	1.77	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	22827	2.00	2.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	78	7189	2.00	1.76	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	112059	2.00	2.03	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	7803	2.00	2.15	
101 Bromobenzene	156	12.915	12.915	0.000	97	25115	2.00	2.04	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	84671	2.00	2.07	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	22371	2.00	2.10	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	23342	2.00	2.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	93	17773	2.00	2.00	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	95	86632	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	105213	2.00	2.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	87319	2.00	2.03	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	48238	2.00	2.03	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	93	49396	2.00	2.02	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	76995	2.00	2.03	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	45224	2.00	1.95	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.108	0.012	74	5116	2.00	2.14	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	93	30999	2.00	1.99	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	88	12049	2.00	1.95	
121 Naphthalene	128	16.579	16.579	0.000	98	61144	2.00	1.80	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	91	29027	2.00	1.94	
S 125 1,2-Dichloroethene, Total	1				0			3.97	
S 126 1,3-Dichloropropene, Total	1				0			3.94	
S 123 Total BTEX	1				0			10.2	
S 124 Xylenes, Total	1				0			4.04	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	2.00	Units: uL	
GAS CORP mix_00125	Amount Added:	2.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

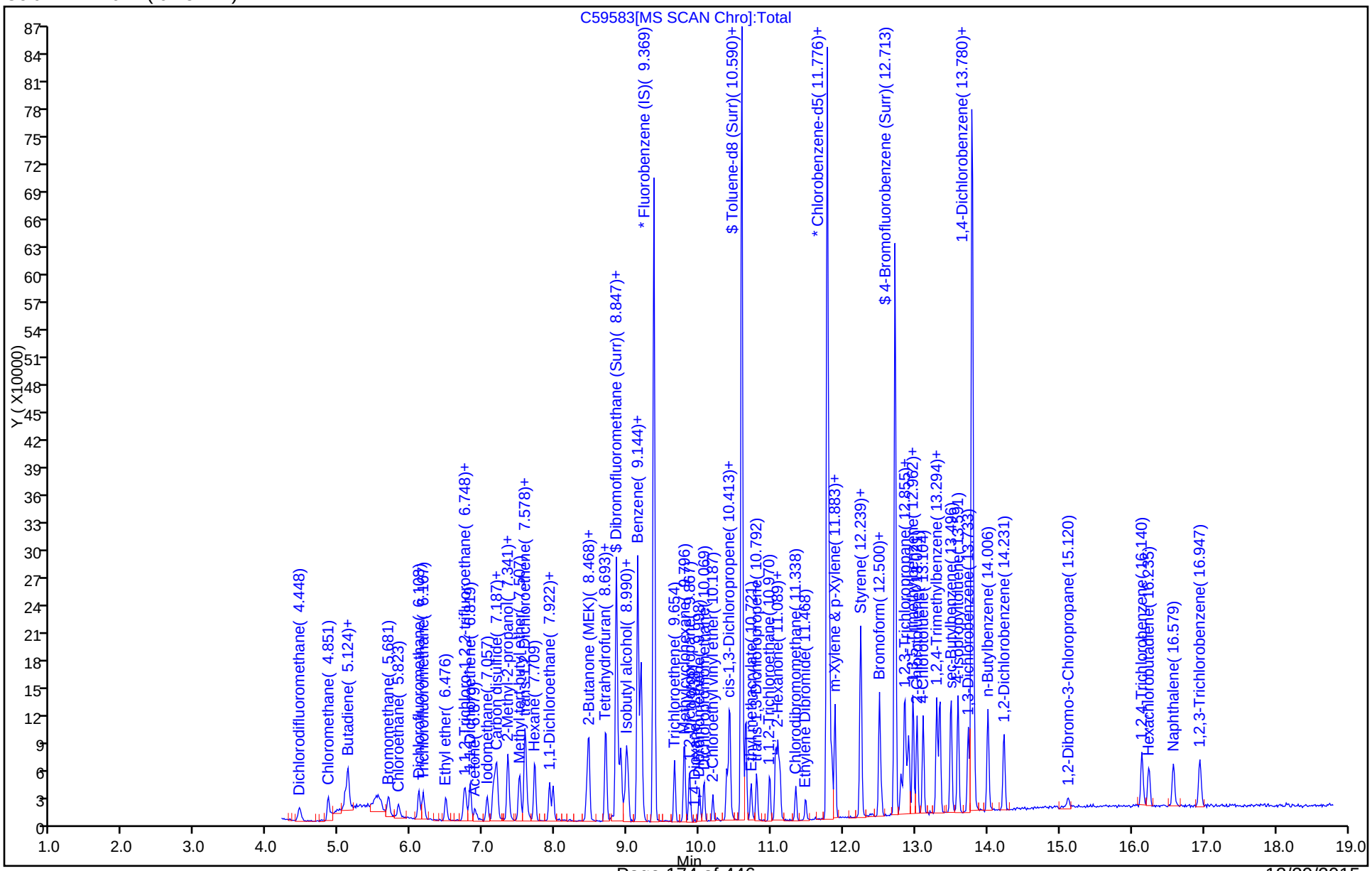
Report Date: 14-Dec-2015 11:36:25 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date:	11-Dec-2015 15:07:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

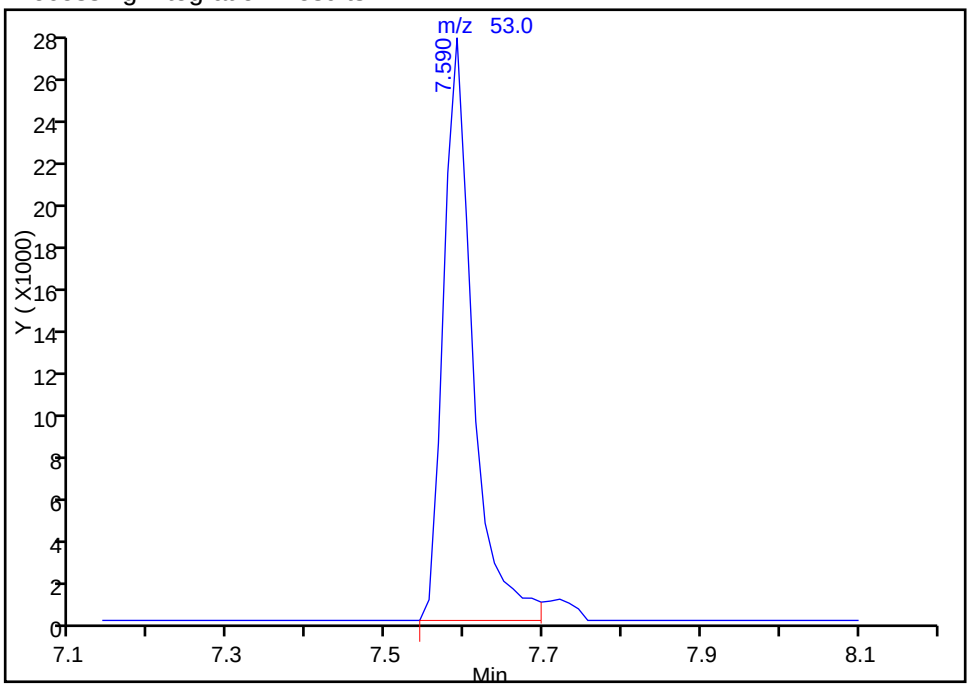
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

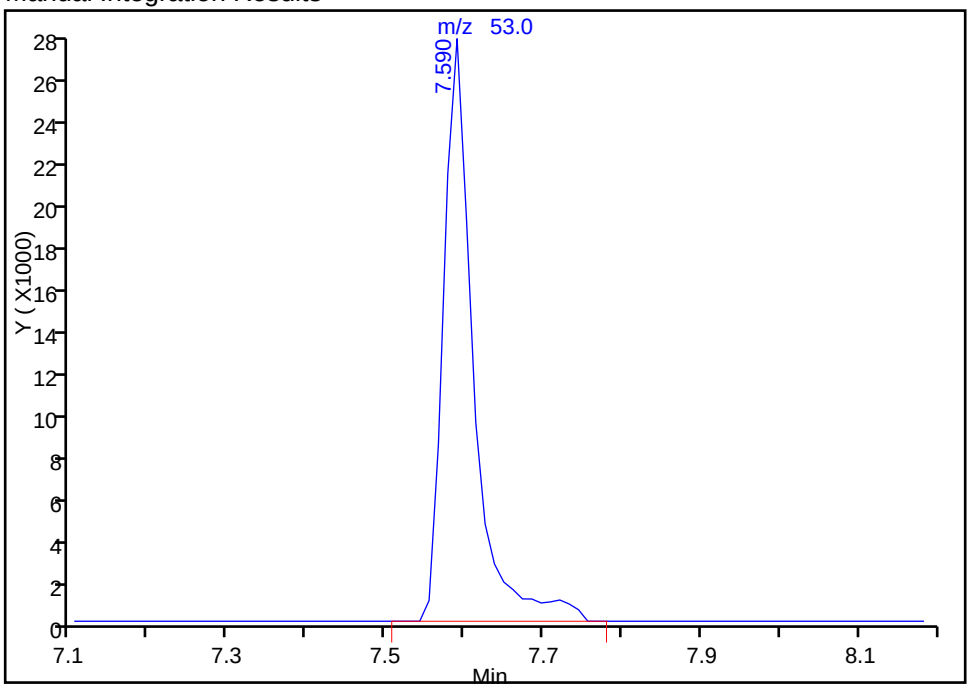
Processing Integration Results

RT: 7.59
Area: 71233
Amount: 19.668904
Amount Units: ug/L



Manual Integration Results

RT: 7.59
Area: 73559
Amount: 20.229955
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

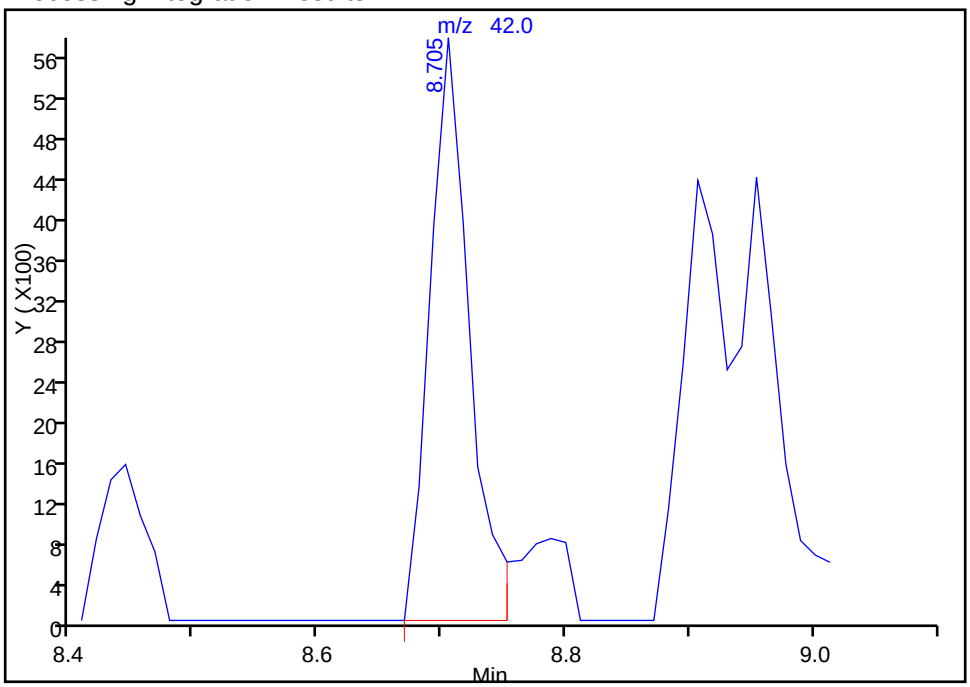
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

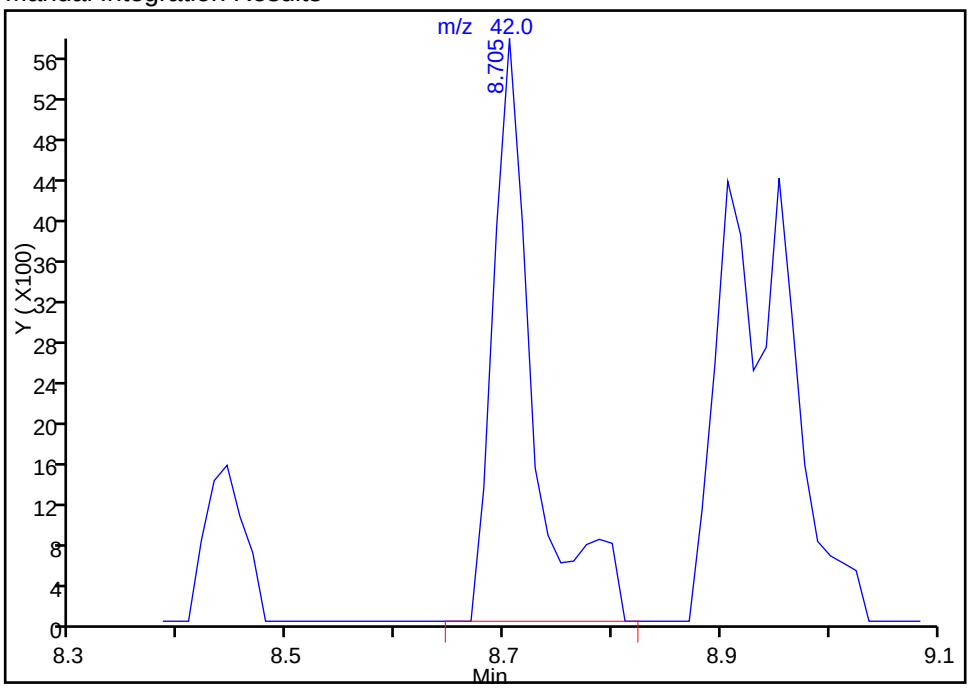
Processing Integration Results

RT: 8.70
Area: 12769
Amount: 4.223486
Amount Units: ug/L



Manual Integration Results

RT: 8.70
Area: 14864
Amount: 4.723692
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

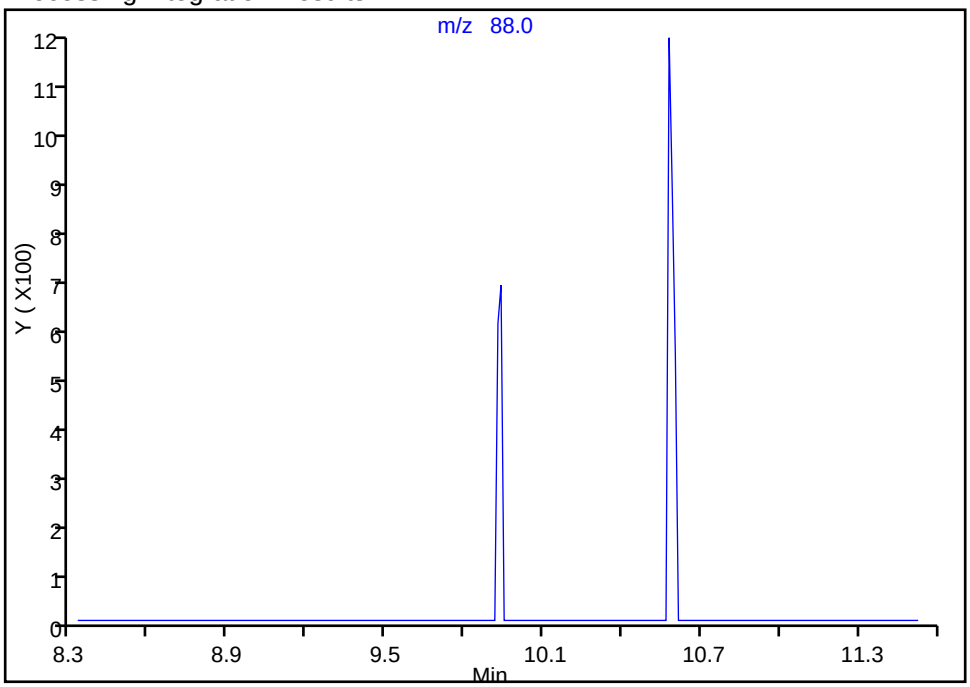
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

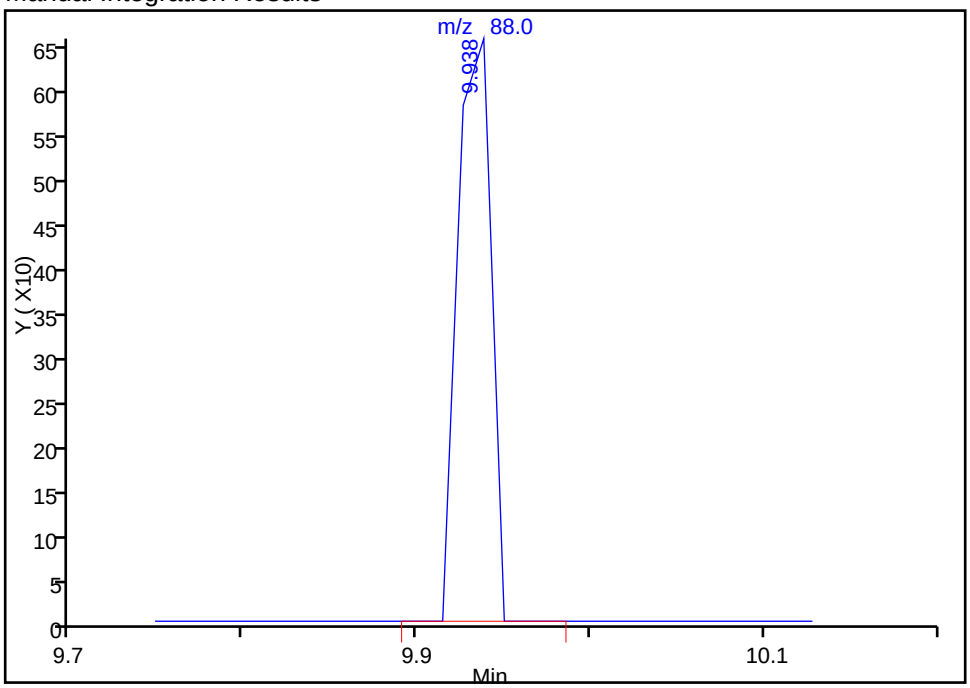
Not Detected
Expected RT: 9.93

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 879
Amount: 29.441910
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

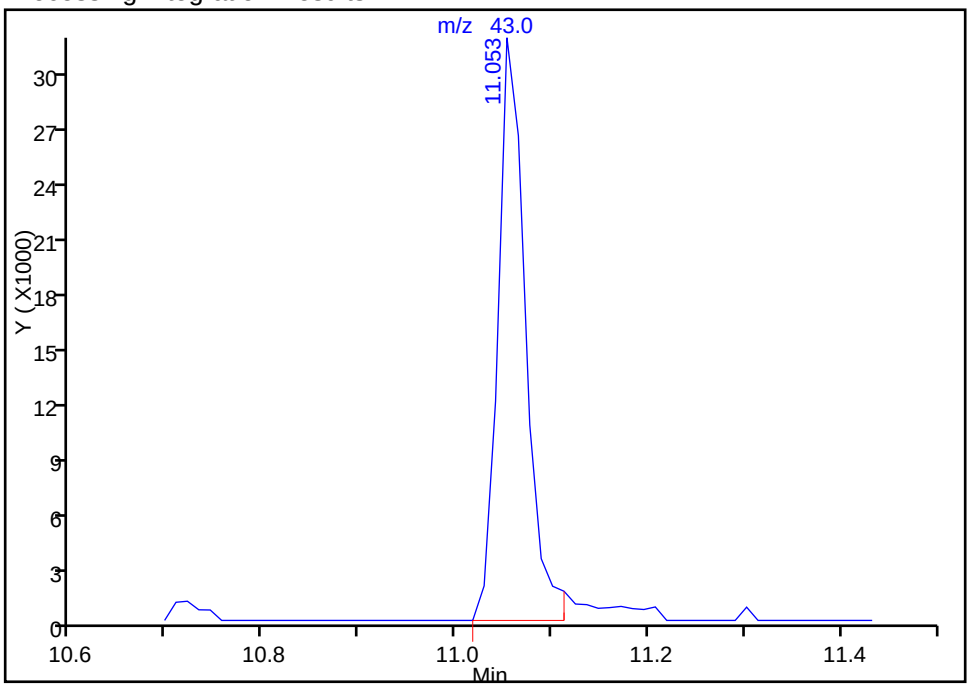
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

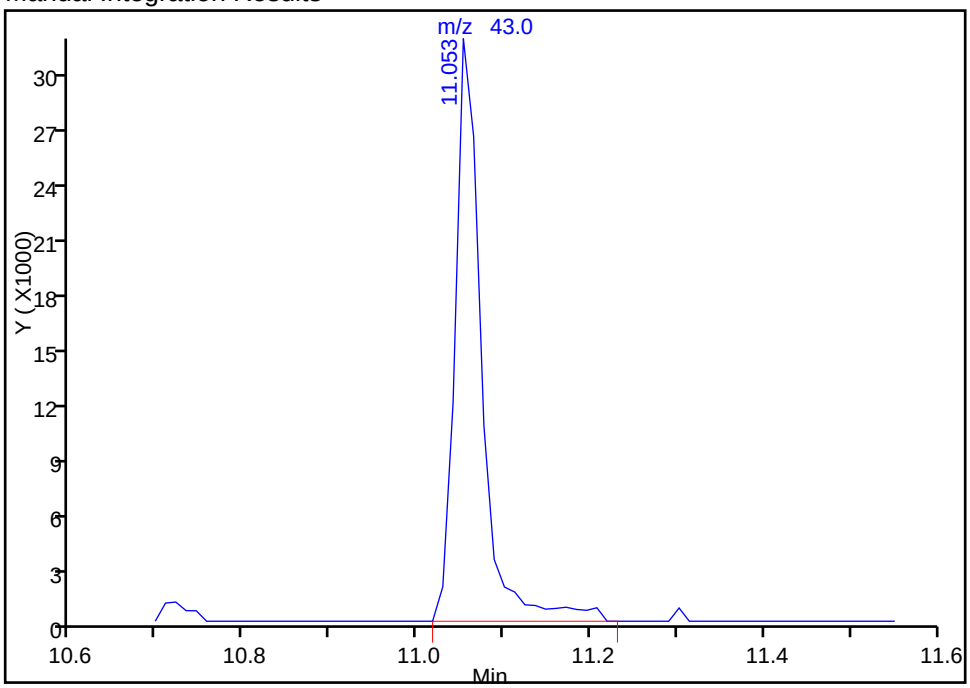
Processing Integration Results

RT: 11.05
Area: 62313
Amount: 9.110161
Amount Units: ug/L



Manual Integration Results

RT: 11.05
Area: 66386
Amount: 9.633924
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Dec-2015 15:58:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049159-007
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:27 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:33:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124682	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	90	258461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	249388	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	164539	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	95842	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	545675	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	190003	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	68873	5.00	5.33	
12 Chloromethane	50	4.839	4.839	0.000	98	67311	5.00	4.97	
13 Vinyl chloride	62	5.076	5.076	0.000	97	60991	5.00	5.19	
151 Butadiene	54	5.124	5.124	0.000	90	61507	5.00	5.04	
14 Bromomethane	94	5.669	5.669	0.000	92	41732	5.00	5.17	
15 Chloroethane	64	5.823	5.823	0.000	99	39844	5.00	5.31	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	101423	5.00	5.10	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	100135	5.00	5.36	
18 Ethyl ether	59	6.475	6.475	0.000	94	47681	5.00	4.97	
20 Acrolein	56	6.724	6.724	0.000	98	36038	25.0	22.2	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	54371	5.00	5.28	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	47858	5.00	5.11	
23 Acetone	43	6.879	6.879	0.000	98	67910	25.0	23.6	
25 Iodomethane	142	7.045	7.045	0.000	98	90709	5.00	5.02	
26 Carbon disulfide	76	7.140	7.140	0.000	99	188874	5.00	5.10	
27 Methyl acetate	43	7.163	7.163	0.000	98	168697	25.0	23.3	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	85486	5.00	4.99	
30 Methylene Chloride	84	7.341	7.341	0.000	98	63925	5.00	5.28	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	49610	50.0	52.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	147612	5.00	4.93	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	94	49693	5.00	4.98	
33 Acrylonitrile	53	7.578	7.578	0.000	99	174657	50.0	48.5	
35 Hexane	57	7.709	7.709	0.000	93	79550	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	196465	10.0	9.32	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	100710	5.00	5.24	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	109341	25.0	25.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	81591	5.00	5.20	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	55801	5.00	5.07	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	28661	5.00	5.35	
50 Chloroform	83	8.705	8.705	0.000	96	98075	5.00	4.98	
49 Tetrahydrofuran	42	8.705	8.705	0.000	52	32166	10.0	10.3	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	88123	5.00	5.24	
52 Cyclohexane	56	8.906	8.906	0.000	92	105269	5.00	5.43	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	50081	125.0	109.7	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	71288	5.00	5.11	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	80398	5.00	5.40	
57 Benzene	78	9.179	9.179	0.000	97	199077	5.00	5.10	
59 n-Heptane	43	9.191	9.191	0.000	94	73499	5.00	4.78	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	81864	5.00	4.92	
62 Trichloroethene	95	9.654	9.654	0.000	94	53953	5.00	5.03	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	84789	5.00	5.34	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	91	53902	5.00	5.24	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	5983	100.0	128.7	M
67 Dibromomethane	93	9.997	9.997	0.000	93	34829	5.00	5.23	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	73129	5.00	5.06	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	32595	5.00	5.00	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	80746	5.00	4.97	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	97	242968	25.0	24.6	
74 Toluene	92	10.650	10.650	0.000	97	126488	5.00	5.29	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	56572	5.00	4.90	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	74855	5.00	5.06	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	37239	5.00	5.07	
80 2-Hexanone	43	11.053	11.053	0.000	97	161891	25.0	23.7	
81 Tetrachloroethene	166	11.088	11.088	0.000	95	59365	5.00	5.28	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	96	77415	5.00	5.19	
83 Chlorodibromomethane	129	11.337	11.337	0.000	89	54497	5.00	5.07	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	48062	5.00	5.07	
88 Ethylbenzene	91	11.812	11.812	0.000	97	242338	5.00	5.09	
87 Chlorobenzene	112	11.800	11.800	0.000	87	145561	5.00	5.19	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	90	57696	5.00	5.37	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	97888	5.00	5.31	
91 o-Xylene	106	12.239	12.239	0.000	98	95633	5.00	5.18	
92 Styrene	104	12.251	12.251	0.000	94	155933	5.00	5.17	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	253803	5.00	5.23	
95 Bromoform	173	12.523	12.523	0.000	93	31355	5.00	4.95	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	56353	5.00	5.02	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	81	20763	5.00	5.03	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	281944	5.00	5.05	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	84	19612	5.00	5.35	
101 Bromobenzene	156	12.915	12.915	0.000	92	64438	5.00	5.17	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	215472	5.00	5.20	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	57394	5.00	5.32	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	58007	5.00	5.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	47570	5.00	5.29	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	94	225098	5.00	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	271164	5.00	5.30	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	229151	5.00	5.27	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	121966	5.00	5.08	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	123139	5.00	4.98	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	201429	5.00	5.26	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	119592	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.120	0.000	82	11740	5.00	4.87	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	82181	5.00	5.22	
120 Hexachlorobutadiene	225	16.247	16.247	0.000	93	35927	5.00	5.74	
121 Naphthalene	128	16.579	16.579	0.000	98	168846	5.00	4.92	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	74537	5.00	4.94	
S 125 1,2-Dichloroethene, Total	1				0			10.0	
S 126 1,3-Dichloropropene, Total	1				0			10.0	
S 123 Total BTEX	1				0			26.0	
S 124 Xylenes, Total	1				0			10.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

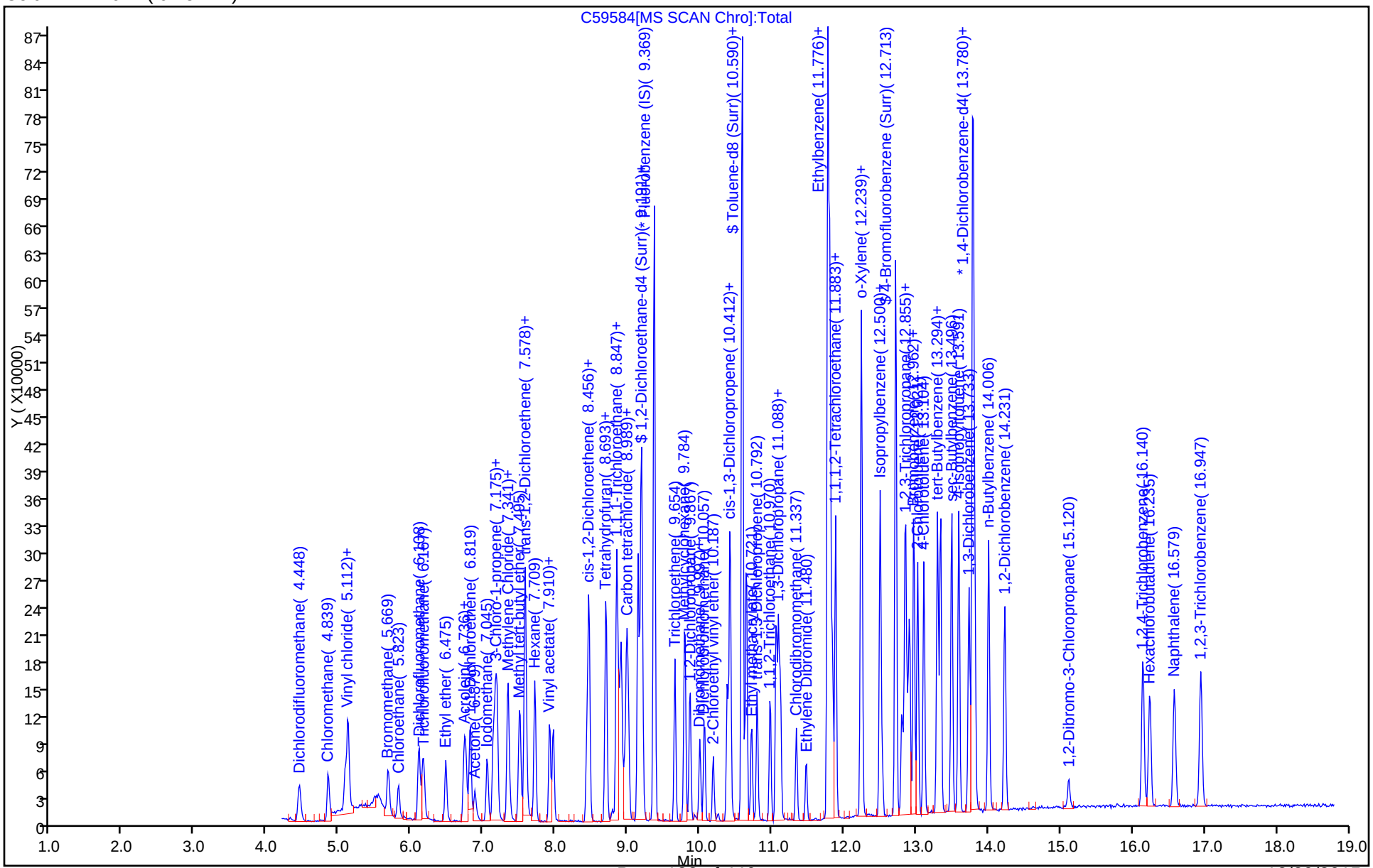
Report Date: 14-Dec-2015 11:36:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D

Injection Date:	11-Dec-2015 15:58:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

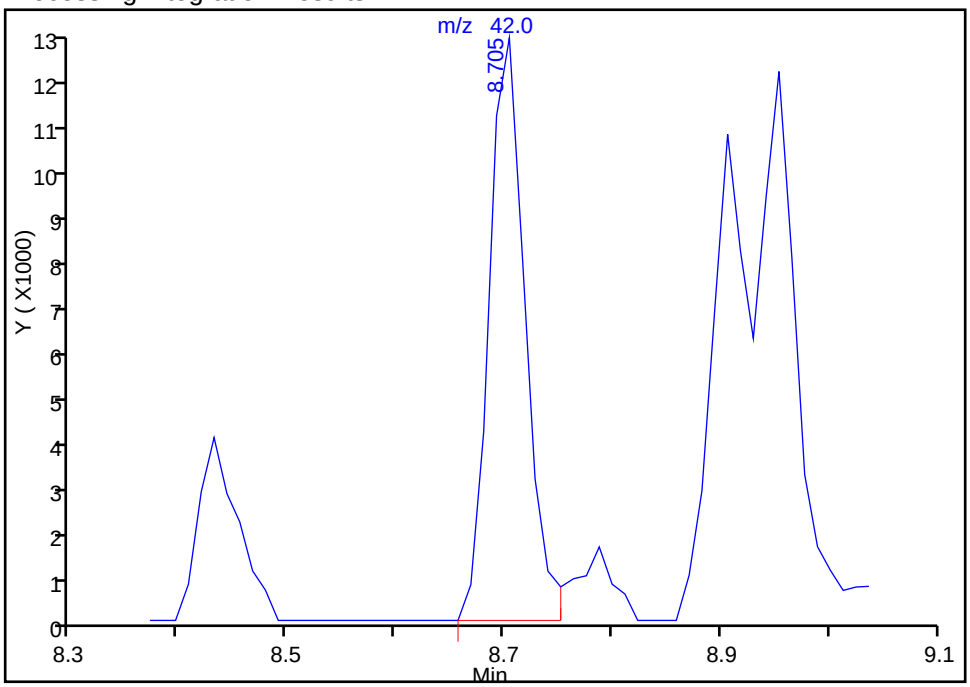
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Injection Date: 11-Dec-2015 15:58:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

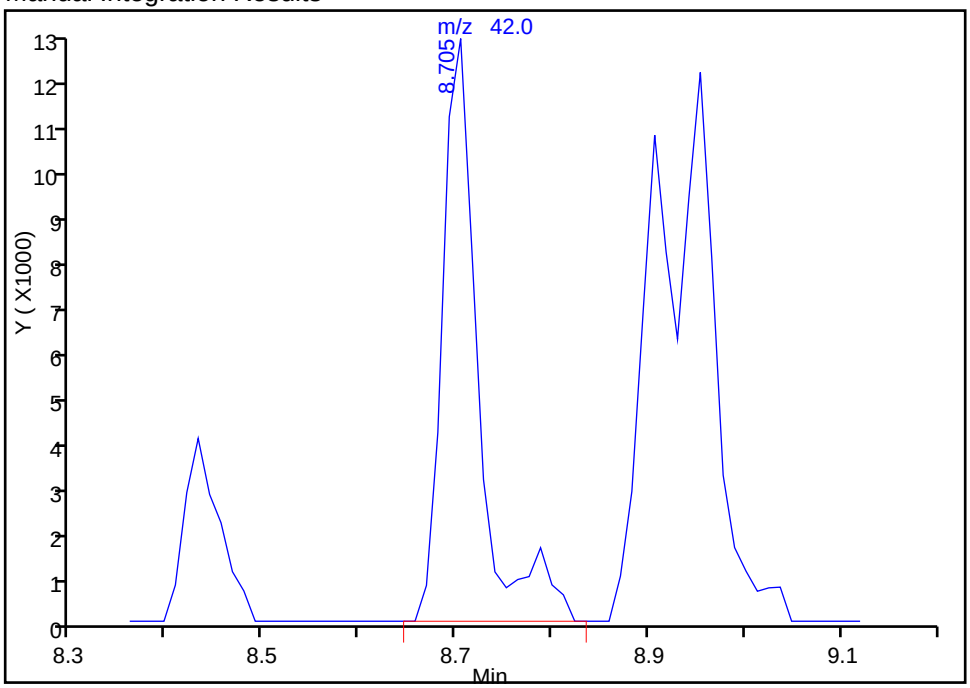
Processing Integration Results

RT: 8.70
Area: 28798
Amount: 9.377073
Amount Units: ug/L



Manual Integration Results

RT: 8.70
Area: 32166
Amount: 10.312187
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:27:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

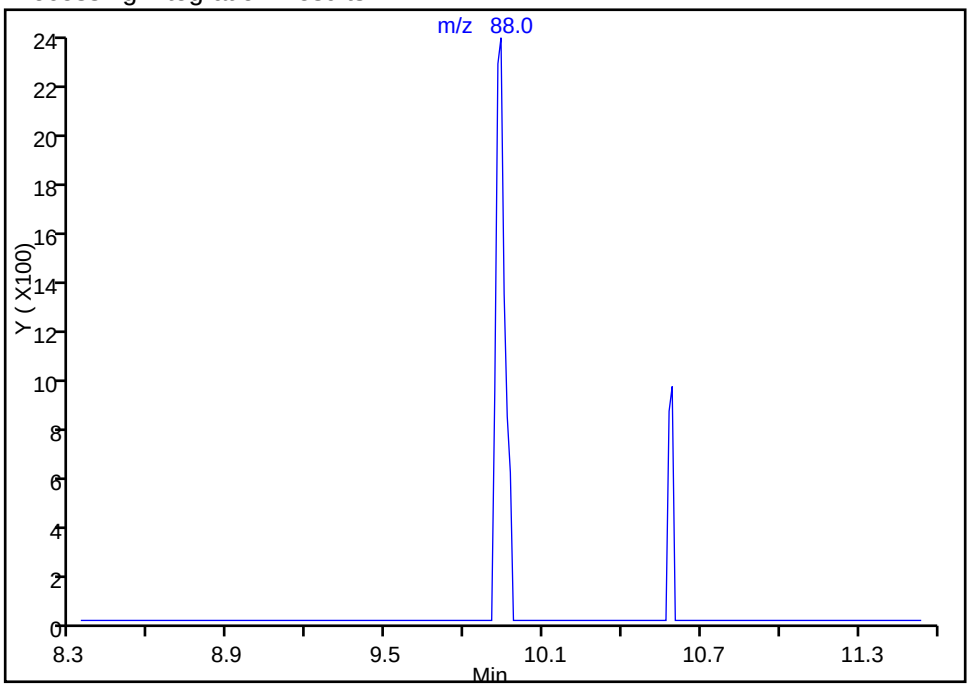
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Injection Date: 11-Dec-2015 15:58:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

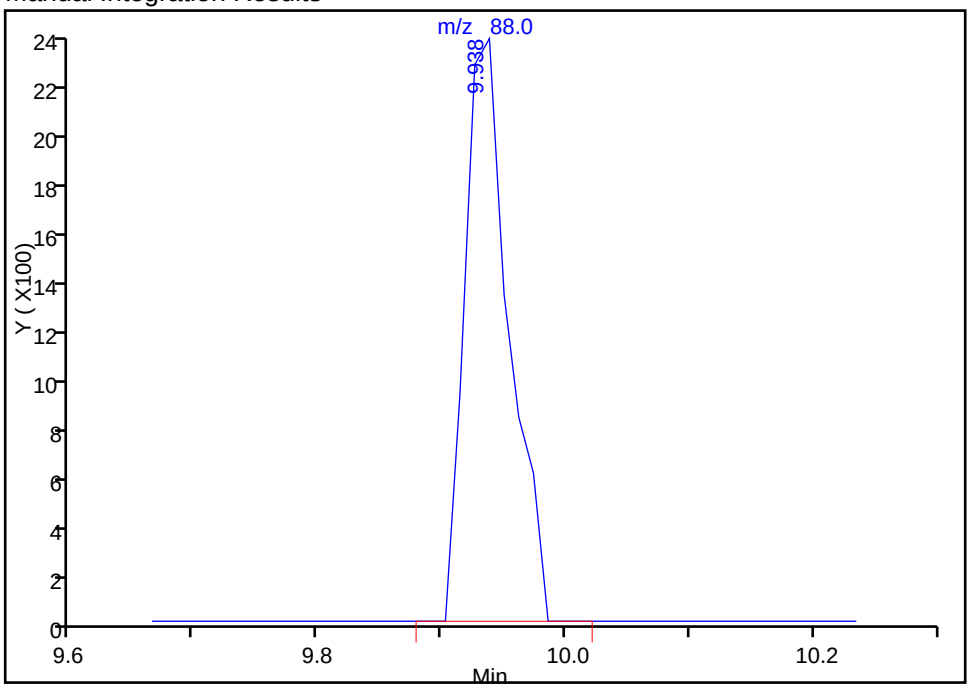
Not Detected
Expected RT: 9.94

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 5983
Amount: 128.7223
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:27:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Dec-2015 16:23:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0049159-008
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:32 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 08:29:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124794	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262097	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	254517	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164856	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	99673	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554801	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	191968	25.0	25.2	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	128034	10.0	9.90	
12 Chloromethane	50	4.839	4.839	0.000	99	123474	10.0	9.11	
13 Vinyl chloride	62	5.076	5.076	0.000	97	114760	10.0	9.76	
151 Butadiene	54	5.124	5.124	0.000	91	114226	10.0	9.34	
14 Bromomethane	94	5.681	5.669	0.012	93	78757	10.0	9.74	
15 Chloroethane	64	5.823	5.823	0.000	99	72948	10.0	9.72	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	189803	10.0	9.53	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	99	185448	10.0	9.92	
18 Ethyl ether	59	6.476	6.475	0.001	94	92829	10.0	9.66	
20 Acrolein	56	6.725	6.724	0.001	99	81993	50.0	50.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	102186	10.0	9.92	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	89583	10.0	9.56	
23 Acetone	43	6.879	6.879	0.000	99	135788	50.0	47.1	
25 Iodomethane	142	7.057	7.045	0.012	99	174871	10.0	9.66	
26 Carbon disulfide	76	7.140	7.140	0.000	100	369103	10.0	9.96	
27 Methyl acetate	43	7.163	7.163	0.000	99	354504	50.0	48.9	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	80	161055	10.0	9.39	
30 Methylene Chloride	84	7.341	7.341	0.000	98	111404	10.0	10.1	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	93406	100.0	98.1	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	295444	10.0	9.87	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	98292	10.0	9.83	
33 Acrylonitrile	53	7.578	7.578	0.000	98	359064	100.0	99.5	
35 Hexane	57	7.709	7.709	0.000	92	152333	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	98	399500	20.0	18.9	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	187155	10.0	9.73	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	211935	50.0	48.5	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	149748	10.0	9.54	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	87	108818	10.0	9.88	
48 Chlorobromomethane	128	8.693	8.693	0.000	95	53939	10.0	10.1	
50 Chloroform	83	8.705	8.705	0.000	97	190133	10.0	9.65	
49 Tetrahydrofuran	42	8.705	8.705	0.000	54	59009	20.0	18.9	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	163546	10.0	9.71	
52 Cyclohexane	56	8.907	8.906	0.001	93	195000	10.0	10.0	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	105663	250.0	231.2	
54 1,1-Dichloropropene	75	8.990	8.978	0.012	94	138246	10.0	9.89	
55 Carbon tetrachloride	117	9.013	9.001	0.012	97	151188	10.0	10.2	
57 Benzene	78	9.179	9.179	0.000	97	376796	10.0	9.64	
59 n-Heptane	43	9.191	9.191	0.000	94	139863	10.0	9.08	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	162276	10.0	9.74	
62 Trichloroethene	95	9.654	9.654	0.000	95	106015	10.0	9.87	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	160717	10.0	10.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	102770	10.0	9.99	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	9027	200.0	185.4	M
67 Dibromomethane	93	9.998	9.997	0.001	95	66863	10.0	10.0	
68 Dichlorobromomethane	83	10.069	10.057	0.012	97	142654	10.0	9.87	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	65248	10.0	10.0	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	161028	10.0	9.89	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	98	501918	50.0	50.1	
74 Toluene	92	10.650	10.650	0.000	98	240345	10.0	9.92	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	118377	10.0	10.1	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	151139	10.0	10.1	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	74593	10.0	10.0	
80 2-Hexanone	43	11.053	11.053	0.000	96	338870	50.0	48.9	
81 Tetrachloroethene	166	11.089	11.088	0.001	96	114740	10.0	10.1	
82 1,3-Dichloropropane	76	11.124	11.112	0.012	94	151660	10.0	10.0	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	107977	10.0	9.91	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	95362	10.0	9.92	
88 Ethylbenzene	91	11.800	11.812	-0.012	96	464541	10.0	9.61	
87 Chlorobenzene	112	11.800	11.800	0.000	87	278417	10.0	9.78	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	107030	10.0	9.83	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	187387	10.0	10.0	
91 o-Xylene	106	12.239	12.239	0.000	98	184399	10.0	9.84	
92 Styrene	104	12.251	12.251	0.000	94	307155	10.0	10.0	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	482612	10.0	9.75	
95 Bromoform	173	12.523	12.523	0.000	94	63975	10.0	9.96	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	110951	10.0	9.69	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.832	-0.012	83	41368	10.0	9.82	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	555749	10.0	9.75	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	38771	10.0	10.4	
101 Bromobenzene	156	12.915	12.915	0.000	91	127962	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	417285	10.0	9.87	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	108529	10.0	9.86	
105 4-Chlorotoluene	126	13.105	13.104	0.000	99	113996	10.0	9.74	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	90191	10.0	9.82	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	95	420664	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	515360	10.0	9.87	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	430176	10.0	9.70	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	238573	10.0	9.74	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	243233	10.0	9.64	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	380343	10.0	9.74	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	233673	10.0	9.78	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.120	-0.011	81	23726	10.0	9.63	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	159922	10.0	9.96	
120 Hexachlorobutadiene	225	16.235	16.247	-0.012	93	61775	10.0	9.67	
121 Naphthalene	128	16.579	16.579	0.000	97	352178	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	150520	10.0	9.77	
S 125 1,2-Dichloroethene, Total	1				0			19.7	
S 126 1,3-Dichloropropene, Total	1				0			20.0	
S 123 Total BTEX	1				0			49.0	
S 124 Xylenes, Total	1				0			19.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

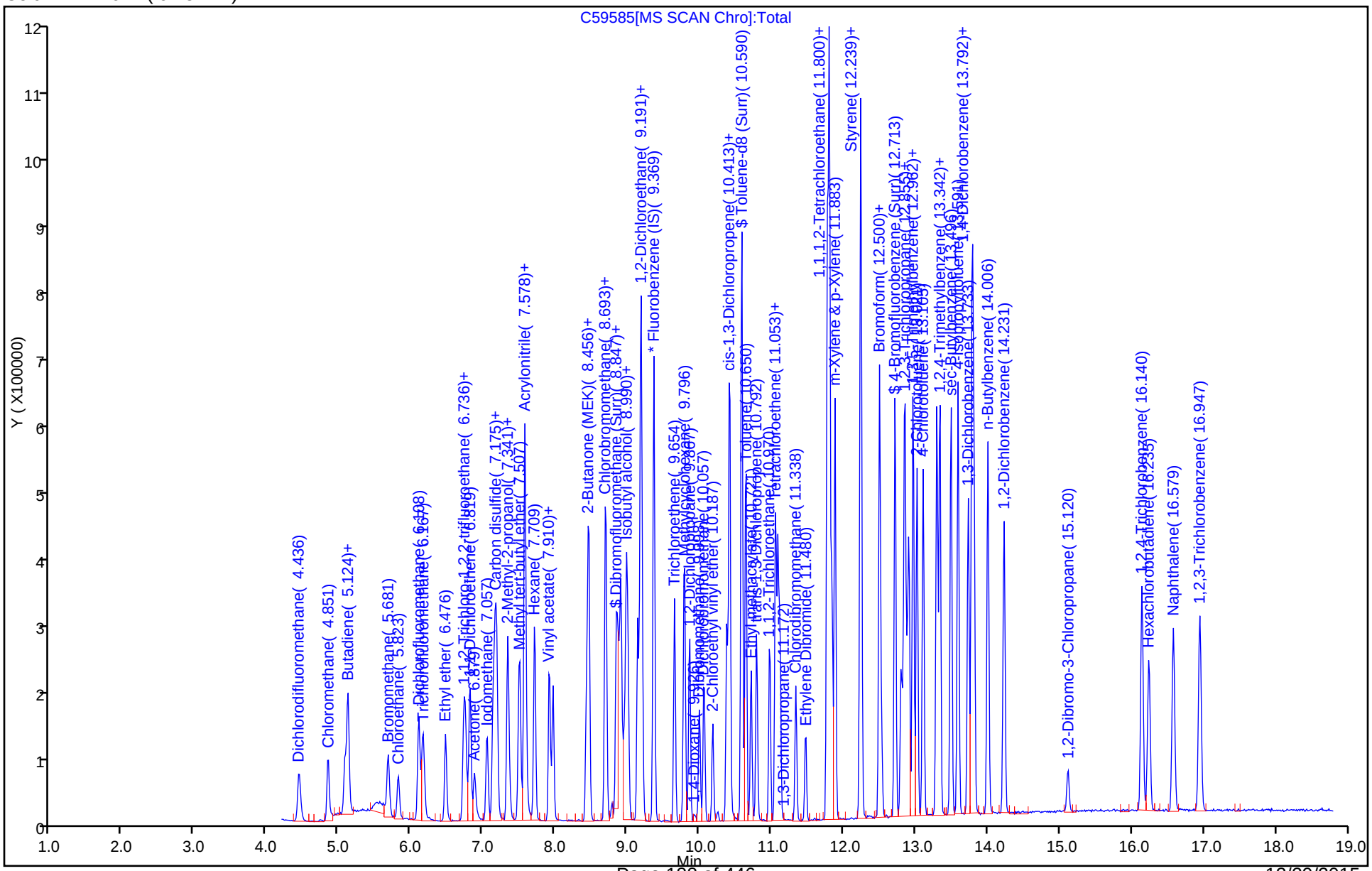
Report Date: 14-Dec-2015 11:36:35 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D

Injection Date:	11-Dec-2015 16:23:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

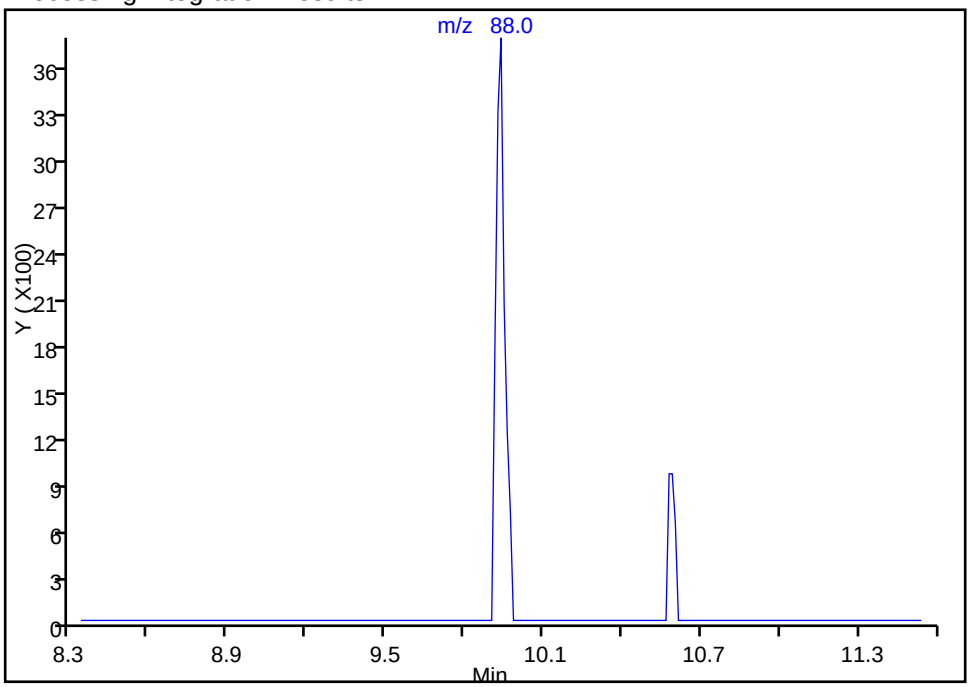
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D
Injection Date: 11-Dec-2015 16:23:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: gtg ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

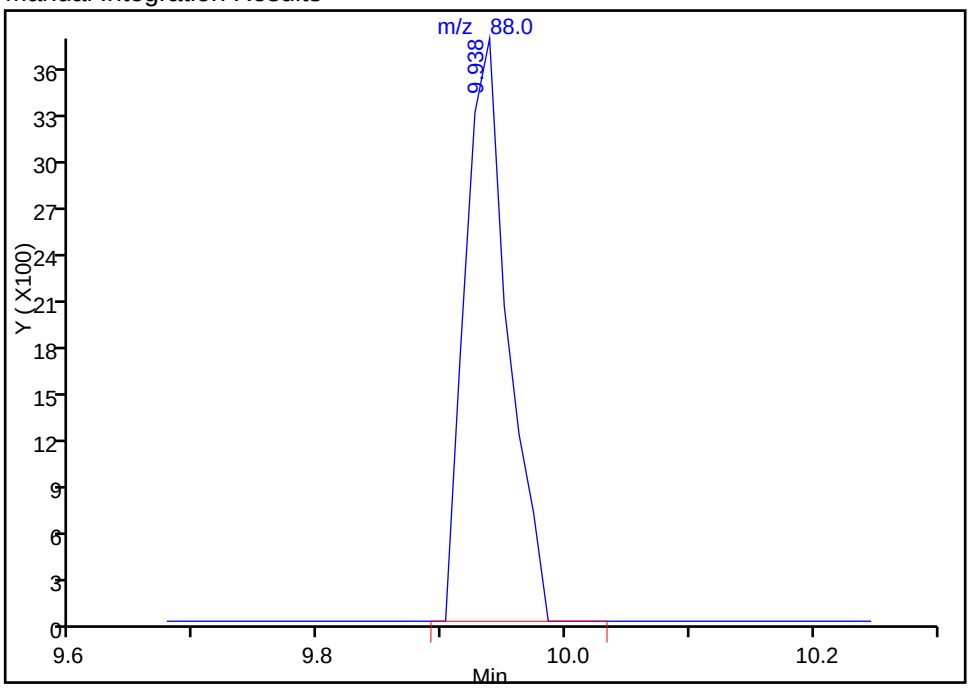
Not Detected
Expected RT: 9.94

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 9027
Amount: 185.4204
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:28:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59586.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 11-Dec-2015 16:49:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0049159-009
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 12:05:05 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 11:35:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	123769	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	88	261294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	69	255093	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	56	162623	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98842	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554868	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	84	191601	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	98	301041	25.0	23.5	
12 Chloromethane	50	4.851	4.851	0.000	100	296363	25.0	22.0	
13 Vinyl chloride	62	5.088	5.088	0.000	84	269390	25.0	23.1	
151 Butadiene	54	5.124	5.124	0.000	90	276552	25.0	22.8	
14 Bromomethane	94	5.693	5.693	0.000	92	188702	25.0	23.5	
15 Chloroethane	64	5.823	5.823	0.000	94	170477	25.0	22.9	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	83	450516	25.0	22.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	84	444926	25.0	24.0	
18 Ethyl ether	59	6.475	6.475	0.000	95	232641	25.0	24.4	
20 Acrolein	56	6.724	6.724	0.000	93	208190	125.0	129.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	86	250972	25.0	24.6	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	88	218187	25.0	23.5	
23 Acetone	43	6.879	6.879	0.000	97	333042	125.0	116.5	
25 Iodomethane	142	7.056	7.056	0.000	99	435242	25.0	24.2	
26 Carbon disulfide	76	7.139	7.139	0.000	99	890715	25.0	24.2	
27 Methyl acetate	43	7.163	7.163	0.000	98	875911	125.0	121.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	390001	25.0	22.9	
30 Methylene Chloride	84	7.341	7.341	0.000	97	258368	25.0	25.3	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	89	239984	250.0	254.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	92	728174	25.0	24.5	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	82	233007	25.0	23.5	
33 Acrylonitrile	53	7.578	7.578	0.000	96	901952	250.0	252.1	
35 Hexane	57	7.709	7.709	0.000	93	368751	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	1047914	50.0	50.1	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	462601	25.0	24.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	532235	125.0	122.7	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	74	368673	25.0	23.7	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	73	260887	25.0	23.9	
48 Chlorobromomethane	128	8.693	8.693	0.000	80	135818	25.0	25.5	
50 Chloroform	83	8.705	8.705	0.000	95	457027	25.0	23.4	
49 Tetrahydrofuran	42	8.705	8.705	0.000	56	147313	50.0	47.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	91	401495	25.0	24.0	
52 Cyclohexane	56	8.906	8.906	0.000	93	483618	25.0	25.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	90	265080	625.0	584.9	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	88	331785	25.0	23.9	
55 Carbon tetrachloride	117	9.013	9.013	0.000	88	372892	25.0	25.2	
57 Benzene	78	9.179	9.179	0.000	98	929895	25.0	24.0	
59 n-Heptane	43	9.191	9.191	0.000	69	347482	25.0	22.8	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	86	402877	25.0	24.4	
62 Trichloroethene	95	9.653	9.653	0.000	94	254002	25.0	23.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	395124	25.0	25.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	89	256361	25.0	25.1	
66 1,4-Dioxane	88	9.926	9.926	0.000	75	25442	500.0	501.4	
67 Dibromomethane	93	9.997	9.997	0.000	86	164539	25.0	24.9	
68 Dichlorobromomethane	83	10.069	10.069	0.000	83	360701	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	167713	25.0	25.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	88	405394	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	98	1263853	125.0	126.5	
74 Toluene	92	10.650	10.650	0.000	92	586489	25.0	24.3	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	308070	25.0	26.4	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	89	386386	25.0	25.8	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	184006	25.0	24.8	
80 2-Hexanone	43	11.053	11.053	0.000	88	874175	125.0	126.5	
81 Tetrachloroethene	166	11.088	11.088	0.000	89	281396	25.0	24.8	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	76	371353	25.0	24.6	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	277322	25.0	25.5	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	244810	25.0	25.5	
87 Chlorobenzene	112	11.800	11.800	0.000	80	690022	25.0	24.3	
88 Ethylbenzene	91	11.800	11.800	0.000	91	1145546	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	67	265675	25.0	24.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	463607	25.0	24.9	
91 o-Xylene	106	12.239	12.239	0.000	86	466939	25.0	25.0	
92 Styrene	104	12.250	12.250	0.000	93	768947	25.0	25.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1188422	25.0	23.9	
95 Bromoform	173	12.523	12.523	0.000	92	168211	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	82	285910	25.0	24.9	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	86	108283	25.0	25.7	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	1373894	25.0	24.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	66	94280	25.0	25.1	
101 Bromobenzene	156	12.915	12.915	0.000	59	312896	25.0	24.5	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	68	1033241	25.0	24.4	
103 2-Chlorotoluene	126	13.021	13.021	0.000	85	270342	25.0	24.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	286445	25.0	24.4	
106 tert-Butylbenzene	134	13.294	13.294	0.000	91	218419	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	97	1070211	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1278275	25.0	24.4	
110 4-Isopropyltoluene	119	13.590	13.590	0.000	94	1074914	25.0	24.2	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	598020	25.0	24.4	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	614583	25.0	24.3	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	951266	25.0	24.3	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	586467	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	63	58036	25.0	23.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	413180	25.0	25.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	86	162484	25.0	25.4	
121 Naphthalene	128	16.579	16.579	0.000	97	937548	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	95	398306	25.0	25.8	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00125	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

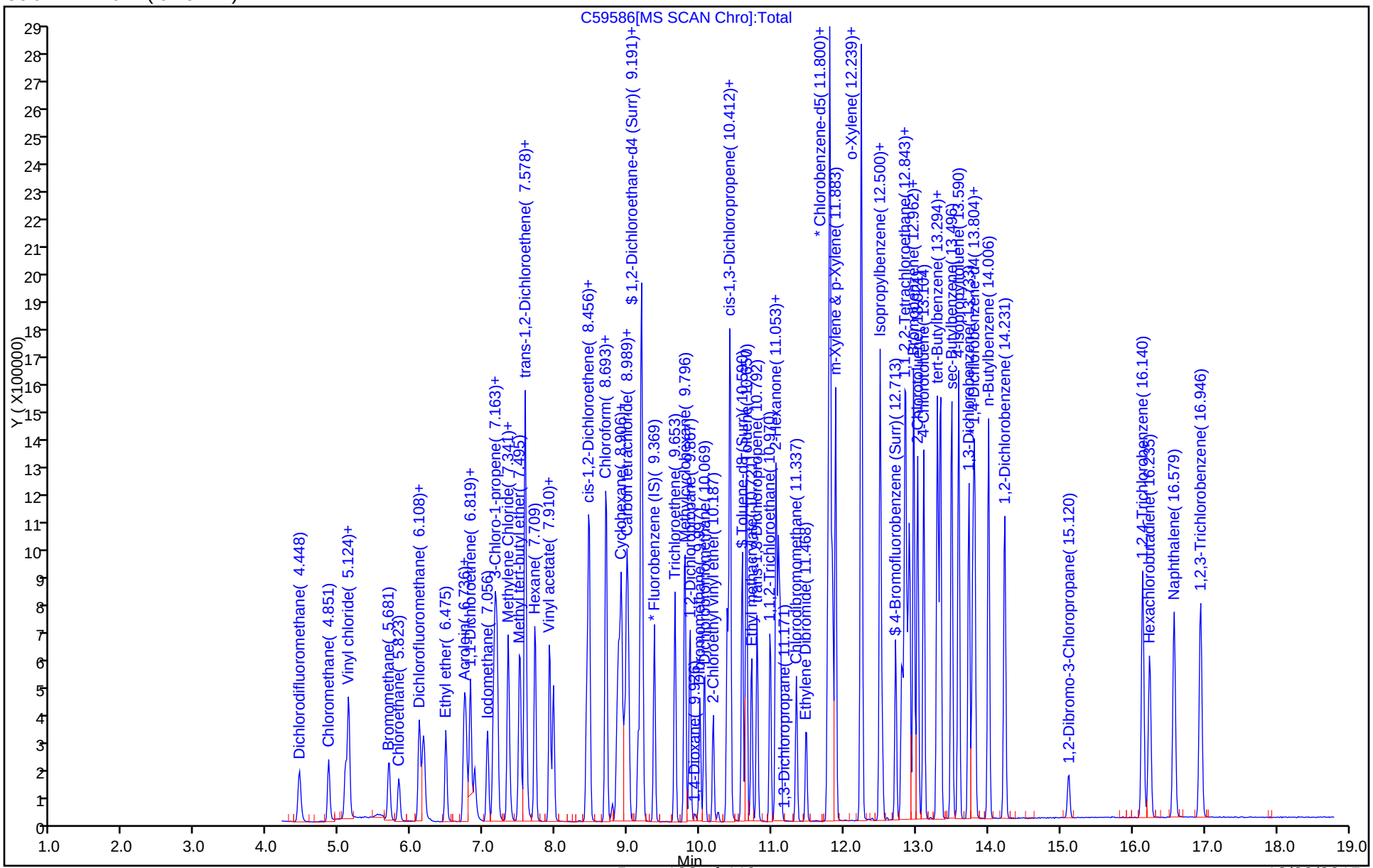
Report Date: 14-Dec-2015 12:05:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59586.D

Injection Date:	11-Dec-2015 16:49:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Dec-2015 17:15:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049159-010
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:41 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:36:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	121151	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260248	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	249414	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	163409	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	101417	25.0	26.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	543933	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	191779	25.0	25.4	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	624086	50.0	49.7	
12 Chloromethane	50	4.851	4.851	0.000	99	594435	50.0	45.2	
13 Vinyl chloride	62	5.088	5.088	0.000	98	549792	50.0	48.2	
151 Butadiene	54	5.124	5.124	0.000	90	545132	50.0	45.9	
14 Bromomethane	94	5.681	5.693	-0.012	92	376714	50.0	48.0	
15 Chloroethane	64	5.823	5.823	0.000	99	343093	50.0	47.1	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	99	904395	50.0	46.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	893289	50.0	49.2	
18 Ethyl ether	59	6.476	6.475	0.001	95	457670	50.0	49.0	
20 Acrolein	56	6.725	6.724	0.001	99	410530	250.0	259.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	498342	50.0	49.8	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	93	430119	50.0	47.3	
23 Acetone	43	6.879	6.879	0.000	99	660829	250.0	236.2	
25 Iodomethane	142	7.057	7.056	0.001	99	852791	50.0	48.5	
26 Carbon disulfide	76	7.140	7.139	0.001	100	1767200	50.0	49.1	
27 Methyl acetate	43	7.163	7.163	0.000	98	1750098	250.0	248.6	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	752080	50.0	45.1	
30 Methylene Chloride	84	7.341	7.341	0.000	98	487918	50.0	49.9	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	99	491802	500.0	532.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	97	1442898	50.0	49.6	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	460987	50.0	47.5	
33 Acrylonitrile	53	7.578	7.578	0.000	98	1775189	500.0	506.9	
35 Hexane	57	7.709	7.709	0.000	93	716994	50.0	47.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	2114769	100.0	103.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	98	900771	50.0	48.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	1066040	250.0	251.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	722839	50.0	47.4	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	518972	50.0	48.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	264196	50.0	50.7	
50 Chloroform	83	8.705	8.705	0.000	95	886828	50.0	46.4	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	60	290119	100.0	95.7	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	787406	50.0	48.2	
52 Cyclohexane	56	8.907	8.906	0.001	93	944857	50.0	50.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	97	552301	1250.0	1245.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	655936	50.0	48.4	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	736487	50.0	50.9	
57 Benzene	78	9.179	9.179	0.000	98	1803239	50.0	47.5	
59 n-Heptane	43	9.191	9.191	0.000	92	652690	50.0	43.7	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	778508	50.0	48.1	
62 Trichloroethene	95	9.654	9.653	0.001	96	498820	50.0	47.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	785929	50.0	51.0	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	488661	50.0	48.9	
66 1,4-Dioxane	88	9.926	9.926	0.000	96	56306	1000.0	1098.8	
67 Dibromomethane	93	9.998	9.997	0.001	96	325082	50.0	50.2	
68 Dichlorobromomethane	83	10.069	10.069	0.001	98	707212	50.0	50.4	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	337670	50.0	53.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	803243	50.0	50.8	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	2486207	250.0	249.8	
74 Toluene	92	10.650	10.650	0.000	98	1151776	50.0	47.9	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	620135	50.0	53.3	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	763245	50.0	51.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	361465	50.0	48.9	
80 2-Hexanone	43	11.053	11.053	0.000	97	1742886	250.0	253.2	
81 Tetrachloroethene	166	11.089	11.088	0.000	96	546309	50.0	48.3	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	729302	50.0	48.5	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	553748	50.0	51.2	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	476701	50.0	49.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	1343077	50.0	47.5	
88 Ethylbenzene	91	11.800	11.800	0.000	95	2267405	50.0	47.3	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	93	534082	50.0	49.4	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	903371	50.0	48.6	
91 o-Xylene	106	12.239	12.239	0.000	98	905289	50.0	48.7	
92 Styrene	104	12.239	12.250	-0.011	94	1527311	50.0	50.3	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	2330372	50.0	48.0	
95 Bromoform	173	12.523	12.523	0.000	94	349734	50.0	54.9	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	571845	50.0	51.0	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	218016	50.0	52.8	
99 N-Propylbenzene	91	12.855	12.855	0.000	99	2677889	50.0	47.9	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	188045	50.0	51.3	
101 Bromobenzene	156	12.903	12.915	-0.012	92	616078	50.0	49.4	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	2025395	50.0	48.9	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	534694	50.0	49.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	559249	50.0	48.8	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	433546	50.0	48.2	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	2085528	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	2518596	50.0	49.2	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	2113048	50.0	48.6	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	1178335	50.0	49.1	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	1196637	50.0	48.4	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	1879092	50.0	49.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	1158831	50.0	49.5	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	83	121920	50.0	50.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	825949	50.0	52.5	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	96	325088	50.0	51.9	
121 Naphthalene	128	16.579	16.579	0.000	97	1914342	50.0	55.8	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	796908	50.0	52.8	
S 125 1,2-Dichloroethene, Total	1				0			96.1	
S 126 1,3-Dichloropropene, Total	1				0			102.1	
S 123 Total BTEX	1				0			240.0	
S 124 Xylenes, Total	1				0			97.3	

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL		
GAS CORP mix_00125	Amount Added: 25.00	Units: uL		
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent	
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent	

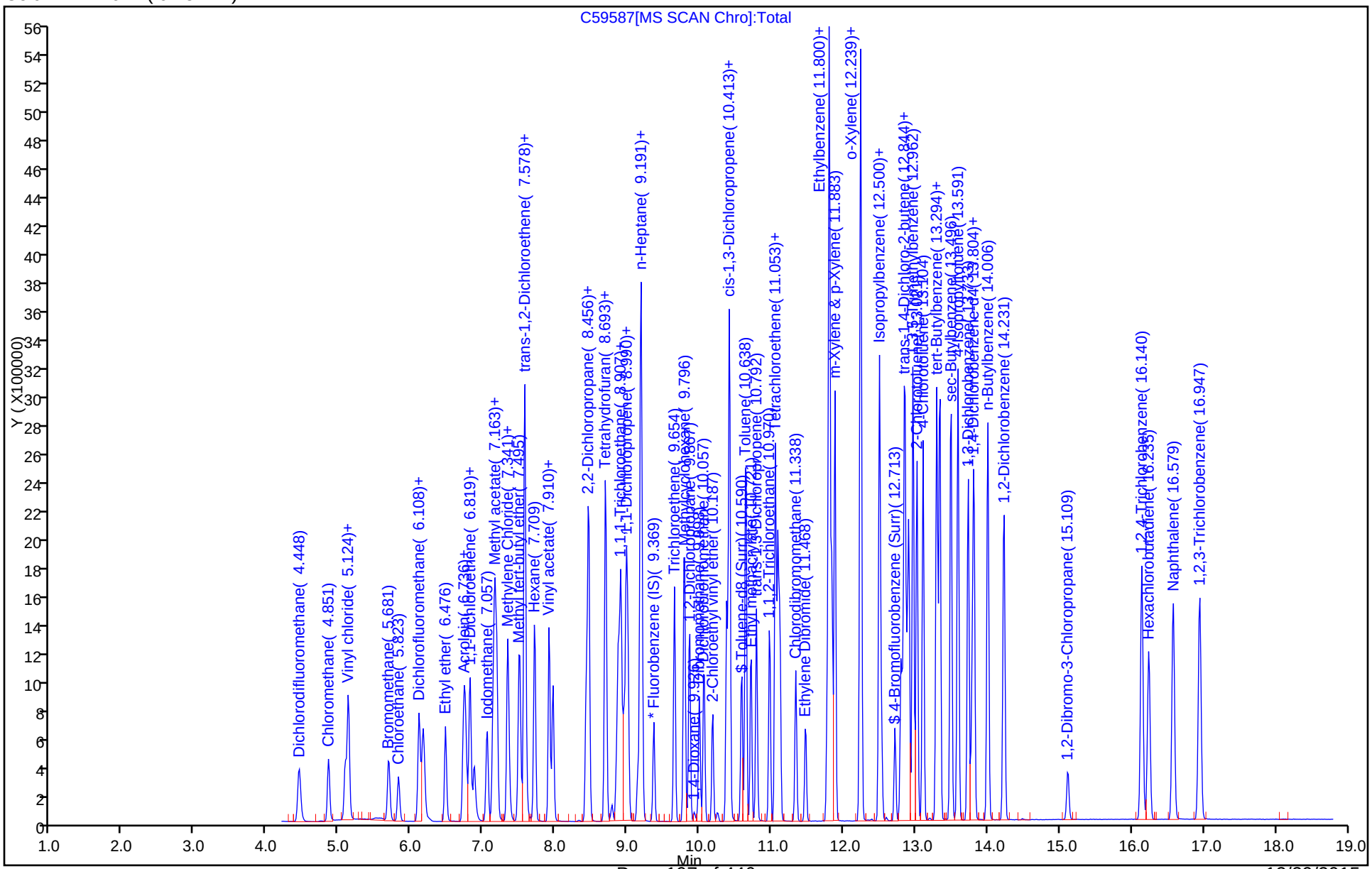
Report Date: 14-Dec-2015 11:36:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D

Injection Date:	11-Dec-2015 17:15:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 11-Dec-2015 17:40:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0049159-011
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:45 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:37:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	119541	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	264321	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	254989	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162889	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	97174	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552249	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	192499	25.0	25.1	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	1253697	100.0	101.2	
12 Chloromethane	50	4.851	4.851	0.000	99	1184747	100.0	91.2	
13 Vinyl chloride	62	5.088	5.088	0.000	99	1095567	100.0	97.3	
151 Butadiene	54	5.136	5.124	0.012	89	1094079	100.0	93.4	
14 Bromomethane	94	5.693	5.693	0.000	93	765682	100.0	98.9	
15 Chloroethane	64	5.823	5.823	0.000	99	697199	100.0	97.0	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	1811787	100.0	95.0	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	1789987	100.0	100.0	
18 Ethyl ether	59	6.476	6.475	0.001	94	903468	100.0	98.1	
20 Acrolein	56	6.725	6.724	0.001	100	813481	500.0	521.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	967757	100.0	98.0	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	95	838571	100.0	93.4	
23 Acetone	43	6.867	6.879	-0.012	99	1283666	500.0	465.0	
25 Iodomethane	142	7.057	7.056	0.001	99	1689113	100.0	97.4	
26 Carbon disulfide	76	7.140	7.139	0.001	100	3436586	100.0	96.8	
27 Methyl acetate	43	7.163	7.163	0.000	98	3409975	500.0	490.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	1470250	100.0	89.4	
30 Methylene Chloride	84	7.341	7.341	0.000	97	948203	100.0	99.6	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	920862	1000.0	1009.8	
32 Methyl tert-butyl ether	73	7.495	7.507	-0.012	98	2821527	100.0	98.4	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	888987	100.0	92.8	
33 Acrylonitrile	53	7.578	7.578	0.000	99	3466555	1000.0	1003.1	
35 Hexane	57	7.709	7.709	0.000	93	1377751	100.0	92.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.911	7.910	0.000	97	4201250	200.0	208.0	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	1766687	100.0	95.9	
43 2-Butanone (MEK)	43	8.420	8.432	-0.012	100	2103349	500.0	502.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	91	1414492	100.0	94.1	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	1008638	100.0	95.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	96	516586	100.0	100.5	
50 Chloroform	83	8.705	8.705	0.000	97	1730371	100.0	91.7	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	62	562460	200.0	188.1	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	1543925	100.0	95.7	
52 Cyclohexane	56	8.907	8.906	0.001	93	1830685	100.0	98.4	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	1048782	2500.0	2396.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	1272727	100.0	95.1	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	1438923	100.0	100.9	
57 Benzene	78	9.179	9.179	0.000	98	3501246	100.0	93.5	
59 n-Heptane	43	9.191	9.191	0.000	92	1268418	100.0	86.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	1496062	100.0	93.8	
62 Trichloroethene	95	9.654	9.653	0.001	95	981309	100.0	95.4	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	1525166	100.0	100.2	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	93	975951	100.0	99.0	
66 1,4-Dioxane	88	9.926	9.926	0.000	98	99175	2000.0	1896.3	
67 Dibromomethane	93	9.998	9.997	0.001	95	636303	100.0	99.7	
68 Dichlorobromomethane	83	10.057	10.069	-0.011	98	1401924	100.0	101.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	661248	100.0	105.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	1594522	100.0	102.3	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	4859187	500.0	480.7	
74 Toluene	92	10.638	10.650	-0.012	98	2259465	100.0	92.5	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	1239978	100.0	105.0	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	1510957	100.0	99.9	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	719138	100.0	95.7	
80 2-Hexanone	43	11.053	11.053	0.000	96	3408963	500.0	487.5	
81 Tetrachloroethene	166	11.089	11.088	0.001	98	1085325	100.0	94.4	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	1440933	100.0	94.4	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	1118399	100.0	101.8	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	949073	100.0	97.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	2662215	100.0	92.7	
88 Ethylbenzene	91	11.800	11.800	0.000	95	4416277	100.0	90.6	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	94	1059719	100.0	96.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	1770809	100.0	93.9	
91 o-Xylene	106	12.239	12.239	0.000	97	1781894	100.0	94.3	
92 Styrene	104	12.239	12.250	-0.011	94	3026047	100.0	98.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	4600013	100.0	92.7	
95 Bromoform	173	12.523	12.523	0.000	94	709342	100.0	109.6	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	1133347	100.0	98.8	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	442481	100.0	104.9	
99 N-Propylbenzene	91	12.844	12.855	-0.011	98	5251776	100.0	92.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	366522	100.0	97.8	
101 Bromobenzene	156	12.903	12.915	-0.012	92	1219050	100.0	95.6	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	3990713	100.0	94.3	
103 2-Chlorotoluene	126	13.022	13.021	0.001	96	1058966	100.0	96.0	
105 4-Chlorotoluene	126	13.105	13.104	0.001	99	1114536	100.0	95.0	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	855894	100.0	93.0	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	4146539	100.0	95.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	4956140	100.0	94.7	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	4200316	100.0	94.5	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	2368902	100.0	96.5	
113 1,4-Dichlorobenzene	146	13.804	13.816	-0.012	95	2377070	100.0	94.0	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	3761182	100.0	96.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	2300155	100.0	96.1	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	85	241937	100.0	98.1	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	1676862	100.0	104.2	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	95	656815	100.0	102.6	
121 Naphthalene	128	16.579	16.579	0.000	97	3916853	100.0	111.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	1600126	100.0	103.7	
S 125 1,2-Dichloroethene, Total	1				0			188.5	
S 126 1,3-Dichloropropene, Total	1				0			202.2	
S 123 Total BTEX	1				0			464.8	
S 124 Xylenes, Total	1				0			188.2	

Reagents:

8260 CORP mix_00061	Amount Added: 50.00	Units: uL	
GAS CORP mix_00125	Amount Added: 50.00	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

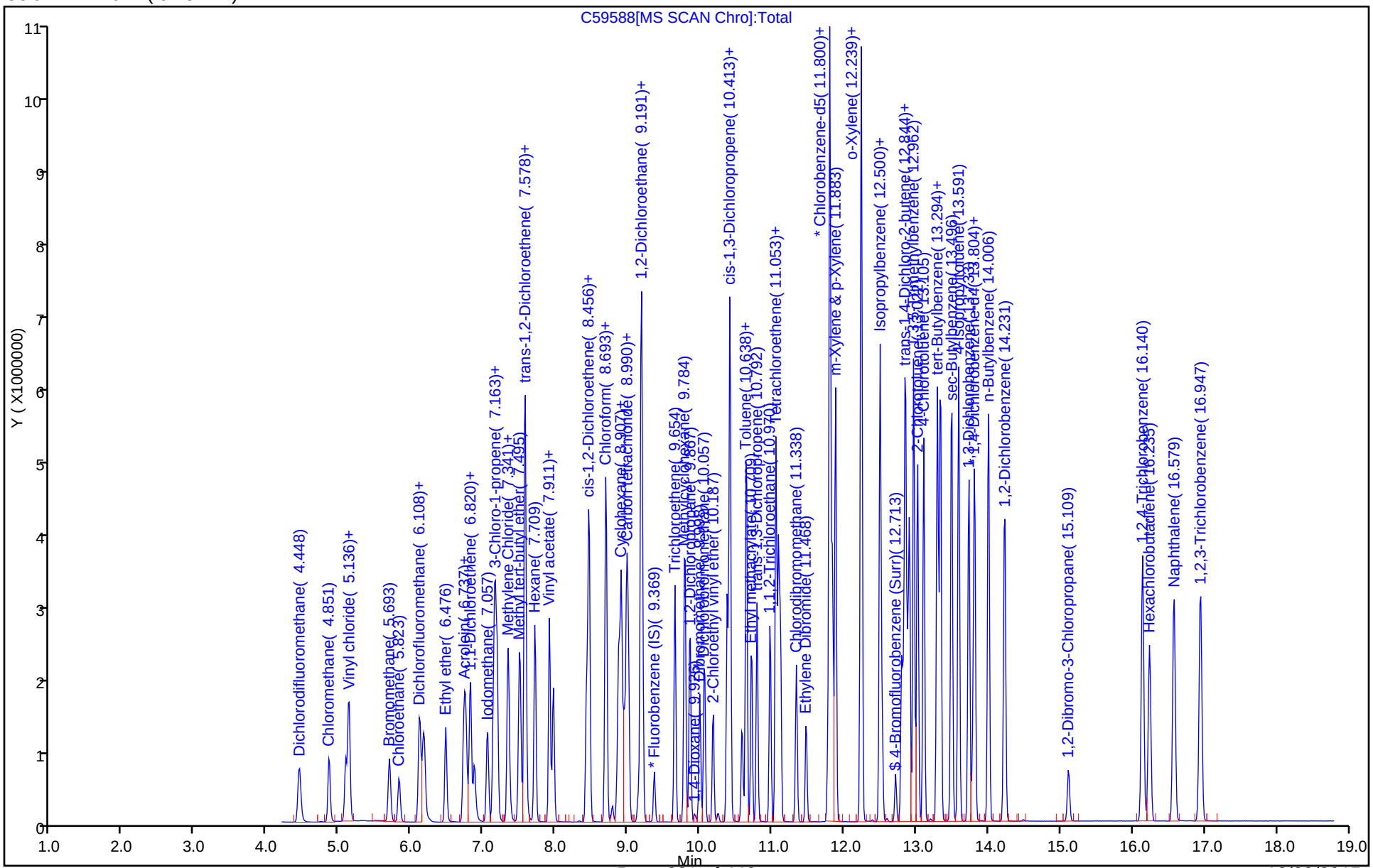
Report Date: 14-Dec-2015 11:36:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D

Injection Date:	11-Dec-2015 17:40:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278716/4	F2996.D
Level 2	IC 480-278716/5	F2997.D
Level 3	IC 480-278716/6	F2998.D
Level 4	IC 480-278716/7	F2999.D
Level 5	ICIS 480-278716/8	F3000.D
Level 6	IC 480-278716/9	F3001.D
Level 7	IC 480-278716/10	F3002.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.9229 1.8412	2.0562 1.8063	2.1391	2.0643	2.0116	Ave		1.9774			0.1000	6.3		20.0			
Chloromethane	1.5411 1.2605	1.4973 1.2229	1.4733	1.4297	1.3560	Ave		1.3973			0.1000	8.7		20.0			
Vinyl chloride	1.3282 1.2280	1.3977 1.1646	1.4060	1.3918	1.3168	Ave		1.3190			0.1000	7.0		20.0			
Butadiene	1.2781 1.1343	1.3104 1.0789	1.3217	1.3278	1.2360	Ave		1.2410				7.9		20.0			
Bromomethane	0.7877 0.6680	0.7772 0.6688	0.7396	0.7730	0.6848	Ave		0.7284			0.1000	7.3		20.0			
Chloroethane	0.5656 0.5145	0.5580 0.5101	0.5518	0.6029	0.5295	Ave		0.5475			0.1000	5.9		20.0			
Dichlorofluoromethane	1.8870 1.5408	1.7961 1.5075	1.7249	1.7909	1.6191	Ave		1.6952				8.4		20.0			
Trichlorofluoromethane	1.8465 1.7832	1.9519 1.7654	1.9572	1.9955	1.8838	Ave		1.8834			0.1000	4.8		20.0			
Ethyl ether	1.1336 1.0258	1.1712 1.1283	1.2348	1.1945	1.1997	Ave		1.1554				5.9		20.0			
Acrolein	0.2260 0.2221	0.2326 0.2138	0.2228	0.2200	0.2170	Ave		0.2220				2.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5149 1.3752	1.5495 1.3708	1.5126	1.5155	1.4772	Ave		1.4737			0.1000	4.9		20.0			
1,1-Dichloroethene	1.4816 1.3491	1.4733 1.3489	1.4596	1.4751	1.4329	Ave		1.4315			0.1000	4.1		20.0			
Acetone	0.4283 0.3800	0.4504 0.3624	0.4113	0.4031	0.3846	Ave		0.4029			0.1000	7.5		20.0			
Iodomethane	2.7545 2.5586	2.8221 2.5317	2.7161	2.7499	2.6854	Ave		2.6883				4.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.9253 4.4085	4.8926 4.3803	4.6997	4.8113	4.6941	Ave		4.6874			0.1000	4.7		20.0			
Methyl acetate	0.9599 0.9379	1.0213 0.8823	0.9622	0.9886	0.9378	Ave		0.9557			0.1000	4.6		20.0			
Allyl chloride	2.0645 1.8031	2.0691 1.7868	2.0065	1.9952	1.9147	Ave		1.9486				6.0		20.0			
Methylene Chloride	+++++ 1.5090	2.0958 1.4724	1.8041	1.7018	1.5987	Lin1	2.9992	1.4792			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1373 0.1508	0.1566 0.1422	0.1438	0.1399	0.1394	Ave		0.1443				4.8		20.0			
Methyl tert-butyl ether	4.7293 4.5348	4.8157 4.4739	4.6825	4.6863	4.6344	Ave		4.6510			0.1000	2.5		20.0			
trans-1,2-Dichloroethene	1.6941 1.4704	1.6569 1.4706	1.6091	1.6174	1.5613	Ave		1.5828			0.1000	5.5		20.0			
Acrylonitrile	0.4185 0.4331	0.4624 0.4139	0.4628	0.4430	0.4291	Ave		0.4375				4.5		20.0			
Hexane	+++++ 2.0337	2.6436 2.0116	2.4069	2.3231	2.2462	Ave		2.3902				15.4		20.0			
Vinyl acetate	2.5722 2.6115	2.7214 2.5024	2.6390	2.6739	2.6585	Ave		2.6256				2.7		20.0			
1,1-Dichloroethane	2.6637 2.4787	2.7160 2.4045	2.6082	2.6449	2.5641	Ave		2.5829			0.2000	4.2		20.0			
2,2-Dichloropropane	2.3774 2.1990	2.4180 2.2122	2.3237	2.3534	2.3209	Ave		2.3150				3.5		20.0			
2-Butanone (MEK)	0.5449 0.6005	0.6088 0.5680	0.6087	0.5920	0.5850	Ave		0.5868			0.1000	4.0		20.0			
cis-1,2-Dichloroethene	1.8328 1.5924	1.7730 1.5817	1.7357	1.7161	1.6915	Ave		1.7033			0.1000	5.4		20.0			
Chlorobromomethane	0.8714 0.8166	0.8576 0.8135	0.8645	0.8504	0.8510	Ave		0.8464				2.7		20.0			
Tetrahydrofuran	0.3860 0.3998	0.4146 0.3754	0.4051	0.4088	0.3935	Ave		0.3976				3.4		20.0			
Chloroform	3.0146 2.6528	2.9829 2.6306	2.8424	2.8386	2.7858	Ave		2.8211			0.2000	5.2		20.0			
1,1,1-Trichloroethane	2.5423 2.3956	2.6232 2.3951	2.5495	2.5409	2.5208	Ave		2.5096			0.1000	3.4		20.0			
Cyclohexane	2.3665 2.0138	2.3529 1.9589	2.2634	2.2631	2.1702	Ave		2.1984			0.1000	7.3		20.0			
1,1-Dichloropropene	2.3043 2.0601	2.3259 2.0253	2.2737	2.2246	2.1913	Ave		2.2008				5.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	2.2159 2.1910	2.2792 2.1910	2.2436	2.3128	2.2864	Ave		2.2457			0.1000	2.2		20.0			
Isobutyl alcohol	0.0423 0.0548	0.0478 0.0527	0.0479	0.0508	0.0499	Ave		0.0495				8.1		20.0			
Benzene	6.4751 5.6132	6.4226 5.4828	6.1451	6.1788	5.9705	Ave		6.0411			0.5000	6.3		20.0			
1,2-Dichloroethane	2.3109 2.0799	2.2724 2.0273	2.2178	2.2209	2.1860	Ave		2.1879			0.1000	4.6		20.0			
n-Heptane	+++++ 1.9080	2.3358 1.8765	2.1367	2.1426	2.0895	Ave		2.1125				8.3		20.0			
Trichloroethene	1.7041 1.5667	1.7139 1.5443	1.6492	1.6746	1.6452	Ave		1.6426			0.2000	4.0		20.0			
Methylcyclohexane	2.9723 2.5543	2.9178 2.5051	2.8128	2.8259	2.7465	Ave		2.7621			0.1000	6.3		20.0			
1,2-Dichloropropane	1.3567 1.2668	1.3927 1.2543	1.3520	1.3661	1.3295	Ave		1.3311			0.1000	3.9		20.0			
1,4-Dioxane	+++++ 0.0068	0.0030 0.0066	0.0058	0.0061	0.0065	Lin1	-0.299	0.0068							0.9990		0.9900
Dibromomethane	0.9803 0.9586	0.9999 0.9443	0.9866	0.9910	0.9795	Ave		0.9772			0.1000	2.0		20.0			
Bromodichloromethane	1.9645 2.0633	1.9969 2.0833	1.9964	2.0464	2.0934	Ave		2.0349			0.2000	2.4		20.0			
2-Chloroethyl vinyl ether	0.7284 0.8188	0.8080 0.8053	0.8012	0.8075	0.8060	Ave		0.7965				3.8		20.0			
cis-1,3-Dichloropropene	2.3942 2.4318	2.4295 2.4094	2.3982	2.4330	2.4722	Ave		2.4240			0.2000	1.1		20.0			
4-Methyl-2-pentanone (MIBK)	0.5615 0.5954	0.6087 0.5549	0.6192	0.6113	0.5948	Ave		0.5923			0.1000	4.2		20.0			
Toluene	+++++ 1.7656	2.0200 1.7373	1.9621	1.9441	1.8617	Ave		1.9054			0.4000	6.3		20.0			
Ethyl methacrylate	+++++ 0.9206	0.8246 0.9035	0.8777	0.8958	0.9193	Ave		0.8787				5.1		20.0			
trans-1,3-Dichloropropene	0.9425 1.0973	1.0029 1.0986	1.0358	1.0689	1.1094	Ave		1.0508			0.1000	5.8		20.0			
1,1,2-Trichloroethane	0.5039 0.5103	0.5207 0.5016	0.5337	0.5247	0.5250	Ave		0.5171			0.1000	2.3		20.0			
Tetrachloroethene	+++++ 0.7942	0.8589 0.7891	0.8704	0.8609	0.8440	Ave		0.8404			0.2000	4.1		20.0			
1,3-Dichloropropane	1.0878 1.0433	1.1033 1.0308	1.1293	1.1111	1.0820	Ave		1.0839				3.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.3577 0.4444	0.4182 0.4127	0.4503	0.4450	0.4397	Ave		0.4240			0.1000	7.7		20.0			
Dibromochloromethane	0.6390 0.7748	0.6543 0.7851	0.6804	0.7254	0.7689	Ave		0.7183			0.1000	8.4		20.0			
1,2-Dibromoethane	0.6320 0.6762	0.6568 0.6641	0.6924	0.6752	0.6892	Ave		0.6694				3.1		20.0			
Chlorobenzene	2.1692 1.9535	2.1189 1.9194	2.0910	2.0809	2.0504	Ave		2.0548			0.5000	4.3		20.0			
Ethylbenzene	+++++ 3.2189	3.6218 3.1412	3.5728	3.5765	3.4257	Ave		3.4598			0.1000	5.9		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.6946	0.6814 0.6998	0.6901	0.6967	0.7222	Ave		0.6933				2.4		20.0			
m,p-Xylene	+++++ 1.3026	1.4549 1.2947	1.4140	1.4284	1.3750	Ave		1.3960			0.1000	5.5		20.0			
o-Xylene	+++++ 1.2646	1.3498 1.2584	1.3713	1.3477	1.3167	Ave		1.3210			0.3000	3.3		20.0			
Styrene	2.2442 2.1603	2.2387 2.1590	2.2794	2.2812	2.2422	Ave		2.2293			0.3000	2.3		20.0			
Bromoform	+++++ 0.4756	0.3742 0.4884	0.3860	0.4126	0.4526	Ave		0.4193			0.1000	12.9		20.0			
Isopropylbenzene	3.6894 3.3233	3.7826 3.2390	3.7456	3.6917	3.5531	Ave		3.5749			0.1000	6.0		20.0			
1,1,2,2-Tetrachloroethane	0.8538 0.8364	0.8770 0.7888	0.8877	0.8629	0.8532	Ave		0.8514			0.3000	3.8		20.0			
Bromobenzene	0.9706 0.9043	1.0114 0.9006	0.9814	0.9592	0.9532	Ave		0.9544				4.2		20.0			
trans-1,4-Dichloro-2-butene	0.2336 0.2745	0.2650 0.2597	0.2699	0.2667	0.2729	Ave		0.2632				5.3		20.0			
N-Propylbenzene	4.5256 3.8986	4.5967 3.7427	4.4650	4.4091	4.1844	Ave		4.2603				7.7		20.0			
1,2,3-Trichloropropane	0.2738 0.2796	0.2896 0.2704	0.2995	0.2959	0.2856	Ave		0.2849				3.8		20.0			
2-Chlorotoluene	0.9036 0.8130	0.9132 0.7974	0.8874	0.8935	0.8618	Ave		0.8671				5.2		20.0			
1,3,5-Trimethylbenzene	3.2313 2.8517	3.2457 2.7650	3.1606	3.1194	3.0506	Ave		3.0606				6.1		20.0			
4-Chlorotoluene	0.9783 0.8677	0.9517 0.8541	0.9589	0.9314	0.9125	Ave		0.9221				5.1		20.0			
tert-Butylbenzene	0.7223 0.6316	0.7140 0.6228	0.7100	0.6993	0.6754	Ave		0.6822				5.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.9276	3.3995 2.8407	3.2889	3.2266	3.1203	Ave		3.1760				7.1		20.0			
sec-Butylbenzene	4.0895 3.5554	4.1799 3.4093	4.0503	3.9500	3.8499	Ave		3.8692				7.4		20.0			
4-Isopropyltoluene	3.4290 3.1167	3.4981 3.0183	3.4518	3.3984	3.3335	Ave		3.3208				5.5		20.0			
1,3-Dichlorobenzene	1.8247 1.6725	1.8785 1.6485	1.8442	1.8009	1.7636	Ave		1.7761			0.6000	4.9		20.0			
1,4-Dichlorobenzene	1.8810 1.6875	1.9043 1.6487	1.8288	1.8196	1.7770	Ave		1.7924			0.5000	5.3		20.0			
n-Butylbenzene	3.1665 2.7796	3.1941 2.6702	3.0871	3.0710	3.0136	Ave		2.9974				6.6		20.0			
1,2-Dichlorobenzene	1.7502 1.5700	1.7146 1.5366	1.7174	1.6835	1.6502	Ave		1.6604			0.4000	4.8		20.0			
1,2-Dibromo-3-Chloropropane	0.1373 0.1853	0.1566 0.1809	0.1564	0.1699	0.1746	Ave		0.1659			0.0500	10.1		20.0			
1,2,4-Trichlorobenzene	1.1392 1.0635	1.1469 1.0545	1.1330	1.0996	1.1234	Ave		1.1086			0.2000	3.3		20.0			
Hexachlorobutadiene	0.6774 0.6103	0.6918 0.6081	0.6785	0.6641	0.6597	Ave		0.6557				5.1		20.0			
Naphthalene	2.9725 2.7626	2.9615 2.6177	2.8818	2.8226	2.8207	Ave		2.8342				4.3		20.0			
1,2,3-Trichlorobenzene	1.0674 0.9822	1.0124 0.9638	1.0455	1.0285	1.0297	Ave		1.0185				3.5		20.0			
Dibromofluoromethane (Surr)	1.1407 1.1468	1.1561 1.1437	1.2539	1.1313	1.1392	Ave		1.1588				3.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.6917 0.6715	0.6926 0.6696	0.7580	0.6720	0.6787	Ave		0.6906				4.5		20.0			
Toluene-d8 (Surr)	2.0165 2.0524	2.0217 2.0599	2.2567	2.0410	2.0500	Ave		2.0712				4.0		20.0			
4-Bromofluorobenzene (Surr)	0.6382 0.6560	0.6438 0.6566	0.7121	0.6533	0.6447	Ave		0.6578				3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278716/4	F2996.D
Level 2	IC 480-278716/5	F2997.D
Level 3	IC 480-278716/6	F2998.D
Level 4	IC 480-278716/7	F2999.D
Level 5	ICIS 480-278716/8	F3000.D
Level 6	IC 480-278716/9	F3001.D
Level 7	IC 480-278716/10	F3002.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	16663 634966	35226 1245450	74399	138420	348109	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	13354 434720	25651 843151	51242	95870	234651	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	11509 423494	23944 802973	48902	93327	227871	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	11075 391184	22449 743927	45968	89034	213889	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	6826 230387	13314 461136	25723	51834	118495	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	4901 177436	9559 351688	19192	40426	91635	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	16352 531369	30769 1039384	59992	120086	280185	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	16001 614961	33439 1217235	68072	133807	325994	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	9823 353768	20064 777988	42947	80097	207600	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	9791 383002	19921 737094	38750	73759	187728	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	13127 474252	26545 945165	52607	101624	255633	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	12839 465274	25240 930089	50764	98912	247961	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Ave	18556 655325	38583 1249290	71525	135153	332767	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	23869 882375	48346 1745617	94466	184394	464695	2.50 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	42680 1520365	83816 3020171	163455	322618	812310	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	41591 1617271	87480 3041835	167328	331443	811414	12.5 500	25.0 1000	50.0	100	250
Allyl chloride	FB	Ave	17890 621839	35446 1231958	69785	133791	331335	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Lin1	+++++ 520405	35904 1015223	62748	114113	276652	+++++ 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	11896 520232	26836 980718	50030	93840	241262	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	40981 1563895	82499 3084698	162859	314239	801977	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	14680 507099	28384 1013986	55966	108452	270178	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	36266 1493680	79210 2853537	160975	297041	742596	25.0 1000	50.0 2000	100	200	500
Hexane	FB	Ave	+++++ 701365	45288 1387011	83712	155778	388708	+++++ 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	44579 1801256	93242 3450728	183567	358594	920092	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	23082 854810	46529 1657905	90712	177352	443706	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	20601 758355	41424 1525318	80818	157808	401632	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	23607 1035457	52146 1958168	105858	198467	506154	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	15882 549163	30374 1090585	60366	115070	292706	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	7551 281623	14691 560925	30069	57022	147257	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	6689 275743	14204 517739	28178	54826	136173	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	26123 914860	51101 1813780	98859	190342	482075	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	22030 826151	44938 1651420	88671	170381	436223	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	20507 694495	40308 1350649	78722	151750	375557	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	19968 710452	39846 1396447	79078	149173	379199	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	19202 755597	39045 1510693	78032	155083	395653	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	9169 472632	20464 908243	41685	85194	216026	62.5 2500	125 5000	250	500	1250

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	56109 1935810	110027 3780349	213727	414320	1033175	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	20025 717308	38929 1397801	77134	148922	378278	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	+++++ 658009	40015 1293847	74314	143670	361581	+++++ 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	14767 540290	29362 1064774	57359	112288	284698	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	25756 880913	49986 1727254	97828	189490	475271	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	11756 436869	23859 864828	47021	91606	230064	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Lin1	+++++ 96922	2180 187879	8315	17042	46765	+++++ 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	8495 330588	17130 651103	34313	66449	169502	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	17023 711558	34210 1436425	69436	137220	362266	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	6312 282367	13842 555275	27866	54145	139469	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	20747 838656	41621 1661263	83408	163143	427813	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	51572 2129979	110663 3969776	222452	423672	1065160	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	+++++ 1263260	73441 2485485	140975	269501	666794	+++++ 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	+++++ 658657	29979 1292565	63065	124179	329259	+++++ 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	17313 785135	36462 1571813	74425	148176	397359	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	9256 365100	18930 717582	38343	72736	188048	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	+++++ 568217	31229 1128966	62539	119339	302292	+++++ 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	19983 746497	40112 1474695	81141	154028	387515	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	32855 1589775	76022 2952423	161789	308469	787366	12.5 500	25.0 1000	50.0	100	250
Dibromochloromethane	CBZ	Ave	11739 554352	23790 1123248	48887	100562	275404	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	11610 483848	23879 950151	49747	93600	246827	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	39849 1397690	77040 2746100	150237	288457	734388	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	+++++ 2303088	131679 4494109	256705	495781	1226966	+++++ 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 496947	24773 1001199	49585	96576	258664	+++++ 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	+++++ 932002	52897 1852369	101594	198003	492477	+++++ 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	+++++ 904839	49074 1800433	98527	186827	471577	+++++ 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	41226 1545668	81395 3088893	163774	316223	803054	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	+++++ 340271	13604 698763	27734	57196	162118	+++++ 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	62071 2254711	124961 4425783	247495	479575	1199401	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	14364 567441	28971 1077779	58656	112093	288019	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	16330 613539	33414 1230553	64850	124606	321759	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	3930 186270	8756 354818	17832	34649	92135	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	76141 2645058	151857 5114014	295032	572766	1412495	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	4607 189706	9567 369519	19791	38444	96402	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	15202 551576	30169 1089601	58634	116070	290903	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	54364 1934796	107225 3778037	208842	405219	1029766	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	16460 588675	31440 1166979	63361	120989	308040	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	12152 428533	23586 850995	46915	90847	228003	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 1986243	112306 3881524	217321	419152	1053313	+++++ 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	68803 2412223	138087 4658432	267630	513124	1299585	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	57690 2114566	115563 4124156	228082	441471	1125258	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	30699 1134761	62058 2252472	121861	233946	595334	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278716

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/08/2015 16:29 Calibration End Date: 12/08/2015 19:04 Calibration ID: 25780

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	31647 1144903	62910 2252758	120844	236378	599852	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	53274 1885876	105519 3648527	203988	398939	1017288	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	29446 1065217	56642 2099633	113480	218693	557064	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	2310 125729	5174 247144	10335	22077	58950	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	19166 721564	37889 1440825	74863	142840	379218	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	11397 414044	22853 830879	44832	86272	222705	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	50011 1874317	97836 3576809	190419	366665	952177	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	17958 666419	33447 1316897	69080	133611	347587	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	197692 197753	198062 197141	218052	189654	197130	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	119869 115793	118658 115424	131815	112656	117454	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	740873 734230	735046 736774	810710	707323	734233	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	234483 234696	234063 234840	255837	226395	230907	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2996.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-Dec-2015 16:29:30 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0049053-004
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 13:49:08 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 10-Dec-2015 17:59:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	173308	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	89	367401	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	96	336487	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	93	197692	50.0	49.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	119869	50.0	50.1	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	740873	50.0	48.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	89	234483	50.0	48.5	
10 Dichlorodifluoromethane	85	1.902	1.908	-0.006	98	16663	2.50	2.43	
12 Chloromethane	50	2.054	2.060	-0.006	98	13354	2.50	2.76	
13 Vinyl chloride	62	2.164	2.176	-0.012	87	11509	2.50	2.52	
151 Butadiene	54	2.170	2.182	-0.012	87	11075	2.50	2.57	
14 Bromomethane	94	2.444	2.462	-0.018	96	6826	2.50	2.70	
15 Chloroethane	64	2.529	2.523	0.006	98	4901	2.50	2.58	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	95	16352	2.50	2.78	
17 Trichlorofluoromethane	101	2.711	2.705	0.006	83	16001	2.50	2.45	
18 Ethyl ether	59	2.912	2.906	0.006	87	9823	2.50	2.45	
20 Acrolein	56	3.070	3.064	0.006	97	9791	12.5	12.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	94	13127	2.50	2.57	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	12839	2.50	2.59	
23 Acetone	43	3.180	3.180	0.000	99	18556	12.5	13.3	
25 Iodomethane	142	3.277	3.277	0.000	99	23869	2.50	2.56	
26 Carbon disulfide	76	3.332	3.332	0.000	99	42680	2.50	2.63	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	74	17890	2.50	2.65	
27 Methyl acetate	43	3.399	3.399	0.000	95	41591	12.5	12.6	
30 Methylene Chloride	84	3.508	3.508	0.000	86	21898	2.50	3.72	
31 2-Methyl-2-propanol	59	3.557	3.557	0.000	74	11896	25.0	23.8	
32 Methyl tert-butyl ether	73	3.654	3.660	-0.006	94	40981	2.50	2.54	
34 trans-1,2-Dichloroethene	96	3.691	3.697	-0.006	97	14680	2.50	2.68	
33 Acrylonitrile	53	3.715	3.709	0.006	96	36266	25.0	23.9	
35 Hexane	57	3.831	3.831	0.000	91	26567	2.50	3.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.013	0.000	94	44579	5.00	4.90	
39 1,1-Dichloroethane	63	4.026	4.025	0.001	95	23082	2.50	2.58	
44 2,2-Dichloropropane	77	4.470	4.463	0.007	77	20601	2.50	2.57	
43 2-Butanone (MEK)	43	4.488	4.469	0.019	94	23607	12.5	11.6	M
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	81	15882	2.50	2.69	
48 Chlorobromomethane	128	4.683	4.682	0.001	84	7551	2.50	2.57	
49 Tetrahydrofuran	42	4.713	4.707	0.006	45	6689	5.00	4.85	
50 Chloroform	83	4.719	4.719	0.000	93	26123	2.50	2.67	
51 1,1,1-Trichloroethane	97	4.853	4.859	-0.006	52	22030	2.50	2.53	
52 Cyclohexane	56	4.889	4.889	0.000	87	20507	2.50	2.69	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	94	19968	2.50	2.62	
55 Carbon tetrachloride	117	4.993	4.987	0.006	82	19202	2.50	2.47	
53 Isobutyl alcohol	43	5.066	5.047	0.019	89	9169	62.5	53.5	M
57 Benzene	78	5.163	5.163	0.000	94	56109	2.50	2.68	
58 1,2-Dichloroethane	62	5.206	5.199	0.007	96	20025	2.50	2.64	
59 n-Heptane	43	5.254	5.254	0.000	85	19914	2.50	2.76	
62 Trichloroethene	95	5.680	5.686	-0.006	95	14767	2.50	2.59	
64 Methylcyclohexane	83	5.820	5.820	0.000	85	25756	2.50	2.69	
65 1,2-Dichloropropane	63	5.899	5.905	-0.006	89	11756	2.50	2.55	
66 1,4-Dioxane	88		6.015				ND	ND	
67 Dibromomethane	93	6.033	6.033	0.000	94	8495	2.50	2.51	
68 Dichlorobromomethane	83	6.143	6.148	-0.005	98	17023	2.50	2.41	
69 2-Chloroethyl vinyl ether	63	6.356	6.355	0.001	88	6312	2.50	2.29	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	94	20747	2.50	2.47	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	95	51572	12.5	11.9	
74 Toluene	92	6.818	6.818	0.000	99	37608	2.50	2.72	
75 Ethyl methacrylate	69	7.049	7.037	0.012	64	14868	2.50	2.27	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	17313	2.50	2.24	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	9256	2.50	2.44	
81 Tetrachloroethene	166	7.335	7.341	-0.006	95	15890	2.50	2.59	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	89	19983	2.50	2.51	
80 2-Hexanone	43	7.426	7.414	0.012	95	32855	12.5	10.5	
83 Chlorodibromomethane	129	7.639	7.645	-0.006	88	11739	2.50	2.22	
84 Ethylene Dibromide	107	7.773	7.773	0.000	99	11610	2.50	2.36	
87 Chlorobenzene	112	8.223	8.223	0.000	94	39849	2.50	2.64	
88 Ethylbenzene	91	8.290	8.290	0.000	99	67264	2.50	2.67	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	92	12274	2.50	2.39	
90 m-Xylene & p-Xylene	106	8.400	8.399	0.001	99	27594	2.50	2.72	
91 o-Xylene	106	8.838	8.837	0.001	96	24590	2.50	2.54	
92 Styrene	104	8.856	8.856	0.000	93	41226	2.50	2.52	
95 Bromoform	173	9.130	9.129	0.001	93	6350	2.50	2.00	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	62071	2.50	2.58	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	75	14364	2.50	2.51	
101 Bromobenzene	156	9.586	9.586	0.000	93	16330	2.50	2.54	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.622	0.006	42	3930	2.50	2.22	
99 N-Propylbenzene	91	9.622	9.628	-0.006	98	76141	2.50	2.66	
100 1,2,3-Trichloropropane	110	9.628	9.634	-0.006	52	4607	2.50	2.40	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	15202	2.50	2.61	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	54364	2.50	2.64	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	16460	2.50	2.65	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	12152	2.50	2.65	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	96	57682	2.50	2.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	68803	2.50	2.64	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	57690	2.50	2.58	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	96	30699	2.50	2.57	
113 1,4-Dichlorobenzene	146	10.553	10.559	-0.006	94	31647	2.50	2.62	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	53274	2.50	2.64	
116 1,2-Dichlorobenzene	146	10.900	10.906	-0.006	96	29446	2.50	2.64	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.581	0.006	69	2310	2.50	2.07	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	93	19166	2.50	2.57	
120 Hexachlorobutadiene	225	12.311	12.317	-0.006	95	11397	2.50	2.58	
121 Naphthalene	128	12.445	12.445	0.000	97	50011	2.50	2.62	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	17958	2.50	2.62	
S 123 Total BTEX	1				0			13.3	
S 124 Xylenes, Total	1				0			5.26	
S 125 1,2-Dichloroethene, Total	1				0			5.37	
S 126 1,3-Dichloropropene, Total	1				0			4.71	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	2.50	Units: uL	
GAS CORP mix_00125	Amount Added:	2.50	Units: uL	
F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00405	Amount Added:	1.00	Units: uL	Run Reagent

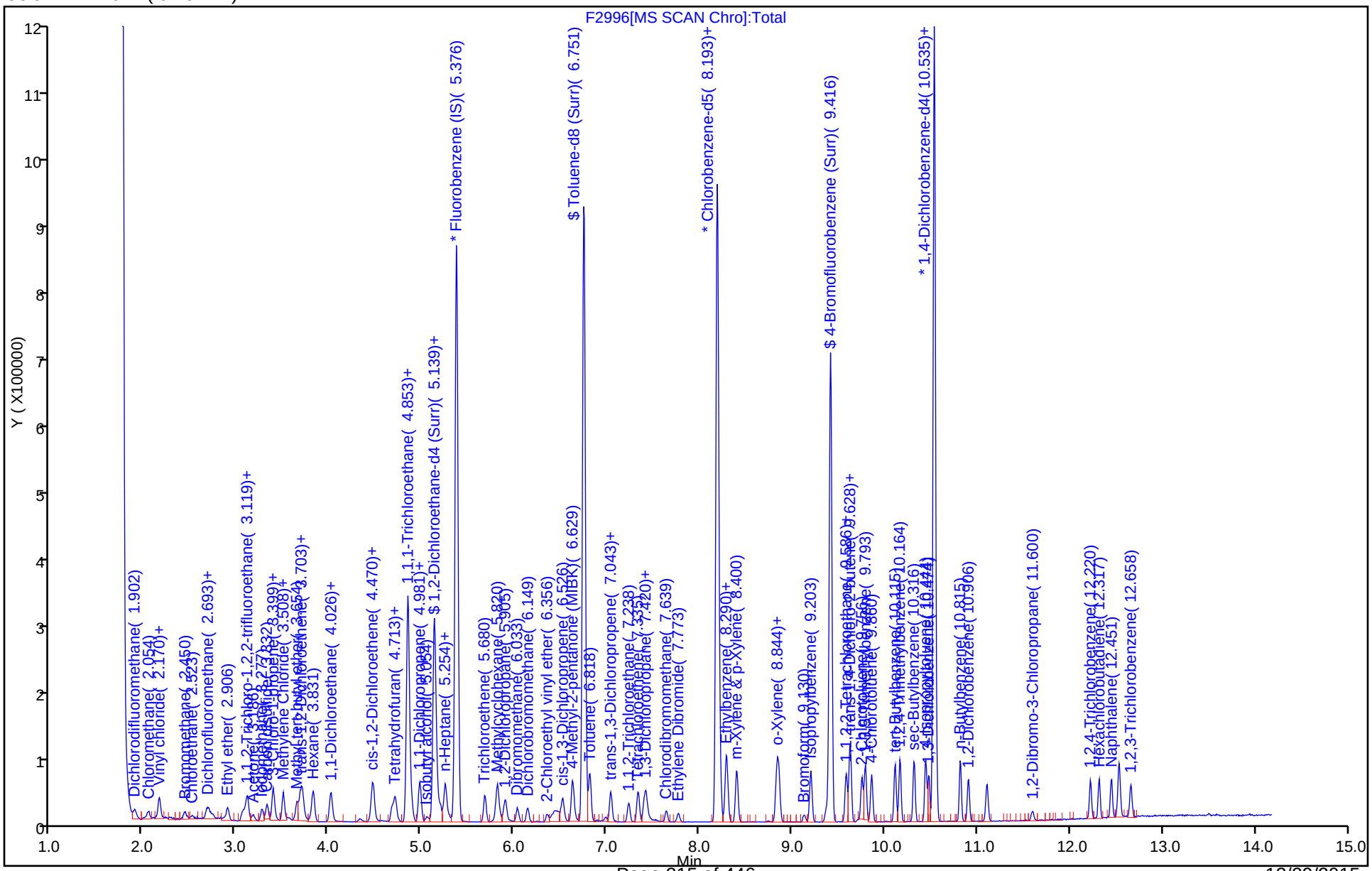
Report Date: 15-Dec-2015 13:49:12 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2996.D

Injection Date:	08-Dec-2015 16:29:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

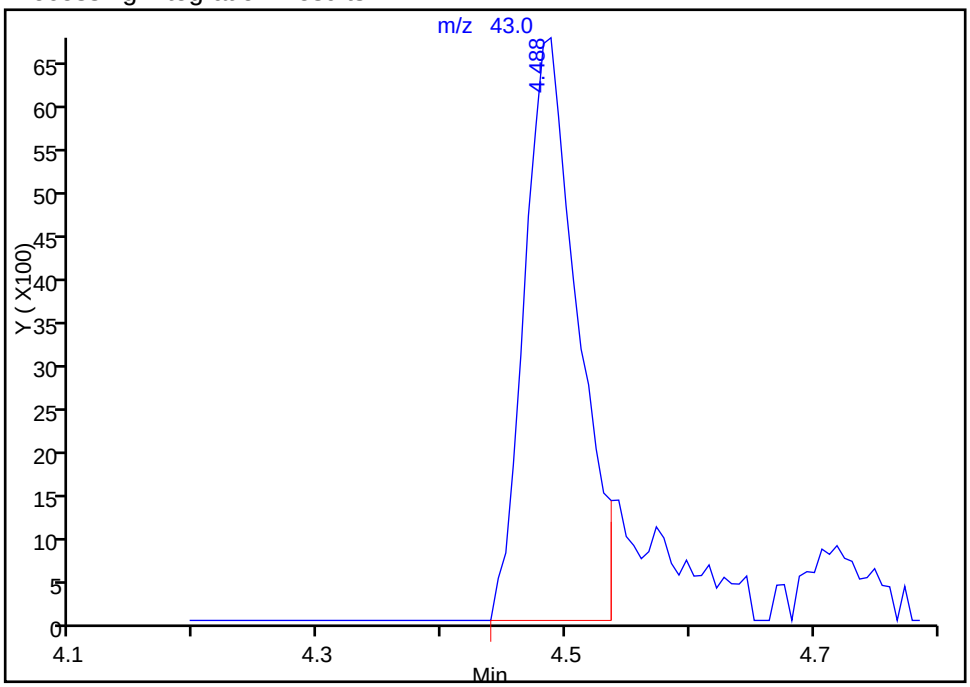
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2996.D
Injection Date: 08-Dec-2015 16:29:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

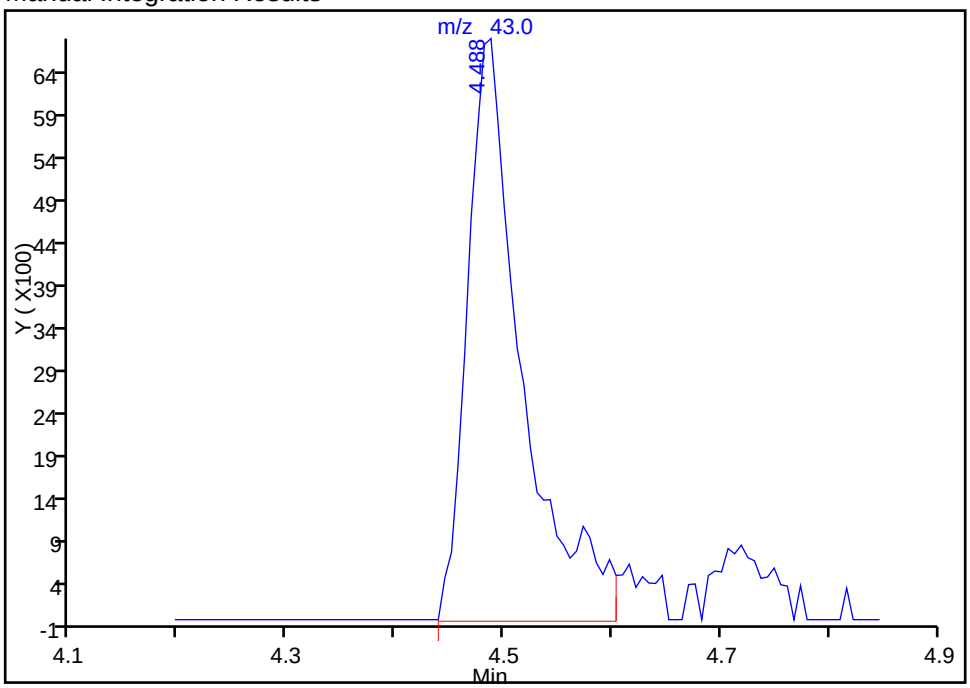
Processing Integration Results

RT: 4.49
Area: 20087
Amount: 10.195348
Amount Units: ug/kg



Manual Integration Results

RT: 4.49
Area: 23607
Amount: 11.605941
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 12:54:03
Audit Action: Manually Integrated
Audit Reason: Other

Manual Integration/User Assign Peak Report

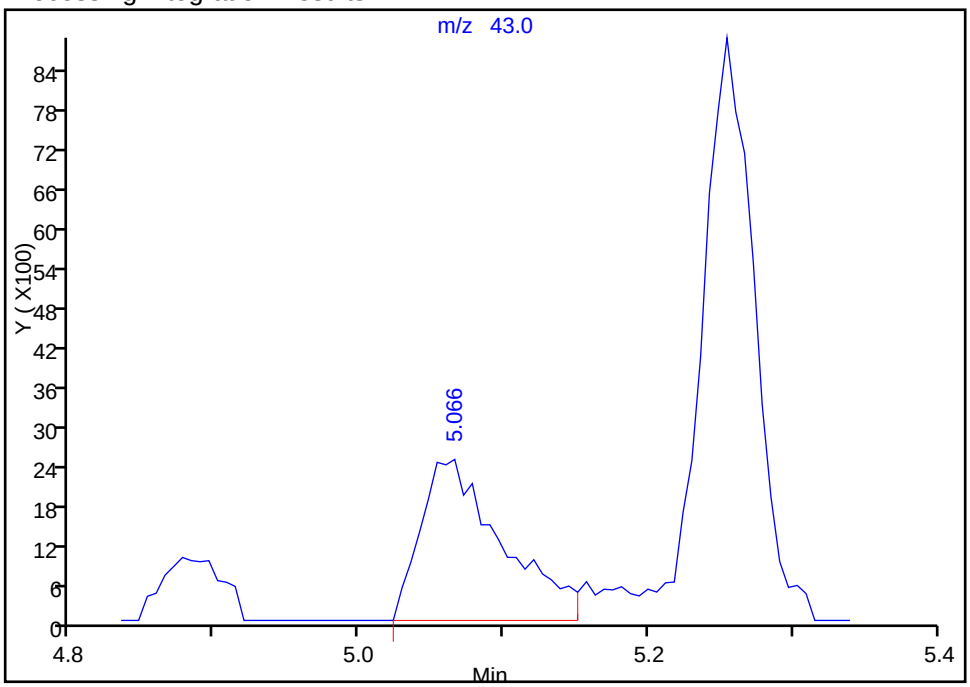
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2996.D
Injection Date: 08-Dec-2015 16:29:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

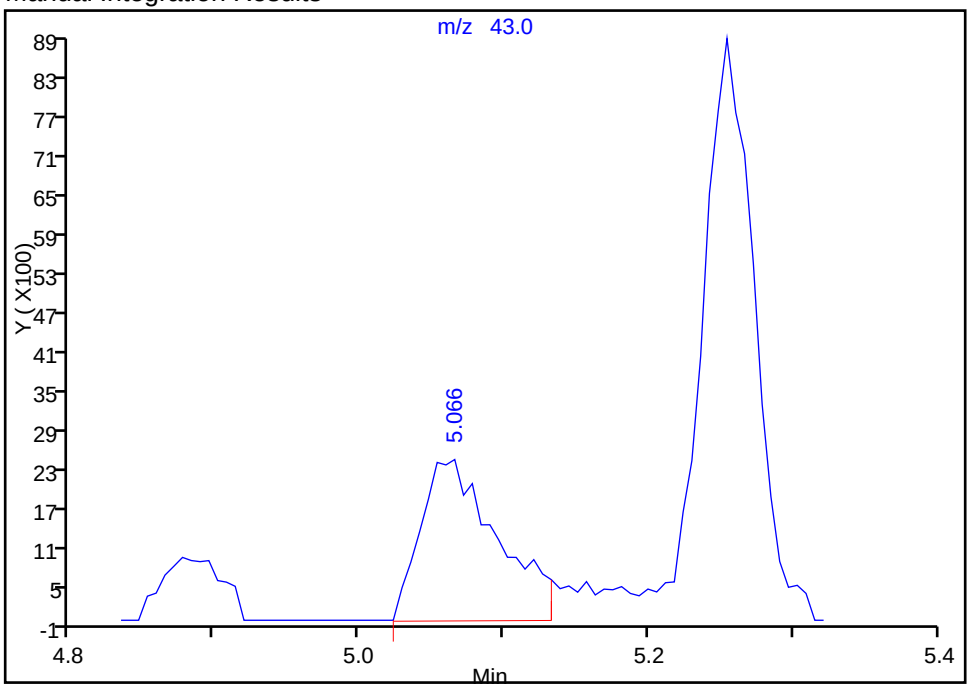
Processing Integration Results

RT: 5.07
Area: 9631
Amount: 53.880048
Amount Units: ug/kg



Manual Integration Results

RT: 5.07
Area: 9169
Amount: 53.469243
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 13:14:48
Audit Action: Manually Integrated
Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2997.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-Dec-2015 16:55:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049053-005
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 13:49:15 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 10-Dec-2015 18:01:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	171313	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	363577	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	97	330359	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	93	198062	50.0	49.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	118658	50.0	50.1	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	735046	50.0	48.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	89	234063	50.0	48.9	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	99	35226	5.00	5.20	
12 Chloromethane	50	2.054	2.060	-0.006	98	25651	5.00	5.36	
13 Vinyl chloride	62	2.170	2.176	-0.006	93	23944	5.00	5.30	
151 Butadiene	54	2.176	2.182	-0.006	89	22449	5.00	5.28	
14 Bromomethane	94	2.450	2.462	-0.012	92	13314	5.00	5.33	
15 Chloroethane	64	2.523	2.523	0.000	97	9559	5.00	5.10	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	97	30769	5.00	5.30	
17 Trichlorofluoromethane	101	2.711	2.705	0.006	98	33439	5.00	5.18	
18 Ethyl ether	59	2.906	2.906	0.000	87	20064	5.00	5.07	
20 Acrolein	56	3.070	3.064	0.006	98	19921	25.0	26.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	92	26545	5.00	5.26	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	25240	5.00	5.15	
23 Acetone	43	3.180	3.180	0.000	99	38583	25.0	28.0	
25 Iodomethane	142	3.277	3.277	0.000	98	48346	5.00	5.25	
26 Carbon disulfide	76	3.332	3.332	0.000	99	83816	5.00	5.22	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	71	35446	5.00	5.31	
27 Methyl acetate	43	3.399	3.399	0.000	95	87480	25.0	26.7	
30 Methylene Chloride	84	3.508	3.508	0.000	85	35904	5.00	5.06	
31 2-Methyl-2-propanol	59	3.563	3.557	0.006	96	26836	50.0	54.3	
32 Methyl tert-butyl ether	73	3.654	3.660	-0.006	93	82499	5.00	5.18	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	96	28384	5.00	5.23	
33 Acrylonitrile	53	3.715	3.709	0.006	98	79210	50.0	52.8	
35 Hexane	57	3.837	3.831	0.006	92	45288	5.00	5.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.013	0.006	97	93242	10.0	10.4	
39 1,1-Dichloroethane	63	4.025	4.025	0.000	96	46529	5.00	5.26	
44 2,2-Dichloropropane	77	4.463	4.463	0.000	76	41424	5.00	5.22	
43 2-Butanone (MEK)	43	4.476	4.469	0.007	96	52146	25.0	25.9	M
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	81	30374	5.00	5.20	
48 Chlorobromomethane	128	4.689	4.682	0.007	81	14691	5.00	5.07	
49 Tetrahydrofuran	42	4.713	4.707	0.006	49	14204	10.0	10.4	M
50 Chloroform	83	4.713	4.719	-0.006	93	51101	5.00	5.29	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	75	44938	5.00	5.23	
52 Cyclohexane	56	4.889	4.889	0.000	86	40308	5.00	5.35	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	97	39846	5.00	5.28	
55 Carbon tetrachloride	117	4.987	4.987	0.000	97	39045	5.00	5.07	
53 Isobutyl alcohol	43	5.047	5.047	0.000	94	20464	125.0	120.7	M
57 Benzene	78	5.169	5.163	0.006	95	110027	5.00	5.32	
58 1,2-Dichloroethane	62	5.200	5.199	0.001	97	38929	5.00	5.19	
59 n-Heptane	43	5.254	5.254	0.000	87	40015	5.00	5.53	
62 Trichloroethene	95	5.686	5.686	0.000	97	29362	5.00	5.22	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	49986	5.00	5.28	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	91	23859	5.00	5.23	
66 1,4-Dioxane	88	6.021	6.015	0.006	31	2180	100.0	88.6	
67 Dibromomethane	93	6.039	6.033	0.006	95	17130	5.00	5.12	
68 Dichlorobromomethane	83	6.149	6.148	0.001	98	34210	5.00	4.91	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	93	13842	5.00	5.07	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	41621	5.00	5.01	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	95	110663	25.0	25.7	
74 Toluene	92	6.818	6.818	0.000	98	73441	5.00	5.30	
75 Ethyl methacrylate	69	7.043	7.037	0.006	69	29979	5.00	4.69	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	95	36462	5.00	4.77	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	91	18930	5.00	5.03	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	31229	5.00	5.11	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	91	40112	5.00	5.09	
80 2-Hexanone	43	7.420	7.414	0.006	94	76022	25.0	24.7	
83 Chlorodibromomethane	129	7.645	7.645	0.000	88	23790	5.00	4.55	
84 Ethylene Dibromide	107	7.773	7.773	0.000	96	23879	5.00	4.91	
87 Chlorobenzene	112	8.223	8.223	0.000	96	77040	5.00	5.16	
88 Ethylbenzene	91	8.290	8.290	0.000	98	131679	5.00	5.23	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	94	24773	5.00	4.91	
90 m-Xylene & p-Xylene	106	8.400	8.399	0.001	100	52897	5.00	5.21	
91 o-Xylene	106	8.838	8.837	0.001	97	49074	5.00	5.11	
92 Styrene	104	8.856	8.856	0.000	94	81395	5.00	5.02	
95 Bromoform	173	9.130	9.129	0.001	95	13604	5.00	4.46	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	124961	5.00	5.29	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	96	28971	5.00	5.15	
101 Bromobenzene	156	9.586	9.586	0.000	92	33414	5.00	5.30	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	62	8756	5.00	5.04	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	151857	5.00	5.39	
100 1,2,3-Trichloropropane	110	9.641	9.634	0.007	82	9567	5.00	5.08	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	30169	5.00	5.27	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	93	107225	5.00	5.30	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	31440	5.00	5.16	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	23586	5.00	5.23	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	112306	5.00	5.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	138087	5.00	5.40	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	115563	5.00	5.27	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	96	62058	5.00	5.29	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	96	62910	5.00	5.31	
115 n-Butylbenzene	91	10.815	10.815	0.000	98	105519	5.00	5.33	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	96	56642	5.00	5.16	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	82	5174	5.00	4.72	
119 1,2,4-Trichlorobenzene	180	12.226	12.220	0.006	94	37889	5.00	5.17	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	97	22853	5.00	5.28	
121 Naphthalene	128	12.445	12.445	0.000	97	97836	5.00	5.22	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	94	33447	5.00	4.97	
S 123 Total BTEX	1				0			26.2	
S 124 Xylenes, Total	1				0			10.3	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.78	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00405	Amount Added:	1.00	Units: uL	Run Reagent

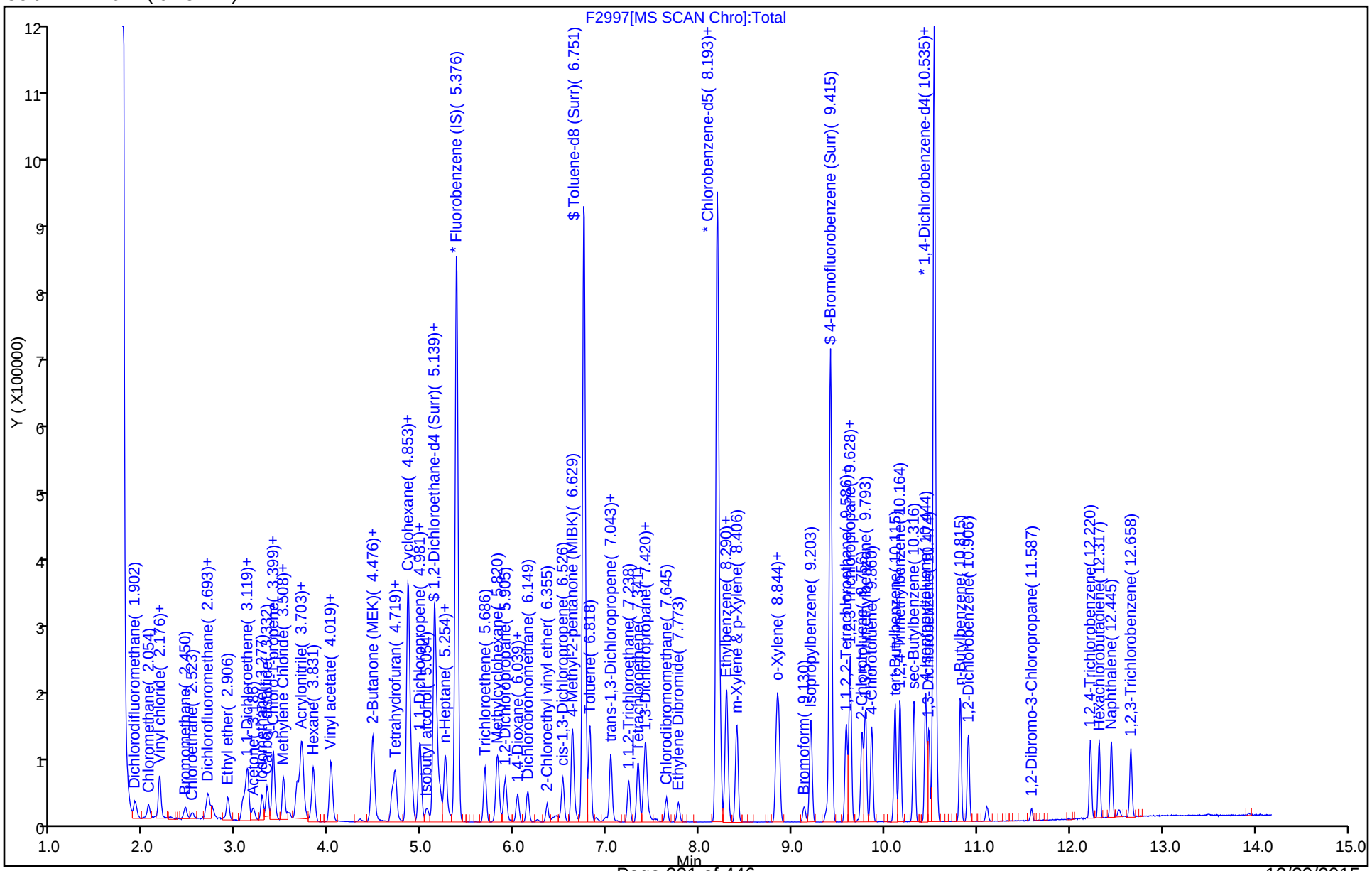
Report Date: 15-Dec-2015 13:49:18 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2997.D

Injection Date:	08-Dec-2015 16:55:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

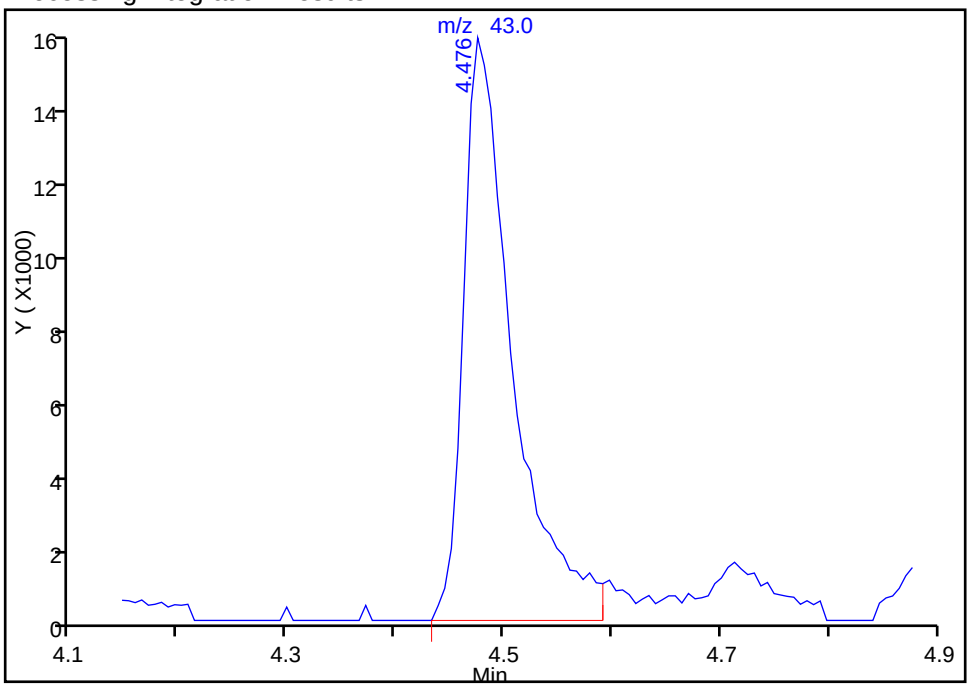
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2997.D
Injection Date: 08-Dec-2015 16:55:30 Instrument ID: HP5973F
Lims ID: IC 2
Client ID:
Operator ID: CDC ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

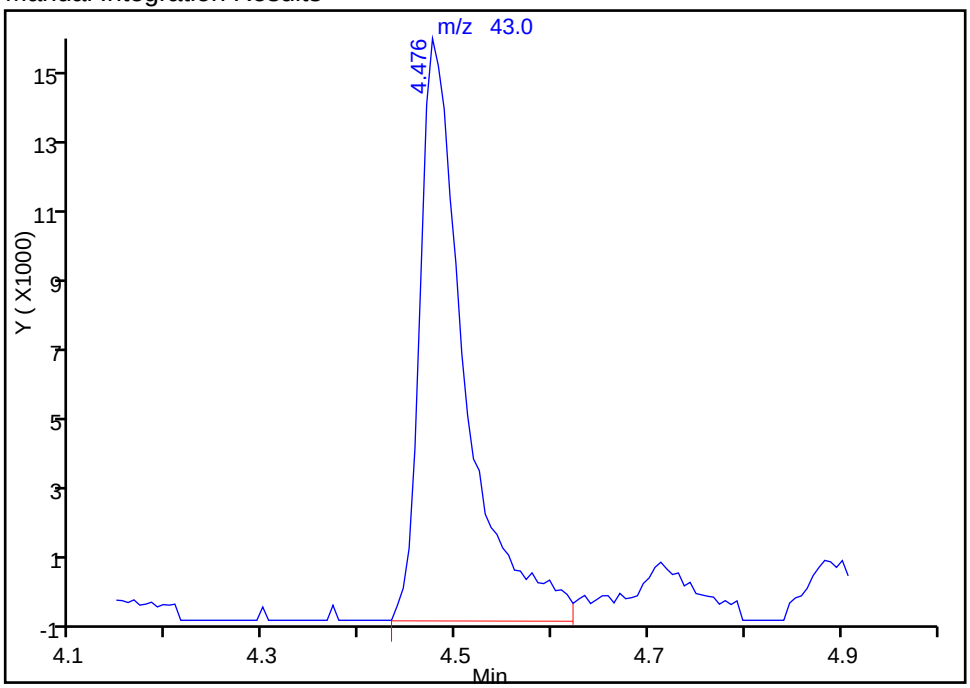
Processing Integration Results

RT: 4.48
Area: 50477
Amount: 25.399812
Amount Units: ug/kg



Manual Integration Results

RT: 4.48
Area: 52146
Amount: 25.935156
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 12:54:27
Audit Action: Manually Integrated
Audit Reason: Other

Manual Integration/User Assign Peak Report

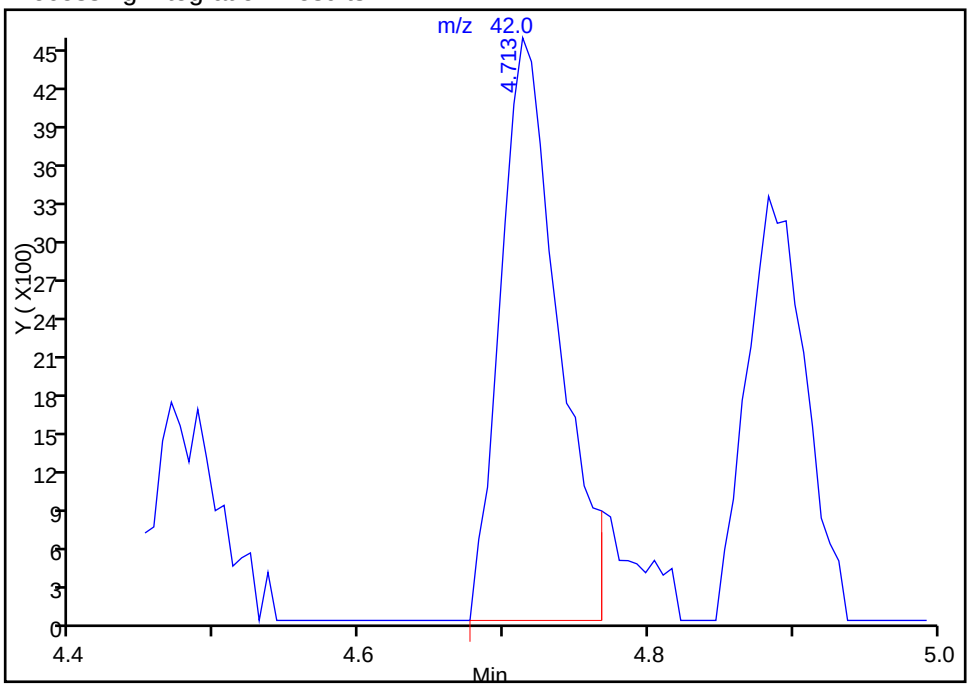
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2997.D
Injection Date: 08-Dec-2015 16:55:30 Instrument ID: HP5973F
Lims ID: IC 2
Client ID:
Operator ID: CDC ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

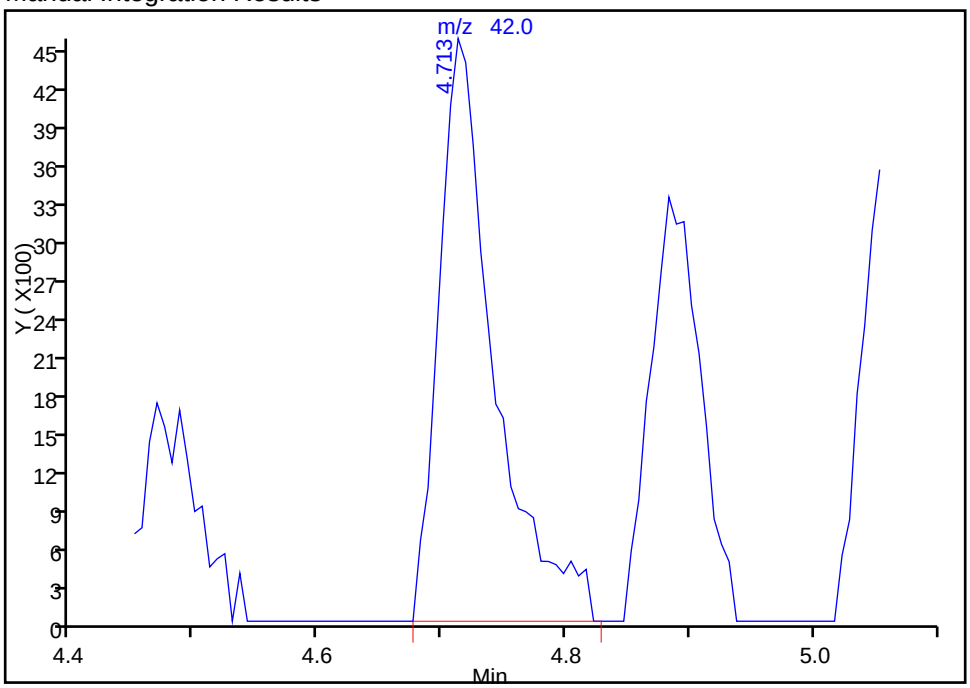
Processing Integration Results

RT: 4.71
Area: 12809
Amount: 9.542511
Amount Units: ug/kg



Manual Integration Results

RT: 4.71
Area: 14204
Amount: 10.426961
Amount Units: ug/kg



Reviewer: diasn, 10-Dec-2015 18:01:21
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

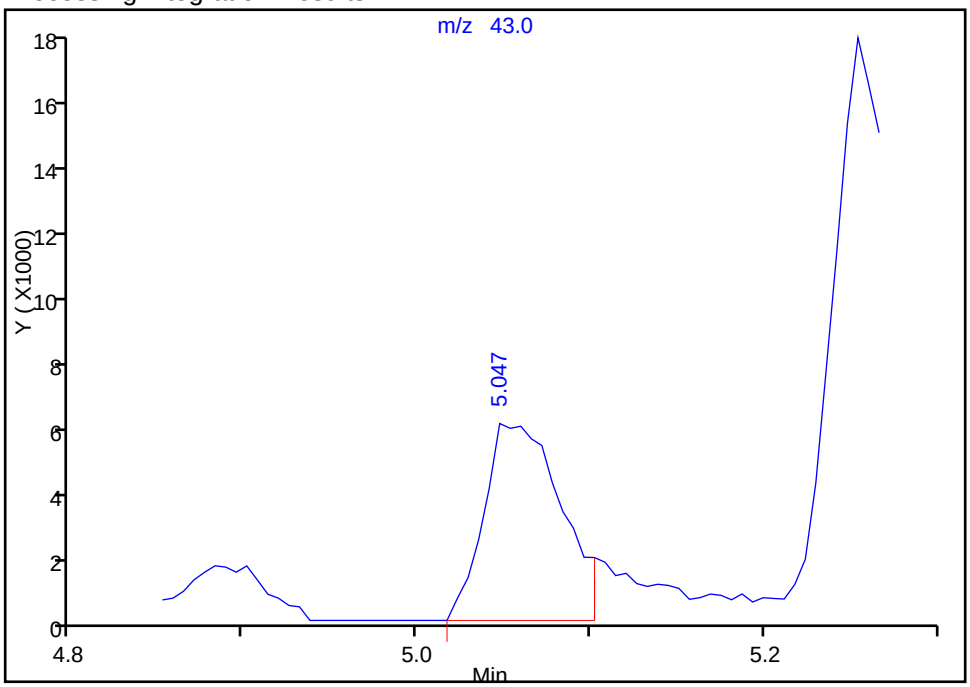
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2997.D
Injection Date: 08-Dec-2015 16:55:30 Instrument ID: HP5973F
Lims ID: IC 2
Client ID:
Operator ID: CDC ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

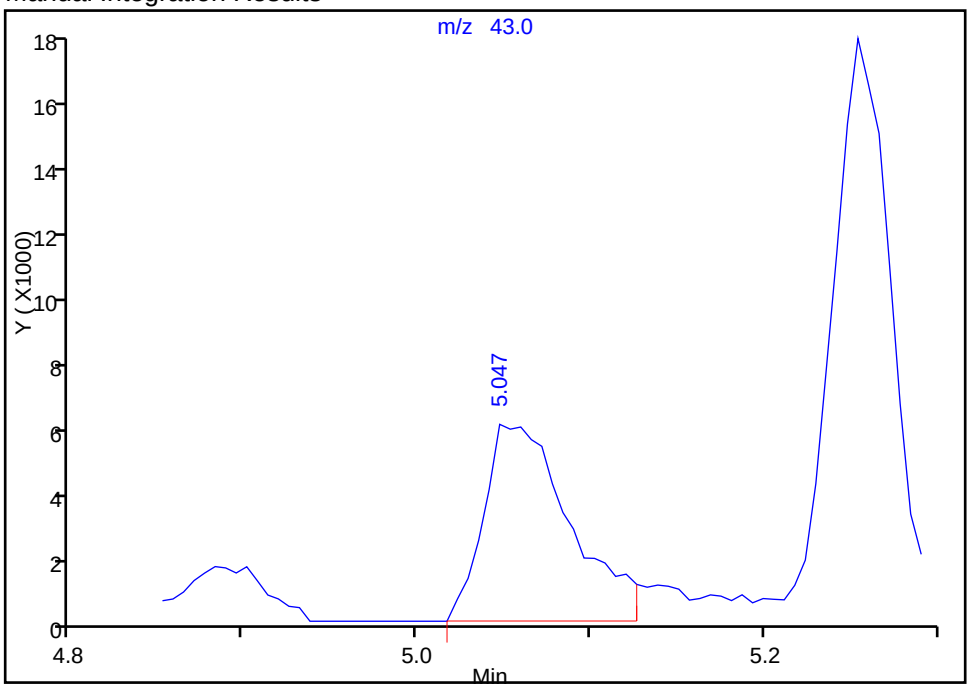
Processing Integration Results

RT: 5.05
Area: 18461
Amount: 105.8531
Amount Units: ug/kg



Manual Integration Results

RT: 5.05
Area: 20464
Amount: 120.7260
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 13:14:26
Audit Action: Manually Integrated
Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2998.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Dec-2015 17:21:30 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049053-006
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 13:49:22 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 10-Dec-2015 18:02:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	173900	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	359252	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	330383	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	93	218052	50.0	54.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	131815	50.0	54.9	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	810710	50.0	54.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	90	255837	50.0	54.1	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	99	74399	10.0	10.8	
12 Chloromethane	50	2.054	2.060	-0.006	99	51242	10.0	10.5	
13 Vinyl chloride	62	2.170	2.176	-0.006	97	48902	10.0	10.7	
151 Butadiene	54	2.176	2.182	-0.006	93	45968	10.0	10.6	
14 Bromomethane	94	2.450	2.462	-0.012	93	25723	10.0	10.2	
15 Chloroethane	64	2.523	2.523	0.000	98	19192	10.0	10.1	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	97	59992	10.0	10.2	
17 Trichlorofluoromethane	101	2.705	2.705	0.000	98	68072	10.0	10.4	
18 Ethyl ether	59	2.906	2.906	0.000	87	42947	10.0	10.7	
20 Acrolein	56	3.070	3.064	0.006	99	38750	50.0	50.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	93	52607	10.0	10.3	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	50764	10.0	10.2	
23 Acetone	43	3.180	3.180	0.000	100	71525	50.0	51.0	
25 Iodomethane	142	3.277	3.277	0.000	98	94466	10.0	10.1	
26 Carbon disulfide	76	3.332	3.332	0.000	99	163455	10.0	10.0	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	70	69785	10.0	10.3	
27 Methyl acetate	43	3.399	3.399	0.000	95	167328	50.0	50.3	
30 Methylene Chloride	84	3.508	3.508	0.000	87	62748	10.0	10.2	
31 2-Methyl-2-propanol	59	3.569	3.557	0.012	98	50030	100.0	99.7	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	94	162859	10.0	10.1	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	96	55966	10.0	10.2	
33 Acrylonitrile	53	3.715	3.709	0.006	99	160975	100.0	105.8	
35 Hexane	57	3.831	3.831	0.000	92	83712	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.013	0.000	97	183567	20.0	20.1	
39 1,1-Dichloroethane	63	4.025	4.025	0.000	96	90712	10.0	10.1	
44 2,2-Dichloropropane	77	4.469	4.463	0.006	90	80818	10.0	10.0	
43 2-Butanone (MEK)	43	4.476	4.469	0.007	97	105858	50.0	51.9	M
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	83	60366	10.0	10.2	
48 Chlorobromomethane	128	4.682	4.682	0.000	84	30069	10.0	10.2	
49 Tetrahydrofuran	42	4.707	4.707	0.000	54	28178	20.0	20.4	
50 Chloroform	83	4.719	4.719	0.000	94	98859	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	95	88671	10.0	10.2	
52 Cyclohexane	56	4.889	4.889	0.000	87	78722	10.0	10.3	
54 1,1-Dichloropropene	75	4.981	4.980	0.000	97	79078	10.0	10.3	
55 Carbon tetrachloride	117	4.987	4.987	0.000	96	78032	10.0	10.0	
53 Isobutyl alcohol	43	5.047	5.047	0.000	91	41685	250.0	242.3	
57 Benzene	78	5.163	5.163	0.000	96	213727	10.0	10.2	
58 1,2-Dichloroethane	62	5.200	5.199	0.001	98	77134	10.0	10.1	
59 n-Heptane	43	5.254	5.254	0.000	87	74314	10.0	10.1	
62 Trichloroethene	95	5.680	5.686	-0.006	96	57359	10.0	10.0	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	97828	10.0	10.2	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	90	47021	10.0	10.2	
66 1,4-Dioxane	88	6.027	6.015	0.012	30	8315	200.0	215.5	
67 Dibromomethane	93	6.039	6.033	0.006	94	34313	10.0	10.1	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	69436	10.0	9.81	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	94	27866	10.0	10.1	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	83408	10.0	9.89	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	95	222452	50.0	52.3	
74 Toluene	92	6.818	6.818	0.000	98	140975	10.0	10.3	
75 Ethyl methacrylate	69	7.043	7.037	0.006	70	63065	10.0	9.99	
77 trans-1,3-Dichloropropene	75	7.037	7.043	-0.006	95	74425	10.0	9.86	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	38343	10.0	10.3	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	62539	10.0	10.4	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	81141	10.0	10.4	
80 2-Hexanone	43	7.420	7.414	0.006	94	161789	50.0	53.1	
83 Chlorodibromomethane	129	7.645	7.645	0.000	90	48887	10.0	9.47	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	49747	10.0	10.3	
87 Chlorobenzene	112	8.223	8.223	0.000	95	150237	10.0	10.2	
88 Ethylbenzene	91	8.290	8.290	0.000	98	256705	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	92	49585	10.0	9.95	
90 m-Xylene & p-Xylene	106	8.406	8.399	0.007	100	101594	10.0	10.1	
91 o-Xylene	106	8.831	8.837	-0.006	97	98527	10.0	10.4	
92 Styrene	104	8.856	8.856	0.000	94	163774	10.0	10.2	
95 Bromoform	173	9.130	9.129	0.001	95	27734	10.0	9.21	
94 Isopropylbenzene	105	9.203	9.202	0.000	96	247495	10.0	10.5	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	95	58656	10.0	10.4	
101 Bromobenzene	156	9.586	9.586	0.000	93	64850	10.0	10.3	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.622	0.006	60	17832	10.0	10.3	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	295032	10.0	10.5	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	82	19791	10.0	10.5	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	58634	10.0	10.2	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	208842	10.0	10.3	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	63361	10.0	10.4	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	46915	10.0	10.4	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	217321	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	267630	10.0	10.5	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	228082	10.0	10.4	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	121861	10.0	10.4	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	120844	10.0	10.2	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	203988	10.0	10.3	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	113480	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.581	0.006	81	10335	10.0	9.43	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	93	74863	10.0	10.2	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	98	44832	10.0	10.3	
121 Naphthalene	128	12.445	12.445	0.000	97	190419	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	69080	10.0	10.3	
S 123 Total BTEX	1				0			51.3	
S 124 Xylenes, Total	1				0			20.5	
S 125 1,2-Dichloroethene, Total	1				0			20.4	
S 126 1,3-Dichloropropene, Total	1				0			19.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	10.00	Units: uL	
GAS CORP mix_00125	Amount Added:	10.00	Units: uL	
F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00405	Amount Added:	1.00	Units: uL	Run Reagent

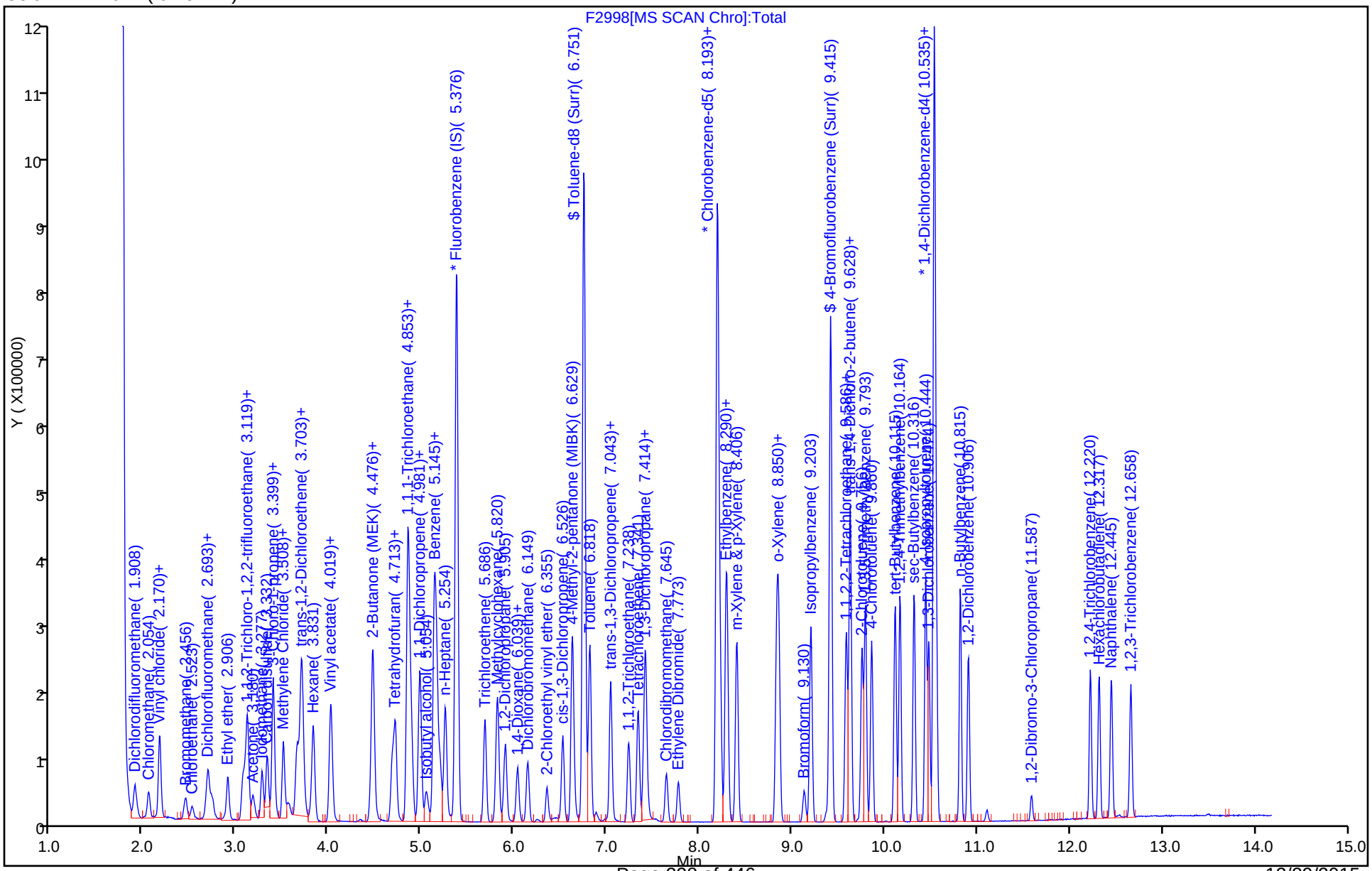
Report Date: 15-Dec-2015 13:49:24 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2998.D

Injection Date:	08-Dec-2015 17:21:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

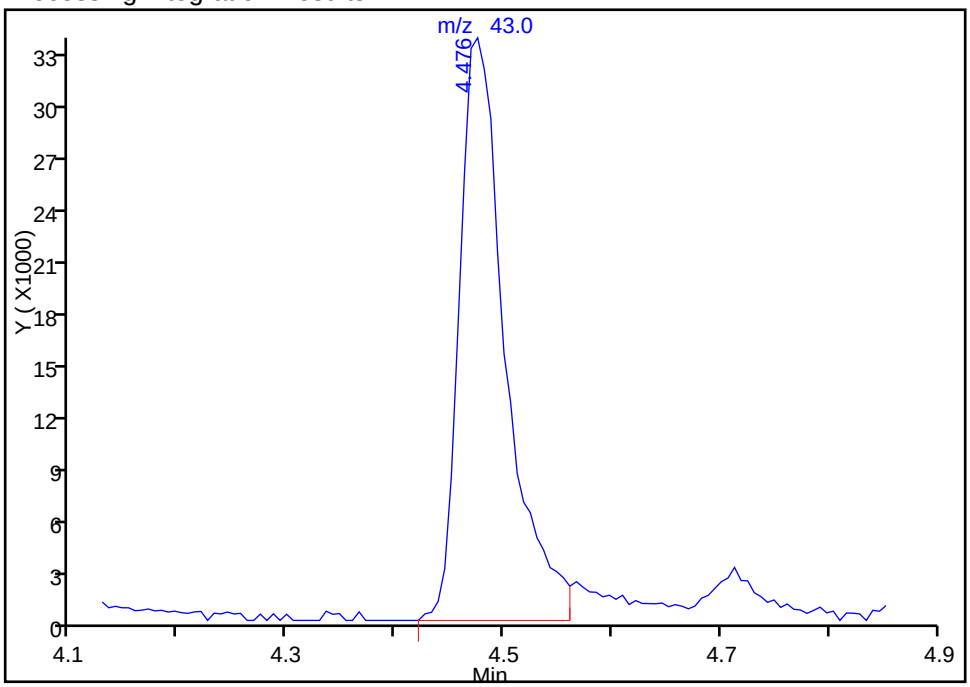
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2998.D
Injection Date: 08-Dec-2015 17:21:30 Instrument ID: HP5973F
Lims ID: IC 3
Client ID:
Operator ID: CDC ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

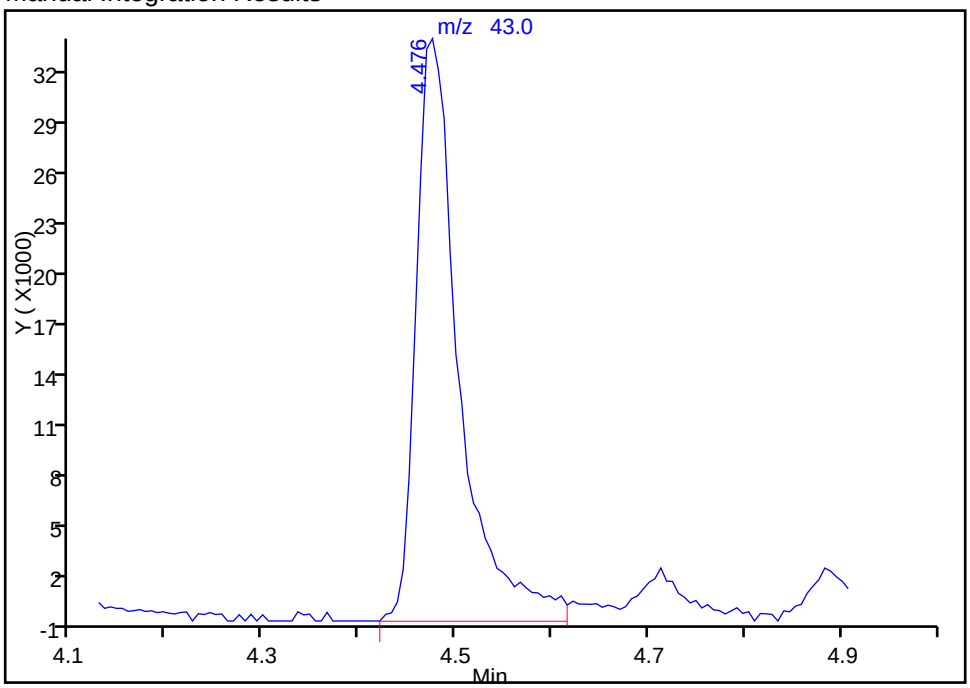
Processing Integration Results

RT: 4.48
Area: 100592
Amount: 49.626305
Amount Units: ug/kg



Manual Integration Results

RT: 4.48
Area: 105858
Amount: 51.865944
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 12:54:53
Audit Action: Manually Integrated
Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2999.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-Dec-2015 17:47:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0049053-007
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 13:49:30 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 10-Dec-2015 18:03:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	167637	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	346557	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	324762	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	93	189654	50.0	48.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.139	0.006	0	112656	50.0	48.7	
$ 5 Toluene-d8 (Surr)	98	6.757	6.751	0.006	93	707323	50.0	49.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	88	226395	50.0	49.7	
10 Dichlorodifluoromethane	85	1.921	1.908	0.013	99	138420	20.0	20.9	
12 Chloromethane	50	2.073	2.060	0.013	99	95870	20.0	20.5	
13 Vinyl chloride	62	2.188	2.176	0.012	89	93327	20.0	21.1	
151 Butadiene	54	2.188	2.182	0.006	90	89034	20.0	21.4	
14 Bromomethane	94	2.468	2.462	0.006	92	51834	20.0	21.2	
15 Chloroethane	64	2.535	2.523	0.012	99	40426	20.0	22.0	
16 Dichlorofluoromethane	67	2.699	2.687	0.012	97	120086	20.0	21.1	
17 Trichlorofluoromethane	101	2.711	2.705	0.006	97	133807	20.0	21.2	
18 Ethyl ether	59	2.918	2.906	0.012	86	80097	20.0	20.7	
20 Acrolein	56	3.076	3.064	0.012	99	73759	100.0	99.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.113	3.101	0.012	92	101624	20.0	20.6	
22 1,1-Dichloroethene	96	3.131	3.125	0.006	98	98912	20.0	20.6	
23 Acetone	43	3.186	3.180	0.006	99	135153	100.0	100.1	
25 Iodomethane	142	3.289	3.277	0.012	98	184394	20.0	20.5	
26 Carbon disulfide	76	3.344	3.332	0.012	99	322618	20.0	20.5	
28 3-Chloro-1-propene	41	3.405	3.399	0.006	86	133791	20.0	20.5	
27 Methyl acetate	43	3.405	3.399	0.006	96	331443	100.0	103.4	
30 Methylene Chloride	84	3.521	3.508	0.012	86	114113	20.0	21.0	
31 2-Methyl-2-propanol	59	3.569	3.557	0.012	99	93840	200.0	193.9	
32 Methyl tert-butyl ether	73	3.667	3.660	0.006	94	314239	20.0	20.2	
34 trans-1,2-Dichloroethene	96	3.703	3.697	0.006	93	108452	20.0	20.4	
33 Acrylonitrile	53	3.721	3.709	0.012	98	297041	200.0	202.5	
35 Hexane	57	3.837	3.831	0.006	91	155778	20.0	19.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.013	0.006	97	358594	40.0	40.7	
39 1,1-Dichloroethane	63	4.032	4.025	0.007	96	177352	20.0	20.5	
44 2,2-Dichloropropane	77	4.470	4.463	0.007	89	157808	20.0	20.3	
43 2-Butanone (MEK)	43	4.476	4.469	0.007	98	198467	100.0	100.9	
45 cis-1,2-Dichloroethene	96	4.482	4.476	0.006	82	115070	20.0	20.1	
48 Chlorobromomethane	128	4.689	4.682	0.007	82	57022	20.0	20.1	
49 Tetrahydrofuran	42	4.713	4.707	0.006	82	54826	40.0	41.1	
50 Chloroform	83	4.719	4.719	0.000	93	190342	20.0	20.1	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	96	170381	20.0	20.2	
52 Cyclohexane	56	4.889	4.889	0.000	86	151750	20.0	20.6	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	96	149173	20.0	20.2	
55 Carbon tetrachloride	117	4.993	4.987	0.006	98	155083	20.0	20.6	
53 Isobutyl alcohol	43	5.054	5.047	0.007	93	85194	500.0	513.6	
57 Benzene	78	5.169	5.163	0.006	96	414320	20.0	20.5	
58 1,2-Dichloroethane	62	5.206	5.199	0.007	97	148922	20.0	20.3	
59 n-Heptane	43	5.260	5.254	0.006	85	143670	20.0	20.3	
62 Trichloroethene	95	5.692	5.686	0.006	98	112288	20.0	20.4	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	189490	20.0	20.5	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	91	91606	20.0	20.5	
66 1,4-Dioxane	88	6.027	6.015	0.012	88	17042	400.0	408.0	
67 Dibromomethane	93	6.039	6.033	0.006	95	66449	20.0	20.3	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	137220	20.0	20.1	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	93	54145	20.0	20.3	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	163143	20.0	20.1	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	95	423672	100.0	103.2	
74 Toluene	92	6.818	6.818	0.000	99	269501	20.0	20.4	
75 Ethyl methacrylate	69	7.043	7.037	0.006	72	124179	20.0	20.4	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	148176	20.0	20.3	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	72736	20.0	20.3	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	119339	20.0	20.5	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	97	154028	20.0	20.5	
80 2-Hexanone	43	7.420	7.414	0.006	97	308469	100.0	105.0	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	100562	20.0	20.2	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	93600	20.0	20.2	
87 Chlorobenzene	112	8.223	8.223	0.000	95	288457	20.0	20.3	
88 Ethylbenzene	91	8.290	8.290	0.000	98	495781	20.0	20.7	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	93	96576	20.0	20.1	
90 m-Xylene & p-Xylene	106	8.406	8.399	0.007	100	198003	20.0	20.5	
91 o-Xylene	106	8.838	8.837	0.001	97	186827	20.0	20.4	
92 Styrene	104	8.856	8.856	0.000	94	316223	20.0	20.5	
95 Bromoform	173	9.136	9.129	0.007	95	57196	20.0	19.7	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	479575	20.0	20.7	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	98	112093	20.0	20.3	
101 Bromobenzene	156	9.592	9.586	0.006	92	124606	20.0	20.1	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	61	34649	20.0	20.3	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	572766	20.0	20.7	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.000	85	38444	20.0	20.8	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	116070	20.0	20.6	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	93	405219	20.0	20.4	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	120989	20.0	20.2	
106 tert-Butylbenzene	134	10.115	10.115	0.000	92	90847	20.0	20.5	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	419152	20.0	20.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	513124	20.0	20.4	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	441471	20.0	20.5	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	233946	20.0	20.3	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	94	236378	20.0	20.3	
115 n-Butylbenzene	91	10.815	10.815	0.000	98	398939	20.0	20.5	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	218693	20.0	20.3	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	83	22077	20.0	20.5	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	142840	20.0	19.8	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	98	86272	20.0	20.3	
121 Naphthalene	128	12.445	12.445	0.000	97	366665	20.0	19.9	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	133611	20.0	20.2	
S 123 Total BTEX	1				0			102.4	
S 124 Xylenes, Total	1				0			40.9	
S 125 1,2-Dichloroethene, Total	1				0			40.6	
S 126 1,3-Dichloropropene, Total	1				0			40.4	

Reagents:

8260 CORP mix_00061	Amount Added: 10.00	Units: uL		
GAS CORP mix_00125	Amount Added: 10.00	Units: uL		
F 8260 SURR_00131	Amount Added: 1.00	Units: uL	Run Reagent	
F 8260 IS_00405	Amount Added: 1.00	Units: uL	Run Reagent	

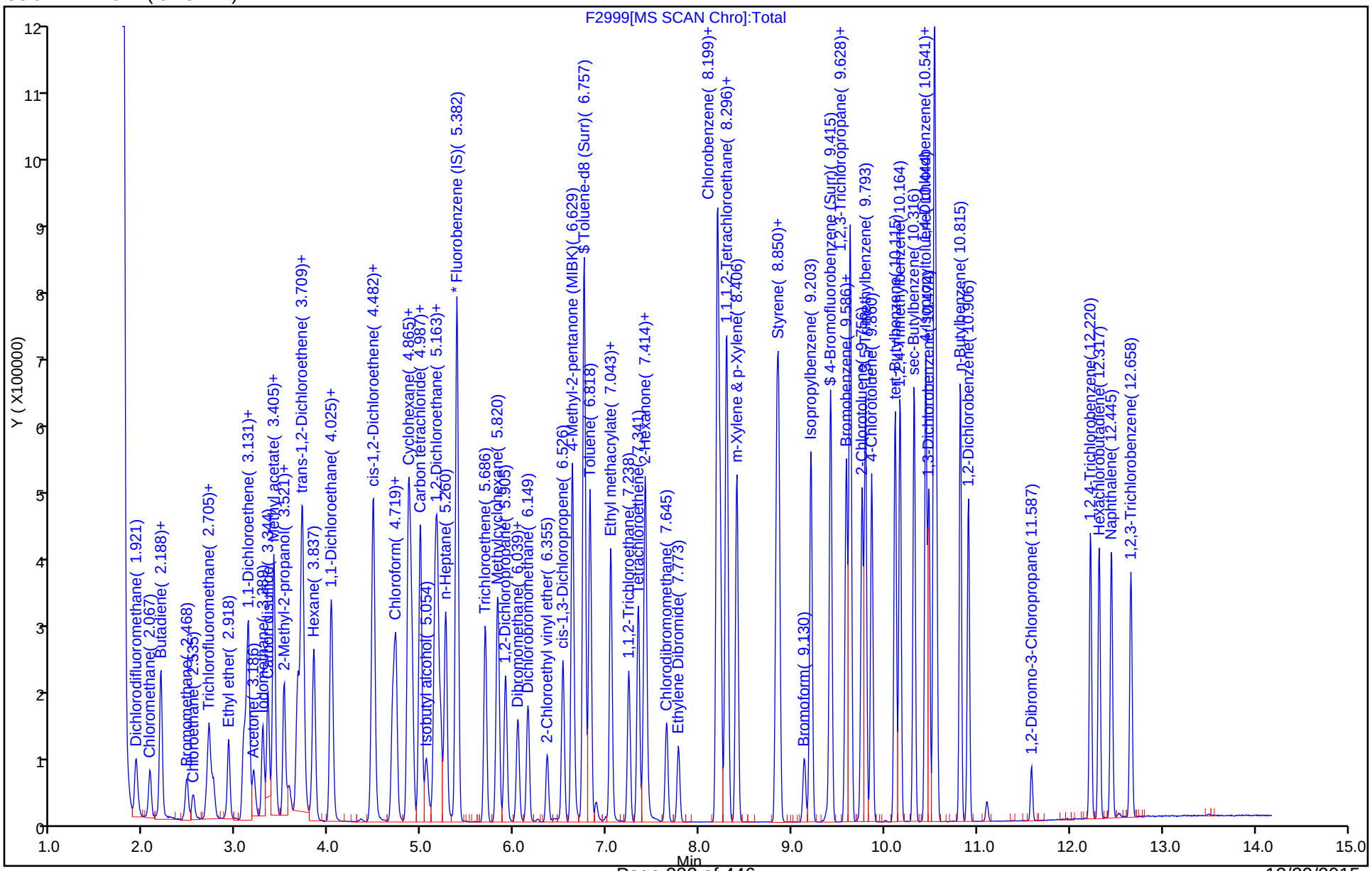
Report Date: 15-Dec-2015 13:49:33 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2999.D

Injection Date:	08-Dec-2015 17:47:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3000.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 08-Dec-2015 18:13:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0049053-008
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 13:49:39 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 10-Dec-2015 17:57:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	173048	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	358161	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	337564	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	197130	50.0	49.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	117454	50.0	49.1	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	734233	50.0	49.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	89	230907	50.0	49.0	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	99	348109	50.0	50.9	
12 Chloromethane	50	2.060	2.060	0.000	99	234651	50.0	48.5	
13 Vinyl chloride	62	2.176	2.176	0.000	98	227871	50.0	49.9	
151 Butadiene	54	2.182	2.182	0.000	92	213889	50.0	49.8	
14 Bromomethane	94	2.462	2.462	0.000	92	118495	50.0	47.0	
15 Chloroethane	64	2.523	2.523	0.000	99	91635	50.0	48.4	
16 Dichlorofluoromethane	67	2.687	2.687	0.000	97	280185	50.0	47.8	
17 Trichlorofluoromethane	101	2.705	2.705	0.000	99	325994	50.0	50.0	
18 Ethyl ether	59	2.906	2.906	0.000	87	207600	50.0	51.9	
20 Acrolein	56	3.064	3.064	0.000	100	187728	250.0	244.3	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	93	255633	50.0	50.1	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	247961	50.0	50.0	
23 Acetone	43	3.180	3.180	0.000	100	332767	250.0	238.7	
25 Iodomethane	142	3.277	3.277	0.000	99	464695	50.0	49.9	
26 Carbon disulfide	76	3.332	3.332	0.000	99	812310	50.0	50.1	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	69	331335	50.0	49.1	
27 Methyl acetate	43	3.399	3.399	0.000	95	811414	250.0	245.3	
30 Methylene Chloride	84	3.508	3.508	0.000	86	276652	50.0	52.0	
31 2-Methyl-2-propanol	59	3.557	3.557	0.000	99	241262	500.0	483.0	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	94	801977	50.0	49.8	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	97	270178	50.0	49.3	
33 Acrylonitrile	53	3.709	3.709	0.000	98	742596	500.0	490.4	
35 Hexane	57	3.831	3.831	0.000	91	388708	50.0	47.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.013	0.000	97	920092	100.0	101.3	
39 1,1-Dichloroethane	63	4.025	4.025	0.000	96	443706	50.0	49.6	
44 2,2-Dichloropropane	77	4.463	4.463	0.000	89	401632	50.0	50.1	
43 2-Butanone (MEK)	43	4.469	4.469	0.000	98	506154	250.0	249.2	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	79	292706	50.0	49.7	
48 Chlorobromomethane	128	4.682	4.682	0.000	84	147257	50.0	50.3	
49 Tetrahydrofuran	42	4.707	4.707	0.000	70	136173	100.0	99.0	
50 Chloroform	83	4.719	4.719	0.000	93	482075	50.0	49.4	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	97	436223	50.0	50.2	
52 Cyclohexane	56	4.889	4.889	0.000	86	375557	50.0	49.4	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	96	379199	50.0	49.8	
55 Carbon tetrachloride	117	4.987	4.987	0.000	98	395653	50.0	50.9	
53 Isobutyl alcohol	43	5.047	5.047	0.000	93	216026	1250.0	1261.7	M
57 Benzene	78	5.163	5.163	0.000	95	1033175	50.0	49.4	
58 1,2-Dichloroethane	62	5.199	5.199	0.000	99	378278	50.0	50.0	
59 n-Heptane	43	5.254	5.254	0.000	87	361581	50.0	49.5	
62 Trichloroethene	95	5.686	5.686	0.000	98	284698	50.0	50.1	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	475271	50.0	49.7	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	91	230064	50.0	49.9	
66 1,4-Dioxane	88	6.015	6.015	0.000	92	46765	1000.0	1010.1	
67 Dibromomethane	93	6.033	6.033	0.000	95	169502	50.0	50.1	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	362266	50.0	51.4	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	95	139469	50.0	50.6	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	427813	50.0	51.0	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	94	1065160	250.0	251.1	
74 Toluene	92	6.818	6.818	0.000	98	666794	50.0	48.9	
75 Ethyl methacrylate	69	7.037	7.037	0.000	73	329259	50.0	52.3	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	95	397359	50.0	52.8	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	93	188048	50.0	50.8	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	302292	50.0	50.2	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	98	387515	50.0	49.9	
80 2-Hexanone	43	7.414	7.414	0.000	92	787366	250.0	259.2	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	275404	50.0	53.5	
84 Ethylene Dibromide	107	7.773	7.773	0.000	99	246827	50.0	51.5	
87 Chlorobenzene	112	8.223	8.223	0.000	95	734388	50.0	49.9	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1226966	50.0	49.5	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	94	258664	50.0	52.1	
90 m-Xylene & p-Xylene	106	8.399	8.399	0.000	100	492477	50.0	49.2	
91 o-Xylene	106	8.837	8.837	0.000	97	471577	50.0	49.8	
92 Styrene	104	8.856	8.856	0.000	94	803054	50.0	50.3	
95 Bromoform	173	9.129	9.129	0.000	95	162118	50.0	54.0	
94 Isopropylbenzene	105	9.202	9.202	0.000	96	1199401	50.0	49.7	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	97	288019	50.0	50.1	
101 Bromobenzene	156	9.586	9.586	0.000	92	321759	50.0	49.9	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	62	92135	50.0	51.9	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	1412495	50.0	49.1	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	85	96402	50.0	50.1	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	290903	50.0	49.7	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	1029766	50.0	49.8	
105 4-Chlorotoluene	126	9.859	9.859	0.000	98	308040	50.0	49.5	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	228003	50.0	49.5	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	1053313	50.0	49.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	1299585	50.0	49.8	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	1125258	50.0	50.2	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	595334	50.0	49.6	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	94	599852	50.0	49.6	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	1017288	50.0	50.3	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	557064	50.0	49.7	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.581	0.000	85	58950	50.0	52.6	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	379218	50.0	50.7	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	98	222705	50.0	50.3	
121 Naphthalene	128	12.445	12.445	0.000	97	952177	50.0	49.8	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	347587	50.0	50.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL		
GAS CORP mix_00125	Amount Added: 25.00	Units: uL		
F 8260 SURR_00131	Amount Added: 1.00	Units: uL	Run Reagent	
F 8260 IS_00405	Amount Added: 1.00	Units: uL	Run Reagent	

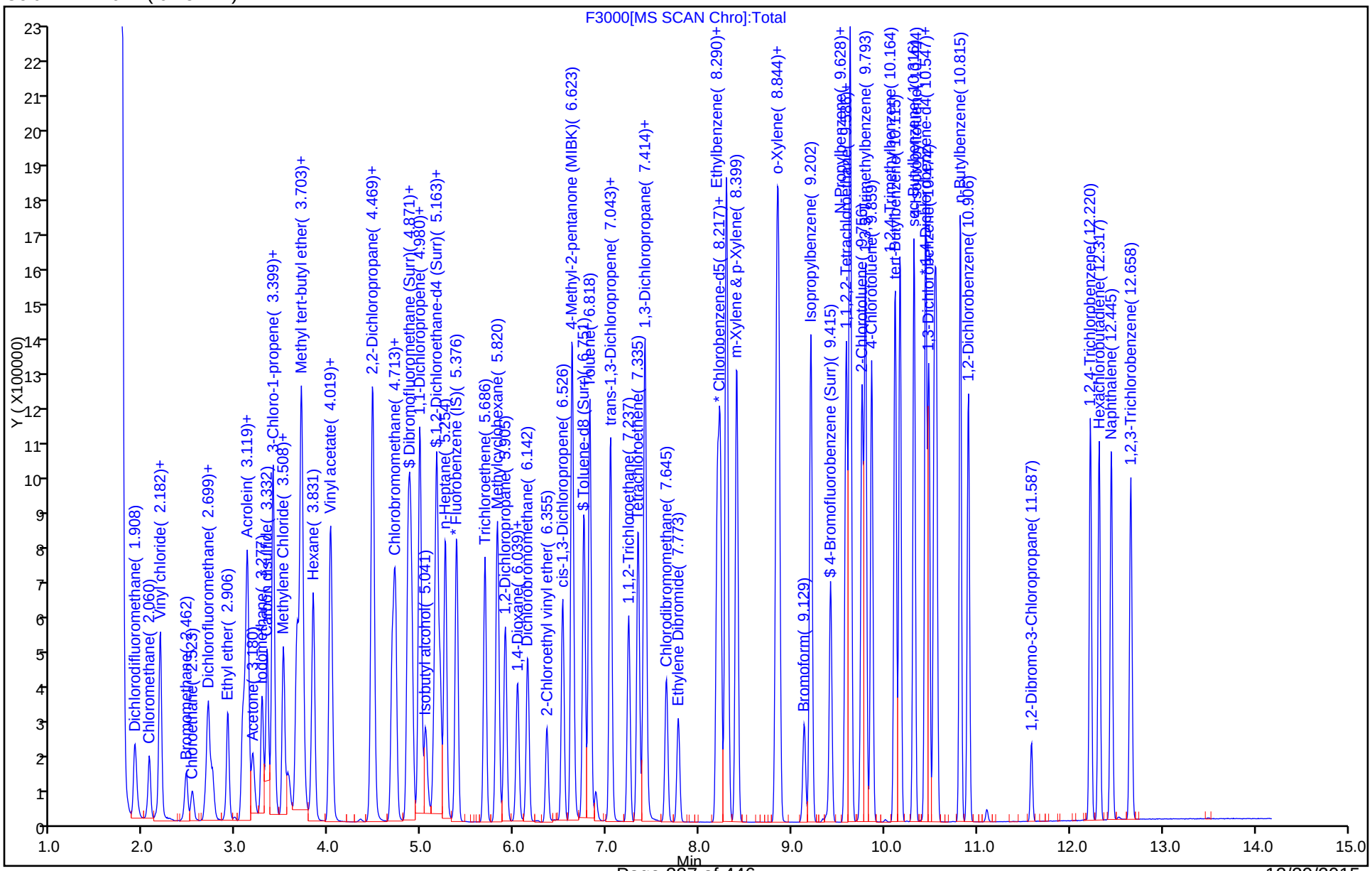
Report Date: 15-Dec-2015 13:49:40 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3000.D

Injection Date:	08-Dec-2015 18:13:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	ICIS 5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



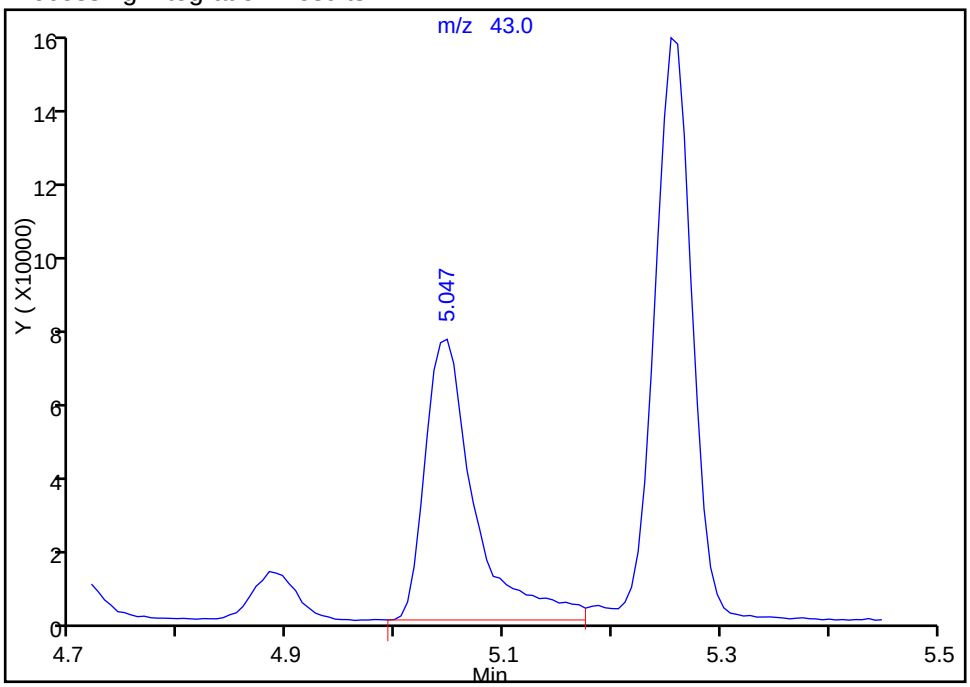
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3000.D
Injection Date: 08-Dec-2015 18:13:30 Instrument ID: HP5973F
Lims ID: ICIS 5
Client ID:
Operator ID: CDC ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

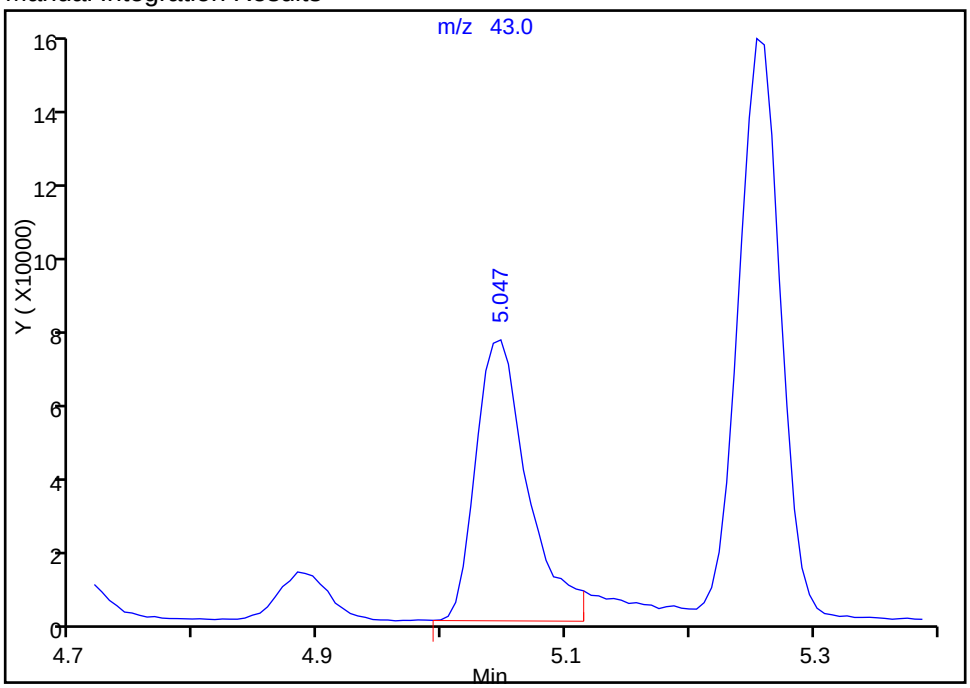
Processing Integration Results

RT: 5.05
Area: 233186
Amount: 1314.2694
Amount Units: ug/kg



Manual Integration Results

RT: 5.05
Area: 216026
Amount: 1261.6536
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 13:15:24
Audit Action: Manually Integrated
Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3001.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 08-Dec-2015 18:38:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049053-009
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 13:49:42 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 10-Dec-2015 18:05:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	172434	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	357747	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	339232	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.853	0.006	92	197753	50.0	49.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	115793	50.0	48.6	
$ 5 Toluene-d8 (Surr)	98	6.757	6.751	0.006	93	734230	50.0	49.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	89	234696	50.0	49.9	
10 Dichlorodifluoromethane	85	1.914	1.908	0.006	99	634966	100.0	93.1	
12 Chloromethane	50	2.073	2.060	0.013	99	434720	100.0	90.2	
13 Vinyl chloride	62	2.188	2.176	0.012	97	423494	100.0	93.1	
151 Butadiene	54	2.194	2.182	0.012	93	391184	100.0	91.4	
14 Bromomethane	94	2.468	2.462	0.006	92	230387	100.0	91.7	
15 Chloroethane	64	2.535	2.523	0.012	100	177436	100.0	94.0	
16 Dichlorofluoromethane	67	2.699	2.687	0.012	97	531369	100.0	90.9	
17 Trichlorofluoromethane	101	2.711	2.705	0.006	100	614961	100.0	94.7	
18 Ethyl ether	59	2.918	2.906	0.012	86	353768	100.0	88.8	
20 Acrolein	56	3.070	3.064	0.006	99	383002	500.0	500.2	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.101	0.006	92	474252	100.0	93.3	
22 1,1-Dichloroethene	96	3.131	3.125	0.006	98	465274	100.0	94.2	
23 Acetone	43	3.186	3.180	0.006	99	655325	500.0	471.7	
25 Iodomethane	142	3.283	3.277	0.006	99	882375	100.0	95.2	
26 Carbon disulfide	76	3.338	3.332	0.006	99	1520365	100.0	94.1	
28 3-Chloro-1-propene	41	3.405	3.399	0.006	83	621839	100.0	92.5	
27 Methyl acetate	43	3.399	3.399	0.000	96	1617271	500.0	490.7	
30 Methylene Chloride	84	3.514	3.508	0.006	86	520405	100.0	100.0	
31 2-Methyl-2-propanol	59	3.569	3.557	0.012	99	520232	1000.0	1045.3	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	93	1563895	100.0	97.5	
34 trans-1,2-Dichloroethene	96	3.703	3.697	0.006	96	507099	100.0	92.9	
33 Acrylonitrile	53	3.715	3.709	0.006	98	1493680	1000.0	989.9	
35 Hexane	57	3.837	3.831	0.006	91	701365	100.0	85.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.013	0.006	97	1801256	200.0	198.9	
39 1,1-Dichloroethane	63	4.032	4.025	0.007	1	854810	100.0	96.0	M
44 2,2-Dichloropropane	77	4.470	4.463	0.007	86	758355	100.0	95.0	
43 2-Butanone (MEK)	43	4.470	4.469	0.001	98	1035457	500.0	511.6	M
45 cis-1,2-Dichloroethene	96	4.482	4.476	0.006	81	549163	100.0	93.5	
48 Chlorobromomethane	128	4.689	4.682	0.007	84	281623	100.0	96.5	
49 Tetrahydrofuran	42	4.707	4.707	0.000	80	275743	200.0	201.1	
50 Chloroform	83	4.719	4.719	0.000	94	914860	100.0	94.0	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	97	826151	100.0	95.5	
52 Cyclohexane	56	4.895	4.889	0.006	86	694495	100.0	91.6	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	96	710452	100.0	93.6	
55 Carbon tetrachloride	117	4.993	4.987	0.006	97	755597	100.0	97.6	
53 Isobutyl alcohol	43	5.048	5.047	0.001	92	472632	2500.0	2770.1	M
57 Benzene	78	5.169	5.163	0.006	95	1935810	100.0	92.9	
58 1,2-Dichloroethane	62	5.206	5.199	0.007	98	717308	100.0	95.1	
59 n-Heptane	43	5.260	5.254	0.006	86	658009	100.0	90.3	
62 Trichloroethene	95	5.686	5.686	0.000	98	540290	100.0	95.4	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	880913	100.0	92.5	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	91	436869	100.0	95.2	
66 1,4-Dioxane	88	6.015	6.015	0.000	89	96922	2000.0	2048.2	
67 Dibromomethane	93	6.039	6.033	0.006	95	330588	100.0	98.1	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	711558	100.0	101.4	
69 2-Chloroethyl vinyl ether	63	6.356	6.355	0.001	94	282367	100.0	102.8	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	96	838656	100.0	100.3	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	94	2129979	500.0	502.6	
74 Toluene	92	6.818	6.818	0.000	99	1263260	100.0	92.7	
75 Ethyl methacrylate	69	7.043	7.037	0.006	83	658657	100.0	104.8	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	95	785135	100.0	104.4	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	365100	100.0	98.7	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	568217	100.0	94.5	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	97	746497	100.0	96.3	
80 2-Hexanone	43	7.414	7.414	0.000	94	1589775	500.0	524.0	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	554352	100.0	107.9	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	483848	100.0	101.0	
87 Chlorobenzene	112	8.223	8.223	0.000	95	1397690	100.0	95.1	
88 Ethylbenzene	91	8.290	8.290	0.000	98	2303088	100.0	93.0	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	94	496947	100.0	100.2	
90 m-Xylene & p-Xylene	106	8.406	8.399	0.007	100	932002	100.0	93.3	
91 o-Xylene	106	8.838	8.837	0.001	96	904839	100.0	95.7	
92 Styrene	104	8.856	8.856	0.000	94	1545668	100.0	96.9	
95 Bromoform	173	9.130	9.129	0.001	95	340271	100.0	113.4	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	2254711	100.0	93.0	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	97	567441	100.0	98.2	
101 Bromobenzene	156	9.586	9.586	0.000	92	613539	100.0	94.8	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	63	186270	100.0	104.3	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	2645058	100.0	91.5	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	85	189706	100.0	98.1	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	551576	100.0	93.8	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	1934796	100.0	93.2	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	588675	100.0	94.1	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	428533	100.0	92.6	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	1986243	100.0	92.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	2412223	100.0	91.9	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	2114566	100.0	93.9	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	1134761	100.0	94.2	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	1144903	100.0	94.1	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	1885876	100.0	92.7	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	1065217	100.0	94.6	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.581	0.006	86	125729	100.0	111.7	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	721564	100.0	95.9	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	98	414044	100.0	93.1	
121 Naphthalene	128	12.445	12.445	0.000	97	1874317	100.0	97.5	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	666419	100.0	96.4	
S 123 Total BTEX	1				0			467.7	
S 124 Xylenes, Total	1				0			189.0	
S 125 1,2-Dichloroethene, Total	1				0			186.4	
S 126 1,3-Dichloropropene, Total	1				0			204.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 50.00	Units: uL		
GAS CORP mix_00125	Amount Added: 50.00	Units: uL		
F 8260 SURR_00131	Amount Added: 1.00	Units: uL	Run Reagent	
F 8260 IS_00405	Amount Added: 1.00	Units: uL	Run Reagent	

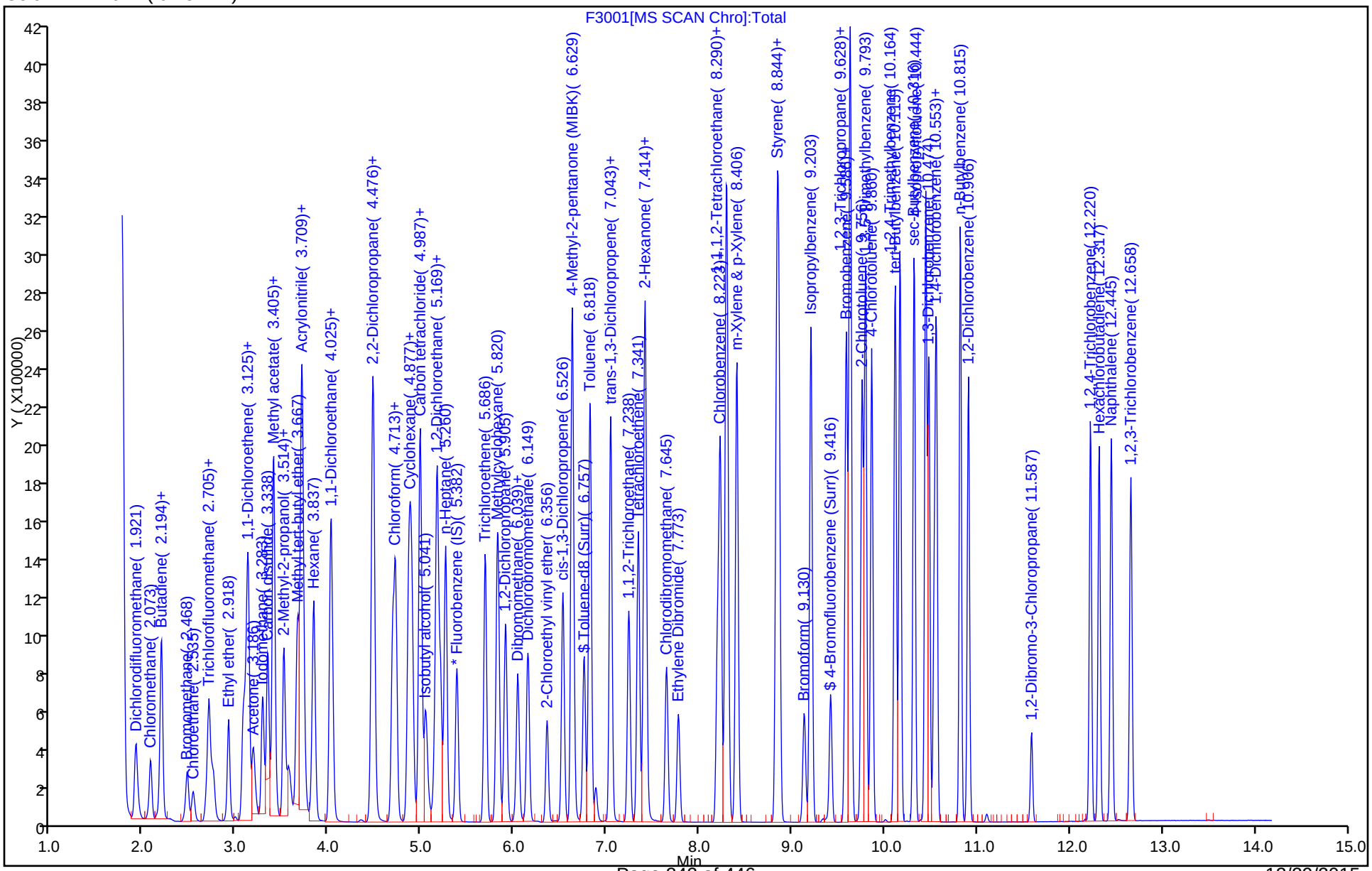
Report Date: 15-Dec-2015 13:49:45 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3001.D

Injection Date:	08-Dec-2015 18:38:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 6			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

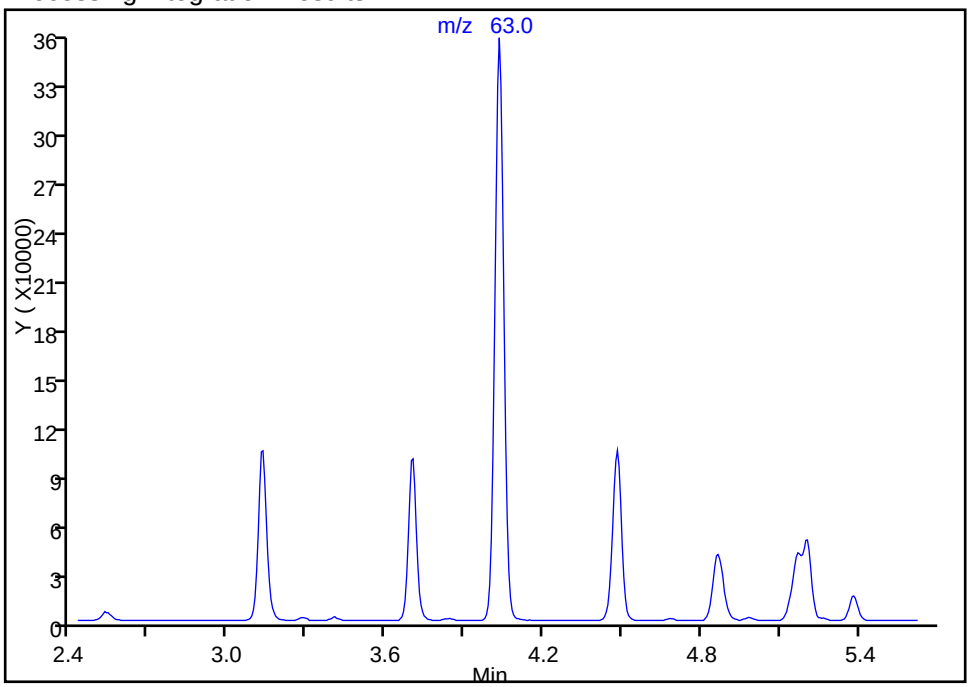
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3001.D
Injection Date: 08-Dec-2015 18:38:30 Instrument ID: HP5973F
Lims ID: IC 6
Client ID:
Operator ID: CDC ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

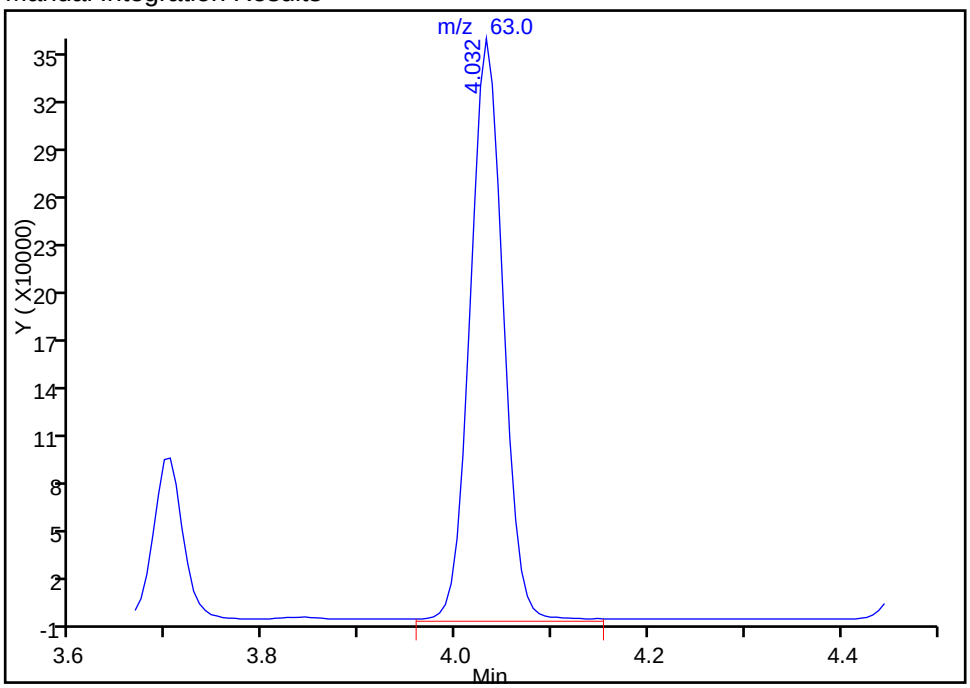
Not Detected
Expected RT: 4.03

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 854810
Amount: 95.965656
Amount Units: ug/kg



Reviewer: diasn, 10-Dec-2015 18:05:14
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

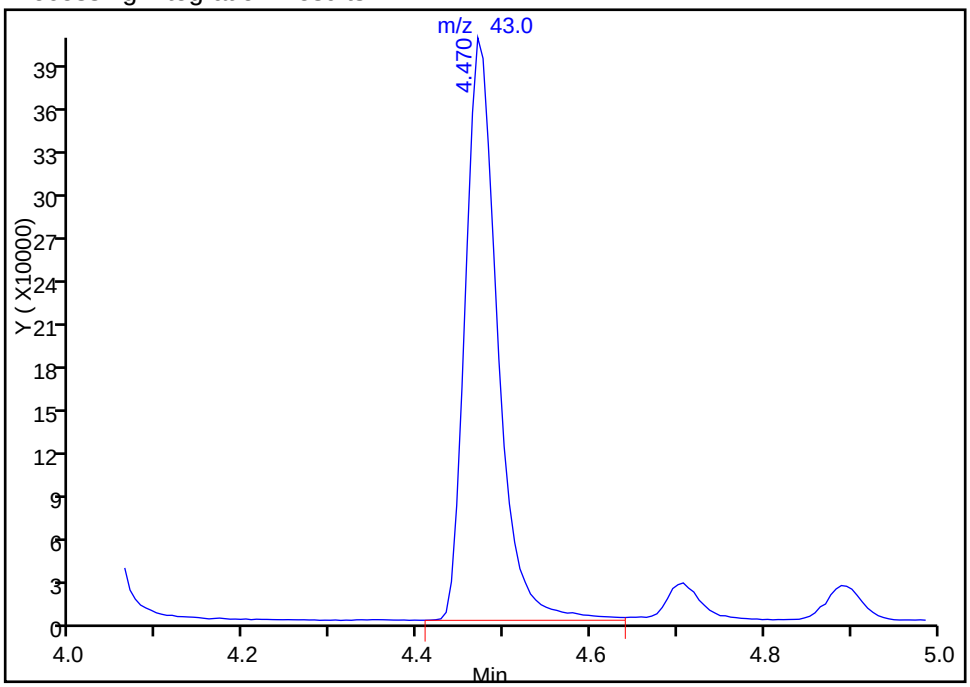
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3001.D
Injection Date: 08-Dec-2015 18:38:30 Instrument ID: HP5973F
Lims ID: IC 6
Client ID:
Operator ID: CDC ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

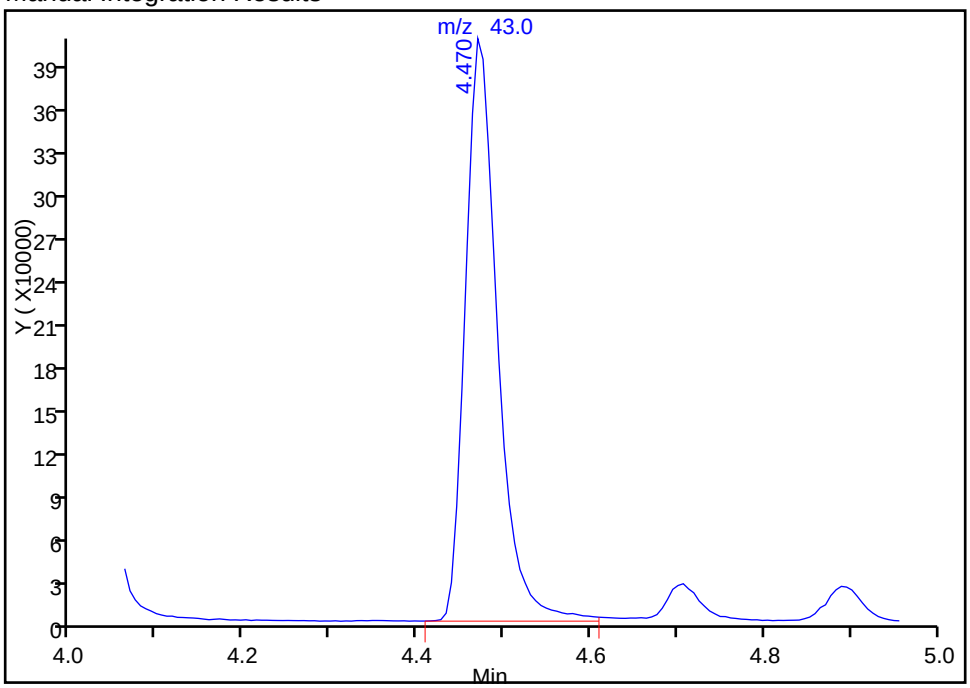
Processing Integration Results

RT: 4.47
Area: 1039076
Amount: 513.1694
Amount Units: ug/kg



Manual Integration Results

RT: 4.47
Area: 1035457
Amount: 511.6434
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 12:55:51
Audit Action: Manually Integrated
Audit Reason: Other

Manual Integration/User Assign Peak Report

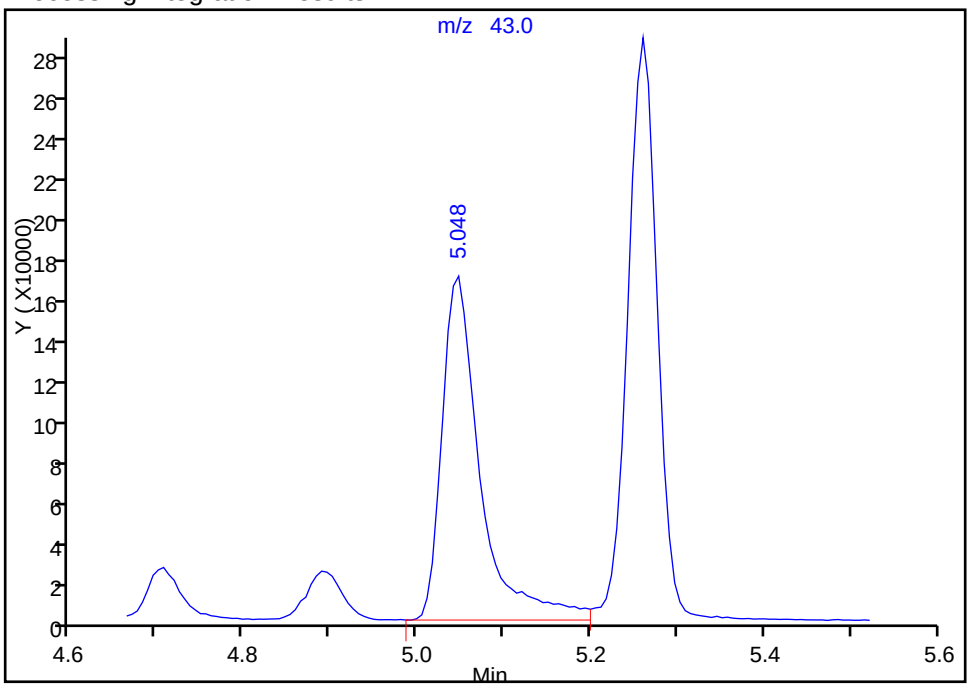
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3001.D				
Injection Date:	08-Dec-2015 18:38:30	Instrument ID:	HP5973F		
Lims ID:	IC 6				
Client ID:					
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

53 Isobutyl alcohol, CAS: 78-83-1

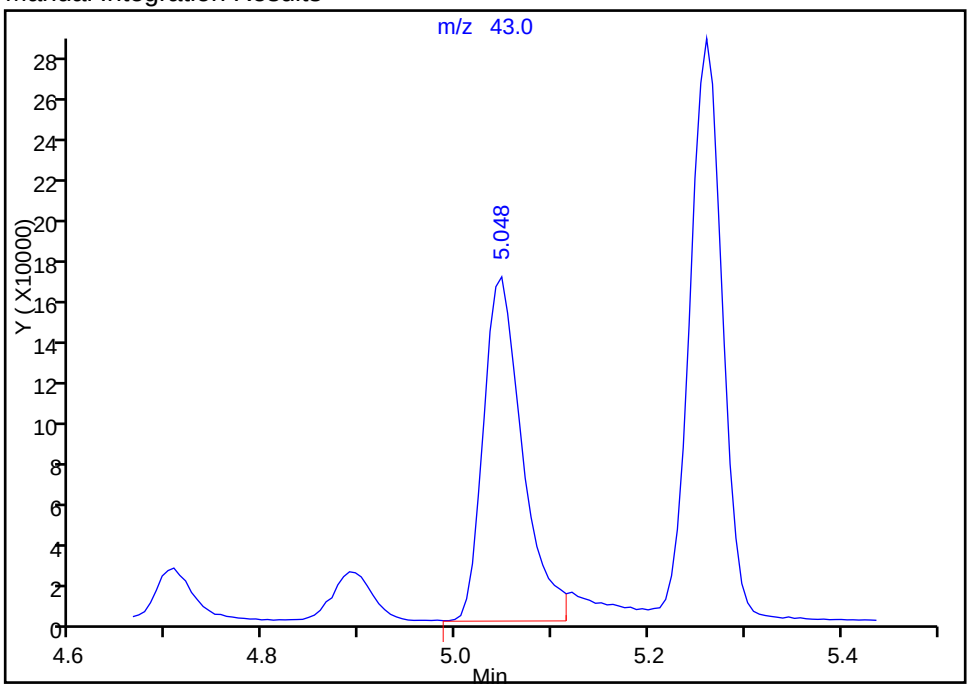
Processing Integration Results

RT: 5.05
Area: 513251
Amount: 2935.5029
Amount Units: ug/kg



Manual Integration Results

RT: 5.05
Area: 472632
Amount: 2770.1347
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 13:16:04
Audit Action: Manually Integrated
Audit Reason: Other

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3002.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 08-Dec-2015 19:04:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0049053-010
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 13:49:46 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 10-Dec-2015 18:06:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.376	0.006	99	172373	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	85	357670	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	341600	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	197141	50.0	49.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	115424	50.0	48.5	
$ 5 Toluene-d8 (Surr)	98	6.751	6.751	0.000	93	736774	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.415	0.001	89	234840	50.0	49.9	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	99	1245450	200.0	182.7	
12 Chloromethane	50	2.079	2.060	0.019	99	843151	200.0	175.0	
13 Vinyl chloride	62	2.188	2.176	0.012	98	802973	200.0	176.6	
151 Butadiene	54	2.194	2.182	0.012	93	743927	200.0	173.9	
14 Bromomethane	94	2.468	2.462	0.006	92	461136	200.0	183.6	
15 Chloroethane	64	2.535	2.523	0.012	100	351688	200.0	186.3	
16 Dichlorofluoromethane	67	2.699	2.687	0.012	99	1039384	200.0	177.9	
17 Trichlorofluoromethane	101	2.705	2.705	0.000	98	1217235	200.0	187.5	
18 Ethyl ether	59	2.912	2.906	0.006	87	777988	200.0	195.3	
20 Acrolein	56	3.070	3.064	0.006	100	737094	1000.0	962.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.101	0.006	92	945165	200.0	186.0	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	930089	200.0	188.5	
23 Acetone	43	3.180	3.180	0.000	100	1249290	1000.0	899.5	
25 Iodomethane	142	3.283	3.277	0.006	99	1745617	200.0	188.4	
26 Carbon disulfide	76	3.338	3.332	0.006	99	3020171	200.0	186.9	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	83	1231958	200.0	183.4	
27 Methyl acetate	43	3.399	3.399	0.000	96	3041835	1000.0	923.2	
30 Methylene Chloride	84	3.508	3.508	0.000	86	1015223	200.0	197.1	
31 2-Methyl-2-propanol	59	3.563	3.557	0.006	99	980718	2000.0	1971.2	
32 Methyl tert-butyl ether	73	3.661	3.660	0.001	93	3084698	200.0	192.4	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	96	1013986	200.0	185.8	
33 Acrylonitrile	53	3.715	3.709	0.006	98	2853537	2000.0	1891.7	
35 Hexane	57	3.837	3.831	0.006	91	1387011	200.0	168.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.013	0.000	97	3450728	400.0	381.2	
39 1,1-Dichloroethane	63	4.032	4.025	0.007	96	1657905	200.0	186.2	
44 2,2-Dichloropropane	77	4.470	4.463	0.007	86	1525318	200.0	191.1	
43 2-Butanone (MEK)	43	4.470	4.469	0.001	98	1958168	1000.0	967.9	
45 cis-1,2-Dichloroethene	96	4.482	4.476	0.006	81	1090585	200.0	185.7	
48 Chlorobromomethane	128	4.683	4.682	0.001	88	560925	200.0	192.2	
49 Tetrahydrofuran	42	4.701	4.707	-0.006	81	517739	400.0	377.7	
50 Chloroform	83	4.719	4.719	0.000	92	1813780	200.0	186.5	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	97	1651420	200.0	190.9	
52 Cyclohexane	56	4.889	4.889	0.000	85	1350649	200.0	178.2	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	97	1396447	200.0	184.1	
55 Carbon tetrachloride	117	4.987	4.987	0.000	99	1510693	200.0	195.1	
53 Isobutyl alcohol	43	5.042	5.047	-0.005	93	908243	5000.0	5325.2	M
57 Benzene	78	5.169	5.163	0.006	95	3780349	200.0	181.5	
58 1,2-Dichloroethane	62	5.206	5.199	0.007	98	1397801	200.0	185.3	
59 n-Heptane	43	5.261	5.254	0.007	86	1293847	200.0	177.7	
62 Trichloroethene	95	5.686	5.686	0.000	98	1064774	200.0	188.0	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	1727254	200.0	181.4	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	91	864828	200.0	188.5	
66 1,4-Dioxane	88	6.015	6.015	0.000	90	187879	4000.0	3929.7	
67 Dibromomethane	93	6.039	6.033	0.006	95	651103	200.0	193.3	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	1436425	200.0	204.8	
69 2-Chloroethyl vinyl ether	63	6.356	6.355	0.001	94	555275	200.0	202.2	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	96	1661263	200.0	198.8	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	93	3969776	1000.0	937.0	
74 Toluene	92	6.818	6.818	0.000	99	2485485	200.0	182.4	
75 Ethyl methacrylate	69	7.037	7.037	0.000	84	1292565	200.0	205.6	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	96	1571813	200.0	209.1	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	717582	200.0	194.0	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	1128966	200.0	187.8	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	98	1474695	200.0	190.2	
80 2-Hexanone	43	7.414	7.414	0.000	93	2952423	1000.0	973.4	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	1123248	200.0	218.6	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	950151	200.0	198.4	
87 Chlorobenzene	112	8.223	8.223	0.000	95	2746100	200.0	186.8	
88 Ethylbenzene	91	8.290	8.290	0.000	98	4494109	200.0	181.6	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	95	1001199	200.0	201.9	
90 m-Xylene & p-Xylene	106	8.406	8.399	0.007	100	1852369	200.0	185.5	
91 o-Xylene	106	8.838	8.837	0.001	96	1800433	200.0	190.5	
92 Styrene	104	8.856	8.856	0.000	93	3088893	200.0	193.7	
95 Bromoform	173	9.130	9.129	0.001	96	698763	200.0	233.0	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	4425783	200.0	181.2	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	97	1077779	200.0	185.3	
101 Bromobenzene	156	9.586	9.586	0.000	91	1230553	200.0	188.7	
98 trans-1,4-Dichloro-2-buten	53	9.622	9.622	0.000	59	354818	200.0	197.3	
99 N-Propylbenzene	91	9.629	9.628	0.001	98	5114014	200.0	175.7	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	82	369519	200.0	189.8	
103 2-Chlorotoluene	126	9.756	9.756	0.000	97	1089601	200.0	183.9	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	3778037	200.0	180.7	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	1166979	200.0	185.2	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	850995	200.0	182.6	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	3881524	200.0	178.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	4658432	200.0	176.2	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	95	4124156	200.0	181.8	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	2252472	200.0	185.6	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	94	2252758	200.0	184.0	
115 n-Butylbenzene	91	10.815	10.815	0.000	97	3648527	200.0	178.2	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	2099633	200.0	185.1	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.581	0.006	86	247144	200.0	218.1	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	1440825	200.0	190.2	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	97	830879	200.0	185.5	
121 Naphthalene	128	12.445	12.445	0.000	97	3576809	200.0	184.7	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	1316897	200.0	189.3	
S 123 Total BTEX	1				0			921.5	
S 124 Xylenes, Total	1				0			376.0	
S 125 1,2-Dichloroethene, Total	1				0			371.5	
S 126 1,3-Dichloropropene, Total	1				0			407.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 100.00	Units: uL	
GAS CORP mix_00125	Amount Added: 100.00	Units: uL	
F 8260 SURR_00131	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00405	Amount Added: 1.00	Units: uL	Run Reagent

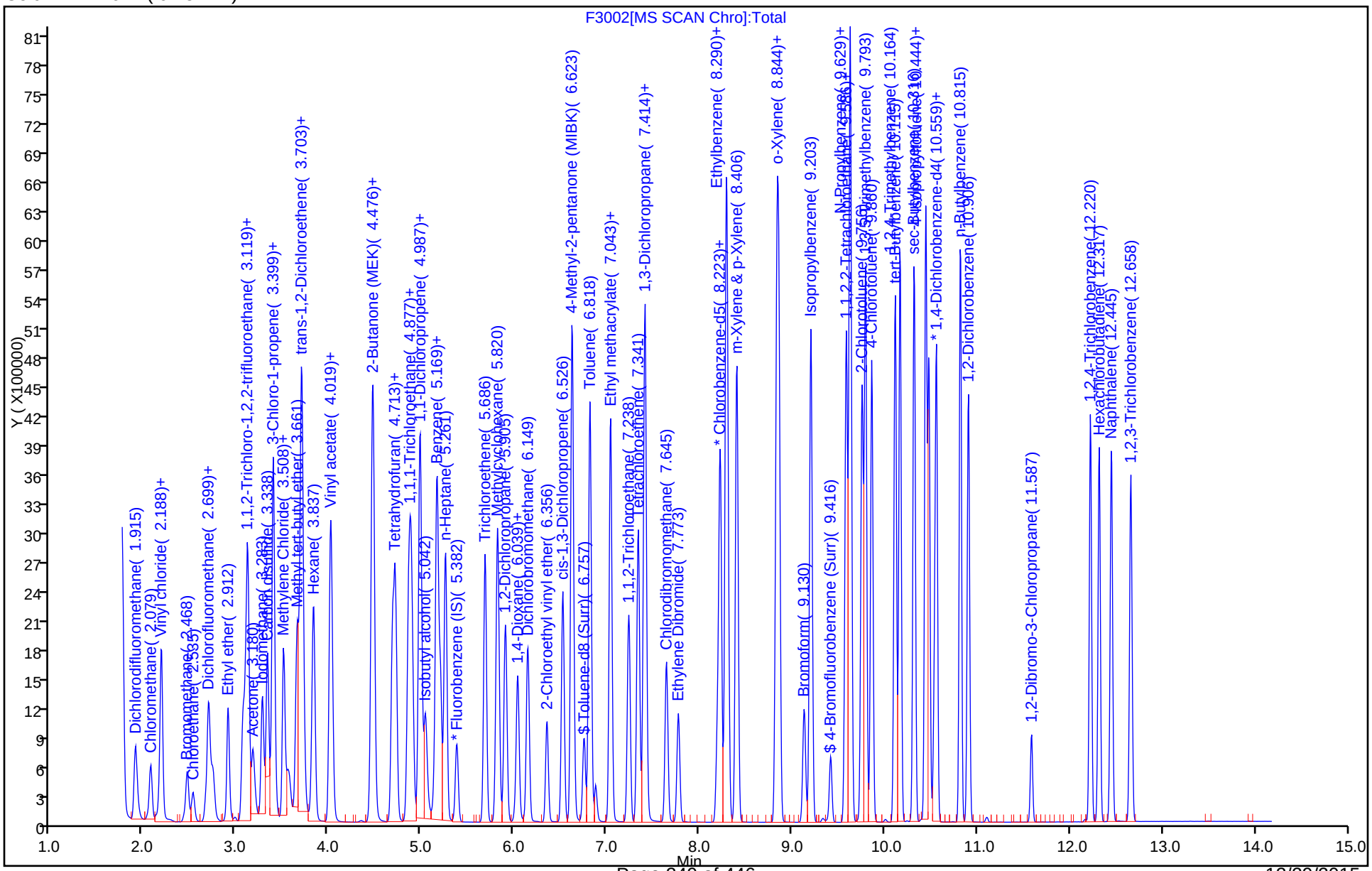
Report Date: 15-Dec-2015 13:49:49 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3002.D

Injection Date:	08-Dec-2015 19:04:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 7			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

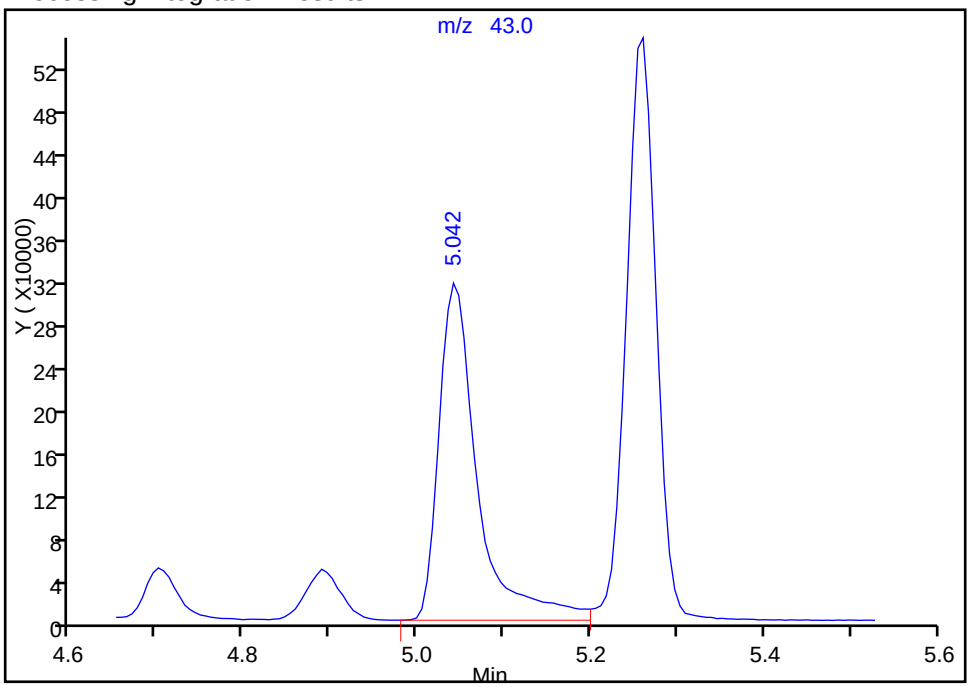
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3002.D
Injection Date: 08-Dec-2015 19:04:30 Instrument ID: HP5973F
Lims ID: IC 7
Client ID:
Operator ID: CDC ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

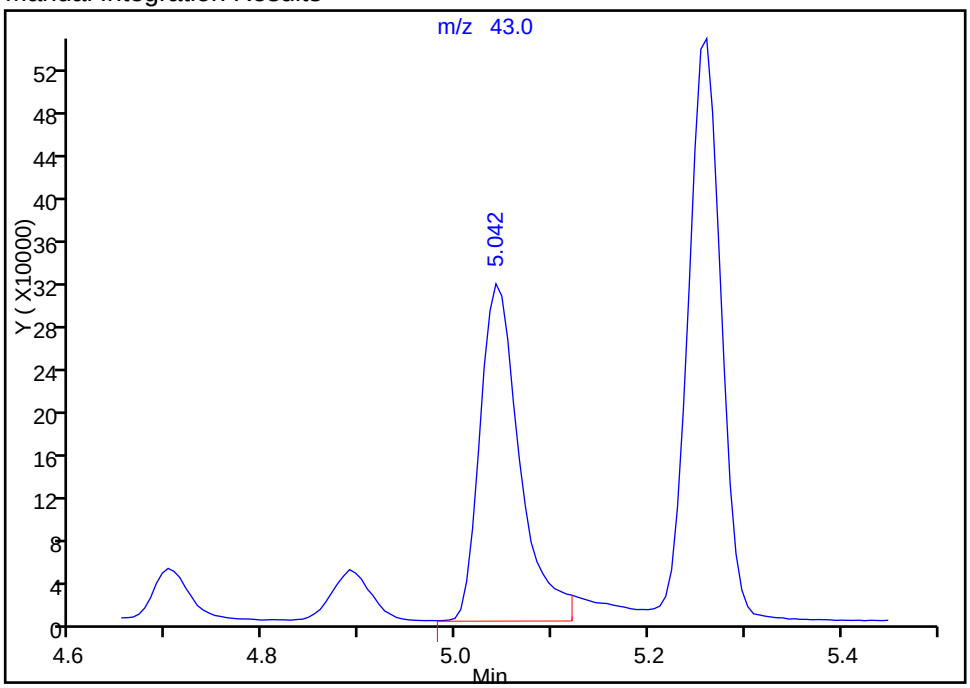
Processing Integration Results

RT: 5.04
Area: 974879
Amount: 5652.7669
Amount Units: ug/kg



Manual Integration Results

RT: 5.04
Area: 908243
Amount: 5325.1702
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 13:16:52
Audit Action: Manually Integrated
Audit Reason: Other

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.3308	1.2228 1.3281	1.4173	1.2277	1.1873	Ave		1.2857			0.1000	6.8		20.0			
Chloromethane	2.6961 2.4460	2.4219 2.4662	2.5310	2.3741	2.3572	Ave		2.4704			0.1000	4.7		20.0			
Vinyl chloride	+++++ 1.3481	1.3310 1.3920	1.3940	1.2340	1.2716	Ave		1.3284			0.1000	4.9		20.0			
Butadiene	1.5549 1.5384	1.9251 1.6681	1.6908	1.4393	1.4325	Ave		1.6070				10.7		20.0			
Bromomethane	+++++ 0.3967	0.4565 0.4243	0.3830	0.3936	0.3829	Ave		0.4062			0.1000	7.1		20.0			
Chloroethane	0.7687 0.5370	0.9305 0.5802	0.5734	0.5220	0.5063	Lin1	0.1636	0.5524			0.1000				0.9960		0.9900
Dichlorofluoromethane	1.3977 1.4819	1.1522 1.5223	1.4956	1.4367	1.4342	Ave		1.4172				8.8		20.0			
Trichlorofluoromethane	+++++ 1.2589	1.0880 1.2913	1.2539	1.0953	1.1737	Ave		1.1935			0.1000	7.4		20.0			
Ethyl ether	1.2557 1.4184	1.6013 1.4768	1.4571	1.4603	1.4312	Ave		1.4430				7.1		20.0			
Acrolein	+++++ 0.2852	0.2816 0.2989	0.2634	0.2678	0.2770	Ave		0.2790				4.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0173	0.9454 1.0421	1.0630	0.9781	0.9164	Ave		0.9937			0.1000	5.7		20.0			
1,1-Dichloroethene	+++++ 1.1287	1.0839 1.1598	1.2015	1.0921	1.0797	Ave		1.1243			0.1000	4.3		20.0			
Acetone	0.4633 0.4612	0.5130 0.4696	0.4375	0.4517	0.4611	Ave		0.4654			0.1000	5.0		20.0			
Iodomethane	+++++ 1.2304	1.3831 1.4343	1.1310	1.1859	1.2009	Ave		1.2609				9.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.0021 3.1786	3.5312 3.3572	3.3393	3.0658	3.1305	Ave		3.2292			0.1000	5.8		20.0			
Allyl chloride	2.0519 2.2637	2.7757 2.2696	2.3594	2.3039	2.2676	Ave		2.3274				9.4		20.0			
Methyl acetate	0.9908 1.2368	1.2558 1.2704	1.1773	1.2300	1.2374	Ave		1.1998			0.1000	8.1		20.0			
Methylene Chloride	+++++ 1.1081	1.8483 1.1526	1.3217	1.2482	1.1598	Lin1	0.7692	1.1308			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1370	0.1178 0.1509	0.1025	0.1112	0.1246	Ave		0.1240				14.2		20.0			
Methyl tert-butyl ether	+++++ 3.2064	3.4175 3.2628	3.1983	3.2748	3.2215	Ave		3.2635			0.1000	2.5		20.0			
trans-1,2-Dichloroethene	+++++ 1.1279	1.2450 1.1421	1.1731	1.1286	1.1478	Ave		1.1607			0.1000	3.8		20.0			
Acrylonitrile	0.5377 0.6585	0.6704 0.6749	0.6425	0.6589	0.6638	Ave		0.6438				7.4		20.0			
Hexane	2.4329 2.6765	2.7773 2.7037	2.8705	2.4459	2.4056	Ave		2.6161				7.1		20.0			
1,1-Dichloroethane	2.2567 2.4619	2.8101 2.5186	2.6497	2.4995	2.4710	Ave		2.5239			0.2000	6.8		20.0			
Vinyl acetate	+++++ 3.4563	2.7944 3.6713	2.7773	2.9332	3.2066	Ave		3.1399				11.7		20.0			
2,2-Dichloropropane	+++++ 0.8991	0.8034 0.9214	0.9584	0.9015	0.9008	Ave		0.8974				5.7		20.0			
cis-1,2-Dichloroethene	+++++ 1.2344	1.3411 1.2426	1.2719	1.2860	1.2513	Ave		1.2712			0.1000	3.1		20.0			
2-Butanone (MEK)	+++++ 0.7538	0.7221 0.7932	0.6912	0.7274	0.7381	Ave		0.7376			0.1000	4.6		20.0			
Chlorobromomethane	0.6513 0.6512	0.6583 0.6508	0.6793	0.6507	0.6677	Ave		0.6585				1.7		20.0			
Tetrahydrofuran	+++++ 0.5425	0.6431 0.5686	0.5059	0.5341	0.5368	Ave		0.5552				8.6		20.0			
Chloroform	1.8471 1.8870	2.0843 1.9269	1.9642	1.9383	1.9346	Ave		1.9403			0.2000	3.8		20.0			
1,1,1-Trichloroethane	1.3854 1.4015	1.3909 1.4632	1.4266	1.3535	1.3322	Ave		1.3933			0.1000	3.1		20.0			
Cyclohexane	+++++ 2.9362	3.3099 3.1667	3.0763	2.7890	2.7359	Ave		3.0023			0.1000	7.4		20.0			
Carbon tetrachloride	+++++ 1.3431	1.3284 1.4158	1.2384	1.1969	1.2273	Ave		1.2917			0.1000	6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.5293 1.5521	1.6623 1.5684	1.6602	1.5477	1.5337	Ave		1.5791				3.6		20.0			
Benzene	4.3031 4.4027	4.6741 4.3079	4.7423	4.5450	4.4926	Ave		4.4954			0.5000	3.8		20.0			
Isobutyl alcohol	+++++ 0.0713	0.0602 0.0784	0.0492	0.0542	0.0625	Ave		0.0626				17.2		20.0			
1,2-Dichloroethane	2.1750 1.9281	2.2132 1.9484	1.9832	2.0437	1.9787	Ave		2.0386			0.1000	5.5		20.0			
n-Heptane	+++++ 2.7515	2.8798 2.7471	2.9053	2.4863	2.5075	Ave		2.7129				6.6		20.0			
Trichloroethene	1.1431 1.1633	1.3312 1.1866	1.1687	1.1359	1.1676	Ave		1.1852			0.2000	5.6		20.0			
Methylcyclohexane	1.9605 2.0573	2.0750 2.1021	2.1814	1.8383	1.8607	Ave		2.0108			0.1000	6.4		20.0			
1,2-Dichloropropane	+++++ 1.3827	1.4493 1.4215	1.3586	1.3873	1.3762	Ave		1.3959			0.1000	2.4		20.0			
Dibromomethane	+++++ 0.6288	0.6806 0.6364	0.5967	0.6762	0.6463	Ave		0.6442			0.1000	4.9		20.0			
1,4-Dioxane	+++++ 0.0055	0.0056 0.0056	0.0044	0.0049	0.0053	Ave		0.0052				8.7		20.0			
Bromodichloromethane	+++++ 1.3421	1.1376 1.4133	1.1292	1.1655	1.2275	Ave		1.2359			0.2000	9.5		20.0			
2-Chloroethyl vinyl ether	+++++ 0.9409	0.8905 0.9823	0.8761	0.8951	0.9280	Ave		0.9188				4.3		20.0			
cis-1,3-Dichloropropene	+++++ 1.8316	1.7174 1.8873	1.5729	1.6933	1.7960	Ave		1.7498			0.2000	6.4		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.7200	0.6321 0.7399	0.6410	0.6842	0.7001	Ave		0.6862			0.1000	6.3		20.0			
Toluene	+++++ 1.3227	1.3854 1.3496	1.4058	1.3512	1.3200	Ave		1.3558			0.4000	2.5		20.0			
trans-1,3-Dichloropropene	+++++ 0.7498	0.6215 0.7897	0.6432	0.6670	0.7035	Ave		0.6958			0.1000	9.3		20.0			
Ethyl methacrylate	+++++ 0.6229	0.4789 0.6646	0.4843	0.5515	0.5808	Ave		0.5638				13.2		20.0			
1,1,2-Trichloroethane	+++++ 0.3624	0.4178 0.3699	0.3615	0.3755	0.3634	Ave		0.3751			0.1000	5.8		20.0			
Tetrachloroethene	+++++ 0.6448	0.6666 0.6522	0.6971	0.6366	0.6225	Ave		0.6533			0.2000	4.0		20.0			
1,3-Dichloropropane	+++++ 0.7889	0.8341 0.8088	0.8029	0.8288	0.7961	Ave		0.8099				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.5065	0.3792 0.5249	0.4303	0.4632	0.4880	Ave		0.4654			0.1000	11.5		20.0			
Dibromochloromethane	+++++ 0.4560	0.3430 0.5187	0.3332	0.3817	0.4113	Ave		0.4073			0.1000	17.4		20.0			
1,2-Dibromoethane	0.4283 0.4647	0.3412 0.4813	0.4580	0.4651	0.4667	Ave		0.4436				10.8		20.0			
Chlorobenzene	1.5673 1.5489	1.6013 1.5627	1.6289	1.6149	1.5525	Ave		1.5824			0.5000	2.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.5158	0.3837 0.5450	0.4651	0.4873	0.4976	Ave		0.4824				11.5		20.0			
Ethylbenzene	+++++ 2.4365	2.4017 2.4397	2.5268	2.4965	2.4365	Ave		2.4563			0.1000	1.9		20.0			
m,p-Xylene	+++++ 1.0424	1.0572 1.0573	1.0608	1.0199	1.0136	Ave		1.0419			0.1000	2.0		20.0			
o-Xylene	+++++ 1.0158	0.9931 1.0349	1.0321	1.0204	0.9994	Ave		1.0159			0.3000	1.7		20.0			
Styrene	+++++ 1.6549	1.5774 1.6693	1.5913	1.6688	1.6508	Ave		1.6354			0.3000	2.5		20.0			
Bromoform	+++++ 0.2361	0.1761 +++++	0.1631	0.1740	0.1986	Ave		0.1896			0.1000	15.3		20.0			
Isopropylbenzene	+++++ 2.4067	2.4343 2.4129	2.4247	2.3691	2.3678	Ave		2.4026			0.1000	1.2		20.0			
Bromobenzene	+++++ 0.6665	0.7117 0.6760	0.6631	0.6801	0.6718	Ave		0.6782				2.6		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5333	0.5529 0.5530	0.5020	0.5256	0.5237	Ave		0.5318			0.3000	3.7		20.0			
1,2,3-Trichloropropane	+++++ 0.1873	0.1736 0.1928	0.1922	0.1854	0.1927	Ave		0.1873				4.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2583	0.2069 0.2873	0.2177	0.2382	0.2543	Ave		0.2438				12.0		20.0			
N-Propylbenzene	+++++ 2.7549	2.7172 2.7092	2.7826	2.7248	2.7168	Ave		2.7343				1.0		20.0			
2-Chlorotoluene	0.5481 0.6087	0.6240 0.6117	0.6007	0.6054	0.6021	Ave		0.6001				4.0		20.0			
1,3,5-Trimethylbenzene	+++++ 2.0641	2.0607 2.0546	2.0877	2.0524	2.0404	Ave		2.0600				0.8		20.0			
4-Chlorotoluene	+++++ 0.6288	0.6636 0.6448	0.6750	0.6500	0.6350	Ave		0.6495				2.7		20.0			
tert-Butylbenzene	0.4282 0.5158	0.4280 0.5181	0.5087	0.5124	0.4999	Ave		0.4873				8.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.1082	2.0794 2.0852	2.1377	2.1208	2.1005	Ave		2.1053				1.0		20.0			
sec-Butylbenzene	+++++ 2.6029	2.6138 2.5545	2.6580	2.4978	2.5331	Ave		2.5767				2.3		20.0			
1,3-Dichlorobenzene	1.1767 1.2862	1.4066 1.2798	1.3438	1.3367	1.3067	Ave		1.3052			0.6000	5.4		20.0			
4-Isopropyltoluene	+++++ 2.4176	2.3330 2.3718	2.4312	2.3965	2.3769	Ave		2.3878				1.5		20.0			
1,4-Dichlorobenzene	1.2287 1.2956	1.4511 1.3002	1.3672	1.3268	1.2925	Ave		1.3232			0.5000	5.3		20.0			
n-Butylbenzene	+++++ 1.9744	1.8428 1.9276	1.9540	1.8808	1.9281	Ave		1.9180				2.5		20.0			
1,2-Dichlorobenzene	1.2195 1.2367	1.3095 1.2451	1.2941	1.3095	1.2479	Ave		1.2660			0.4000	2.9		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0896	0.0689 0.1031	0.0680	0.0723	0.0788	Ave		0.0801			0.0500	17.2		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9147	0.9568 0.9331	0.9473	0.9229	0.9023	Ave		0.9295			0.2000	2.2		20.0			
Hexachlorobutadiene	0.3929 0.3897	0.5300 0.4015	0.4088	0.3835	0.3839	Ave		0.4129				12.7		20.0			
Naphthalene	+++++ 2.2212	2.0731 2.3383	2.0486	2.1119	2.1789	Ave		2.1620				5.0		20.0			
1,2,3-Trichlorobenzene	0.8885 0.8564	0.8834 0.8831	0.8725	0.8901	0.8419	Ave		0.8737				2.1		20.0			
Dibromofluoromethane (Surr)	1.1154 1.1316	1.1431 1.1355	1.1398	1.1297	1.1370	Ave		1.1332				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7873 0.7599	0.8041 0.7557	0.7772	0.7715	0.7722	Ave		0.7754				2.1		20.0			
Toluene-d8 (Surr)	2.1597 2.1804	2.1701 2.2353	2.2646	2.1942	2.2209	Ave		2.2036				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.6900 0.7033	0.6982 0.7267	0.7264	0.6961	0.7031	Ave		0.7062				2.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 384878	6613 732166	39226	69208	167752	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	7253 707401	13098 1359630	70050	133830	333053	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	+++++ 389881	7198 767389	38582	69560	179662	+++++ 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	4183 444921	10411 919655	46796	81136	202402	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	+++++ 114735	2469 233914	10601	22185	54107	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Lin1	2068 155288	5032 319861	15871	29425	71541	0.500 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	3760 428557	6231 839254	41393	80991	202648	0.500 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	+++++ 364067	5884 711886	34704	61742	165837	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	3378 410204	8660 814181	40327	82317	202216	0.500 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	+++++ 412341	7614 824014	36451	75488	195663	+++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 294194	5113 574499	29420	55139	129487	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Ave	+++++ 326433	5862 639416	33254	61561	152549	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	6232 666854	13871 1294453	60549	127327	325776	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	+++++ 355845	7480 790710	31302	66852	169677	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	8076 919270	19097 1850817	92423	172823	442319	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	5520 654665	15011 1251259	65302	129876	320400	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	13327 1788408	33957 3501767	162926	346679	874197	2.50 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	+++++ 320479	9996 635449	36580	70360	163870	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	+++++ 396153	6369 831957	28372	62657	176036	+++++ 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	+++++ 927310	18482 1798787	88520	184602	455171	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 326177	6733 629624	32469	63618	162176	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	14466 1904536	36255 3721025	177820	371449	937951	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	6545 774063	15020 1490572	79448	137879	339893	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	6071 711976	15197 1388492	73335	140899	349138	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	+++++ 1999132	30225 4048027	153732	330701	906140	+++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 260020	4345 507948	26527	50817	127274	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 356979	7253 685068	35201	72491	176801	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	+++++ 1089965	19526 2186412	95655	205030	521469	+++++ 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	1752 188339	3560 358803	18800	36683	94337	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	+++++ 313782	6956 626974	28005	60220	151679	+++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	4969 545719	11272 1062310	54364	109266	273346	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	3727 405331	7522 806655	39485	76296	188231	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	+++++ 849146	17900 1745813	85143	157217	386557	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	+++++ 388432	7184 780531	34276	67472	173413	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	4114 448860	8990 864665	45948	87248	216695	0.500 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	11576 1273280	25278 2374990	131252	256205	634777	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	+++++ 515258	8143 1081037	34019	76362	220608	+++++ 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	5851 557623	11969 1074152	54890	115208	279571	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	+++++ 795739	15574 1514477	80409	140157	354291	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	3075 336443	7199 654158	32345	64031	164967	0.500 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	5274 594963	11222 1158878	60375	103629	262907	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	+++++ 399881	7838 783659	37601	78204	194453	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	+++++ 181849	3681 350847	16516	38116	91319	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	+++++ 69823	1390 134550	5373	12325	33462	+++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	+++++ 388124	6152 779182	31252	65702	173441	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 272104	4816 541526	24248	50460	131120	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 529705	9288 1040474	43533	95452	253766	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 2303686	39518 4467025	195072	426755	1103729	+++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	+++++ 846474	17324 1629513	85564	168561	416198	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 479849	7772 953423	39151	83208	221802	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	+++++ 398620	5988 802412	29477	68795	183114	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 231896	5225 446618	22003	46850	114567	+++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	+++++ 412634	8336 787428	42427	79418	196259	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	+++++ 504839	10430 976493	48870	103400	251020	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	+++++ 1620695	23708 3168492	130954	288951	769332	+++++ 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	+++++ 291798	4289 626312	20280	47612	129665	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBZ	Ave	2633 297386	4267 581097	27874	58018	147160	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	9636 991172	20023 1886737	99142	201464	489503	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 330105	4798 658067	28311	60788	156892	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	+++++ 1559193	30032 2945674	153796	311438	768201	+++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	+++++ 667091	13220 1276629	64566	127235	319588	+++++ 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	+++++ 650046	12418 1249533	62822	127291	315108	+++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	+++++ 1059058	19725 2015443	96856	208180	520475	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	+++++ 151093	2202 +++++	9927	21712	62613	+++++ 50.0	1.00 +++++	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	+++++ 1592966	31400 3037383	155131	308097	769696	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	+++++ 441115	9180 851016	42421	88443	218378	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 353013	7132 696118	32118	68357	170247	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 123972	2239 242757	12295	24112	62652	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 170994	2669 361615	13930	30971	82663	+++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	+++++ 1823439	35048 3410446	178027	354350	883134	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	3581 402879	8049 770020	38434	78736	195715	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 1366200	26580 2586418	133570	266907	663249	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	+++++ 416165	8559 811729	43185	84531	206417	+++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	2798 341425	5521 652188	32546	66641	162497	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 1395377	26822 2624879	136768	275797	682796	+++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	+++++ 1722835	33715 3215691	170056	324824	823426	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	7688 851308	18143 1611103	85971	173838	424764	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	+++++ 1600178	30093 2985715	155542	311653	772647	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	8028 857547	18718 1636702	87474	172541	420148	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	+++++ 1306828	23770 2426545	125016	244588	626745	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	7968 818524	16891 1567356	82796	170294	405634	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59301	889 129795	4350	9406	25618	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 605408	12342 1174572	60608	120022	293300	+++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	2567 257956	6836 505418	26152	49873	124789	0.500 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	+++++ 1470204	26740 2943541	131067	274641	708276	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	5805 566866	11395 1111686	55819	115758	273684	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	163079 177854	167995 170114	171454	173046	174615	27.2 27.2	27.2 27.2	27.2	27.2	27.2
1,2-Dichloroethane-d4 (Surr)	FB	Ave	115111 119444	118176 113208	116902	118182	118593	27.2 27.2	27.2 27.2	27.2	27.2	27.2
Toluene-d8 (Surr)	CBZ	Ave	721610 758326	737390 733388	749115	743834	761118	27.2 27.2	27.2 27.2	27.2	27.2	27.2
4-Bromofluorobenzene (Surr)	CBZ	Ave	230551 244603	237257 238419	240269	235976	240952	27.2 27.2	27.2 27.2	27.2	27.2	27.2

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Dec-2015 13:52:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0049002-005
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:12 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:39:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	134508	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	307398	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	94	326688	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	72	163079	27.2	26.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	115111	27.2	27.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	721610	27.2	26.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	230551	27.2	26.5	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	42	3024	0.5000	0.4372	
12 Chloromethane	50	1.401	1.407	-0.006	73	7253	0.5000	0.5457	
13 Vinyl chloride	62	1.505	1.505	0.000	15	3042	0.5000	0.4256	
151 Butadiene	54	1.535	1.535	0.000	77	4183	0.5000	0.4838	
14 Bromomethane	94	1.821	1.797	0.024	1	1381	0.5000	0.6319	
15 Chloroethane	64	1.919	1.919	0.000	1	2068	0.5000	0.3996	
16 Dichlorofluoromethane	67	2.120	2.132	-0.012	18	3760	0.5000	0.4931	
17 Trichlorofluoromethane	101	2.138	2.144	-0.006	19	2718	0.5000	0.4233	
18 Ethyl ether	59	2.424	2.424	0.000	53	3378	0.5000	0.4351	
20 Acrolein	56	2.588	2.582	0.006	49	2994	2.50	1.99	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	1	2131	0.5000	0.3986	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	40	2062	0.5000	0.3409	
23 Acetone	43	2.741	2.741	0.000	75	6232	2.50	2.49	
25 Iodomethane	142	2.820	2.820	0.000	51	2219	0.5000	0.3271	
26 Carbon disulfide	76	2.856	2.850	0.006	49	8076	0.5000	0.4648	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	31	5520	0.5000	0.4408	
27 Methyl acetate	43	3.051	3.045	0.006	95	13327	2.50	2.06	
30 Methylene Chloride	84	3.161	3.179	-0.018	62	7189	0.5000	0.5014	
31 2-Methyl-2-propanol	59	3.313	3.301	0.012	14	2038	5.00	3.06	
32 Methyl tert-butyl ether	73	3.374	3.368	0.006	63	7651	0.5000	0.4357	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	56	2619	0.5000	0.4194	
33 Acrylonitrile	53	3.410	3.404	0.006	96	14466	5.00	4.18	
35 Hexane	57	3.593	3.599	-0.006	72	6545	0.5000	0.4650	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.782	3.788	-0.006	1	6071	0.5000	0.4471	
37 Vinyl acetate	43	3.855	3.849	0.006	71	11181	1.00	0.6619	
44 2,2-Dichloropropane	77	4.323	4.317	0.006	22	2884	0.5000	0.5973	
45 cis-1,2-Dichloroethene	96	4.336	4.342	-0.006	20	2743	0.5000	0.4011	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	34	6507	2.50	1.64	
48 Chlorobromomethane	128	4.573	4.573	0.000	18	1752	0.5000	0.4945	
49 Tetrahydrofuran	42	4.628	4.603	0.025	35	2058	1.00	0.6890	
50 Chloroform	83	4.652	4.652	0.000	38	4969	0.5000	0.4760	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	1	3727	0.5000	0.4972	
52 Cyclohexane	56	4.804	4.804	0.000	1	6490	0.5000	0.4018	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	14	2749	0.5000	0.3956	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	1	4114	0.5000	0.4842	
53 Isobutyl alcohol	43	5.139	5.133	0.006	2	1519	12.5	4.51	
57 Benzene	78	5.133	5.133	0.000	59	11576	0.5000	0.4786	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	31	5851	0.5000	0.5334	
59 n-Heptane	43	5.334	5.340	-0.006	67	6313	0.5000	0.4325	
62 Trichloroethene	95	5.754	5.748	0.006	32	3075	0.5000	0.4822	
64 Methylcyclohexane	83	5.882	5.882	0.000	45	5274	0.5000	0.4875	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	25	2767	0.5000	0.3684	
67 Dibromomethane	93	6.113	6.107	0.006	18	1082	0.5000	0.3122	
66 1,4-Dioxane	88		6.119				ND	ND	
68 Dichlorobromomethane	83	6.265	6.265	0.000	1	2748	0.5000	0.4133	
69 2-Chloroethyl vinyl ether	63	6.552	6.546	0.006	1	1567	0.5000	0.3170	
72 cis-1,3-Dichloropropene	75	6.692	6.686	0.006	11	3376	0.5000	0.3586	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	69	13913	2.50	1.65	
74 Toluene	92	6.978	6.984	-0.006	78	6318	0.5000	0.3790	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	18	2457	0.5000	0.2872	
75 Ethyl methacrylate	69		7.306				ND	ND	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	7	1786	0.5000	0.3872	
81 Tetrachloroethene	166	7.526	7.520	0.006	36	3167	0.5000	0.3943	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	31	3913	0.5000	0.3929	
80 2-Hexanone	43	7.672	7.666	0.006	51	7762	2.50	1.36	
83 Chlorodibromomethane	129	7.836	7.830	0.006	1	1665	0.5000	0.3325	
84 Ethylene Dibromide	107	7.933	7.934	-0.001	34	2633	0.5000	0.4827	
87 Chlorobenzene	112	8.420	8.421	-0.001	31	9636	0.5000	0.4953	
89 1,1,1,2-Tetrachloroethane	131	8.524	8.518	0.006	1	1766	0.5000	0.2977	
88 Ethylbenzene	91	8.524	8.524	0.000	59	12284	0.5000	0.4067	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	5522	0.5000	0.4310	
91 o-Xylene	106	9.072	9.072	0.000	65	5502	0.5000	0.4404	
92 Styrene	104	9.096	9.096	0.000	26	8266	0.5000	0.4111	
95 Bromoform	173	9.334	9.328	0.006	1	983	0.5000	0.4217	
94 Isopropylbenzene	105	9.455	9.455	0.000	66	13657	0.5000	0.4350	
101 Bromobenzene	156	9.790	9.796	-0.006	50	3836	0.5000	0.4328	
97 1,1,2,2-Tetrachloroethane	83	9.839	9.833	0.006	1	2261	0.5000	0.3254	
100 1,2,3-Trichloropropane	110	9.857	9.869	-0.012	1	879	0.5000	0.3591	
99 N-Propylbenzene	91	9.888	9.882	0.006	74	13752	0.5000	0.3849	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.882	0.006	1	1215	0.5000	0.3814	
103 2-Chlorotoluene	126	9.985	9.985	0.000	58	3581	0.5000	0.4567	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	45	11054	0.5000	0.4106	
105 4-Chlorotoluene	126	10.095	10.095	0.000	39	3700	0.5000	0.4359	
106 tert-Butylbenzene	134	10.381	10.381	0.000	35	2798	0.5000	0.4394	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	43	10897	0.5000	0.3961	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	49	14129	0.5000	0.4196	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	52	7688	0.5000	0.4508	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	51	12673	0.5000	0.4061	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	1	8028	0.5000	0.4643	
115 n-Butylbenzene	91	11.117	11.117	0.000	67	8667	0.5000	0.3458	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	44	7968	0.5000	0.4816	
117 1,2-Dibromo-3-Chloropropan	75		11.872				ND	ND	
119 1,2,4-Trichlorobenzene	180	12.566	12.560	0.006	18	5135	0.5000	0.4228	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	1	2567	0.5000	0.4758	
121 Naphthalene	128	12.773	12.773	0.000	12	11523	0.5000	0.4079	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	39	5805	0.5000	0.5084	
S 125 1,2-Dichloroethene, Total	1				0			0.8204	
S 126 1,3-Dichloropropene, Total	1				0			0.6458	
S 123 Total BTEX	1				0			2.14	
S 124 Xylenes, Total	1				0			0.8715	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

8260 CORP mix_00061	Amount Added:	0.50	Units: uL	
GAS CORP mix_00125	Amount Added:	0.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

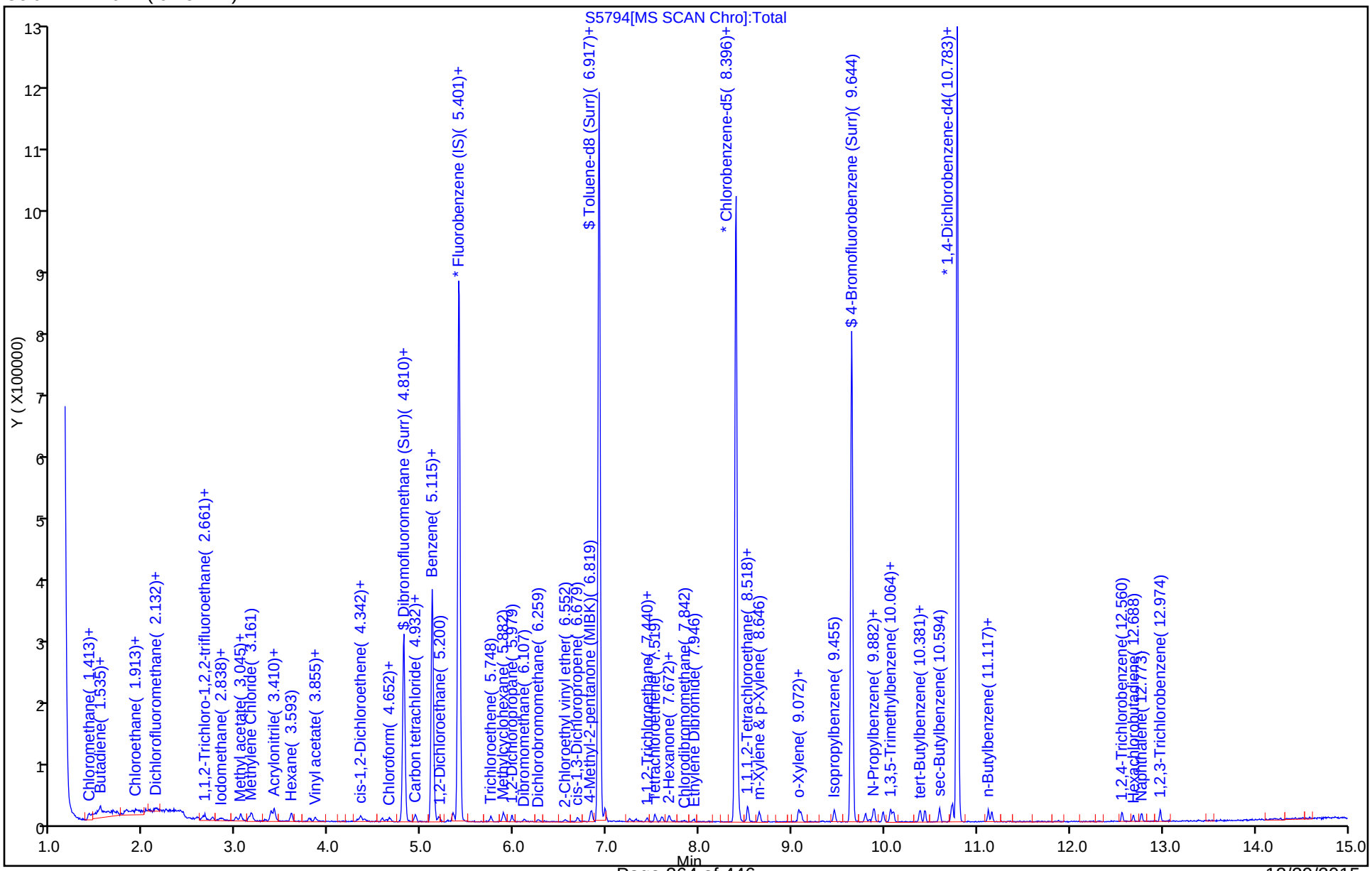
Report Date: 07-Dec-2015 22:59:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D

Injection Date:	07-Dec-2015 13:52:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Dec-2015 14:38:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049002-007
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:02 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:13:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	138385	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.390	0.000	86	304326	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	93	319891	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	82	171454	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	116902	27.2	27.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	749115	27.2	27.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	240269	27.2	27.9	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	67	39226	5.00	5.51	
12 Chloromethane	50	1.401	1.407	-0.006	88	70050	5.00	5.12	
13 Vinyl chloride	62	1.505	1.505	0.000	75	38582	5.00	5.25	
151 Butadiene	54	1.529	1.535	-0.006	86	46796	5.00	5.26	
14 Bromomethane	94	1.821	1.797	0.024	31	10601	5.00	4.71	
15 Chloroethane	64	1.919	1.919	0.000	59	15871	5.00	4.89	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	66	41393	5.00	5.28	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	55	34704	5.00	5.25	
18 Ethyl ether	59	2.424	2.424	0.000	94	40327	5.00	5.05	
20 Acrolein	56	2.582	2.582	0.000	82	36451	25.0	23.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	28	29420	5.00	5.35	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	76	33254	5.00	5.34	M
23 Acetone	43	2.741	2.741	0.000	97	60549	25.0	23.5	
25 Iodomethane	142	2.814	2.820	-0.006	83	31302	5.00	4.48	
26 Carbon disulfide	76	2.856	2.850	0.006	95	92423	5.00	5.17	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	75	65302	5.00	5.07	
27 Methyl acetate	43	3.045	3.045	0.000	97	162926	25.0	24.5	
30 Methylene Chloride	84	3.167	3.179	-0.012	77	36580	5.00	5.16	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	86	28372	50.0	41.3	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	90	88520	5.00	4.90	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	79	32469	5.00	5.05	
33 Acrylonitrile	53	3.404	3.404	0.000	98	177820	50.0	49.9	
35 Hexane	57	3.599	3.599	0.000	94	79448	5.00	5.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	74	73335	5.00	5.25	
37 Vinyl acetate	43	3.849	3.849	0.000	90	153732	10.0	8.85	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	72	26527	5.00	5.34	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	71	35201	5.00	5.00	
43 2-Butanone (MEK)	43	4.378	4.372	0.006	91	95655	25.0	23.4	
48 Chlorobromomethane	128	4.573	4.573	0.000	77	18800	5.00	5.16	
49 Tetrahydrofuran	42	4.610	4.603	0.007	84	28005	10.0	9.11	
50 Chloroform	83	4.652	4.652	0.000	79	54364	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	81	39485	5.00	5.12	
52 Cyclohexane	56	4.804	4.804	0.000	45	85143	5.00	5.12	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	68	34276	5.00	4.79	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	84	45948	5.00	5.26	
53 Isobutyl alcohol	43	5.133	5.133	0.000	44	34019	125.0	98.1	M
57 Benzene	78	5.133	5.133	0.000	89	131252	5.00	5.27	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	58	54890	5.00	4.86	
59 n-Heptane	43	5.340	5.340	0.000	95	80409	5.00	5.35	
62 Trichloroethene	95	5.748	5.748	0.000	82	32345	5.00	4.93	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	60375	5.00	5.42	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	83	37601	5.00	4.87	
67 Dibromomethane	93	6.107	6.107	0.000	77	16516	5.00	4.63	
66 1,4-Dioxane	88	6.119	6.119	0.000	20	5373	100.0	84.8	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	81	31252	5.00	4.57	
69 2-Chloroethyl vinyl ether	63	6.545	6.546	-0.001	76	24248	5.00	4.77	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	79	43533	5.00	4.49	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	97	195072	25.0	23.4	
74 Toluene	92	6.978	6.984	-0.006	88	85564	5.00	5.18	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	86	39151	5.00	4.62	
75 Ethyl methacrylate	69	7.306	7.306	0.000	86	29477	5.00	4.29	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	22003	5.00	4.82	
81 Tetrachloroethene	166	7.526	7.520	0.006	88	42427	5.00	5.34	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	88	48870	5.00	4.96	
80 2-Hexanone	43	7.666	7.666	0.000	98	130954	25.0	23.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	76	20280	5.00	4.09	
84 Ethylene Dibromide	107	7.940	7.934	0.006	80	27874	5.00	5.16	
87 Chlorobenzene	112	8.427	8.421	0.006	78	99142	5.00	5.15	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	33	28311	5.00	4.82	
88 Ethylbenzene	91	8.524	8.524	0.000	93	153796	5.00	5.14	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	64566	5.00	5.09	
91 o-Xylene	106	9.072	9.072	0.000	96	62822	5.00	5.08	
92 Styrene	104	9.096	9.096	0.000	93	96856	5.00	4.87	
95 Bromoform	173	9.334	9.328	0.006	60	9927	5.00	4.30	
94 Isopropylbenzene	105	9.455	9.455	0.000	95	155131	5.00	5.05	
101 Bromobenzene	156	9.790	9.796	-0.006	88	42421	5.00	4.89	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	77	32118	5.00	4.72	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	54	12295	5.00	5.13	
99 N-Propylbenzene	91	9.888	9.882	0.006	96	178027	5.00	5.09	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	30	13930	5.00	4.47	
103 2-Chlorotoluene	126	9.985	9.985	0.000	93	38434	5.00	5.01	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	93	133570	5.00	5.07	
105 4-Chlorotoluene	126	10.095	10.095	0.000	92	43185	5.00	5.20	
106 tert-Butylbenzene	134	10.381	10.381	0.000	85	32546	5.00	5.22	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	61	136768	5.00	5.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	82	170056	5.00	5.16	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	96	85971	5.00	5.15	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	93	155542	5.00	5.09	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	78	87474	5.00	5.17	
115 n-Butylbenzene	91	11.117	11.117	0.000	96	125016	5.00	5.09	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	87	82796	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	18	4350	5.00	4.24	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	89	60608	5.00	5.10	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	78	26152	5.00	4.95	
121 Naphthalene	128	12.773	12.773	0.000	93	131067	5.00	4.74	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	93	55819	5.00	4.99	
S 125 1,2-Dichloroethene, Total	1				0			10.1	
S 126 1,3-Dichloropropene, Total	1				0			9.12	
S 123 Total BTEX	1				0			25.8	
S 124 Xylenes, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

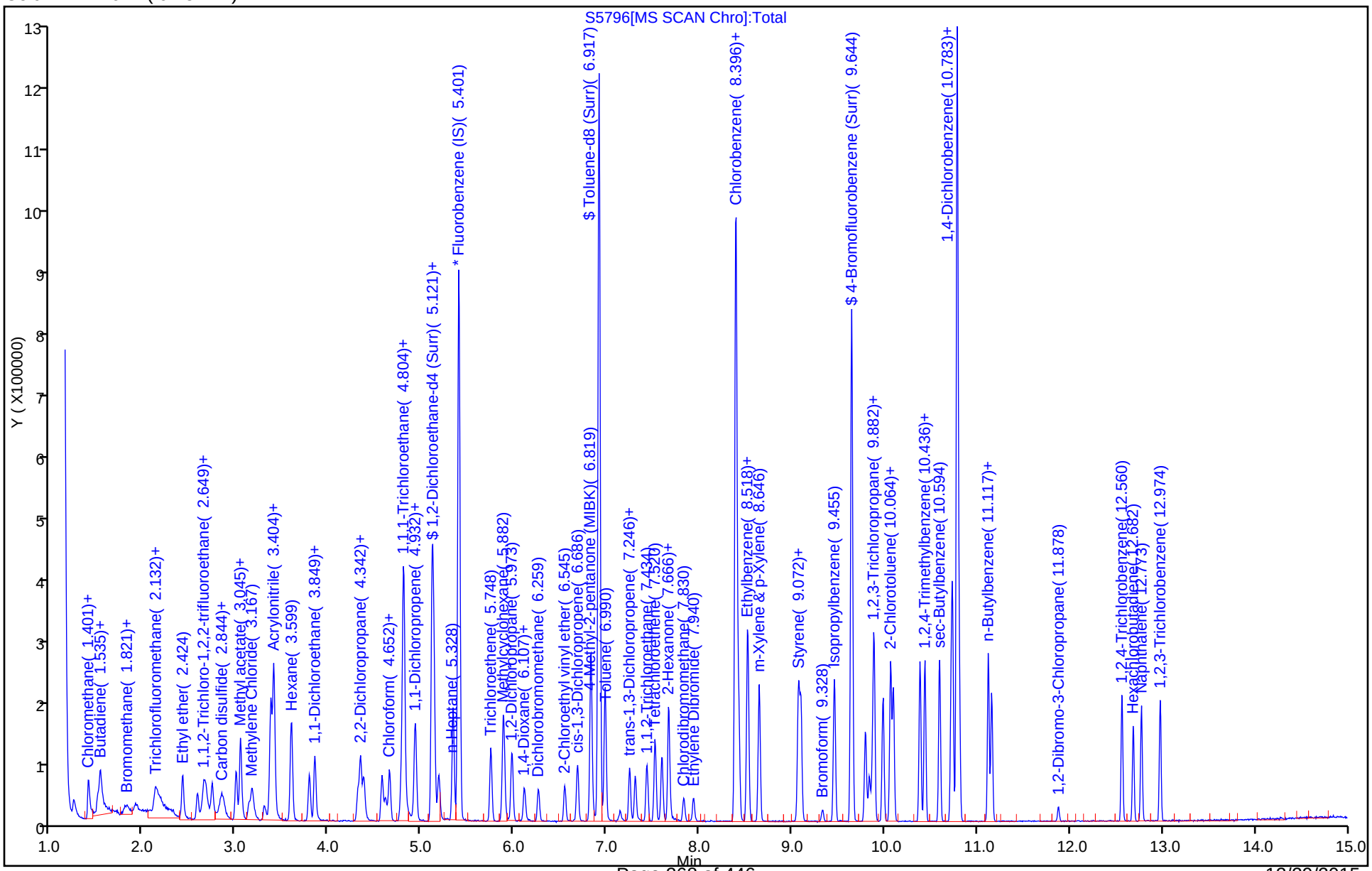
Report Date: 07-Dec-2015 22:59:03 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D

Injection Date:	07-Dec-2015 14:38:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

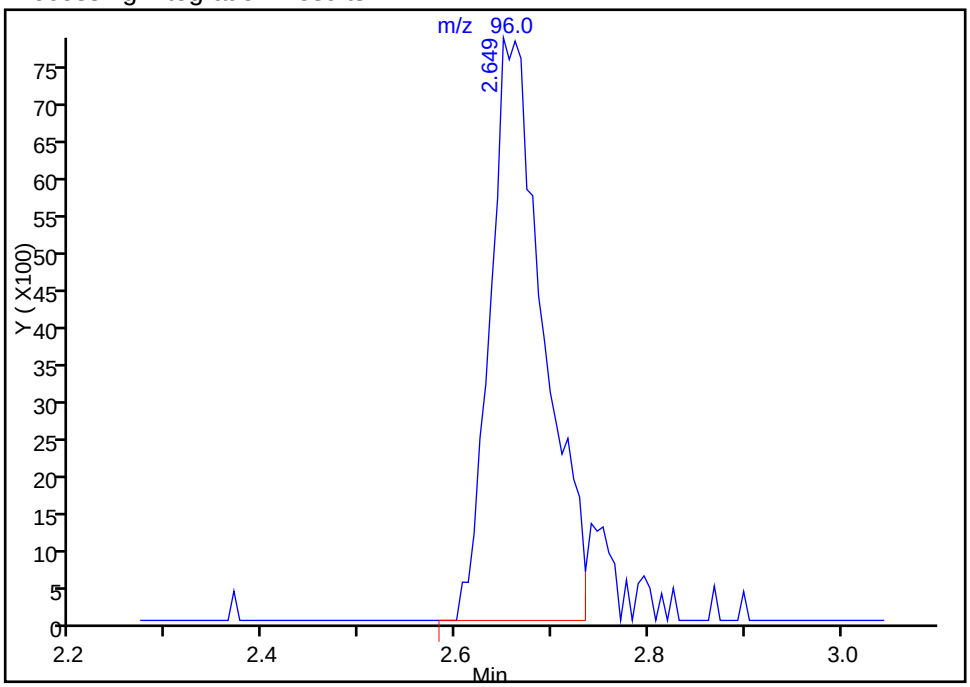
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

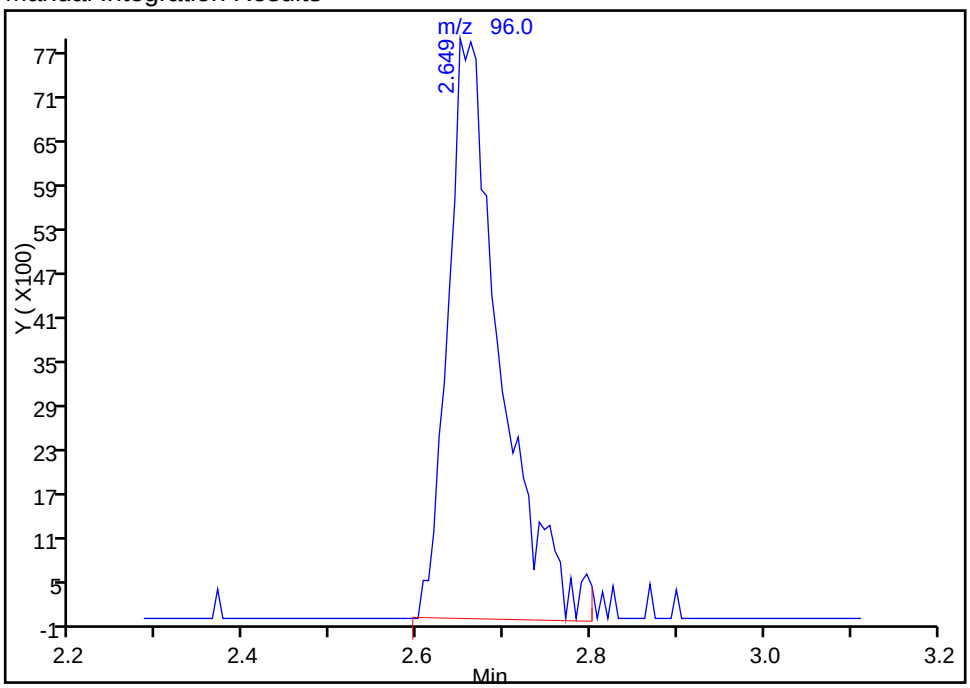
Processing Integration Results

RT: 2.65
Area: 30357
Amount: 4.954775
Amount Units: ug/L



Manual Integration Results

RT: 2.65
Area: 33254
Amount: 5.343396
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

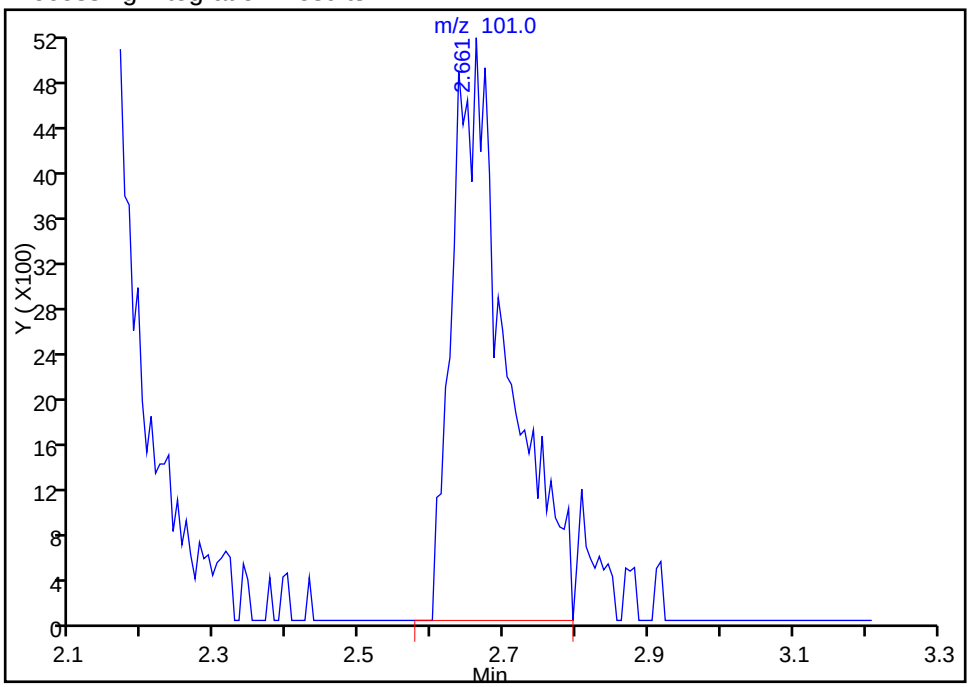
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

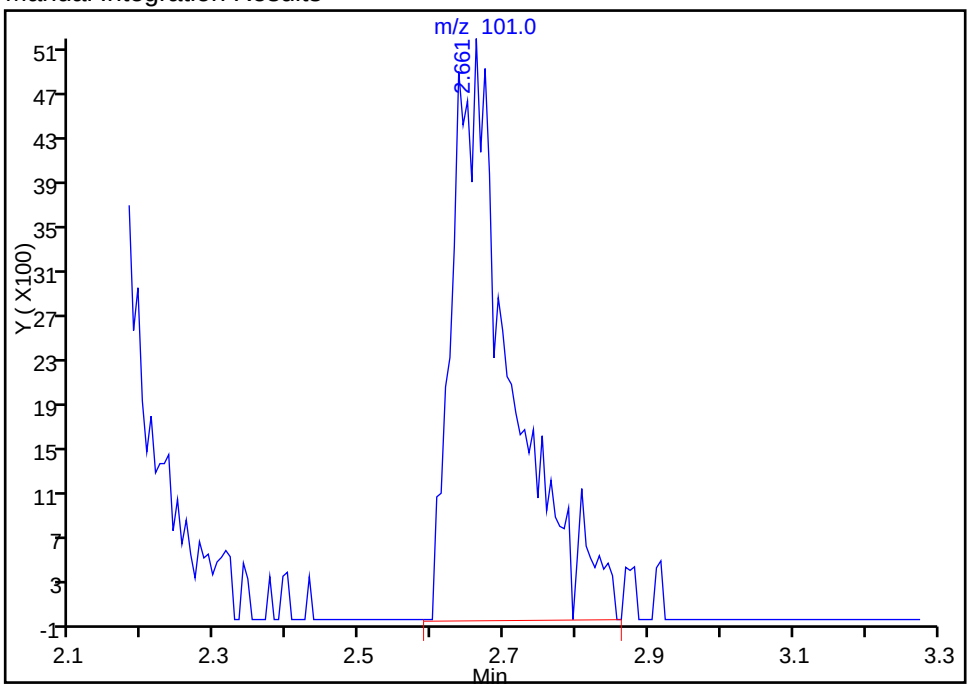
Processing Integration Results

RT: 2.66
Area: 27349
Amount: 5.035150
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 29420
Amount: 5.348460
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

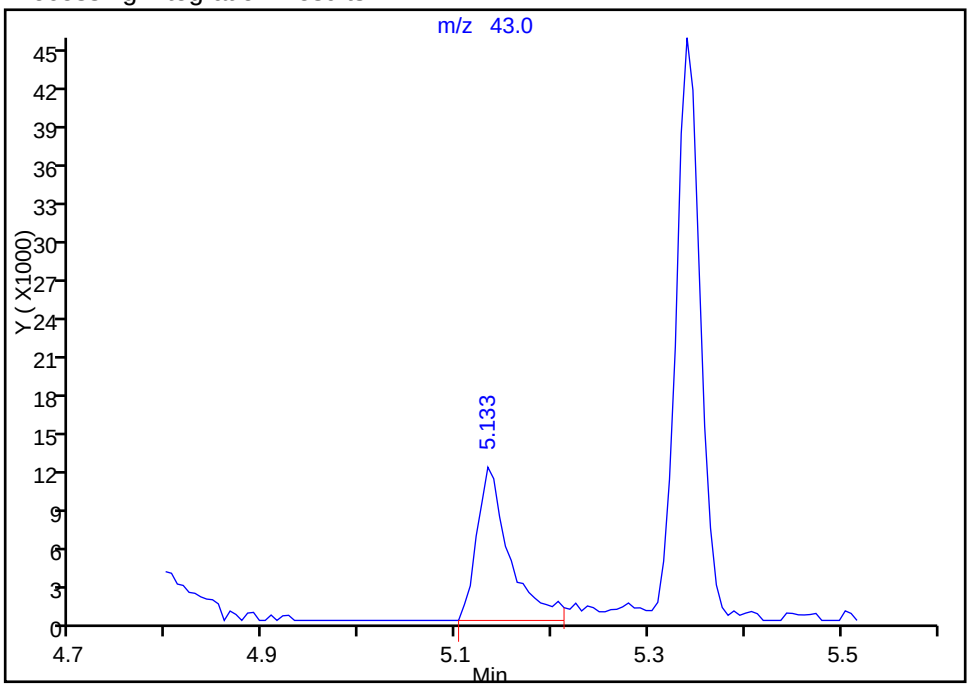
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

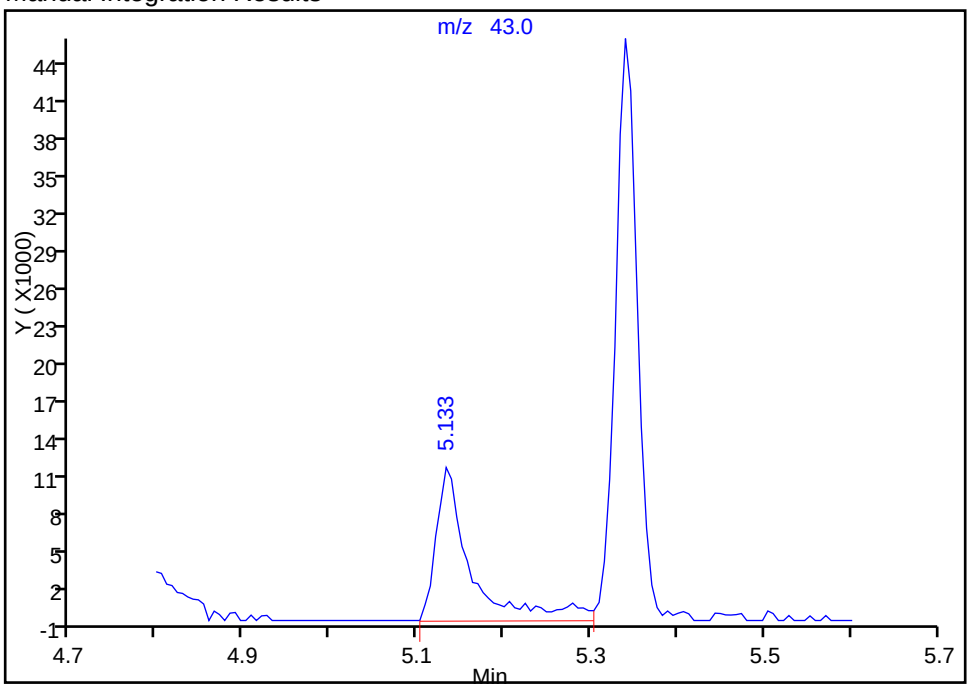
Processing Integration Results

RT: 5.13
Area: 28388
Amount: 86.726796
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 34019
Amount: 98.139275
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:38:06
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Dec-2015 15:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049002-008
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:04 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:12:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	140928	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	311880	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	89	325116	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.804	0.000	80	173046	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118182	27.2	27.0	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	743834	27.2	27.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	235976	27.2	26.8	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	81	69208	10.0	9.55	
12 Chloromethane	50	1.401	1.401	0.000	89	133830	10.0	9.61	
13 Vinyl chloride	62	1.505	1.505	0.000	77	69560	10.0	9.29	
151 Butadiene	54	1.529	1.529	0.000	87	81136	10.0	8.96	
14 Bromomethane	94	1.797	1.797	0.000	65	22185	10.0	9.69	
15 Chloroethane	64	1.919	1.919	0.000	76	29425	10.0	9.15	
16 Dichlorofluoromethane	67	2.126	2.126	0.000	77	80991	10.0	10.1	
17 Trichlorofluoromethane	101	2.138	2.138	0.000	46	61742	10.0	9.18	
18 Ethyl ether	59	2.418	2.418	0.000	90	82317	10.0	10.1	
20 Acrolein	56	2.582	2.582	0.000	95	75488	50.0	48.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	25	55139	10.0	9.84	
22 1,1-Dichloroethene	96	2.655	2.655	0.000	76	61561	10.0	9.71	
23 Acetone	43	2.741	2.741	0.000	97	127327	50.0	48.5	
25 Iodomethane	142	2.820	2.820	0.000	95	66852	10.0	9.41	
26 Carbon disulfide	76	2.850	2.850	0.000	98	172823	10.0	9.49	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	82	129876	10.0	9.90	
27 Methyl acetate	43	3.045	3.045	0.000	97	346679	50.0	51.3	
30 Methylene Chloride	84	3.173	3.173	0.000	90	70360	10.0	10.4	
31 2-Methyl-2-propanol	59	3.307	3.307	0.000	92	62657	100.0	89.6	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	91	184602	10.0	10.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	63618	10.0	9.72	
33 Acrylonitrile	53	3.404	3.404	0.000	98	371449	100.0	102.3	
35 Hexane	57	3.593	3.593	0.000	94	137879	10.0	9.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	83	140899	10.0	9.90	
37 Vinyl acetate	43	3.849	3.849	0.000	97	330701	20.0	18.7	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	78	50817	10.0	10.0	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	72491	10.0	10.1	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	205030	50.0	49.3	
48 Chlorobromomethane	128	4.573	4.573	0.000	85	36683	10.0	9.88	
49 Tetrahydrofuran	42	4.610	4.610	0.000	91	60220	20.0	19.2	
50 Chloroform	83	4.658	4.658	0.000	82	109266	10.0	9.99	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	84	76296	10.0	9.71	
52 Cyclohexane	56	4.804	4.804	0.000	65	157217	10.0	9.29	
55 Carbon tetrachloride	117	4.926	4.926	0.000	71	67472	10.0	9.27	
54 1,1-Dichloropropene	75	4.932	4.932	0.000	83	87248	10.0	9.80	
53 Isobutyl alcohol	43	5.133	5.133	0.000	47	76362	250.0	216.3	M
57 Benzene	78	5.133	5.133	0.000	93	256205	10.0	10.1	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	115208	10.0	10.0	
59 n-Heptane	43	5.340	5.340	0.000	96	140157	10.0	9.16	
62 Trichloroethene	95	5.748	5.748	0.000	84	64031	10.0	9.58	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	103629	10.0	9.14	
65 1,2-Dichloropropane	63	5.973	5.973	0.000	87	78204	10.0	9.94	
67 Dibromomethane	93	6.107	6.107	0.000	85	38116	10.0	10.5	
66 1,4-Dioxane	88	6.125	6.125	0.000	59	12325	200.0	189.7	
68 Dichlorobromomethane	83	6.266	6.266	0.000	86	65702	10.0	9.43	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	86	50460	10.0	9.74	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	74	95452	10.0	9.68	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	426755	50.0	49.9	
74 Toluene	92	6.984	6.984	0.000	93	168561	10.0	9.97	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	83208	10.0	9.59	
75 Ethyl methacrylate	69	7.307	7.307	0.000	88	68795	10.0	9.78	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	46850	10.0	10.0	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	79418	10.0	9.74	
82 1,3-Dichloropropane	76	7.599	7.599	0.000	94	103400	10.0	10.2	
80 2-Hexanone	43	7.666	7.666	0.000	98	288951	50.0	49.8	
83 Chlorodibromomethane	129	7.830	7.830	0.000	77	47612	10.0	9.37	
84 Ethylene Dibromide	107	7.934	7.934	0.000	87	58018	10.0	10.5	
87 Chlorobenzene	112	8.421	8.421	0.000	89	201464	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	39	60788	10.0	10.1	
88 Ethylbenzene	91	8.524	8.524	0.000	98	311438	10.0	10.2	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	127235	10.0	9.79	
91 o-Xylene	106	9.066	9.066	0.000	96	127291	10.0	10.0	
92 Styrene	104	9.096	9.096	0.000	97	208180	10.0	10.2	
95 Bromoform	173	9.328	9.328	0.000	87	21712	10.0	9.18	
94 Isopropylbenzene	105	9.456	9.456	0.000	96	308097	10.0	9.86	
101 Bromobenzene	156	9.790	9.790	0.000	88	88443	10.0	10.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	79	68357	10.0	9.88	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	54	24112	10.0	9.90	
99 N-Propylbenzene	91	9.888	9.888	0.000	96	354350	10.0	9.97	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	30	30971	10.0	9.77	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	78736	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	266907	10.0	9.96	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	84531	10.0	10.0	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	66641	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	62	275797	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	93	324824	10.0	9.69	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	97	173838	10.0	10.2	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	311653	10.0	10.0	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	172541	10.0	10.0	
115 n-Butylbenzene	91	11.118	11.118	0.000	96	244588	10.0	9.81	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	92	170294	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.879	0.000	49	9406	10.0	9.03	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	93	120022	10.0	9.93	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	87	49873	10.0	9.29	
121 Naphthalene	128	12.773	12.773	0.000	96	274641	10.0	9.77	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	92	115758	10.0	10.2	
S 125 1,2-Dichloroethene, Total	1				0			19.8	
S 126 1,3-Dichloropropene, Total	1				0			19.3	
S 123 Total BTEX	1				0			50.1	
S 124 Xylenes, Total	1				0			19.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

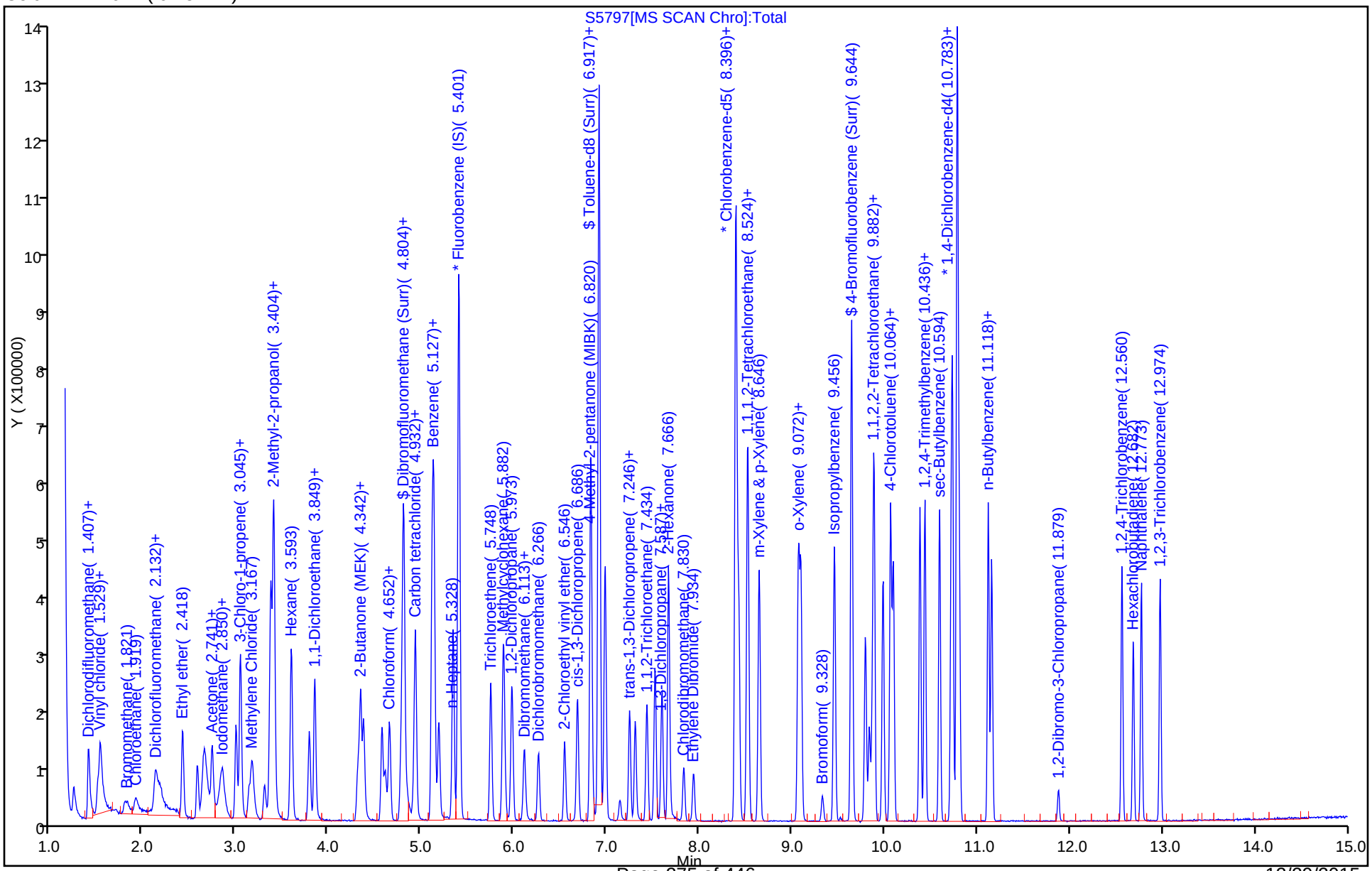
Report Date: 07-Dec-2015 22:59:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D

Injection Date:	07-Dec-2015 15:01:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

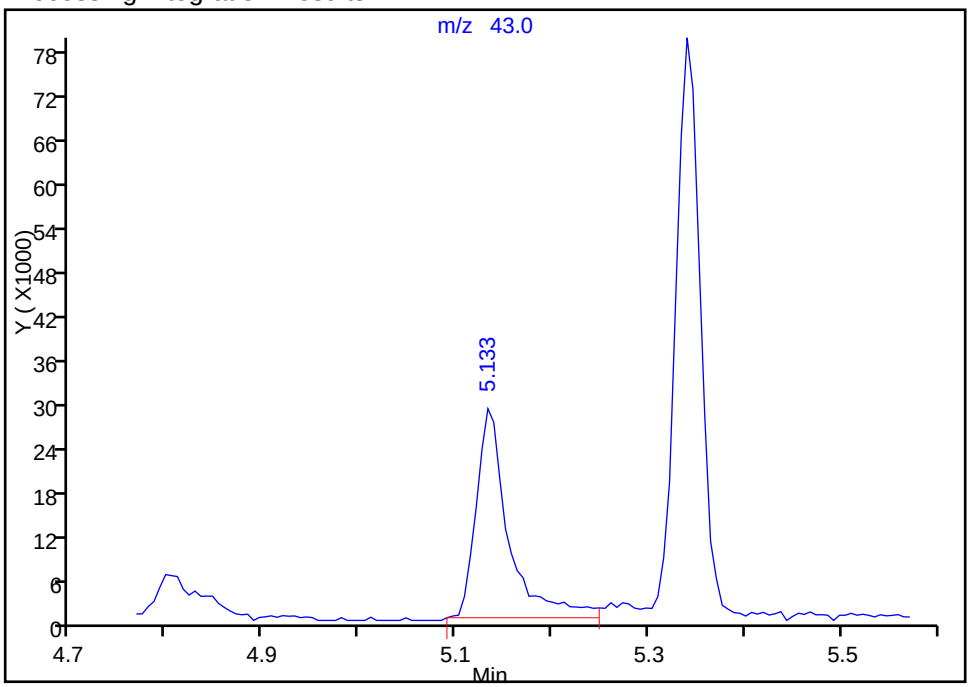
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Injection Date: 07-Dec-2015 15:01:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

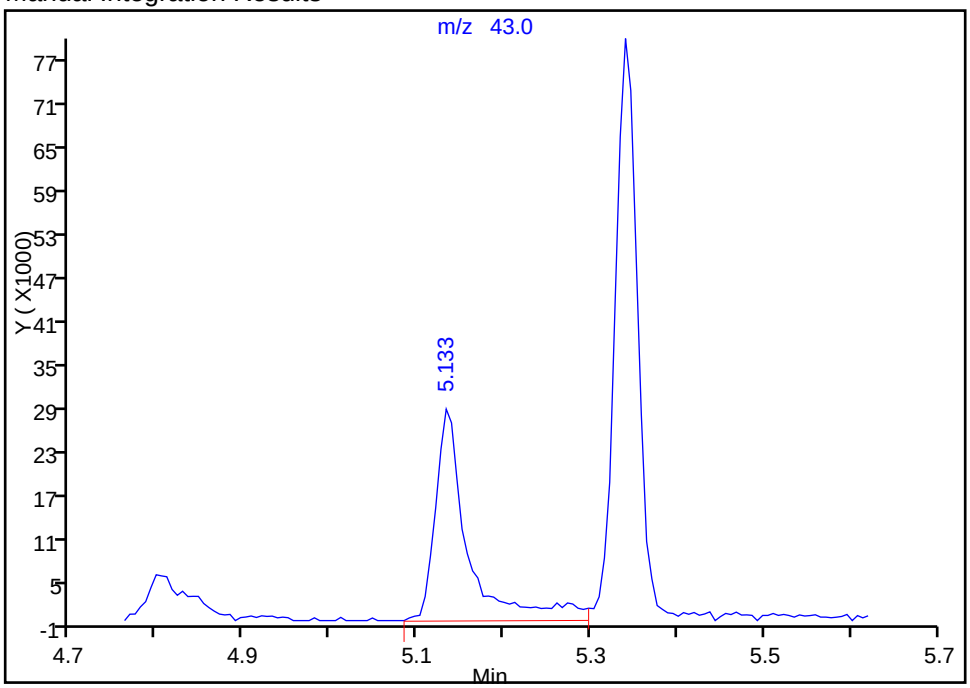
Processing Integration Results

RT: 5.13
Area: 66739
Amount: 195.7226
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 76362
Amount: 216.3168
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:42:58
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Lims ID: ICIS 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Dec-2015 15:24:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0049002-009
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:06 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	141293	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	315294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	72	325064	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	71	174615	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118593	27.2	27.1	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	761118	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	240952	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	87	167752	25.0	23.1	
12 Chloromethane	50	1.407	1.407	0.000	89	333053	25.0	23.9	
13 Vinyl chloride	62	1.505	1.505	0.000	81	179662	25.0	23.9	
151 Butadiene	54	1.535	1.535	0.000	88	202402	25.0	22.3	
14 Bromomethane	94	1.797	1.797	0.000	86	54107	25.0	23.6	
15 Chloroethane	64	1.919	1.919	0.000	88	71541	25.0	22.6	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	79	202648	25.0	25.3	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	58	165837	25.0	24.6	
18 Ethyl ether	59	2.424	2.424	0.000	97	202216	25.0	24.8	
20 Acrolein	56	2.582	2.582	0.000	96	195663	125.0	124.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	40	129487	25.0	23.1	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	79	152549	25.0	24.0	
23 Acetone	43	2.741	2.741	0.000	100	325776	125.0	123.9	
25 Iodomethane	142	2.820	2.820	0.000	97	169677	25.0	23.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	442319	25.0	24.2	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	84	320400	25.0	24.4	
27 Methyl acetate	43	3.045	3.045	0.000	97	874197	125.0	128.9	
30 Methylene Chloride	84	3.179	3.179	0.000	88	163870	25.0	25.0	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	96	176036	250.0	251.2	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	93	455171	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	162176	25.0	24.7	
33 Acrylonitrile	53	3.404	3.404	0.000	98	937951	250.0	257.8	
35 Hexane	57	3.599	3.599	0.000	94	339893	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	349138	25.0	24.5	
37 Vinyl acetate	43	3.849	3.849	0.000	97	906140	50.0	51.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	127274	25.0	25.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	176801	25.0	24.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	521469	125.0	125.1	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	94337	25.0	25.3	
49 Tetrahydrofuran	42	4.603	4.603	0.000	92	151679	50.0	48.3	
50 Chloroform	83	4.652	4.652	0.000	83	273346	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	188231	25.0	23.9	
52 Cyclohexane	56	4.804	4.804	0.000	91	386557	25.0	22.8	
55 Carbon tetrachloride	117	4.926	4.926	0.000	73	173413	25.0	23.8	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	88	216695	25.0	24.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	53	220608	625.0	623.3	M
57 Benzene	78	5.133	5.133	0.000	94	634777	25.0	25.0	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	279571	25.0	24.3	
59 n-Heptane	43	5.340	5.340	0.000	96	354291	25.0	23.1	
62 Trichloroethene	95	5.748	5.748	0.000	89	164967	25.0	24.6	
64 Methylcyclohexane	83	5.882	5.882	0.000	96	262907	25.0	23.1	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	194453	25.0	24.6	
67 Dibromomethane	93	6.107	6.107	0.000	88	91319	25.0	25.1	
66 1,4-Dioxane	88	6.119	6.119	0.000	46	33462	500.0	509.5	M
68 Dichlorobromomethane	83	6.265	6.265	0.000	90	173441	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	91	131120	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	83	253766	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	1103729	125.0	127.5	
74 Toluene	92	6.984	6.984	0.000	95	416198	25.0	24.3	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	221802	25.0	25.3	
75 Ethyl methacrylate	69	7.306	7.306	0.000	92	183114	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	114567	25.0	24.2	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	196259	25.0	23.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	251020	25.0	24.6	
80 2-Hexanone	43	7.666	7.666	0.000	98	769332	125.0	131.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	85	129665	25.0	25.2	
84 Ethylene Dibromide	107	7.934	7.934	0.000	96	147160	25.0	26.3	
87 Chlorobenzene	112	8.421	8.421	0.000	93	489503	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	40	156892	25.0	25.8	
88 Ethylbenzene	91	8.524	8.524	0.000	98	768201	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	319588	25.0	24.3	
91 o-Xylene	106	9.072	9.072	0.000	97	315108	25.0	24.6	
92 Styrene	104	9.096	9.096	0.000	95	520475	25.0	25.2	
95 Bromoform	173	9.328	9.328	0.000	91	62613	25.0	26.2	
94 Isopropylbenzene	105	9.455	9.455	0.000	96	769696	25.0	24.6	
101 Bromobenzene	156	9.796	9.796	0.000	89	218378	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	82	170247	25.0	24.6	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	60	62652	25.0	25.7	
99 N-Propylbenzene	91	9.882	9.882	0.000	97	883134	25.0	24.8	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	33	82663	25.0	26.1	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	195715	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	663249	25.0	24.8	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	206417	25.0	24.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	162497	25.0	25.6	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	682796	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	823426	25.0	24.6	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	424764	25.0	25.0	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	772647	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	93	420148	25.0	24.4	
115 n-Butylbenzene	91	11.117	11.117	0.000	97	626745	25.0	25.1	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	93	405634	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	48	25618	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	293300	25.0	24.3	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	124789	25.0	23.2	
121 Naphthalene	128	12.773	12.773	0.000	96	708276	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	273684	25.0	24.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	12.50	Units: uL	
GAS CORP mix_00125	Amount Added:	12.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

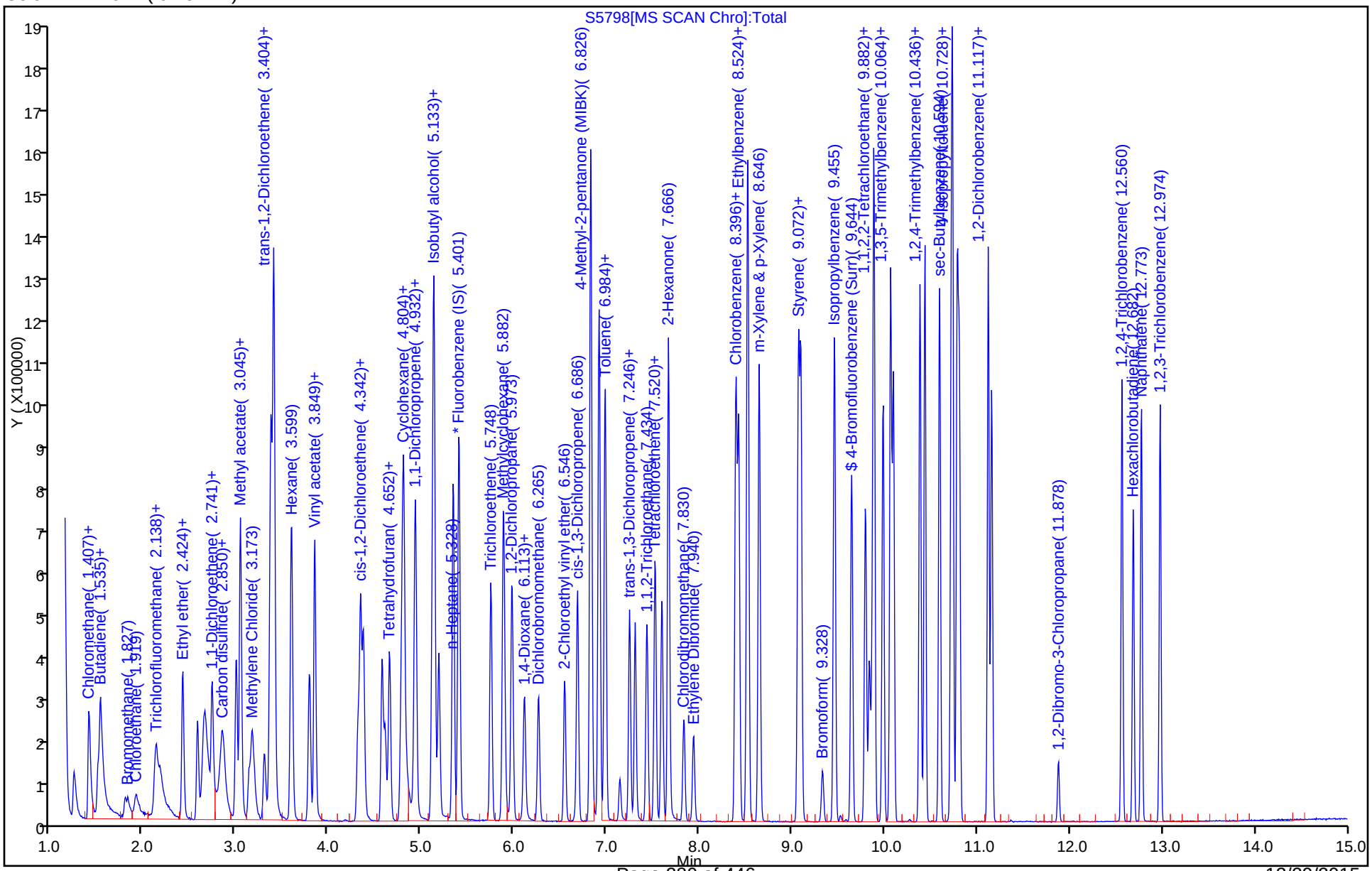
Report Date: 07-Dec-2015 22:59:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D

Injection Date:	07-Dec-2015 15:24:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICIS 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

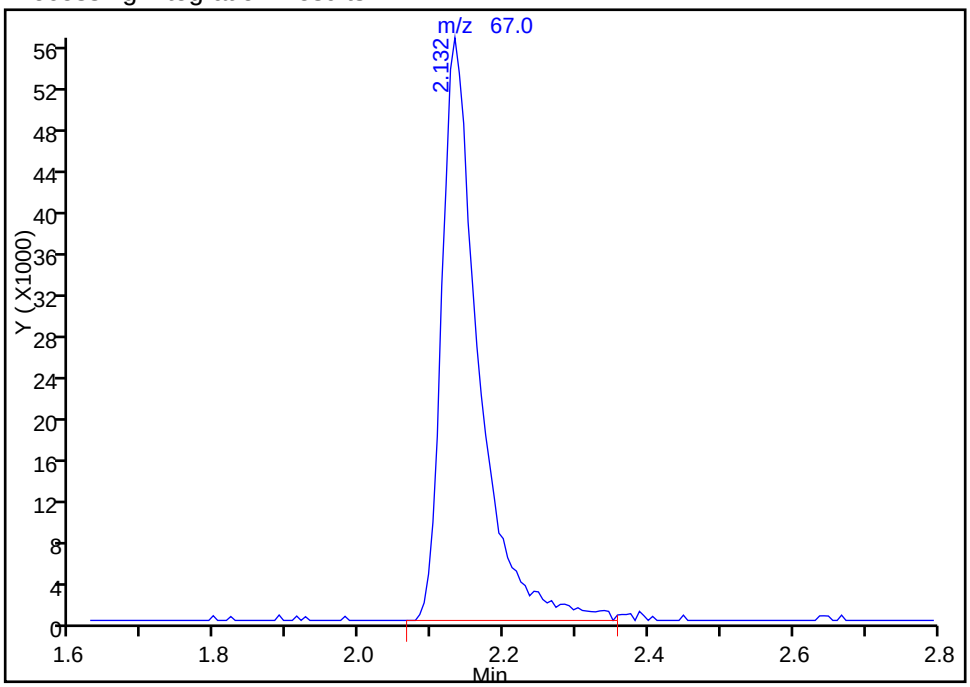
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

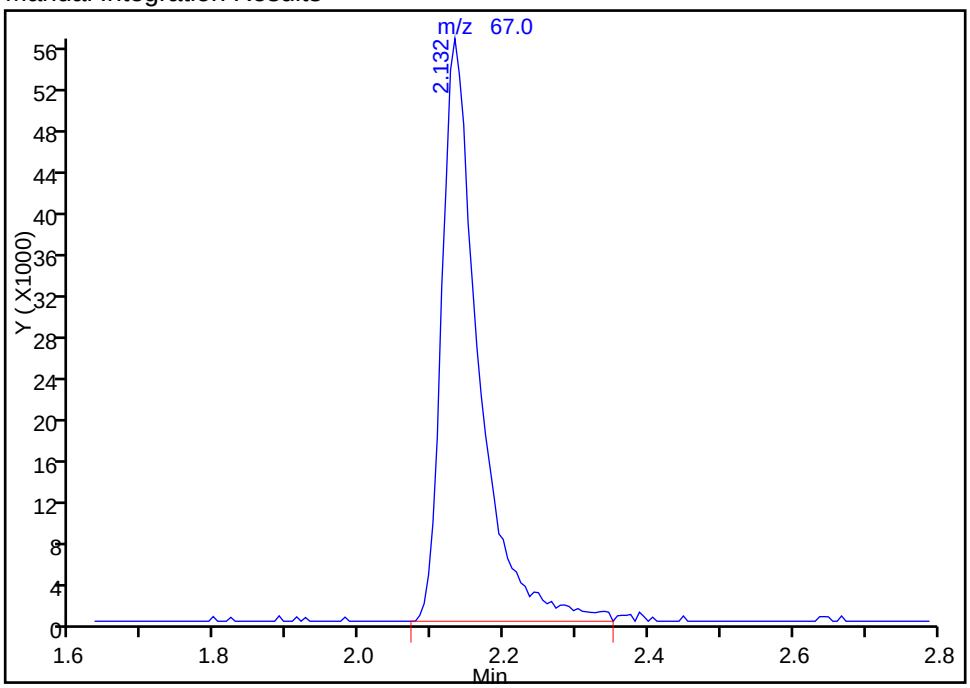
Processing Integration Results

RT: 2.13
Area: 202847
Amount: 24.281576
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 202648
Amount: 25.300133
Amount Units: ug/L



Reviewer: o'briens, 07-Dec-2015 18:22:37
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

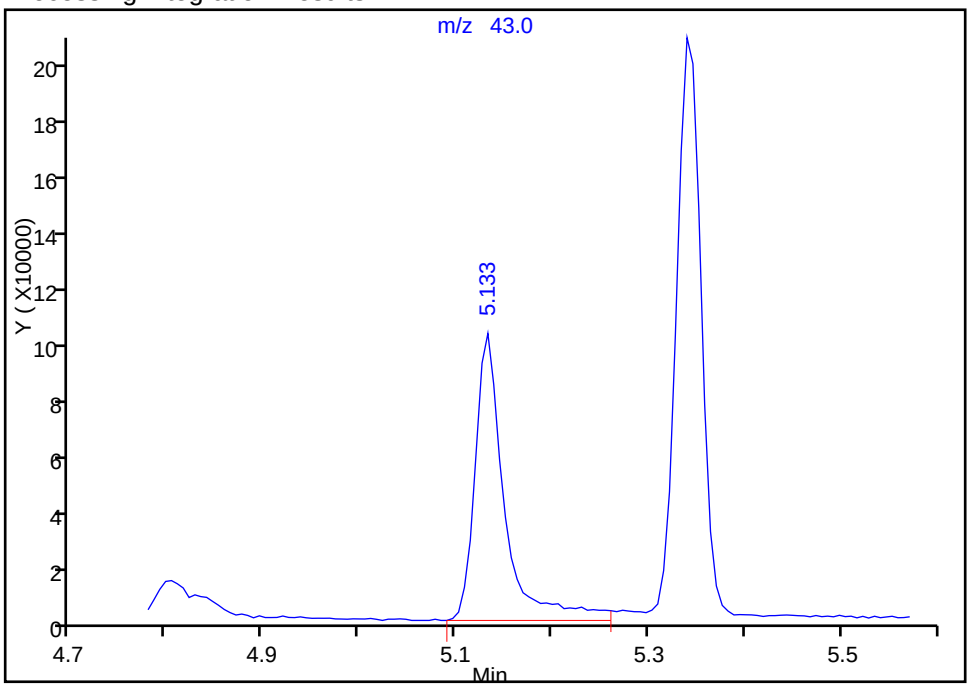
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

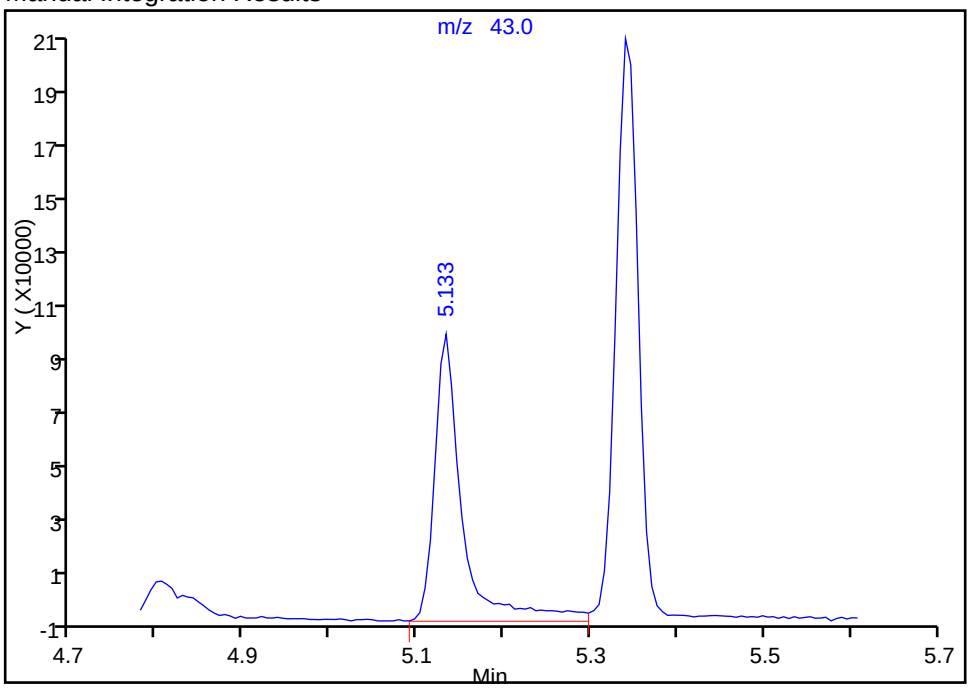
Processing Integration Results

RT: 5.13
Area: 212299
Amount: 609.5241
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 220608
Amount: 623.3198
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

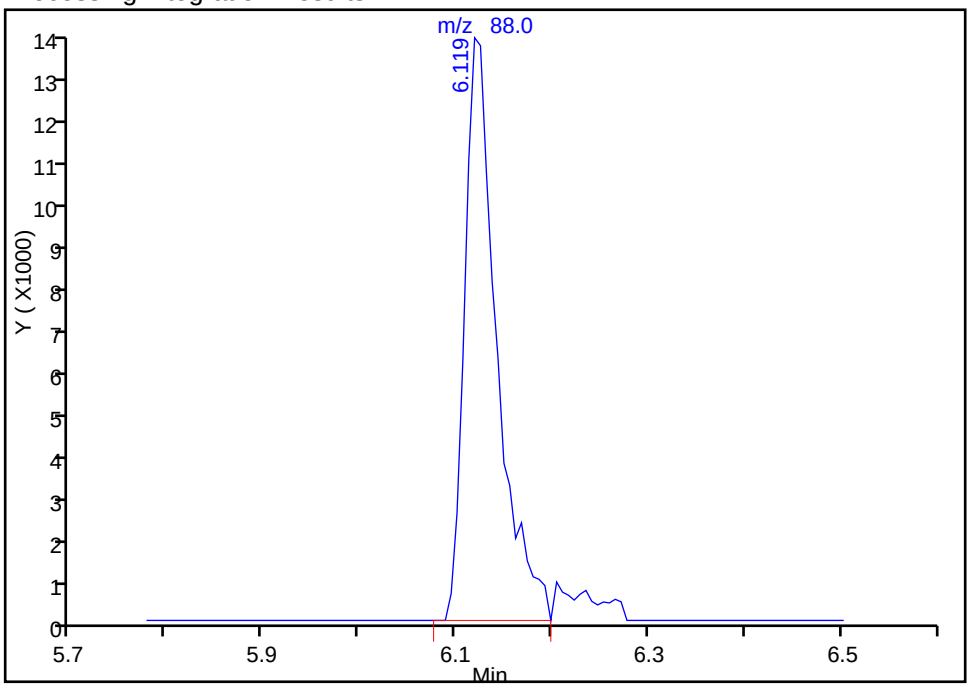
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

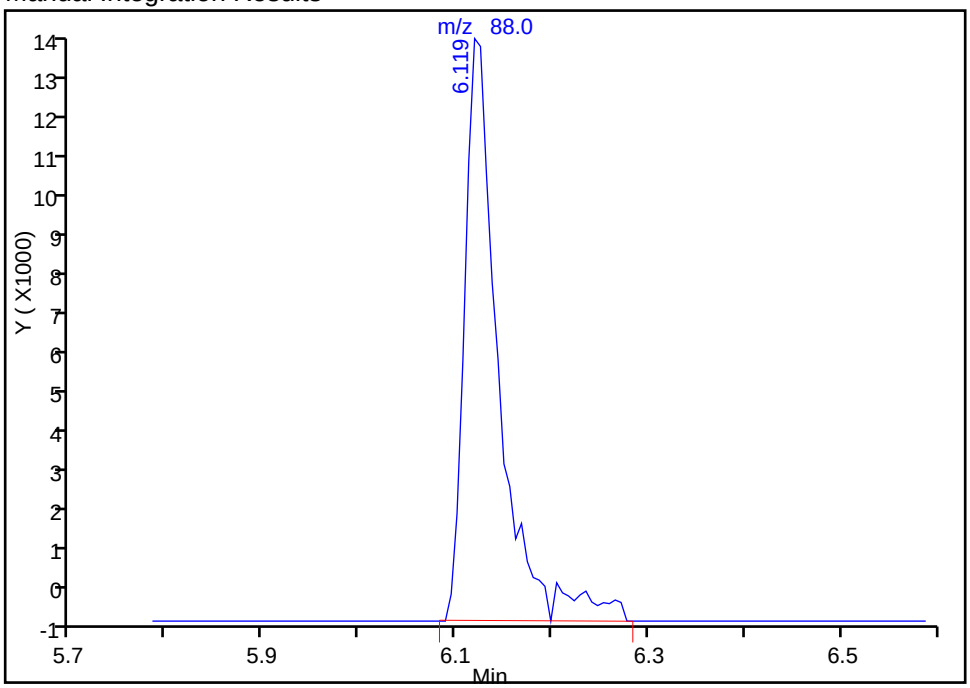
Processing Integration Results

RT: 6.12
Area: 31223
Amount: 480.8678
Amount Units: ug/L



Manual Integration Results

RT: 6.12
Area: 33462
Amount: 509.4945
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Dec-2015 15:47:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0049002-010
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:09 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:19:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	144601	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	319968	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	66	330941	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.000	45	177854	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	119444	27.2	26.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	92	758326	27.2	26.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	244603	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	86	384878	50.0	51.8	
12 Chloromethane	50	1.413	1.407	0.006	89	707401	50.0	49.5	
13 Vinyl chloride	62	1.511	1.505	0.006	81	389881	50.0	50.7	
151 Butadiene	54	1.535	1.535	0.000	86	444921	50.0	47.9	
14 Bromomethane	94	1.821	1.797	0.024	92	114735	50.0	48.8	
15 Chloroethane	64	1.919	1.919	0.000	92	155288	50.0	48.3	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	80	428557	50.0	52.3	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	62	364067	50.0	52.7	
18 Ethyl ether	59	2.424	2.424	0.000	98	410204	50.0	49.1	
20 Acrolein	56	2.582	2.582	0.000	95	412341	250.0	255.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	47	294194	50.0	51.2	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	78	326433	50.0	50.2	
23 Acetone	43	2.741	2.741	0.000	99	666854	250.0	247.8	
25 Iodomethane	142	2.826	2.820	0.006	97	355845	50.0	48.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	919270	50.0	49.2	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	84	654665	50.0	48.6	
27 Methyl acetate	43	3.045	3.045	0.000	97	1788408	250.0	257.7	
30 Methylene Chloride	84	3.173	3.179	-0.006	89	320479	50.0	48.3	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	97	396153	500.0	552.4	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	927310	50.0	49.1	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	326177	50.0	48.6	
33 Acrylonitrile	53	3.404	3.404	0.000	98	1904536	500.0	511.4	
35 Hexane	57	3.593	3.599	-0.006	94	774063	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	711976	50.0	48.8	
37 Vinyl acetate	43	3.849	3.849	0.000	97	1999132	100.0	110.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	260020	50.0	50.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	356979	50.0	48.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	1089965	250.0	255.5	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	188339	50.0	49.5	
49 Tetrahydrofuran	42	4.604	4.603	0.001	93	313782	100.0	97.7	
50 Chloroform	83	4.652	4.652	0.000	83	545719	50.0	48.6	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	405331	50.0	50.3	
52 Cyclohexane	56	4.804	4.804	0.000	92	849146	50.0	48.9	
55 Carbon tetrachloride	117	4.926	4.926	0.000	76	388432	50.0	52.0	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	87	448860	50.0	49.1	
57 Benzene	78	5.133	5.133	0.000	94	1273280	50.0	49.0	
53 Isobutyl alcohol	43	5.133	5.133	0.000	58	515258	1250.0	1422.5	M
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	557623	50.0	47.3	
59 n-Heptane	43	5.340	5.340	0.000	97	795739	50.0	50.7	
62 Trichloroethene	95	5.748	5.748	0.000	90	336443	50.0	49.1	
64 Methylcyclohexane	83	5.888	5.882	0.006	96	594963	50.0	51.2	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	399881	50.0	49.5	
67 Dibromomethane	93	6.107	6.107	0.000	88	181849	50.0	48.8	
66 1,4-Dioxane	88	6.125	6.119	0.006	67	69823	1000.0	1047.6	
68 Dichlorobromomethane	83	6.265	6.265	0.000	91	388124	50.0	54.3	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	89	272104	50.0	51.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	84	529705	50.0	52.3	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	2303686	250.0	262.3	
74 Toluene	92	6.984	6.984	0.000	96	846474	50.0	48.8	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	92	479849	50.0	53.9	
75 Ethyl methacrylate	69	7.307	7.306	0.001	87	398620	50.0	55.2	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	90	231896	50.0	48.3	
81 Tetrachloroethene	166	7.520	7.520	0.000	91	412634	50.0	49.4	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	504839	50.0	48.7	
80 2-Hexanone	43	7.666	7.666	0.000	97	1620695	250.0	272.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	88	291798	50.0	56.0	
84 Ethylene Dibromide	107	7.934	7.934	0.000	97	297386	50.0	52.4	
87 Chlorobenzene	112	8.427	8.421	0.006	94	991172	50.0	48.9	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	330105	50.0	53.5	
88 Ethylbenzene	91	8.524	8.524	0.000	98	1559193	50.0	49.6	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	667091	50.0	50.0	
91 o-Xylene	106	9.072	9.072	0.000	96	650046	50.0	50.0	
92 Styrene	104	9.096	9.096	0.000	95	1059058	50.0	50.6	
95 Bromoform	173	9.328	9.328	0.000	97	151093	50.0	62.3	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	1592966	50.0	50.1	
101 Bromobenzene	156	9.790	9.796	-0.006	90	441115	50.0	49.1	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	353013	50.0	50.1	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	61	123972	50.0	50.0	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	1823439	50.0	50.4	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	170994	50.0	53.0	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	402879	50.0	50.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	96	1366200	50.0	50.1	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	416165	50.0	48.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	341425	50.0	52.9	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	69	1395377	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	1722835	50.0	50.5	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	851308	50.0	49.3	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	1600178	50.0	50.6	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	95	857547	50.0	49.0	
115 n-Butylbenzene	91	11.118	11.117	0.001	97	1306828	50.0	51.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	818524	50.0	48.8	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	75	59301	50.0	55.9	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	605408	50.0	49.2	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	257956	50.0	47.2	
121 Naphthalene	128	12.773	12.773	0.000	97	1470204	50.0	51.4	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	566866	50.0	49.0	
S 125 1,2-Dichloroethene, Total	1				0			97.1	
S 126 1,3-Dichloropropene, Total	1				0			106.2	
S 123 Total BTEX	1				0			247.4	
S 124 Xylenes, Total	1				0			100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	25.00	Units: uL	
GAS CORP mix_00125	Amount Added:	25.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

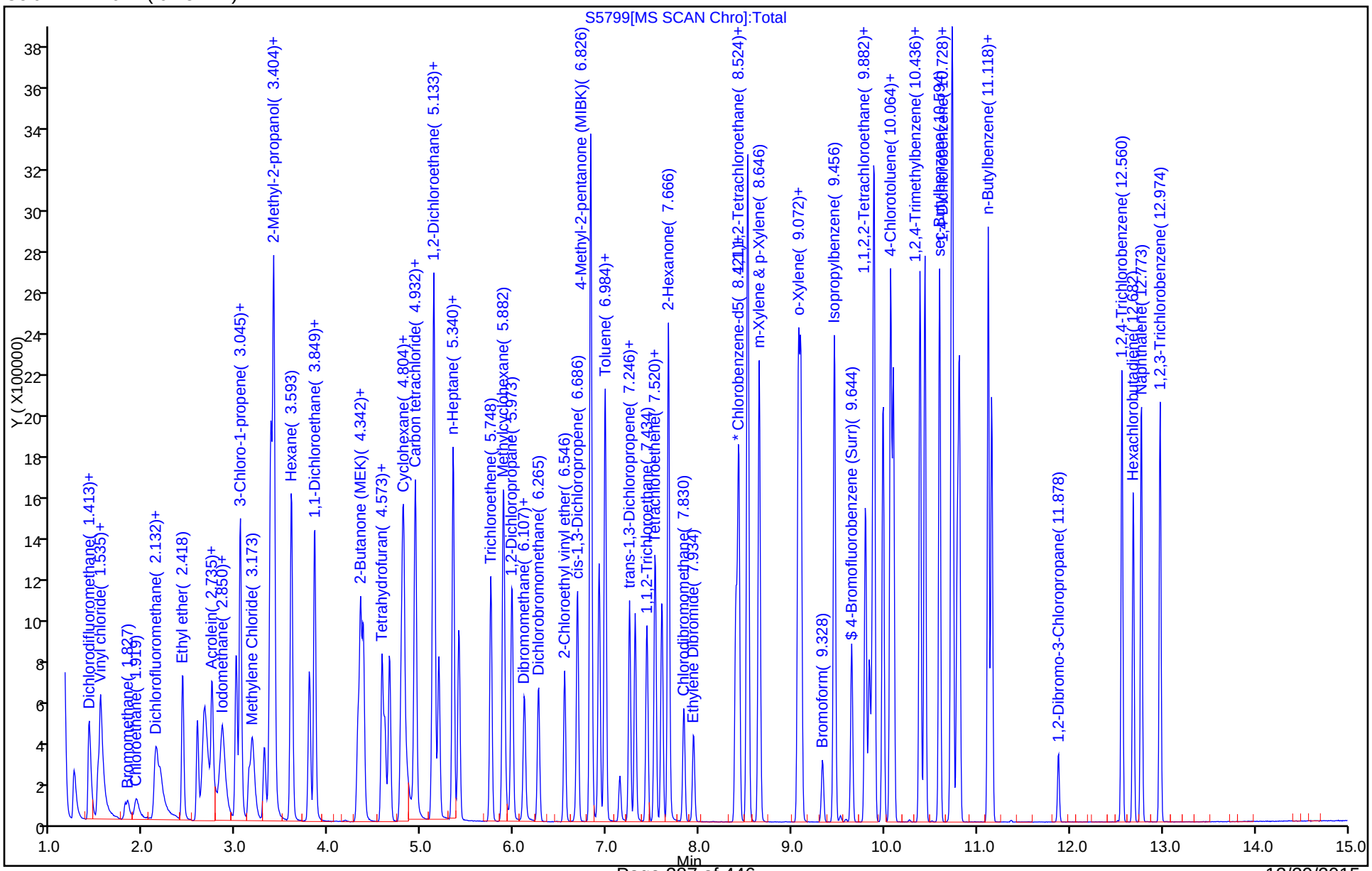
Report Date: 07-Dec-2015 22:59:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D

Injection Date:	07-Dec-2015 15:47:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

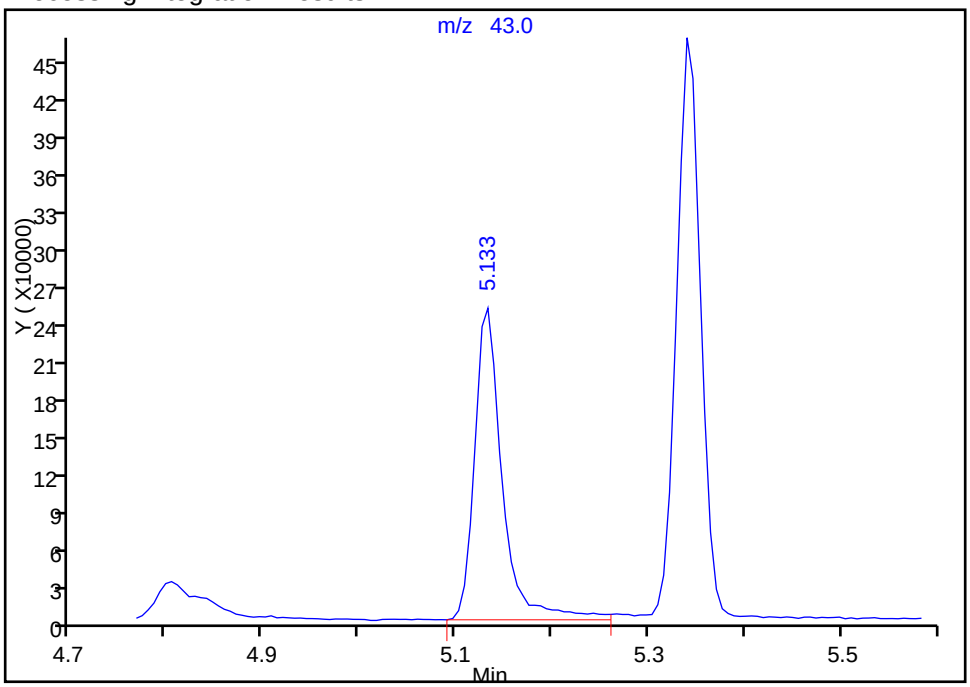
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Injection Date: 07-Dec-2015 15:47:30 Instrument ID: HP5973S
Lims ID: IC 5
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

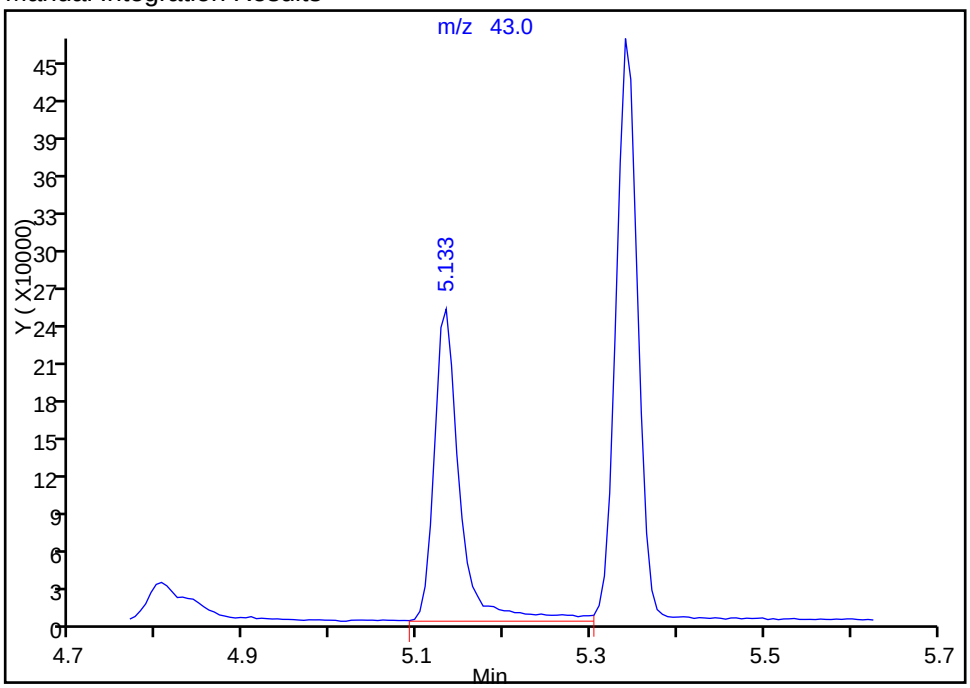
Processing Integration Results

RT: 5.13
Area: 499020
Amount: 1391.0932
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 515258
Amount: 1422.5376
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:45:29
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Dec-2015 16:09:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049002-011
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:10 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:28:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	137826	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	301847	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	37	314709	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.001	32	170114	27.2	27.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	113208	27.2	26.5	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	733388	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	238419	27.2	28.0	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	87	732166	100.0	103.3	
12 Chloromethane	50	1.407	1.407	0.000	88	1359630	100.0	99.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	767389	100.0	104.8	
151 Butadiene	54	1.535	1.535	0.000	85	919655	100.0	103.8	
14 Bromomethane	94	1.797	1.797	0.000	89	233914	100.0	104.5	
15 Chloroethane	64	1.919	1.919	0.000	92	319861	100.0	104.7	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	81	839254	100.0	107.4	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	69	711886	100.0	108.2	
18 Ethyl ether	59	2.418	2.424	-0.006	97	814181	100.0	102.3	
20 Acrolein	56	2.576	2.582	-0.006	96	824014	500.0	535.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.655	2.649	0.006	44	574499	100.0	104.9	
22 1,1-Dichloroethene	96	2.662	2.661	0.001	79	639416	100.0	103.2	
23 Acetone	43	2.735	2.741	-0.006	100	1294453	500.0	504.6	
25 Iodomethane	142	2.814	2.820	-0.006	97	790710	100.0	113.7	
26 Carbon disulfide	76	2.850	2.850	0.000	99	1850817	100.0	104.0	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	85	1251259	100.0	97.5	
27 Methyl acetate	43	3.039	3.045	-0.006	97	3501767	500.0	529.4	
30 Methylene Chloride	84	3.167	3.179	-0.012	87	635449	100.0	101.2	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	97	831957	1000.0	1217.1	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	1798787	100.0	100.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	629624	100.0	98.4	
33 Acrylonitrile	53	3.404	3.404	0.000	98	3721025	1000.0	1048.3	
35 Hexane	57	3.593	3.599	-0.006	94	1490572	100.0	103.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	1388492	100.0	99.8	
37 Vinyl acetate	43	3.843	3.849	-0.006	97	4048027	200.0	233.9	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	87	507948	100.0	102.7	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	685068	100.0	97.8	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	2186412	500.0	537.6	
48 Chlorobromomethane	128	4.573	4.573	0.000	87	358803	100.0	98.8	
49 Tetrahydrofuran	42	4.604	4.603	0.001	94	626974	200.0	204.8	
50 Chloroform	83	4.652	4.652	0.000	83	1062310	100.0	99.3	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	91	806655	100.0	105.0	
52 Cyclohexane	56	4.804	4.804	0.000	91	1745813	100.0	105.5	
55 Carbon tetrachloride	117	4.926	4.926	0.000	75	780531	100.0	109.6	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	85	864665	100.0	99.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	64	1081037	2500.0	3131.3	M
57 Benzene	78	5.133	5.133	0.000	93	2374990	100.0	95.8	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	1074152	100.0	95.6	
59 n-Heptane	43	5.340	5.340	0.000	97	1514477	100.0	101.3	
62 Trichloroethene	95	5.748	5.748	0.000	90	654158	100.0	100.1	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	1158878	100.0	104.5	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	89	783659	100.0	101.8	
67 Dibromomethane	93	6.107	6.107	0.000	87	350847	100.0	98.8	
66 1,4-Dioxane	88	6.119	6.119	0.000	52	134550	2000.0	2139.9	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	91	779182	100.0	114.4	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	88	541526	100.0	106.9	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	85	1040474	100.0	107.9	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	97	4467025	500.0	539.2	
74 Toluene	92	6.984	6.984	0.000	98	1629513	100.0	99.5	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	953423	100.0	113.5	
75 Ethyl methacrylate	69	7.307	7.306	0.001	88	802412	100.0	117.9	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	446618	100.0	98.6	
81 Tetrachloroethene	166	7.526	7.520	0.006	92	787428	100.0	99.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	976493	100.0	99.9	
80 2-Hexanone	43	7.666	7.666	0.000	80	3168492	500.0	563.9	
83 Chlorodibromomethane	129	7.830	7.830	0.000	89	626312	100.0	127.4	
84 Ethylene Dibromide	107	7.940	7.934	0.006	99	581097	100.0	108.5	
87 Chlorobenzene	112	8.427	8.421	0.006	94	1886737	100.0	98.8	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	658067	100.0	113.0	
88 Ethylbenzene	91	8.524	8.524	0.000	97	2945674	100.0	99.3	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	1276629	100.0	101.5	
91 o-Xylene	106	9.072	9.072	0.000	96	1249533	100.0	101.9	
92 Styrene	104	9.096	9.096	0.000	95	2015443	100.0	102.1	
95 Bromoform	173	9.328	9.328	0.000	98	345799	100.0	151.1	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	3037383	100.0	100.4	
101 Bromobenzene	156	9.797	9.796	0.001	88	851016	100.0	99.7	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	696118	100.0	104.0	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	63	242757	100.0	102.9	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	3410446	100.0	99.1	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	361615	100.0	117.8	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	770020	100.0	101.9	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	2586418	100.0	99.7	
105 4-Chlorotoluene	126	10.095	10.095	0.000	97	811729	100.0	99.3	
106 tert-Butylbenzene	134	10.381	10.381	0.000	93	652188	100.0	106.3	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	2624879	100.0	99.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	3215691	100.0	99.1	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	1611103	100.0	98.1	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	2985715	100.0	99.3	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	1636702	100.0	98.3	
115 n-Butylbenzene	91	11.118	11.117	0.001	96	2426545	100.0	100.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	1567356	100.0	98.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.007	82	129795	100.0	128.7	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	1174572	100.0	100.4	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	95	505418	100.0	97.2	
121 Naphthalene	128	12.773	12.773	0.000	97	2943541	100.0	108.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	1111686	100.0	101.1	
S 125 1,2-Dichloroethene, Total	1				0			196.1	
S 126 1,3-Dichloropropene, Total	1				0			221.4	
S 123 Total BTEX	1				0			498.1	
S 124 Xylenes, Total	1				0			203.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	50.00	Units: uL	
GAS CORP mix_00125	Amount Added:	50.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

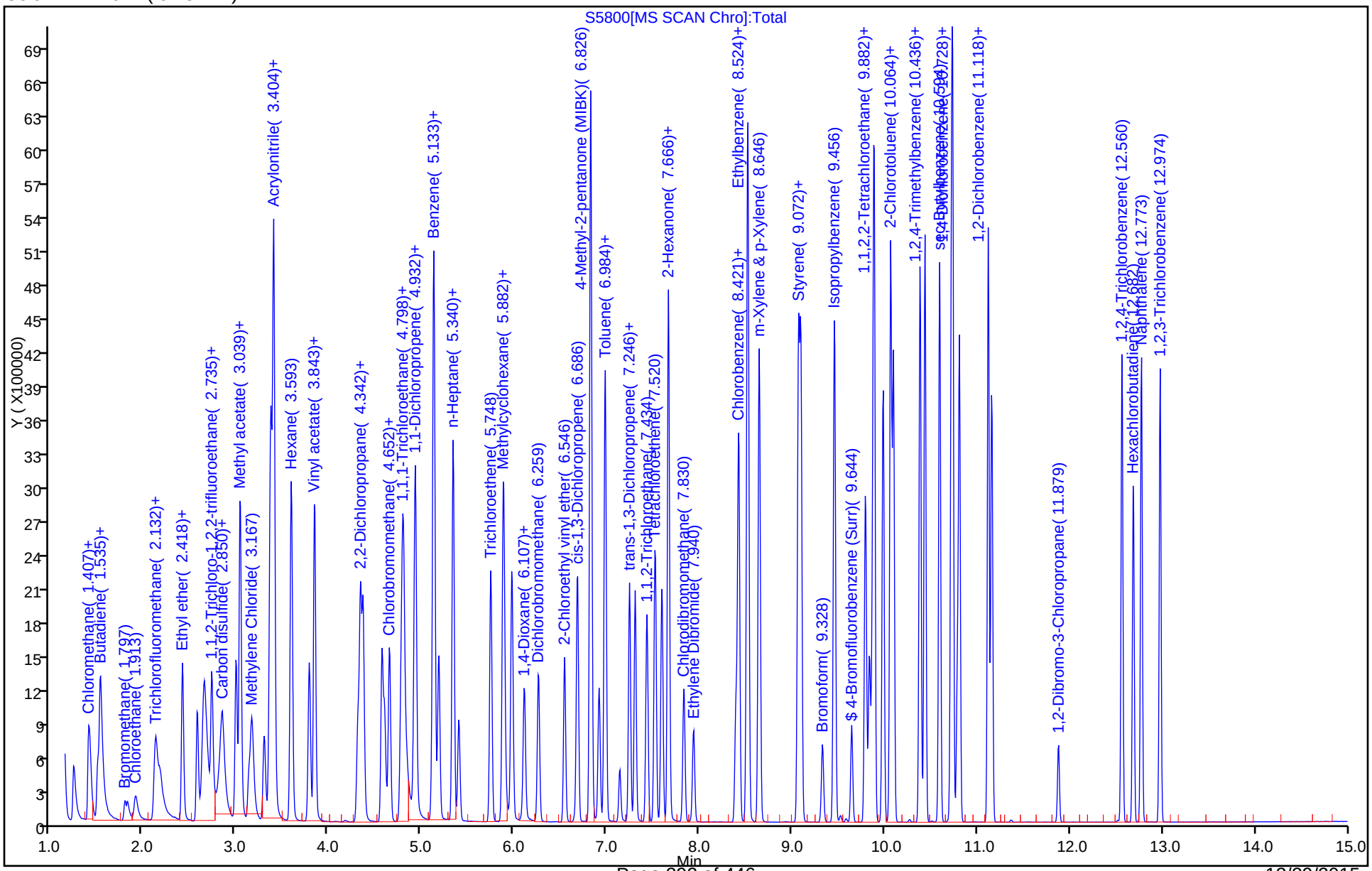
Report Date: 07-Dec-2015 22:59:11 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D

Injection Date:	07-Dec-2015 16:09:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

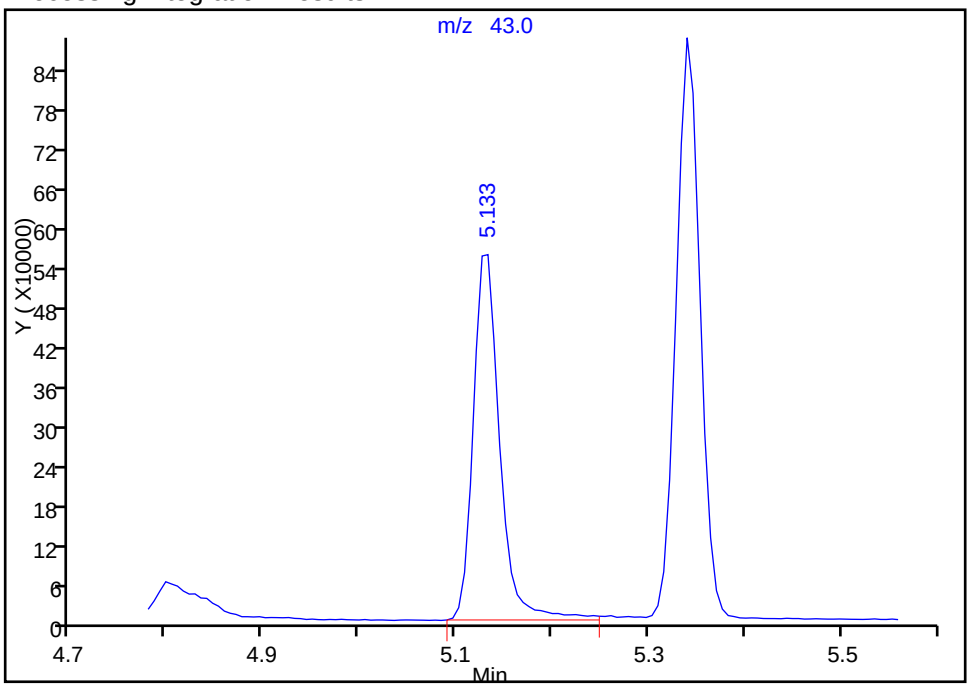
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Injection Date: 07-Dec-2015 16:09:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

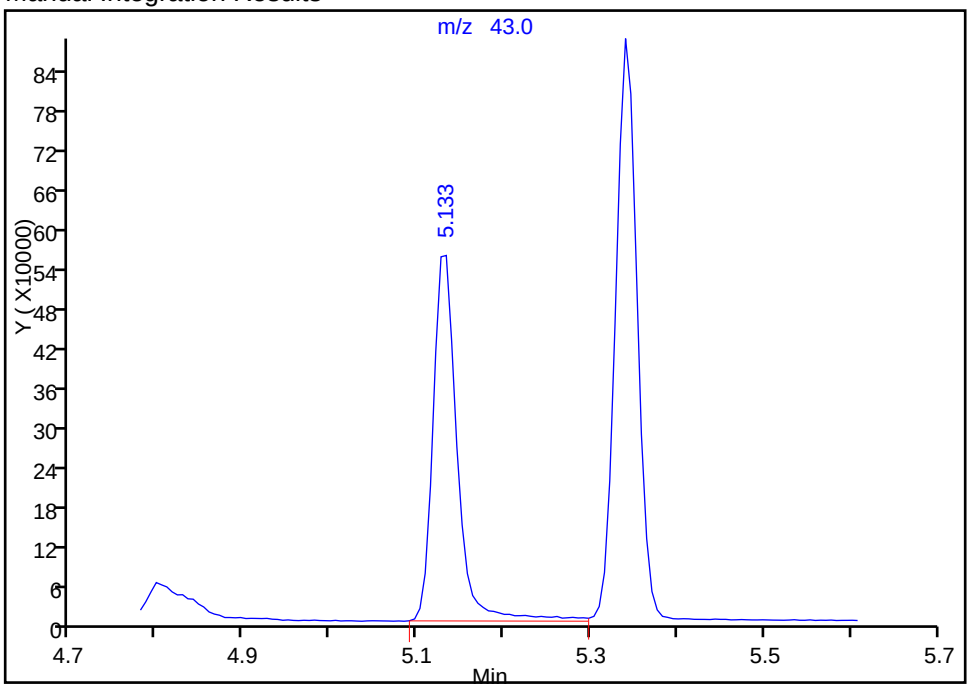
Processing Integration Results

RT: 5.13
Area: 1062160
Amount: 3087.8422
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 1081037
Amount: 3131.2643
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:46:28
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Dec-2015 16:55:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MDLV
Misc. Info.: 480-0049002-013
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:14 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:27:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	135202	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.396	-0.006	89	312613	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	95	322469	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.810	-0.006	80	167995	27.2	27.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118176	27.2	28.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	95	737390	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	88	237257	27.2	26.9	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	25	6613	1.00	0.9511	
12 Chloromethane	50	1.401	1.407	-0.006	82	13098	1.00	0.9804	
13 Vinyl chloride	62	1.505	1.505	0.000	19	7198	1.00	1.00	M
151 Butadiene	54	1.529	1.535	-0.006	78	10411	1.00	1.20	
14 Bromomethane	94	1.821	1.797	0.024	1	2469	1.00	1.12	M
15 Chloroethane	64	1.919	1.919	0.000	36	5032	1.00	1.39	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	20	6231	1.00	0.8130	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	24	5884	1.00	0.9116	
18 Ethyl ether	59	2.418	2.424	-0.006	76	8660	1.00	1.11	
20 Acrolein	56	2.582	2.582	0.000	64	7614	5.00	5.05	
21 1,1,2-Trichloro-1,2,2-trif	101	2.662	2.649	0.013	1	5113	1.00	0.9514	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	50	5862	1.00	0.9641	
23 Acetone	43	2.741	2.741	0.000	87	13871	5.00	5.51	
25 Iodomethane	142	2.808	2.820	-0.012	46	7480	1.00	1.10	M
26 Carbon disulfide	76	2.844	2.850	-0.006	63	19097	1.00	1.09	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	78	15011	1.00	1.19	
27 Methyl acetate	43	3.051	3.045	0.006	97	33957	5.00	5.23	
30 Methylene Chloride	84	3.167	3.179	-0.012	68	9996	1.00	0.9543	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	78	6369	10.0	9.50	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	83	18482	1.00	1.05	
34 trans-1,2-Dichloroethene	96	3.374	3.380	-0.006	69	6733	1.00	1.07	
33 Acrylonitrile	53	3.410	3.404	0.006	96	36255	10.0	10.4	
35 Hexane	57	3.593	3.599	-0.006	84	15020	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	47	15197	1.00	1.11	
37 Vinyl acetate	43	3.849	3.849	0.000	94	30225	2.00	1.78	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	50	4345	1.00	0.8953	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	33	7253	1.00	1.06	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	88	19526	5.00	4.89	
48 Chlorobromomethane	128	4.573	4.573	0.000	64	3560	1.00	1.00	
49 Tetrahydrofuran	42	4.616	4.603	0.013	85	6956	2.00	2.32	
50 Chloroform	83	4.658	4.652	0.006	55	11272	1.00	1.07	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	12	7522	1.00	1.00	
52 Cyclohexane	56	4.804	4.804	0.000	14	17900	1.00	1.10	
55 Carbon tetrachloride	117	4.926	4.926	0.000	57	7184	1.00	1.03	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	69	8990	1.00	1.05	
53 Isobutyl alcohol	43	5.133	5.133	0.000	16	8143	25.0	24.0	
57 Benzene	78	5.133	5.133	0.000	66	25278	1.00	1.04	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	40	11969	1.00	1.09	
59 n-Heptane	43	5.346	5.340	0.006	85	15574	1.00	1.06	
62 Trichloroethene	95	5.748	5.748	0.000	67	7199	1.00	1.12	
64 Methylcyclohexane	83	5.882	5.882	0.000	74	11222	1.00	1.03	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	55	7838	1.00	1.04	
67 Dibromomethane	93	6.107	6.107	0.000	67	3681	1.00	1.06	
66 1,4-Dioxane	88	6.125	6.119	0.006	0	1390	20.0	21.3	M
68 Dichlorobromomethane	83	6.259	6.265	-0.006	45	6152	1.00	0.9205	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	27	4816	1.00	0.9692	
72 cis-1,3-Dichloropropene	75	6.679	6.686	-0.007	51	9288	1.00	0.9815	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	91	39518	5.00	4.61	
74 Toluene	92	6.984	6.984	0.000	69	17324	1.00	1.02	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	50	7772	1.00	0.8933	
75 Ethyl methacrylate	69	7.307	7.306	0.001	45	5988	1.00	0.8493	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	44	5225	1.00	1.11	
81 Tetrachloroethene	166	7.520	7.520	0.000	63	8336	1.00	1.02	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	69	10430	1.00	1.03	
80 2-Hexanone	43	7.672	7.666	0.006	91	23708	5.00	4.07	
83 Chlorodibromomethane	129	7.830	7.830	0.000	21	4289	1.00	0.8421	
84 Ethylene Dibromide	107	7.934	7.934	0.000	33	4267	1.00	0.7692	
87 Chlorobenzene	112	8.427	8.421	0.006	38	20023	1.00	1.01	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	18	4798	1.00	0.7953	
88 Ethylbenzene	91	8.524	8.524	0.000	81	30032	1.00	0.9778	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	13220	1.00	1.01	
91 o-Xylene	106	9.066	9.072	-0.006	85	12418	1.00	0.9775	
92 Styrene	104	9.096	9.096	0.000	61	19725	1.00	0.9645	
95 Bromoform	173	9.334	9.328	0.006	11	2202	1.00	0.9288	
94 Isopropylbenzene	105	9.456	9.455	0.001	74	31400	1.00	1.01	
101 Bromobenzene	156	9.790	9.796	-0.006	50	9180	1.00	1.05	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	22	7132	1.00	1.04	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	51	2239	1.00	0.9266	
99 N-Propylbenzene	91	9.888	9.882	0.006	84	35048	1.00	0.99	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	4	2669	1.00	0.8488	
103 2-Chlorotoluene	126	9.985	9.985	0.000	87	8049	1.00	1.04	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	83	26580	1.00	1.00	
105 4-Chlorotoluene	126	10.095	10.095	0.000	79	8559	1.00	1.02	
106 tert-Butylbenzene	134	10.381	10.381	0.000	70	5521	1.00	0.8783	
107 1,2,4-Trimethylbenzene	105	10.430	10.436	-0.006	48	26822	1.00	0.9877	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	73	33715	1.00	1.01	
111 1,3-Dichlorobenzene	146	10.716	10.722	-0.006	77	18143	1.00	1.08	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	85	30093	1.00	0.9770	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	13	18718	1.00	1.10	
115 n-Butylbenzene	91	11.118	11.117	0.001	74	23770	1.00	0.9608	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	77	16891	1.00	1.03	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.006	1	889	1.00	0.8602	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	65	12342	1.00	1.03	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	55	6836	1.00	1.28	
121 Naphthalene	128	12.773	12.773	0.000	82	26740	1.00	0.9589	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	68	11395	1.00	1.01	
S 125 1,2-Dichloroethene, Total	1				0			2.13	
S 126 1,3-Dichloropropene, Total	1				0			1.87	
S 123 Total BTEX	1				0			5.03	
S 124 Xylenes, Total	1				0			1.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
GAS CORP mix_00125	Amount Added:	1.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

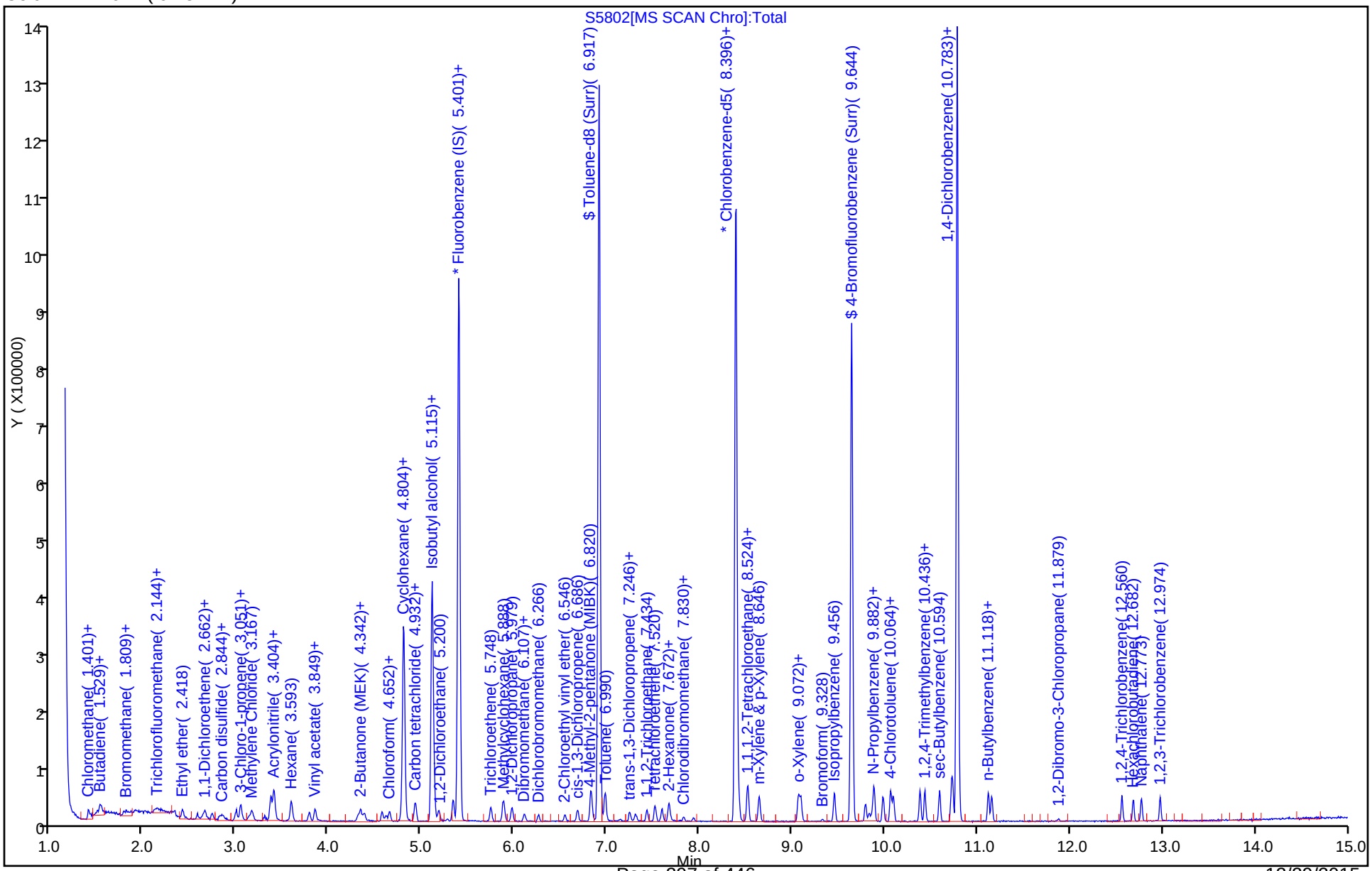
Report Date: 07-Dec-2015 22:59:15 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D

Injection Date:	07-Dec-2015 16:55:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

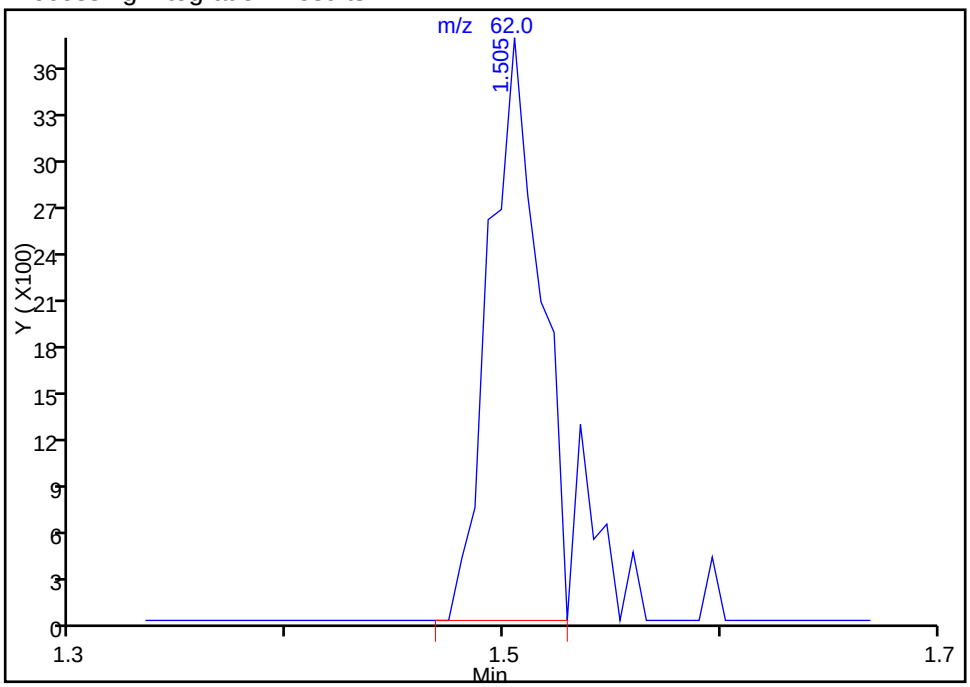
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

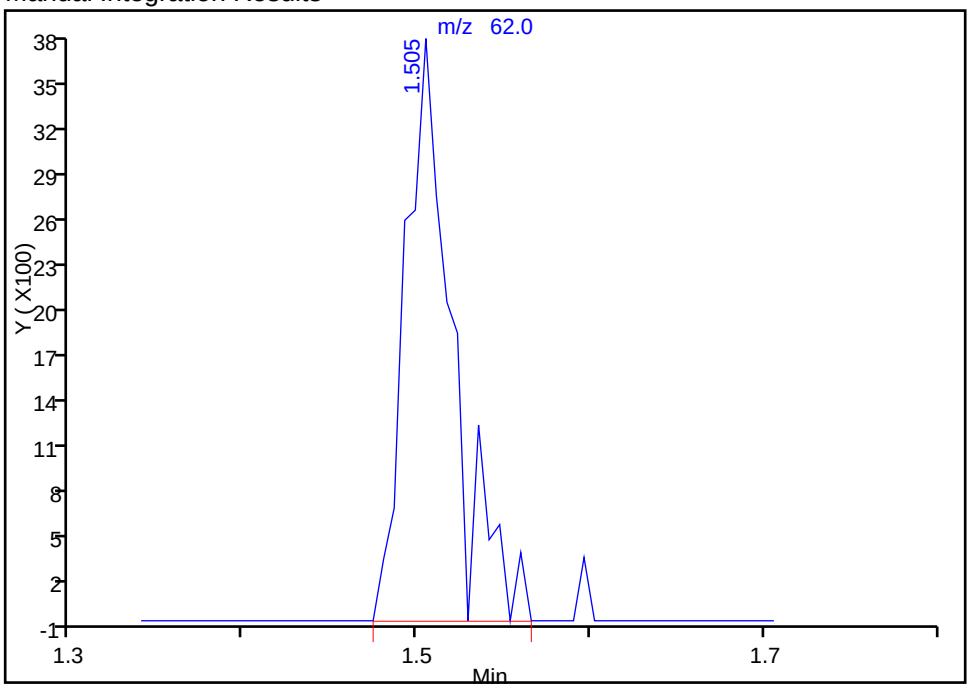
Processing Integration Results

RT: 1.50
Area: 6139
Amount: 0.892261
Amount Units: ug/L



Manual Integration Results

RT: 1.50
Area: 7198
Amount: 1.001913
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

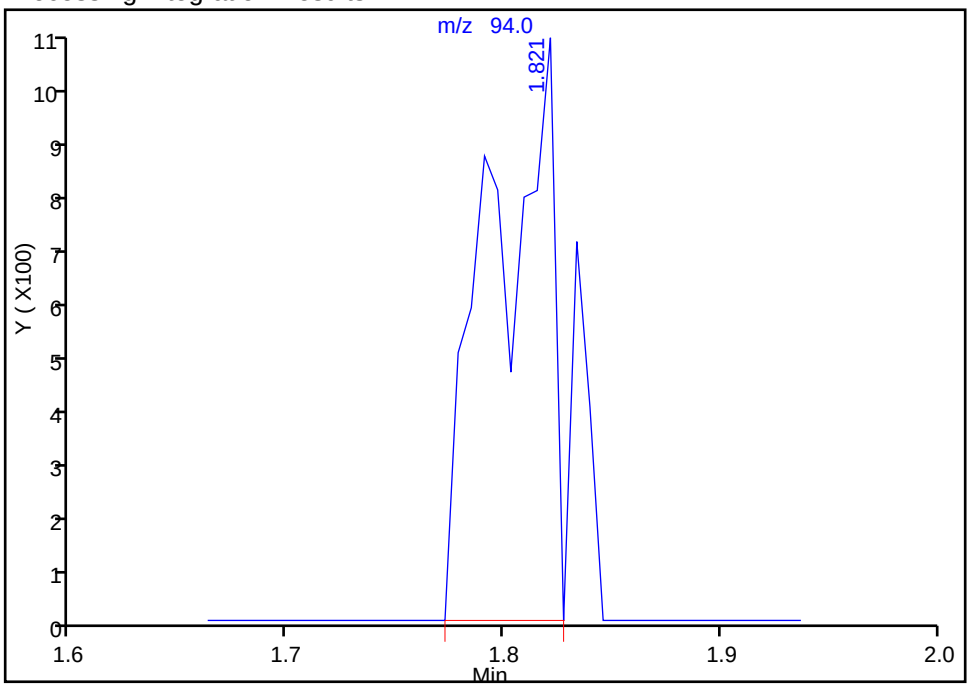
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

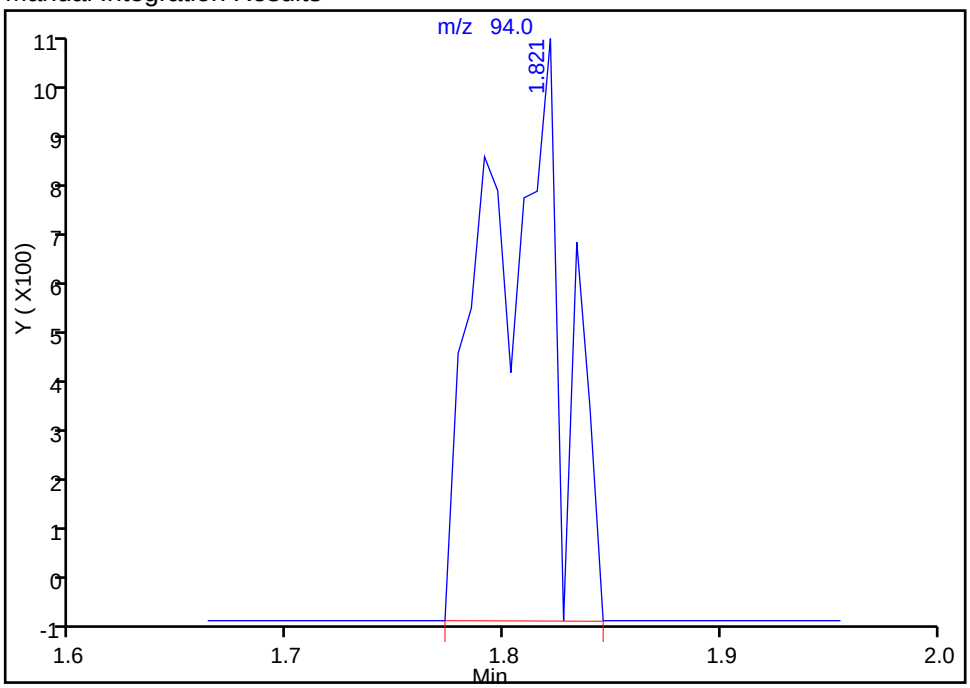
Processing Integration Results

RT: 1.82
Area: 2077
Amount: 0.934132
Amount Units: ug/L



Manual Integration Results

RT: 1.82
Area: 2469
Amount: 1.123982
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

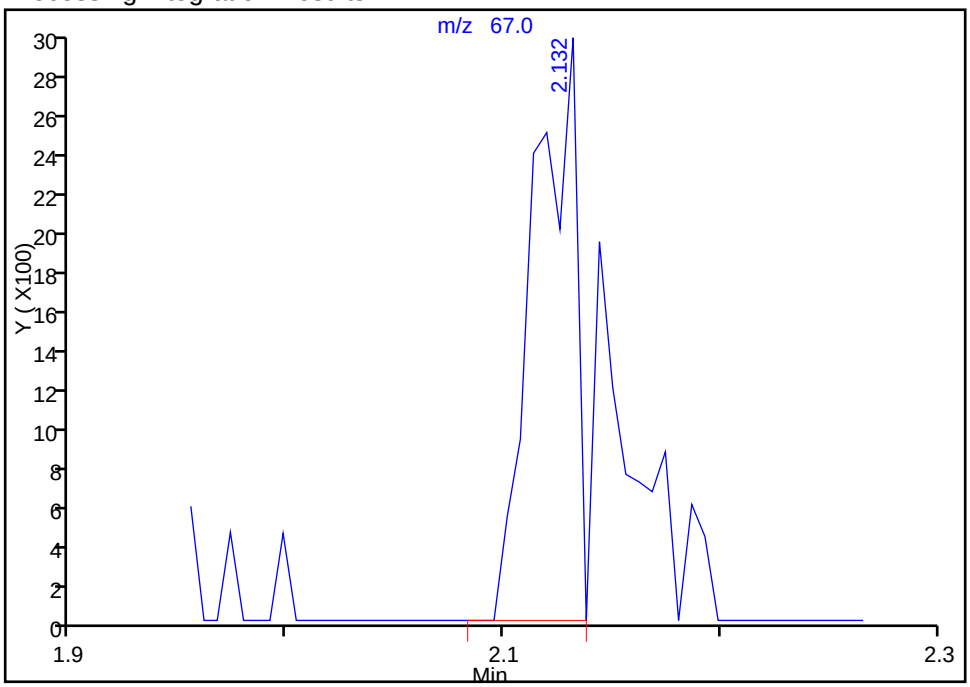
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

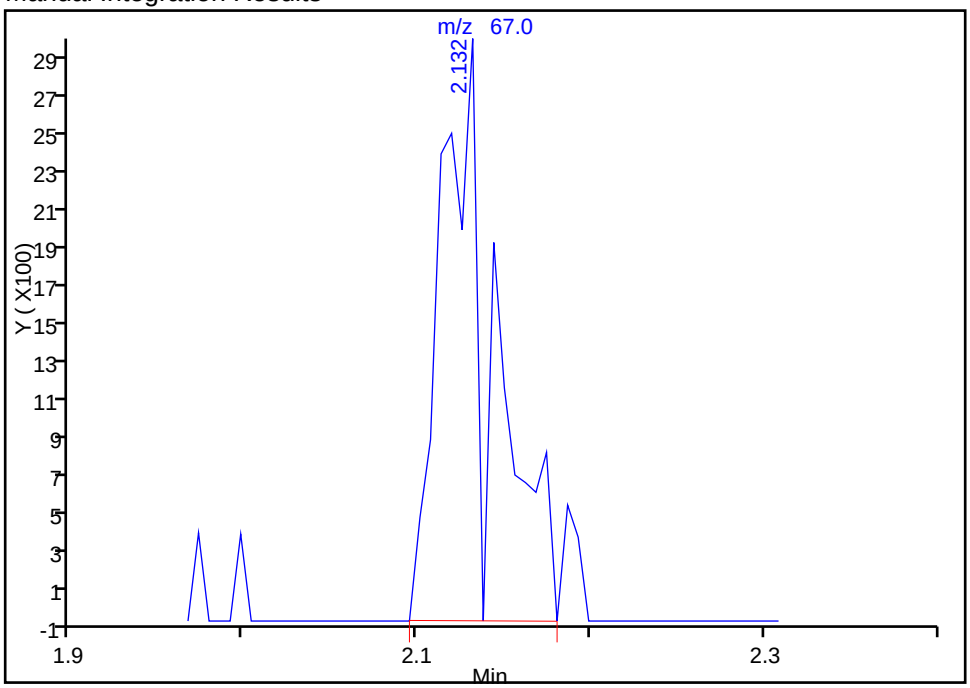
Processing Integration Results

RT: 2.13
Area: 4051
Amount: 0.550929
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 6231
Amount: 0.812972
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

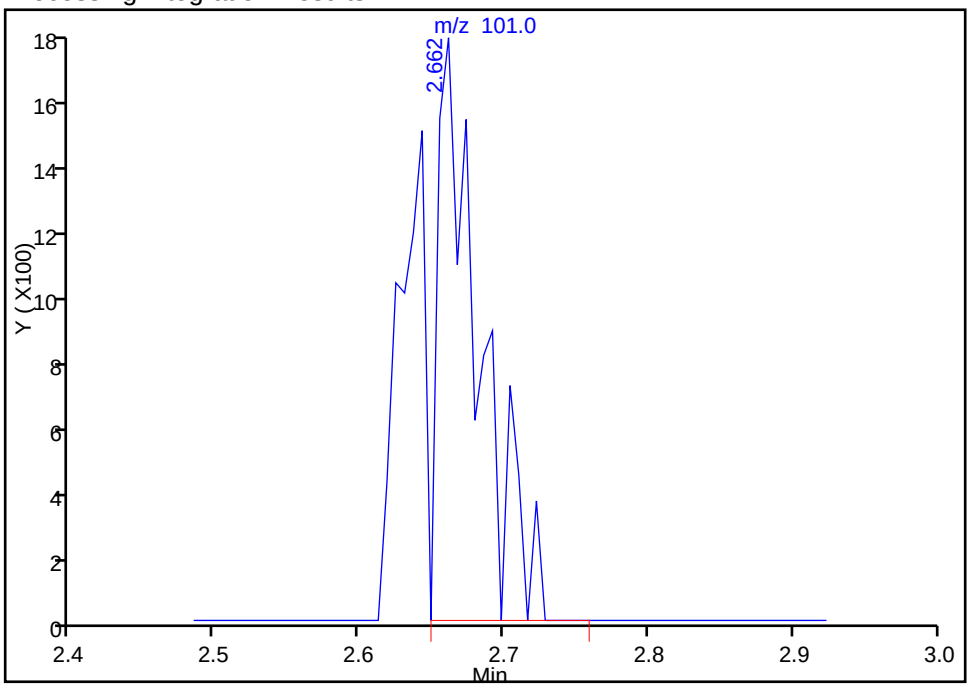
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

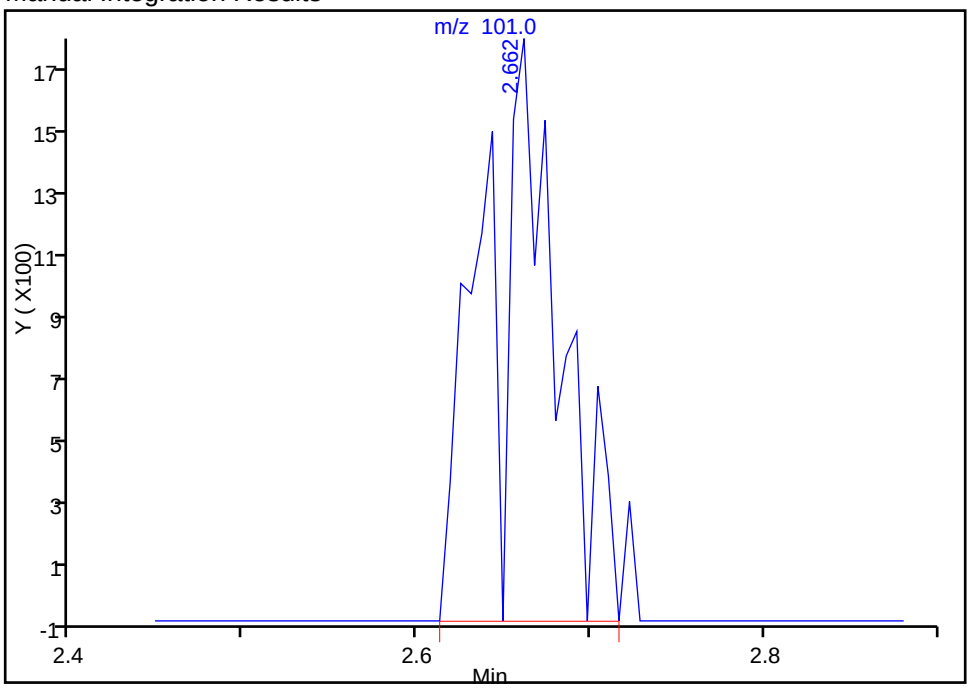
Processing Integration Results

RT: 2.66
Area: 3430
Amount: 0.697132
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 5113
Amount: 0.951410
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

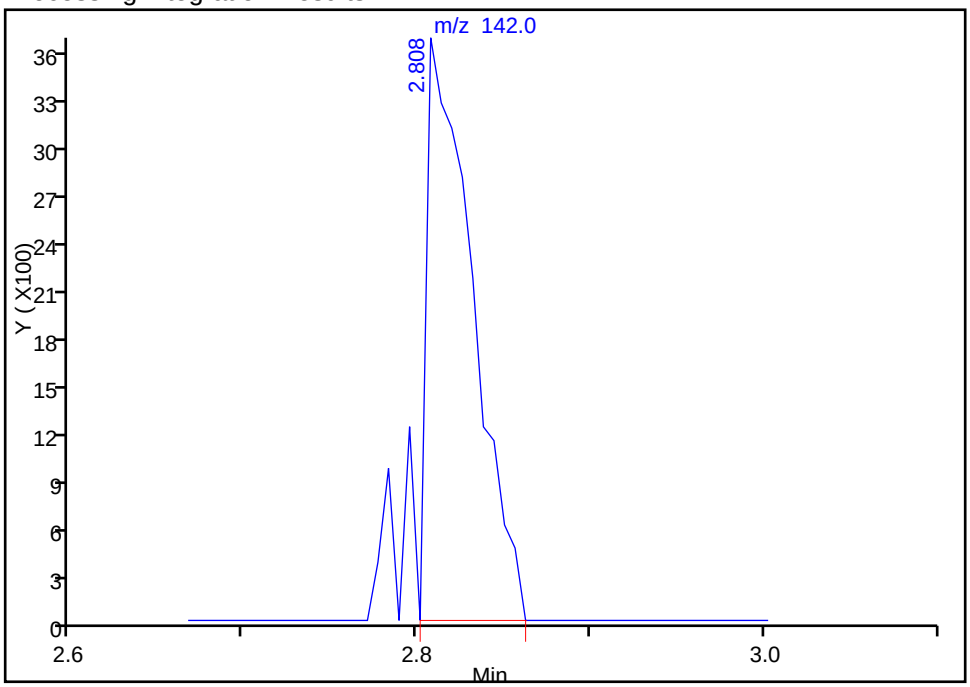
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

25 Iodomethane, CAS: 74-88-4

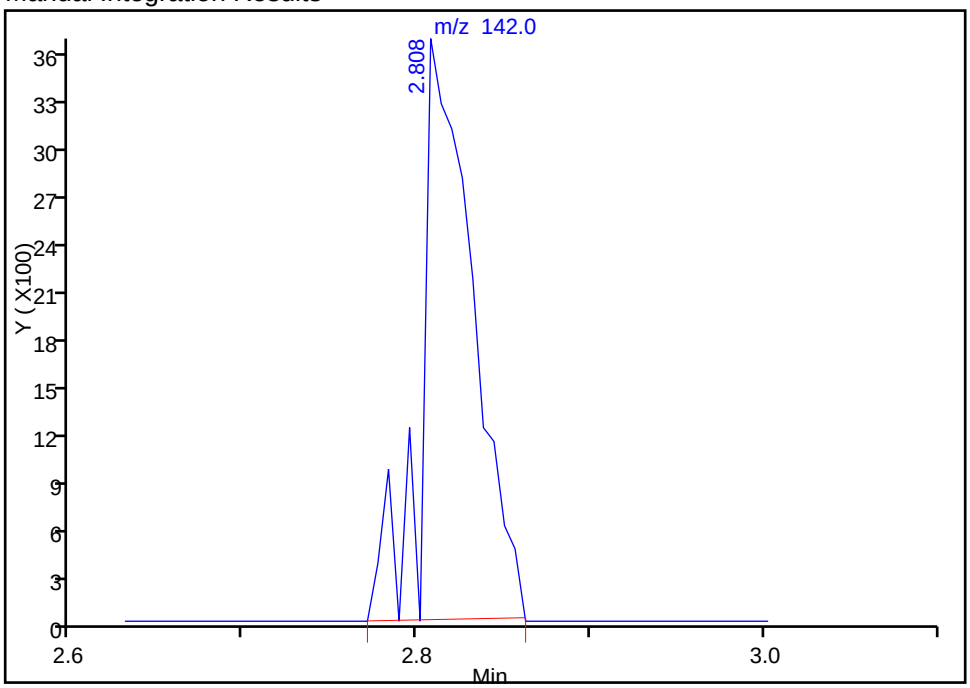
Processing Integration Results

RT: 2.81
Area: 6630
Amount: 1.042307
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 7480
Amount: 1.096899
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

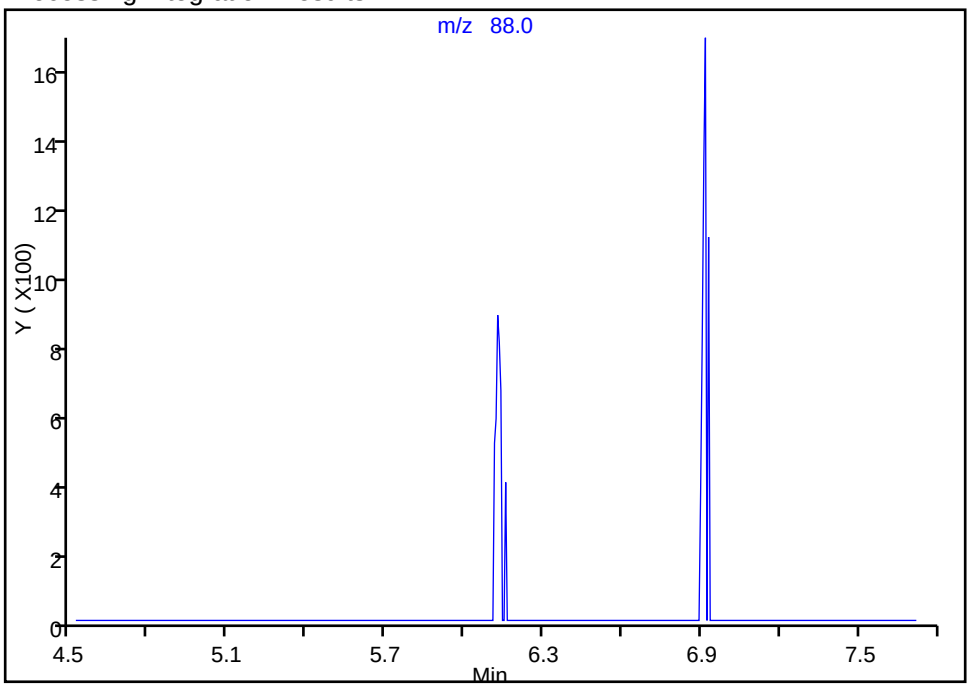
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

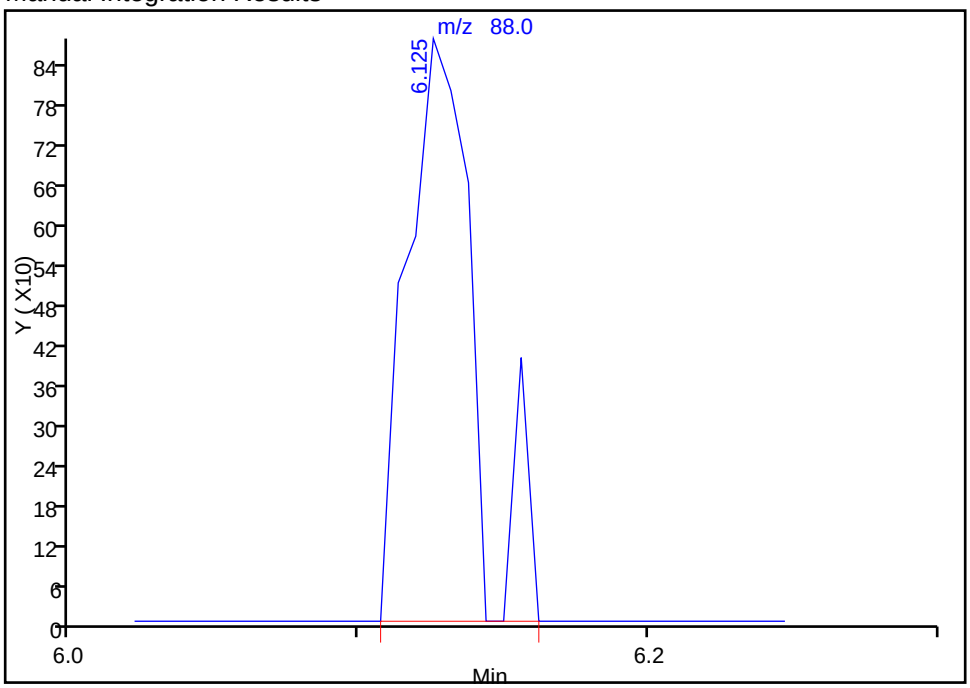
Not Detected
Expected RT: 6.12

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 1390
Amount: 21.345735
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-281182/2 Calibration Date: 12/22/2015 23:00

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60018.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.590	1.682	0.1000	16.2	25.0	-35.1	50.0
Chloromethane	Ave	2.715	2.201	0.1000	20.3	25.0	-18.9	20.0
Vinyl chloride	Ave	2.355	2.087	0.1000	22.2	25.0	-11.4	20.0
Butadiene	Ave	2.449	2.066		21.1	25.0	-15.6	20.0
Bromomethane	Ave	1.620	1.536	0.1000	23.7	25.0	-5.2	50.0
Chloroethane	Ave	1.503	1.447	0.1000	24.1	25.0	-3.7	50.0
Dichlorofluoromethane	Ave	3.990	3.664		23.0	25.0	-8.2	20.0
Trichlorofluoromethane	Ave	3.745	3.323	0.1000	22.2	25.0	-11.3	20.0
Ethyl ether	Ave	1.926	1.578		20.5	25.0	-18.0	20.0
Acrolein	Ave	0.3260	0.2716		104	125	-16.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.065	1.691	0.1000	20.5	25.0	-18.1	20.0
1,1-Dichloroethene	Ave	1.877	1.460	0.1000	19.5	25.0	-22.2*	20.0
Acetone	Ave	0.5773	0.6863	0.1000	149	125	18.9	50.0
Iodomethane	Ave	3.626	2.840		19.6	25.0	-21.7*	20.0
Carbon disulfide	Ave	7.423	5.282	0.1000	17.8	25.0	-28.8*	20.0
Methyl acetate	Ave	1.453	1.297	0.1000	112	125	-10.7	50.0
Allyl chloride	Ave	3.437	2.561		18.6	25.0	-25.5*	20.0
Methylene Chloride	Lin1		1.844	0.1000	22.2	25.0	-11.2	20.0
2-Methyl-2-propanol	Ave	0.1907	0.2412		316	250	26.5	50.0
Methyl tert-butyl ether	Ave	5.999	5.116	0.1000	21.3	25.0	-14.7	20.0
Acrylonitrile	Ave	0.7227	0.7011		243	250	-3.0	20.0
trans-1,2-Dichloroethene	Ave	2.002	1.695	0.1000	21.2	25.0	-15.3	20.0
Hexane	Ave	3.110	2.308		18.6	25.0	-25.8*	20.0
Vinyl acetate	Ave	4.225	3.775		44.7	50.0	-10.7	20.0
1,1-Dichloroethane	Ave	3.852	3.417	0.2000	22.2	25.0	-11.3	20.0
2-Butanone (MEK)	Ave	0.8762	0.8907	0.1000	127	125	1.6	20.0
2,2-Dichloropropane	Ave	3.144	2.759		21.9	25.0	-12.3	20.0
cis-1,2-Dichloroethene	Ave	2.206	1.953	0.1000	22.1	25.0	-11.5	20.0
Chlorobromomethane	Ave	1.075	0.9902		23.0	25.0	-7.9	20.0
Chloroform	Ave	3.945	3.416	0.2000	21.6	25.0	-13.4	20.0
Tetrahydrofuran	Ave	0.6254	0.5525		44.2	50.0	-11.7	20.0
1,1,1-Trichloroethane	Ave	3.373	2.866	0.1000	21.2	25.0	-15.0	20.0
Cyclohexane	Ave	3.889	3.299	0.1000	21.2	25.0	-15.2	20.0
Isobutyl alcohol	Ave	0.0915	0.1002		684	625	9.4	50.0
1,1-Dichloropropene	Ave	2.799	2.433		21.7	25.0	-13.1	20.0
Carbon tetrachloride	Ave	2.983	2.736	0.1000	22.9	25.0	-8.3	20.0
Benzene	Ave	7.827	7.014	0.5000	22.4	25.0	-10.4	20.0
n-Heptane	Ave	3.085	2.343		19.0	25.0	-24.0*	20.0
1,2-Dichloroethane	Ave	3.337	2.823	0.1000	21.2	25.0	-15.4	20.0
Trichloroethene	Ave	2.151	1.916	0.2000	22.3	25.0	-10.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-281182/2 Calibration Date: 12/22/2015 23:00

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60018.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	3.182	2.714	0.1000	21.3	25.0	-14.7	20.0
1,2-Dichloropropane	Ave	2.061	1.907	0.1000	23.1	25.0	-7.4	20.0
1,4-Dioxane	Lin1		0.0080		817	500	63.5*	50.0
Dibromomethane	Ave	1.335	1.221	0.1000	22.9	25.0	-8.6	20.0
Bromodichloromethane	Ave	2.896	2.632	0.2000	22.7	25.0	-9.1	20.0
2-Chloroethyl vinyl ether	Ave	1.306	1.166		22.3	25.0	-10.7	20.0
cis-1,3-Dichloropropene	Ave	3.261	2.957	0.2000	22.7	25.0	-9.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9562	0.8513	0.1000	111	125	-11.0	20.0
Toluene	Ave	2.312	2.041	0.4000	22.1	25.0	-11.7	20.0
Ethyl methacrylate	Ave	1.117	0.9830		22.0	25.0	-12.0	20.0
trans-1,3-Dichloropropene	Ave	1.430	1.275	0.1000	22.3	25.0	-10.9	20.0
1,1,2-Trichloroethane	Ave	0.7108	0.6553	0.1000	23.0	25.0	-7.8	20.0
2-Hexanone	Ave	0.6613	0.6322	0.1000	119	125	-4.4	20.0
Tetrachloroethene	Ave	1.088	1.026	0.2000	23.6	25.0	-5.7	20.0
1,3-Dichloropropane	Ave	1.444	1.327		23.0	25.0	-8.1	20.0
Dibromochloromethane	Ave	1.039	0.9247	0.1000	22.3	25.0	-11.0	20.0
1,2-Dibromoethane	Ave	0.9169	0.8227		22.4	25.0	-10.3	20.0
Chlorobenzene	Ave	2.715	2.489	0.5000	22.9	25.0	-8.3	20.0
Ethylbenzene	Ave	4.609	3.990	0.1000	21.6	25.0	-13.4	20.0
1,1,1,2-Tetrachloroethane	Ave	1.039	0.9669		23.3	25.0	-6.9	20.0
m,p-Xylene	Ave	1.784	1.638	0.1000	23.0	25.0	-8.2	20.0
o-Xylene	Ave	1.787	1.616	0.3000	22.6	25.0	-9.6	20.0
Styrene	Ave	2.916	2.613	0.3000	22.4	25.0	-10.4	20.0
Isopropylbenzene	Ave	4.863	4.146	0.1000	21.3	25.0	-14.7	20.0
Bromoform	Ave	0.6124	0.5624	0.1000	23.0	25.0	-8.2	50.0
1,1,2,2-Tetrachloroethane	Ave	1.125	1.026	0.3000	22.8	25.0	-8.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4136	0.3139		19.0	25.0	-24.1	50.0
N-Propylbenzene	Ave	5.599	4.822		21.5	25.0	-13.9	20.0
1,2,3-Trichloropropane	Ave	0.3674	0.3503		23.8	25.0	-4.6	20.0
Bromobenzene	Ave	1.250	1.143		22.9	25.0	-8.6	20.0
1,3,5-Trimethylbenzene	Ave	4.151	3.639		21.9	25.0	-12.3	20.0
2-Chlorotoluene	Ave	1.082	0.9761		22.6	25.0	-9.8	20.0
4-Chlorotoluene	Ave	1.150	1.029		22.4	25.0	-10.5	20.0
tert-Butylbenzene	Ave	0.9022	0.7696		21.3	25.0	-14.7	20.0
1,2,4-Trimethylbenzene	Ave	4.273	3.740		21.9	25.0	-12.5	20.0
sec-Butylbenzene	Ave	5.131	4.456		21.7	25.0	-13.2	20.0
4-Isopropyltoluene	Ave	4.357	3.788		21.7	25.0	-13.1	20.0
1,3-Dichlorobenzene	Ave	2.406	2.183	0.6000	22.7	25.0	-9.3	20.0
1,4-Dichlorobenzene	Ave	2.479	2.251	0.5000	22.7	25.0	-9.2	20.0
n-Butylbenzene	Ave	3.837	3.362		21.9	25.0	-12.4	20.0
1,2-Dichlorobenzene	Ave	2.347	2.112	0.4000	22.5	25.0	-10.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-281182/2 Calibration Date: 12/22/2015 23:00

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60018.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2419	0.1904	0.0500	19.7	25.0	-21.3	50.0
1,2,4-Trichlorobenzene	Ave	1.577	1.496	0.2000	23.7	25.0	-5.2	20.0
Hexachlorobutadiene	Ave	0.6274	0.6028		24.0	25.0	-3.9	20.0
Naphthalene	Ave	3.437	3.127		22.7	25.0	-9.0	20.0
1,2,3-Trichlorobenzene	Ave	1.513	1.428		23.6	25.0	-5.6	20.0
Dibromofluoromethane (Surr)	Ave	1.323	1.357		25.6	25.0	2.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7962	0.7923		24.9	25.0	-0.5	20.0
Toluene-d8 (Surr)	Ave	2.102	2.077		24.7	25.0	-1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7258	0.7487		25.8	25.0	3.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60018.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Dec-2015 23:00:30 ALS Bottle#: 28 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0049508-002
Operator ID: SO Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 23:20:38 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: o'briens Date: 22-Dec-2015 23:20:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	123480	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	88	270463	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	96	271447	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	167578	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	97828	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	561884	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	202491	25.0	25.8	
10 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	207708	25.0	16.2	
12 Chloromethane	50	4.851	4.851	0.000	99	271767	25.0	20.3	
13 Vinyl chloride	62	5.088	5.088	0.000	99	257717	25.0	22.2	
151 Butadiene	54	5.136	5.136	0.000	87	255160	25.0	21.1	
14 Bromomethane	94	5.693	5.693	0.000	92	189680	25.0	23.7	
15 Chloroethane	64	5.835	5.835	0.000	99	178685	25.0	24.1	
16 Dichlorofluoromethane	67	6.120	6.120	0.000	97	452433	25.0	23.0	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	100	410317	25.0	22.2	
18 Ethyl ether	59	6.487	6.487	0.000	94	194872	25.0	20.5	
20 Acrolein	56	6.736	6.736	0.000	98	167686	125.0	104.1	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	208853	25.0	20.5	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	95	180335	25.0	19.5	
23 Acetone	43	6.879	6.879	0.000	100	423703	125.0	148.6	
25 Iodomethane	142	7.057	7.057	0.000	99	350677	25.0	19.6	
26 Carbon disulfide	76	7.140	7.140	0.000	100	652221	25.0	17.8	
27 Methyl acetate	43	7.163	7.163	0.000	98	800780	125.0	111.6	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	81	316194	25.0	18.6	
30 Methylene Chloride	84	7.341	7.341	0.000	97	227654	25.0	22.2	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	99	297850	250.0	316.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	97	631758	25.0	21.3	
34 trans-1,2-Dichloroethene	96	7.578	7.578	0.000	95	209310	25.0	21.2	
33 Acrylonitrile	53	7.578	7.578	0.000	98	865740	250.0	242.5	
35 Hexane	57	7.721	7.721	0.000	91	285026	25.0	18.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.922	0.000	97	932196	50.0	44.7	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	421880	25.0	22.2	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	549888	125.0	127.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	90	340668	25.0	21.9	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	241151	25.0	22.1	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	122264	25.0	23.0	
49 Tetrahydrofuran	42	8.705	8.705	0.000	56	136434	50.0	44.2	
50 Chloroform	83	8.705	8.705	0.000	96	421792	25.0	21.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	353953	25.0	21.2	
52 Cyclohexane	56	8.907	8.907	0.000	92	407371	25.0	21.2	
53 Isobutyl alcohol	43	8.954	8.954	0.000	99	309239	625.0	684.0	
54 1,1-Dichloropropene	75	8.990	8.990	0.000	97	300469	25.0	21.7	
55 Carbon tetrachloride	117	9.013	9.013	0.000	98	337819	25.0	22.9	
57 Benzene	78	9.179	9.179	0.000	98	866081	25.0	22.4	
59 n-Heptane	43	9.191	9.191	0.000	91	289313	25.0	19.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	348591	25.0	21.2	
62 Trichloroethene	95	9.654	9.654	0.000	96	236613	25.0	22.3	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	335101	25.0	21.3	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	94	235537	25.0	23.1	
66 1,4-Dioxane	88	9.926	9.926	0.000	96	43352	500.0	817.3	
67 Dibromomethane	93	9.997	9.997	0.000	95	150744	25.0	22.9	
68 Dichlorobromomethane	83	10.069	10.069	0.000	98	324988	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	144037	25.0	22.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	99	365101	25.0	22.7	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	96	1151203	125.0	111.3	
74 Toluene	92	10.650	10.650	0.000	97	552087	25.0	22.1	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	265870	25.0	22.0	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	94	344739	25.0	22.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	177242	25.0	23.0	
80 2-Hexanone	43	11.053	11.053	0.000	96	854894	125.0	119.5	
81 Tetrachloroethene	166	11.088	11.088	0.000	97	277488	25.0	23.6	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	92	358908	25.0	23.0	
83 Chlorodibromomethane	129	11.338	11.338	0.000	90	250098	25.0	22.3	
84 Ethylene Dibromide	107	11.468	11.468	0.000	99	222508	25.0	22.4	
88 Ethylbenzene	91	11.800	11.800	0.000	95	1079036	25.0	21.6	
87 Chlorobenzene	112	11.800	11.800	0.000	88	673174	25.0	22.9	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	261498	25.0	23.3	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	443067	25.0	23.0	
91 o-Xylene	106	12.239	12.239	0.000	98	437129	25.0	22.6	
92 Styrene	104	12.251	12.251	0.000	94	706738	25.0	22.4	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1125437	25.0	21.3	
95 Bromoform	173	12.523	12.523	0.000	95	152108	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	278634	25.0	22.8	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	85	85217	25.0	19.0	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	1308798	25.0	21.5	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	81	95092	25.0	23.8	
101 Bromobenzene	156	12.915	12.915	0.000	96	310345	25.0	22.9	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	987674	25.0	21.9	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	264945	25.0	22.6	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	279233	25.0	22.4	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	208902	25.0	21.3	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	98	1015169	25.0	21.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1209540	25.0	21.7	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	1028134	25.0	21.7	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	592546	25.0	22.7	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	611004	25.0	22.7	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	912559	25.0	21.9	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	573266	25.0	22.5	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.109	0.000	84	51677	25.0	19.7	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	406132	25.0	23.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	95	163617	25.0	24.0	
121 Naphthalene	128	16.579	16.579	0.000	97	848784	25.0	22.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	96	387745	25.0	23.6	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

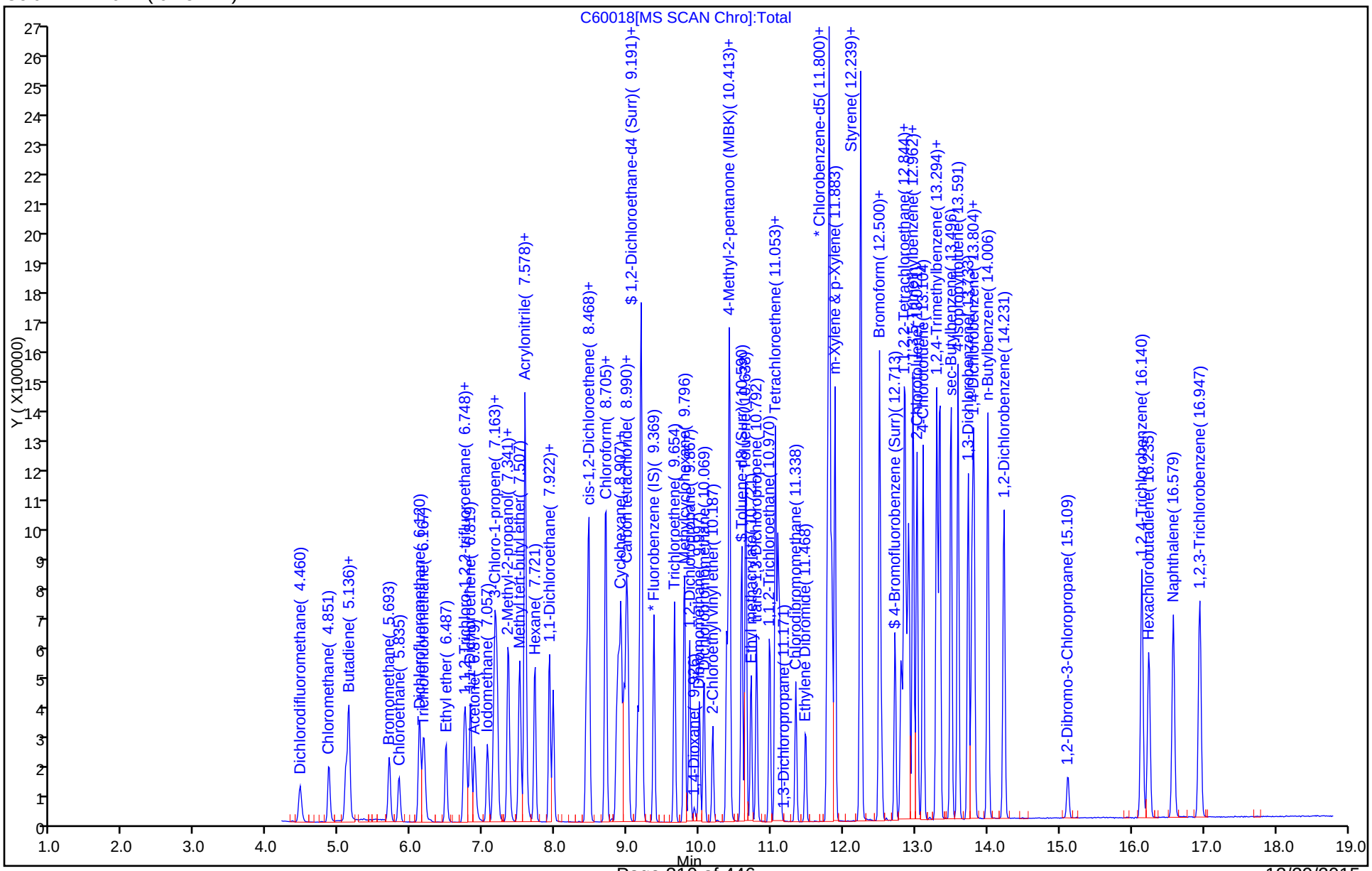
Report Date: 22-Dec-2015 23:20:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60018.D

Injection Date:	22-Dec-2015 23:00:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCV 480-281182/3 Calibration Date: 12/22/2015 23:26

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.323	1.163		22.0	25.0	-12.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7962	0.7433		23.3	25.0	-6.6	20.0
Toluene-d8 (Surr)	Ave	2.102	2.072		24.6	25.0	-1.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7258	0.7365		25.4	25.0	1.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 22-Dec-2015 23:26:30 ALS Bottle#: 29 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0049508-003
Operator ID: SO Instrument ID: HP5973C
Sublist: chrom-C-8260*sub86

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 23:47:26 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: o'briens Date: 22-Dec-2015 23:47:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	142133	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	87	267346	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	93	272130	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	165251	25.0	22.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	105648	25.0	23.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	553931	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	196892	25.0	25.4	
11 Chlorodifluoromethane	51	4.483	4.483	0.000	97	158191	25.0	14.9	
148 Ethanol	45	6.416	6.416	0.000	99	102048	1000.0	1495.1	
24 Isopropyl alcohol	45	6.974	6.974	0.000	98	161345	250.0	325.7	
29 Acetonitrile	40	7.223	7.223	0.000	99	155689	250.0	295.3	
36 Isopropyl ether	45	7.875	7.875	0.000	95	782543	25.0	23.9	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	94	343884	25.0	19.6	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	868585	25.0	25.2	
42 Ethyl acetate	43	8.397	8.397	0.000	99	444902	50.0	49.5	
46 Propionitrile	54	8.539	8.539	0.000	99	387036	250.0	289.4	
47 Methacrylonitrile	41	8.646	8.646	0.000	92	1520638	250.0	233.7	
147 t-Amyl alcohol	59	9.037	9.037	0.000	95	242019	250.0	287.0	
152 Isooctane	57	9.108	9.108	0.000	97	627289	25.0	19.8	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	98	703205	25.0	24.0	
1 1,4-Difluorobenzene	114	9.405	9.405	0.000	96	702692	25.0	24.4	
60 n-Butanol	56	9.464	9.464	0.000	81	176956	625.0	905.3	
142 Ethyl acrylate	55	9.606	9.606	0.000	99	358080	25.0	14.9	
63 Methyl methacrylate	41	9.784	9.784	0.000	92	431534	50.0	43.8	
70 2-Nitropropane	43	10.235	10.235	0.000	99	147243	50.0	45.5	
76 2-Methylthiophene	97	10.768	10.768	0.000	97	819942	25.0	22.2	
78 3-Methylthiophene	97	10.899	10.899	0.000	100	869540	25.0	23.4	
155 n-Butyl acetate	43	11.065	11.065	0.000	98	352489	25.0	23.3	
85 3-Chlorobenzotrifluoride	180	11.610	11.610	0.000	93	337776	25.0	20.2	
146 1-Chlorohexane	55	11.634	11.634	0.000	95	218966	25.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	97	353529	25.0	22.4	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	96	353152	25.0	21.9	
96 Cyclohexanone	55	12.725	12.725	0.000	92	82306	250.0	252.8	
104 3-Chlorotoluene	126	13.057	13.057	0.000	98	275759	25.0	22.4	
108 Pentachloroethane	167	13.425	13.425	0.000	90	170634	25.0	26.6	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	99	1059512	25.0	22.8	
114 Dicyclopentadiene	66	13.828	13.828	0.000	97	299163	25.0	20.1	
150 Benzyl chloride	126	13.923	13.923	0.000	99	121858	25.0	29.9	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	98	435396	25.0	24.5	
149 2-Methylnaphthalene	142	18.536	18.536	0.000	93	512853	25.0	24.5	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

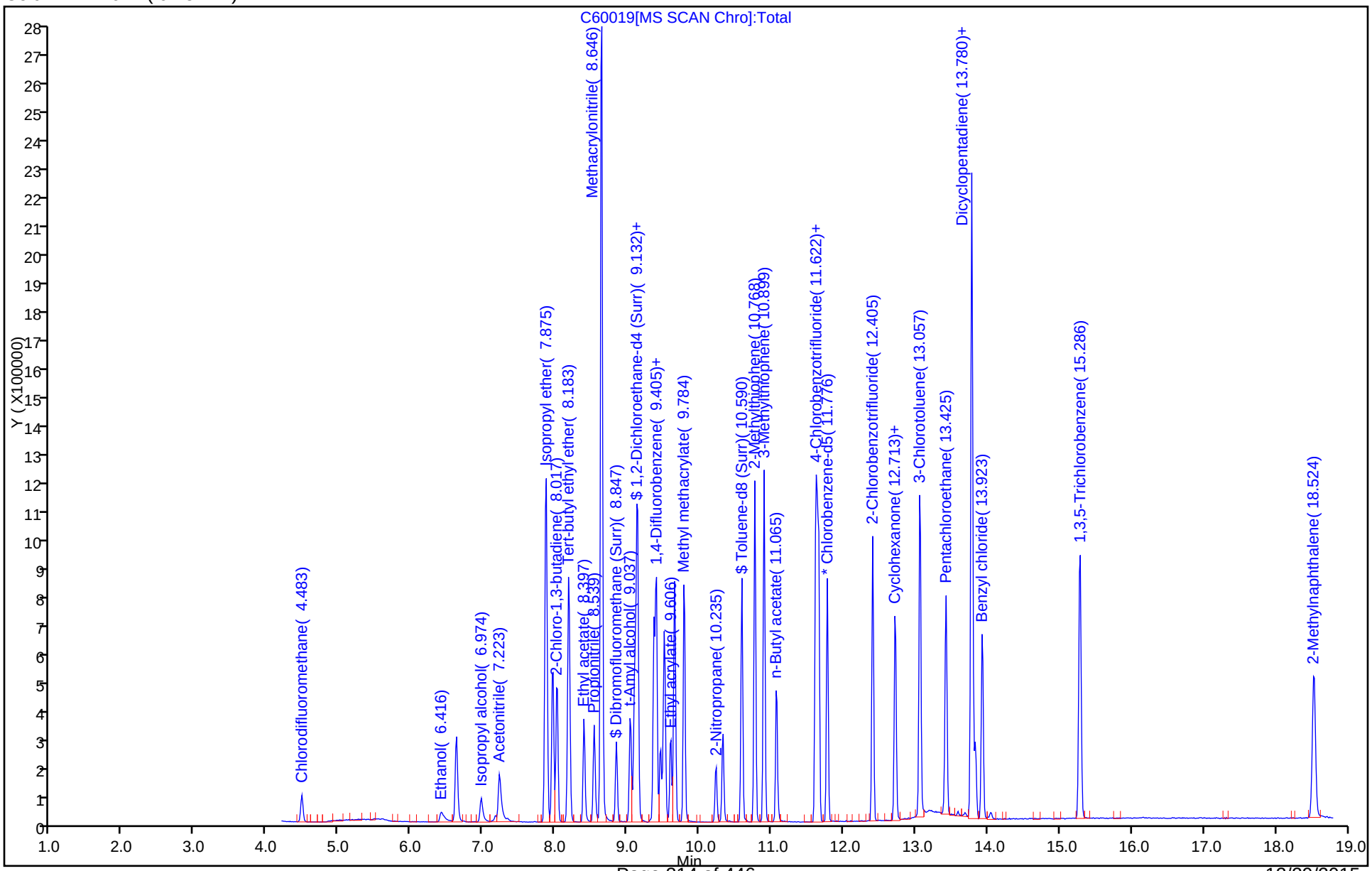
Report Date: 22-Dec-2015 23:47:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D

Injection Date:	22-Dec-2015 23:26:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCV 480-281182/3 Calibration Date: 12/22/2015 23:26

Instrument ID: HP5973C Calib Start Date: 12/11/2015 19:49

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 22:23

Lab File ID: C60019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.872	1.113		14.9	25.0	-40.6*	20.0
Ethanol	Ave	0.0120	0.0180		1500	1000	49.5*	20.0
Isopropyl alcohol	Ave	0.0871	0.1135		326	250	30.3*	20.0
Acetonitrile	Ave	0.0927	0.1095		295	250	18.1	20.0
Isopropyl ether	Ave	5.759	5.506		23.9	25.0	-4.4	20.0
Chloroprene	Ave	3.081	2.419		19.6	25.0	-21.5*	20.0
Tert-butyl ethyl ether	Ave	6.069	6.111		25.2	25.0	0.7	20.0
Ethyl acetate	Ave	1.581	1.565		49.5	50.0	-1.0	20.0
Propionitrile	Ave	0.2352	0.2723		289	250	15.8	20.0
Methacrylonitrile	Ave	1.144	1.070		234	250	-6.5	20.0
t-Amyl alcohol	Ave	0.1483	0.1703		287	250	14.8	20.0
Isooctane	Ave	5.572	4.413		19.8	25.0	-20.8*	20.0
Tert-amyl methyl ether	Ave	5.160	4.948		24.0	25.0	-4.1	20.0
1,4-Difluorobenzene	Ave	5.065	4.944		24.4	25.0	-2.4	20.0
n-Butanol	Ave	0.0344	0.0498		905	625	44.8*	20.0
Ethyl acrylate	Ave	4.226	2.519		14.9	25.0	-40.4*	20.0
Methyl methacrylate	Ave	1.735	1.518		43.8	50.0	-12.5	20.0
2-Nitropropane	Ave	0.5694	0.5180		45.5	50.0	-9.0	20.0
2-Methylthiophene	Ave	3.395	3.013		22.2	25.0	-11.2	20.0
3-Methylthiophene	Ave	3.419	3.195		23.4	25.0	-6.5	20.0
n-Butyl acetate	Ave	1.388	1.295	0.1000	23.3	25.0	-6.7	20.0
3-Chlorobenzotrifluoride	Ave	1.534	1.241		20.2	25.0	-19.1	20.0
1-Chlorohexane	Ave	1.014	0.8190		20.2	25.0	-19.2	20.0
4-Chlorobenzotrifluoride	Ave	1.452	1.299		22.4	25.0	-10.5	20.0
2-Chlorobenzotrifluoride	Ave	1.482	1.298		21.9	25.0	-12.5	20.0
Cyclohexanone	Ave	0.0299	0.0303		253	250	1.1	20.0
3-Chlorotoluene	Ave	1.130	1.013		22.4	25.0	-10.3	20.0
Pentachloroethane	Ave	0.5892	0.6270		26.6	25.0	6.4	20.0
1,2,3-Trimethylbenzene	Ave	4.270	3.893		22.8	25.0	-8.8	20.0
Dicyclopentadiene	Ave	1.370	1.099		20.1	25.0	-19.7	20.0
Benzyl chloride	Ave	0.3808	0.4558		29.9	25.0	19.7	20.0
1,3,5-Trichlorobenzene	Ave	1.636	1.600		24.5	25.0	-2.2	20.0
2-Methylnaphthalene	Ave	1.922	1.885		24.5	25.0	-1.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 22-Dec-2015 23:26:30 ALS Bottle#: 29 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0049508-003
Operator ID: SO Instrument ID: HP5973C
Sublist: chrom-C-8260*sub86

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 23:47:26 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: o'briens Date: 22-Dec-2015 23:47:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	142133	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	87	267346	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	93	272130	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	165251	25.0	22.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	105648	25.0	23.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	553931	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	196892	25.0	25.4	
11 Chlorodifluoromethane	51	4.483	4.483	0.000	97	158191	25.0	14.9	
148 Ethanol	45	6.416	6.416	0.000	99	102048	1000.0	1495.1	
24 Isopropyl alcohol	45	6.974	6.974	0.000	98	161345	250.0	325.7	
29 Acetonitrile	40	7.223	7.223	0.000	99	155689	250.0	295.3	
36 Isopropyl ether	45	7.875	7.875	0.000	95	782543	25.0	23.9	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	94	343884	25.0	19.6	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	868585	25.0	25.2	
42 Ethyl acetate	43	8.397	8.397	0.000	99	444902	50.0	49.5	
46 Propionitrile	54	8.539	8.539	0.000	99	387036	250.0	289.4	
47 Methacrylonitrile	41	8.646	8.646	0.000	92	1520638	250.0	233.7	
147 t-Amyl alcohol	59	9.037	9.037	0.000	95	242019	250.0	287.0	
152 Isooctane	57	9.108	9.108	0.000	97	627289	25.0	19.8	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	98	703205	25.0	24.0	
1 1,4-Difluorobenzene	114	9.405	9.405	0.000	96	702692	25.0	24.4	
60 n-Butanol	56	9.464	9.464	0.000	81	176956	625.0	905.3	
142 Ethyl acrylate	55	9.606	9.606	0.000	99	358080	25.0	14.9	
63 Methyl methacrylate	41	9.784	9.784	0.000	92	431534	50.0	43.8	
70 2-Nitropropane	43	10.235	10.235	0.000	99	147243	50.0	45.5	
76 2-Methylthiophene	97	10.768	10.768	0.000	97	819942	25.0	22.2	
78 3-Methylthiophene	97	10.899	10.899	0.000	100	869540	25.0	23.4	
155 n-Butyl acetate	43	11.065	11.065	0.000	98	352489	25.0	23.3	
85 3-Chlorobenzotrifluoride	180	11.610	11.610	0.000	93	337776	25.0	20.2	
146 1-Chlorohexane	55	11.634	11.634	0.000	95	218966	25.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	97	353529	25.0	22.4	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	96	353152	25.0	21.9	
96 Cyclohexanone	55	12.725	12.725	0.000	92	82306	250.0	252.8	
104 3-Chlorotoluene	126	13.057	13.057	0.000	98	275759	25.0	22.4	
108 Pentachloroethane	167	13.425	13.425	0.000	90	170634	25.0	26.6	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	99	1059512	25.0	22.8	
114 Dicyclopentadiene	66	13.828	13.828	0.000	97	299163	25.0	20.1	
150 Benzyl chloride	126	13.923	13.923	0.000	99	121858	25.0	29.9	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	98	435396	25.0	24.5	
149 2-Methylnaphthalene	142	18.536	18.536	0.000	93	512853	25.0	24.5	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

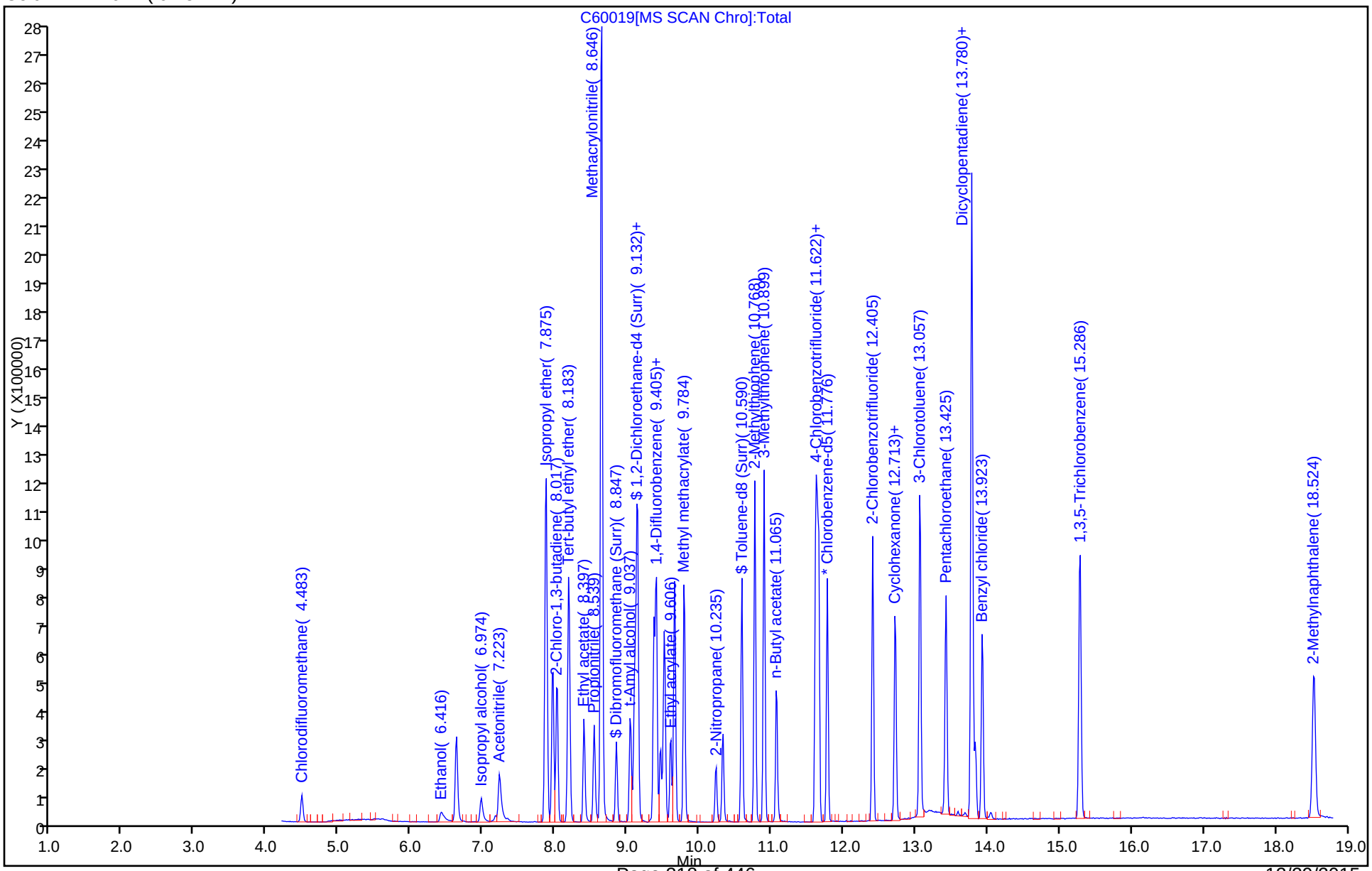
Report Date: 22-Dec-2015 23:47:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D

Injection Date:	22-Dec-2015 23:26:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-279770/2 Calibration Date: 12/15/2015 09:46

Instrument ID: HP5973F Calib Start Date: 12/08/2015 16:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/08/2015 19:04

Lab File ID: F3149.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.977	2.005	0.1000	50.7	50.0	1.4	50.0
Chloromethane	Ave	1.397	1.472	0.1000	52.7	50.0	5.3	20.0
Vinyl chloride	Ave	1.319	1.433	0.1000	54.3	50.0	8.7	20.0
Butadiene	Ave	1.241	1.363		54.9	50.0	9.8	20.0
Bromomethane	Ave	0.7284	0.7732	0.1000	53.1	50.0	6.1	50.0
Chloroethane	Ave	0.5475	0.6057	0.1000	55.3	50.0	10.6	50.0
Dichlorofluoromethane	Ave	1.695	1.779		52.5	50.0	4.9	20.0
Trichlorofluoromethane	Ave	1.883	2.108	0.1000	56.0	50.0	11.9	20.0
Ethyl ether	Ave	1.155	1.238		53.6	50.0	7.1	20.0
Acrolein	Ave	0.2220	0.2243		253	250	1.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.474	1.531	0.1000	52.0	50.0	3.9	20.0
1,1-Dichloroethene	Ave	1.432	1.495	0.1000	52.2	50.0	4.4	20.0
Acetone	Ave	0.4029	0.4320	0.1000	268	250	7.2	50.0
Iodomethane	Ave	2.688	2.756		51.3	50.0	2.5	20.0
Carbon disulfide	Ave	4.687	4.532	0.1000	48.3	50.0	-3.3	20.0
Allyl chloride	Ave	1.949	1.932		49.6	50.0	-0.9	20.0
Methyl acetate	Ave	0.9557	0.9481	0.1000	248	250	-0.8	50.0
Methylene Chloride	Lin1		1.607	0.1000	52.3	50.0	4.6	20.0
2-Methyl-2-propanol	Ave	0.1443	0.1396		484	500	-3.2	50.0
Methyl tert-butyl ether	Ave	4.651	4.637	0.1000	49.8	50.0	-0.3	20.0
trans-1,2-Dichloroethene	Ave	1.583	1.620	0.1000	51.2	50.0	2.3	20.0
Acrylonitrile	Ave	0.4375	0.4239		484	500	-3.1	20.0
Hexane	Ave	2.390	2.239		46.8	50.0	-6.3	20.0
Vinyl acetate	Ave	2.626	2.750		105	100	4.7	20.0
1,1-Dichloroethane	Ave	2.583	2.634	0.2000	51.0	50.0	2.0	20.0
2,2-Dichloropropane	Ave	2.315	2.443		52.8	50.0	5.5	20.0
2-Butanone (MEK)	Ave	0.5868	0.6162	0.1000	263	250	5.0	20.0
cis-1,2-Dichloroethene	Ave	1.703	1.700	0.1000	49.9	50.0	-0.2	20.0
Chlorobromomethane	Ave	0.8464	0.8579		50.7	50.0	1.4	20.0
Tetrahydrofuran	Ave	0.3976	0.3960		99.6	100	-0.4	20.0
Chloroform	Ave	2.821	2.834	0.2000	50.2	50.0	0.5	20.0
1,1,1-Trichloroethane	Ave	2.510	2.587	0.1000	51.6	50.0	3.1	20.0
Cyclohexane	Ave	2.198	2.154	0.1000	49.0	50.0	-2.0	20.0
1,1-Dichloropropene	Ave	2.201	2.263		51.4	50.0	2.8	20.0
Carbon tetrachloride	Ave	2.246	2.351	0.1000	52.3	50.0	4.7	20.0
Isobutyl alcohol	Ave	0.0495	0.0508		1280	1250	2.6	50.0
Benzene	Ave	6.041	6.039	0.5000	50.0	50.0	-0.0	20.0
1,2-Dichloroethane	Ave	2.188	2.207	0.1000	50.4	50.0	0.9	20.0
n-Heptane	Ave	2.112	2.089		49.4	50.0	-1.1	20.0
Trichloroethene	Ave	1.643	1.683	0.2000	51.2	50.0	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-279770/2 Calibration Date: 12/15/2015 09:46

Instrument ID: HP5973F Calib Start Date: 12/08/2015 16:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/08/2015 19:04

Lab File ID: F3149.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.762	2.769	0.1000	50.1	50.0	0.3	20.0
1,2-Dichloropropane	Ave	1.331	1.320	0.1000	49.6	50.0	-0.9	20.0
1,4-Dioxane	Lin1		0.0066		1030	1000	2.5	50.0
Dibromomethane	Ave	0.9772	0.9722	0.1000	49.7	50.0	-0.5	20.0
Bromodichloromethane	Ave	2.035	2.057	0.2000	50.6	50.0	1.1	20.0
2-Chloroethyl vinyl ether	Ave	0.7965	0.7590		47.6	50.0	-4.7	20.0
cis-1,3-Dichloropropene	Ave	2.424	2.439	0.2000	50.3	50.0	0.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5923	0.5712	0.1000	241	250	-3.5	20.0
Toluene	Ave	1.905	1.843	0.4000	48.4	50.0	-3.3	20.0
Ethyl methacrylate	Ave	0.8787	0.8664		49.3	50.0	-1.4	20.0
trans-1,3-Dichloropropene	Ave	1.051	1.073	0.1000	51.1	50.0	2.1	20.0
1,1,2-Trichloroethane	Ave	0.5171	0.5104	0.1000	49.4	50.0	-1.3	20.0
Tetrachloroethene	Ave	0.8404	0.8641	0.2000	51.4	50.0	2.8	20.0
1,3-Dichloropropane	Ave	1.084	1.054		48.6	50.0	-2.8	20.0
2-Hexanone	Ave	0.4240	0.4304	0.1000	254	250	1.5	20.0
Dibromochloromethane	Ave	0.7183	0.7153	0.1000	49.8	50.0	-0.4	20.0
1,2-Dibromoethane	Ave	0.6694	0.6632		49.5	50.0	-0.9	20.0
Chlorobenzene	Ave	2.055	2.027	0.5000	49.3	50.0	-1.4	20.0
Ethylbenzene	Ave	3.460	3.433	0.1000	49.6	50.0	-0.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6933	0.6889		49.7	50.0	-0.6	20.0
m,p-Xylene	Ave	1.396	1.370	0.1000	49.1	50.0	-1.9	20.0
o-Xylene	Ave	1.321	1.304	0.3000	49.4	50.0	-1.3	20.0
Styrene	Ave	2.229	2.185	0.3000	49.0	50.0	-2.0	20.0
Bromoform	Ave	0.4193	0.4041	0.1000	48.2	50.0	-3.6	50.0
Isopropylbenzene	Ave	3.575	3.488	0.1000	48.8	50.0	-2.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8514	0.8018	0.3000	47.1	50.0	-5.8	20.0
Bromobenzene	Ave	0.9544	0.9335		48.9	50.0	-2.2	20.0
N-Propylbenzene	Ave	4.260	4.188		49.1	50.0	-1.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2632	0.2633		50.0	50.0	0.0	50.0
1,2,3-Trichloropropane	Ave	0.2849	0.2767		48.6	50.0	-2.9	20.0
2-Chlorotoluene	Ave	0.8671	0.8378		48.3	50.0	-3.4	20.0
1,3,5-Trimethylbenzene	Ave	3.061	3.005		49.1	50.0	-1.8	20.0
4-Chlorotoluene	Ave	0.9221	0.8999		48.8	50.0	-2.4	20.0
tert-Butylbenzene	Ave	0.6822	0.6569		48.1	50.0	-3.7	20.0
1,2,4-Trimethylbenzene	Ave	3.176	3.057		48.1	50.0	-3.7	20.0
sec-Butylbenzene	Ave	3.869	3.794		49.0	50.0	-1.9	20.0
4-Isopropyltoluene	Ave	3.321	3.292		49.6	50.0	-0.9	20.0
1,3-Dichlorobenzene	Ave	1.776	1.746	0.6000	49.2	50.0	-1.7	20.0
1,4-Dichlorobenzene	Ave	1.792	1.762	0.5000	49.1	50.0	-1.7	20.0
n-Butylbenzene	Ave	2.997	2.997		50.0	50.0	-0.0	20.0
1,2-Dichlorobenzene	Ave	1.660	1.619	0.4000	48.8	50.0	-2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-279770/2 Calibration Date: 12/15/2015 09:46

Instrument ID: HP5973F Calib Start Date: 12/08/2015 16:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/08/2015 19:04

Lab File ID: F3149.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1659	0.1491	0.0500	45.0	50.0	-10.1	50.0
1,2,4-Trichlorobenzene	Ave	1.109	1.117	0.2000	50.4	50.0	0.8	20.0
Hexachlorobutadiene	Ave	0.6557	0.6603		50.4	50.0	0.7	20.0
Naphthalene	Ave	2.834	2.648		46.7	50.0	-6.6	20.0
1,2,3-Trichlorobenzene	Ave	1.019	1.003		49.3	50.0	-1.5	20.0
Dibromofluoromethane (Surr)	Ave	1.159	1.135		49.0	50.0	-2.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6906	0.6618		47.9	50.0	-4.2	20.0
Toluene-d8 (Surr)	Ave	2.071	1.974		47.7	50.0	-4.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6578	0.6456		49.1	50.0	-1.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3149.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Dec-2015 09:46:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049231-002
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 14:28:37 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 10:06:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	148275	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	87	310832	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	296422	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	92	168349	50.0	49.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	98121	50.0	47.9	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	613715	50.0	47.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.421	9.421	0.000	89	200658	50.0	49.1	
10 Dichlorodifluoromethane	85	1.914	1.914	0.000	99	297218	50.0	50.7	
12 Chloromethane	50	2.073	2.073	0.000	99	218203	50.0	52.7	
13 Vinyl chloride	62	2.182	2.182	0.000	97	212530	50.0	54.3	
151 Butadiene	54	2.188	2.188	0.000	92	202076	50.0	54.9	
14 Bromomethane	94	2.468	2.468	0.000	92	114648	50.0	53.1	
15 Chloroethane	64	2.535	2.535	0.000	99	89811	50.0	55.3	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	97	263728	50.0	52.5	
17 Trichlorofluoromethane	101	2.717	2.717	0.000	98	312617	50.0	56.0	
18 Ethyl ether	59	2.918	2.918	0.000	87	183499	50.0	53.6	
20 Acrolein	56	3.076	3.076	0.000	99	166274	250.0	252.5	
21 1,1,2-Trichloro-1,2,2-trif	101	3.113	3.113	0.000	92	227032	50.0	52.0	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	221681	50.0	52.2	
23 Acetone	43	3.186	3.186	0.000	100	320275	250.0	268.1	
25 Iodomethane	142	3.289	3.289	0.000	98	408651	50.0	51.3	
26 Carbon disulfide	76	3.338	3.338	0.000	100	671954	50.0	48.3	
27 Methyl acetate	43	3.405	3.405	0.000	96	702875	250.0	248.0	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	82	286445	50.0	49.6	
30 Methylene Chloride	84	3.514	3.514	0.000	87	238270	50.0	52.3	
31 2-Methyl-2-propanol	59	3.575	3.575	0.000	98	207048	500.0	483.8	
32 Methyl tert-butyl ether	73	3.666	3.666	0.000	94	687538	50.0	49.8	
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	96	240169	50.0	51.2	
33 Acrylonitrile	53	3.715	3.715	0.000	98	628540	500.0	484.4	
35 Hexane	57	3.837	3.837	0.000	92	331987	50.0	46.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.019	4.019	0.000	97	815465	100.0	104.7	
39 1,1-Dichloroethane	63	4.031	4.031	0.000	96	390503	50.0	51.0	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	89	362278	50.0	52.8	
43 2-Butanone (MEK)	43	4.476	4.476	0.000	98	456817	250.0	262.5	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	79	252106	50.0	49.9	
48 Chlorobromomethane	128	4.688	4.688	0.000	82	127209	50.0	50.7	
49 Tetrahydrofuran	42	4.707	4.707	0.000	81	117423	100.0	99.6	
50 Chloroform	83	4.725	4.725	0.000	93	420239	50.0	50.2	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	97	383650	50.0	51.6	
52 Cyclohexane	56	4.889	4.889	0.000	87	319432	50.0	49.0	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	94	335482	50.0	51.4	
55 Carbon tetrachloride	117	4.993	4.993	0.000	95	348623	50.0	52.3	
53 Isobutyl alcohol	43	5.047	5.047	0.000	92	188108	1250.0	1282.2	M
57 Benzene	78	5.169	5.169	0.000	95	895418	50.0	50.0	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	98	327175	50.0	50.4	
59 n-Heptane	43	5.260	5.260	0.000	85	309748	50.0	49.4	
62 Trichloroethene	95	5.686	5.686	0.000	97	249583	50.0	51.2	
64 Methylcyclohexane	83	5.826	5.826	0.000	86	410638	50.0	50.1	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	90	195687	50.0	49.6	
66 1,4-Dioxane	88	6.021	6.021	0.000	87	41220	1000.0	1025.2	
67 Dibromomethane	93	6.039	6.039	0.000	94	144150	50.0	49.7	
68 Dichlorobromomethane	83	6.149	6.149	0.000	99	305044	50.0	50.6	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	94	112541	50.0	47.6	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	361602	50.0	50.3	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	94	887792	250.0	241.1	
74 Toluene	92	6.818	6.818	0.000	98	572930	50.0	48.4	
75 Ethyl methacrylate	69	7.043	7.043	0.000	71	269301	50.0	49.3	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	95	333576	50.0	51.1	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	94	158658	50.0	49.4	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	268591	50.0	51.4	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	97	327638	50.0	48.6	
80 2-Hexanone	43	7.420	7.420	0.000	94	668902	250.0	253.8	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	222336	50.0	49.8	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	206149	50.0	49.5	
87 Chlorobenzene	112	8.229	8.229	0.000	95	629901	50.0	49.3	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1067061	50.0	49.6	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	93	214119	50.0	49.7	
90 m-Xylene & p-Xylene	106	8.406	8.406	0.000	100	425777	50.0	49.1	
91 o-Xylene	106	8.837	8.837	0.000	97	405384	50.0	49.4	
92 Styrene	104	8.862	8.862	0.000	94	679295	50.0	49.0	
95 Bromoform	173	9.136	9.136	0.000	95	125596	50.0	48.2	
94 Isopropylbenzene	105	9.202	9.202	0.000	96	1034040	50.0	48.8	
97 1,1,2,2-Tetrachloroethane	83	9.586	9.586	0.000	97	237657	50.0	47.1	
101 Bromobenzene	156	9.592	9.592	0.000	91	276710	50.0	48.9	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	59	78043	50.0	50.0	
99 N-Propylbenzene	91	9.628	9.628	0.000	99	1241275	50.0	49.1	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	83	82030	50.0	48.6	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	248345	50.0	48.3	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	93	890877	50.0	49.1	
105 4-Chlorotoluene	126	9.859	9.859	0.000	98	266760	50.0	48.8	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	194717	50.0	48.1	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	906166	50.0	48.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.322	10.322	0.000	95	1124649	50.0	49.0	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	975920	50.0	49.6	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	517601	50.0	49.2	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	93	522235	50.0	49.1	
115 n-Butylbenzene	91	10.821	10.821	0.000	98	888360	50.0	50.0	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	479902	50.0	48.8	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	84	44203	50.0	45.0	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	331192	50.0	50.4	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	98	195735	50.0	50.4	
121 Naphthalene	128	12.445	12.445	0.000	97	785018	50.0	46.7	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	297452	50.0	49.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00126	Amount Added:	25.00	Units: uL	
8260 CORP mix_00061	Amount Added:	25.00	Units: uL	
F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

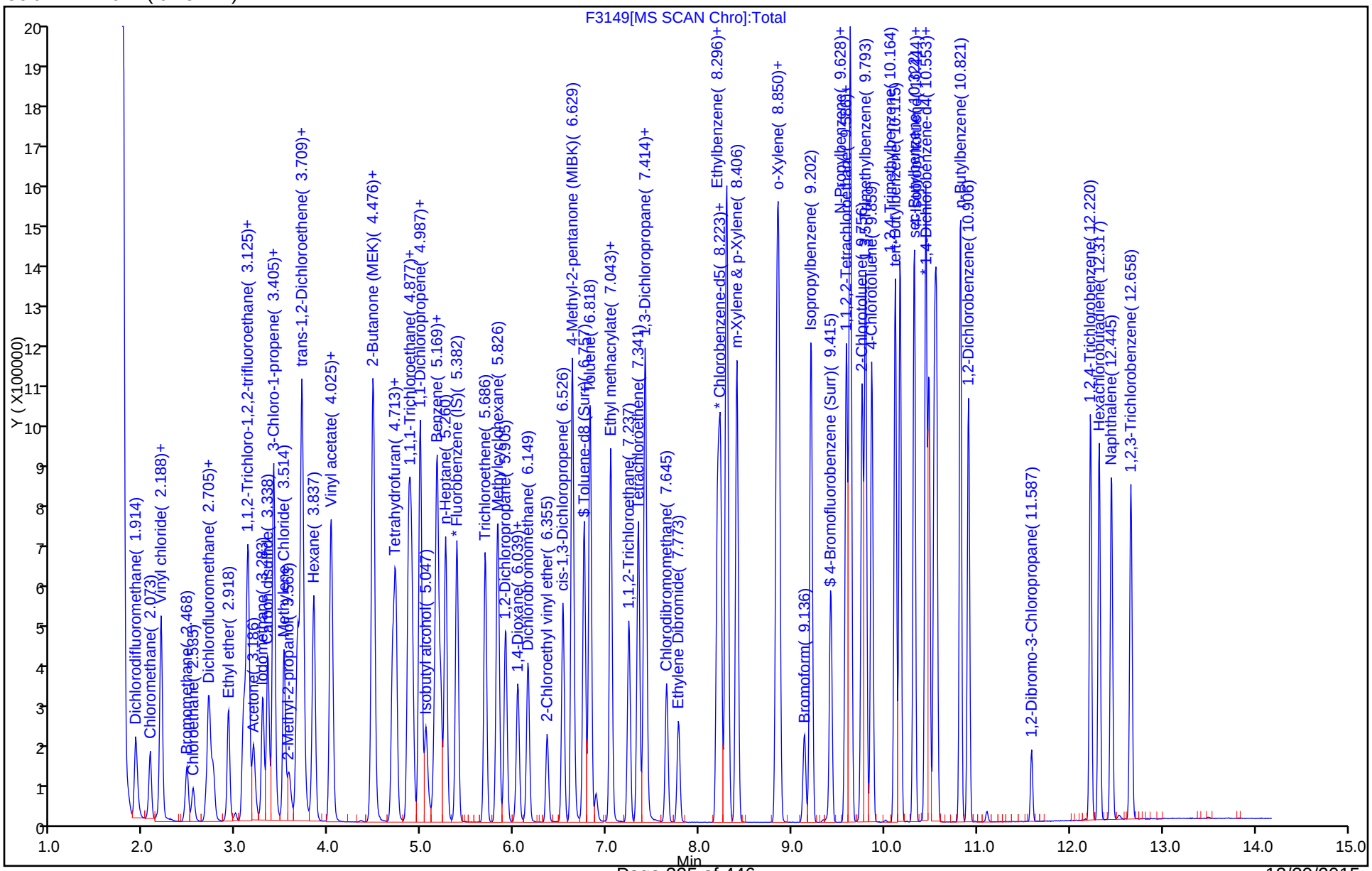
Report Date: 15-Dec-2015 14:28:39 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3149.D

Injection Date:	15-Dec-2015 09:46:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



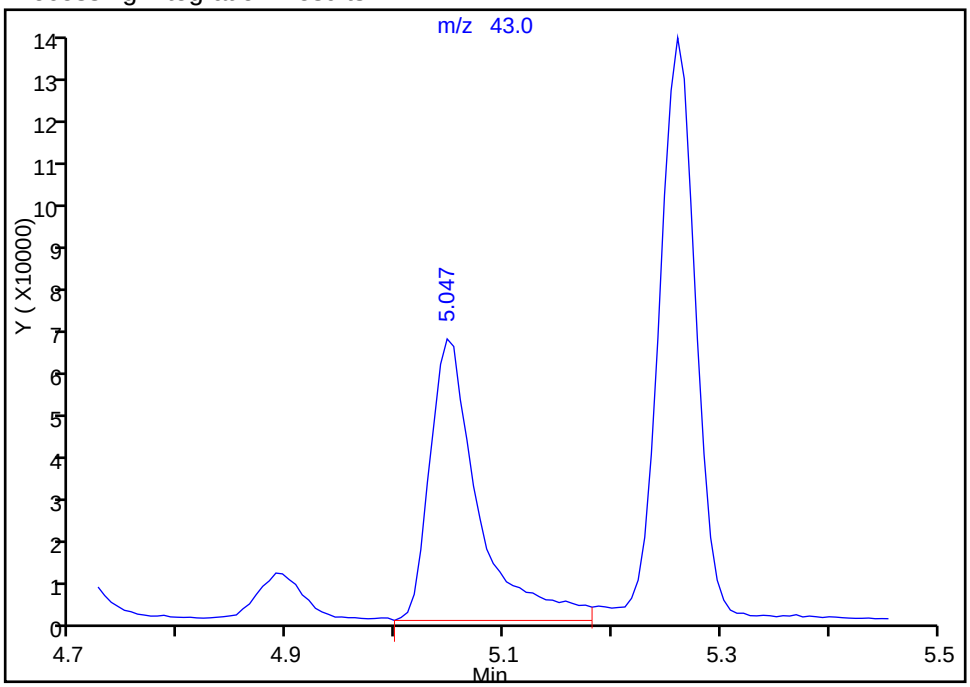
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3149.D
Injection Date: 15-Dec-2015 09:46:30 Instrument ID: HP5973F
Lims ID: CCVIS
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

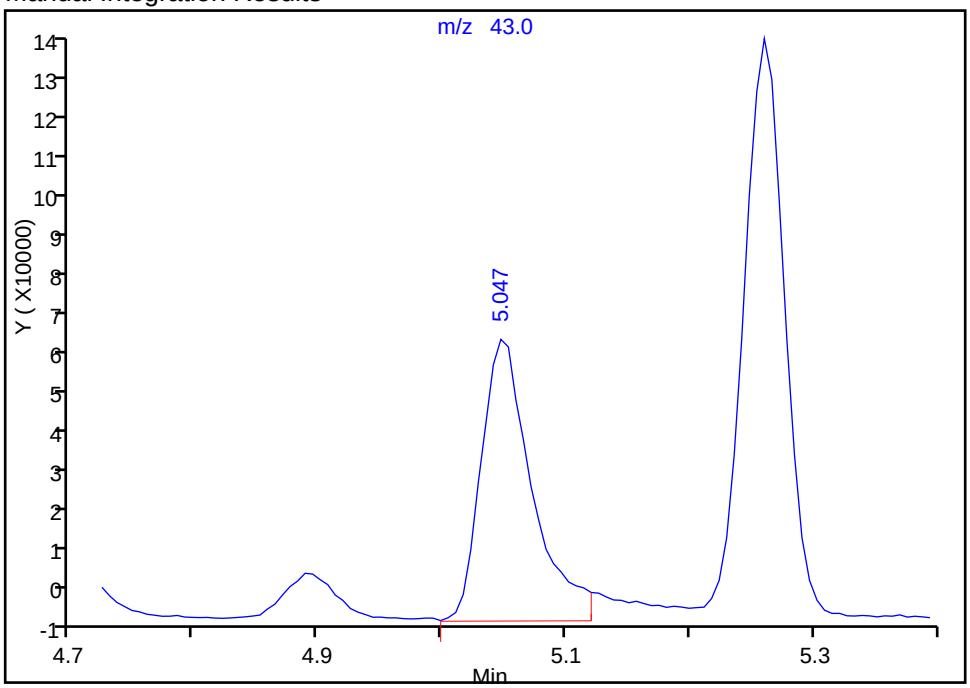
Processing Integration Results

RT: 5.05
Area: 203455
Amount: 1386.7594
Amount Units: ug/kg



Manual Integration Results

RT: 5.05
Area: 188108
Amount: 1282.1535
Amount Units: ug/kg



Reviewer: cwiklinc, 15-Dec-2015 14:28:37
Audit Action: Manually Integrated
Audit Reason: Other

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-279993/3 Calibration Date: 12/16/2015 09:14

Instrument ID: HP5973F Calib Start Date: 12/08/2015 16:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/08/2015 19:04

Lab File ID: F3197.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.977	1.924	0.1000	48.6	50.0	-2.7	50.0
Chloromethane	Ave	1.397	1.488	0.1000	53.2	50.0	6.5	20.0
Vinyl chloride	Ave	1.319	1.451	0.1000	55.0	50.0	10.0	20.0
Butadiene	Ave	1.241	1.329		53.6	50.0	7.1	20.0
Bromomethane	Ave	0.7284	0.7735	0.1000	53.1	50.0	6.2	50.0
Chloroethane	Ave	0.5475	0.6028	0.1000	55.1	50.0	10.1	50.0
Dichlorofluoromethane	Ave	1.695	1.863		55.0	50.0	9.9	20.0
Trichlorofluoromethane	Ave	1.883	2.191	0.1000	58.2	50.0	16.4	20.0
Ethyl ether	Ave	1.155	1.334		57.7	50.0	15.5	20.0
Acrolein	Ave	0.2220	0.2736		308	250	23.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.474	1.588	0.1000	53.9	50.0	7.8	20.0
1,1-Dichloroethene	Ave	1.432	1.516	0.1000	53.0	50.0	5.9	20.0
Acetone	Ave	0.4029	0.4885	0.1000	303	250	21.3	50.0
Iodomethane	Ave	2.688	2.624		48.8	50.0	-2.4	20.0
Carbon disulfide	Ave	4.687	4.342	0.1000	46.3	50.0	-7.4	20.0
Allyl chloride	Ave	1.949	1.895		48.6	50.0	-2.8	20.0
Methyl acetate	Ave	0.9557	1.068	0.1000	279	250	11.7	50.0
Methylene Chloride	Lin1		1.620	0.1000	52.7	50.0	5.5	20.0
2-Methyl-2-propanol	Ave	0.1443	0.1467		508	500	1.6	50.0
Methyl tert-butyl ether	Ave	4.651	4.641	0.1000	49.9	50.0	-0.2	20.0
trans-1,2-Dichloroethene	Ave	1.583	1.597	0.1000	50.5	50.0	0.9	20.0
Acrylonitrile	Ave	0.4375	0.4982		569	500	13.9	20.0
Hexane	Ave	2.390	2.138		44.7	50.0	-10.6	20.0
Vinyl acetate	Ave	2.626	2.880		110	100	9.7	20.0
1,1-Dichloroethane	Ave	2.583	2.590	0.2000	50.1	50.0	0.3	20.0
2,2-Dichloropropane	Ave	2.315	2.303		49.7	50.0	-0.5	20.0
2-Butanone (MEK)	Ave	0.5868	0.7127	0.1000	304	250	21.4*	20.0
cis-1,2-Dichloroethene	Ave	1.703	1.688	0.1000	49.6	50.0	-0.9	20.0
Chlorobromomethane	Ave	0.8464	0.8443		49.9	50.0	-0.2	20.0
Tetrahydrofuran	Ave	0.3976	0.4429		111	100	11.4	20.0
Chloroform	Ave	2.821	2.802	0.2000	49.7	50.0	-0.7	20.0
1,1,1-Trichloroethane	Ave	2.510	2.457	0.1000	49.0	50.0	-2.1	20.0
Cyclohexane	Ave	2.198	2.064	0.1000	46.9	50.0	-6.1	20.0
1,1-Dichloropropene	Ave	2.201	2.147		48.8	50.0	-2.5	20.0
Carbon tetrachloride	Ave	2.246	2.168	0.1000	48.3	50.0	-3.5	20.0
Isobutyl alcohol	Ave	0.0495	0.0540		1360	1250	9.1	50.0
Benzene	Ave	6.041	5.965	0.5000	49.4	50.0	-1.3	20.0
1,2-Dichloroethane	Ave	2.188	2.220	0.1000	50.7	50.0	1.5	20.0
n-Heptane	Ave	2.112	2.050		48.5	50.0	-2.9	20.0
Trichloroethene	Ave	1.643	1.598	0.2000	48.7	50.0	-2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-279993/3 Calibration Date: 12/16/2015 09:14

Instrument ID: HP5973F Calib Start Date: 12/08/2015 16:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/08/2015 19:04

Lab File ID: F3197.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.762	2.600	0.1000	47.1	50.0	-5.9	20.0
1,2-Dichloropropane	Ave	1.331	1.290	0.1000	48.5	50.0	-3.1	20.0
1,4-Dioxane	Lin1		0.0061		948	1000	-5.2	50.0
Dibromomethane	Ave	0.9772	0.9763	0.1000	50.0	50.0	-0.0	20.0
Bromodichloromethane	Ave	2.035	1.961	0.2000	48.2	50.0	-3.6	20.0
2-Chloroethyl vinyl ether	Ave	0.7965	0.7645		48.0	50.0	-4.0	20.0
cis-1,3-Dichloropropene	Ave	2.424	2.312	0.2000	47.7	50.0	-4.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5923	0.6614	0.1000	279	250	11.7	20.0
Toluene	Ave	1.905	1.788	0.4000	46.9	50.0	-6.2	20.0
Ethyl methacrylate	Ave	0.8787	0.8900		50.6	50.0	1.3	20.0
trans-1,3-Dichloropropene	Ave	1.051	1.056	0.1000	50.3	50.0	0.5	20.0
1,1,2-Trichloroethane	Ave	0.5171	0.5149	0.1000	49.8	50.0	-0.4	20.0
Tetrachloroethene	Ave	0.8404	0.8104	0.2000	48.2	50.0	-3.6	20.0
1,3-Dichloropropane	Ave	1.084	1.078		49.7	50.0	-0.5	20.0
2-Hexanone	Ave	0.4240	0.5036	0.1000	297	250	18.8	20.0
Dibromochloromethane	Ave	0.7183	0.6923	0.1000	48.2	50.0	-3.6	20.0
1,2-Dibromoethane	Ave	0.6694	0.6643		49.6	50.0	-0.8	20.0
Chlorobenzene	Ave	2.055	1.968	0.5000	47.9	50.0	-4.2	20.0
Ethylbenzene	Ave	3.460	3.304	0.1000	47.7	50.0	-4.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6933	0.6702		48.3	50.0	-3.3	20.0
m,p-Xylene	Ave	1.396	1.295	0.1000	46.4	50.0	-7.2	20.0
o-Xylene	Ave	1.321	1.247	0.3000	47.2	50.0	-5.6	20.0
Styrene	Ave	2.229	2.091	0.3000	46.9	50.0	-6.2	20.0
Bromoform	Ave	0.4193	0.3868	0.1000	46.1	50.0	-7.7	50.0
Isopropylbenzene	Ave	3.575	3.304	0.1000	46.2	50.0	-7.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8514	0.8590	0.3000	50.4	50.0	0.9	20.0
Bromobenzene	Ave	0.9544	0.8893		46.6	50.0	-6.8	20.0
N-Propylbenzene	Ave	4.260	4.009		47.1	50.0	-5.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2632	0.2806		53.3	50.0	6.6	50.0
1,2,3-Trichloropropane	Ave	0.2849	0.2907		51.0	50.0	2.0	20.0
2-Chlorotoluene	Ave	0.8671	0.7917		45.6	50.0	-8.7	20.0
1,3,5-Trimethylbenzene	Ave	3.061	2.845		46.5	50.0	-7.0	20.0
4-Chlorotoluene	Ave	0.9221	0.8404		45.6	50.0	-8.9	20.0
tert-Butylbenzene	Ave	0.6822	0.6171		45.2	50.0	-9.5	20.0
1,2,4-Trimethylbenzene	Ave	3.176	2.887		45.5	50.0	-9.1	20.0
sec-Butylbenzene	Ave	3.869	3.585		46.3	50.0	-7.3	20.0
4-Isopropyltoluene	Ave	3.321	3.104		46.7	50.0	-6.5	20.0
1,3-Dichlorobenzene	Ave	1.776	1.662	0.6000	46.8	50.0	-6.4	20.0
1,4-Dichlorobenzene	Ave	1.792	1.682	0.5000	46.9	50.0	-6.2	20.0
n-Butylbenzene	Ave	2.997	2.825		47.1	50.0	-5.8	20.0
1,2-Dichlorobenzene	Ave	1.660	1.542	0.4000	46.4	50.0	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-279993/3 Calibration Date: 12/16/2015 09:14

Instrument ID: HP5973F Calib Start Date: 12/08/2015 16:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/08/2015 19:04

Lab File ID: F3197.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1659	0.1572	0.0500	47.4	50.0	-5.2	50.0
1,2,4-Trichlorobenzene	Ave	1.109	1.052	0.2000	47.5	50.0	-5.1	20.0
Hexachlorobutadiene	Ave	0.6557	0.6111		46.6	50.0	-6.8	20.0
Naphthalene	Ave	2.834	2.675		47.2	50.0	-5.6	20.0
1,2,3-Trichlorobenzene	Ave	1.019	0.9690		47.6	50.0	-4.9	20.0
Dibromofluoromethane (Surr)	Ave	1.159	1.326		57.2	50.0	14.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6906	0.8052		58.3	50.0	16.6	20.0
Toluene-d8 (Surr)	Ave	2.071	2.301		55.5	50.0	11.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6578	0.7400		56.2	50.0	12.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3197.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 16-Dec-2015 09:14:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049277-003
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 09:37:02 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 09:37:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.376	5.376	0.000	99	133667	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	281718	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	270962	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.853	0.000	92	177199	50.0	57.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	107633	50.0	58.3	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	648146	50.0	55.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.415	0.000	89	208479	50.0	56.2	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	99	257153	50.0	48.6	
12 Chloromethane	50	2.060	2.060	0.000	100	198853	50.0	53.2	
13 Vinyl chloride	62	2.176	2.176	0.000	98	193935	50.0	55.0	
151 Butadiene	54	2.182	2.182	0.000	92	177674	50.0	53.6	
14 Bromomethane	94	2.462	2.462	0.000	93	103390	50.0	53.1	
15 Chloroethane	64	2.529	2.529	0.000	100	80576	50.0	55.1	
16 Dichlorofluoromethane	67	2.693	2.693	0.000	97	249081	50.0	55.0	
17 Trichlorofluoromethane	101	2.711	2.711	0.000	98	292913	50.0	58.2	
18 Ethyl ether	59	2.912	2.912	0.000	86	178363	50.0	57.7	
20 Acrolein	56	3.070	3.070	0.000	99	182879	250.0	308.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.101	3.101	0.000	93	212328	50.0	53.9	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	202671	50.0	53.0	
23 Acetone	43	3.180	3.180	0.000	99	326495	250.0	303.1	
25 Iodomethane	142	3.277	3.277	0.000	99	350705	50.0	48.8	
26 Carbon disulfide	76	3.338	3.338	0.000	99	580347	50.0	46.3	
28 3-Chloro-1-propene	41	3.399	3.399	0.000	81	253255	50.0	48.6	
27 Methyl acetate	43	3.399	3.399	0.000	96	713771	250.0	279.4	
30 Methylene Chloride	84	3.508	3.508	0.000	86	216535	50.0	52.7	
31 2-Methyl-2-propanol	59	3.563	3.563	0.000	98	196044	500.0	508.1	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	94	620304	50.0	49.9	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	97	213509	50.0	50.5	
33 Acrylonitrile	53	3.715	3.715	0.000	97	665965	500.0	569.3	
35 Hexane	57	3.831	3.831	0.000	92	285723	50.0	44.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	4.013	4.013	0.000	97	769793	100.0	109.7	
39 1,1-Dichloroethane	63	4.025	4.025	0.000	96	346202	50.0	50.1	
44 2,2-Dichloropropane	77	4.469	4.469	0.000	69	307815	50.0	49.7	
43 2-Butanone (MEK)	43	4.469	4.469	0.000	97	476314	250.0	303.6	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	78	225642	50.0	49.6	
48 Chlorobromomethane	128	4.682	4.682	0.000	85	112861	50.0	49.9	
49 Tetrahydrofuran	42	4.707	4.707	0.000	81	118403	100.0	111.4	
50 Chloroform	83	4.719	4.719	0.000	95	374564	50.0	49.7	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	98	328458	50.0	49.0	
52 Cyclohexane	56	4.889	4.889	0.000	86	275917	50.0	46.9	
54 1,1-Dichloropropene	75	4.980	4.980	0.000	97	286937	50.0	48.8	
55 Carbon tetrachloride	117	4.987	4.987	0.000	98	289814	50.0	48.3	
53 Isobutyl alcohol	43	5.047	5.047	0.000	91	180422	1250.0	1364.2	M
57 Benzene	78	5.163	5.163	0.000	96	797295	50.0	49.4	
58 1,2-Dichloroethane	62	5.199	5.199	0.000	97	296763	50.0	50.7	
59 n-Heptane	43	5.254	5.254	0.000	86	274055	50.0	48.5	
62 Trichloroethene	95	5.686	5.686	0.000	97	213637	50.0	48.7	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	347555	50.0	47.1	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	90	172484	50.0	48.5	
66 1,4-Dioxane	88	6.021	6.021	0.000	91	34418	1000.0	947.9	
67 Dibromomethane	93	6.033	6.033	0.000	95	130505	50.0	50.0	
68 Dichlorobromomethane	83	6.148	6.148	0.000	99	262077	50.0	48.2	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	93	102186	50.0	48.0	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	308994	50.0	47.7	
73 4-Methyl-2-pentanone (MIBK	43	6.623	6.623	0.000	95	931625	250.0	279.2	
74 Toluene	92	6.818	6.818	0.000	98	503685	50.0	46.9	
75 Ethyl methacrylate	69	7.043	7.043	0.000	72	250718	50.0	50.6	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	297525	50.0	50.3	
79 1,1,2-Trichloroethane	83	7.237	7.237	0.000	92	145053	50.0	49.8	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	228307	50.0	48.2	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	303749	50.0	49.7	
80 2-Hexanone	43	7.414	7.414	0.000	94	709401	250.0	296.9	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	195032	50.0	48.2	
84 Ethylene Dibromide	107	7.773	7.773	0.000	99	187157	50.0	49.6	
87 Chlorobenzene	112	8.223	8.223	0.000	95	554331	50.0	47.9	
88 Ethylbenzene	91	8.290	8.290	0.000	98	930814	50.0	47.7	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	93	188796	50.0	48.3	
90 m-Xylene & p-Xylene	106	8.405	8.405	0.000	100	364874	50.0	46.4	
91 o-Xylene	106	8.837	8.837	0.000	97	351275	50.0	47.2	
92 Styrene	104	8.856	8.856	0.000	94	589013	50.0	46.9	
95 Bromoform	173	9.129	9.129	0.000	95	108971	50.0	46.1	
94 Isopropylbenzene	105	9.202	9.202	0.000	96	895163	50.0	46.2	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	98	232751	50.0	50.4	
101 Bromobenzene	156	9.586	9.586	0.000	93	240959	50.0	46.6	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	60	76031	50.0	53.3	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	1086406	50.0	47.1	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	83	78774	50.0	51.0	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	214512	50.0	45.6	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	770948	50.0	46.5	
105 4-Chlorotoluene	126	9.859	9.859	0.000	98	227717	50.0	45.6	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	167221	50.0	45.2	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	782283	50.0	45.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	971438	50.0	46.3	
110 4-Isopropyltoluene	119	10.443	10.443	0.000	96	841138	50.0	46.7	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	450235	50.0	46.8	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	94	455664	50.0	46.9	
115 n-Butylbenzene	91	10.815	10.815	0.000	98	765331	50.0	47.1	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	417953	50.0	46.4	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	84	42593	50.0	47.4	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	285145	50.0	47.5	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	98	165577	50.0	46.6	
121 Naphthalene	128	12.445	12.445	0.000	97	724813	50.0	47.2	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	262550	50.0	47.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00126	Amount Added:	25.00	Units: uL	
8260 CORP mix_00061	Amount Added:	25.00	Units: uL	
F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

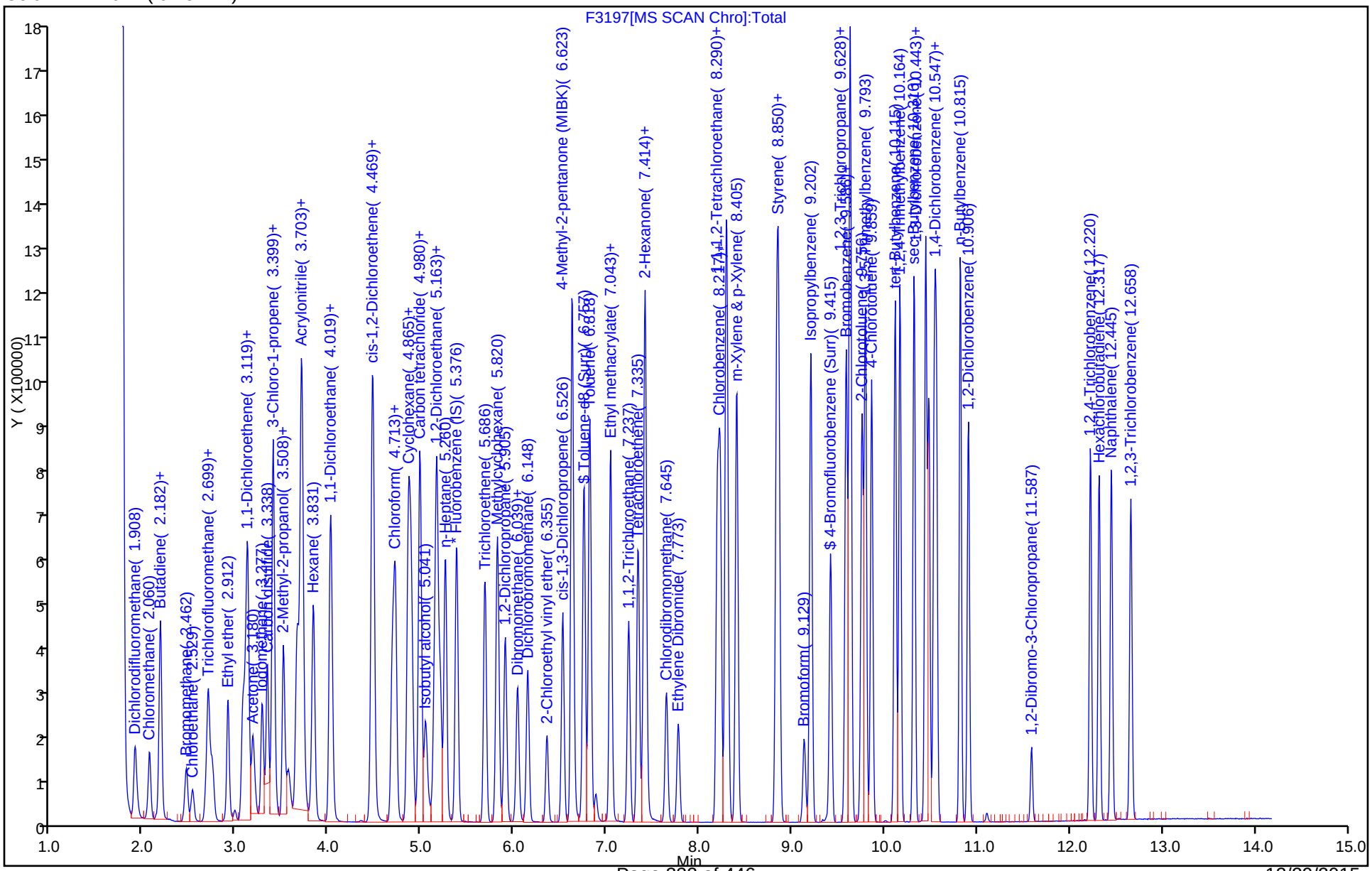
Report Date: 16-Dec-2015 09:37:03 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3197.D

Injection Date:	16-Dec-2015 09:14:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

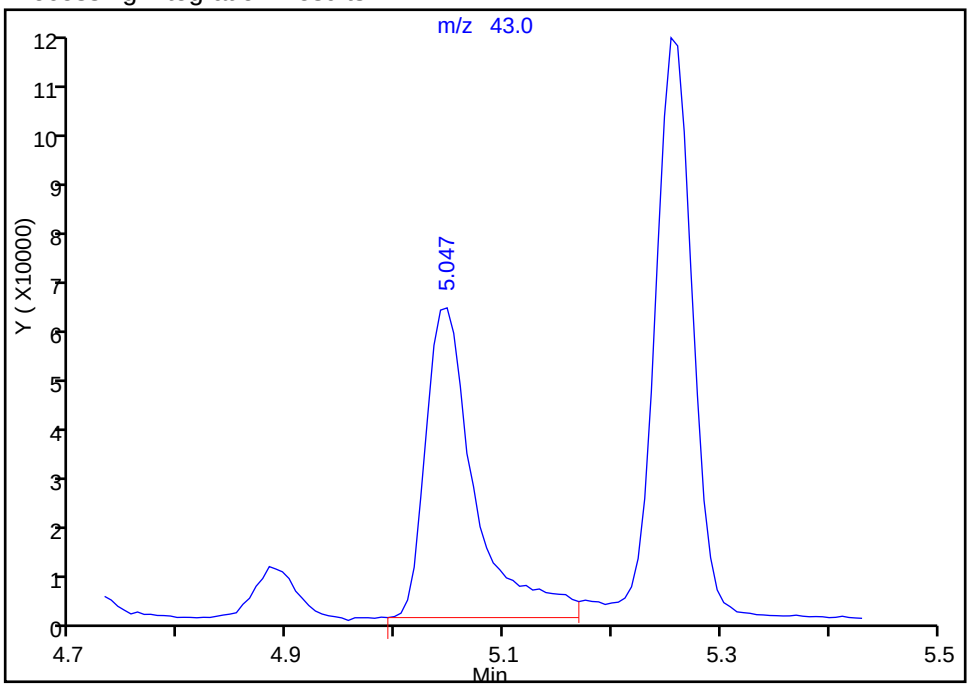
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3197.D
Injection Date: 16-Dec-2015 09:14:30 Instrument ID: HP5973F
Lims ID: CCVIS
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

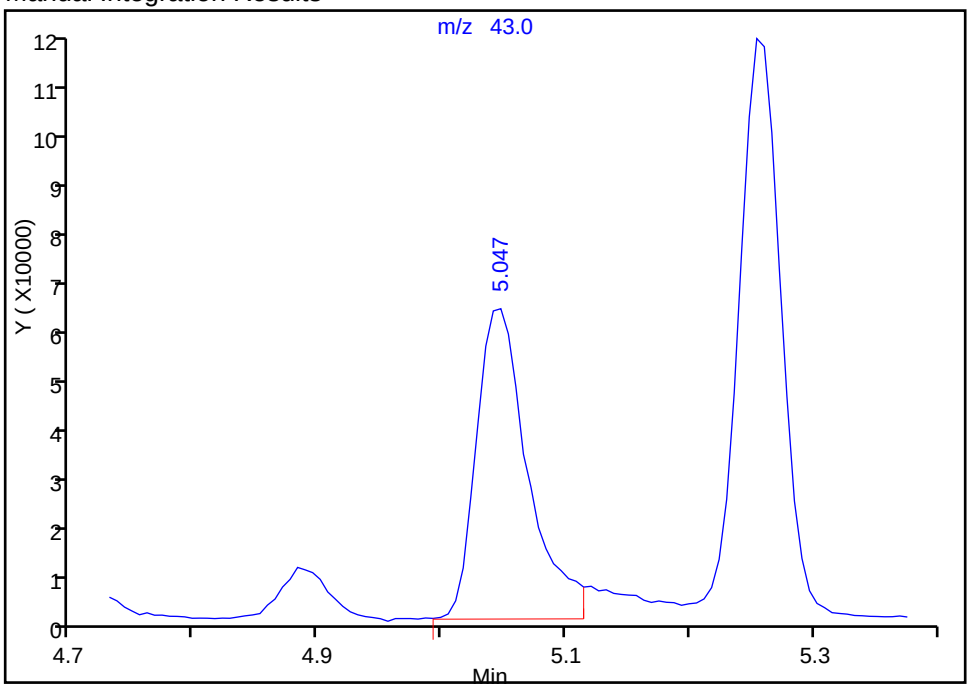
Processing Integration Results

RT: 5.05
Area: 195348
Amount: 1477.0168
Amount Units: ug/kg



Manual Integration Results

RT: 5.05
Area: 180422
Amount: 1364.1621
Amount Units: ug/kg



Reviewer: cwiklinc, 16-Dec-2015 09:37:02
Audit Action: Manually Integrated
Audit Reason: Other

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-280912/3 Calibration Date: 12/21/2015 21:31

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6421.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.235	0.1000	24.0	25.0	-3.9	50.0
Chloromethane	Ave	2.470	1.861	0.1000	18.8	25.0	-24.7*	20.0
Vinyl chloride	Ave	1.328	0.9591	0.1000	18.1	25.0	-27.8*	20.0
Butadiene	Ave	1.607	1.256		19.5	25.0	-21.9*	20.0
Bromomethane	Ave	0.4062	0.3402	0.1000	20.9	25.0	-16.3	50.0
Chloroethane	Lin1		0.4385	0.1000	19.6	25.0	-21.8	50.0
Dichlorofluoromethane	Ave	1.417	1.212		21.4	25.0	-14.5	20.0
Trichlorofluoromethane	Ave	1.194	1.458	0.1000	30.5	25.0	22.1*	20.0
Ethyl ether	Ave	1.443	1.295		22.4	25.0	-10.2	20.0
Acrolein	Ave	0.2790	0.2539		114	125	-9.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.080	0.1000	27.2	25.0	8.7	20.0
1,1-Dichloroethene	Ave	1.124	1.080	0.1000	24.0	25.0	-4.0	20.0
Acetone	Ave	0.4654	0.5855	0.1000	157	125	25.8	50.0
Iodomethane	Ave	1.261	1.479		29.3	25.0	17.3	20.0
Carbon disulfide	Ave	3.229	3.165	0.1000	24.5	25.0	-2.0	20.0
Allyl chloride	Ave	2.327	2.765		29.7	25.0	18.8	20.0
Methyl acetate	Ave	1.200	1.233	0.1000	128	125	2.7	50.0
Methylene Chloride	Lin1		1.102	0.1000	23.7	25.0	-5.3	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1152		232	250	-7.1	50.0
Methyl tert-butyl ether	Ave	3.264	2.911	0.1000	22.3	25.0	-10.8	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.146	0.1000	24.7	25.0	-1.3	20.0
Acrylonitrile	Ave	0.6438	0.6385		248	250	-0.8	20.0
Hexane	Ave	2.616	2.877		27.5	25.0	10.0	20.0
1,1-Dichloroethane	Ave	2.524	2.436	0.2000	24.1	25.0	-3.5	20.0
Vinyl acetate	Ave	3.140	3.400		54.1	50.0	8.3	20.0
2,2-Dichloropropane	Ave	0.8974	1.117		31.1	25.0	24.5*	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.207	0.1000	23.7	25.0	-5.0	20.0
2-Butanone (MEK)	Ave	0.7376	0.7869	0.1000	133	125	6.7	20.0
Chlorobromomethane	Ave	0.6585	0.5615		21.3	25.0	-14.7	20.0
Tetrahydrofuran	Ave	0.5552	0.5142		46.3	50.0	-7.4	20.0
Chloroform	Ave	1.940	1.945	0.2000	25.1	25.0	0.2	20.0
1,1,1-Trichloroethane	Ave	1.393	1.578	0.1000	28.3	25.0	13.2	20.0
Cyclohexane	Ave	3.002	3.147	0.1000	26.2	25.0	4.8	20.0
Carbon tetrachloride	Ave	1.292	1.423	0.1000	27.5	25.0	10.2	20.0
1,1-Dichloropropene	Ave	1.579	1.628		25.8	25.0	3.1	20.0
Benzene	Ave	4.495	4.543	0.5000	25.3	25.0	1.1	20.0
Isobutyl alcohol	Ave	0.0626	0.0600		598	625	-4.3	50.0
1,2-Dichloroethane	Ave	2.039	1.851	0.1000	22.7	25.0	-9.2	20.0
n-Heptane	Ave	2.713	3.169		29.2	25.0	16.8	20.0
Trichloroethene	Ave	1.185	1.176	0.2000	24.8	25.0	-0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-280912/3 Calibration Date: 12/21/2015 21:31

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6421.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.141	0.1000	26.6	25.0	6.5	20.0
1,2-Dichloropropane	Ave	1.396	1.312	0.1000	23.5	25.0	-6.0	20.0
Dibromomethane	Ave	0.6442	0.6286	0.1000	24.4	25.0	-2.4	20.0
1,4-Dioxane	Ave	0.0052	0.0049		471	500	-5.8	50.0
Bromodichloromethane	Ave	1.236	1.263	0.2000	25.5	25.0	2.2	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7633		20.8	25.0	-16.9	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.661	0.2000	23.7	25.0	-5.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7270	0.1000	132	125	5.9	20.0
Toluene	Ave	1.356	1.436	0.4000	26.5	25.0	5.9	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.7254	0.1000	26.1	25.0	4.3	20.0
Ethyl methacrylate	Ave	0.5638	0.5808		25.8	25.0	3.0	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3713	0.1000	24.8	25.0	-1.0	20.0
Tetrachloroethene	Ave	0.6533	0.6831	0.2000	26.1	25.0	4.6	20.0
1,3-Dichloropropane	Ave	0.8099	0.8229		25.4	25.0	1.6	20.0
2-Hexanone	Ave	0.4654	0.5344	0.1000	144	125	14.8	20.0
Dibromochloromethane	Ave	0.4073	0.4203	0.1000	25.8	25.0	3.2	20.0
1,2-Dibromoethane	Ave	0.4436	0.4623		26.1	25.0	4.2	20.0
Chlorobenzene	Ave	1.582	1.563	0.5000	24.7	25.0	-1.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4965		25.7	25.0	2.9	20.0
Ethylbenzene	Ave	2.456	2.680	0.1000	27.3	25.0	9.1	20.0
m,p-Xylene	Ave	1.042	1.045	0.1000	25.1	25.0	0.3	20.0
o-Xylene	Ave	1.016	1.029	0.3000	25.3	25.0	1.2	20.0
Styrene	Ave	1.635	1.683	0.3000	25.7	25.0	2.9	20.0
Bromoform	Ave	0.1896	0.2253	0.1000	29.7	25.0	18.8	50.0
Isopropylbenzene	Ave	2.403	2.876	0.1000	29.9	25.0	19.7	20.0
Bromobenzene	Ave	0.6782	0.6889		25.4	25.0	1.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5886	0.3000	27.7	25.0	10.7	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.2017		26.9	25.0	7.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2553		26.2	25.0	4.7	50.0
N-Propylbenzene	Ave	2.734	3.408		31.2	25.0	24.6*	20.0
2-Chlorotoluene	Ave	0.6001	0.6652		27.7	25.0	10.8	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.462		29.9	25.0	19.5	20.0
4-Chlorotoluene	Ave	0.6495	0.7053		27.1	25.0	8.6	20.0
tert-Butylbenzene	Ave	0.4873	0.5716		29.3	25.0	17.3	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.471		29.3	25.0	17.4	20.0
sec-Butylbenzene	Ave	2.577	3.137		30.4	25.0	21.7*	20.0
1,3-Dichlorobenzene	Ave	1.305	1.393	0.6000	26.7	25.0	6.8	20.0
4-Isopropyltoluene	Ave	2.388	2.690		28.2	25.0	12.7	20.0
1,4-Dichlorobenzene	Ave	1.323	1.398	0.5000	26.4	25.0	5.7	20.0
n-Butylbenzene	Ave	1.918	2.484		32.4	25.0	29.5*	20.0
1,2-Dichlorobenzene	Ave	1.266	1.307	0.4000	25.8	25.0	3.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-280912/3 Calibration Date: 12/21/2015 21:31

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6421.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0917	0.0500	28.6	25.0	14.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.9472	0.2000	25.5	25.0	1.9	20.0
Hexachlorobutadiene	Ave	0.4129	0.4914		29.8	25.0	19.0	20.0
Naphthalene	Ave	2.162	2.089		24.2	25.0	-3.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8894		25.5	25.0	1.8	20.0
Dibromofluoromethane (Surr)	Ave	1.133	1.047		25.1	27.2	-7.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7226		25.3	27.2	-6.8	20.0
Toluene-d8 (Surr)	Ave	2.204	2.261		27.9	27.2	2.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6909		26.6	27.2	-2.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6421.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Dec-2015 21:31:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049466-003
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 08:15:44 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: fortaing Date: 21-Dec-2015 21:56:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	92	102866	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	207957	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	72	195428	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	50	117089	27.2	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	80791	27.2	25.3	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	511109	27.2	27.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	156172	27.2	26.6	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	85	127072	25.0	24.0	
12 Chloromethane	50	1.401	1.401	0.000	89	191440	25.0	18.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	98663	25.0	18.1	
151 Butadiene	54	1.535	1.535	0.000	90	129175	25.0	19.5	
14 Bromomethane	94	1.821	1.821	0.000	90	34990	25.0	20.9	
15 Chloroethane	64	1.912	1.912	0.000	87	45108	25.0	19.6	
16 Dichlorofluoromethane	67	2.131	2.131	0.000	77	124680	25.0	21.4	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	83	149931	25.0	30.5	
18 Ethyl ether	59	2.417	2.417	0.000	97	133262	25.0	22.4	
20 Acrolein	56	2.575	2.575	0.000	97	130596	125.0	113.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.654	2.654	0.000	54	111082	25.0	27.2	
22 1,1-Dichloroethene	96	2.654	2.654	0.000	79	111080	25.0	24.0	
23 Acetone	43	2.733	2.733	0.000	98	301162	125.0	157.3	
25 Iodomethane	142	2.813	2.813	0.000	97	152187	25.0	29.3	
26 Carbon disulfide	76	2.849	2.849	0.000	99	325598	25.0	24.5	
28 3-Chloro-1-propene	41	2.995	2.995	0.000	86	284434	25.0	29.7	
27 Methyl acetate	43	3.038	3.038	0.000	97	633952	125.0	128.4	
30 Methylene Chloride	84	3.159	3.159	0.000	84	113355	25.0	23.7	
31 2-Methyl-2-propanol	59	3.293	3.293	0.000	94	118510	250.0	232.3	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	91	299451	25.0	22.3	
34 trans-1,2-Dichloroethene	96	3.372	3.372	0.000	85	117895	25.0	24.7	
33 Acrylonitrile	53	3.397	3.397	0.000	98	656759	250.0	247.9	
35 Hexane	57	3.591	3.591	0.000	96	295993	25.0	27.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.786	3.786	0.000	86	250555	25.0	24.1	
37 Vinyl acetate	43	3.841	3.841	0.000	97	699433	50.0	54.1	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	87	114945	25.0	31.1	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	75	124183	25.0	23.7	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	92	404740	125.0	133.4	
48 Chlorobromomethane	128	4.571	4.571	0.000	82	57754	25.0	21.3	
49 Tetrahydrofuran	42	4.601	4.601	0.000	94	105782	50.0	46.3	
50 Chloroform	83	4.656	4.656	0.000	82	200049	25.0	25.1	
51 1,1,1-Trichloroethane	97	4.778	4.778	0.000	86	162284	25.0	28.3	
52 Cyclohexane	56	4.808	4.808	0.000	92	323759	25.0	26.2	
55 Carbon tetrachloride	117	4.924	4.924	0.000	78	146376	25.0	27.5	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	167450	25.0	25.8	
57 Benzene	78	5.130	5.130	0.000	92	467326	25.0	25.3	
53 Isobutyl alcohol	43	5.130	5.130	0.000	55	154184	625.0	598.4	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	190409	25.0	22.7	
59 n-Heptane	43	5.337	5.337	0.000	96	326022	25.0	29.2	
62 Trichloroethene	95	5.745	5.745	0.000	90	120978	25.0	24.8	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	220241	25.0	26.6	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	89	134933	25.0	23.5	
67 Dibromomethane	93	6.110	6.110	0.000	89	64658	25.0	24.4	
66 1,4-Dioxane	88	6.122	6.122	0.000	66	20413	500.0	471.2	
68 Dichlorobromomethane	83	6.262	6.262	0.000	88	129868	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	6.548	6.548	0.000	86	78521	25.0	20.8	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	81	170844	25.0	23.7	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	755927	125.0	132.4	
74 Toluene	92	6.980	6.980	0.000	87	298539	25.0	26.5	
77 trans-1,3-Dichloropropene	75	7.248	7.248	0.000	96	150851	25.0	26.1	
75 Ethyl methacrylate	69	7.308	7.308	0.000	87	120771	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.430	7.430	0.000	90	77223	25.0	24.8	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	142063	25.0	26.1	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	92	171124	25.0	25.4	
80 2-Hexanone	43	7.667	7.667	0.000	98	555648	125.0	143.5	
83 Chlorodibromomethane	129	7.832	7.832	0.000	85	87393	25.0	25.8	
84 Ethylene Dibromide	107	7.935	7.935	0.000	96	96134	25.0	26.1	
87 Chlorobenzene	112	8.422	8.422	0.000	89	325030	25.0	24.7	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	37	103259	25.0	25.7	
88 Ethylbenzene	91	8.525	8.525	0.000	98	557286	25.0	27.3	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	217305	25.0	25.1	
91 o-Xylene	106	9.073	9.073	0.000	96	213898	25.0	25.3	
92 Styrene	104	9.097	9.097	0.000	94	349994	25.0	25.7	
95 Bromoform	173	9.328	9.328	0.000	91	46846	25.0	29.7	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	562055	25.0	29.9	
101 Bromobenzene	156	9.797	9.797	0.000	93	134622	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	80	115026	25.0	27.7	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	56	39426	25.0	26.9	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	30	49898	25.0	26.2	
99 N-Propylbenzene	91	9.888	9.888	0.000	96	666059	25.0	31.2	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	129989	25.0	27.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	91	481123	25.0	29.9	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	137825	25.0	27.1	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	111696	25.0	29.3	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	70	482826	25.0	29.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	613001	25.0	30.4	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	97	272300	25.0	26.7	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	93	525684	25.0	28.2	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	93	273272	25.0	26.4	
115 n-Butylbenzene	91	11.117	11.117	0.000	95	485527	25.0	32.4	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	92	255334	25.0	25.8	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	54	17921	25.0	28.6	
119 1,2,4-Trichlorobenzene	180	12.565	12.565	0.000	93	185099	25.0	25.5	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	92	96036	25.0	29.8	
121 Naphthalene	128	12.771	12.771	0.000	97	408337	25.0	24.2	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	94	173822	25.0	25.5	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

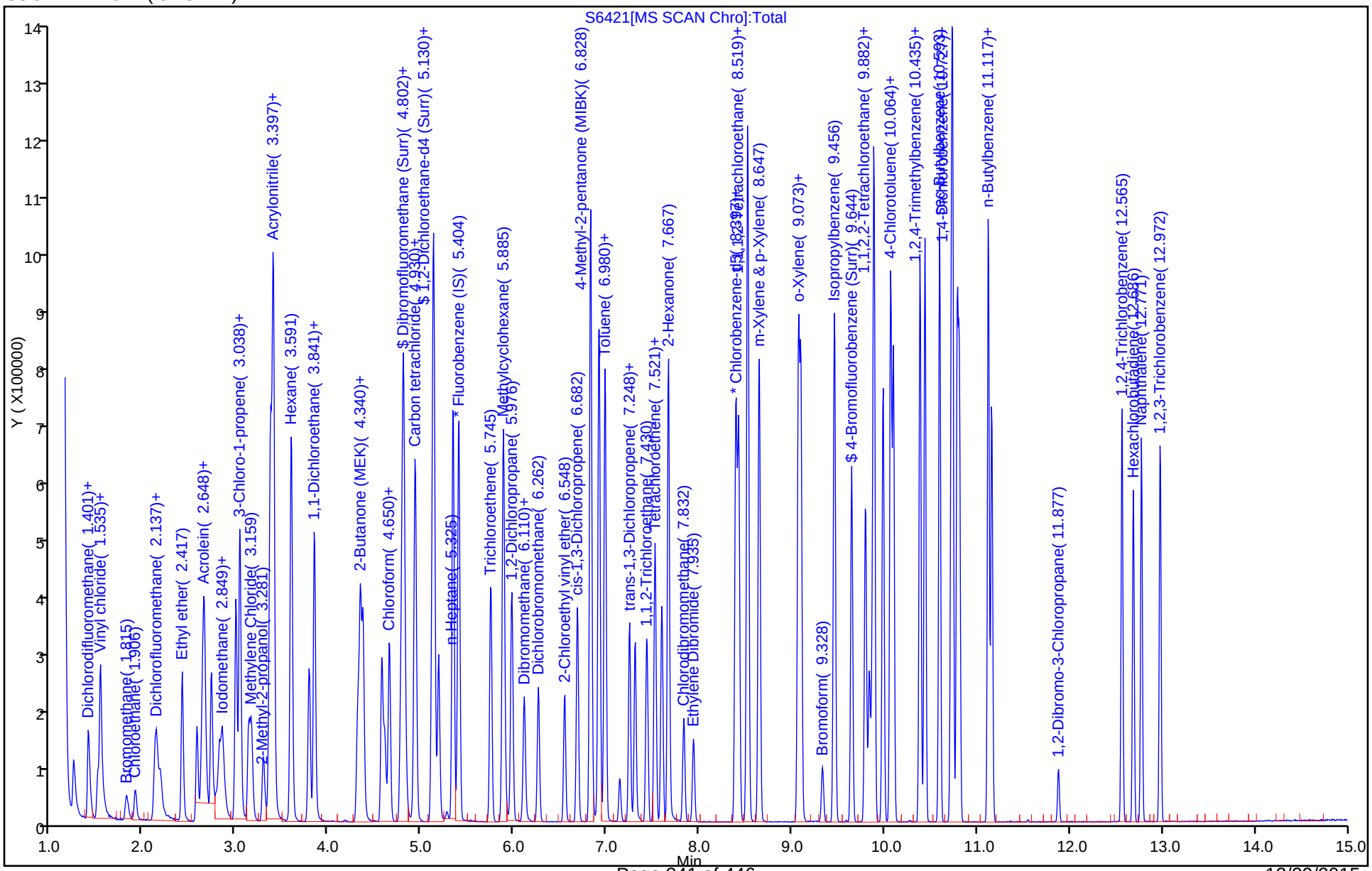
Report Date: 22-Dec-2015 08:15:45 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6421.D

Injection Date:	21-Dec-2015 21:31:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.041	0.1000	20.2	25.0	-19.0	50.0
Chloromethane	Ave	2.470	1.758	0.1000	17.8	25.0	-28.8*	20.0
Vinyl chloride	Ave	1.328	1.004	0.1000	18.9	25.0	-24.5*	20.0
Butadiene	Ave	1.607	1.346		20.9	25.0	-16.3	20.0
Bromomethane	Ave	0.4062	0.3750	0.1000	23.1	25.0	-7.7	50.0
Chloroethane	Lin1		0.5043	0.1000	22.5	25.0	-9.9	50.0
Dichlorofluoromethane	Ave	1.417	1.285		22.7	25.0	-9.3	20.0
Trichlorofluoromethane	Ave	1.194	1.300	0.1000	27.2	25.0	9.0	20.0
Ethyl ether	Ave	1.443	1.271		22.0	25.0	-12.0	20.0
Acrolein	Ave	0.2790	0.2482		111	125	-11.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.006	0.1000	25.3	25.0	1.3	20.0
1,1-Dichloroethene	Ave	1.124	0.9813	0.1000	21.8	25.0	-12.7	20.0
Acetone	Ave	0.4654	0.5648	0.1000	152	125	21.4	50.0
Iodomethane	Ave	1.261	1.376		27.3	25.0	9.1	20.0
Carbon disulfide	Ave	3.229	2.842	0.1000	22.0	25.0	-12.0	20.0
Allyl chloride	Ave	2.327	2.437		26.2	25.0	4.7	20.0
Methyl acetate	Ave	1.200	1.168	0.1000	122	125	-2.6	50.0
Methylene Chloride	Lin1		0.9945	0.1000	21.3	25.0	-14.8	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1320		266	250	6.5	50.0
Methyl tert-butyl ether	Ave	3.264	2.797	0.1000	21.4	25.0	-14.3	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.005	0.1000	21.6	25.0	-13.4	20.0
Acrylonitrile	Ave	0.6438	0.6257		243	250	-2.8	20.0
Hexane	Ave	2.616	2.643		25.3	25.0	1.0	20.0
1,1-Dichloroethane	Ave	2.524	2.260	0.2000	22.4	25.0	-10.5	20.0
Vinyl acetate	Ave	3.140	3.049		48.6	50.0	-2.9	20.0
2,2-Dichloropropane	Ave	0.8974	1.028		28.6	25.0	14.5	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.101	0.1000	21.6	25.0	-13.4	20.0
2-Butanone (MEK)	Ave	0.7376	0.7773	0.1000	132	125	5.4	20.0
Chlorobromomethane	Ave	0.6585	0.4919		18.7	25.0	-25.3*	20.0
Tetrahydrofuran	Ave	0.5552	0.4916		44.3	50.0	-11.4	20.0
Chloroform	Ave	1.940	1.727	0.2000	22.3	25.0	-11.0	20.0
1,1,1-Trichloroethane	Ave	1.393	1.398	0.1000	25.1	25.0	0.3	20.0
Cyclohexane	Ave	3.002	2.963	0.1000	24.7	25.0	-1.3	20.0
Carbon tetrachloride	Ave	1.292	1.204	0.1000	23.3	25.0	-6.8	20.0
1,1-Dichloropropene	Ave	1.579	1.479		23.4	25.0	-6.3	20.0
Isobutyl alcohol	Ave	0.0626	0.0665		664	625	6.2	50.0
Benzene	Ave	4.495	4.106	0.5000	22.8	25.0	-8.7	20.0
1,2-Dichloroethane	Ave	2.039	1.672	0.1000	20.5	25.0	-18.0	20.0
n-Heptane	Ave	2.713	2.779		25.6	25.0	2.4	20.0
Trichloroethene	Ave	1.185	1.057	0.2000	22.3	25.0	-10.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.000	0.1000	24.9	25.0	-0.5	20.0
1,2-Dichloropropane	Ave	1.396	1.224	0.1000	21.9	25.0	-12.3	20.0
Dibromomethane	Ave	0.6442	0.5605	0.1000	21.8	25.0	-13.0	20.0
1,4-Dioxane	Ave	0.0052	0.0052		502	500	0.3	50.0
Bromodichloromethane	Ave	1.236	1.120	0.2000	22.7	25.0	-9.4	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7405		20.1	25.0	-19.4	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.513	0.2000	21.6	25.0	-13.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7280	0.1000	133	125	6.1	20.0
Toluene	Ave	1.356	1.334	0.4000	24.6	25.0	-1.6	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.6768	0.1000	24.3	25.0	-2.7	20.0
Ethyl methacrylate	Ave	0.5638	0.5978		26.5	25.0	6.0	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3493	0.1000	23.3	25.0	-6.9	20.0
Tetrachloroethene	Ave	0.6533	0.6098	0.2000	23.3	25.0	-6.7	20.0
1,3-Dichloropropane	Ave	0.8099	0.7756		23.9	25.0	-4.2	20.0
2-Hexanone	Ave	0.4654	0.5419	0.1000	146	125	16.4	20.0
Dibromochloromethane	Ave	0.4073	0.3629	0.1000	22.3	25.0	-10.9	20.0
1,2-Dibromoethane	Ave	0.4436	0.4149		23.4	25.0	-6.5	20.0
Chlorobenzene	Ave	1.582	1.436	0.5000	22.7	25.0	-9.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4409		22.8	25.0	-8.6	20.0
Ethylbenzene	Ave	2.456	2.505	0.1000	25.5	25.0	2.0	20.0
m,p-Xylene	Ave	1.042	0.9775	0.1000	23.5	25.0	-6.2	20.0
o-Xylene	Ave	1.016	0.9549	0.3000	23.5	25.0	-6.0	20.0
Styrene	Ave	1.635	1.562	0.3000	23.9	25.0	-4.5	20.0
Bromoform	Ave	0.1896	0.1898	0.1000	25.0	25.0	0.1	50.0
Isopropylbenzene	Ave	2.403	2.669	0.1000	27.8	25.0	11.1	20.0
Bromobenzene	Ave	0.6782	0.6237		23.0	25.0	-8.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5628	0.3000	26.5	25.0	5.8	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.1824		24.3	25.0	-2.6	20.0
N-Propylbenzene	Ave	2.734	3.179		29.1	25.0	16.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2327		23.9	25.0	-4.5	50.0
2-Chlorotoluene	Ave	0.6001	0.5983		24.9	25.0	-0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.307		28.0	25.0	12.0	20.0
4-Chlorotoluene	Ave	0.6495	0.6386		24.6	25.0	-1.7	20.0
tert-Butylbenzene	Ave	0.4873	0.5481		28.1	25.0	12.5	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.304		27.4	25.0	9.4	20.0
sec-Butylbenzene	Ave	2.577	2.947		28.6	25.0	14.4	20.0
1,3-Dichlorobenzene	Ave	1.305	1.263	0.6000	24.2	25.0	-3.3	20.0
4-Isopropyltoluene	Ave	2.388	2.509		26.3	25.0	5.1	20.0
1,4-Dichlorobenzene	Ave	1.323	1.285	0.5000	24.3	25.0	-2.9	20.0
n-Butylbenzene	Ave	1.918	2.272		29.6	25.0	18.5	20.0
1,2-Dichlorobenzene	Ave	1.266	1.193	0.4000	23.6	25.0	-5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0901	0.0500	28.1	25.0	12.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.8917	0.2000	24.0	25.0	-4.1	20.0
Hexachlorobutadiene	Ave	0.4129	0.4280		25.9	25.0	3.7	20.0
Naphthalene	Ave	2.162	2.002		23.2	25.0	-7.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8119		23.2	25.0	-7.1	20.0
Dibromofluoromethane (Surr)	Ave	1.133	0.9684		23.2	27.2	-14.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.6944		24.3	27.2	-10.4	20.0
Toluene-d8 (Surr)	Ave	2.204	2.177		26.8	27.2	-1.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6651		25.6	27.2	-5.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6453.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Dec-2015 10:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049479-003
Operator ID: gtg Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 17:41:47 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: goliszekg Date: 22-Dec-2015 16:36:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	96	120897	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	239453	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	73	225285	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	50	127252	27.2	23.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	91253	27.2	24.3	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	84	566595	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	173116	27.2	25.6	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	84	125865	25.0	20.2	
12 Chloromethane	50	1.401	1.401	0.000	89	212573	25.0	17.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	121323	25.0	18.9	
151 Butadiene	54	1.535	1.535	0.000	87	162689	25.0	20.9	
14 Bromomethane	94	1.815	1.815	0.000	90	45340	25.0	23.1	
15 Chloroethane	64	1.912	1.912	0.000	89	60973	25.0	22.5	
16 Dichlorofluoromethane	67	2.125	2.125	0.000	77	155410	25.0	22.7	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	82	157207	25.0	27.2	
18 Ethyl ether	59	2.417	2.417	0.000	95	153601	25.0	22.0	
20 Acrolein	56	2.575	2.575	0.000	96	150026	125.0	111.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.648	2.648	0.000	53	121654	25.0	25.3	
22 1,1-Dichloroethene	96	2.648	2.648	0.000	78	118635	25.0	21.8	
23 Acetone	43	2.734	2.734	0.000	98	341420	125.0	151.7	
25 Iodomethane	142	2.813	2.813	0.000	97	166302	25.0	27.3	
26 Carbon disulfide	76	2.849	2.849	0.000	98	343599	25.0	22.0	
28 3-Chloro-1-propene	41	3.001	3.001	0.000	86	294647	25.0	26.2	
27 Methyl acetate	43	3.044	3.044	0.000	97	706147	125.0	121.7	
30 Methylene Chloride	84	3.141	3.141	0.000	82	120226	25.0	21.3	
31 2-Methyl-2-propanol	59	3.293	3.293	0.000	96	159576	250.0	266.1	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	93	338160	25.0	21.4	
34 trans-1,2-Dichloroethene	96	3.378	3.378	0.000	88	121517	25.0	21.6	
33 Acrylonitrile	53	3.403	3.403	0.000	99	756419	250.0	242.9	
35 Hexane	57	3.597	3.597	0.000	94	319578	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.786	3.786	0.000	85	273191	25.0	22.4	
37 Vinyl acetate	43	3.847	3.847	0.000	97	737300	50.0	48.6	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	90	124277	25.0	28.6	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	75	133068	25.0	21.6	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	92	469882	125.0	131.7	
48 Chlorobromomethane	128	4.577	4.577	0.000	82	59464	25.0	18.7	
49 Tetrahydrofuran	42	4.601	4.601	0.000	93	118876	50.0	44.3	
50 Chloroform	83	4.656	4.656	0.000	83	208789	25.0	22.3	
51 1,1,1-Trichloroethane	97	4.784	4.784	0.000	88	169013	25.0	25.1	
52 Cyclohexane	56	4.808	4.808	0.000	92	358227	25.0	24.7	
55 Carbon tetrachloride	117	4.930	4.930	0.000	65	145539	25.0	23.3	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	178851	25.0	23.4	
53 Isobutyl alcohol	43	5.130	5.130	0.000	61	201059	625.0	663.9	
57 Benzene	78	5.137	5.137	0.000	95	496404	25.0	22.8	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	202136	25.0	20.5	
59 n-Heptane	43	5.343	5.343	0.000	95	336000	25.0	25.6	
62 Trichloroethene	95	5.751	5.751	0.000	88	127783	25.0	22.3	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	241765	25.0	24.9	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	90	147994	25.0	21.9	
67 Dibromomethane	93	6.110	6.110	0.000	89	67765	25.0	21.8	
66 1,4-Dioxane	88	6.116	6.116	0.000	44	25020	500.0	501.6	
68 Dichlorobromomethane	83	6.262	6.262	0.000	89	135413	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	6.542	6.542	0.000	87	89521	25.0	20.1	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	82	182880	25.0	21.6	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	97	871596	125.0	132.6	
74 Toluene	92	6.980	6.980	0.000	88	319444	25.0	24.6	
77 trans-1,3-Dichloropropene	75	7.248	7.248	0.000	94	162059	25.0	24.3	
75 Ethyl methacrylate	69	7.308	7.308	0.000	88	143136	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	90	83638	25.0	23.3	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	146025	25.0	23.3	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	95	185727	25.0	23.9	
80 2-Hexanone	43	7.667	7.667	0.000	99	648764	125.0	145.6	
83 Chlorodibromomethane	129	7.832	7.832	0.000	85	86900	25.0	22.3	
84 Ethylene Dibromide	107	7.941	7.941	0.000	97	99358	25.0	23.4	
87 Chlorobenzene	112	8.422	8.422	0.000	89	343959	25.0	22.7	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	39	105566	25.0	22.8	
88 Ethylbenzene	91	8.525	8.525	0.000	98	599905	25.0	25.5	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	234072	25.0	23.5	
91 o-Xylene	106	9.073	9.073	0.000	97	228647	25.0	23.5	
92 Styrene	104	9.097	9.097	0.000	94	373944	25.0	23.9	
95 Bromoform	173	9.334	9.334	0.000	93	45441	25.0	25.0	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	601228	25.0	27.8	
101 Bromobenzene	156	9.797	9.797	0.000	94	140503	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	79	126783	25.0	26.5	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	59	41099	25.0	24.3	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	24	52424	25.0	23.9	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	716273	25.0	29.1	
103 2-Chlorotoluene	126	9.985	9.985	0.000	93	134795	25.0	24.9	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	90	519715	25.0	28.0	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	143855	25.0	24.6	
106 tert-Butylbenzene	134	10.381	10.381	0.000	87	123483	25.0	28.1	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	69	518988	25.0	27.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	663871	25.0	28.6	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	284483	25.0	24.2	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	94	565158	25.0	26.3	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	90	289433	25.0	24.3	
115 n-Butylbenzene	91	11.117	11.117	0.000	95	511939	25.0	29.6	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	91	268704	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	54	20294	25.0	28.1	
119 1,2,4-Trichlorobenzene	180	12.565	12.565	0.000	93	200884	25.0	24.0	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	96420	25.0	25.9	
121 Naphthalene	128	12.771	12.771	0.000	97	451036	25.0	23.2	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	95	182898	25.0	23.2	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

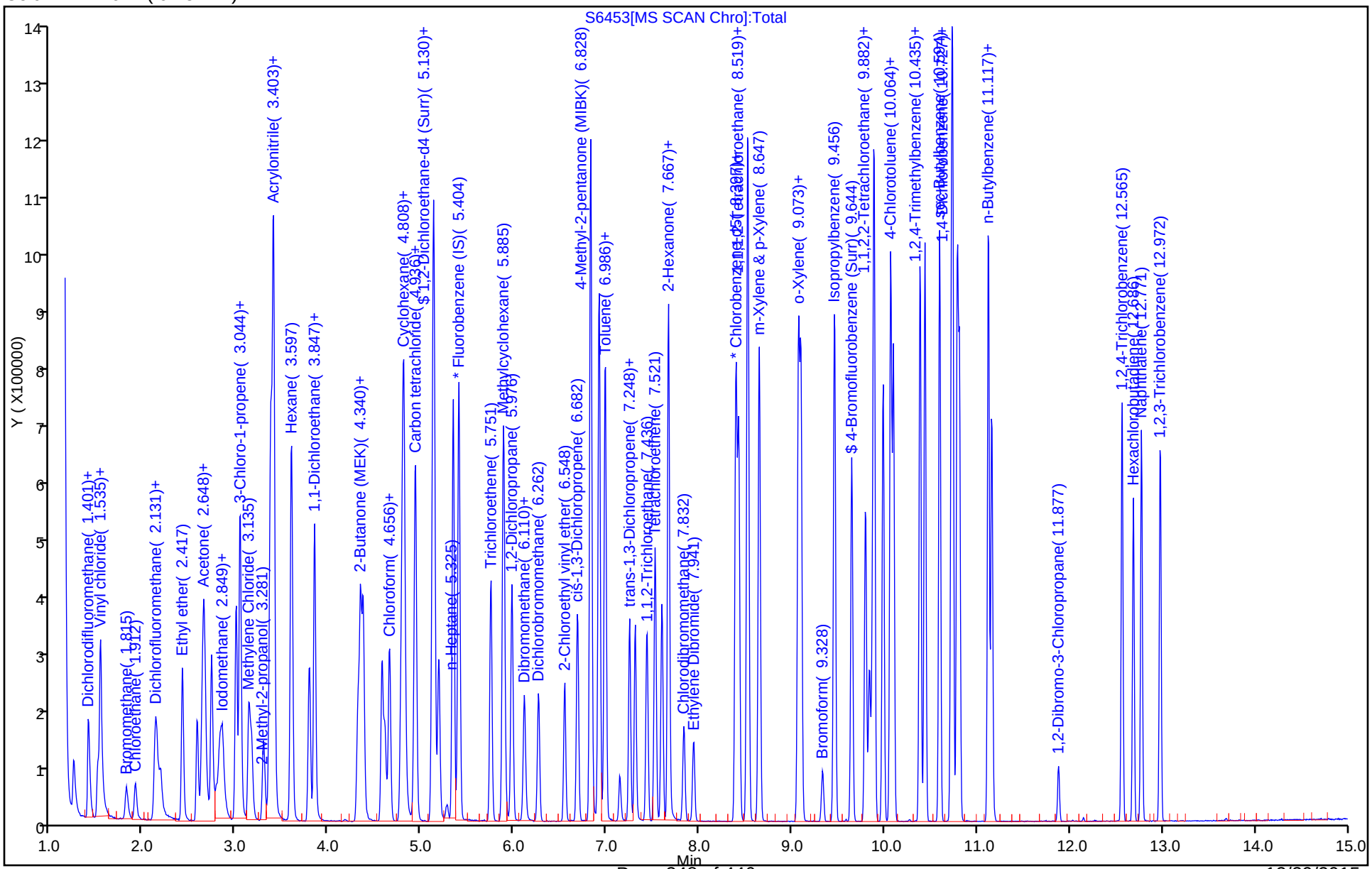
Report Date: 22-Dec-2015 17:41:48 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6453.D

Injection Date:	22-Dec-2015 10:55:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Dec-2015 13:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049159-002
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:07 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:02:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.490	9.490	0.000	0	220977	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

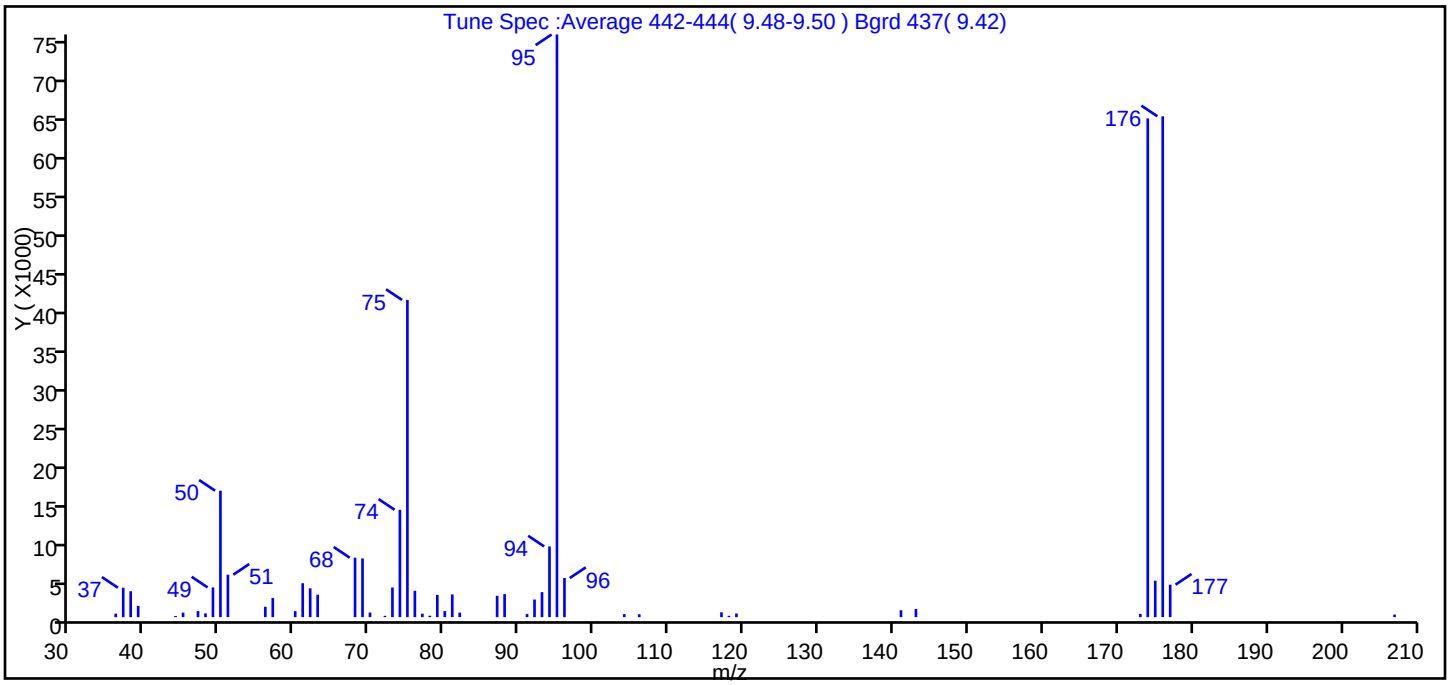
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D
Injection Date: 11-Dec-2015 13:23:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.7
75	30 to 60% of m/z 95	54.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	85.6
175	5 to 9% of m/z 174	6.3 (7.3)
176	Greater than 95% but less than 101% of m/z 174	86.0 (100.4)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D\C-8260.rslt\spectra.d
Injection Date: 11-Dec-2015 13:23:30
Spectrum: Tune Spec :Average 442-444(9.48-9.50) Bgrd 437(9.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	779	79.00	2898	117.00	629
37.00	3834	61.00	4420	80.00	791	118.00	173
38.00	3376	62.00	3756	81.00	2960	119.00	475
39.00	1473	63.00	2926	82.00	594	141.00	898
40.00	14	68.00	7749	87.00	2786	143.00	1068
44.00	152	69.00	7650	88.00	3002	173.00	421
45.00	586	70.00	601	91.00	423	174.00	64992
47.00	794	72.00	171	92.00	2296	175.00	4752
48.00	493	73.00	3864	93.00	3256	176.00	65272
49.00	3872	74.00	13995	94.00	9214	177.00	4234
50.00	16480	75.00	41336	95.00	75936	207.00	332
51.00	5531	76.00	3441	96.00	5097		
56.00	1356	77.00	450	104.00	394		
57.00	2498	78.00	184	106.00	380		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60017.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Dec-2015 22:33:30 ALS Bottle#: 27 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0049508-001
Operator ID: SO Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 22:42:48 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: o'briens Date: 22-Dec-2015 22:42:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.466	9.466	0.000	0	213943	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

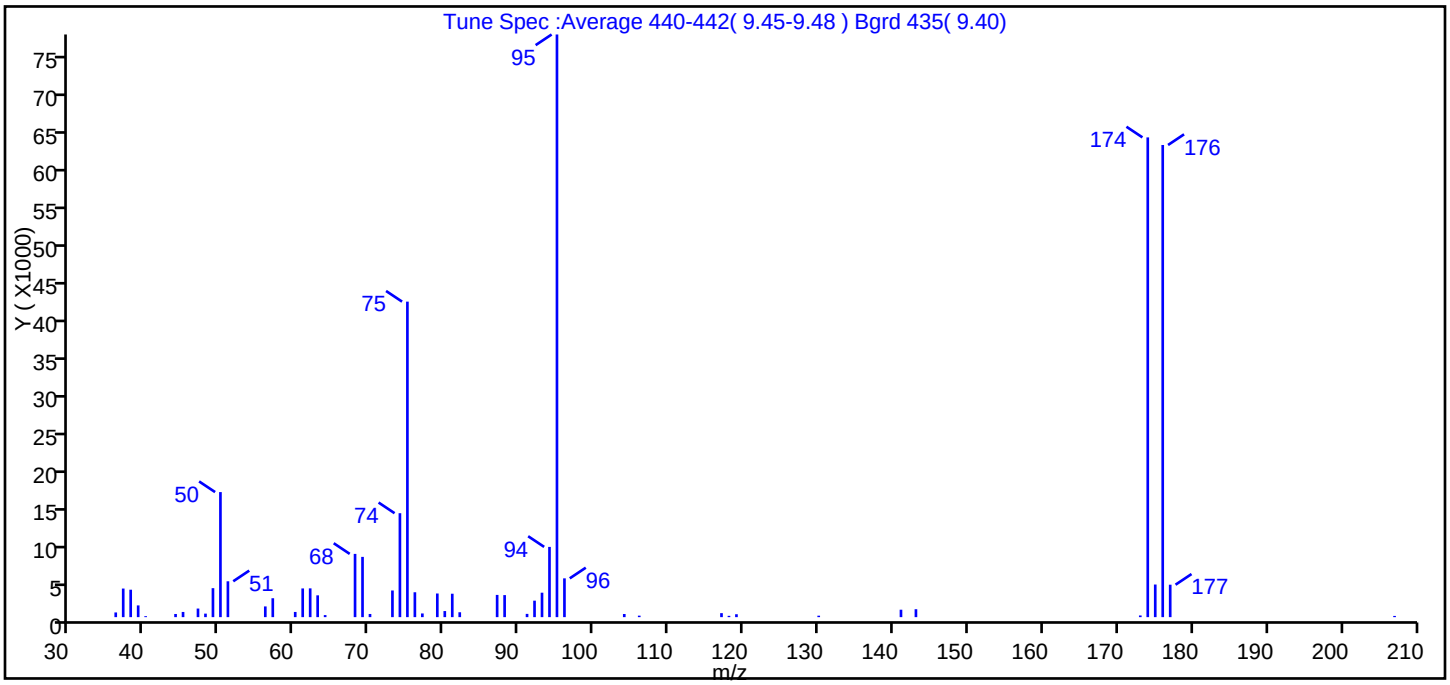
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60017.D
Injection Date: 22-Dec-2015 22:33:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 27 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.5
75	30 to 60% of m/z 95	54.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	82.3
175	5 to 9% of m/z 174	5.6 (6.8)
176	Greater than 95% but less than 101% of m/z 174	81.0 (98.4)
177	5 to 9% of m/z 176	5.6 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60017.D\C-8260.rslt\spectra.d
Injection Date: 22-Dec-2015 22:33:30
Spectrum: Tune Spec :Average 440-442(9.45-9.48) Bgrd 435(9.40)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	628	60.00	695	80.00	813	118.00	175
37.00	3823	61.00	3838	81.00	3132	119.00	390
38.00	3668	62.00	3847	82.00	654	130.00	194
39.00	1569	63.00	2916	87.00	2972	141.00	994
40.00	129	64.00	274	88.00	2947	143.00	1060
44.00	423	68.00	8457	91.00	436	173.00	223
45.00	694	69.00	8057	92.00	2203	174.00	64144
47.00	1149	70.00	424	93.00	3270	175.00	4362
48.00	470	73.00	3564	94.00	9392	176.00	63128
49.00	3874	74.00	13897	95.00	77904	177.00	4337
50.00	16720	75.00	42184	96.00	5187	207.00	162
51.00	4795	76.00	3327	104.00	420		
56.00	1433	77.00	494	106.00	199		
57.00	2528	79.00	3161	117.00	535		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2994.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-Dec-2015 15:34:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049053-002				
Operator ID:	CDC	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Dec-2015 13:49:01	Calib Date:	08-Dec-2015 22:31:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK051				
First Level Reviewer: diasn		Date:	10-Dec-2015 19:44:03		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.540	5.540	0.000	0	73199	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

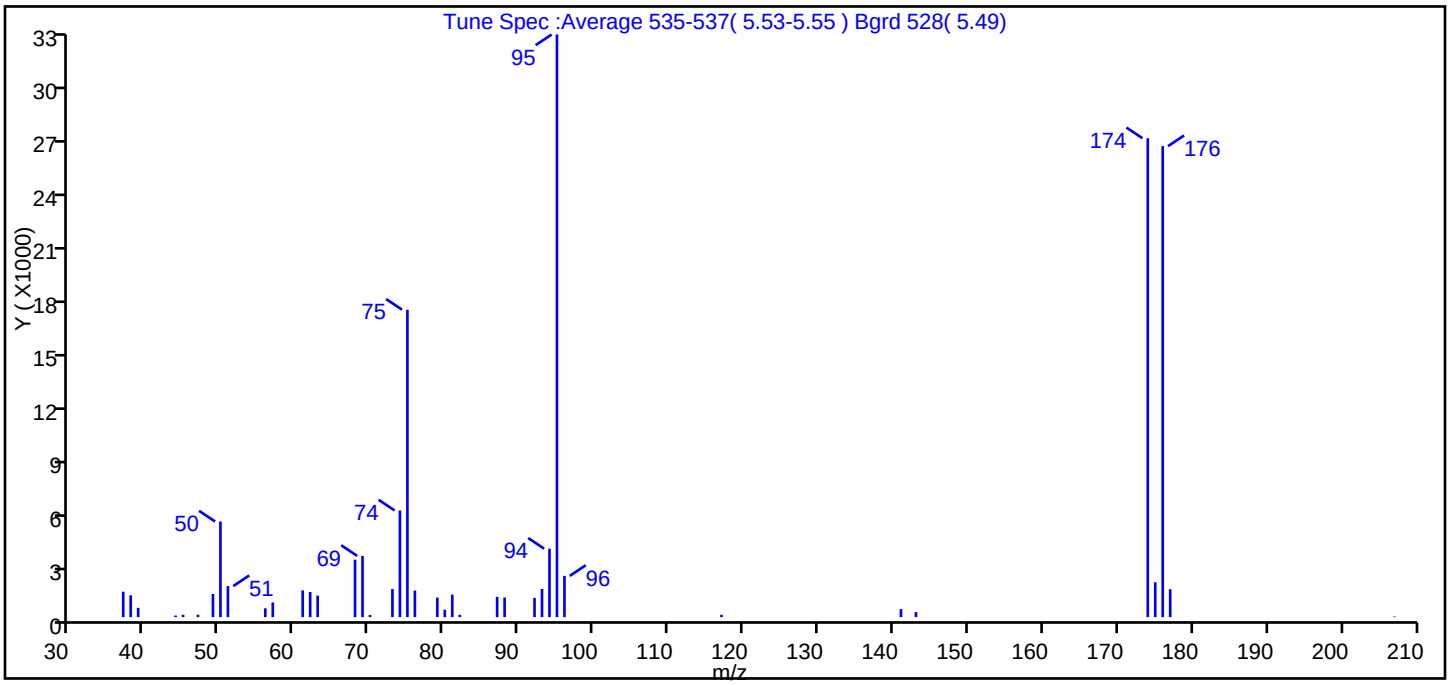
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2994.D
Injection Date: 08-Dec-2015 15:34:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.4
75	30 to 60% of m/z 95	52.8
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.2
175	5 to 9% of m/z 174	6.0 (7.3)
176	Greater than 95% but less than 101% of m/z 174	80.8 (98.3)
177	5 to 9% of m/z 176	4.8 (5.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F2994.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 08-Dec-2015 15:34:30
Spectrum: Tune Spec :Average 535-537(5.53-5.55) Bgrd 528(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1414	57.00	814	76.00	1478	95.00	32352
38.00	1211	61.00	1486	79.00	1085	96.00	2290
39.00	517	62.00	1395	80.00	413	117.00	130
44.00	90	63.00	1196	81.00	1250	141.00	446
45.00	130	68.00	3191	82.00	132	143.00	281
47.00	133	69.00	3400	87.00	1128	174.00	26592
49.00	1288	70.00	124	88.00	1090	175.00	1935
50.00	5310	73.00	1560	92.00	1069	176.00	26152
51.00	1724	74.00	5925	93.00	1564	177.00	1549
56.00	490	75.00	17072	94.00	3801	207.00	34

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3148.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Dec-2015 09:21:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049231-001
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 09:29:12 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 09:29:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.540	5.540	0.000	0	87707	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

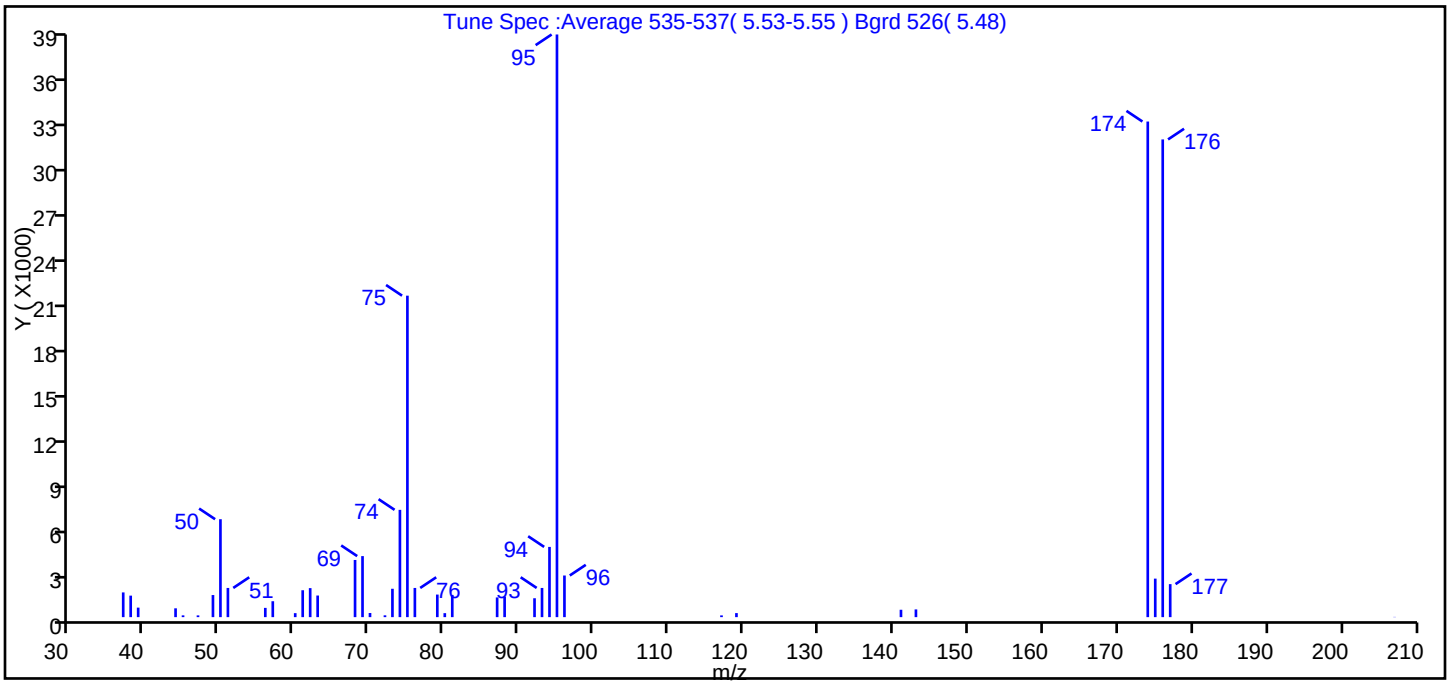
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3148.D
Injection Date: 15-Dec-2015 09:21:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.8
75	30 to 60% of m/z 95	55.2
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	85.1
175	5 to 9% of m/z 174	6.6 (7.8)
176	Greater than 95% but less than 101% of m/z 174	82.0 (96.4)
177	5 to 9% of m/z 176	5.7 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3148.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 15-Dec-2015 09:21:30
Spectrum: Tune Spec :Average 535-537(5.53-5.55) Bgrd 526(5.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1647	60.00	266	76.00	1945	117.00	117
38.00	1433	61.00	1792	79.00	1504	119.00	270
39.00	634	62.00	1933	80.00	266	141.00	492
44.00	588	63.00	1440	81.00	1480	143.00	515
45.00	119	68.00	3809	87.00	1313	174.00	33016
47.00	117	69.00	4066	88.00	1367	175.00	2566
49.00	1472	70.00	276	92.00	1259	176.00	31824
50.00	6524	72.00	121	93.00	1945	177.00	2199
51.00	1945	73.00	1890	94.00	4679	207.00	15
56.00	617	74.00	7148	95.00	38816		
57.00	1060	75.00	21416	96.00	2774		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3196.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Dec-2015 08:49:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049277-002
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 08:56:48 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 08:56:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.540	5.540	0.000	0	33220	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

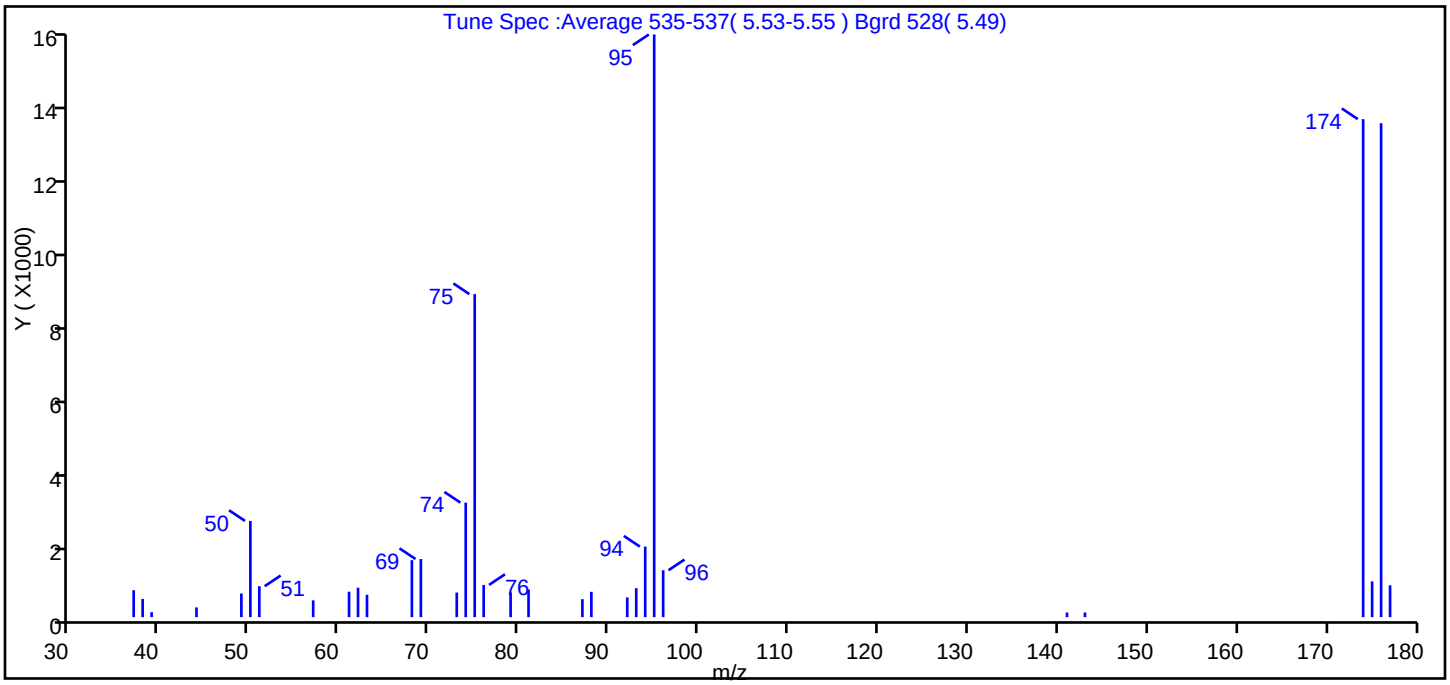
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3196.D
Injection Date: 16-Dec-2015 08:49:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.5
75	30 to 60% of m/z 95	55.4
96	5 to 9% of m/z 95	8.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	85.5
175	5 to 9% of m/z 174	6.1 (7.2)
176	Greater than 95% but less than 101% of m/z 174	84.8 (99.2)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3196.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 16-Dec-2015 08:49:30
Spectrum: Tune Spec :Average 535-537(5.53-5.55) Bgrd 528(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	702	61.00	663	76.00	840	95.00	15182
38.00	475	62.00	767	79.00	645	96.00	1222
39.00	129	63.00	583	81.00	720	141.00	121
44.00	254	68.00	1485	87.00	468	143.00	123
49.00	616	69.00	1514	88.00	660	174.00	12976
50.00	2507	73.00	641	92.00	514	175.00	932
51.00	806	74.00	2984	93.00	753	176.00	12871
57.00	437	75.00	8417	94.00	1838	177.00	829

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	07-Dec-2015 13:03:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049002-003				
Operator ID:	LH	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	07-Dec-2015 19:46:17	Calib Date:	07-Dec-2015 19:11:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5808.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: HillL		Date:	07-Dec-2015 13:34:18		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.923	3.923	0.000	0	179086	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

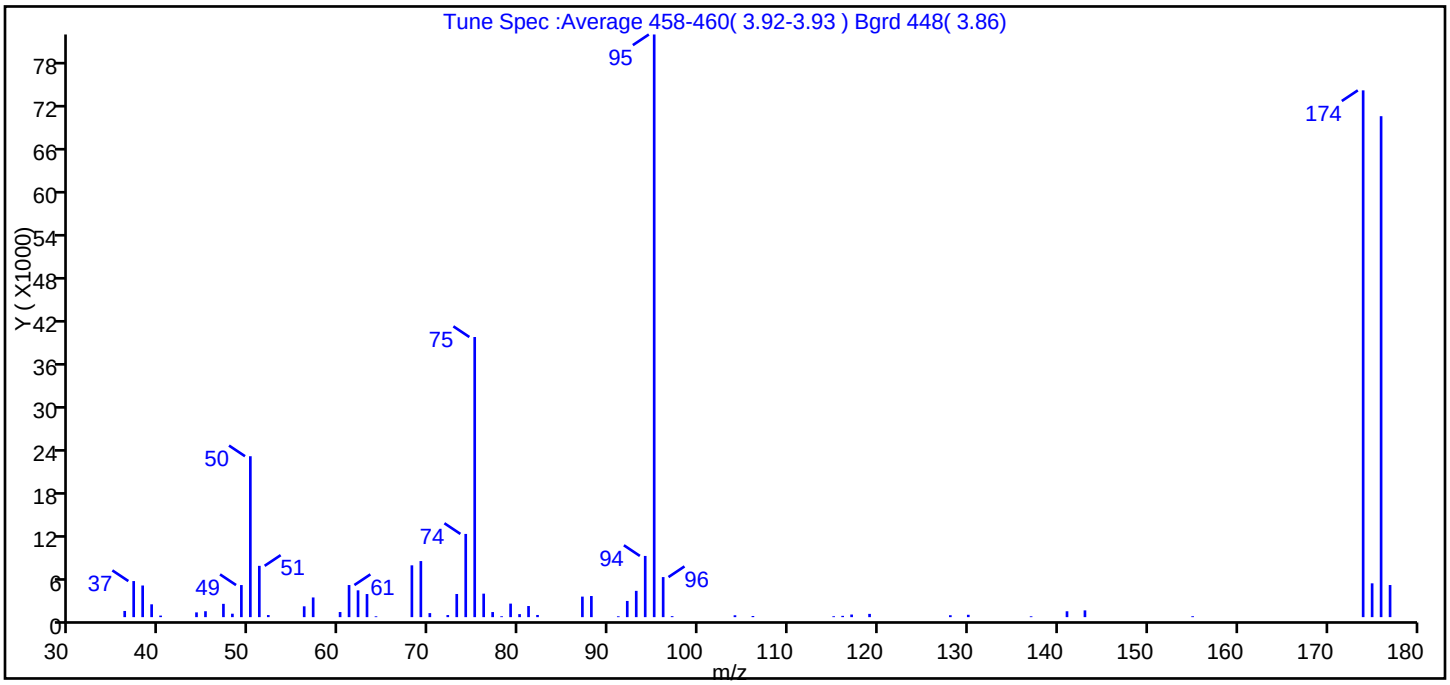
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D
Injection Date: 07-Dec-2015 13:03:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.6
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	5.8 (6.4)
176	Greater than 95% but less than 101% of m/z 174	86.0 (95.1)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D\S-8260.rslt\spectra.d
Injection Date: 07-Dec-2015 13:03:30
Spectrum: Tune Spec :Average 458-460(3.92-3.93) Bgrd 448(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	870	60.00	719	79.00	1902	115.00	126
37.00	5072	61.00	4513	80.00	427	116.00	181
38.00	4449	62.00	3770	81.00	1564	117.00	368
39.00	1805	63.00	3250	82.00	305	119.00	458
40.00	220	64.00	119	87.00	2887	128.00	268
44.00	670	68.00	7284	88.00	2969	130.00	332
45.00	831	69.00	7884	91.00	119	137.00	117
47.00	1871	70.00	568	92.00	2277	141.00	828
48.00	485	72.00	294	93.00	3697	143.00	951
49.00	4511	73.00	3256	94.00	8605	155.00	129
50.00	22624	74.00	11700	95.00	81920	174.00	74064
51.00	7214	75.00	39384	96.00	5633	175.00	4754
52.00	294	76.00	3304	97.00	138	176.00	70432
56.00	1522	77.00	717	104.00	263	177.00	4516
57.00	2768	78.00	121	106.00	159		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6420.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Dec-2015 21:02:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049466-002				
Operator ID:	GF	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	22-Dec-2015 10:32:23	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK004				
First Level Reviewer: goliszekg		Date:	22-Dec-2015 10:32:22		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.909	3.909	0.000	0	154282	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

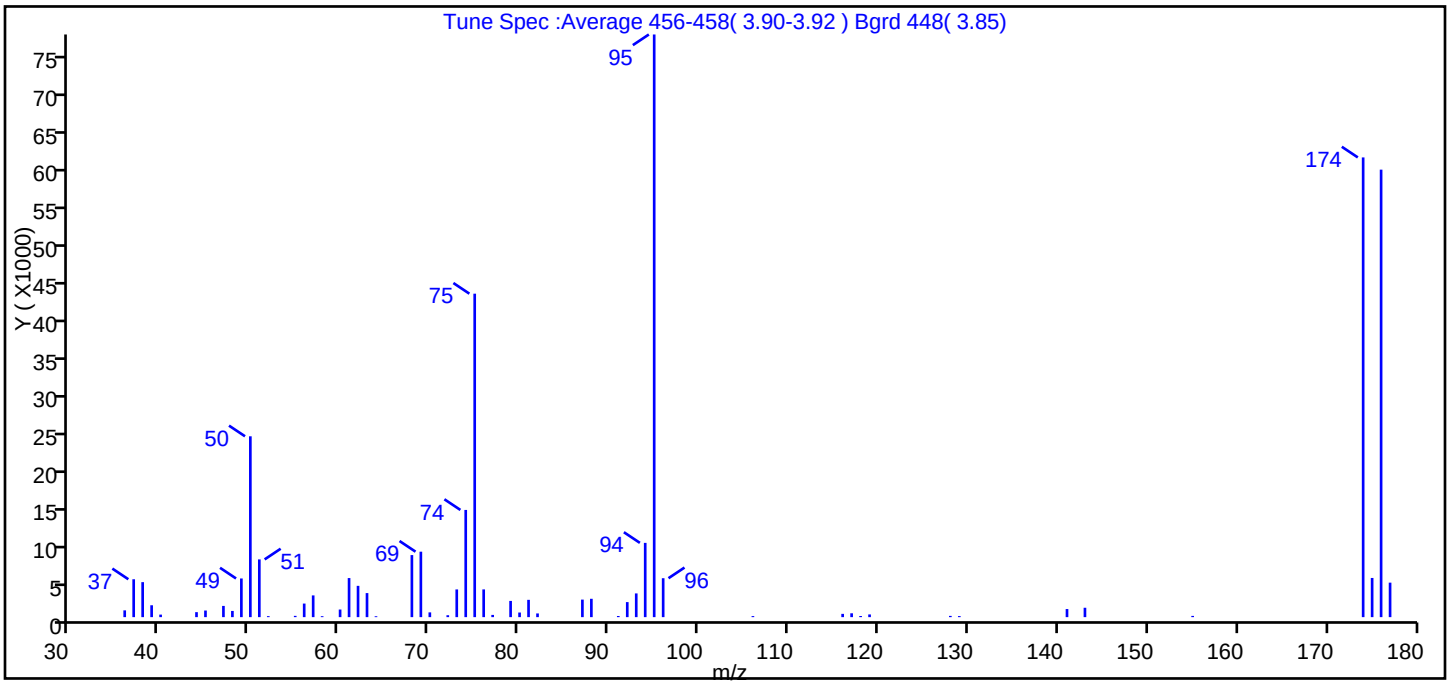
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6420.D
Injection Date: 21-Dec-2015 21:02:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	31.0
75	30 to 60% of m/z 95	55.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.9
175	5 to 9% of m/z 174	6.7 (8.5)
176	Greater than 95% but less than 101% of m/z 174	76.8 (97.3)
177	5 to 9% of m/z 176	5.9 (7.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6420.D\S-8260.rslt\spectra.d
Injection Date: 21-Dec-2015 21:02:30
Spectrum: Tune Spec :Average 456-458(3.90-3.92) Bgrd 448(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	897	57.00	2874	77.00	296	117.00	510
37.00	5009	58.00	124	79.00	2145	118.00	151
38.00	4627	60.00	1008	80.00	611	119.00	358
39.00	1571	61.00	5167	81.00	2289	128.00	165
40.00	336	62.00	4138	82.00	490	129.00	139
44.00	660	63.00	3180	87.00	2320	141.00	1071
45.00	875	64.00	118	88.00	2427	143.00	1241
47.00	1485	68.00	8204	91.00	150	155.00	164
48.00	820	69.00	8655	92.00	1988	174.00	60784
49.00	5113	70.00	631	93.00	3137	175.00	5181
50.00	23912	72.00	254	94.00	9820	176.00	59168
51.00	7635	73.00	3664	95.00	77040	177.00	4561
52.00	132	74.00	14174	96.00	5147		
55.00	170	75.00	42768	106.00	138		
56.00	1795	76.00	3668	116.00	434		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Dec-2015 10:30:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049479-002				
Operator ID:	gtg	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	22-Dec-2015 10:41:34	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK004				
First Level Reviewer: goliszekg		Date:	22-Dec-2015 10:41:34		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.940	3.940	0.000	0	208417	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

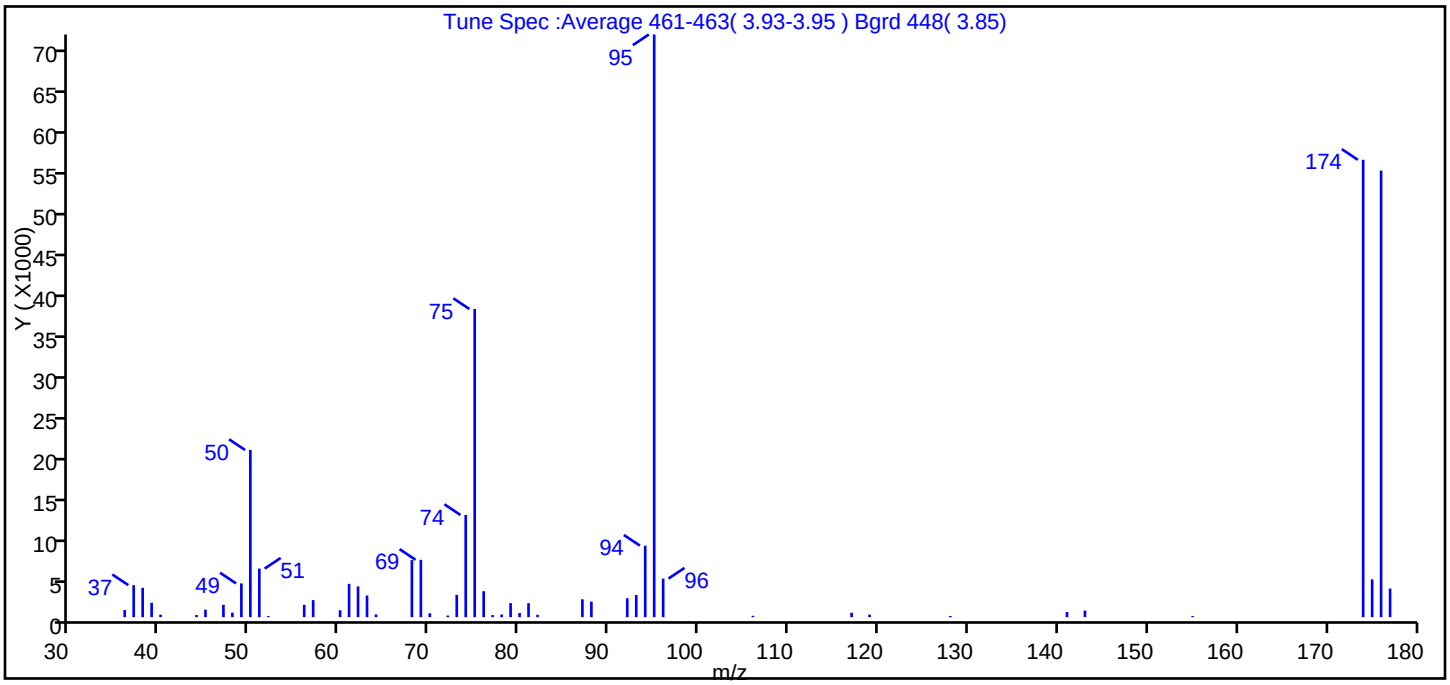
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D
Injection Date: 22-Dec-2015 10:30:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.7
75	30 to 60% of m/z 95	52.9
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.5
175	5 to 9% of m/z 174	6.5 (8.3)
176	Greater than 95% but less than 101% of m/z 174	76.6 (97.6)
177	5 to 9% of m/z 176	4.9 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D\S-8260.rslt\spectra.d
Injection Date: 22-Dec-2015 10:30:30
Spectrum: Tune Spec :Average 461-463(3.93-3.95) Bgrd 448(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	867	56.00	1503	75.00	37552	95.00	71008
37.00	3898	57.00	2078	76.00	3165	96.00	4700
38.00	3571	60.00	839	77.00	252	106.00	165
39.00	1751	61.00	4058	78.00	322	117.00	532
40.00	299	62.00	3745	79.00	1711	119.00	309
44.00	262	63.00	2640	80.00	500	128.00	141
45.00	910	64.00	334	81.00	1704	141.00	625
47.00	1501	68.00	6951	82.00	286	143.00	805
48.00	550	69.00	6989	87.00	2180	155.00	130
49.00	4110	70.00	475	88.00	1887	174.00	55736
50.00	20376	72.00	194	92.00	2303	175.00	4603
51.00	5916	73.00	2722	93.00	2692	176.00	54424
52.00	133	74.00	12453	94.00	8714	177.00	3484

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279767/2-A

Matrix: Solid | Lab File ID: F3153.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/15/2015 11:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279767/2-A

Matrix: Solid | Lab File ID: F3153.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 12/15/2015 11:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126
2037-26-5	Toluene-d8 (Surr)	96		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3153.D
Lims ID: MB 480-279767/2-A
Client ID:
Sample Type: MB
Inject. Date: 15-Dec-2015 11:43:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279767/2-A
Misc. Info.: 480-0049231-006
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 14:32:40 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 14:32:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	140619	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	297343	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.541	-0.006	96	275737	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	92	155237	50.0	47.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.139	0.006	0	95451	50.0	49.1	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	590519	50.0	47.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.422	0.000	92	193374	50.0	49.4	
10 Dichlorodifluoromethane	85		1.914					ND	
11 Chlorodifluoromethane	51		1.927					ND	
12 Chloromethane	50		2.073					ND	
13 Vinyl chloride	62		2.182					ND	
151 Butadiene	54		2.188					ND	
14 Bromomethane	94		2.468					ND	
15 Chloroethane	64		2.535					ND	
16 Dichlorofluoromethane	67		2.699					ND	
17 Trichlorofluoromethane	101		2.717					ND	
148 Ethanol	45		2.894					ND	
18 Ethyl ether	59		2.918					ND	
19 Propene oxide	58		3.003					ND	
20 Acrolein	56		3.076					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.113					ND	
22 1,1-Dichloroethene	96		3.131					ND	
23 Acetone	43		3.186					ND	
24 Isopropyl alcohol	45		3.271					ND	
25 Iodomethane	142		3.289					ND	
26 Carbon disulfide	76		3.338					ND	
27 Methyl acetate	43		3.405					ND	
28 3-Chloro-1-propene	41		3.405					ND	
29 Acetonitrile	40		3.442					ND	
31 2-Methyl-2-propanol	59		3.575					ND	
32 Methyl tert-butyl ether	73		3.666					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96		3.703					ND	
33 Acrylonitrile	53		3.715					ND	
35 Hexane	57		3.837					ND	
134 Halothane	117		3.983					ND	
36 Isopropyl ether	45		3.989					ND	
37 Vinyl acetate	43		4.019					ND	
39 1,1-Dichloroethane	63		4.031					ND	
38 1,1-Dimethoxyethane	75		4.056					ND	
40 2-Chloro-1,3-butadiene	53		4.086					ND	
41 Tert-butyl ethyl ether	59		4.269					ND	
44 2,2-Dichloropropane	77		4.469					ND	
42 Ethyl acetate	43		4.470					ND	
43 2-Butanone (MEK)	43		4.476					ND	
45 cis-1,2-Dichloroethene	96		4.482					ND	
46 Propionitrile	54		4.567					ND	
47 Methacrylonitrile	41		4.658					ND	
48 Chlorobromomethane	128		4.688					ND	
49 Tetrahydrofuran	42		4.707					ND	
50 Chloroform	83		4.725					ND	
51 1,1,1-Trichloroethane	97		4.865					ND	
52 Cyclohexane	56		4.889					ND	
54 1,1-Dichloropropene	75		4.980					ND	
55 Carbon tetrachloride	117		4.993					ND	
53 Isobutyl alcohol	43		5.047					ND	
147 t-Amyl alcohol	59		5.121					ND	
152 Isooctane	57		5.133					ND	
57 Benzene	78		5.169					ND	
56 Tert-amyl methyl ether	73		5.181					ND	
58 1,2-Dichloroethane	62		5.206					ND	
59 n-Heptane	43		5.260					ND	
1 1,4-Difluorobenzene	114		5.449					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.564					ND	
60 n-Butanol	56		5.595					ND	
62 Trichloroethene	95		5.686					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.753					ND	
137 Ethyl acrylate	55		5.753					ND	
64 Methylcyclohexane	83		5.826					ND	
65 1,2-Dichloropropane	63		5.905					ND	
63 Methyl methacrylate	41		5.918					ND	
66 1,4-Dioxane	88		6.021					ND	
67 Dibromomethane	93		6.039					ND	
68 Dichlorobromomethane	83		6.149					ND	
69 2-Chloroethyl vinyl ether	63		6.355					ND	
70 2-Nitropropane	43		6.362					ND	
71 Epichlorohydrin	57		6.471					ND	
72 cis-1,3-Dichloropropene	75		6.526					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.629					ND	
74 Toluene	92		6.818					ND	
75 Ethyl methacrylate	69		7.043					ND	
77 trans-1,3-Dichloropropene	75		7.043					ND	
79 1,1,2-Trichloroethane	83		7.237					ND	
81 Tetrachloroethene	166		7.341					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
82 1,3-Dichloropropane	76		7.402					ND	
80 2-Hexanone	43		7.420					ND	
155 n-Butyl acetate	43		7.493					ND	
83 Chlorodibromomethane	129		7.645					ND	
84 Ethylene Dibromide	107		7.773					ND	
146 1-Chlorohexane	55		8.126					ND	
85 3-Chlorobenzotrifluoride	180		8.126					ND	
86 4-Chlorobenzotrifluoride	180		8.187					ND	
87 Chlorobenzene	112		8.229					ND	
88 Ethylbenzene	91		8.290					ND	
89 1,1,1,2-Tetrachloroethane	131		8.302					ND	
90 m-Xylene & p-Xylene	106		8.406					ND	
91 o-Xylene	106		8.837					ND	
92 Styrene	104		8.862					ND	
93 2-Chlorobenzotrifluoride	180		9.117					ND	
95 Bromoform	173		9.136					ND	
94 Isopropylbenzene	105		9.202					ND	
96 Cyclohexanone	55		9.409					ND	
97 1,1,2,2-Tetrachloroethane	83		9.586					ND	
101 Bromobenzene	156		9.592					ND	
98 trans-1,4-Dichloro-2-buten	53		9.628					ND	
99 N-Propylbenzene	91		9.628					ND	
100 1,2,3-Trichloropropane	110		9.634					ND	
103 2-Chlorotoluene	126		9.756					ND	
102 1,3,5-Trimethylbenzene	105		9.793					ND	
104 3-Chlorotoluene	126		9.817					ND	
105 4-Chlorotoluene	126		9.859					ND	
106 tert-Butylbenzene	134		10.115					ND	
108 Pentachloroethane	167		10.194					ND	
109 sec-Butylbenzene	105		10.322					ND	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	94	4433		0.2421	
111 1,3-Dichlorobenzene	146		10.480					ND	
114 Dicyclopentadiene	66		10.553					ND	
113 1,4-Dichlorobenzene	146		10.559					ND	
112 1,2,3-Trimethylbenzene	105		10.571					ND	
150 Benzyl chloride	126		10.687					ND	
115 n-Butylbenzene	91		10.821					ND	
76 2-Methylthiophene	97		10.900					ND	
116 1,2-Dichlorobenzene	146		10.906					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587					ND	
118 1,3,5-Trichlorobenzene	180		11.709					ND	
119 1,2,4-Trichlorobenzene	180		12.220					ND	
120 Hexachlorobutadiene	225		12.317					ND	
121 Naphthalene	128	12.445	12.445	0.000	93	11073		0.7085	
122 1,2,3-Trichlorobenzene	180		12.658					ND	
149 2-Methylnaphthalene	142	13.492	13.498	-0.006	87	2062		0.2309	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

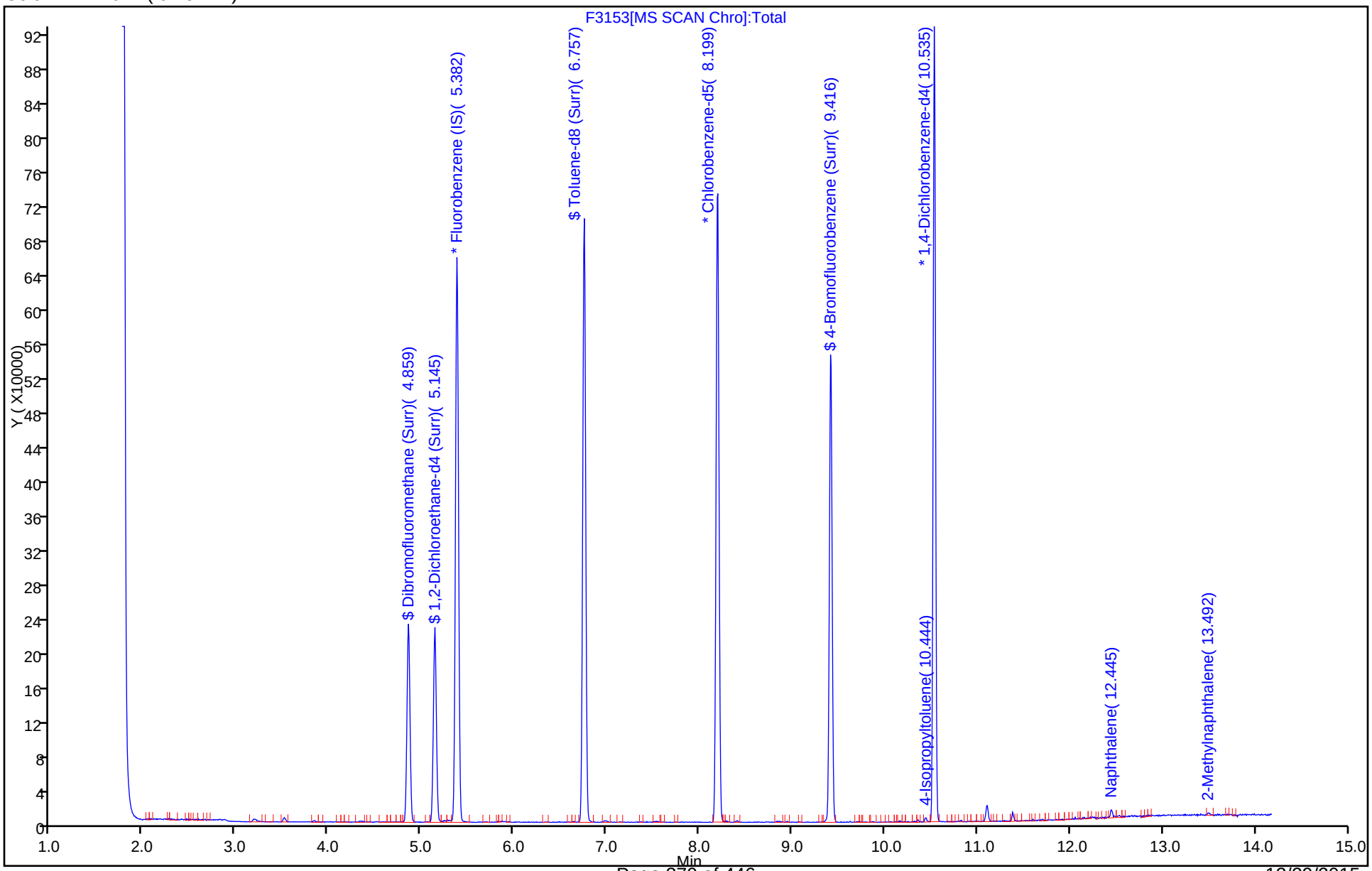
Report Date: 15-Dec-2015 14:32:41 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3153.D

Injection Date:	15-Dec-2015 11:43:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	MB 480-279767/2-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279982/2-A

Matrix: Solid | Lab File ID: F3201.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/16/2015 11:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.64
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.25
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.69
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	6.32	J	25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.66
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.65
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.71
110-82-7	Cyclohexane	ND		5.0	0.69
124-48-1	Dibromochloromethane	ND		5.0	0.63
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-279982/2-A

Matrix: Solid | Lab File ID: F3201.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/16/2015 11:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.75
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	96		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3201.D
Lims ID: MB 480-279982/2-A
Client ID:
Sample Type: MB
Inject. Date: 16-Dec-2015 11:10:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-279982/2-A
Misc. Info.: 480-0049277-007
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 11:44:55 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 11:27:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	125875	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	269046	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	250978	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	92	141936	50.0	48.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.139	0.006	0	86974	50.0	50.0	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	94	532501	50.0	47.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.421	9.416	0.005	95	170602	50.0	48.2	
10 Dichlorodifluoromethane	85		1.908					ND	
11 Chlorodifluoromethane	51		1.927					ND	
12 Chloromethane	50		2.060					ND	
13 Vinyl chloride	62		2.176					ND	
151 Butadiene	54		2.182					ND	
14 Bromomethane	94		2.462					ND	
15 Chloroethane	64		2.529					ND	
16 Dichlorofluoromethane	67		2.693					ND	
17 Trichlorofluoromethane	101		2.711					ND	
148 Ethanol	45		2.882					ND	
18 Ethyl ether	59		2.912					ND	
19 Propene oxide	58		3.003					ND	
20 Acrolein	56		3.070					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.101					ND	
22 1,1-Dichloroethene	96		3.125					ND	
23 Acetone	43	3.198	3.180	0.018	98	6461		6.37	
24 Isopropyl alcohol	45		3.271					ND	
25 Iodomethane	142		3.277					ND	
26 Carbon disulfide	76		3.338					ND	
28 3-Chloro-1-propene	41		3.399					ND	
27 Methyl acetate	43		3.399					ND	
29 Acetonitrile	40		3.441					ND	
31 2-Methyl-2-propanol	59		3.563					ND	
32 Methyl tert-butyl ether	73		3.660					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96		3.697					ND	
33 Acrylonitrile	53		3.715					ND	
35 Hexane	57		3.831					ND	
134 Halothane	117		3.983					ND	
36 Isopropyl ether	45		3.989					ND	
37 Vinyl acetate	43		4.013					ND	
39 1,1-Dichloroethane	63		4.025					ND	
38 1,1-Dimethoxyethane	75		4.056					ND	
40 2-Chloro-1,3-butadiene	53		4.080					ND	
41 Tert-butyl ethyl ether	59		4.263					ND	
43 2-Butanone (MEK)	43		4.469					ND	
44 2,2-Dichloropropane	77		4.469					ND	
42 Ethyl acetate	43		4.470					ND	
45 cis-1,2-Dichloroethene	96		4.476					ND	
46 Propionitrile	54		4.567					ND	
47 Methacrylonitrile	41		4.658					ND	
48 Chlorobromomethane	128		4.682					ND	
49 Tetrahydrofuran	42		4.707					ND	
50 Chloroform	83		4.719					ND	
51 1,1,1-Trichloroethane	97		4.859					ND	
52 Cyclohexane	56		4.889					ND	
54 1,1-Dichloropropene	75		4.980					ND	
55 Carbon tetrachloride	117		4.987					ND	
53 Isobutyl alcohol	43		5.047					ND	
147 t-Amyl alcohol	59		5.121					ND	
152 Isooctane	57		5.133					ND	
57 Benzene	78		5.163					ND	
56 Tert-amyl methyl ether	73		5.181					ND	
58 1,2-Dichloroethane	62		5.199					ND	
59 n-Heptane	43		5.254					ND	
1 1,4-Difluorobenzene	114		5.443					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.564					ND	
60 n-Butanol	56		5.589					ND	
62 Trichloroethene	95		5.686					ND	
137 Ethyl acrylate	55		5.747					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.753					ND	
64 Methylcyclohexane	83		5.820					ND	
65 1,2-Dichloropropane	63		5.905					ND	
63 Methyl methacrylate	41		5.917					ND	
66 1,4-Dioxane	88		6.021					ND	
67 Dibromomethane	93		6.033					ND	
68 Dichlorobromomethane	83		6.148					ND	
69 2-Chloroethyl vinyl ether	63		6.355					ND	
70 2-Nitropropane	43		6.362					ND	
71 Epichlorohydrin	57		6.471					ND	
72 cis-1,3-Dichloropropene	75		6.526					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.623					ND	
74 Toluene	92		6.818					ND	
75 Ethyl methacrylate	69		7.043					ND	
77 trans-1,3-Dichloropropene	75		7.043					ND	
79 1,1,2-Trichloroethane	83		7.237					ND	
81 Tetrachloroethene	166		7.341					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
82 1,3-Dichloropropane	76		7.402					ND	
80 2-Hexanone	43		7.414					ND	
155 n-Butyl acetate	43		7.493					ND	
83 Chlorodibromomethane	129		7.645					ND	
84 Ethylene Dibromide	107		7.773					ND	
146 1-Chlorohexane	55		8.120					ND	
85 3-Chlorobenzotrifluoride	180		8.126					ND	
86 4-Chlorobenzotrifluoride	180		8.181					ND	
87 Chlorobenzene	112		8.223					ND	
88 Ethylbenzene	91		8.290					ND	
89 1,1,1,2-Tetrachloroethane	131		8.302					ND	
90 m-Xylene & p-Xylene	106		8.405					ND	
91 o-Xylene	106		8.837					ND	
92 Styrene	104		8.856					ND	
93 2-Chlorobenzotrifluoride	180		9.111					ND	
95 Bromoform	173		9.129					ND	
94 Isopropylbenzene	105		9.202					ND	
96 Cyclohexanone	55		9.409					ND	
97 1,1,2,2-Tetrachloroethane	83		9.580					ND	
101 Bromobenzene	156		9.586					ND	
98 trans-1,4-Dichloro-2-buten	53		9.628					ND	
99 N-Propylbenzene	91		9.628					ND	
100 1,2,3-Trichloropropane	110		9.634					ND	
103 2-Chlorotoluene	126		9.756					ND	
102 1,3,5-Trimethylbenzene	105		9.793					ND	
104 3-Chlorotoluene	126		9.817					ND	
105 4-Chlorotoluene	126		9.859					ND	
106 tert-Butylbenzene	134		10.115					ND	
107 1,2,4-Trimethylbenzene	105		10.164					ND	
108 Pentachloroethane	167		10.194					ND	
109 sec-Butylbenzene	105		10.316					ND	
110 4-Isopropyltoluene	119	10.443	10.443	0.000	92	3659		0.2195	
111 1,3-Dichlorobenzene	146		10.480					ND	
114 Dicyclopentadiene	66		10.553					ND	
113 1,4-Dichlorobenzene	146		10.559					ND	
112 1,2,3-Trimethylbenzene	105		10.571					ND	
150 Benzyl chloride	126		10.687					ND	
115 n-Butylbenzene	91		10.815					ND	
76 2-Methylthiophene	97		10.900					ND	
116 1,2-Dichlorobenzene	146		10.906					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.587					ND	
118 1,3,5-Trichlorobenzene	180		11.709					ND	
119 1,2,4-Trichlorobenzene	180		12.220					ND	
120 Hexachlorobutadiene	225		12.317					ND	
121 Naphthalene	128		12.445					ND	
122 1,2,3-Trichlorobenzene	180		12.658					ND	
149 2-Methylnaphthalene	142		13.492					ND	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

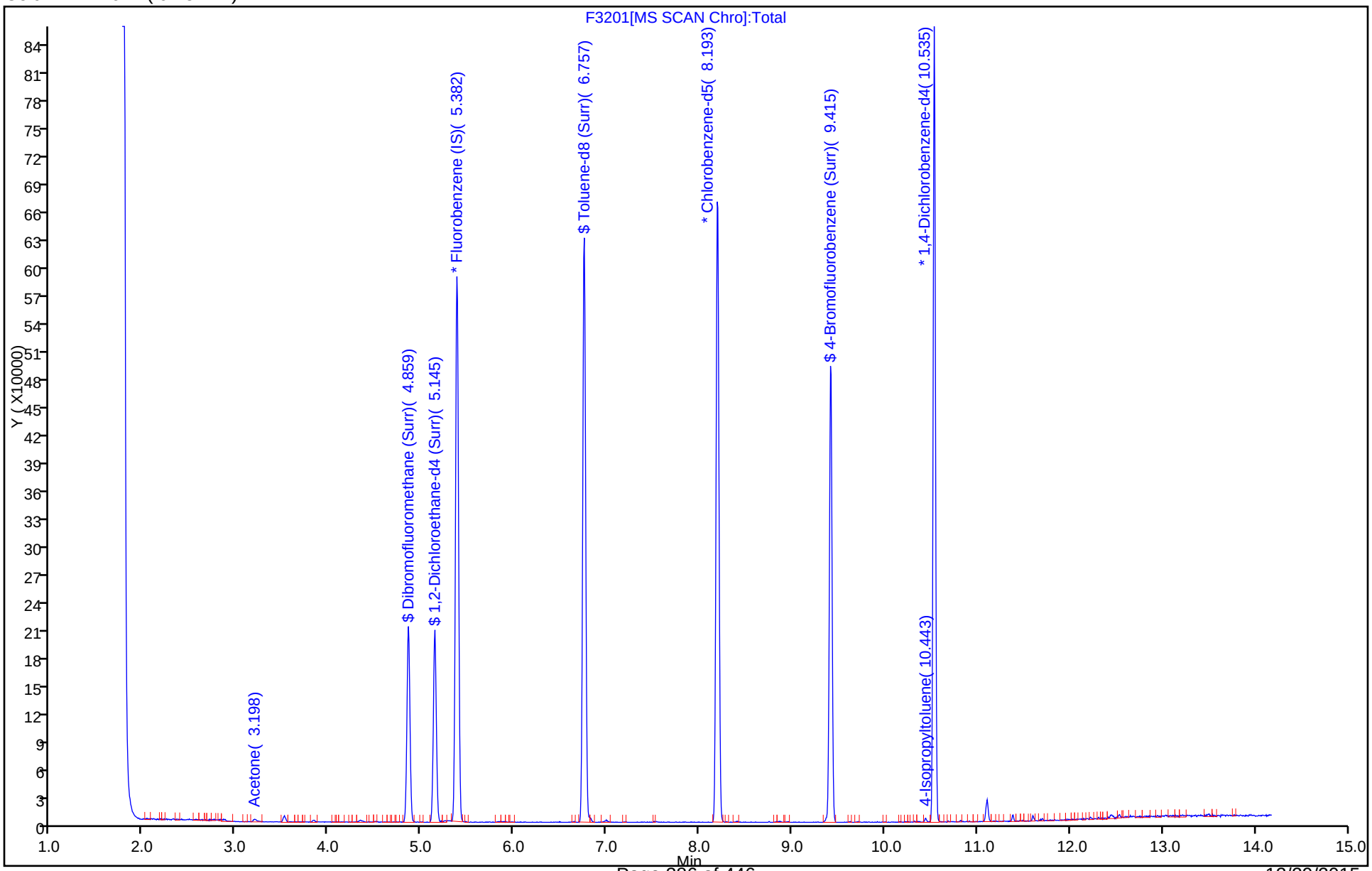
Report Date: 16-Dec-2015 13:46:48 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3201.D

Injection Date:	16-Dec-2015 11:10:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	MB 480-279982/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

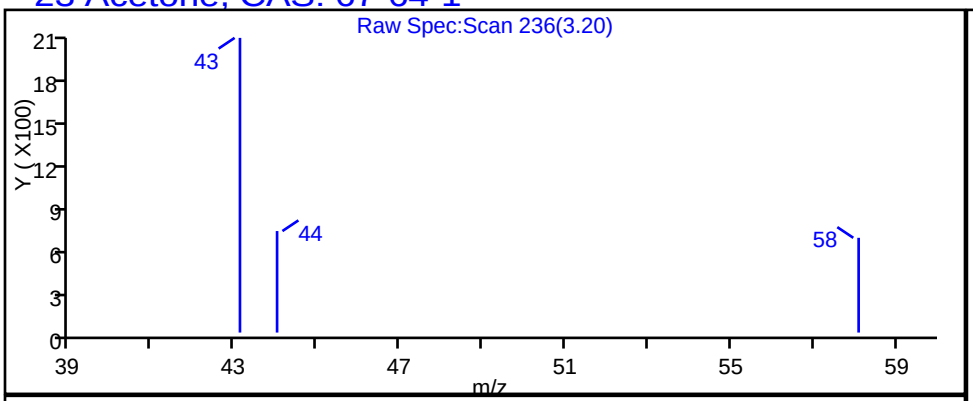
Column: ZB-624 (0.25 mm)

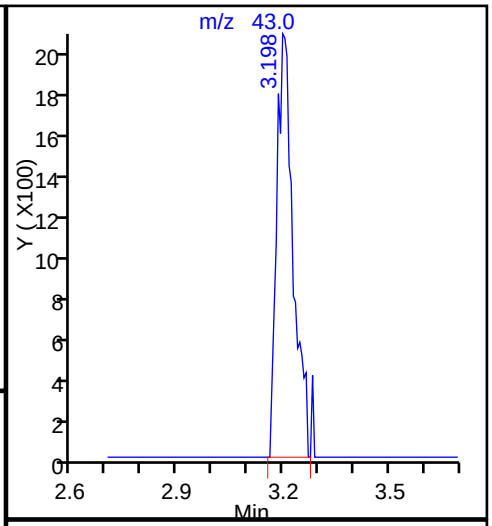


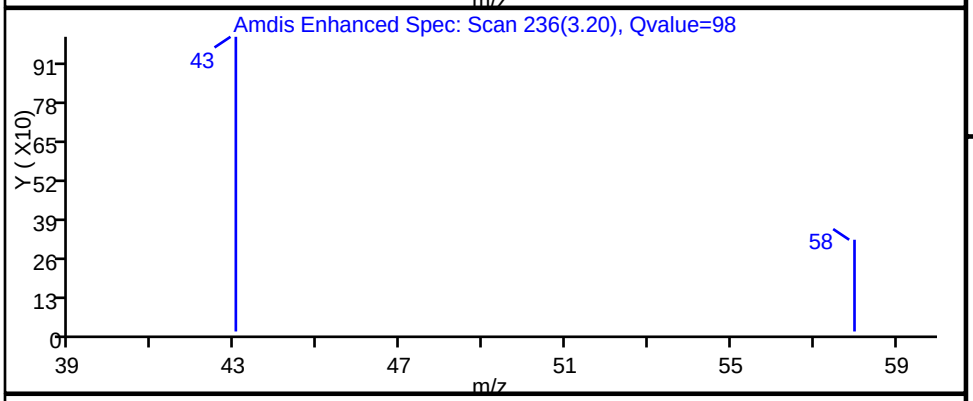
TestAmerica Buffalo

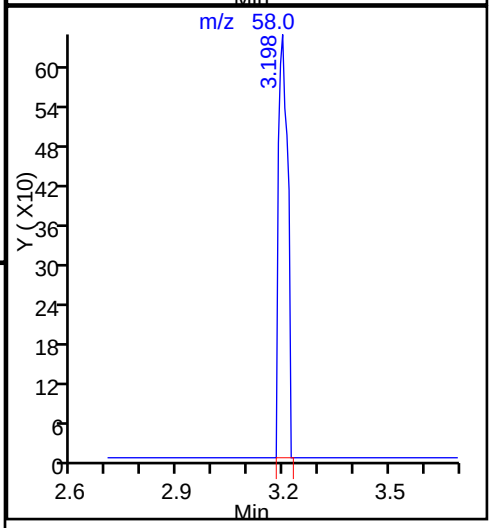
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3201.D
Injection Date: 16-Dec-2015 11:10:30 Instrument ID: HP5973F
Lims ID: MB 480-279982/2-A
Client ID:
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

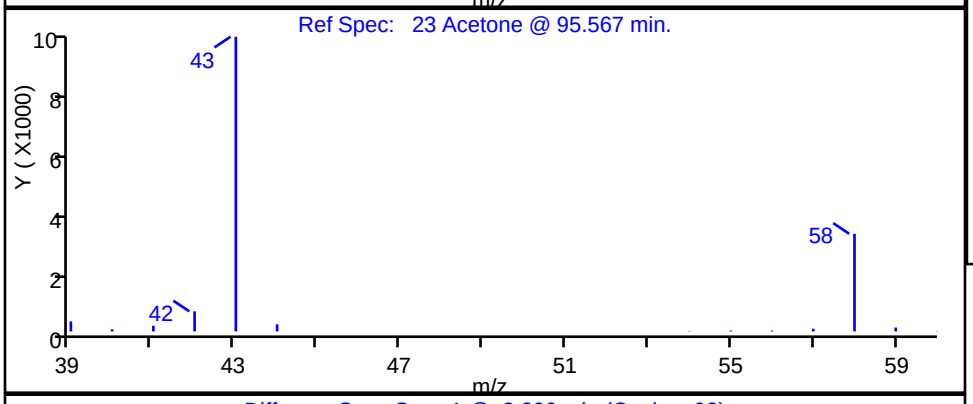
23 Acetone, CAS: 67-64-1

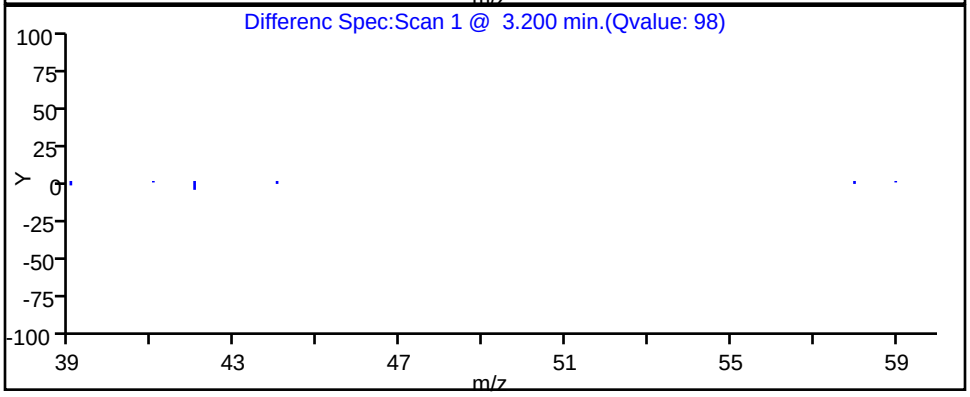












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280904/3-A

Matrix: Solid | Lab File ID: S6427.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 12/22/2015 01:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		98	27
79-34-5	1,1,2,2-Tetrachloroethane	ND		98	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		98	49
79-00-5	1,1,2-Trichloroethane	ND		98	21
75-34-3	1,1-Dichloroethane	ND		98	30
75-35-4	1,1-Dichloroethene	ND		98	34
120-82-1	1,2,4-Trichlorobenzene	ND		98	37
96-12-8	1,2-Dibromo-3-Chloropropane	ND		98	49
106-93-4	1,2-Dibromoethane	ND		98	17
95-50-1	1,2-Dichlorobenzene	ND		98	25
107-06-2	1,2-Dichloroethane	ND		98	40
78-87-5	1,2-Dichloropropane	ND		98	16
541-73-1	1,3-Dichlorobenzene	ND		98	26
106-46-7	1,4-Dichlorobenzene	ND		98	14
78-93-3	2-Butanone (MEK)	ND		490	290
591-78-6	2-Hexanone	ND		490	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		490	31
67-64-1	Acetone	ND		490	400
71-43-2	Benzene	ND		98	19
75-27-4	Bromodichloromethane	ND		98	20
75-25-2	Bromoform	ND		98	49
74-83-9	Bromomethane	ND		98	22
75-15-0	Carbon disulfide	ND		98	45
56-23-5	Carbon tetrachloride	ND		98	25
108-90-7	Chlorobenzene	ND		98	13
75-00-3	Chloroethane	ND		98	20
67-66-3	Chloroform	ND		98	67
74-87-3	Chloromethane	ND		98	23
156-59-2	cis-1,2-Dichloroethene	ND		98	27
10061-01-5	cis-1,3-Dichloropropene	ND		98	23
110-82-7	Cyclohexane	ND		98	22
124-48-1	Dibromochloromethane	ND		98	47
75-71-8	Dichlorodifluoromethane	ND		98	43
100-41-4	Ethylbenzene	ND		98	29
98-82-8	Isopropylbenzene	ND		98	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280904/3-A

Matrix: Solid | Lab File ID: S6427.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 12/22/2015 01:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		98	47
1634-04-4	Methyl tert-butyl ether	ND		98	37
108-87-2	Methylcyclohexane	ND		98	46
75-09-2	Methylene Chloride	ND		98	19
100-42-5	Styrene	ND		98	24
127-18-4	Tetrachloroethene	ND		98	13
108-88-3	Toluene	ND		98	26
156-60-5	trans-1,2-Dichloroethene	ND		98	23
10061-02-6	trans-1,3-Dichloropropene	ND		98	9.6
79-01-6	Trichloroethene	ND		98	27
75-69-4	Trichlorofluoromethane	ND		98	46
75-01-4	Vinyl chloride	ND		98	33
1330-20-7	Xylenes, Total	ND		200	54

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6427.D
Lims ID: MB 480-280904/3-A
Client ID:
Sample Type: MB
Inject. Date: 22-Dec-2015 01:25:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-280904/3-A
Misc. Info.: 480-0049466-010
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 01:44:36 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: fortaing Date: 22-Dec-2015 01:44:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	105467	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	209278	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	197763	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	54	110300	27.2	23.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	84899	27.2	26.0	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	95	505764	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	149794	27.2	25.3	
10 Dichlorodifluoromethane	85		1.243					ND	
11 Chlorodifluoromethane	51		1.267					ND	
12 Chloromethane	50		1.401					ND	
13 Vinyl chloride	62		1.505					ND	
151 Butadiene	54		1.535					ND	
14 Bromomethane	94		1.821					ND	
15 Chloroethane	64		1.912					ND	
16 Dichlorofluoromethane	67		2.131					ND	
17 Trichlorofluoromethane	101		2.143					ND	
148 Ethanol	45		2.405					ND	
18 Ethyl ether	59		2.417					ND	
19 Propene oxide	58		2.491					ND	
20 Acrolein	56		2.575					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.654					ND	
22 1,1-Dichloroethene	96		2.654					ND	
23 Acetone	43		2.733					ND	
25 Iodomethane	142		2.813					ND	
26 Carbon disulfide	76		2.849					ND	
24 Isopropyl alcohol	45		2.916					ND	
28 3-Chloro-1-propene	41		2.995					ND	
29 Acetonitrile	40		3.025					ND	
27 Methyl acetate	43		3.038					ND	
30 Methylene Chloride	84		3.159					ND	
31 2-Methyl-2-propanol	59		3.293					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.366					ND	
34 trans-1,2-Dichloroethene	96		3.372					ND	
33 Acrylonitrile	53		3.397					ND	
35 Hexane	57		3.591					ND	
39 1,1-Dichloroethane	63		3.786					ND	
139 Halothane	117		3.822					ND	
36 Isopropyl ether	45		3.822					ND	
37 Vinyl acetate	43		3.841					ND	
40 2-Chloro-1,3-butadiene	53		3.853					ND	
38 1,1-Dimethoxyethane	75		3.885					ND	
41 Tert-butyl ethyl ether	59		4.163					ND	
44 2,2-Dichloropropane	77		4.315					ND	
45 cis-1,2-Dichloroethene	96		4.340					ND	
43 2-Butanone (MEK)	43		4.370					ND	
42 Ethyl acetate	43	4.394	4.413	-0.019	1	2022		0.3630	
46 Propionitrile	54		4.455					ND	
48 Chlorobromomethane	128		4.571					ND	
47 Methacrylonitrile	41		4.577					ND	
49 Tetrahydrofuran	42		4.601					ND	
50 Chloroform	83		4.656					ND	
51 1,1,1-Trichloroethane	97		4.778					ND	
52 Cyclohexane	56		4.808					ND	
55 Carbon tetrachloride	117		4.924					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
54 1,1-Dichloropropene	75		4.936					ND	
57 Benzene	78		5.130					ND	
53 Isobutyl alcohol	43		5.130					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.161					ND	
58 1,2-Dichloroethane	62		5.185					ND	
147 t-Amyl alcohol	59		5.191					ND	
56 Tert-amyl methyl ether	73		5.222					ND	
59 n-Heptane	43	5.337	5.337	0.000	4	1564		0.1367	
1 1,4-Difluorobenzene	114		5.514					ND	
62 Trichloroethene	95		5.745					ND	
60 n-Butanol	56		5.751					ND	
142 Ethyl acrylate	55		5.867					ND	
64 Methylcyclohexane	83		5.885					ND	
65 1,2-Dichloropropane	63		5.976					ND	
63 Methyl methacrylate	41		6.086					ND	
67 Dibromomethane	93		6.110					ND	
66 1,4-Dioxane	88		6.122					ND	
68 Dichlorobromomethane	83		6.262					ND	
70 2-Nitropropane	43		6.493					ND	
69 2-Chloroethyl vinyl ether	63		6.548					ND	
71 Epichlorohydrin	57		6.625					ND	
72 cis-1,3-Dichloropropene	75		6.682					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828					ND	
74 Toluene	92		6.980					ND	
76 2-Methylthiophene	97		7.114					ND	
78 3-Methylthiophene	97		7.114					ND	
77 trans-1,3-Dichloropropene	75		7.248					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.308					ND	
79 1,1,2-Trichloroethane	83		7.430					ND	
81 Tetrachloroethene	166		7.521					ND	
82 1,3-Dichloropropane	76		7.594					ND	
80 2-Hexanone	43		7.667					ND	
155 n-Butyl acetate	43		7.789					ND	
83 Chlorodibromomethane	129		7.832					ND	
84 Ethylene Dibromide	107		7.935					ND	
146 1-Chlorohexane	55		8.385					ND	
85 3-Chlorobenzotrifluoride	180		8.397					ND	
87 Chlorobenzene	112		8.422					ND	
86 4-Chlorobenzotrifluoride	180		8.458					ND	
89 1,1,1,2-Tetrachloroethane	131		8.519					ND	
88 Ethylbenzene	91		8.525					ND	
90 m-Xylene & p-Xylene	106		8.647					ND	
91 o-Xylene	106		9.073					ND	
92 Styrene	104		9.097					ND	
95 Bromoform	173		9.328					ND	
93 2-Chlorobenzotrifluoride	180		9.371					ND	
94 Isopropylbenzene	105		9.456					ND	
96 Cyclohexanone	55		9.602					ND	
101 Bromobenzene	156		9.797					ND	
97 1,1,2,2-Tetrachloroethane	83		9.833					ND	
100 1,2,3-Trichloropropane	110		9.870					ND	
98 trans-1,4-Dichloro-2-buten	53		9.882					ND	
99 N-Propylbenzene	91		9.888					ND	
103 2-Chlorotoluene	126		9.985					ND	
104 3-Chlorotoluene	126		10.046					ND	
102 1,3,5-Trimethylbenzene	105		10.064					ND	
105 4-Chlorotoluene	126		10.095					ND	
106 tert-Butylbenzene	134		10.381					ND	
108 Pentachloroethane	167		10.429					ND	
107 1,2,4-Trimethylbenzene	105		10.435					ND	
109 sec-Butylbenzene	105		10.593					ND	
111 1,3-Dichlorobenzene	146		10.721					ND	
110 4-Isopropyltoluene	119		10.733					ND	
114 Dicyclopentadiene	66		10.800					ND	
113 1,4-Dichlorobenzene	146		10.806					ND	
112 1,2,3-Trimethylbenzene	105		10.843					ND	
150 Benzyl chloride	126		10.946					ND	
115 n-Butylbenzene	91		11.117					ND	
116 1,2-Dichlorobenzene	146		11.159					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877					ND	
118 1,3,5-Trichlorobenzene	180		12.029					ND	
119 1,2,4-Trichlorobenzene	180		12.565					ND	
120 Hexachlorobutadiene	225		12.686					ND	
121 Naphthalene	128		12.771					ND	
122 1,2,3-Trichlorobenzene	180		12.978					ND	
149 2-Methylnaphthalene	142		13.684					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	44		1.528					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

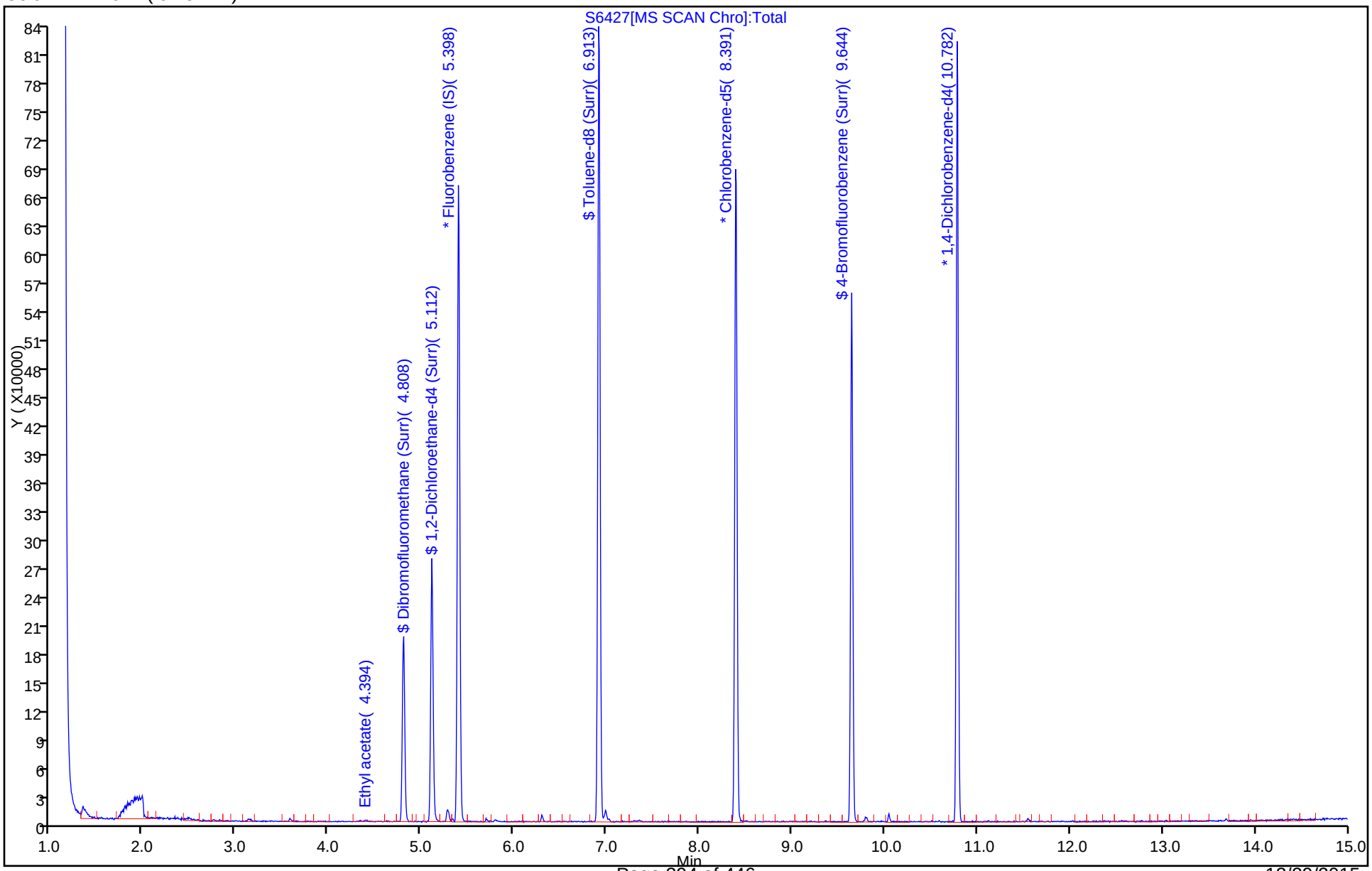
Report Date: 22-Dec-2015 01:44:36 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6427.D

Injection Date:	22-Dec-2015 01:25:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	MB 480-280904/3-A			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279767/1-A

Matrix: Solid | Lab File ID: F3155.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/15/2015 12:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	49.4		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	44.7		5.0	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49.5		5.0	1.1
79-00-5	1,1,2-Trichloroethane	47.0		5.0	0.64
75-34-3	1,1-Dichloroethane	50.2		5.0	0.61
75-35-4	1,1-Dichloroethene	49.7		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	49.4		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	44.0		5.0	2.5
106-93-4	1,2-Dibromoethane	47.5		5.0	0.64
95-50-1	1,2-Dichlorobenzene	47.7		5.0	0.39
107-06-2	1,2-Dichloroethane	47.6		5.0	0.25
78-87-5	1,2-Dichloropropane	46.8		5.0	2.5
541-73-1	1,3-Dichlorobenzene	48.7		5.0	0.25
106-46-7	1,4-Dichlorobenzene	48.5		5.0	0.69
78-93-3	2-Butanone (MEK)	421		25	1.8
591-78-6	2-Hexanone	233		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	226		25	1.6
67-64-1	Acetone	229		25	4.2
71-43-2	Benzene	47.9		5.0	0.24
75-27-4	Bromodichloromethane	48.3		5.0	0.66
75-25-2	Bromoform	45.0		5.0	2.5
74-83-9	Bromomethane	48.7		5.0	0.45
75-15-0	Carbon disulfide	45.1		5.0	2.5
56-23-5	Carbon tetrachloride	49.3		5.0	0.48
108-90-7	Chlorobenzene	48.8		5.0	0.65
75-00-3	Chloroethane	50.7		5.0	1.1
67-66-3	Chloroform	48.4		5.0	0.31
74-87-3	Chloromethane	49.6		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	47.1		5.0	0.63
10061-01-5	cis-1,3-Dichloropropene	48.8		5.0	0.71
110-82-7	Cyclohexane	47.1		5.0	0.69
124-48-1	Dibromochloromethane	48.1		5.0	0.63
75-71-8	Dichlorodifluoromethane	46.8		5.0	0.41
100-41-4	Ethylbenzene	49.3		5.0	0.34
98-82-8	Isopropylbenzene	49.0		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279767/1-A

Matrix: Solid | Lab File ID: F3155.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/15/2015 12:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279770 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	225		5.0	3.0
1634-04-4	Methyl tert-butyl ether	45.2		5.0	0.49
108-87-2	Methylcyclohexane	47.5		5.0	0.75
75-09-2	Methylene Chloride	48.4		5.0	2.3
100-42-5	Styrene	48.0		5.0	0.25
127-18-4	Tetrachloroethene	52.6		5.0	0.67
108-88-3	Toluene	47.1		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	48.3		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	48.6		5.0	2.2
79-01-6	Trichloroethene	50.0		5.0	1.1
75-69-4	Trichlorofluoromethane	52.9		5.0	0.47
75-01-4	Vinyl chloride	52.1		5.0	0.61
1330-20-7	Xylenes, Total	96.0		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126
2037-26-5	Toluene-d8 (Surr)	89		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3155.D
Lims ID: LCS 480-279767/1-A
Client ID:
Sample Type: LCS
Inject. Date: 15-Dec-2015 12:48:30 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279767/1-A
Misc. Info.: 480-0049231-008
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Dec-2015 14:37:39 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: cwiklinc Date: 15-Dec-2015 14:38:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	147347	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	309838	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.541	-0.006	97	292360	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.859	4.859	0.000	92	151834	50.0	44.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.145	5.139	0.006	0	102935	50.0	50.6	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	570538	50.0	44.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.422	0.000	92	188909	50.0	46.3	
10 Dichlorodifluoromethane	85	1.914	1.914	0.000	98	274865	50.0	47.2	
11 Chlorodifluoromethane	51	1.933	1.927	0.006	95	180185	50.0	47.3	
12 Chloromethane	50	2.073	2.073	0.001	100	206058	50.0	50.0	
13 Vinyl chloride	62	2.188	2.182	0.006	98	204234	50.0	52.5	
151 Butadiene	54	2.188	2.188	0.000	92	192548	50.0	52.6	
14 Bromomethane	94	2.462	2.468	-0.006	92	105485	50.0	49.1	
15 Chloroethane	64	2.535	2.535	0.000	100	82425	50.0	51.1	
16 Dichlorofluoromethane	67	2.699	2.699	0.000	99	246828	50.0	49.4	
17 Trichlorofluoromethane	101	2.711	2.717	-0.006	97	295973	50.0	53.3	
148 Ethanol	45	2.918	2.894	0.024	70	153019	2000.0	5481.5	M
18 Ethyl ether	59	2.918	2.918	0.000	88	160551	50.0	47.2	
20 Acrolein	56	3.076	3.076	0.000	99	149899	250.0	229.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.113	-0.006	92	216674	50.0	49.9	
22 1,1-Dichloroethene	96	3.131	3.131	0.000	98	211461	50.0	50.1	
23 Acetone	43	3.186	3.186	0.000	99	274292	250.0	231.0	
24 Isopropyl alcohol	45	3.271	3.271	0.000	31	81245	500.0	391.4	
25 Iodomethane	142	3.283	3.289	-0.006	98	377544	50.0	47.7	
26 Carbon disulfide	76	3.338	3.338	0.000	99	628602	50.0	45.5	
27 Methyl acetate	43	3.399	3.405	-0.006	96	638131	250.0	226.6	
28 3-Chloro-1-propene	41	3.405	3.405	0.000	90	415496	50.0	72.4	
29 Acetonitrile	40	3.435	3.442	-0.007	90	122618	500.0	596.2	
30 Methylene Chloride	84	3.514	3.514	0.000	86	221706	50.0	48.8	
31 2-Methyl-2-propanol	59	3.569	3.575	-0.006	98	183067	500.0	430.4	
32 Methyl tert-butyl ether	73	3.660	3.666	-0.006	94	624673	50.0	45.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	96	226885	50.0	48.6	
33 Acrylonitrile	53	3.715	3.715	0.000	99	574748	500.0	445.7	
35 Hexane	57	3.837	3.837	0.000	92	312735	50.0	44.4	
134 Halothane	117	3.983	3.983	0.000	90	166806	50000	50.4	
36 Isopropyl ether	45	3.989	3.989	0.000	83	535145	50.0	46.8	
37 Vinyl acetate	43	4.013	4.019	-0.006	97	1030514	100.0	133.2	
39 1,1-Dichloroethane	63	4.032	4.031	0.001	96	384832	50.0	50.6	
40 2-Chloro-1,3-butadiene	53	4.080	4.086	-0.006	92	332663	50.0	52.1	
41 Tert-butyl ethyl ether	59	4.263	4.269	-0.006	95	570477	50.0	46.3	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	71	343981	50.0	50.4	
42 Ethyl acetate	43	4.470	4.470	0.000	97	733065	100.0	213.6	
43 2-Butanone (MEK)	43	4.470	4.476	-0.006	98	733065	250.0	423.9	
45 cis-1,2-Dichloroethene	96	4.482	4.482	0.000	83	238449	50.0	47.5	
46 Propionitrile	54	4.573	4.567	0.006	99	228142	500.0	465.2	
47 Methacrylonitrile	41	4.664	4.658	0.006	89	1084231	500.0	465.2	
48 Chlorobromomethane	128	4.683	4.688	-0.006	77	118237	50.0	47.4	
49 Tetrahydrofuran	42	4.707	4.707	0.000	79	104154	100.0	88.9	
50 Chloroform	83	4.719	4.725	-0.006	94	405836	50.0	48.8	
51 1,1,1-Trichloroethane	97	4.865	4.865	0.000	98	368150	50.0	49.8	
52 Cyclohexane	56	4.895	4.889	0.006	86	307338	50.0	47.4	
54 1,1-Dichloropropene	75	4.987	4.980	0.007	96	324274	50.0	50.0	
55 Carbon tetrachloride	117	4.993	4.993	0.000	98	328555	50.0	49.6	
53 Isobutyl alcohol	43	5.048	5.047	0.001	91	157404	1250.0	1079.6	
147 t-Amyl alcohol	59	5.121	5.121	0.000	88	176148	500.0	472.0	
152 Isooctane	57	5.133	5.133	0.000	97	722940	50.0	48.8	
57 Benzene	78	5.169	5.169	0.000	95	858854	50.0	48.2	
56 Tert-amyl methyl ether	73	5.181	5.181	0.000	96	604991	50.0	47.3	
58 1,2-Dichloroethane	62	5.206	5.206	0.000	98	309663	50.0	48.0	
59 n-Heptane	43	5.260	5.260	0.000	85	312169	50.0	50.1	
1 1,4-Difluorobenzene	114	5.449	5.449	0.000	94	704838	50.0	49.4	
136 2,4,4-Trimethyl-1-pentene	55	5.571	5.564	0.007	97	163425	NC	NC	
60 n-Butanol	56	5.589	5.595	-0.006	83	192714	1250.0	1274.3	
62 Trichloroethene	95	5.686	5.686	0.000	97	243754	50.0	50.4	
135 2,4,4-Trimethyl-2-pentene	97	5.759	5.753	0.006	82	517325	NC	NC	
137 Ethyl acrylate	55	5.753	5.753	0.000	94	618904	50.0	50.5	
64 Methylcyclohexane	83	5.820	5.826	-0.006	84	389990	50.0	47.9	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	84	185197	50.0	47.2	
63 Methyl methacrylate	41	5.917	5.918	-0.001	91	441889	100.0	127.5	
66 1,4-Dioxane	88	6.015	6.021	-0.006	88	38347	1000.0	959.7	
67 Dibromomethane	93	6.039	6.039	0.000	91	137711	50.0	47.8	
68 Dichlorobromomethane	83	6.149	6.149	0.001	99	291975	50.0	48.7	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	81	110868	50.0	47.2	
70 2-Nitropropane	43	6.362	6.362	0.000	88	164934	100.0	146.2	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	351695	50.0	49.2	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.629	0.000	94	835515	250.0	227.7	
74 Toluene	92	6.818	6.818	0.000	99	560903	50.0	47.5	
75 Ethyl methacrylate	69	7.043	7.043	0.000	70	255868	50.0	47.0	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	94	319224	50.0	49.0	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	94	151892	50.0	47.4	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	275962	50.0	53.0	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	97	317034	50.0	47.2	
80 2-Hexanone	43	7.420	7.420	0.000	95	618135	250.0	235.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
155 n-Butyl acetate	43	7.493	7.493	0.000	0	264373	50.0	50.9	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	215815	50.0	48.5	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	198546	50.0	47.9	
146 1-Chlorohexane	55	8.120	8.126	-0.006	95	191403	50.0	51.8	
85 3-Chlorobenzotrifluoride	180	8.126	8.126	0.000	92	395211	50.0	52.9	
86 4-Chlorobenzotrifluoride	180	8.187	8.187	0.000	97	362780	50.0	53.7	
87 Chlorobenzene	112	8.229	8.229	0.000	96	625805	50.0	49.1	
88 Ethylbenzene	91	8.290	8.290	0.000	98	1065732	50.0	49.7	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	93	207808	50.0	48.4	
90 m-Xylene & p-Xylene	106	8.406	8.406	0.000	99	416534	50.0	48.2	
91 o-Xylene	106	8.838	8.837	0.001	97	397732	50.0	48.6	
92 Styrene	104	8.856	8.862	-0.006	94	668034	50.0	48.4	
93 2-Chlorobenzotrifluoride	180	9.117	9.117	0.000	96	352145	50.0	51.5	
95 Bromoform	173	9.136	9.136	0.000	95	117748	50.0	45.3	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	1032171	50.0	49.4	
96 Cyclohexanone	55	9.403	9.409	-0.006	90	46634	500.0	437.9	
97 1,1,2,2-Tetrachloroethane	83	9.586	9.586	0.000	97	224372	50.0	45.1	
101 Bromobenzene	156	9.592	9.592	0.000	92	269653	50.0	48.3	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	63	74283	50.0	48.3	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	1233647	50.0	49.5	
100 1,2,3-Trichloropropane	110	9.635	9.634	0.001	85	76930	50.0	46.2	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	251068	50.0	49.5	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	94	874398	50.0	48.9	
104 3-Chlorotoluene	126	9.817	9.817	0.000	97	270068	50.0	48.3	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	285715	50.0	53.0	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	193931	50.0	48.6	
107 1,2,4-Trimethylbenzene	105	10.170	10.164	0.006	97	895621	50.0	48.2	
108 Pentachloroethane	167	10.194	10.194	0.000	91	134645	50.0	68.9	
109 sec-Butylbenzene	105	10.316	10.322	-0.006	95	1121555	50.0	49.6	
110 4-Isopropyltoluene	119	10.444	10.444	0.000	96	984786	50.0	50.7	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	510107	50.0	49.1	
114 Dicyclopentadiene	66	10.553	10.553	0.000	96	931395	50.0	46.7	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	512090	50.0	48.9	
112 1,2,3-Trimethylbenzene	105	10.571	10.571	0.000	98	883701	50.0	47.9	
150 Benzyl chloride	126	10.687	10.687	0.000	99	96163	50.0	57.9	
115 n-Butylbenzene	91	10.821	10.821	0.000	97	902005	50.0	51.5	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	466674	50.0	48.1	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	85	43060	50.0	44.4	
118 1,3,5-Trichlorobenzene	180	11.709	11.709	0.000	97	362953	50.0	51.6	
119 1,2,4-Trichlorobenzene	180	12.226	12.220	0.006	94	322853	50.0	49.8	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	97	196167	50.0	51.2	
121 Naphthalene	128	12.451	12.445	0.006	97	743252	50.0	44.8	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	286056	50.0	48.0	
149 2-Methylnaphthalene	142	13.498	13.498	0.000	92	443295	50.0	46.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags
M - Manually Integrated

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

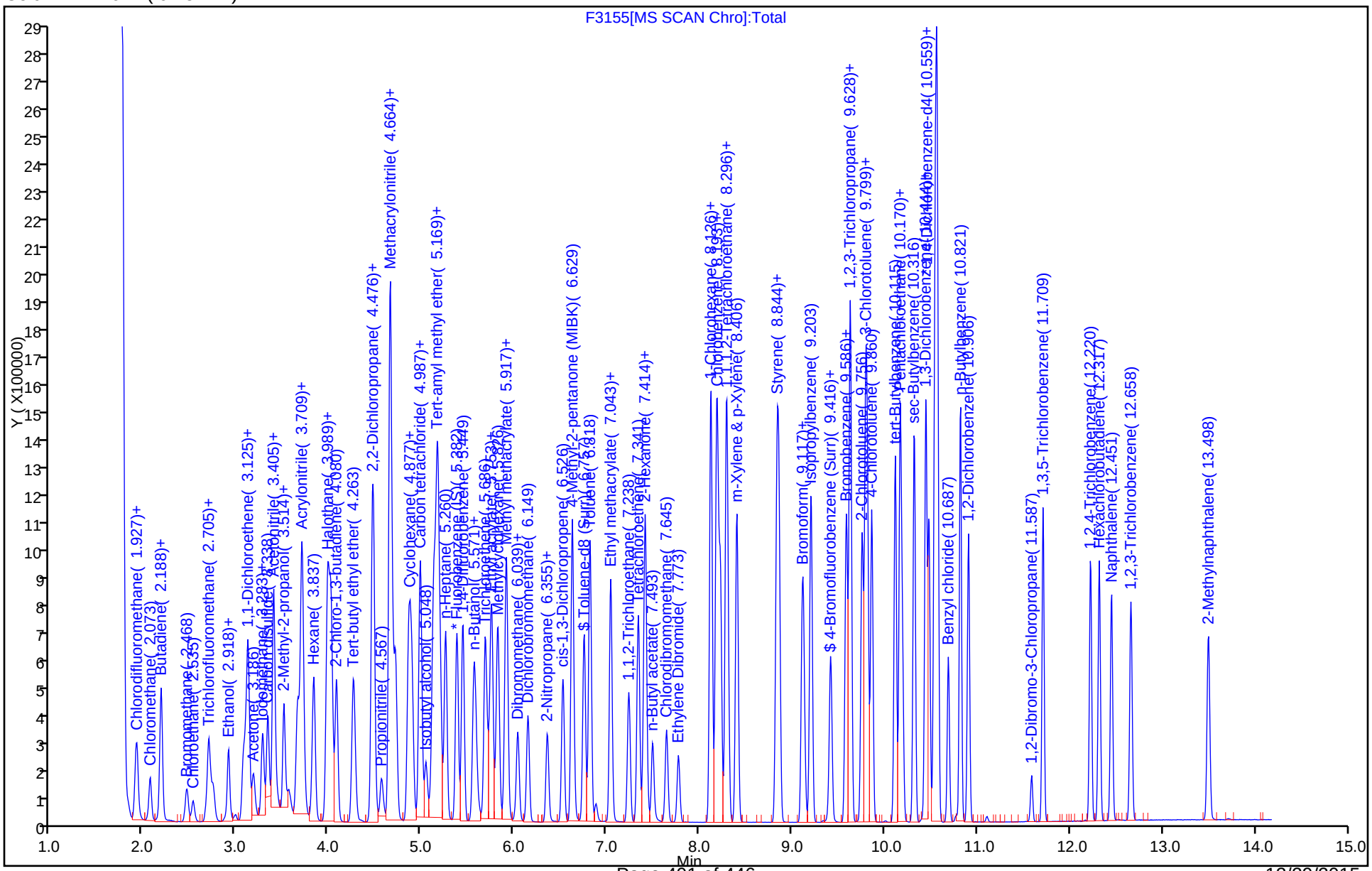
Report Date: 15-Dec-2015 14:38:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151215-49231.b\F3155.D

Injection Date:	15-Dec-2015 12:48:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	LCS 480-279767/1-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279982/1-A

Matrix: Solid | Lab File ID: F3199.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/16/2015 10:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	45.1		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	49.4		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	47.4		5.0	1.1
79-00-5	1,1,2-Trichloroethane	47.9		5.0	0.65
75-34-3	1,1-Dichloroethane	46.9		5.0	0.61
75-35-4	1,1-Dichloroethene	46.6		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	44.3		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	45.5		5.0	2.5
106-93-4	1,2-Dibromoethane	48.0		5.0	0.64
95-50-1	1,2-Dichlorobenzene	44.4		5.0	0.39
107-06-2	1,2-Dichloroethane	48.8		5.0	0.25
78-87-5	1,2-Dichloropropane	46.4		5.0	2.5
541-73-1	1,3-Dichlorobenzene	44.2		5.0	0.26
106-46-7	1,4-Dichlorobenzene	44.3		5.0	0.70
78-93-3	2-Butanone (MEK)	296		25	1.8
591-78-6	2-Hexanone	280		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	263		25	1.6
67-64-1	Acetone	306		25	4.2
71-43-2	Benzene	46.0		5.0	0.25
75-27-4	Bromodichloromethane	46.7		5.0	0.67
75-25-2	Bromoform	44.5		5.0	2.5
74-83-9	Bromomethane	49.3		5.0	0.45
75-15-0	Carbon disulfide	41.8		5.0	2.5
56-23-5	Carbon tetrachloride	44.0		5.0	0.48
108-90-7	Chlorobenzene	44.0		5.0	0.66
75-00-3	Chloroethane	49.1		5.0	1.1
67-66-3	Chloroform	47.1		5.0	0.31
74-87-3	Chloromethane	48.5		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	46.5		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	46.4		5.0	0.72
110-82-7	Cyclohexane	42.5		5.0	0.70
124-48-1	Dibromochloromethane	46.6		5.0	0.64
75-71-8	Dichlorodifluoromethane	41.7		5.0	0.41
100-41-4	Ethylbenzene	43.6		5.0	0.35
98-82-8	Isopropylbenzene	42.8		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-279982/1-A

Matrix: Solid | Lab File ID: F3199.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 12/16/2015 10:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	275		5.0	3.0
1634-04-4	Methyl tert-butyl ether	49.6		5.0	0.49
108-87-2	Methylcyclohexane	42.5		5.0	0.76
75-09-2	Methylene Chloride	49.5		5.0	2.3
100-42-5	Styrene	43.9		5.0	0.25
127-18-4	Tetrachloroethene	42.9		5.0	0.67
108-88-3	Toluene	42.9		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	45.7		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	48.5		5.0	2.2
79-01-6	Trichloroethene	45.1		5.0	1.1
75-69-4	Trichlorofluoromethane	51.8		5.0	0.47
75-01-4	Vinyl chloride	48.5		5.0	0.61
1330-20-7	Xylenes, Total	86.1		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	105		72-126
2037-26-5	Toluene-d8 (Surr)	102		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3199.D
Lims ID: LCS 480-279982/1-A
Client ID:
Sample Type: LCS
Inject. Date: 16-Dec-2015 10:18:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-279982/1-A
Misc. Info.: 480-0049277-005
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 13:48:18 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 16-Dec-2015 11:22:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	134716	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	87	289402	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	273786	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.853	4.859	-0.006	92	165401	50.0	53.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	101048	50.0	54.3	
$ 5 Toluene-d8 (Surr)	98	6.751	6.757	-0.006	93	608586	50.0	50.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.415	9.416	-0.001	90	199245	50.0	52.3	
10 Dichlorodifluoromethane	85	1.914	1.908	0.006	99	221971	50.0	41.7	
12 Chloromethane	50	2.066	2.060	0.006	99	182527	50.0	48.5	
13 Vinyl chloride	62	2.182	2.176	0.006	97	172367	50.0	48.5	
151 Butadiene	54	2.188	2.182	0.006	91	161240	50.0	48.2	
14 Bromomethane	94	2.462	2.462	0.000	93	96757	50.0	49.3	
15 Chloroethane	64	2.529	2.529	0.000	99	72434	50.0	49.1	
16 Dichlorofluoromethane	67	2.693	2.693	0.000	97	229403	50.0	50.2	
17 Trichlorofluoromethane	101	2.711	2.711	0.000	100	263013	50.0	51.8	
18 Ethyl ether	59	2.912	2.912	0.000	87	175406	50.0	56.3	
20 Acrolein	56	3.070	3.070	0.000	99	173238	250.0	289.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.101	0.006	93	188171	50.0	47.4	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	179791	50.0	46.6	
23 Acetone	43	3.180	3.180	0.000	99	332214	250.0	306.1	
25 Iodomethane	142	3.283	3.277	0.006	98	329887	50.0	45.5	
26 Carbon disulfide	76	3.338	3.338	0.000	99	528148	50.0	41.8	
28 3-Chloro-1-propene	41	3.405	3.399	0.006	84	237514	50.0	45.2	
27 Methyl acetate	43	3.399	3.399	0.000	97	708238	250.0	275.0	
30 Methylene Chloride	84	3.514	3.508	0.006	86	205273	50.0	49.5	
31 2-Methyl-2-propanol	59	3.563	3.563	0.000	98	195585	500.0	503.0	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	94	621860	50.0	49.6	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	96	194724	50.0	45.7	
33 Acrylonitrile	53	3.715	3.715	0.000	98	645157	500.0	547.3	
35 Hexane	57	3.831	3.831	0.000	93	249589	50.0	38.8	
37 Vinyl acetate	43	4.013	4.013	0.000	97	754007	100.0	106.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	4.031	4.025	0.006	96	326722	50.0	46.9	
43 2-Butanone (MEK)	43	4.470	4.469	0.001	98	467366	250.0	295.6	
44 2,2-Dichloropropane	77	4.470	4.469	0.001	86	287359	50.0	46.1	
45 cis-1,2-Dichloroethene	96	4.482	4.476	0.006	80	213421	50.0	46.5	
48 Chlorobromomethane	128	4.682	4.682	0.000	86	109863	50.0	48.2	
49 Tetrahydrofuran	42	4.707	4.707	0.000	79	117076	100.0	109.3	
50 Chloroform	83	4.719	4.719	0.000	95	357647	50.0	47.1	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	97	304650	50.0	45.1	
52 Cyclohexane	56	4.889	4.889	0.000	87	252012	50.0	42.5	
54 1,1-Dichloropropene	75	4.981	4.980	0.001	96	262019	50.0	44.2	
55 Carbon tetrachloride	117	4.987	4.987	0.000	98	266220	50.0	44.0	
53 Isobutyl alcohol	43	5.041	5.047	-0.006	90	182812	1250.0	1371.5	
57 Benzene	78	5.169	5.163	0.006	96	747963	50.0	46.0	
58 1,2-Dichloroethane	62	5.206	5.199	0.007	97	287436	50.0	48.8	
59 n-Heptane	43	5.260	5.254	0.006	85	231029	50.0	40.6	
62 Trichloroethene	95	5.686	5.686	0.000	98	199633	50.0	45.1	
64 Methylcyclohexane	83	5.820	5.820	0.000	87	316566	50.0	42.5	
65 1,2-Dichloropropane	63	5.905	5.905	0.000	90	166247	50.0	46.4	
66 1,4-Dioxane	88	6.015	6.021	-0.006	91	36794	1000.0	984.7	
67 Dibromomethane	93	6.033	6.033	0.000	95	128985	50.0	49.0	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	256126	50.0	46.7	
69 2-Chloroethyl vinyl ether	63	6.355	6.355	0.000	94	101462	50.0	47.3	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	303031	50.0	46.4	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	95	903267	250.0	263.5	
74 Toluene	92	6.818	6.818	0.000	98	473412	50.0	42.9	
75 Ethyl methacrylate	69	7.043	7.043	0.000	73	250360	50.0	49.2	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	95	294937	50.0	48.5	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	93	143446	50.0	47.9	
81 Tetrachloroethene	166	7.341	7.341	0.000	97	208723	50.0	42.9	
82 1,3-Dichloropropane	76	7.402	7.402	0.000	96	297822	50.0	47.5	
80 2-Hexanone	43	7.414	7.414	0.000	94	687913	250.0	280.3	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	193547	50.0	46.6	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	185921	50.0	48.0	
87 Chlorobenzene	112	8.223	8.223	0.000	94	523136	50.0	44.0	
88 Ethylbenzene	91	8.290	8.290	0.000	98	873638	50.0	43.6	
89 1,1,1,2-Tetrachloroethane	131	8.302	8.302	0.000	94	180723	50.0	45.0	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	100	342659	50.0	42.4	
91 o-Xylene	106	8.838	8.837	0.001	96	334369	50.0	43.7	
92 Styrene	104	8.856	8.856	0.000	94	566559	50.0	43.9	
95 Bromoform	173	9.136	9.129	0.007	95	107985	50.0	44.5	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	838321	50.0	42.8	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	97	230294	50.0	49.4	
101 Bromobenzene	156	9.592	9.586	0.006	92	233965	50.0	44.8	
98 trans-1,4-Dichloro-2-buten	53	9.628	9.628	0.000	61	73178	50.0	50.8	
99 N-Propylbenzene	91	9.628	9.628	0.000	98	1004460	50.0	43.1	
100 1,2,3-Trichloropropane	110	9.634	9.634	0.000	84	77864	50.0	49.9	
103 2-Chlorotoluene	126	9.756	9.756	0.000	96	205699	50.0	43.3	
102 1,3,5-Trimethylbenzene	105	9.793	9.793	0.000	93	720172	50.0	43.0	
105 4-Chlorotoluene	126	9.860	9.859	0.001	98	217628	50.0	43.1	
106 tert-Butylbenzene	134	10.115	10.115	0.000	91	156008	50.0	41.8	
107 1,2,4-Trimethylbenzene	105	10.164	10.164	0.000	97	741975	50.0	42.7	
109 sec-Butylbenzene	105	10.316	10.316	0.000	95	895586	50.0	42.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.444	10.443	0.001	96	782893	50.0	43.1	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	429459	50.0	44.2	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	434346	50.0	44.3	
115 n-Butylbenzene	91	10.815	10.815	0.000	98	701583	50.0	42.7	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	403356	50.0	44.4	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.587	-0.006	85	41298	50.0	45.5	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	268809	50.0	44.3	
120 Hexachlorobutadiene	225	12.317	12.317	0.000	98	148111	50.0	41.3	
121 Naphthalene	128	12.445	12.445	0.000	97	710713	50.0	45.8	
122 1,2,3-Trichlorobenzene	180	12.658	12.658	0.000	95	254010	50.0	45.5	

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

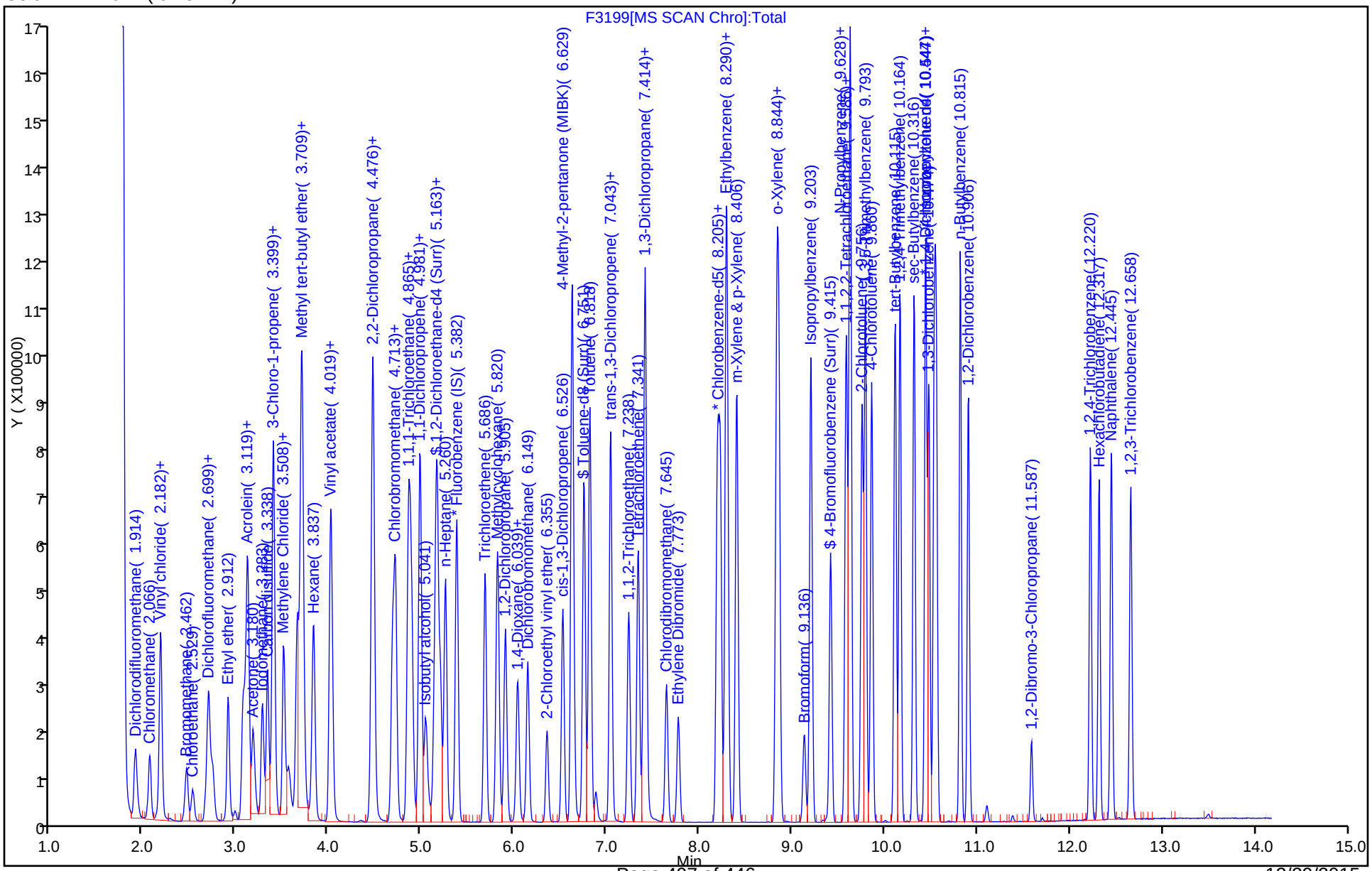
Report Date: 16-Dec-2015 13:48:20 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3199.D

Injection Date:	16-Dec-2015 10:18:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	LCS 480-279982/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280904/1-A

Matrix: Solid | Lab File ID: C60020.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/22/2015 23:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 281182 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1980		100	28
79-34-5	1,1,2,2-Tetrachloroethane	2210		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2070		100	50
79-00-5	1,1,2-Trichloroethane	2360		100	21
75-34-3	1,1-Dichloroethane	2060		100	31
75-35-4	1,1-Dichloroethene	2030		100	34
120-82-1	1,2,4-Trichlorobenzene	2460		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	1880		100	50
106-93-4	1,2-Dibromoethane	2330		100	17
95-50-1	1,2-Dichlorobenzene	2260		100	25
107-06-2	1,2-Dichloroethane	1880		100	41
78-87-5	1,2-Dichloropropane	2100		100	16
541-73-1	1,3-Dichlorobenzene	2300		100	27
106-46-7	1,4-Dichlorobenzene	2280		100	14
78-93-3	2-Butanone (MEK)	13500		500	300
591-78-6	2-Hexanone	15400		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	10600		500	32
67-64-1	Acetone	11300		500	410
71-43-2	Benzene	2060		100	19
75-27-4	Bromodichloromethane	2000		100	20
75-25-2	Bromoform	2280		100	50
74-83-9	Bromomethane	1070		100	22
75-15-0	Carbon disulfide	2040		100	45
56-23-5	Carbon tetrachloride	2090		100	25
108-90-7	Chlorobenzene	2370		100	13
75-00-3	Chloroethane	2020		100	21
67-66-3	Chloroform	1950		100	68
74-87-3	Chloromethane	1720		100	24
156-59-2	cis-1,2-Dichloroethene	2060		100	27
10061-01-5	cis-1,3-Dichloropropene	2070		100	24
110-82-7	Cyclohexane	2110		100	22
124-48-1	Dibromochloromethane	2280		100	48
75-71-8	Dichlorodifluoromethane	1550		100	43
100-41-4	Ethylbenzene	2290		100	29
98-82-8	Isopropylbenzene	2210		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280904/1-A

Matrix: Solid | Lab File ID: C60020.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/22/2015 23:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 281182 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	10500		100	47
1634-04-4	Methyl tert-butyl ether	1980		100	38
108-87-2	Methylcyclohexane	2180		100	47
75-09-2	Methylene Chloride	2120		100	20
100-42-5	Styrene	2320		100	24
127-18-4	Tetrachloroethene	2610		100	13
108-88-3	Toluene	2390		100	27
156-60-5	trans-1,2-Dichloroethene	2100		100	24
10061-02-6	trans-1,3-Dichloropropene	2310		100	9.8
79-01-6	Trichloroethene	2080		100	28
75-69-4	Trichlorofluoromethane	1980		100	47
75-01-4	Vinyl chloride	1970		100	33
1330-20-7	Xylenes, Total	4740		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		53-146
460-00-4	4-Bromofluorobenzene (Surr)	105		49-148
2037-26-5	Toluene-d8 (Surr)	99		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60020.D
Lims ID: LCS 480-280904/1-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Dec-2015 23:51:30 ALS Bottle#: 30 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs 480-280904/1-a
Misc. Info.: 480-0049508-007
Operator ID: SO Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 00:20:09 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: o'briens Date: 23-Dec-2015 00:20:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	141061	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	87	263796	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	93	269732	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	159392	25.0	21.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	104035	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	548727	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	90	201520	25.0	26.3	
10 Dichlorodifluoromethane	85	4.436	4.460	-0.024	100	226722	25.0	15.5	
11 Chlorodifluoromethane	51	4.471	4.483	-0.012	97	252393	25.0	23.9	
12 Chloromethane	50	4.839	4.851	-0.012	98	264830	25.0	17.3	
13 Vinyl chloride	62	5.076	5.088	-0.012	98	262635	25.0	19.8	
151 Butadiene	54	5.124	5.136	-0.012	88	266942	25.0	19.3	
14 Bromomethane	94	5.657	5.693	-0.036	92	98547	25.0	10.8	
15 Chloroethane	64	5.800	5.835	-0.035	100	172255	25.0	20.3	
16 Dichlorofluoromethane	67	6.108	6.120	-0.012	98	448658	25.0	19.9	
17 Trichlorofluoromethane	101	6.155	6.167	-0.012	99	419074	25.0	19.8	
148 Ethanol	45	6.476	6.416	0.060	75	235926	1000.0	3482.8	
18 Ethyl ether	59	6.476	6.487	-0.011	95	215505	25.0	19.8	
19 Propene oxide	58	6.630	6.630	0.000	96	287243	NC	NC	
20 Acrolein	56	6.725	6.736	-0.011	99	174507	125.0	94.9	
21 1,1,2-Trichloro-1,2,2-trif	101	6.736	6.748	-0.012	92	242003	25.0	20.8	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	216005	25.0	20.4	
23 Acetone	43	6.879	6.879	0.000	100	370074	125.0	113.6	
24 Isopropyl alcohol	45	6.985	6.974	0.011	100	124333	250.0	252.9	
25 Iodomethane	142	7.057	7.057	0.000	99	423903	25.0	20.7	
26 Carbon disulfide	76	7.140	7.140	0.000	99	856274	25.0	20.4	
27 Methyl acetate	43	7.163	7.163	0.000	98	862834	125.0	105.2	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	86	616937	25.0	31.8	
29 Acetonitrile	40	7.223	7.223	0.000	95	174928	250.0	334.3	
30 Methylene Chloride	84	7.341	7.341	0.000	96	249886	25.0	21.3	
31 2-Methyl-2-propanol	59	7.365	7.353	0.012	99	252078	250.0	234.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	96	672257	25.0	19.9	
34 trans-1,2-Dichloroethene	96	7.566	7.578	-0.012	95	238626	25.0	21.1	
33 Acrylonitrile	53	7.578	7.578	0.000	99	890912	250.0	218.5	
35 Hexane	57	7.709	7.721	-0.012	90	357147	25.0	20.4	
135 Halothane	117	7.863	7.863	0.000	95	181971	25.0	26.3	
36 Isopropyl ether	45	7.875	7.875	0.000	94	777965	25.0	23.9	
37 Vinyl acetate	43	7.910	7.922	-0.012	97	1423325	50.0	59.7	
38 1,1-Dimethoxyethane	75	7.970	7.958	0.012	94	216479	125.0	111.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	94	449329	25.0	20.7	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	94	407183	25.0	23.4	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	817938	25.0	23.9	
42 Ethyl acetate	43	8.397	8.397	0.000	96	398535	50.0	44.7	M
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	670703	125.0	135.7	M
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	369345	25.0	20.8	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	257919	25.0	20.7	
46 Propionitrile	54	8.539	8.539	0.000	99	341317	250.0	257.2	
47 Methacrylonitrile	41	8.634	8.646	-0.012	92	1433905	250.0	222.1	
48 Chlorobromomethane	128	8.693	8.693	0.000	90	130134	25.0	21.5	
49 Tetrahydrofuran	42	8.705	8.705	0.000	50	137116	50.0	38.9	
50 Chloroform	83	8.705	8.705	0.000	95	436776	25.0	19.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	99	378529	25.0	19.9	
52 Cyclohexane	56	8.906	8.907	0.000	92	465853	25.0	21.2	
53 Isobutyl alcohol	43	8.954	8.954	0.000	99	247902	625.0	480.0	
54 1,1-Dichloropropene	75	8.978	8.990	-0.012	96	324874	25.0	20.6	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	97	353901	25.0	21.0	
147 t-Amyl alcohol	59	9.049	9.037	0.012	91	200744	250.0	239.9	
152 Isooctane	57	9.096	9.108	-0.012	96	837505	25.0	26.6	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	97	680205	25.0	23.4	
57 Benzene	78	9.179	9.179	0.000	98	915646	25.0	20.7	
59 n-Heptane	43	9.191	9.191	0.000	92	369122	25.0	21.2	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	355099	25.0	18.9	
1 1,4-Difluorobenzene	114	9.405	9.405	0.001	96	730584	25.0	25.6	
60 n-Butanol	56	9.464	9.464	0.000	87	132397	625.0	682.5	
141 2,4,4-Trimethyl-1-pentene	55	9.511	9.511	0.000	96	201135	NC	NC	
142 Ethyl acrylate	55	9.594	9.606	-0.012	89	292518	25.0	12.3	
62 Trichloroethene	95	9.654	9.654	0.000	60	252961	25.0	20.8	
140 2,4,4-Trimethyl-2-pentene	97	9.654	9.654	0.000	77	587634	NC	NC	
63 Methyl methacrylate	41	9.784	9.784	0.000	90	559546	50.0	57.2	M
64 Methylcyclohexane	83	9.796	9.796	0.000	77	393917	25.0	21.9	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	95	245265	25.0	21.1	
66 1,4-Dioxane	88	9.938	9.926	0.012	97	32241	500.0	626.1	
67 Dibromomethane	93	9.997	9.997	0.000	94	150852	25.0	20.0	
68 Dichlorobromomethane	83	10.069	10.069	0.000	99	327535	25.0	20.0	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	91	148158	25.0	20.1	
70 2-Nitropropane	43	10.223	10.235	-0.012	92	155351	50.0	48.4	
71 Epichlorohydrin	57	10.330	10.330	0.000	99	254775	250.0	320.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	382877	25.0	20.8	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	96	1076025	125.0	106.6	
74 Toluene	92	10.650	10.650	0.000	98	585127	25.0	24.0	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	267061	25.0	22.7	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	94	349607	25.0	23.2	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	177741	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 2-Hexanone	43	11.053	11.053	0.000	98	1079533	125.0	154.7	
155 n-Butyl acetate	43	11.053	11.065	-0.012	90	1079533	25.0	72.1	
81 Tetrachloroethene	166	11.088	11.088	0.000	97	300220	25.0	26.2	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	91	358724	25.0	23.5	
83 Chlorodibromomethane	129	11.337	11.338	-0.001	89	251047	25.0	22.9	
84 Ethylene Dibromide	107	11.468	11.468	0.000	99	226111	25.0	23.4	
85 3-Chlorobenzotrifluoride	180	11.610	11.610	0.000	92	404732	25.0	24.5	
146 1-Chlorohexane	55	11.634	11.634	0.000	96	267882	25.0	25.0	
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	96	402074	25.0	25.7	
87 Chlorobenzene	112	11.800	11.800	0.000	95	681824	25.0	23.8	
88 Ethylbenzene	91	11.800	11.800	0.000	97	1118906	25.0	23.0	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	261133	25.0	23.8	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	450401	25.0	23.9	
91 o-Xylene	106	12.239	12.239	0.000	96	447670	25.0	23.7	
92 Styrene	104	12.251	12.251	0.000	94	716577	25.0	23.3	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	96	386579	25.0	24.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1163824	25.0	22.2	
95 Bromoform	173	12.523	12.523	0.000	95	147691	25.0	22.9	
96 Cyclohexanone	55	12.725	12.725	0.000	93	66890	250.0	207.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	269593	25.0	22.2	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	86	80841	25.0	18.1	
99 N-Propylbenzene	91	12.855	12.844	0.011	98	1327580	25.0	22.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	85857	25.0	21.7	
101 Bromobenzene	156	12.915	12.915	0.000	90	310874	25.0	23.0	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	999216	25.0	22.3	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	319336	25.0	27.4	
104 3-Chlorotoluene	126	13.057	13.057	0.000	96	306244	25.0	25.1	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	321651	25.0	25.9	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	219537	25.0	22.6	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	97	1033607	25.0	22.4	
108 Pentachloroethane	167	13.425	13.425	0.000	90	172184	25.0	27.1	
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1267876	25.0	22.9	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	1063496	25.0	22.6	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	99	600622	25.0	23.1	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	98	1056126	25.0	22.9	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	612880	25.0	22.9	
114 Dicyclopentadiene	66	13.828	13.828	0.000	93	318725	25.0	21.6	
150 Benzyl chloride	126	13.923	13.923	0.000	99	113604	25.0	28.3	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	932643	25.0	22.5	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	573798	25.0	22.7	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.109	0.000	83	49160	25.0	18.8	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	97	446648	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	419647	25.0	24.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	96	169659	25.0	25.1	
121 Naphthalene	128	16.579	16.579	0.000	97	857690	25.0	23.1	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	96	393693	25.0	24.1	
149 2-Methylnaphthalene	142	18.524	18.536	-0.012	93	497287	25.0	24.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

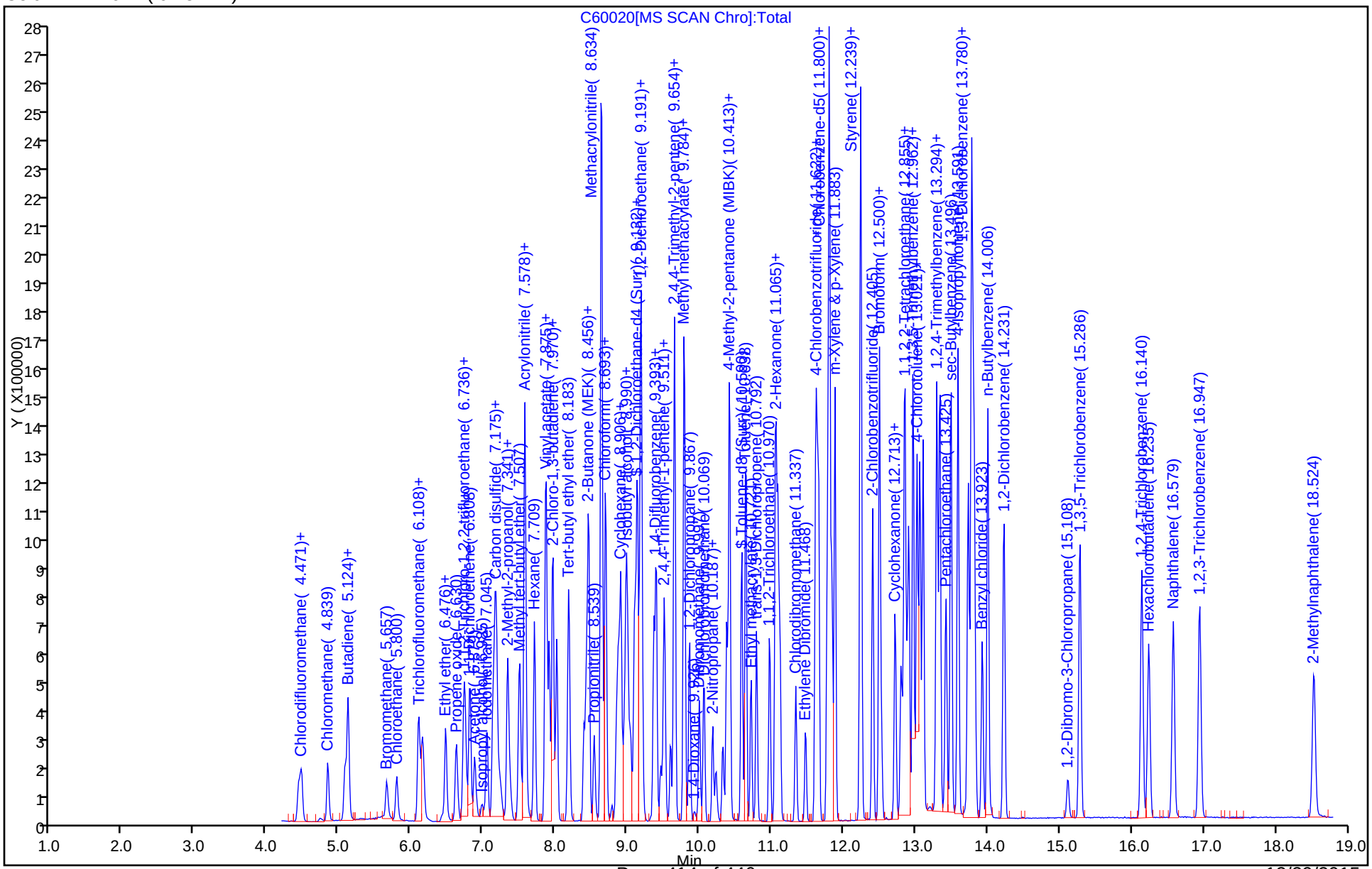
Report Date: 23-Dec-2015 00:20:10 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60020.D

Injection Date:	22-Dec-2015 23:51:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	LCS 480-280904/1-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

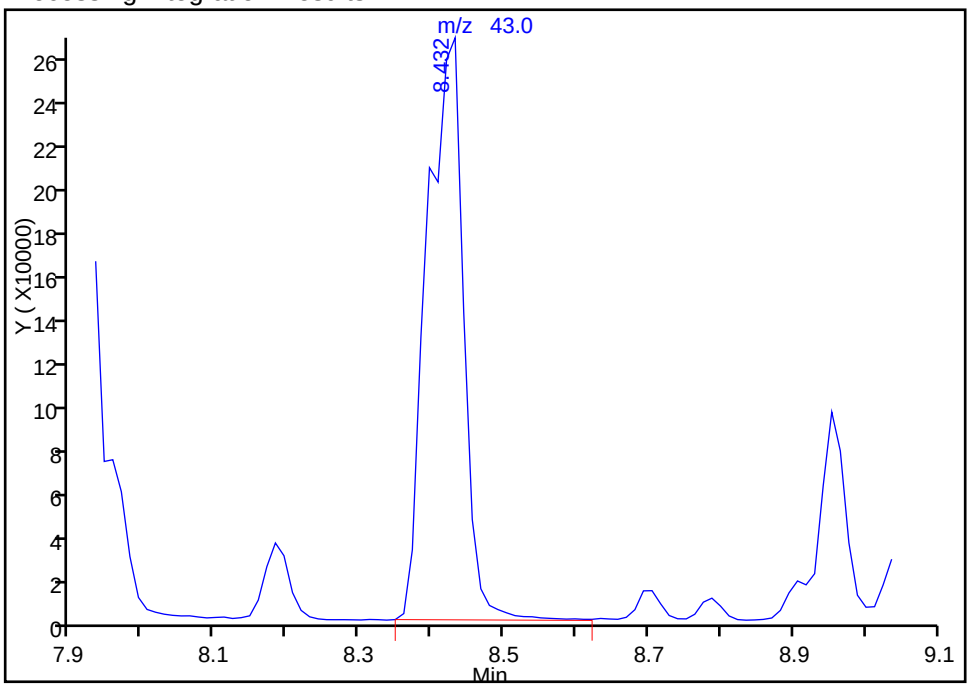
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60020.D
Injection Date: 22-Dec-2015 23:51:30 Instrument ID: HP5973C
Lims ID: LCS 480-280904/1-A
Client ID:
Operator ID: SO ALS Bottle#: 30 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

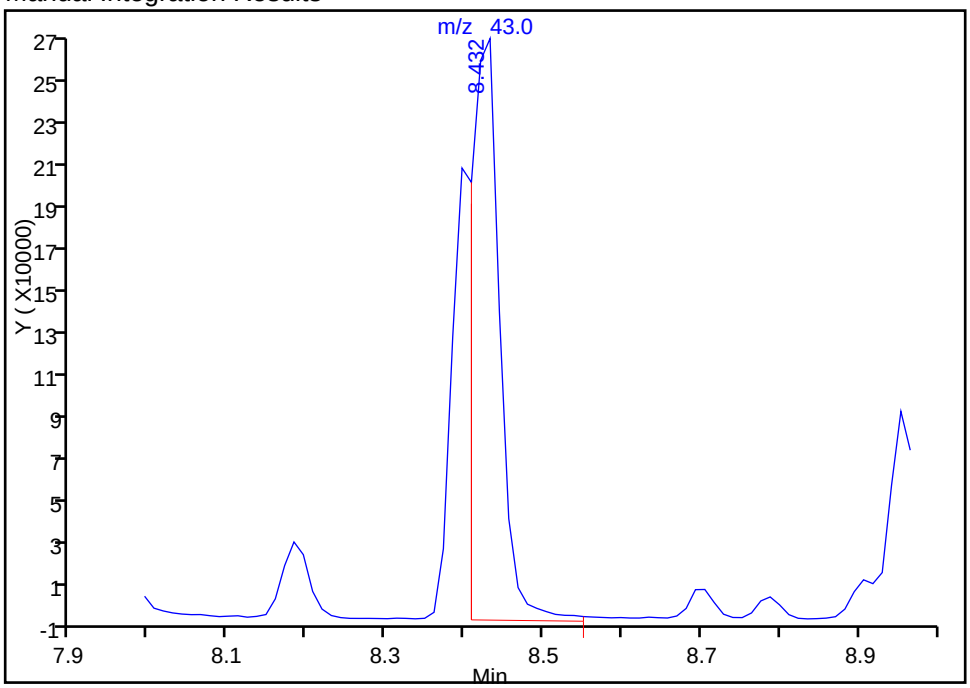
Processing Integration Results

RT: 8.43
Area: 925589
Amount: 187.2131
Amount Units: ug/L



Manual Integration Results

RT: 8.43
Area: 670703
Amount: 135.6589
Amount Units: ug/L



Reviewer: o'briens, 23-Dec-2015 00:20:09
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S2 MS | Lab Sample ID: 480-92542-5 MS

Matrix: Solid | Lab File ID: F3218.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:30

Sample wt/vol: 5.15(g) | Date Analyzed: 12/16/2015 18:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	49.6		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	81.8		5.3	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	47.4		5.3	1.2
79-00-5	1,1,2-Trichloroethane	57.7		5.3	0.68
75-34-3	1,1-Dichloroethane	50.3		5.3	0.64
75-35-4	1,1-Dichloroethene	49.0		5.3	0.64
120-82-1	1,2,4-Trichlorobenzene	2.65	J	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		5.3	2.6
106-93-4	1,2-Dibromoethane	29.6		5.3	0.68
95-50-1	1,2-Dichlorobenzene	15.7		5.3	0.41
107-06-2	1,2-Dichloroethane	38.4		5.3	0.26
78-87-5	1,2-Dichloropropane	37.6		5.3	2.6
541-73-1	1,3-Dichlorobenzene	14.4		5.3	0.27
106-46-7	1,4-Dichlorobenzene	12.7		5.3	0.74
78-93-3	2-Butanone (MEK)	209		26	1.9
591-78-6	2-Hexanone	119		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	269		26	1.7
67-64-1	Acetone	244		26	4.4
71-43-2	Benzene	42.3		5.3	0.26
75-27-4	Bromodichloromethane	36.8		5.3	0.70
75-25-2	Bromoform	23.9		5.3	2.6
74-83-9	Bromomethane	76.7		5.3	0.47
75-15-0	Carbon disulfide	41.7		5.3	2.6
56-23-5	Carbon tetrachloride	43.8		5.3	0.51
108-90-7	Chlorobenzene	27.4		5.3	0.69
75-00-3	Chloroethane	74.1		5.3	1.2
67-66-3	Chloroform	48.9		5.3	0.33
74-87-3	Chloromethane	66.7		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	45.8		5.3	0.67
10061-01-5	cis-1,3-Dichloropropene	21.9		5.3	0.76
110-82-7	Cyclohexane	35.9		5.3	0.74
124-48-1	Dibromochloromethane	46.8		5.3	0.67
75-71-8	Dichlorodifluoromethane	53.9		5.3	0.43
100-41-4	Ethylbenzene	23.3		5.3	0.36
98-82-8	Isopropylbenzene	53.7		5.3	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S2 MS | Lab Sample ID: 480-92542-5 MS

Matrix: Solid | Lab File ID: F3218.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:30

Sample wt/vol: 5.15(g) | Date Analyzed: 12/16/2015 18:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	222		5.3	3.2
1634-04-4	Methyl tert-butyl ether	52.6		5.3	0.52
108-87-2	Methylcyclohexane	20.4		5.3	0.80
75-09-2	Methylene Chloride	64.5		5.3	2.4
100-42-5	Styrene	12.6		5.3	0.26
127-18-4	Tetrachloroethene	37.8		5.3	0.71
108-88-3	Toluene	46.1		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	43.0		5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	27.0		5.3	2.3
79-01-6	Trichloroethene	29.3		5.3	1.2
75-69-4	Trichlorofluoromethane	62.8		5.3	0.50
75-01-4	Vinyl chloride	63.1		5.3	0.64
1330-20-7	Xylenes, Total	45.5		11	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		64-126
460-00-4	4-Bromofluorobenzene (Surr)	36	X *	72-126
2037-26-5	Toluene-d8 (Surr)	129	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3218.D
Lims ID: 480-92542-A-5-F MS
Client ID: B32-AREA2-S2
Sample Type: MS
Inject. Date: 16-Dec-2015 18:42:30 ALS Bottle#: 17 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-5-F MS
Misc. Info.: 480-0049277-024
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 17:22:43 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 19:25:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	101777	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	87	103368	50.0	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	36000	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	65890	50.0	46.9	
$ 5 Toluene-d8 (Surr)	98	6.751	6.757	-0.006	93	275869	50.0	64.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.416	9.416	0.000	90	24489	50.0	18.0	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	99	206167		51.2	
12 Chloromethane	50	2.067	2.060	0.007	99	180468		63.5	
13 Vinyl chloride	62	2.182	2.176	0.006	98	161072		60.0	
14 Bromomethane	94	2.462	2.462	0.000	92	108136		72.9	
15 Chloroethane	64	2.529	2.529	0.000	99	78546		70.5	
17 Trichlorofluoromethane	101	2.711	2.711	0.000	86	228785		59.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.101	0.006	94	135122		45.0	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	135777		46.6	
23 Acetone	43	3.186	3.180	0.006	100	190403		232.2	
26 Carbon disulfide	76	3.338	3.338	0.000	99	377946		39.6	
27 Methyl acetate	43	3.399	3.399	0.000	95	410400		211.0	
30 Methylene Chloride	84	3.514	3.508	0.006	85	190833		61.4	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	94	473281		50.0	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	96	131603		40.8	
39 1,1-Dichloroethane	63	4.032	4.025	0.007	96	251393		47.8	
43 2-Butanone (MEK)	43	4.470	4.469	0.001	97	236905		198.3	
45 cis-1,2-Dichloroethene	96	4.482	4.476	0.006	82	151056		43.6	
50 Chloroform	83	4.719	4.719	0.000	95	267252		46.5	
51 1,1,1-Trichloroethane	97	4.859	4.859	0.000	97	240807		47.1	
52 Cyclohexane	56	4.889	4.889	0.000	87	152604		34.1	
55 Carbon tetrachloride	117	4.987	4.987	0.000	98	190471		41.7	
57 Benzene	78	5.163	5.163	0.000	96	494932		40.2	
58 1,2-Dichloroethane	62	5.200	5.199	0.001	97	162439		36.5	
62 Trichloroethene	95	5.686	5.686	0.000	97	93083		27.8	
64 Methylcyclohexane	83	5.820	5.820	0.000	87	108940		19.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63	5.905	5.905	0.000	90	96889		35.8	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	144925		35.0	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	102567		20.8	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	95	312682		255.4	
74 Toluene	92	6.818	6.818	0.000	98	172472		43.8	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	96	55740		25.7	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	92	58675		54.9	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	62468		36.0	
80 2-Hexanone	43	7.420	7.414	0.006	94	98841		112.8	
83 Chlorodibromomethane	129	7.645	7.645	0.000	88	66076		44.5	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	38991		28.2	
87 Chlorobenzene	112	8.223	8.223	0.000	95	110850		26.1	
88 Ethylbenzene	91	8.290	8.290	0.000	98	158648		22.2	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	99	53705		18.6	
91 o-Xylene	106	8.838	8.837	0.001	97	67277		24.6	
92 Styrene	104	8.862	8.856	0.006	94	55186		12.0	
95 Bromoform	173	9.136	9.129	0.007	93	19734		22.8	
94 Isopropylbenzene	105	9.203	9.202	0.001	96	131415		51.1	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	98	47663		77.8	
111 1,3-Dichlorobenzene	146	10.474	10.480	-0.006	94	17536		13.7	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	94	15544		12.0	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	95	17867		14.9	
117 1,2-Dibromo-3-Chloropropan	75	11.581	11.587	-0.006	80	2023		16.9	
119 1,2,4-Trichlorobenzene	180	12.226	12.220	0.006	83	2012		2.52	
S 124 Xylenes, Total	1				0			43.2	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

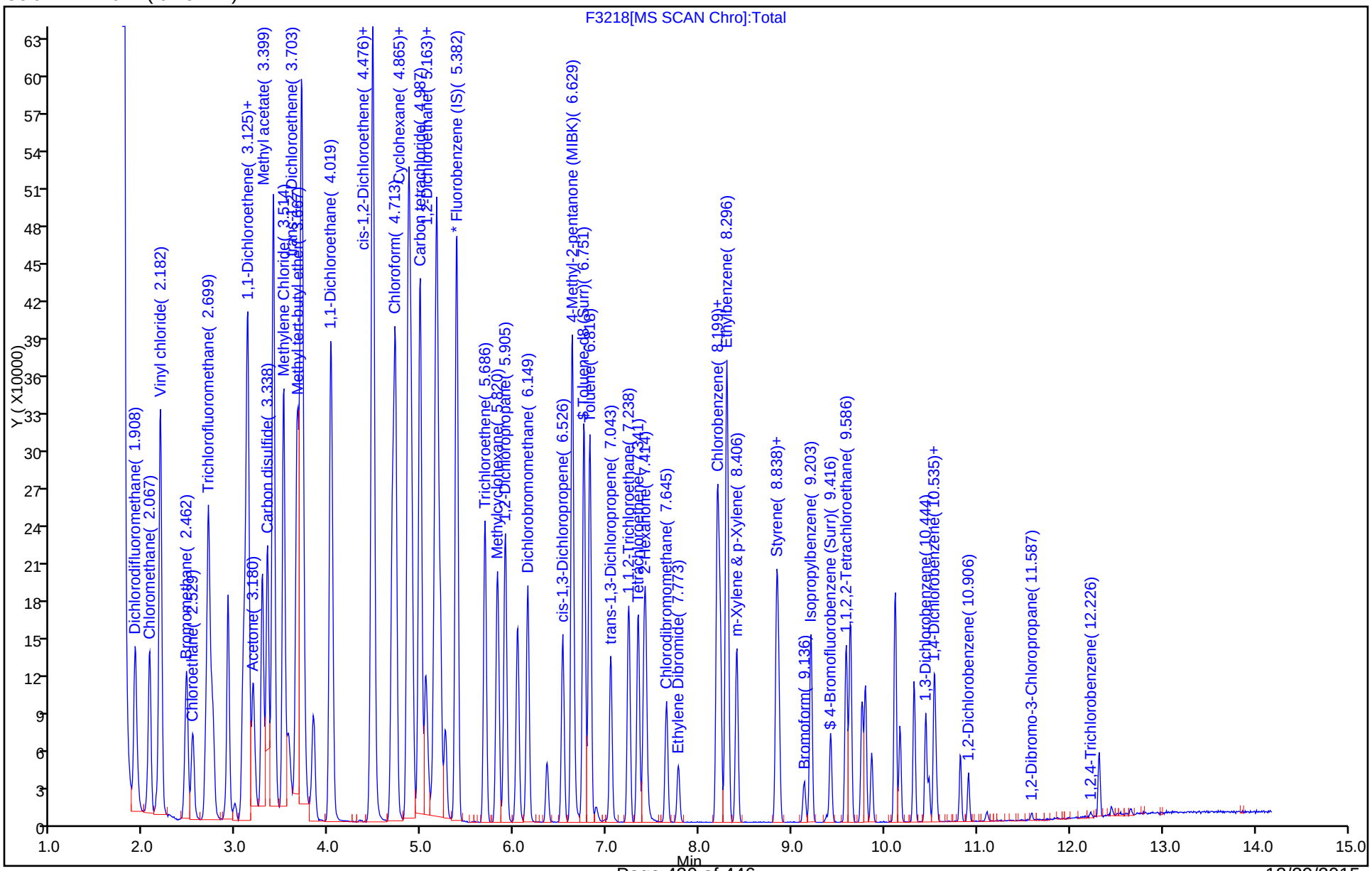
Report Date: 16-Dec-2015 19:25:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3218.D

Injection Date:	16-Dec-2015 18:42:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-5-F MS			Worklist Smp#:	24
Client ID:	B32-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S2 MSD | Lab Sample ID: 480-92542-5 MSD

Matrix: Solid | Lab File ID: F3219.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:30

Sample wt/vol: 5.14(g) | Date Analyzed: 12/16/2015 19:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	35.6		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	29.3		5.3	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	34.4		5.3	1.2
79-00-5	1,1,2-Trichloroethane	30.4		5.3	0.68
75-34-3	1,1-Dichloroethane	36.3		5.3	0.64
75-35-4	1,1-Dichloroethene	33.7		5.3	0.64
120-82-1	1,2,4-Trichlorobenzene	3.97	J	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	16.0		5.3	2.6
106-93-4	1,2-Dibromoethane	24.6		5.3	0.68
95-50-1	1,2-Dichlorobenzene	15.1		5.3	0.41
107-06-2	1,2-Dichloroethane	33.9		5.3	0.26
78-87-5	1,2-Dichloropropane	33.4		5.3	2.6
541-73-1	1,3-Dichlorobenzene	13.1		5.3	0.27
106-46-7	1,4-Dichlorobenzene	12.8		5.3	0.74
78-93-3	2-Butanone (MEK)	172		26	1.9
591-78-6	2-Hexanone	127		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	145		26	1.7
67-64-1	Acetone	190		26	4.4
71-43-2	Benzene	33.5		5.3	0.26
75-27-4	Bromodichloromethane	32.9		5.3	0.71
75-25-2	Bromoform	21.5		5.3	2.6
74-83-9	Bromomethane	52.5		5.3	0.47
75-15-0	Carbon disulfide	27.6		5.3	2.6
56-23-5	Carbon tetrachloride	32.7		5.3	0.51
108-90-7	Chlorobenzene	22.9		5.3	0.70
75-00-3	Chloroethane	50.7		5.3	1.2
67-66-3	Chloroform	36.9		5.3	0.33
74-87-3	Chloromethane	45.8		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	34.4		5.3	0.67
10061-01-5	cis-1,3-Dichloropropene	27.4		5.3	0.76
110-82-7	Cyclohexane	28.4		5.3	0.74
124-48-1	Dibromochloromethane	28.0		5.3	0.67
75-71-8	Dichlorodifluoromethane	36.3		5.3	0.44
100-41-4	Ethylbenzene	20.5		5.3	0.36
98-82-8	Isopropylbenzene	20.3		5.3	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92542-1

SDG No.:

Client Sample ID: B32-AREA2-S2 MSD | Lab Sample ID: 480-92542-5 MSD

Matrix: Solid | Lab File ID: F3219.D

Analysis Method: 8260C | Date Collected: 12/10/2015 11:30

Sample wt/vol: 5.14(g) | Date Analyzed: 12/16/2015 19:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 279993 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	170		5.3	3.2
1634-04-4	Methyl tert-butyl ether	39.8		5.3	0.52
108-87-2	Methylcyclohexane	21.6		5.3	0.80
75-09-2	Methylene Chloride	42.5		5.3	2.4
100-42-5	Styrene	17.8		5.3	0.26
127-18-4	Tetrachloroethene	22.4		5.3	0.71
108-88-3	Toluene	26.6		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	31.2		5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	23.1		5.3	2.3
79-01-6	Trichloroethene	28.5		5.3	1.2
75-69-4	Trichlorofluoromethane	43.1		5.3	0.50
75-01-4	Vinyl chloride	43.1		5.3	0.64
1330-20-7	Xylenes, Total	42.0		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		64-126
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126
2037-26-5	Toluene-d8 (Surr)	97		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3219.D
Lims ID: 480-92542-A-5-G MSD
Client ID: B32-AREA2-S2
Sample Type: MSD
Inject. Date: 16-Dec-2015 19:08:30 ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92542-A-5-G MSD
Misc. Info.: 480-0049277-025
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Dec-2015 17:22:43 Calib Date: 08-Dec-2015 22:31:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20151208-49053.b\F3010.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: diasn Date: 16-Dec-2015 19:36:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.382	5.382	0.000	99	136121	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.193	8.193	0.000	86	292308	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.535	10.535	0.000	95	236028	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.139	5.139	0.000	0	89049	50.0	47.4	
$ 5 Toluene-d8 (Surr)	98	6.757	6.757	0.000	93	586396	50.0	48.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.422	9.416	0.006	91	181519	50.0	47.2	
10 Dichlorodifluoromethane	85	1.908	1.908	0.000	100	185448		34.4	
12 Chloromethane	50	2.066	2.060	0.006	99	165202		43.4	
13 Vinyl chloride	62	2.182	2.176	0.006	98	146881		40.9	
14 Bromomethane	94	2.462	2.462	0.000	92	98827		49.8	
15 Chloroethane	64	2.529	2.529	0.000	100	71750		48.1	
17 Trichlorofluoromethane	101	2.711	2.711	0.000	99	209841		40.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.107	3.101	0.006	93	130907		32.6	
22 1,1-Dichloroethene	96	3.125	3.125	0.000	98	124622		32.0	
23 Acetone	43	3.186	3.180	0.006	99	198065		180.6	
26 Carbon disulfide	76	3.338	3.338	0.000	99	334734		26.2	
27 Methyl acetate	43	3.399	3.399	0.000	96	419926		161.4	
30 Methylene Chloride	84	3.514	3.508	0.006	86	170691		40.4	
32 Methyl tert-butyl ether	73	3.660	3.660	0.000	94	477807		37.7	
34 trans-1,2-Dichloroethene	96	3.697	3.697	0.000	97	127668		29.6	
39 1,1-Dichloroethane	63	4.031	4.025	0.006	97	242358		34.5	
43 2-Butanone (MEK)	43	4.469	4.469	0.000	98	261120		163.4	
45 cis-1,2-Dichloroethene	96	4.476	4.476	0.000	81	151363		32.6	
50 Chloroform	83	4.719	4.719	0.000	95	268801		35.0	
51 1,1,1-Trichloroethane	97	4.865	4.859	0.006	97	230648		33.8	
52 Cyclohexane	56	4.889	4.889	0.000	86	161070		26.9	
55 Carbon tetrachloride	117	4.993	4.987	0.006	97	189932		31.1	
57 Benzene	78	5.169	5.163	0.006	96	523486		31.8	
58 1,2-Dichloroethane	62	5.200	5.199	0.001	98	191755		32.2	
62 Trichloroethene	95	5.686	5.686	0.000	98	120863		27.0	
64 Methylcyclohexane	83	5.820	5.820	0.000	86	154273		20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63	5.905	5.905	0.000	90	114749		31.7	
68 Dichlorobromomethane	83	6.149	6.148	0.001	99	172768		31.2	
72 cis-1,3-Dichloropropene	75	6.526	6.526	0.000	95	171348		26.0	
73 4-Methyl-2-pentanone (MIBK	43	6.629	6.623	0.006	95	477152		137.8	
74 Toluene	92	6.818	6.818	0.000	99	281006		25.2	
77 trans-1,3-Dichloropropene	75	7.043	7.043	0.000	93	134678		21.9	
79 1,1,2-Trichloroethane	83	7.238	7.237	0.001	93	87286		28.9	
81 Tetrachloroethene	166	7.341	7.341	0.000	96	104218		21.2	
80 2-Hexanone	43	7.420	7.414	0.006	95	298235		120.3	
83 Chlorodibromomethane	129	7.645	7.645	0.000	89	111669		26.6	
84 Ethylene Dibromide	107	7.773	7.773	0.000	98	91380		23.3	
87 Chlorobenzene	112	8.223	8.223	0.000	94	260690		21.7	
88 Ethylbenzene	91	8.290	8.290	0.000	98	393649		19.5	
90 m-Xylene & p-Xylene	106	8.406	8.405	0.001	100	146514		18.0	
91 o-Xylene	106	8.837	8.837	0.000	97	169205		21.9	
92 Styrene	104	8.856	8.856	0.000	94	219547		16.8	
95 Bromoform	173	9.136	9.129	0.007	95	50082		20.4	
94 Isopropylbenzene	105	9.203	9.202	0.000	96	325708		19.3	
97 1,1,2,2-Tetrachloroethane	83	9.580	9.580	0.000	98	111768		27.8	
111 1,3-Dichlorobenzene	146	10.480	10.480	0.000	97	104377		12.4	
113 1,4-Dichlorobenzene	146	10.559	10.559	0.000	95	102549		12.1	
116 1,2-Dichlorobenzene	146	10.906	10.906	0.000	97	112059		14.3	
117 1,2-Dibromo-3-Chloropropan	75	11.587	11.587	0.000	83	11920		15.2	
119 1,2,4-Trichlorobenzene	180	12.220	12.220	0.000	94	19697		3.76	
S 124 Xylenes, Total	1				0			39.9	

Reagents:

F 8260 SURR_00131	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00406	Amount Added:	1.00	Units: uL	Run Reagent

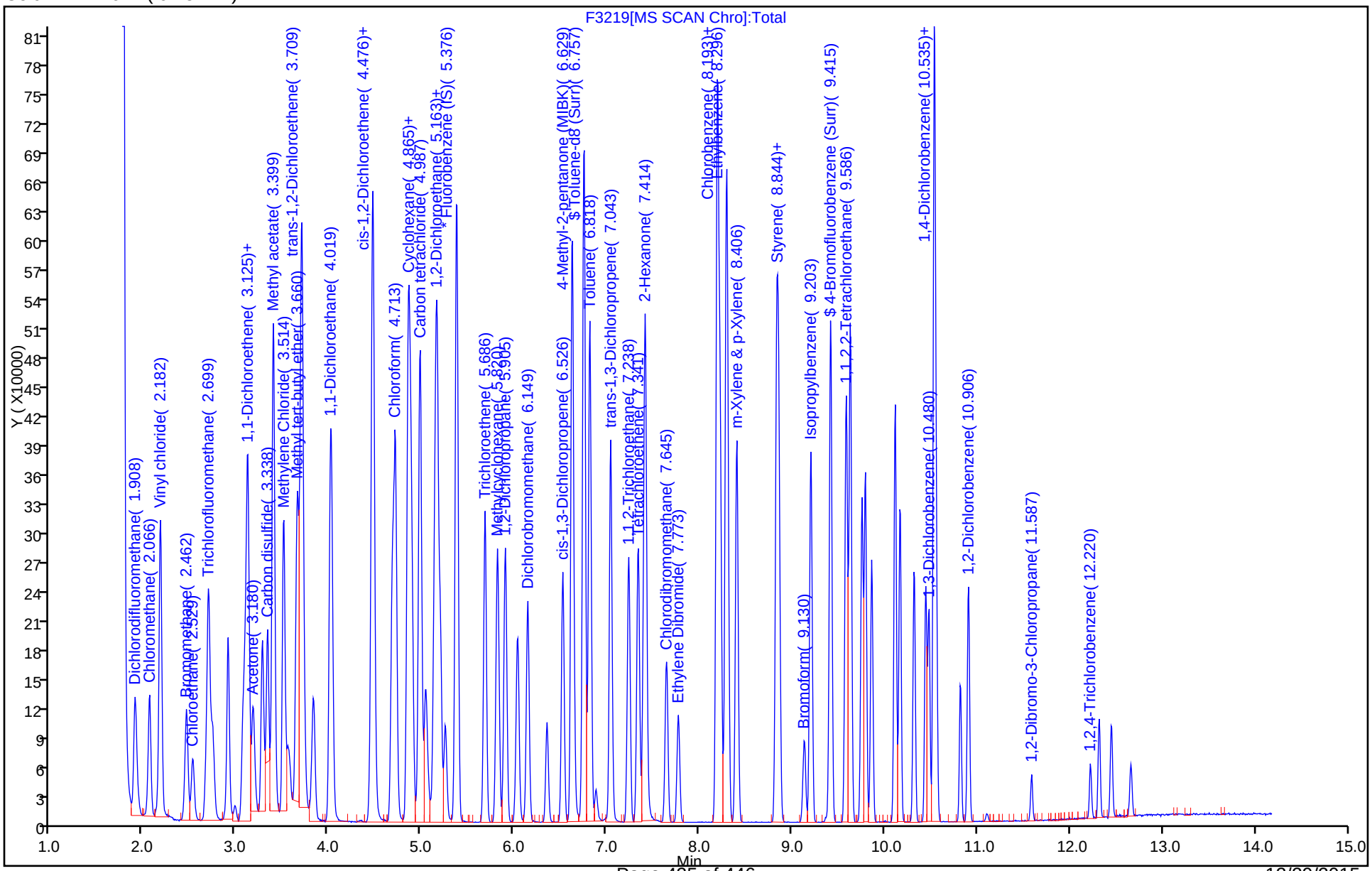
Report Date: 16-Dec-2015 19:36:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20151216-49277.b\F3219.D

Injection Date:	16-Dec-2015 19:08:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-92542-A-5-G MSD			Worklist Smp#:	25
Client ID:	B32-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973C Start Date: 12/11/2015 13:23

Analysis Batch Number: 279331 End Date: 12/12/2015 00:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279331/2		12/11/2015 13:23	1	C59579.D	ZB-624 (30) 0.53(mm)
IC 480-279331/4		12/11/2015 14:15	1	C59581.D	ZB-624 (30) 0.53(mm)
IC 480-279331/5		12/11/2015 14:41	1	C59582.D	ZB-624 (30) 0.53(mm)
IC 480-279331/6		12/11/2015 15:07	1	C59583.D	ZB-624 (30) 0.53(mm)
IC 480-279331/7		12/11/2015 15:58	1	C59584.D	ZB-624 (30) 0.53(mm)
IC 480-279331/8		12/11/2015 16:23	1	C59585.D	ZB-624 (30) 0.53(mm)
ICIS 480-279331/9		12/11/2015 16:49	1	C59586.D	ZB-624 (30) 0.53(mm)
IC 480-279331/10		12/11/2015 17:15	1	C59587.D	ZB-624 (30) 0.53(mm)
IC 480-279331/11		12/11/2015 17:40	1	C59588.D	ZB-624 (30) 0.53(mm)
MDLV 480-279331/13		12/11/2015 18:32	1		ZB-624 (30) 0.53(mm)
MDLV 480-279331/14		12/11/2015 18:57	1		ZB-624 (30) 0.53(mm)
IC 480-279331/16		12/11/2015 19:49	1		ZB-624 (30) 0.53(mm)
IC 480-279331/17		12/11/2015 20:14	1		ZB-624 (30) 0.53(mm)
IC 480-279331/18		12/11/2015 20:40	1		ZB-624 (30) 0.53(mm)
IC 480-279331/19		12/11/2015 21:06	1		ZB-624 (30) 0.53(mm)
IC 480-279331/20		12/11/2015 21:32	1		ZB-624 (30) 0.53(mm)
IC 480-279331/21		12/11/2015 21:58	1		ZB-624 (30) 0.53(mm)
IC 480-279331/22		12/11/2015 22:23	1		ZB-624 (30) 0.53(mm)
MDLV 480-279331/24		12/11/2015 23:15	1		ZB-624 (30) 0.53(mm)
ICV 480-279331/25		12/11/2015 23:40	1		ZB-624 (30) 0.53(mm)
ICV 480-279331/26		12/12/2015 00:06	1		ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973C Start Date: 12/22/2015 22:33

Analysis Batch Number: 281182 End Date: 12/23/2015 09:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-281182/1		12/22/2015 22:33	1	C60017.D	ZB-624 (30) 0.53(mm)
CCVIS 480-281182/2		12/22/2015 23:00	1	C60018.D	ZB-624 (30) 0.53(mm)
CCV 480-281182/3		12/22/2015 23:26	1	C60019.D	ZB-624 (30) 0.53(mm)
LCS 480-280904/1-A		12/22/2015 23:51	1	C60020.D	ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 00:17	1		ZB-624 (30) 0.53(mm)
RL 480-281182/5		12/23/2015 00:43	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 01:08	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 01:33	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 01:59	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 02:25	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 02:51	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 03:16	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 03:41	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 04:07	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 04:33	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 04:59	500		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 05:24	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 05:49	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 06:15	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 06:41	2		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 07:07	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 07:32	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 07:58	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 08:24	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 08:50	500		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 09:15	500		ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/08/2015 15:34

Analysis Batch Number: 278716 End Date: 12/09/2015 00:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-278716/2		12/08/2015 15:34	1	F2994.D	ZB-624 (60) 0.25(mm)
IC 480-278716/4		12/08/2015 16:29	1	F2996.D	ZB-624 (60) 0.25(mm)
IC 480-278716/5		12/08/2015 16:55	1	F2997.D	ZB-624 (60) 0.25(mm)
IC 480-278716/6		12/08/2015 17:21	1	F2998.D	ZB-624 (60) 0.25(mm)
IC 480-278716/7		12/08/2015 17:47	1	F2999.D	ZB-624 (60) 0.25(mm)
ICIS 480-278716/8		12/08/2015 18:13	1	F3000.D	ZB-624 (60) 0.25(mm)
IC 480-278716/9		12/08/2015 18:38	1	F3001.D	ZB-624 (60) 0.25(mm)
IC 480-278716/10		12/08/2015 19:04	1	F3002.D	ZB-624 (60) 0.25(mm)
IC 480-278716/12		12/08/2015 19:56	1		ZB-624 (60) 0.25(mm)
IC 480-278716/13		12/08/2015 20:22	1		ZB-624 (60) 0.25(mm)
IC 480-278716/14		12/08/2015 20:48	1		ZB-624 (60) 0.25(mm)
IC 480-278716/15		12/08/2015 21:14	1		ZB-624 (60) 0.25(mm)
IC 480-278716/16		12/08/2015 21:39	1		ZB-624 (60) 0.25(mm)
IC 480-278716/17		12/08/2015 22:05	1		ZB-624 (60) 0.25(mm)
IC 480-278716/18		12/08/2015 22:31	1		ZB-624 (60) 0.25(mm)
MDLV 480-278716/20		12/08/2015 23:23	1		ZB-624 (60) 0.25(mm)
MDLV 480-278716/21		12/08/2015 23:49	1		ZB-624 (60) 0.25(mm)
ICV 480-278716/22		12/09/2015 00:15	1		ZB-624 (60) 0.25(mm)
ICV 480-278716/23		12/09/2015 00:40	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/15/2015 09:21

Analysis Batch Number: 279770 End Date: 12/15/2015 21:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279770/1		12/15/2015 09:21	1	F3148.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279770/2		12/15/2015 09:46	1	F3149.D	ZB-624 (60) 0.25(mm)
CCV 480-279770/3		12/15/2015 10:24	1		ZB-624 (60) 0.25(mm)
MB 480-279767/2-A		12/15/2015 11:43	1	F3153.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 12:22	1		ZB-624 (60) 0.25(mm)
LCS 480-279767/1-A		12/15/2015 12:48	1	F3155.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 13:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 13:40	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 14:07	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 14:33	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 14:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 15:25	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 15:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 16:18	1		ZB-624 (60) 0.25(mm)
480-92542-1	B1-AREA2-S1	12/15/2015 16:44	1	F3164.D	ZB-624 (60) 0.25(mm)
480-92542-2	B2-AREA2-S1	12/15/2015 17:09	1	F3165.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 17:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 18:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 18:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 18:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 19:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 19:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 20:11	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 20:37	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/15/2015 21:03	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973F Start Date: 12/16/2015 08:49

Analysis Batch Number: 279993 End Date: 12/16/2015 19:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279993/2		12/16/2015 08:49	1	F3196.D	ZB-624 (60) 0.25(mm)
CCVIS 480-279993/3		12/16/2015 09:14	1	F3197.D	ZB-624 (60) 0.25(mm)
CCV 480-279993/4		12/16/2015 09:52	1		ZB-624 (60) 0.25(mm)
LCS 480-279982/1-A		12/16/2015 10:18	1	F3199.D	ZB-624 (60) 0.25(mm)
MB 480-279982/2-A		12/16/2015 11:10	1	F3201.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 11:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 12:11	1		ZB-624 (60) 0.25(mm)
480-92542-3	B5-AREA2-S1	12/16/2015 12:37	1	F3204.D	ZB-624 (60) 0.25(mm)
480-92542-4	B32-AREA2-S1	12/16/2015 13:03	1	F3205.D	ZB-624 (60) 0.25(mm)
480-92542-5	B32-AREA2-S2	12/16/2015 13:29	1	F3206.D	ZB-624 (60) 0.25(mm)
480-92542-7	B33-AREA2-S2	12/16/2015 13:55	1	F3207.D	ZB-624 (60) 0.25(mm)
480-92542-8	B34-AREA2-S1	12/16/2015 14:20	1	F3208.D	ZB-624 (60) 0.25(mm)
480-92542-9	B-AREA2-DUP3	12/16/2015 14:46	1	F3209.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 15:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 15:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 16:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 16:31	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 16:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 17:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 17:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/16/2015 18:16	1		ZB-624 (60) 0.25(mm)
480-92542-5 MS	B32-AREA2-S2 MS	12/16/2015 18:42	1	F3218.D	ZB-624 (60) 0.25(mm)
480-92542-5 MSD	B32-AREA2-S2 MSD	12/16/2015 19:08	1	F3219.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/07/2015 13:03

Analysis Batch Number: 278464 End Date: 12/07/2015 21:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-278464/3		12/07/2015 13:03	1	S5792.D	ZB-624 (60) 0.25(mm)
IC 480-278464/5		12/07/2015 13:52	1	S5794.D	ZB-624 (60) 0.25(mm)
IC 480-278464/7		12/07/2015 14:38	1	S5796.D	ZB-624 (60) 0.25(mm)
IC 480-278464/8		12/07/2015 15:01	1	S5797.D	ZB-624 (60) 0.25(mm)
ICIS 480-278464/9		12/07/2015 15:24	1	S5798.D	ZB-624 (60) 0.25(mm)
IC 480-278464/10		12/07/2015 15:47	1	S5799.D	ZB-624 (60) 0.25(mm)
IC 480-278464/11		12/07/2015 16:09	1	S5800.D	ZB-624 (60) 0.25(mm)
IC 480-278464/13		12/07/2015 16:55	1	S5802.D	ZB-624 (60) 0.25(mm)
IC 480-278464/15		12/07/2015 17:41	1		ZB-624 (60) 0.25(mm)
IC 480-278464/16		12/07/2015 18:04	1		ZB-624 (60) 0.25(mm)
IC 480-278464/17		12/07/2015 18:26	1		ZB-624 (60) 0.25(mm)
IC 480-278464/18		12/07/2015 18:49	1		ZB-624 (60) 0.25(mm)
IC 480-278464/19		12/07/2015 19:11	1		ZB-624 (60) 0.25(mm)
IC 480-278464/20		12/07/2015 19:33	1		ZB-624 (60) 0.25(mm)
IC 480-278464/21		12/07/2015 19:56	1		ZB-624 (60) 0.25(mm)
MDLV 480-278464/23		12/07/2015 20:41	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/24		12/07/2015 21:03	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/25		12/07/2015 21:25	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/21/2015 21:02

Analysis Batch Number: 280912 End Date: 12/22/2015 09:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280912/2		12/21/2015 21:02	1	S6420.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280912/3		12/21/2015 21:31	1	S6421.D	ZB-624 (60) 0.25(mm)
CCV 480-280912/4		12/21/2015 22:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 23:01	1		ZB-624 (60) 0.25(mm)
RL 480-280912/6		12/21/2015 23:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 23:47	1		ZB-624 (60) 0.25(mm)
MB 480-280904/3-A		12/22/2015 01:25	1	S6427.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 01:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 02:33	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 02:56	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 03:19	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 03:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:50	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 06:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 06:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:08	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:31	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:54	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 08:16	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 08:39	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 09:02	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 09:25	10		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/22/2015 10:30

Analysis Batch Number: 281000 End Date: 12/22/2015 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-281000/2		12/22/2015 10:30	1	S6452.D	ZB-624 (60) 0.25(mm)
CCVIS 480-281000/3		12/22/2015 10:55	1	S6453.D	ZB-624 (60) 0.25(mm)
CCV 480-281000/4		12/22/2015 11:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 11:41	1		ZB-624 (60) 0.25(mm)
RL 480-281000/6		12/22/2015 12:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 12:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 13:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 14:05	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 14:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 14:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 16:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 16:45	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 17:08	100		ZB-624 (60) 0.25(mm)
480-92542-6	B33-AREA2-S1	12/22/2015 17:53	1	S6471.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 18:16	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 18:39	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:02	4		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:25	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:48	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 20:10	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 20:33	4		ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Batch Number: 279767 Batch Start Date: 12/15/15 09:08 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	3_MCP_Add_WRK 00086	8260 CORP mix 00061
LCS 480-279767/1-A		5035, 8260C		25.37 g	30.41 g	5.04 g	5 mL	2.5 mL	2.5 uL
MB 480-279767/2-A		5035, 8260C		25.02 g	30.05 g	5.03 g	5 mL		
480-92542-1	B1-AREA2-S1	5035, 8260C	T	25.04 g	30.17 g	5.13 g	5 mL		
480-92542-2	B2-AREA2-S1	5035, 8260C	T	25.33 g	30.38 g	5.05 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00041	GAS CORP mix 00126	AnalysisComment			
LCS 480-279767/1-A		5035, 8260C		2.5 uL	2.5 uL				
MB 480-279767/2-A		5035, 8260C							
480-92542-1	B1-AREA2-S1	5035, 8260C	T			bulk			
480-92542-2	B2-AREA2-S1	5035, 8260C	T			bulk			

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Batch Number: 279982 Batch Start Date: 12/16/15 08:16 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00126
LCS 480-279982/1-A		5035, 8260C		26.64 g	31.64 g	5 g	5 mL	2.5 uL	2.5 uL
MB 480-279982/2-A		5035, 8260C		26.47 g	31.51 g	5.04 g	5 mL		
480-92542-3	B5-AREA2-S1	5035, 8260C	T	24.40 g	29.52 g	5.12 g	5 mL		
480-92542-4	B32-AREA2-S1	5035, 8260C	T	24.46 g	29.58 g	5.12 g	5 mL		
480-92542-5	B32-AREA2-S2	5035, 8260C	T	26.28 g	31.35 g	5.07 g	5 mL		
480-92542-7	B33-AREA2-S2	5035, 8260C	T	24.52 g	29.71 g	5.19 g	5 mL		
480-92542-8	B34-AREA2-S1	5035, 8260C	T	26.52 g	31.54 g	5.02 g	5 mL		
480-92542-9	B-AREA2-DUP3	5035, 8260C	T	26.36 g	31.52 g	5.16 g	5 mL		
480-92542-5 MS	B32-AREA2-S2	5035, 8260C	T	26.37 g	31.52 g	5.15 g	5 mL	2.5 uL	2.5 uL
480-92542-5 MSD	B32-AREA2-S2	5035, 8260C	T	26.63 g	31.77 g	5.14 g	5 mL	2.5 uL	2.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-279982/1-A		5035, 8260C							
MB 480-279982/2-A		5035, 8260C							
480-92542-3	B5-AREA2-S1	5035, 8260C	T	bulk confirm IS/SS					
480-92542-4	B32-AREA2-S1	5035, 8260C	T	bulk confirm IS/SS					
480-92542-5	B32-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS					
480-92542-7	B33-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS					
480-92542-8	B34-AREA2-S1	5035, 8260C	T	bulk confirm IS/SS					
480-92542-9	B-AREA2-DUP3	5035, 8260C	T	bulk confirm IS/SS					
480-92542-5 MS	B32-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS					
480-92542-5 MSD	B32-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS					

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Batch Number: 279982 Batch Start Date: 12/16/15 08:16 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot # XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Batch Number: 280904 Batch Start Date: 12/21/15 17:07 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	3_MCP_Add_WRK 00088	8260 CORP mix 00061
LCS 480-280904/1-A		5035A, 8260C		18.98 g	24.00 g	5.02 g	10 mL	125 uL	125 uL
MB 480-280904/3-A		5035A, 8260C		19.68 g	24.78 g	5.1 g	10 mL		
480-92542-6	B33-AREA2-S1	5035A, 8260C	T	19.18 g	24.25 g	5.07 g	10 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00042	GAS CORP mix 00127	AnalysisComment			
LCS 480-280904/1-A		5035A, 8260C		125 uL	125 uL				
MB 480-280904/3-A		5035A, 8260C							
480-92542-6	B33-AREA2-S1	5035A, 8260C	T			Bulk			

Batch Notes	
Balance ID	B202613314
Methanol Lot Number	118655
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92542-1

SDG No.:

Project: Lockheed Martin Corporation - Soils

Client Sample ID	Lab Sample ID
B1-AREA2-S1	480-92542-1
B2-AREA2-S1	480-92542-2
B5-AREA2-S1	480-92542-3
B32-AREA2-S1	480-92542-4
B32-AREA2-S2	480-92542-5
B33-AREA2-S1	480-92542-6
B33-AREA2-S2	480-92542-7
B34-AREA2-S1	480-92542-8
B-AREA2-DUP3	480-92542-9

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92542-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92542-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/15/2015 11:38 End Date: 12/15/2015 11:38

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:38																					
ZZZZZZ			11:38																					
480-92542-1	1	T	11:38	X	X																			
480-92542-2	1	T	11:38	X	X																			
480-92542-3	1	T	11:38	X	X																			
480-92542-4	1	T	11:38	X	X																			
480-92542-5	1	T	11:38	X	X																			
480-92542-5 MS	1	T	11:38	X	X																			
480-92542-5 MSD	1	T	11:38	X	X																			
480-92542-6	1	T	11:38	X	X																			
480-92542-7	1	T	11:38	X	X																			
480-92542-8	1	T	11:38	X	X																			
480-92542-9	1	T	11:38	X	X																			

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92542-1

SDG No.:

Batch Number: 279826 Batch Start Date: 12/15/15 11:38 Batch Analyst: Cwiklinski, Charles D

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-92542-1	B1-AREA2-S1	Moisture	T	4.30 g	13.30 g	12.57 g			
480-92542-2	B2-AREA2-S1	Moisture	T	4.38 g	13.52 g	12.12 g			
480-92542-3	B5-AREA2-S1	Moisture	T	4.29 g	12.49 g	11.93 g			
480-92542-4	B32-AREA2-S1	Moisture	T	4.36 g	13.52 g	12.97 g			
480-92542-5	B32-AREA2-S2	Moisture	T	4.40 g	14.80 g	14.00 g			
480-92542-5 MS	B32-AREA2-S2	Moisture	T	4.40 g	14.80 g	14.00 g			
480-92542-5 MSD	B32-AREA2-S2	Moisture	T	4.40 g	14.80 g	14.00 g			
480-92542-6	B33-AREA2-S1	Moisture	T	4.35 g	14.48 g	13.79 g			
480-92542-7	B33-AREA2-S2	Moisture	T	4.30 g	13.27 g	12.68 g			
480-92542-8	B34-AREA2-S1	Moisture	T	4.40 g	14.93 g	14.39 g			
480-92542-9	B-AREA2-DUP3	Moisture	T	4.30 g	13.61 g	12.96 g			

Batch Notes	
Balance ID	B202613314 No Unit
Batch Comment	pp-fh-03-14
Date samples were placed in the oven	12/15/15
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	12:00
Date samples were removed from oven	12/16/15
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	12:30
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Stantec	Bob Mahoney	12/10/15	292105
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
61 Commercial St., suite 100	(585) 413-		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Rochester / NY / 14614	L. Best	Ryan VanDette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin Utica			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOCs (8260)
B1-AREA2-S1	12/10/15	11:05				X	1						X
B2-AREA2-S1	12/10/15	09:20				X	1						X
B5-AREA2-S1	12/10/15	10:40				X	1						X
B32-AREA2-S1	12/10/15	11:25				X	1						X
B32-AREA2-S2 (MS/MSD)	12/10/15	11:30				X	3						X
B33-AREA2-S1	12/10/15	11:50				X	1						X
B33-AREA2-S2	12/10/15	11:55				X	1						X
B34-AREA2-S1	12/10/15	08:50				X	1						X
B-AREA2-DUP3	12/10/15	11:10				X	1						X
								RC					
						15-10-15							

480-92542 Chain of Custody

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10d

QC Requirements (Specify)
NYSDEC ASP Category B deliverables; NYSDEC EQUIS EDD

	Date	Time		Date	Time
1. Relinquished By: Laura Best	12/10/15	1630	1. Received By: RELINQUISHED	15-10-15	16:30
2. Relinquished By: RELINQUISHED	15-10-15	19:00	2. Received By: TAO	12-11-15	0120
3. Relinquished By			3. Received By		

Comments

0.5 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

483325 • Syracuse SC

Page 15 of 16

12/29/2015

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-92542-1

Login Number: 92542
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-92744-1

Job Description: Lockheed Martin Corporation - Soils

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Anne Pridgeon
Project Management Assistant I
1/4/2016 3:25 PM

Designee for
Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
01/04/2016

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Manual Integration Summary 6
- Sample Summary 15
- Executive Summary 16
- Method Summary 20
- Method / Analyst Summary 21
- Sample Datasheets 22
- Surrogate Summary 85
- QC Data Summary 87
- Data Qualifiers 97
- QC Association Summary 98
- Lab Chronicle 101
- Certification Summary 106

Organic Sample Data 107

- GC/MS VOA 107
  - Method 8260C 107
    - Method 8260C QC Summary 108
    - Method 8260C Sample Data 138
    - Standards Data 358
      - Method 8260C ICAL Data 358
      - Method 8260C CCAL Data 504
    - Raw QC Data 554
      - Method 8260C Tune Data 554
      - Method 8260C Blank Data 581

Table of Contents

Method 8260C LCS/LCSD Data 615

Method 8260C MS/MSD Data 641

Method 8260C Run Logs 652

Method 8260C Prep Data 661

Inorganic Sample Data 667

General Chemistry Data 667

Gen Chem Cover Page 668

Gen Chem MDL 669

Gen Chem Analysis Run Log 671

Gen Chem Prep Data 673

Shipping and Receiving Documents 676

Client Chain of Custody 677

Sample Receipt Checklist 679

Job Narrative
480-92744-1

Comments
No additional comments.

Receipt
The samples were received on 12/16/2015 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method(s) 8260C: The method blank for preparation batch 480-280259 and analytical batch 480-280267 contained 2-Butanone (MEK) and Acetone above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-analysis of samples was not performed. B19-POLEBARN-S1 (480-92744-3), B38-POLEBARN-S1 (480-92744-13) and B-POLEBARN-DUP4 (480-92744-16)

Method(s) 8260C: Internal standard (ISTD) response for the following samples were outside control limits: B18-POLEBARN-S2 (480-92744-2), B19-POLEBARN-S2 (480-92744-4), B20-POLEBARN-S1 (480-92744-5), B20-POLEBARN-S3 (480-92744-7), B21-POLEBARN-S1 (480-92744-8) and B37-POLEBARN-S1 (480-92744-10). The samples were re-analyzed with concurring results, and the second set of data has been reported.

Method(s) 8260C: Surrogate recovery for the following samples were outside control limits: B18-POLEBARN-S2 (480-92744-2), B19-POLEBARN-S2 (480-92744-4), B20-POLEBARN-S1 (480-92744-5), B20-POLEBARN-S3 (480-92744-7), B21-POLEBARN-S1 (480-92744-8) and B37-POLEBARN-S1 (480-92744-10). Re-analysis was performed with concurring results. The second analysis has been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280424 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: B18-POLEBARN-S2 (480-92744-2), B19-POLEBARN-S2 (480-92744-4), B20-POLEBARN-S1 (480-92744-5), B20-POLEBARN-S2 (480-92744-6), B20-POLEBARN-S3 (480-92744-7), B21-POLEBARN-S1 (480-92744-8), B37-POLEBARN-S1 (480-92744-10), B38-POLEBARN-S1 (480-92744-13) and B36-POLEBARN-S1 (480-92744-17).

Method(s) 8260C: The method blank for preparation batch 480-280425 and analytical batch 480-280424 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. B18-POLEBARN-S2 (480-92744-2), B19-POLEBARN-S2 (480-92744-4), B20-POLEBARN-S1 (480-92744-5), B20-POLEBARN-S2 (480-92744-6), B20-POLEBARN-S3 (480-92744-7), B21-POLEBARN-S1 (480-92744-8), B37-POLEBARN-S1 (480-92744-10), B38-POLEBARN-S1 (480-92744-13) and B36-POLEBARN-S1 (480-92744-17)

Method(s) 8260C: The following samples were analyzed at a reduced weight to bring the concentration of target analytes within the calibration range: B20-POLEBARN-S2 (480-92744-6) and B38-POLEBARN-S1 (480-92744-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B18-POLEBARN-S2 (480-92744-2), B19-POLEBARN-S2 (480-92744-4), B20-POLEBARN-S1 (480-92744-5), B20-POLEBARN-S2 (480-92744-6), B20-POLEBARN-S3 (480-92744-7), B21-POLEBARN-S1 (480-92744-8), B37-POLEBARN-S1 (480-92744-10), B38-POLEBARN-S1 (480-92744-13) and B36-POLEBARN-S1 (480-92744-17).

Method(s) 8260C: Some reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B36-POLEBARN-S2 (480-92744-18) and B36-POLEBARN-S3 (480-92744-19).

Method(s) 8260C: The following sample was analyzed at a reduced weight to bring the concentration of target analytes within the calibration range: B36-POLEBARN-S2 (480-92744-18). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280926 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: B36-POLEBARN-S2 (480-92744-18) and B36-POLEBARN-S3 (480-92744-19).

Method(s) 8260C: The method blank for preparation batch 480-280931 and analytical batch 480-280926 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed. The following samples are impacted: B36-POLEBARN-S2 (480-92744-18) and B36-POLEBARN-S3 (480-92744-19) .

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-281000 recovered outside acceptance criteria, low biased, for Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: B37-POLEBARN-S2 (480-92744-11) and B38-POLEBARN-S2 (480-92744-14)

Method(s) 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes

within the calibration range: B37-POLEBARN-S2 (480-92744-11) and B38-POLEBARN-S2 (480-92744-14). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Internal standard (ISTD) and surrogate response for the following samples were outside control limits: B19-POLEBARN-S2 (480-92744-4[MS]), B19-POLEBARN-S2 (480-92744-4[MSD]) and B38-POLEBARN-S3 (480-92744-15). The sample was re-analyzed with concurring results and the original set of data has been reported.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B18-POLEBARN-S1 (480-92744-1), B19-POLEBARN-S1 (480-92744-3), B19-POLEBARN-S2 (480-92744-4[MS]), B19-POLEBARN-S2 (480-92744-4[MSD]), B21-POLEBARN-S2 (480-92744-9), B38-POLEBARN-S1 (480-92744-13), B38-POLEBARN-S3 (480-92744-15) and B-POLEBARN-DUP4 (480-92744-16).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 279331

Lab Sample ID: IC 480-279331/4 Client Sample ID:

Date Analyzed: 12/11/15 14:15 Lab File ID: C59581.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	7.18	Poor chromatography	goliszekg	12/14/15 07:23
2-Hexanone	11.07	Poor chromatography	goliszekg	12/14/15 07:24

Lab Sample ID: IC 480-279331/5 Client Sample ID:

Date Analyzed: 12/11/15 14:41 Lab File ID: C59582.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	7.59	Poor chromatography	goliszekg	12/14/15 07:25
2-Hexanone	11.07	Poor chromatography	goliszekg	12/14/15 07:24

Lab Sample ID: IC 480-279331/6 Client Sample ID:

Date Analyzed: 12/11/15 15:07 Lab File ID: C59583.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	7.59	Poor chromatography	goliszekg	12/14/15 07:26
Tetrahydrofuran	8.71	Poor chromatography	goliszekg	12/14/15 07:26
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:26
2-Hexanone	11.05	Poor chromatography	goliszekg	12/14/15 07:26

Lab Sample ID: IC 480-279331/7 Client Sample ID:

Date Analyzed: 12/11/15 15:58 Lab File ID: C59584.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrahydrofuran	8.71	Poor chromatography	goliszekg	12/14/15 07:27
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 279331

Lab Sample ID: IC 480-279331/8 Client Sample ID:

Date Analyzed: 12/11/15 16:23 Lab File ID: C59585.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	9.94	Poor chromatography	goliszekg	12/14/15 07:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 281182

Lab Sample ID: LCS 480-280904/1-A Client Sample ID:

Date Analyzed: 12/22/15 23:51 Lab File ID: C60020.D GC Column: ZB-624 (30) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)	8.43	Poor chromatography	o''briens	12/23/15 00:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 277678

Lab Sample ID: IC 480-277678/3 Client Sample ID:

Date Analyzed: 12/02/15 01:45 Lab File ID: P1877.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl acetate	6.77	Split Peak	cwiklinc	12/02/15 09:16

Lab Sample ID: IC 480-277678/4 Client Sample ID:

Date Analyzed: 12/02/15 02:13 Lab File ID: P1878.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloroethyl vinyl ether	11.25	Split Peak	cwiklinc	12/02/15 09:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 280267

Lab Sample ID: 480-92744-13 Client Sample ID: B38-POLEBARN-S1

Date Analyzed: 12/17/15 20:09 Lab File ID: P2464.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.77	Baseline	diasn	12/18/15 01:46

Lab Sample ID: 480-92744-4 MSD Client Sample ID: B19-POLEBARN-S2 MSD

Date Analyzed: 12/17/15 22:25 Lab File ID: P2469.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4-Trichlorobenzene	19.42	Split Peak	diasn	12/18/15 01:54

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 280424

Lab Sample ID: MB 480-280425/2-A Client Sample ID:

Date Analyzed: 12/18/15 01:43 Lab File ID: P2475.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)	11.63	Split Peak	diasn	12/18/15 02:35

Lab Sample ID: 480-92744-2 Client Sample ID: B18-POLEBARN-S2

Date Analyzed: 12/18/15 02:52 Lab File ID: P2476.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.76	Split Peak	diasn	12/19/15 00:44

Lab Sample ID: 480-92744-5 Client Sample ID: B20-POLEBARN-S1

Date Analyzed: 12/18/15 03:46 Lab File ID: P2478.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	8.88	Incomplete Integration	diasn	12/19/15 00:46

Lab Sample ID: 480-92744-8 Client Sample ID: B21-POLEBARN-S1

Date Analyzed: 12/18/15 05:08 Lab File ID: P2481.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toluene	11.97	Split Peak	diasn	12/19/15 00:50
Tetrachloroethene	12.72	Split Peak	diasn	12/19/15 00:50

Lab Sample ID: 480-92744-10 Client Sample ID: B37-POLEBARN-S1

Date Analyzed: 12/18/15 05:35 Lab File ID: P2482.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	6.74	Split Peak	diasn	12/19/15 00:52

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 280926

Lab Sample ID: MB 480-280931/2-A Client Sample ID:

Date Analyzed: 12/22/15 00:47 Lab File ID: P2534.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Methyl-2-pentanone (MIBK)	11.65	Split Peak	diasn	12/22/15 01:15

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/7 Client Sample ID:

Date Analyzed: 12/07/15 14:38 Lab File ID: S5796.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	2.65	Poor chromatography	HillL	12/07/15 18:41
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:41
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:38

Lab Sample ID: IC 480-278464/8 Client Sample ID:

Date Analyzed: 12/07/15 15:01 Lab File ID: S5797.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:42

Lab Sample ID: ICIS 480-278464/9 Client Sample ID:

Date Analyzed: 12/07/15 15:24 Lab File ID: S5798.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.13	Poor chromatography	o''briens	12/07/15 18:22
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:44
1,4-Dioxane	6.12	Split Peak	HillL	12/07/15 18:44

Lab Sample ID: IC 480-278464/10 Client Sample ID:

Date Analyzed: 12/07/15 15:47 Lab File ID: S5799.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 278464

Lab Sample ID: IC 480-278464/11 Client Sample ID:

Date Analyzed: 12/07/15 16:09 Lab File ID: S5800.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isobutyl alcohol	5.13	Peak Tail	HillL	12/07/15 18:46

Lab Sample ID: IC 480-278464/13 Client Sample ID:

Date Analyzed: 12/07/15 16:55 Lab File ID: S5802.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	1.51	Poor chromatography	HillL	12/07/15 18:27
Bromomethane	1.82	Poor chromatography	HillL	12/07/15 18:27
Dichlorofluoromethane	2.13	Poor chromatography	HillL	12/07/15 18:27
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	Poor chromatography	HillL	12/07/15 18:27
Iodomethane	2.81	Poor chromatography	HillL	12/07/15 18:27
1,4-Dioxane	6.13	Poor chromatography	HillL	12/07/15 18:27

SAMPLE SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-92744-1	B18-POLEBARN-S1	Solid	12/14/2015 1200	12/16/2015 0130
480-92744-2	B18-POLEBARN-S2	Solid	12/14/2015 1215	12/16/2015 0130
480-92744-3	B19-POLEBARN-S1	Solid	12/14/2015 1120	12/16/2015 0130
480-92744-4	B19-POLEBARN-S2	Solid	12/14/2015 1130	12/16/2015 0130
480-92744-4MS	B19-POLEBARN-S2	Solid	12/14/2015 1130	12/16/2015 0130
480-92744-4MSD	B19-POLEBARN-S2	Solid	12/14/2015 1130	12/16/2015 0130
480-92744-5	B20-POLEBARN-S1	Solid	12/14/2015 1335	12/16/2015 0130
480-92744-6	B20-POLEBARN-S2	Solid	12/14/2015 1350	12/16/2015 0130
480-92744-7	B20-POLEBARN-S3	Solid	12/14/2015 1400	12/16/2015 0130
480-92744-8	B21-POLEBARN-S1	Solid	12/14/2015 1230	12/16/2015 0130
480-92744-9	B21-POLEBARN-S2	Solid	12/14/2015 1245	12/16/2015 0130
480-92744-10	B37-POLEBARN-S1	Solid	12/14/2015 1605	12/16/2015 0130
480-92744-11	B37-POLEBARN-S2	Solid	12/14/2015 1540	12/16/2015 0130
480-92744-12	B37-POLEBARN-S3	Solid	12/14/2015 1555	12/16/2015 0130
480-92744-13	B38-POLEBARN-S1	Solid	12/14/2015 1415	12/16/2015 0130
480-92744-14	B38-POLEBARN-S2	Solid	12/14/2015 1440	12/16/2015 0130
480-92744-15	B38-POLEBARN-S3	Solid	12/14/2015 1510	12/16/2015 0130
480-92744-16	B-POLEBARN-DUP4	Solid	12/14/2015 1600	12/16/2015 0130
480-92744-17	B36-POLEBARN-S1	Solid	12/15/2015 0915	12/16/2015 0130
480-92744-18	B36-POLEBARN-S2	Solid	12/15/2015 1005	12/16/2015 0130
480-92744-19	B36-POLEBARN-S3	Solid	12/15/2015 1020	12/16/2015 0130

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92744-1	**B18-POLEBARN-S1**					
Trichloroethene		9.9		5.2	ug/Kg	8260C
Percent Moisture		7.4		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92744-2	**B18-POLEBARN-S2**					
Acetone		11	J B	27	ug/Kg	8260C
Toluene		0.59	J *	5.5	ug/Kg	8260C
Percent Moisture		14		0.10	%	Moisture
Percent Solids		86		0.10	%	Moisture
480-92744-3	**B19-POLEBARN-S1**					
1,1-Dichloroethane		0.82	J	5.5	ug/Kg	8260C
Acetone		5.7	J B	28	ug/Kg	8260C
cis-1,2-Dichloroethene		0.78	J	5.5	ug/Kg	8260C
Tetrachloroethene		2.5	J	5.5	ug/Kg	8260C
Trichloroethene		5.9		5.5	ug/Kg	8260C
Percent Moisture		9.7		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-92744-4	**B19-POLEBARN-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	J	4.9	ug/Kg	8260C
Toluene		0.57	J *	4.9	ug/Kg	8260C
Percent Moisture		7.1		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92744-5	**B20-POLEBARN-S1**					
cis-1,2-Dichloroethene		1.4	J	5.2	ug/Kg	8260C
Methylene Chloride		2.4	J	5.2	ug/Kg	8260C
Tetrachloroethene		1.5	J	5.2	ug/Kg	8260C
Toluene		0.78	J	5.2	ug/Kg	8260C
Trichloroethene		3.0	J	5.2	ug/Kg	8260C
Percent Moisture		8.0		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92744-6	**B20-POLEBARN-S2**					
1,1-Dichloroethane		360		50	ug/Kg	8260C
cis-1,2-Dichloroethene		1500		50	ug/Kg	8260C
Percent Moisture		3.6		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92744-7	**B20-POLEBARN-S3**					
Acetone		51	B	30	ug/Kg	8260C
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture
480-92744-8	**B21-POLEBARN-S1**					
Percent Moisture		8.1		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
480-92744-9	**B21-POLEBARN-S2**					
Percent Moisture		9.1		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-92744-10	**B37-POLEBARN-S1**					
Acetone		7.7	J B	28	ug/Kg	8260C
cis-1,2-Dichloroethene		2.5	J	5.5	ug/Kg	8260C
Tetrachloroethene		1.5	J	5.5	ug/Kg	8260C
Toluene		0.69	J	5.5	ug/Kg	8260C
Trichloroethene		3.3	J	5.5	ug/Kg	8260C
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture
480-92744-11	**B37-POLEBARN-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		640		110	ug/Kg	8260C
1,1-Dichloroethane		160		110	ug/Kg	8260C
cis-1,2-Dichloroethene		1600		110	ug/Kg	8260C
Ethylbenzene		76	J	110	ug/Kg	8260C
Tetrachloroethene		17000		440	ug/Kg	8260C
Toluene		270		110	ug/Kg	8260C
Trichloroethene		16000		440	ug/Kg	8260C
Xylenes, Total		220		220	ug/Kg	8260C
Percent Moisture		7.2		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
480-92744-12	**B37-POLEBARN-S3**					
Acetone		44	B	31	ug/Kg	8260C
cis-1,2-Dichloroethene		2.9	J	6.3	ug/Kg	8260C
Tetrachloroethene		4.2	J	6.3	ug/Kg	8260C
Trichloroethene		7.9		6.3	ug/Kg	8260C
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92744-13	**B38-POLEBARN-S1**					
1,1,2-Trichloro-1,2,2-trifluoroethane		510		26	ug/Kg	8260C
1,1-Dichloroethane		1.5	J	5.5	ug/Kg	8260C
2-Butanone (MEK)		2.2	J B	27	ug/Kg	8260C
4-Methyl-2-pentanone (MIBK)		3.4	J	27	ug/Kg	8260C
Acetone		5.5	J B	27	ug/Kg	8260C
Carbon disulfide		5.2	J	5.5	ug/Kg	8260C
cis-1,2-Dichloroethene		2.6	J	5.5	ug/Kg	8260C
Tetrachloroethene		1.4	J	5.5	ug/Kg	8260C
Trichloroethene		3.5	J	5.5	ug/Kg	8260C
Vinyl chloride		6.4		5.5	ug/Kg	8260C
Percent Moisture		8.7		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
480-92744-14	**B38-POLEBARN-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		4200		110	ug/Kg	8260C
1,1-Dichloroethane		44	J	110	ug/Kg	8260C
1,2-Dichlorobenzene		120		110	ug/Kg	8260C
Chlorobenzene		31	J	110	ug/Kg	8260C
cis-1,2-Dichloroethene		47	J	110	ug/Kg	8260C
Ethylbenzene		140		110	ug/Kg	8260C
Tetrachloroethene		27000		430	ug/Kg	8260C
Toluene		110		110	ug/Kg	8260C
Trichloroethene		8400		110	ug/Kg	8260C
Xylenes, Total		520		220	ug/Kg	8260C
Percent Moisture		5.4		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
480-92744-15	**B38-POLEBARN-S3**					
1,1,2-Trichloro-1,2,2-trifluoroethane		10		5.4	ug/Kg	8260C
1,1-Dichloroethane		0.81	J	5.4	ug/Kg	8260C
cis-1,2-Dichloroethene		3.0	J	5.4	ug/Kg	8260C
Methylene Chloride		2.7	J	5.4	ug/Kg	8260C
Tetrachloroethene		15	*	5.4	ug/Kg	8260C
Trichloroethene		14		5.4	ug/Kg	8260C
Percent Moisture		7.3		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-92744-16	**B-POLEBARN-DUP4**					
1,1,2-Trichloro-1,2,2-trifluoroethane		2.0	J	6.3	ug/Kg	8260C
1,1-Dichloroethane		0.80	J	6.3	ug/Kg	8260C
Acetone		40	B	31	ug/Kg	8260C
cis-1,2-Dichloroethene		2.0	J	6.3	ug/Kg	8260C
Tetrachloroethene		4.0	J	6.3	ug/Kg	8260C
Trichloroethene		6.1	J	6.3	ug/Kg	8260C
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture
480-92744-17	**B36-POLEBARN-S1**					
1,1,2-Trichloro-1,2,2-trifluoroethane		49		5.5	ug/Kg	8260C
1,1-Dichloroethane		2.1	J	5.5	ug/Kg	8260C
cis-1,2-Dichloroethene		59		5.5	ug/Kg	8260C
Vinyl chloride		36		5.5	ug/Kg	8260C
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture
480-92744-18	**B36-POLEBARN-S2**					
1,1,2-Trichloro-1,2,2-trifluoroethane		160		56	ug/Kg	8260C
1,1-Dichloroethane		110		56	ug/Kg	8260C
1,2-Dichlorobenzene		6.5	J	56	ug/Kg	8260C
cis-1,2-Dichloroethene		800		56	ug/Kg	8260C
Ethylbenzene		8.5	J	56	ug/Kg	8260C
Tetrachloroethene		1900		56	ug/Kg	8260C
Toluene		15	J	56	ug/Kg	8260C
Trichloroethene		410		56	ug/Kg	8260C
Xylenes, Total		25	J	110	ug/Kg	8260C
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture
480-92744-19	**B36-POLEBARN-S3**					
Acetone		16	J B	33	ug/Kg	8260C
cis-1,2-Dichloroethene		4.1	J	6.6	ug/Kg	8260C
Percent Moisture		26		0.10	%	Moisture
Percent Solids		74		0.10	%	Moisture

METHOD SUMMARY

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Closed System Purge and Trap	TAL BUF		SW846 5035A
Percent Moisture	TAL BUF	EPA Moisture	

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Method	Analyst	Analyst ID
SW846 8260C	Cwiklinski, Charles D	CDC
SW846 8260C	Dias, Nicole M	NMD1
SW846 8260C	Goliszek, Gregory T	GTG
EPA Moisture	Cwiklinski, Charles D	CDC
EPA Moisture	Dias, Nicole M	NMD1

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B18-POLEBARN-S1**

Lab Sample ID: 480-92744-1 | Date Sampled: 12/14/2015 1200
Client Matrix: Solid | % Moisture: 7.4 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2452.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/17/2015 1440			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND		0.85	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND		0.68	5.2
1,1-Dichloroethane		ND		0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND		0.32	5.2
1,2-Dibromo-3-Chloropropane		ND		2.6	5.2
1,2-Dibromoethane		ND		0.67	5.2
1,2-Dichlorobenzene		ND		0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND		0.27	5.2
1,4-Dichlorobenzene		ND		0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND		2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.51	5.2
Chlorobenzene		ND		0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.32	5.2
cis-1,2-Dichloroethene		ND		0.67	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND		0.67	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND		0.36	5.2
Isopropylbenzene		ND		0.79	5.2
Methyl acetate		ND		3.2	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.80	5.2
Methylene Chloride		ND		2.4	5.2
Styrene		ND		0.26	5.2
Tetrachloroethene		ND		0.70	5.2
Toluene		ND		0.40	5.2
trans-1,2-Dichloroethene		ND		0.54	5.2
trans-1,3-Dichloropropene		ND		2.3	5.2
Trichloroethene		9.9		1.2	5.2
Trichlorofluoromethane		ND		0.50	5.2

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B18-POLEBARN-S1**

Lab Sample ID: 480-92744-1 | Date Sampled: 12/14/2015 1200
Client Matrix: Solid | % Moisture: 7.4 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2452.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/17/2015 1440			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		ND		0.88	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene (Surr)	93		72 - 126
Toluene-d8 (Surr)	101		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B18-POLEBARN-S2**

Lab Sample ID: 480-92744-2 | Date Sampled: 12/14/2015 1215
Client Matrix: Solid | % Moisture: 13.6 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2476.D
Dilution:	1.0			Initial Weight/Volume:	5.3 g
Analysis Date:	12/18/2015 0252			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND	*	0.89	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.5
1,1,2-Trichloroethane		ND	*	0.71	5.5
1,1-Dichloroethane		ND		0.67	5.5
1,1-Dichloroethene		ND		0.67	5.5
1,2,4-Trichlorobenzene		ND	*	0.33	5.5
1,2-Dibromo-3-Chloropropane		ND	*	2.7	5.5
1,2-Dibromoethane		ND	*	0.70	5.5
1,2-Dichlorobenzene		ND	*	0.43	5.5
1,2-Dichloroethane		ND		0.27	5.5
1,2-Dichloropropane		ND		2.7	5.5
1,3-Dichlorobenzene		ND	*	0.28	5.5
1,4-Dichlorobenzene		ND	*	0.76	5.5
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND	*	2.7	27
4-Methyl-2-pentanone (MIBK)		ND	*	1.8	27
Acetone		11	J B	4.6	27
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.73	5.5
Bromoform		ND	*	2.7	5.5
Bromomethane		ND		0.49	5.5
Carbon disulfide		ND		2.7	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND	*	0.72	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		ND		0.70	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.76	5.5
Dibromochloromethane		ND	*	0.70	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		ND	*	0.38	5.5
Isopropylbenzene		ND	*	0.82	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.83	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND	*	0.27	5.5
Tetrachloroethene		ND	*	0.73	5.5
Toluene		0.59	J *	0.41	5.5
trans-1,2-Dichloroethene		ND		0.56	5.5
trans-1,3-Dichloropropene		ND	*	2.4	5.5
Trichloroethene		ND		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B18-POLEBARN-S2**

Lab Sample ID: 480-92744-2 | Date Sampled: 12/14/2015 1215
Client Matrix: Solid | % Moisture: 13.6 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2476.D
Dilution:	1.0			Initial Weight/Volume:	5.3 g
Analysis Date:	12/18/2015 0252			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		ND		0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	133	X	64 - 126
4-Bromofluorobenzene (Surr)	26	X *	72 - 126
Toluene-d8 (Surr)	113	*	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B19-POLEBARN-S1**

Lab Sample ID: 480-92744-3 | Date Sampled: 12/14/2015 1120
Client Matrix: Solid | % Moisture: 9.7 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2454.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 1535			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.89	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.5
1,1,2-Trichloroethane		ND		0.72	5.5
1,1-Dichloroethane		0.82	J	0.67	5.5
1,1-Dichloroethene		ND		0.67	5.5
1,2,4-Trichlorobenzene		ND		0.34	5.5
1,2-Dibromo-3-Chloropropane		ND		2.8	5.5
1,2-Dibromoethane		ND		0.71	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.8	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Butanone (MEK)		ND		2.0	28
2-Hexanone		ND		2.8	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		5.7	J B	4.6	28
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.8	5.5
Bromomethane		ND		0.50	5.5
Carbon disulfide		ND		2.8	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.73	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		0.78	J	0.71	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.77	5.5
Dibromochloromethane		ND		0.71	5.5
Dichlorodifluoromethane		ND		0.46	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.83	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.84	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.28	5.5
Tetrachloroethene		2.5	J	0.74	5.5
Toluene		ND		0.42	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		5.9		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B19-POLEBARN-S1**

Lab Sample ID: 480-92744-3 | Date Sampled: 12/14/2015 1120
Client Matrix: Solid | % Moisture: 9.7 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2454.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 1535			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		ND		0.93	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	78		72 - 126
Toluene-d8 (Surr)	107		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B19-POLEBARN-S2**

Lab Sample ID: 480-92744-4 | Date Sampled: 12/14/2015 1130
Client Matrix: Solid | % Moisture: 7.1 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2477.D
Dilution:	1.0			Initial Weight/Volume:	5.49 g
Analysis Date:	12/18/2015 0319			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.36	4.9
1,1,2,2-Tetrachloroethane		ND	F1 *	0.80	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	J	1.1	4.9
1,1,2-Trichloroethane		ND	*	0.64	4.9
1,1-Dichloroethane		ND		0.60	4.9
1,1-Dichloroethene		ND		0.60	4.9
1,2,4-Trichlorobenzene		ND	F1 *	0.30	4.9
1,2-Dibromo-3-Chloropropane		ND	*	2.5	4.9
1,2-Dibromoethane		ND	F1 *	0.63	4.9
1,2-Dichlorobenzene		ND	* F1	0.38	4.9
1,2-Dichloroethane		ND	F1	0.25	4.9
1,2-Dichloropropane		ND	F1	2.5	4.9
1,3-Dichlorobenzene		ND	F1 *	0.25	4.9
1,4-Dichlorobenzene		ND	F1 *	0.69	4.9
2-Butanone (MEK)		ND	F1	1.8	25
2-Hexanone		ND	*	2.5	25
4-Methyl-2-pentanone (MIBK)		ND	*	1.6	25
Acetone		ND		4.1	25
Benzene		ND		0.24	4.9
Bromodichloromethane		ND	F1	0.66	4.9
Bromoform		ND	F1 *	2.5	4.9
Bromomethane		ND		0.44	4.9
Carbon disulfide		ND		2.5	4.9
Carbon tetrachloride		ND		0.47	4.9
Chlorobenzene		ND	F1 *	0.65	4.9
Chloroethane		ND		1.1	4.9
Chloroform		ND		0.30	4.9
Chloromethane		ND		0.30	4.9
cis-1,2-Dichloroethene		ND	F1	0.63	4.9
cis-1,3-Dichloropropene		ND	F1	0.71	4.9
Cyclohexane		ND	F1	0.69	4.9
Dibromochloromethane		ND	*	0.63	4.9
Dichlorodifluoromethane		ND		0.40	4.9
Ethylbenzene		ND	F1 *	0.34	4.9
Isopropylbenzene		ND	F1 *	0.74	4.9
Methyl acetate		ND		3.0	4.9
Methyl tert-butyl ether		ND		0.48	4.9
Methylcyclohexane		ND	F1	0.75	4.9
Methylene Chloride		ND		2.3	4.9
Styrene		ND	F1 *	0.25	4.9
Tetrachloroethene		ND	F1 *	0.66	4.9
Toluene		0.57	J *	0.37	4.9
trans-1,2-Dichloroethene		ND	F1	0.51	4.9
trans-1,3-Dichloropropene		ND	F1 *	2.2	4.9
Trichloroethene		ND	F1	1.1	4.9
Trichlorofluoromethane		ND		0.46	4.9

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B19-POLEBARN-S2**

Lab Sample ID: 480-92744-4 | Date Sampled: 12/14/2015 1130
Client Matrix: Solid | % Moisture: 7.1 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2477.D
Dilution:	1.0			Initial Weight/Volume:	5.49 g
Analysis Date:	12/18/2015 0319			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.60	4.9
Xylenes, Total		ND	F1	0.82	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		64 - 126
4-Bromofluorobenzene (Surr)	32	* X	72 - 126
Toluene-d8 (Surr)	131	X *	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B20-POLEBARN-S1**

Lab Sample ID: 480-92744-5 | Date Sampled: 12/14/2015 1335
Client Matrix: Solid | % Moisture: 8.0 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2478.D
Dilution:	1.0			Initial Weight/Volume:	5.22 g
Analysis Date:	12/18/2015 0346			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.38	5.2
1,1,2,2-Tetrachloroethane		ND	*	0.84	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.2
1,1,2-Trichloroethane		ND		0.68	5.2
1,1-Dichloroethane		ND		0.64	5.2
1,1-Dichloroethene		ND		0.64	5.2
1,2,4-Trichlorobenzene		ND	*	0.32	5.2
1,2-Dibromo-3-Chloropropane		ND	*	2.6	5.2
1,2-Dibromoethane		ND		0.67	5.2
1,2-Dichlorobenzene		ND	*	0.41	5.2
1,2-Dichloroethane		ND		0.26	5.2
1,2-Dichloropropane		ND		2.6	5.2
1,3-Dichlorobenzene		ND	*	0.27	5.2
1,4-Dichlorobenzene		ND	*	0.73	5.2
2-Butanone (MEK)		ND		1.9	26
2-Hexanone		ND		2.6	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.4	26
Benzene		ND		0.26	5.2
Bromodichloromethane		ND		0.70	5.2
Bromoform		ND		2.6	5.2
Bromomethane		ND		0.47	5.2
Carbon disulfide		ND		2.6	5.2
Carbon tetrachloride		ND		0.50	5.2
Chlorobenzene		ND		0.69	5.2
Chloroethane		ND		1.2	5.2
Chloroform		ND		0.32	5.2
Chloromethane		ND		0.31	5.2
cis-1,2-Dichloroethene		1.4	J	0.67	5.2
cis-1,3-Dichloropropene		ND		0.75	5.2
Cyclohexane		ND		0.73	5.2
Dibromochloromethane		ND		0.67	5.2
Dichlorodifluoromethane		ND		0.43	5.2
Ethylbenzene		ND		0.36	5.2
Isopropylbenzene		ND	*	0.78	5.2
Methyl acetate		ND		3.1	5.2
Methyl tert-butyl ether		ND		0.51	5.2
Methylcyclohexane		ND		0.79	5.2
Methylene Chloride		2.4	J	2.4	5.2
Styrene		ND		0.26	5.2
Tetrachloroethene		1.5	J	0.70	5.2
Toluene		0.78	J	0.39	5.2
trans-1,2-Dichloroethene		ND		0.54	5.2
trans-1,3-Dichloropropene		ND		2.3	5.2
Trichloroethene		3.0	J	1.1	5.2
Trichlorofluoromethane		ND		0.49	5.2

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B20-POLEBARN-S1

Lab Sample ID: 480-92744-5 Date Sampled: 12/14/2015 1335
Client Matrix: Solid % Moisture: 8.0 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2478.D
Dilution:	1.0			Initial Weight/Volume:	5.22 g
Analysis Date:	12/18/2015 0346			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.64	5.2
Xylenes, Total		ND		0.87	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	48	X	72 - 126
Toluene-d8 (Surr)	130	X	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B20-POLEBARN-S2**

Lab Sample ID: 480-92744-6 | Date Sampled: 12/14/2015 1350
Client Matrix: Solid | % Moisture: 3.6 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2479.D
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	12/18/2015 0413			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		3.6	50
1,1,2,2-Tetrachloroethane		ND		8.1	50
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		11	50
1,1,2-Trichloroethane		ND		6.5	50
1,1-Dichloroethane		360		6.1	50
1,1-Dichloroethene		ND		6.1	50
1,2,4-Trichlorobenzene		ND		3.0	50
1,2-Dibromo-3-Chloropropane		ND		25	50
1,2-Dibromoethane		ND		6.4	50
1,2-Dichlorobenzene		ND		3.9	50
1,2-Dichloroethane		ND		2.5	50
1,2-Dichloropropane		ND		25	50
1,3-Dichlorobenzene		ND		2.6	50
1,4-Dichlorobenzene		ND		7.0	50
2-Butanone (MEK)		ND		18	250
2-Hexanone		ND		25	250
4-Methyl-2-pentanone (MIBK)		ND		16	250
Acetone		ND		42	250
Benzene		ND		2.4	50
Bromodichloromethane		ND		6.7	50
Bromoform		ND		25	50
Bromomethane		ND		4.5	50
Carbon disulfide		ND		25	50
Carbon tetrachloride		ND		4.8	50
Chlorobenzene		ND		6.6	50
Chloroethane		ND		11	50
Chloroform		ND		3.1	50
Chloromethane		ND		3.0	50
cis-1,2-Dichloroethene		1500		6.4	50
cis-1,3-Dichloropropene		ND		7.2	50
Cyclohexane		ND		7.0	50
Dibromochloromethane		ND		6.4	50
Dichlorodifluoromethane		ND		4.1	50
Ethylbenzene		ND		3.4	50
Isopropylbenzene		ND		7.5	50
Methyl acetate		ND		30	50
Methyl tert-butyl ether		ND		4.9	50
Methylcyclohexane		ND		7.6	50
Methylene Chloride		ND		23	50
Styrene		ND		2.5	50
Tetrachloroethene		ND		6.7	50
Toluene		ND		3.8	50
trans-1,2-Dichloroethene		ND		5.1	50
trans-1,3-Dichloropropene		ND		22	50
Trichloroethene		ND		11	50
Trichlorofluoromethane		ND		4.7	50

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B20-POLEBARN-S2

Lab Sample ID: 480-92744-6 Date Sampled: 12/14/2015 1350
Client Matrix: Solid % Moisture: 3.6 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2479.D
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	12/18/2015 0413			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		6.1	50
Xylenes, Total		ND		8.4	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	88		72 - 126
Toluene-d8 (Surr)	106		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B20-POLEBARN-S3**

Lab Sample ID: 480-92744-7 | Date Sampled: 12/14/2015 1400
Client Matrix: Solid | % Moisture: 15.9 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2480.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/18/2015 0440			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.43	5.9
1,1,2,2-Tetrachloroethane		ND	*	0.96	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	5.9
1,1,2-Trichloroethane		ND	*	0.77	5.9
1,1-Dichloroethane		ND		0.72	5.9
1,1-Dichloroethene		ND		0.72	5.9
1,2,4-Trichlorobenzene		ND	*	0.36	5.9
1,2-Dibromo-3-Chloropropane		ND	*	3.0	5.9
1,2-Dibromoethane		ND	*	0.76	5.9
1,2-Dichlorobenzene		ND	*	0.46	5.9
1,2-Dichloroethane		ND		0.30	5.9
1,2-Dichloropropane		ND		3.0	5.9
1,3-Dichlorobenzene		ND	*	0.30	5.9
1,4-Dichlorobenzene		ND	*	0.83	5.9
2-Butanone (MEK)		ND		2.2	30
2-Hexanone		ND	*	3.0	30
4-Methyl-2-pentanone (MIBK)		ND	*	1.9	30
Acetone		51	B	5.0	30
Benzene		ND		0.29	5.9
Bromodichloromethane		ND		0.79	5.9
Bromoform		ND	*	3.0	5.9
Bromomethane		ND		0.53	5.9
Carbon disulfide		ND		3.0	5.9
Carbon tetrachloride		ND		0.57	5.9
Chlorobenzene		ND	*	0.78	5.9
Chloroethane		ND		1.3	5.9
Chloroform		ND		0.37	5.9
Chloromethane		ND		0.36	5.9
cis-1,2-Dichloroethene		ND		0.76	5.9
cis-1,3-Dichloropropene		ND		0.85	5.9
Cyclohexane		ND		0.83	5.9
Dibromochloromethane		ND	*	0.76	5.9
Dichlorodifluoromethane		ND		0.49	5.9
Ethylbenzene		ND	*	0.41	5.9
Isopropylbenzene		ND	*	0.89	5.9
Methyl acetate		ND		3.6	5.9
Methyl tert-butyl ether		ND		0.58	5.9
Methylcyclohexane		ND		0.90	5.9
Methylene Chloride		ND		2.7	5.9
Styrene		ND	*	0.30	5.9
Tetrachloroethene		ND	*	0.79	5.9
Toluene		ND	*	0.45	5.9
trans-1,2-Dichloroethene		ND		0.61	5.9
trans-1,3-Dichloropropene		ND	*	2.6	5.9
Trichloroethene		ND		1.3	5.9
Trichlorofluoromethane		ND		0.56	5.9

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B20-POLEBARN-S3**

Lab Sample ID: 480-92744-7 | Date Sampled: 12/14/2015 1400
Client Matrix: Solid | % Moisture: 15.9 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2480.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/18/2015 0440			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.72	5.9
Xylenes, Total		ND		0.99	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	47	X *	72 - 126
Toluene-d8 (Surr)	129	X *	71 - 125

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: **B21-POLEBARN-S1**

Lab Sample ID: 480-92744-8 Date Sampled: 12/14/2015 1230
Client Matrix: Solid % Moisture: 8.1 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C Analysis Batch: 480-280424 Instrument ID: HP5973P
Prep Method: 5035 Prep Batch: 480-280425 Lab File ID: P2481.D
Dilution: 1.0 Initial Weight/Volume: 5.01 g
Analysis Date: 12/18/2015 0508 Final Weight/Volume: 5 mL
Prep Date: 12/17/2015 2253

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND	*	0.88	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND	*	0.71	5.4
1,1-Dichloroethane		ND		0.66	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND	*	0.33	5.4
1,2-Dibromo-3-Chloropropane		ND	*	2.7	5.4
1,2-Dibromoethane		ND	*	0.70	5.4
1,2-Dichlorobenzene		ND	*	0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND	*	0.28	5.4
1,4-Dichlorobenzene		ND	*	0.76	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND	*	2.7	27
4-Methyl-2-pentanone (MIBK)		ND	*	1.8	27
Acetone		ND		4.6	27
Benzene		ND		0.27	5.4
Bromodichloromethane		ND		0.73	5.4
Bromoform		ND	*	2.7	5.4
Bromomethane		ND		0.49	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.53	5.4
Chlorobenzene		ND	*	0.72	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.34	5.4
Chloromethane		ND		0.33	5.4
cis-1,2-Dichloroethene		ND		0.70	5.4
cis-1,3-Dichloropropene		ND		0.78	5.4
Cyclohexane		ND		0.76	5.4
Dibromochloromethane		ND	*	0.70	5.4
Dichlorodifluoromethane		ND		0.45	5.4
Ethylbenzene		ND	*	0.37	5.4
Isopropylbenzene		ND	*	0.82	5.4
Methyl acetate		ND		3.3	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.83	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND	*	0.27	5.4
Tetrachloroethene		ND	*	0.73	5.4
Toluene		ND	*	0.41	5.4
trans-1,2-Dichloroethene		ND		0.56	5.4
trans-1,3-Dichloropropene		ND	*	2.4	5.4
Trichloroethene		ND		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B21-POLEBARN-S1**

Lab Sample ID: 480-92744-8 | Date Sampled: 12/14/2015 1230
Client Matrix: Solid | % Moisture: 8.1 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2481.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/18/2015 0508			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.66	5.4
Xylenes, Total		ND		0.91	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	43	X *	72 - 126
Toluene-d8 (Surr)	130	X *	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B21-POLEBARN-S2**

Lab Sample ID: 480-92744-9 | Date Sampled: 12/14/2015 1245
Client Matrix: Solid | % Moisture: 9.1 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2460.D
Dilution:	1.0			Initial Weight/Volume:	5.14 g
Analysis Date:	12/17/2015 1819			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.87	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1,2-Trichloroethane		ND		0.70	5.4
1,1-Dichloroethane		ND		0.65	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.69	5.4
1,2-Dichlorobenzene		ND		0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.75	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.48	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND		0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.33	5.4
Chloromethane		ND		0.32	5.4
cis-1,2-Dichloroethene		ND		0.69	5.4
cis-1,3-Dichloropropene		ND		0.77	5.4
Cyclohexane		ND		0.75	5.4
Dibromochloromethane		ND		0.69	5.4
Dichlorodifluoromethane		ND		0.44	5.4
Ethylbenzene		ND		0.37	5.4
Isopropylbenzene		ND		0.81	5.4
Methyl acetate		ND		3.2	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.81	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		ND		0.72	5.4
Toluene		ND		0.40	5.4
trans-1,2-Dichloroethene		ND		0.55	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		ND		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B21-POLEBARN-S2

Lab Sample ID: 480-92744-9 Date Sampled: 12/14/2015 1245
Client Matrix: Solid % Moisture: 9.1 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2460.D
Dilution:	1.0			Initial Weight/Volume:	5.14 g
Analysis Date:	12/17/2015 1819			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.4
Xylenes, Total		ND		0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		64 - 126
4-Bromofluorobenzene (Surr)	95		72 - 126
Toluene-d8 (Surr)	103		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B37-POLEBARN-S1**

Lab Sample ID: 480-92744-10 | Date Sampled: 12/14/2015 1605
Client Matrix: Solid | % Moisture: 11.2 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2482.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/18/2015 0535			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND	*	0.90	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.5
1,1,2-Trichloroethane		ND		0.72	5.5
1,1-Dichloroethane		ND		0.68	5.5
1,1-Dichloroethene		ND		0.68	5.5
1,2,4-Trichlorobenzene		ND	*	0.34	5.5
1,2-Dibromo-3-Chloropropane		ND	*	2.8	5.5
1,2-Dibromoethane		ND		0.71	5.5
1,2-Dichlorobenzene		ND	*	0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.8	5.5
1,3-Dichlorobenzene		ND	*	0.28	5.5
1,4-Dichlorobenzene		ND	*	0.78	5.5
2-Butanone (MEK)		ND		2.0	28
2-Hexanone		ND		2.8	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		7.7	J B	4.7	28
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.8	5.5
Bromomethane		ND		0.50	5.5
Carbon disulfide		ND		2.8	5.5
Carbon tetrachloride		ND		0.54	5.5
Chlorobenzene		ND		0.73	5.5
Chloroethane		ND		1.3	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		2.5	J	0.71	5.5
cis-1,3-Dichloropropene		ND		0.80	5.5
Cyclohexane		ND		0.78	5.5
Dibromochloromethane		ND		0.71	5.5
Dichlorodifluoromethane		ND		0.46	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND	*	0.84	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.84	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.28	5.5
Tetrachloroethene		1.5	J	0.74	5.5
Toluene		0.69	J	0.42	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		3.3	J	1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B37-POLEBARN-S1

Lab Sample ID: 480-92744-10 Date Sampled: 12/14/2015 1605
Client Matrix: Solid % Moisture: 11.2 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2482.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/18/2015 0535			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.68	5.5
Xylenes, Total		ND		0.93	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	56	X	72 - 126
Toluene-d8 (Surr)	116		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B37-POLEBARN-S2**

Lab Sample ID: 480-92744-11 | Date Sampled: 12/14/2015 1540
Client Matrix: Solid | % Moisture: 7.2 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6462.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/22/2015 1427			Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		30	110
1,1,2,2-Tetrachloroethane		ND		18	110
1,1,2-Trichloro-1,2,2-trifluoroethane		640		55	110
1,1,2-Trichloroethane		ND		23	110
1,1-Dichloroethane		160		34	110
1,1-Dichloroethene		ND		38	110
1,2,4-Trichlorobenzene		ND		42	110
1,2-Dibromo-3-Chloropropane		ND		55	110
1,2-Dibromoethane		ND		19	110
1,2-Dichlorobenzene		ND		28	110
1,2-Dichloroethane		ND		45	110
1,2-Dichloropropane		ND		18	110
1,3-Dichlorobenzene		ND		29	110
1,4-Dichlorobenzene		ND		15	110
2-Butanone (MEK)		ND		330	550
2-Hexanone		ND		230	550
4-Methyl-2-pentanone (MIBK)		ND		35	550
Acetone		ND		450	550
Benzene		ND		21	110
Bromodichloromethane		ND		22	110
Bromoform		ND		55	110
Bromomethane		ND		24	110
Carbon disulfide		ND		50	110
Carbon tetrachloride		ND		28	110
Chlorobenzene		ND		15	110
Chloroethane		ND		23	110
Chloroform		ND		75	110
Chloromethane		ND		26	110
cis-1,2-Dichloroethene		1600		30	110
cis-1,3-Dichloropropene		ND		26	110
Cyclohexane		ND		24	110
Dibromochloromethane		ND		53	110
Dichlorodifluoromethane		ND		48	110
Ethylbenzene		76	J	32	110
Isopropylbenzene		ND		16	110
Methyl acetate		ND		52	110
Methyl tert-butyl ether		ND		42	110
Methylcyclohexane		ND		51	110
Methylene Chloride		ND		22	110
Styrene		ND		26	110
Tetrachloroethene		15000	E	15	110
Toluene		270		29	110
trans-1,2-Dichloroethene		ND		26	110
trans-1,3-Dichloropropene		ND		11	110
Trichloroethene		15000	E	31	110
Trichlorofluoromethane		ND		52	110

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B37-POLEBARN-S2

Lab Sample ID: 480-92744-11 Date Sampled: 12/14/2015 1540
Client Matrix: Solid % Moisture: 7.2 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6462.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/22/2015 1427			Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		37	110
Xylenes, Total		220		61	220

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		53 - 146
4-Bromofluorobenzene (Surr)	89		49 - 148
Toluene-d8 (Surr)	98		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B37-POLEBARN-S2**

Lab Sample ID: 480-92744-11 | Date Sampled: 12/14/2015 1540
Client Matrix: Solid | % Moisture: 7.2 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6473.D
Dilution:	4.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/22/2015 1839	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		120	440
1,1,2,2-Tetrachloroethane		ND		71	440
1,1,2-Trichloro-1,2,2-trifluoroethane		820		220	440
1,1,2-Trichloroethane		ND		92	440
1,1-Dichloroethane		200	J	140	440
1,1-Dichloroethene		ND		150	440
1,2,4-Trichlorobenzene		ND		170	440
1,2-Dibromo-3-Chloropropane		ND		220	440
1,2-Dibromoethane		ND		77	440
1,2-Dichlorobenzene		ND		110	440
1,2-Dichloroethane		ND		180	440
1,2-Dichloropropane		ND		71	440
1,3-Dichlorobenzene		ND		120	440
1,4-Dichlorobenzene		ND		62	440
2-Butanone (MEK)		ND		1300	2200
2-Hexanone		ND		900	2200
4-Methyl-2-pentanone (MIBK)		ND		140	2200
Acetone		ND		1800	2200
Benzene		ND		84	440
Bromodichloromethane		ND		88	440
Bromoform		ND		220	440
Bromomethane		ND		97	440
Carbon disulfide		ND		200	440
Carbon tetrachloride		ND		110	440
Chlorobenzene		ND		58	440
Chloroethane		ND		91	440
Chloroform		ND		300	440
Chloromethane		ND		100	440
cis-1,2-Dichloroethene		1600		120	440
cis-1,3-Dichloropropene		ND		110	440
Cyclohexane		ND		98	440
Dibromochloromethane		ND		210	440
Dichlorodifluoromethane		ND		190	440
Ethylbenzene		ND		130	440
Isopropylbenzene		ND		66	440
Methyl acetate		ND		210	440
Methyl tert-butyl ether		ND		170	440
Methylcyclohexane		ND		210	440
Methylene Chloride		ND		87	440
Styrene		ND		110	440
Tetrachloroethene		17000		59	440
Toluene		290	J	120	440
trans-1,2-Dichloroethene		ND		100	440
trans-1,3-Dichloropropene		ND		43	440
Trichloroethene		16000		120	440
Trichlorofluoromethane		ND		210	440

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B37-POLEBARN-S2

Lab Sample ID: 480-92744-11 Date Sampled: 12/14/2015 1540
Client Matrix: Solid % Moisture: 7.2 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6473.D
Dilution:	4.0			Initial Weight/Volume:	5.08 g
Analysis Date:	12/22/2015 1839	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		150	440
Xylenes, Total		ND		240	880

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		53 - 146
4-Bromofluorobenzene (Surr)	92		49 - 148
Toluene-d8 (Surr)	98		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B37-POLEBARN-S3**

Lab Sample ID: 480-92744-12 | Date Sampled: 12/14/2015 1555
Client Matrix: Solid | % Moisture: 22.7 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2463.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/17/2015 1941			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.46	6.3
1,1,2,2-Tetrachloroethane		ND		1.0	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.4	6.3
1,1,2-Trichloroethane		ND		0.82	6.3
1,1-Dichloroethane		ND		0.76	6.3
1,1-Dichloroethene		ND		0.77	6.3
1,2,4-Trichlorobenzene		ND		0.38	6.3
1,2-Dibromo-3-Chloropropane		ND		3.1	6.3
1,2-Dibromoethane		ND		0.81	6.3
1,2-Dichlorobenzene		ND		0.49	6.3
1,2-Dichloroethane		ND		0.31	6.3
1,2-Dichloropropane		ND		3.1	6.3
1,3-Dichlorobenzene		ND		0.32	6.3
1,4-Dichlorobenzene		ND		0.88	6.3
2-Butanone (MEK)		ND		2.3	31
2-Hexanone		ND		3.1	31
4-Methyl-2-pentanone (MIBK)		ND		2.1	31
Acetone		44	B	5.3	31
Benzene		ND		0.31	6.3
Bromodichloromethane		ND		0.84	6.3
Bromoform		ND		3.1	6.3
Bromomethane		ND		0.56	6.3
Carbon disulfide		ND		3.1	6.3
Carbon tetrachloride		ND		0.61	6.3
Chlorobenzene		ND		0.83	6.3
Chloroethane		ND		1.4	6.3
Chloroform		ND		0.39	6.3
Chloromethane		ND		0.38	6.3
cis-1,2-Dichloroethene		2.9	J	0.80	6.3
cis-1,3-Dichloropropene		ND		0.90	6.3
Cyclohexane		ND		0.88	6.3
Dibromochloromethane		ND		0.80	6.3
Dichlorodifluoromethane		ND		0.52	6.3
Ethylbenzene		ND		0.43	6.3
Isopropylbenzene		ND		0.95	6.3
Methyl acetate		ND		3.8	6.3
Methyl tert-butyl ether		ND		0.62	6.3
Methylcyclohexane		ND		0.95	6.3
Methylene Chloride		ND		2.9	6.3
Styrene		ND		0.31	6.3
Tetrachloroethene		4.2	J	0.84	6.3
Toluene		ND		0.47	6.3
trans-1,2-Dichloroethene		ND		0.65	6.3
trans-1,3-Dichloropropene		ND		2.8	6.3
Trichloroethene		7.9		1.4	6.3
Trichlorofluoromethane		ND		0.59	6.3

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B37-POLEBARN-S3**

Lab Sample ID: 480-92744-12 | Date Sampled: 12/14/2015 1555
Client Matrix: Solid | % Moisture: 22.7 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2463.D
Dilution:	1.0			Initial Weight/Volume:	5.16 g
Analysis Date:	12/17/2015 1941			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.76	6.3
Xylenes, Total		ND		1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	89		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B38-POLEBARN-S1**

Lab Sample ID: 480-92744-13 | Date Sampled: 12/14/2015 1415
Client Matrix: Solid | % Moisture: 8.7 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2464.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/17/2015 2009			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.89	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		430	E	1.2	5.5
1,1,2-Trichloroethane		ND		0.71	5.5
1,1-Dichloroethane		1.5	J	0.67	5.5
1,1-Dichloroethene		ND		0.67	5.5
1,2,4-Trichlorobenzene		ND		0.33	5.5
1,2-Dibromo-3-Chloropropane		ND		2.7	5.5
1,2-Dibromoethane		ND		0.70	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.27	5.5
1,2-Dichloropropane		ND		2.7	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Butanone (MEK)		2.2	J B	2.0	27
2-Hexanone		ND		2.7	27
4-Methyl-2-pentanone (MIBK)		3.4	J	1.8	27
Acetone		5.5	J B	4.6	27
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.73	5.5
Bromoform		ND		2.7	5.5
Bromomethane		ND		0.49	5.5
Carbon disulfide		5.2	J	2.7	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.72	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		2.6	J	0.70	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.77	5.5
Dibromochloromethane		ND		0.70	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.82	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.83	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.27	5.5
Tetrachloroethene		1.4	J	0.73	5.5
Toluene		ND		0.41	5.5
trans-1,2-Dichloroethene		ND		0.56	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		3.5	J	1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B38-POLEBARN-S1

Lab Sample ID: 480-92744-13 Date Sampled: 12/14/2015 1415
Client Matrix: Solid % Moisture: 8.7 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2464.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/17/2015 2009			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		6.4		0.67	5.5
Xylenes, Total		ND		0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	91		72 - 126
Toluene-d8 (Surr)	103		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B38-POLEBARN-S1**

Lab Sample ID: 480-92744-13 | Date Sampled: 12/14/2015 1415
Client Matrix: Solid | % Moisture: 8.7 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2485.D
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	12/18/2015 0656	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		1.9	26
1,1,2,2-Tetrachloroethane		ND		4.3	26
1,1,2-Trichloro-1,2,2-trifluoroethane		510		6.0	26
1,1,2-Trichloroethane		ND		3.4	26
1,1-Dichloroethane		ND		3.2	26
1,1-Dichloroethene		ND		3.2	26
1,2,4-Trichlorobenzene		ND		1.6	26
1,2-Dibromo-3-Chloropropane		ND		13	26
1,2-Dibromoethane		ND		3.4	26
1,2-Dichlorobenzene		ND		2.1	26
1,2-Dichloroethane		ND		1.3	26
1,2-Dichloropropane		ND		13	26
1,3-Dichlorobenzene		ND		1.4	26
1,4-Dichlorobenzene		ND		3.7	26
2-Butanone (MEK)		ND		9.6	130
2-Hexanone		ND		13	130
4-Methyl-2-pentanone (MIBK)		ND		8.6	130
Acetone		ND		22	130
Benzene		ND		1.3	26
Bromodichloromethane		ND		3.5	26
Bromoform		ND		13	26
Bromomethane		ND		2.4	26
Carbon disulfide		13	J	13	26
Carbon tetrachloride		ND		2.5	26
Chlorobenzene		ND		3.5	26
Chloroethane		ND		6.0	26
Chloroform		ND		1.6	26
Chloromethane		ND		1.6	26
cis-1,2-Dichloroethene		4.7	J	3.4	26
cis-1,3-Dichloropropene		ND		3.8	26
Cyclohexane		ND		3.7	26
Dibromochloromethane		ND		3.4	26
Dichlorodifluoromethane		ND		2.2	26
Ethylbenzene		ND		1.8	26
Isopropylbenzene		ND		4.0	26
Methyl acetate		ND		16	26
Methyl tert-butyl ether		ND		2.6	26
Methylcyclohexane		ND		4.0	26
Methylene Chloride		ND		12	26
Styrene		ND		1.3	26
Tetrachloroethene		5.2	J	3.5	26
Toluene		ND		2.0	26
trans-1,2-Dichloroethene		ND		2.7	26
trans-1,3-Dichloropropene		ND		12	26
Trichloroethene		9.2	J	5.8	26
Trichlorofluoromethane		ND		2.5	26

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: **B38-POLEBARN-S1**

Lab Sample ID: 480-92744-13 Date Sampled: 12/14/2015 1415
Client Matrix: Solid % Moisture: 8.7 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2485.D
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	12/18/2015 0656	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		4.8	J	3.2	26
Xylenes, Total		ND		4.4	53

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	88		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B38-POLEBARN-S2**

Lab Sample ID: 480-92744-14 | Date Sampled: 12/14/2015 1440
Client Matrix: Solid | % Moisture: 5.4 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6463.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/22/2015 1450			Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		30	110
1,1,2,2-Tetrachloroethane		ND		18	110
1,1,2-Trichloro-1,2,2-trifluoroethane		4200		54	110
1,1,2-Trichloroethane		ND		23	110
1,1-Dichloroethane		44	J	33	110
1,1-Dichloroethene		ND		37	110
1,2,4-Trichlorobenzene		ND		41	110
1,2-Dibromo-3-Chloropropane		ND		54	110
1,2-Dibromoethane		ND		19	110
1,2-Dichlorobenzene		120		28	110
1,2-Dichloroethane		ND		44	110
1,2-Dichloropropane		ND		18	110
1,3-Dichlorobenzene		ND		29	110
1,4-Dichlorobenzene		ND		15	110
2-Butanone (MEK)		ND		320	540
2-Hexanone		ND		220	540
4-Methyl-2-pentanone (MIBK)		ND		35	540
Acetone		ND		450	540
Benzene		ND		21	110
Bromodichloromethane		ND		22	110
Bromoform		ND		54	110
Bromomethane		ND		24	110
Carbon disulfide		ND		49	110
Carbon tetrachloride		ND		28	110
Chlorobenzene		31	J	14	110
Chloroethane		ND		23	110
Chloroform		ND		74	110
Chloromethane		ND		26	110
cis-1,2-Dichloroethene		47	J	30	110
cis-1,3-Dichloropropene		ND		26	110
Cyclohexane		ND		24	110
Dibromochloromethane		ND		52	110
Dichlorodifluoromethane		ND		47	110
Ethylbenzene		140		32	110
Isopropylbenzene		ND		16	110
Methyl acetate		ND		52	110
Methyl tert-butyl ether		ND		41	110
Methylcyclohexane		ND		51	110
Methylene Chloride		ND		21	110
Styrene		ND		26	110
Tetrachloroethene		24000	E	15	110
Toluene		110		29	110
trans-1,2-Dichloroethene		ND		26	110
trans-1,3-Dichloropropene		ND		11	110
Trichloroethene		8400		30	110
Trichlorofluoromethane		ND		51	110

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B38-POLEBARN-S2

Lab Sample ID: 480-92744-14 Date Sampled: 12/14/2015 1440
Client Matrix: Solid % Moisture: 5.4 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6463.D
Dilution:	1.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/22/2015 1450			Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		36	110
Xylenes, Total		520		60	220

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		53 - 146
4-Bromofluorobenzene (Surr)	91		49 - 148
Toluene-d8 (Surr)	98		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B38-POLEBARN-S2**

Lab Sample ID: 480-92744-14 | Date Sampled: 12/14/2015 1440
Client Matrix: Solid | % Moisture: 5.4 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6474.D
Dilution:	4.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/22/2015 1902	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		120	430
1,1,2,2-Tetrachloroethane		ND		70	430
1,1,2-Trichloro-1,2,2-trifluoroethane		5000		220	430
1,1,2-Trichloroethane		ND		91	430
1,1-Dichloroethane		ND		130	430
1,1-Dichloroethene		ND		150	430
1,2,4-Trichlorobenzene		ND		160	430
1,2-Dibromo-3-Chloropropane		ND		220	430
1,2-Dibromoethane		ND		76	430
1,2-Dichlorobenzene		110	J	110	430
1,2-Dichloroethane		ND		180	430
1,2-Dichloropropane		ND		70	430
1,3-Dichlorobenzene		ND		120	430
1,4-Dichlorobenzene		ND		61	430
2-Butanone (MEK)		ND		1300	2200
2-Hexanone		ND		890	2200
4-Methyl-2-pentanone (MIBK)		ND		140	2200
Acetone		ND		1800	2200
Benzene		ND		82	430
Bromodichloromethane		ND		87	430
Bromoform		ND		220	430
Bromomethane		ND		95	430
Carbon disulfide		ND		200	430
Carbon tetrachloride		ND		110	430
Chlorobenzene		ND		57	430
Chloroethane		ND		90	430
Chloroform		ND		300	430
Chloromethane		ND		100	430
cis-1,2-Dichloroethene		ND		120	430
cis-1,3-Dichloropropene		ND		100	430
Cyclohexane		ND		96	430
Dibromochloromethane		ND		210	430
Dichlorodifluoromethane		ND		190	430
Ethylbenzene		150	J	130	430
Isopropylbenzene		ND		65	430
Methyl acetate		ND		210	430
Methyl tert-butyl ether		ND		160	430
Methylcyclohexane		ND		200	430
Methylene Chloride		ND		86	430
Styrene		ND		100	430
Tetrachloroethene		27000		58	430
Toluene		ND		120	430
trans-1,2-Dichloroethene		ND		100	430
trans-1,3-Dichloropropene		ND		43	430
Trichloroethene		8800		120	430
Trichlorofluoromethane		ND		200	430

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B38-POLEBARN-S2

Lab Sample ID: 480-92744-14 Date Sampled: 12/14/2015 1440
Client Matrix: Solid % Moisture: 5.4 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-281000	Instrument ID:	HP5973S
Prep Method:	5035A	Prep Batch:	480-280904	Lab File ID:	S6474.D
Dilution:	4.0			Initial Weight/Volume:	5.01 g
Analysis Date:	12/22/2015 1902	Run Type:	DL	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		150	430
Xylenes, Total		540	J	240	870

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		53 - 146
4-Bromofluorobenzene (Surr)	91		49 - 148
Toluene-d8 (Surr)	100		50 - 149

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B38-POLEBARN-S3**

Lab Sample ID: 480-92744-15 | Date Sampled: 12/14/2015 1510
Client Matrix: Solid | % Moisture: 7.3 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2466.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 2103			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 1258				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND	*	0.87	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		10		1.2	5.4
1,1,2-Trichloroethane		ND	*	0.70	5.4
1,1-Dichloroethane		0.81	J	0.66	5.4
1,1-Dichloroethene		ND		0.66	5.4
1,2,4-Trichlorobenzene		ND	*	0.33	5.4
1,2-Dibromo-3-Chloropropane		ND	*	2.7	5.4
1,2-Dibromoethane		ND	*	0.69	5.4
1,2-Dichlorobenzene		ND	*	0.42	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND	*	0.28	5.4
1,4-Dichlorobenzene		ND	*	0.75	5.4
2-Butanone (MEK)		ND		2.0	27
2-Hexanone		ND	*	2.7	27
4-Methyl-2-pentanone (MIBK)		ND	*	1.8	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.4
Bromodichloromethane		ND		0.72	5.4
Bromoform		ND	*	2.7	5.4
Bromomethane		ND		0.48	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.52	5.4
Chlorobenzene		ND	*	0.71	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.33	5.4
Chloromethane		ND		0.32	5.4
cis-1,2-Dichloroethene		3.0	J	0.69	5.4
cis-1,3-Dichloropropene		ND		0.77	5.4
Cyclohexane		ND		0.75	5.4
Dibromochloromethane		ND	*	0.69	5.4
Dichlorodifluoromethane		ND		0.44	5.4
Ethylbenzene		ND	*	0.37	5.4
Isopropylbenzene		ND	*	0.81	5.4
Methyl acetate		ND		3.2	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.82	5.4
Methylene Chloride		2.7	J	2.5	5.4
Styrene		ND	*	0.27	5.4
Tetrachloroethene		15	*	0.72	5.4
Toluene		ND	*	0.41	5.4
trans-1,2-Dichloroethene		ND		0.55	5.4
trans-1,3-Dichloropropene		ND	*	2.4	5.4
Trichloroethene		14		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B38-POLEBARN-S3**

Lab Sample ID: 480-92744-15 | Date Sampled: 12/14/2015 1510
Client Matrix: Solid | % Moisture: 7.3 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2466.D
Dilution:	1.0			Initial Weight/Volume:	5.02 g
Analysis Date:	12/17/2015 2103			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 1258				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.66	5.4
Xylenes, Total		ND		0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		64 - 126
4-Bromofluorobenzene (Surr)	27	X *	72 - 126
Toluene-d8 (Surr)	109	*	71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B-POLEBARN-DUP4**

Lab Sample ID: 480-92744-16 | Date Sampled: 12/14/2015 1600
Client Matrix: Solid | % Moisture: 23.1 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2467.D
Dilution:	1.0			Initial Weight/Volume:	5.2 g
Analysis Date:	12/17/2015 2131			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 1258				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.45	6.3
1,1,2,2-Tetrachloroethane		ND		1.0	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane		2.0	J	1.4	6.3
1,1,2-Trichloroethane		ND		0.81	6.3
1,1-Dichloroethane		0.80	J	0.76	6.3
1,1-Dichloroethene		ND		0.77	6.3
1,2,4-Trichlorobenzene		ND		0.38	6.3
1,2-Dibromo-3-Chloropropane		ND		3.1	6.3
1,2-Dibromoethane		ND		0.80	6.3
1,2-Dichlorobenzene		ND		0.49	6.3
1,2-Dichloroethane		ND		0.31	6.3
1,2-Dichloropropane		ND		3.1	6.3
1,3-Dichlorobenzene		ND		0.32	6.3
1,4-Dichlorobenzene		ND		0.88	6.3
2-Butanone (MEK)		ND		2.3	31
2-Hexanone		ND		3.1	31
4-Methyl-2-pentanone (MIBK)		ND		2.1	31
Acetone		40	B	5.3	31
Benzene		ND		0.31	6.3
Bromodichloromethane		ND		0.84	6.3
Bromoform		ND		3.1	6.3
Bromomethane		ND		0.56	6.3
Carbon disulfide		ND		3.1	6.3
Carbon tetrachloride		ND		0.61	6.3
Chlorobenzene		ND		0.83	6.3
Chloroethane		ND		1.4	6.3
Chloroform		ND		0.39	6.3
Chloromethane		ND		0.38	6.3
cis-1,2-Dichloroethene		2.0	J	0.80	6.3
cis-1,3-Dichloropropene		ND		0.90	6.3
Cyclohexane		ND		0.88	6.3
Dibromochloromethane		ND		0.80	6.3
Dichlorodifluoromethane		ND		0.52	6.3
Ethylbenzene		ND		0.43	6.3
Isopropylbenzene		ND		0.94	6.3
Methyl acetate		ND		3.8	6.3
Methyl tert-butyl ether		ND		0.61	6.3
Methylcyclohexane		ND		0.95	6.3
Methylene Chloride		ND		2.9	6.3
Styrene		ND		0.31	6.3
Tetrachloroethene		4.0	J	0.84	6.3
Toluene		ND		0.47	6.3
trans-1,2-Dichloroethene		ND		0.65	6.3
trans-1,3-Dichloropropene		ND		2.8	6.3
Trichloroethene		6.1	J	1.4	6.3
Trichlorofluoromethane		ND		0.59	6.3

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B-POLEBARN-DUP4**

Lab Sample ID: 480-92744-16 | Date Sampled: 12/14/2015 1600
Client Matrix: Solid | % Moisture: 23.1 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280259	Lab File ID:	P2467.D
Dilution:	1.0			Initial Weight/Volume:	5.2 g
Analysis Date:	12/17/2015 2131			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 1258				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.76	6.3
Xylenes, Total		ND		1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	80		72 - 126
Toluene-d8 (Surr)	111		71 - 125

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B36-POLEBARN-S1

Lab Sample ID: 480-92744-17 Date Sampled: 12/15/2015 0915
Client Matrix: Solid % Moisture: 10.1 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2488.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/18/2015 0818			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.90	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		49		1.3	5.5
1,1,2-Trichloroethane		ND		0.72	5.5
1,1-Dichloroethane		2.1	J	0.67	5.5
1,1-Dichloroethene		ND		0.68	5.5
1,2,4-Trichlorobenzene		ND		0.34	5.5
1,2-Dibromo-3-Chloropropane		ND		2.8	5.5
1,2-Dibromoethane		ND		0.71	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.8	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Butanone (MEK)		ND		2.0	28
2-Hexanone		ND		2.8	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		ND		4.7	28
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.8	5.5
Bromomethane		ND		0.50	5.5
Carbon disulfide		ND		2.8	5.5
Carbon tetrachloride		ND		0.54	5.5
Chlorobenzene		ND		0.73	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		59		0.71	5.5
cis-1,3-Dichloropropene		ND		0.80	5.5
Cyclohexane		ND		0.77	5.5
Dibromochloromethane		ND		0.71	5.5
Dichlorodifluoromethane		ND		0.46	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.83	5.5
Methyl acetate		ND		3.3	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.84	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.28	5.5
Tetrachloroethene		ND		0.74	5.5
Toluene		ND		0.42	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		ND		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B36-POLEBARN-S1

Lab Sample ID: 480-92744-17 Date Sampled: 12/15/2015 0915
Client Matrix: Solid % Moisture: 10.1 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280425	Lab File ID:	P2488.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Analysis Date:	12/18/2015 0818			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		36		0.67	5.5
Xylenes, Total		ND		0.93	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Toluene-d8 (Surr)	100		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B36-POLEBARN-S2**

Lab Sample ID: 480-92744-18 | Date Sampled: 12/15/2015 1005
Client Matrix: Solid | % Moisture: 12.5 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280926	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280931	Lab File ID:	P2535.D
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Analysis Date:	12/22/2015 0119			Final Weight/Volume:	5 mL
Prep Date:	12/21/2015 1936				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		4.1	56
1,1,2,2-Tetrachloroethane		ND		9.1	56
1,1,2-Trichloro-1,2,2-trifluoroethane		160		13	56
1,1,2-Trichloroethane		ND		7.3	56
1,1-Dichloroethane		110		6.8	56
1,1-Dichloroethene		ND		6.9	56
1,2,4-Trichlorobenzene		ND		3.4	56
1,2-Dibromo-3-Chloropropane		ND		28	56
1,2-Dibromoethane		ND		7.2	56
1,2-Dichlorobenzene		6.5	J	4.4	56
1,2-Dichloroethane		ND		2.8	56
1,2-Dichloropropane		ND		28	56
1,3-Dichlorobenzene		ND		2.9	56
1,4-Dichlorobenzene		ND		7.8	56
2-Butanone (MEK)		ND		21	280
2-Hexanone		ND		28	280
4-Methyl-2-pentanone (MIBK)		ND		18	280
Acetone		ND		47	280
Benzene		ND		2.7	56
Bromodichloromethane		ND		7.5	56
Bromoform		ND		28	56
Bromomethane		ND		5.0	56
Carbon disulfide		ND		28	56
Carbon tetrachloride		ND		5.4	56
Chlorobenzene		ND		7.4	56
Chloroethane		ND		13	56
Chloroform		ND		3.5	56
Chloromethane		ND		3.4	56
cis-1,2-Dichloroethene		800		7.2	56
cis-1,3-Dichloropropene		ND		8.1	56
Cyclohexane		ND		7.8	56
Dibromochloromethane		ND		7.2	56
Dichlorodifluoromethane		ND		4.6	56
Ethylbenzene		8.5	J	3.9	56
Isopropylbenzene		ND		8.5	56
Methyl acetate		ND		34	56
Methyl tert-butyl ether		ND		5.5	56
Methylcyclohexane		ND		8.5	56
Methylene Chloride		ND		26	56
Styrene		ND		2.8	56
Tetrachloroethene		1900		7.5	56
Toluene		15	J	4.2	56
trans-1,2-Dichloroethene		ND		5.8	56
trans-1,3-Dichloropropene		ND		25	56
Trichloroethene		410		12	56
Trichlorofluoromethane		ND		5.3	56

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Client Sample ID: B36-POLEBARN-S2

Lab Sample ID: 480-92744-18 Date Sampled: 12/15/2015 1005
Client Matrix: Solid % Moisture: 12.5 Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280926	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280931	Lab File ID:	P2535.D
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Analysis Date:	12/22/2015 0119			Final Weight/Volume:	5 mL
Prep Date:	12/21/2015 1936				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		6.8	56
Xylenes, Total		25	J	9.4	110

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		64 - 126
4-Bromofluorobenzene (Surr)	88		72 - 126
Toluene-d8 (Surr)	104		71 - 125

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B36-POLEBARN-S3**

Lab Sample ID: 480-92744-19 | Date Sampled: 12/15/2015 1020
Client Matrix: Solid | % Moisture: 26.2 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280926	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280931	Lab File ID:	P2536.D
Dilution:	1.0			Initial Weight/Volume:	5.14 g
Analysis Date:	12/22/2015 0146			Final Weight/Volume:	5 mL
Prep Date:	12/21/2015 1936				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.48	6.6
1,1,2,2-Tetrachloroethane		ND		1.1	6.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	6.6
1,1,2-Trichloroethane		ND		0.86	6.6
1,1-Dichloroethane		ND		0.80	6.6
1,1-Dichloroethene		ND		0.81	6.6
1,2,4-Trichlorobenzene		ND		0.40	6.6
1,2-Dibromo-3-Chloropropane		ND		3.3	6.6
1,2-Dibromoethane		ND		0.85	6.6
1,2-Dichlorobenzene		ND		0.52	6.6
1,2-Dichloroethane		ND		0.33	6.6
1,2-Dichloropropane		ND		3.3	6.6
1,3-Dichlorobenzene		ND		0.34	6.6
1,4-Dichlorobenzene		ND		0.92	6.6
2-Butanone (MEK)		ND		2.4	33
2-Hexanone		ND		3.3	33
4-Methyl-2-pentanone (MIBK)		ND		2.2	33
Acetone		16	J B	5.6	33
Benzene		ND		0.32	6.6
Bromodichloromethane		ND		0.88	6.6
Bromoform		ND		3.3	6.6
Bromomethane		ND		0.59	6.6
Carbon disulfide		ND		3.3	6.6
Carbon tetrachloride		ND		0.64	6.6
Chlorobenzene		ND		0.87	6.6
Chloroethane		ND		1.5	6.6
Chloroform		ND		0.41	6.6
Chloromethane		ND		0.40	6.6
cis-1,2-Dichloroethene		4.1	J	0.84	6.6
cis-1,3-Dichloropropene		ND		0.95	6.6
Cyclohexane		ND		0.92	6.6
Dibromochloromethane		ND		0.84	6.6
Dichlorodifluoromethane		ND		0.54	6.6
Ethylbenzene		ND		0.46	6.6
Isopropylbenzene		ND		0.99	6.6
Methyl acetate		ND		4.0	6.6
Methyl tert-butyl ether		ND		0.65	6.6
Methylcyclohexane		ND		1.0	6.6
Methylene Chloride		ND		3.0	6.6
Styrene		ND		0.33	6.6
Tetrachloroethene		ND		0.88	6.6
Toluene		ND		0.50	6.6
trans-1,2-Dichloroethene		ND		0.68	6.6
trans-1,3-Dichloropropene		ND		2.9	6.6
Trichloroethene		ND		1.5	6.6
Trichlorofluoromethane		ND		0.62	6.6

Client: Stantec Consulting Services Inc | Job Number: 480-92744-1

Client Sample ID: **B36-POLEBARN-S3**

Lab Sample ID: 480-92744-19 | Date Sampled: 12/15/2015 1020
Client Matrix: Solid | % Moisture: 26.2 | Date Received: 12/16/2015 0130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-280926	Instrument ID:	HP5973P
Prep Method:	5035	Prep Batch:	480-280931	Lab File ID:	P2536.D
Dilution:	1.0			Initial Weight/Volume:	5.14 g
Analysis Date:	12/22/2015 0146			Final Weight/Volume:	5 mL
Prep Date:	12/21/2015 1936				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.80	6.6
Xylenes, Total		ND		1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	95		72 - 126
Toluene-d8 (Surr)	104		71 - 125

General Chemistry

Client Sample ID: **B18-POLEBARN-S1**

Lab Sample ID: 480-92744-1 Date Sampled: 12/14/2015 1200
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B18-POLEBARN-S2**

Lab Sample ID: 480-92744-2 Date Sampled: 12/14/2015 1215
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	86		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B19-POLEBARN-S1**

Lab Sample ID: 480-92744-3 Date Sampled: 12/14/2015 1120
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B19-POLEBARN-S2**

Lab Sample ID: 480-92744-4 Date Sampled: 12/14/2015 1130
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B20-POLEBARN-S1**

Lab Sample ID: 480-92744-5 Date Sampled: 12/14/2015 1335
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B20-POLEBARN-S2**

Lab Sample ID: 480-92744-6 Date Sampled: 12/14/2015 1350
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B20-POLEBARN-S3**

Lab Sample ID: 480-92744-7 Date Sampled: 12/14/2015 1400
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B21-POLEBARN-S1**

Lab Sample ID: 480-92744-8 Date Sampled: 12/14/2015 1230
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B21-POLEBARN-S2**

Lab Sample ID: 480-92744-9 Date Sampled: 12/14/2015 1245
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B37-POLEBARN-S1**

Lab Sample ID: 480-92744-10 Date Sampled: 12/14/2015 1605
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B37-POLEBARN-S2**

Lab Sample ID: 480-92744-11 Date Sampled: 12/14/2015 1540
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B37-POLEBARN-S3**

Lab Sample ID: 480-92744-12 Date Sampled: 12/14/2015 1555
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B38-POLEBARN-S1**

Lab Sample ID: 480-92744-13 Date Sampled: 12/14/2015 1415
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B38-POLEBARN-S2**

Lab Sample ID: 480-92744-14 Date Sampled: 12/14/2015 1440
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N
Percent Solids	95		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1401						DryWt Corrected: N

General Chemistry

Client Sample ID: **B38-POLEBARN-S3**

Lab Sample ID: 480-92744-15 Date Sampled: 12/14/2015 1510
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1403						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1403						DryWt Corrected: N

General Chemistry

Client Sample ID: **B-POLEBARN-DUP4**

Lab Sample ID: 480-92744-16 Date Sampled: 12/14/2015 1600
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1403						DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280346	Analysis Date: 12/17/2015 1403						DryWt Corrected: N

General Chemistry

Client Sample ID: **B36-POLEBARN-S1**

Lab Sample ID: 480-92744-17 Date Sampled: 12/15/2015 0915
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280431	Analysis Date: 12/18/2015 0310						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280431	Analysis Date: 12/18/2015 0310						DryWt Corrected: N

General Chemistry

Client Sample ID: **B36-POLEBARN-S2**

Lab Sample ID: 480-92744-18 Date Sampled: 12/15/2015 1005
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280431	Analysis Date: 12/18/2015 0310						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280431	Analysis Date: 12/18/2015 0310						DryWt Corrected: N

General Chemistry

Client Sample ID: **B36-POLEBARN-S3**

Lab Sample ID: 480-92744-19 Date Sampled: 12/15/2015 1020
Client Matrix: Solid Date Received: 12/16/2015 0130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280431	Analysis Date: 12/18/2015 0310						DryWt Corrected: N
Percent Solids	74		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-280431	Analysis Date: 12/18/2015 0310						DryWt Corrected: N

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92744-1	B18-POLEBARN-S1	108	101	93
480-92744-2	B18-POLEBARN-S2	133X	113*	26X *
480-92744-3	B19-POLEBARN-S1	104	107	78
480-92744-4	B19-POLEBARN-S2	116	131X *	32* X
480-92744-5	B20-POLEBARN-S1	106	130X	48X
480-92744-6	B20-POLEBARN-S2	106	106	88
480-92744-7	B20-POLEBARN-S3	110	129X *	47X *
480-92744-8	B21-POLEBARN-S1	110	130X *	43X *
480-92744-9	B21-POLEBARN-S2	113	103	95
480-92744-10	B37-POLEBARN-S1	106	116	56X
480-92744-12	B37-POLEBARN-S3	109	104	89
480-92744-13	B38-POLEBARN-S1	107	103	91
480-92744-13 DL	B38-POLEBARN-S1 DL	109	104	88
480-92744-15	B38-POLEBARN-S3	118	109*	27X *
480-92744-16	B-POLEBARN-DUP4	103	111	80
480-92744-17	B36-POLEBARN-S1	109	100	94
480-92744-18	B36-POLEBARN-S2	107	104	88
480-92744-19	B36-POLEBARN-S3	110	104	95
MB 480-280259/2-A		106	100	98
MB 480-280425/2-A		103	99	93
MB 480-280931/2-A		105	100	96
LCS 480-280259/1-A		101	100	97
LCS 480-280425/1-A		104	102	96
LCS 480-280931/1-A		105	101	96
480-92744-4 MS	B19-POLEBARN-S2 MS	96	144X *	43X *
480-92744-4 MSD	B19-POLEBARN-S2 MSD	98	149X *	40X *

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-92744-11	B37-POLEBARN-S2	88	98	89
480-92744-11 DL	B37-POLEBARN-S2 DL	88	98	92
480-92744-14	B38-POLEBARN-S2	88	98	91
480-92744-14 DL	B38-POLEBARN-S2 DL	89	100	91
MB 480-280904/3-A		96	101	93
LCS 480-280904/1-A		93	99	105

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Method Blank - Batch: 480-280259

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280259/2-A	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280259	Lab File ID:	P2449.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.12 g
Analysis Date:	12/17/2015 1302	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.35	4.9
1,1,2,2-Tetrachloroethane	ND		0.79	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.9
1,1,2-Trichloroethane	ND		0.63	4.9
1,1-Dichloroethane	ND		0.60	4.9
1,1-Dichloroethene	ND		0.60	4.9
1,2,4-Trichlorobenzene	ND		0.30	4.9
1,2-Dibromo-3-Chloropropane	ND		2.4	4.9
1,2-Dibromoethane	ND		0.63	4.9
1,2-Dichlorobenzene	ND		0.38	4.9
1,2-Dichloroethane	ND		0.25	4.9
1,2-Dichloropropane	ND		2.4	4.9
1,3-Dichlorobenzene	ND		0.25	4.9
1,4-Dichlorobenzene	ND		0.68	4.9
2-Butanone (MEK)	2.10	J	1.8	24
2-Hexanone	ND		2.4	24
4-Methyl-2-pentanone (MIBK)	ND		1.6	24
Acetone	6.51	J	4.1	24
Benzene	ND		0.24	4.9
Bromodichloromethane	ND		0.65	4.9
Bromoform	ND		2.4	4.9
Bromomethane	ND		0.44	4.9
Carbon disulfide	ND		2.4	4.9
Carbon tetrachloride	ND		0.47	4.9
Chlorobenzene	ND		0.64	4.9
Chloroethane	ND		1.1	4.9
Chloroform	ND		0.30	4.9
Chloromethane	ND		0.29	4.9
cis-1,2-Dichloroethene	ND		0.63	4.9
cis-1,3-Dichloropropene	ND		0.70	4.9
Cyclohexane	ND		0.68	4.9
Dibromochloromethane	ND		0.63	4.9
Dichlorodifluoromethane	ND		0.40	4.9
Ethylbenzene	ND		0.34	4.9
Isopropylbenzene	ND		0.74	4.9
Methyl acetate	ND		2.9	4.9
Methyl tert-butyl ether	ND		0.48	4.9
Methylcyclohexane	ND		0.74	4.9
Methylene Chloride	ND		2.2	4.9
Styrene	ND		0.24	4.9
Tetrachloroethene	ND		0.66	4.9
Toluene	ND		0.37	4.9
trans-1,2-Dichloroethene	ND		0.50	4.9
trans-1,3-Dichloropropene	ND		2.1	4.9
Trichloroethene	ND		1.1	4.9

Method Blank - Batch: 480-280259

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280259/2-A	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280259	Lab File ID:	P2449.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.12 g
Analysis Date:	12/17/2015 1302	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.46	4.9
Vinyl chloride	ND		0.60	4.9
Xylenes, Total	ND		0.82	9.8

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	64 - 126
4-Bromofluorobenzene (Surr)	98	72 - 126
Toluene-d8 (Surr)	100	71 - 125

Lab Control Sample - Batch: 480-280259

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-280259/1-A	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280259	Lab File ID:	P2447.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.08 g
Analysis Date:	12/17/2015 1207	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.2	42.5	86	73 - 126	
1,1-Dichloroethene	49.2	40.6	83	59 - 125	
1,2-Dichlorobenzene	49.2	44.1	90	75 - 120	
1,2-Dichloroethane	49.2	42.7	87	77 - 122	
Benzene	49.2	43.6	89	79 - 127	
Chlorobenzene	49.2	44.2	90	76 - 124	
cis-1,2-Dichloroethene	49.2	43.4	88	81 - 117	
Ethylbenzene	49.2	44.1	90	80 - 120	
Methyl tert-butyl ether	49.2	44.4	90	63 - 125	
Tetrachloroethene	49.2	42.5	86	74 - 122	
Toluene	49.2	40.5	82	74 - 128	
trans-1,2-Dichloroethene	49.2	42.0	85	78 - 126	
Trichloroethene	49.2	41.5	84	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	64 - 126
4-Bromofluorobenzene (Surr)	97	72 - 126
Toluene-d8 (Surr)	100	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-280259

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92744-4	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280259	Lab File ID:	P2468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/17/2015 2158			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	480-92744-4	Analysis Batch:	480-280267	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280259	Lab File ID:	P2469.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.15 g
Analysis Date:	12/17/2015 2225			Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 0926				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	90	92	73 - 126	2	30		
1,1-Dichloroethene	85	87	59 - 125	1	30		
1,2-Dichlorobenzene	41	50	75 - 120	19	30	F1 *	* F1
1,2-Dichloroethane	69	70	77 - 122	0	30	F1	F1
Benzene	79	80	79 - 127	1	30		
Chlorobenzene	53	55	76 - 124	3	30	F1 *	* F1
cis-1,2-Dichloroethene	80	83	81 - 117	2	30	F1	
Ethylbenzene	39	43	80 - 120	7	30	F1 *	* F1
Methyl tert-butyl ether	87	90	63 - 125	2	30		
Tetrachloroethene	64	69	74 - 122	7	30	F1 *	* F1
Toluene	80	88	74 - 128	8	30	*	*
trans-1,2-Dichloroethene	77	78	78 - 126	0	30	F1	
Trichloroethene	53	53	77 - 129	2	30	F1	F1

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		98		64 - 126
4-Bromofluorobenzene (Surr)	43	X *	40	X *	72 - 126
Toluene-d8 (Surr)	144	X *	149	X *	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-280259

Method: 8260C
Preparation: 5035

MS Lab Sample ID:	480-92744-4	Units: ug/Kg	MSD Lab Sample ID: 480-92744-4
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Analysis Date:	12/17/2015 2158		Analysis Date: 12/17/2015 2225
Prep Date:	12/17/2015 0926		Prep Date: 12/17/2015 0926
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	52.8	52.3	47.2	48.2
1,1-Dichloroethene	ND	52.8	52.3	44.6	45.3
1,2-Dichlorobenzene	ND	52.8	52.3	21.5 F1 *	26.2 * F1
1,2-Dichloroethane	ND	52.8	52.3	36.6 F1	36.5 F1
Benzene	ND	52.8	52.3	41.7	42.0
Chlorobenzene	ND	52.8	52.3	28.1 F1 *	29.0 * F1
cis-1,2-Dichloroethene	ND	52.8	52.3	42.4 F1	43.4
Ethylbenzene	ND	52.8	52.3	20.8 F1 *	22.3 * F1
Methyl tert-butyl ether	ND	52.8	52.3	46.1	46.9
Tetrachloroethene	ND	52.8	52.3	33.7 F1 *	36.3 * F1
Toluene	ND	52.8	52.3	42.2 *	45.9 *
trans-1,2-Dichloroethene	ND	52.8	52.3	40.7 F1	40.7
Trichloroethene	1.7 J	52.8	52.3	29.7 F1	29.1 F1

Method Blank - Batch: 480-280425

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280425/2-A	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280425	Lab File ID:	P2475.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.11 g
Analysis Date:	12/18/2015 0143	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	4.9
1,1,2,2-Tetrachloroethane	ND		0.79	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.9
1,1,2-Trichloroethane	ND		0.64	4.9
1,1-Dichloroethane	ND		0.60	4.9
1,1-Dichloroethene	ND		0.60	4.9
1,2,4-Trichlorobenzene	ND		0.30	4.9
1,2-Dibromo-3-Chloropropane	ND		2.4	4.9
1,2-Dibromoethane	ND		0.63	4.9
1,2-Dichlorobenzene	ND		0.38	4.9
1,2-Dichloroethane	ND		0.25	4.9
1,2-Dichloropropane	ND		2.4	4.9
1,3-Dichlorobenzene	ND		0.25	4.9
1,4-Dichlorobenzene	ND		0.68	4.9
2-Butanone (MEK)	ND		1.8	24
2-Hexanone	ND		2.4	24
4-Methyl-2-pentanone (MIBK)	ND		1.6	24
Acetone	6.35	J	4.1	24
Benzene	ND		0.24	4.9
Bromodichloromethane	ND		0.66	4.9
Bromoform	ND		2.4	4.9
Bromomethane	ND		0.44	4.9
Carbon disulfide	ND		2.4	4.9
Carbon tetrachloride	ND		0.47	4.9
Chlorobenzene	ND		0.65	4.9
Chloroethane	ND		1.1	4.9
Chloroform	ND		0.30	4.9
Chloromethane	ND		0.30	4.9
cis-1,2-Dichloroethene	ND		0.63	4.9
cis-1,3-Dichloropropene	ND		0.70	4.9
Cyclohexane	ND		0.68	4.9
Dibromochloromethane	ND		0.63	4.9
Dichlorodifluoromethane	ND		0.40	4.9
Ethylbenzene	ND		0.34	4.9
Isopropylbenzene	ND		0.74	4.9
Methyl acetate	ND		3.0	4.9
Methyl tert-butyl ether	ND		0.48	4.9
Methylcyclohexane	ND		0.74	4.9
Methylene Chloride	ND		2.3	4.9
Styrene	ND		0.24	4.9
Tetrachloroethene	ND		0.66	4.9
Toluene	ND		0.37	4.9
trans-1,2-Dichloroethene	ND		0.50	4.9
trans-1,3-Dichloropropene	ND		2.2	4.9
Trichloroethene	ND		1.1	4.9

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Method Blank - Batch: 480-280425

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280425/2-A	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280425	Lab File ID:	P2475.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.11 g
Analysis Date:	12/18/2015 0143	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.46	4.9
Vinyl chloride	ND		0.60	4.9
Xylenes, Total	ND		0.82	9.8

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	64 - 126
4-Bromofluorobenzene (Surr)	93	72 - 126
Toluene-d8 (Surr)	99	71 - 125

Lab Control Sample - Batch: 480-280425

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-280425/1-A	Analysis Batch:	480-280424	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280425	Lab File ID:	P2473.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/18/2015 0048	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/17/2015 2253				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	49.0	45.9	94	73 - 126	
1,1-Dichloroethene	49.0	46.0	94	59 - 125	
1,2-Dichlorobenzene	49.0	43.7	89	75 - 120	
1,2-Dichloroethane	49.0	43.1	88	77 - 122	
Benzene	49.0	46.7	95	79 - 127	
Chlorobenzene	49.0	45.2	92	76 - 124	
cis-1,2-Dichloroethene	49.0	45.7	93	81 - 117	
Ethylbenzene	49.0	46.8	96	80 - 120	
Methyl tert-butyl ether	49.0	44.4	91	63 - 125	
Tetrachloroethene	49.0	46.9	96	74 - 122	
Toluene	49.0	42.8	87	74 - 128	
trans-1,2-Dichloroethene	49.0	46.6	95	78 - 126	
Trichloroethene	49.0	46.2	94	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	64 - 126
4-Bromofluorobenzene (Surr)	96	72 - 126
Toluene-d8 (Surr)	102	71 - 125

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Method Blank - Batch: 480-280904

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280904/3-A	Analysis Batch:	480-280912	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280904	Lab File ID:	S6427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/22/2015 0125	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		27	98
1,1,2,2-Tetrachloroethane	ND		16	98
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49	98
1,1,2-Trichloroethane	ND		21	98
1,1-Dichloroethane	ND		30	98
1,1-Dichloroethene	ND		34	98
1,2,4-Trichlorobenzene	ND		37	98
1,2-Dibromo-3-Chloropropane	ND		49	98
1,2-Dibromoethane	ND		17	98
1,2-Dichlorobenzene	ND		25	98
1,2-Dichloroethane	ND		40	98
1,2-Dichloropropane	ND		16	98
1,3-Dichlorobenzene	ND		26	98
1,4-Dichlorobenzene	ND		14	98
2-Butanone (MEK)	ND		290	490
2-Hexanone	ND		200	490
4-Methyl-2-pentanone (MIBK)	ND		31	490
Acetone	ND		400	490
Benzene	ND		19	98
Bromodichloromethane	ND		20	98
Bromoform	ND		49	98
Bromomethane	ND		22	98
Carbon disulfide	ND		45	98
Carbon tetrachloride	ND		25	98
Chlorobenzene	ND		13	98
Chloroethane	ND		20	98
Chloroform	ND		67	98
Chloromethane	ND		23	98
cis-1,2-Dichloroethene	ND		27	98
cis-1,3-Dichloropropene	ND		23	98
Cyclohexane	ND		22	98
Dibromochloromethane	ND		47	98
Dichlorodifluoromethane	ND		43	98
Ethylbenzene	ND		29	98
Isopropylbenzene	ND		15	98
Methyl acetate	ND		47	98
Methyl tert-butyl ether	ND		37	98
Methylcyclohexane	ND		46	98
Methylene Chloride	ND		19	98
Styrene	ND		24	98
Tetrachloroethene	ND		13	98
Toluene	ND		26	98
trans-1,2-Dichloroethene	ND		23	98
trans-1,3-Dichloropropene	ND		9.6	98
Trichloroethene	ND		27	98

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Method Blank - Batch: 480-280904

Method: 8260C
Preparation: 5035A

Lab Sample ID:	MB 480-280904/3-A	Analysis Batch:	480-280912	Instrument ID:	HP5973S
Client Matrix:	Solid	Prep Batch:	480-280904	Lab File ID:	S6427.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.1 g
Analysis Date:	12/22/2015 0125	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		46	98
Vinyl chloride	ND		33	98
Xylenes, Total	ND		54	200

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	53 - 146
4-Bromofluorobenzene (Surr)	93	49 - 148
Toluene-d8 (Surr)	101	50 - 149

Lab Control Sample - Batch: 480-280904

Method: 8260C
Preparation: 5035A

Lab Sample ID:	LCS 480-280904/1-A	Analysis Batch:	480-281182	Instrument ID:	HP5973C
Client Matrix:	Solid	Prep Batch:	480-280904	Lab File ID:	C60020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.02 g
Analysis Date:	12/22/2015 2351	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	12/21/2015 1707				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	2490	2060	83	78 - 121	
1,1-Dichloroethene	2490	2030	82	48 - 133	
1,2-Dichlorobenzene	2490	2260	91	78 - 125	
1,2-Dichloroethane	2490	1880	75	74 - 127	
Benzene	2490	2060	83	77 - 125	
Chlorobenzene	2490	2370	95	76 - 126	
cis-1,2-Dichloroethene	2490	2060	83	79 - 124	
Ethylbenzene	2490	2290	92	78 - 124	
Methyl tert-butyl ether	2490	1980	79	67 - 137	
Tetrachloroethene	2490	2610	105	73 - 133	
Toluene	2490	2390	96	75 - 124	
trans-1,2-Dichloroethene	2490	2100	84	74 - 129	
Trichloroethene	2490	2080	83	75 - 131	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	53 - 146
4-Bromofluorobenzene (Surr)	105	49 - 148
Toluene-d8 (Surr)	99	50 - 149

Method Blank - Batch: 480-280931

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280931/2-A	Analysis Batch:	480-280926	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280931	Lab File ID:	P2534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/22/2015 0047	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/21/2015 1936				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.80	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		0.64	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.25	5.0
1,4-Dichlorobenzene	ND		0.69	5.0
2-Butanone (MEK)	ND		1.8	25
2-Hexanone	ND		2.5	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	6.00	J	4.2	25
Benzene	ND		0.24	5.0
Bromodichloromethane	ND		0.66	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.65	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.63	5.0
cis-1,3-Dichloropropene	ND		0.71	5.0
Cyclohexane	ND		0.69	5.0
Dibromochloromethane	ND		0.63	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.34	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		3.0	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.75	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.51	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Method Blank - Batch: 480-280931

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 480-280931/2-A	Analysis Batch:	480-280926	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280931	Lab File ID:	P2534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.04 g
Analysis Date:	12/22/2015 0047	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/21/2015 1936				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.83	9.9

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	64 - 126
4-Bromofluorobenzene (Surr)	96	72 - 126
Toluene-d8 (Surr)	100	71 - 125

Lab Control Sample - Batch: 480-280931

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 480-280931/1-A	Analysis Batch:	480-280926	Instrument ID:	HP5973P
Client Matrix:	Solid	Prep Batch:	480-280931	Lab File ID:	P2532.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.16 g
Analysis Date:	12/21/2015 2353	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	12/21/2015 1936				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	48.4	45.0	93	73 - 126	
1,1-Dichloroethene	48.4	44.0	91	59 - 125	
1,2-Dichlorobenzene	48.4	42.5	88	75 - 120	
1,2-Dichloroethane	48.4	41.5	86	77 - 122	
Benzene	48.4	45.7	94	79 - 127	
Chlorobenzene	48.4	44.1	91	76 - 124	
cis-1,2-Dichloroethene	48.4	44.6	92	81 - 117	
Ethylbenzene	48.4	45.2	93	80 - 120	
Methyl tert-butyl ether	48.4	42.7	88	63 - 125	
Tetrachloroethene	48.4	45.2	93	74 - 122	
Toluene	48.4	41.7	86	74 - 128	
trans-1,2-Dichloroethene	48.4	45.3	94	78 - 126	
Trichloroethene	48.4	44.5	92	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	64 - 126
4-Bromofluorobenzene (Surr)	96	72 - 126
Toluene-d8 (Surr)	101	71 - 125

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	ISTD response or retention time outside acceptable limits
	F1	MS and/or MSD Recovery is outside acceptance limits.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-280259					
LCS 480-280259/1-A	Lab Control Sample	T	Solid	5035	
MB 480-280259/2-A	Method Blank	T	Solid	5035	
480-92744-1	B18-POLEBARN-S1	T	Solid	5035	
480-92744-3	B19-POLEBARN-S1	T	Solid	5035	
480-92744-4MS	Matrix Spike	T	Solid	5035	
480-92744-4MSD	Matrix Spike Duplicate	T	Solid	5035	
480-92744-9	B21-POLEBARN-S2	T	Solid	5035	
480-92744-12	B37-POLEBARN-S3	T	Solid	5035	
480-92744-13	B38-POLEBARN-S1	T	Solid	5035	
480-92744-15	B38-POLEBARN-S3	T	Solid	5035	
480-92744-16	B-POLEBARN-DUP4	T	Solid	5035	
Analysis Batch:480-280267					
LCS 480-280259/1-A	Lab Control Sample	T	Solid	8260C	480-280259
MB 480-280259/2-A	Method Blank	T	Solid	8260C	480-280259
480-92744-1	B18-POLEBARN-S1	T	Solid	8260C	480-280259
480-92744-3	B19-POLEBARN-S1	T	Solid	8260C	480-280259
480-92744-4MS	Matrix Spike	T	Solid	8260C	480-280259
480-92744-4MSD	Matrix Spike Duplicate	T	Solid	8260C	480-280259
480-92744-9	B21-POLEBARN-S2	T	Solid	8260C	480-280259
480-92744-12	B37-POLEBARN-S3	T	Solid	8260C	480-280259
480-92744-13	B38-POLEBARN-S1	T	Solid	8260C	480-280259
480-92744-15	B38-POLEBARN-S3	T	Solid	8260C	480-280259
480-92744-16	B-POLEBARN-DUP4	T	Solid	8260C	480-280259
Analysis Batch:480-280424					
LCS 480-280425/1-A	Lab Control Sample	T	Solid	8260C	480-280425
MB 480-280425/2-A	Method Blank	T	Solid	8260C	480-280425
480-92744-2	B18-POLEBARN-S2	T	Solid	8260C	480-280425
480-92744-4	B19-POLEBARN-S2	T	Solid	8260C	480-280425
480-92744-5	B20-POLEBARN-S1	T	Solid	8260C	480-280425
480-92744-6	B20-POLEBARN-S2	T	Solid	8260C	480-280425
480-92744-7	B20-POLEBARN-S3	T	Solid	8260C	480-280425
480-92744-8	B21-POLEBARN-S1	T	Solid	8260C	480-280425
480-92744-10	B37-POLEBARN-S1	T	Solid	8260C	480-280425
480-92744-13DL	B38-POLEBARN-S1	T	Solid	8260C	480-280425
480-92744-17	B36-POLEBARN-S1	T	Solid	8260C	480-280425

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-280425					
LCS 480-280425/1-A	Lab Control Sample	T	Solid	5035	
MB 480-280425/2-A	Method Blank	T	Solid	5035	
480-92744-2	B18-POLEBARN-S2	T	Solid	5035	
480-92744-4	B19-POLEBARN-S2	T	Solid	5035	
480-92744-5	B20-POLEBARN-S1	T	Solid	5035	
480-92744-6	B20-POLEBARN-S2	T	Solid	5035	
480-92744-7	B20-POLEBARN-S3	T	Solid	5035	
480-92744-8	B21-POLEBARN-S1	T	Solid	5035	
480-92744-10	B37-POLEBARN-S1	T	Solid	5035	
480-92744-13DL	B38-POLEBARN-S1	T	Solid	5035	
480-92744-17	B36-POLEBARN-S1	T	Solid	5035	
Prep Batch: 480-280904					
LCS 480-280904/1-A	Lab Control Sample	T	Solid	5035A	
MB 480-280904/3-A	Method Blank	T	Solid	5035A	
480-92744-11	B37-POLEBARN-S2	T	Solid	5035A	
480-92744-11DL	B37-POLEBARN-S2	T	Solid	5035A	
480-92744-14	B38-POLEBARN-S2	T	Solid	5035A	
480-92744-14DL	B38-POLEBARN-S2	T	Solid	5035A	
Analysis Batch:480-280912					
MB 480-280904/3-A	Method Blank	T	Solid	8260C	480-280904
Analysis Batch:480-280926					
LCS 480-280931/1-A	Lab Control Sample	T	Solid	8260C	480-280931
MB 480-280931/2-A	Method Blank	T	Solid	8260C	480-280931
480-92744-18	B36-POLEBARN-S2	T	Solid	8260C	480-280931
480-92744-19	B36-POLEBARN-S3	T	Solid	8260C	480-280931
Prep Batch: 480-280931					
LCS 480-280931/1-A	Lab Control Sample	T	Solid	5035	
MB 480-280931/2-A	Method Blank	T	Solid	5035	
480-92744-18	B36-POLEBARN-S2	T	Solid	5035	
480-92744-19	B36-POLEBARN-S3	T	Solid	5035	
Analysis Batch:480-281000					
480-92744-11	B37-POLEBARN-S2	T	Solid	8260C	480-280904
480-92744-11DL	B37-POLEBARN-S2	T	Solid	8260C	480-280904
480-92744-14	B38-POLEBARN-S2	T	Solid	8260C	480-280904
480-92744-14DL	B38-POLEBARN-S2	T	Solid	8260C	480-280904
Analysis Batch:480-281182					
LCS 480-280904/1-A	Lab Control Sample	T	Solid	8260C	480-280904

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:480-280346					
480-92744-1	B18-POLEBARN-S1	T	Solid	Moisture	
480-92744-2	B18-POLEBARN-S2	T	Solid	Moisture	
480-92744-3	B19-POLEBARN-S1	T	Solid	Moisture	
480-92744-4	B19-POLEBARN-S2	T	Solid	Moisture	
480-92744-4MS	Matrix Spike	T	Solid	Moisture	
480-92744-4MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-92744-5	B20-POLEBARN-S1	T	Solid	Moisture	
480-92744-6	B20-POLEBARN-S2	T	Solid	Moisture	
480-92744-7	B20-POLEBARN-S3	T	Solid	Moisture	
480-92744-8	B21-POLEBARN-S1	T	Solid	Moisture	
480-92744-9	B21-POLEBARN-S2	T	Solid	Moisture	
480-92744-10	B37-POLEBARN-S1	T	Solid	Moisture	
480-92744-11	B37-POLEBARN-S2	T	Solid	Moisture	
480-92744-12	B37-POLEBARN-S3	T	Solid	Moisture	
480-92744-13	B38-POLEBARN-S1	T	Solid	Moisture	
480-92744-14	B38-POLEBARN-S2	T	Solid	Moisture	
480-92744-15	B38-POLEBARN-S3	T	Solid	Moisture	
480-92744-16	B-POLEBARN-DUP4	T	Solid	Moisture	
Analysis Batch:480-280431					
480-92744-17	B36-POLEBARN-S1	T	Solid	Moisture	
480-92744-18	B36-POLEBARN-S2	T	Solid	Moisture	
480-92744-19	B36-POLEBARN-S3	T	Solid	Moisture	

Report Basis
T = Total

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Laboratory Chronicle

Lab ID: 480-92744-1 **Client ID: B18-POLEBARN-S1**

Sample Date/Time: 12/14/2015 12:00 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-1-A		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	480-92744-A-1-A		480-280267	480-280259	12/17/2015 14:40	1	TAL BUF	NMD1
A:Moisture	480-92744-A-1		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-2 **Client ID: B18-POLEBARN-S2**

Sample Date/Time: 12/14/2015 12:15 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-2-B		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-2-B		480-280424	480-280425	12/18/2015 02:52	1	TAL BUF	NMD1
A:Moisture	480-92744-A-2		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-3 **Client ID: B19-POLEBARN-S1**

Sample Date/Time: 12/14/2015 11:20 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-3-A		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	480-92744-A-3-A		480-280267	480-280259	12/17/2015 15:35	1	TAL BUF	NMD1
A:Moisture	480-92744-A-3		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-4 **Client ID: B19-POLEBARN-S2**

Sample Date/Time: 12/14/2015 11:30 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-4-D		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-4-D		480-280424	480-280425	12/18/2015 03:19	1	TAL BUF	NMD1
A:Moisture	480-92744-A-4		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-4 **Client ID: B19-POLEBARN-S2**

Sample Date/Time: 12/14/2015 11:30 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-4-B MS		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	480-92744-A-4-B MS		480-280267	480-280259	12/17/2015 21:58	1	TAL BUF	NMD1
A:Moisture	480-92744-A-4 MS		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Laboratory Chronicle

Lab ID: 480-92744-4 **Client ID: B19-POLEBARN-S2**

Sample Date/Time: 12/14/2015 11:30 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-4-C MSD		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	480-92744-A-4-C MSD		480-280267	480-280259	12/17/2015 22:25	1	TAL BUF	NMD1
A:Moisture	480-92744-A-4 MSD		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-5 **Client ID: B20-POLEBARN-S1**

Sample Date/Time: 12/14/2015 13:35 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-5-B		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-5-B		480-280424	480-280425	12/18/2015 03:46	1	TAL BUF	NMD1
A:Moisture	480-92744-A-5		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-6 **Client ID: B20-POLEBARN-S2**

Sample Date/Time: 12/14/2015 13:50 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-6-B		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-6-B		480-280424	480-280425	12/18/2015 04:13	1	TAL BUF	NMD1
A:Moisture	480-92744-A-6		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-7 **Client ID: B20-POLEBARN-S3**

Sample Date/Time: 12/14/2015 14:00 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-7-B		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-7-B		480-280424	480-280425	12/18/2015 04:40	1	TAL BUF	NMD1
A:Moisture	480-92744-A-7		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-8 **Client ID: B21-POLEBARN-S1**

Sample Date/Time: 12/14/2015 12:30 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-8-B		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-8-B		480-280424	480-280425	12/18/2015 05:08	1	TAL BUF	NMD1
A:Moisture	480-92744-A-8		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Laboratory Chronicle

Lab ID: 480-92744-9 **Client ID: B21-POLEBARN-S2**

Sample Date/Time: 12/14/2015 12:45 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-9-A		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	480-92744-A-9-A		480-280267	480-280259	12/17/2015 18:19	1	TAL BUF	NMD1
A:Moisture	480-92744-A-9		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-10 **Client ID: B37-POLEBARN-S1**

Sample Date/Time: 12/14/2015 16:05 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-10-B		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-10-B		480-280424	480-280425	12/18/2015 05:35	1	TAL BUF	NMD1
A:Moisture	480-92744-A-10		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-11 **Client ID: B37-POLEBARN-S2**

Sample Date/Time: 12/14/2015 15:40 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92744-A-11-C		480-281000	480-280904	12/21/2015 17:07	1	TAL BUF	SWO
A:8260C	480-92744-A-11-C		480-281000	480-280904	12/22/2015 14:27	1	TAL BUF	GTG
P:5035A	480-92744-A-11-C	DL	480-281000	480-280904	12/21/2015 17:07	4	TAL BUF	SWO
A:8260C	480-92744-A-11-C	DL	480-281000	480-280904	12/22/2015 18:39	4	TAL BUF	GTG
A:Moisture	480-92744-A-11		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-12 **Client ID: B37-POLEBARN-S3**

Sample Date/Time: 12/14/2015 15:55 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-12-A		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	480-92744-A-12-A		480-280267	480-280259	12/17/2015 19:41	1	TAL BUF	NMD1
A:Moisture	480-92744-A-12		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-13 **Client ID: B38-POLEBARN-S1**

Sample Date/Time: 12/14/2015 14:15 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-13-A		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	480-92744-A-13-A		480-280267	480-280259	12/17/2015 20:09	1	TAL BUF	NMD1
P:5035	480-92744-A-13-B	DL	480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-13-B	DL	480-280424	480-280425	12/18/2015 06:56	1	TAL BUF	NMD1
A:Moisture	480-92744-A-13		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Laboratory Chronicle

Lab ID: 480-92744-14 **Client ID: B38-POLEBARN-S2**

Sample Date/Time: 12/14/2015 14:40 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035A	480-92744-A-14-C		480-281000	480-280904	12/21/2015 17:07	1	TAL BUF	SWO
A:8260C	480-92744-A-14-C		480-281000	480-280904	12/22/2015 14:50	1	TAL BUF	GTG
P:5035A	480-92744-A-14-C	DL	480-281000	480-280904	12/21/2015 17:07	4	TAL BUF	SWO
A:8260C	480-92744-A-14-C	DL	480-281000	480-280904	12/22/2015 19:02	4	TAL BUF	GTG
A:Moisture	480-92744-A-14		480-280346		12/17/2015 14:01	1	TAL BUF	CDC

Lab ID: 480-92744-15 **Client ID: B38-POLEBARN-S3**

Sample Date/Time: 12/14/2015 15:10 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-15-A		480-280267	480-280259	12/17/2015 12:58	1	TAL BUF	CDC
A:8260C	480-92744-A-15-A		480-280267	480-280259	12/17/2015 21:03	1	TAL BUF	NMD1
A:Moisture	480-92744-A-15		480-280346		12/17/2015 14:03	1	TAL BUF	CDC

Lab ID: 480-92744-16 **Client ID: B-POLEBARN-DUP4**

Sample Date/Time: 12/14/2015 16:00 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-16-A		480-280267	480-280259	12/17/2015 12:58	1	TAL BUF	CDC
A:8260C	480-92744-A-16-A		480-280267	480-280259	12/17/2015 21:31	1	TAL BUF	NMD1
A:Moisture	480-92744-A-16		480-280346		12/17/2015 14:03	1	TAL BUF	CDC

Lab ID: 480-92744-17 **Client ID: B36-POLEBARN-S1**

Sample Date/Time: 12/15/2015 09:15 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-17-A		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	480-92744-A-17-A		480-280424	480-280425	12/18/2015 08:18	1	TAL BUF	NMD1
A:Moisture	480-92744-A-17		480-280431		12/18/2015 03:10	1	TAL BUF	NMD1

Lab ID: 480-92744-18 **Client ID: B36-POLEBARN-S2**

Sample Date/Time: 12/15/2015 10:05 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-18-C		480-280926	480-280931	12/21/2015 19:36	1	TAL BUF	NMD1
A:8260C	480-92744-A-18-C		480-280926	480-280931	12/22/2015 01:19	1	TAL BUF	CDC
A:Moisture	480-92744-A-18		480-280431		12/18/2015 03:10	1	TAL BUF	NMD1

Client: Stantec Consulting Services Inc Job Number: 480-92744-1

Laboratory Chronicle

Lab ID: 480-92744-19 **Client ID: B36-POLEBARN-S3**

Sample Date/Time: 12/15/2015 10:20 Received Date/Time: 12/16/2015 01:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-92744-A-19-C		480-280926	480-280931	12/21/2015 19:36	1	TAL BUF	NMD1
A:8260C	480-92744-A-19-C		480-280926	480-280931	12/22/2015 01:46	1	TAL BUF	CDC
A:Moisture	480-92744-A-19		480-280431		12/18/2015 03:10	1	TAL BUF	NMD1

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 480-280259/2-A		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	MB 480-280259/2-A		480-280267	480-280259	12/17/2015 13:02	1	TAL BUF	NMD1
P:5035	MB 480-280425/2-A		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	MB 480-280425/2-A		480-280424	480-280425	12/18/2015 01:43	1	TAL BUF	NMD1
P:5035	MB 480-280931/2-A		480-280926	480-280931	12/21/2015 19:36	1	TAL BUF	NMD1
A:8260C	MB 480-280931/2-A		480-280926	480-280931	12/22/2015 00:47	1	TAL BUF	CDC
P:5035A	MB 480-280904/3-A		480-280912	480-280904	12/21/2015 17:07	1	TAL BUF	SWO
A:8260C	MB 480-280904/3-A		480-280912	480-280904	12/22/2015 01:25	1	TAL BUF	GTG

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 480-280259/1-A		480-280267	480-280259	12/17/2015 09:26	1	TAL BUF	CDC
A:8260C	LCS 480-280259/1-A		480-280267	480-280259	12/17/2015 12:07	1	TAL BUF	NMD1
P:5035	LCS 480-280425/1-A		480-280424	480-280425	12/17/2015 22:53	1	TAL BUF	NMD1
A:8260C	LCS 480-280425/1-A		480-280424	480-280425	12/18/2015 00:48	1	TAL BUF	NMD1
P:5035	LCS 480-280931/1-A		480-280926	480-280931	12/21/2015 19:36	1	TAL BUF	NMD1
A:8260C	LCS 480-280931/1-A		480-280926	480-280931	12/21/2015 23:53	1	TAL BUF	CDC
P:5035A	LCS 480-280904/1-A		480-281182	480-280904	12/21/2015 17:07	1	TAL BUF	SWO
A:8260C	LCS 480-280904/1-A		480-281182	480-280904	12/22/2015 23:51	1	TAL BUF	GTG

Lab References:
TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-92744-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	State Program	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Kentucky (WW)	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP Primary AB	1	2973
TestAmerica Buffalo	New Hampshire	NELAP Secondary AB	1	2337
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-15-6
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B18-POLEBARN-S1	480-92744-1	108	101	93
B18-POLEBARN-S2	480-92744-2	133 X	113 *	26 X *
B19-POLEBARN-S1	480-92744-3	104	107	78
B19-POLEBARN-S2	480-92744-4	116	131 X *	32 * X
B20-POLEBARN-S1	480-92744-5	106	130 X	48 X
B20-POLEBARN-S2	480-92744-6	106	106	88
B20-POLEBARN-S3	480-92744-7	110	129 X *	47 X *
B21-POLEBARN-S1	480-92744-8	110	130 X *	43 X *
B21-POLEBARN-S2	480-92744-9	113	103	95
B37-POLEBARN-S1	480-92744-10	106	116	56 X
B37-POLEBARN-S3	480-92744-12	109	104	89
B38-POLEBARN-S1	480-92744-13	107	103	91
B38-POLEBARN-S1 DL	480-92744-13 DL	109	104	88
B38-POLEBARN-S3	480-92744-15	118	109 *	27 X *
B-POLEBARN-DUP4	480-92744-16	103	111	80
B36-POLEBARN-S1	480-92744-17	109	100	94
B36-POLEBARN-S2	480-92744-18	107	104	88
B36-POLEBARN-S3	480-92744-19	110	104	95
	MB 480-280259/2-A	106	100	98
	MB 480-280425/2-A	103	99	93
	MB 480-280931/2-A	105	100	96
	LCS 480-280259/1-A	101	100	97
	LCS 480-280425/1-A	104	102	96
	LCS 480-280931/1-A	105	101	96
B19-POLEBARN-S2 MS	480-92744-4 MS	96	144 X *	43 X *
B19-POLEBARN-S2 MSD	480-92744-4 MSD	98	149 X *	40 X *

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B37-POLEBARN-S2	480-92744-11	88	98	89
B37-POLEBARN-S2 DL	480-92744-11 DL	88	98	92
B38-POLEBARN-S2	480-92744-14	88	98	91
B38-POLEBARN-S2 DL	480-92744-14 DL	89	100	91
	MB 480-280904/3-A	96	101	93
	LCS 480-280904/1-A	93	99	105

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2447.D

Lab ID: LCS 480-280259/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.2	42.5	86	73-126	
1,1-Dichloroethene	49.2	40.6	83	59-125	
1,2-Dichlorobenzene	49.2	44.1	90	75-120	
1,2-Dichloroethane	49.2	42.7	87	77-122	
Benzene	49.2	43.6	89	79-127	
Chlorobenzene	49.2	44.2	90	76-124	
cis-1,2-Dichloroethene	49.2	43.4	88	81-117	
Ethylbenzene	49.2	44.1	90	80-120	
Methyl tert-butyl ether	49.2	44.4	90	63-125	
Tetrachloroethene	49.2	42.5	86	74-122	
Toluene	49.2	40.5	82	74-128	
trans-1,2-Dichloroethene	49.2	42.0	85	78-126	
Trichloroethene	49.2	41.5	84	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2473.D

Lab ID: LCS 480-280425/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	49.0	45.9	94	73-126	
1,1-Dichloroethene	49.0	46.0	94	59-125	
1,2-Dichlorobenzene	49.0	43.7	89	75-120	
1,2-Dichloroethane	49.0	43.1	88	77-122	
Benzene	49.0	46.7	95	79-127	
Chlorobenzene	49.0	45.2	92	76-124	
cis-1,2-Dichloroethene	49.0	45.7	93	81-117	
Ethylbenzene	49.0	46.8	96	80-120	
Methyl tert-butyl ether	49.0	44.4	91	63-125	
Tetrachloroethene	49.0	46.9	96	74-122	
Toluene	49.0	42.8	87	74-128	
trans-1,2-Dichloroethene	49.0	46.6	95	78-126	
Trichloroethene	49.0	46.2	94	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: C60020.D

Lab ID: LCS 480-280904/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2490	2060	83	78-121	
1,1-Dichloroethene	2490	2030	82	48-133	
1,2-Dichlorobenzene	2490	2260	91	78-125	
1,2-Dichloroethane	2490	1880	75	74-127	
Benzene	2490	2060	83	77-125	
Chlorobenzene	2490	2370	95	76-126	
cis-1,2-Dichloroethene	2490	2060	83	79-124	
Ethylbenzene	2490	2290	92	78-124	
Methyl tert-butyl ether	2490	1980	79	67-137	
Tetrachloroethene	2490	2610	105	73-133	
Toluene	2490	2390	96	75-124	
trans-1,2-Dichloroethene	2490	2100	84	74-129	
Trichloroethene	2490	2080	83	75-131	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2532.D

Lab ID: LCS 480-280931/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	48.4	45.0	93	73-126	
1,1-Dichloroethene	48.4	44.0	91	59-125	
1,2-Dichlorobenzene	48.4	42.5	88	75-120	
1,2-Dichloroethane	48.4	41.5	86	77-122	
Benzene	48.4	45.7	94	79-127	
Chlorobenzene	48.4	44.1	91	76-124	
cis-1,2-Dichloroethene	48.4	44.6	92	81-117	
Ethylbenzene	48.4	45.2	93	80-120	
Methyl tert-butyl ether	48.4	42.7	88	63-125	
Tetrachloroethene	48.4	45.2	93	74-122	
Toluene	48.4	41.7	86	74-128	
trans-1,2-Dichloroethene	48.4	45.3	94	78-126	
Trichloroethene	48.4	44.5	92	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2468.D

Lab ID: 480-92744-4 MS Client ID: B19-POLEBARN-S2 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	52.8	ND	47.2	90	73-126	
1,1-Dichloroethene	52.8	ND	44.6	85	59-125	
1,2-Dichlorobenzene	52.8	ND	21.5	41	75-120	F1 *
1,2-Dichloroethane	52.8	ND	36.6	69	77-122	F1
Benzene	52.8	ND	41.7	79	79-127	
Chlorobenzene	52.8	ND	28.1	53	76-124	F1 *
cis-1,2-Dichloroethene	52.8	ND	42.4	80	81-117	F1
Ethylbenzene	52.8	ND	20.8	39	80-120	F1 *
Methyl tert-butyl ether	52.8	ND	46.1	87	63-125	
Tetrachloroethene	52.8	ND	33.7	64	74-122	F1 *
Toluene	52.8	ND	42.2	80	74-128	*
trans-1,2-Dichloroethene	52.8	ND	40.7	77	78-126	F1
Trichloroethene	52.8	1.7 J	29.7	53	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P2469.D

Lab ID: 480-92744-4 MSD Client ID: B19-POLEBARN-S2 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	52.3	48.2	92	2	30	73-126	
1,1-Dichloroethene	52.3	45.3	87	1	30	59-125	
1,2-Dichlorobenzene	52.3	26.2	50	19	30	75-120	* F1
1,2-Dichloroethane	52.3	36.5	70	0	30	77-122	F1
Benzene	52.3	42.0	80	1	30	79-127	
Chlorobenzene	52.3	29.0	55	3	30	76-124	* F1
cis-1,2-Dichloroethene	52.3	43.4	83	2	30	81-117	
Ethylbenzene	52.3	22.3	43	7	30	80-120	* F1
Methyl tert-butyl ether	52.3	46.9	90	2	30	63-125	
Tetrachloroethene	52.3	36.3	69	7	30	74-122	* F1
Toluene	52.3	45.9	88	8	30	74-128	*
trans-1,2-Dichloroethene	52.3	40.7	78	0	30	78-126	
Trichloroethene	52.3	29.1	53	2	30	77-129	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: P2449.D Lab Sample ID: MB 480-280259/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/17/2015 13:02

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280259/1-A	P2447.D	12/17/2015 12:07
B18-POLEBARN-S1	480-92744-1	P2452.D	12/17/2015 14:40
B19-POLEBARN-S1	480-92744-3	P2454.D	12/17/2015 15:35
B21-POLEBARN-S2	480-92744-9	P2460.D	12/17/2015 18:19
B37-POLEBARN-S3	480-92744-12	P2463.D	12/17/2015 19:41
B38-POLEBARN-S1	480-92744-13	P2464.D	12/17/2015 20:09
B38-POLEBARN-S3	480-92744-15	P2466.D	12/17/2015 21:03
B-POLEBARN-DUP4	480-92744-16	P2467.D	12/17/2015 21:31
B19-POLEBARN-S2 MS	480-92744-4 MS	P2468.D	12/17/2015 21:58
B19-POLEBARN-S2 MSD	480-92744-4 MSD	P2469.D	12/17/2015 22:25

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: P2475.D Lab Sample ID: MB 480-280425/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/18/2015 01:43

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280425/1-A	P2473.D	12/18/2015 00:48
B18-POLEBARN-S2	480-92744-2	P2476.D	12/18/2015 02:52
B19-POLEBARN-S2	480-92744-4	P2477.D	12/18/2015 03:19
B20-POLEBARN-S1	480-92744-5	P2478.D	12/18/2015 03:46
B20-POLEBARN-S2	480-92744-6	P2479.D	12/18/2015 04:13
B20-POLEBARN-S3	480-92744-7	P2480.D	12/18/2015 04:40
B21-POLEBARN-S1	480-92744-8	P2481.D	12/18/2015 05:08
B37-POLEBARN-S1	480-92744-10	P2482.D	12/18/2015 05:35
B38-POLEBARN-S1 DL	480-92744-13 DL	P2485.D	12/18/2015 06:56
B36-POLEBARN-S1	480-92744-17	P2488.D	12/18/2015 08:18

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: S6427.D Lab Sample ID: MB 480-280904/3-A

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

Instrument ID: HP5973S Date Analyzed: 12/22/2015 01:25

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B37-POLEBARN-S2	480-92744-11	S6462.D	12/22/2015 14:27
B38-POLEBARN-S2	480-92744-14	S6463.D	12/22/2015 14:50
B37-POLEBARN-S2 DL	480-92744-11 DL	S6473.D	12/22/2015 18:39
B38-POLEBARN-S2 DL	480-92744-14 DL	S6474.D	12/22/2015 19:02
	LCS 480-280904/1-A	C60020.D	12/22/2015 23:51

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: P2534.D Lab Sample ID: MB 480-280931/2-A

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

Instrument ID: HP5973P Date Analyzed: 12/22/2015 00:47

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-280931/1-A	P2532.D	12/21/2015 23:53
B36-POLEBARN-S2	480-92744-18	P2535.D	12/22/2015 01:19
B36-POLEBARN-S3	480-92744-19	P2536.D	12/22/2015 01:46

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: C59579.D BFB Injection Date: 12/11/2015

Instrument ID: HP5973C BFB Injection Time: 13:23

Analysis Batch No.: 279331

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	54.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.6	(0.6) 1
174	50.0 - 120.00 % of mass 95	85.6	
175	5.0 - 9.0 % of mass 174	6.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	86.0	(100.4) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-279331/4	C59581.D	12/11/2015	14:15
	IC 480-279331/5	C59582.D	12/11/2015	14:41
	IC 480-279331/6	C59583.D	12/11/2015	15:07
	IC 480-279331/7	C59584.D	12/11/2015	15:58
	IC 480-279331/8	C59585.D	12/11/2015	16:23
	ICIS 480-279331/9	C59586.D	12/11/2015	16:49
	IC 480-279331/10	C59587.D	12/11/2015	17:15
	IC 480-279331/11	C59588.D	12/11/2015	17:40

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: C60017.D BFB Injection Date: 12/22/2015

Instrument ID: HP5973C BFB Injection Time: 22:33

Analysis Batch No.: 281182

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.5	
75	30.0 - 60.0 % of mass 95	54.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.3	(0.3) 1
174	50.0 - 120.00 % of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	5.6	(6.8) 1
176	95.0 - 101.0 % of mass 174	81.0	(98.4) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-281182/2	C60018.D	12/22/2015	23:00
	CCV 480-281182/3	C60019.D	12/22/2015	23:26
	LCS 480-280904/1-A	C60020.D	12/22/2015	23:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: P1875.D BFB Injection Date: 12/02/2015

Instrument ID: HP5973P BFB Injection Time: 00:49

Analysis Batch No.: 277678

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.9	
75	30.0 - 60.0 % of mass 95	51.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.0	
175	5.0 - 9.0 % of mass 174	6.2	(7.6) 1
176	95.0 - 101.0 % of mass 174	79.8	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.9) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-277678/3	P1877.D	12/02/2015	01:45
	IC 480-277678/4	P1878.D	12/02/2015	02:13
	IC 480-277678/5	P1879.D	12/02/2015	02:40
	IC 480-277678/6	P1880.D	12/02/2015	03:07
	ICIS 480-277678/7	P1881.D	12/02/2015	03:34
	IC 480-277678/8	P1882.D	12/02/2015	04:01
	IC 480-277678/9	P1883.D	12/02/2015	04:29

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: P2444.D BFB Injection Date: 12/17/2015

Instrument ID: HP5973P BFB Injection Time: 10:26

Analysis Batch No.: 280267

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.6	
75	30.0 - 60.0 % of mass 95	50.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.6	
175	5.0 - 9.0 % of mass 174	6.1	(7.3) 1
176	95.0 - 101.0 % of mass 174	82.2	(99.5) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.1) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280267/3	P2445.D	12/17/2015	10:54
	LCS 480-280259/1-A	P2447.D	12/17/2015	12:07
	MB 480-280259/2-A	P2449.D	12/17/2015	13:02
B18-POLEBARN-S1	480-92744-1	P2452.D	12/17/2015	14:40
B19-POLEBARN-S1	480-92744-3	P2454.D	12/17/2015	15:35
B21-POLEBARN-S2	480-92744-9	P2460.D	12/17/2015	18:19
B37-POLEBARN-S3	480-92744-12	P2463.D	12/17/2015	19:41
B38-POLEBARN-S1	480-92744-13	P2464.D	12/17/2015	20:09
B38-POLEBARN-S3	480-92744-15	P2466.D	12/17/2015	21:03
B-POLEBARN-DUP4	480-92744-16	P2467.D	12/17/2015	21:31
B19-POLEBARN-S2 MS	480-92744-4 MS	P2468.D	12/17/2015	21:58
B19-POLEBARN-S2 MSD	480-92744-4 MSD	P2469.D	12/17/2015	22:25

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: P2470.D BFB Injection Date: 12/17/2015

Instrument ID: HP5973P BFB Injection Time: 23:11

Analysis Batch No.: 280424

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.6	
175	5.0 - 9.0 % of mass 174	6.4	(8.0) 1
176	95.0 - 101.0 % of mass 174	78.4	(97.2) 1
177	5.0 - 9.0 % of mass 176	5.6	(7.1) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280424/2	P2471.D	12/17/2015	23:38
	LCS 480-280425/1-A	P2473.D	12/18/2015	00:48
	MB 480-280425/2-A	P2475.D	12/18/2015	01:43
B18-POLEBARN-S2	480-92744-2	P2476.D	12/18/2015	02:52
B19-POLEBARN-S2	480-92744-4	P2477.D	12/18/2015	03:19
B20-POLEBARN-S1	480-92744-5	P2478.D	12/18/2015	03:46
B20-POLEBARN-S2	480-92744-6	P2479.D	12/18/2015	04:13
B20-POLEBARN-S3	480-92744-7	P2480.D	12/18/2015	04:40
B21-POLEBARN-S1	480-92744-8	P2481.D	12/18/2015	05:08
B37-POLEBARN-S1	480-92744-10	P2482.D	12/18/2015	05:35
B38-POLEBARN-S1 DL	480-92744-13 DL	P2485.D	12/18/2015	06:56
B36-POLEBARN-S1	480-92744-17	P2488.D	12/18/2015	08:18

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: P2529.D BFB Injection Date: 12/21/2015

Instrument ID: HP5973P BFB Injection Time: 22:22

Analysis Batch No.: 280926

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.7	
75	30.0 - 60.0 % of mass 95	50.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	81.7	
175	5.0 - 9.0 % of mass 174	5.6	(6.9) 1
176	95.0 - 101.0 % of mass 174	79.5	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.2) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280926/4	P2530.D	12/21/2015	22:51
	LCS 480-280931/1-A	P2532.D	12/21/2015	23:53
	MB 480-280931/2-A	P2534.D	12/22/2015	00:47
B36-POLEBARN-S2	480-92744-18	P2535.D	12/22/2015	01:19
B36-POLEBARN-S3	480-92744-19	P2536.D	12/22/2015	01:46

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: S5792.D BFB Injection Date: 12/07/2015

Instrument ID: HP5973S BFB Injection Time: 13:03

Analysis Batch No.: 278464

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.6	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.4	
175	5.0 - 9.0 % of mass 174	5.8	(6.4) 1
176	95.0 - 101.0 % of mass 174	86.0	(95.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-278464/5	S5794.D	12/07/2015	13:52
	IC 480-278464/7	S5796.D	12/07/2015	14:38
	IC 480-278464/8	S5797.D	12/07/2015	15:01
	ICIS 480-278464/9	S5798.D	12/07/2015	15:24
	IC 480-278464/10	S5799.D	12/07/2015	15:47
	IC 480-278464/11	S5800.D	12/07/2015	16:09
	IC 480-278464/13	S5802.D	12/07/2015	16:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: S6420.D BFB Injection Date: 12/21/2015

Instrument ID: HP5973S BFB Injection Time: 21:02

Analysis Batch No.: 280912

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	31.0	
75	30.0 - 60.0 % of mass 95	55.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	78.9	
175	5.0 - 9.0 % of mass 174	6.7	(8.5) 1
176	95.0 - 101.0 % of mass 174	76.8	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.9	(7.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-280912/3	S6421.D	12/21/2015	21:31
	MB 480-280904/3-A	S6427.D	12/22/2015	01:25

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab File ID: S6452.D BFB Injection Date: 12/22/2015

Instrument ID: HP5973S BFB Injection Time: 10:30

Analysis Batch No.: 281000

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.7	
75	30.0 - 60.0 % of mass 95	52.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	78.5	
175	5.0 - 9.0 % of mass 174	6.5	(8.3) 1
176	95.0 - 101.0 % of mass 174	76.6	(97.6) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-281000/3	S6453.D	12/22/2015	10:55
B37-POLEBARN-S2	480-92744-11	S6462.D	12/22/2015	14:27
B38-POLEBARN-S2	480-92744-14	S6463.D	12/22/2015	14:50
B37-POLEBARN-S2 DL	480-92744-11 DL	S6473.D	12/22/2015	18:39
B38-POLEBARN-S2 DL	480-92744-14 DL	S6474.D	12/22/2015	19:02

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: ICIS 480-279331/9 Date Analyzed: 12/11/2015 16:49

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C59586.D Heated Purge: (Y/N) N

Calibration ID: 25794

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		123769	9.37	261294	11.78	255093	13.78
UPPER LIMIT		247538	9.87	522588	12.28	510186	14.28
LOWER LIMIT		61885	8.87	130647	11.28	127547	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-281182/2		123480	9.37	270463	11.78	271447	13.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: CCVIS 480-281182/2 Date Analyzed: 12/22/2015 23:00

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C60018.D Heated Purge: (Y/N) N

Calibration ID: 25797

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		123480	9.37	270463	11.78	271447	13.78
UPPER LIMIT		246960	9.87	540926	12.28	542894	14.28
LOWER LIMIT		61740	8.87	135232	11.28	135724	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-281182/3		142133	9.37	267346	11.78	272130	13.78
LCS 480-280904/1-A		141061	9.37	263796	11.78	269732	13.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: ICIS 480-277678/7 Date Analyzed: 12/02/2015 03:34

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P1881.D Heated Purge: (Y/N) Y

Calibration ID: 25715

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		450081	9.90	946915	13.84	877240	16.83
UPPER LIMIT		900162	10.40	1893830	14.34	1754480	17.33
LOWER LIMIT		225041	9.40	473458	13.34	438620	16.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-280267/3		357829	9.90	731860	13.84	694036	16.82
CCVIS 480-280424/2		339903	9.89	697435	13.84	641038	16.82
CCVIS 480-280926/4		366146	9.89	749949	13.84	708578	16.82

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: CCVIS 480-280267/3 Date Analyzed: 12/17/2015 10:54

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2445.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		357829	9.90	731860	13.84	694036	16.82
UPPER LIMIT		715658	10.40	1463720	14.34	1388072	17.32
LOWER LIMIT		178915	9.40	365930	13.34	347018	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-280259/1-A		403392	9.90	822794	13.84	770505	16.83
MB 480-280259/2-A		378290	9.90	777455	13.84	768925	16.83
480-92744-1	B18-POLEBARN-S1	355579	9.90	714617	13.84	643485	16.82
480-92744-3	B19-POLEBARN-S1	324672	9.90	585997	13.84	388599	16.83
480-92744-9	B21-POLEBARN-S2	322055	9.90	647382	13.84	573058	16.83
480-92744-12	B37-POLEBARN-S3	276800	9.90	517909	13.84	438507	16.83
480-92744-13	B38-POLEBARN-S1	302268	9.90	591727	13.84	538942	16.83
480-92744-15	B38-POLEBARN-S3	213770	9.90	185905*	13.84	82023*	16.83
480-92744-16	B-POLEBARN-DUP4	282486	9.90	475117	13.84	353850	16.83
480-92744-4 MS	B19-POLEBARN-S2 MS	288005	9.90	303268*	13.84	78127*	16.83
480-92744-4 MSD	B19-POLEBARN-S2 MSD	283067	9.90	270608*	13.84	60438*	16.83

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: CCVIS 480-280424/2 Date Analyzed: 12/17/2015 23:38

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2471.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		339903	9.89	697435	13.84	641038	16.82
UPPER LIMIT		679806	10.39	1394870	14.34	1282076	17.32
LOWER LIMIT		169952	9.39	348718	13.34	320519	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-280425/1-A		363550	9.89	748246	13.84	694351	16.82
MB 480-280425/2-A		375490	9.90	769306	13.84	738546	16.83
480-92744-2	B18-POLEBARN-S2	181936	9.89	135449*	13.84	50099*	16.82
480-92744-4	B19-POLEBARN-S2	238388	9.90	199772*	13.84	67237*	16.83
480-92744-5	B20-POLEBARN-S1	295877	9.91	355390	13.84	115742*	16.83
480-92744-6	B20-POLEBARN-S2	331962	9.90	633270	13.84	488512	16.83
480-92744-7	B20-POLEBARN-S3	270357	9.91	332647*	13.84	112021*	16.83
480-92744-8	B21-POLEBARN-S1	272956	9.91	316778*	13.84	95538*	16.83
480-92744-10	B37-POLEBARN-S1	283176	9.90	427634	13.84	178390*	16.82
480-92744-13 DL	B38-POLEBARN-S1 DL	303308	9.90	605549	13.84	484833	16.83
480-92744-17	B36-POLEBARN-S1	320718	9.90	658679	13.84	630843	16.82

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: CCVIS 480-280926/4 Date Analyzed: 12/21/2015 22:51

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): P2530.D Heated Purge: (Y/N) Y

Calibration ID: 25718

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		366146	9.89	749949	13.84	708578	16.82
UPPER LIMIT		732292	10.39	1499898	14.34	1417156	17.32
LOWER LIMIT		183073	9.39	374975	13.34	354289	16.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-280931/1-A		385295	9.89	791358	13.84	734504	16.82
MB 480-280931/2-A		374194	9.90	769264	13.84	755424	16.82
480-92744-18	B36-POLEBARN-S2	356378	9.90	707882	13.84	538274	16.82
480-92744-19	B36-POLEBARN-S3	337952	9.90	665558	13.84	621554	16.82

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: ICIS 480-278464/9 Date Analyzed: 12/07/2015 15:24

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S5798.D Heated Purge: (Y/N) N

Calibration ID: 25734

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		141293	5.40	315294	8.40	325064	10.78
UPPER LIMIT		282586	5.90	630588	8.90	650128	11.28
LOWER LIMIT		70647	4.90	157647	7.90	162532	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-280912/3		102866	5.40	207957	8.39	195428	10.78
CCVIS 480-281000/3		120897	5.40	239453	8.39	225285	10.78

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: CCVIS 480-280912/3 Date Analyzed: 12/21/2015 21:31

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6421.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		102866	5.40	207957	8.39	195428	10.78
UPPER LIMIT		205732	5.90	415914	8.89	390856	11.28
LOWER LIMIT		51433	4.90	103979	7.89	97714	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-280904/3-A		105467	5.40	209278	8.39	197763	10.78

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT
DCB = 1,4-Dichlorobenzene-d4

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Sample No.: CCVIS 480-281000/3 Date Analyzed: 12/22/2015 10:55

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S6453.D Heated Purge: (Y/N) N

Calibration ID: 25740

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		120897	5.40	239453	8.39	225285	10.78
UPPER LIMIT		241794	5.90	478906	8.89	450570	11.28
LOWER LIMIT		60449	4.90	119727	7.89	112643	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-92744-11	B37-POLEBARN-S2	118296	5.40	234349	8.39	213949	10.78
480-92744-14	B38-POLEBARN-S2	120681	5.40	240066	8.39	222516	10.78
480-92744-11 DL	B37-POLEBARN-S2 DL	123501	5.40	242960	8.39	225724	10.78
480-92744-14 DL	B38-POLEBARN-S2 DL	120928	5.40	235958	8.39	220535	10.78

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B18-POLEBARN-S1 | Lab Sample ID: 480-92744-1

Matrix: Solid | Lab File ID: P2452.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:00

Sample wt/vol: 5.16(g) | Date Analyzed: 12/17/2015 14:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.2	0.68
75-34-3	1,1-Dichloroethane	ND		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND		5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.2	2.6
106-93-4	1,2-Dibromoethane	ND		5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND		5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND		5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.51
108-90-7	Chlorobenzene	ND		5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND		5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND		5.2	0.36
98-82-8	Isopropylbenzene	ND		5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B18-POLEBARN-S1 | Lab Sample ID: 480-92744-1

Matrix: Solid | Lab File ID: P2452.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:00

Sample wt/vol: 5.16(g) | Date Analyzed: 12/17/2015 14:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.80
75-09-2	Methylene Chloride	ND		5.2	2.4
100-42-5	Styrene	ND		5.2	0.26
127-18-4	Tetrachloroethene	ND		5.2	0.70
108-88-3	Toluene	ND		5.2	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.3
79-01-6	Trichloroethene	9.9		5.2	1.2
75-69-4	Trichlorofluoromethane	ND		5.2	0.50
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2452.D
Lims ID: 480-92744-A-1-A Lab Sample ID: 480-92744-1
Client ID: B18-POLEBARN-S1
Sample Type: Client
Inject. Date: 17-Dec-2015 14:40:30 ALS Bottle#: 3 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-1-A
Misc. Info.: 480-0049333-010
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 18:48:24 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 17-Dec-2015 18:49:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	355579	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	714617	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.823	0.001	97	643485	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	296605	54.0	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	94	1586329	50.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	508731	46.7	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.311				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	69	5032	1.23	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.779				ND	
31 Methylene Chloride	84		6.986				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.525				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.351	10.351	0.000	94	100767	9.49	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.516				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.004				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

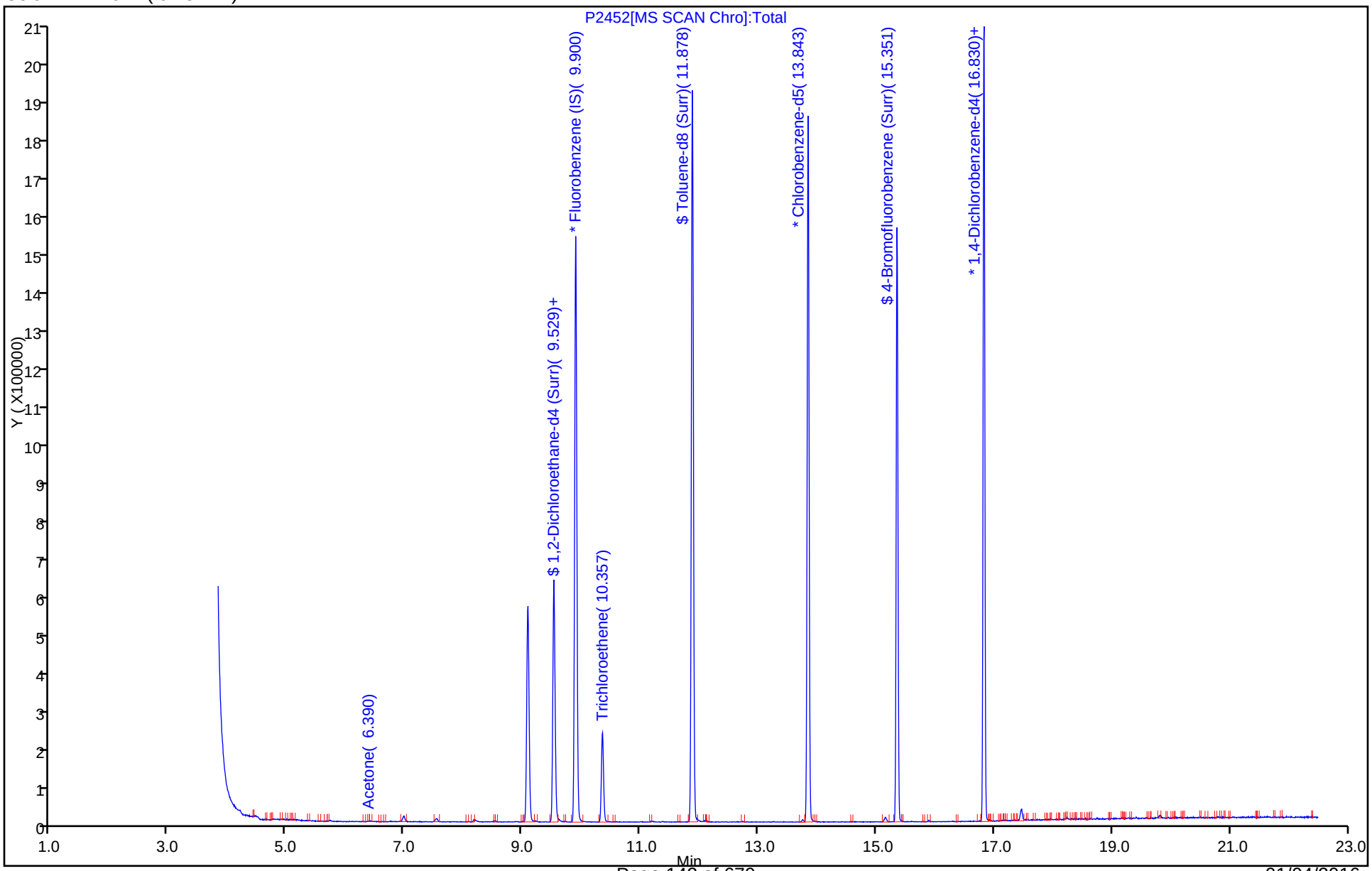
Report Date: 17-Dec-2015 18:49:17 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2452.D

Injection Date:	17-Dec-2015 14:40:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-1-A	Lab Sample ID:	480-92744-1	Worklist Smp#:	10
Client ID:	B18-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



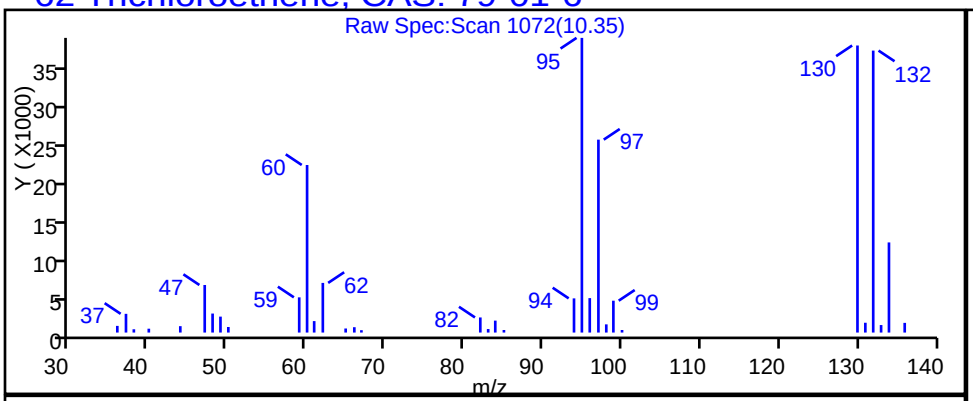
Report Date: 17-Dec-2015 18:49:17 Chrom Revision: 2.2 02-Dec-2015 11:51:48

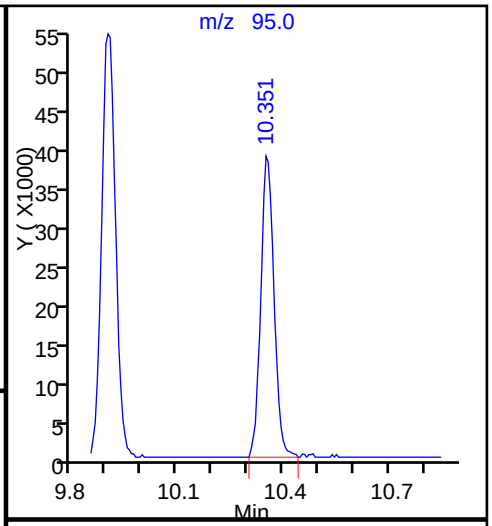
TestAmerica Buffalo

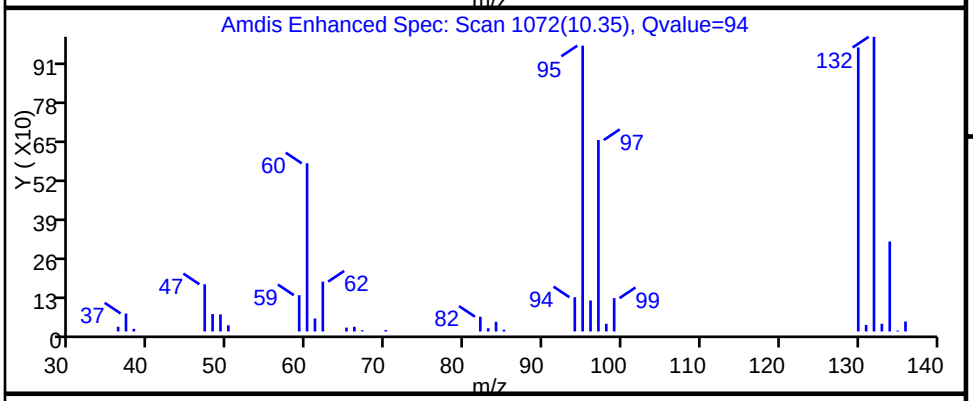
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2452.D

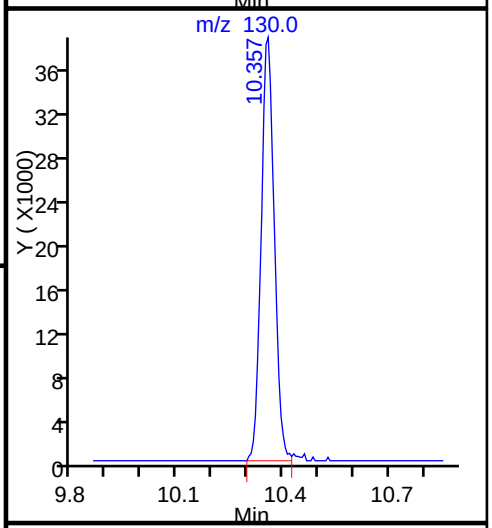
Injection Date:	17-Dec-2015 14:40:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-1-A	Lab Sample ID:	480-92744-1		
Client ID:	B18-POLEBARN-S1				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

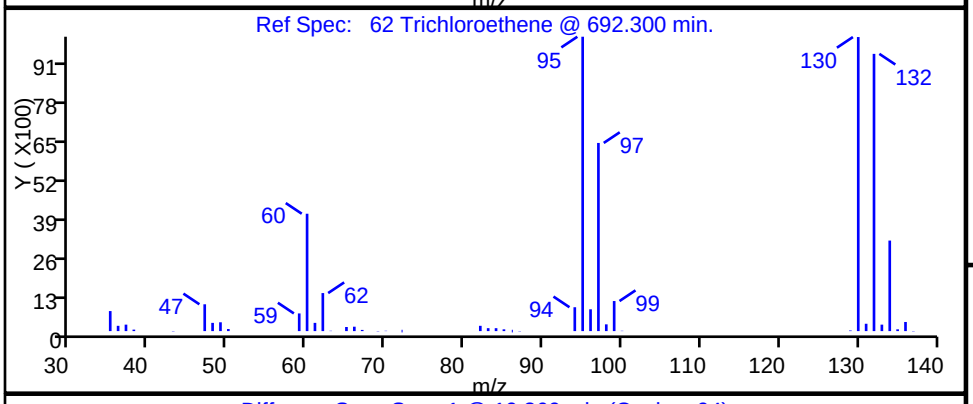
62 Trichloroethene, CAS: 79-01-6

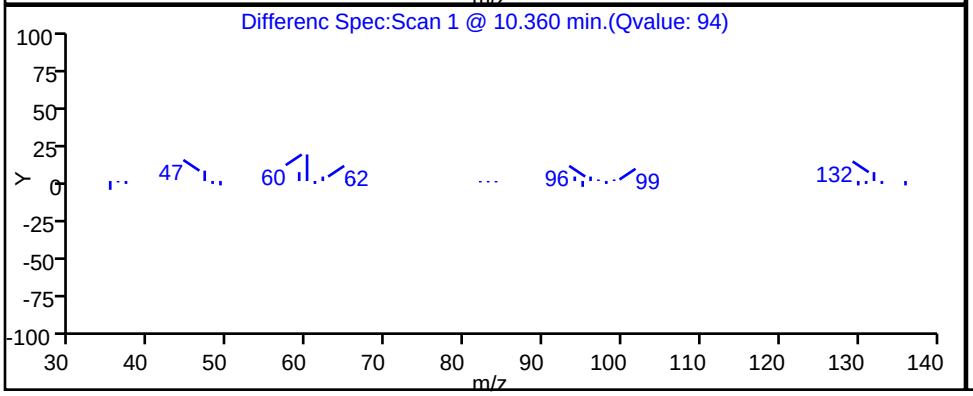


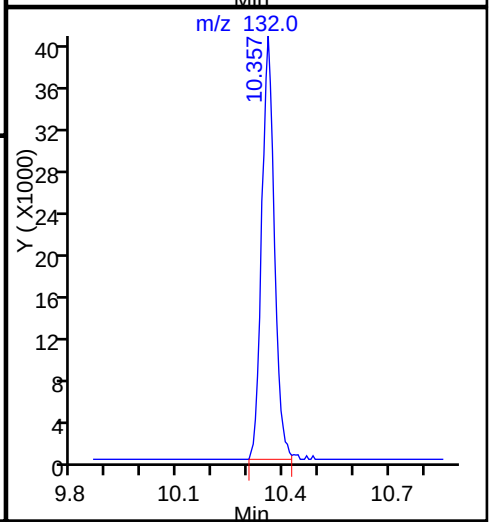












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B18-POLEBARN-S2 | Lab Sample ID: 480-92744-2

Matrix: Solid | Lab File ID: P2476.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:15

Sample wt/vol: 5.3(g) | Date Analyzed: 12/18/2015 02:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 13.6 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.5	0.71
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.5	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	11	J B	27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.73
75-25-2	Bromoform	ND	*	5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND	*	5.5	0.72
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.76
124-48-1	Dibromochloromethane	ND	*	5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND	*	5.5	0.38
98-82-8	Isopropylbenzene	ND	*	5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B18-POLEBARN-S2 | Lab Sample ID: 480-92744-2

Matrix: Solid | Lab File ID: P2476.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:15

Sample wt/vol: 5.3(g) | Date Analyzed: 12/18/2015 02:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 13.6 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND	*	5.5	0.27
127-18-4	Tetrachloroethene	ND	*	5.5	0.73
108-88-3	Toluene	0.59	J *	5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	133	X	64-126
460-00-4	4-Bromofluorobenzene (Surr)	26	X *	72-126
2037-26-5	Toluene-d8 (Surr)	113	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2476.D
Lims ID: 480-92744-A-2-B Lab Sample ID: 480-92744-2
Client ID: B18-POLEBARN-S2
Sample Type: Client
Inject. Date: 18-Dec-2015 02:52:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-2-B
Misc. Info.: 480-0049361-007
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:44:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:44:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.900	-0.006	98	181936	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	135449	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	50099	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.529	-0.006	0	187019	66.5	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	334332	56.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	89	26840	13.0	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43	6.402	6.384	0.018	99	21015	10.1	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.761	6.761	-0.006	26	10544	0.5607	M
31 Methylene Chloride	84		6.980				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63		7.820				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.519	0.007	82	1319	0.2375	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.351	10.351	0.000	96	3900	0.7179	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	86	2601	0.5407	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	73	1213	0.6567	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

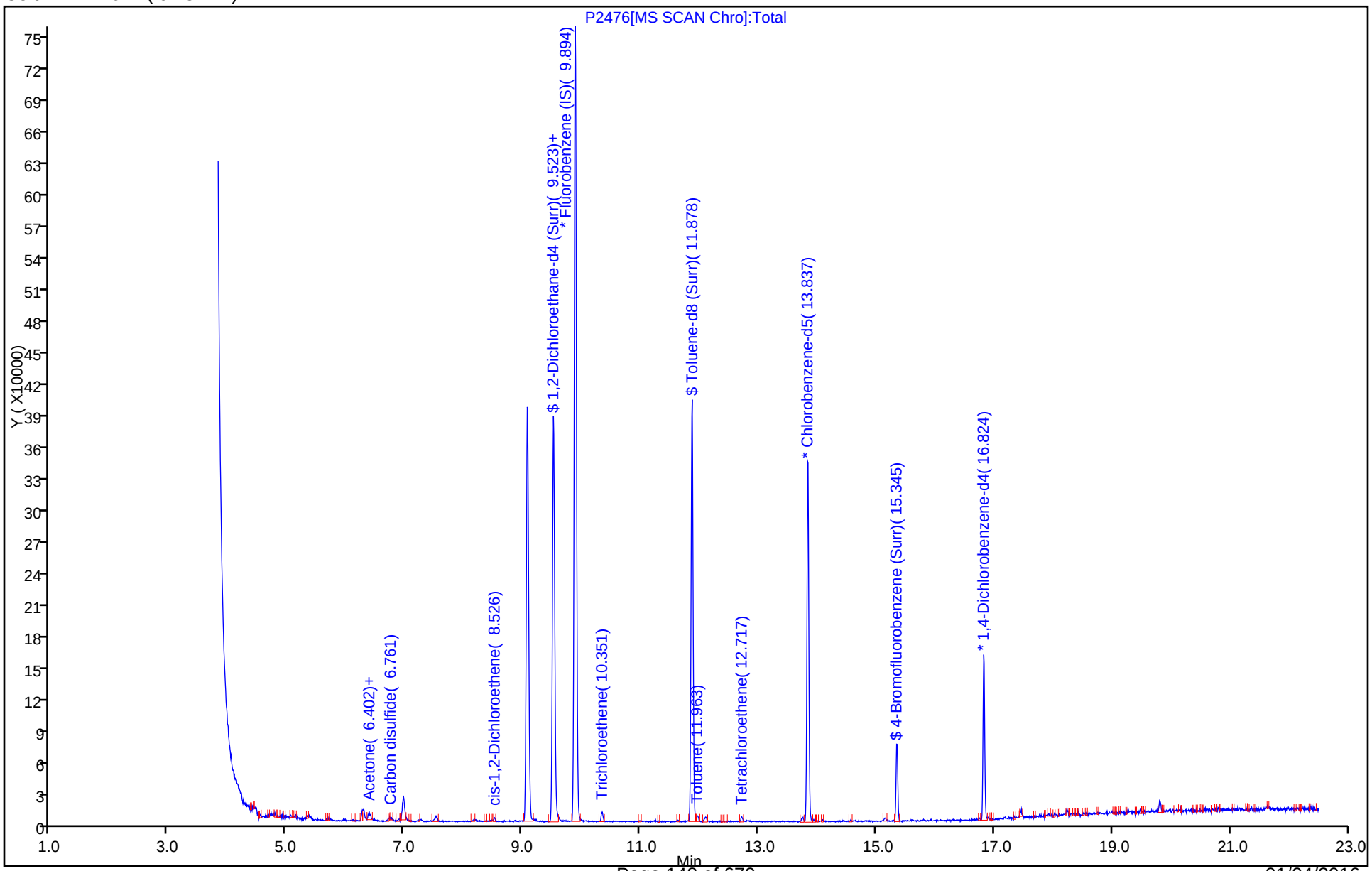
Report Date: 19-Dec-2015 00:44:40 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2476.D

Injection Date:	18-Dec-2015 02:52:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-2-B	Lab Sample ID:	480-92744-2	Worklist Smp#:	7
Client ID:	B18-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



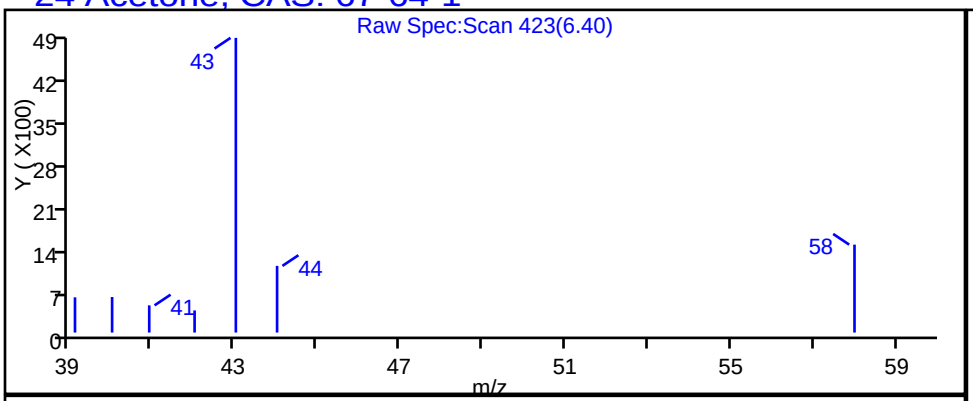
Report Date: 19-Dec-2015 00:44:40 Chrom Revision: 2.2 02-Dec-2015 11:51:48

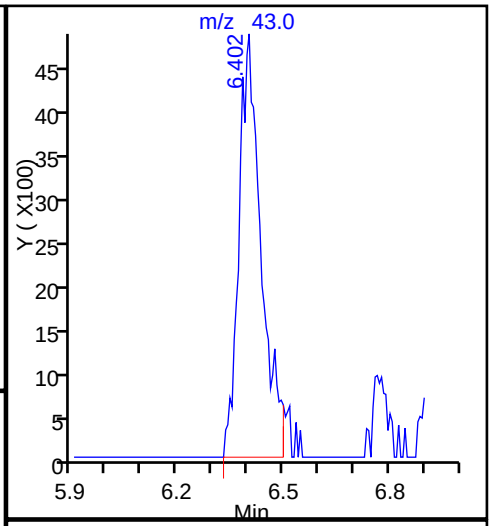
TestAmerica Buffalo

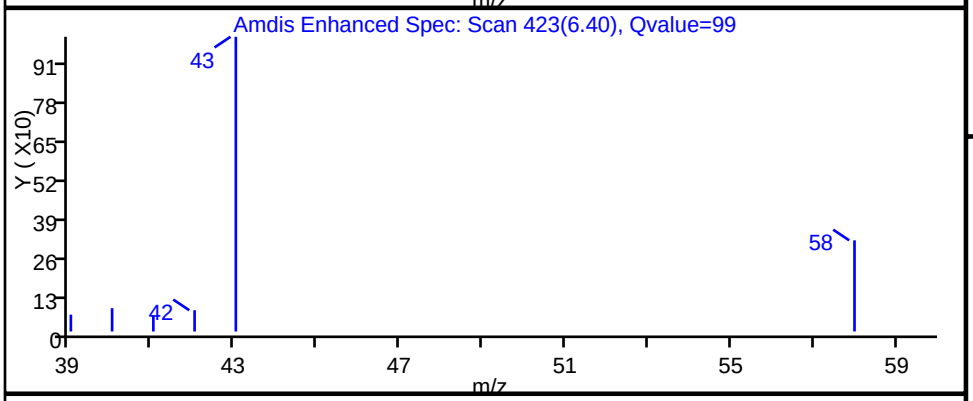
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2476.D

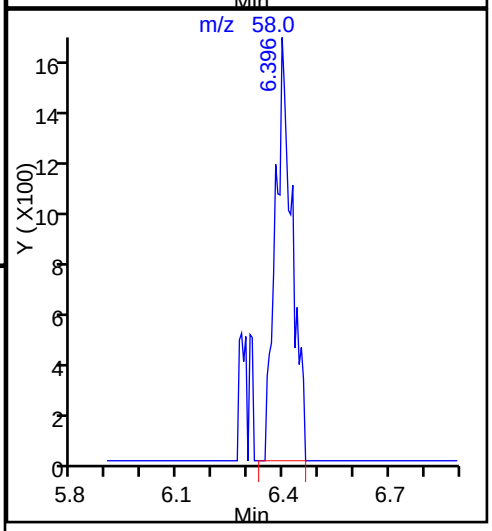
Injection Date:	18-Dec-2015 02:52:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-2-B	Lab Sample ID:	480-92744-2		
Client ID:	B18-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

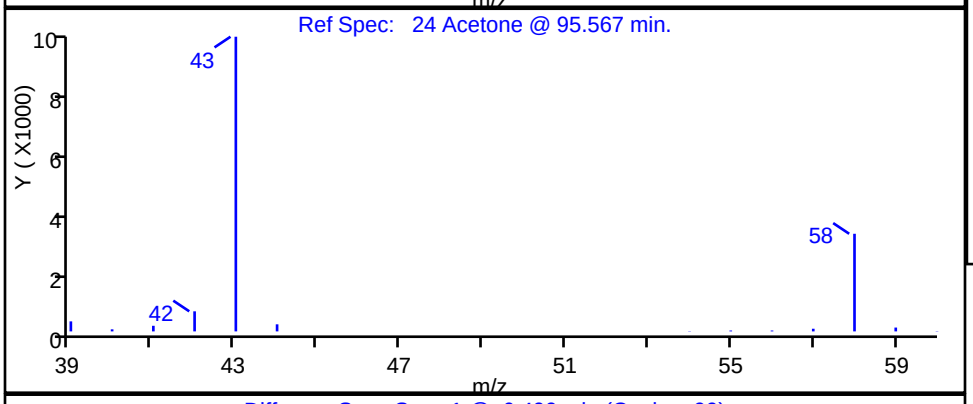
24 Acetone, CAS: 67-64-1

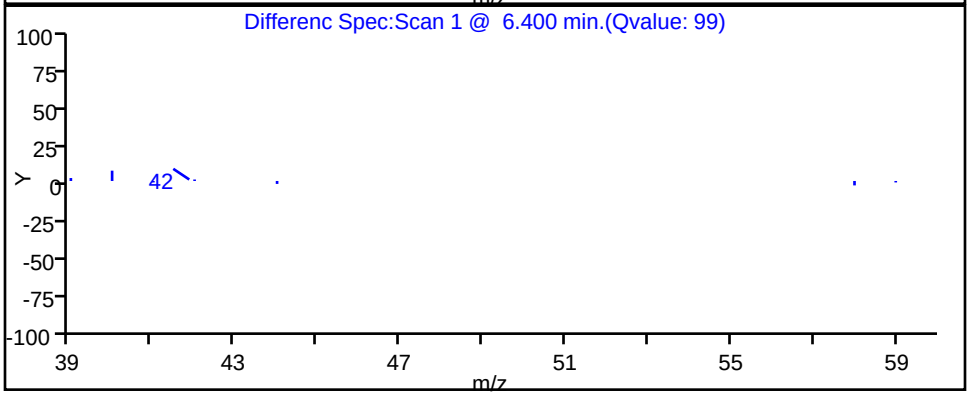










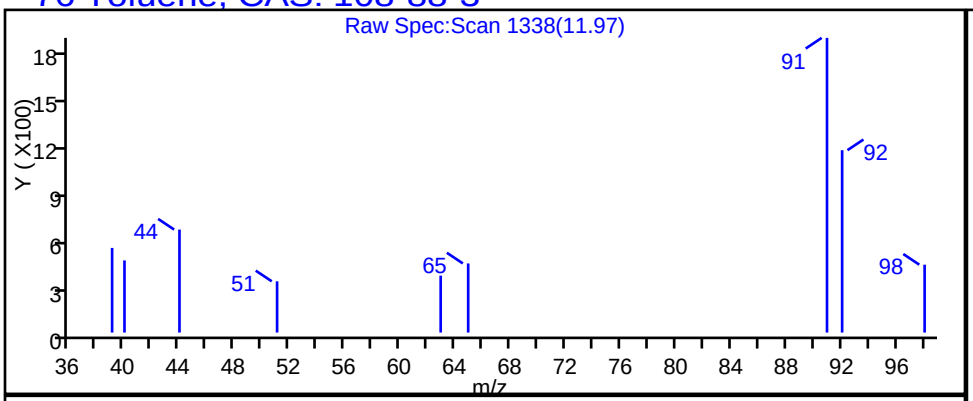


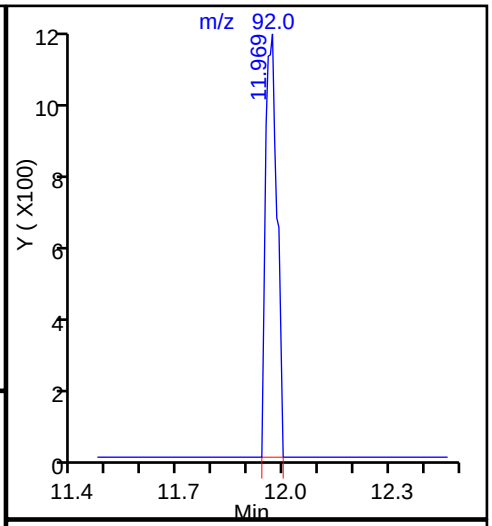
TestAmerica Buffalo

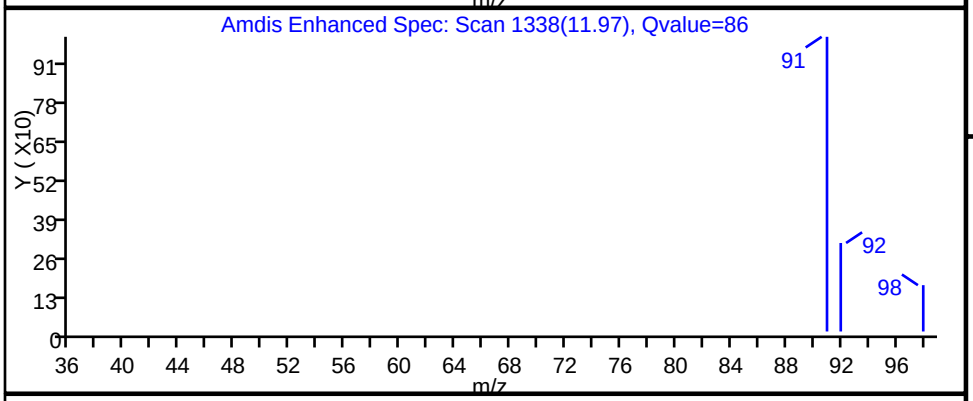
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2476.D

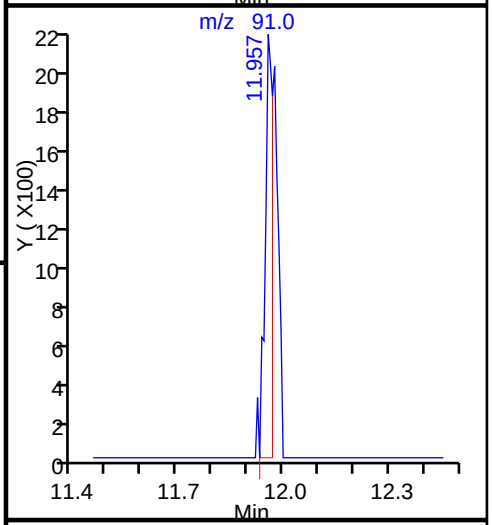
Injection Date:	18-Dec-2015 02:52:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-2-B	Lab Sample ID:	480-92744-2
Client ID:	B18-POLEBARN-S2		
Operator ID:	NMD	ALS Bottle#:	7 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

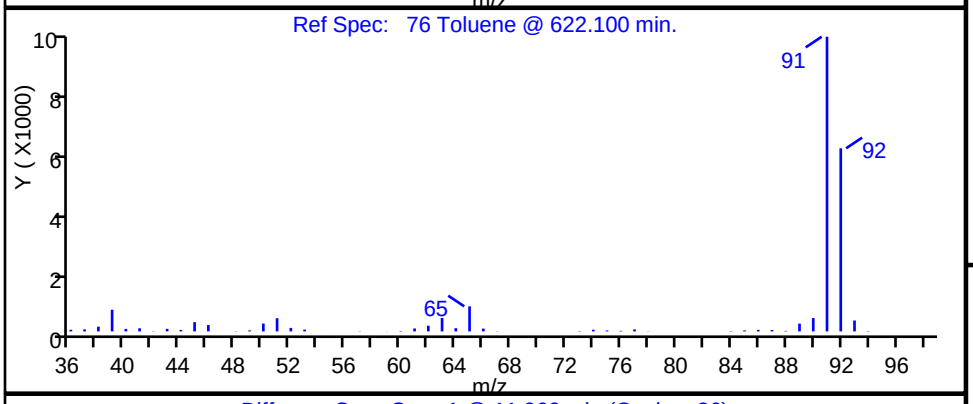
76 Toluene, CAS: 108-88-3

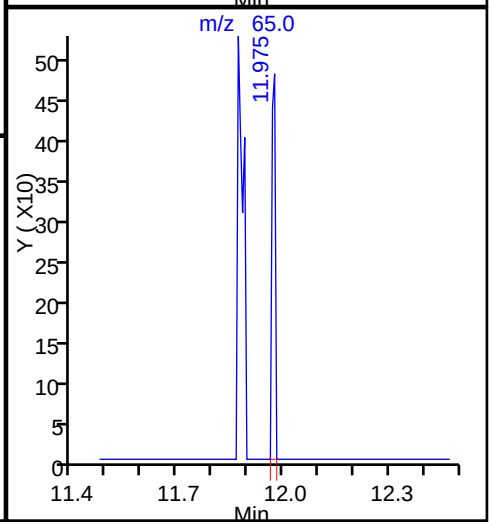


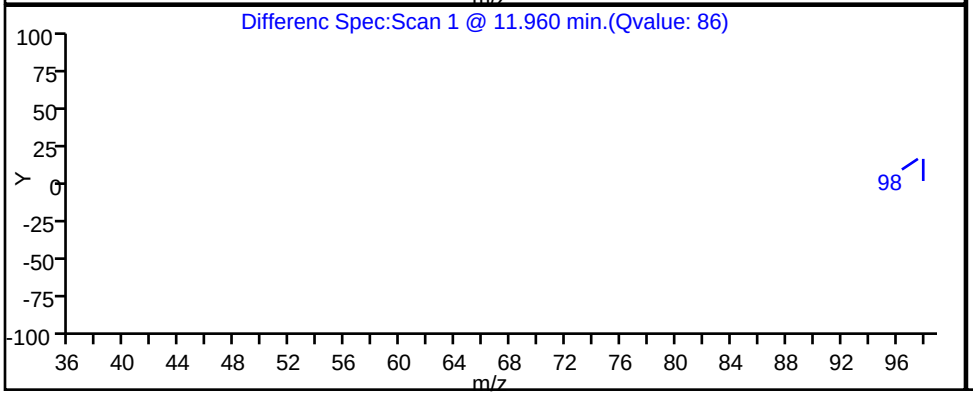












Manual Integration/User Assign Peak Report

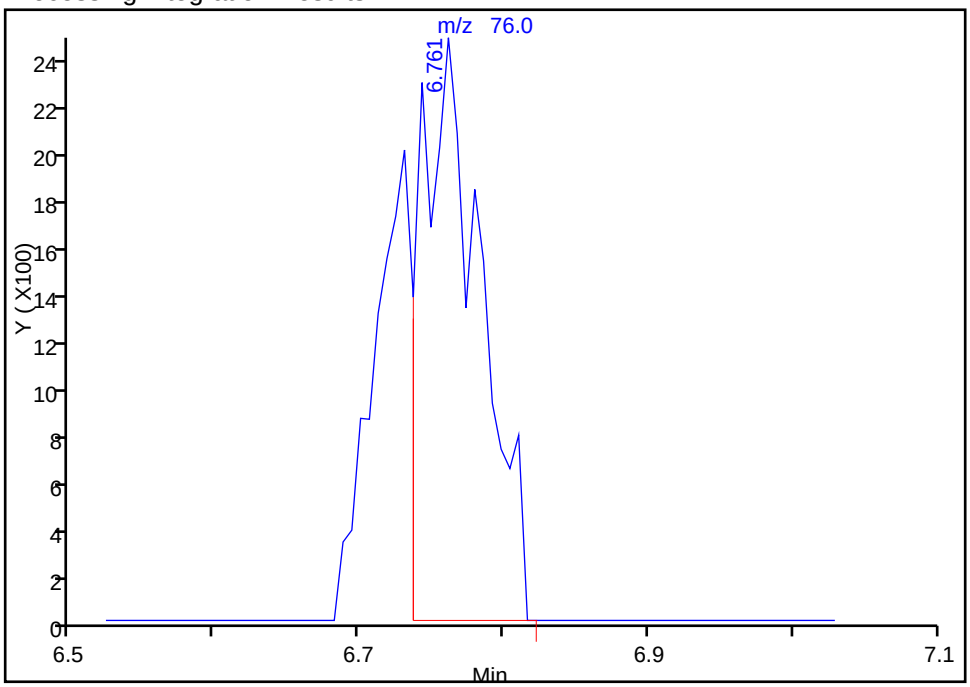
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2476.D				
Injection Date:	18-Dec-2015 02:52:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-2-B	Lab Sample ID:	480-92744-2		
Client ID:	B18-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

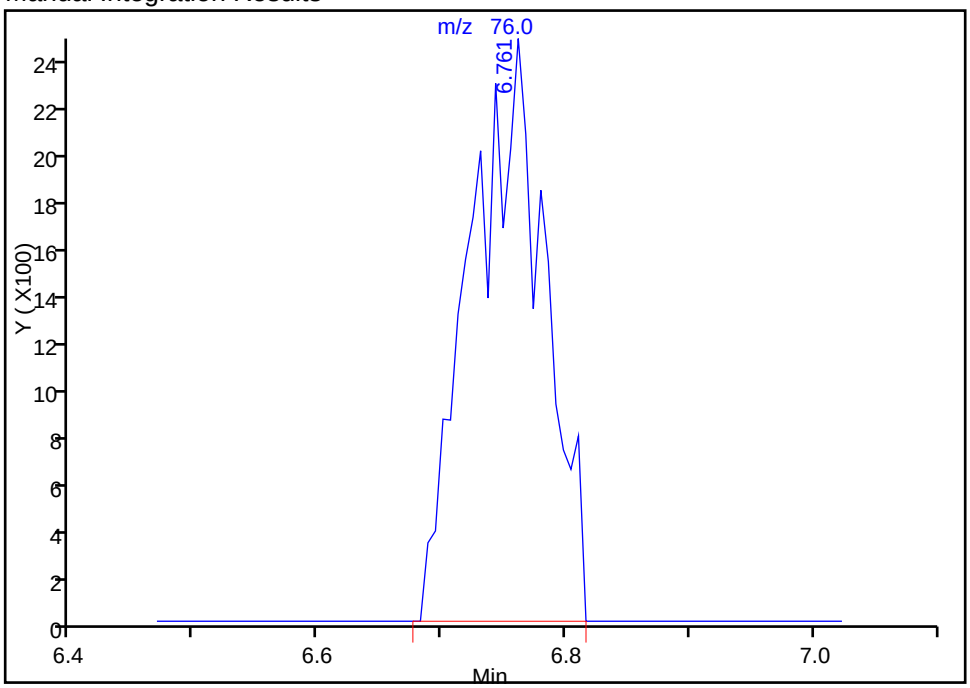
Processing Integration Results

RT: 6.76
Area: 7235
Amount: 0.384742
Amount Units: ug/L



Manual Integration Results

RT: 6.76
Area: 10544
Amount: 0.560707
Amount Units: ug/L



Reviewer: diasn, 19-Dec-2015 00:44:40
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S1 | Lab Sample ID: 480-92744-3

Matrix: Solid | Lab File ID: P2454.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:20

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.7 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.72
75-34-3	1,1-Dichloroethane	0.82	J	5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.8
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	ND		28	2.0
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	5.7	J B	28	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.8
74-83-9	Bromomethane	ND		5.5	0.50
75-15-0	Carbon disulfide	ND		5.5	2.8
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	0.78	J	5.5	0.71
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.71
75-71-8	Dichlorodifluoromethane	ND		5.5	0.46
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S1 | Lab Sample ID: 480-92744-3

Matrix: Solid | Lab File ID: P2454.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:20

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 15:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.7 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.28
127-18-4	Tetrachloroethene	2.5	J	5.5	0.74
108-88-3	Toluene	ND		5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	5.9		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	78		72-126
2037-26-5	Toluene-d8 (Surr)	107		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2454.D
Lims ID: 480-92744-A-3-A Lab Sample ID: 480-92744-3
Client ID: B19-POLEBARN-S1
Sample Type: Client
Inject. Date: 17-Dec-2015 15:35:30 ALS Bottle#: 5 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-3-A
Misc. Info.: 480-0049333-012
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:35:24 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:35:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	324672	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	585997	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	388599	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	262141	52.2	
$ 5 Toluene-d8 (Surr)	98	11.884	11.877	0.007	94	1377835	53.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	91	348474	39.0	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.311	0.000	87	6706	0.6197	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	100	19277	5.18	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.779				ND	
31 Methylene Chloride	84	6.986	6.986	0.000	96	37528	1.55	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	94	15093	0.7430	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	82	7001	0.7063	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.357	10.351	0.006	94	52114	5.38	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.516				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	91	18464	2.31	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.004				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

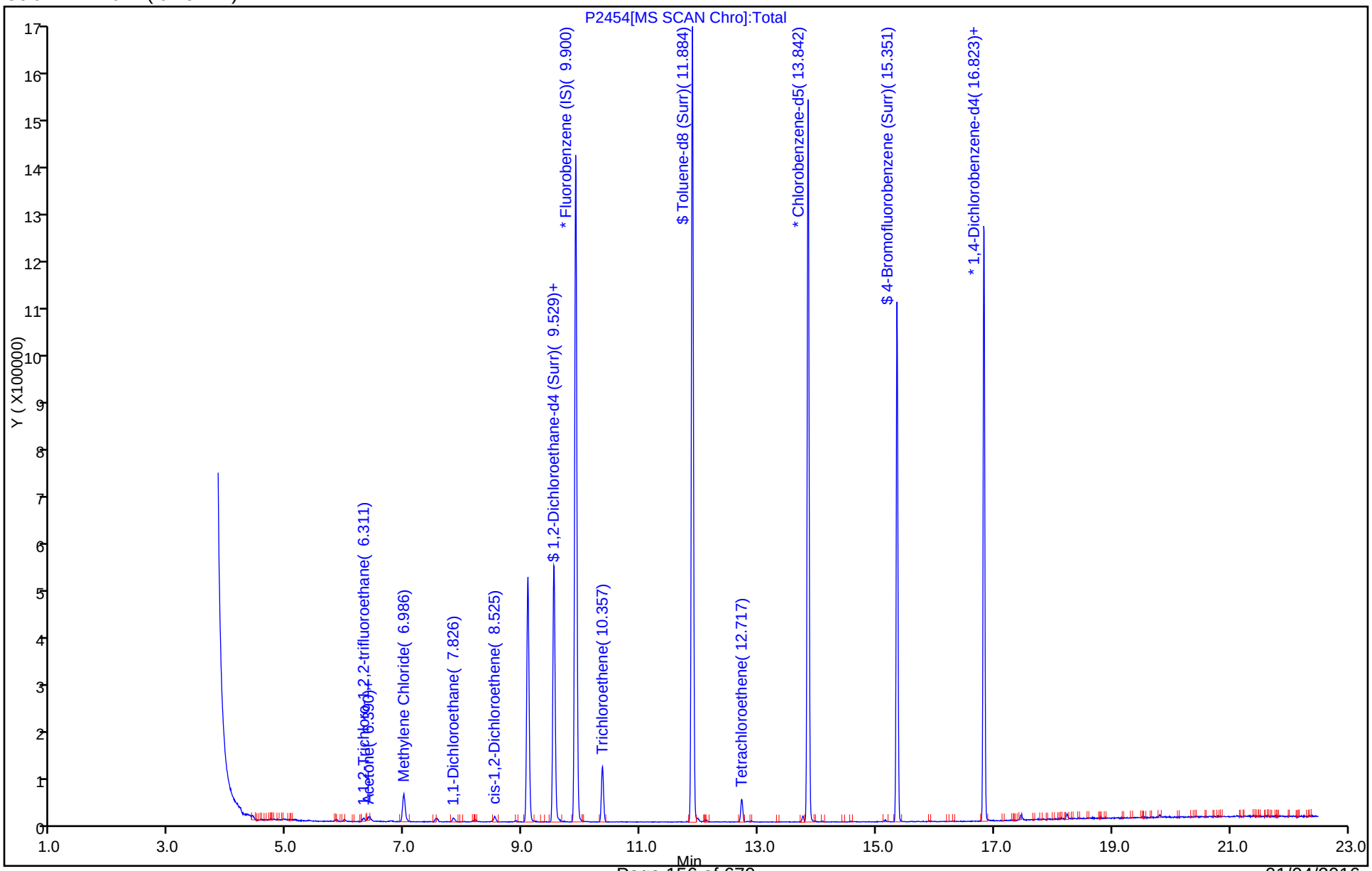
Report Date: 18-Dec-2015 01:35:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2454.D

Injection Date:	17-Dec-2015 15:35:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-3-A	Lab Sample ID:	480-92744-3	Worklist Smp#:	12
Client ID:	B19-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

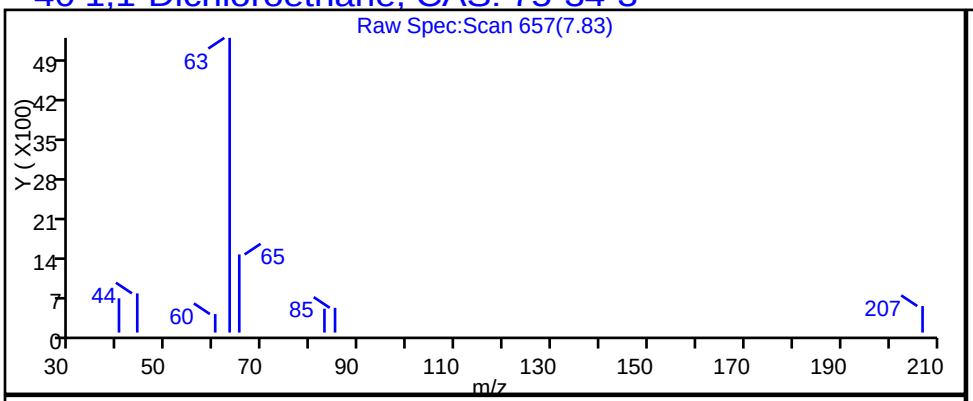
Column: ZB-624 (0.25 mm)

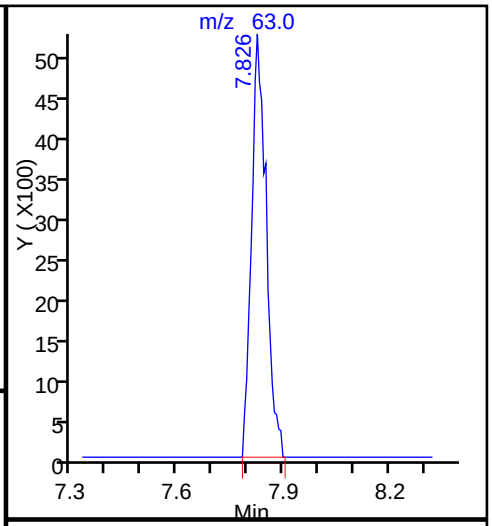


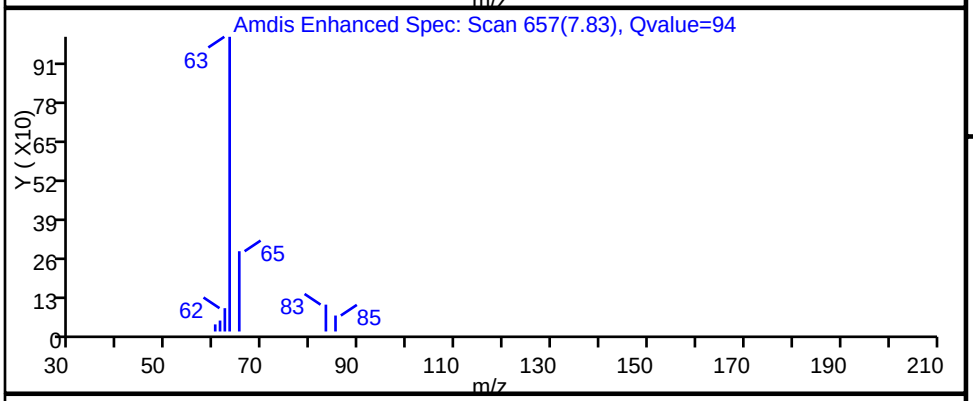
TestAmerica Buffalo

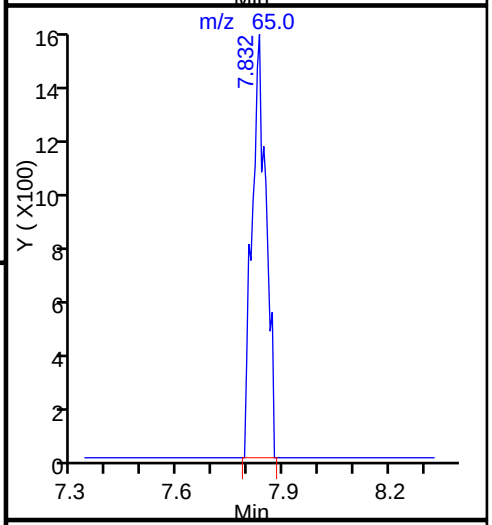
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2454.D		
Injection Date:	17-Dec-2015 15:35:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-3-A	Lab Sample ID:	480-92744-3
Client ID:	B19-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	5 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

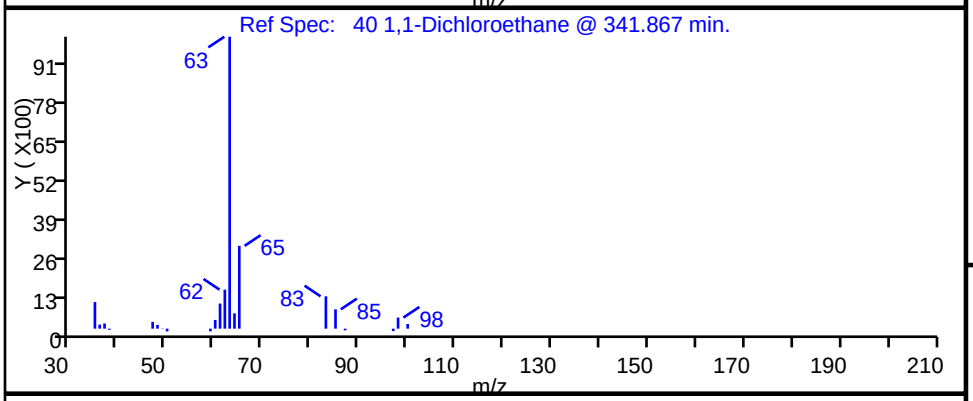
40 1,1-Dichloroethane, CAS: 75-34-3

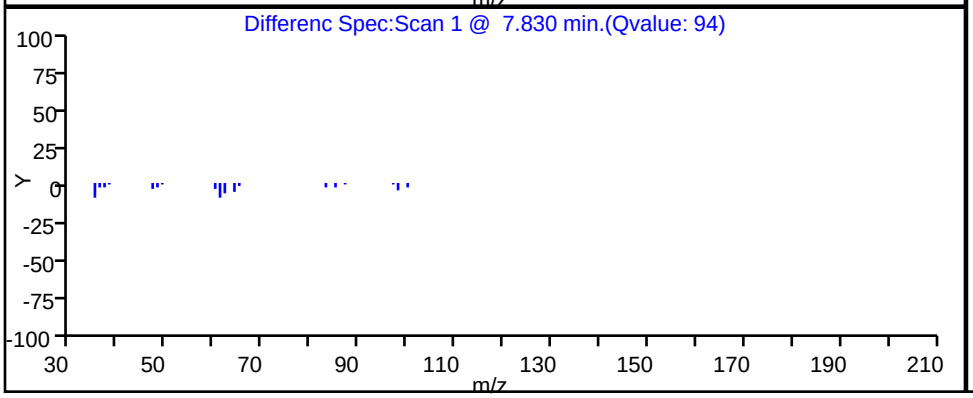


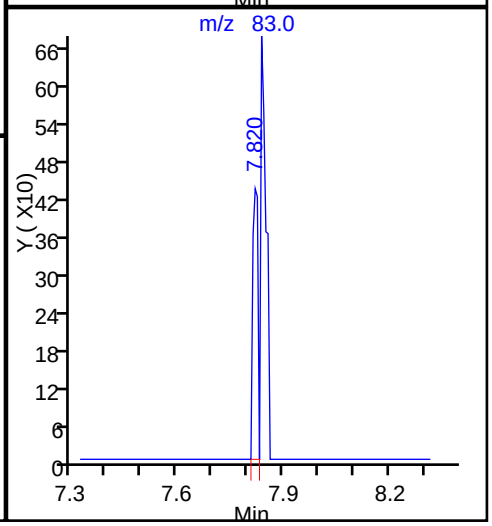








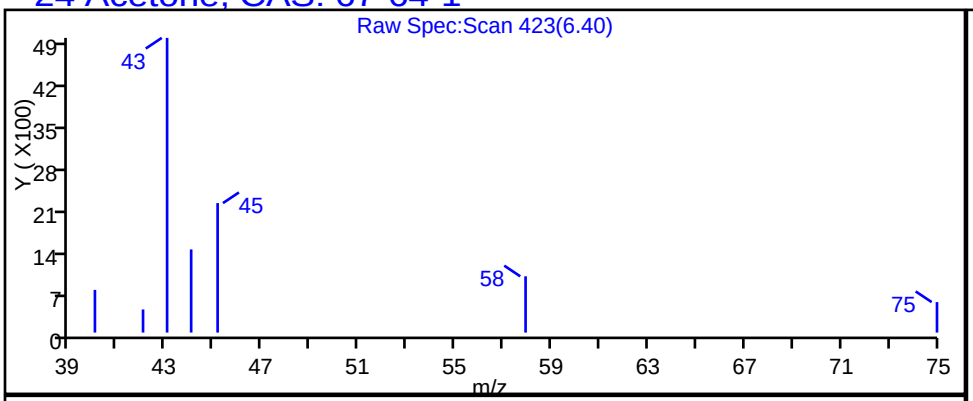


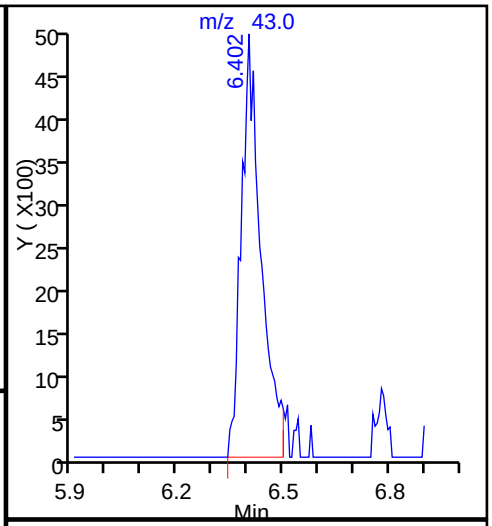


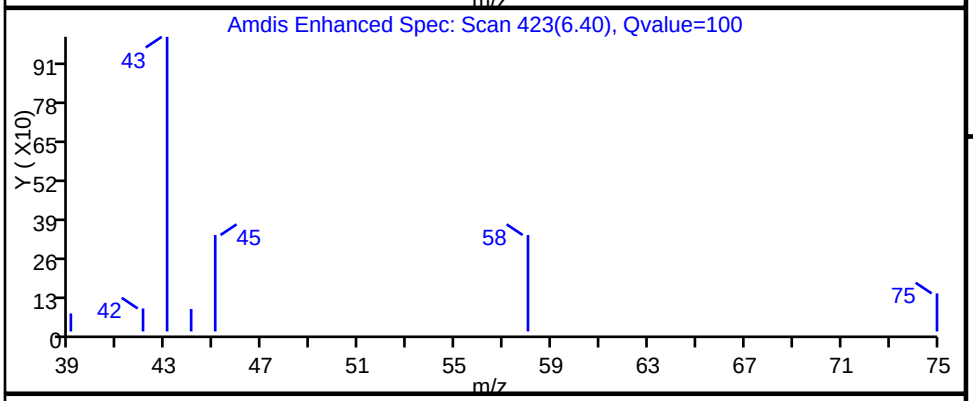
TestAmerica Buffalo

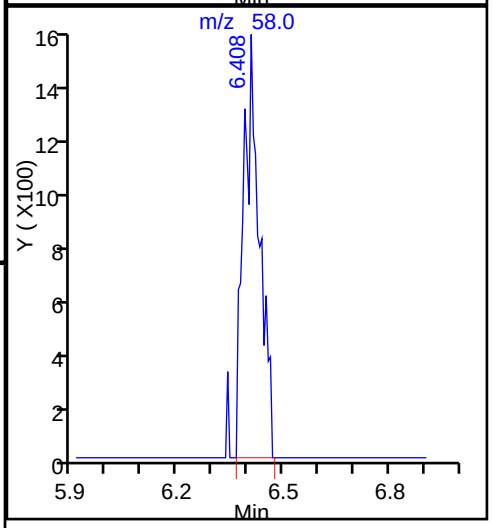
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2454.D		
Injection Date:	17-Dec-2015 15:35:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-3-A	Lab Sample ID:	480-92744-3
Client ID:	B19-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	5 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

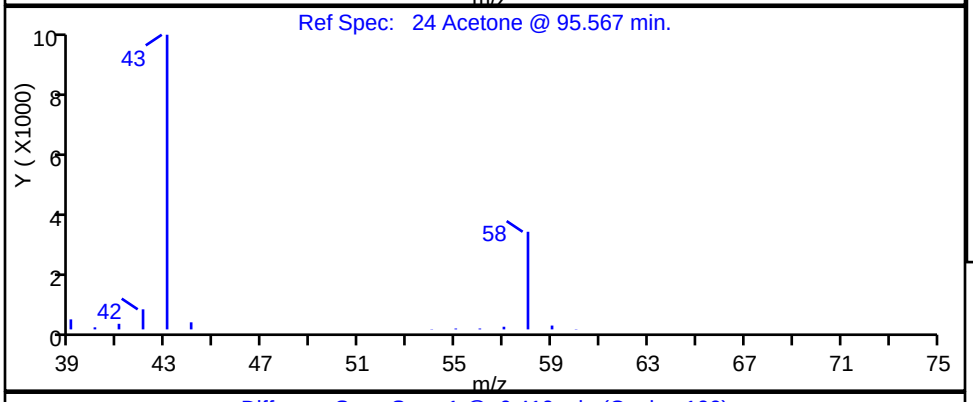
24 Acetone, CAS: 67-64-1

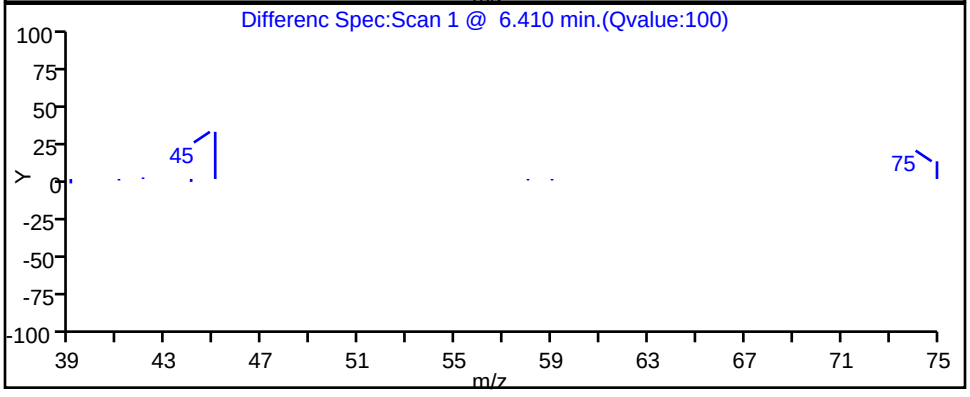








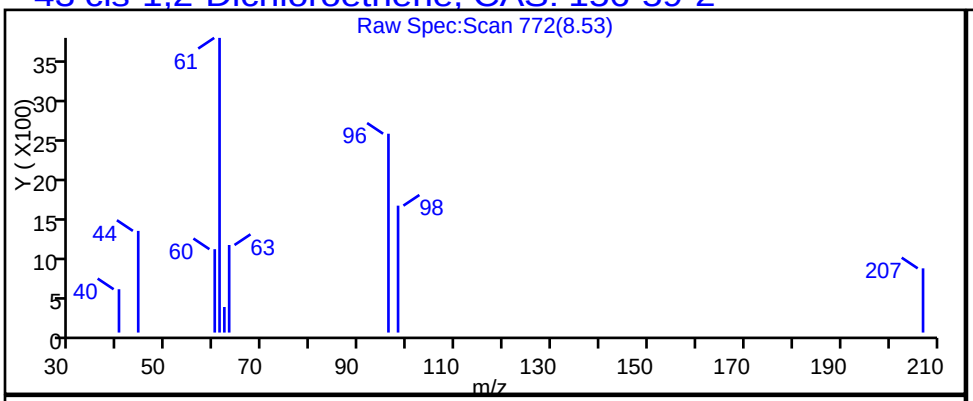


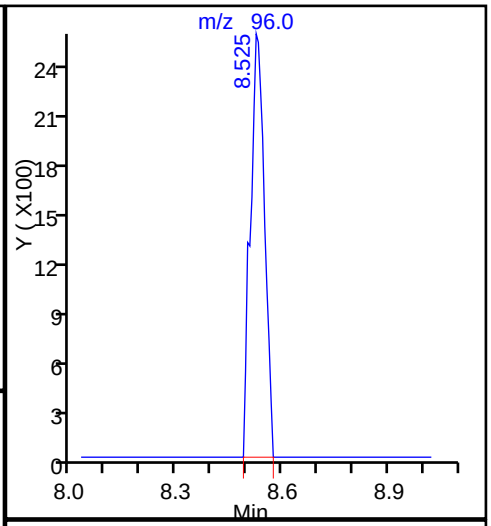


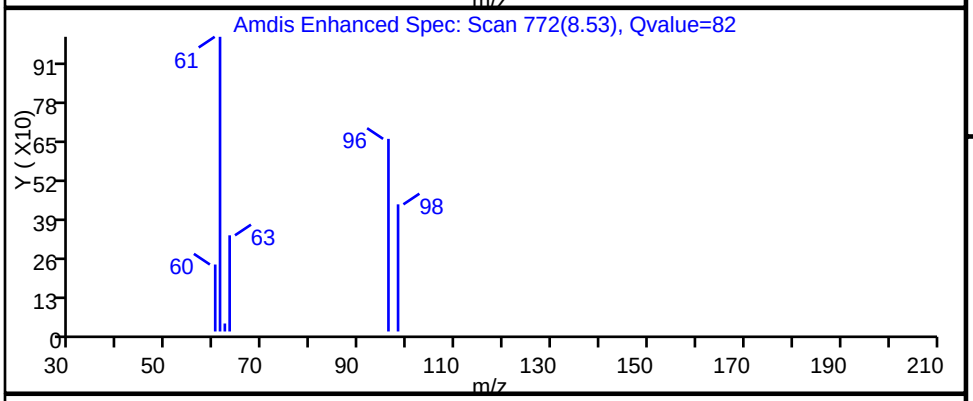
TestAmerica Buffalo

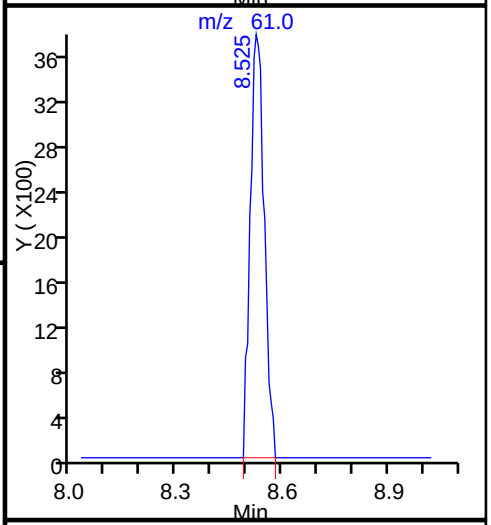
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2454.D		
Injection Date:	17-Dec-2015 15:35:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-3-A	Lab Sample ID:	480-92744-3
Client ID:	B19-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	5 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

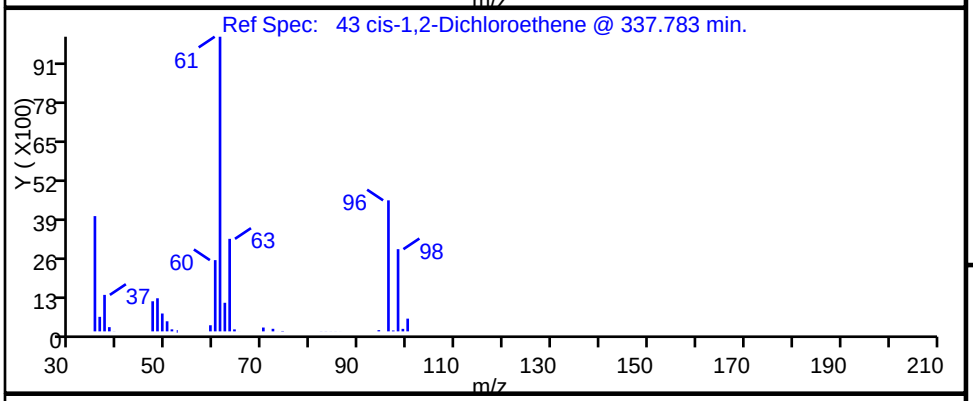
43 cis-1,2-Dichloroethene, CAS: 156-59-2

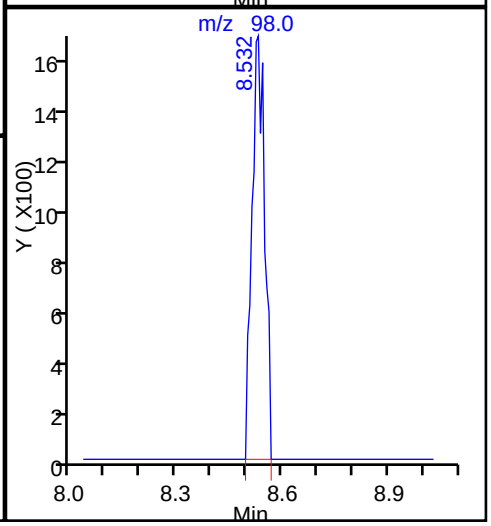


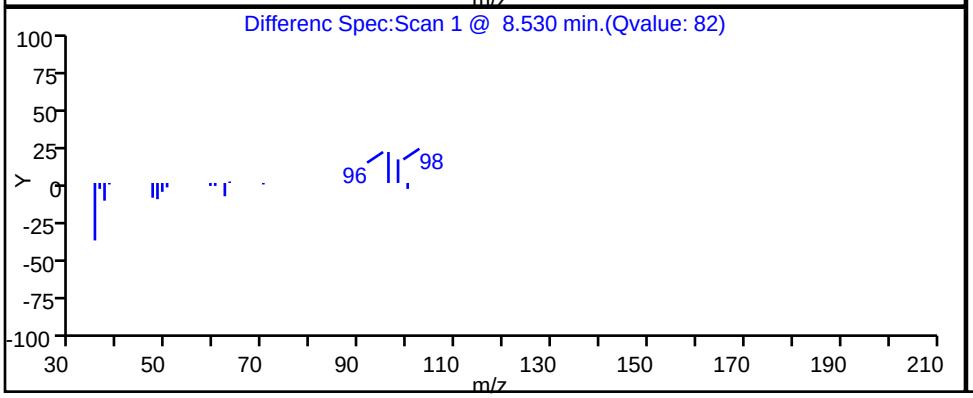








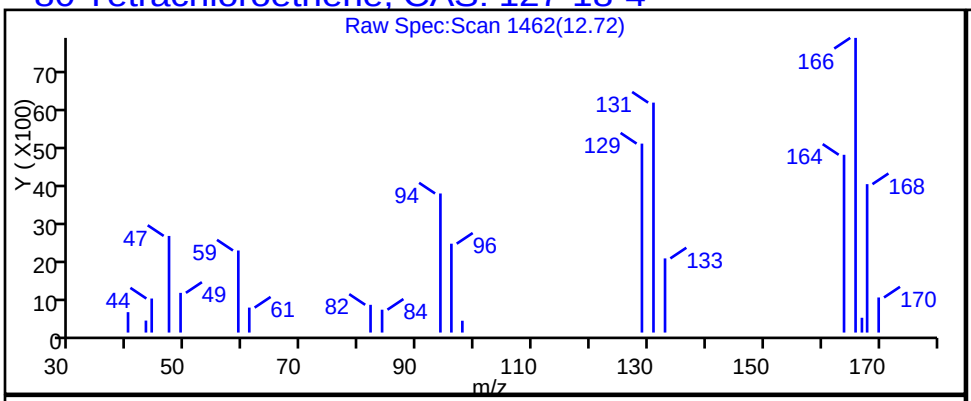


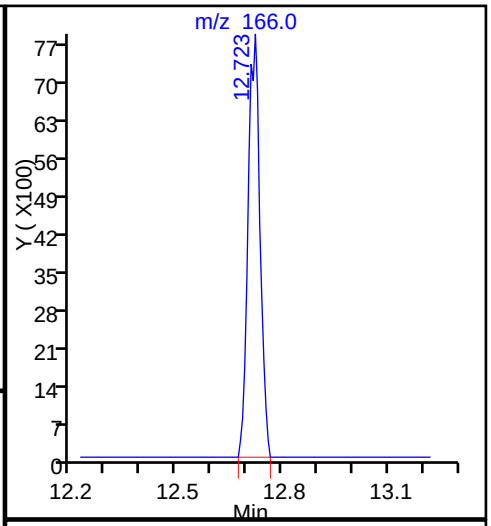


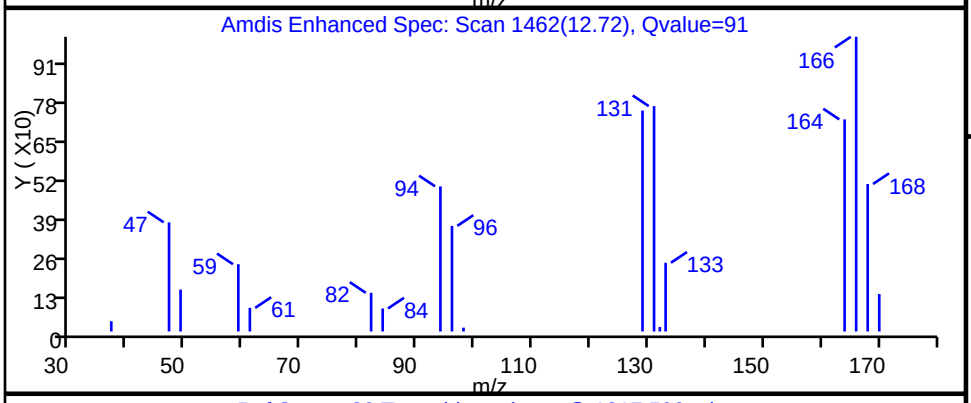
TestAmerica Buffalo

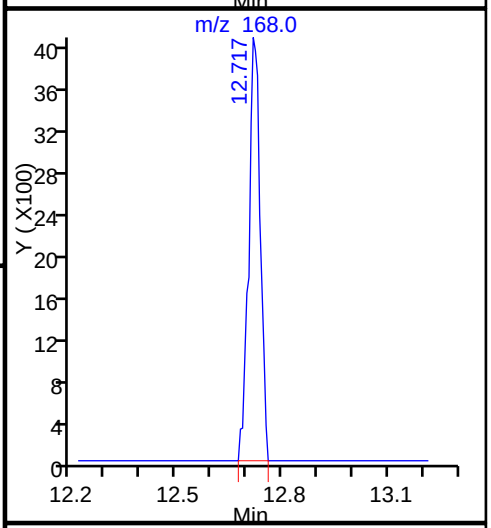
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2454.D		
Injection Date:	17-Dec-2015 15:35:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-3-A	Lab Sample ID:	480-92744-3
Client ID:	B19-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	5 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

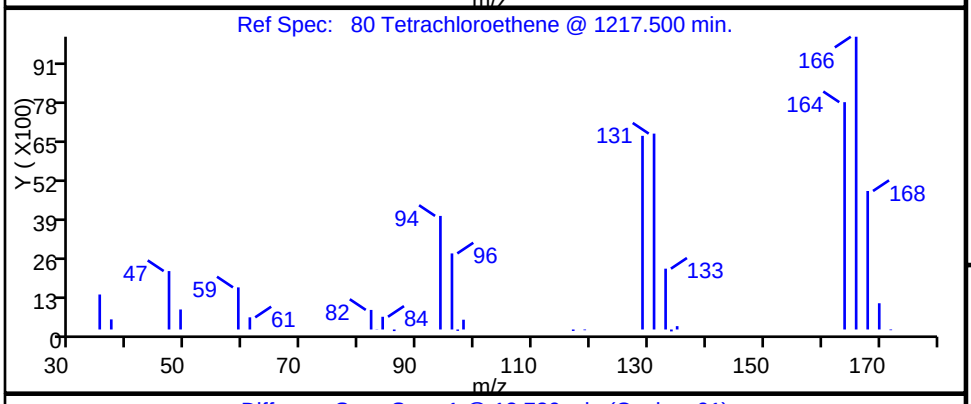
80 Tetrachloroethene, CAS: 127-18-4

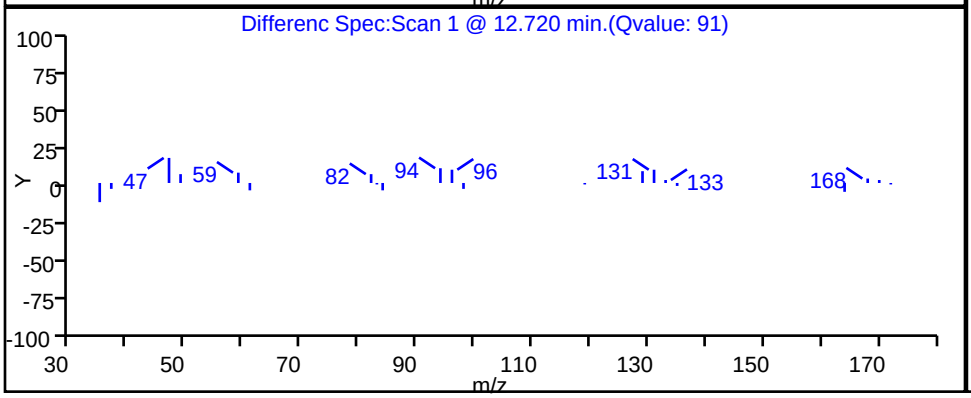


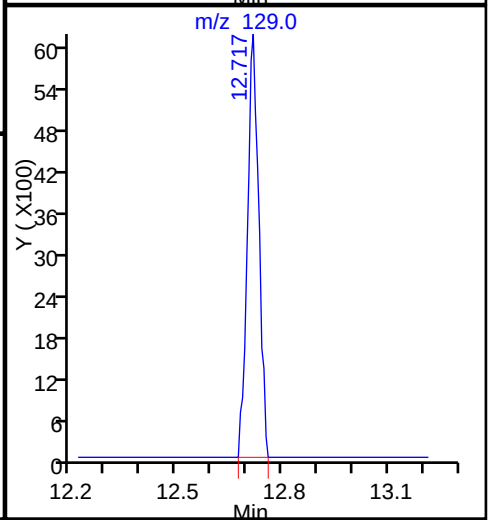










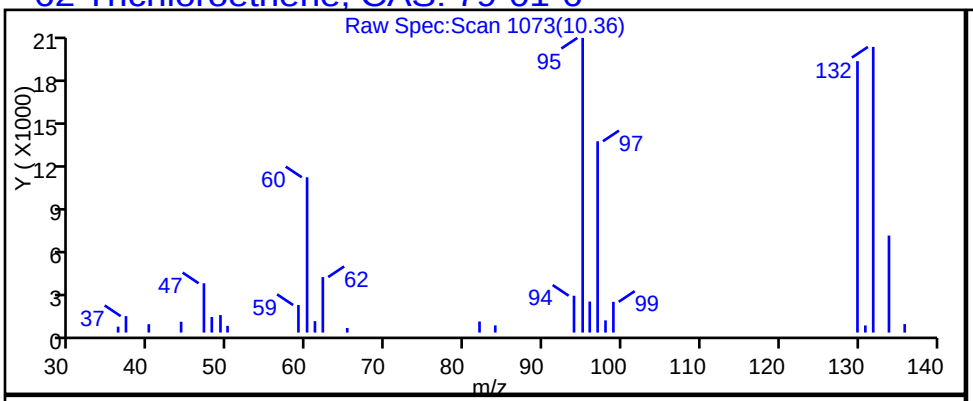


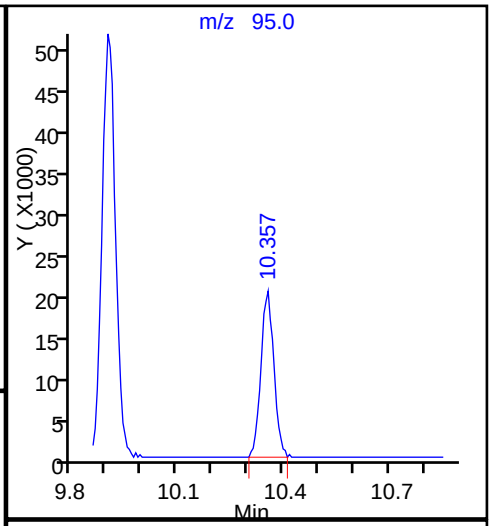
TestAmerica Buffalo

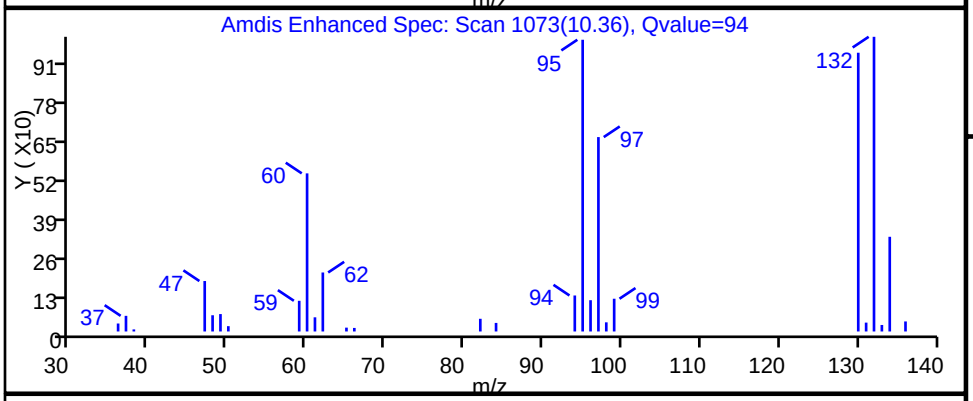
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2454.D

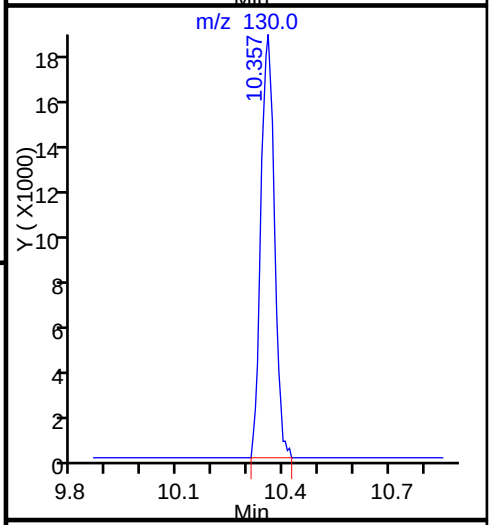
Injection Date:	17-Dec-2015 15:35:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-3-A	Lab Sample ID:	480-92744-3
Client ID:	B19-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	5 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

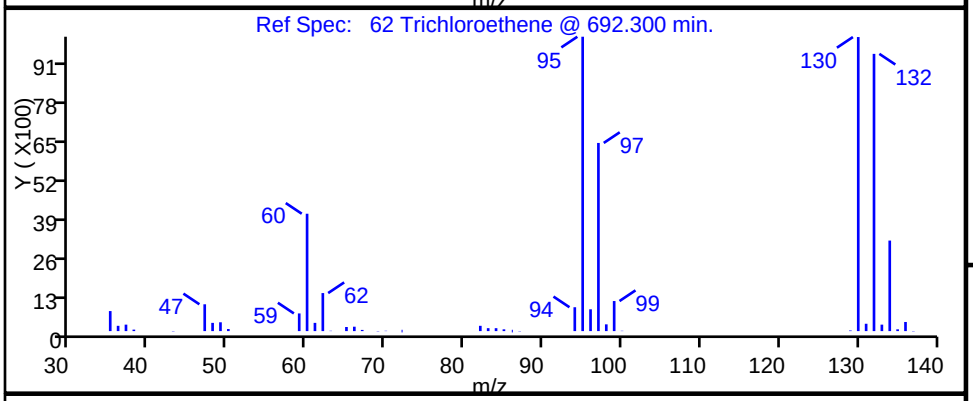
62 Trichloroethene, CAS: 79-01-6

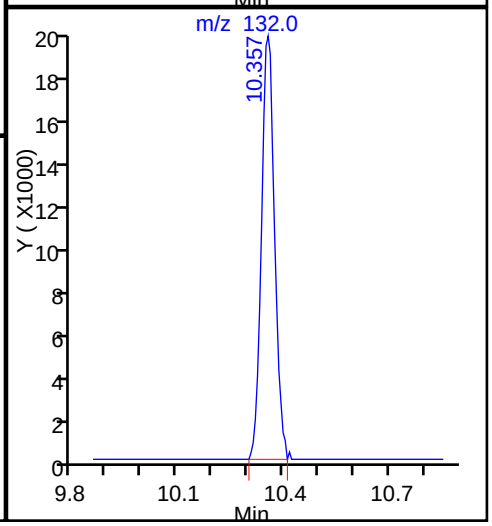


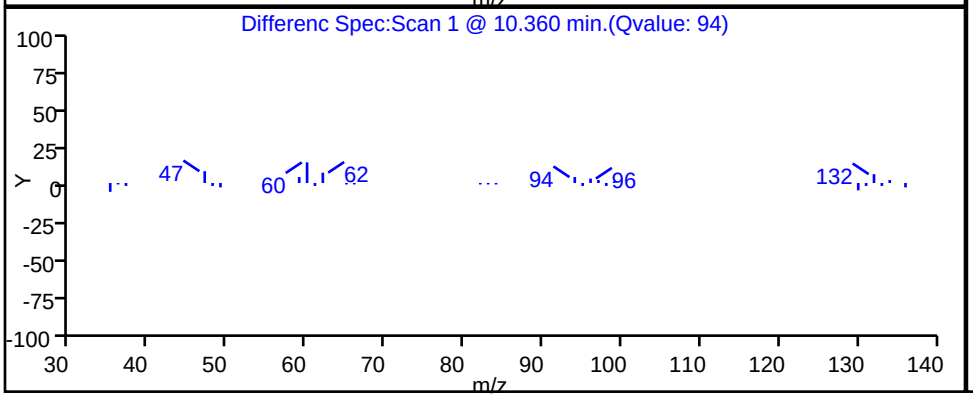












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S2 | Lab Sample ID: 480-92744-4

Matrix: Solid | Lab File ID: P2477.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:30

Sample wt/vol: 5.49(g) | Date Analyzed: 12/18/2015 03:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1 *	4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	J	4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND	*	4.9	0.64
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND	F1 *	4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	4.9	2.5
106-93-4	1,2-Dibromoethane	ND	F1 *	4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND	* F1	4.9	0.38
107-06-2	1,2-Dichloroethane	ND	F1	4.9	0.25
78-87-5	1,2-Dichloropropane	ND	F1	4.9	2.5
541-73-1	1,3-Dichlorobenzene	ND	F1 *	4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND	F1 *	4.9	0.69
78-93-3	2-Butanone (MEK)	ND	F1	25	1.8
591-78-6	2-Hexanone	ND	*	25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	25	1.6
67-64-1	Acetone	ND		25	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND	F1	4.9	0.66
75-25-2	Bromoform	ND	F1 *	4.9	2.5
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.5
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND	F1 *	4.9	0.65
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	ND	F1	4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND	F1	4.9	0.71
110-82-7	Cyclohexane	ND	F1	4.9	0.69
124-48-1	Dibromochloromethane	ND	*	4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND	F1 *	4.9	0.34
98-82-8	Isopropylbenzene	ND	F1 *	4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S2 | Lab Sample ID: 480-92744-4

Matrix: Solid | Lab File ID: P2477.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:30

Sample wt/vol: 5.49(g) | Date Analyzed: 12/18/2015 03:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	3.0
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND	F1	4.9	0.75
75-09-2	Methylene Chloride	ND		4.9	2.3
100-42-5	Styrene	ND	F1 *	4.9	0.25
127-18-4	Tetrachloroethene	ND	F1 *	4.9	0.66
108-88-3	Toluene	0.57	J *	4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND	F1	4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	ND	F1 *	4.9	2.2
79-01-6	Trichloroethene	ND	F1	4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND	F1	9.8	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-126
460-00-4	4-Bromofluorobenzene (Surr)	32	* X	72-126
2037-26-5	Toluene-d8 (Surr)	131	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2477.D
Lims ID: 480-92744-A-4-D Lab Sample ID: 480-92744-4
Client ID: B19-POLEBARN-S2
Sample Type: Client
Inject. Date: 18-Dec-2015 03:19:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-4-D
Misc. Info.: 480-0049361-008
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:44:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:45:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	238388	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	199772	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	67237	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	214170	58.1	
$ 5 Toluene-d8 (Surr)	98	11.883	11.878	0.005	93	570796	65.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	89	47996	15.8	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	91	8720	1.10	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43		6.384				ND	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.755	6.767	-0.012	94	8298	0.3368	
31 Methylene Chloride	84	6.986	6.980	0.006	97	19264	0.2986	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63		7.820				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.519	0.012	77	2012	0.2764	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.356	10.351	0.005	93	4469	0.6278	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	90	4095	0.5772	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

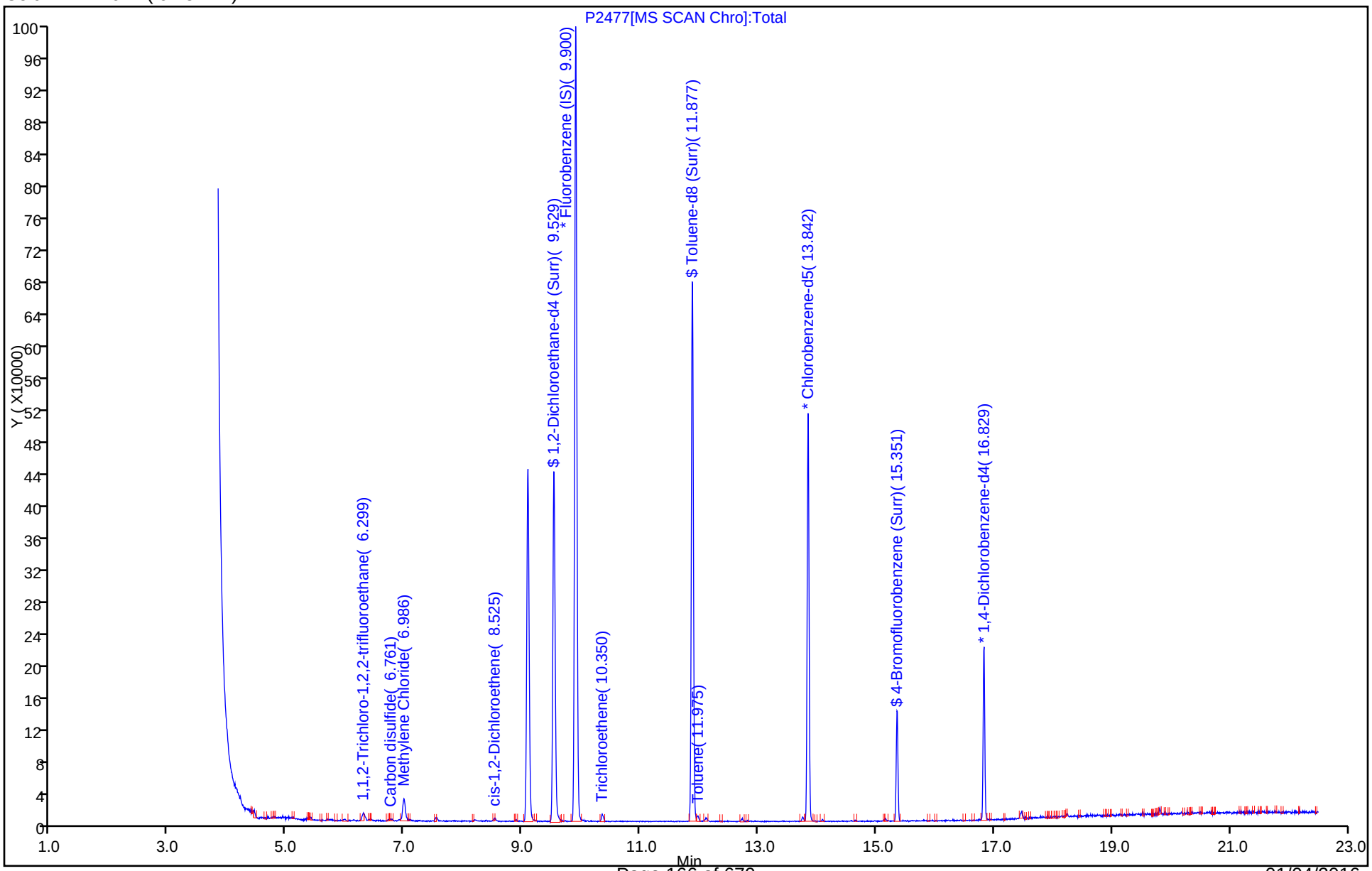
Report Date: 19-Dec-2015 00:45:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2477.D

Injection Date:	18-Dec-2015 03:19:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-4-D	Lab Sample ID:	480-92744-4	Worklist Smp#:	8
Client ID:	B19-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

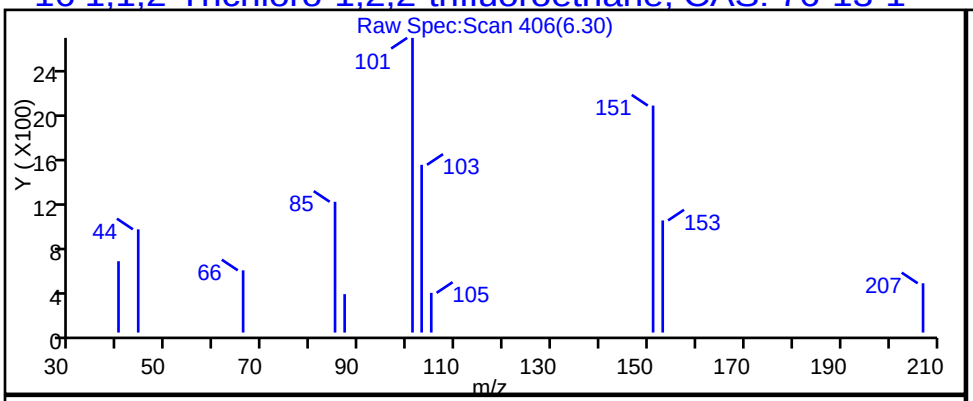
Column: ZB-624 (0.25 mm)

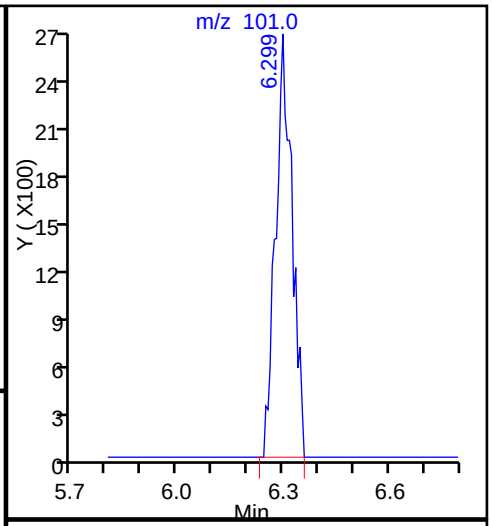


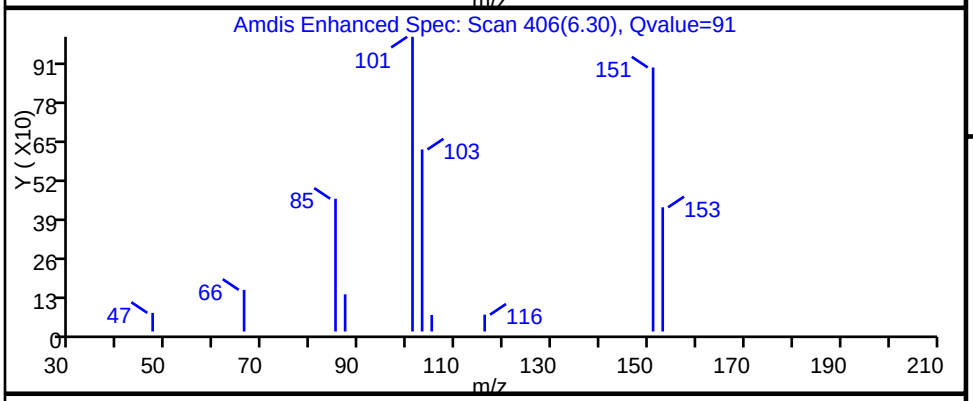
TestAmerica Buffalo

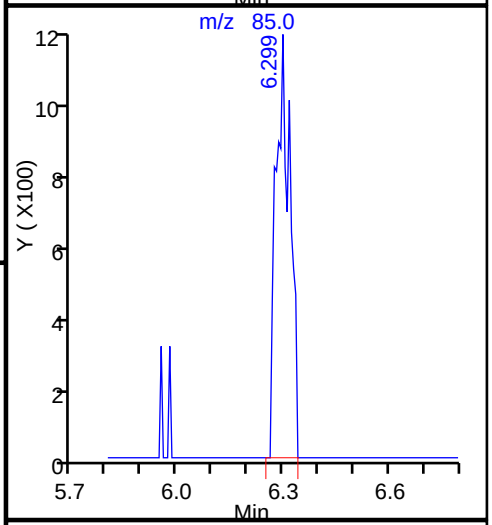
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2477.D				
Injection Date:	18-Dec-2015 03:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-4-D	Lab Sample ID:	480-92744-4		
Client ID:	B19-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

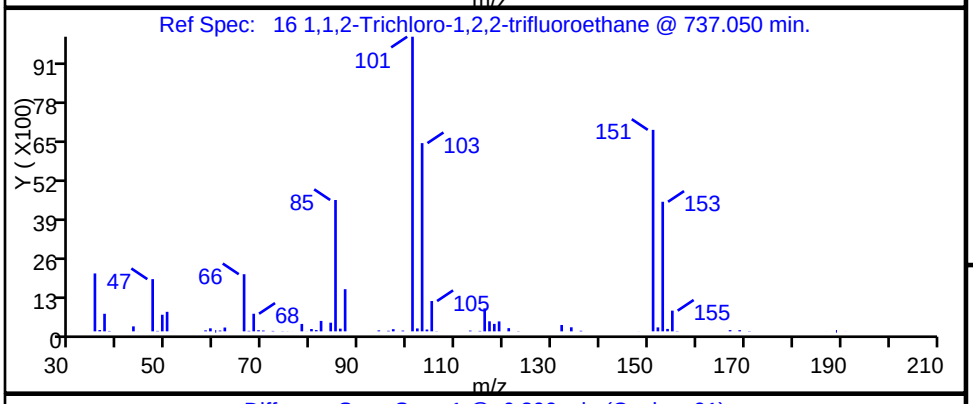
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

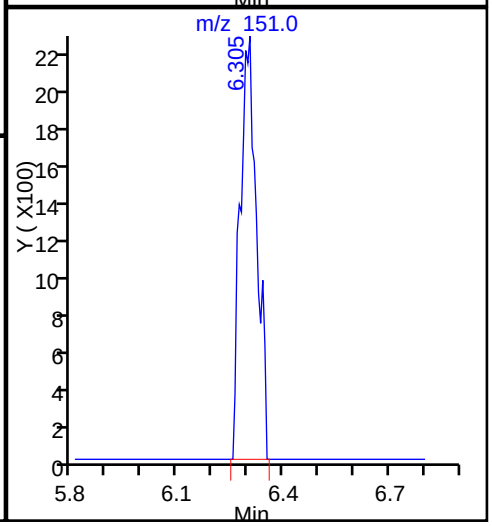


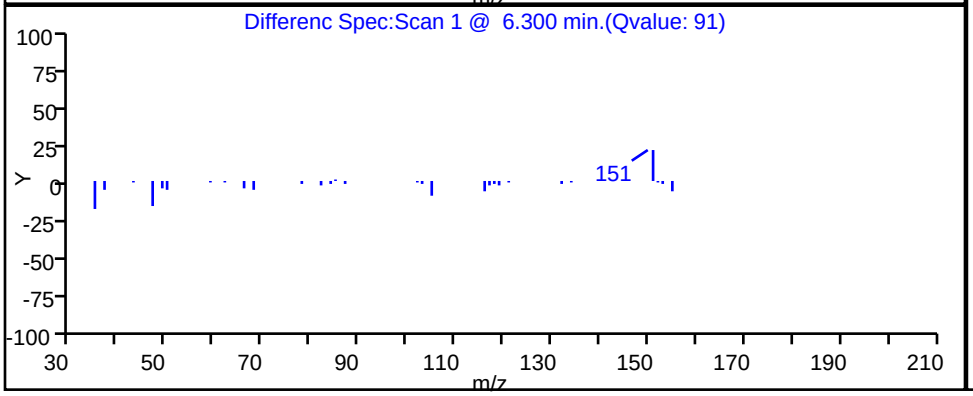












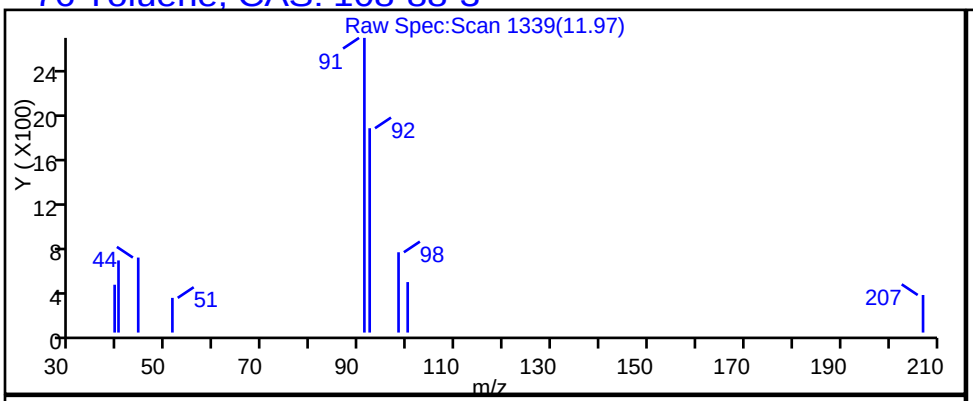
Report Date: 19-Dec-2015 00:45:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

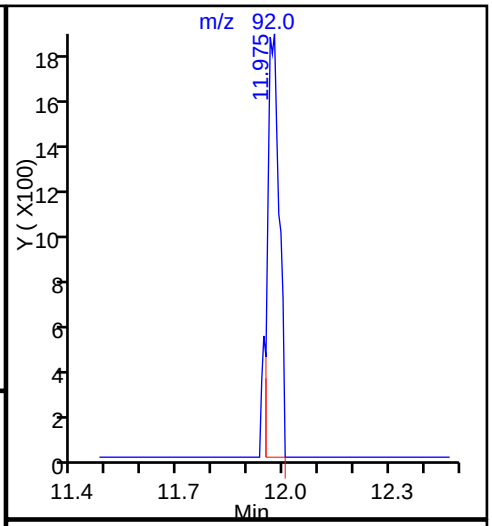
TestAmerica Buffalo

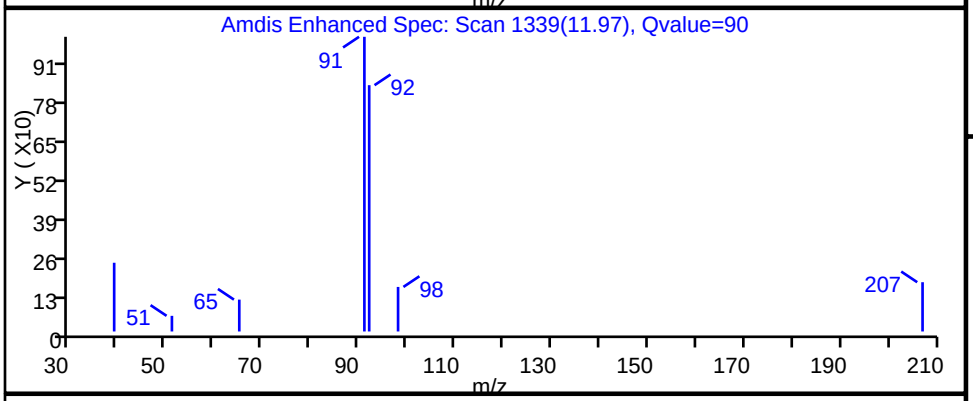
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2477.D

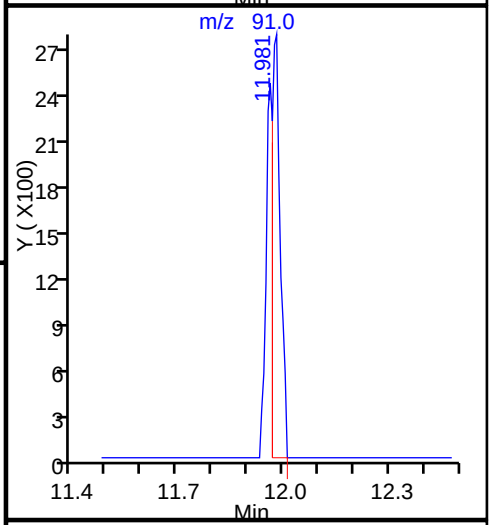
Injection Date:	18-Dec-2015 03:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-4-D	Lab Sample ID:	480-92744-4		
Client ID:	B19-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

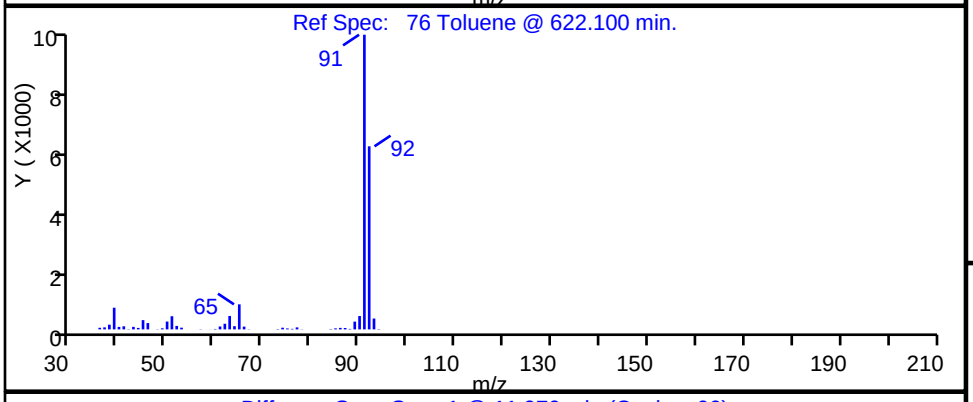
76 Toluene, CAS: 108-88-3

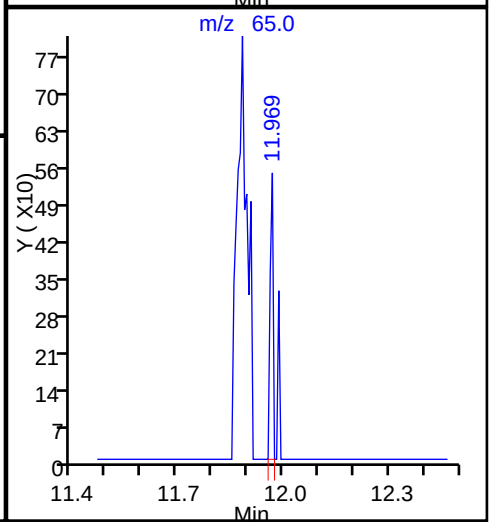


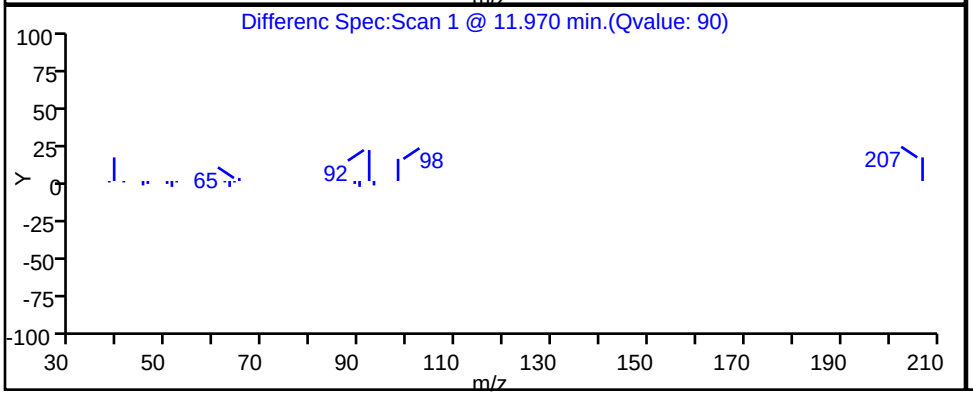












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B20-POLEBARN-S1 | Lab Sample ID: 480-92744-5

Matrix: Solid | Lab File ID: P2478.D

Analysis Method: 8260C | Date Collected: 12/14/2015 13:35

Sample wt/vol: 5.22(g) | Date Analyzed: 12/18/2015 03:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.2	0.68
75-34-3	1,1-Dichloroethane	ND		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND		5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND		5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.50
108-90-7	Chlorobenzene	ND		5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.31
156-59-2	cis-1,2-Dichloroethene	1.4	J	5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND		5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND		5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B20-POLEBARN-S1 | Lab Sample ID: 480-92744-5

Matrix: Solid | Lab File ID: P2478.D

Analysis Method: 8260C | Date Collected: 12/14/2015 13:35

Sample wt/vol: 5.22(g) | Date Analyzed: 12/18/2015 03:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	2.4	J	5.2	2.4
100-42-5	Styrene	ND		5.2	0.26
127-18-4	Tetrachloroethene	1.5	J	5.2	0.70
108-88-3	Toluene	0.78	J	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.3
79-01-6	Trichloroethene	3.0	J	5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	48	X	72-126
2037-26-5	Toluene-d8 (Surr)	130	X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D
Lims ID: 480-92744-A-5-B Lab Sample ID: 480-92744-5
Client ID: B20-POLEBARN-S1
Sample Type: Client
Inject. Date: 18-Dec-2015 03:46:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-5-B
Misc. Info.: 480-0049361-009
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:46:46 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:46:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.900	0.006	98	295877	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	355390	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	115742	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	242416	53.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	93	1009593	64.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	89	130680	24.1	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	91	9569	0.9703	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43	6.402	6.384	0.018	96	13743	4.05	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76		6.767				ND	
31 Methylene Chloride	84	6.992	6.980	0.012	94	40644	2.34	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63	7.832	7.820	0.012	1	5361	0.2896	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.519	0.013	84	11950	1.32	
49 Chloroform	83	8.884	8.884	0.006	87	3792	0.2380	M
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.357	10.351	0.006	93	25490	2.89	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.975	11.969	0.006	96	9470	0.7503	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	88	6832	1.41	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	95	2589	0.2792	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1				0		0.2792	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

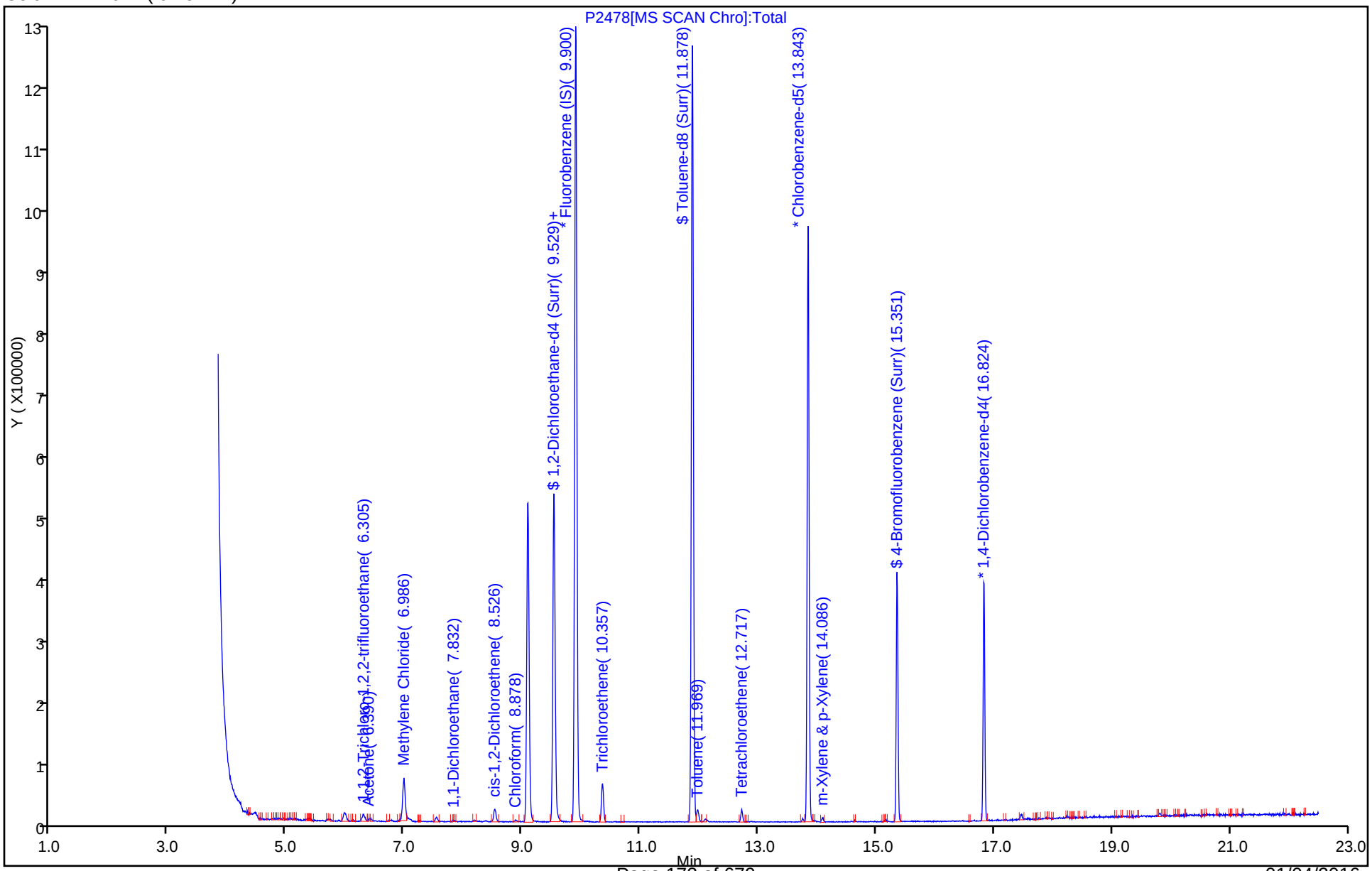
Report Date: 19-Dec-2015 00:46:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D

Injection Date:	18-Dec-2015 03:46:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-5-B	Lab Sample ID:	480-92744-5	Worklist Smp#:	9
Client ID:	B20-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

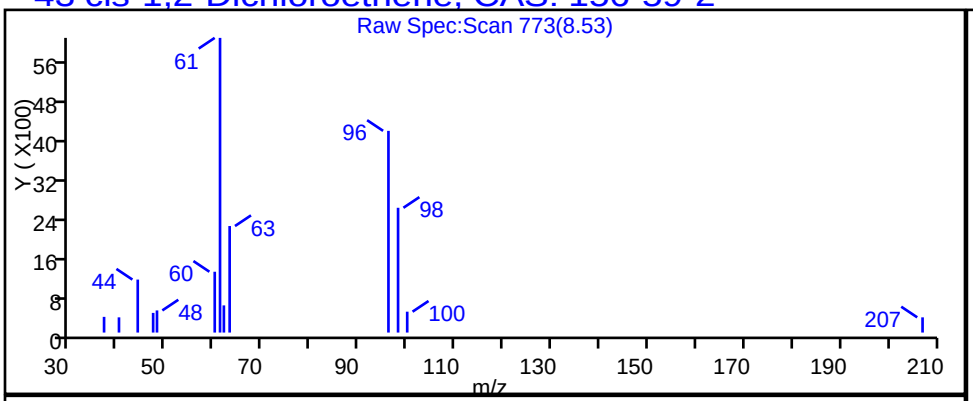
Column: ZB-624 (0.25 mm)

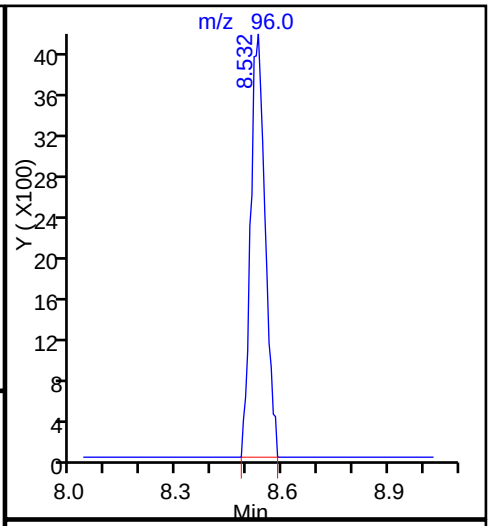


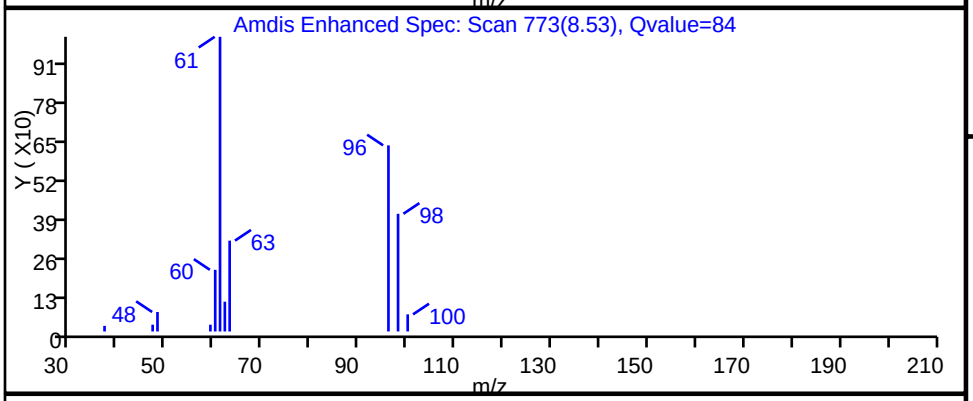
TestAmerica Buffalo

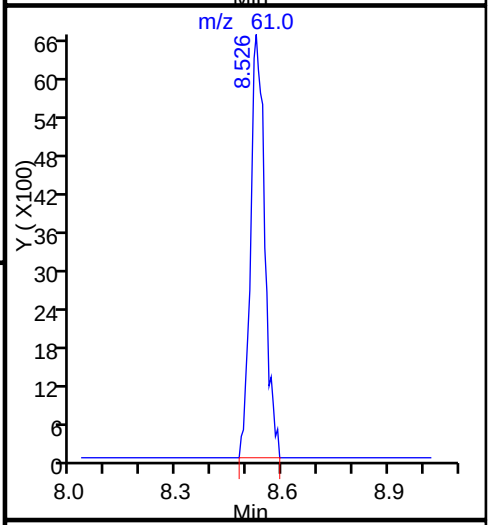
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D				
Injection Date:	18-Dec-2015 03:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-5-B	Lab Sample ID:	480-92744-5		
Client ID:	B20-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

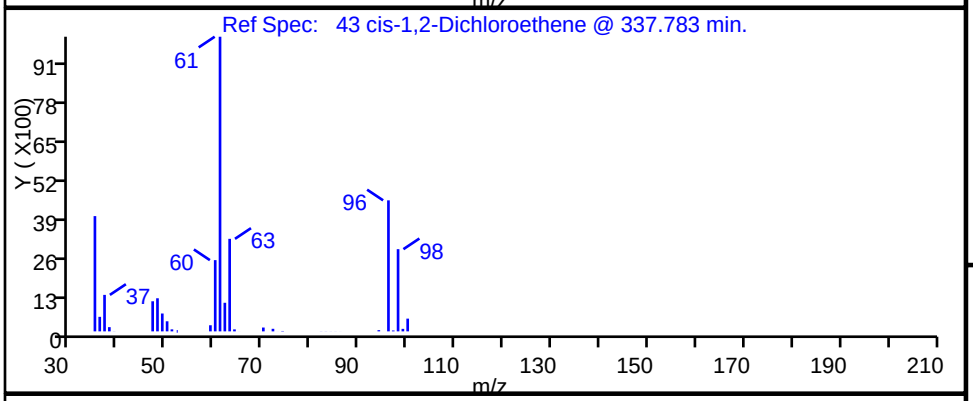
43 cis-1,2-Dichloroethene, CAS: 156-59-2

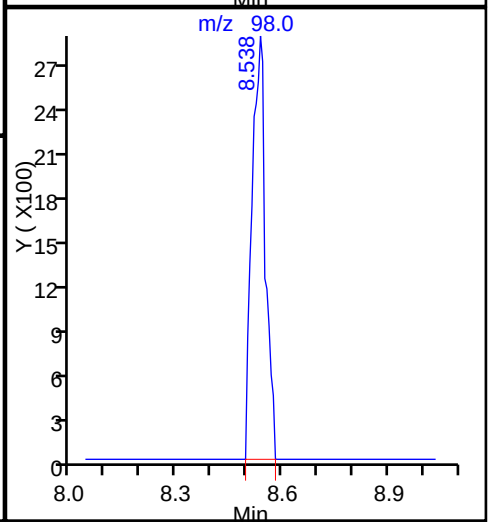


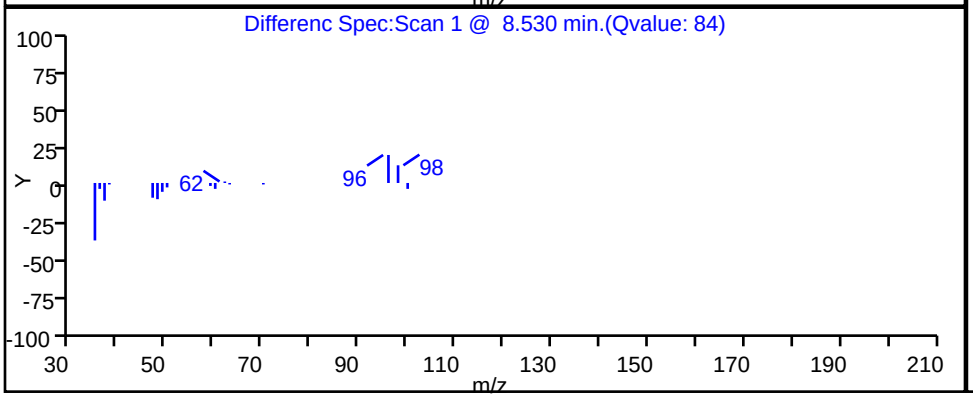










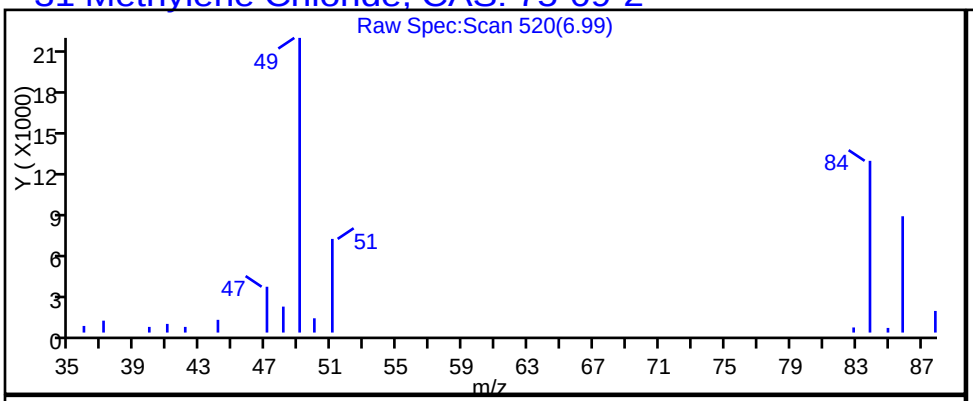


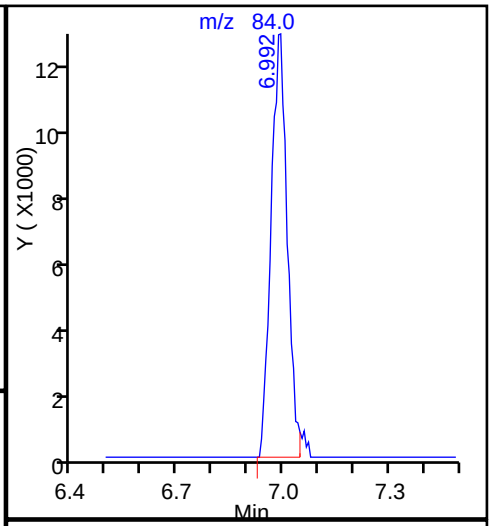
TestAmerica Buffalo

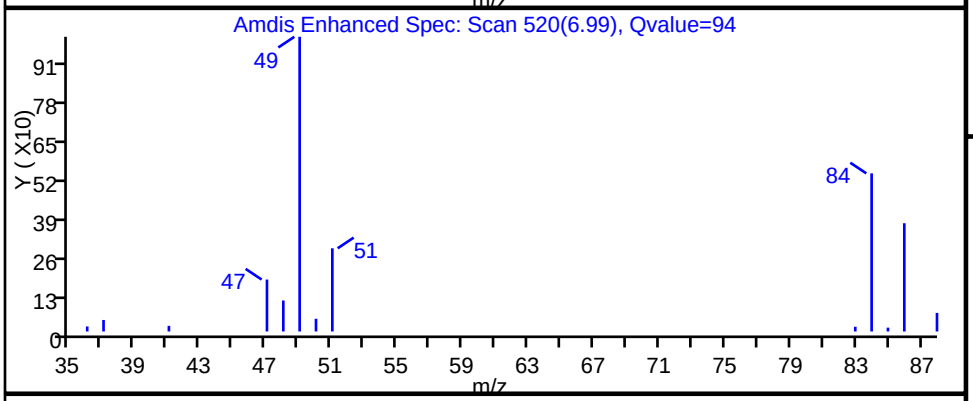
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D

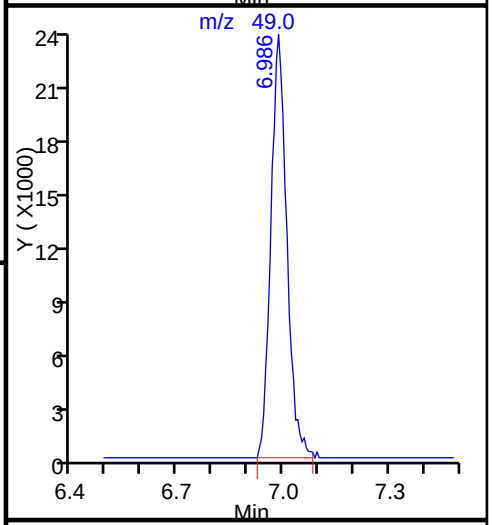
Injection Date:	18-Dec-2015 03:46:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-5-B	Lab Sample ID:	480-92744-5
Client ID:	B20-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

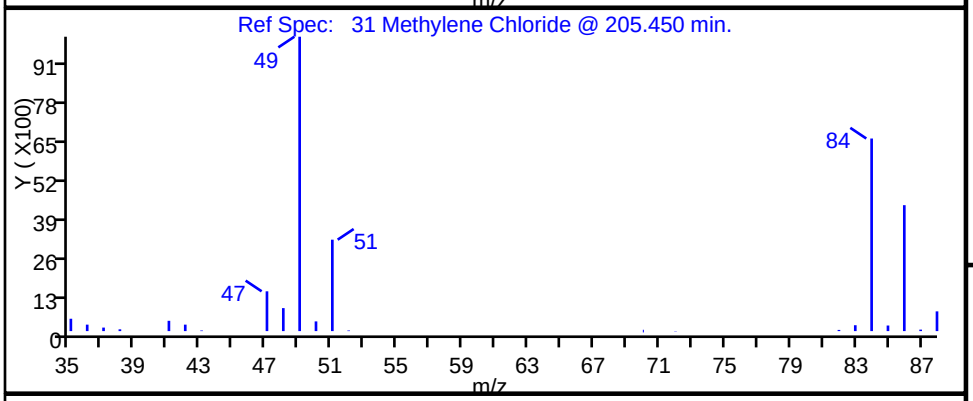
31 Methylene Chloride, CAS: 75-09-2

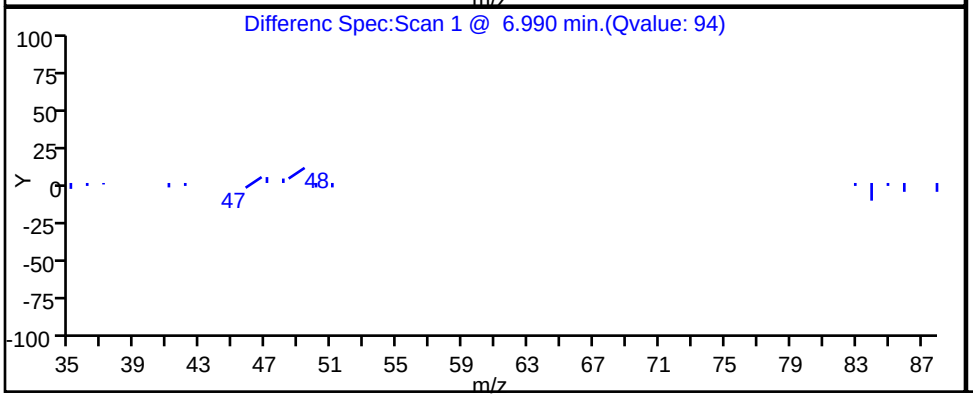


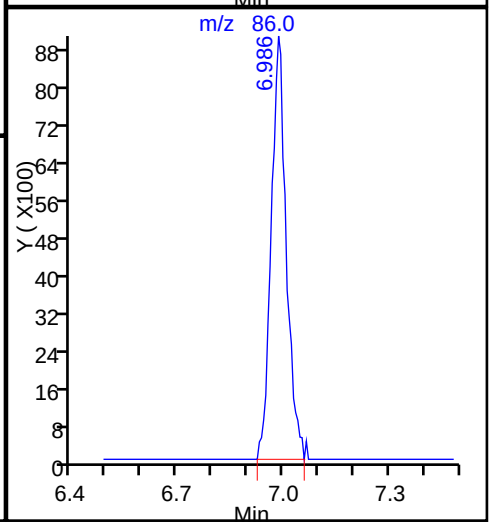










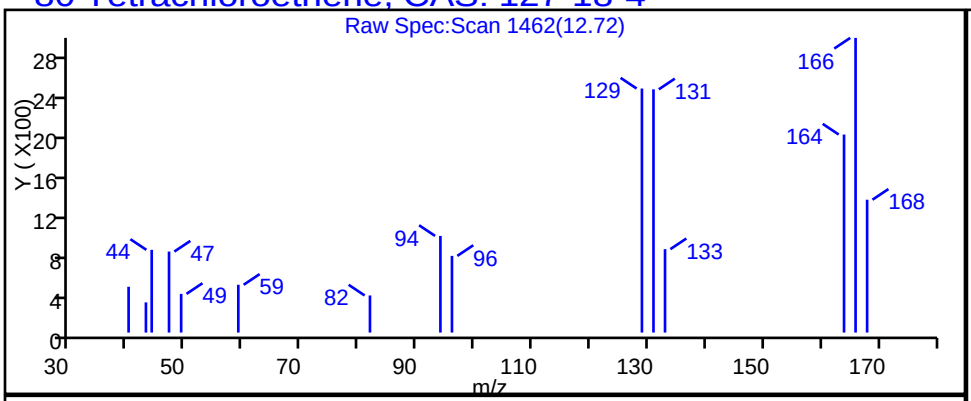


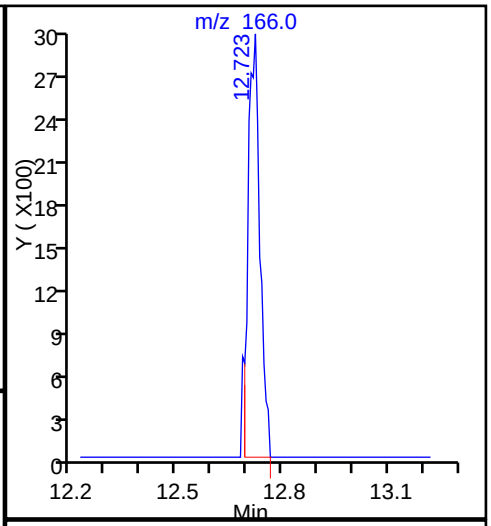
TestAmerica Buffalo

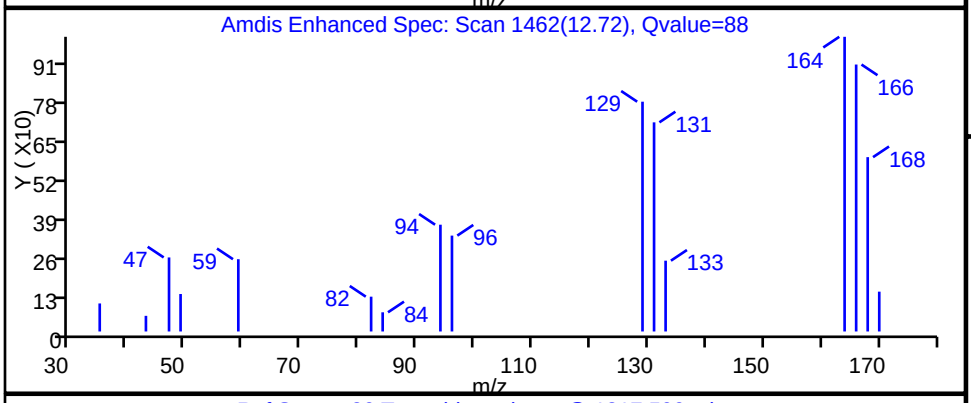
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D

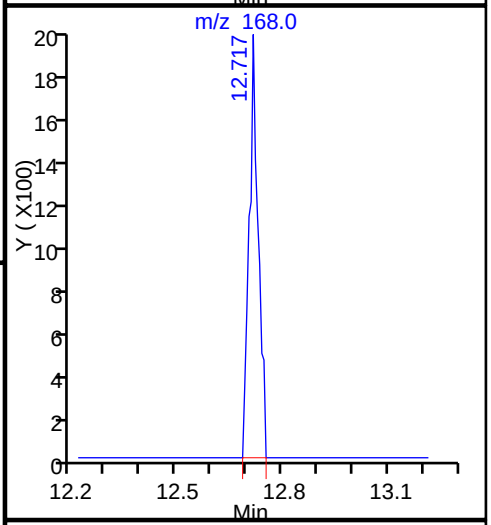
Injection Date:	18-Dec-2015 03:46:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-5-B	Lab Sample ID:	480-92744-5
Client ID:	B20-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

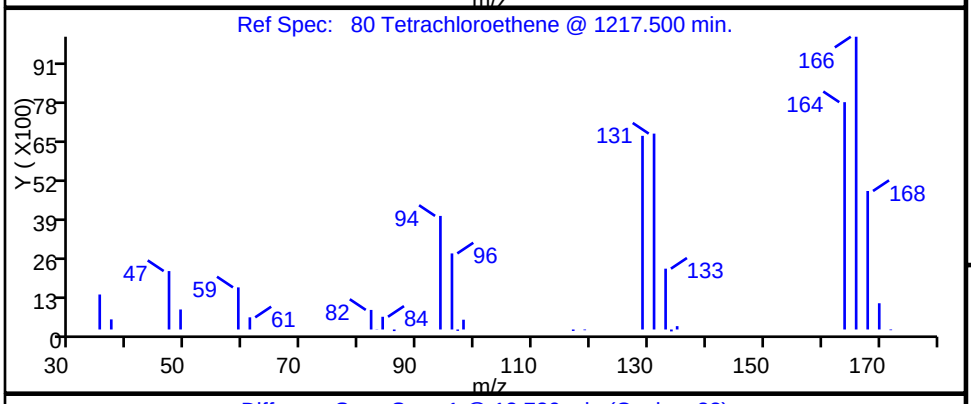
80 Tetrachloroethene, CAS: 127-18-4

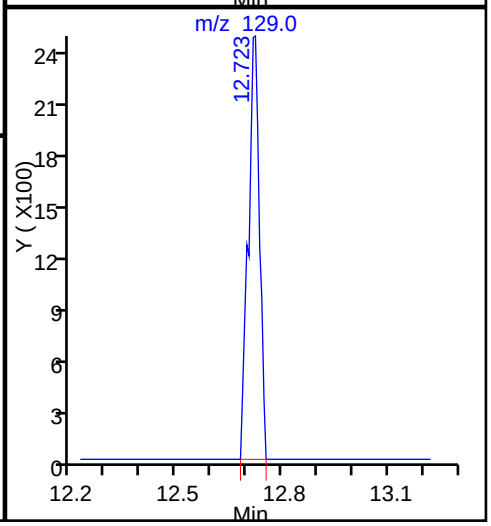


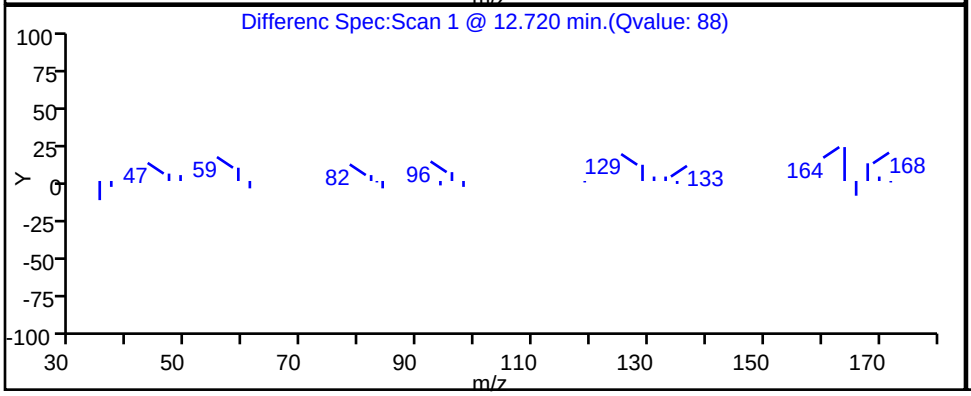










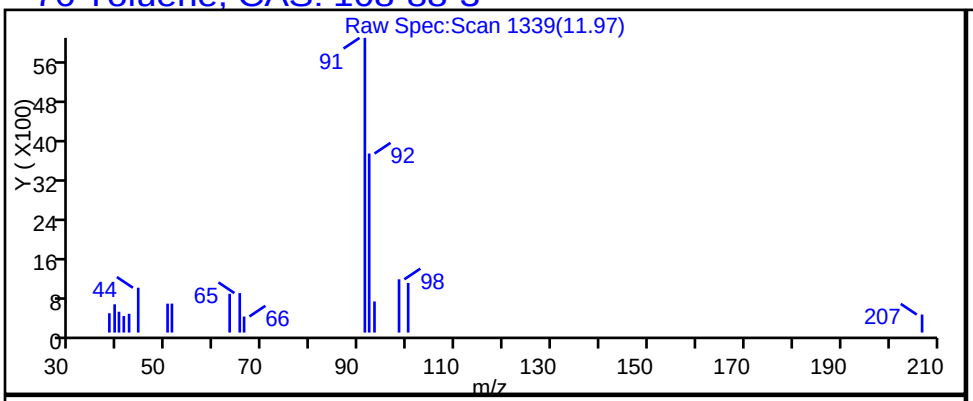


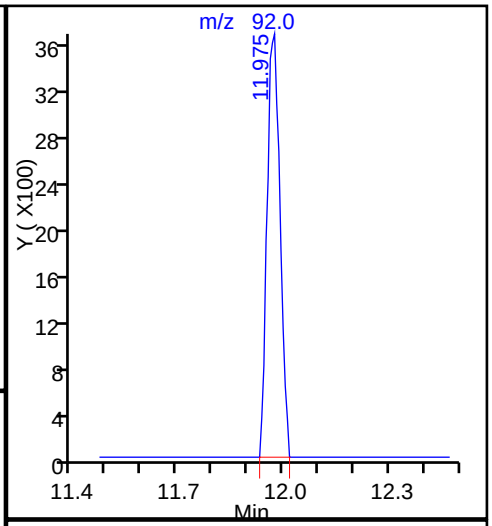
TestAmerica Buffalo

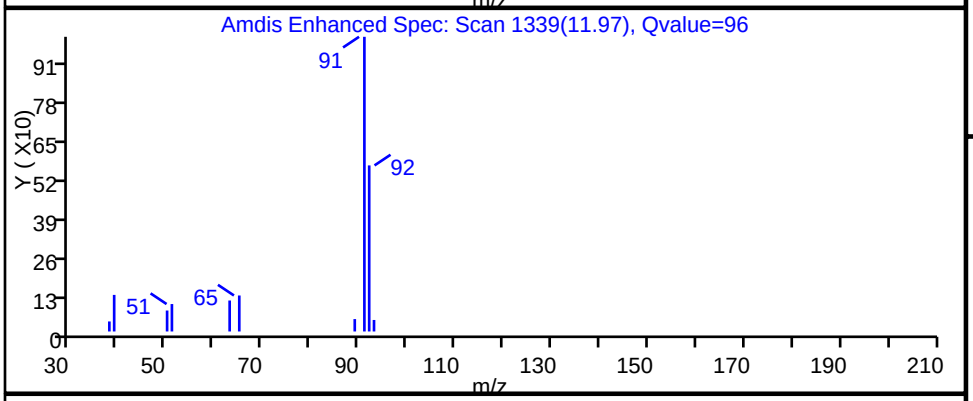
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D

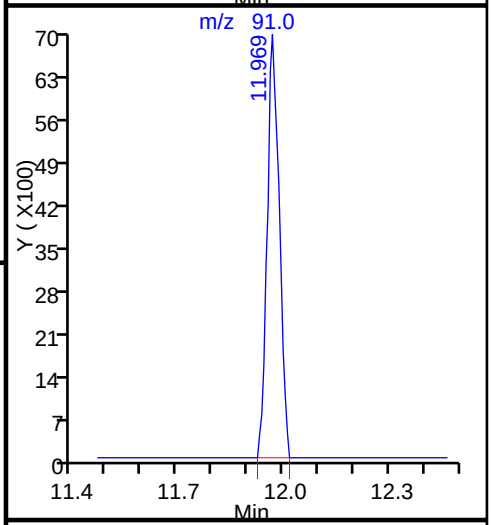
Injection Date:	18-Dec-2015 03:46:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-5-B	Lab Sample ID:	480-92744-5
Client ID:	B20-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

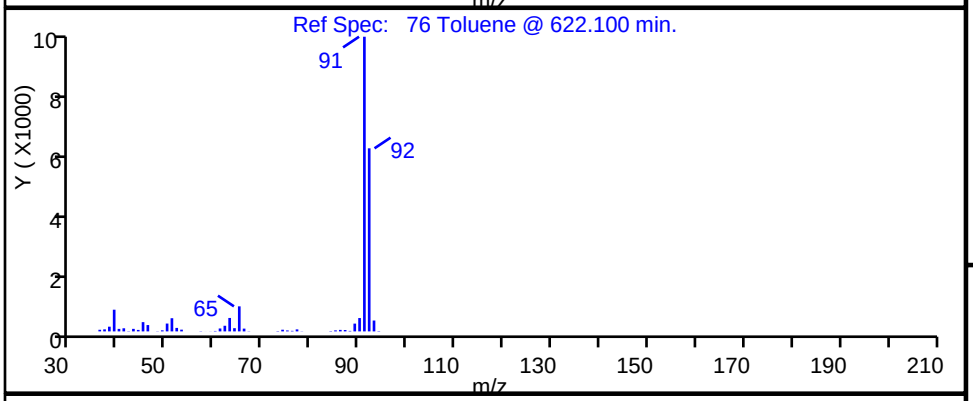
76 Toluene, CAS: 108-88-3

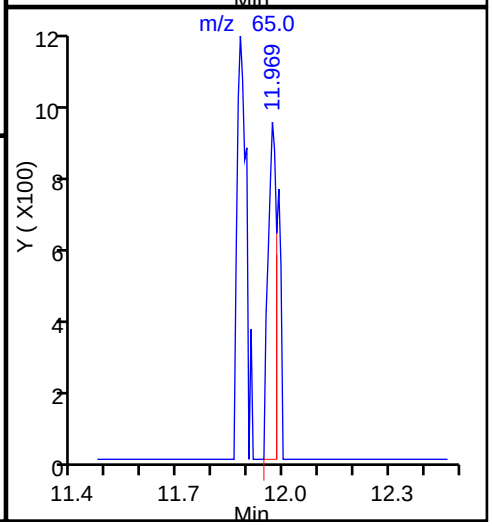


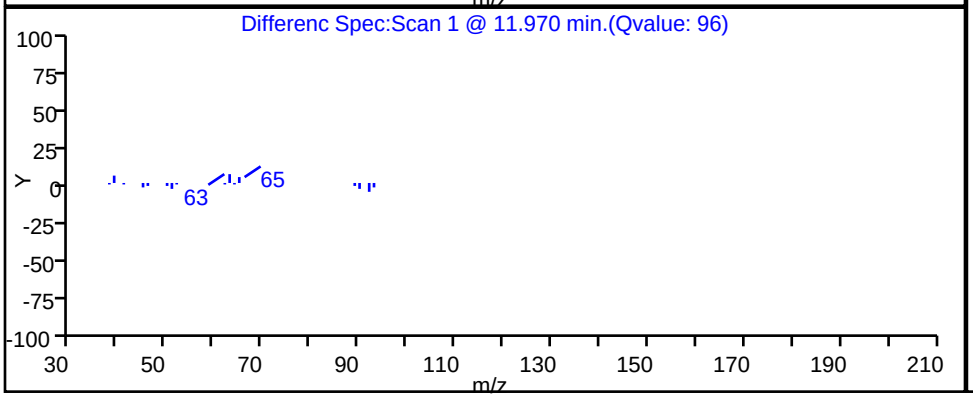








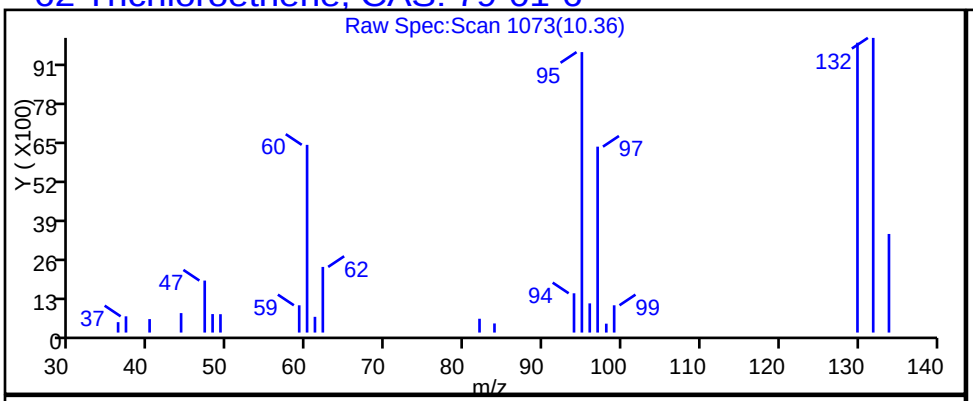


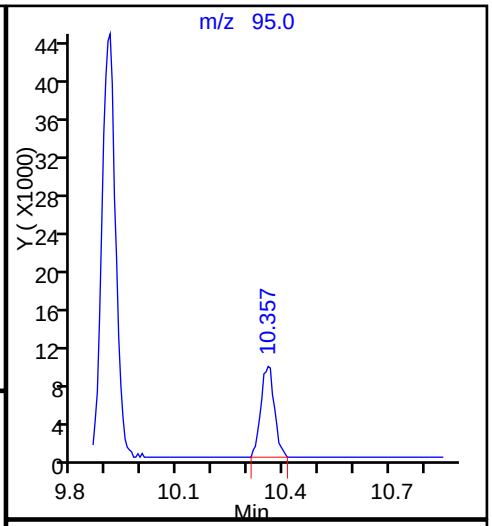


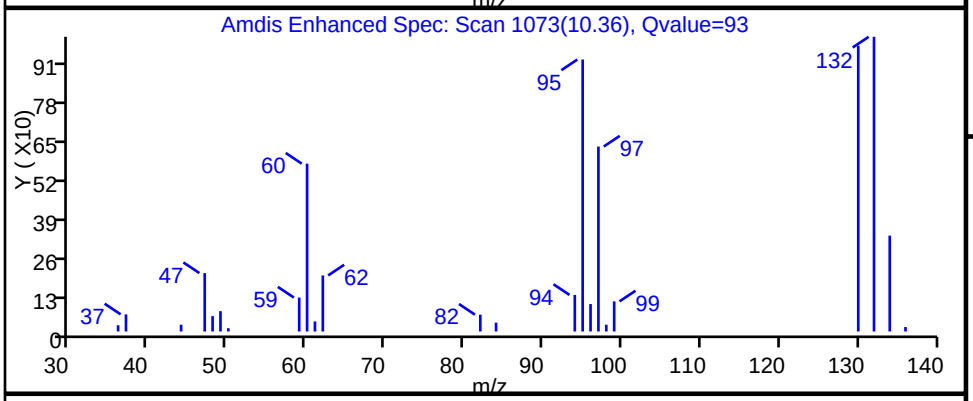
TestAmerica Buffalo

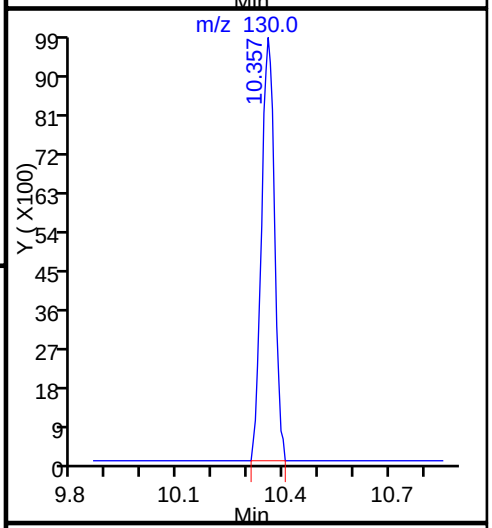
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D				
Injection Date:	18-Dec-2015 03:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-5-B	Lab Sample ID:	480-92744-5		
Client ID:	B20-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

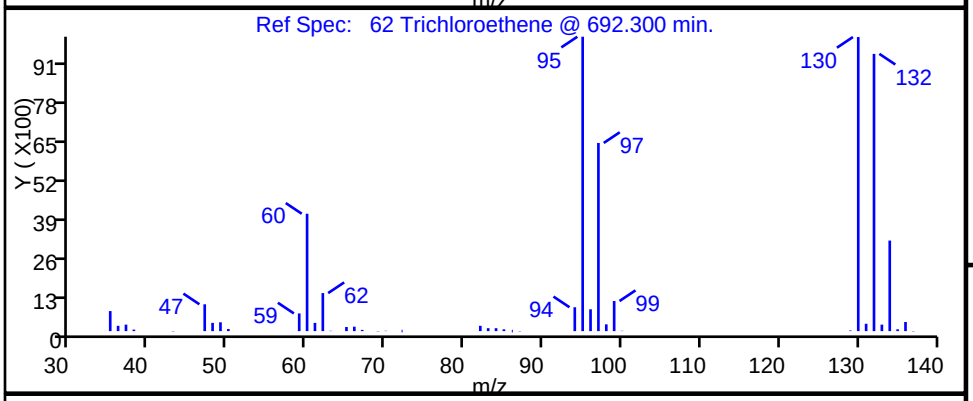
62 Trichloroethene, CAS: 79-01-6

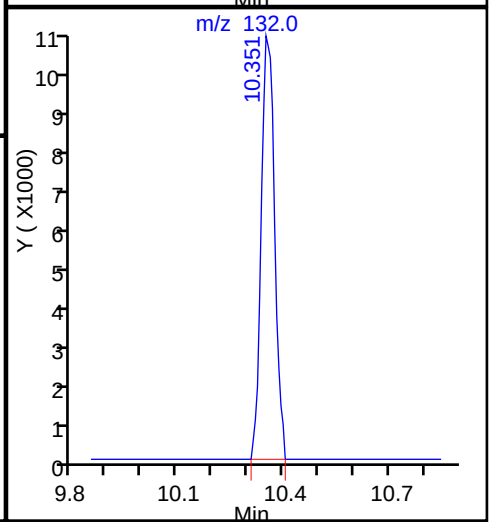


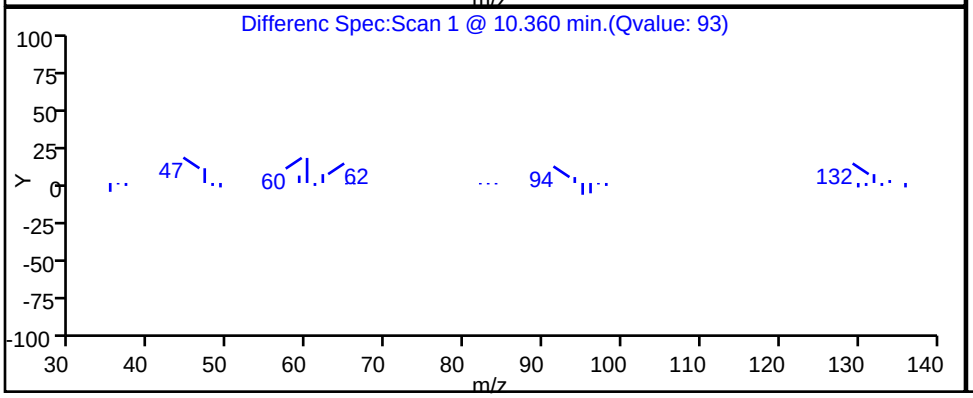












Manual Integration/User Assign Peak Report

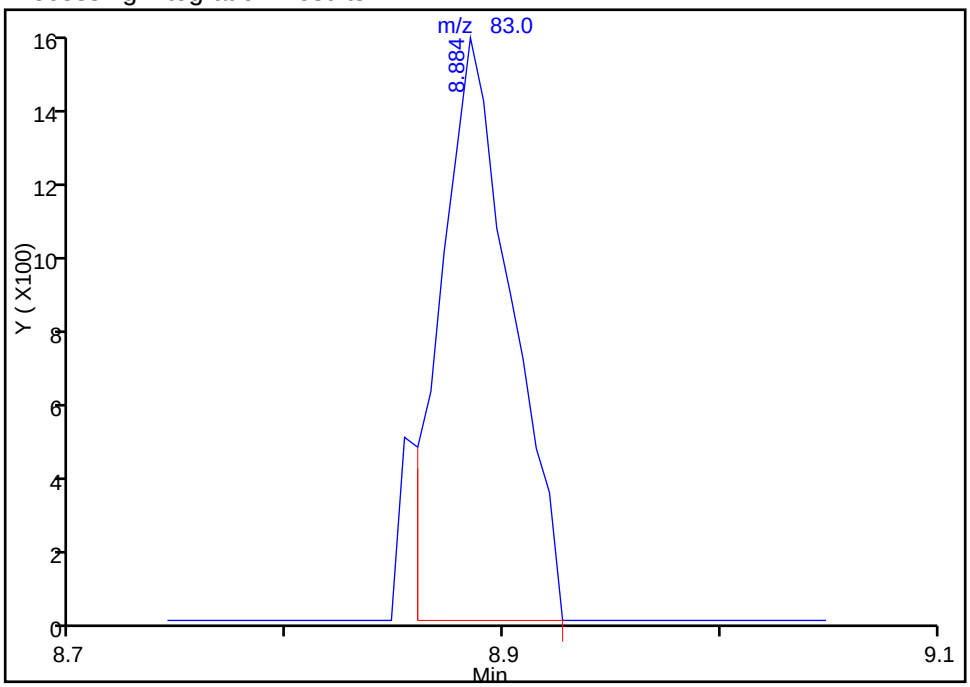
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2478.D				
Injection Date:	18-Dec-2015 03:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-5-B	Lab Sample ID:	480-92744-5		
Client ID:	B20-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

49 Chloroform, CAS: 67-66-3

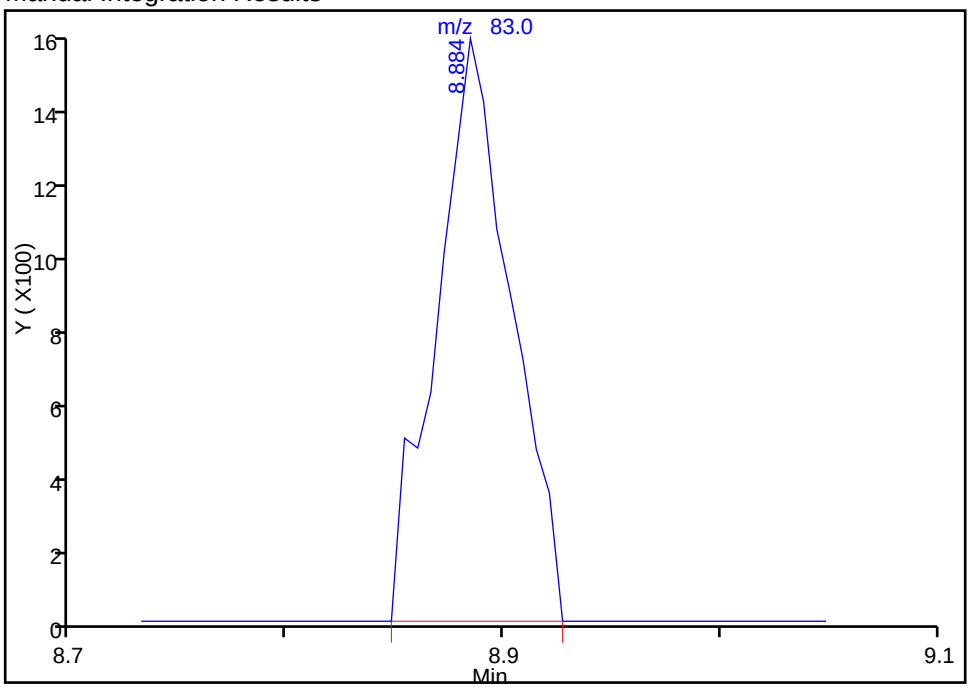
Processing Integration Results

RT: 8.88
Area: 3610
Amount: 0.226542
Amount Units: ug/L



Manual Integration Results

RT: 8.88
Area: 3792
Amount: 0.237963
Amount Units: ug/L



Reviewer: diasn, 19-Dec-2015 00:46:46
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B20-POLEBARN-S2 | Lab Sample ID: 480-92744-6

Matrix: Solid | Lab File ID: P2479.D

Analysis Method: 8260C | Date Collected: 12/14/2015 13:50

Sample wt/vol: 0.52(g) | Date Analyzed: 12/18/2015 04:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 3.6 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	3.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	8.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	11
79-00-5	1,1,2-Trichloroethane	ND		50	6.5
75-34-3	1,1-Dichloroethane	360		50	6.1
75-35-4	1,1-Dichloroethene	ND		50	6.1
120-82-1	1,2,4-Trichlorobenzene	ND		50	3.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	25
106-93-4	1,2-Dibromoethane	ND		50	6.4
95-50-1	1,2-Dichlorobenzene	ND		50	3.9
107-06-2	1,2-Dichloroethane	ND		50	2.5
78-87-5	1,2-Dichloropropane	ND		50	25
541-73-1	1,3-Dichlorobenzene	ND		50	2.6
106-46-7	1,4-Dichlorobenzene	ND		50	7.0
78-93-3	2-Butanone (MEK)	ND		250	18
591-78-6	2-Hexanone	ND		250	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	16
67-64-1	Acetone	ND		250	42
71-43-2	Benzene	ND		50	2.4
75-27-4	Bromodichloromethane	ND		50	6.7
75-25-2	Bromoform	ND		50	25
74-83-9	Bromomethane	ND		50	4.5
75-15-0	Carbon disulfide	ND		50	25
56-23-5	Carbon tetrachloride	ND		50	4.8
108-90-7	Chlorobenzene	ND		50	6.6
75-00-3	Chloroethane	ND		50	11
67-66-3	Chloroform	ND		50	3.1
74-87-3	Chloromethane	ND		50	3.0
156-59-2	cis-1,2-Dichloroethene	1500		50	6.4
10061-01-5	cis-1,3-Dichloropropene	ND		50	7.2
110-82-7	Cyclohexane	ND		50	7.0
124-48-1	Dibromochloromethane	ND		50	6.4
75-71-8	Dichlorodifluoromethane	ND		50	4.1
100-41-4	Ethylbenzene	ND		50	3.4
98-82-8	Isopropylbenzene	ND		50	7.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B20-POLEBARN-S2 | Lab Sample ID: 480-92744-6

Matrix: Solid | Lab File ID: P2479.D

Analysis Method: 8260C | Date Collected: 12/14/2015 13:50

Sample wt/vol: 0.52(g) | Date Analyzed: 12/18/2015 04:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 3.6 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		50	30
1634-04-4	Methyl tert-butyl ether	ND		50	4.9
108-87-2	Methylcyclohexane	ND		50	7.6
75-09-2	Methylene Chloride	ND		50	23
100-42-5	Styrene	ND		50	2.5
127-18-4	Tetrachloroethene	ND		50	6.7
108-88-3	Toluene	ND		50	3.8
156-60-5	trans-1,2-Dichloroethene	ND		50	5.1
10061-02-6	trans-1,3-Dichloropropene	ND		50	22
79-01-6	Trichloroethene	ND		50	11
75-69-4	Trichlorofluoromethane	ND		50	4.7
75-01-4	Vinyl chloride	ND		50	6.1
1330-20-7	Xylenes, Total	ND		100	8.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	88		72-126
2037-26-5	Toluene-d8 (Surr)	106		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2479.D
Lims ID: 480-92744-A-6-B Lab Sample ID: 480-92744-6
Client ID: B20-POLEBARN-S2
Sample Type: Client
Inject. Date: 18-Dec-2015 04:13:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-6-B
Misc. Info.: 480-0049361-010
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:47:31 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:47:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	331962	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	633270	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	488512	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	272413	53.1	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	1470839	53.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	422321	43.8	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43		6.384				ND	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.773	6.767	0.006	100	16546	0.4822	
31 Methylene Chloride	84		6.980				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63	7.832	7.820	0.012	97	749160	36.1	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.519	0.012	85	1558459	153.8	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95		10.351				ND	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

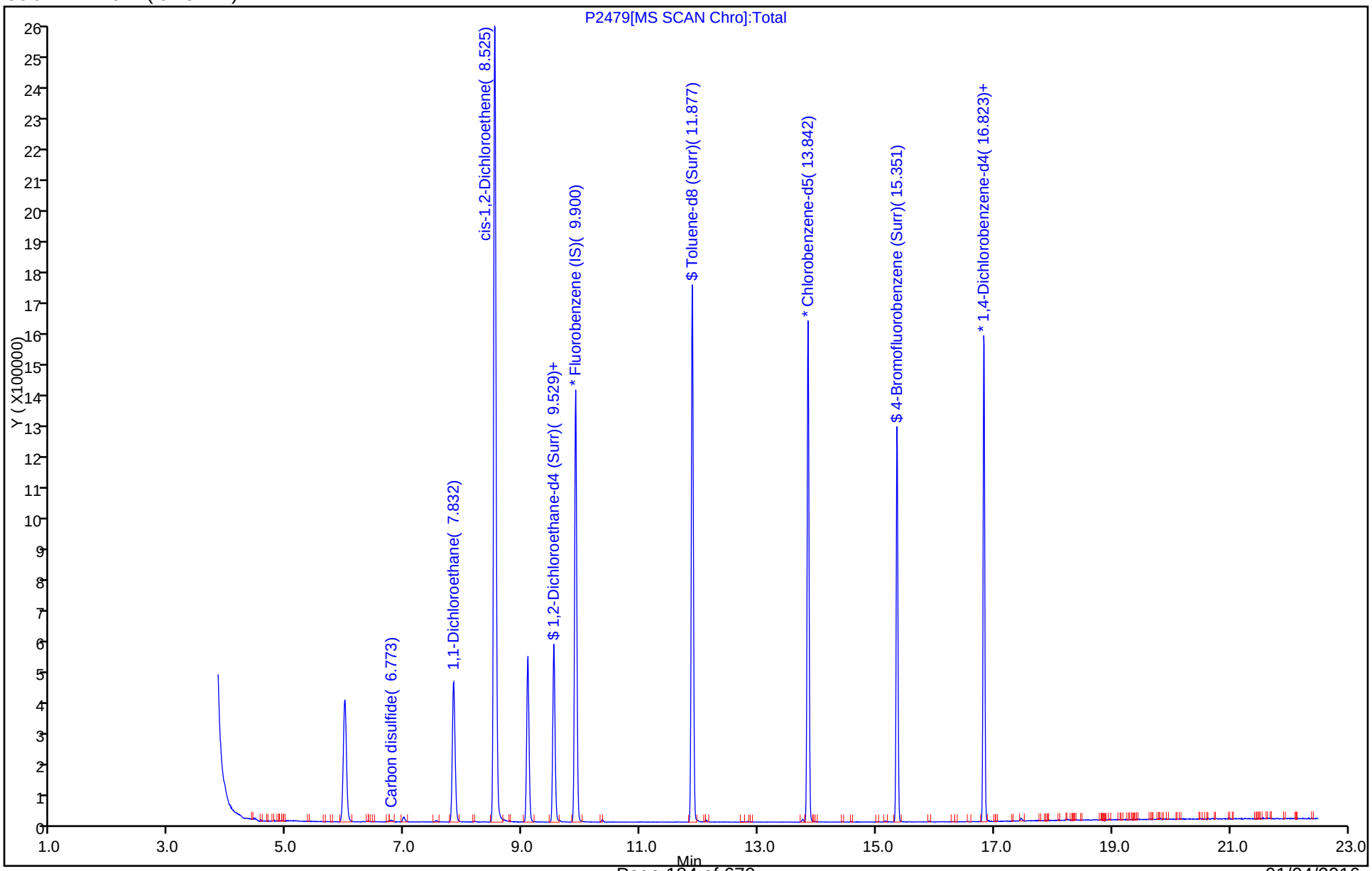
Report Date: 19-Dec-2015 00:47:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2479.D

Injection Date:	18-Dec-2015 04:13:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-6-B	Lab Sample ID:	480-92744-6	Worklist Smp#:	10
Client ID:	B20-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

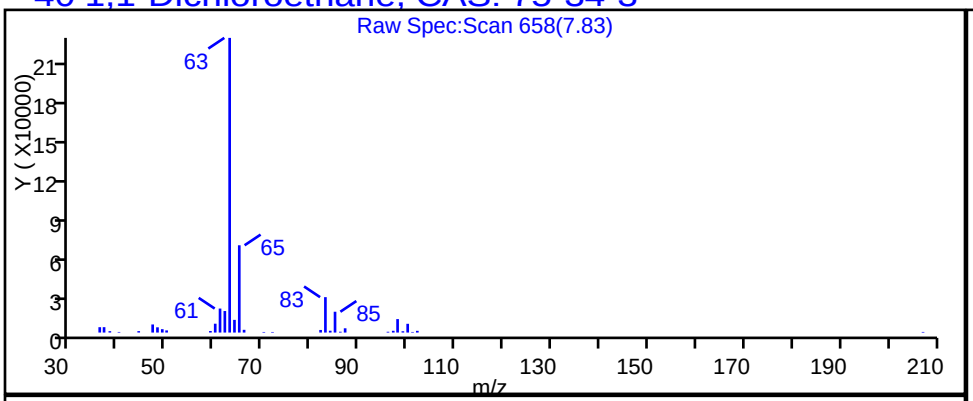


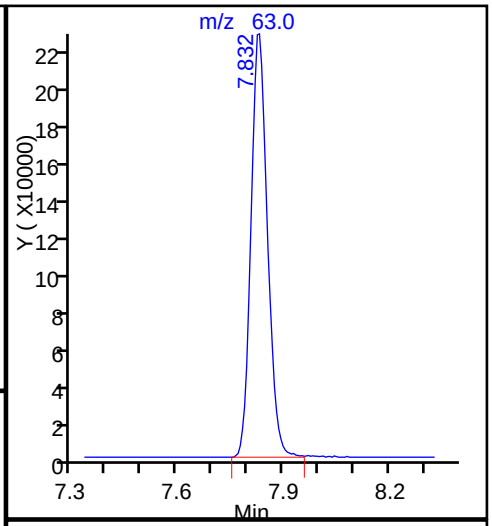
TestAmerica Buffalo

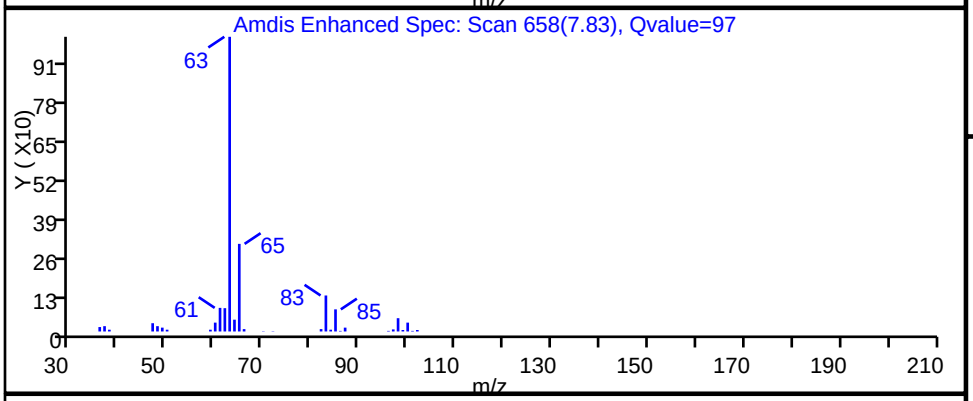
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2479.D

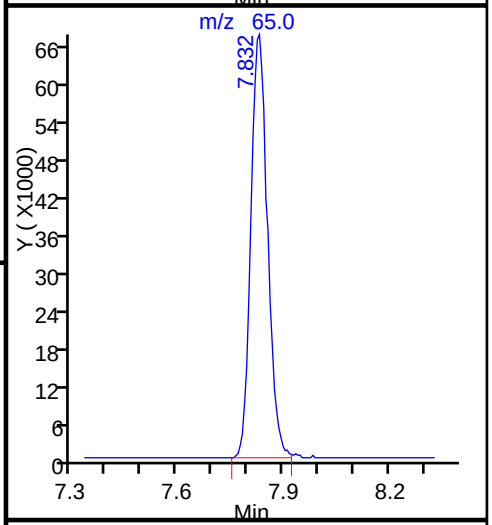
Injection Date:	18-Dec-2015 04:13:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-6-B	Lab Sample ID:	480-92744-6
Client ID:	B20-POLEBARN-S2		
Operator ID:	NMD	ALS Bottle#:	10 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

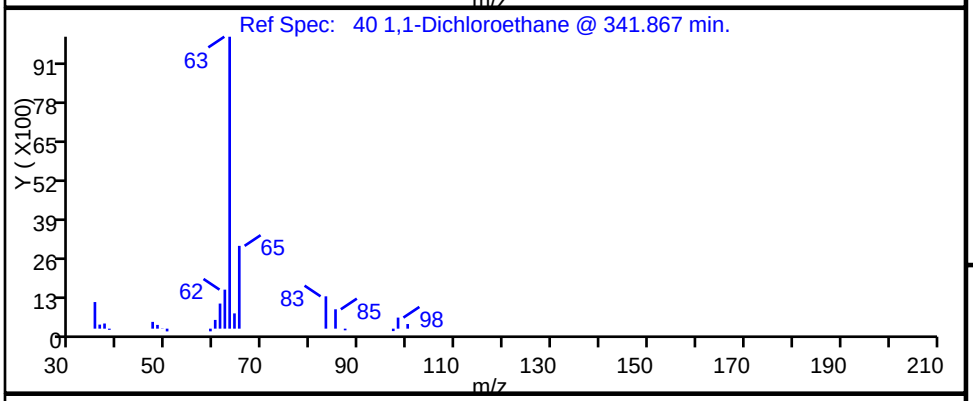
40 1,1-Dichloroethane, CAS: 75-34-3

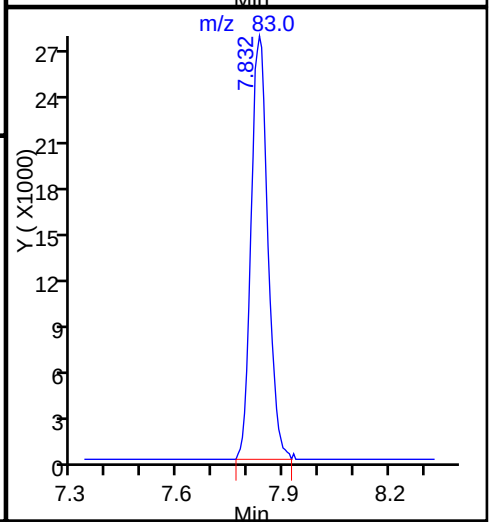


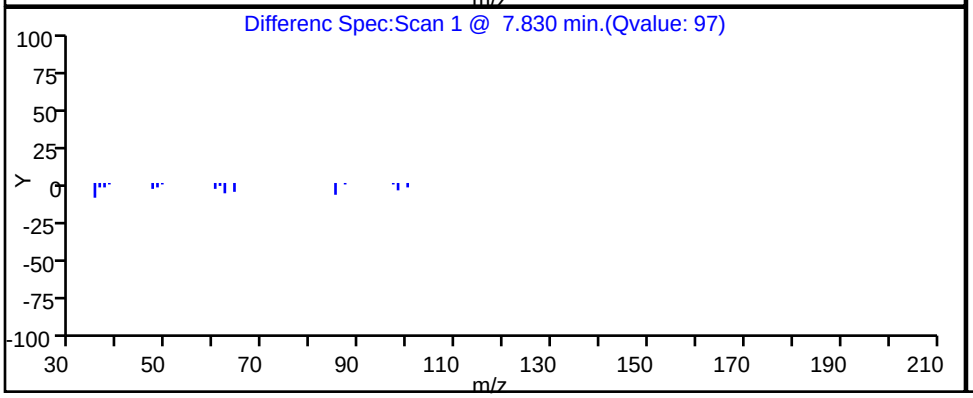












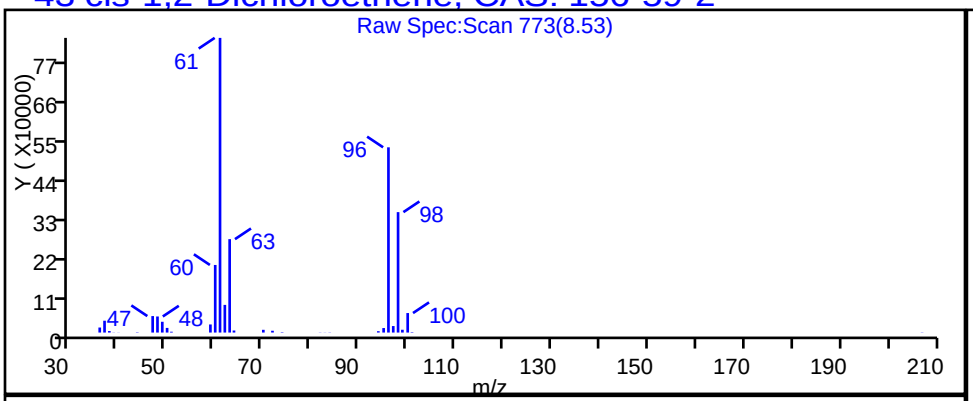
Report Date: 19-Dec-2015 00:47:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

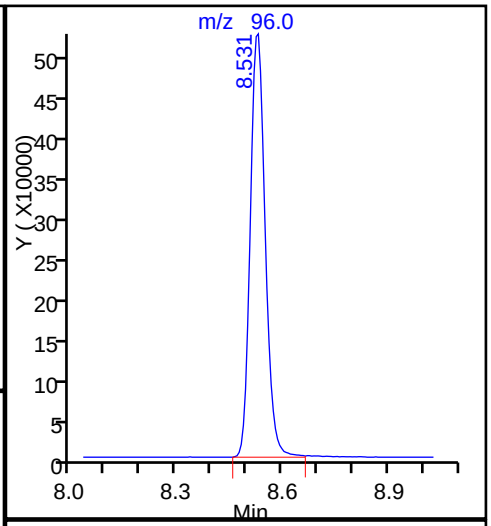
TestAmerica Buffalo

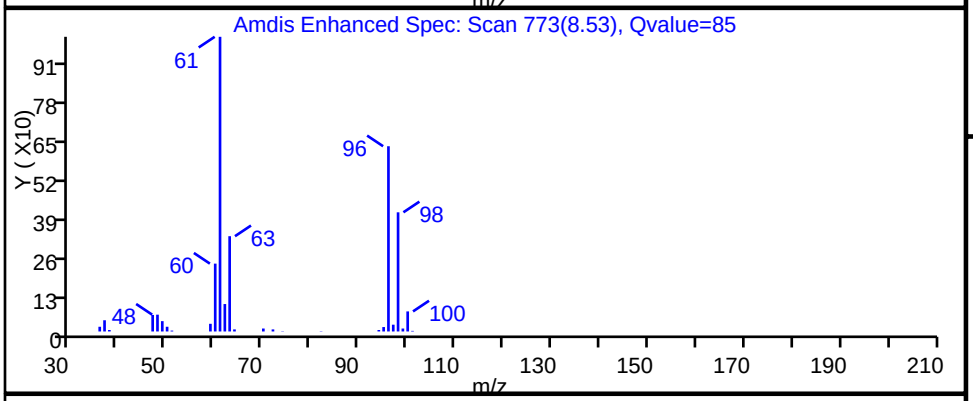
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2479.D

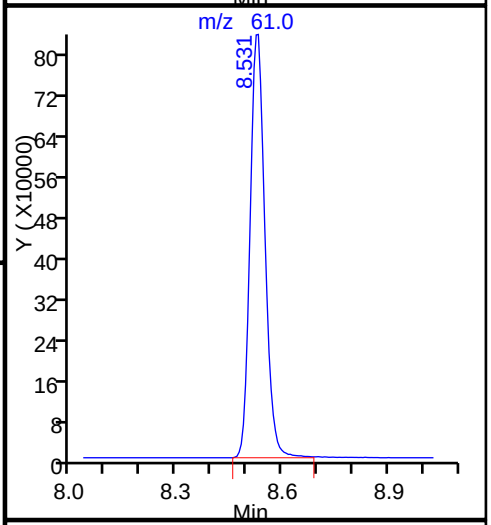
Injection Date:	18-Dec-2015 04:13:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-6-B	Lab Sample ID:	480-92744-6		
Client ID:	B20-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

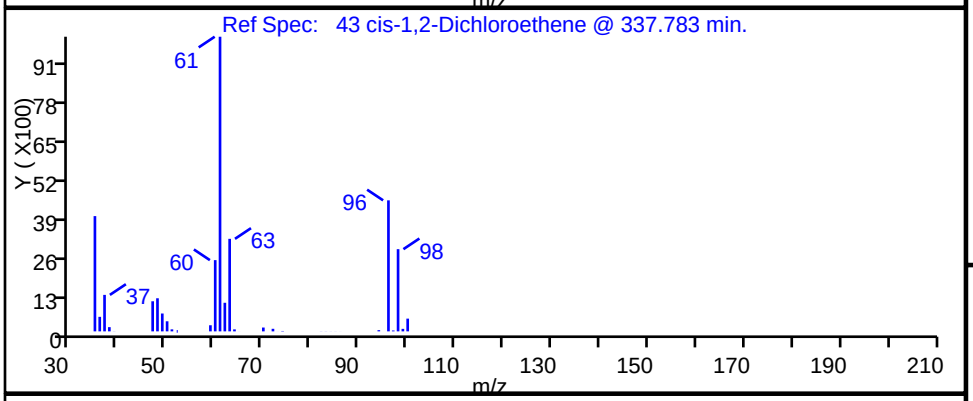
43 cis-1,2-Dichloroethene, CAS: 156-59-2

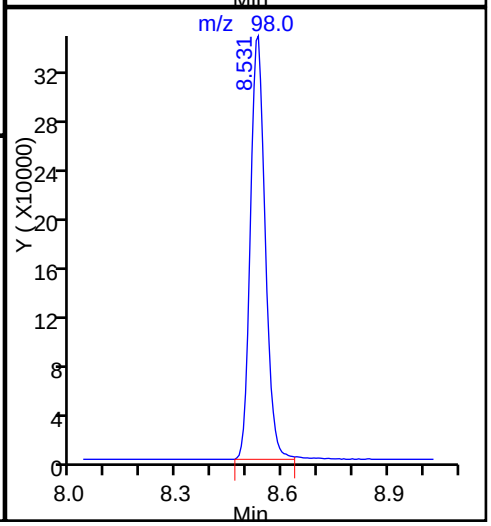


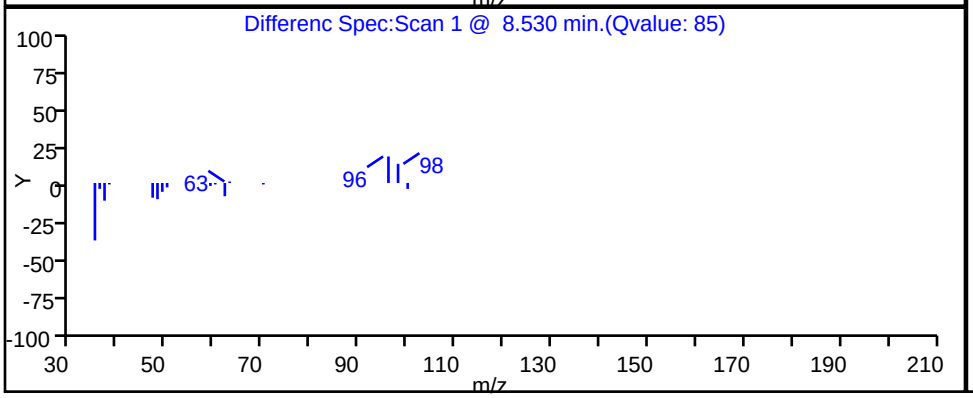












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B20-POLEBARN-S3 | Lab Sample ID: 480-92744-7

Matrix: Solid | Lab File ID: P2480.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:00

Sample wt/vol: 5.02(g) | Date Analyzed: 12/18/2015 04:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.9	0.96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.4
79-00-5	1,1,2-Trichloroethane	ND	*	5.9	0.77
75-34-3	1,1-Dichloroethane	ND		5.9	0.72
75-35-4	1,1-Dichloroethene	ND		5.9	0.72
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.9	3.0
106-93-4	1,2-Dibromoethane	ND	*	5.9	0.76
95-50-1	1,2-Dichlorobenzene	ND	*	5.9	0.46
107-06-2	1,2-Dichloroethane	ND		5.9	0.30
78-87-5	1,2-Dichloropropane	ND		5.9	3.0
541-73-1	1,3-Dichlorobenzene	ND	*	5.9	0.30
106-46-7	1,4-Dichlorobenzene	ND	*	5.9	0.83
78-93-3	2-Butanone (MEK)	ND		30	2.2
591-78-6	2-Hexanone	ND	*	30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	30	1.9
67-64-1	Acetone	51	B	30	5.0
71-43-2	Benzene	ND		5.9	0.29
75-27-4	Bromodichloromethane	ND		5.9	0.79
75-25-2	Bromoform	ND	*	5.9	3.0
74-83-9	Bromomethane	ND		5.9	0.53
75-15-0	Carbon disulfide	ND		5.9	3.0
56-23-5	Carbon tetrachloride	ND		5.9	0.57
108-90-7	Chlorobenzene	ND	*	5.9	0.78
75-00-3	Chloroethane	ND		5.9	1.3
67-66-3	Chloroform	ND		5.9	0.37
74-87-3	Chloromethane	ND		5.9	0.36
156-59-2	cis-1,2-Dichloroethene	ND		5.9	0.76
10061-01-5	cis-1,3-Dichloropropene	ND		5.9	0.85
110-82-7	Cyclohexane	ND		5.9	0.83
124-48-1	Dibromochloromethane	ND	*	5.9	0.76
75-71-8	Dichlorodifluoromethane	ND		5.9	0.49
100-41-4	Ethylbenzene	ND	*	5.9	0.41
98-82-8	Isopropylbenzene	ND	*	5.9	0.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B20-POLEBARN-S3 | Lab Sample ID: 480-92744-7

Matrix: Solid | Lab File ID: P2480.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:00

Sample wt/vol: 5.02(g) | Date Analyzed: 12/18/2015 04:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.9 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.9	3.6
1634-04-4	Methyl tert-butyl ether	ND		5.9	0.58
108-87-2	Methylcyclohexane	ND		5.9	0.90
75-09-2	Methylene Chloride	ND		5.9	2.7
100-42-5	Styrene	ND	*	5.9	0.30
127-18-4	Tetrachloroethene	ND	*	5.9	0.79
108-88-3	Toluene	ND	*	5.9	0.45
156-60-5	trans-1,2-Dichloroethene	ND		5.9	0.61
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.9	2.6
79-01-6	Trichloroethene	ND		5.9	1.3
75-69-4	Trichlorofluoromethane	ND		5.9	0.56
75-01-4	Vinyl chloride	ND		5.9	0.72
1330-20-7	Xylenes, Total	ND		12	0.99

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-126
460-00-4	4-Bromofluorobenzene (Surr)	47	X *	72-126
2037-26-5	Toluene-d8 (Surr)	129	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2480.D
Lims ID: 480-92744-A-7-B Lab Sample ID: 480-92744-7
Client ID: B20-POLEBARN-S3
Sample Type: Client
Inject. Date: 18-Dec-2015 04:40:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-7-B
Misc. Info.: 480-0049361-011
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:47:31 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:48:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.907	9.900	0.007	98	270357	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	332647	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	112021	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	230844	55.2	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	94	936277	64.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	119303	23.5	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299				ND	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43	6.396	6.384	0.012	98	132723	42.8	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.749	6.767	-0.018	97	19937	0.7135	
31 Methylene Chloride	84		6.980				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63		7.820				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96		8.519				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.351	10.351	0.000	80	2312	0.2864	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

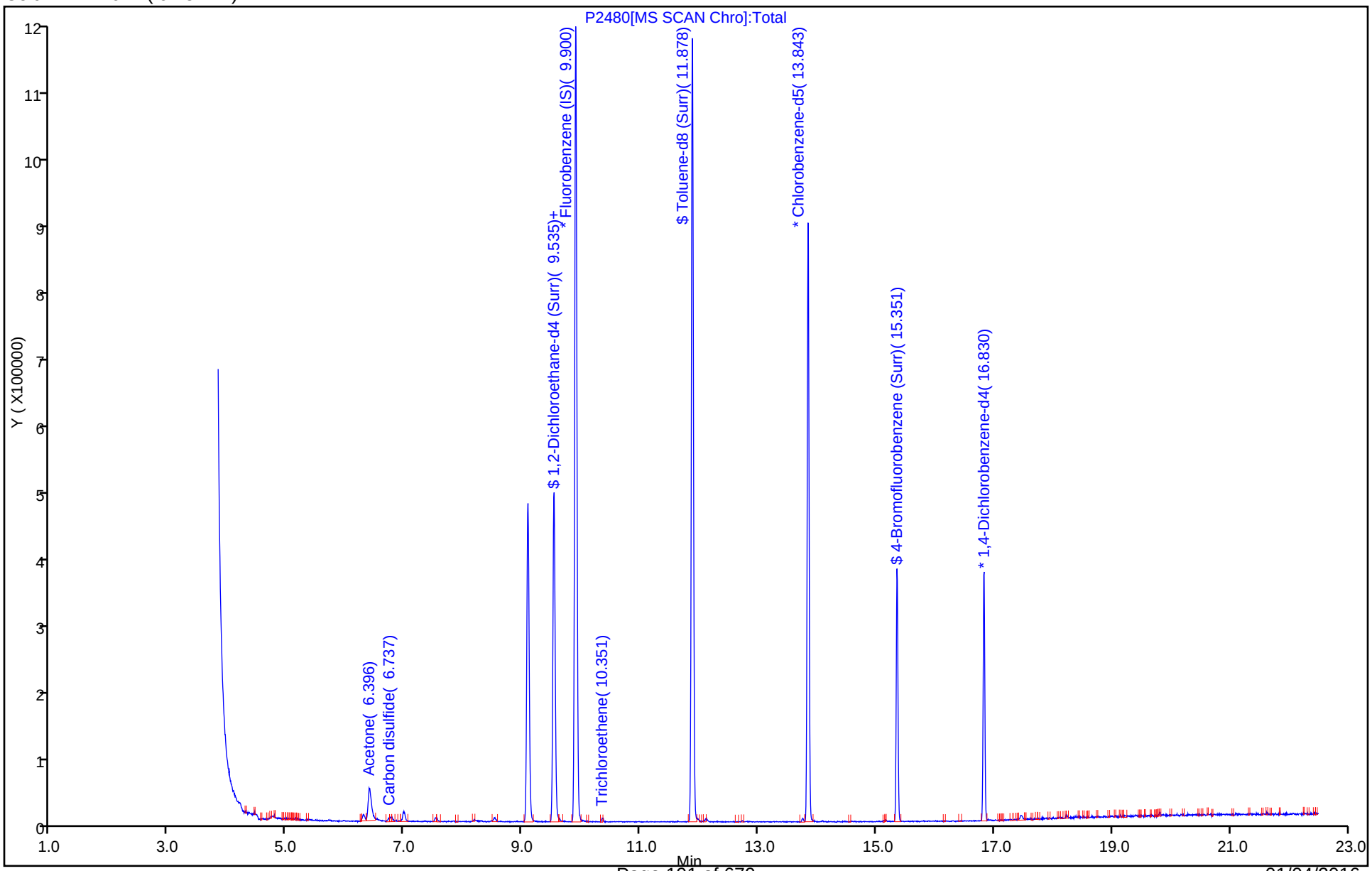
Report Date: 19-Dec-2015 00:48:46 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2480.D

Injection Date:	18-Dec-2015 04:40:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-7-B	Lab Sample ID:	480-92744-7	Worklist Smp#:	11
Client ID:	B20-POLEBARN-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

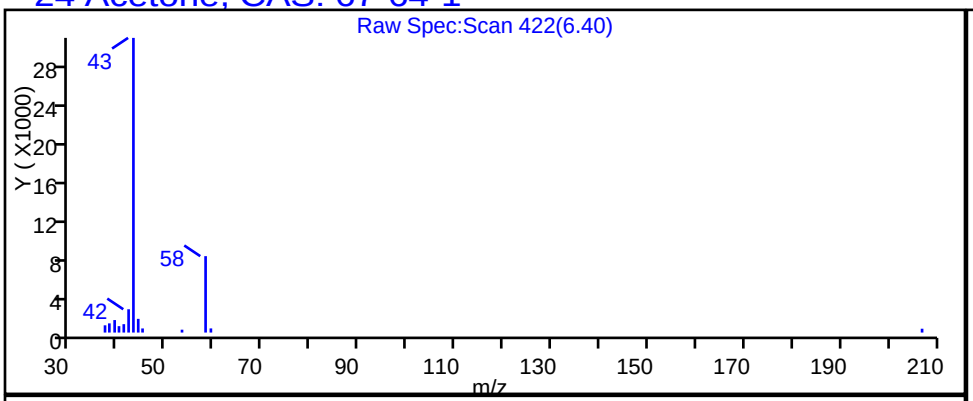


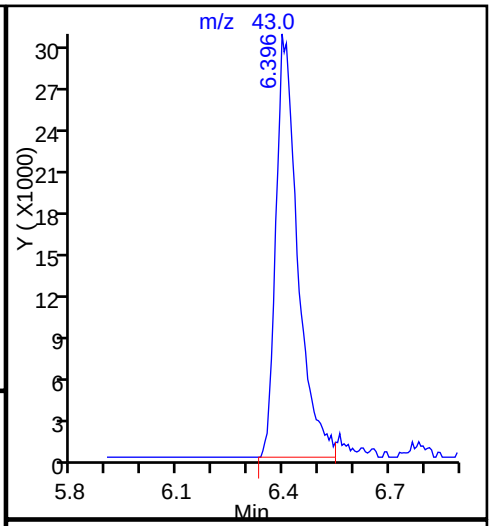
TestAmerica Buffalo

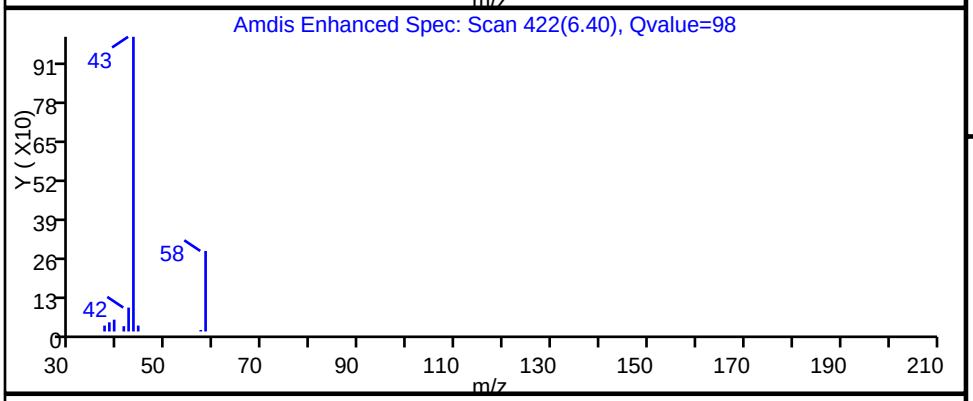
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2480.D

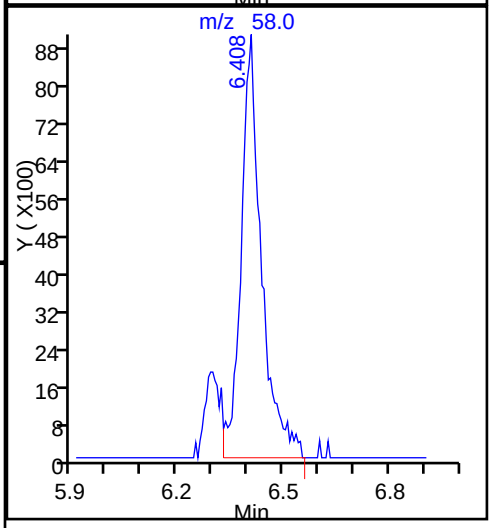
Injection Date:	18-Dec-2015 04:40:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-7-B	Lab Sample ID:	480-92744-7
Client ID:	B20-POLEBARN-S3		
Operator ID:	NMD	ALS Bottle#:	11 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

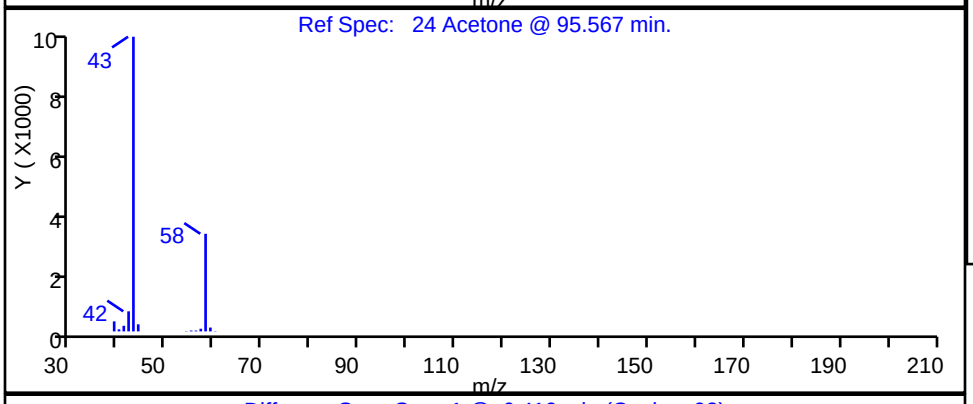
24 Acetone, CAS: 67-64-1

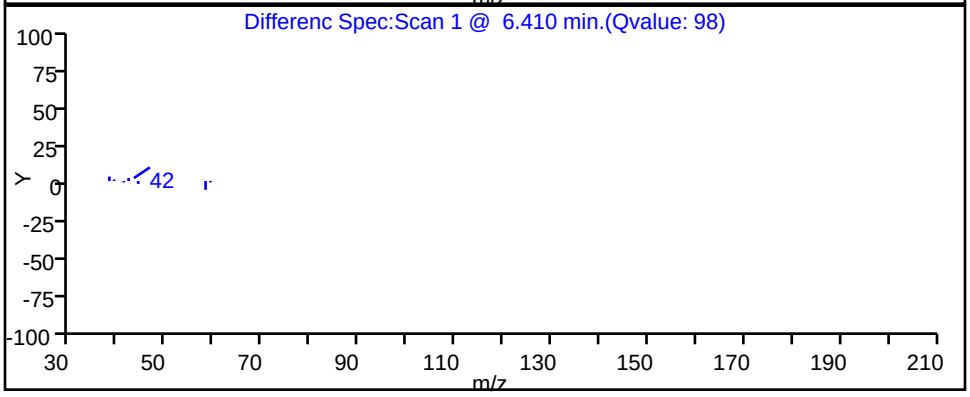












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B21-POLEBARN-S1 | Lab Sample ID: 480-92744-8

Matrix: Solid | Lab File ID: P2481.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:30

Sample wt/vol: 5.01(g) | Date Analyzed: 12/18/2015 05:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.4	0.71
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.4	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND	*	5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.53
108-90-7	Chlorobenzene	ND	*	5.4	0.72
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.34
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND	*	5.4	0.70
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND	*	5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B21-POLEBARN-S1 | Lab Sample ID: 480-92744-8

Matrix: Solid | Lab File ID: P2481.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:30

Sample wt/vol: 5.01(g) | Date Analyzed: 12/18/2015 05:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.83
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND	*	5.4	0.27
127-18-4	Tetrachloroethene	ND	*	5.4	0.73
108-88-3	Toluene	ND	*	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-126
460-00-4	4-Bromofluorobenzene (Surr)	43	X *	72-126
2037-26-5	Toluene-d8 (Surr)	130	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2481.D
Lims ID: 480-92744-A-8-B Lab Sample ID: 480-92744-8
Client ID: B21-POLEBARN-S1
Sample Type: Client
Inject. Date: 18-Dec-2015 05:08:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-8-B
Misc. Info.: 480-0049361-012
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:50:21 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:50:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.906	9.900	0.006	98	272956	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	316778	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	95538	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	231702	54.9	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	94	900665	65.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	103965	21.5	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	90	6959	0.7649	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43	6.408	6.384	0.024	68	6409	2.05	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.773	6.767	0.006	60	6244	0.2213	
31 Methylene Chloride	84		6.980				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63		7.820				ND	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96		8.519				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.357	10.351	0.006	87	5087	0.6241	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	55	4165	0.3702	M
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.723	0.012	32	1948	0.4510	M
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

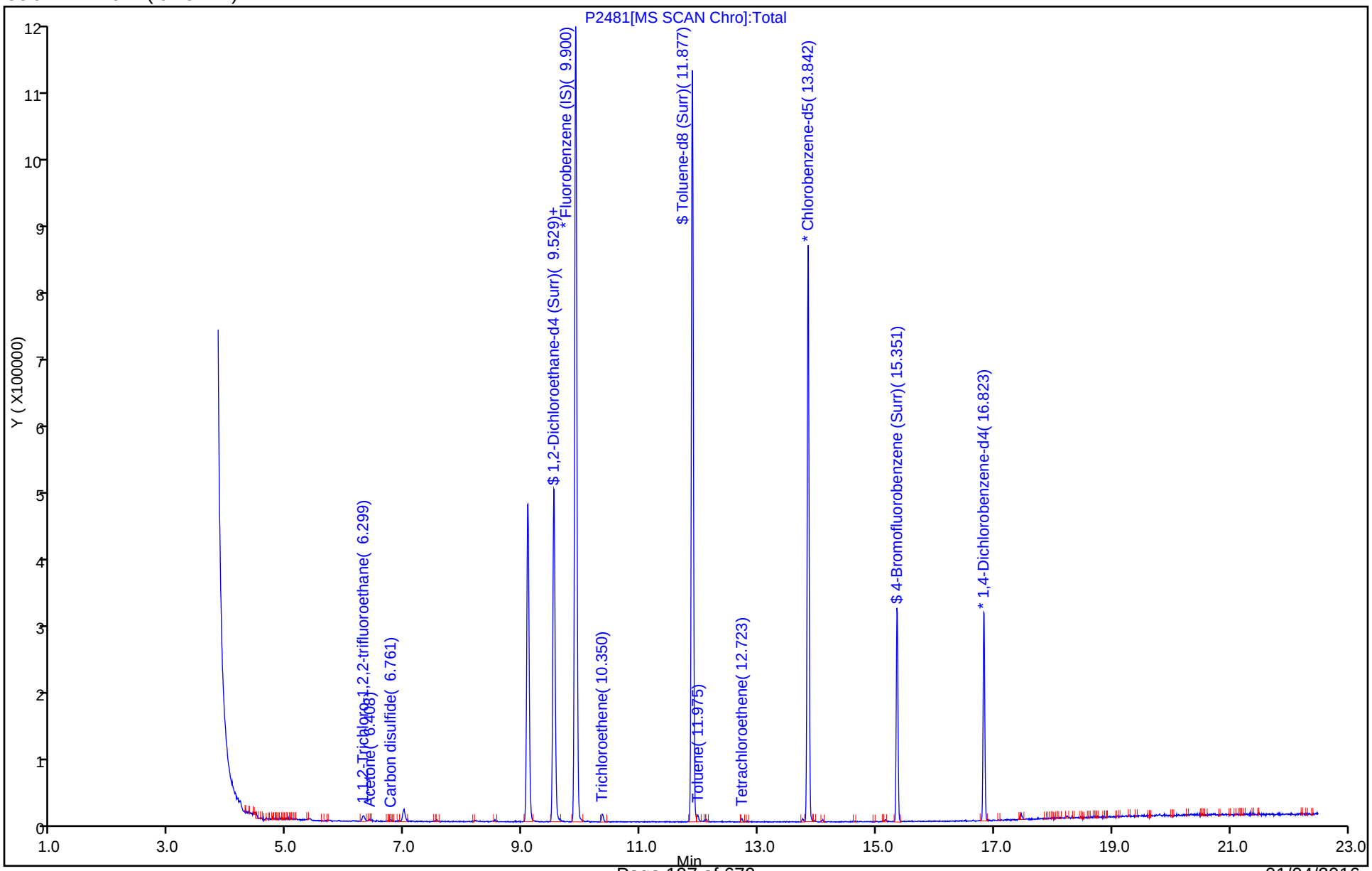
Report Date: 19-Dec-2015 00:50:22 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2481.D

Injection Date:	18-Dec-2015 05:08:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-8-B	Lab Sample ID:	480-92744-8	Worklist Smp#:	12
Client ID:	B21-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

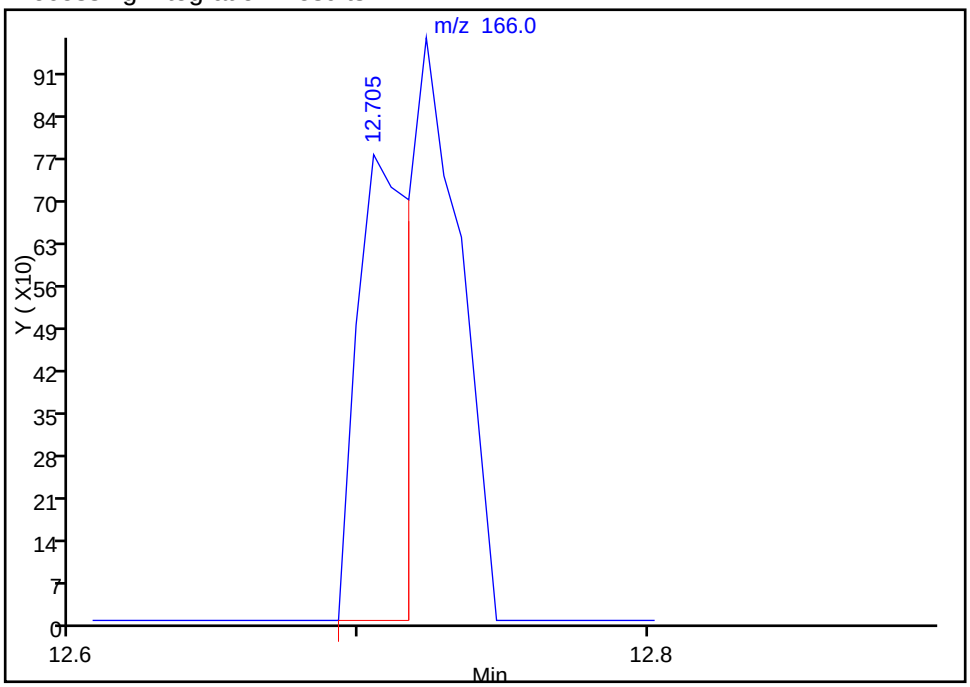
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2481.D				
Injection Date:	18-Dec-2015 05:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-8-B	Lab Sample ID:	480-92744-8		
Client ID:	B21-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

80 Tetrachloroethene, CAS: 127-18-4

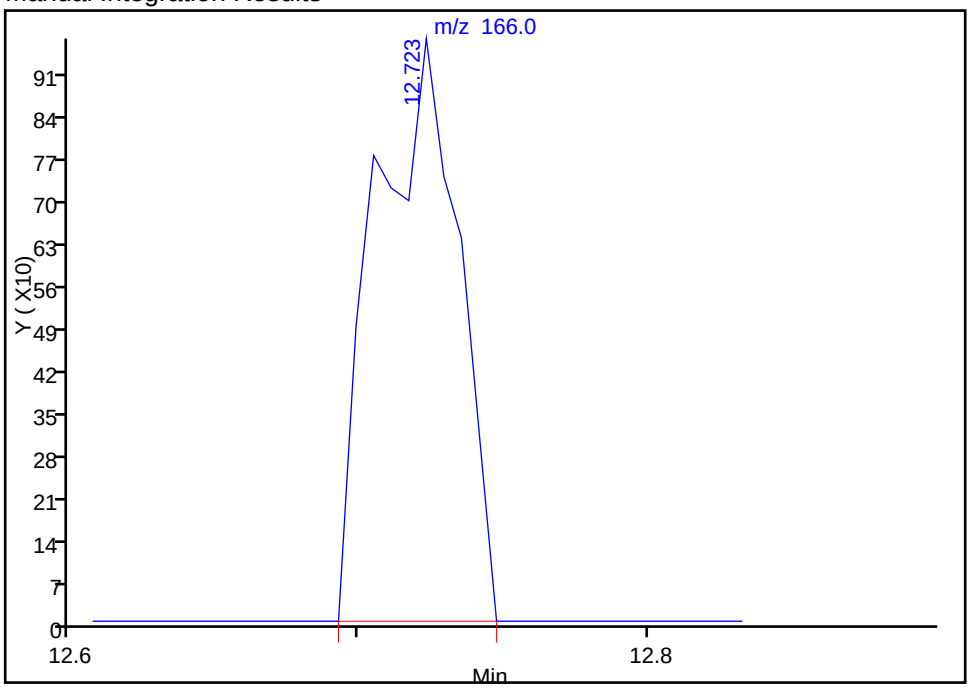
Processing Integration Results

RT: 12.70
Area: 978
Amount: 0.226404
Amount Units: ug/L



Manual Integration Results

RT: 12.72
Area: 1948
Amount: 0.450956
Amount Units: ug/L



Reviewer: diasn, 19-Dec-2015 00:50:21
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

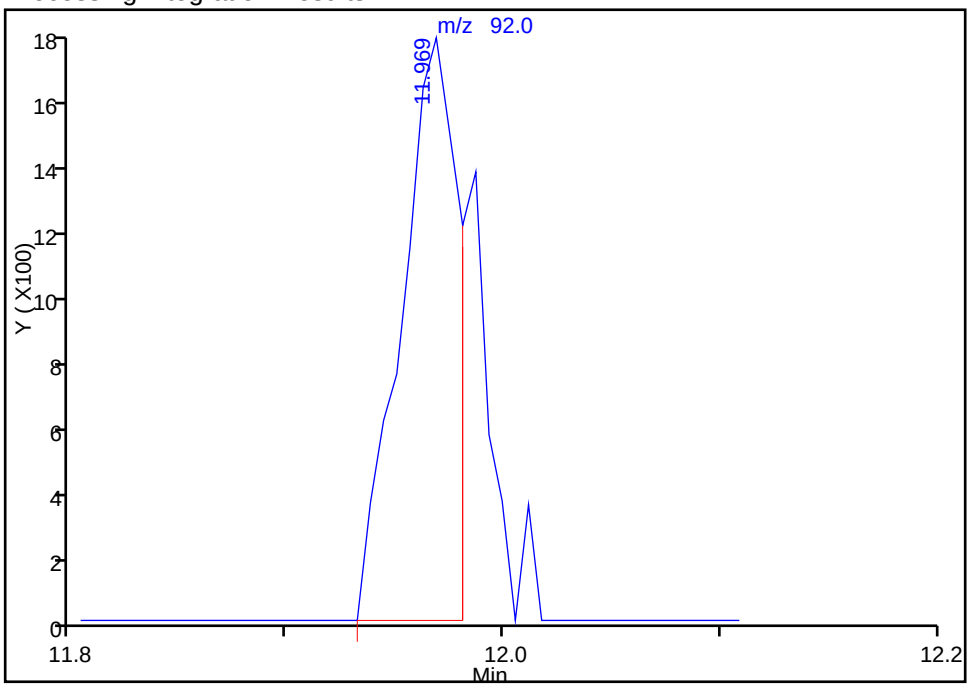
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2481.D				
Injection Date:	18-Dec-2015 05:08:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-8-B	Lab Sample ID:	480-92744-8		
Client ID:	B21-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

76 Toluene, CAS: 108-88-3

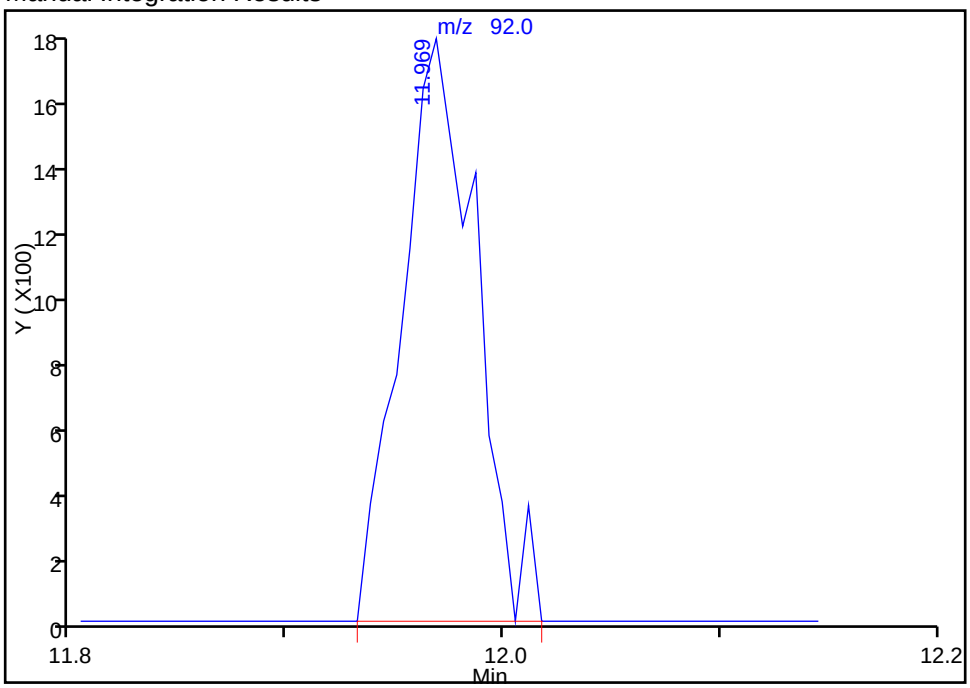
Processing Integration Results

RT: 11.97
Area: 3213
Amount: 0.285585
Amount Units: ug/L



Manual Integration Results

RT: 11.97
Area: 4165
Amount: 0.370202
Amount Units: ug/L



Reviewer: diasn, 19-Dec-2015 00:50:21
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B21-POLEBARN-S2 | Lab Sample ID: 480-92744-9

Matrix: Solid | Lab File ID: P2460.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:45

Sample wt/vol: 5.14(g) | Date Analyzed: 12/17/2015 18:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	ND		5.4	0.65
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B21-POLEBARN-S2 | Lab Sample ID: 480-92744-9

Matrix: Solid | Lab File ID: P2460.D

Analysis Method: 8260C | Date Collected: 12/14/2015 12:45

Sample wt/vol: 5.14(g) | Date Analyzed: 12/17/2015 18:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 9.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.81
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.72
108-88-3	Toluene	ND		5.4	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.65
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
2037-26-5	Toluene-d8 (Surr)	103		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2460.D
Lims ID: 480-92744-A-9-A Lab Sample ID: 480-92744-9
Client ID: B21-POLEBARN-S2
Sample Type: Client
Inject. Date: 17-Dec-2015 18:19:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-9-A
Misc. Info.: 480-0049333-018
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:40:03 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:41:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	322055	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	647382	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	97	573058	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	281219	56.5	
$ 5 Toluene-d8 (Surr)	98	11.883	11.877	0.006	93	1453545	51.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	466765	47.3	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.311				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.408	6.396	0.012	99	9482	2.57	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.779				ND	
31 Methylene Chloride	84		6.986				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63		7.826				ND	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96		8.525				ND	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.356	10.351	0.005	82	2335	0.2428	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.516				ND	
80 Tetrachloroethene	166		12.711				ND	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.004				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

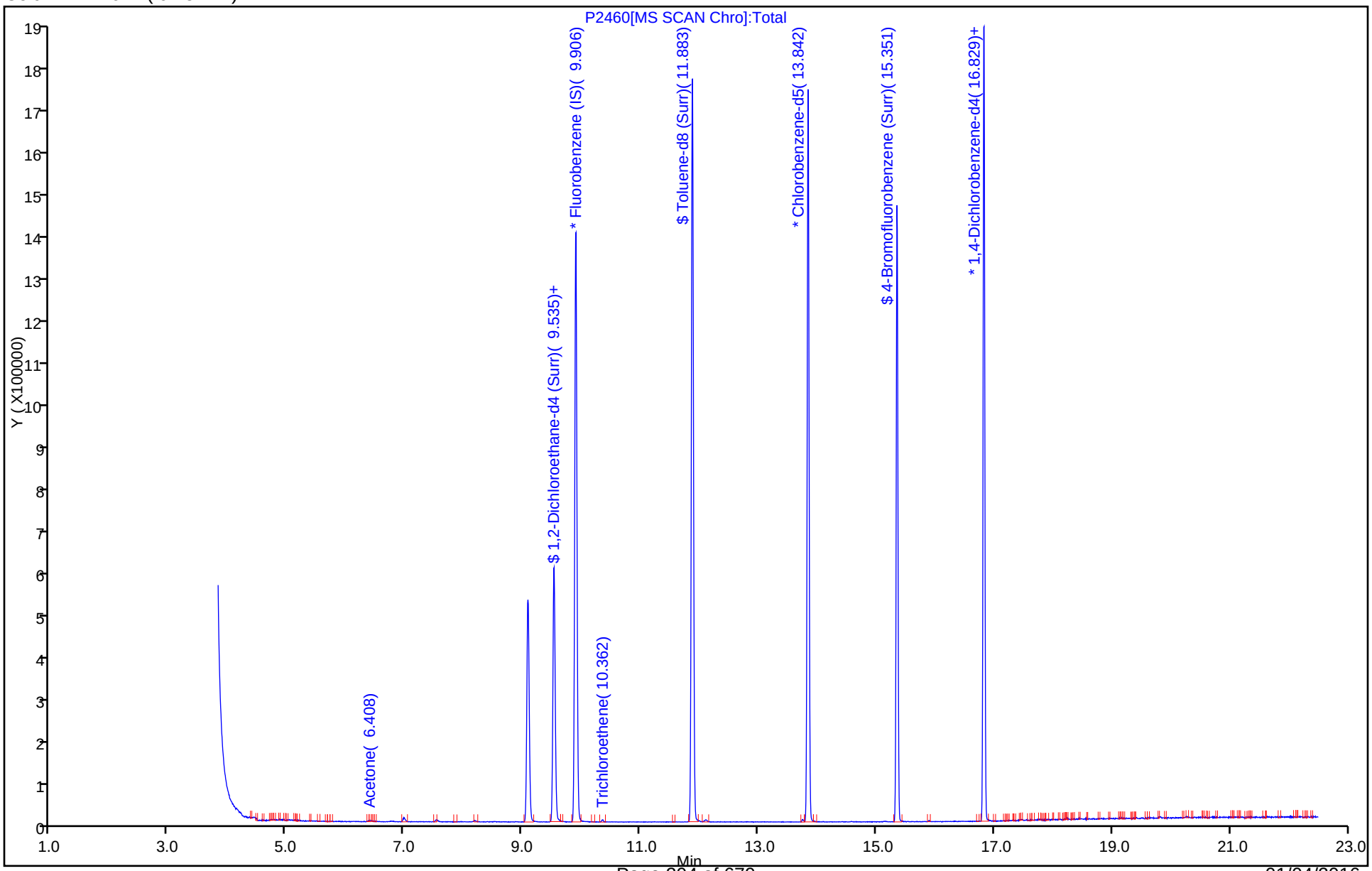
Report Date: 18-Dec-2015 01:41:25 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2460.D

Injection Date:	17-Dec-2015 18:19:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-9-A	Lab Sample ID:	480-92744-9	Worklist Smp#:	18
Client ID:	B21-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S1 | Lab Sample ID: 480-92744-10

Matrix: Solid | Lab File ID: P2482.D

Analysis Method: 8260C | Date Collected: 12/14/2015 16:05

Sample wt/vol: 5.08(g) | Date Analyzed: 12/18/2015 05:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.5	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.72
75-34-3	1,1-Dichloroethane	ND		5.5	0.68
75-35-4	1,1-Dichloroethene	ND		5.5	0.68
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.8
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND	*	5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.8
541-73-1	1,3-Dichlorobenzene	ND	*	5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.5	0.78
78-93-3	2-Butanone (MEK)	ND		28	2.0
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	7.7	J B	28	4.7
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.8
74-83-9	Bromomethane	ND		5.5	0.50
75-15-0	Carbon disulfide	ND		5.5	2.8
56-23-5	Carbon tetrachloride	ND		5.5	0.54
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.3
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	2.5	J	5.5	0.71
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.80
110-82-7	Cyclohexane	ND		5.5	0.78
124-48-1	Dibromochloromethane	ND		5.5	0.71
75-71-8	Dichlorodifluoromethane	ND		5.5	0.46
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND	*	5.5	0.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S1 | Lab Sample ID: 480-92744-10

Matrix: Solid | Lab File ID: P2482.D

Analysis Method: 8260C | Date Collected: 12/14/2015 16:05

Sample wt/vol: 5.08(g) | Date Analyzed: 12/18/2015 05:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.28
127-18-4	Tetrachloroethene	1.5	J	5.5	0.74
108-88-3	Toluene	0.69	J	5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	3.3	J	5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.68
1330-20-7	Xylenes, Total	ND		11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	56	X	72-126
2037-26-5	Toluene-d8 (Surr)	116		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D
Lims ID: 480-92744-A-10-B Lab Sample ID: 480-92744-10
Client ID: B37-POLEBARN-S1
Sample Type: Client
Inject. Date: 18-Dec-2015 05:35:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-10-B
Misc. Info.: 480-0049361-013
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:52:08 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:52:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	283176	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	427634	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	178390	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	232136	53.0	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	1083739	57.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	93	183438	28.2	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62		4.565				ND	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	87	5505	0.5833	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43	6.390	6.384	0.006	96	22423	6.91	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.743	6.743	-0.024	99	33370	1.14	M
31 Methylene Chloride	84	6.980	6.980	0.000	95	28394	1.00	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63	7.832	7.820	0.012	94	10036	0.5665	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.519	0.006	83	19608	2.27	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.350	10.351	-0.001	96	25486	3.01	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	97	9449	0.6221	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	94	7849	1.35	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	14.092	13.946	0.146	90	5567	0.2115	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

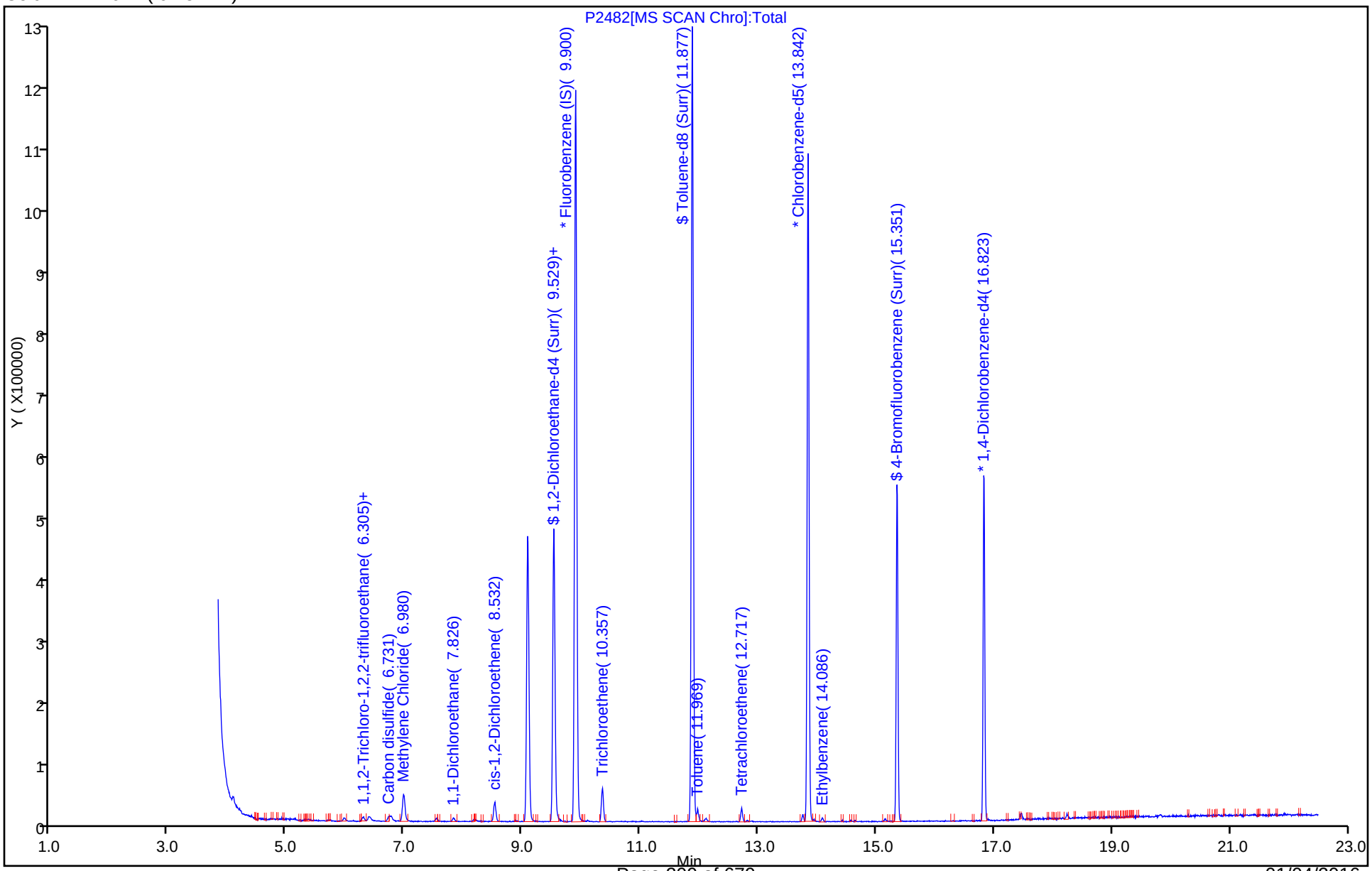
Report Date: 19-Dec-2015 00:52:08 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D

Injection Date:	18-Dec-2015 05:35:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-10-B	Lab Sample ID:	480-92744-10	Worklist Smp#:	13
Client ID:	B37-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

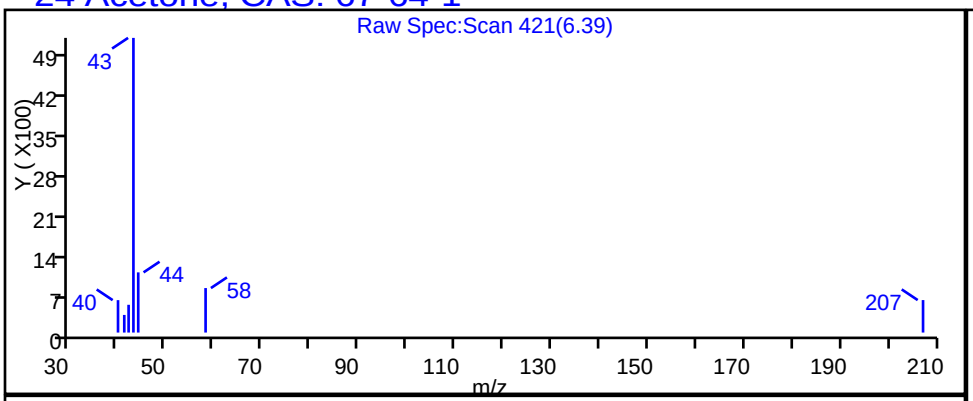


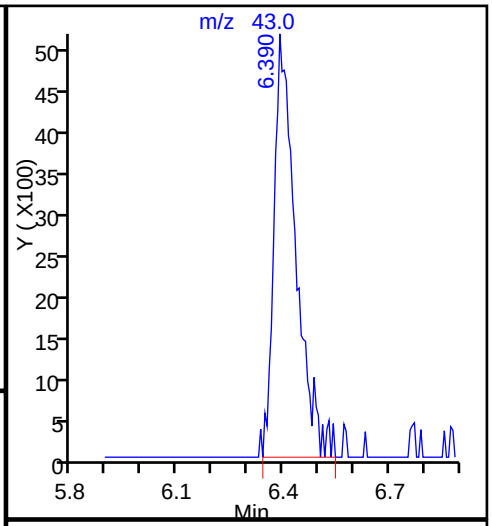
TestAmerica Buffalo

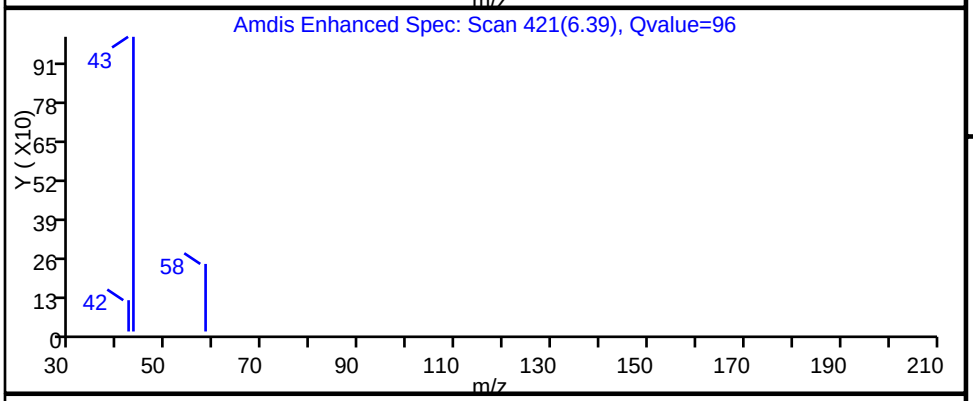
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D

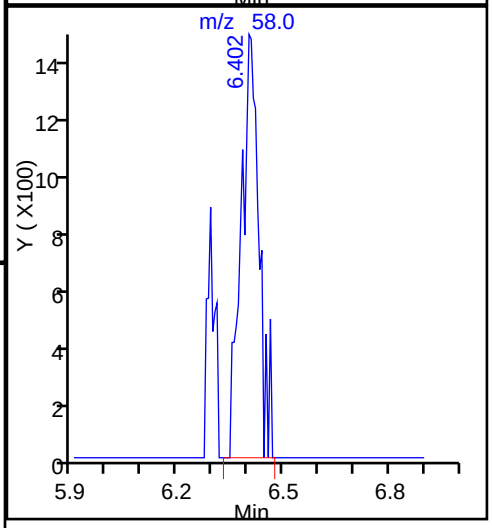
Injection Date:	18-Dec-2015 05:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-10-B	Lab Sample ID:	480-92744-10		
Client ID:	B37-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

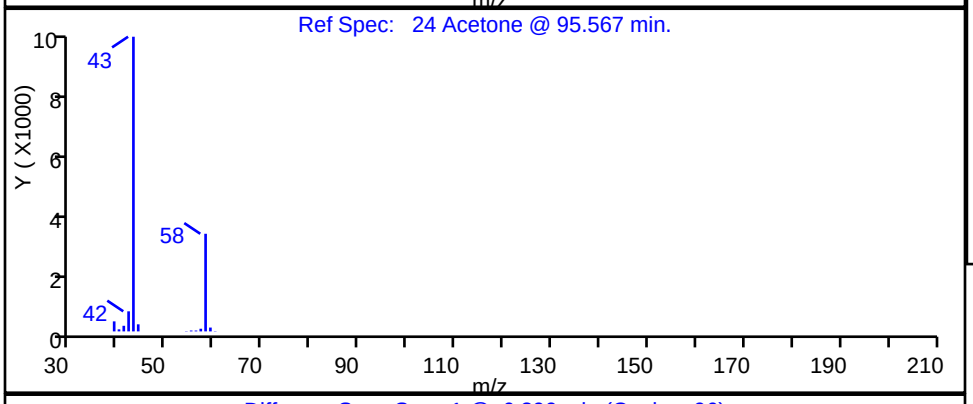
24 Acetone, CAS: 67-64-1

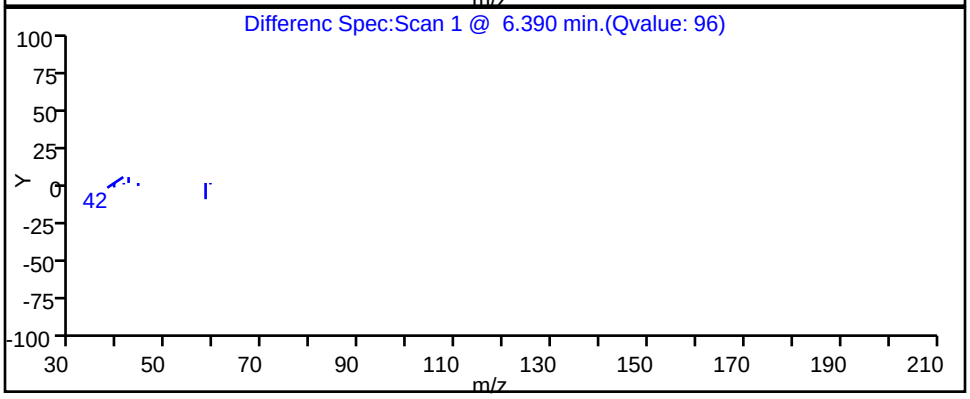








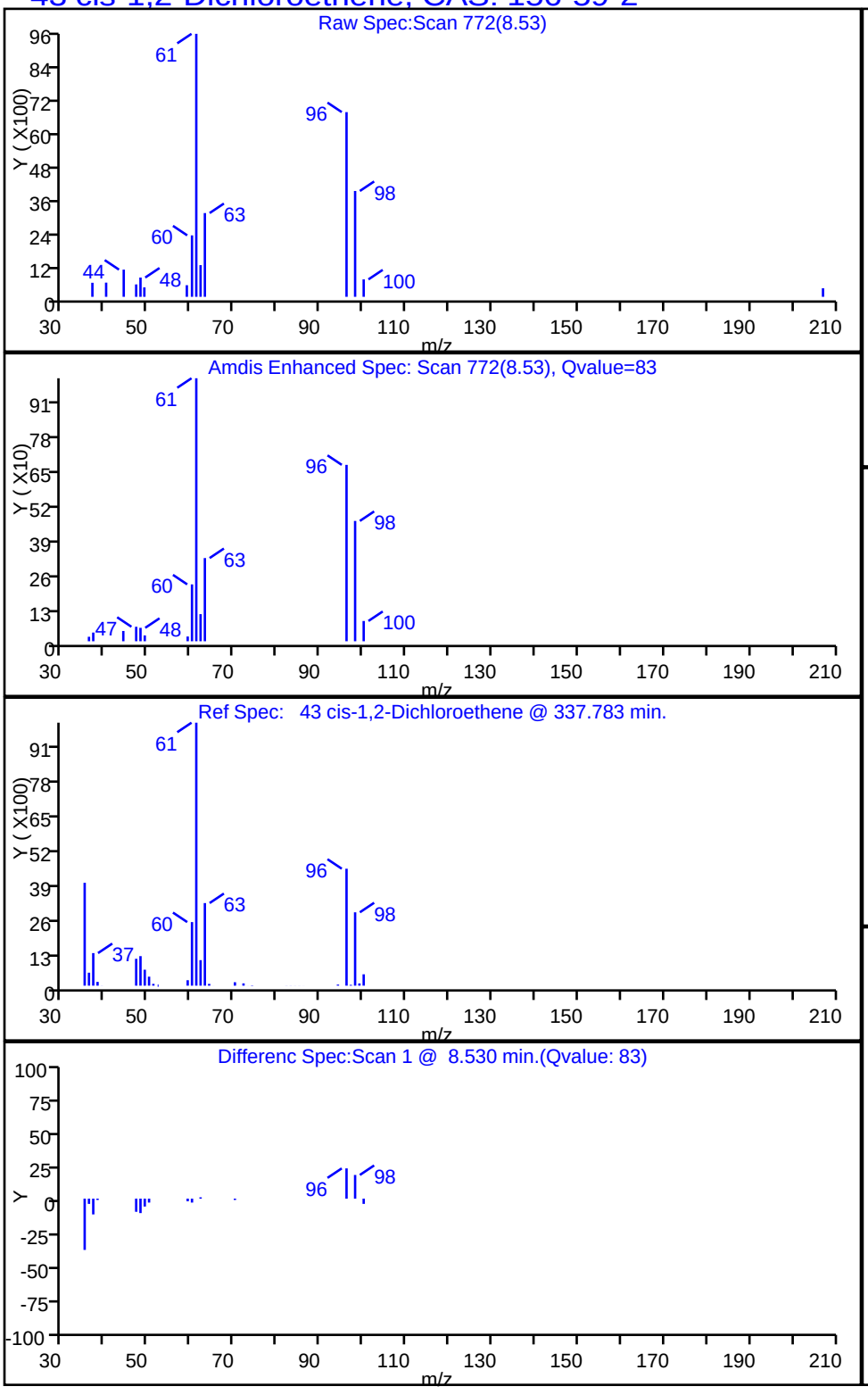


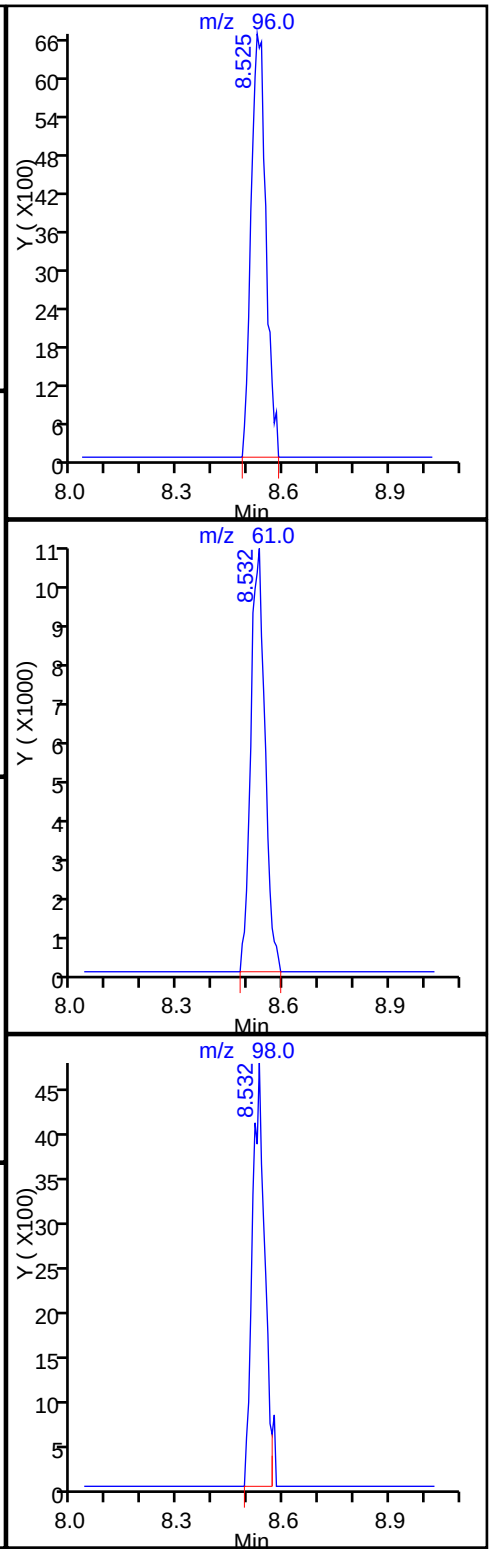


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D				
Injection Date:	18-Dec-2015 05:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-10-B	Lab Sample ID:	480-92744-10		
Client ID:	B37-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

43 cis-1,2-Dichloroethene, CAS: 156-59-2

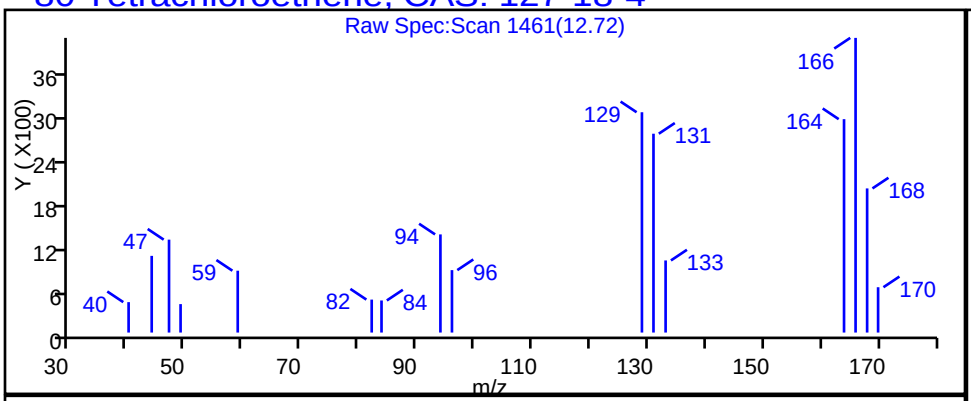


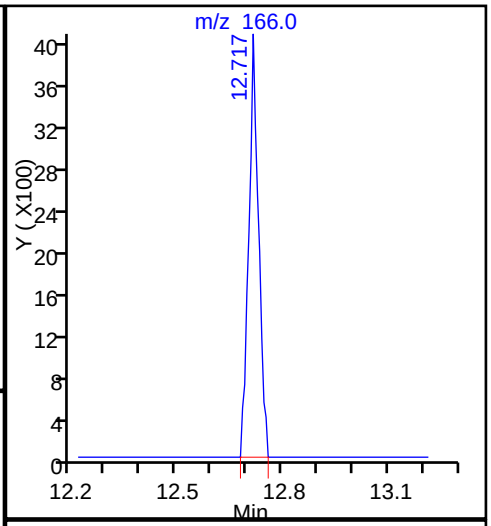


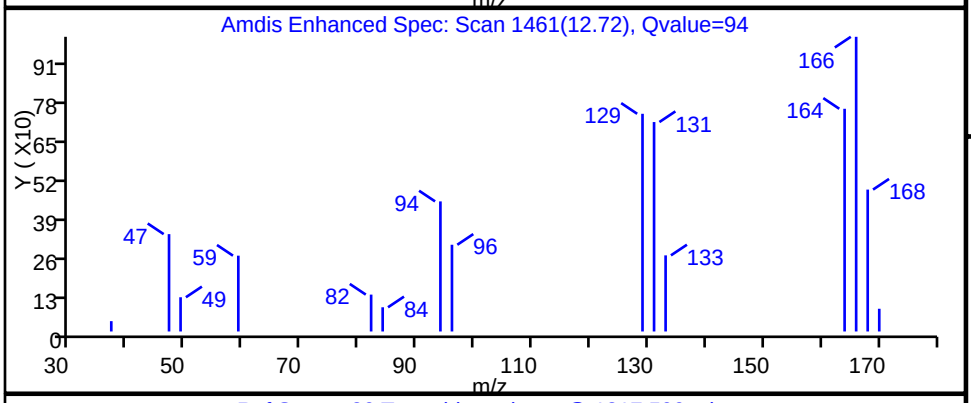
TestAmerica Buffalo

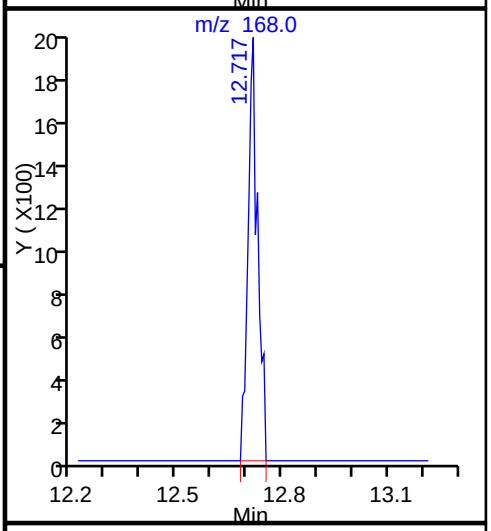
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D				
Injection Date:	18-Dec-2015 05:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-10-B	Lab Sample ID:	480-92744-10		
Client ID:	B37-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

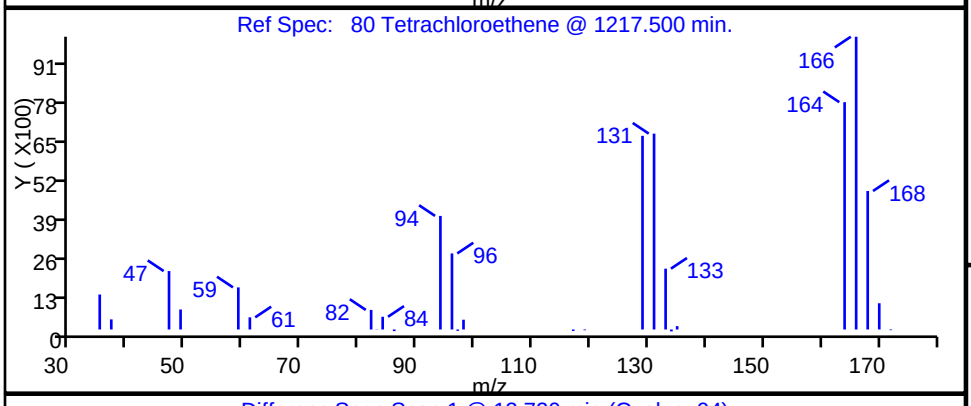
80 Tetrachloroethene, CAS: 127-18-4

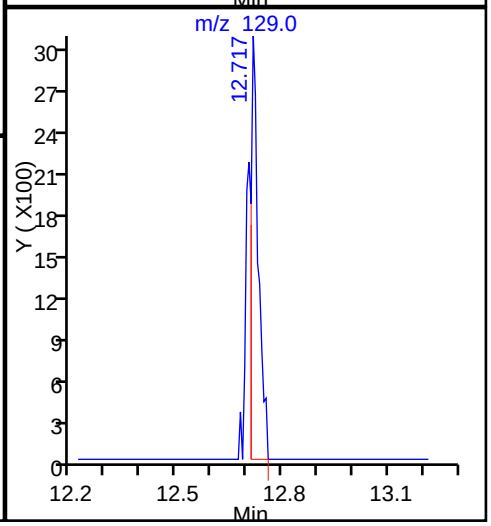


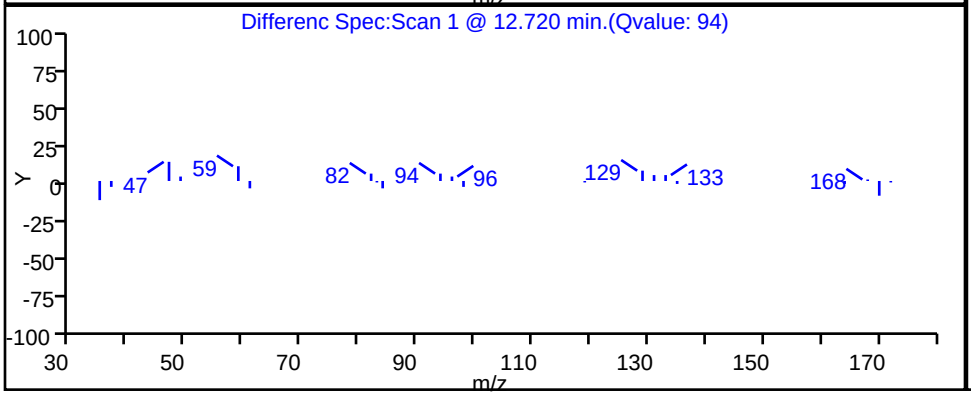








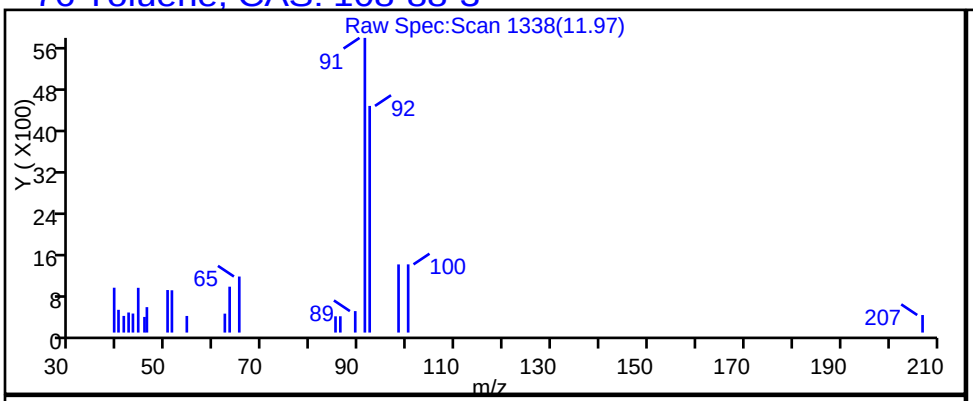


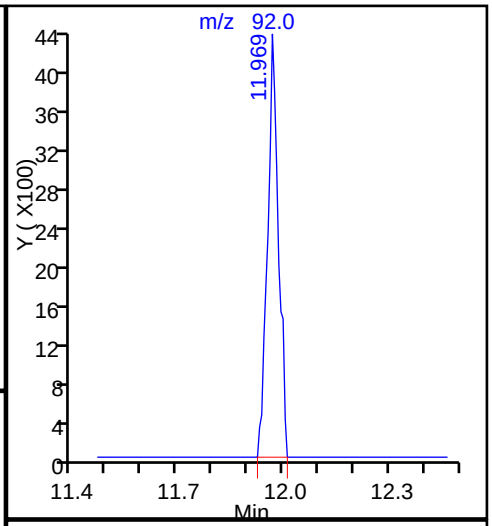


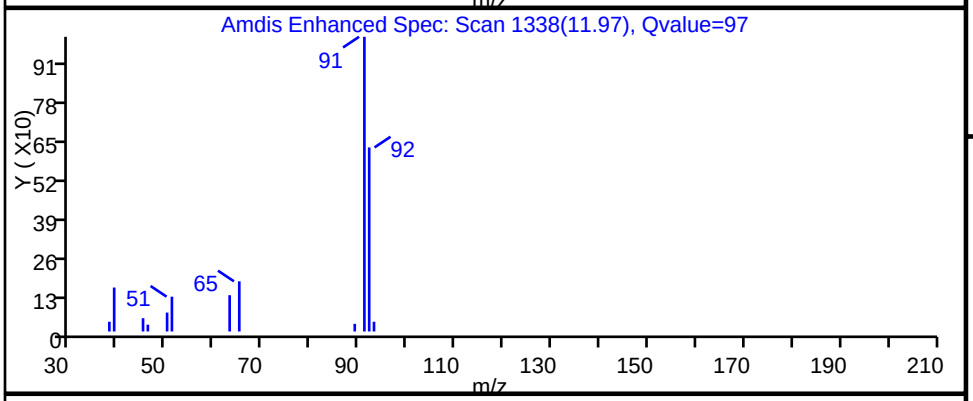
TestAmerica Buffalo

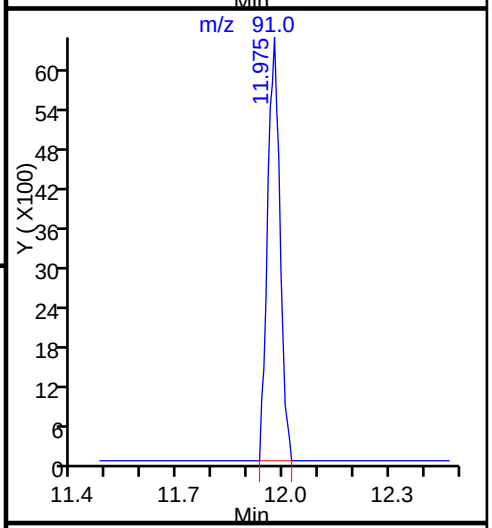
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D				
Injection Date:	18-Dec-2015 05:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-10-B	Lab Sample ID:	480-92744-10		
Client ID:	B37-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

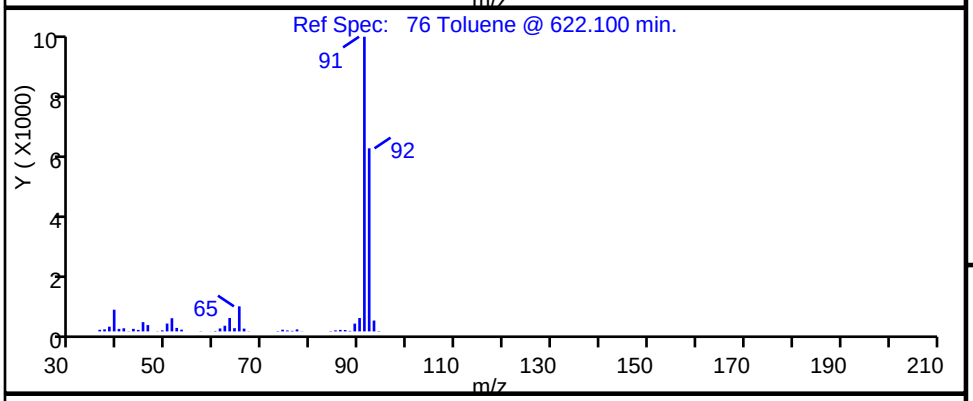
76 Toluene, CAS: 108-88-3

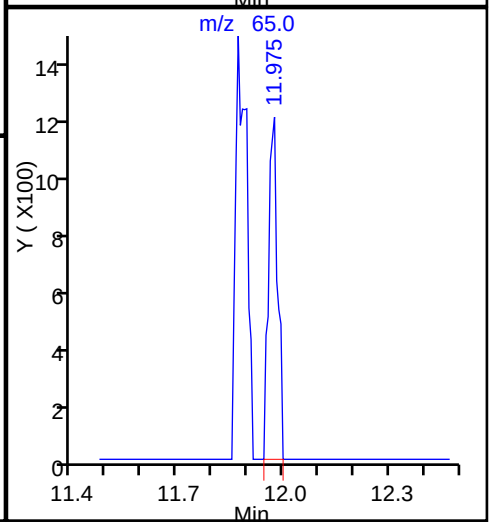


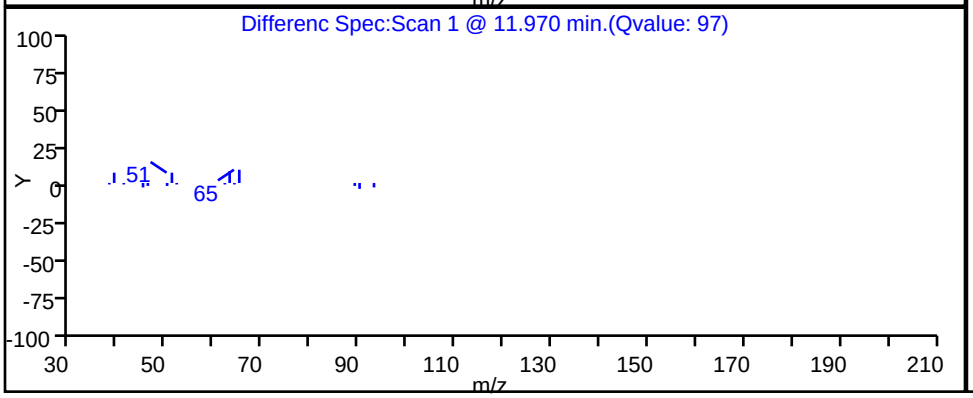








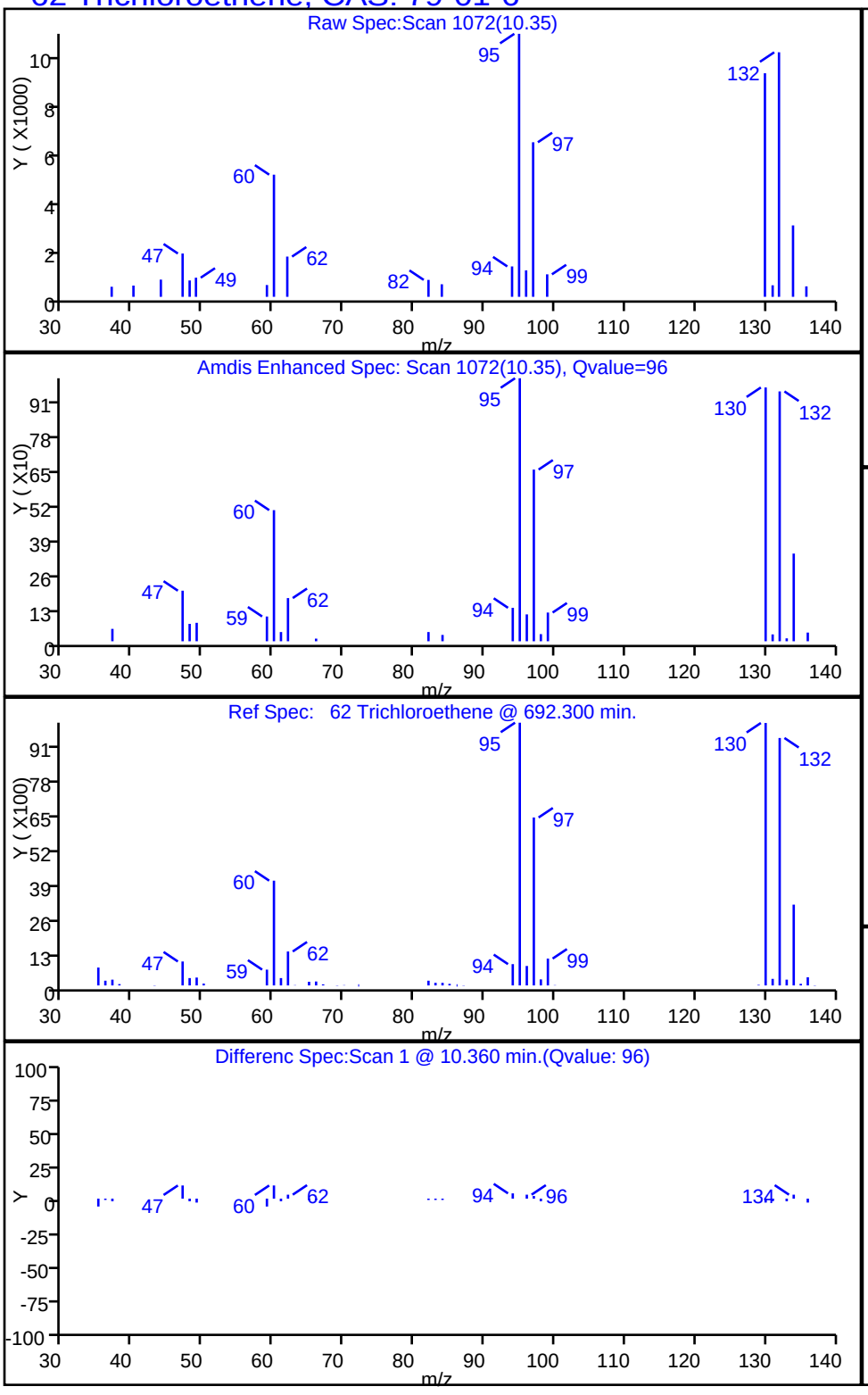


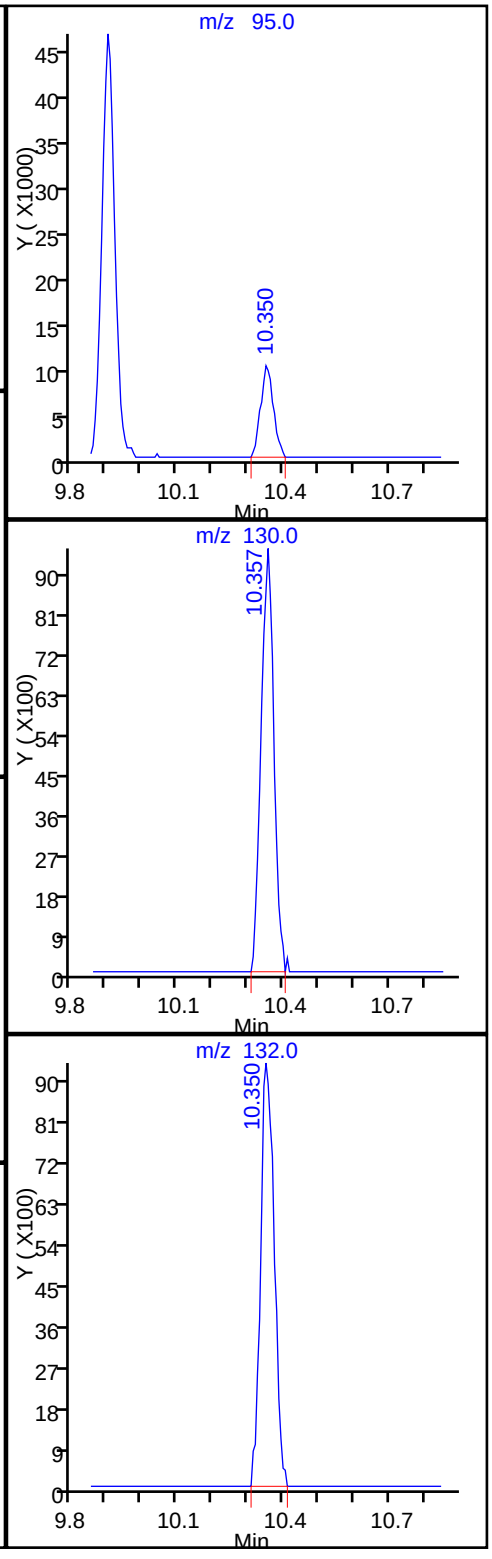


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D				
Injection Date:	18-Dec-2015 05:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-10-B	Lab Sample ID:	480-92744-10		
Client ID:	B37-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6





Manual Integration/User Assign Peak Report

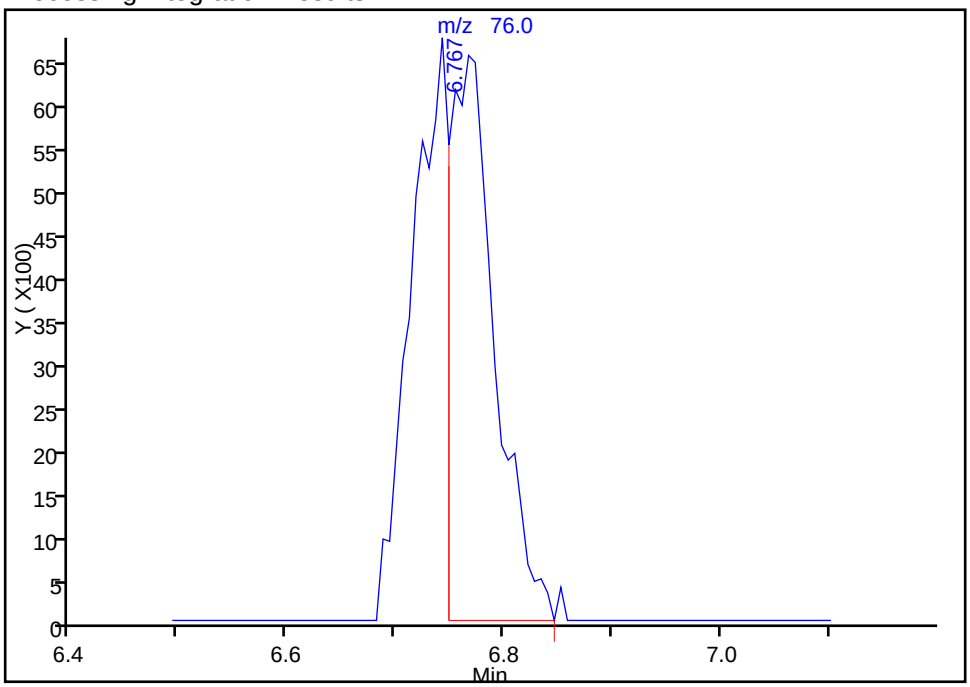
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2482.D				
Injection Date:	18-Dec-2015 05:35:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-10-B	Lab Sample ID:	480-92744-10		
Client ID:	B37-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

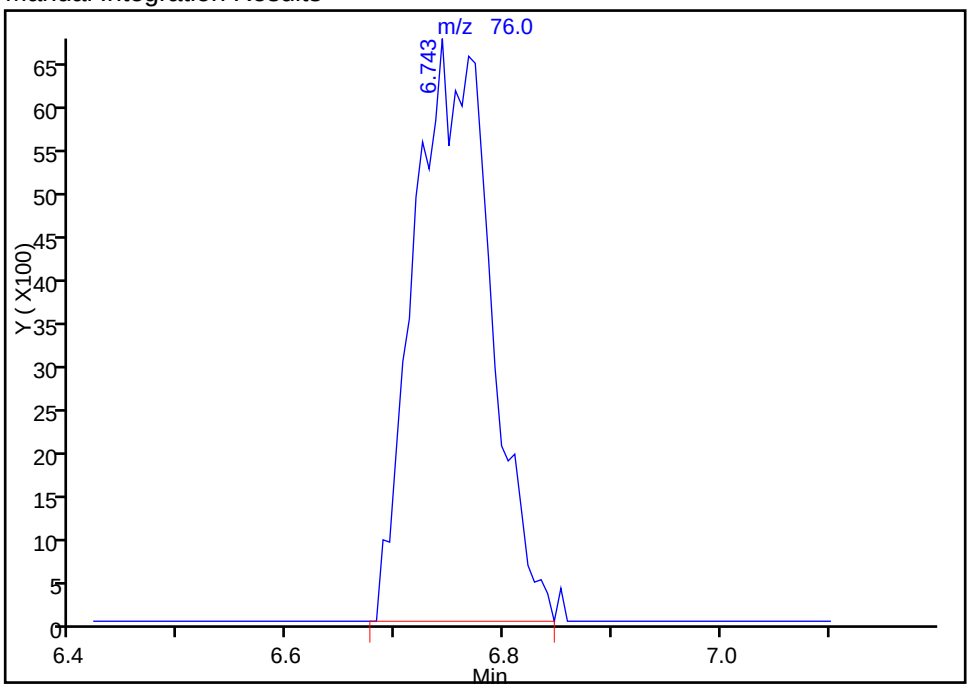
Processing Integration Results

RT: 6.77
Area: 19180
Amount: 0.655302
Amount Units: ug/L



Manual Integration Results

RT: 6.74
Area: 33370
Amount: 1.140117
Amount Units: ug/L



Reviewer: diasn, 19-Dec-2015 00:52:08
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S2 | Lab Sample ID: 480-92744-11

Matrix: Solid | Lab File ID: S6462.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/22/2015 14:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.2 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		110	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		110	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	640		110	55
79-00-5	1,1,2-Trichloroethane	ND		110	23
75-34-3	1,1-Dichloroethane	160		110	34
75-35-4	1,1-Dichloroethene	ND		110	38
120-82-1	1,2,4-Trichlorobenzene	ND		110	42
96-12-8	1,2-Dibromo-3-Chloropropane	ND		110	55
106-93-4	1,2-Dibromoethane	ND		110	19
95-50-1	1,2-Dichlorobenzene	ND		110	28
107-06-2	1,2-Dichloroethane	ND		110	45
78-87-5	1,2-Dichloropropane	ND		110	18
541-73-1	1,3-Dichlorobenzene	ND		110	29
106-46-7	1,4-Dichlorobenzene	ND		110	15
78-93-3	2-Butanone (MEK)	ND		550	330
591-78-6	2-Hexanone	ND		550	230
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		550	35
67-64-1	Acetone	ND		550	450
71-43-2	Benzene	ND		110	21
75-27-4	Bromodichloromethane	ND		110	22
75-25-2	Bromoform	ND		110	55
74-83-9	Bromomethane	ND		110	24
75-15-0	Carbon disulfide	ND		110	50
56-23-5	Carbon tetrachloride	ND		110	28
108-90-7	Chlorobenzene	ND		110	15
75-00-3	Chloroethane	ND		110	23
67-66-3	Chloroform	ND		110	75
74-87-3	Chloromethane	ND		110	26
156-59-2	cis-1,2-Dichloroethene	1600		110	30
10061-01-5	cis-1,3-Dichloropropene	ND		110	26
110-82-7	Cyclohexane	ND		110	24
124-48-1	Dibromochloromethane	ND		110	53
75-71-8	Dichlorodifluoromethane	ND		110	48
100-41-4	Ethylbenzene	76	J	110	32
98-82-8	Isopropylbenzene	ND		110	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S2 | Lab Sample ID: 480-92744-11

Matrix: Solid | Lab File ID: S6462.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/22/2015 14:27

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.2 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		110	52
1634-04-4	Methyl tert-butyl ether	ND		110	42
108-87-2	Methylcyclohexane	ND		110	51
75-09-2	Methylene Chloride	ND		110	22
100-42-5	Styrene	ND		110	26
127-18-4	*Tetrachloroethene*	*15000*	*E*	*110*	*15*
108-88-3	Toluene	270		110	29
156-60-5	trans-1,2-Dichloroethene	ND		110	26
10061-02-6	trans-1,3-Dichloropropene	ND		110	11
79-01-6	*Trichloroethene*	*15000*	*E*	*110*	*31*
75-69-4	Trichlorofluoromethane	ND		110	52
75-01-4	Vinyl chloride	ND		110	37
1330-20-7	Xylenes, Total	220		220	61

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		53-146
460-00-4	4-Bromofluorobenzene (Surr)	89		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D
Lims ID: 480-92744-A-11-C Lab Sample ID: 480-92744-11
Client ID: B37-POLEBARN-S2
Sample Type: Client
Inject. Date: 22-Dec-2015 14:27:30 ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-11-C
Misc. Info.: 480-0049479-011
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 12:14:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 22-Dec-2015 18:09:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	98	118296	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	234349	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	96	213949	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	87705	23.9	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	95	550811	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	160138	24.2	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.401				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.815				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	2.636	2.648	-0.012	60	27329	5.81	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.734				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.141				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	49	17578	1.47	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	72	87895	14.6	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.137				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.751	-0.006	90	742146	132.3	E
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92	6.980	6.980	0.000	81	31671	2.49	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	841472	137.4	E
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.941				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91	8.519	8.525	-0.006	71	16008	0.6952	
90 m-Xylene & p-Xylene	106	8.641	8.647	-0.006	0	14670	1.50	
91 o-Xylene	106	9.066	9.073	-0.007	39	4545	0.4772	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.334				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		1.98	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

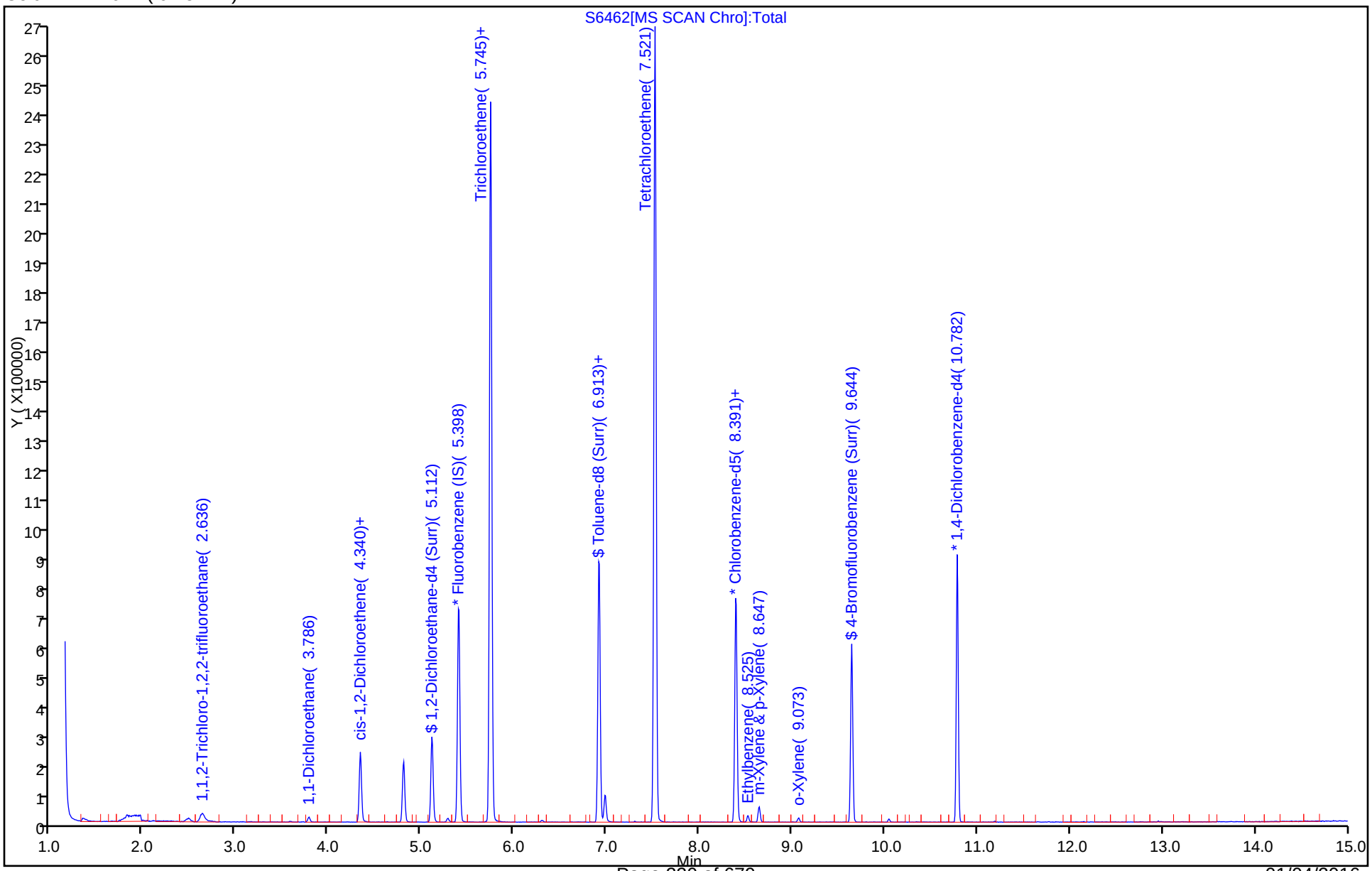
Report Date: 23-Dec-2015 12:14:58 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11	Worklist Smp#:	11
Client ID:	B37-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

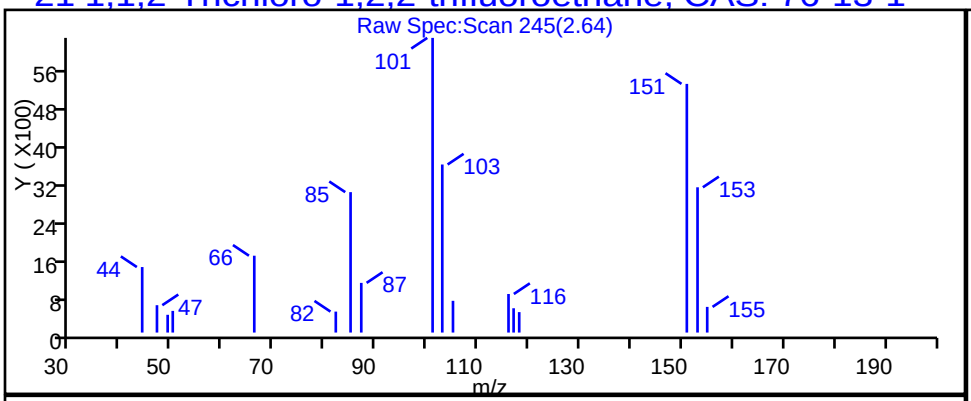


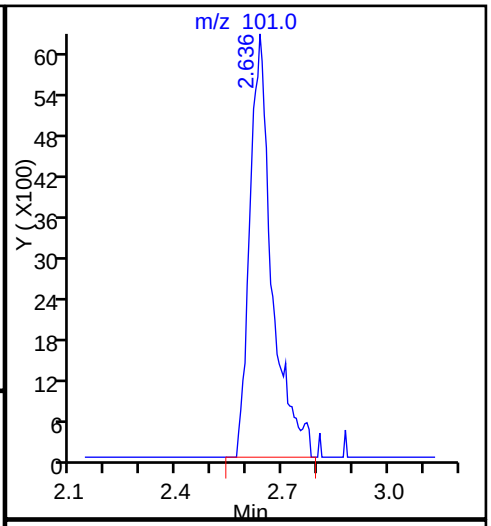
TestAmerica Buffalo

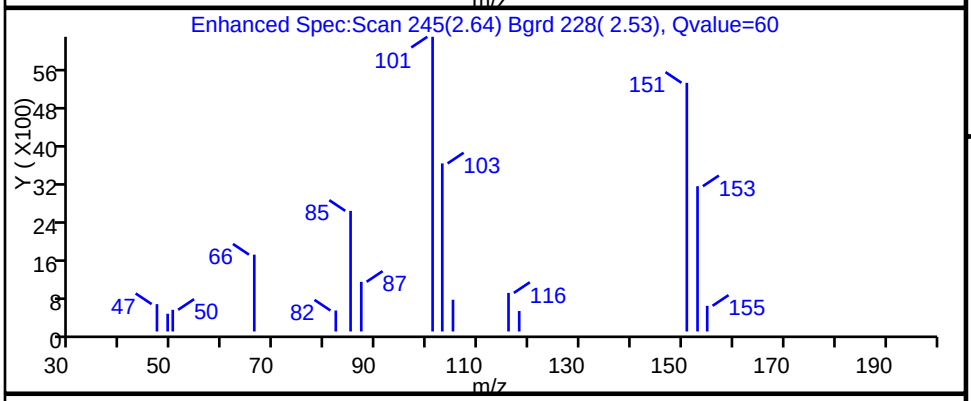
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

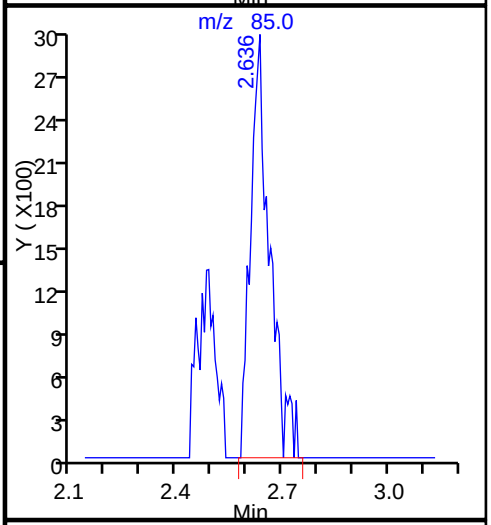
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11		
Client ID:	B37-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	12	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

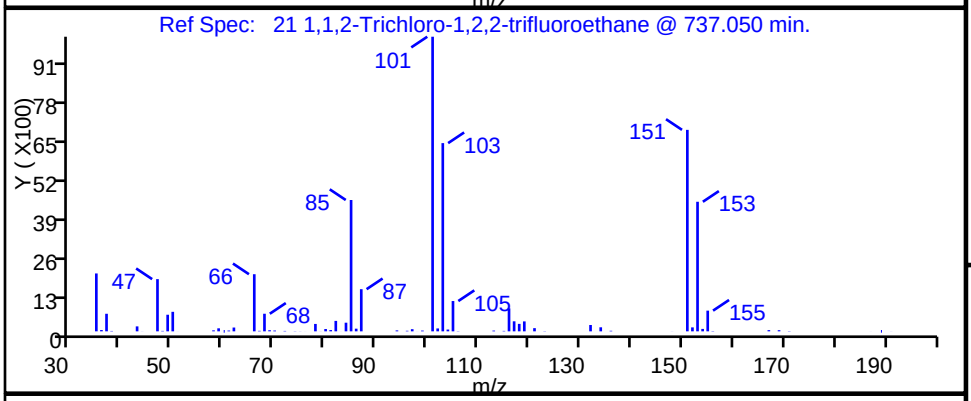
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

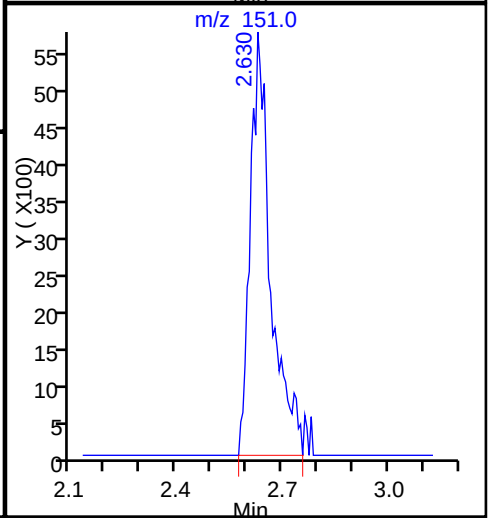


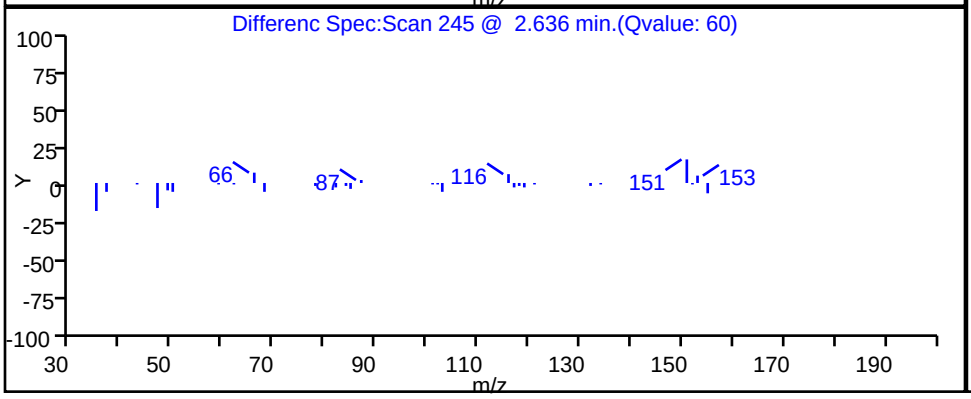










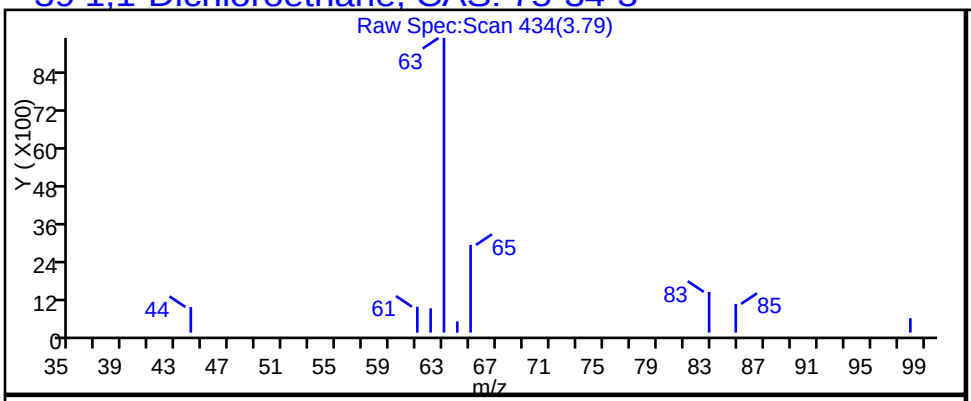


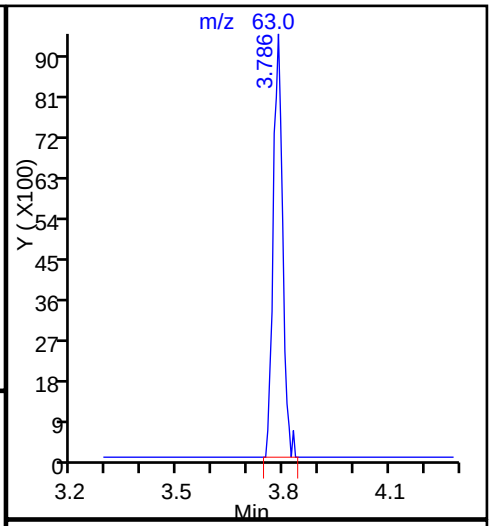
TestAmerica Buffalo

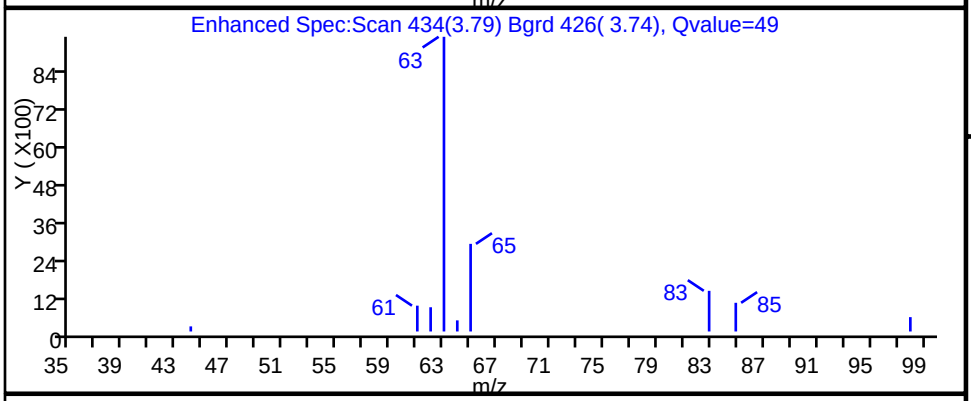
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

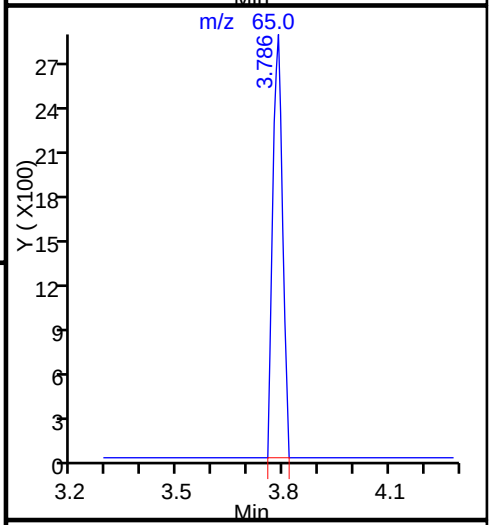
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	12 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

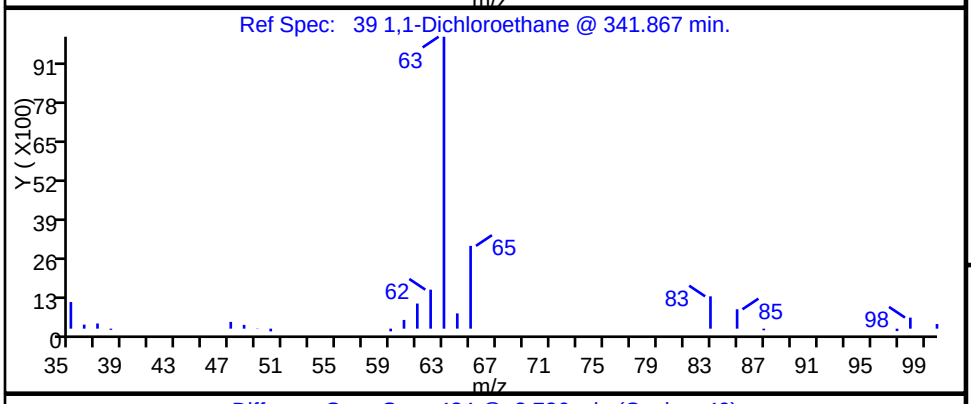
39 1,1-Dichloroethane, CAS: 75-34-3

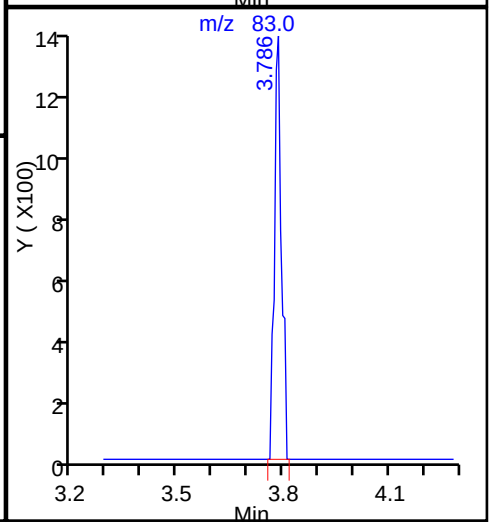


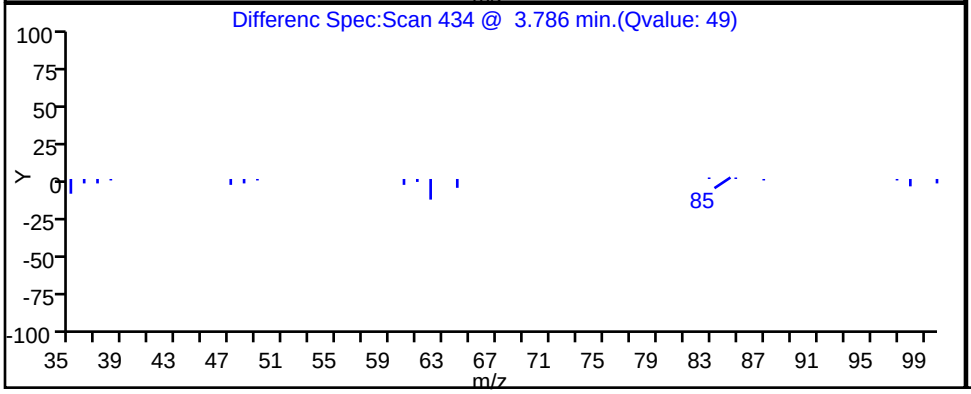








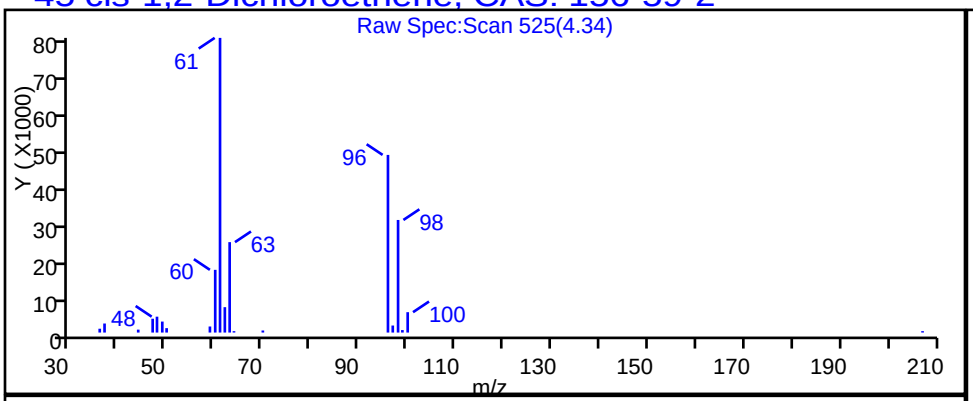


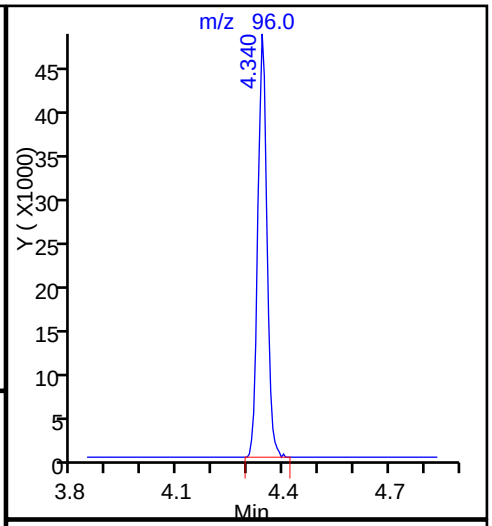


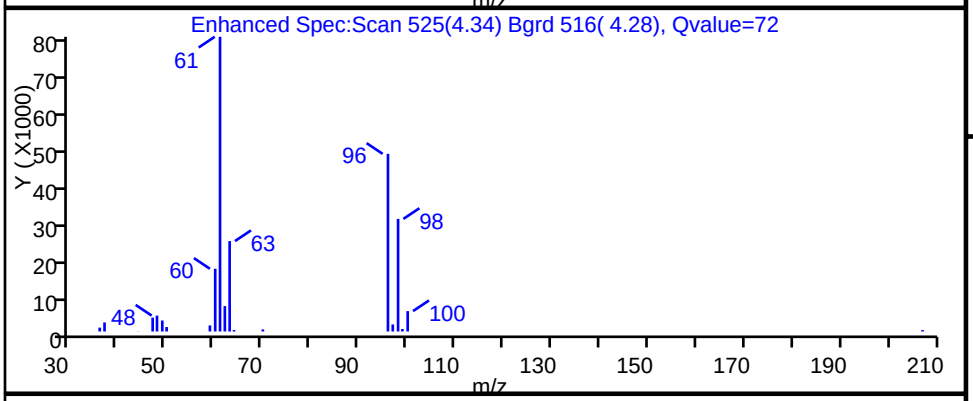
TestAmerica Buffalo

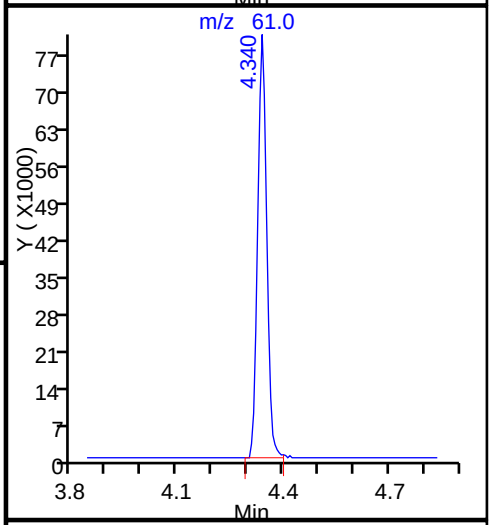
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D				
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11		
Client ID:	B37-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	12	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

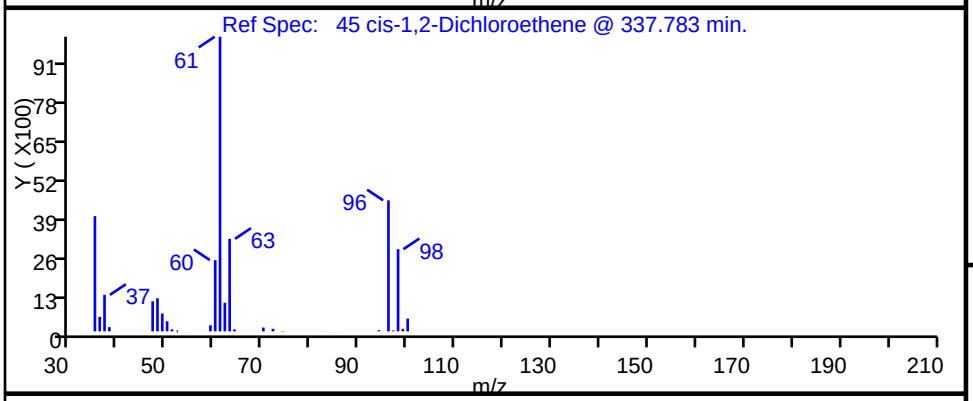
45 cis-1,2-Dichloroethene, CAS: 156-59-2

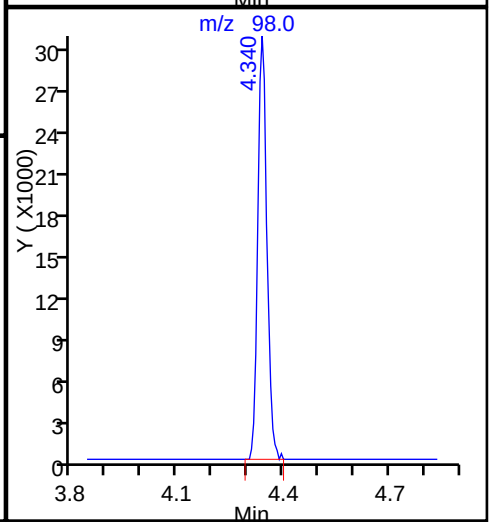


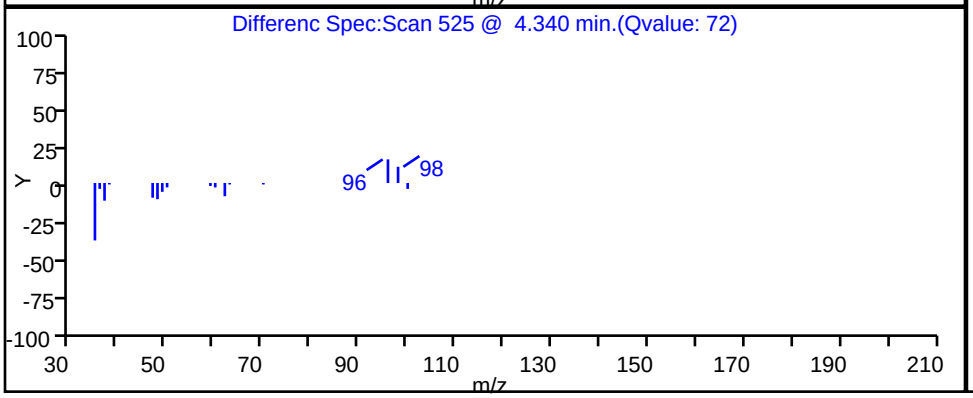










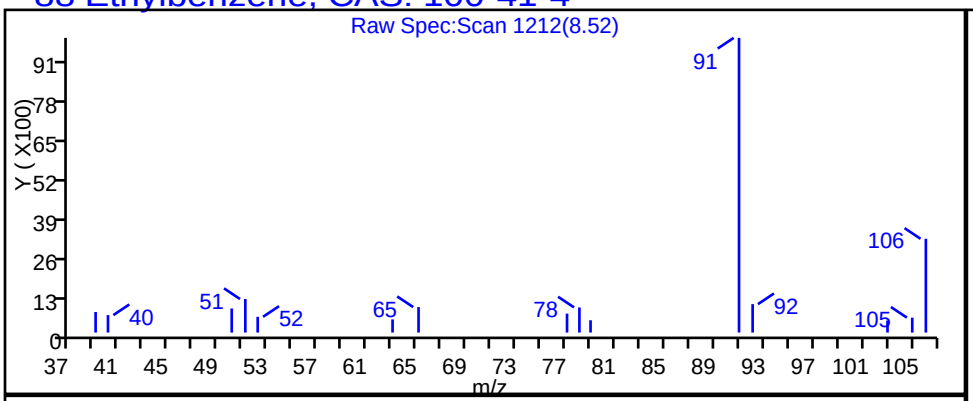


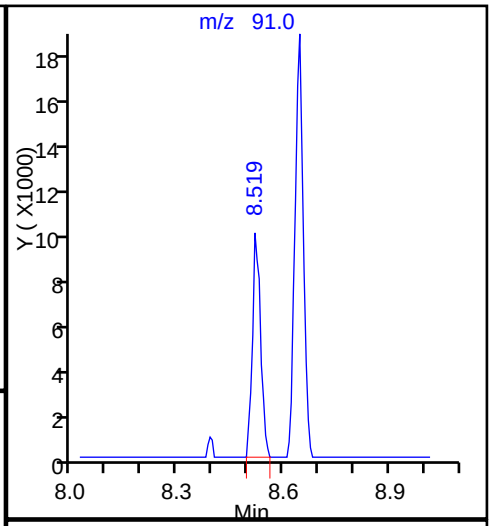
TestAmerica Buffalo

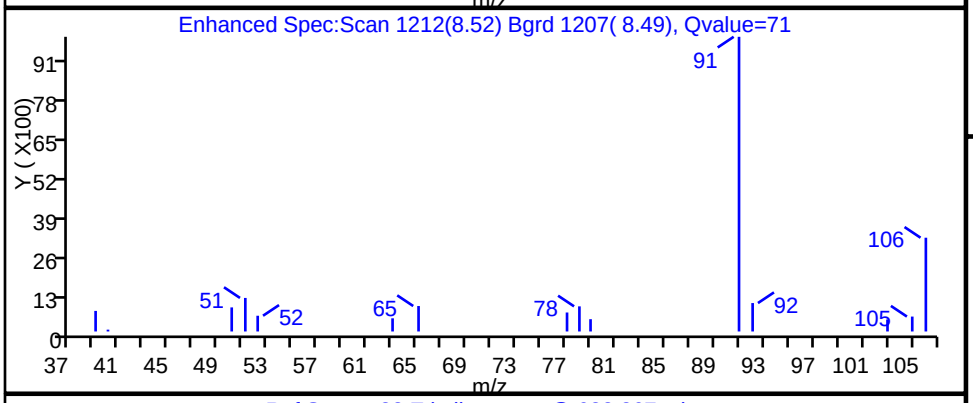
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

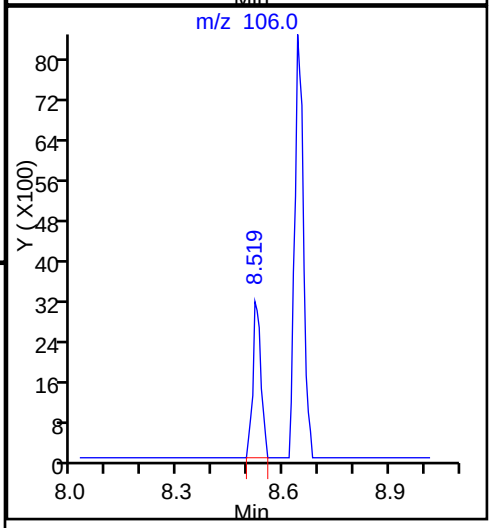
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	12 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

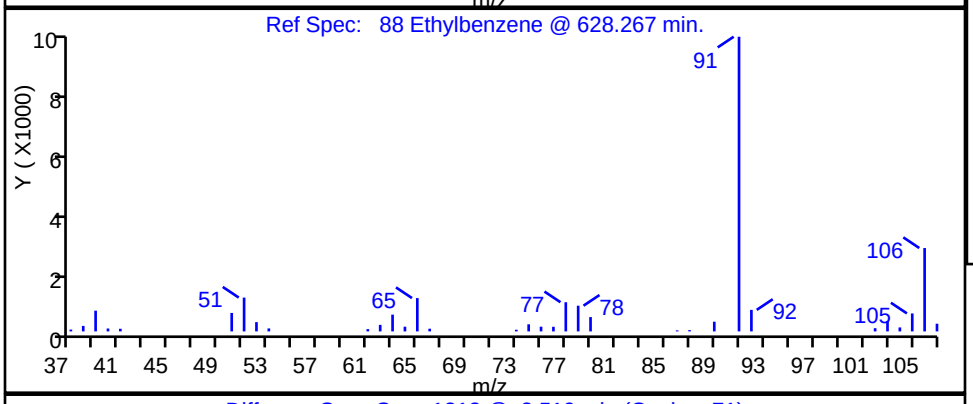
88 Ethylbenzene, CAS: 100-41-4

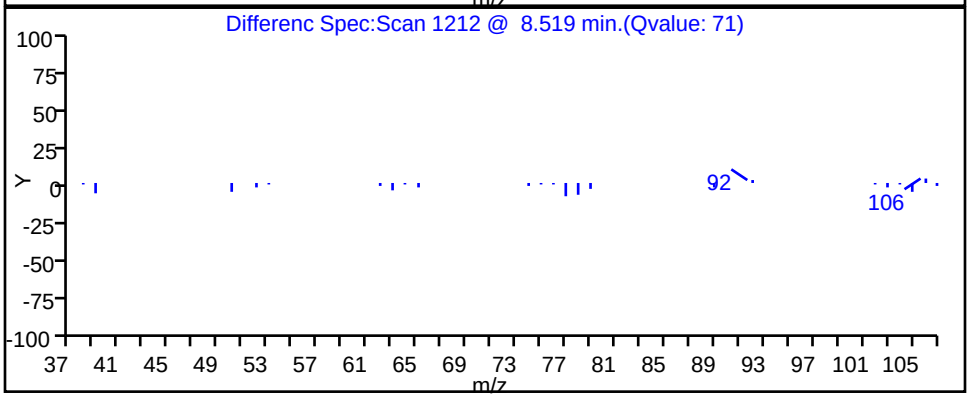










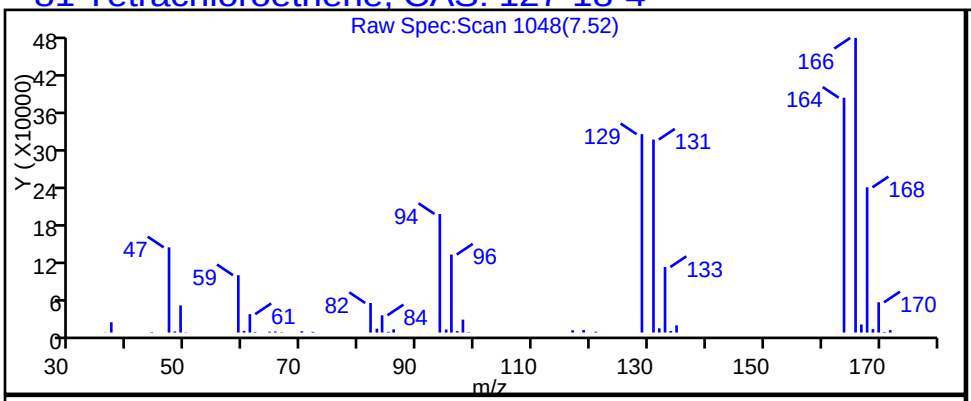


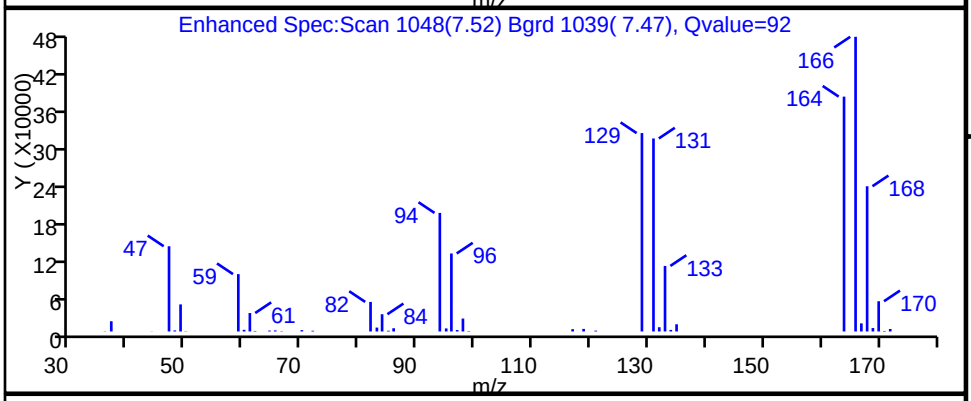
TestAmerica Buffalo

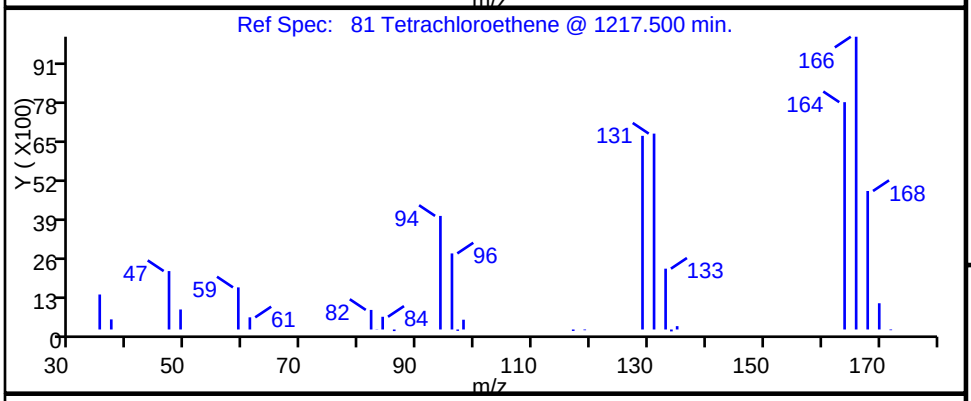
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

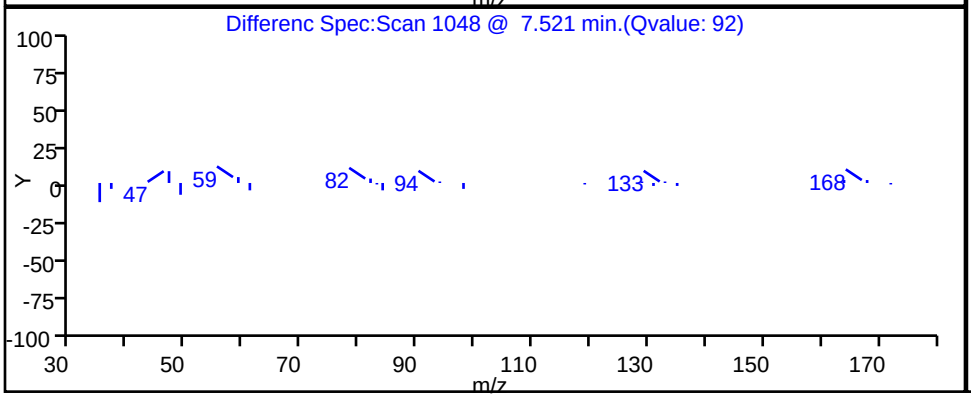
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	12 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

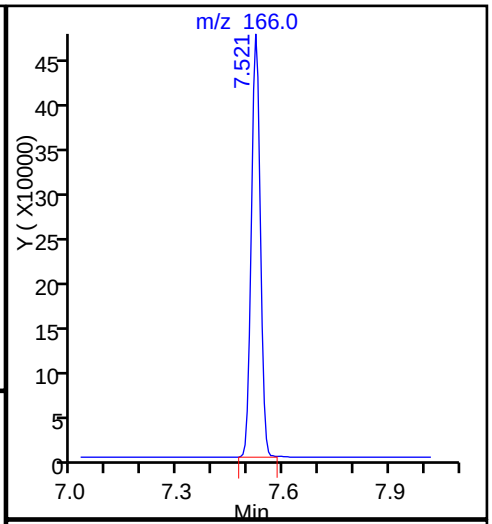
81 Tetrachloroethene, CAS: 127-18-4

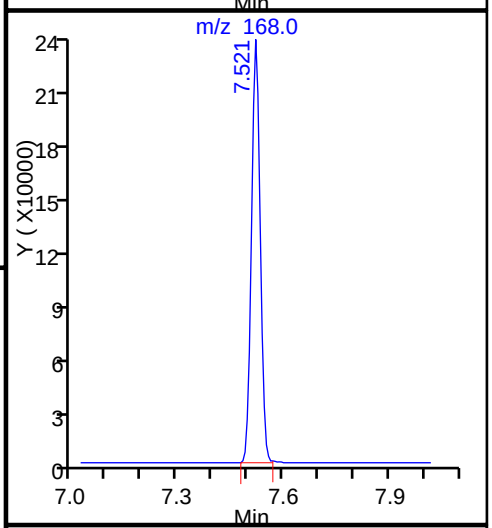


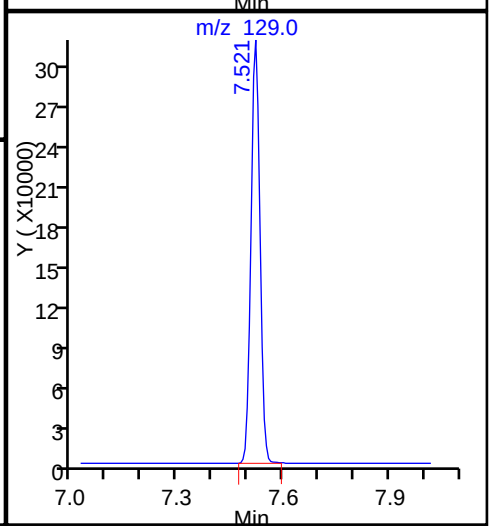








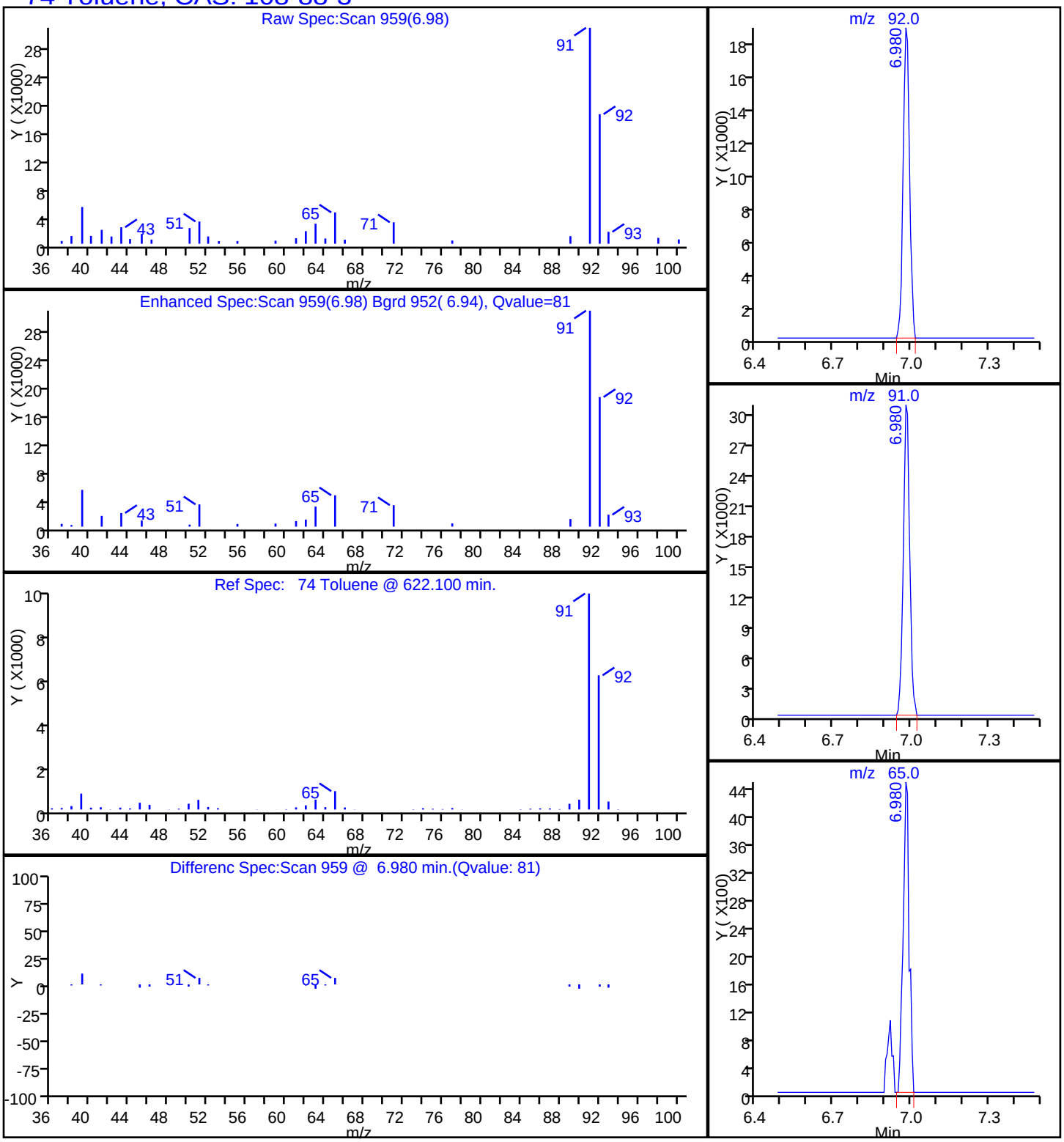




TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D				
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11		
Client ID:	B37-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	12	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

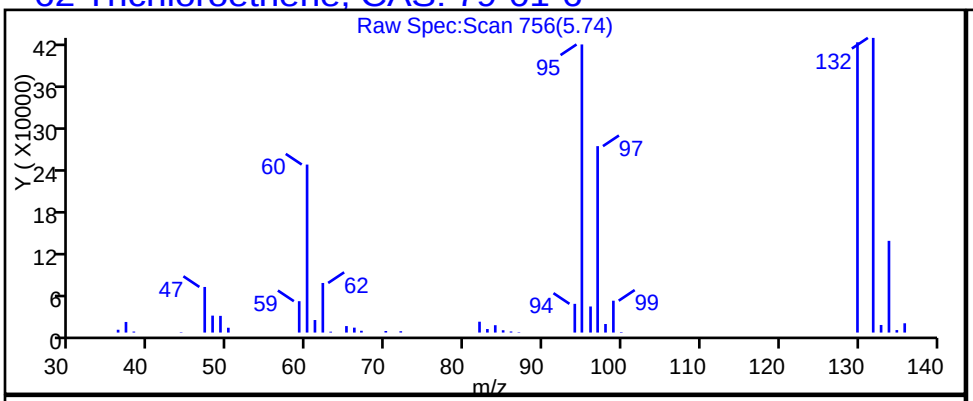


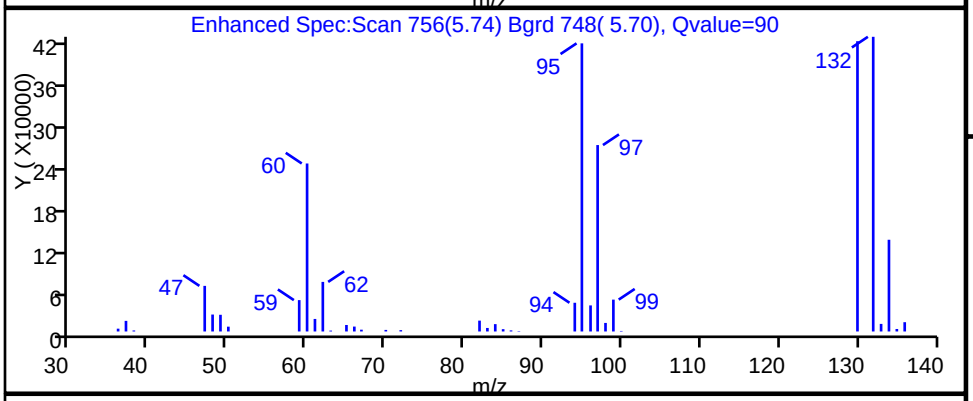
TestAmerica Buffalo

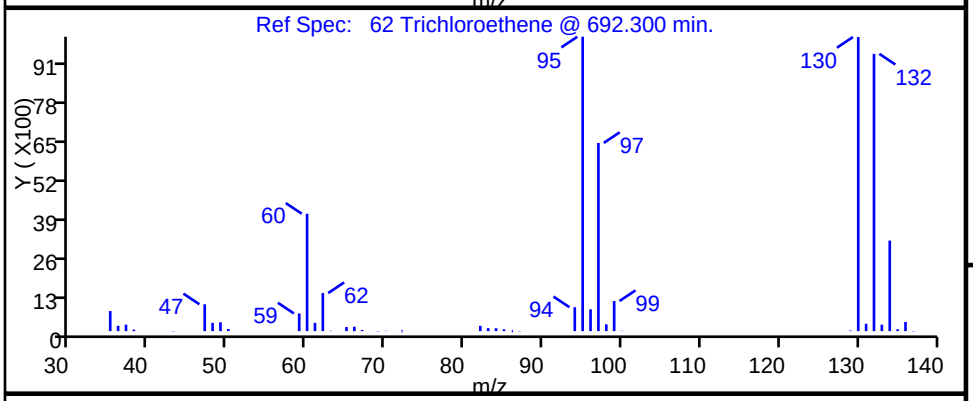
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

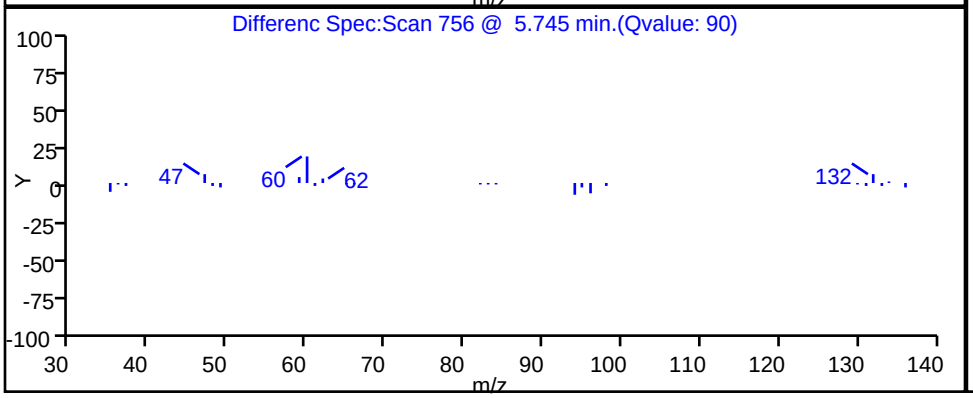
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	12 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

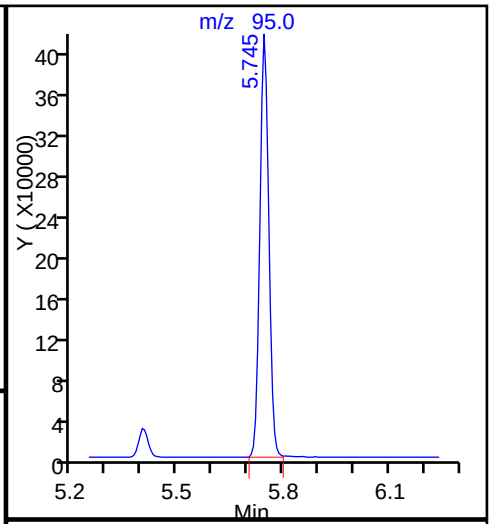
62 Trichloroethene, CAS: 79-01-6

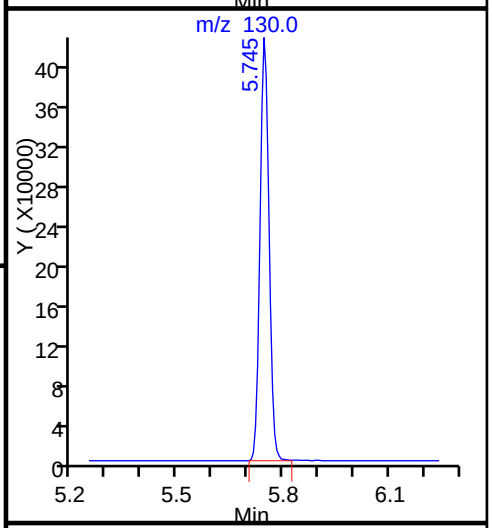


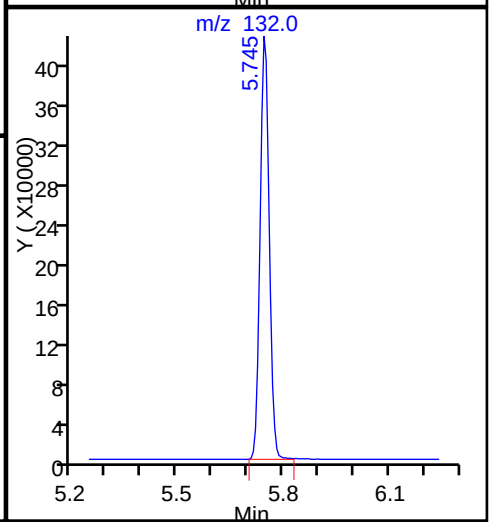










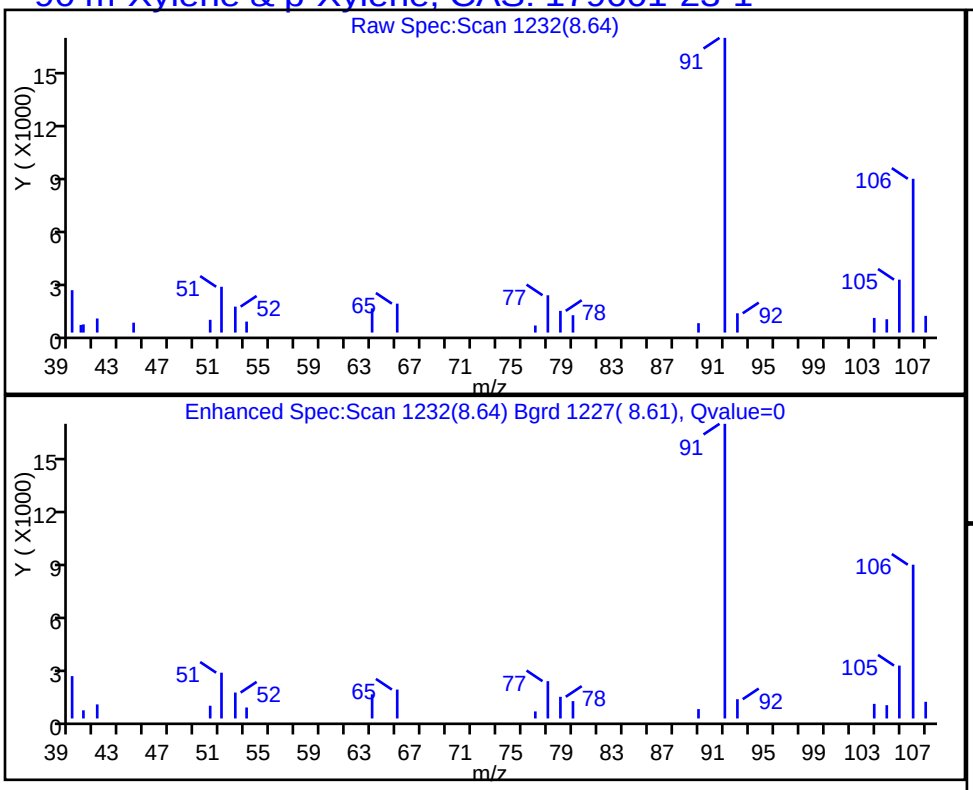


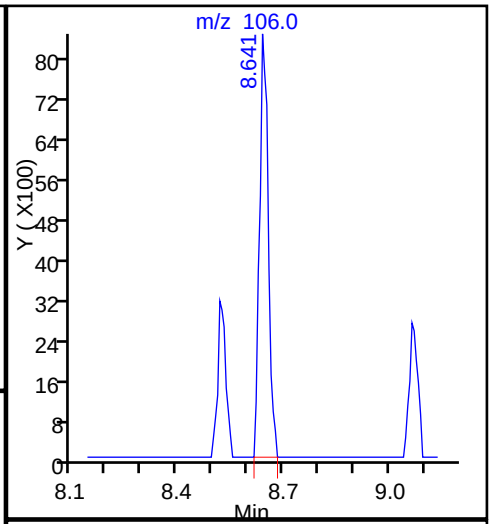
TestAmerica Buffalo

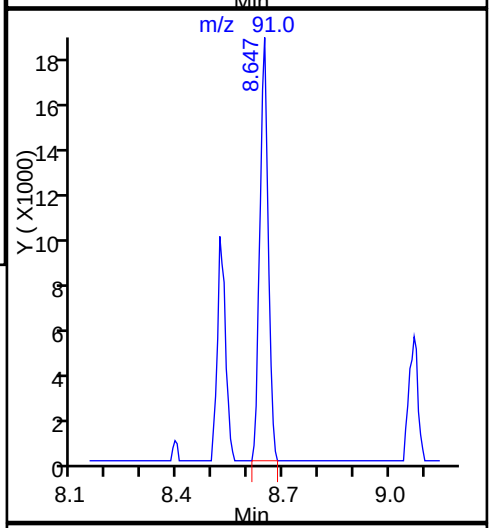
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

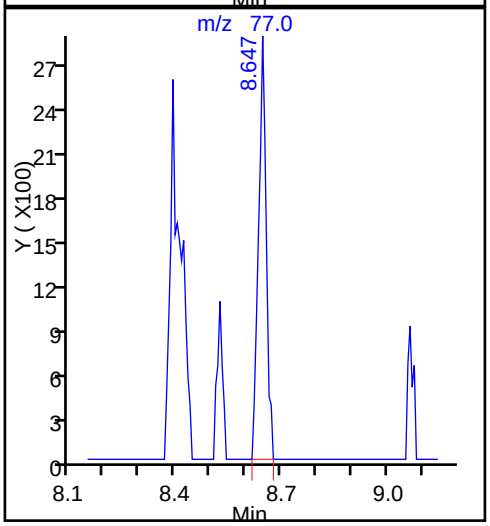
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	12 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

90 m-Xylene & p-Xylene, CAS: 179601-23-1







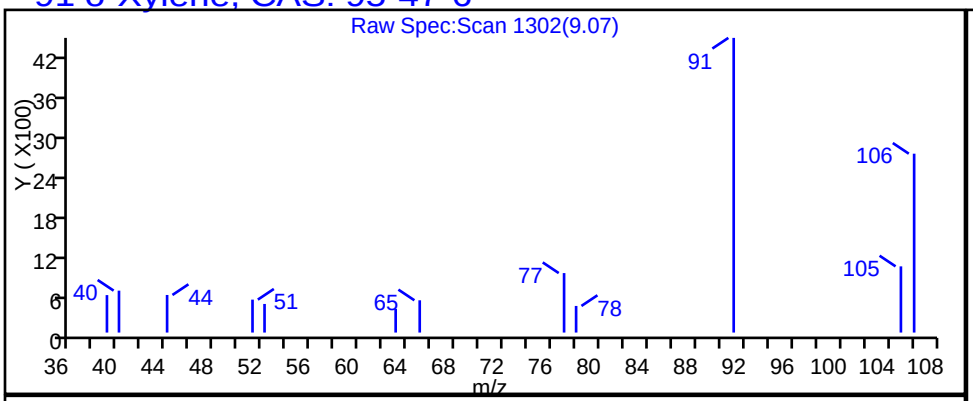


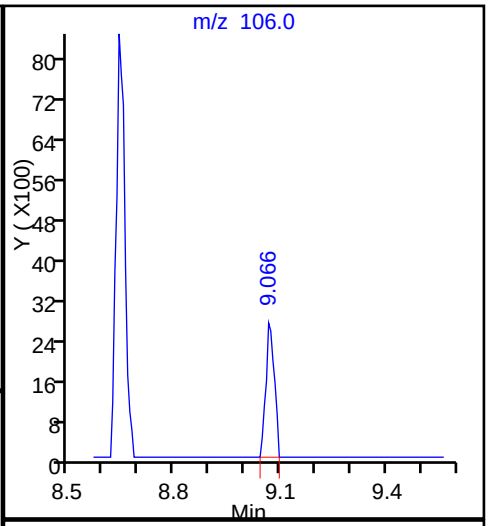
TestAmerica Buffalo

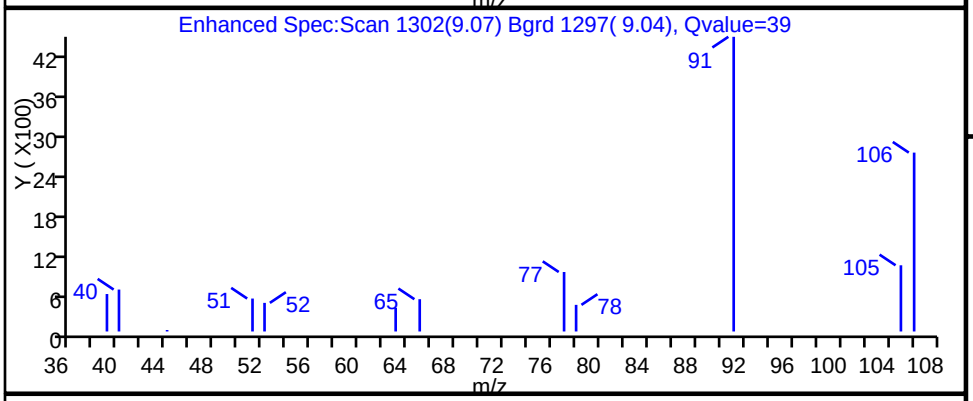
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6462.D

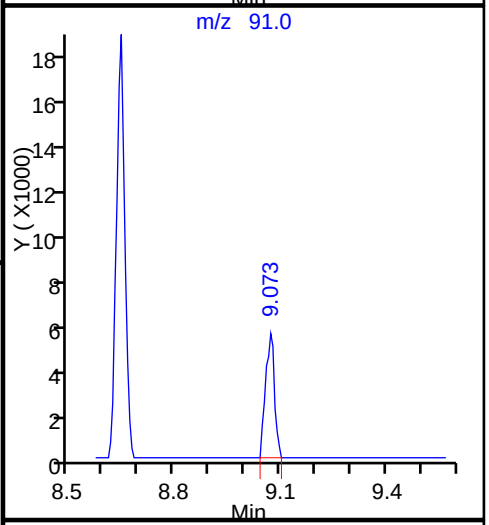
Injection Date:	22-Dec-2015 14:27:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	12 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

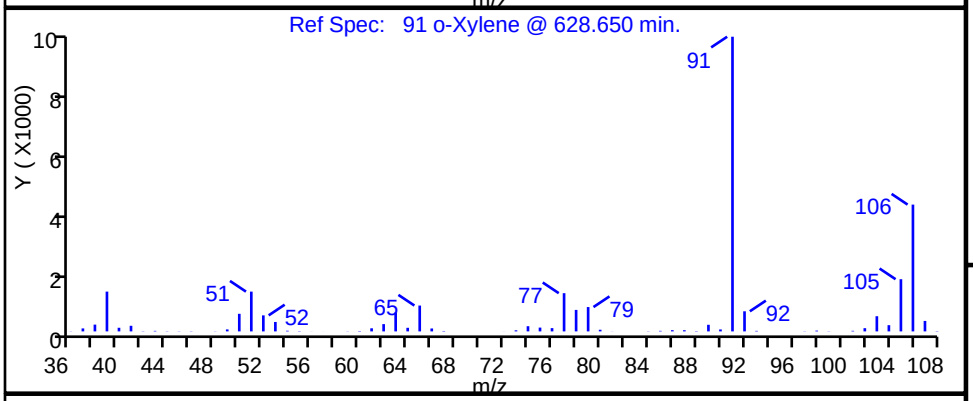
91 o-Xylene, CAS: 95-47-6

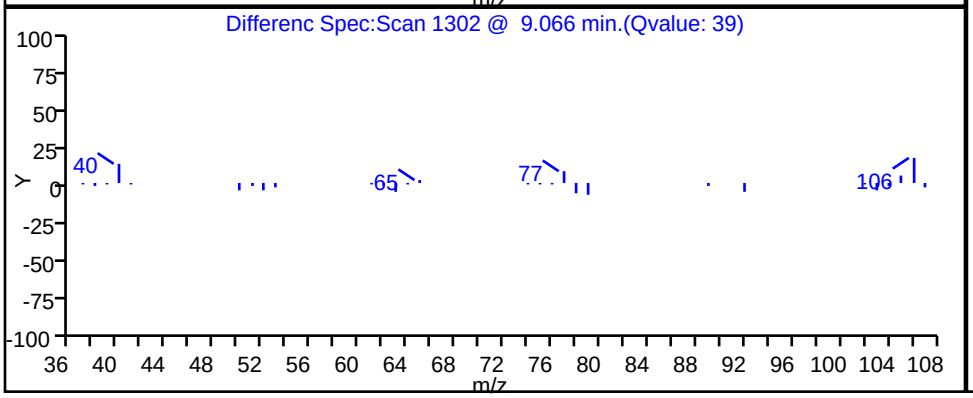


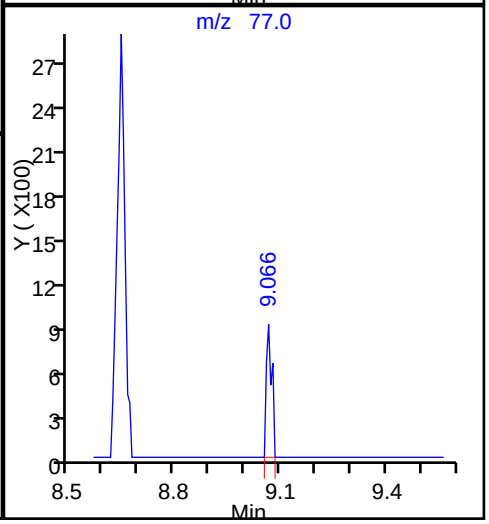












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S2 DL | Lab Sample ID: 480-92744-11 DL

Matrix: Solid | Lab File ID: S6473.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/22/2015 18:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.2 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		440	120
79-34-5	1,1,2,2-Tetrachloroethane	ND		440	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	820		440	220
79-00-5	1,1,2-Trichloroethane	ND		440	92
75-34-3	1,1-Dichloroethane	200	J	440	140
75-35-4	1,1-Dichloroethene	ND		440	150
120-82-1	1,2,4-Trichlorobenzene	ND		440	170
96-12-8	1,2-Dibromo-3-Chloropropane	ND		440	220
106-93-4	1,2-Dibromoethane	ND		440	77
95-50-1	1,2-Dichlorobenzene	ND		440	110
107-06-2	1,2-Dichloroethane	ND		440	180
78-87-5	1,2-Dichloropropane	ND		440	71
541-73-1	1,3-Dichlorobenzene	ND		440	120
106-46-7	1,4-Dichlorobenzene	ND		440	62
78-93-3	2-Butanone (MEK)	ND		2200	1300
591-78-6	2-Hexanone	ND		2200	900
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2200	140
67-64-1	Acetone	ND		2200	1800
71-43-2	Benzene	ND		440	84
75-27-4	Bromodichloromethane	ND		440	88
75-25-2	Bromoform	ND		440	220
74-83-9	Bromomethane	ND		440	97
75-15-0	Carbon disulfide	ND		440	200
56-23-5	Carbon tetrachloride	ND		440	110
108-90-7	Chlorobenzene	ND		440	58
75-00-3	Chloroethane	ND		440	91
67-66-3	Chloroform	ND		440	300
74-87-3	Chloromethane	ND		440	100
156-59-2	cis-1,2-Dichloroethene	1600		440	120
10061-01-5	cis-1,3-Dichloropropene	ND		440	110
110-82-7	Cyclohexane	ND		440	98
124-48-1	Dibromochloromethane	ND		440	210
75-71-8	Dichlorodifluoromethane	ND		440	190
100-41-4	Ethylbenzene	ND		440	130
98-82-8	Isopropylbenzene	ND		440	66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S2 DL | Lab Sample ID: 480-92744-11 DL

Matrix: Solid | Lab File ID: S6473.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:40

Sample wt/vol: 5.08(g) | Date Analyzed: 12/22/2015 18:39

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.2 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	*Methyl acetate*	*ND*		*440*	*210*
1634-04-4	*Methyl tert-butyl ether*	*ND*		*440*	*170*
108-87-2	*Methylcyclohexane*	*ND*		*440*	*210*
75-09-2	*Methylene Chloride*	*ND*		*440*	*87*
100-42-5	*Styrene*	*ND*		*440*	*110*
127-18-4	Tetrachloroethene	17000		440	59
108-88-3	*Toluene*	*290*	*J*	*440*	*120*
156-60-5	*trans-1,2-Dichloroethene*	*ND*		*440*	*100*
10061-02-6	*trans-1,3-Dichloropropene*	*ND*		*440*	*43*
79-01-6	Trichloroethene	16000		440	120
75-69-4	*Trichlorofluoromethane*	*ND*		*440*	*210*
75-01-4	*Vinyl chloride*	*ND*		*440*	*150*
1330-20-7	*Xylenes, Total*	*ND*		*880*	*240*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		53-146
460-00-4	4-Bromofluorobenzene (Surr)	92		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D
Lims ID: 480-92744-A-11-C Lab Sample ID: 480-92744-11
Client ID: B37-POLEBARN-S2
Sample Type: Client
Inject. Date: 22-Dec-2015 18:39:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-92744-A-11-C
Misc. Info.: 480-0049479-023
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 12:14:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 22-Dec-2015 19:20:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	98	123501	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	242960	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	96	225724	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	91972	24.0	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	94	572097	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	171261	25.0	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.401				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.815				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	2.642	2.648	-0.006	20	9190	1.87	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.734				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.141				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	7	5615	0.4503	
45 cis-1,2-Dichloroethene	96	4.345	4.340	0.005	63	23449	3.73	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.137				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.751	5.751	0.000	88	209840	35.8	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92	6.980	6.980	0.000	77	8620	0.6542	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	244697	38.5	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.941				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91		8.525				ND	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	4112	0.4061	
91 o-Xylene	106	9.072	9.073	-0.001	1	1133	0.1148	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.334				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146		11.159				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		0.5209	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

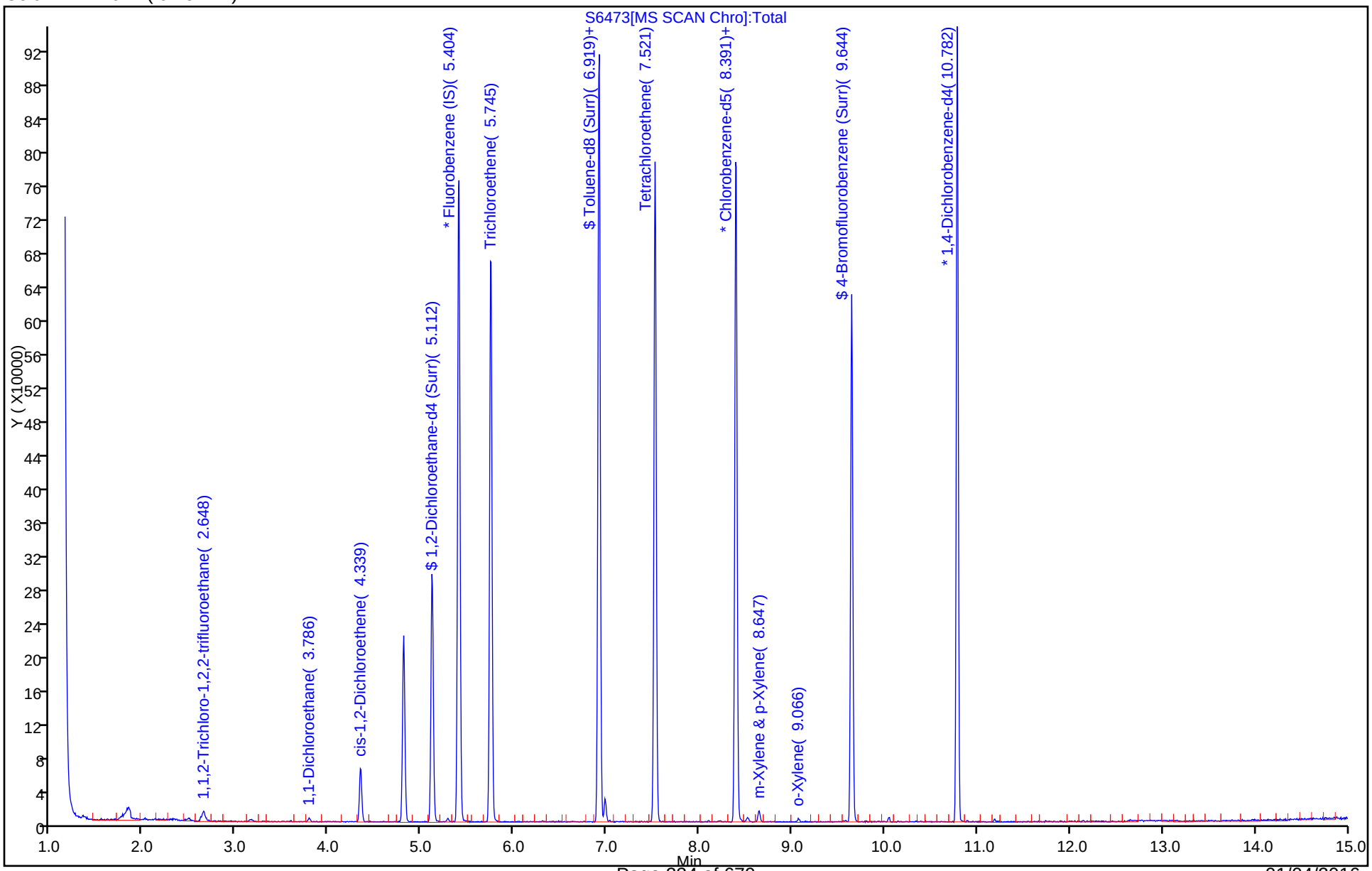
Report Date: 23-Dec-2015 12:18:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D

Injection Date:	22-Dec-2015 18:39:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11	Worklist Smp#:	23
Client ID:	B37-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	23
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

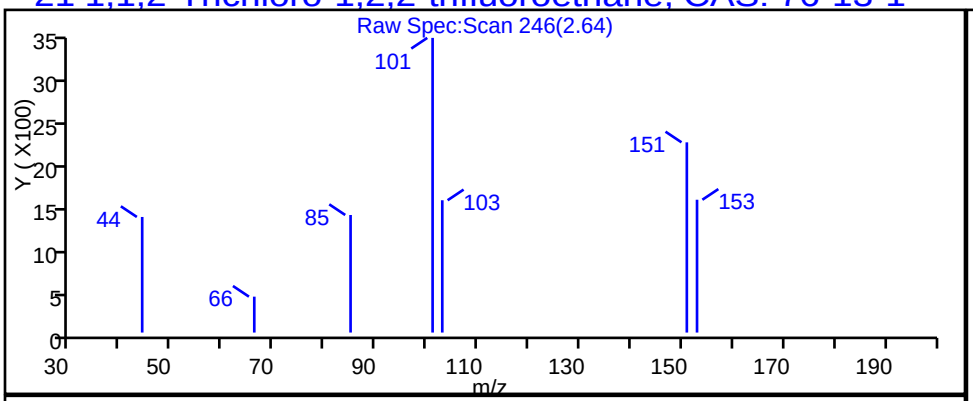


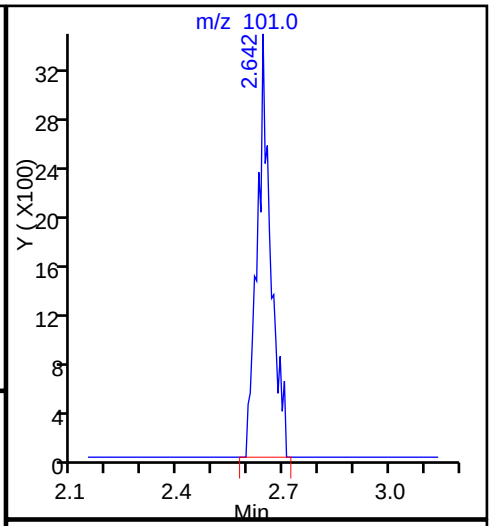
TestAmerica Buffalo

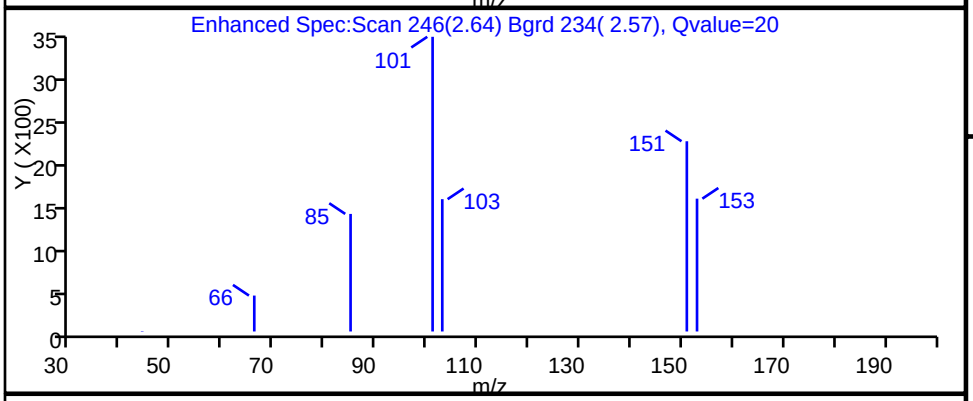
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D

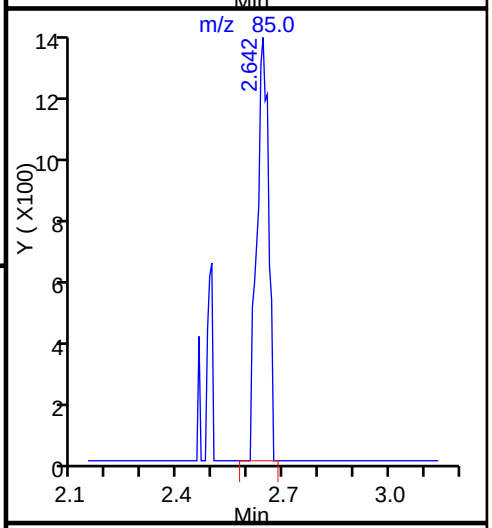
Injection Date:	22-Dec-2015 18:39:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	23 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

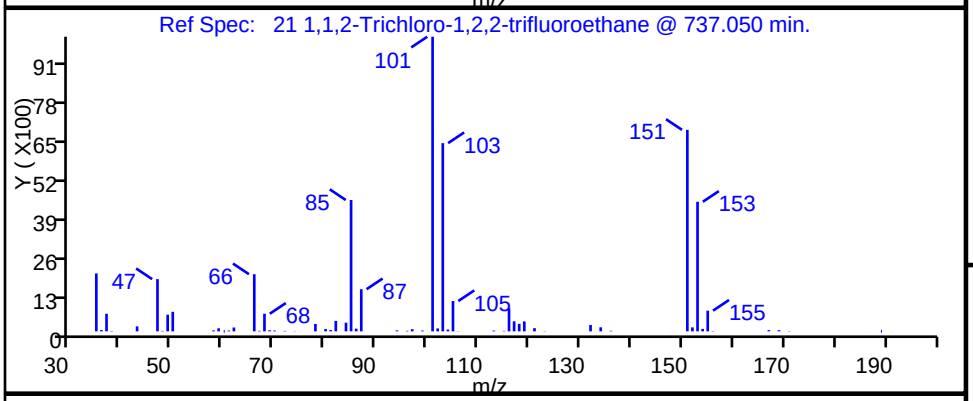
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

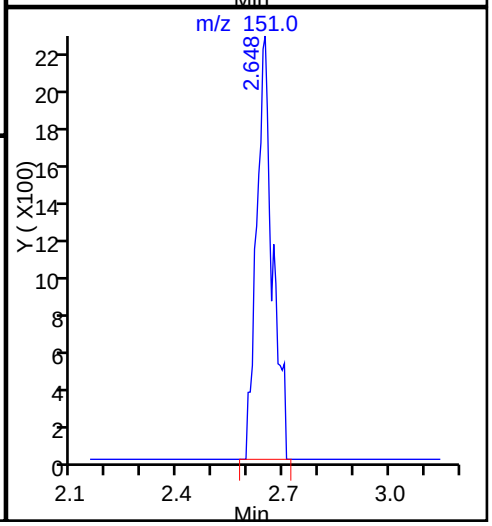


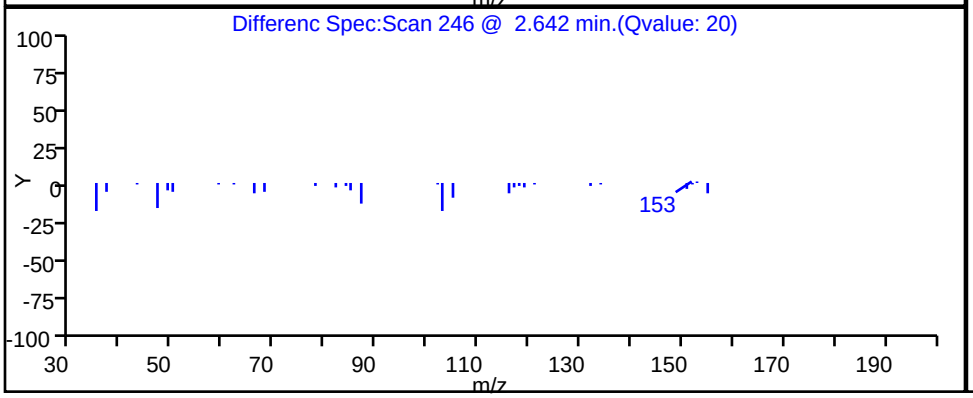










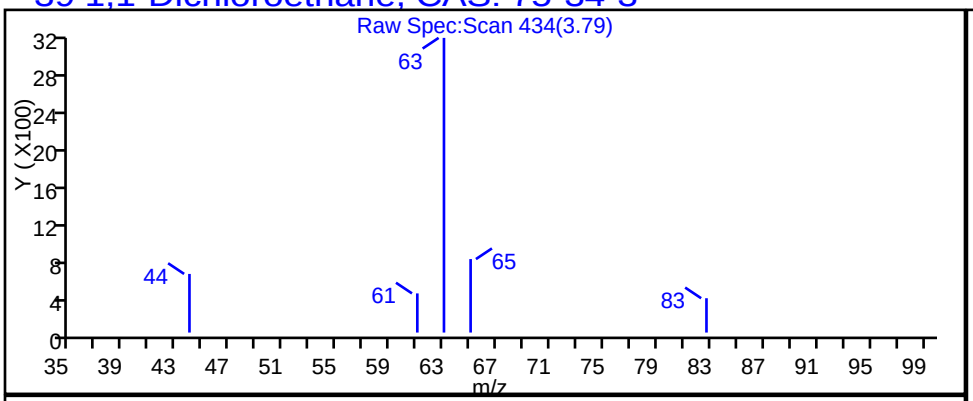


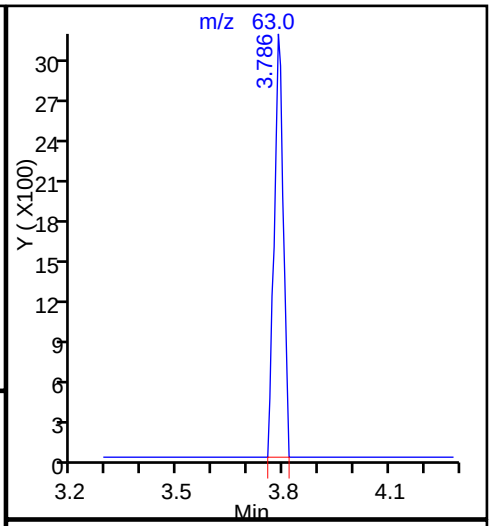
TestAmerica Buffalo

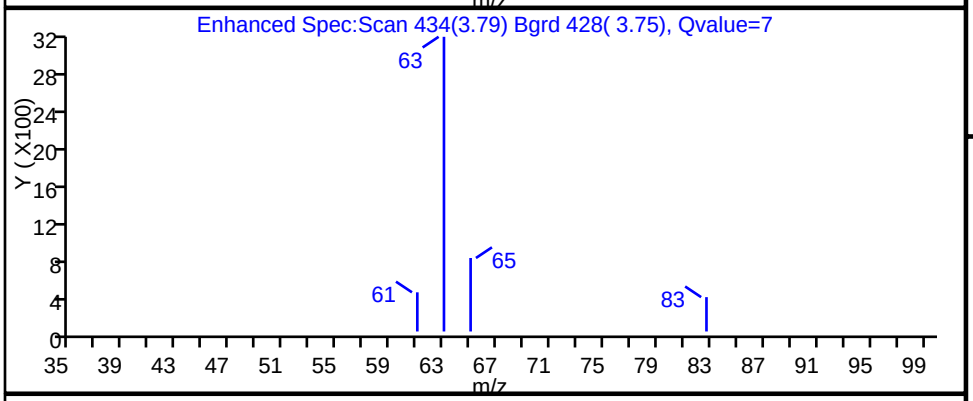
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D

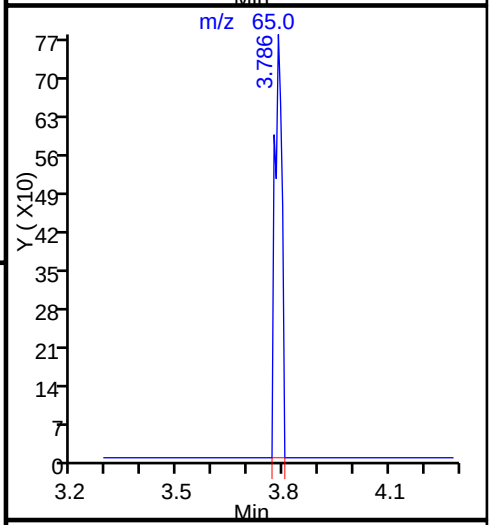
Injection Date:	22-Dec-2015 18:39:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	23 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

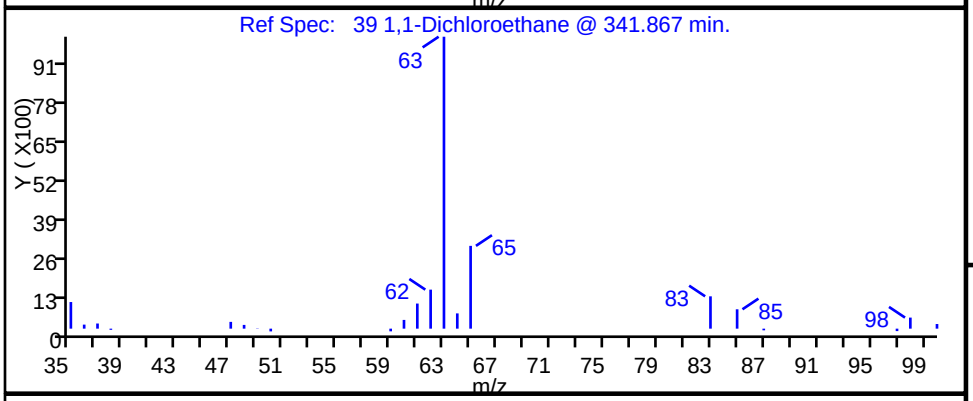
39 1,1-Dichloroethane, CAS: 75-34-3

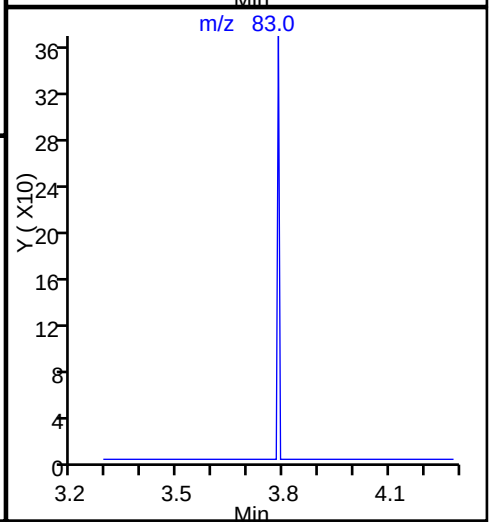


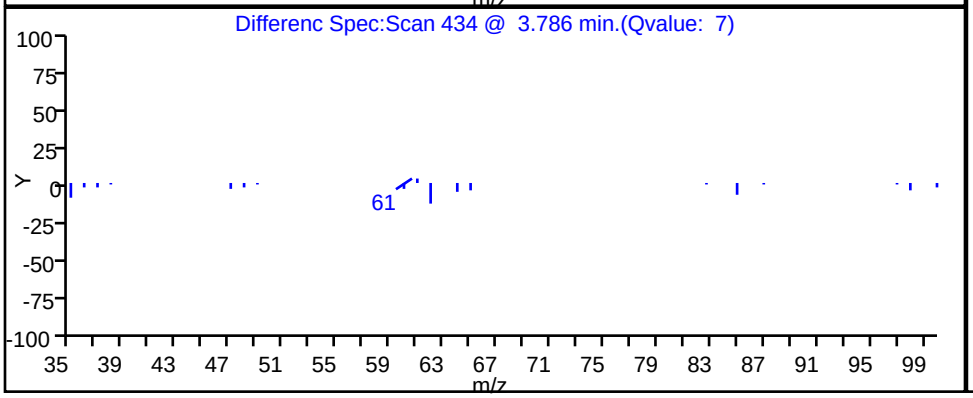








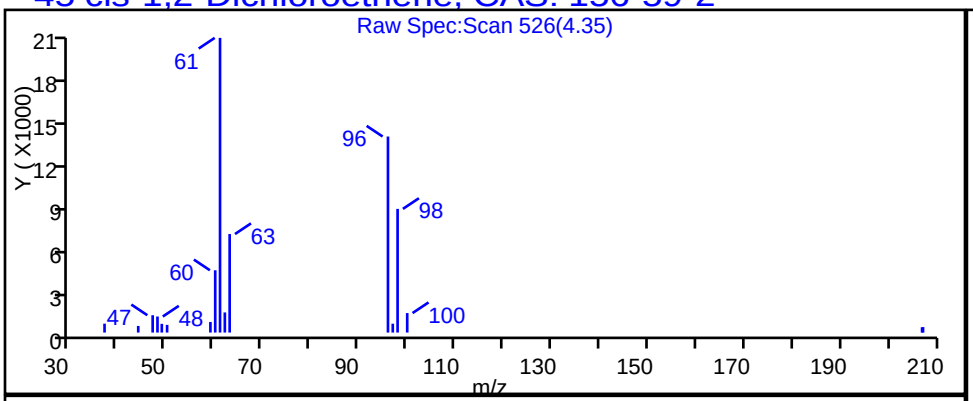


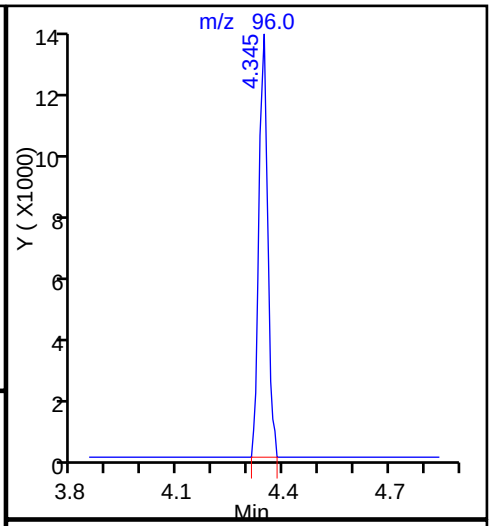


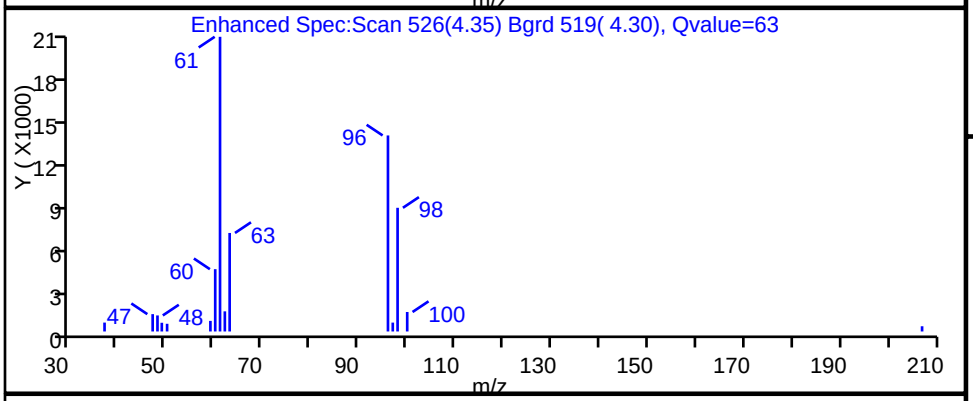
TestAmerica Buffalo

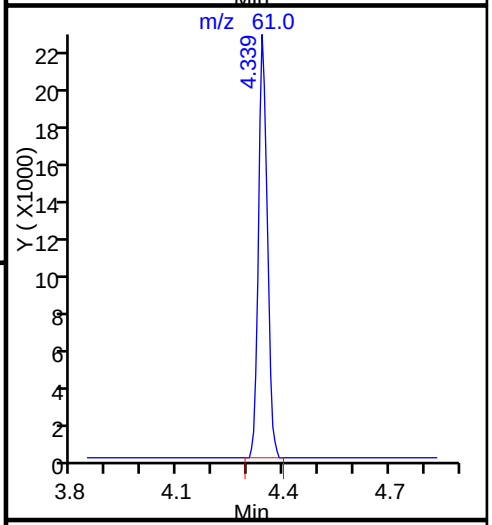
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D				
Injection Date:	22-Dec-2015 18:39:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11		
Client ID:	B37-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

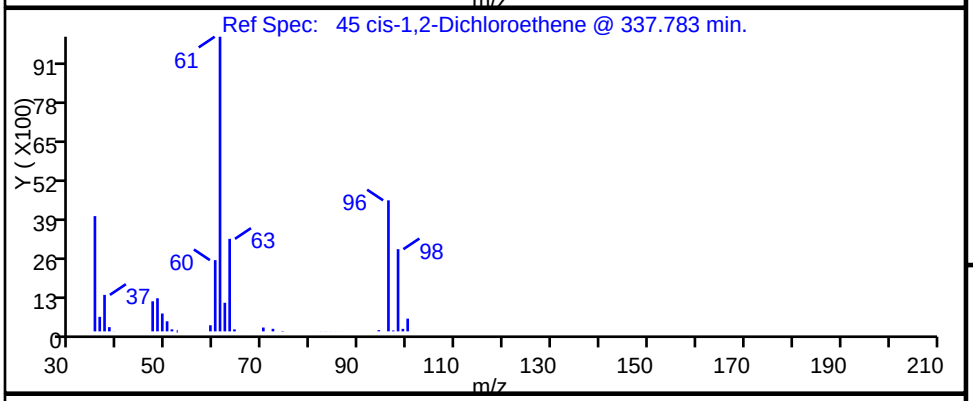
45 cis-1,2-Dichloroethene, CAS: 156-59-2

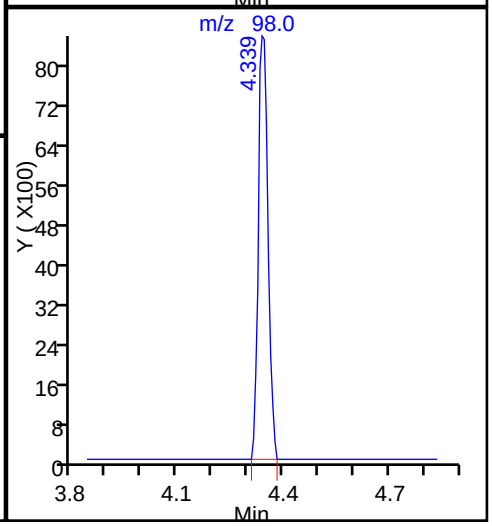


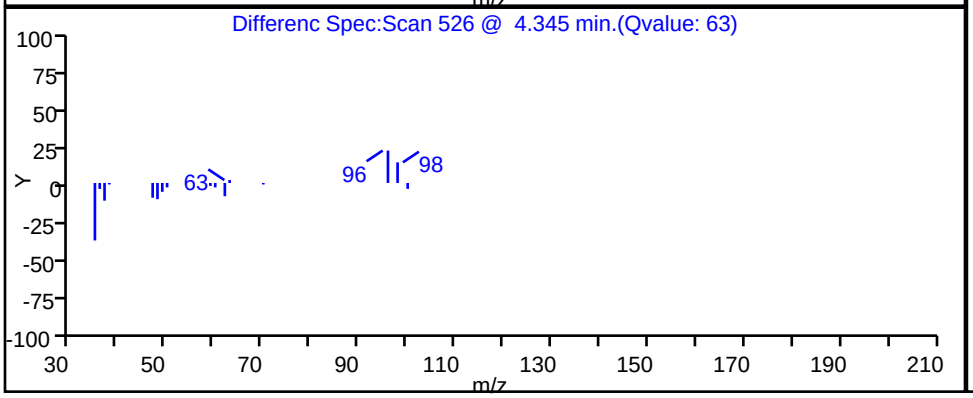










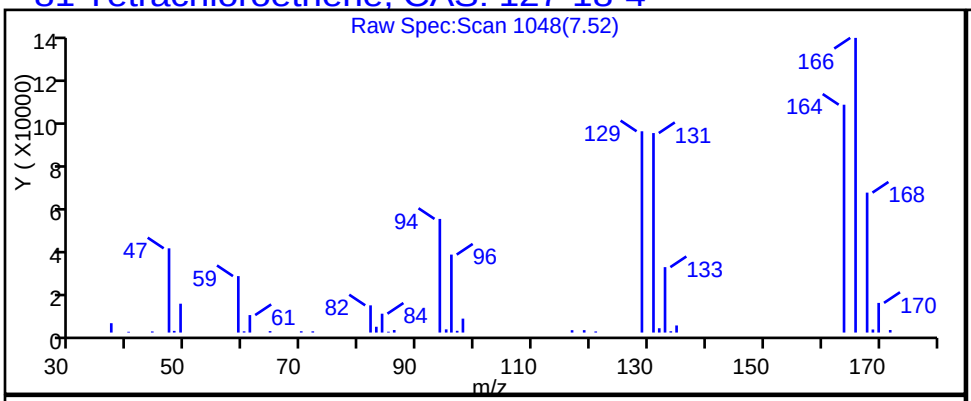


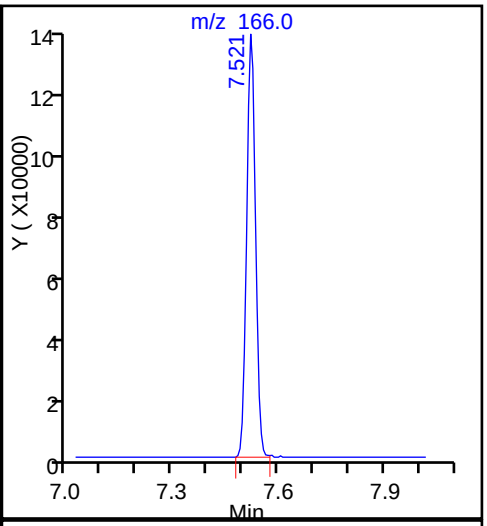
TestAmerica Buffalo

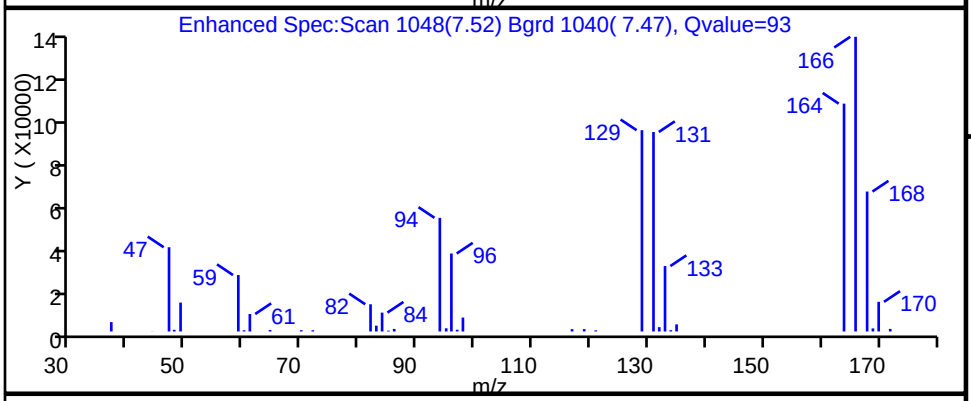
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D

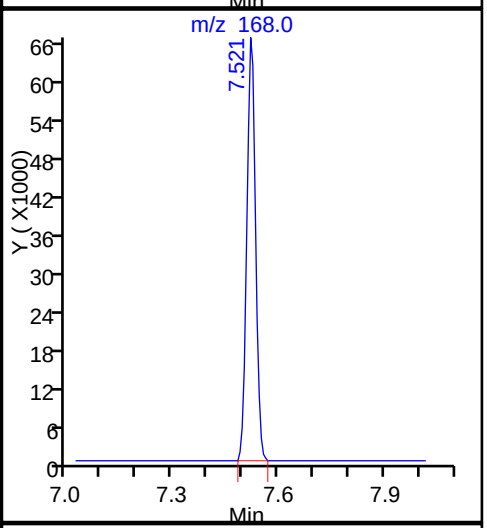
Injection Date:	22-Dec-2015 18:39:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	23 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

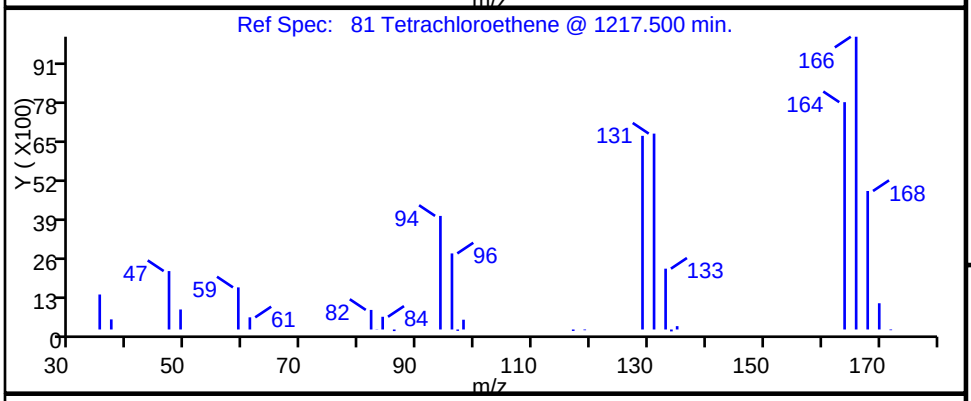
81 Tetrachloroethene, CAS: 127-18-4

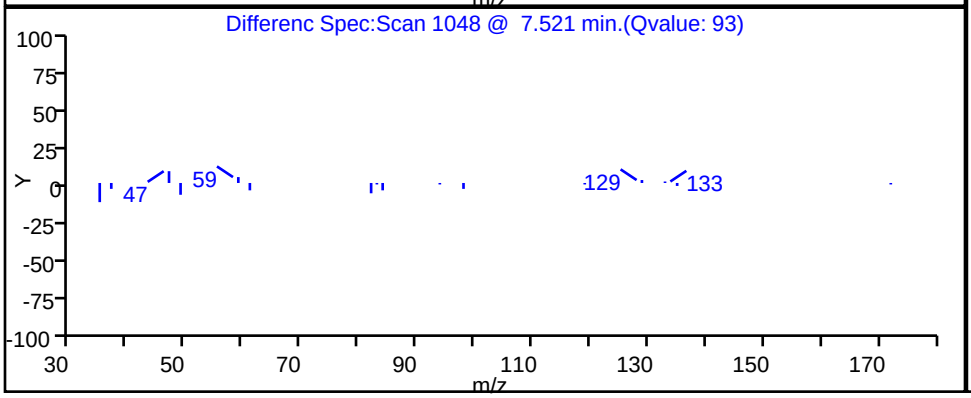


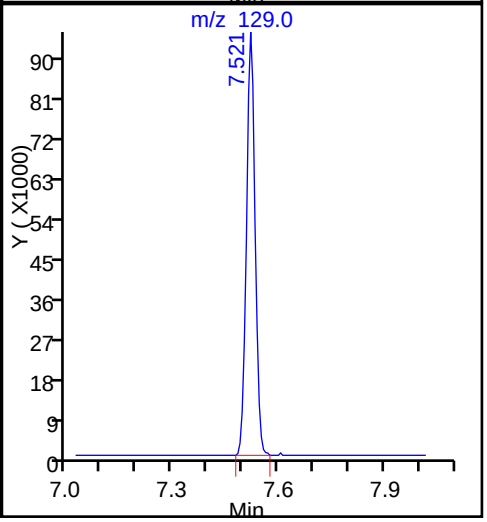












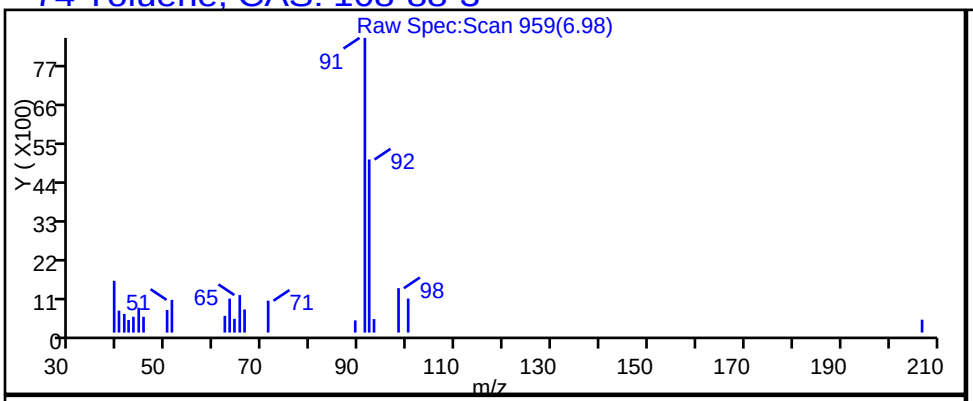
Report Date: 23-Dec-2015 12:18:32 Chrom Revision: 2.2 02-Dec-2015 11:51:48

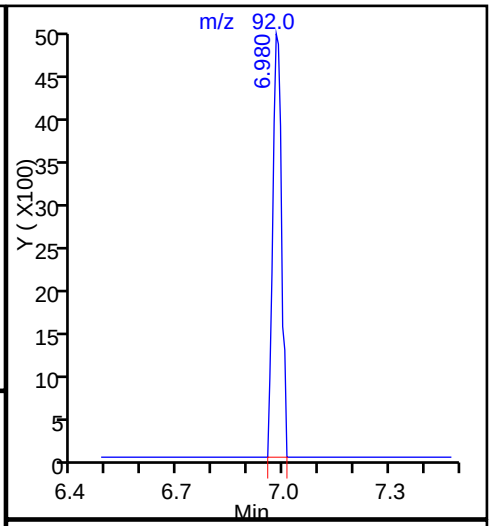
TestAmerica Buffalo

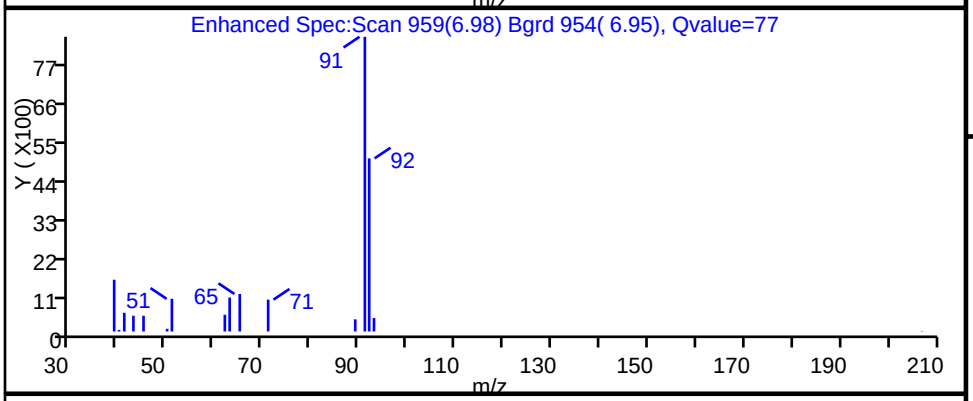
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D

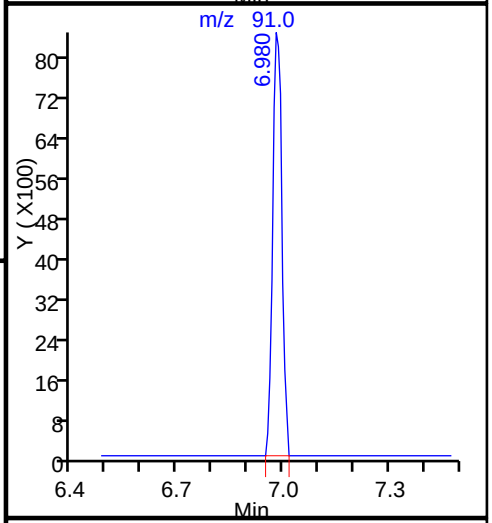
Injection Date:	22-Dec-2015 18:39:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11		
Client ID:	B37-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

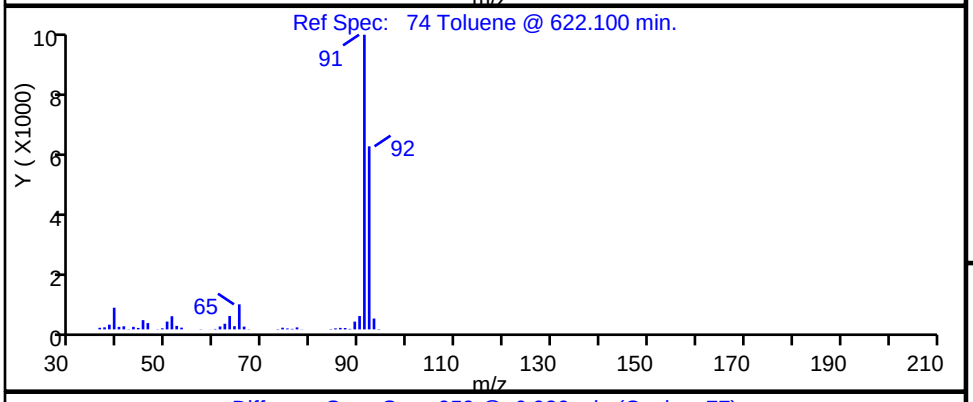
74 Toluene, CAS: 108-88-3

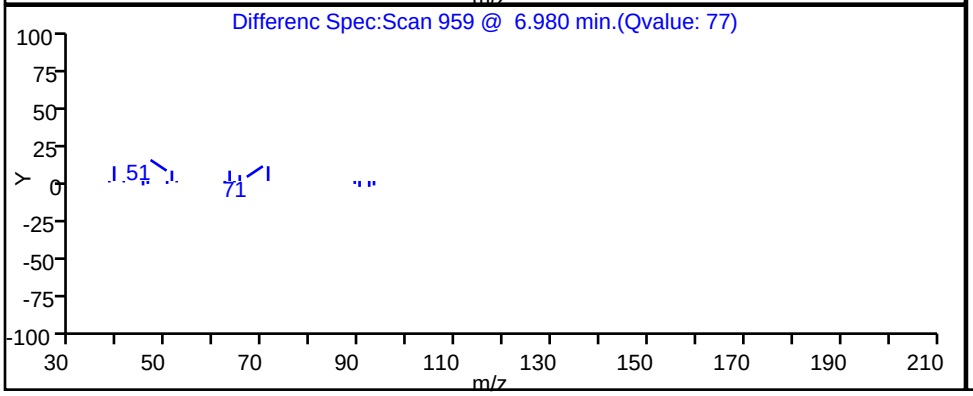


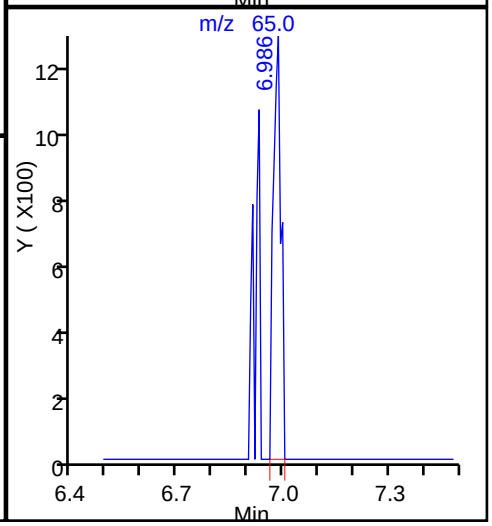










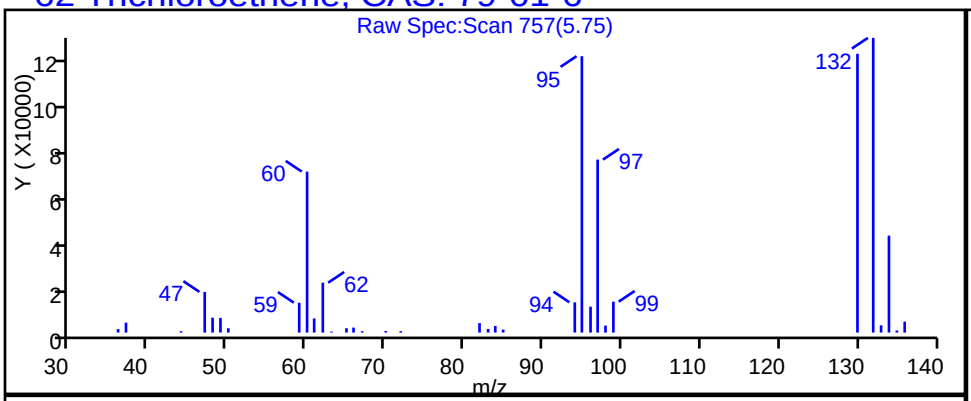


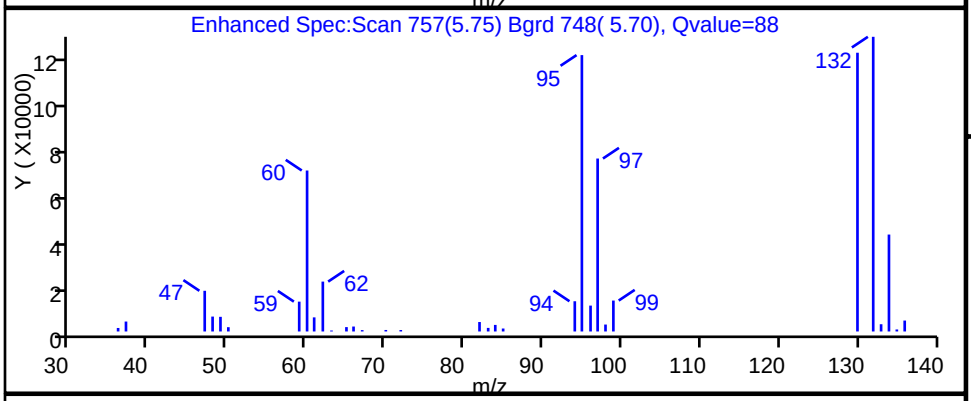
TestAmerica Buffalo

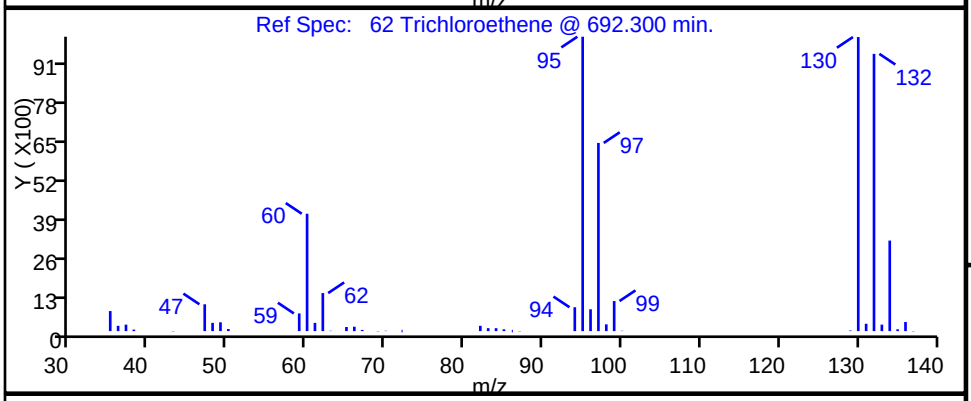
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6473.D

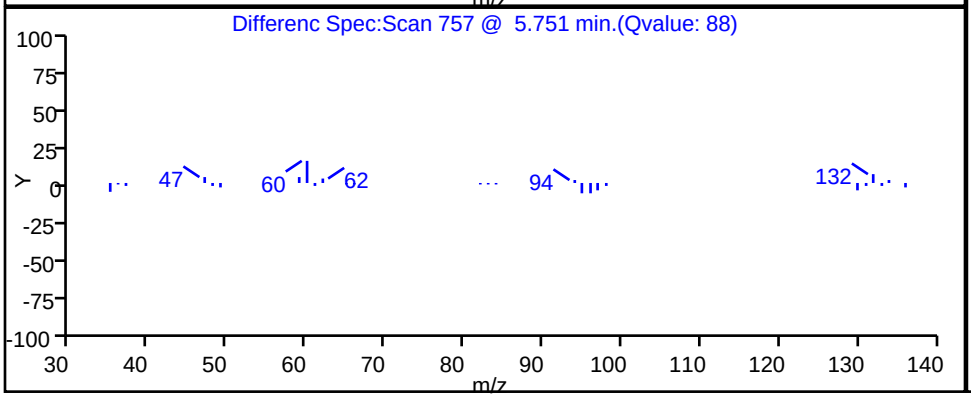
Injection Date:	22-Dec-2015 18:39:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-11-C	Lab Sample ID:	480-92744-11
Client ID:	B37-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	23 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

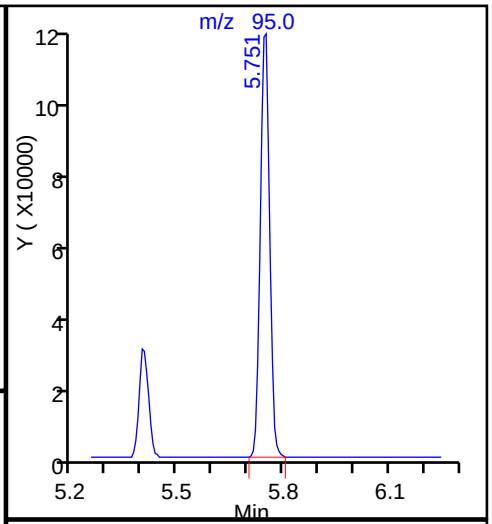
62 Trichloroethene, CAS: 79-01-6

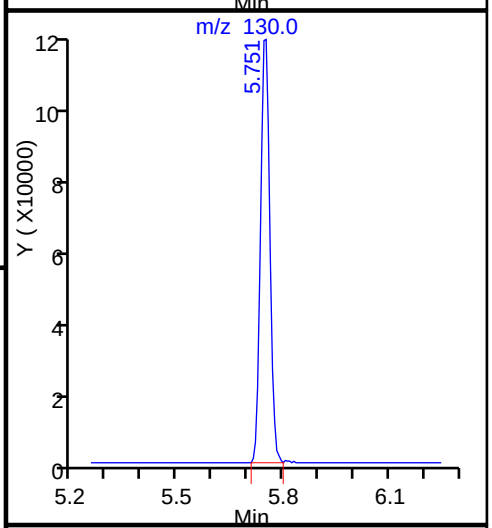


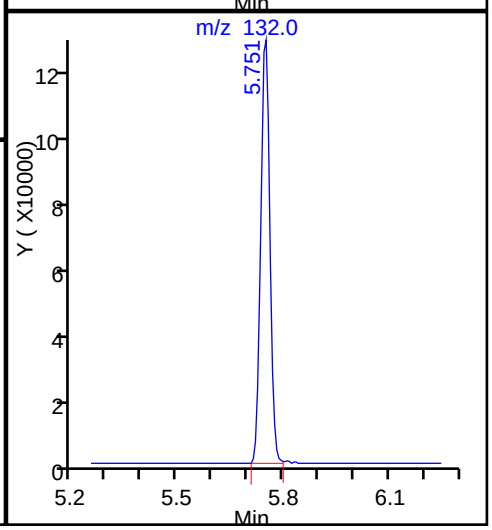












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S3 | Lab Sample ID: 480-92744-12

Matrix: Solid | Lab File ID: P2463.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:55

Sample wt/vol: 5.16(g) | Date Analyzed: 12/17/2015 19:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.7 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.3	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.3	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	1.4
79-00-5	1,1,2-Trichloroethane	ND		6.3	0.82
75-34-3	1,1-Dichloroethane	ND		6.3	0.76
75-35-4	1,1-Dichloroethene	ND		6.3	0.77
120-82-1	1,2,4-Trichlorobenzene	ND		6.3	0.38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.3	3.1
106-93-4	1,2-Dibromoethane	ND		6.3	0.81
95-50-1	1,2-Dichlorobenzene	ND		6.3	0.49
107-06-2	1,2-Dichloroethane	ND		6.3	0.31
78-87-5	1,2-Dichloropropane	ND		6.3	3.1
541-73-1	1,3-Dichlorobenzene	ND		6.3	0.32
106-46-7	1,4-Dichlorobenzene	ND		6.3	0.88
78-93-3	2-Butanone (MEK)	ND		31	2.3
591-78-6	2-Hexanone	ND		31	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		31	2.1
67-64-1	Acetone	44	B	31	5.3
71-43-2	Benzene	ND		6.3	0.31
75-27-4	Bromodichloromethane	ND		6.3	0.84
75-25-2	Bromoform	ND		6.3	3.1
74-83-9	Bromomethane	ND		6.3	0.56
75-15-0	Carbon disulfide	ND		6.3	3.1
56-23-5	Carbon tetrachloride	ND		6.3	0.61
108-90-7	Chlorobenzene	ND		6.3	0.83
75-00-3	Chloroethane	ND		6.3	1.4
67-66-3	Chloroform	ND		6.3	0.39
74-87-3	Chloromethane	ND		6.3	0.38
156-59-2	cis-1,2-Dichloroethene	2.9	J	6.3	0.80
10061-01-5	cis-1,3-Dichloropropene	ND		6.3	0.90
110-82-7	Cyclohexane	ND		6.3	0.88
124-48-1	Dibromochloromethane	ND		6.3	0.80
75-71-8	Dichlorodifluoromethane	ND		6.3	0.52
100-41-4	Ethylbenzene	ND		6.3	0.43
98-82-8	Isopropylbenzene	ND		6.3	0.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B37-POLEBARN-S3 | Lab Sample ID: 480-92744-12

Matrix: Solid | Lab File ID: P2463.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:55

Sample wt/vol: 5.16(g) | Date Analyzed: 12/17/2015 19:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.7 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.3	3.8
1634-04-4	Methyl tert-butyl ether	ND		6.3	0.62
108-87-2	Methylcyclohexane	ND		6.3	0.95
75-09-2	Methylene Chloride	ND		6.3	2.9
100-42-5	Styrene	ND		6.3	0.31
127-18-4	Tetrachloroethene	4.2	J	6.3	0.84
108-88-3	Toluene	ND		6.3	0.47
156-60-5	trans-1,2-Dichloroethene	ND		6.3	0.65
10061-02-6	trans-1,3-Dichloropropene	ND		6.3	2.8
79-01-6	Trichloroethene	7.9		6.3	1.4
75-69-4	Trichlorofluoromethane	ND		6.3	0.59
75-01-4	Vinyl chloride	ND		6.3	0.76
1330-20-7	Xylenes, Total	ND		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	89		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2463.D
Lims ID: 480-92744-A-12-A Lab Sample ID: 480-92744-12
Client ID: B37-POLEBARN-S3
Sample Type: Client
Inject. Date: 17-Dec-2015 19:41:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-12-A
Misc. Info.: 480-0049333-021
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:43:42 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:44:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	276800	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	517909	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	438507	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	234189	54.7	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	1178897	52.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	88	350816	44.5	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.311	-0.006	88	9627	1.04	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	97	112168	35.4	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.779				ND	
31 Methylene Chloride	84	6.986	6.986	0.000	96	29187	1.19	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	93	9633	0.5562	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	84	19557	2.31	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.351	10.351	0.000	96	51888	6.28	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.516				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	88	23628	3.35	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.004				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

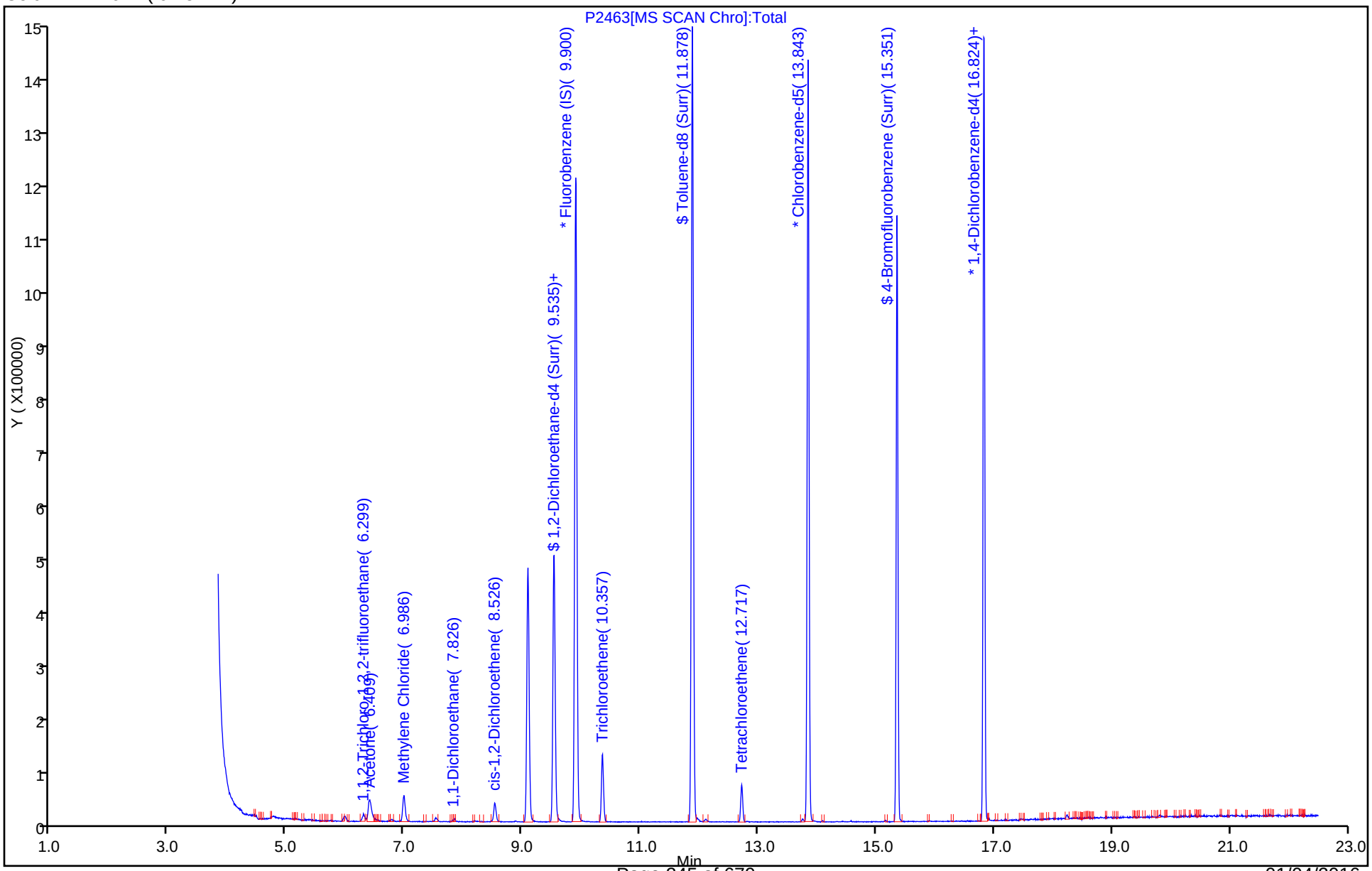
Report Date: 18-Dec-2015 01:44:40 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2463.D

Injection Date:	17-Dec-2015 19:41:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-12-A	Lab Sample ID:	480-92744-12	Worklist Smp#:	21
Client ID:	B37-POLEBARN-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

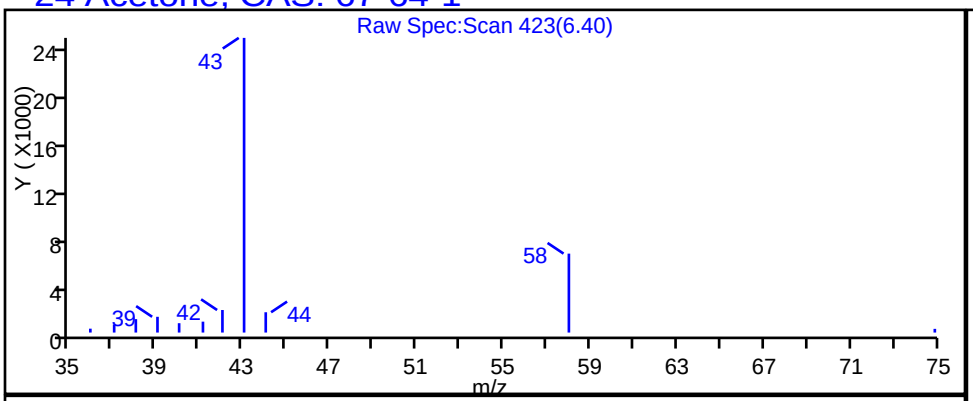


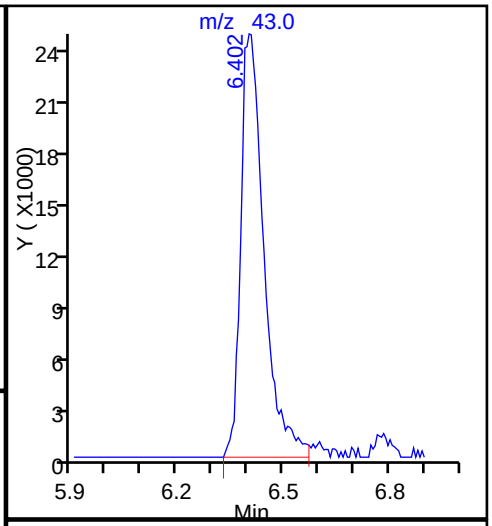
TestAmerica Buffalo

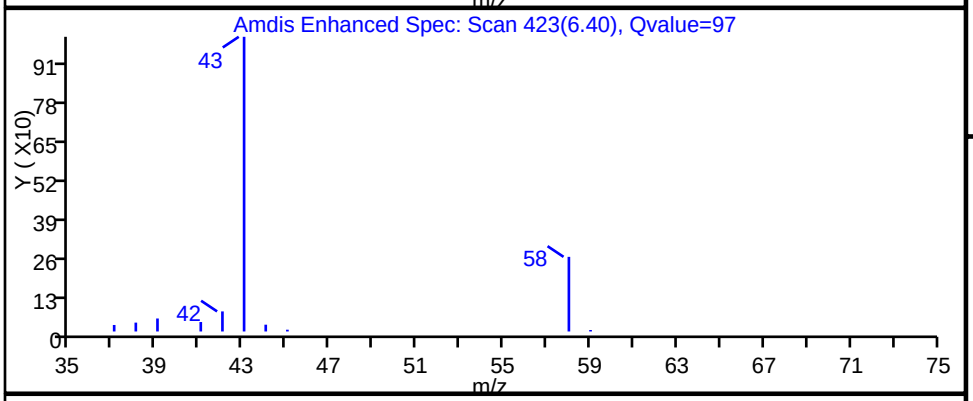
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2463.D

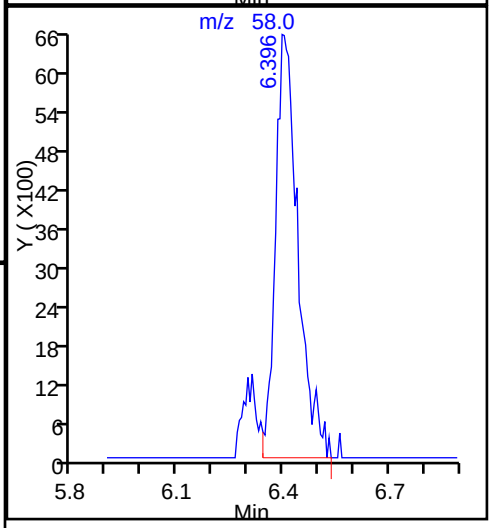
Injection Date:	17-Dec-2015 19:41:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-12-A	Lab Sample ID:	480-92744-12
Client ID:	B37-POLEBARN-S3		
Operator ID:	CDC	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

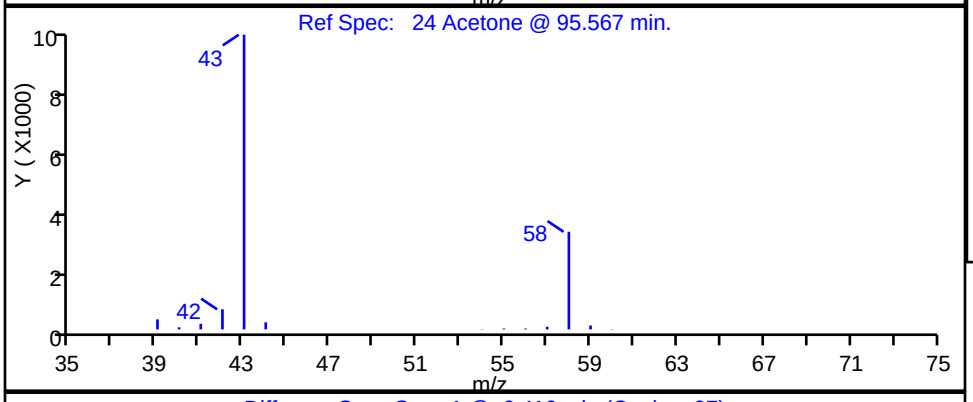
24 Acetone, CAS: 67-64-1

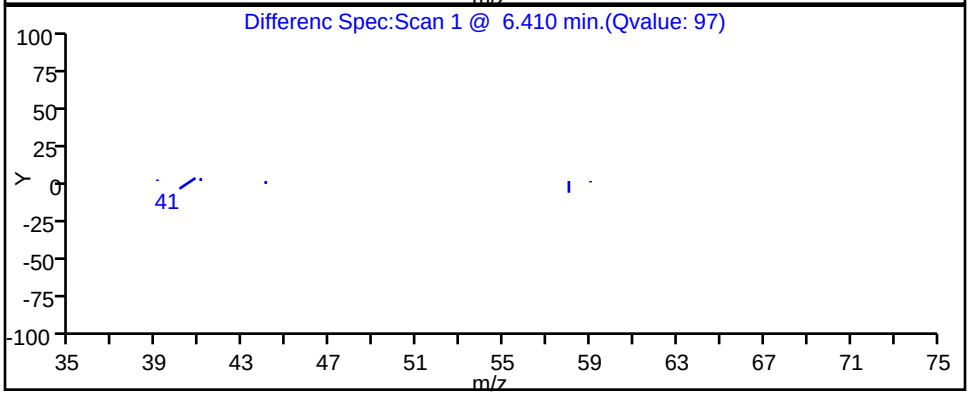








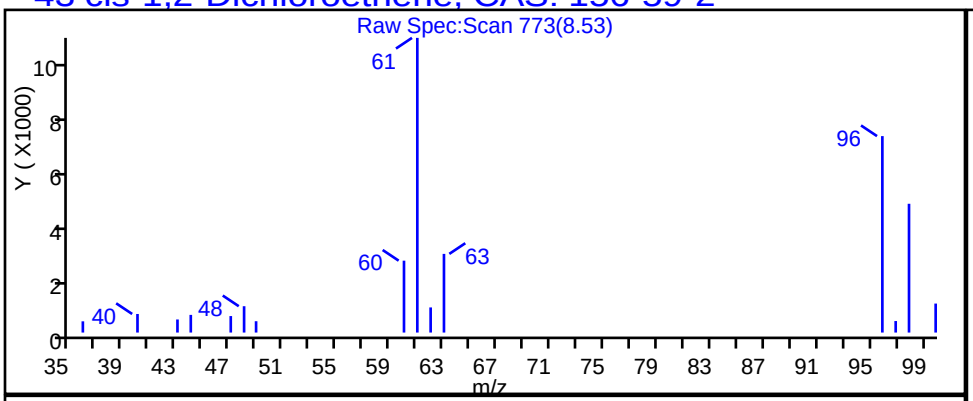


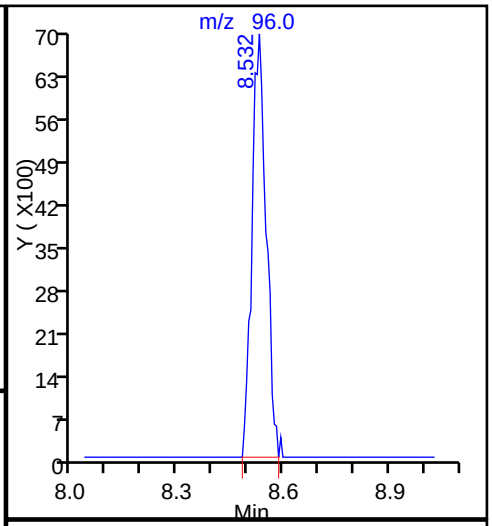


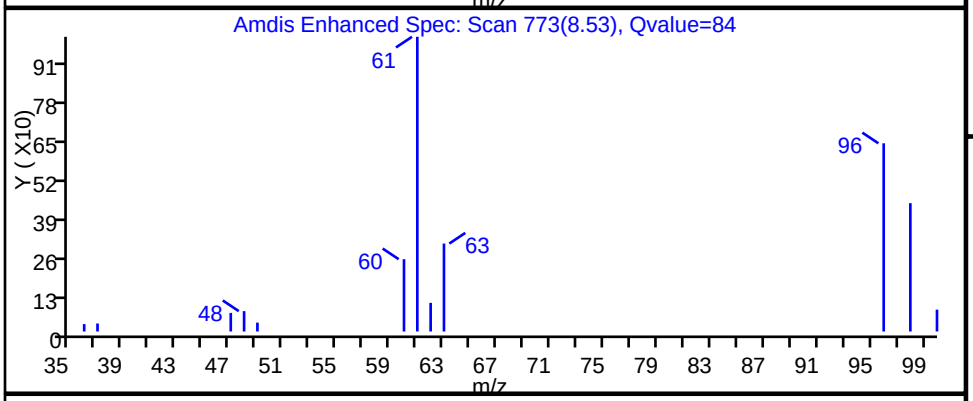
TestAmerica Buffalo

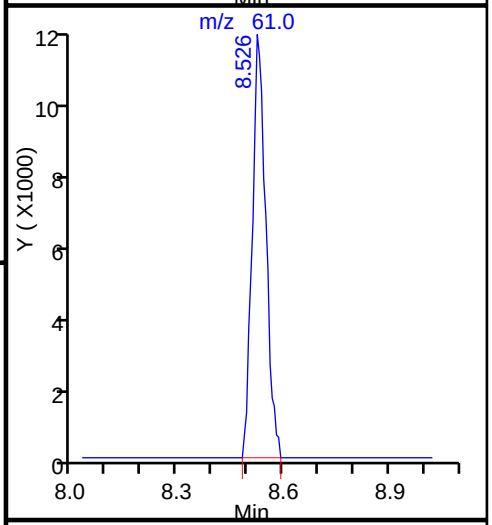
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2463.D				
Injection Date:	17-Dec-2015 19:41:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-12-A	Lab Sample ID:	480-92744-12		
Client ID:	B37-POLEBARN-S3				
Operator ID:	CDC	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

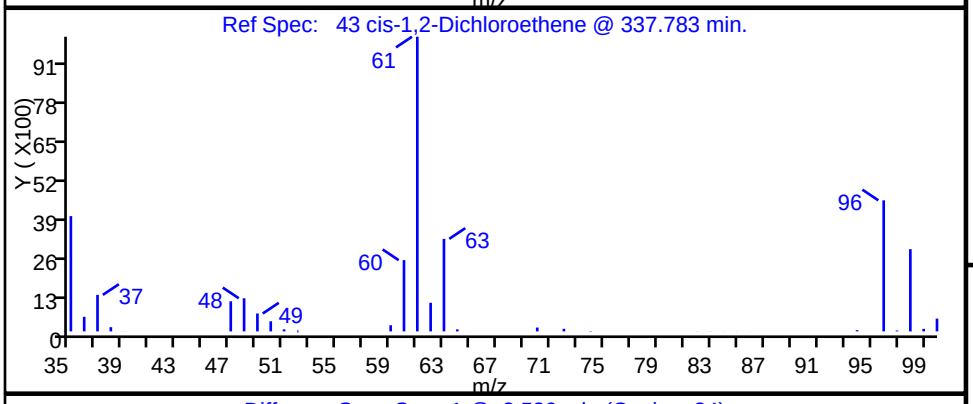
43 cis-1,2-Dichloroethene, CAS: 156-59-2

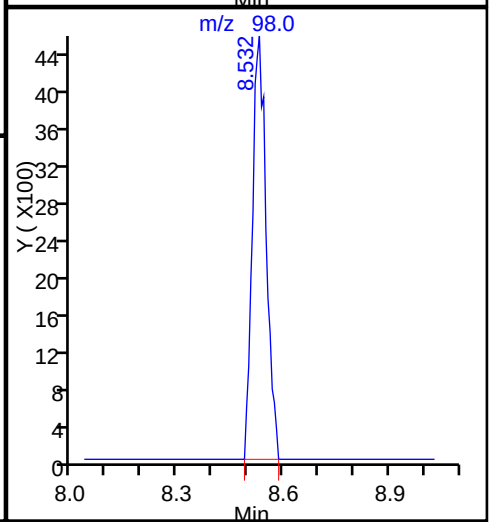


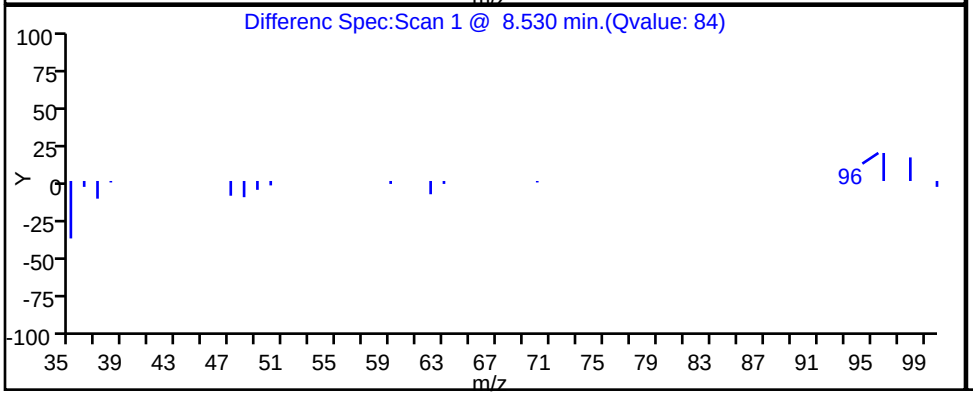










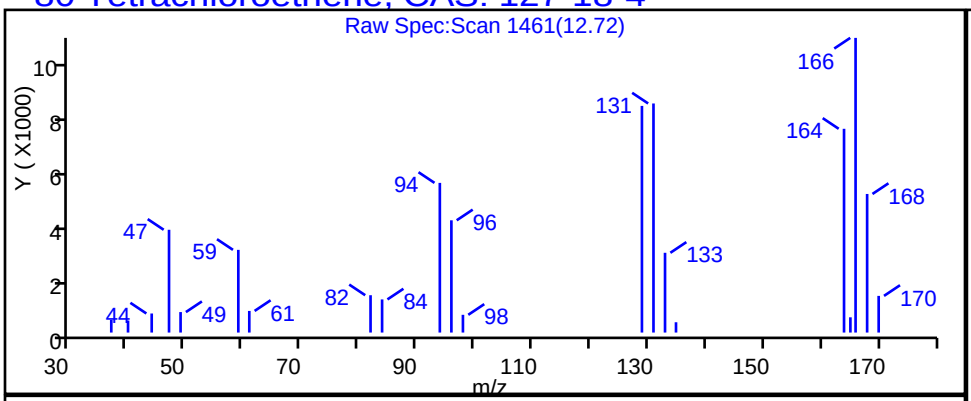


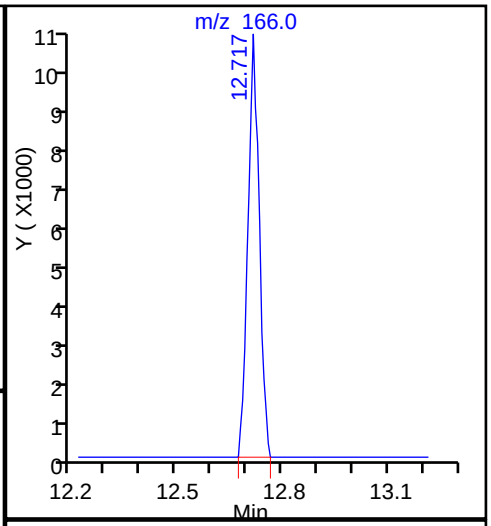
TestAmerica Buffalo

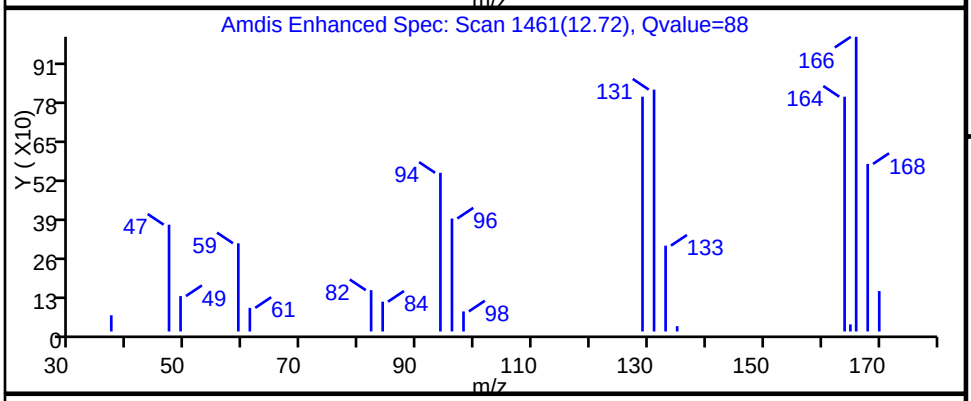
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2463.D

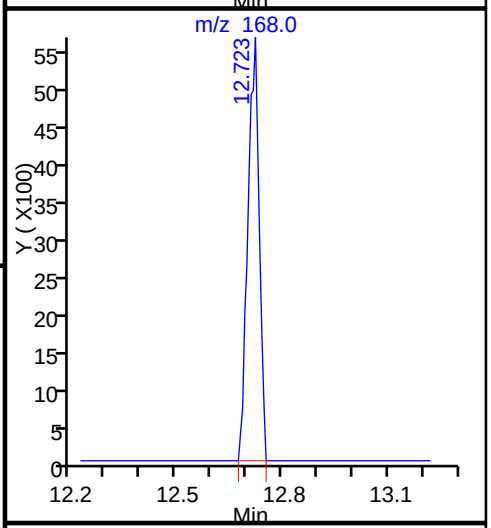
Injection Date:	17-Dec-2015 19:41:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-12-A	Lab Sample ID:	480-92744-12
Client ID:	B37-POLEBARN-S3		
Operator ID:	CDC	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

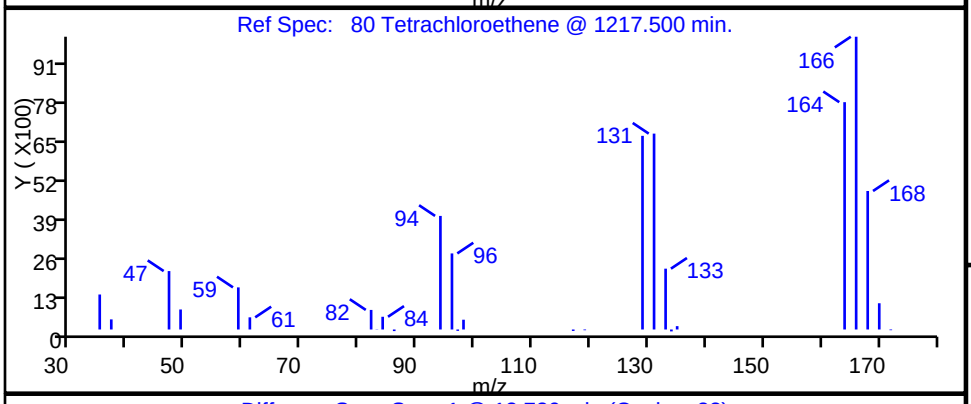
80 Tetrachloroethene, CAS: 127-18-4

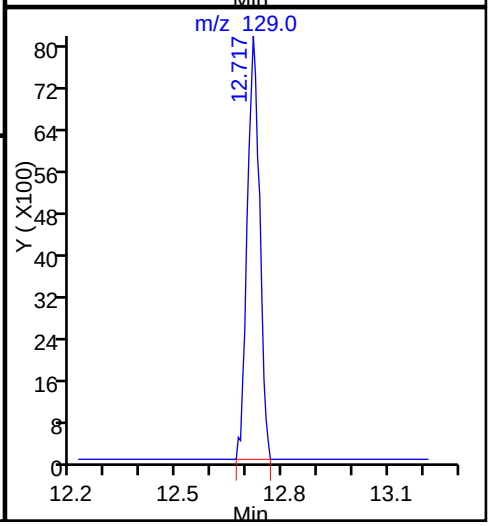


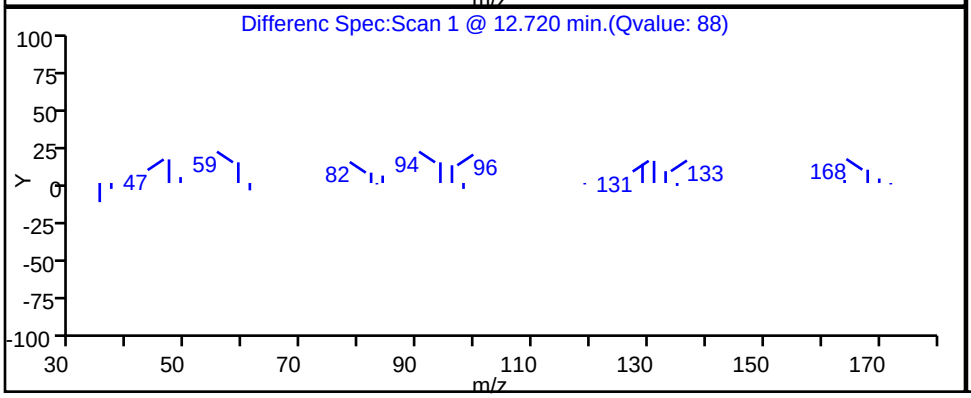








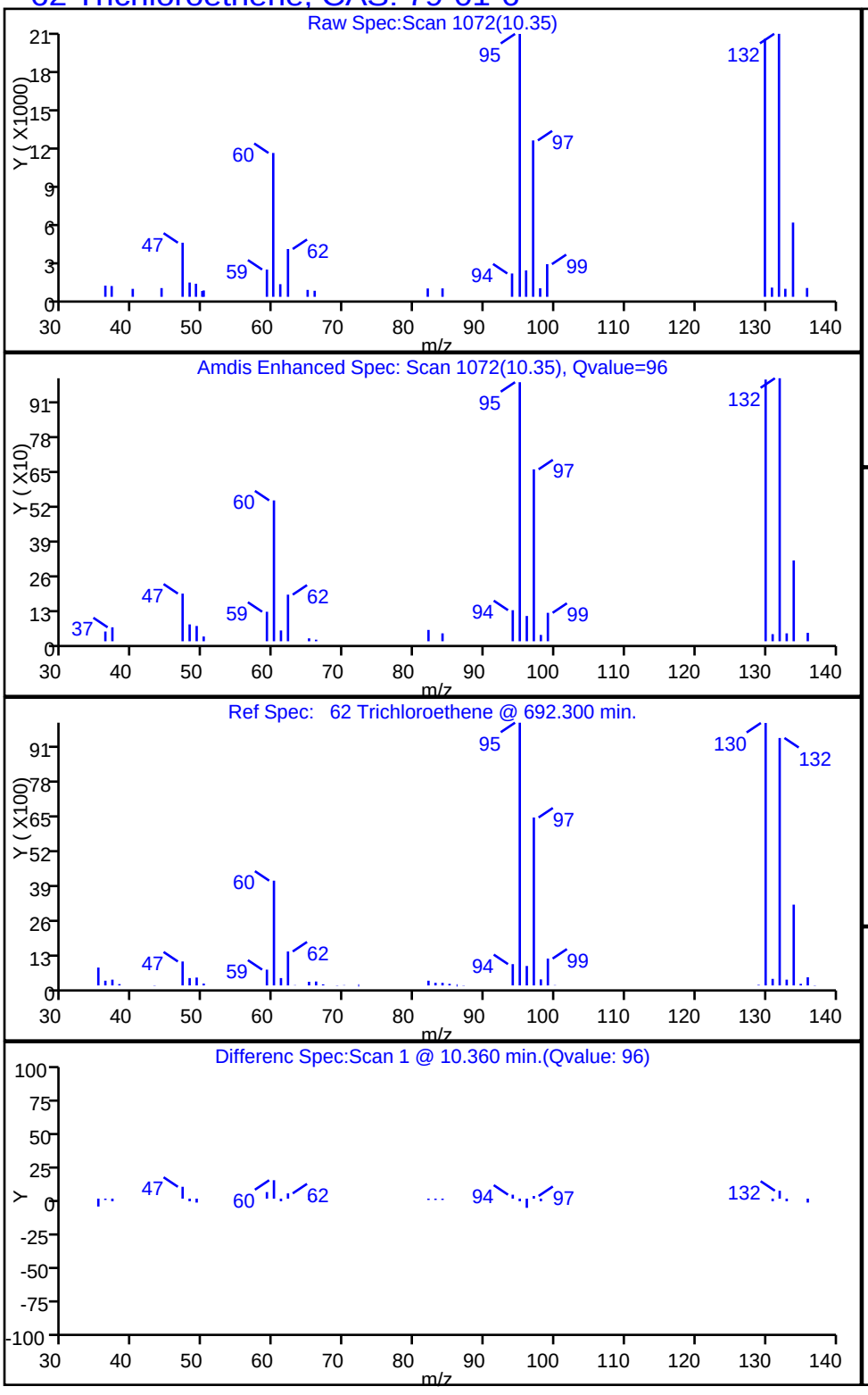


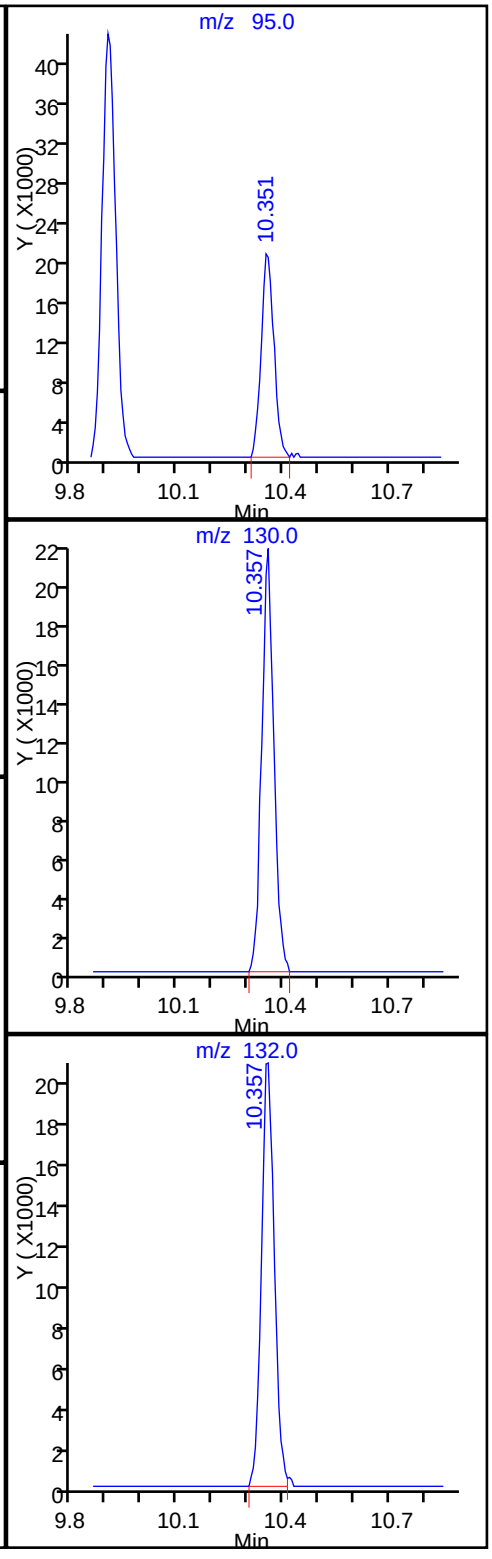


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2463.D		
Injection Date:	17-Dec-2015 19:41:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-12-A	Lab Sample ID:	480-92744-12
Client ID:	B37-POLEBARN-S3		
Operator ID:	CDC	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S1 | Lab Sample ID: 480-92744-13

Matrix: Solid | Lab File ID: P2464.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:15

Sample wt/vol: 5.01(g) | Date Analyzed: 12/17/2015 20:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.7 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.89
76-13-1	*1,1,2-Trichloro-1,2,2-trifluoroethane*	*430*	*E*	*5.5*	*1.2*
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
75-34-3	1,1-Dichloroethane	1.5	J	5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	2.2	J B	27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	3.4	J	27	1.8
67-64-1	Acetone	5.5	J B	27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.73
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	5.2	J	5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.72
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	2.6	J	5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S1 | Lab Sample ID: 480-92744-13

Matrix: Solid | Lab File ID: P2464.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:15

Sample wt/vol: 5.01(g) | Date Analyzed: 12/17/2015 20:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.7 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	1.4	J	5.5	0.73
108-88-3	Toluene	ND		5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	3.5	J	5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	6.4		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	91		72-126
2037-26-5	Toluene-d8 (Surr)	103		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D
Lims ID: 480-92744-A-13-A Lab Sample ID: 480-92744-13
Client ID: B38-POLEBARN-S1
Sample Type: Client
Inject. Date: 17-Dec-2015 20:09:30 ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-13-A
Misc. Info.: 480-0049333-022
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:46:30 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:46:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.894	0.007	98	302268	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	591727	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	538942	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	249993	53.5	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	94	1330473	51.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	412155	45.7	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62	4.559	4.577	-0.018	98	39584	5.82	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.311	-0.006	96	3999952	397.0	E
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.396	6.396	0.000	72	17396	5.02	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.774	6.779	-0.005	100	148626	4.76	M
31 Methylene Chloride	84		6.986				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	26476	1.40	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	99	10463	2.05	
43 cis-1,2-Dichloroethene	96	8.526	8.525	0.001	84	22137	2.40	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.351	10.351	0.000	94	28592	3.17	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	98	30845	3.15	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.516				ND	
80 Tetrachloroethene	166	12.711	12.711	0.000	90	10104	1.25	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.004				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

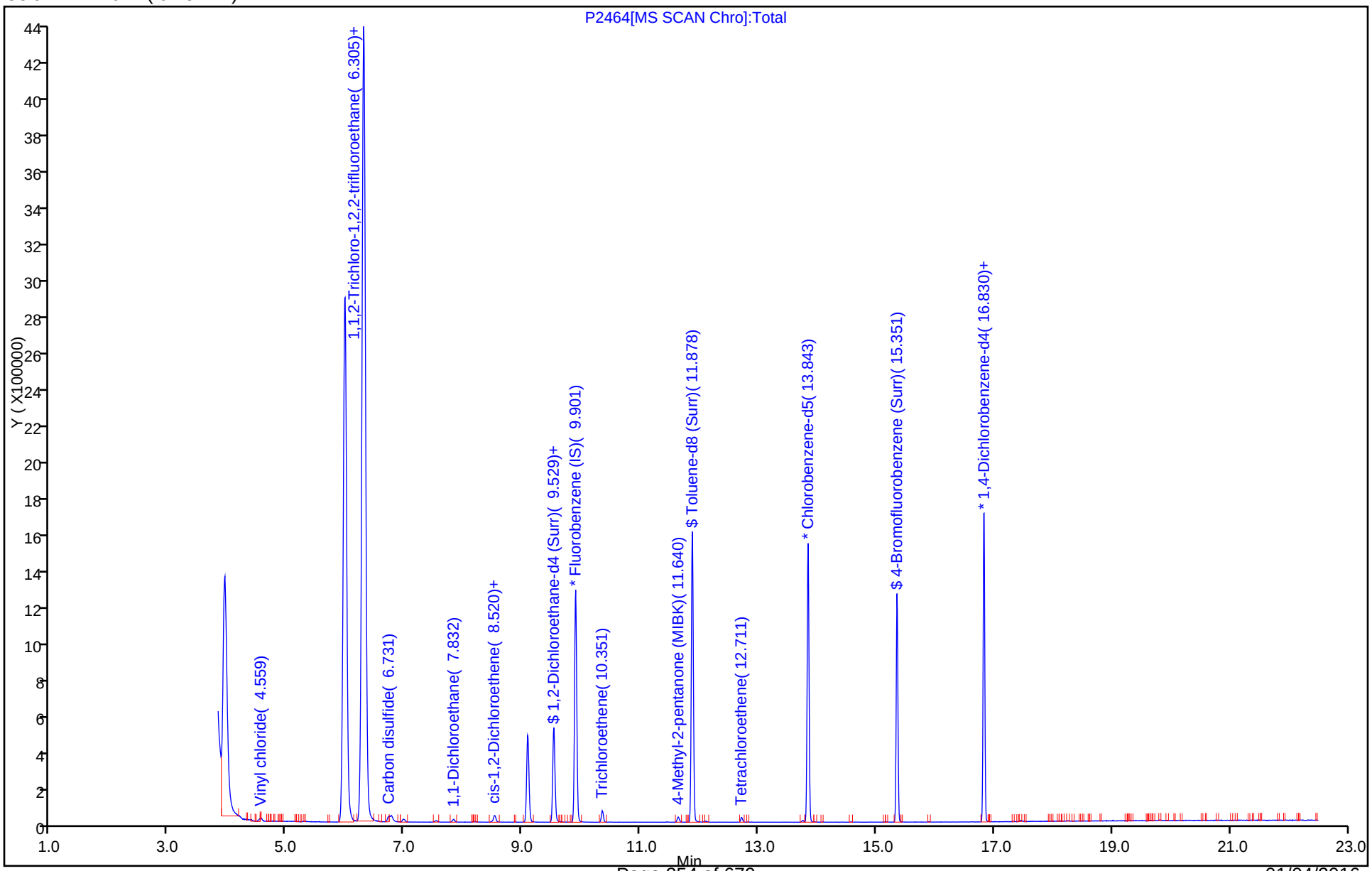
Report Date: 18-Dec-2015 01:46:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D

Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13	Worklist Smp#:	22
Client ID:	B38-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

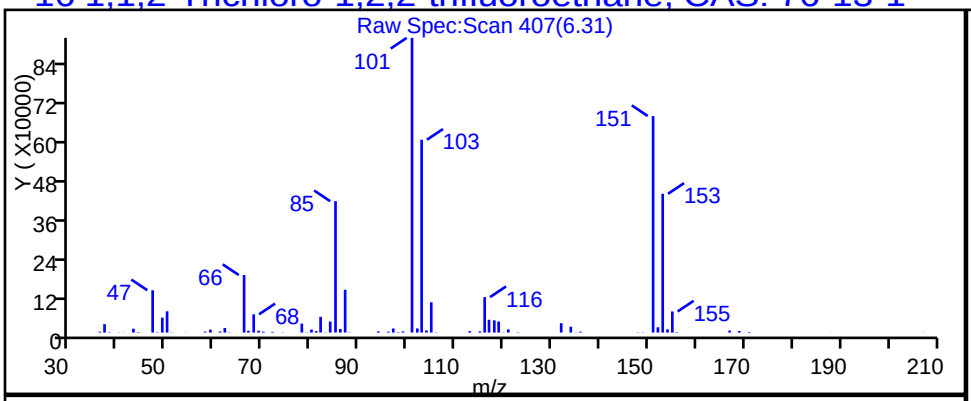


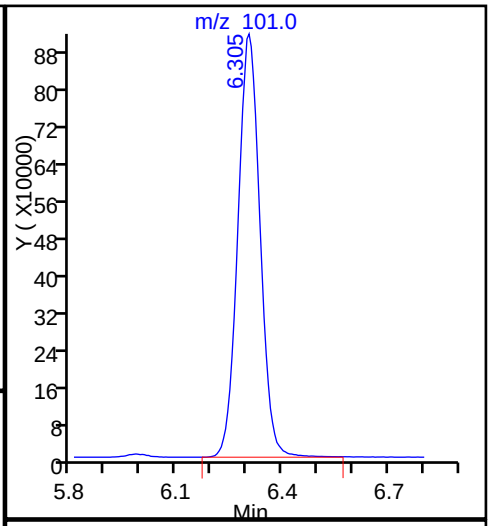
TestAmerica Buffalo

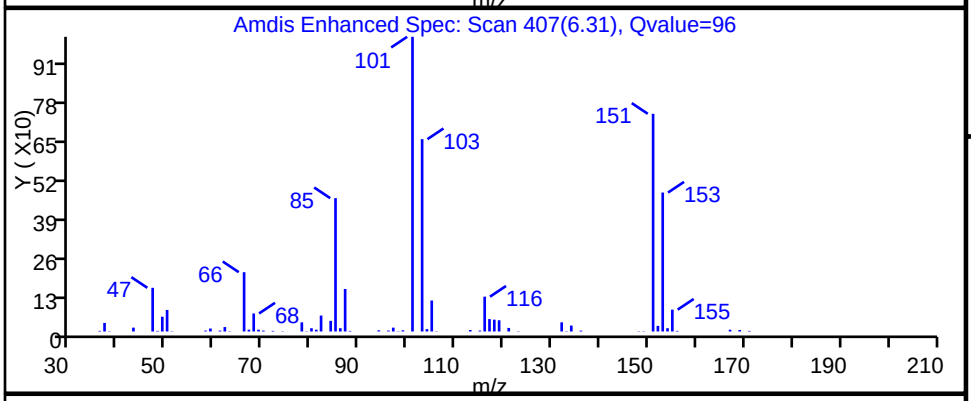
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D

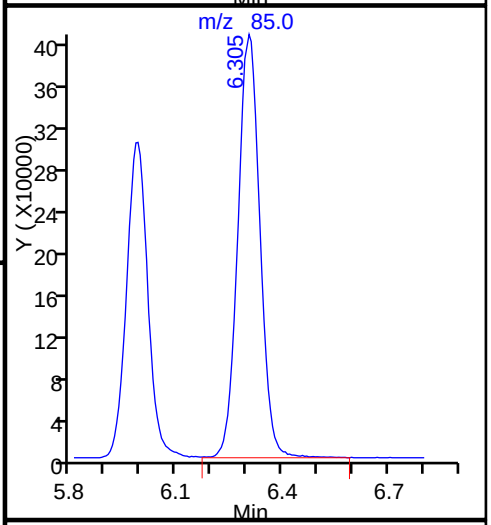
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

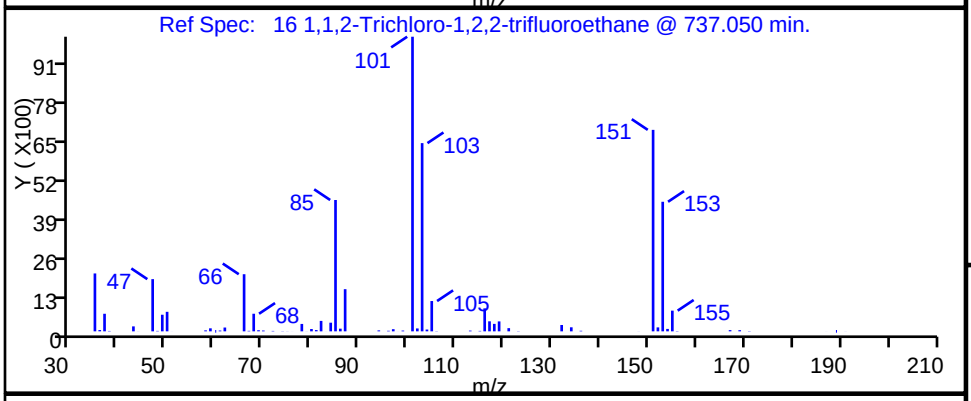
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

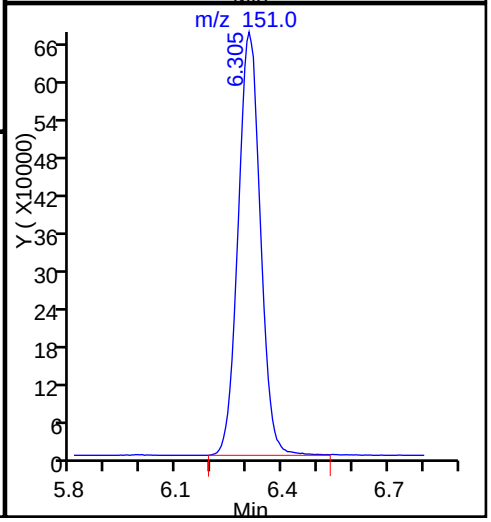


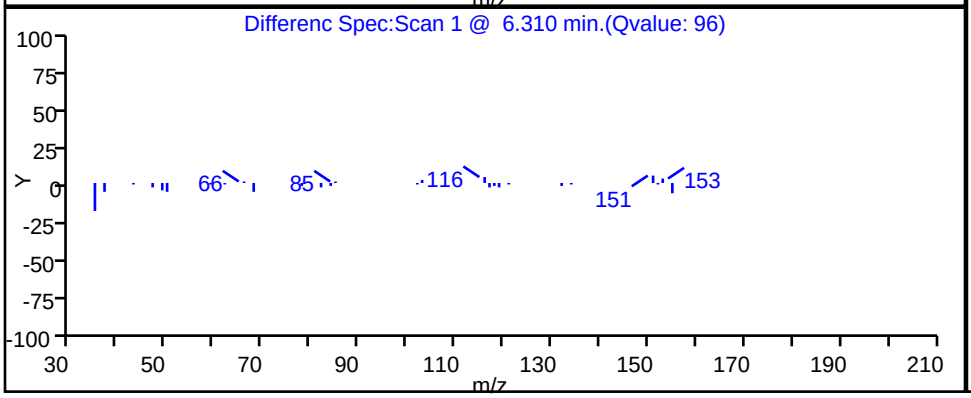








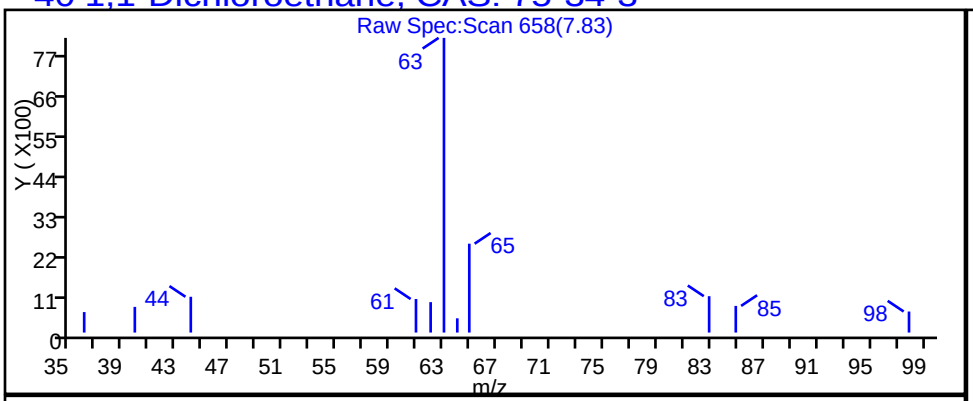


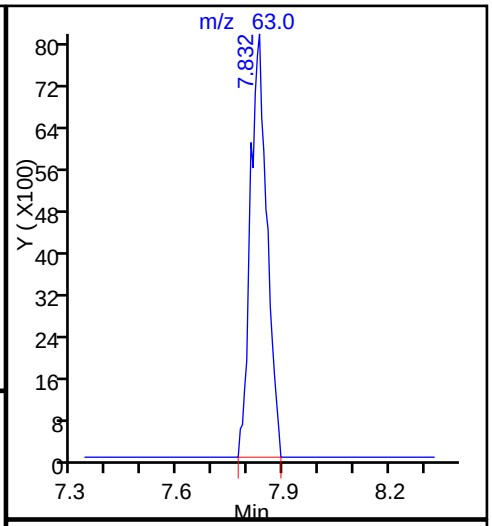


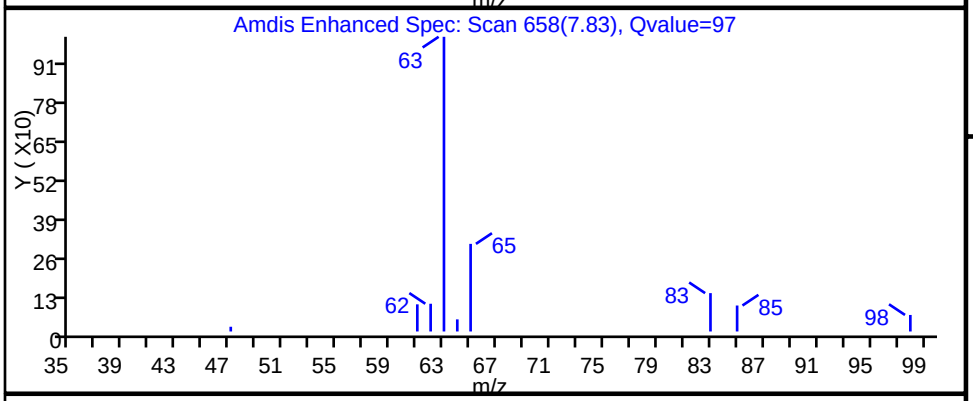
TestAmerica Buffalo

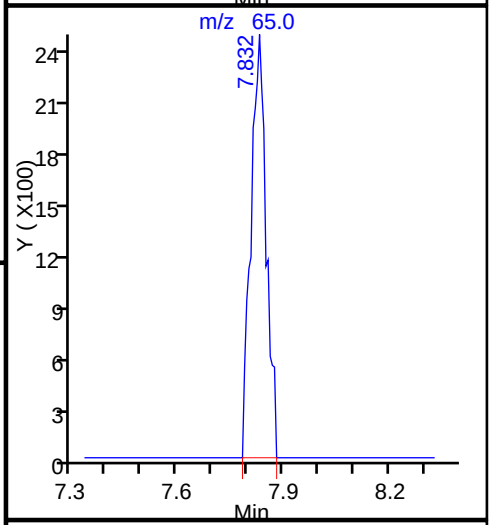
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D		
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

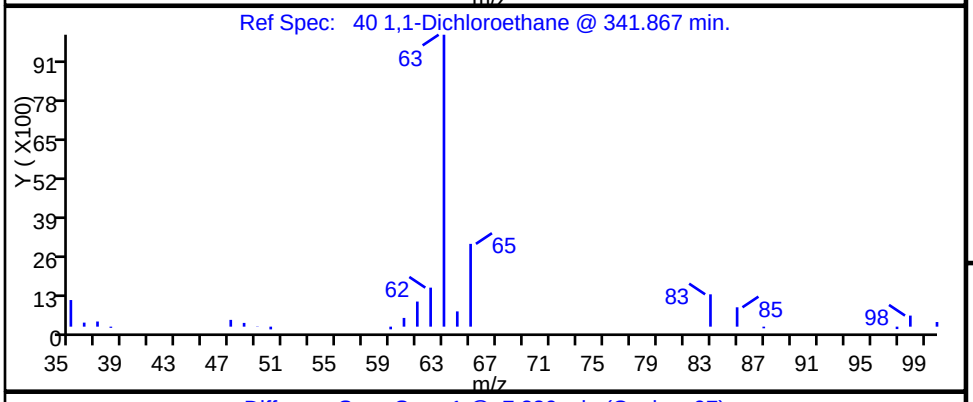
40 1,1-Dichloroethane, CAS: 75-34-3

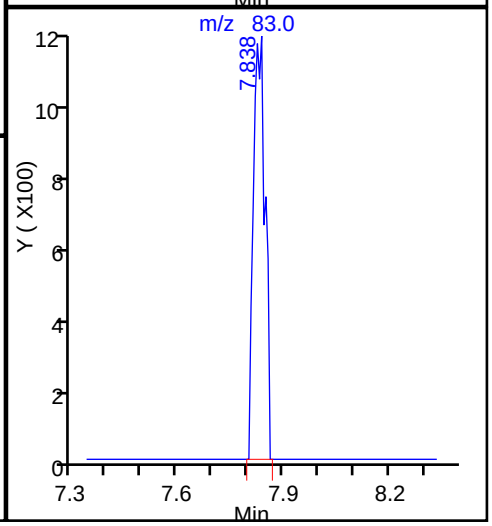


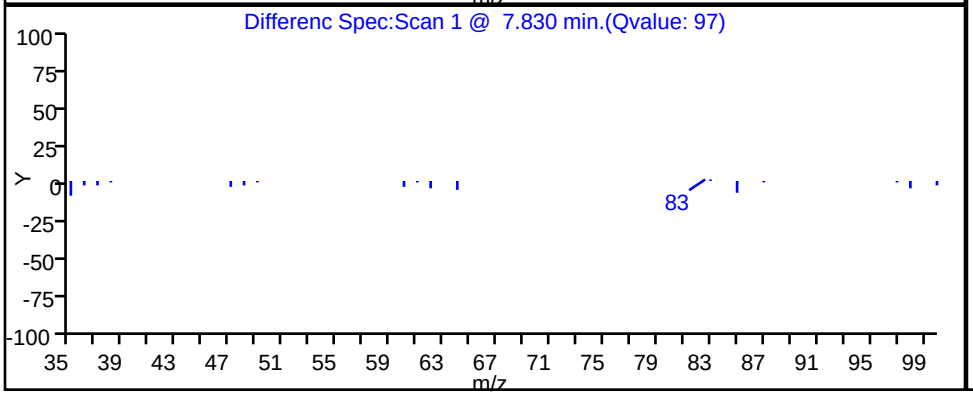












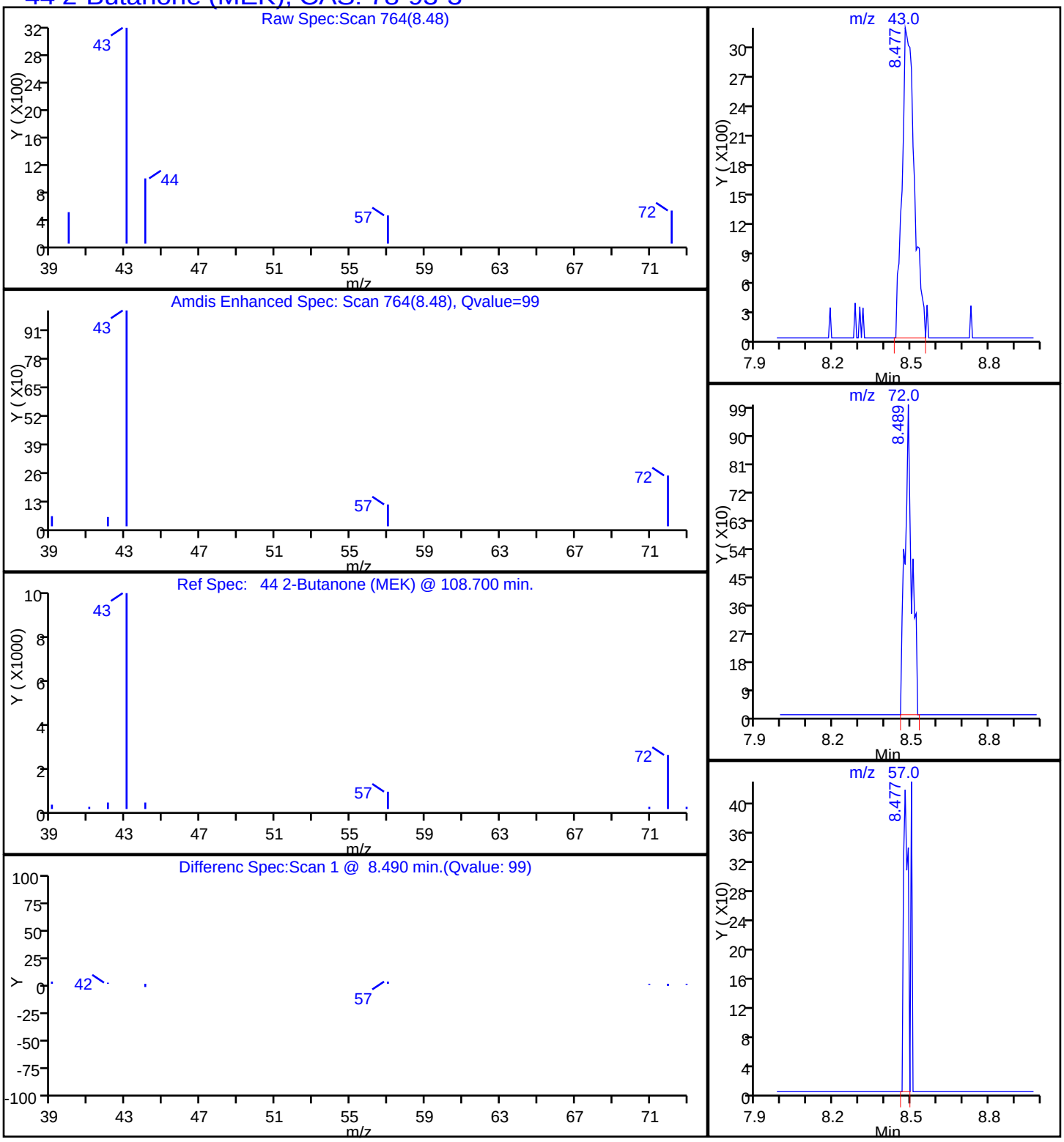
Report Date: 18-Dec-2015 01:46:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D

Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

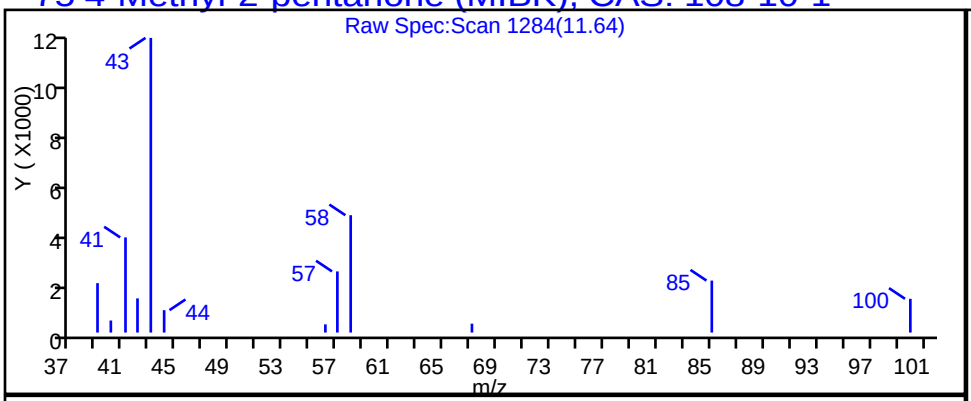


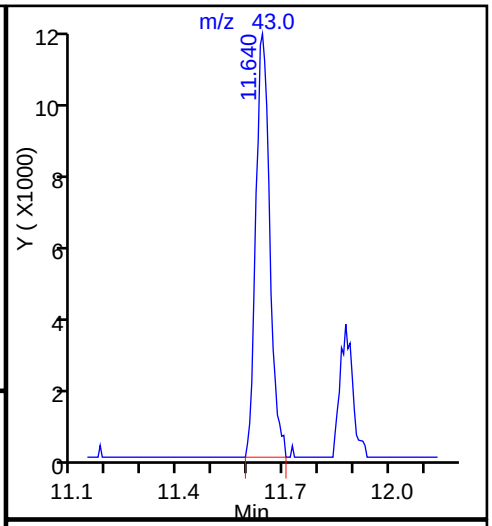
TestAmerica Buffalo

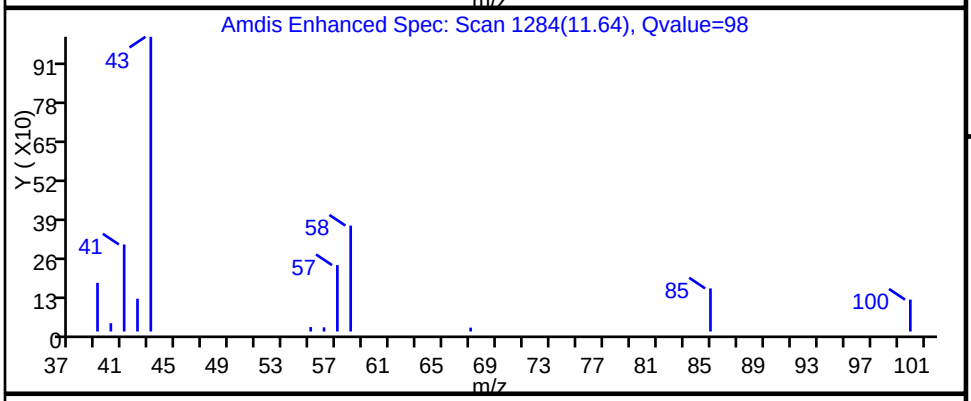
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D

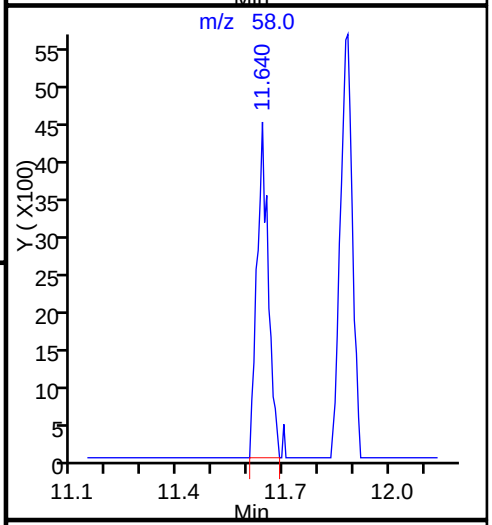
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

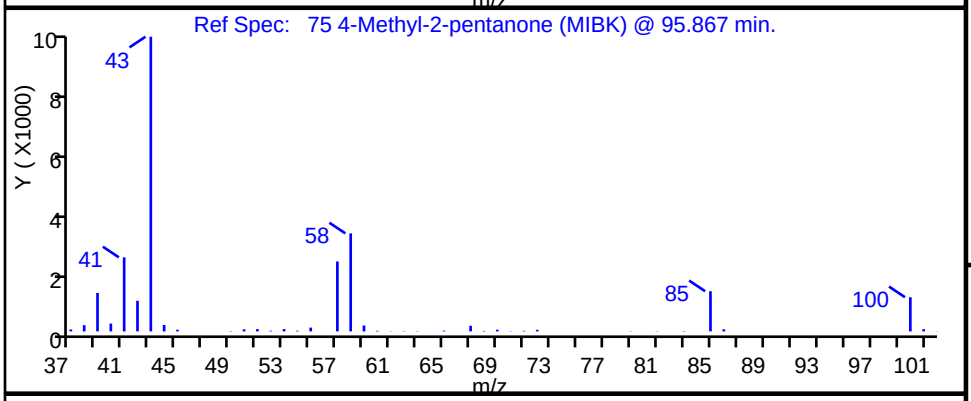
75 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

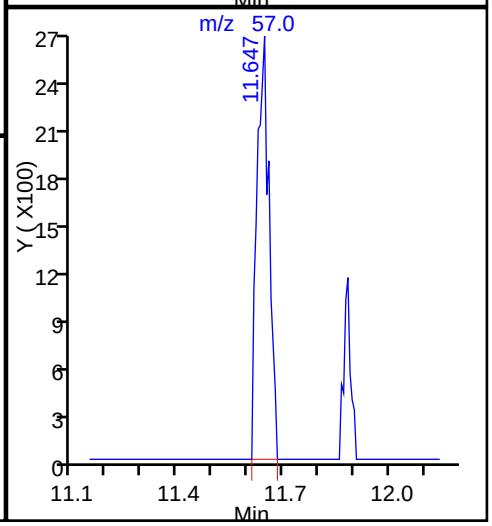


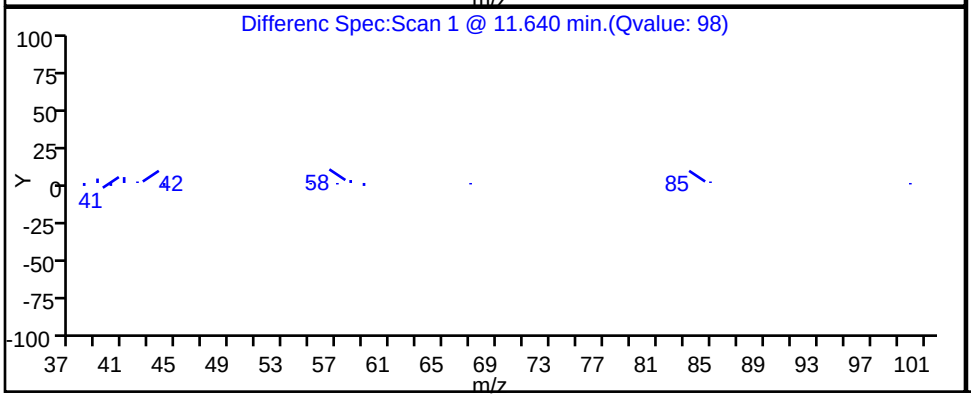








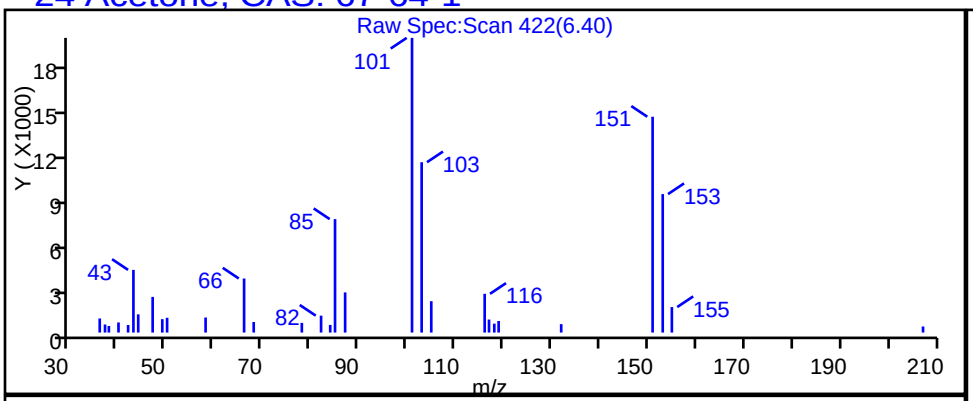


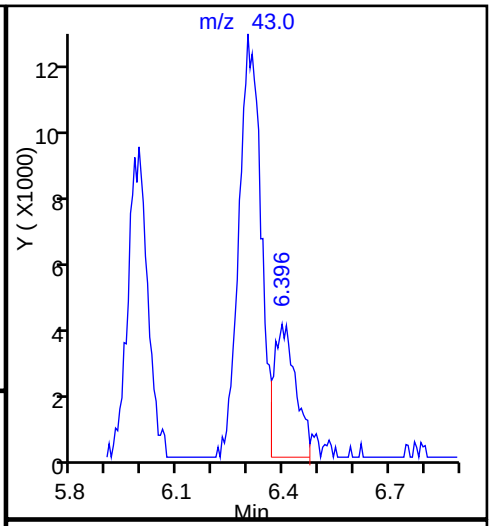


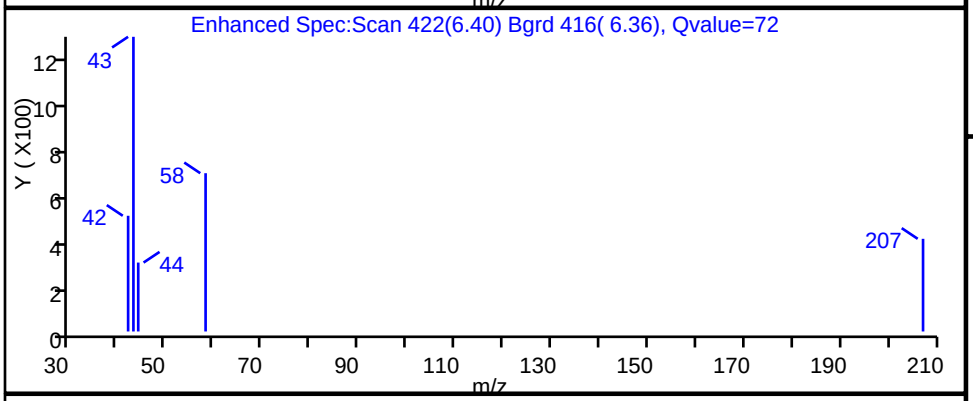
TestAmerica Buffalo

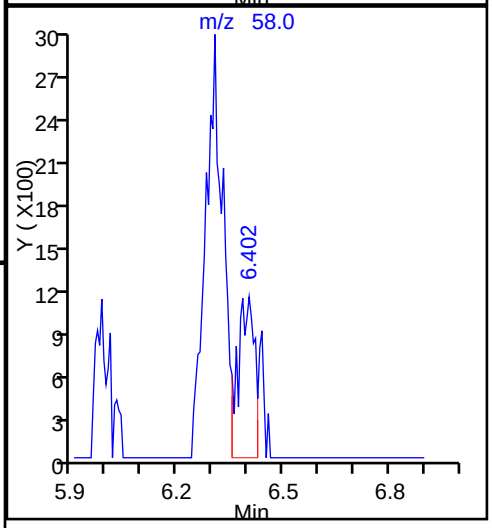
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D		
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

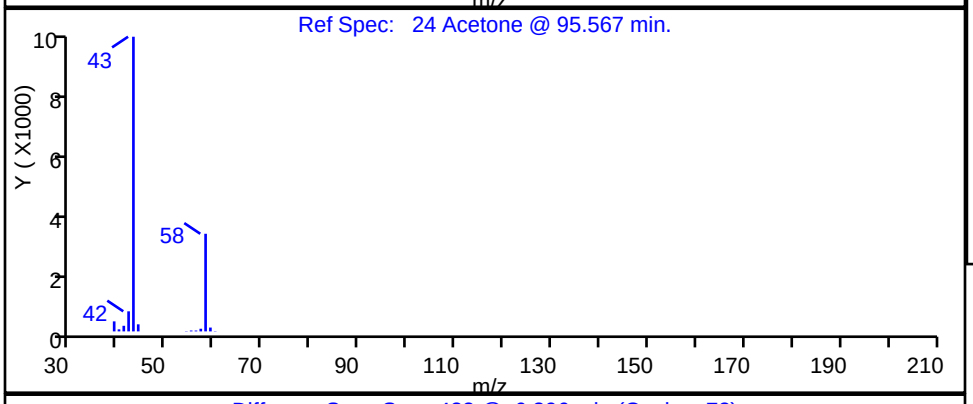
24 Acetone, CAS: 67-64-1

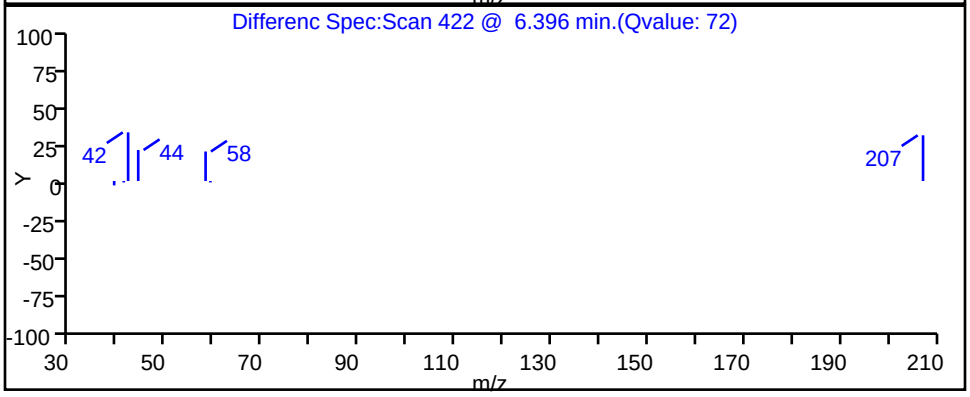








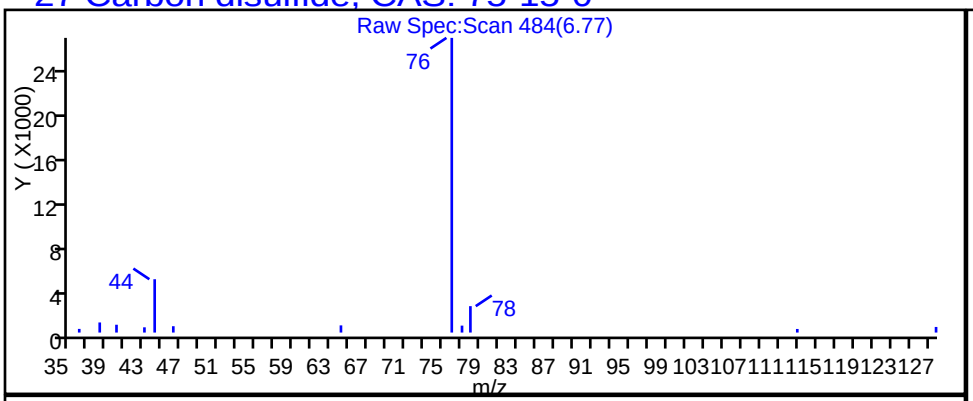


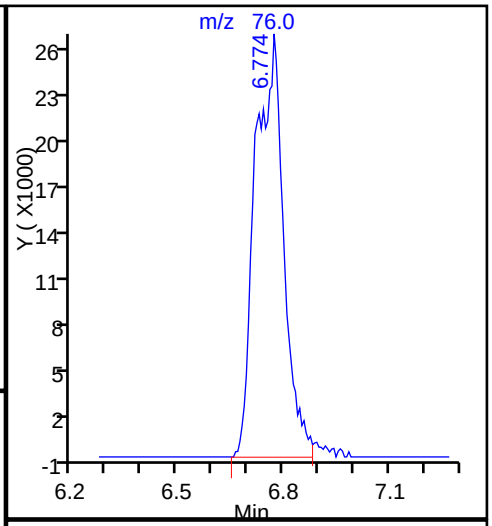


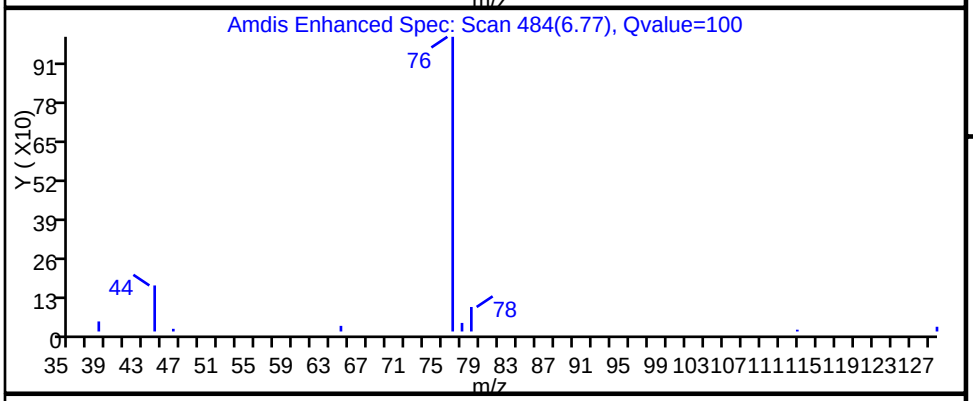
TestAmerica Buffalo

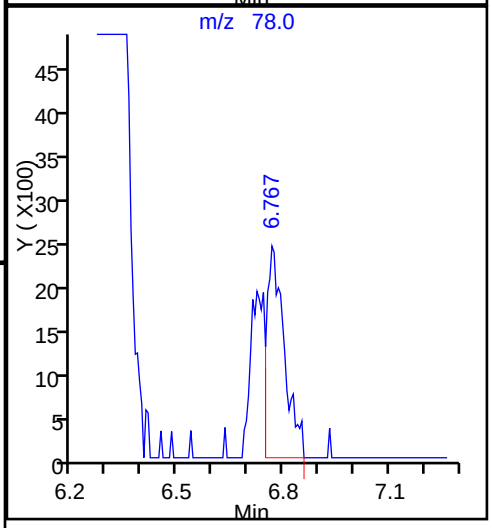
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D		
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

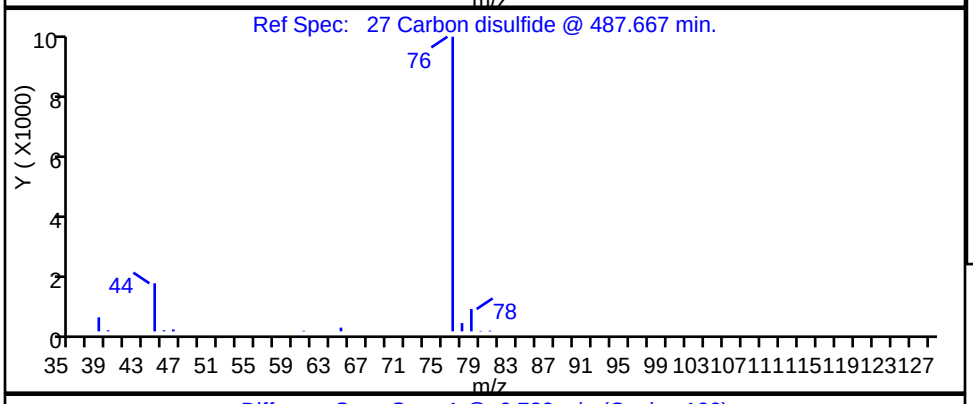
27 Carbon disulfide, CAS: 75-15-0

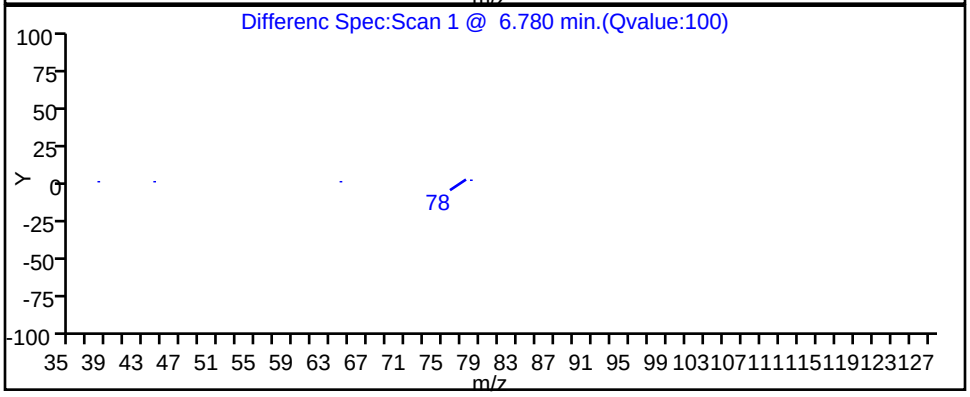








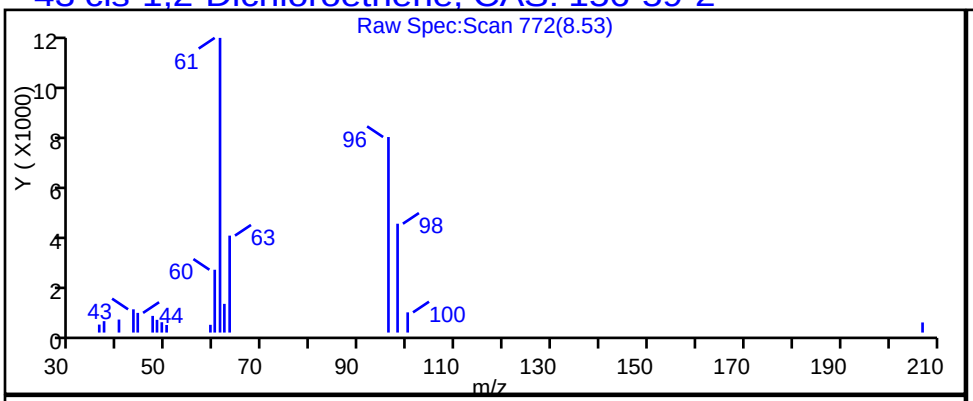


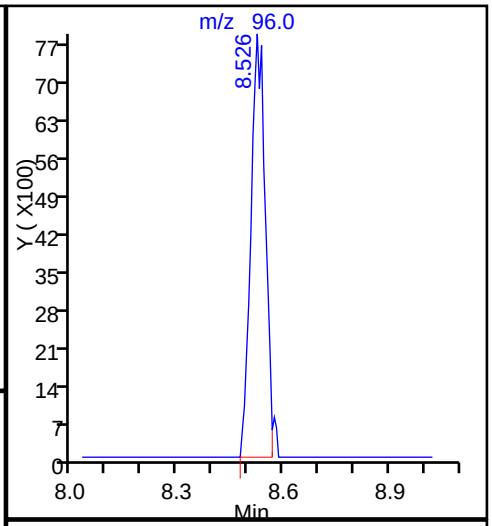


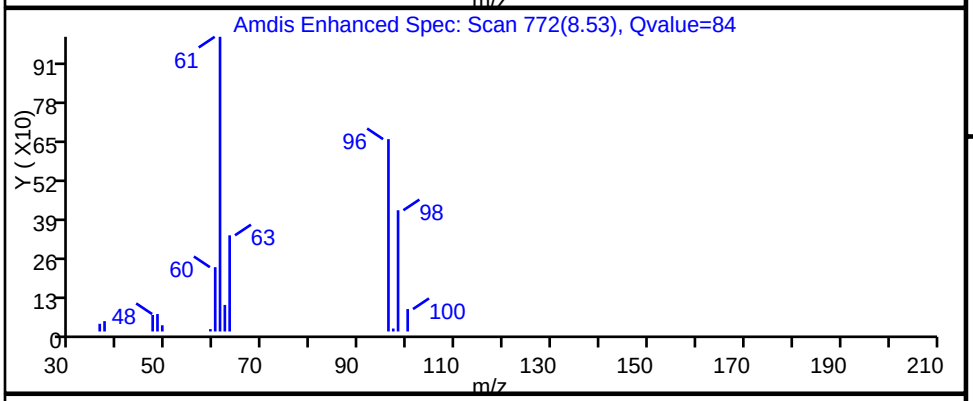
TestAmerica Buffalo

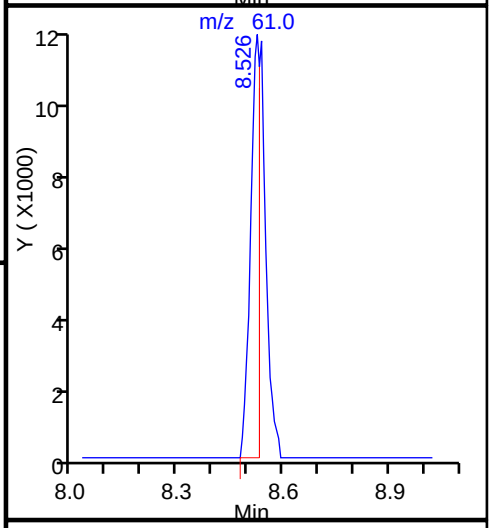
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D		
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

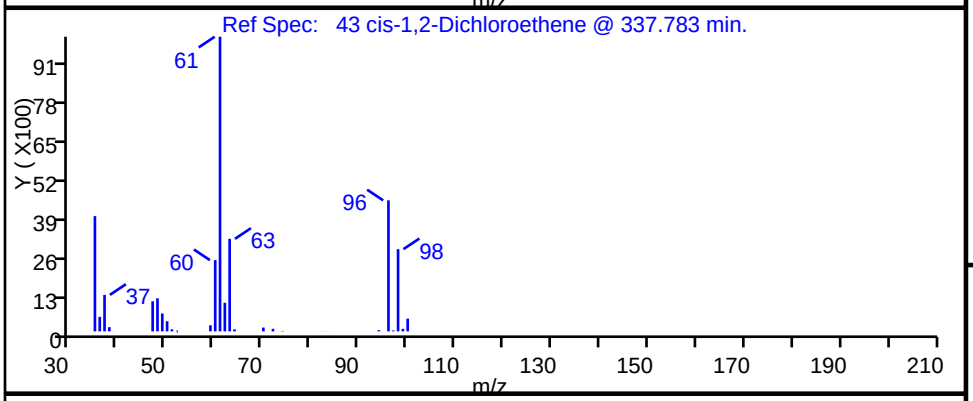
43 cis-1,2-Dichloroethene, CAS: 156-59-2

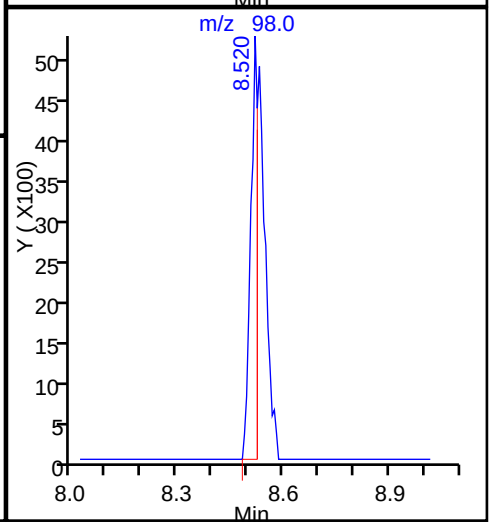


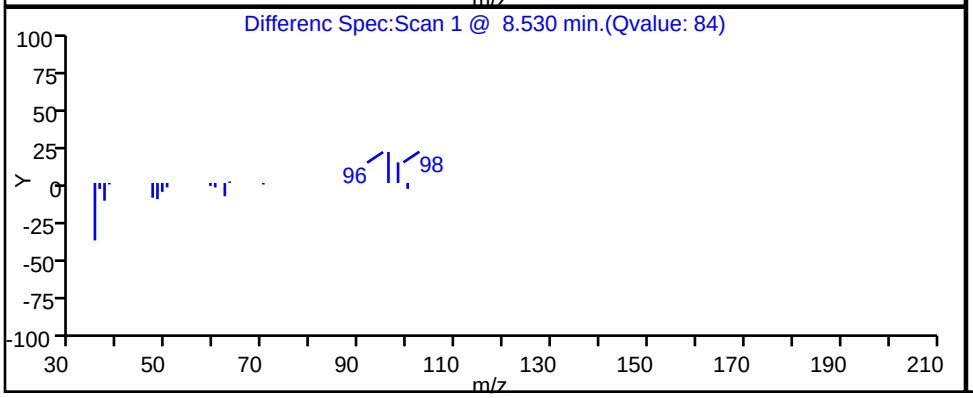










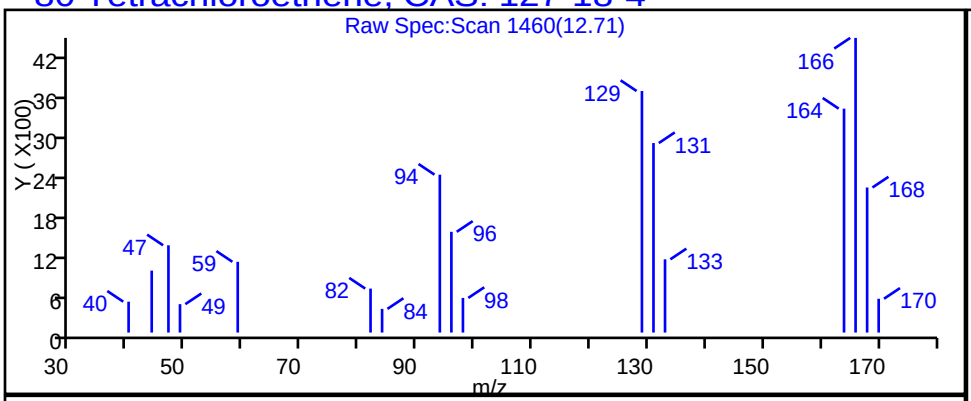


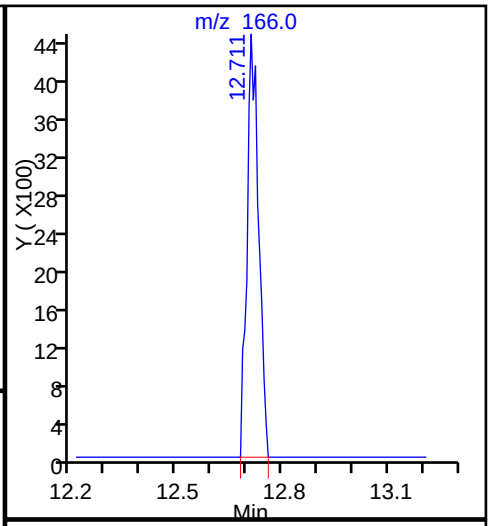
TestAmerica Buffalo

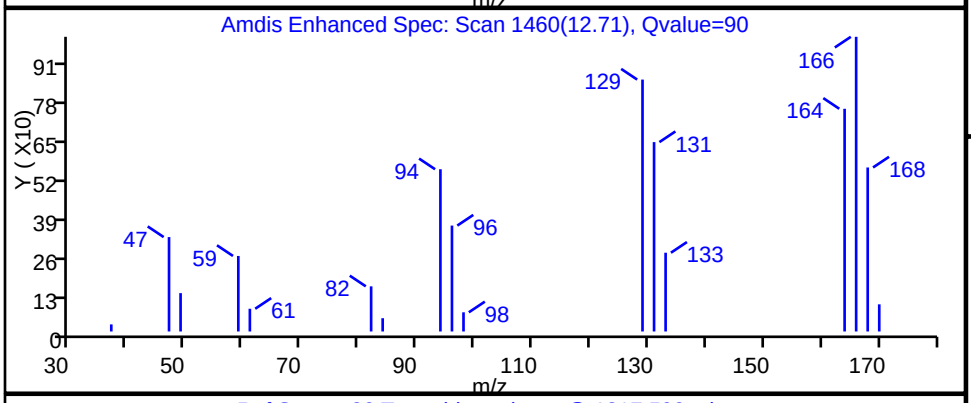
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D

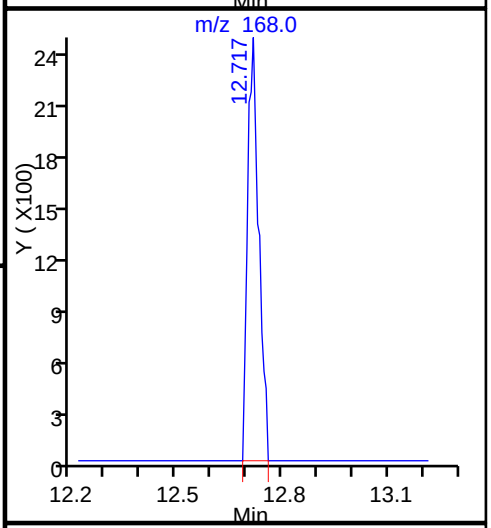
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

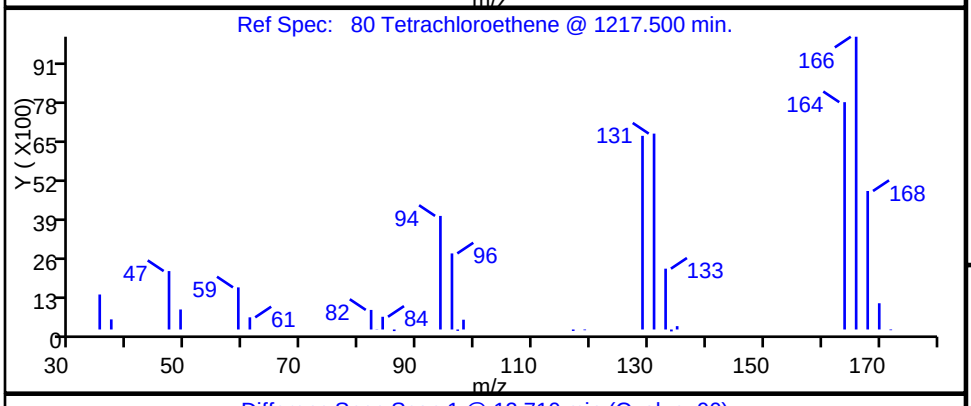
80 Tetrachloroethene, CAS: 127-18-4

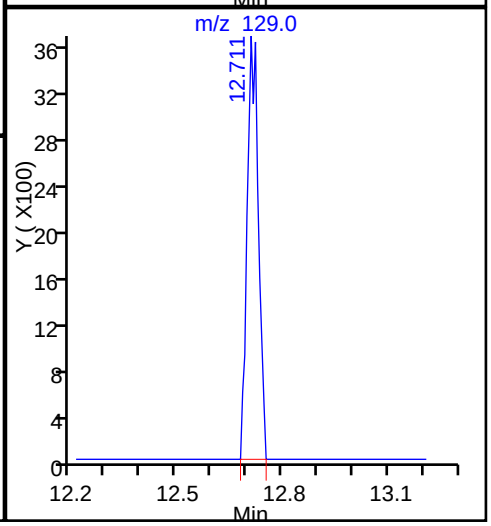


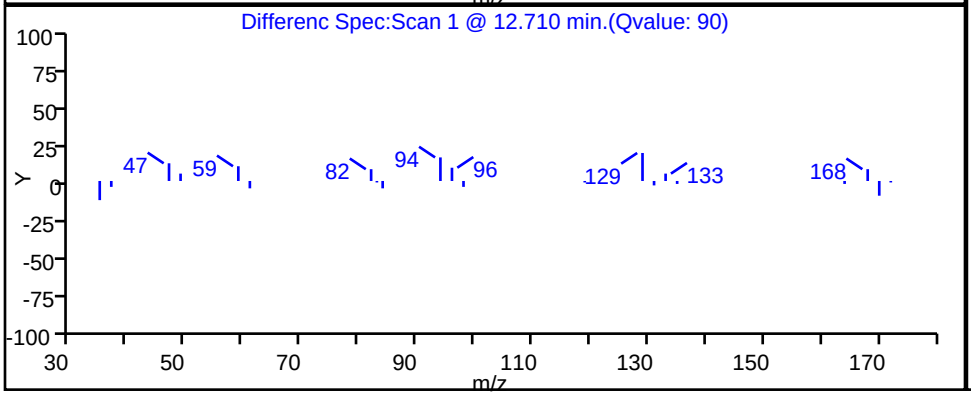








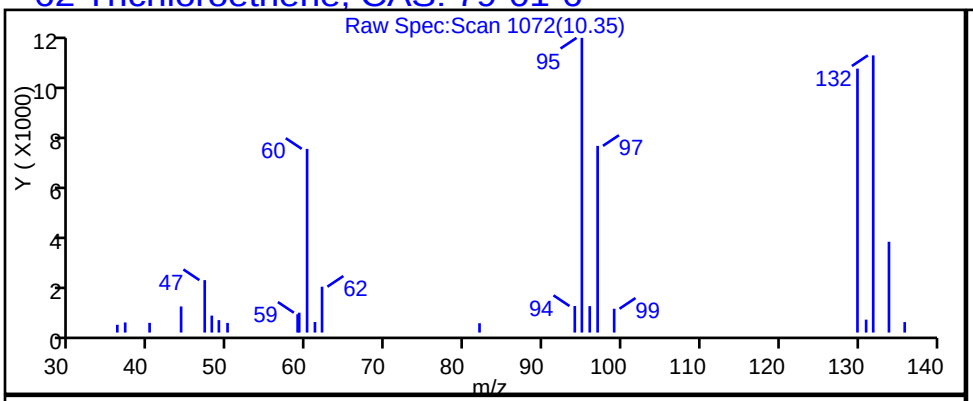


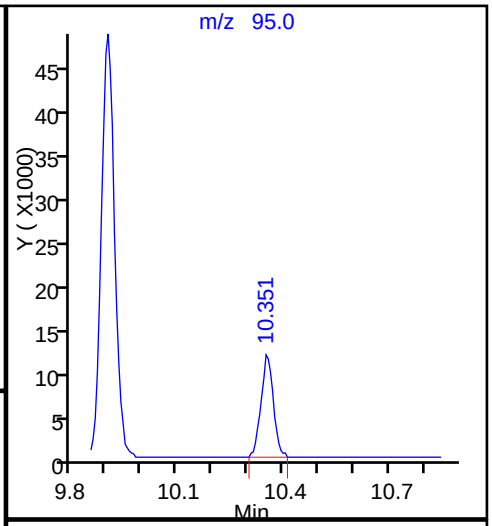


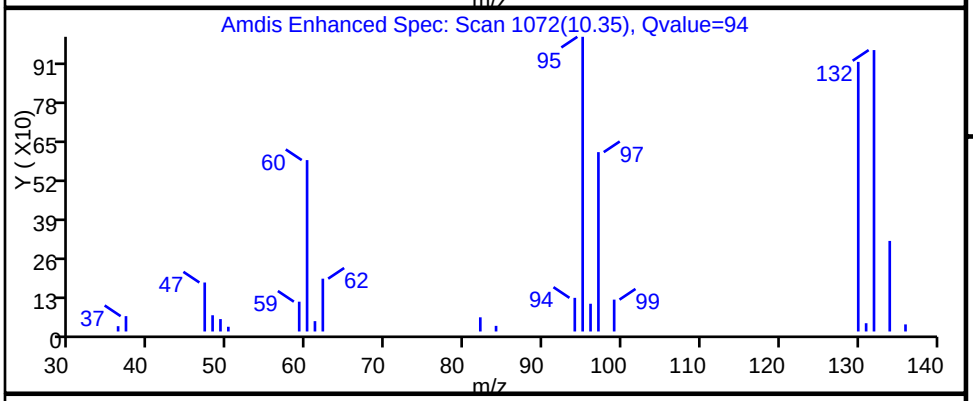
TestAmerica Buffalo

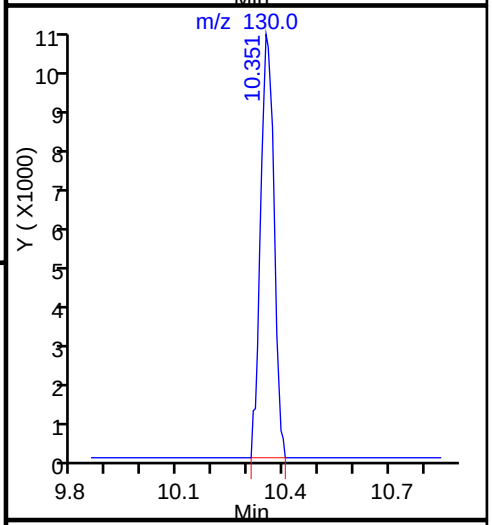
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D
Injection Date: 17-Dec-2015 20:09:30 Instrument ID: HP5973P
Lims ID: 480-92744-A-13-A Lab Sample ID: 480-92744-13
Client ID: B38-POLEBARN-S1
Operator ID: CDC ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

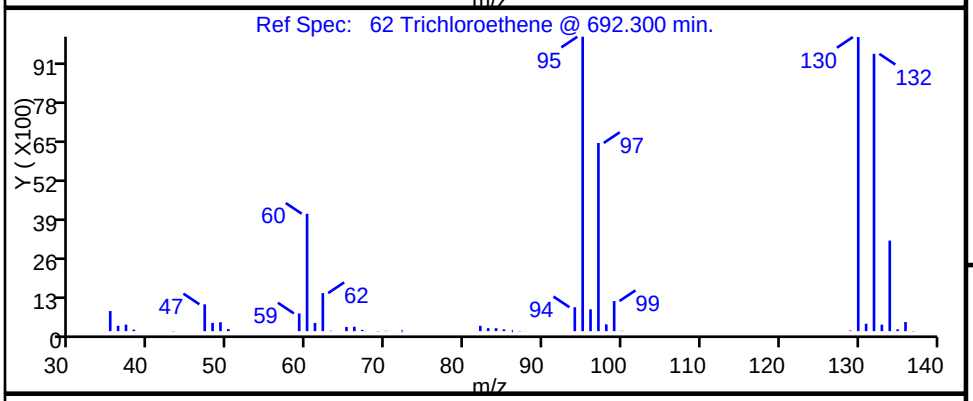
62 Trichloroethene, CAS: 79-01-6

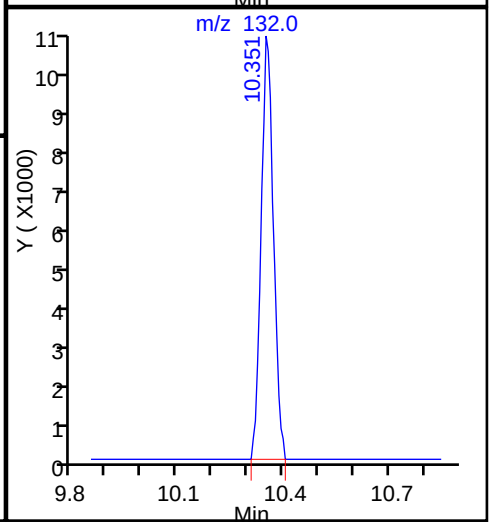


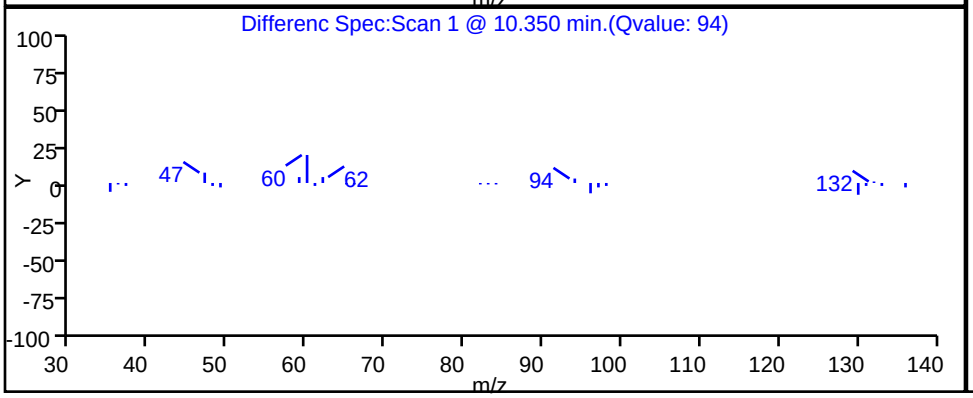








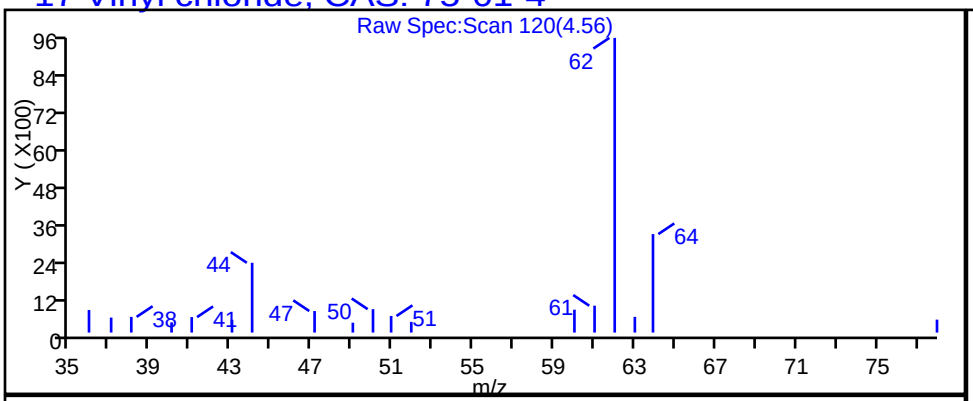


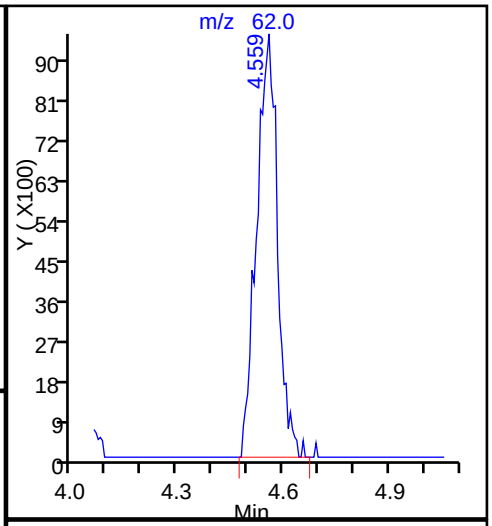


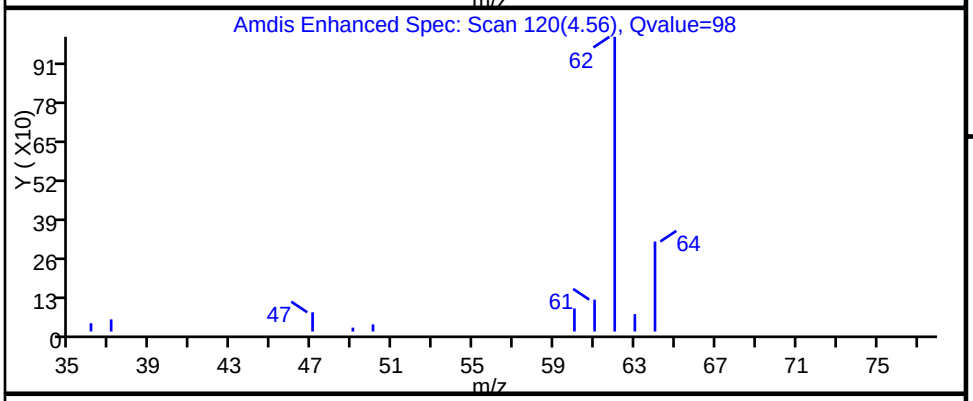
TestAmerica Buffalo

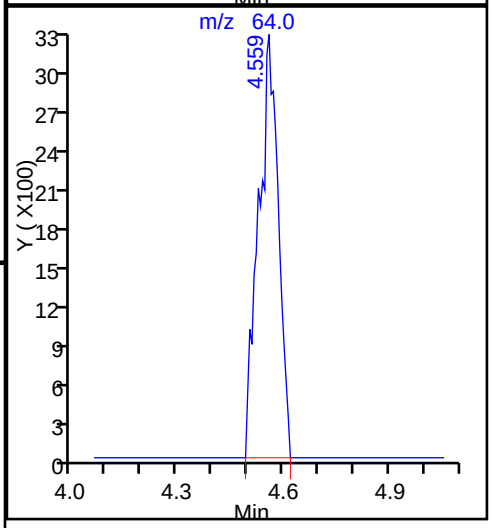
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D		
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	CDC	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

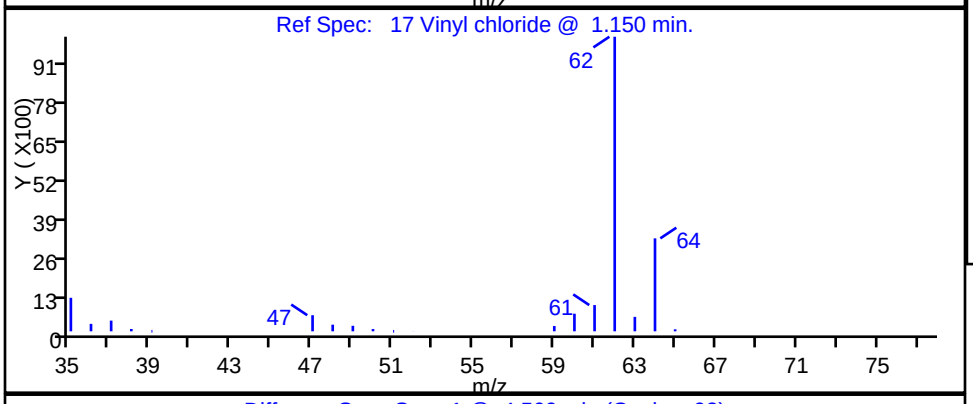
17 Vinyl chloride, CAS: 75-01-4

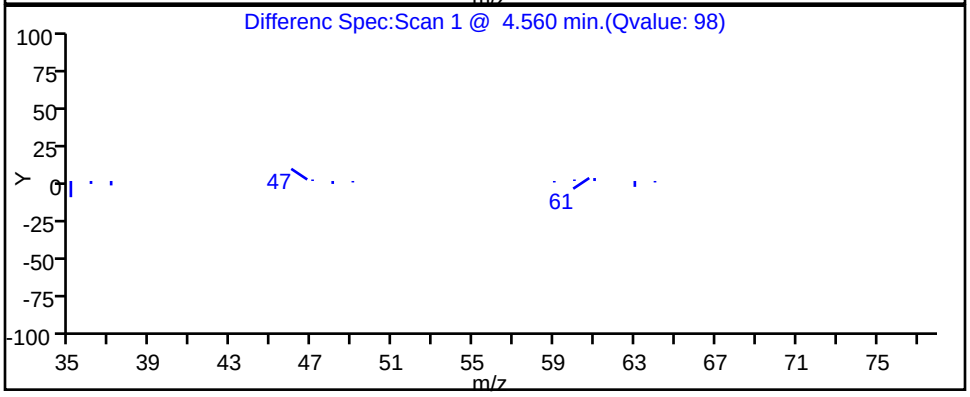












Manual Integration/User Assign Peak Report

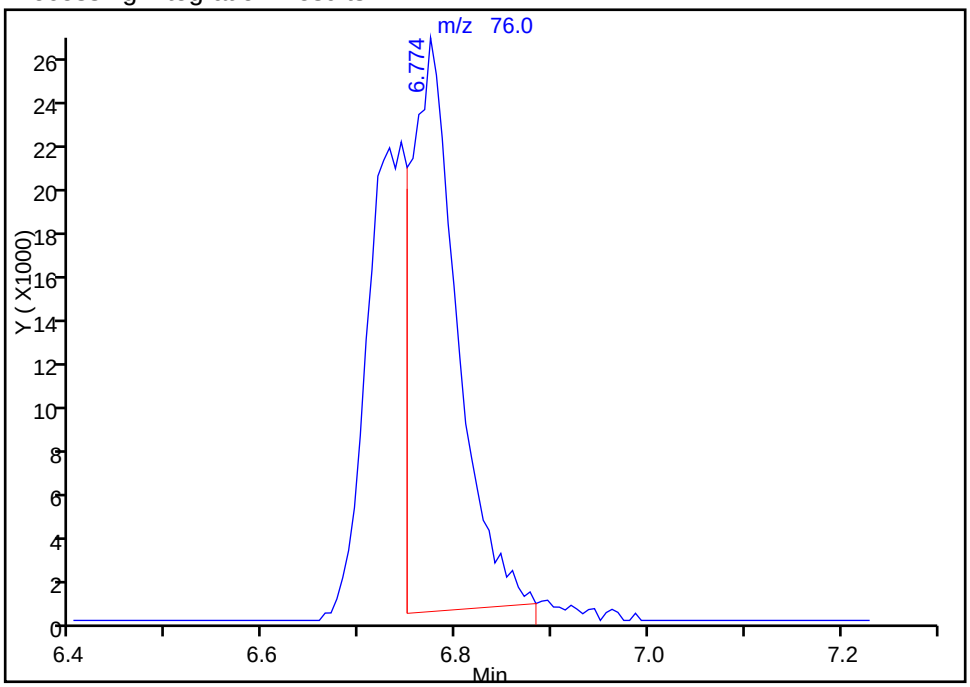
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2464.D				
Injection Date:	17-Dec-2015 20:09:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-13-A	Lab Sample ID:	480-92744-13		
Client ID:	B38-POLEBARN-S1				
Operator ID:	CDC	ALS Bottle#:	15	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

27 Carbon disulfide, CAS: 75-15-0

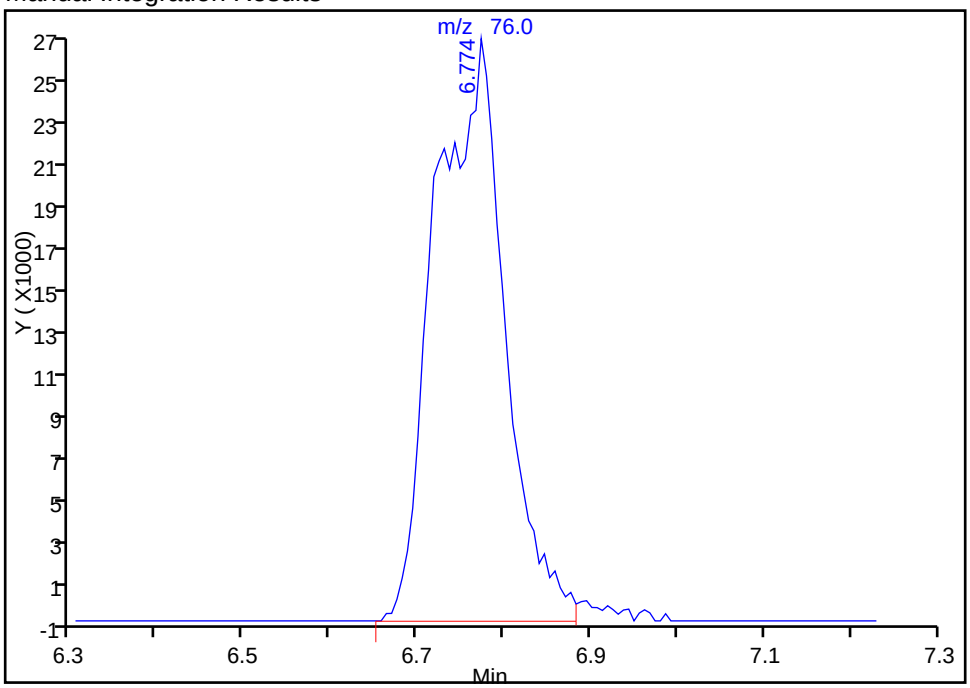
Processing Integration Results

RT: 6.77
Area: 87534
Amount: 2.801780
Amount Units: ug/L



Manual Integration Results

RT: 6.77
Area: 148626
Amount: 4.757208
Amount Units: ug/L



Reviewer: diasn, 18-Dec-2015 01:46:30
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S1 DL | Lab Sample ID: 480-92744-13 DL

Matrix: Solid | Lab File ID: P2485.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:15

Sample wt/vol: 1.04(g) | Date Analyzed: 12/18/2015 06:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.7 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		26	1.9
79-34-5	1,1,2,2-Tetrachloroethane	ND		26	4.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	510		26	6.0
79-00-5	1,1,2-Trichloroethane	ND		26	3.4
75-34-3	1,1-Dichloroethane	ND		26	3.2
75-35-4	1,1-Dichloroethene	ND		26	3.2
120-82-1	1,2,4-Trichlorobenzene	ND		26	1.6
96-12-8	1,2-Dibromo-3-Chloropropane	ND		26	13
106-93-4	1,2-Dibromoethane	ND		26	3.4
95-50-1	1,2-Dichlorobenzene	ND		26	2.1
107-06-2	1,2-Dichloroethane	ND		26	1.3
78-87-5	1,2-Dichloropropane	ND		26	13
541-73-1	1,3-Dichlorobenzene	ND		26	1.4
106-46-7	1,4-Dichlorobenzene	ND		26	3.7
78-93-3	2-Butanone (MEK)	ND		130	9.6
591-78-6	2-Hexanone	ND		130	13
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		130	8.6
67-64-1	Acetone	ND		130	22
71-43-2	Benzene	ND		26	1.3
75-27-4	Bromodichloromethane	ND		26	3.5
75-25-2	Bromoform	ND		26	13
74-83-9	Bromomethane	ND		26	2.4
75-15-0	Carbon disulfide	13	J	26	13
56-23-5	Carbon tetrachloride	ND		26	2.5
108-90-7	Chlorobenzene	ND		26	3.5
75-00-3	Chloroethane	ND		26	6.0
67-66-3	Chloroform	ND		26	1.6
74-87-3	Chloromethane	ND		26	1.6
156-59-2	cis-1,2-Dichloroethene	4.7	J	26	3.4
10061-01-5	cis-1,3-Dichloropropene	ND		26	3.8
110-82-7	Cyclohexane	ND		26	3.7
124-48-1	Dibromochloromethane	ND		26	3.4
75-71-8	Dichlorodifluoromethane	ND		26	2.2
100-41-4	Ethylbenzene	ND		26	1.8
98-82-8	Isopropylbenzene	ND		26	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S1 DL | Lab Sample ID: 480-92744-13 DL

Matrix: Solid | Lab File ID: P2485.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:15

Sample wt/vol: 1.04(g) | Date Analyzed: 12/18/2015 06:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.7 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	*Methyl acetate*	*ND*		*26*	*16*
1634-04-4	*Methyl tert-butyl ether*	*ND*		*26*	*2.6*
108-87-2	*Methylcyclohexane*	*ND*		*26*	*4.0*
75-09-2	*Methylene Chloride*	*ND*		*26*	*12*
100-42-5	*Styrene*	*ND*		*26*	*1.3*
127-18-4	*Tetrachloroethene*	*5.2*	*J*	*26*	*3.5*
108-88-3	*Toluene*	*ND*		*26*	*2.0*
156-60-5	*trans-1,2-Dichloroethene*	*ND*		*26*	*2.7*
10061-02-6	*trans-1,3-Dichloropropene*	*ND*		*26*	*12*
79-01-6	*Trichloroethene*	*9.2*	*J*	*26*	*5.8*
75-69-4	*Trichlorofluoromethane*	*ND*		*26*	*2.5*
75-01-4	*Vinyl chloride*	*4.8*	*J*	*26*	*3.2*
1330-20-7	*Xylenes, Total*	*ND*		*53*	*4.4*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	88		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D
Lims ID: 480-92744-A-13-B Lab Sample ID: 480-92744-13
Client ID: B38-POLEBARN-S1
Sample Type: Client
Inject. Date: 18-Dec-2015 06:56:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-13-B
Misc. Info.: 480-0049361-016
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:56:22 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:56:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	303308	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	605549	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.824	0.005	97	484833	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	254892	54.4	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	94	1380078	52.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	406853	44.1	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62	4.546	4.565	-0.019	89	6188	0.9060	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	96	976139	96.6	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43	6.408	6.384	0.024	56	6892	1.98	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.755	6.767	-0.012	100	78679	2.51	
31 Methylene Chloride	84		6.980				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63	7.826	7.820	0.006	92	7807	0.4114	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.519	0.012	83	8217	0.8873	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.356	10.351	0.005	95	15843	1.75	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	8195	0.99	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

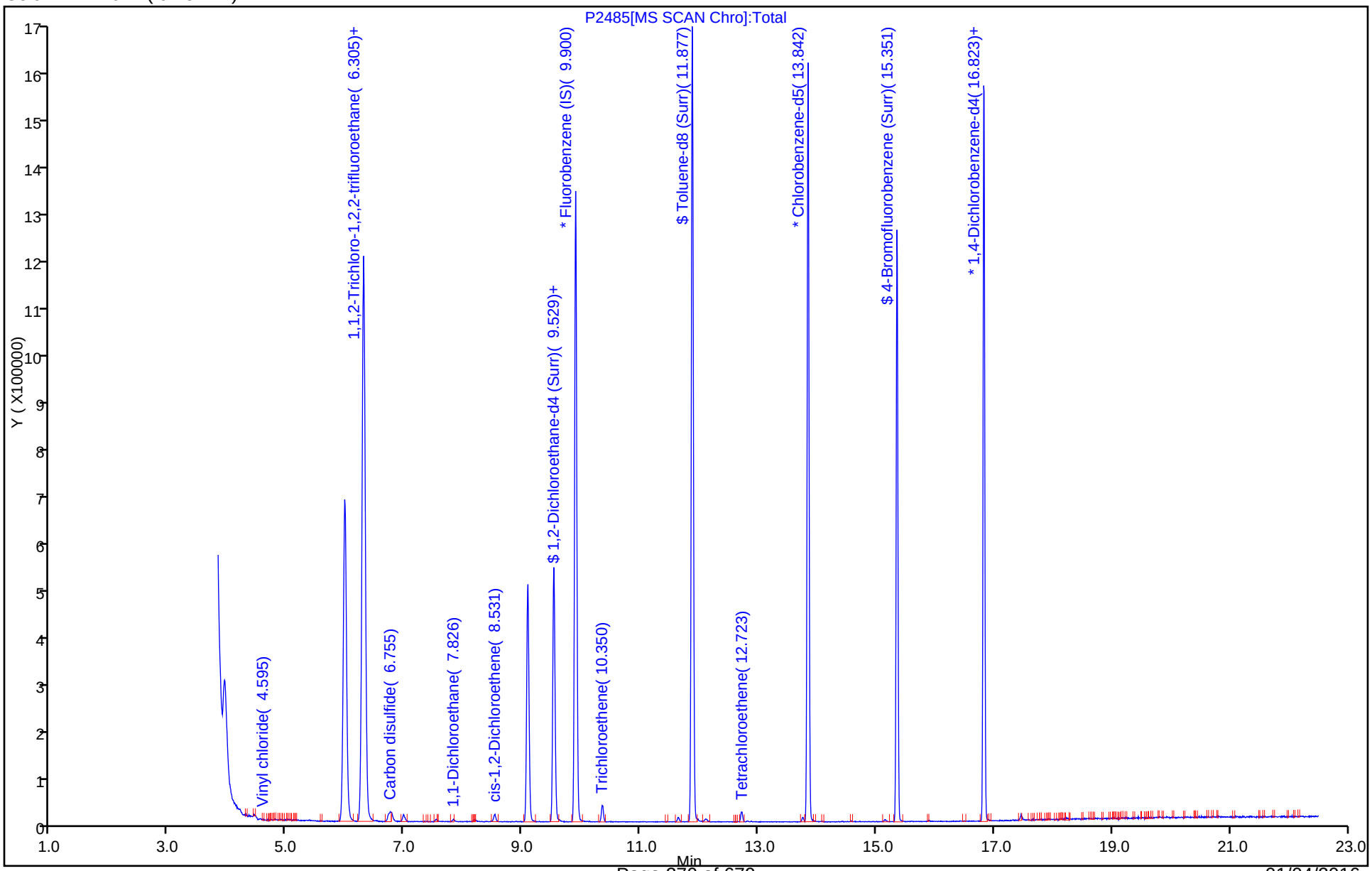
Report Date: 19-Dec-2015 00:56:22 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D

Injection Date:	18-Dec-2015 06:56:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-13-B	Lab Sample ID:	480-92744-13	Worklist Smp#:	16
Client ID:	B38-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

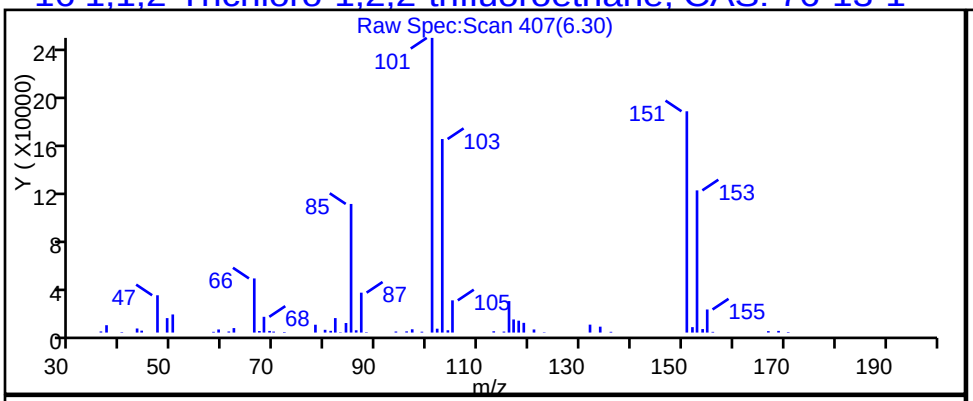


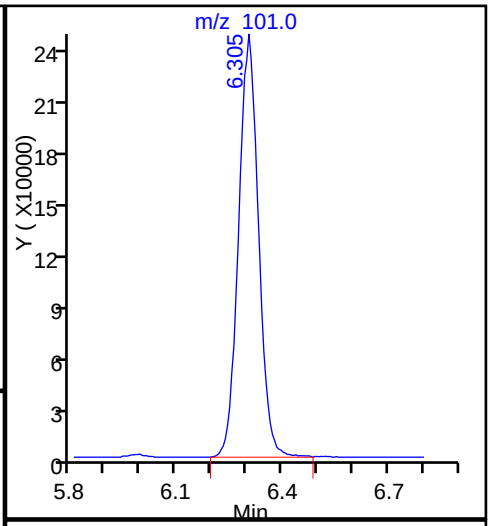
TestAmerica Buffalo

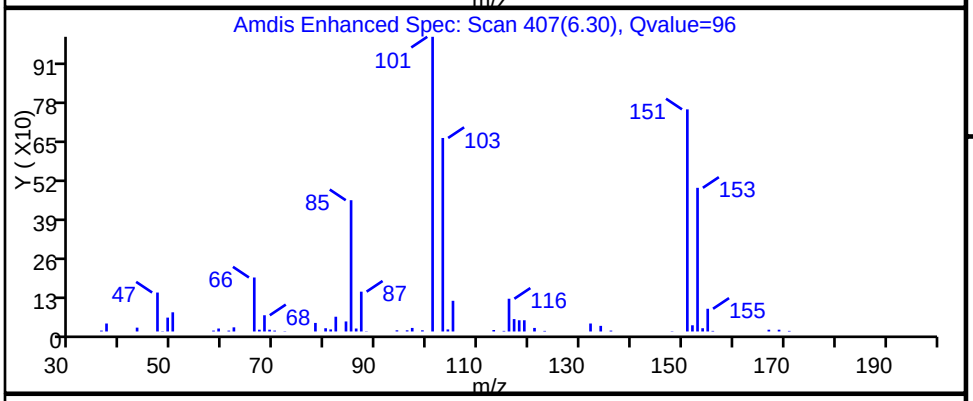
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D

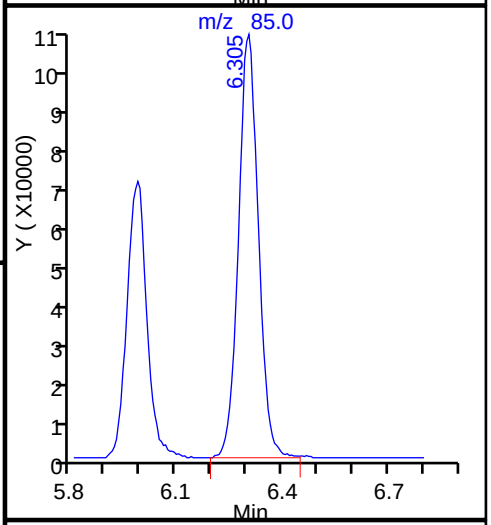
Injection Date:	18-Dec-2015 06:56:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-B	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	16 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

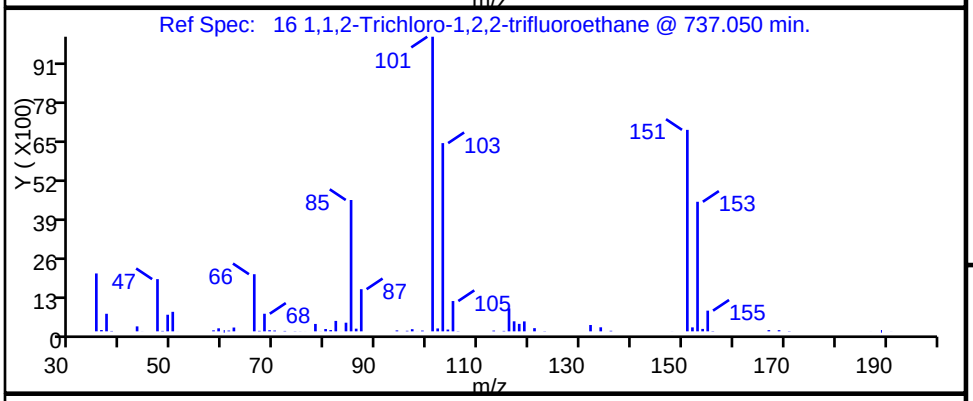
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

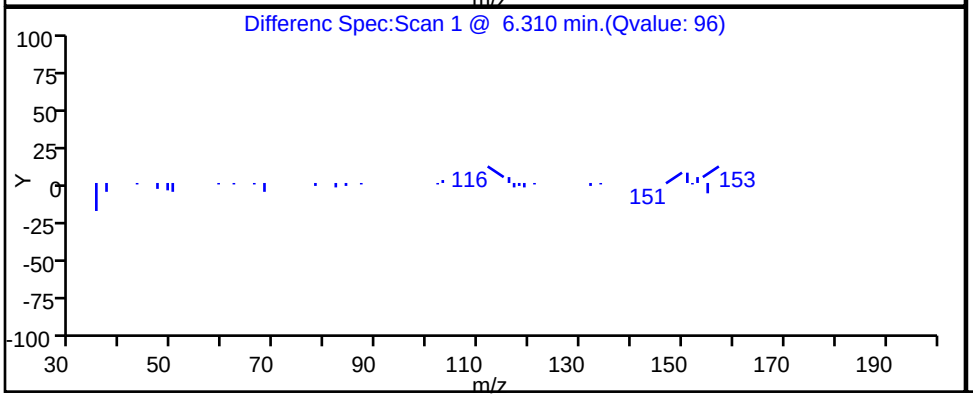


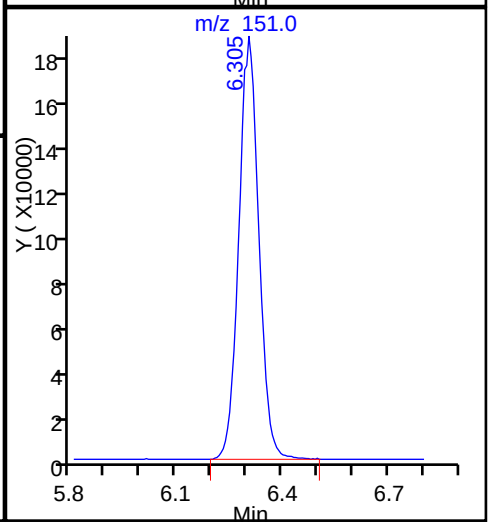










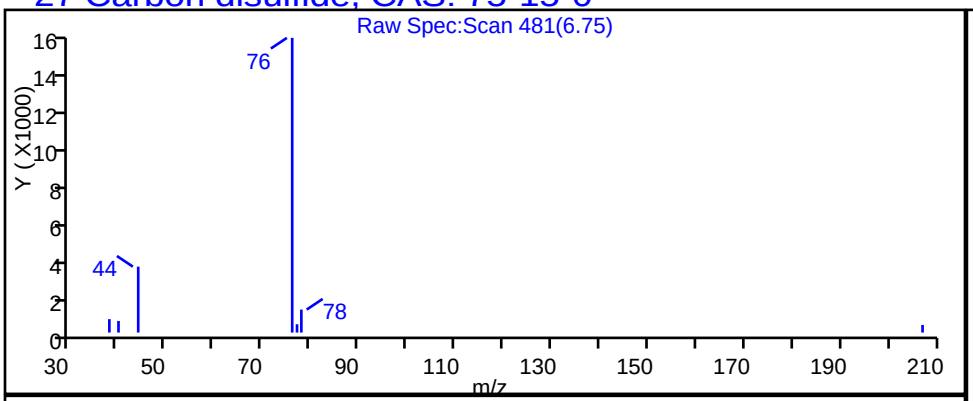


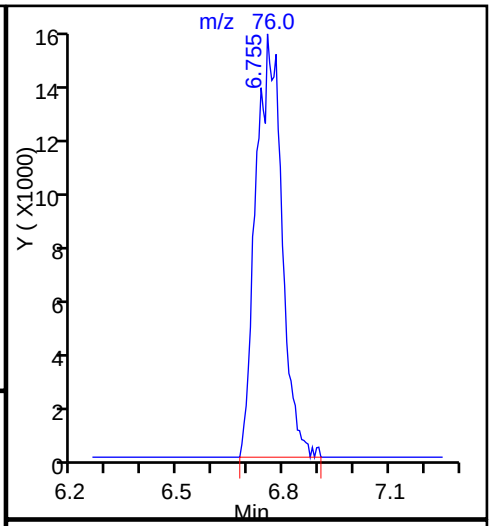
TestAmerica Buffalo

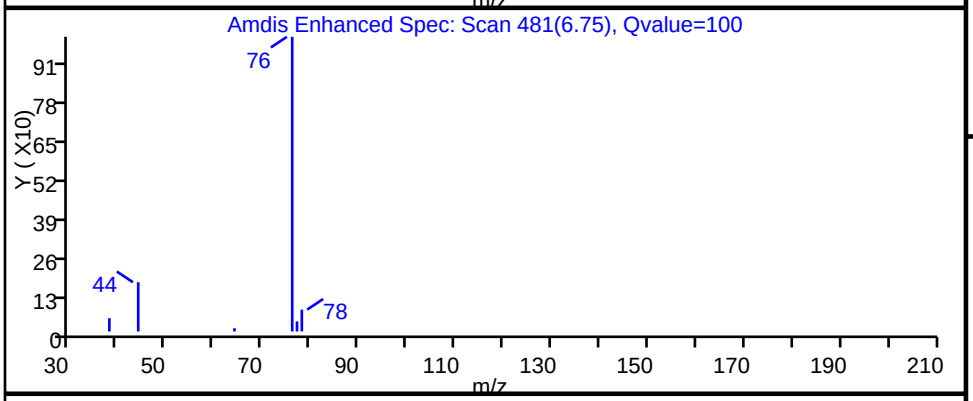
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D

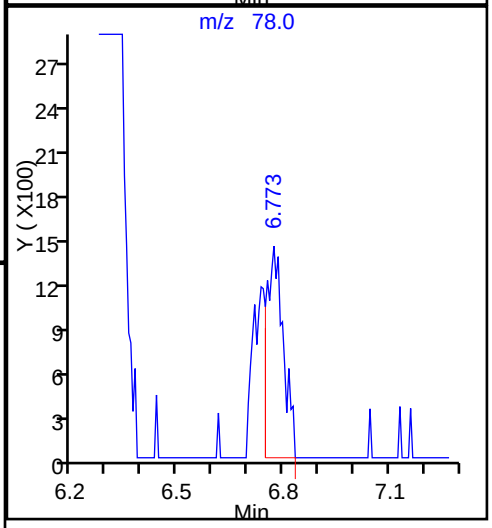
Injection Date:	18-Dec-2015 06:56:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-B	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	16 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

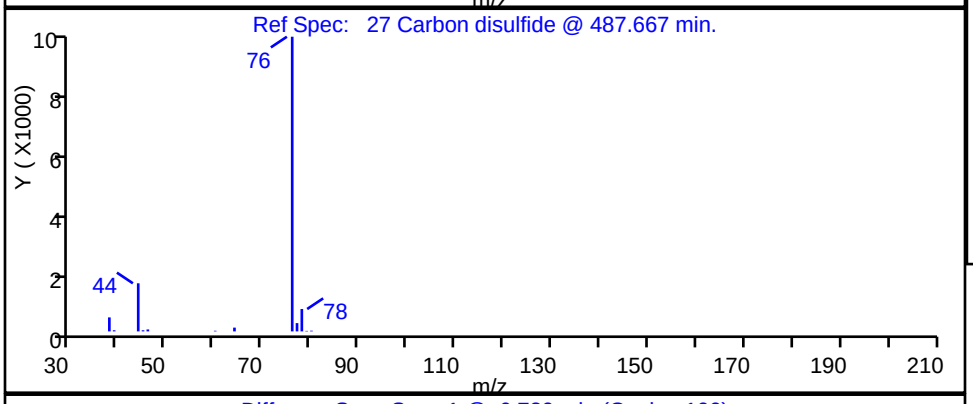
27 Carbon disulfide, CAS: 75-15-0

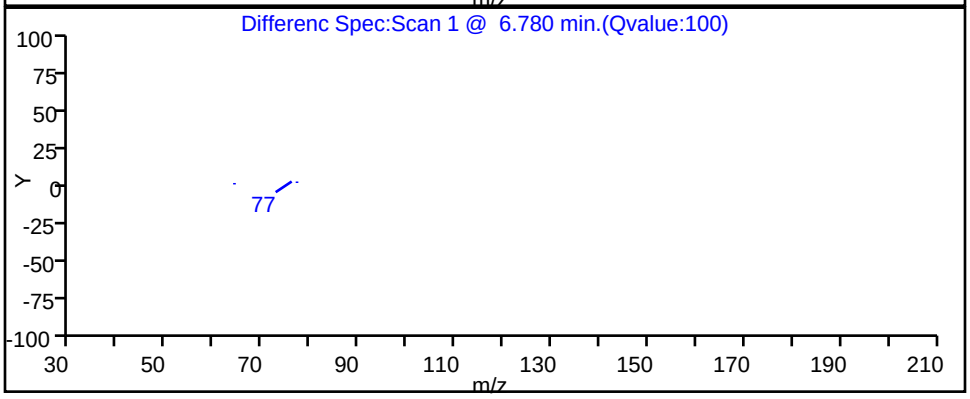








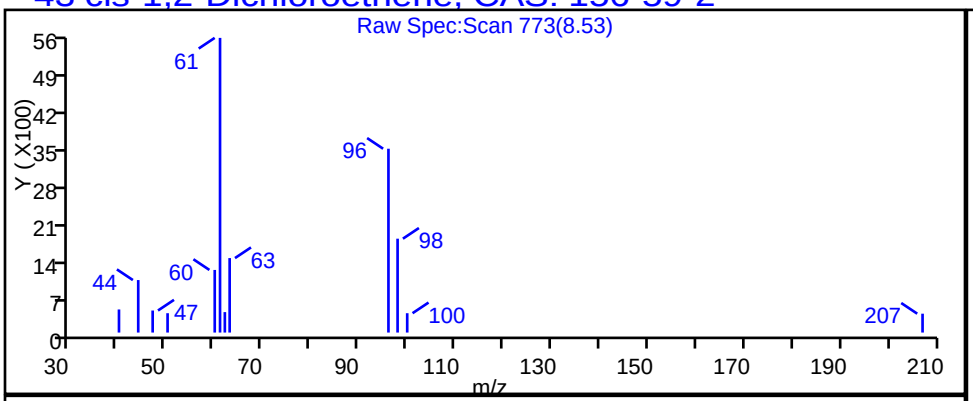


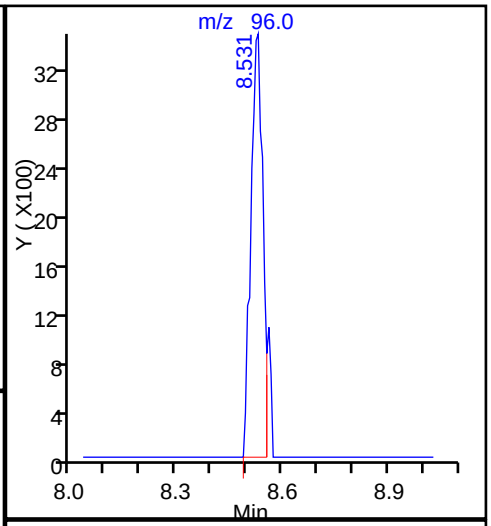


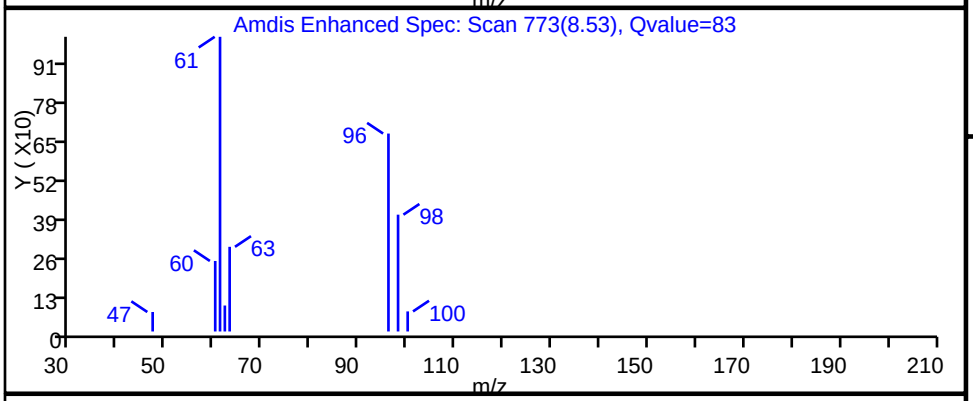
TestAmerica Buffalo

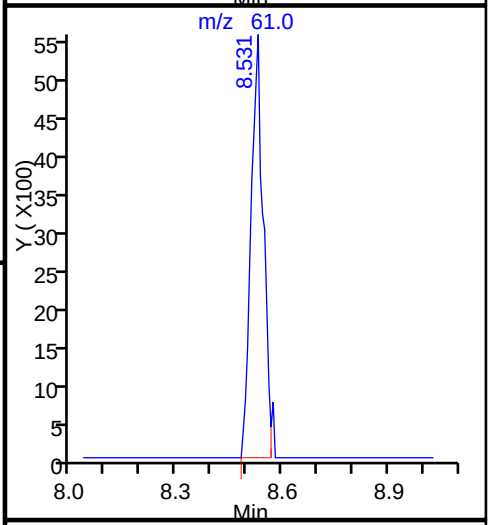
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D				
Injection Date:	18-Dec-2015 06:56:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-13-B	Lab Sample ID:	480-92744-13		
Client ID:	B38-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

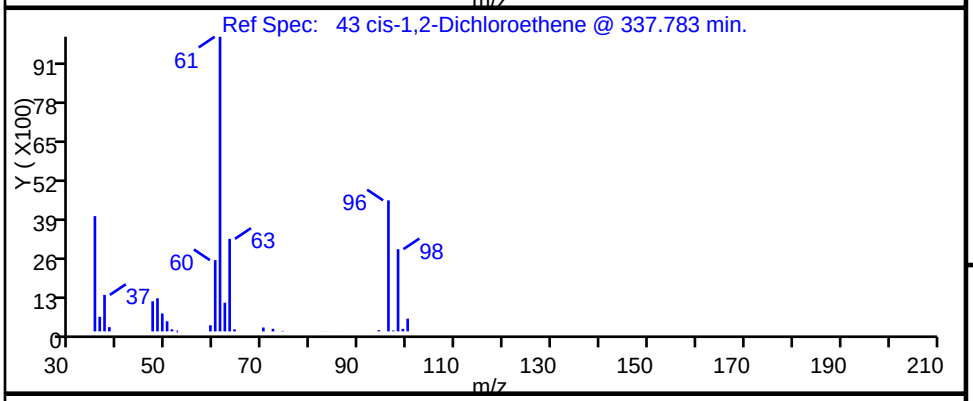
43 cis-1,2-Dichloroethene, CAS: 156-59-2

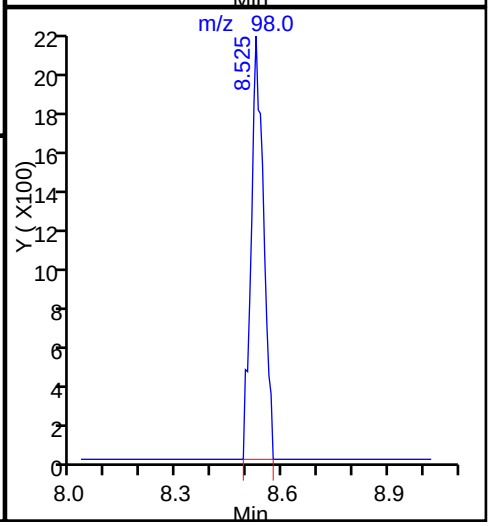


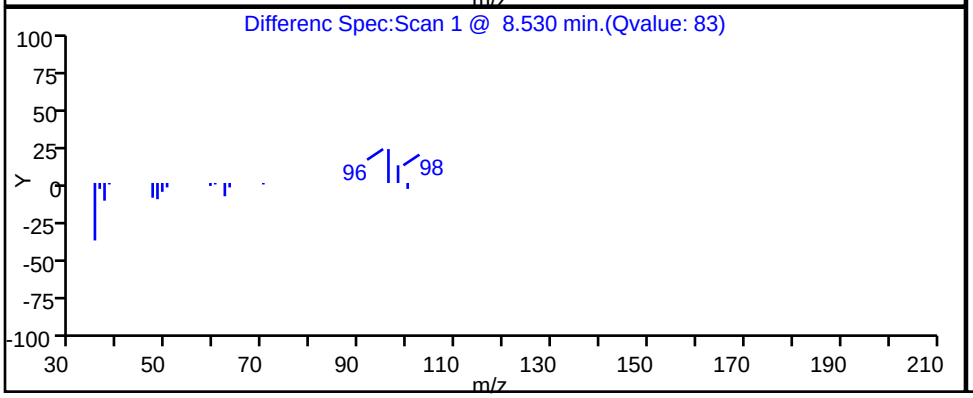












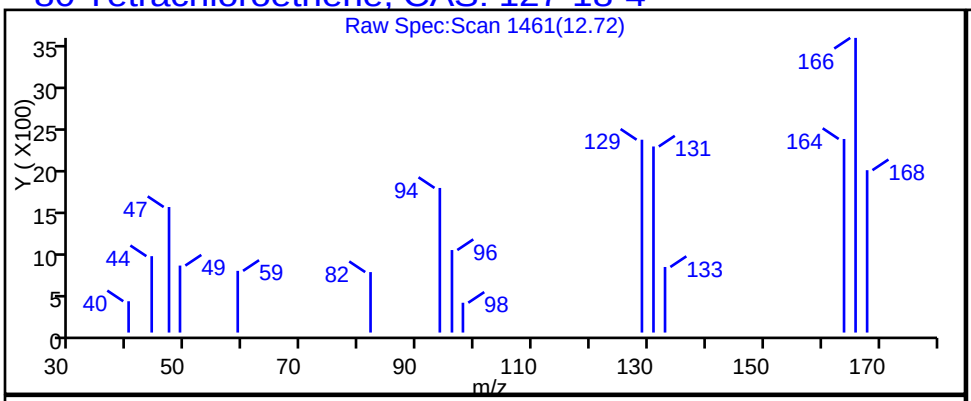
Report Date: 19-Dec-2015 00:56:22 Chrom Revision: 2.2 02-Dec-2015 11:51:48

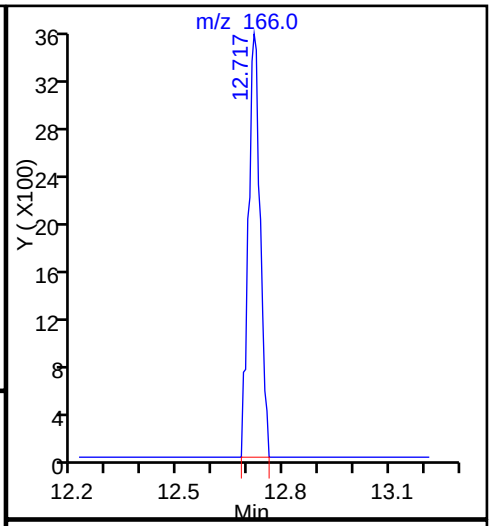
TestAmerica Buffalo

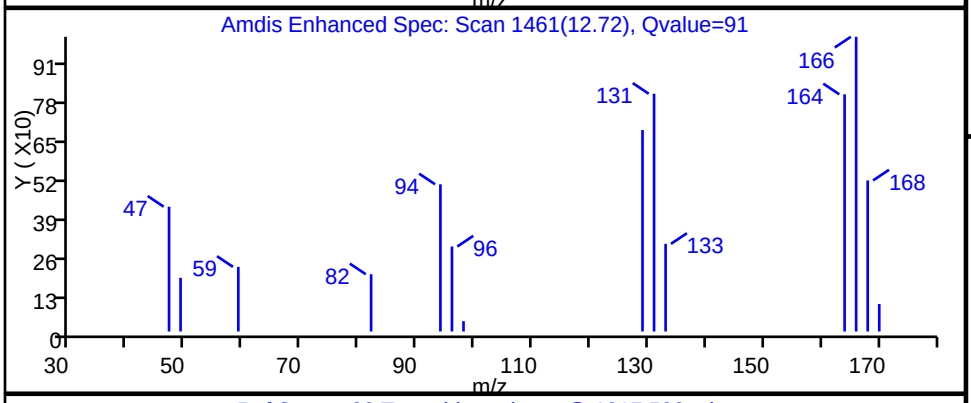
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D

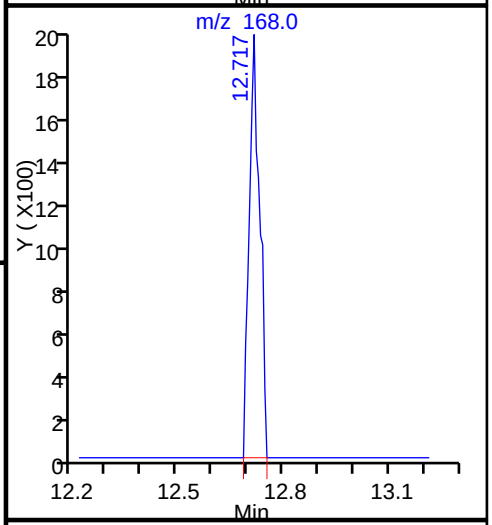
Injection Date:	18-Dec-2015 06:56:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-B	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	16 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

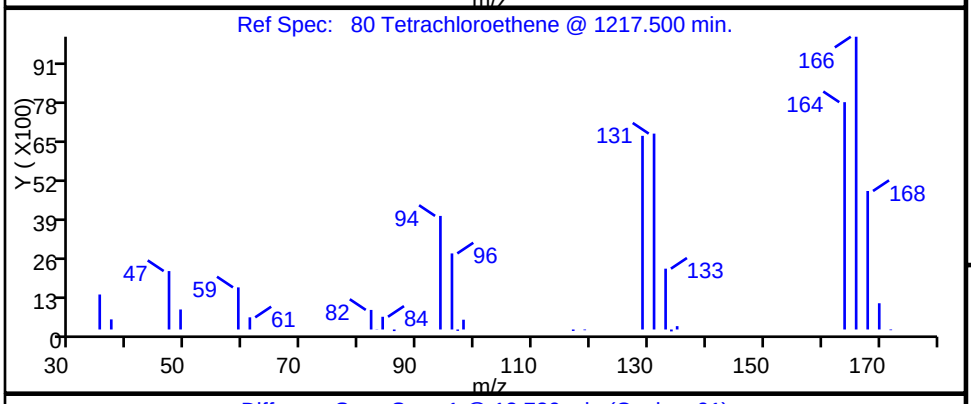
80 Tetrachloroethene, CAS: 127-18-4

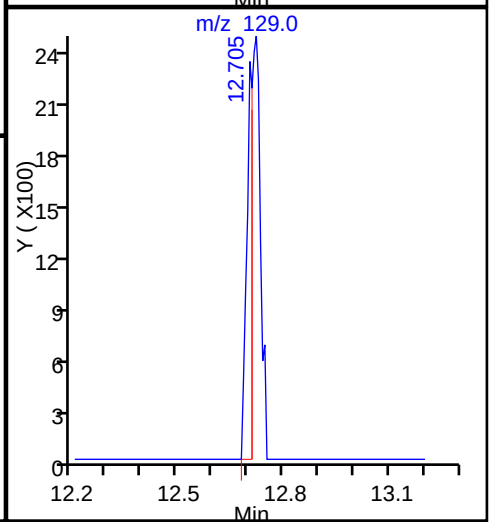


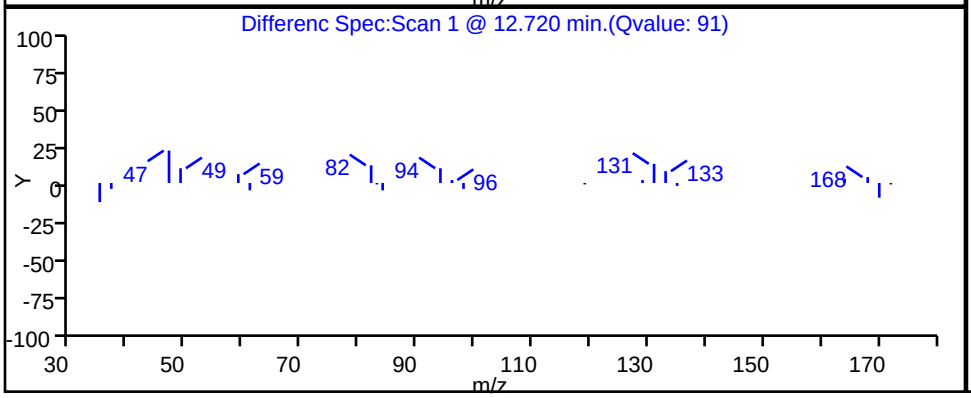












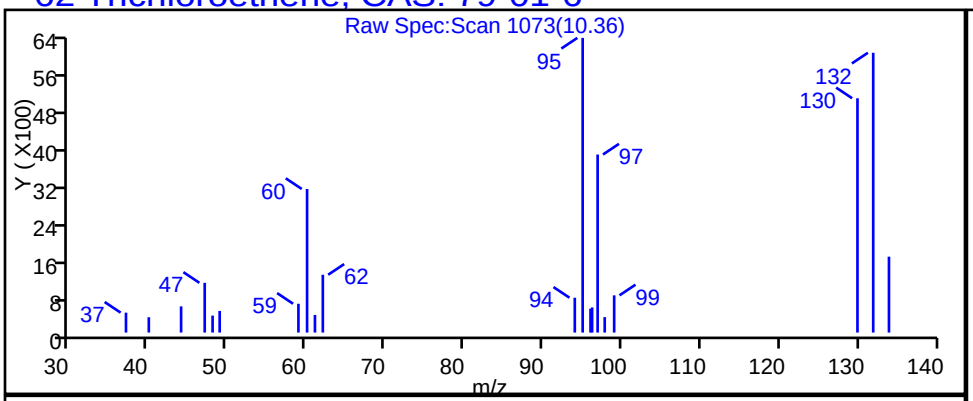
Report Date: 19-Dec-2015 00:56:22 Chrom Revision: 2.2 02-Dec-2015 11:51:48

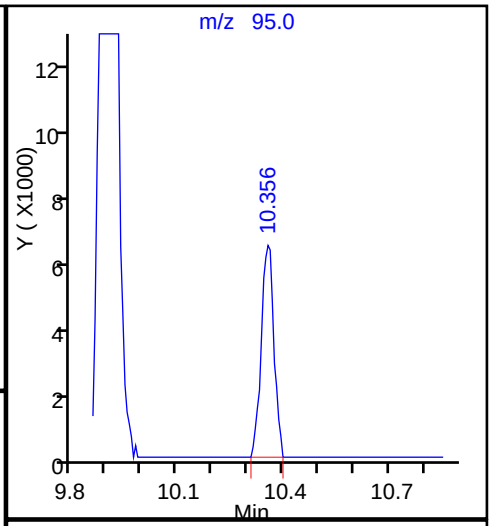
TestAmerica Buffalo

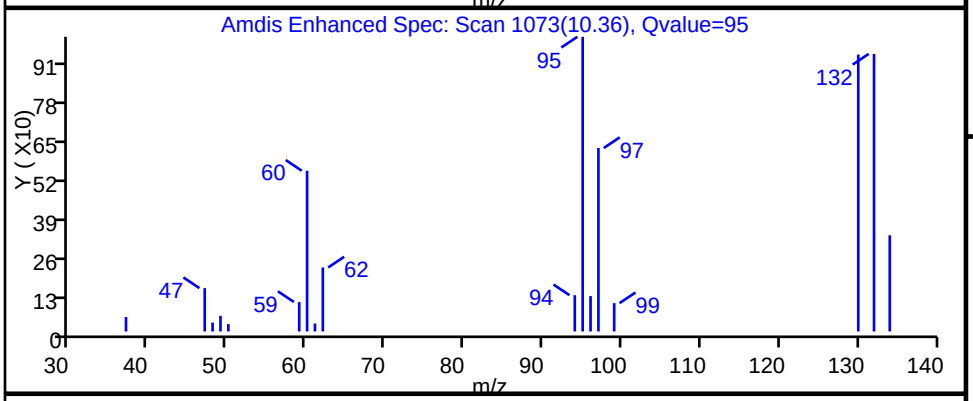
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D

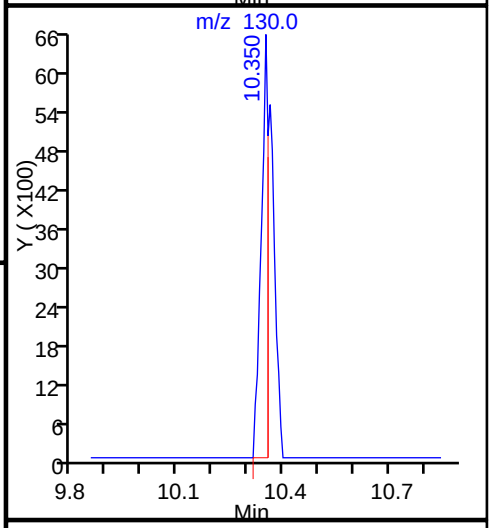
Injection Date:	18-Dec-2015 06:56:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-13-B	Lab Sample ID:	480-92744-13
Client ID:	B38-POLEBARN-S1		
Operator ID:	NMD	ALS Bottle#:	16 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

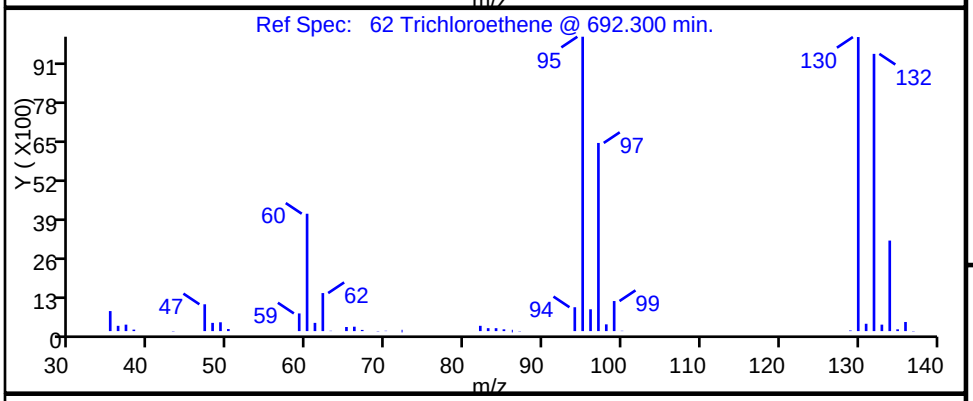
62 Trichloroethene, CAS: 79-01-6

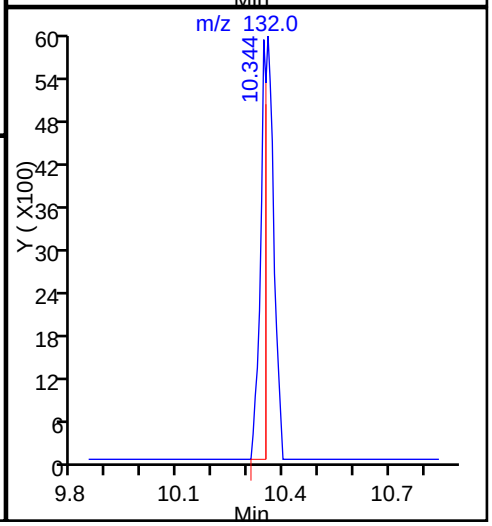


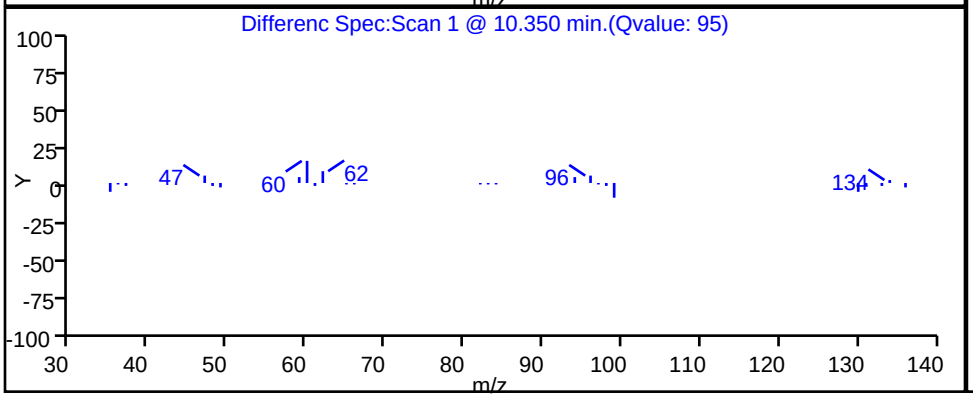












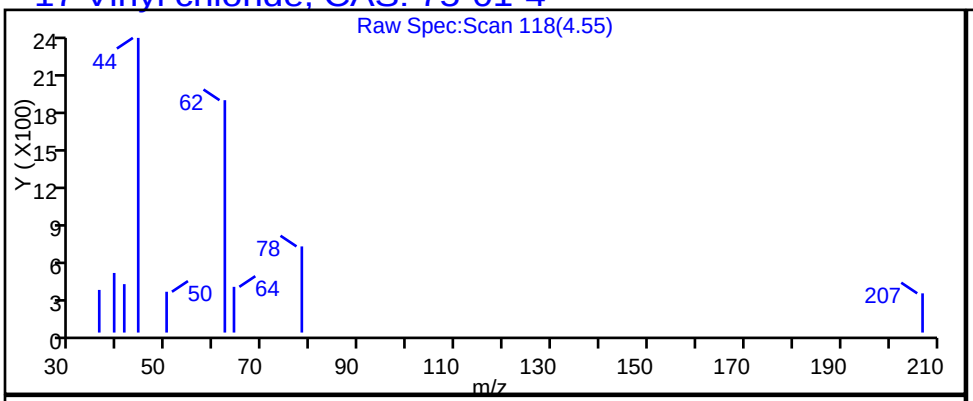
Report Date: 19-Dec-2015 00:56:22 Chrom Revision: 2.2 02-Dec-2015 11:51:48

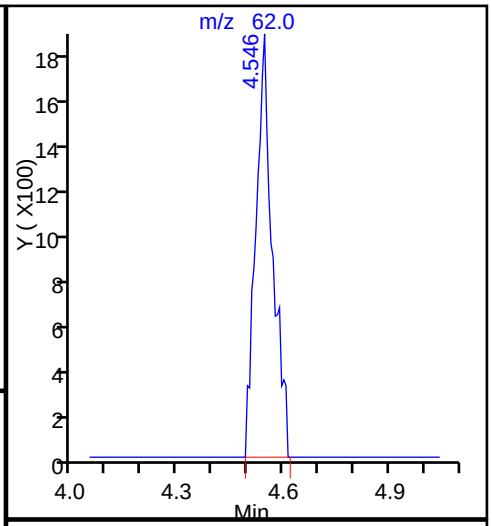
TestAmerica Buffalo

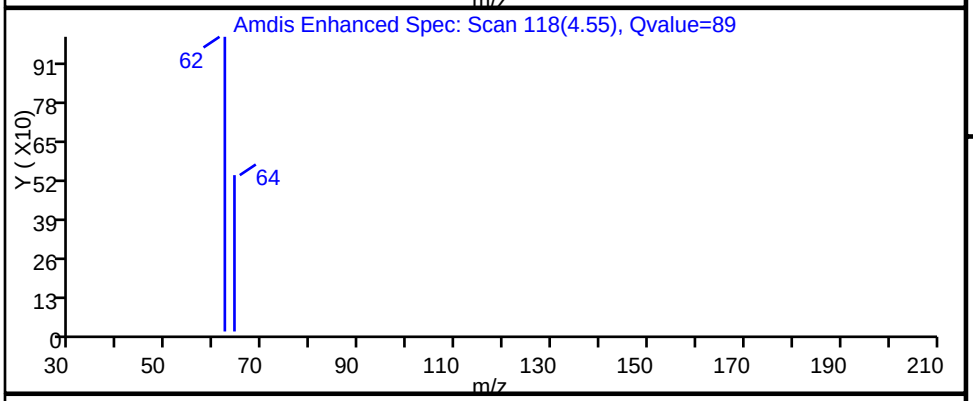
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2485.D

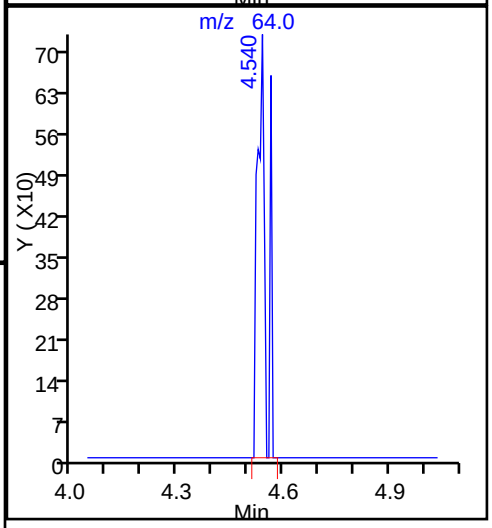
Injection Date:	18-Dec-2015 06:56:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-13-B	Lab Sample ID:	480-92744-13		
Client ID:	B38-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

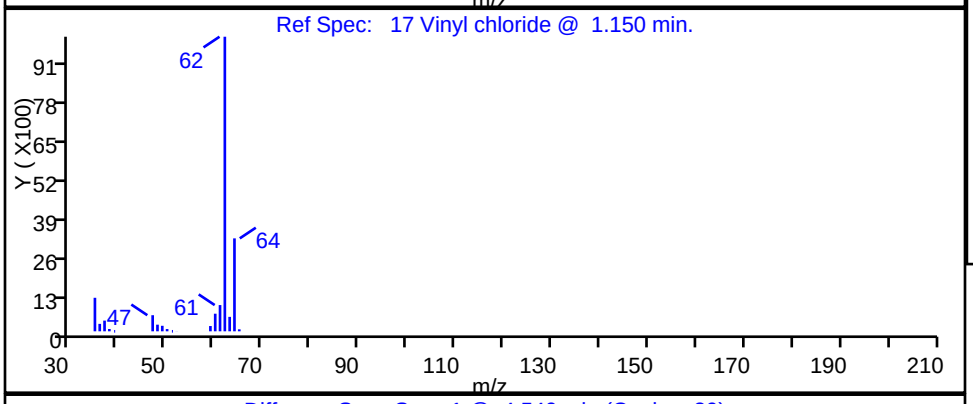
17 Vinyl chloride, CAS: 75-01-4

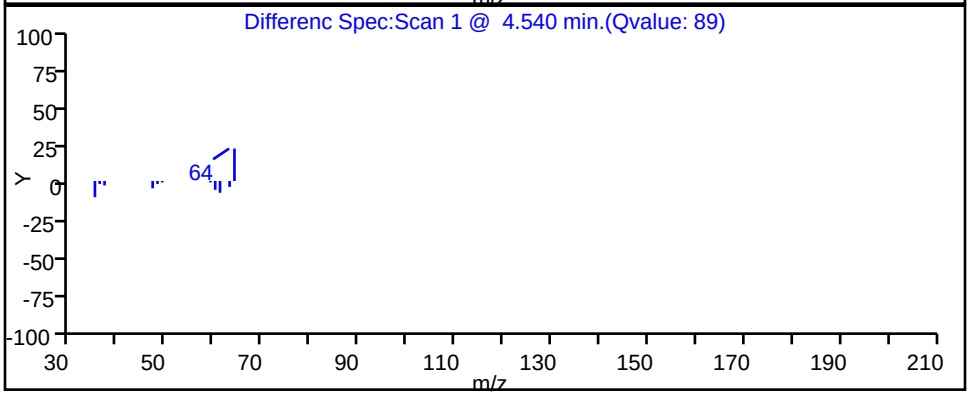












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S2 | Lab Sample ID: 480-92744-14

Matrix: Solid | Lab File ID: S6463.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:40

Sample wt/vol: 5.01(g) | Date Analyzed: 12/22/2015 14:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.4 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		110	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		110	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4200		110	54
79-00-5	1,1,2-Trichloroethane	ND		110	23
75-34-3	1,1-Dichloroethane	44	J	110	33
75-35-4	1,1-Dichloroethene	ND		110	37
120-82-1	1,2,4-Trichlorobenzene	ND		110	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		110	54
106-93-4	1,2-Dibromoethane	ND		110	19
95-50-1	1,2-Dichlorobenzene	120		110	28
107-06-2	1,2-Dichloroethane	ND		110	44
78-87-5	1,2-Dichloropropane	ND		110	18
541-73-1	1,3-Dichlorobenzene	ND		110	29
106-46-7	1,4-Dichlorobenzene	ND		110	15
78-93-3	2-Butanone (MEK)	ND		540	320
591-78-6	2-Hexanone	ND		540	220
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		540	35
67-64-1	Acetone	ND		540	450
71-43-2	Benzene	ND		110	21
75-27-4	Bromodichloromethane	ND		110	22
75-25-2	Bromoform	ND		110	54
74-83-9	Bromomethane	ND		110	24
75-15-0	Carbon disulfide	ND		110	49
56-23-5	Carbon tetrachloride	ND		110	28
108-90-7	Chlorobenzene	31	J	110	14
75-00-3	Chloroethane	ND		110	23
67-66-3	Chloroform	ND		110	74
74-87-3	Chloromethane	ND		110	26
156-59-2	cis-1,2-Dichloroethene	47	J	110	30
10061-01-5	cis-1,3-Dichloropropene	ND		110	26
110-82-7	Cyclohexane	ND		110	24
124-48-1	Dibromochloromethane	ND		110	52
75-71-8	Dichlorodifluoromethane	ND		110	47
100-41-4	Ethylbenzene	140		110	32
98-82-8	Isopropylbenzene	ND		110	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S2 | Lab Sample ID: 480-92744-14

Matrix: Solid | Lab File ID: S6463.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:40

Sample wt/vol: 5.01(g) | Date Analyzed: 12/22/2015 14:50

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.4 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		110	52
1634-04-4	Methyl tert-butyl ether	ND		110	41
108-87-2	Methylcyclohexane	ND		110	51
75-09-2	Methylene Chloride	ND		110	21
100-42-5	Styrene	ND		110	26
127-18-4	*Tetrachloroethene*	*24000*	*E*	*110*	*15*
108-88-3	Toluene	110		110	29
156-60-5	trans-1,2-Dichloroethene	ND		110	26
10061-02-6	trans-1,3-Dichloropropene	ND		110	11
79-01-6	Trichloroethene	8400		110	30
75-69-4	Trichlorofluoromethane	ND		110	51
75-01-4	Vinyl chloride	ND		110	36
1330-20-7	Xylenes, Total	520		220	60

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		53-146
460-00-4	4-Bromofluorobenzene (Surr)	91		49-148
2037-26-5	Toluene-d8 (Surr)	98		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D
Lims ID: 480-92744-A-14-C Lab Sample ID: 480-92744-14
Client ID: B38-POLEBARN-S2
Sample Type: Client
Inject. Date: 22-Dec-2015 14:50:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-14-C
Misc. Info.: 480-0049479-012
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 12:14:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 22-Dec-2015 18:06:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	120681	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	88	240066	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	96	222516	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	89562	23.9	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	95	565662	26.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	87	166953	24.6	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.401				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.815				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	2.630	2.648	-0.018	84	186500	38.9	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.734				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.141				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63	3.786	3.786	0.000	1	4988	0.4094	
45 cis-1,2-Dichloroethene	96	4.346	4.340	0.006	19	2690	0.4384	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.137				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.745	5.751	-0.006	89	443994	77.6	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92	6.980	6.980	0.000	81	12741	0.9786	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	93	1382365	220.4	E
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.941				ND	
87 Chlorobenzene	112	8.422	8.422	0.000	1	4330	0.2850	
88 Ethylbenzene	91	8.519	8.525	-0.006	79	31243	1.32	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	40135	4.01	
91 o-Xylene	106	9.072	9.073	-0.001	77	7744	0.7938	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.334				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	62	12413	1.10	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		4.81	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

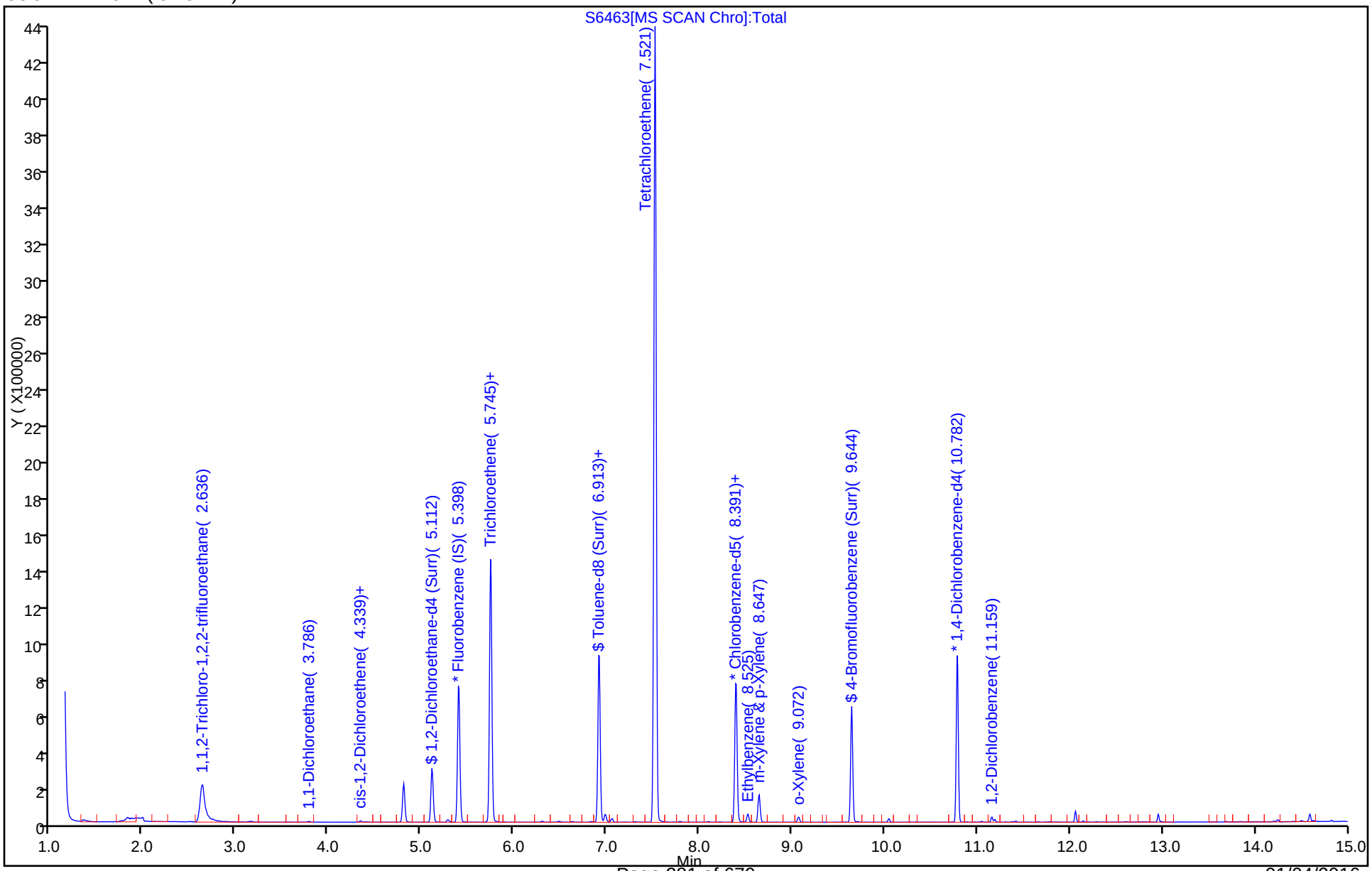
Report Date: 23-Dec-2015 12:15:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D

Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14	Worklist Smp#:	12
Client ID:	B38-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

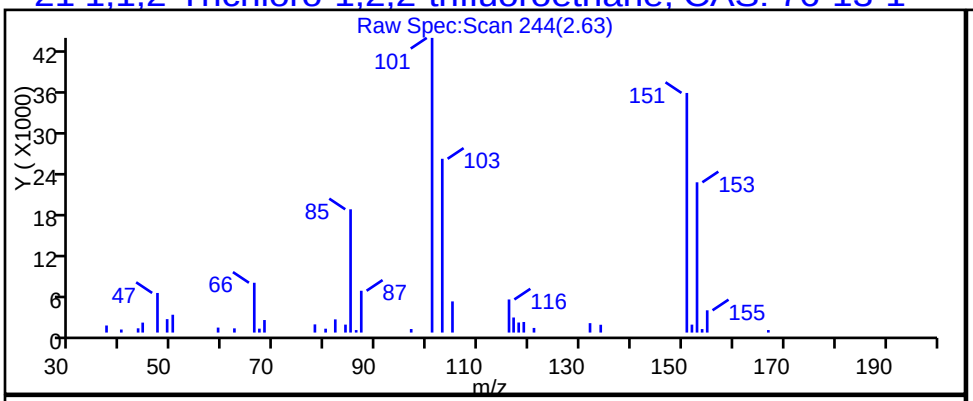


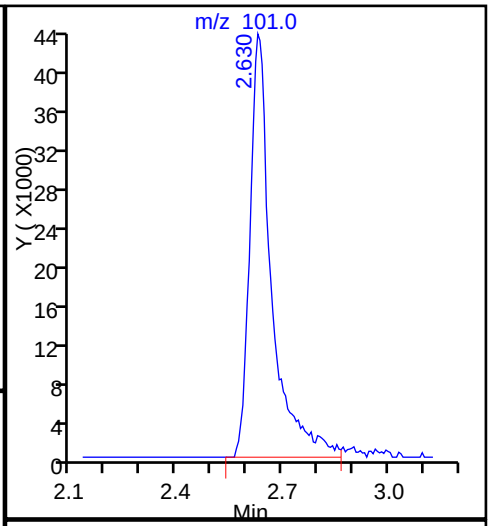
TestAmerica Buffalo

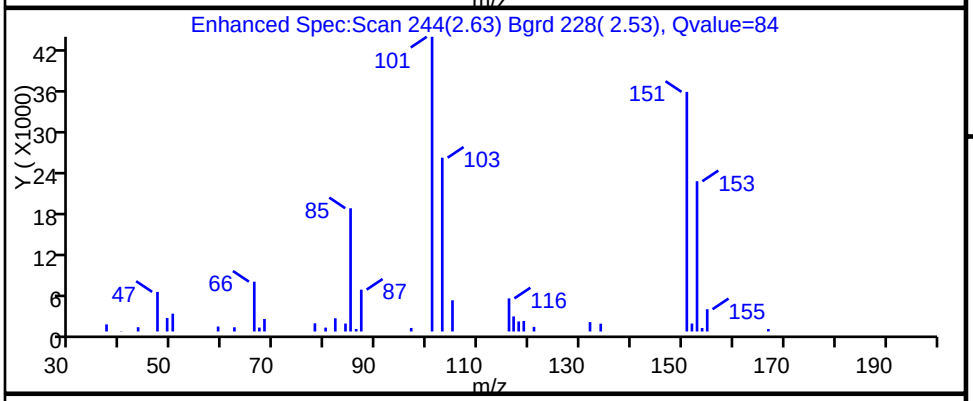
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D

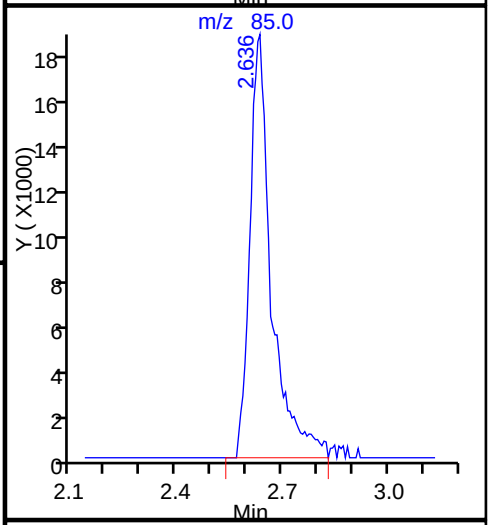
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

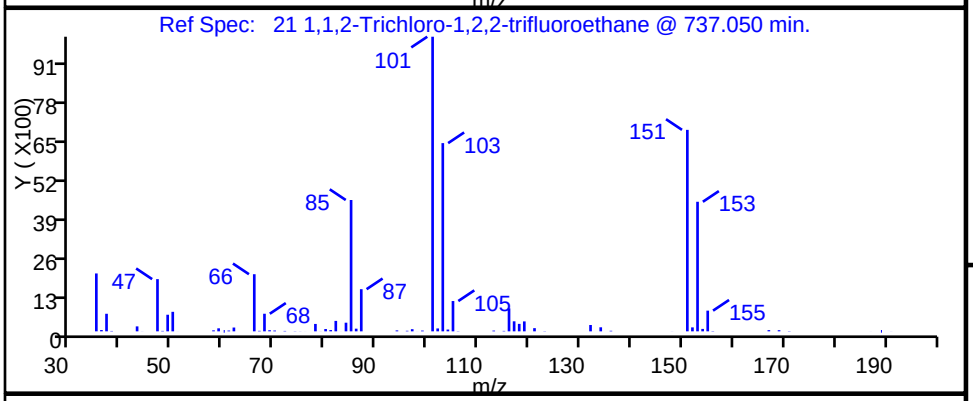
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

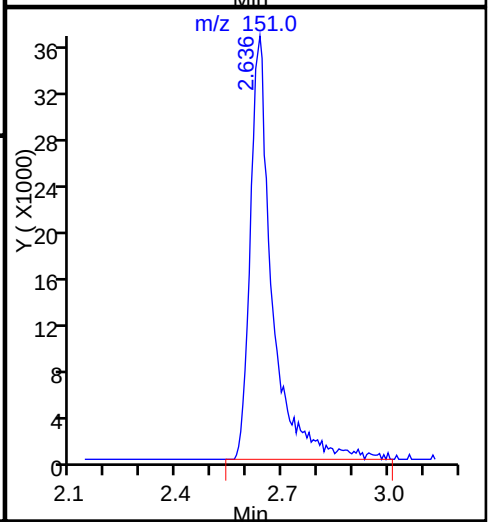


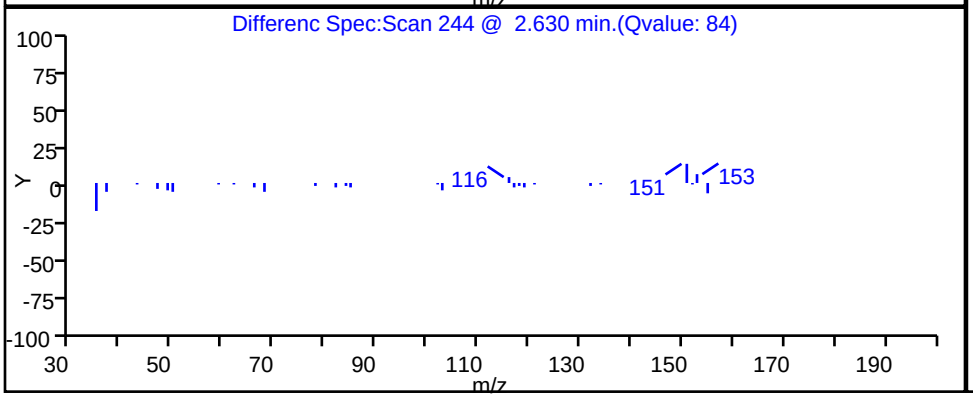










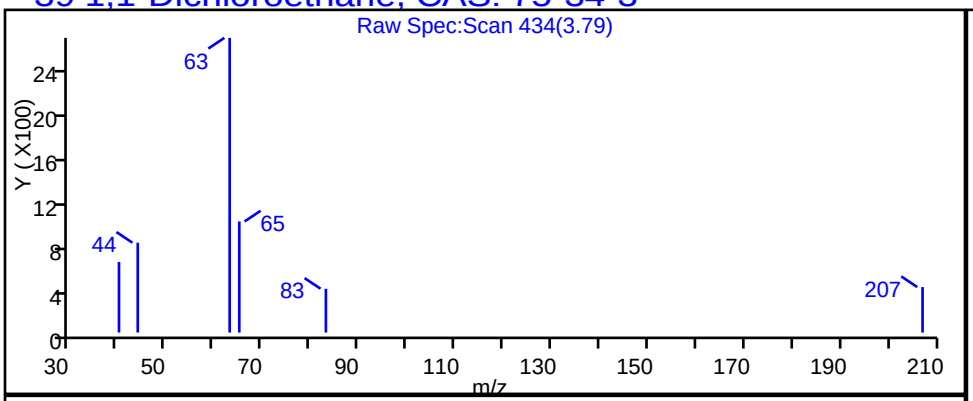


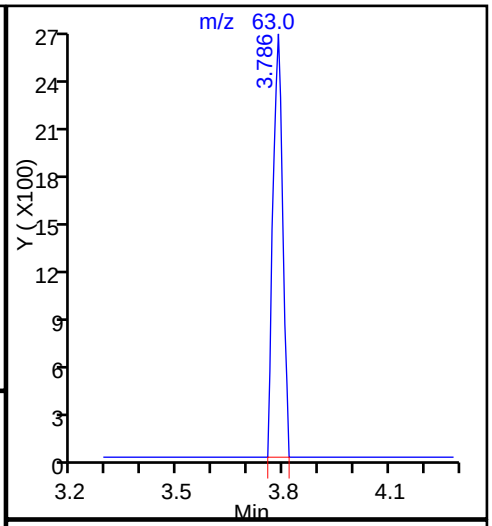
TestAmerica Buffalo

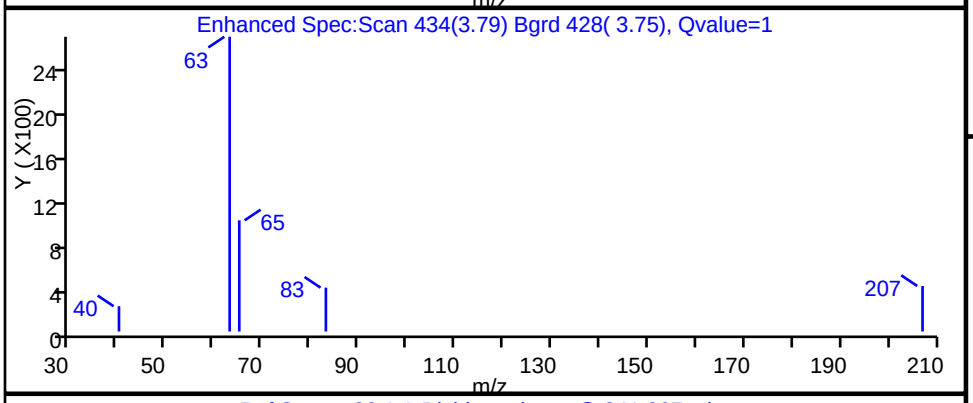
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D

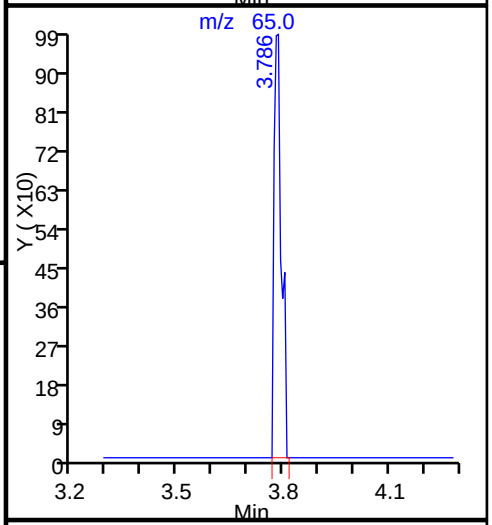
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	13 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

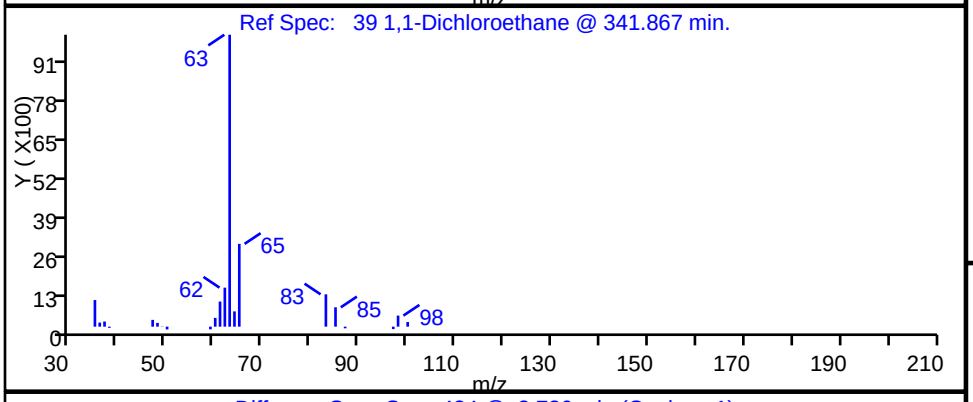
39 1,1-Dichloroethane, CAS: 75-34-3

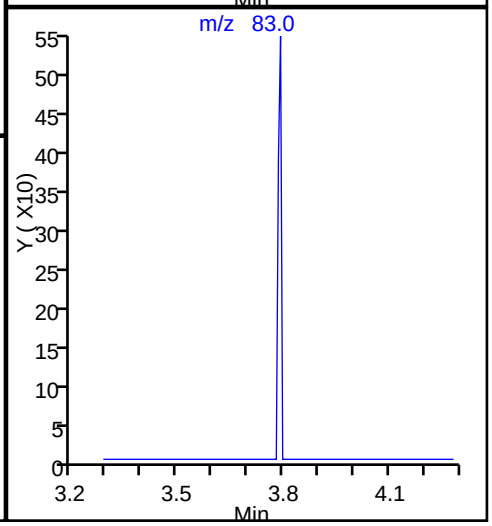


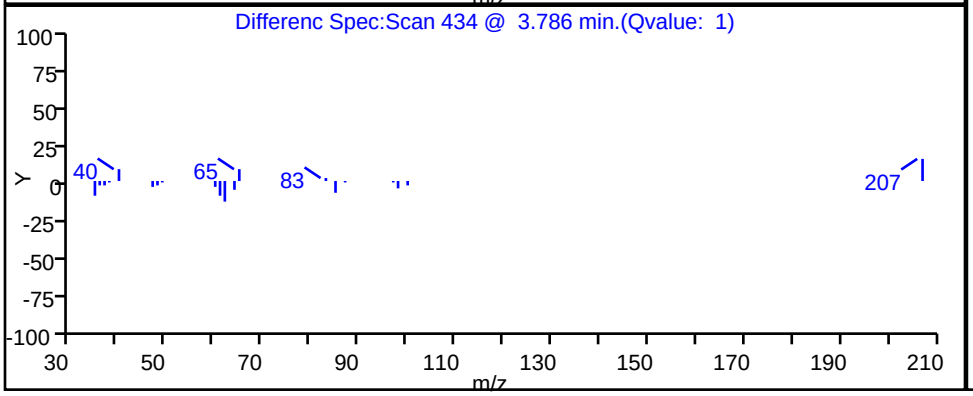








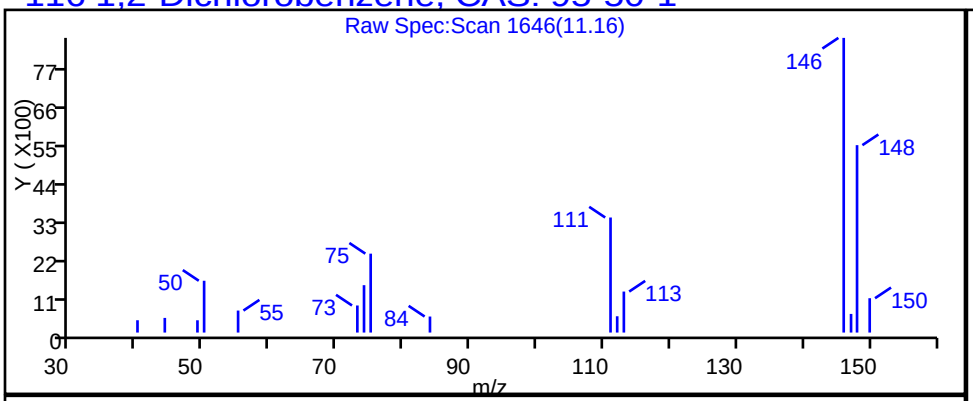


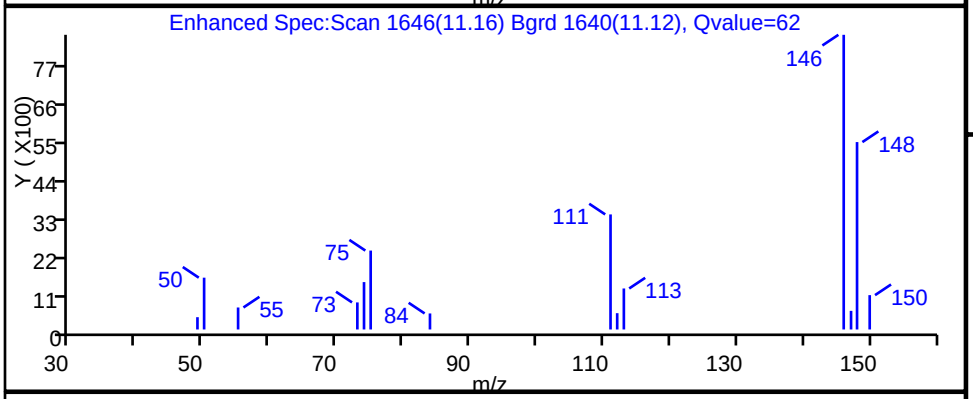


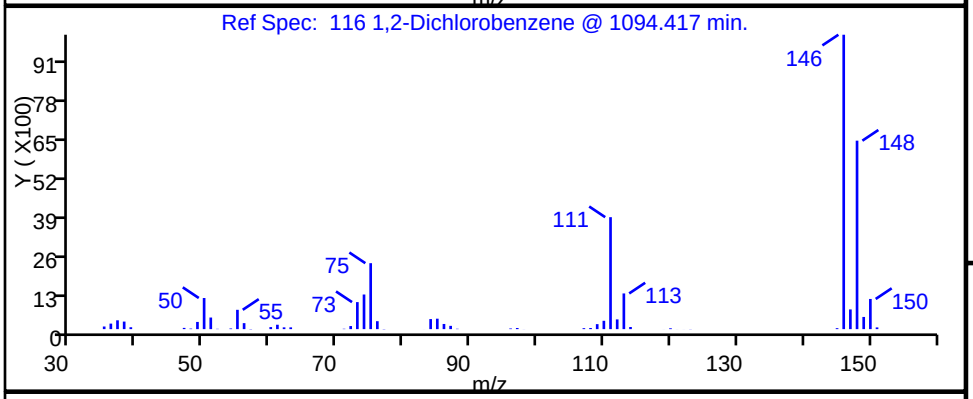
TestAmerica Buffalo

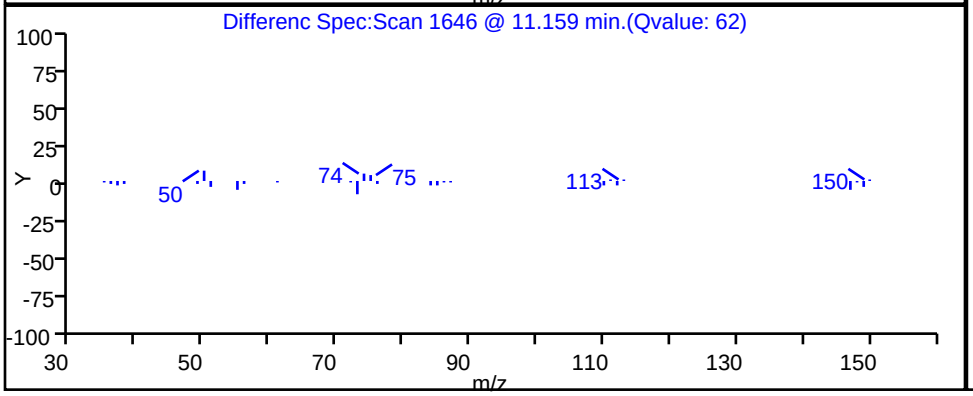
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D				
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

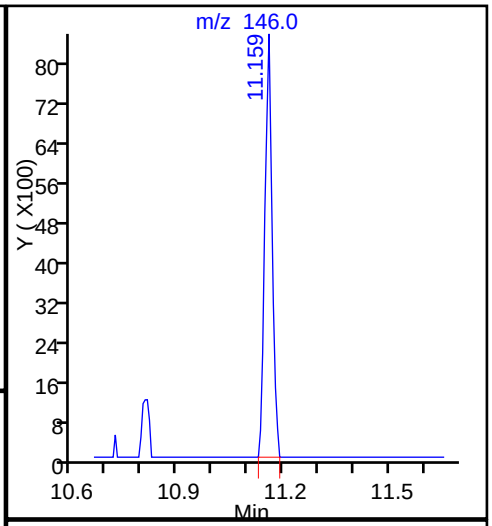
116 1,2-Dichlorobenzene, CAS: 95-50-1

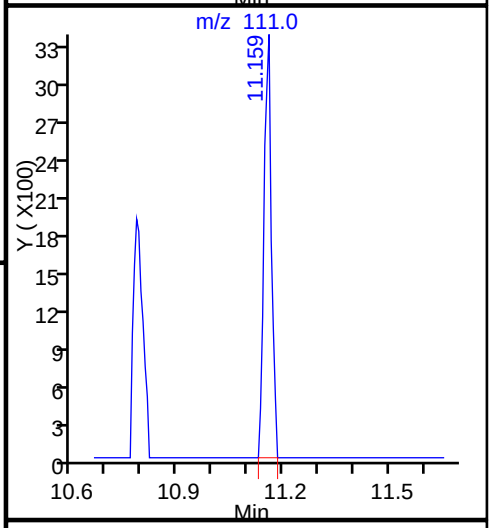


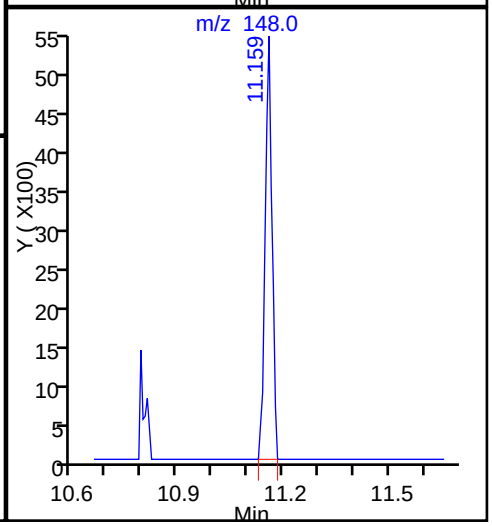








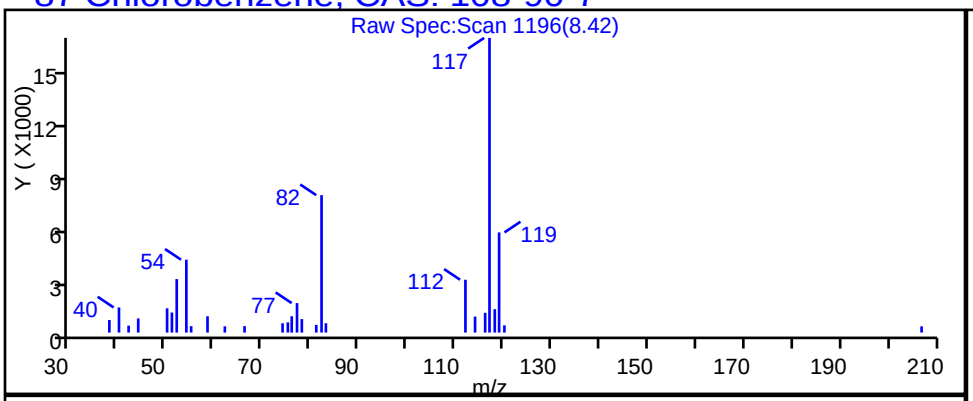


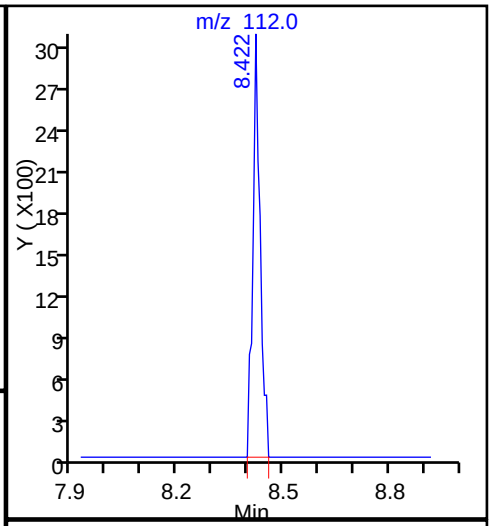


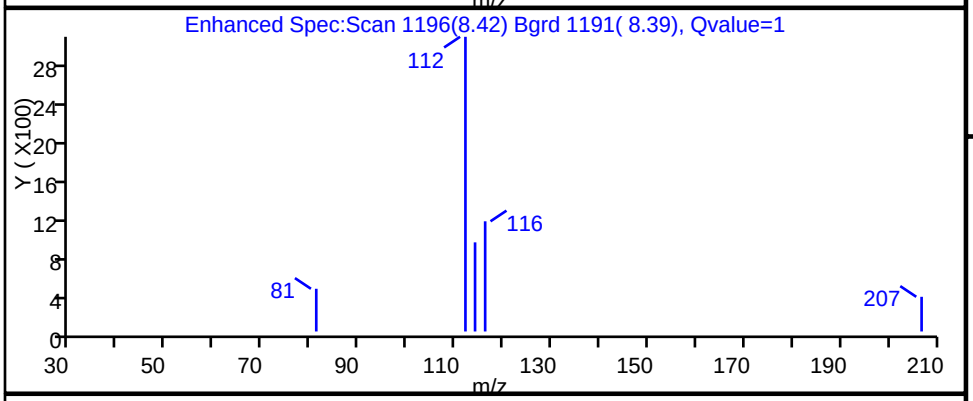
TestAmerica Buffalo

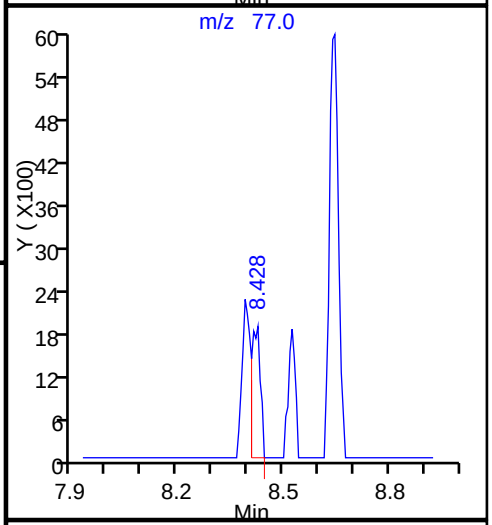
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D				
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

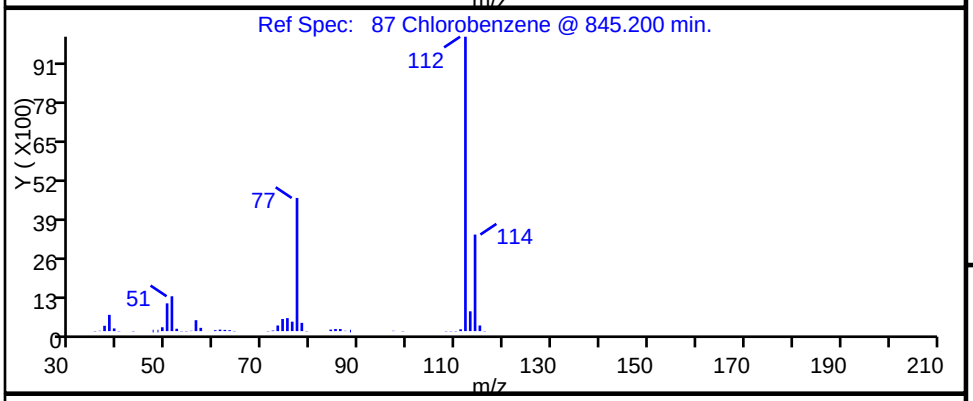
87 Chlorobenzene, CAS: 108-90-7

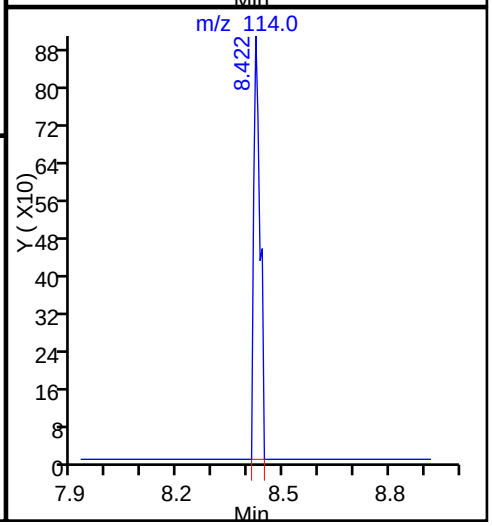


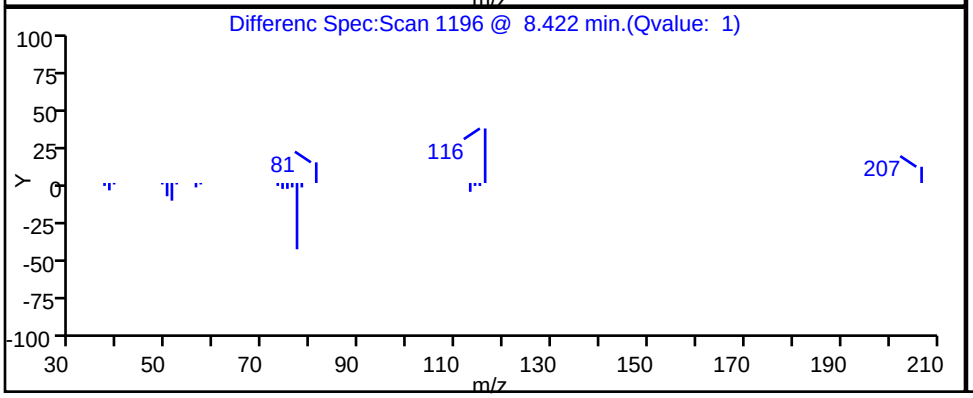








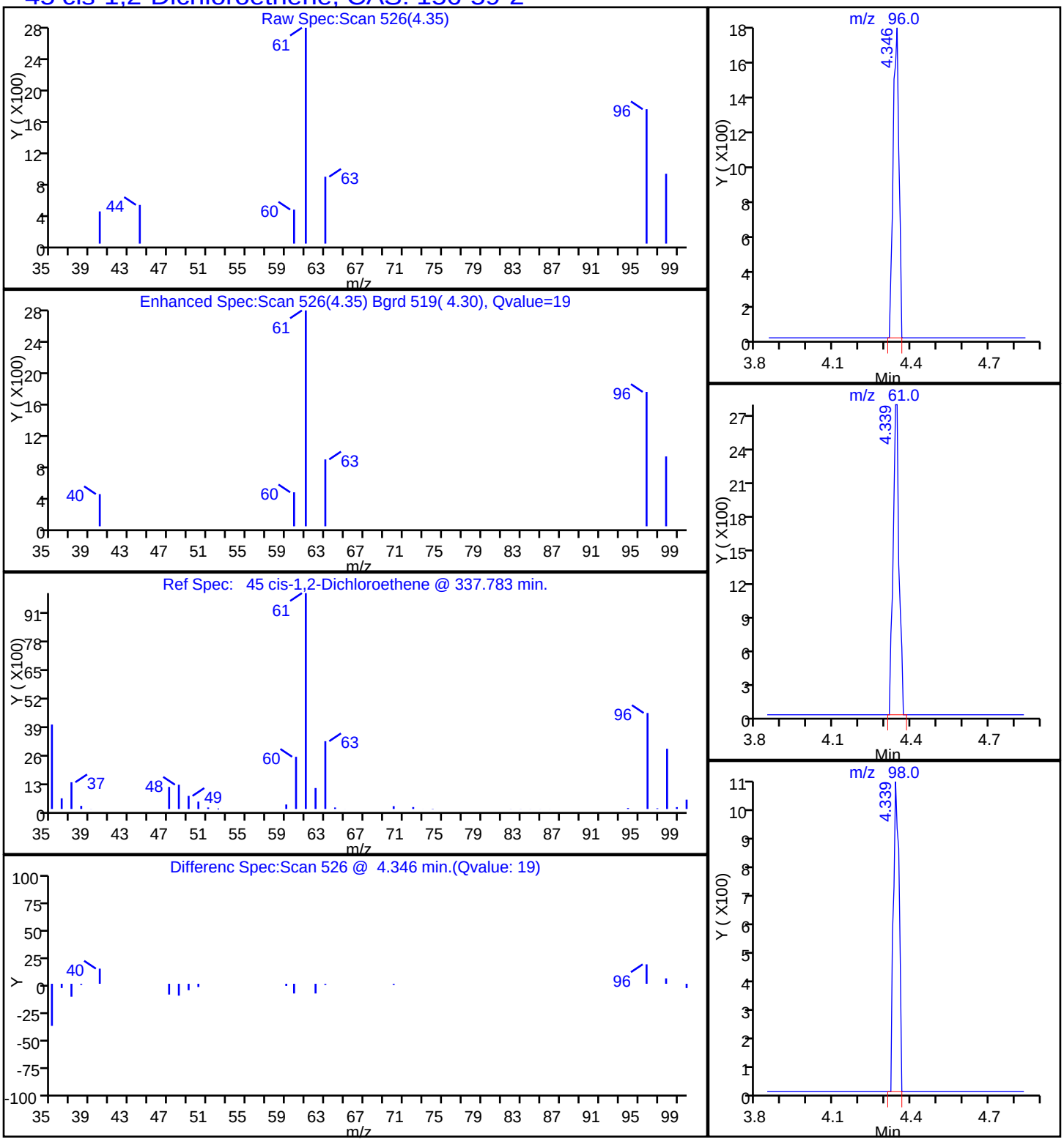




TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D		
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	13 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

45 cis-1,2-Dichloroethene, CAS: 156-59-2

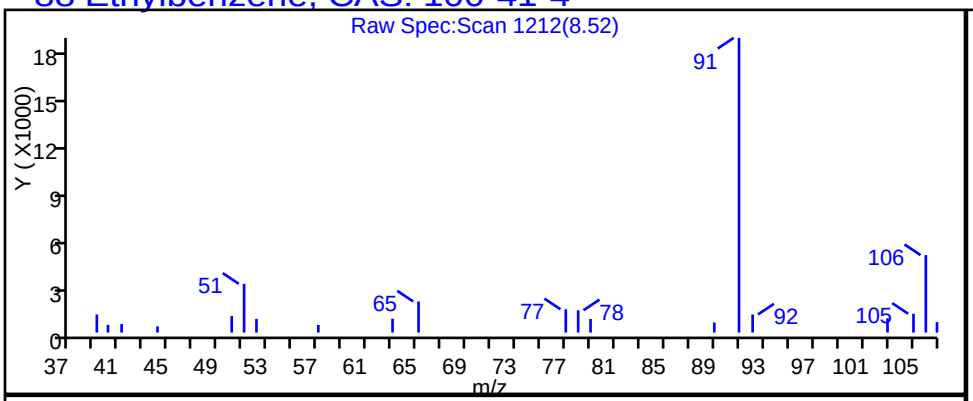


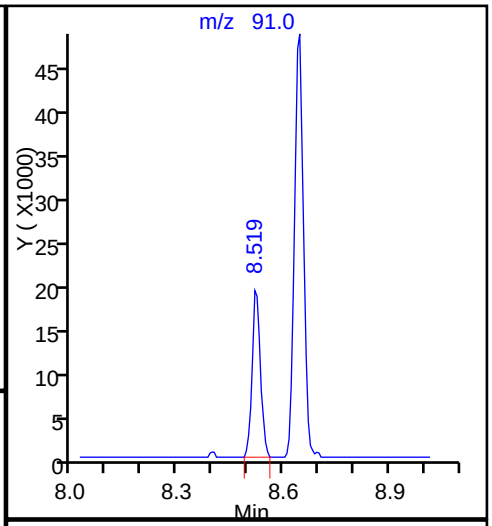
TestAmerica Buffalo

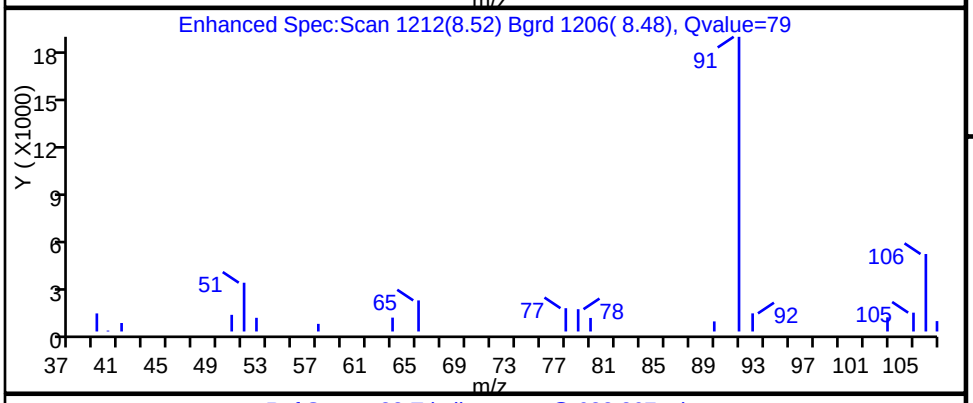
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D

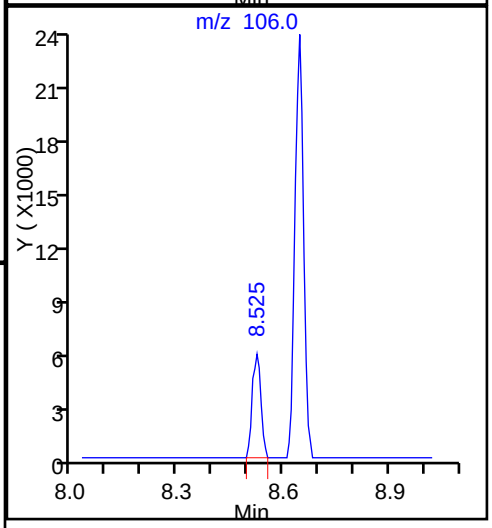
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	13 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

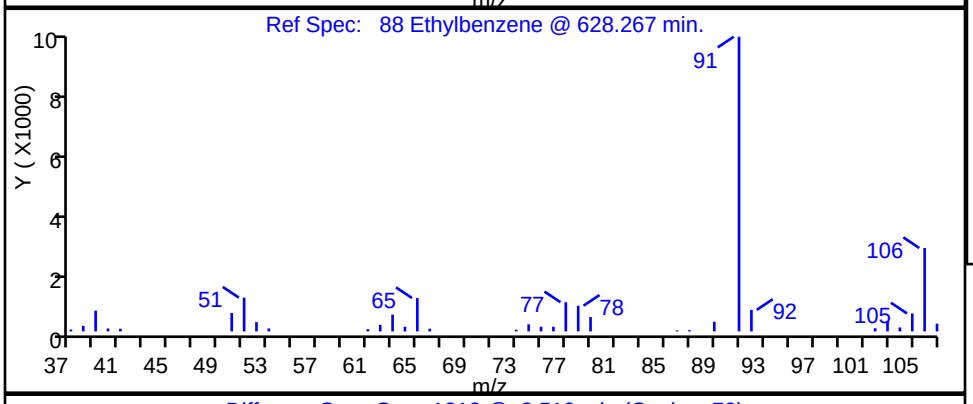
88 Ethylbenzene, CAS: 100-41-4

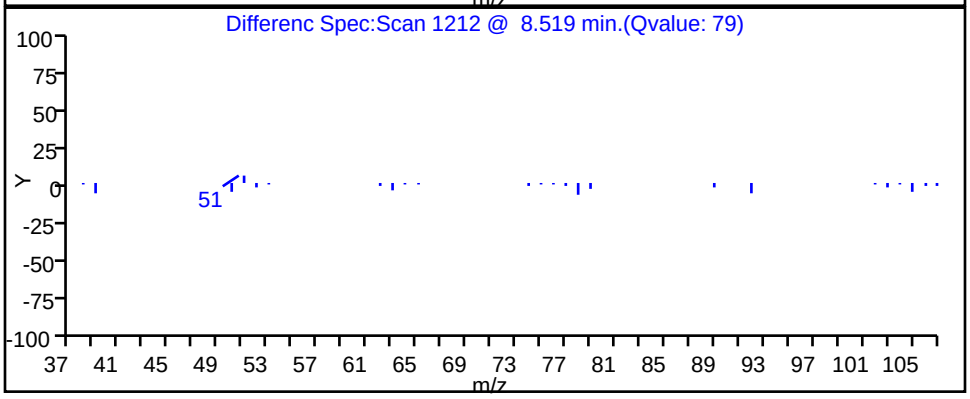








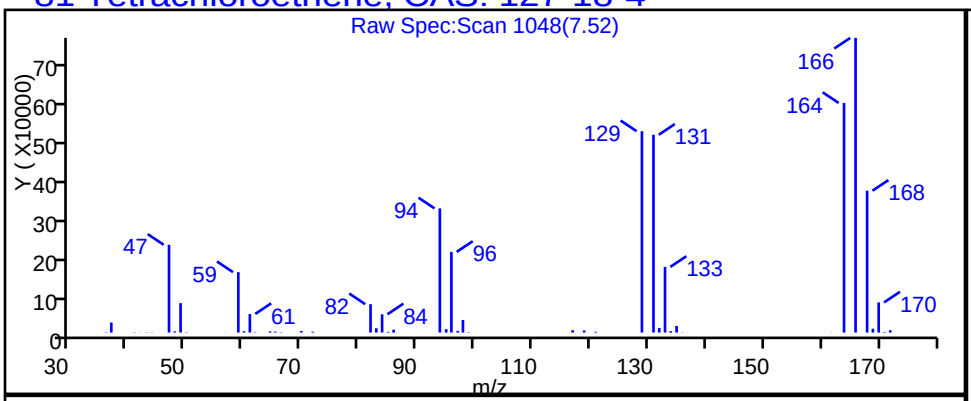


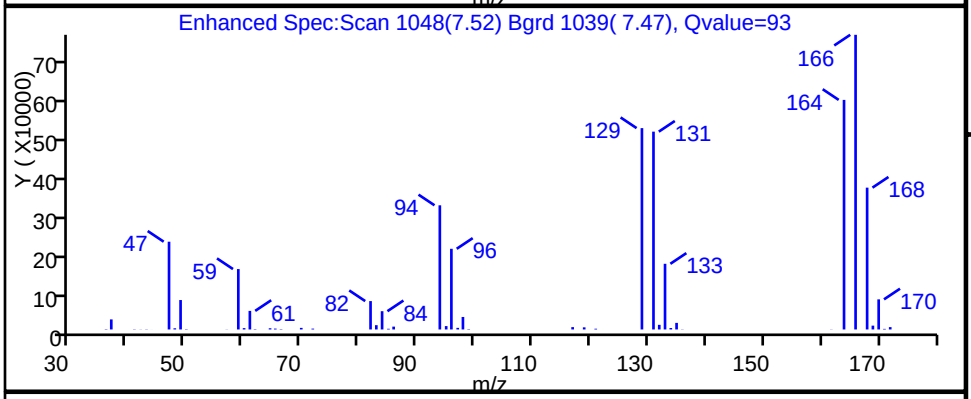


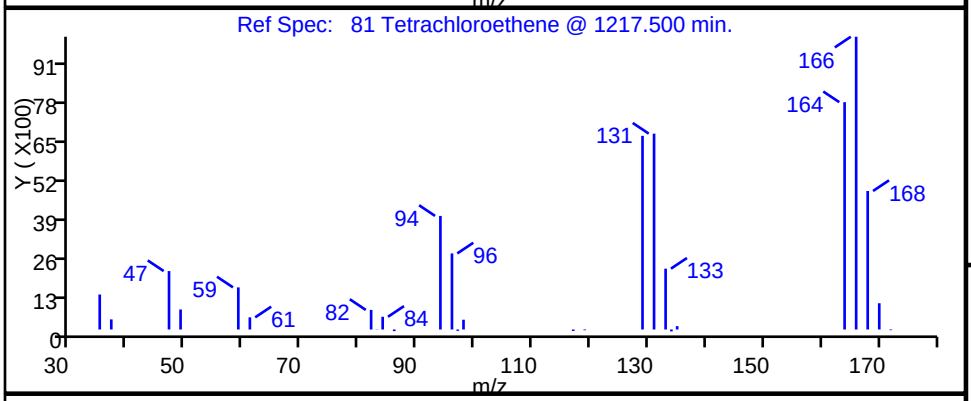
TestAmerica Buffalo

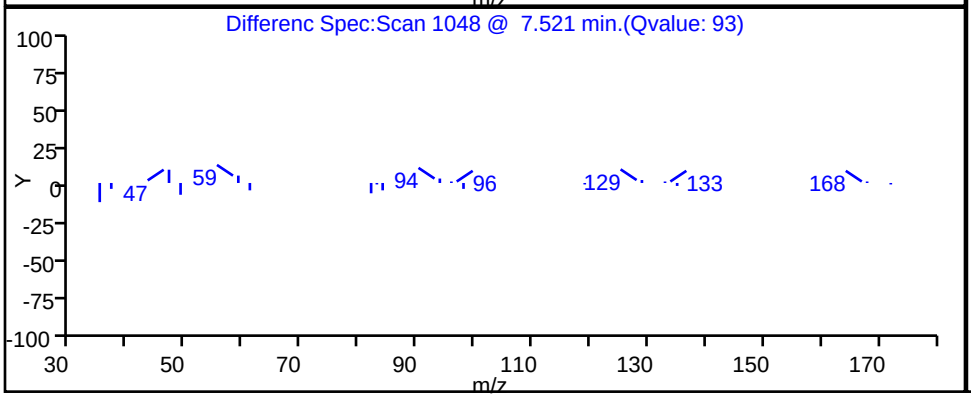
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D		
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	13 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

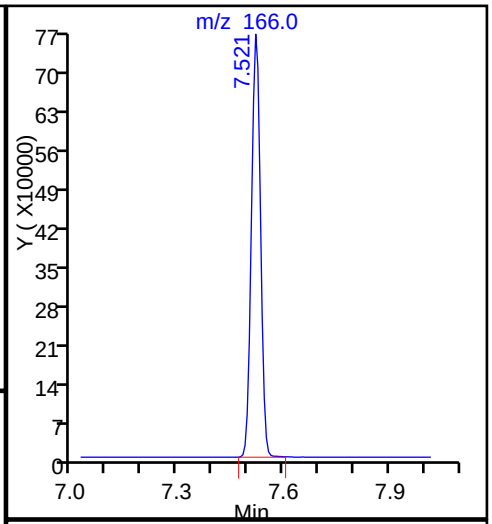
81 Tetrachloroethene, CAS: 127-18-4

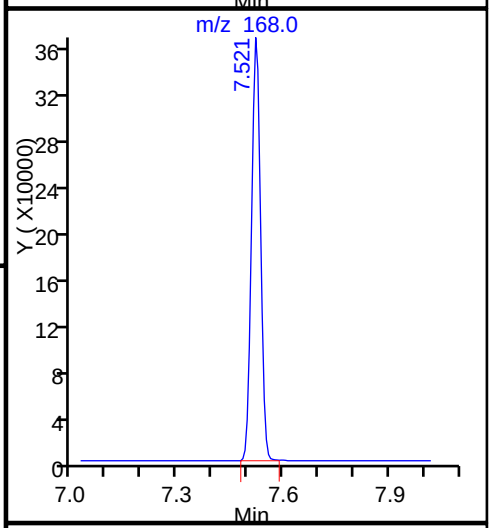


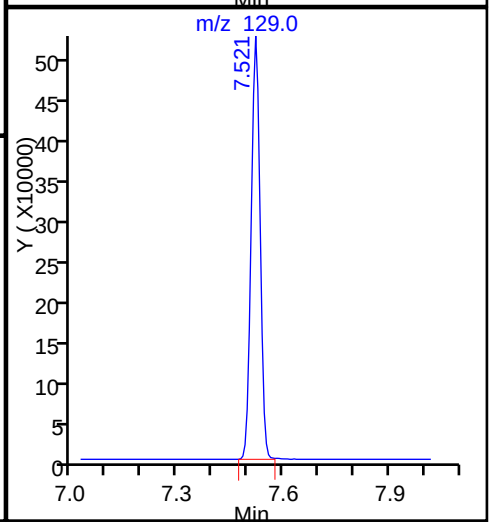








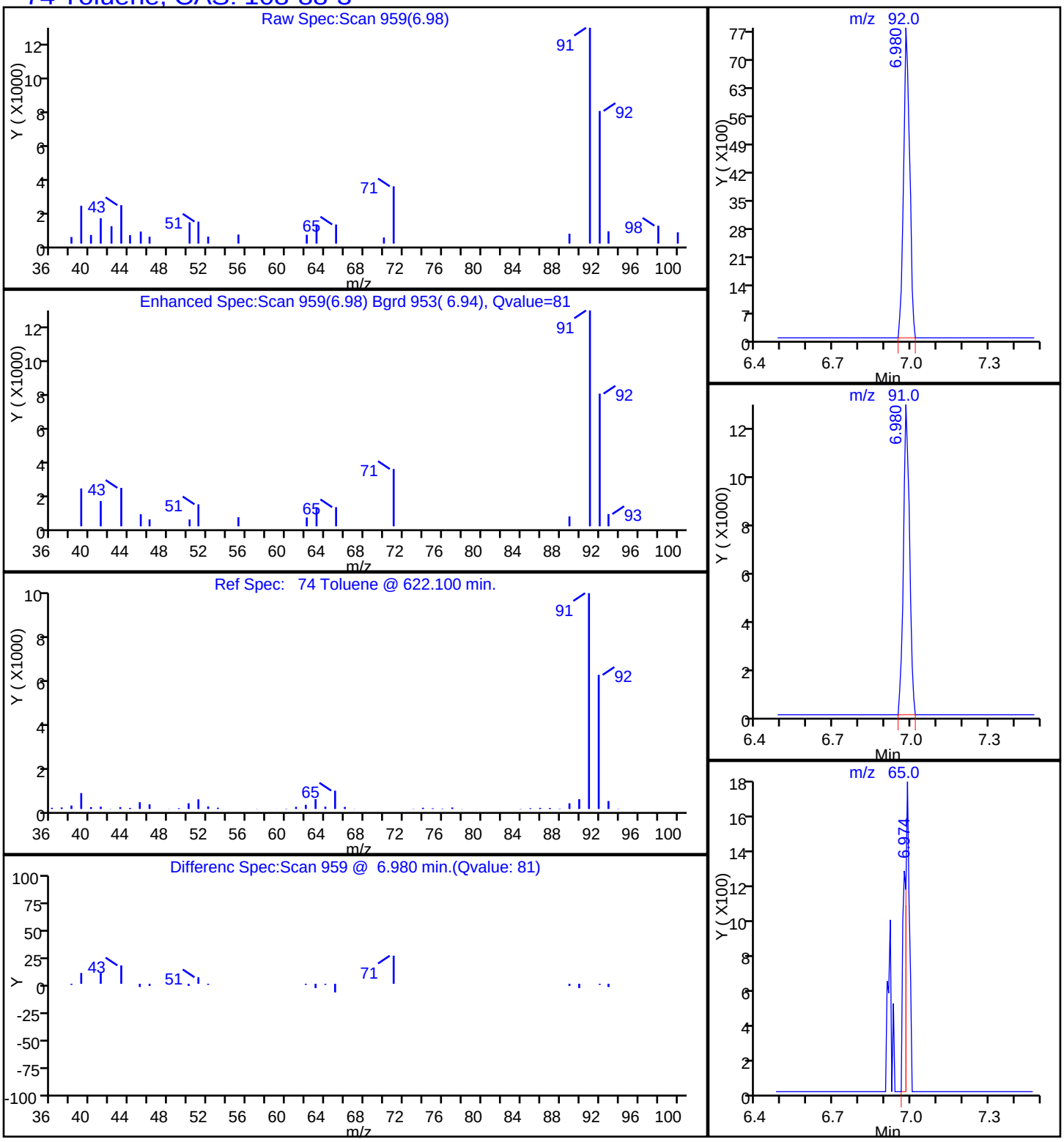




TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D		
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	13 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

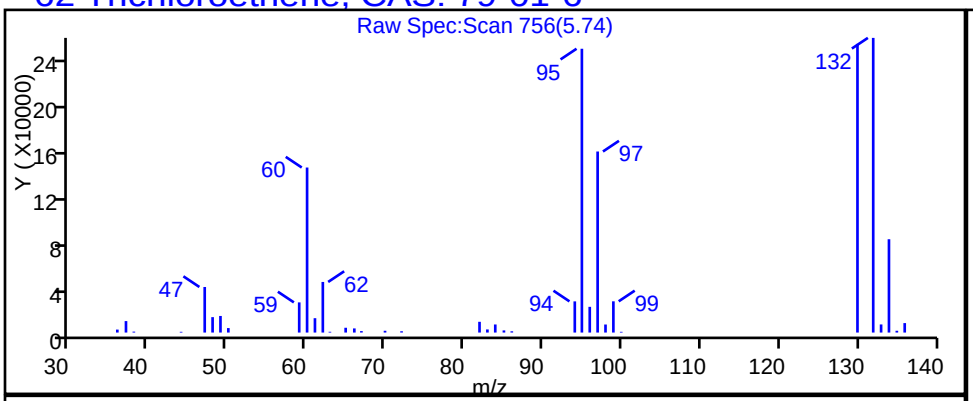
74 Toluene, CAS: 108-88-3

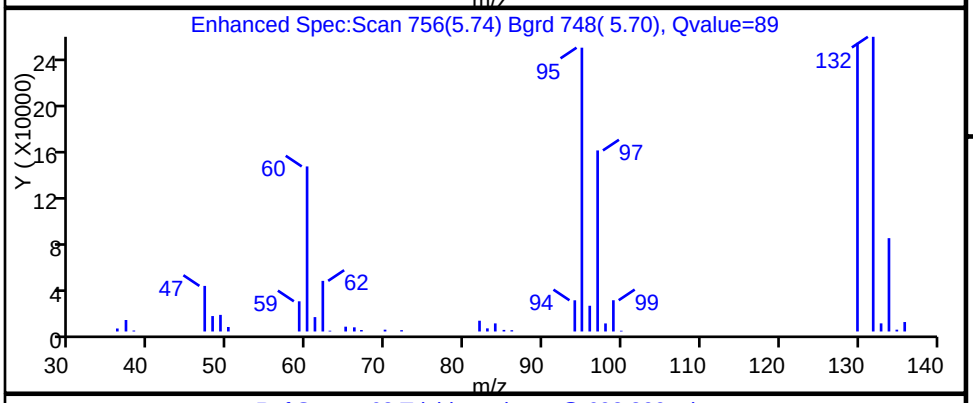


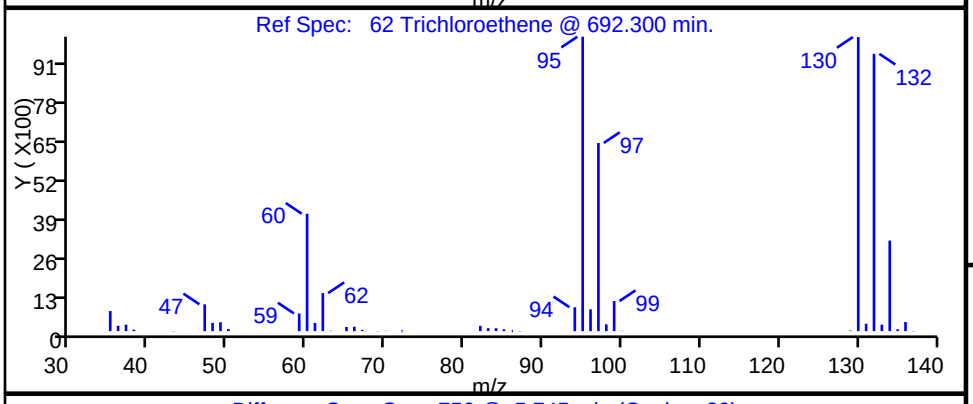
TestAmerica Buffalo

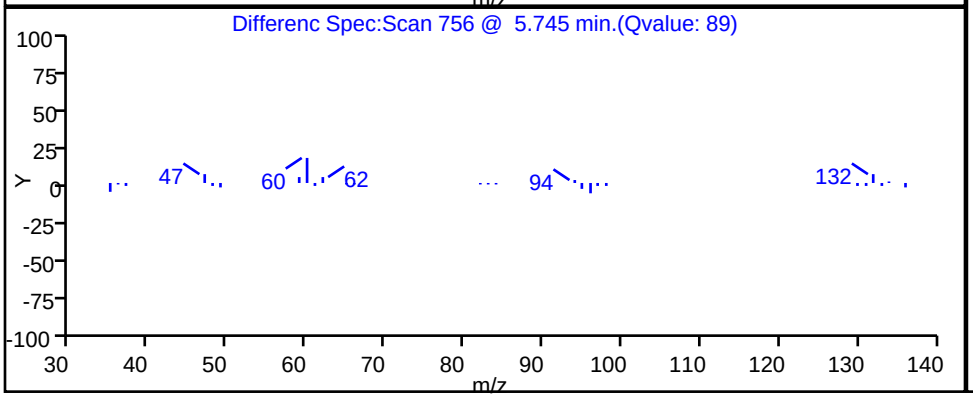
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D				
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

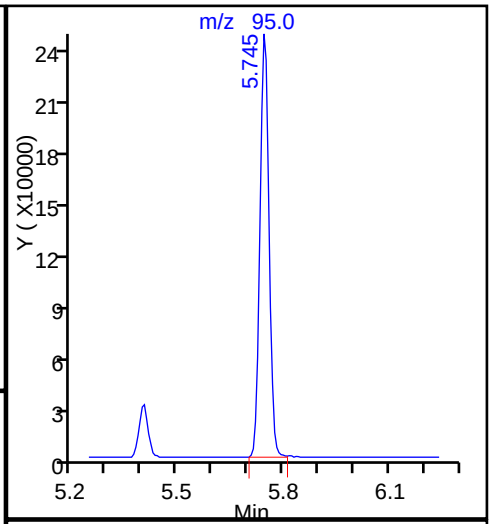
62 Trichloroethene, CAS: 79-01-6

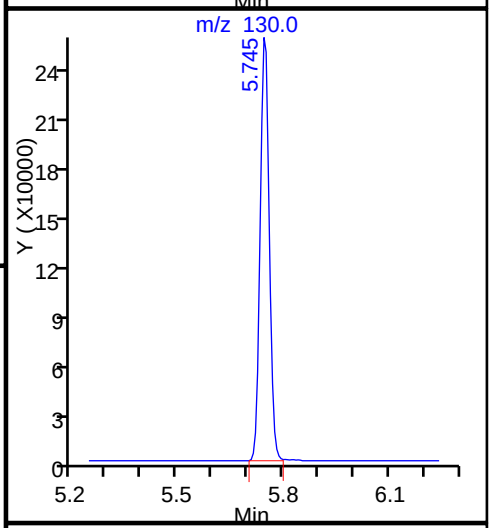


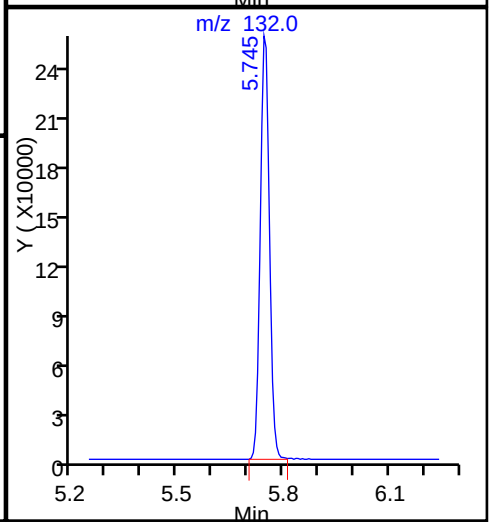








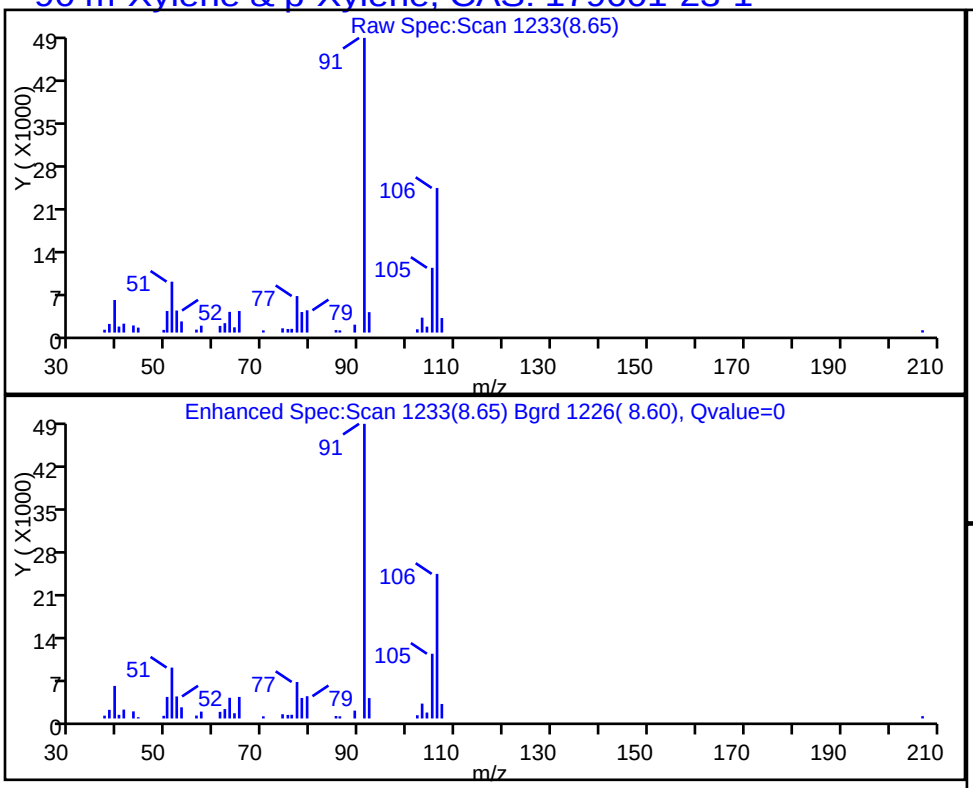


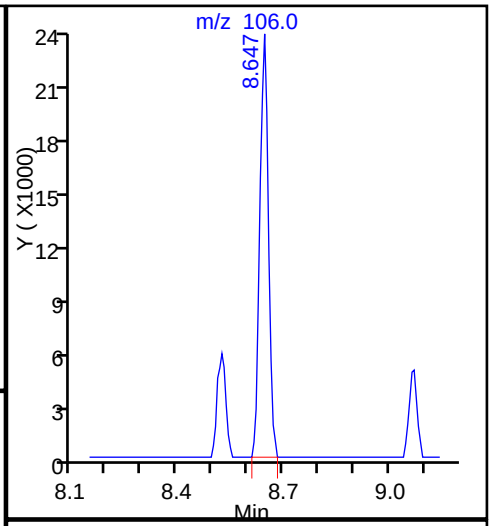


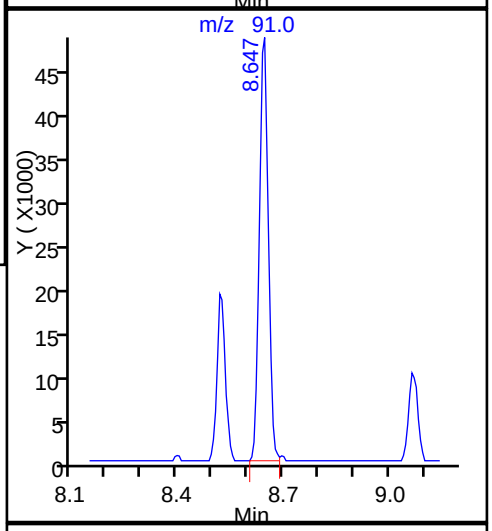
TestAmerica Buffalo

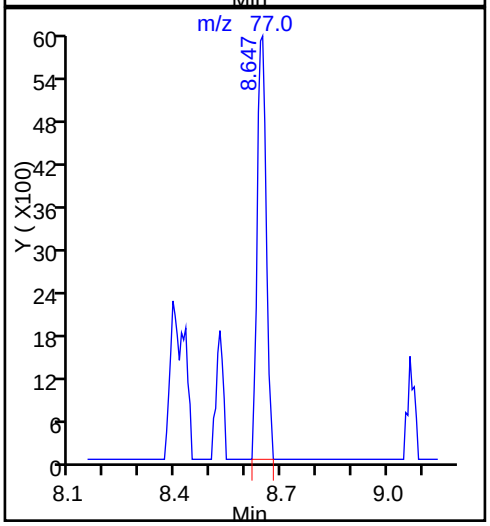
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D				
Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1









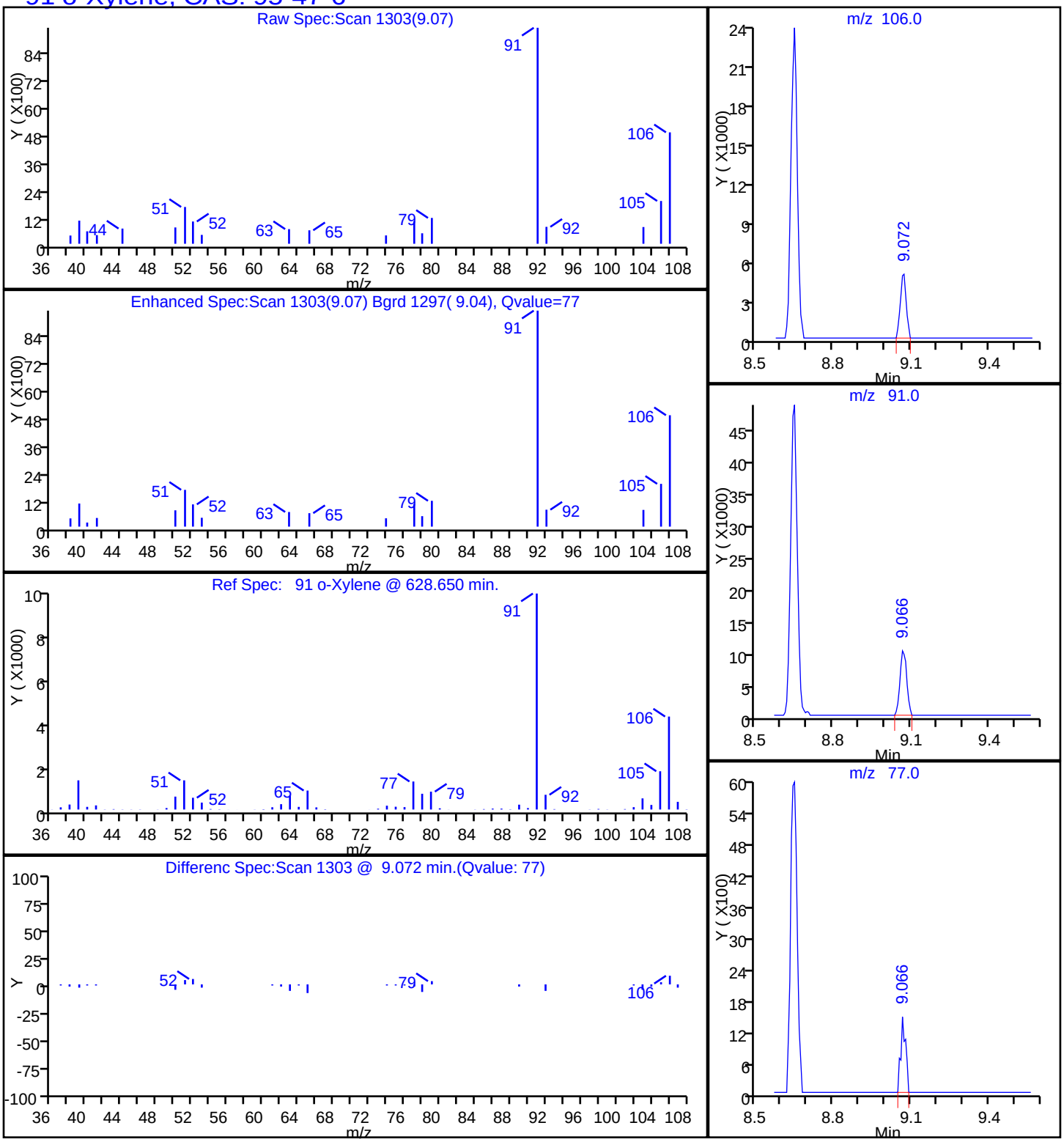
Report Date: 23-Dec-2015 12:15:19 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6463.D

Injection Date:	22-Dec-2015 14:50:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S2 DL | Lab Sample ID: 480-92744-14 DL

Matrix: Solid | Lab File ID: S6474.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:40

Sample wt/vol: 5.01(g) | Date Analyzed: 12/22/2015 19:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.4 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		430	120
79-34-5	1,1,2,2-Tetrachloroethane	ND		430	70
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5000		430	220
79-00-5	1,1,2-Trichloroethane	ND		430	91
75-34-3	1,1-Dichloroethane	ND		430	130
75-35-4	1,1-Dichloroethene	ND		430	150
120-82-1	1,2,4-Trichlorobenzene	ND		430	160
96-12-8	1,2-Dibromo-3-Chloropropane	ND		430	220
106-93-4	1,2-Dibromoethane	ND		430	76
95-50-1	1,2-Dichlorobenzene	110	J	430	110
107-06-2	1,2-Dichloroethane	ND		430	180
78-87-5	1,2-Dichloropropane	ND		430	70
541-73-1	1,3-Dichlorobenzene	ND		430	120
106-46-7	1,4-Dichlorobenzene	ND		430	61
78-93-3	2-Butanone (MEK)	ND		2200	1300
591-78-6	2-Hexanone	ND		2200	890
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2200	140
67-64-1	Acetone	ND		2200	1800
71-43-2	Benzene	ND		430	82
75-27-4	Bromodichloromethane	ND		430	87
75-25-2	Bromoform	ND		430	220
74-83-9	Bromomethane	ND		430	95
75-15-0	Carbon disulfide	ND		430	200
56-23-5	Carbon tetrachloride	ND		430	110
108-90-7	Chlorobenzene	ND		430	57
75-00-3	Chloroethane	ND		430	90
67-66-3	Chloroform	ND		430	300
74-87-3	Chloromethane	ND		430	100
156-59-2	cis-1,2-Dichloroethene	ND		430	120
10061-01-5	cis-1,3-Dichloropropene	ND		430	100
110-82-7	Cyclohexane	ND		430	96
124-48-1	Dibromochloromethane	ND		430	210
75-71-8	Dichlorodifluoromethane	ND		430	190
100-41-4	Ethylbenzene	150	J	430	130
98-82-8	Isopropylbenzene	ND		430	65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S2 DL | Lab Sample ID: 480-92744-14 DL

Matrix: Solid | Lab File ID: S6474.D

Analysis Method: 8260C | Date Collected: 12/14/2015 14:40

Sample wt/vol: 5.01(g) | Date Analyzed: 12/22/2015 19:02

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 5.4 | Level: (low/med) Medium

Analysis Batch No.: 281000 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	*Methyl acetate*	*ND*		*430*	*210*
1634-04-4	*Methyl tert-butyl ether*	*ND*		*430*	*160*
108-87-2	*Methylcyclohexane*	*ND*		*430*	*200*
75-09-2	*Methylene Chloride*	*ND*		*430*	*86*
100-42-5	*Styrene*	*ND*		*430*	*100*
127-18-4	Tetrachloroethene	27000		430	58
108-88-3	*Toluene*	*ND*		*430*	*120*
156-60-5	*trans-1,2-Dichloroethene*	*ND*		*430*	*100*
10061-02-6	*trans-1,3-Dichloropropene*	*ND*		*430*	*43*
79-01-6	*Trichloroethene*	*8800*		*430*	*120*
75-69-4	*Trichlorofluoromethane*	*ND*		*430*	*200*
75-01-4	*Vinyl chloride*	*ND*		*430*	*150*
1330-20-7	*Xylenes, Total*	*540*	*J*	*870*	*240*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		53-146
460-00-4	4-Bromofluorobenzene (Surr)	91		49-148
2037-26-5	Toluene-d8 (Surr)	100		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D
Lims ID: 480-92744-A-14-C Lab Sample ID: 480-92744-14
Client ID: B38-POLEBARN-S2
Sample Type: Client
Inject. Date: 22-Dec-2015 19:02:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-92744-A-14-C
Misc. Info.: 480-0049479-024
Operator ID: gtg Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 12:14:57 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 22-Dec-2015 19:20:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	98	120928	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	235958	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.788	-0.006	95	220535	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	90517	24.1	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	94	566292	27.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	165002	24.8	
10 Dichlorodifluoromethane	85		1.249				ND	
12 Chloromethane	50		1.401				ND	
13 Vinyl chloride	62		1.505				ND	
14 Bromomethane	94		1.815				ND	
15 Chloroethane	64		1.912				ND	
17 Trichlorofluoromethane	101		2.143				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	2.648	2.648	0.000	72	54993	11.4	
22 1,1-Dichloroethene	96		2.648				ND	
23 Acetone	43		2.734				ND	
26 Carbon disulfide	76		2.849				ND	
27 Methyl acetate	43		3.044				ND	
30 Methylene Chloride	84		3.141				ND	
32 Methyl tert-butyl ether	73		3.366				ND	
34 trans-1,2-Dichloroethene	96		3.378				ND	
39 1,1-Dichloroethane	63		3.786				ND	
45 cis-1,2-Dichloroethene	96		4.340				ND	
43 2-Butanone (MEK)	43		4.370				ND	
50 Chloroform	83		4.656				ND	
51 1,1,1-Trichloroethane	97		4.784				ND	
52 Cyclohexane	56		4.808				ND	
55 Carbon tetrachloride	117		4.930				ND	
57 Benzene	78		5.137				ND	
58 1,2-Dichloroethane	62		5.185				ND	
62 Trichloroethene	95	5.751	5.751	0.000	91	116059	20.2	
64 Methylcyclohexane	83		5.885				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.976				ND	
68 Dichlorobromomethane	83		6.262				ND	
72 cis-1,3-Dichloropropene	75		6.682				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828				ND	
74 Toluene	92	6.986	6.980	0.006	41	2756	0.2154	
77 trans-1,3-Dichloropropene	75		7.248				ND	
79 1,1,2-Trichloroethane	83		7.436				ND	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	379983	61.6	
80 2-Hexanone	43		7.667				ND	
83 Chlorodibromomethane	129		7.832				ND	
84 Ethylene Dibromide	107		7.941				ND	
87 Chlorobenzene	112		8.422				ND	
88 Ethylbenzene	91	8.525	8.525	0.000	15	8095	0.3492	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	9917	1.01	
91 o-Xylene	106	9.072	9.073	-0.001	1	2233	0.2329	
92 Styrene	104		9.097				ND	
95 Bromoform	173		9.334				ND	
94 Isopropylbenzene	105		9.456				ND	
97 1,1,2,2-Tetrachloroethane	83		9.833				ND	
111 1,3-Dichlorobenzene	146		10.721				ND	
113 1,4-Dichlorobenzene	146		10.806				ND	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	3	2796	0.2504	
117 1,2-Dibromo-3-Chloropropan	75		11.877				ND	
119 1,2,4-Trichlorobenzene	180		12.565				ND	
S 124 Xylenes, Total	1				0		1.24	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

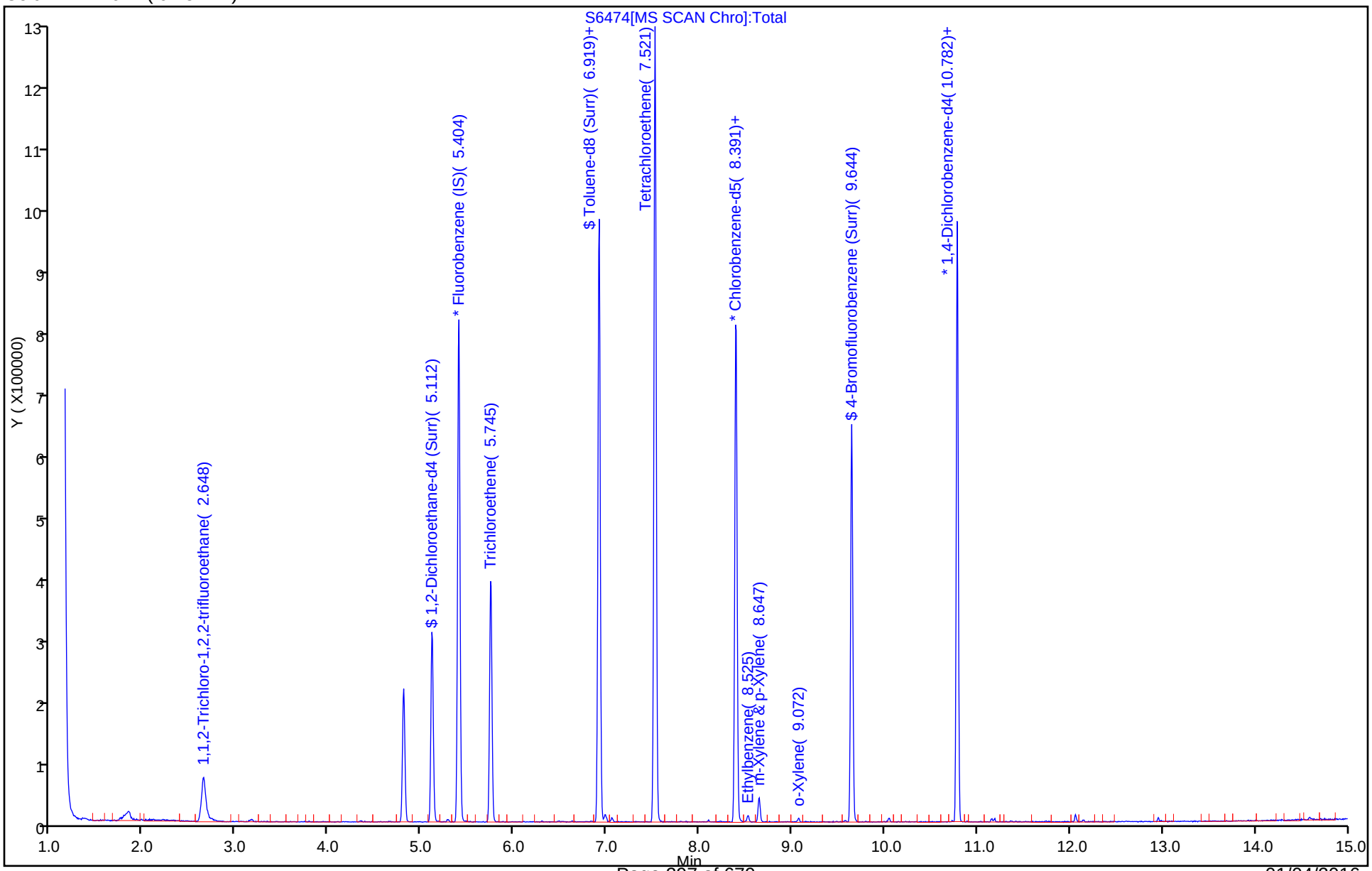
Report Date: 23-Dec-2015 12:18:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D

Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14	Worklist Smp#:	24
Client ID:	B38-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	24
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

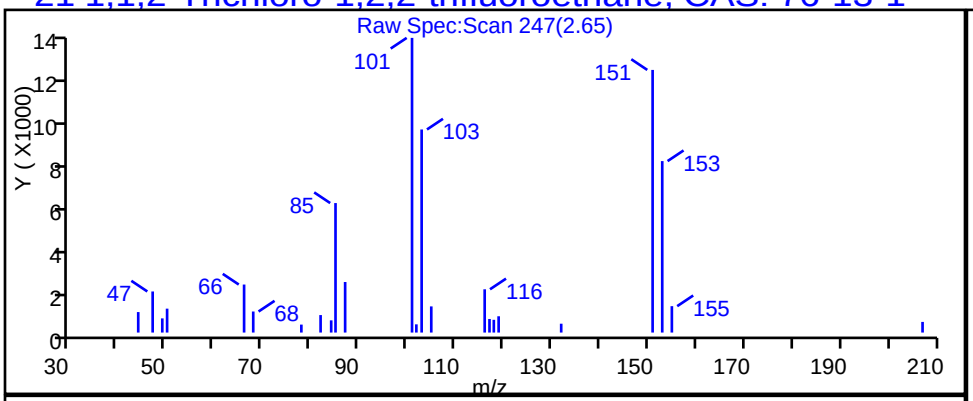


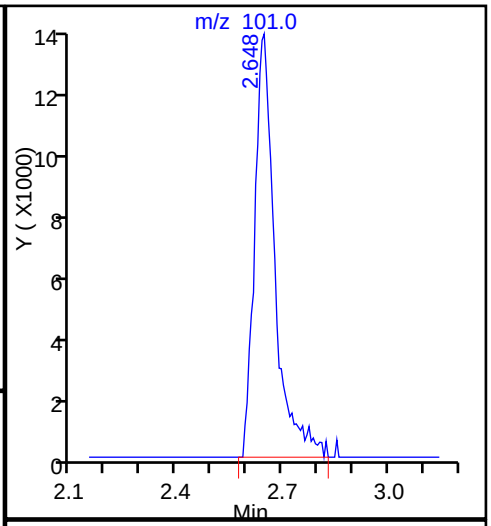
TestAmerica Buffalo

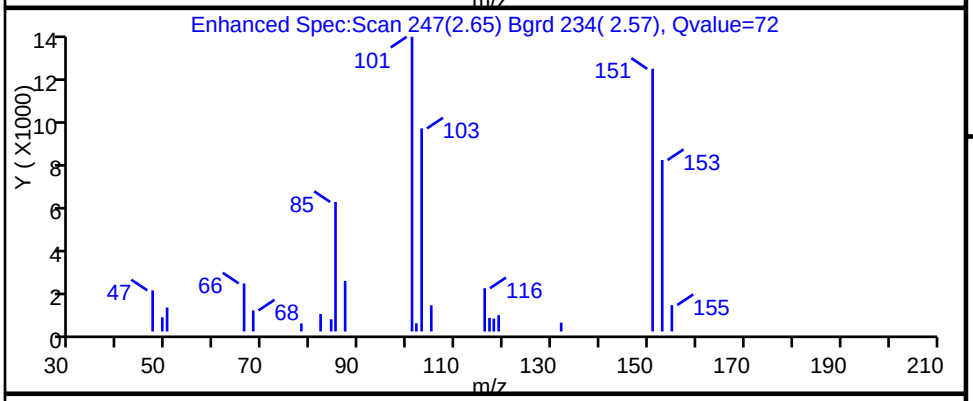
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D

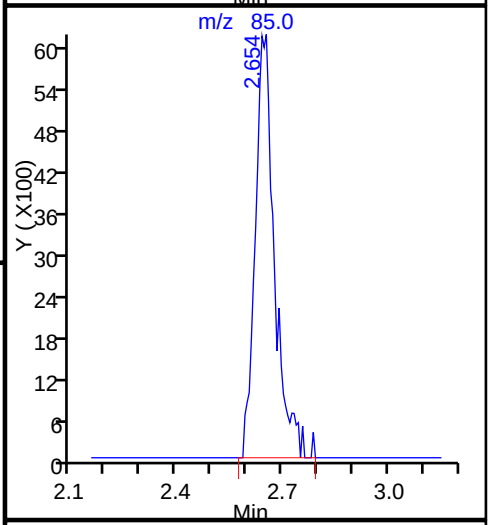
Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

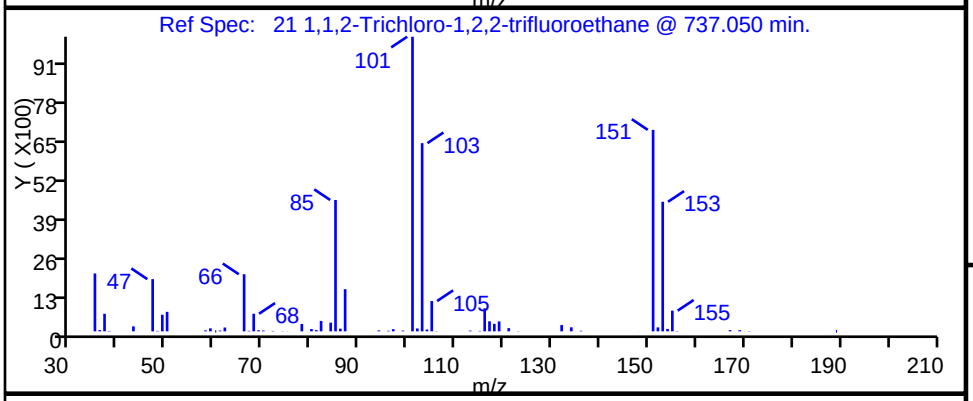
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

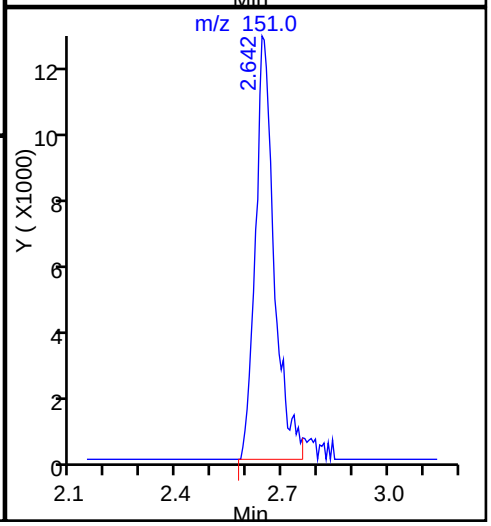


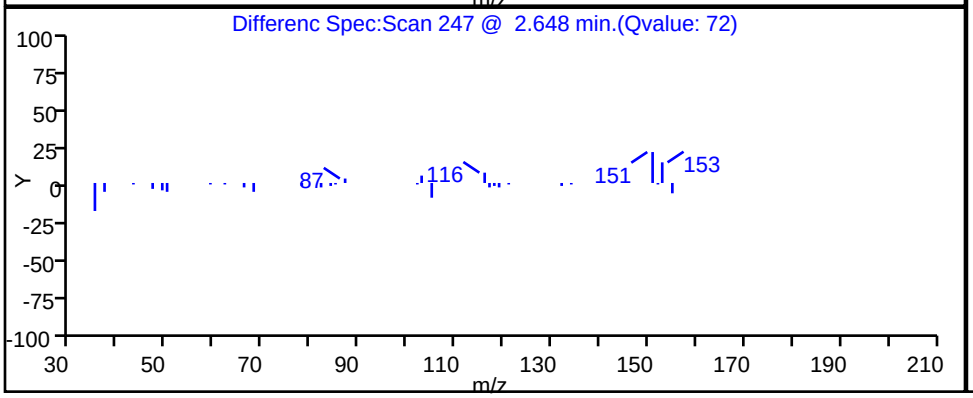










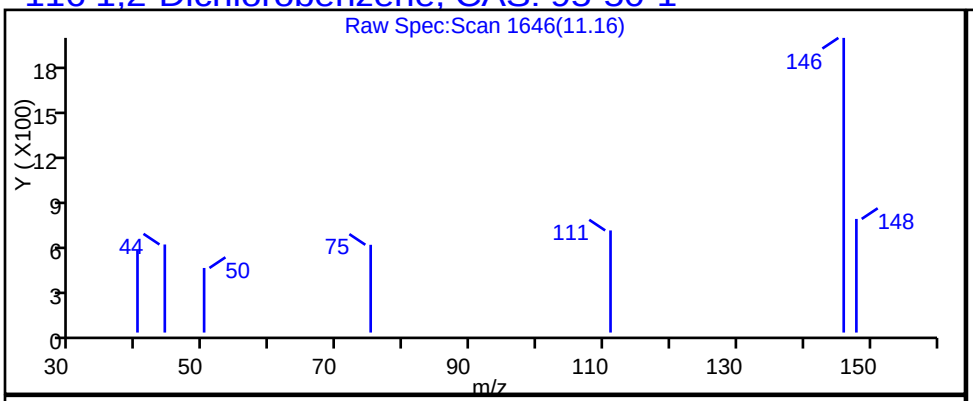


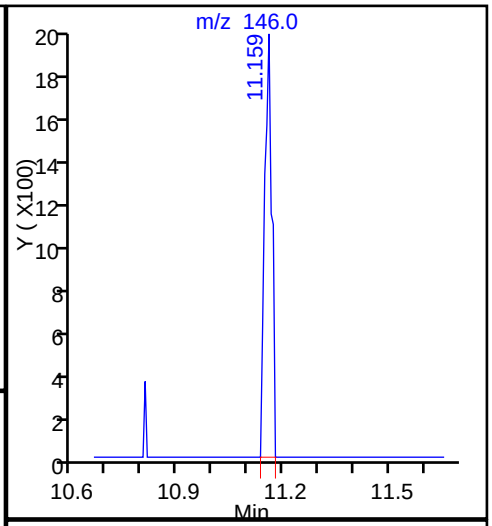
TestAmerica Buffalo

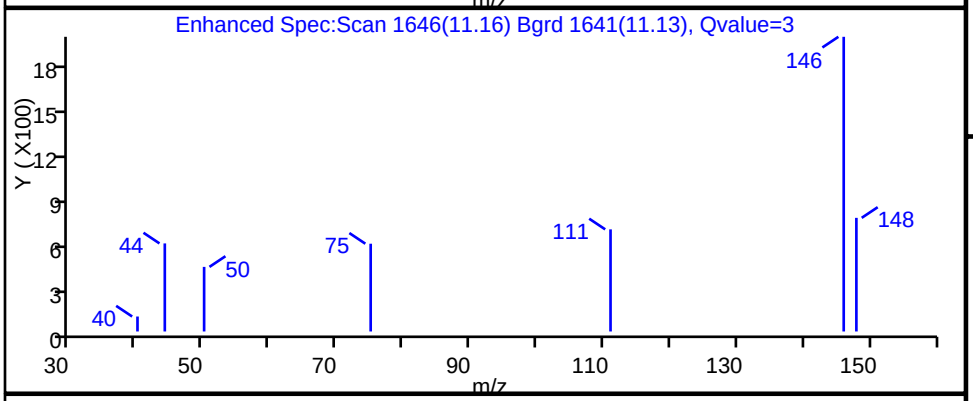
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D

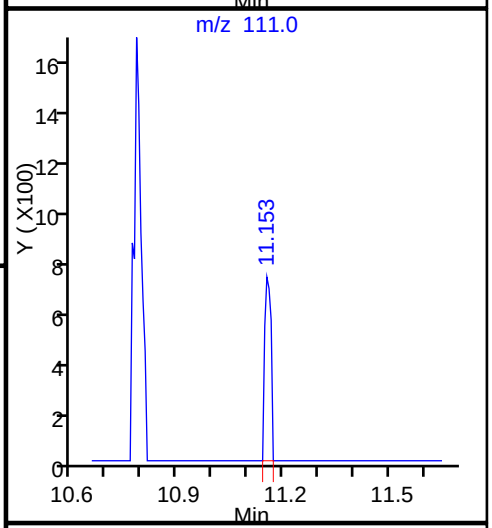
Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

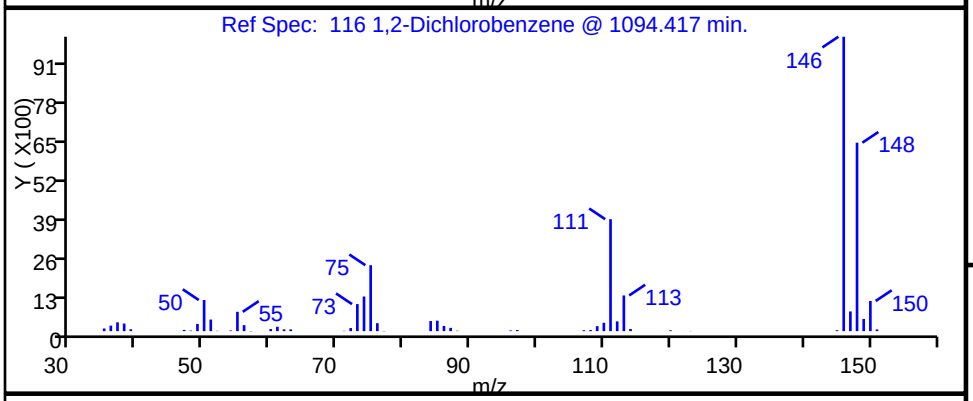
116 1,2-Dichlorobenzene, CAS: 95-50-1

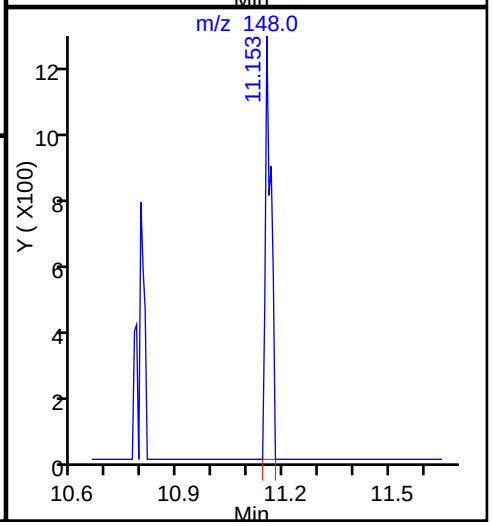


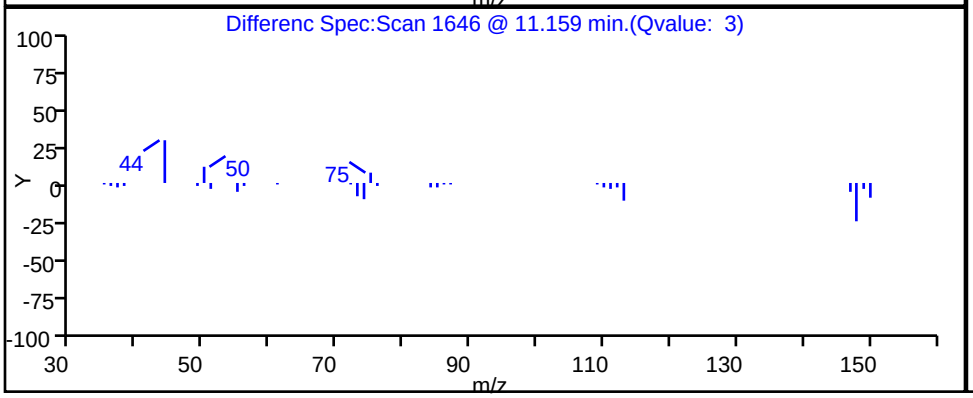










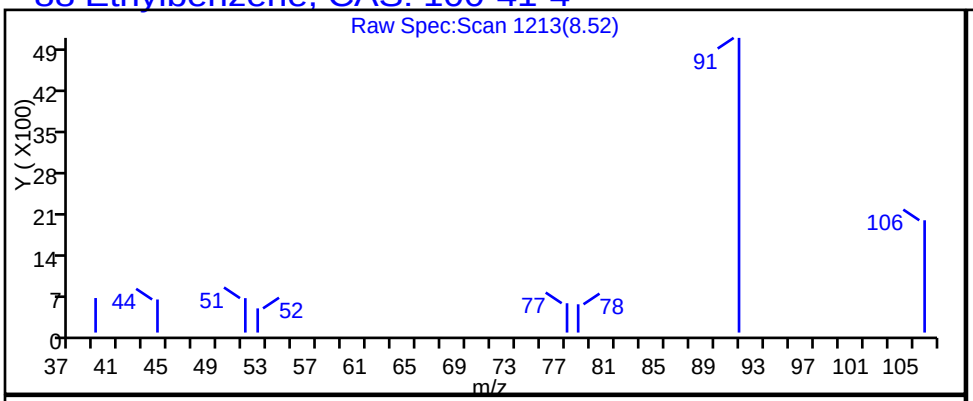


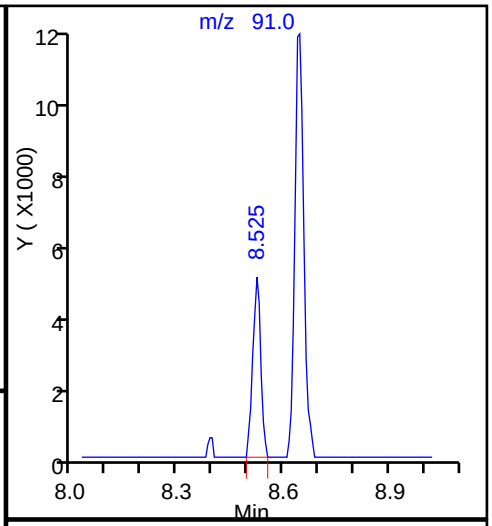
TestAmerica Buffalo

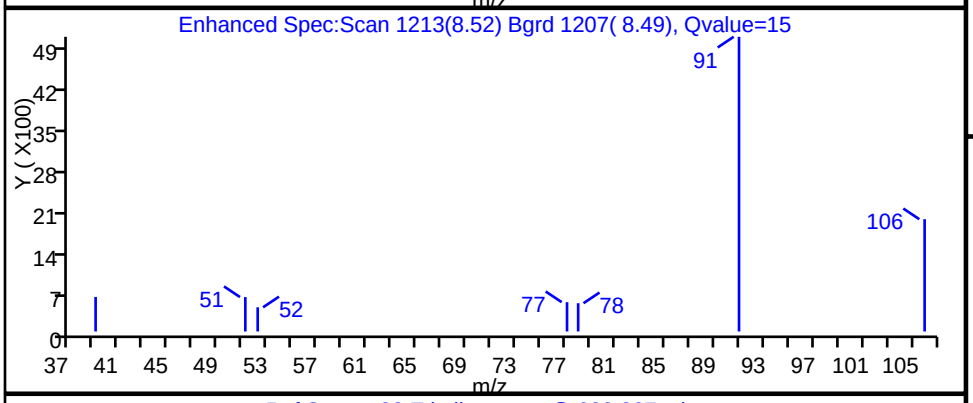
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D

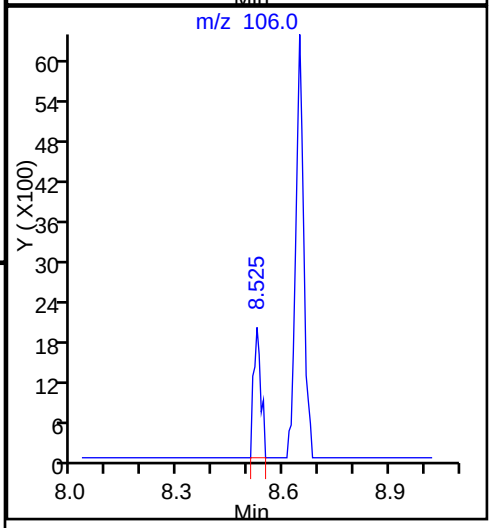
Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

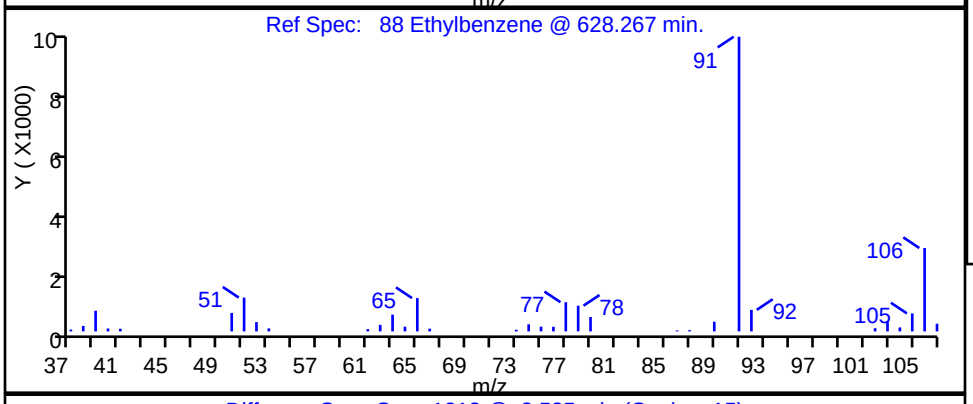
88 Ethylbenzene, CAS: 100-41-4

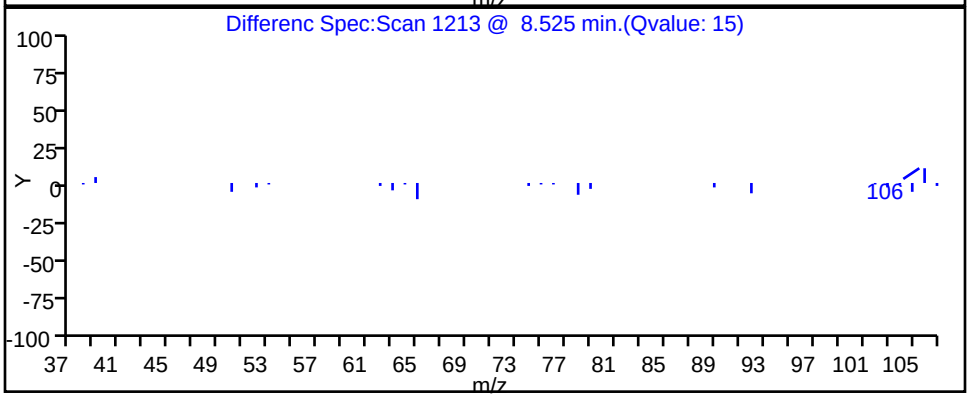












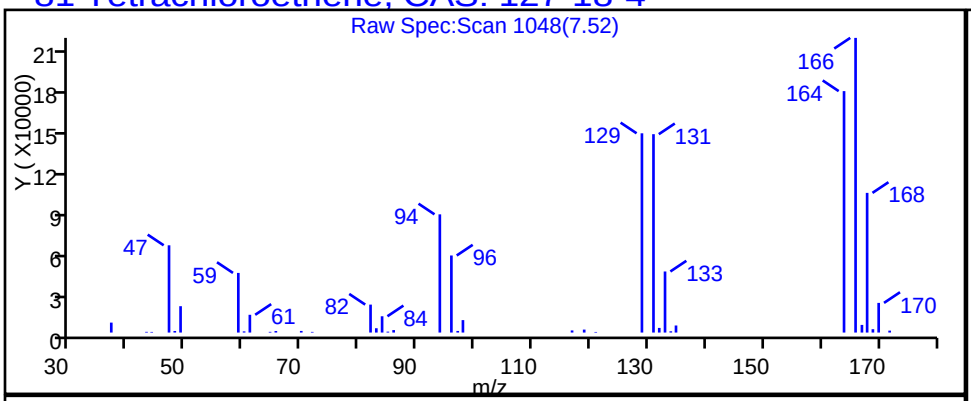
Report Date: 23-Dec-2015 12:18:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

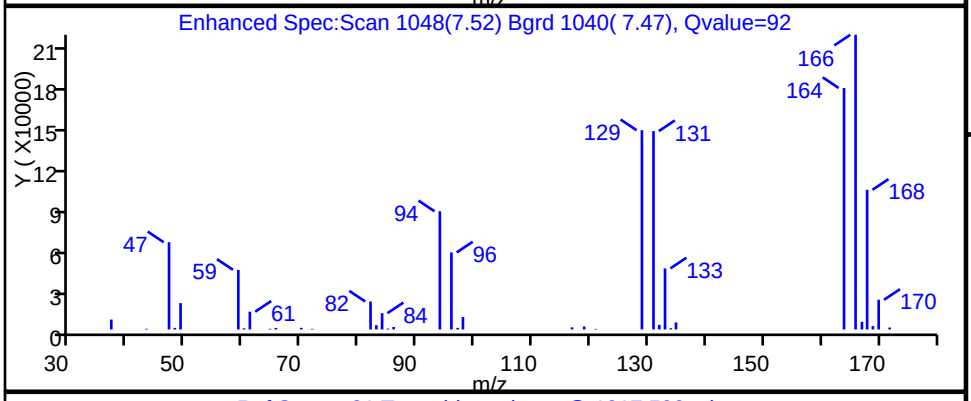
TestAmerica Buffalo

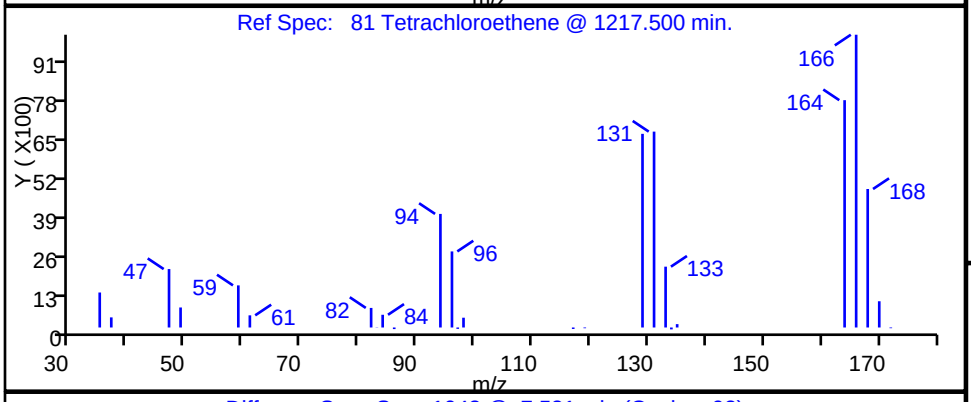
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D

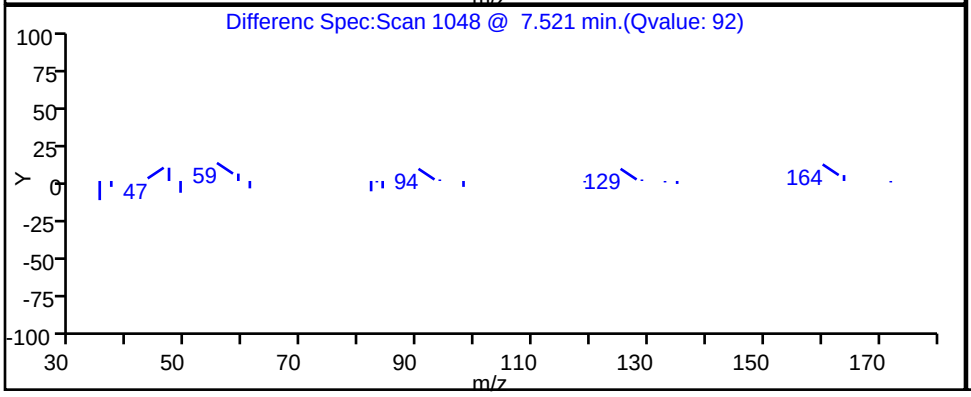
Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

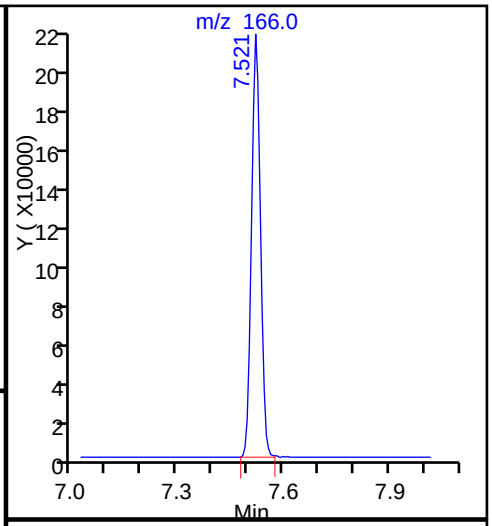
81 Tetrachloroethene, CAS: 127-18-4

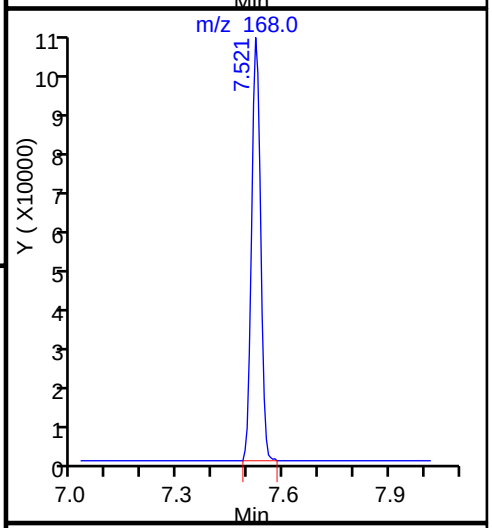


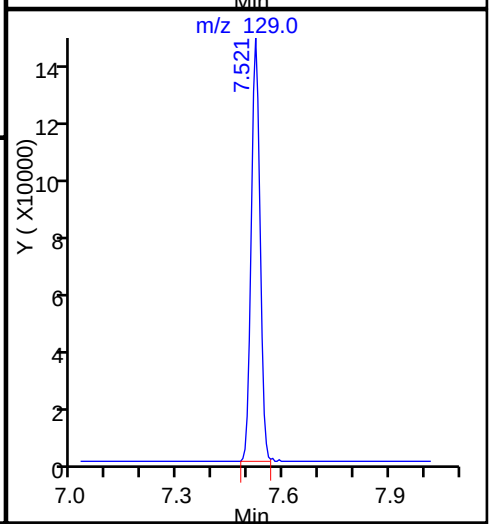








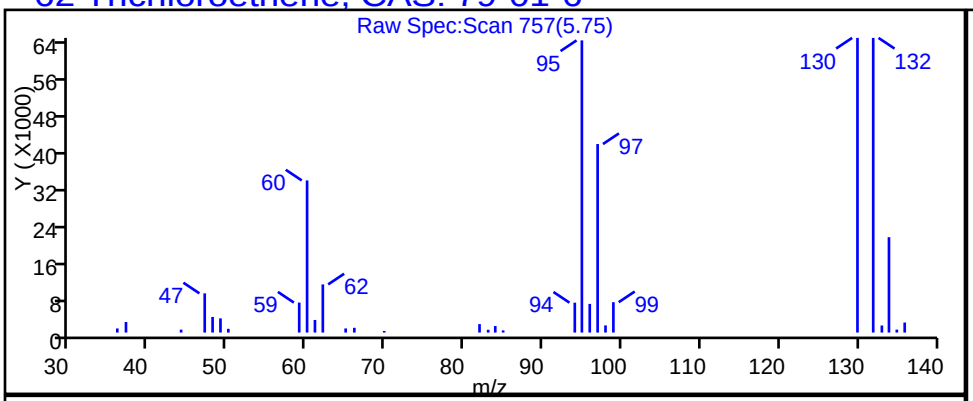


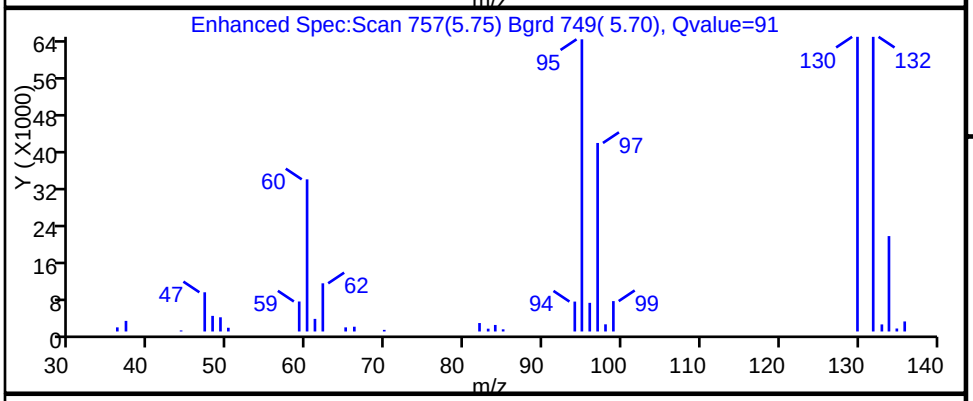


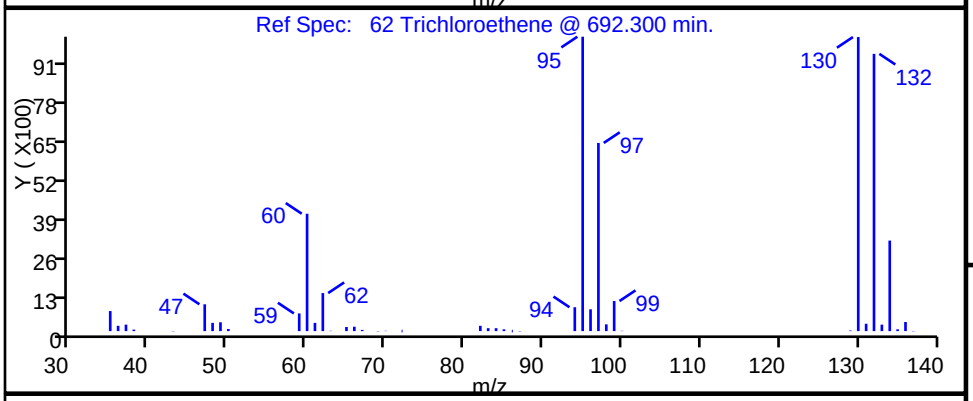
TestAmerica Buffalo

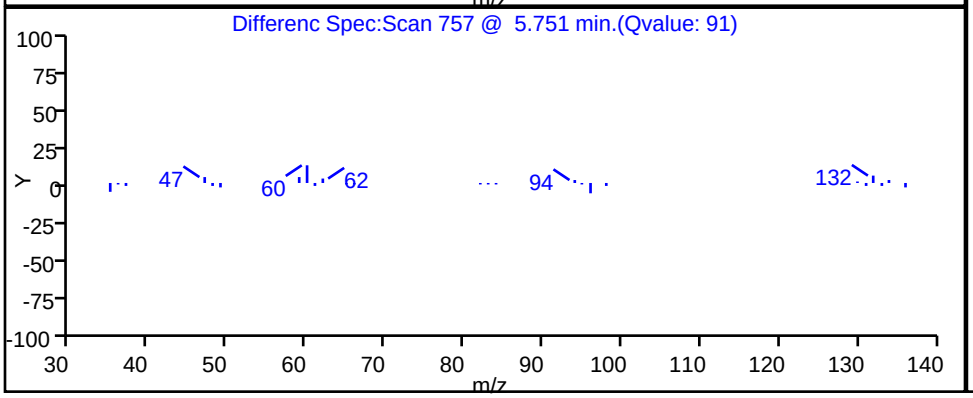
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D		
Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

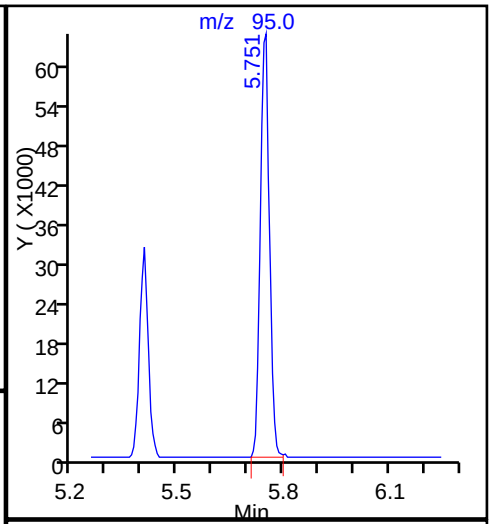
62 Trichloroethene, CAS: 79-01-6

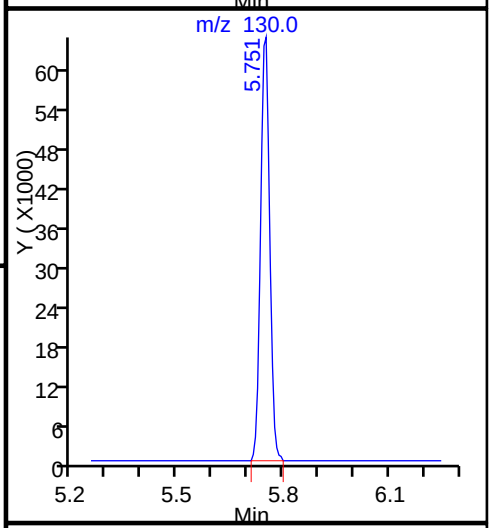


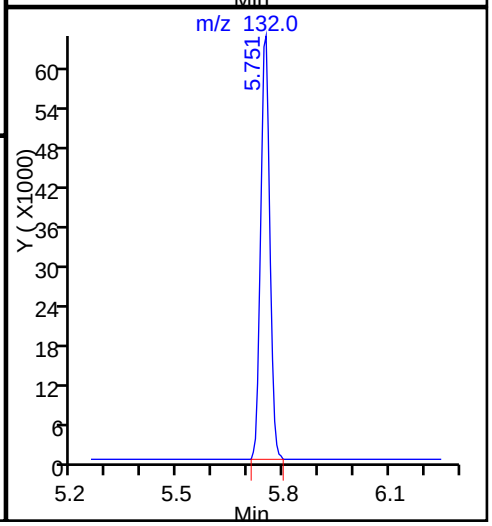












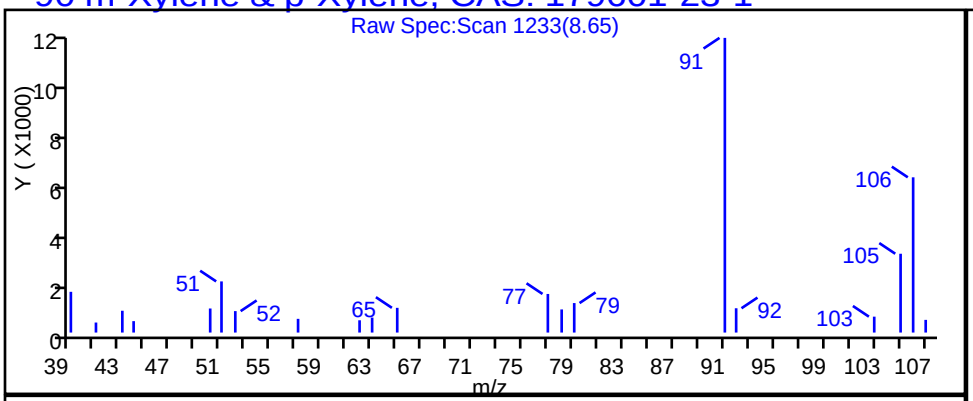
Report Date: 23-Dec-2015 12:18:47 Chrom Revision: 2.2 02-Dec-2015 11:51:48

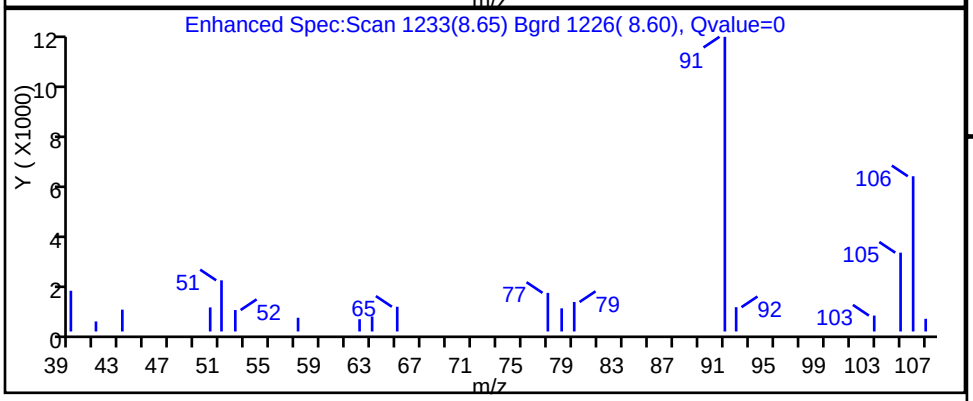
TestAmerica Buffalo

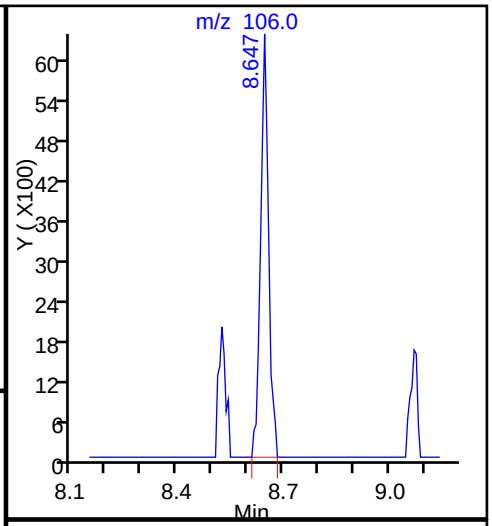
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D

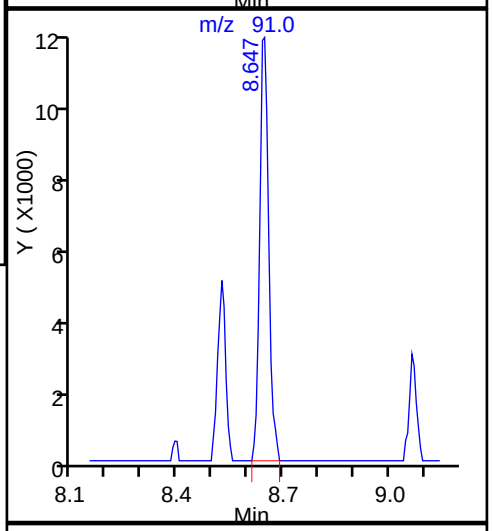
Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S		
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14		
Client ID:	B38-POLEBARN-S2				
Operator ID:	gtg	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

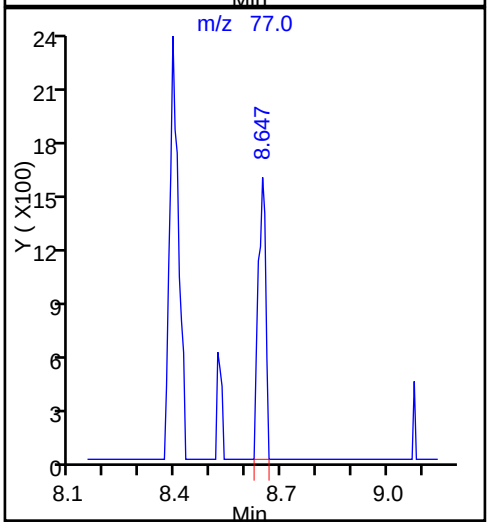
90 m-Xylene & p-Xylene, CAS: 179601-23-1









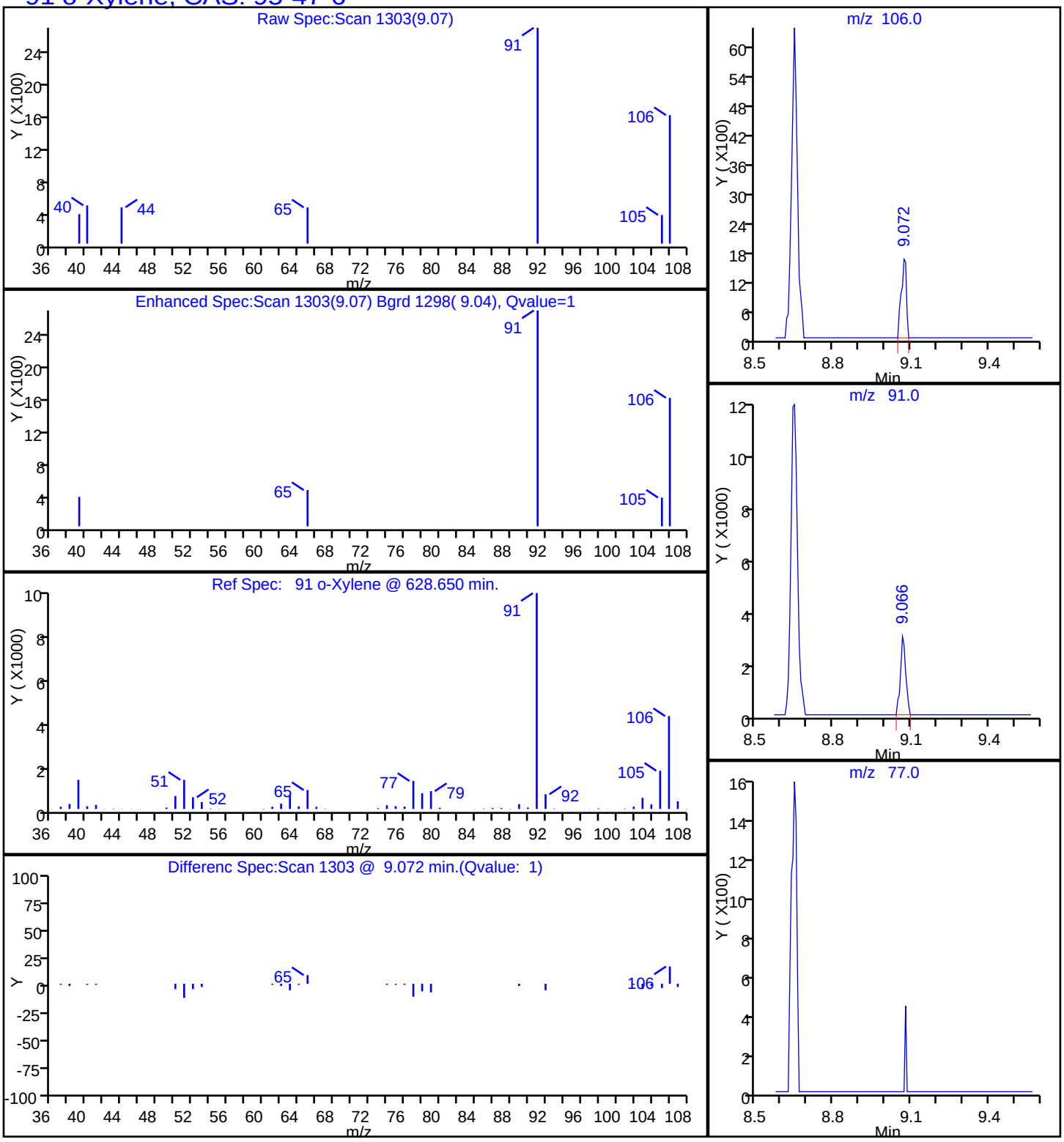


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6474.D

Injection Date:	22-Dec-2015 19:02:30	Instrument ID:	HP5973S
Lims ID:	480-92744-A-14-C	Lab Sample ID:	480-92744-14
Client ID:	B38-POLEBARN-S2		
Operator ID:	gtg	ALS Bottle#:	24 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

91 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S3 | Lab Sample ID: 480-92744-15

Matrix: Solid | Lab File ID: P2466.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:10

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 21:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.4	0.70
75-34-3	1,1-Dichloroethane	0.81	J	5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND	*	5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND	*	5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	3.0	J	5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND	*	5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	ND	*	5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B38-POLEBARN-S3 | Lab Sample ID: 480-92744-15

Matrix: Solid | Lab File ID: P2466.D

Analysis Method: 8260C | Date Collected: 12/14/2015 15:10

Sample wt/vol: 5.02(g) | Date Analyzed: 12/17/2015 21:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.3 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	2.7	J	5.4	2.5
100-42-5	Styrene	ND	*	5.4	0.27
127-18-4	Tetrachloroethene	15	*	5.4	0.72
108-88-3	Toluene	ND	*	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.4	2.4
79-01-6	Trichloroethene	14		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		64-126
460-00-4	4-Bromofluorobenzene (Surr)	27	X *	72-126
2037-26-5	Toluene-d8 (Surr)	109	*	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D
Lims ID: 480-92744-A-15-A Lab Sample ID: 480-92744-15
Client ID: B38-POLEBARN-S3
Sample Type: Client
Inject. Date: 17-Dec-2015 21:03:30 ALS Bottle#: 17 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-15-A
Misc. Info.: 480-0049333-024
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:47:50 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:49:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.894	0.006	97	213770	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	90	185905	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	96	82023	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	195051	59.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.877	0.007	94	442657	54.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	89	38794	13.7	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.311	-0.006	94	67734	9.51	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.396	6.396	0.000	46	4184	1.71	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.779				ND	
31 Methylene Chloride	84	6.986	6.986	0.000	95	30454	2.52	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	92	10030	0.7499	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.525	0.001	85	18227	2.79	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.351	10.351	0.000	93	81977	12.8	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.516				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	94	35576	14.0	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.004				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

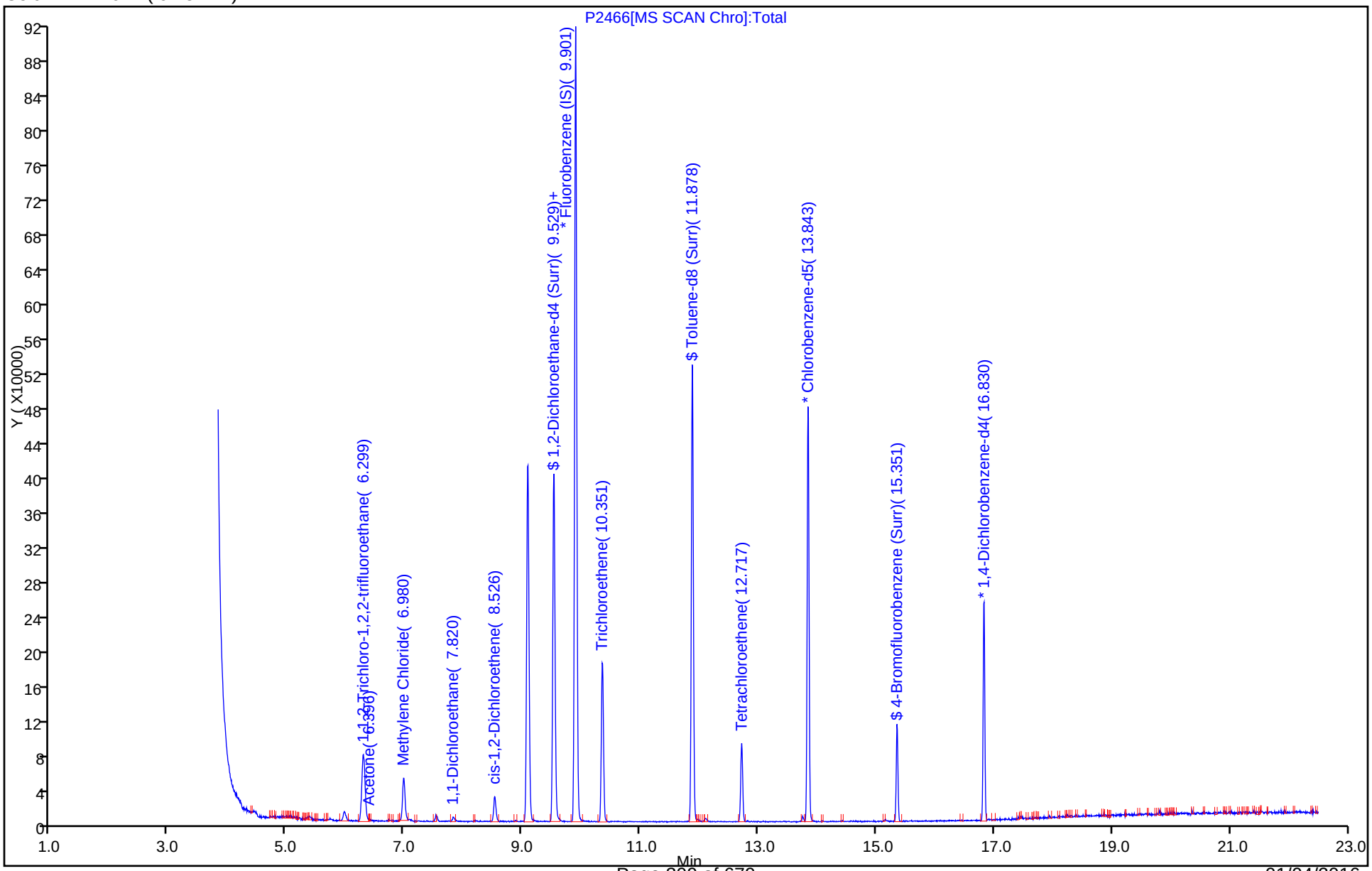
Report Date: 18-Dec-2015 01:49:07 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D

Injection Date:	17-Dec-2015 21:03:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-15-A	Lab Sample ID:	480-92744-15	Worklist Smp#:	24
Client ID:	B38-POLEBARN-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



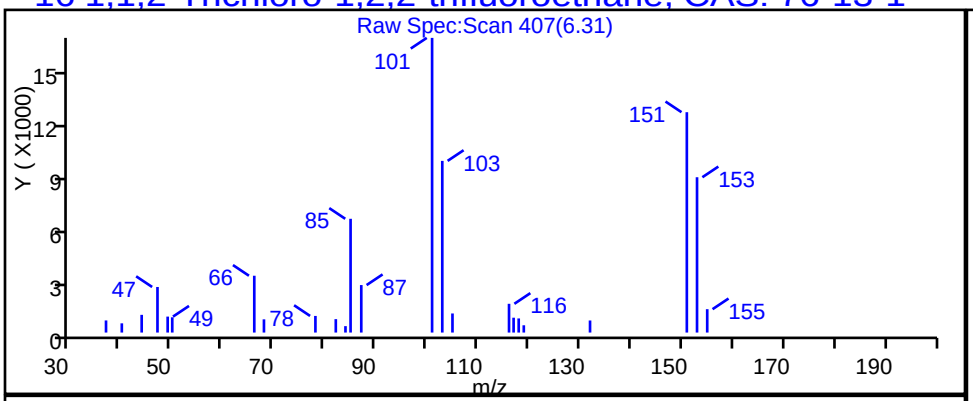
Report Date: 18-Dec-2015 01:49:07 Chrom Revision: 2.2 02-Dec-2015 11:51:48

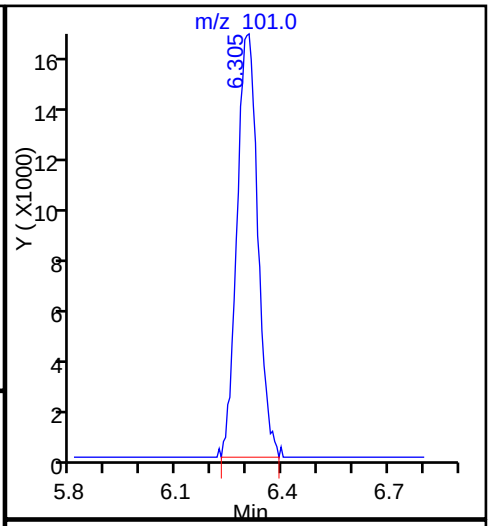
TestAmerica Buffalo

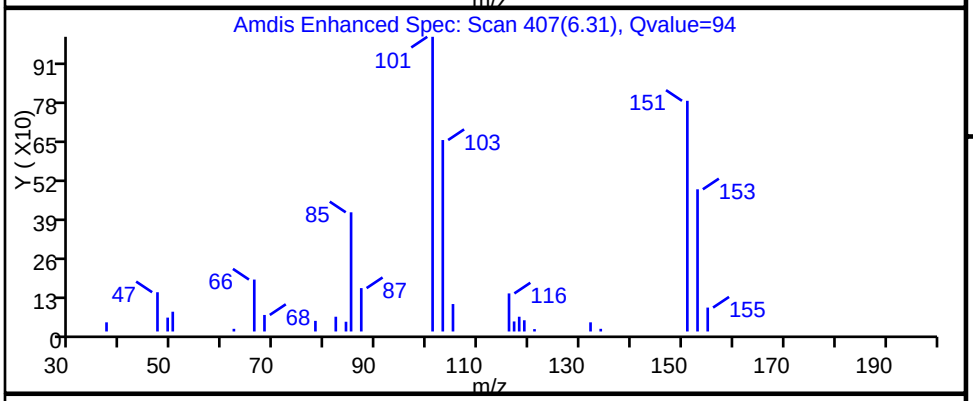
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D

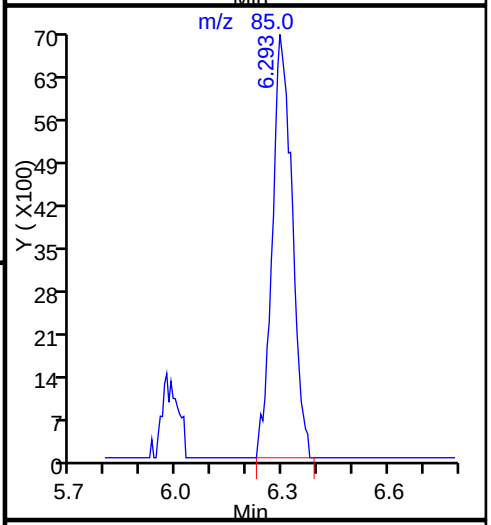
Injection Date:	17-Dec-2015 21:03:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-15-A	Lab Sample ID:	480-92744-15		
Client ID:	B38-POLEBARN-S3				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

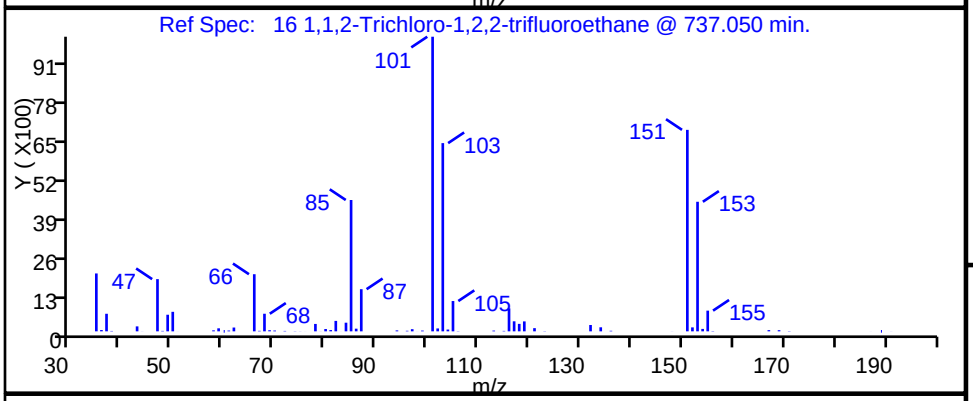
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

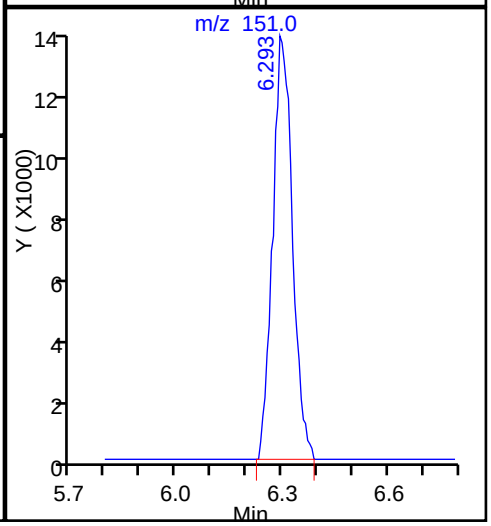


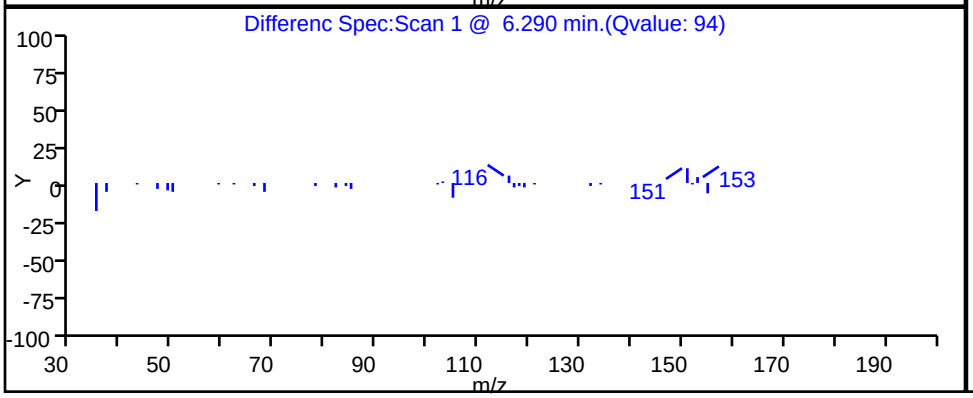










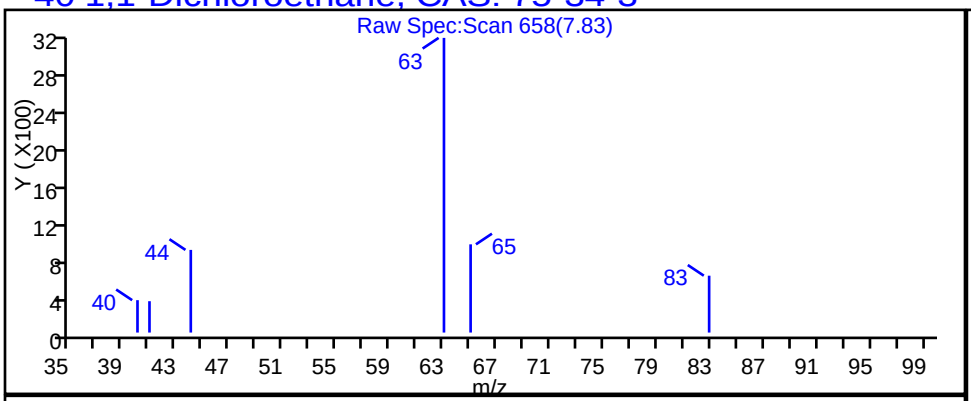


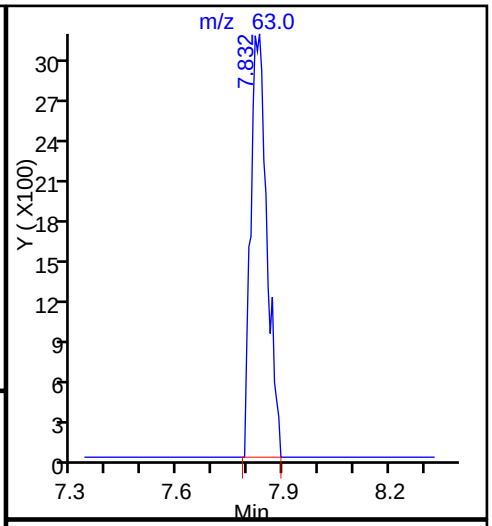
TestAmerica Buffalo

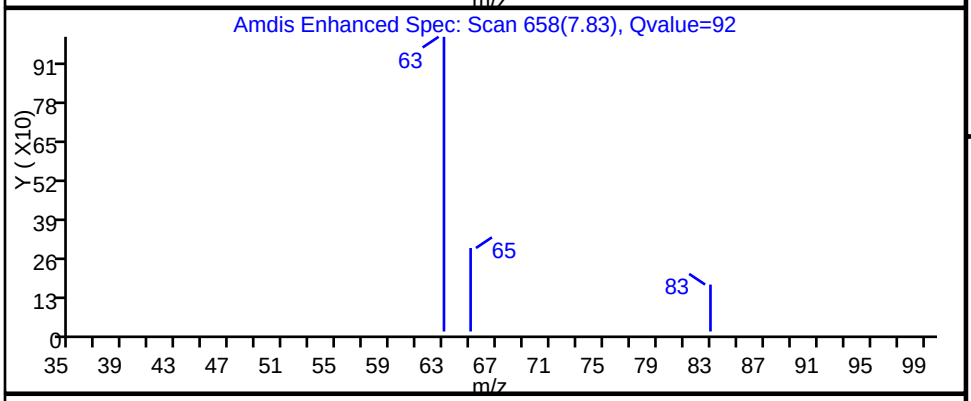
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D

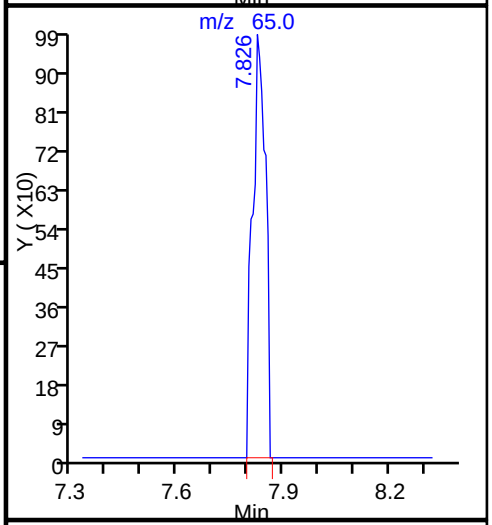
Injection Date:	17-Dec-2015 21:03:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-15-A	Lab Sample ID:	480-92744-15
Client ID:	B38-POLEBARN-S3		
Operator ID:	CDC	ALS Bottle#:	17 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

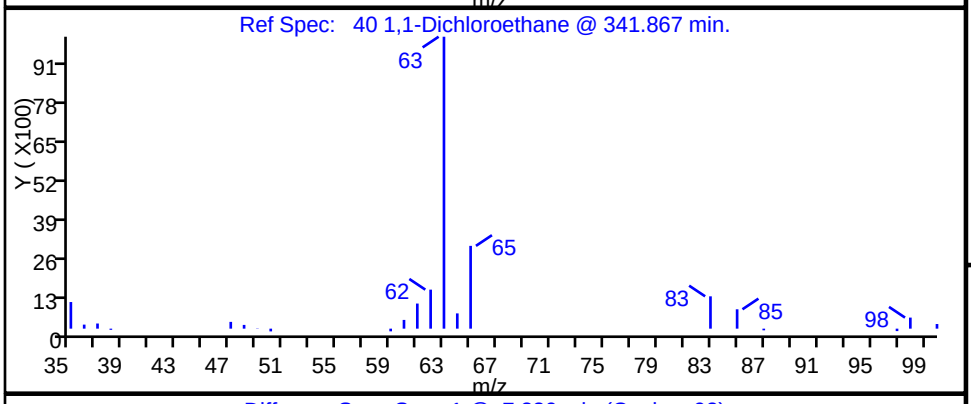
40 1,1-Dichloroethane, CAS: 75-34-3

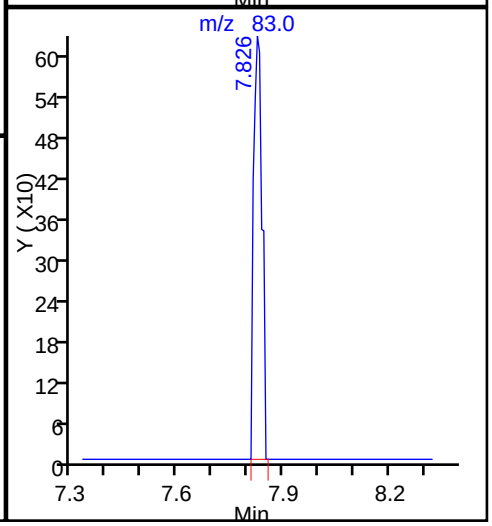


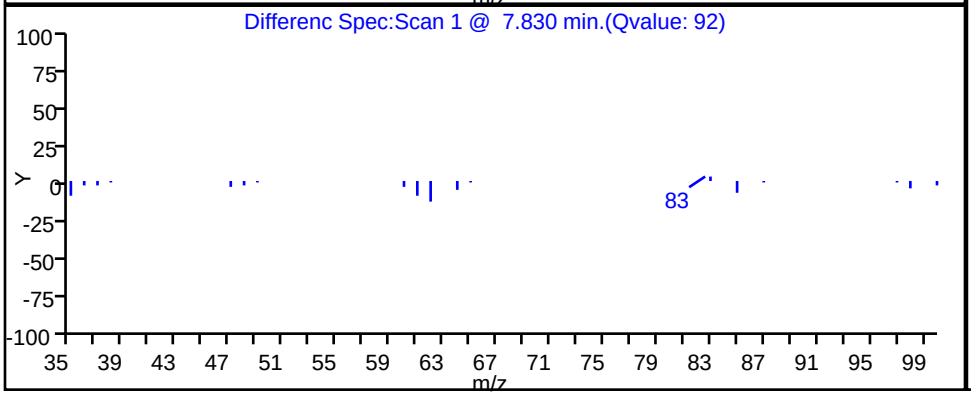








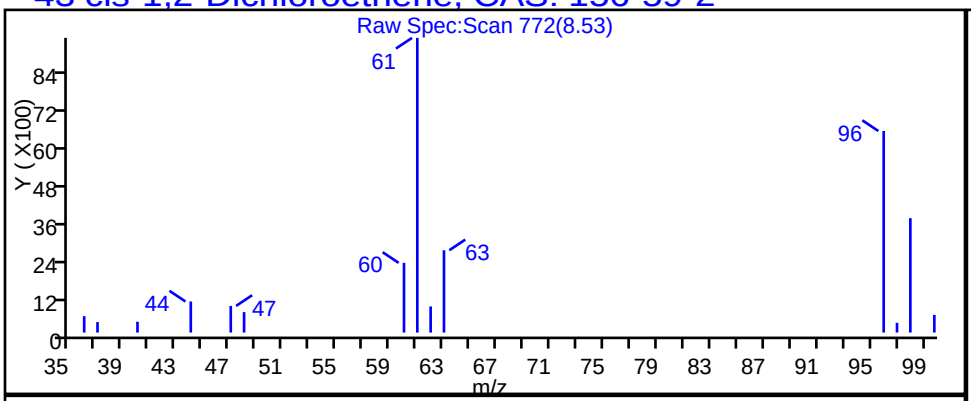


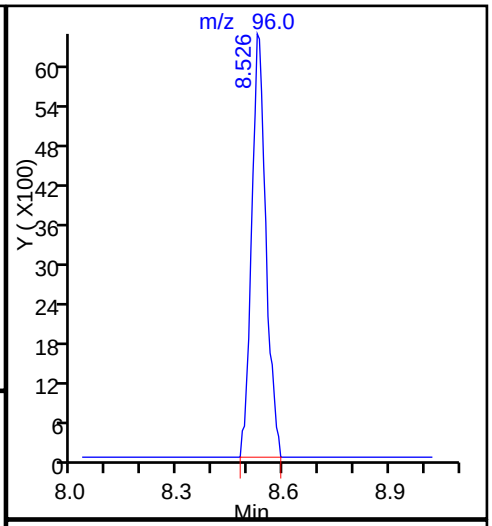


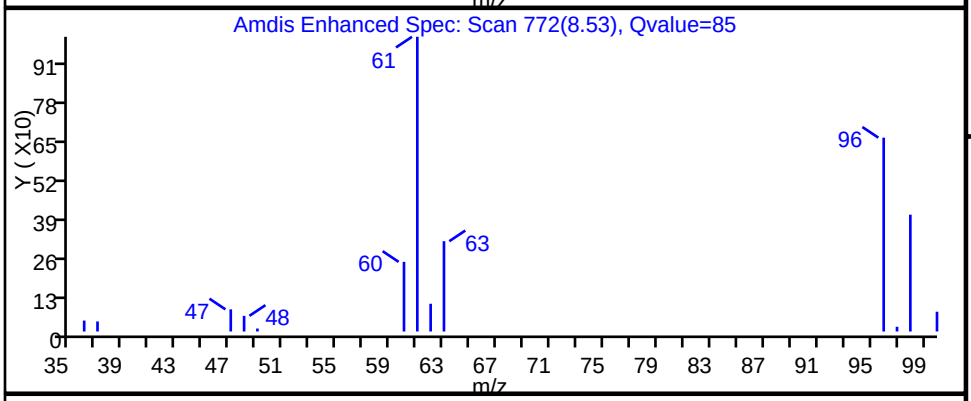
TestAmerica Buffalo

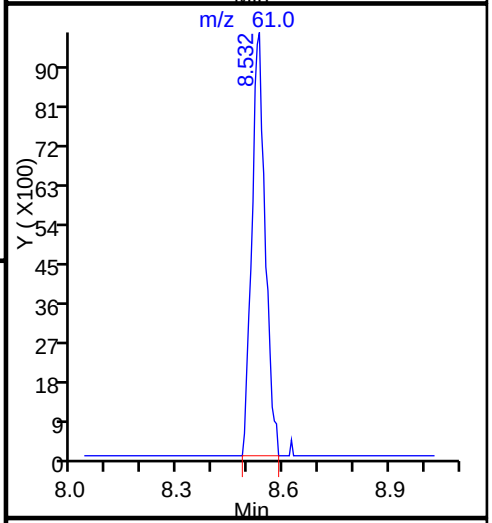
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D				
Injection Date:	17-Dec-2015 21:03:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-15-A	Lab Sample ID:	480-92744-15		
Client ID:	B38-POLEBARN-S3				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

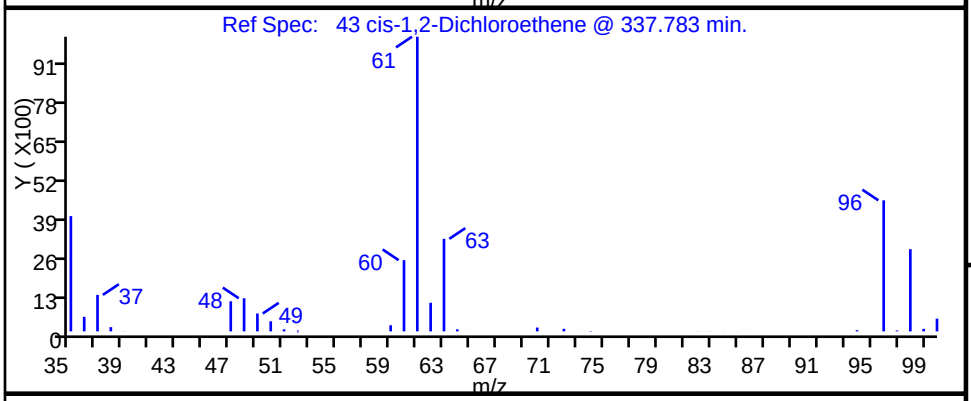
43 cis-1,2-Dichloroethene, CAS: 156-59-2

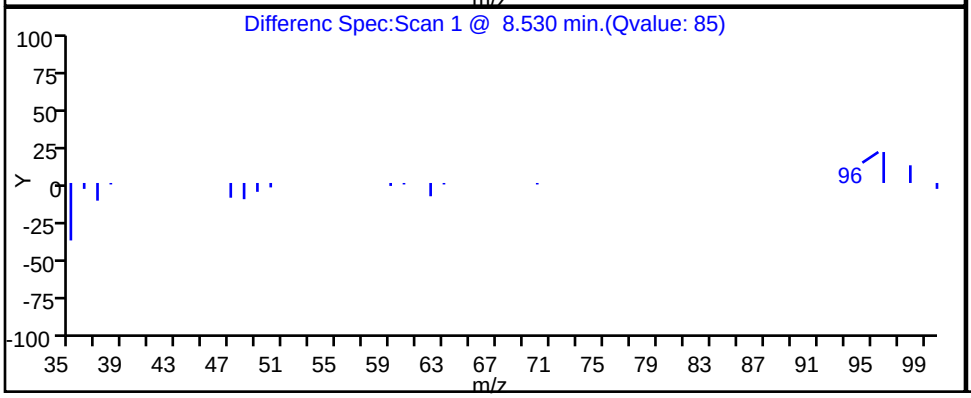


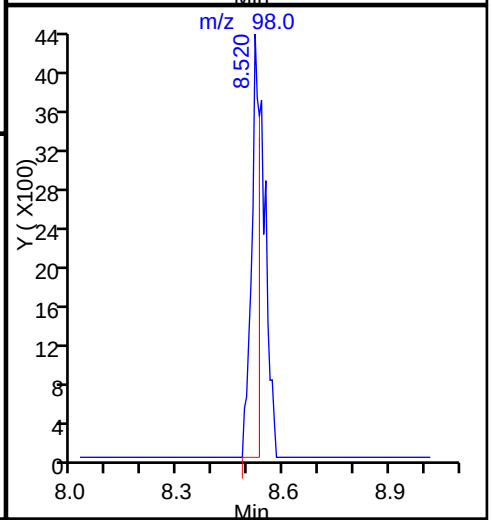








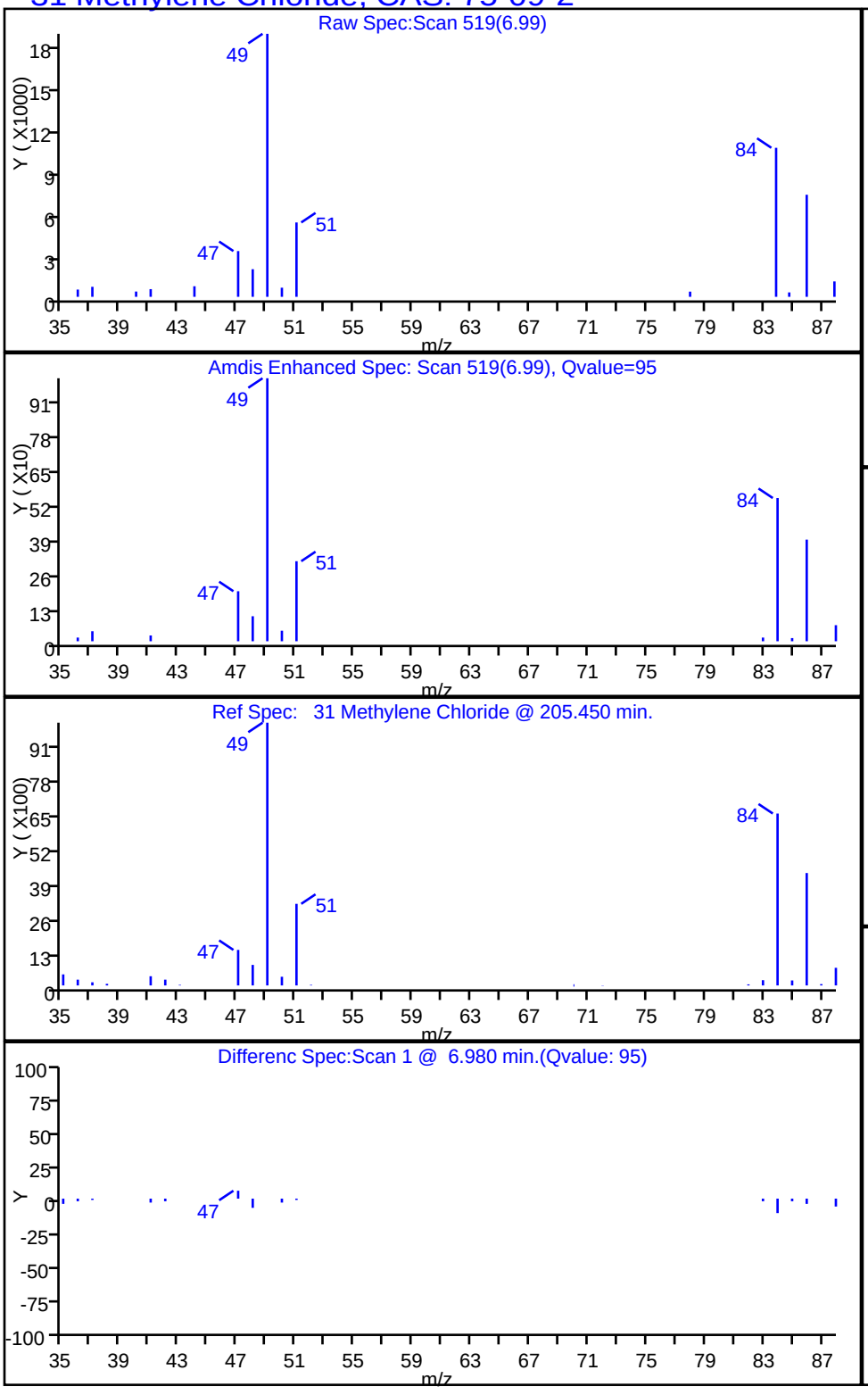


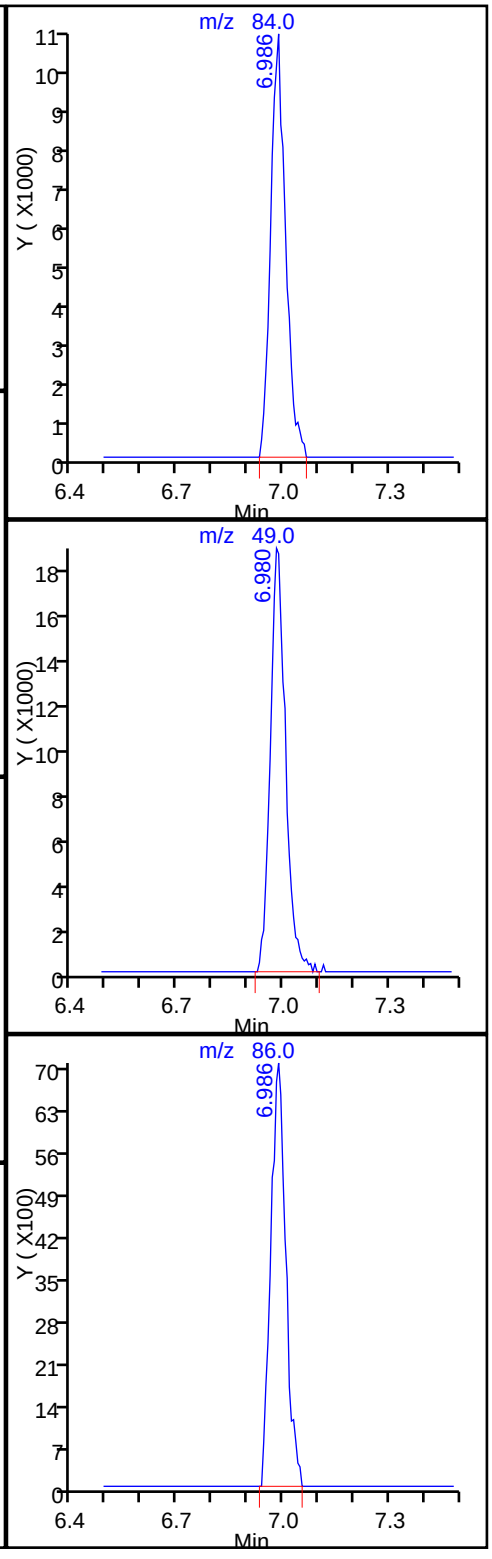


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D		
Injection Date:	17-Dec-2015 21:03:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-15-A	Lab Sample ID:	480-92744-15
Client ID:	B38-POLEBARN-S3		
Operator ID:	CDC	ALS Bottle#:	17 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

31 Methylene Chloride, CAS: 75-09-2

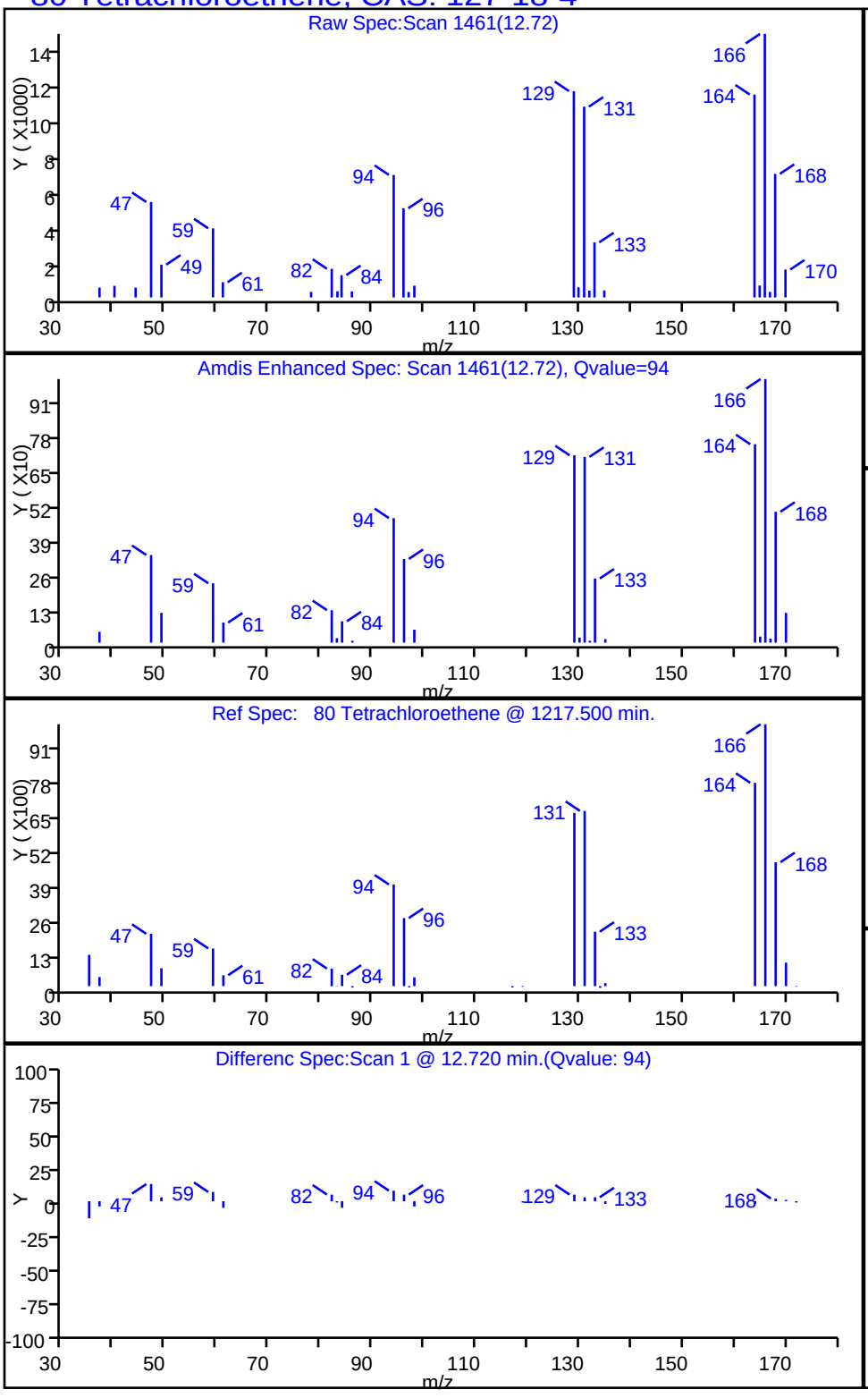


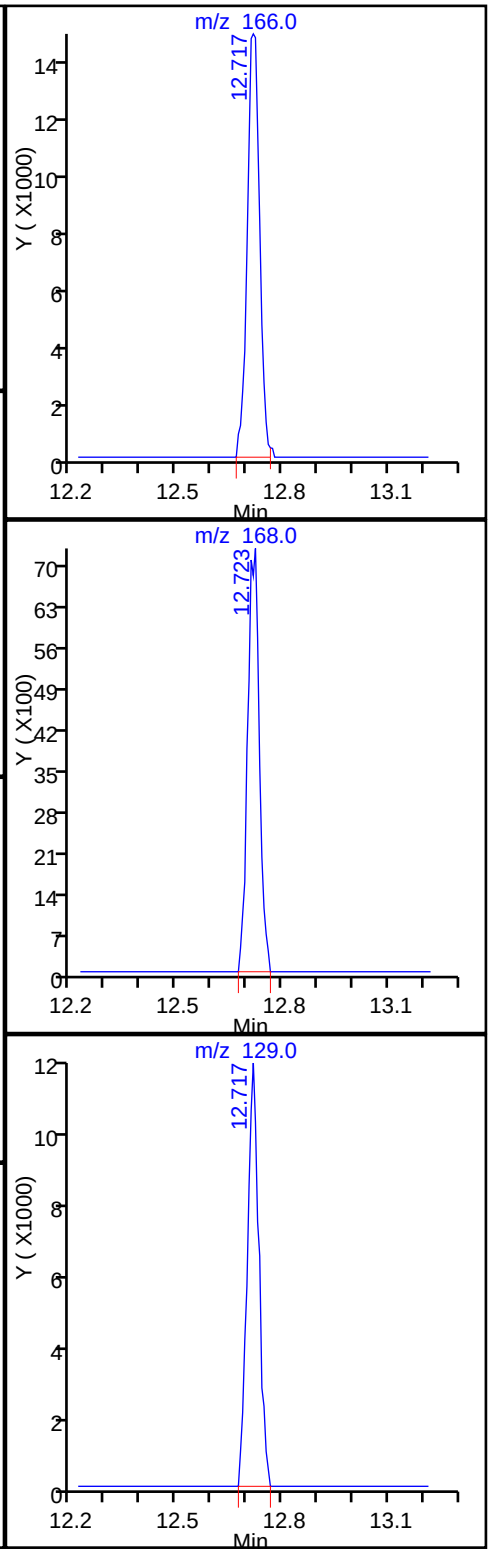


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D		
Injection Date:	17-Dec-2015 21:03:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-15-A	Lab Sample ID:	480-92744-15
Client ID:	B38-POLEBARN-S3		
Operator ID:	CDC	ALS Bottle#:	17 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

80 Tetrachloroethene, CAS: 127-18-4

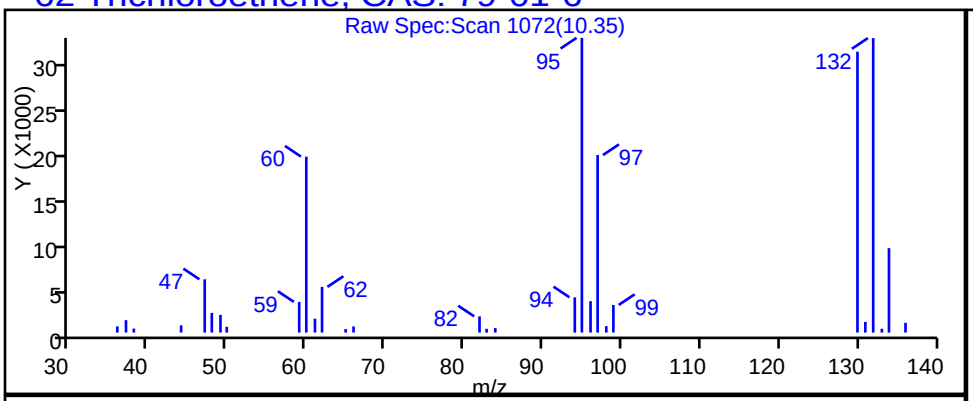


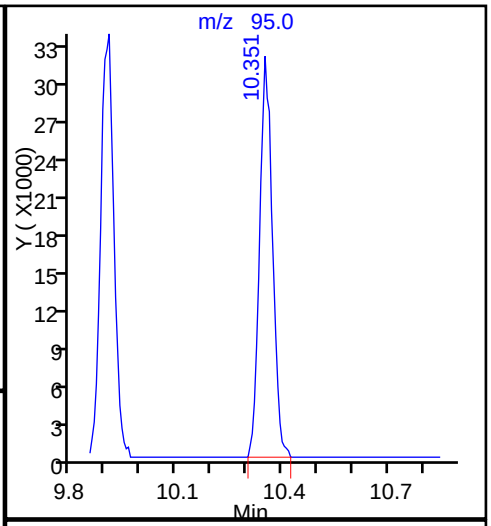


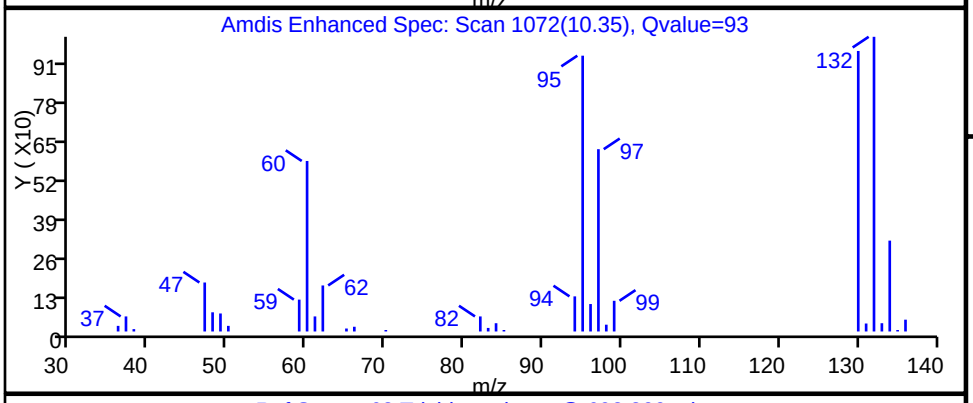
TestAmerica Buffalo

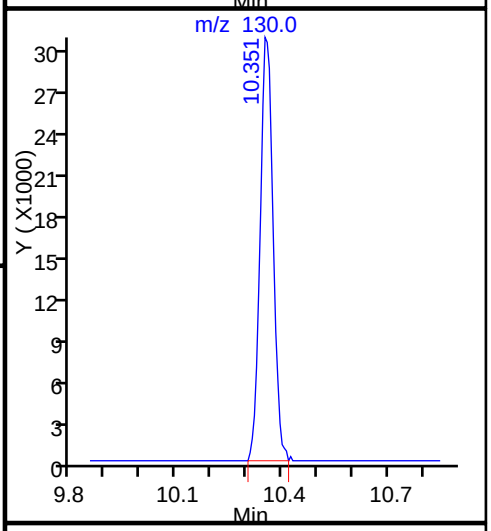
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2466.D		
Injection Date:	17-Dec-2015 21:03:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-15-A	Lab Sample ID:	480-92744-15
Client ID:	B38-POLEBARN-S3		
Operator ID:	CDC	ALS Bottle#:	17 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

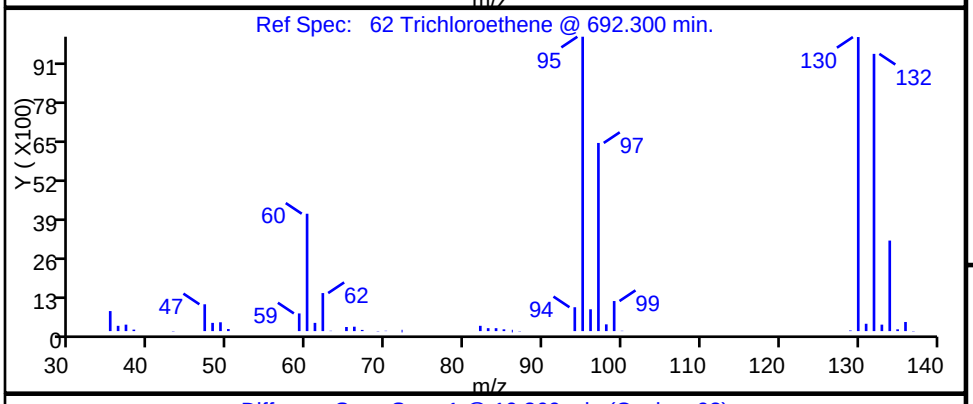
62 Trichloroethene, CAS: 79-01-6

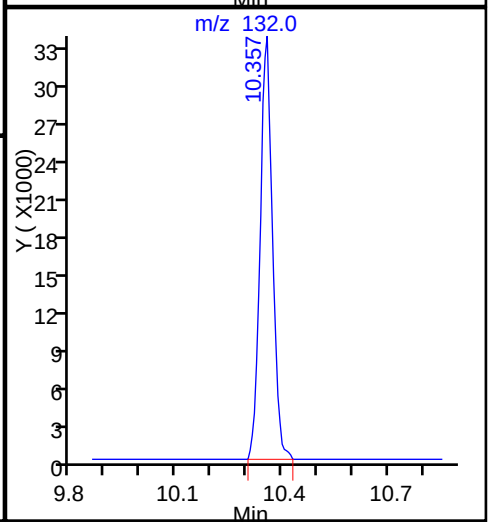


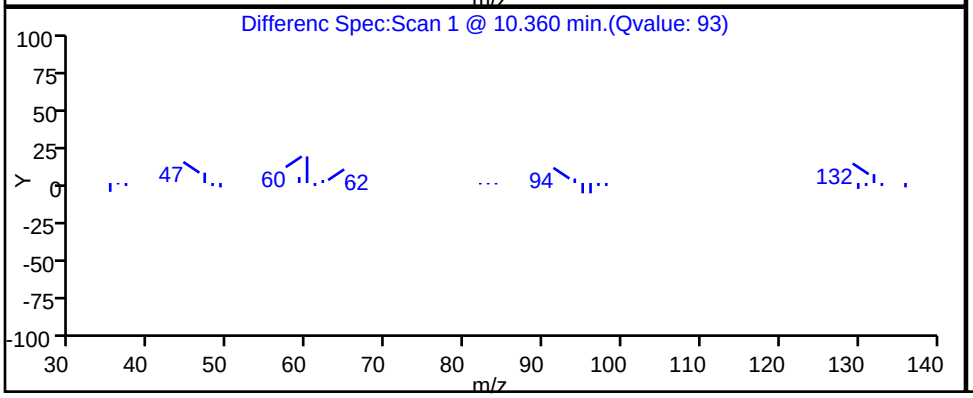












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B-POLEBARN-DUP4 | Lab Sample ID: 480-92744-16

Matrix: Solid | Lab File ID: P2467.D

Analysis Method: 8260C | Date Collected: 12/14/2015 16:00

Sample wt/vol: 5.2(g) | Date Analyzed: 12/17/2015 21:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 23.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.3	0.45
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.3	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	J	6.3	1.4
79-00-5	1,1,2-Trichloroethane	ND		6.3	0.81
75-34-3	1,1-Dichloroethane	0.80	J	6.3	0.76
75-35-4	1,1-Dichloroethene	ND		6.3	0.77
120-82-1	1,2,4-Trichlorobenzene	ND		6.3	0.38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.3	3.1
106-93-4	1,2-Dibromoethane	ND		6.3	0.80
95-50-1	1,2-Dichlorobenzene	ND		6.3	0.49
107-06-2	1,2-Dichloroethane	ND		6.3	0.31
78-87-5	1,2-Dichloropropane	ND		6.3	3.1
541-73-1	1,3-Dichlorobenzene	ND		6.3	0.32
106-46-7	1,4-Dichlorobenzene	ND		6.3	0.88
78-93-3	2-Butanone (MEK)	ND		31	2.3
591-78-6	2-Hexanone	ND		31	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		31	2.1
67-64-1	Acetone	40	B	31	5.3
71-43-2	Benzene	ND		6.3	0.31
75-27-4	Bromodichloromethane	ND		6.3	0.84
75-25-2	Bromoform	ND		6.3	3.1
74-83-9	Bromomethane	ND		6.3	0.56
75-15-0	Carbon disulfide	ND		6.3	3.1
56-23-5	Carbon tetrachloride	ND		6.3	0.61
108-90-7	Chlorobenzene	ND		6.3	0.83
75-00-3	Chloroethane	ND		6.3	1.4
67-66-3	Chloroform	ND		6.3	0.39
74-87-3	Chloromethane	ND		6.3	0.38
156-59-2	cis-1,2-Dichloroethene	2.0	J	6.3	0.80
10061-01-5	cis-1,3-Dichloropropene	ND		6.3	0.90
110-82-7	Cyclohexane	ND		6.3	0.88
124-48-1	Dibromochloromethane	ND		6.3	0.80
75-71-8	Dichlorodifluoromethane	ND		6.3	0.52
100-41-4	Ethylbenzene	ND		6.3	0.43
98-82-8	Isopropylbenzene	ND		6.3	0.94

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B-POLEBARN-DUP4 | Lab Sample ID: 480-92744-16

Matrix: Solid | Lab File ID: P2467.D

Analysis Method: 8260C | Date Collected: 12/14/2015 16:00

Sample wt/vol: 5.2(g) | Date Analyzed: 12/17/2015 21:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 23.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.3	3.8
1634-04-4	Methyl tert-butyl ether	ND		6.3	0.61
108-87-2	Methylcyclohexane	ND		6.3	0.95
75-09-2	Methylene Chloride	ND		6.3	2.9
100-42-5	Styrene	ND		6.3	0.31
127-18-4	Tetrachloroethene	4.0	J	6.3	0.84
108-88-3	Toluene	ND		6.3	0.47
156-60-5	trans-1,2-Dichloroethene	ND		6.3	0.65
10061-02-6	trans-1,3-Dichloropropene	ND		6.3	2.8
79-01-6	Trichloroethene	6.1	J	6.3	1.4
75-69-4	Trichlorofluoromethane	ND		6.3	0.59
75-01-4	Vinyl chloride	ND		6.3	0.76
1330-20-7	Xylenes, Total	ND		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	80		72-126
2037-26-5	Toluene-d8 (Surr)	111		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D
Lims ID: 480-92744-A-16-A Lab Sample ID: 480-92744-16
Client ID: B-POLEBARN-DUP4
Sample Type: Client
Inject. Date: 17-Dec-2015 21:31:30 ALS Bottle#: 18 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-16-A
Misc. Info.: 480-0049333-025
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:50:20 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:50:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	97	282486	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	475117	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	97	353850	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	225647	51.7	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	94	1152318	55.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	89	288940	39.9	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.577				ND	
12 Bromomethane	94		5.125				ND	
13 Chloroethane	64		5.246				ND	
14 Trichlorofluoromethane	101		5.678				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.311	-0.006	93	14784	1.57	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	97	103146	31.9	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.779				ND	
31 Methylene Chloride	84	6.980	6.986	-0.006	94	31442	1.40	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	93	11366	0.6431	
44 2-Butanone (MEK)	43		8.477				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	82	13679	1.59	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.146				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.350	10.351	-0.001	94	41284	4.89	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.516				ND	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	20780	3.21	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.004				ND	
95 Isopropylbenzene	105		15.077				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.750				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

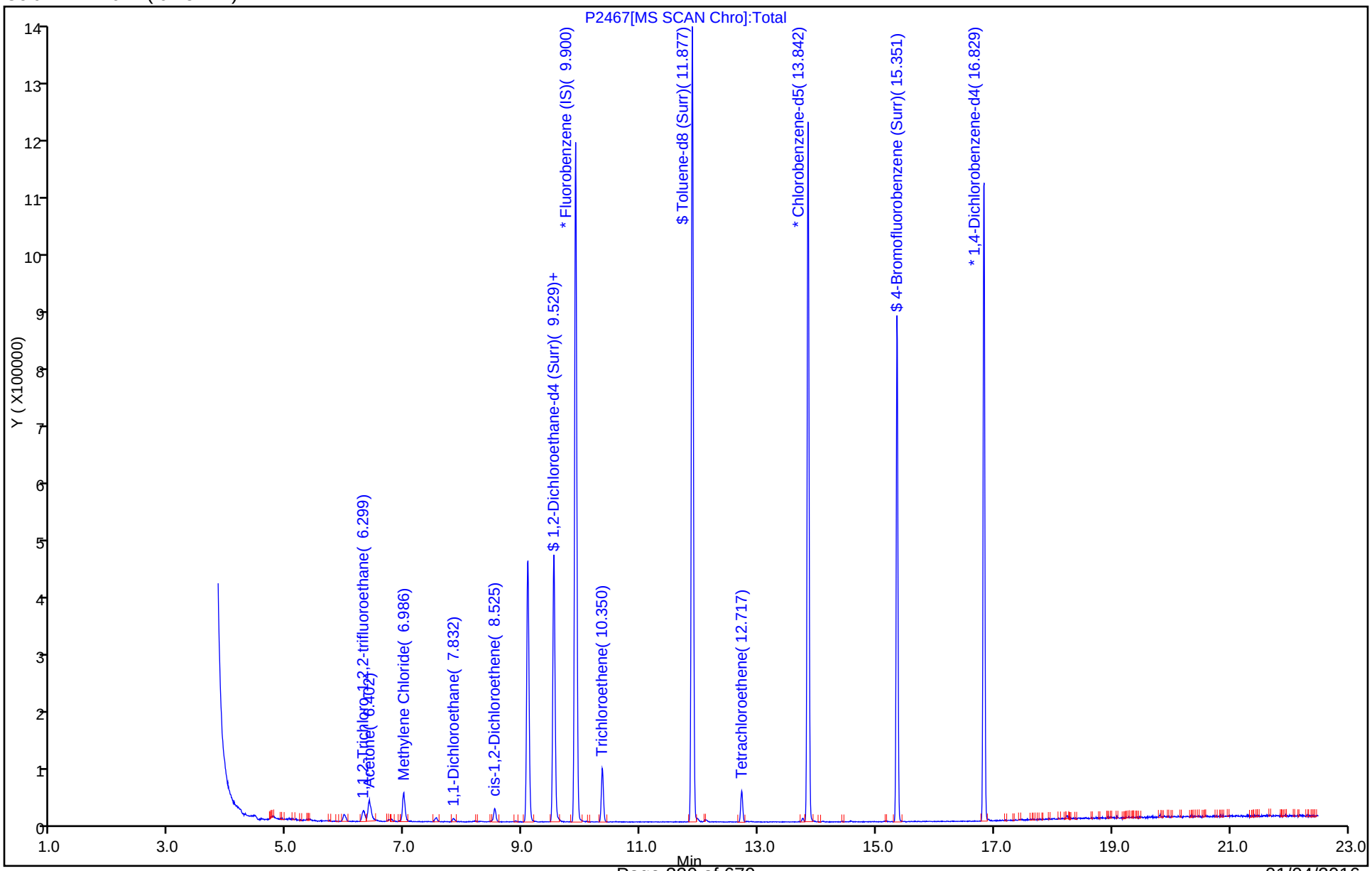
Report Date: 18-Dec-2015 01:50:21 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D

Injection Date:	17-Dec-2015 21:31:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-16-A	Lab Sample ID:	480-92744-16	Worklist Smp#:	25
Client ID:	B-POLEBARN-DUP4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

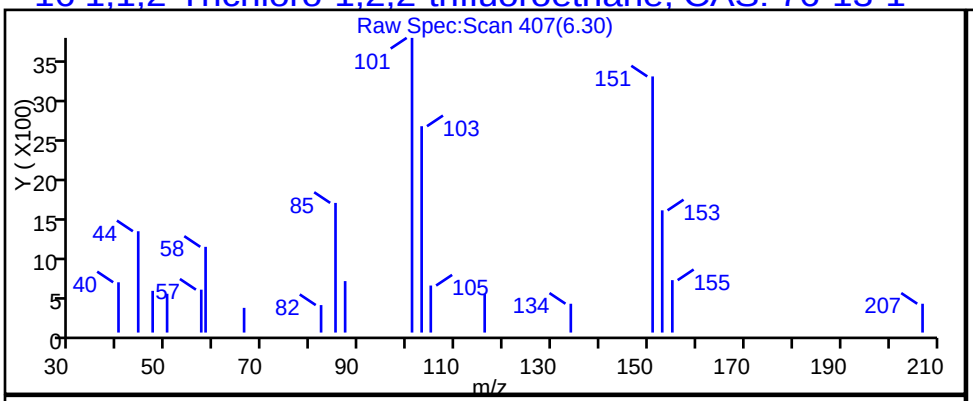


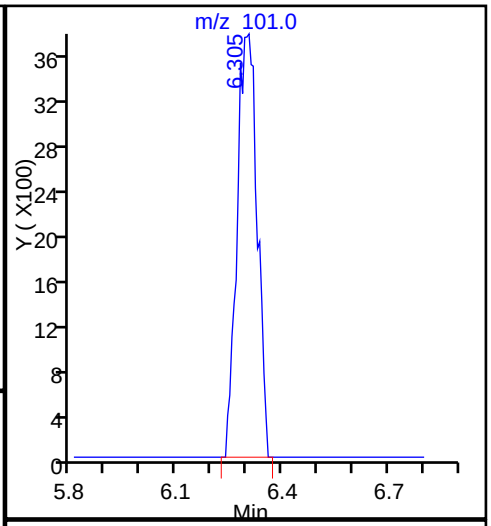
TestAmerica Buffalo

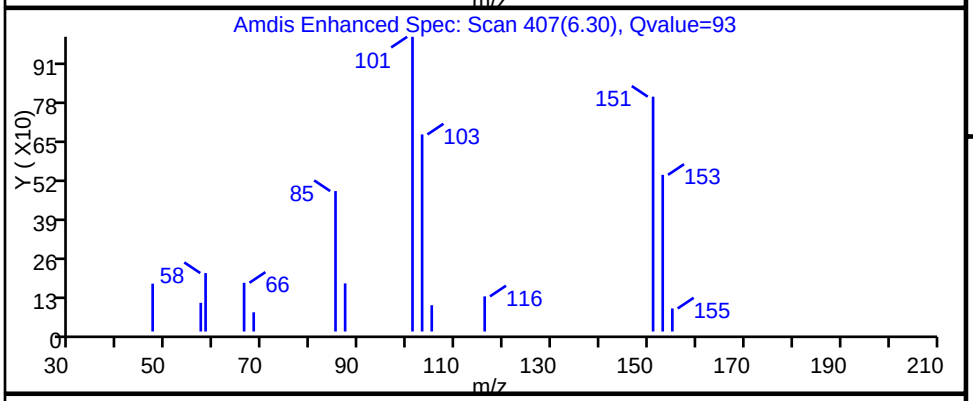
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D

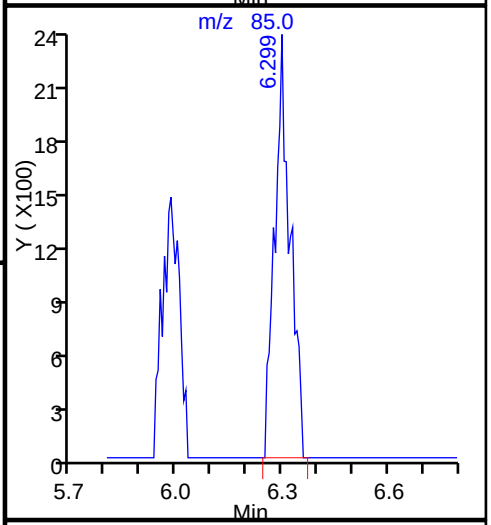
Injection Date:	17-Dec-2015 21:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-16-A	Lab Sample ID:	480-92744-16		
Client ID:	B-POLEBARN-DUP4				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

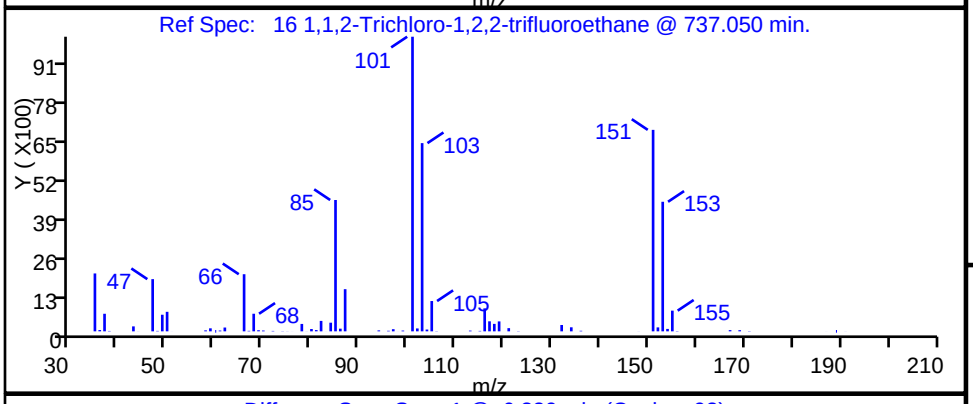
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

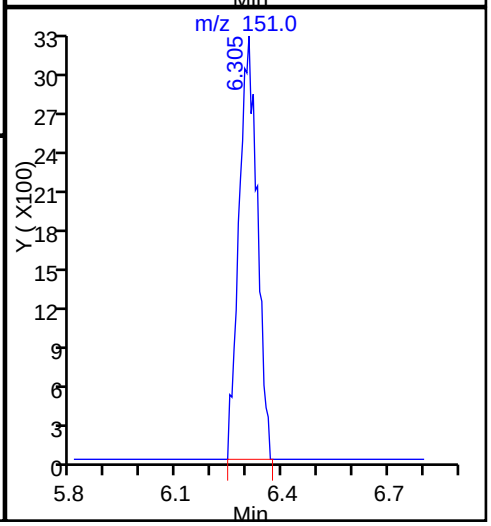


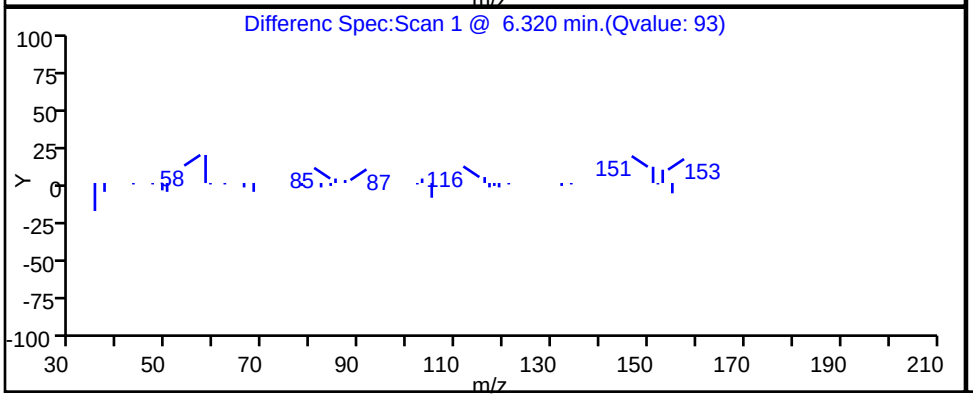










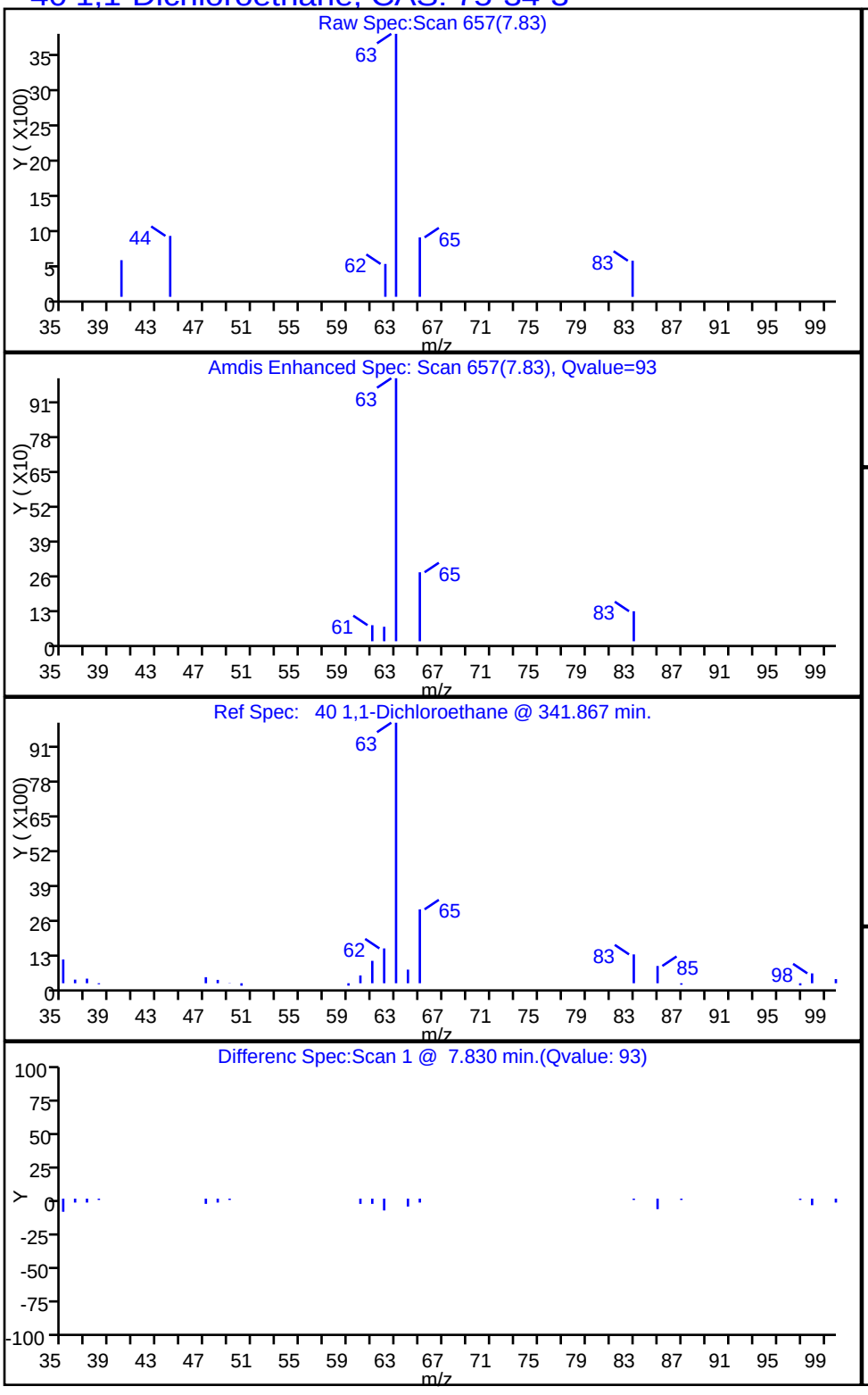


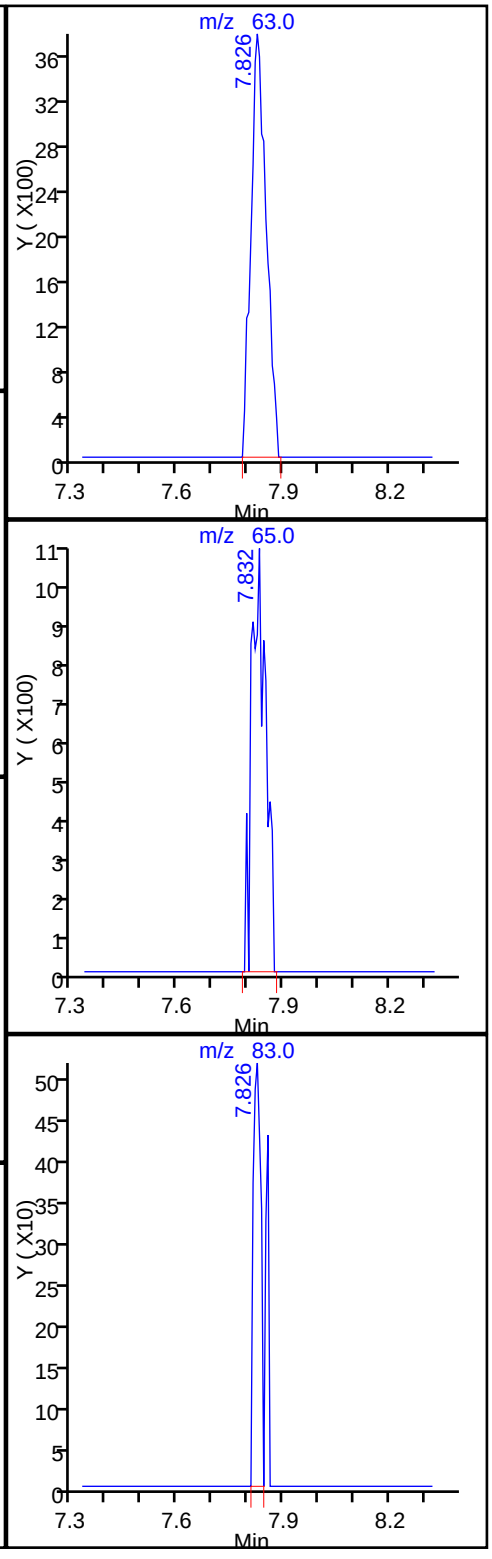
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D

Injection Date:	17-Dec-2015 21:31:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-16-A	Lab Sample ID:	480-92744-16
Client ID:	B-POLEBARN-DUP4		
Operator ID:	CDC	ALS Bottle#:	18 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



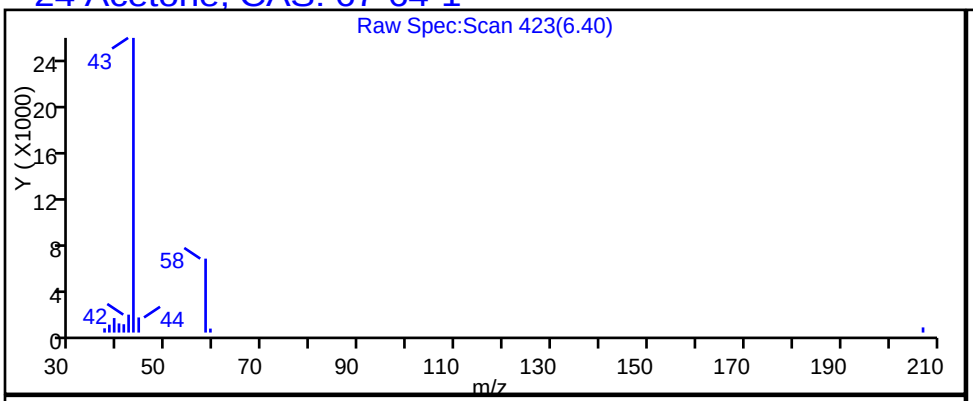


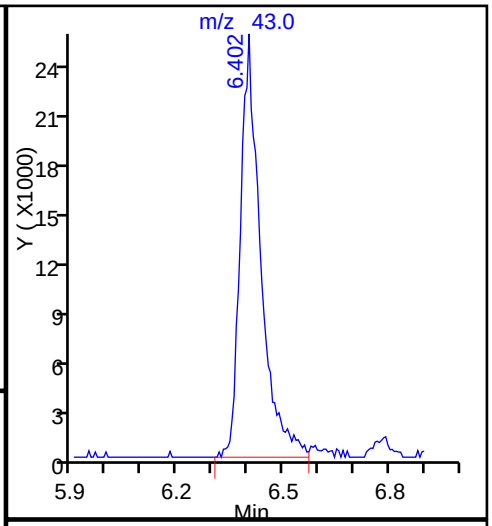
TestAmerica Buffalo

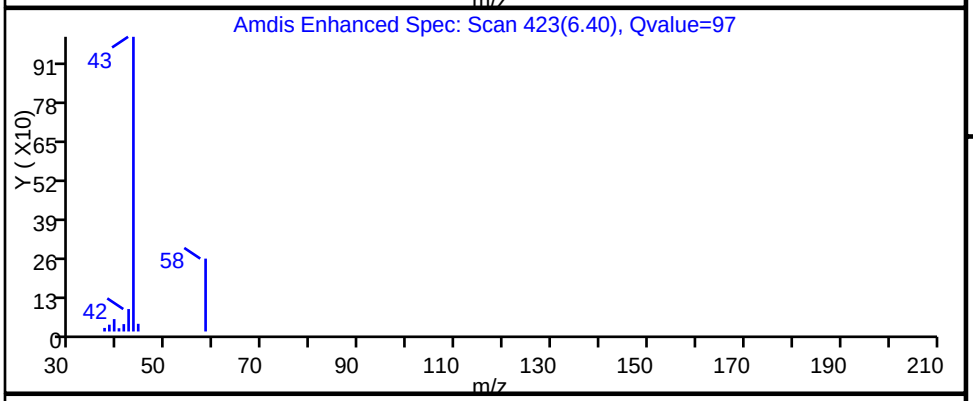
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D

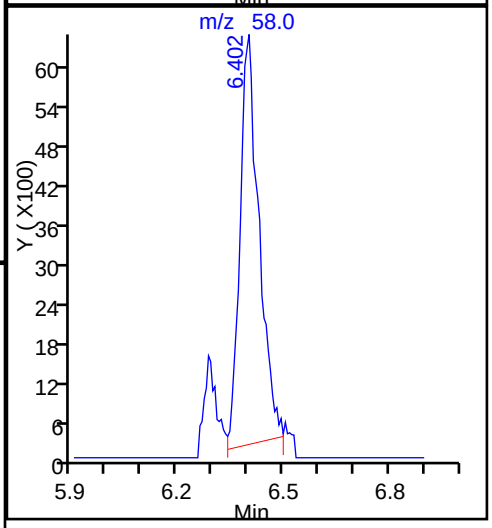
Injection Date:	17-Dec-2015 21:31:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-16-A	Lab Sample ID:	480-92744-16
Client ID:	B-POLEBARN-DUP4		
Operator ID:	CDC	ALS Bottle#:	18 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

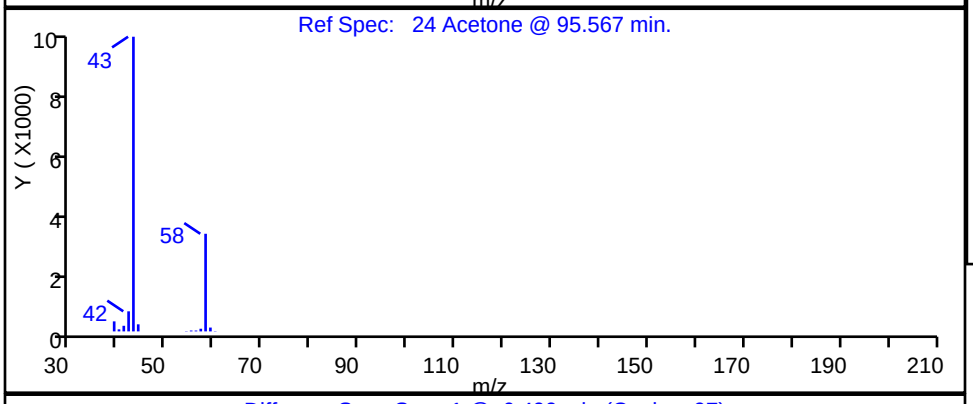
24 Acetone, CAS: 67-64-1

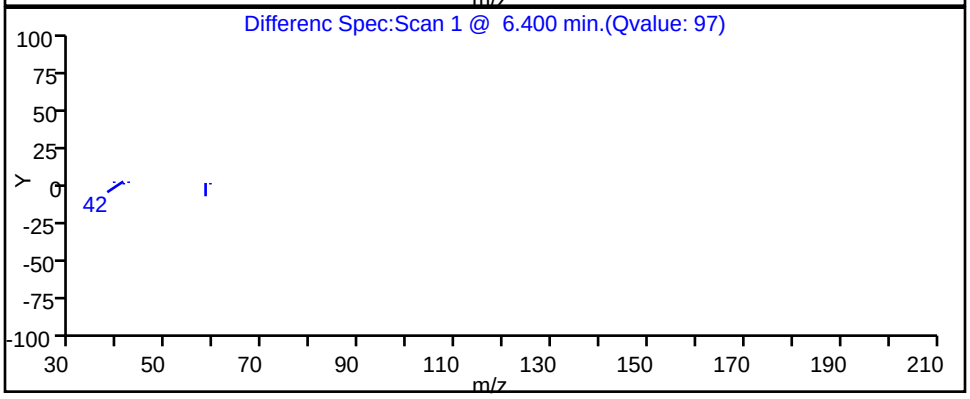








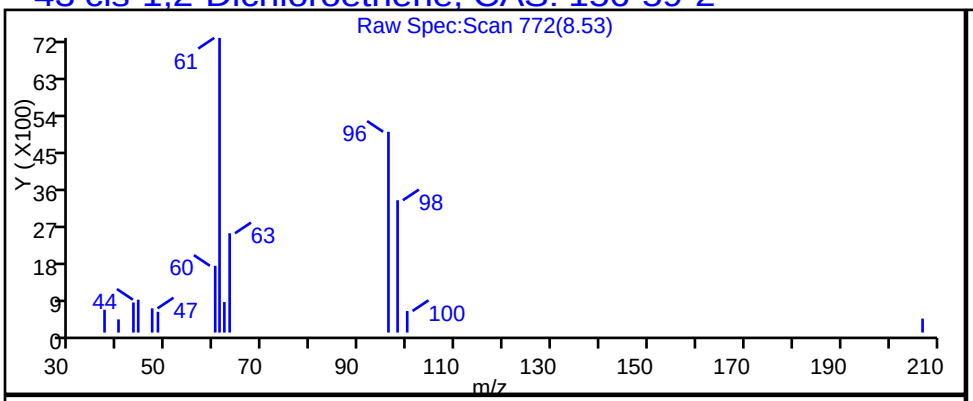


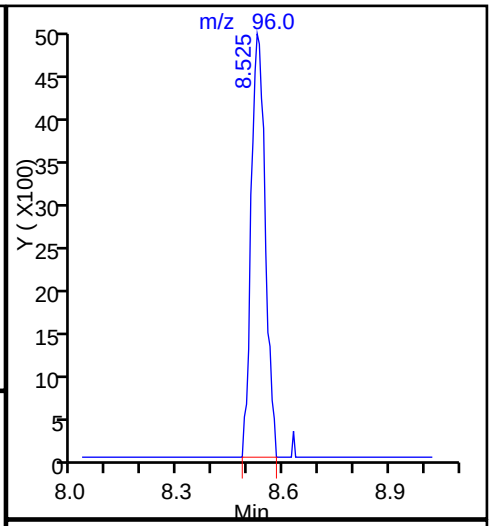


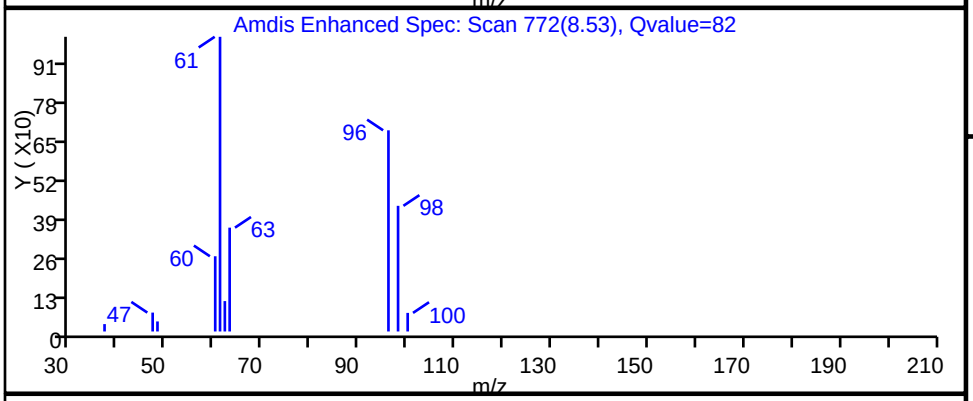
TestAmerica Buffalo

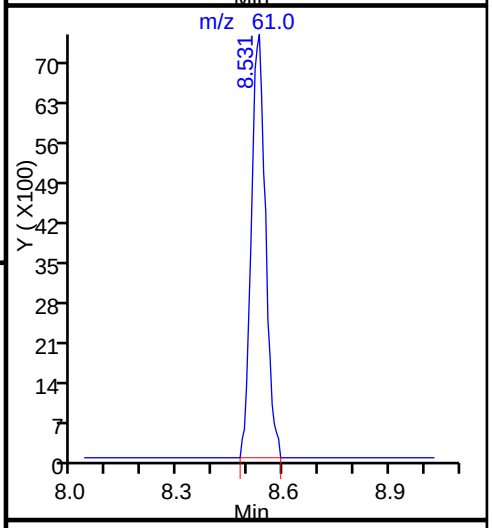
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D				
Injection Date:	17-Dec-2015 21:31:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-16-A	Lab Sample ID:	480-92744-16		
Client ID:	B-POLEBARN-DUP4				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

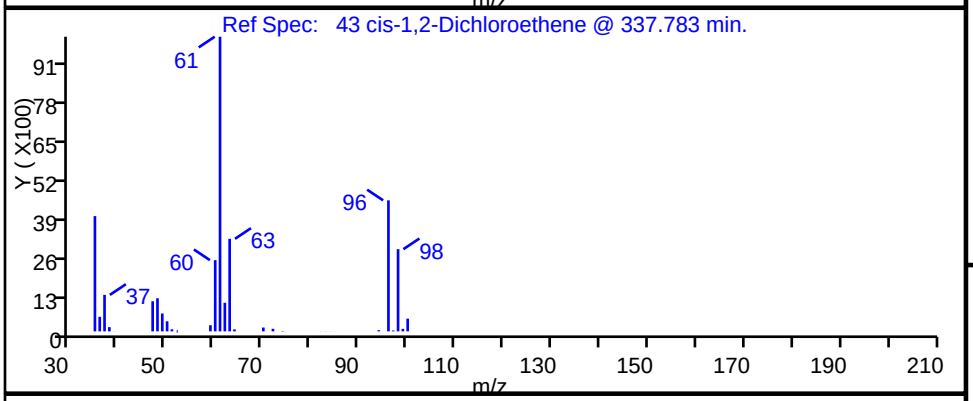
43 cis-1,2-Dichloroethene, CAS: 156-59-2

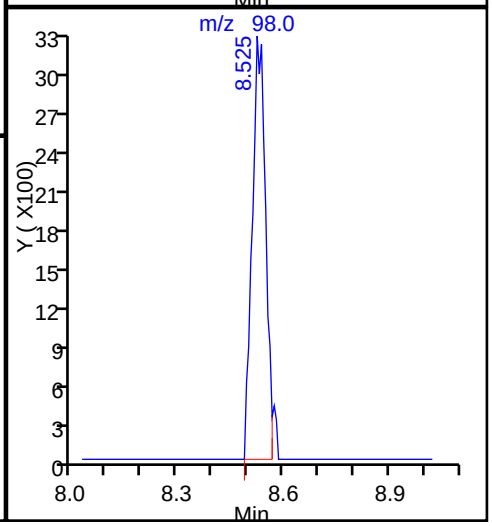


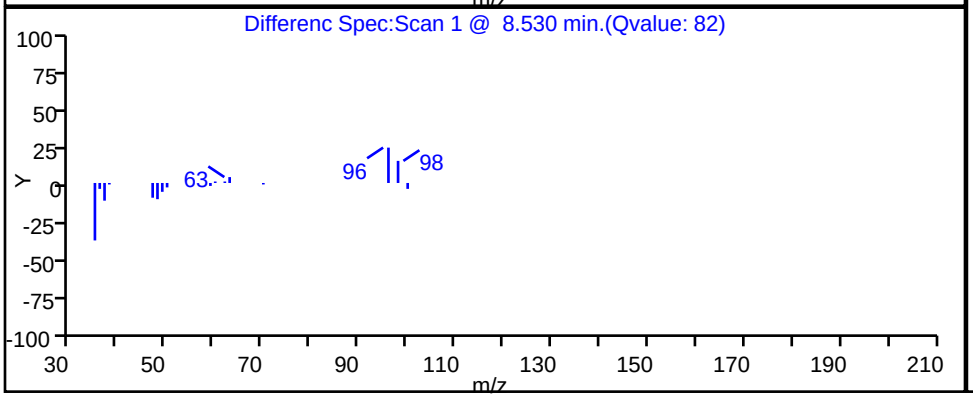








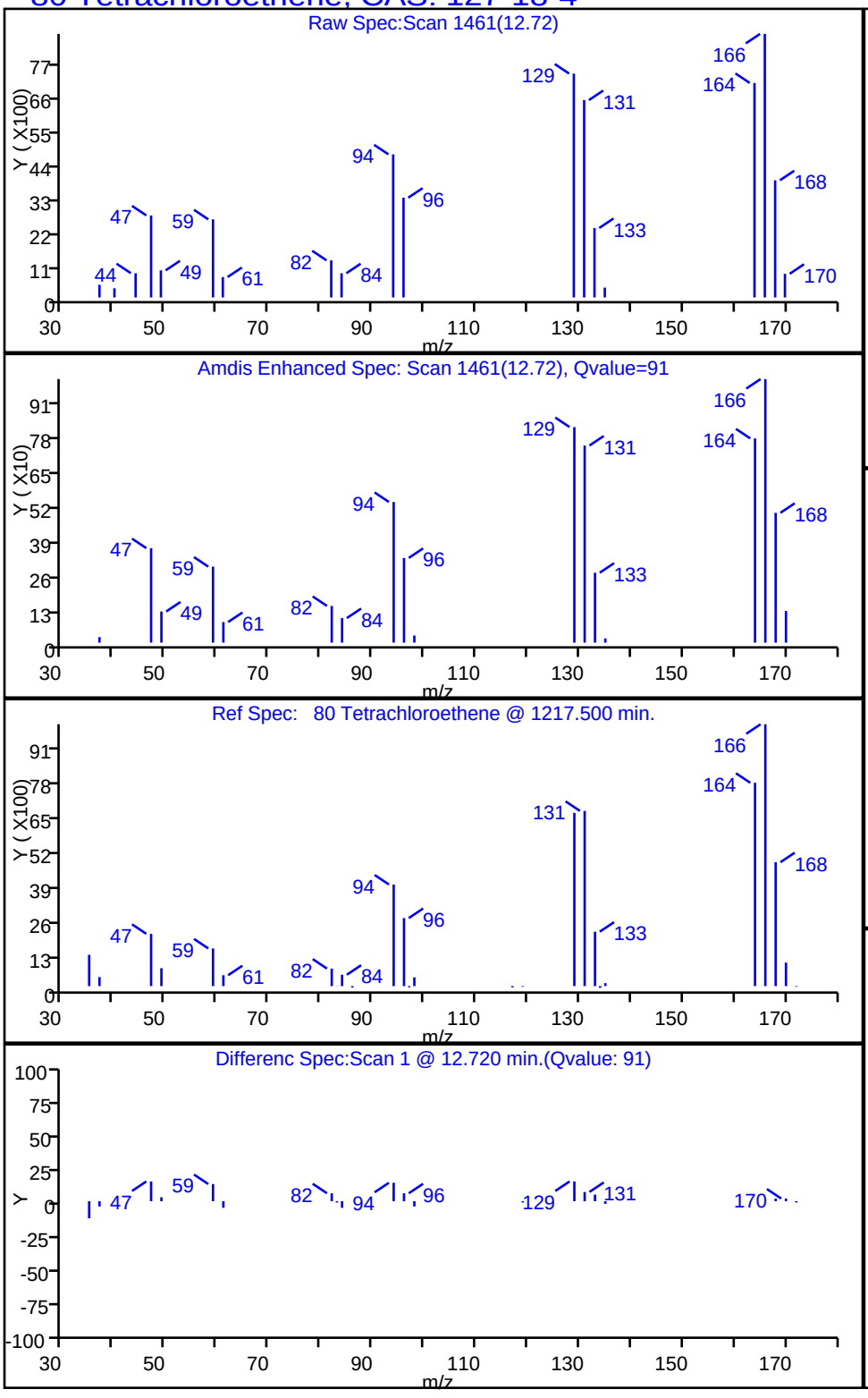


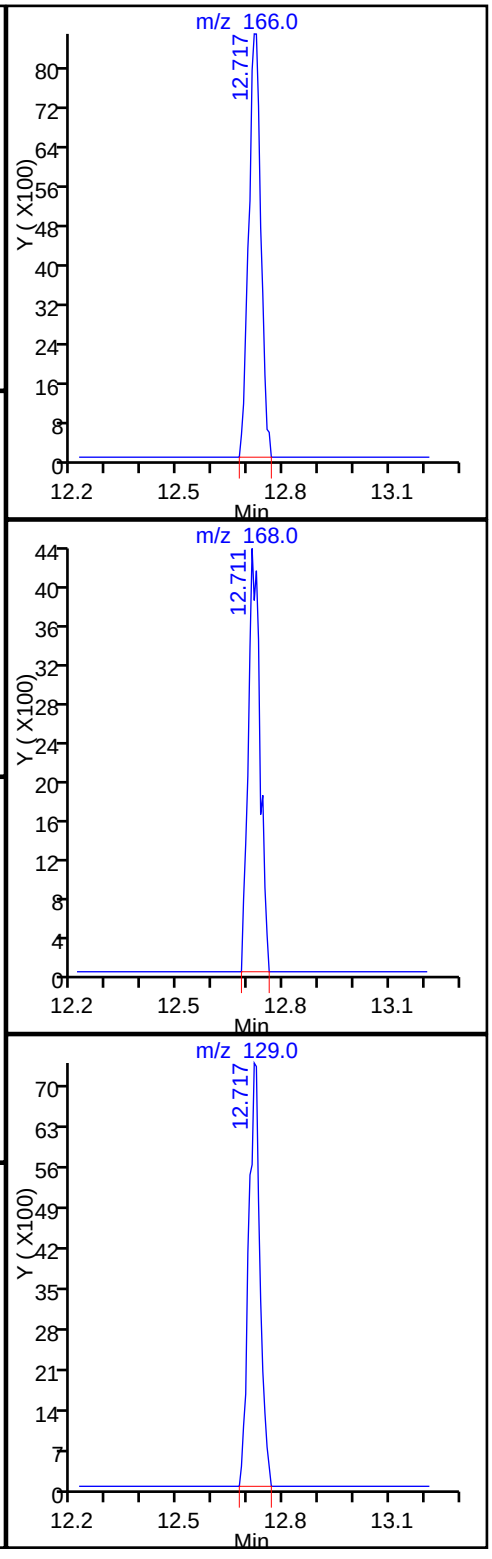


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D		
Injection Date:	17-Dec-2015 21:31:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-16-A	Lab Sample ID:	480-92744-16
Client ID:	B-POLEBARN-DUP4		
Operator ID:	CDC	ALS Bottle#:	18 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

80 Tetrachloroethene, CAS: 127-18-4



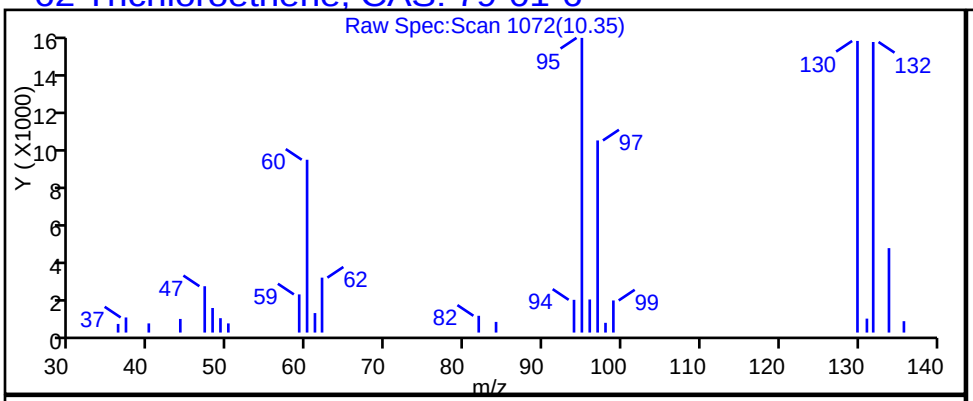


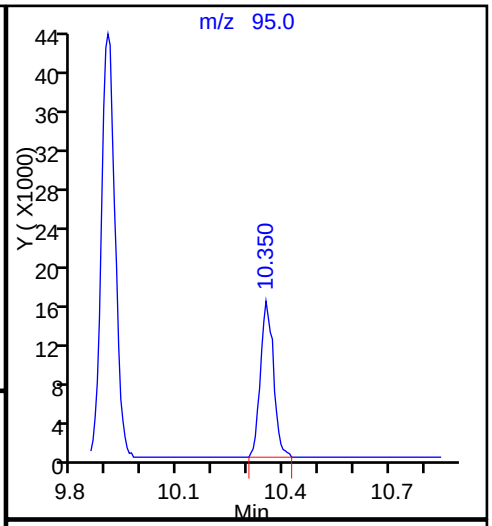
TestAmerica Buffalo

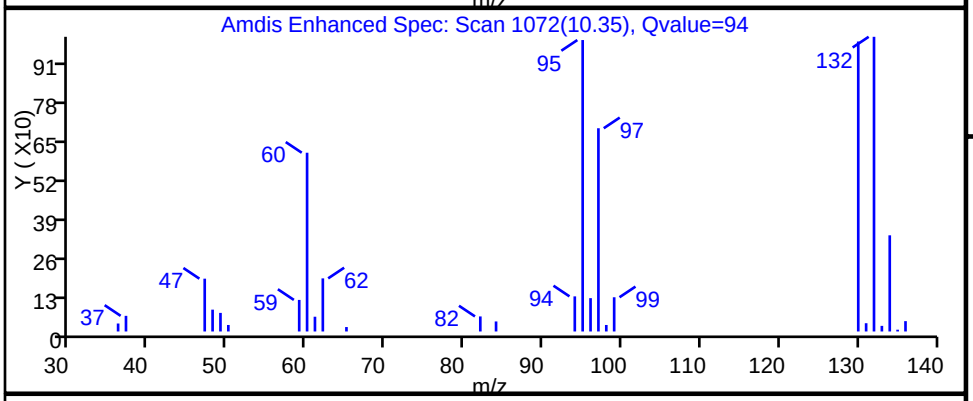
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2467.D

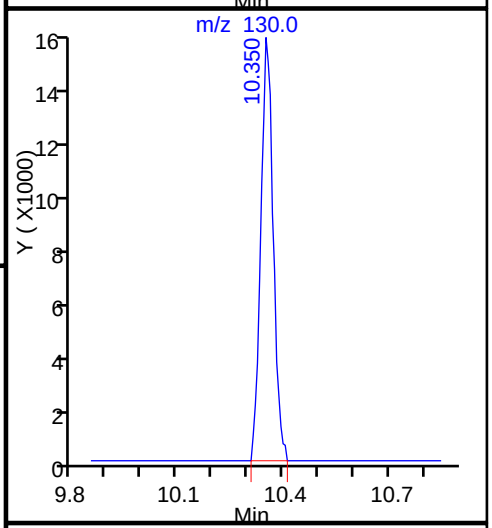
Injection Date:	17-Dec-2015 21:31:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-16-A	Lab Sample ID:	480-92744-16
Client ID:	B-POLEBARN-DUP4		
Operator ID:	CDC	ALS Bottle#:	18 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

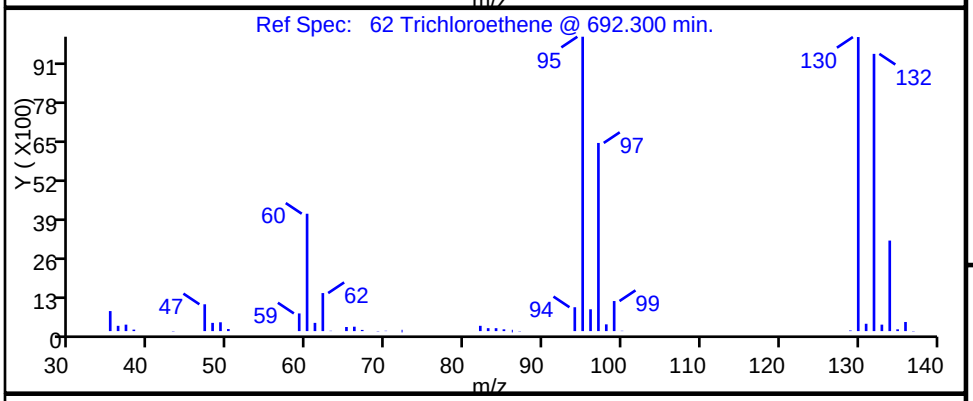
62 Trichloroethene, CAS: 79-01-6

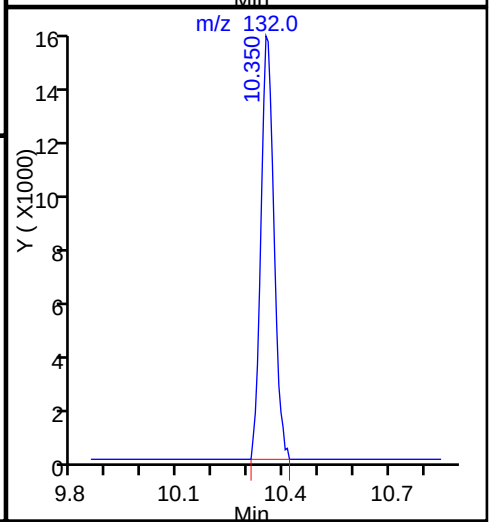


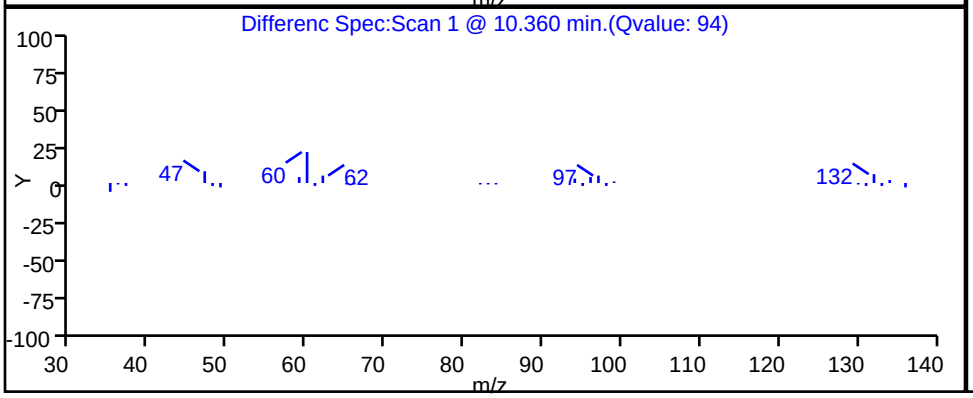












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B36-POLEBARN-S1 | Lab Sample ID: 480-92744-17

Matrix: Solid | Lab File ID: P2488.D

Analysis Method: 8260C | Date Collected: 12/15/2015 09:15

Sample wt/vol: 5.03(g) | Date Analyzed: 12/18/2015 08:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.90
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.72
75-34-3	1,1-Dichloroethane	2.1	J	5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.68
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.8
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	ND		28	2.0
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	ND		28	4.7
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.8
74-83-9	Bromomethane	ND		5.5	0.50
75-15-0	Carbon disulfide	ND		5.5	2.8
56-23-5	Carbon tetrachloride	ND		5.5	0.54
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	59		5.5	0.71
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.80
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.71
75-71-8	Dichlorodifluoromethane	ND		5.5	0.46
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B36-POLEBARN-S1 | Lab Sample ID: 480-92744-17

Matrix: Solid | Lab File ID: P2488.D

Analysis Method: 8260C | Date Collected: 12/15/2015 09:15

Sample wt/vol: 5.03(g) | Date Analyzed: 12/18/2015 08:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.28
127-18-4	Tetrachloroethene	ND		5.5	0.74
108-88-3	Toluene	ND		5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	36		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2488.D
Lims ID: 480-92744-A-17-A Lab Sample ID: 480-92744-17
Client ID: B36-POLEBARN-S1
Sample Type: Client
Inject. Date: 18-Dec-2015 08:18:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-17-A
Misc. Info.: 480-0049361-019
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Dec-2015 00:59:58 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: diasn Date: 19-Dec-2015 00:59:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	320718	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	90	658679	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	97	630843	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	269760	54.4	
$ 5 Toluene-d8 (Surr)	98	11.884	11.878	0.006	94	1442932	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	473247	47.2	
10 Dichlorodifluoromethane	85		4.024				ND	
11 Chloromethane	50		4.334				ND	
17 Vinyl chloride	62	4.571	4.565	0.006	98	235053	32.5	
12 Bromomethane	94		5.113				ND	
13 Chloroethane	64		5.240				ND	
14 Trichlorofluoromethane	101		5.660				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.299	0.006	95	469106	43.9	
25 1,1-Dichloroethene	96		6.366				ND	
24 Acetone	43	6.402	6.384	0.018	67	5082	1.38	
30 Methyl acetate	43		6.761				ND	
27 Carbon disulfide	76	6.767	6.767	0.000	100	34049	1.03	
31 Methylene Chloride	84		6.980				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.297				ND	
40 1,1-Dichloroethane	63	7.832	7.820	0.012	97	37634	1.88	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.531	8.519	0.012	84	518611	53.0	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.207				ND	
55 Carbon tetrachloride	117		9.347				ND	
57 Benzene	78		9.590				ND	
60 1,2-Dichloroethane	62		9.615				ND	
62 Trichloroethene	95	10.350	10.351	-0.001	87	2287	0.2388	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.655				ND	
70 Dichlorobromomethane	83		10.983				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92		11.969				ND	
78 trans-1,3-Dichloropropene	75		12.224				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	71	1817	0.2023	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.289				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91		13.946				ND	
90 m-Xylene & p-Xylene	106		14.086				ND	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.011				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.854				ND	
116 1,2-Dichlorobenzene	146		17.347				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

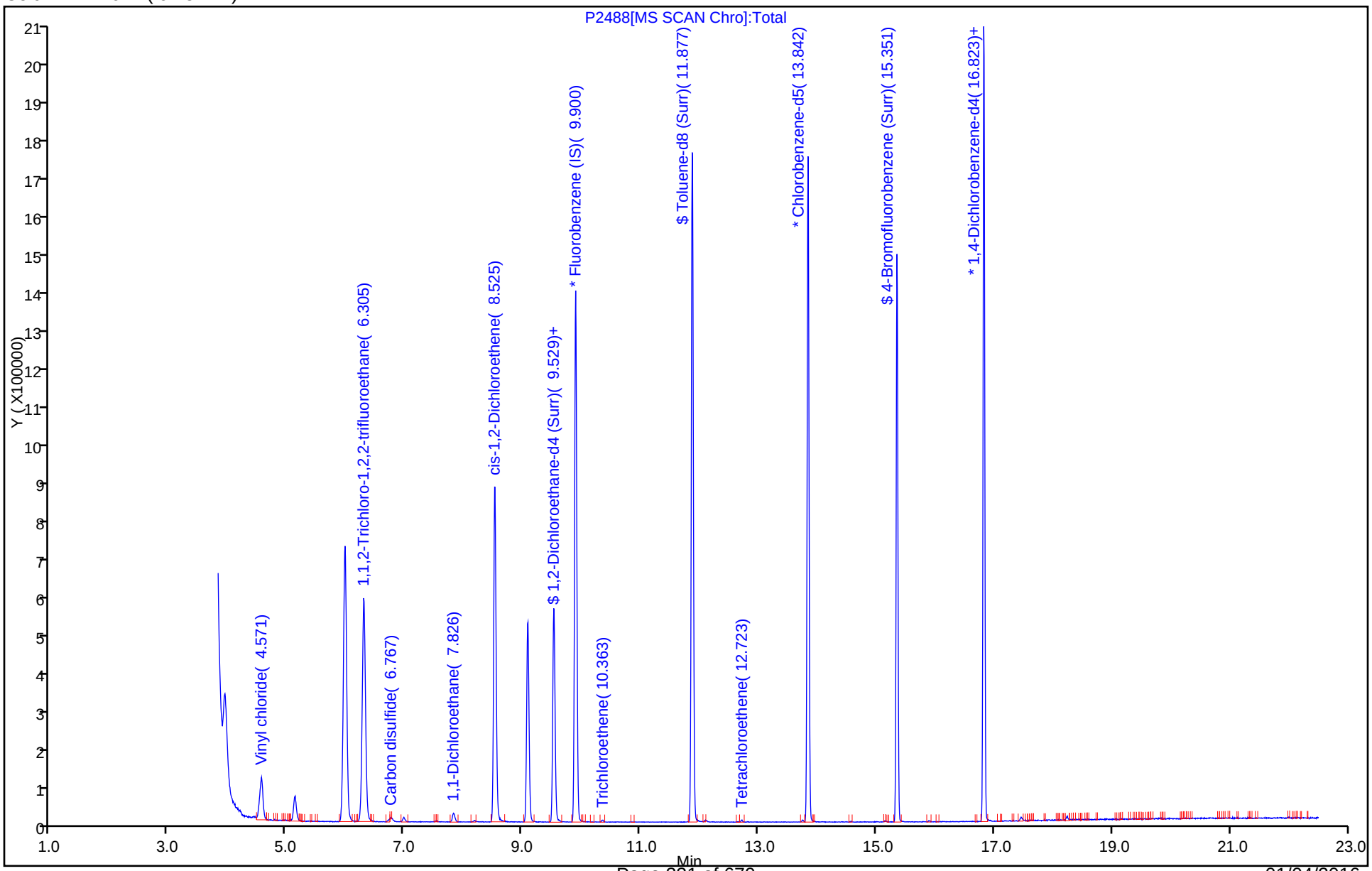
Report Date: 19-Dec-2015 00:59:58 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2488.D

Injection Date:	18-Dec-2015 08:18:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-17-A	Lab Sample ID:	480-92744-17	Worklist Smp#:	19
Client ID:	B36-POLEBARN-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

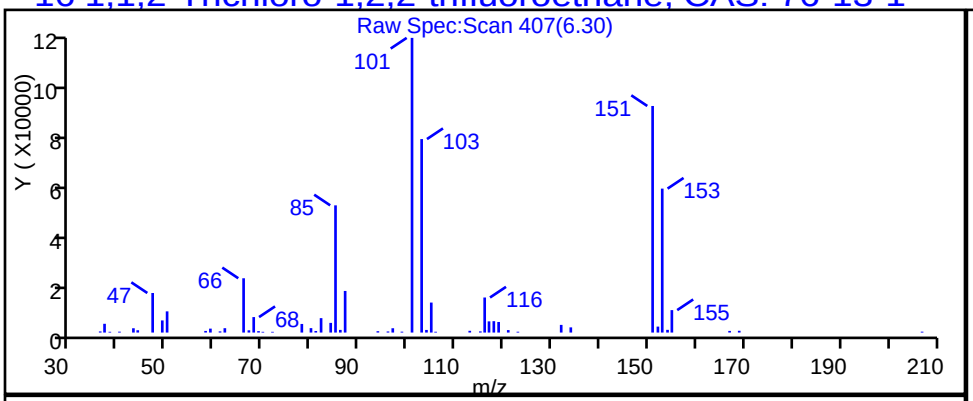
Column: ZB-624 (0.25 mm)

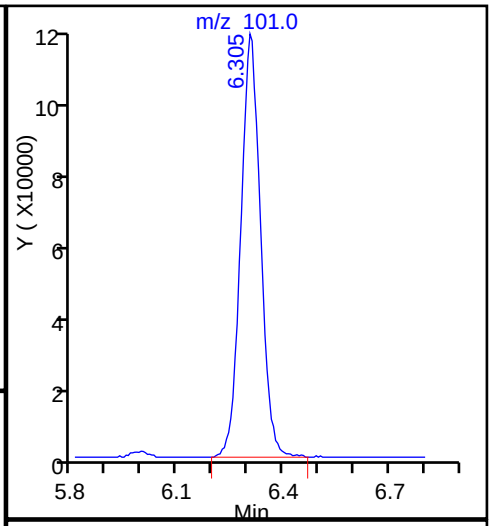


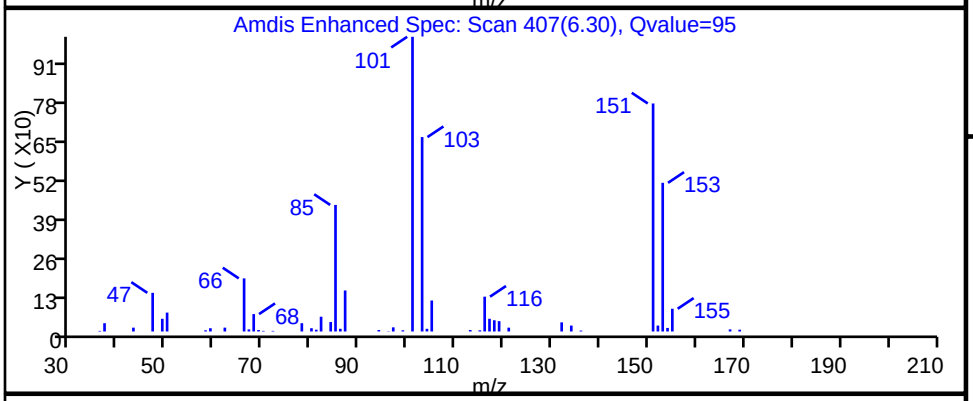
TestAmerica Buffalo

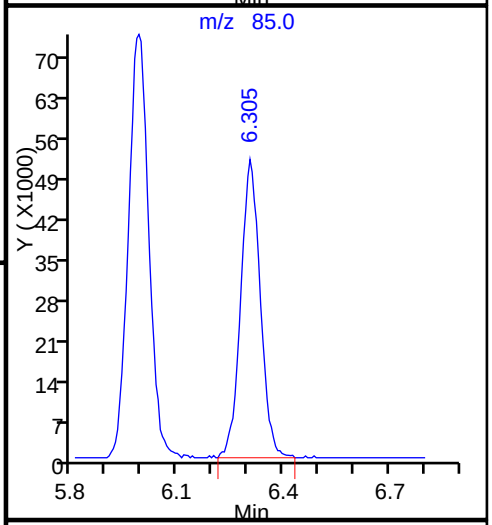
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2488.D				
Injection Date:	18-Dec-2015 08:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-17-A	Lab Sample ID:	480-92744-17		
Client ID:	B36-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

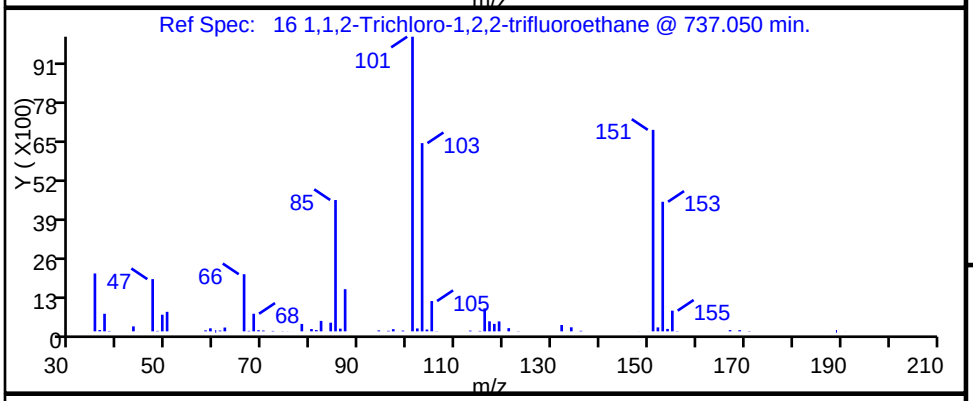
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

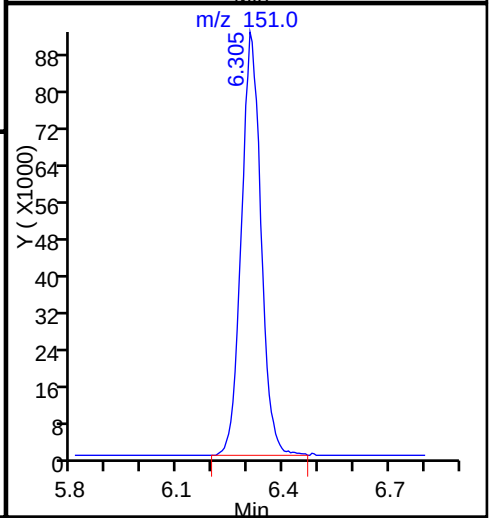


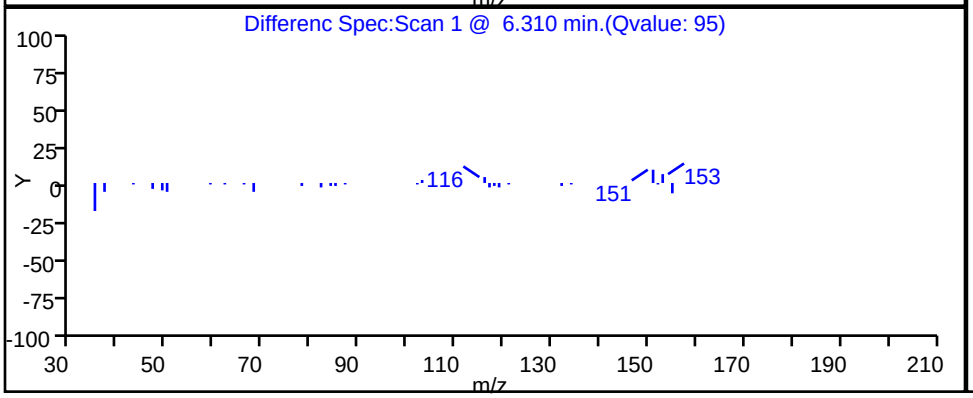












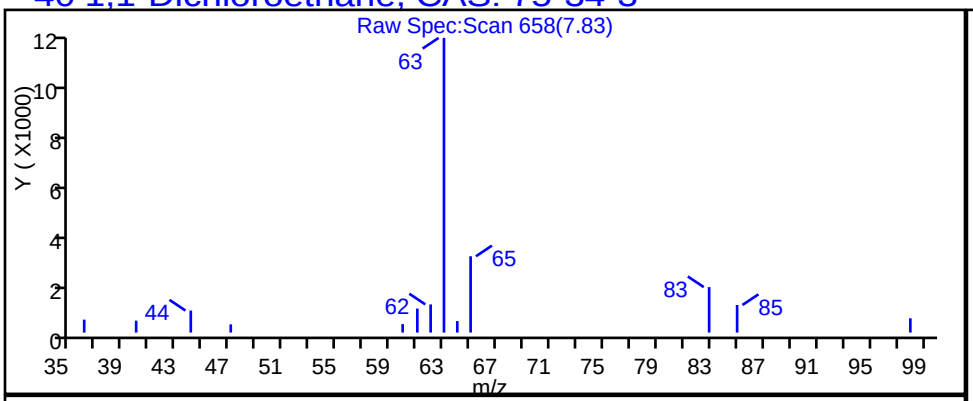
Report Date: 19-Dec-2015 00:59:58 Chrom Revision: 2.2 02-Dec-2015 11:51:48

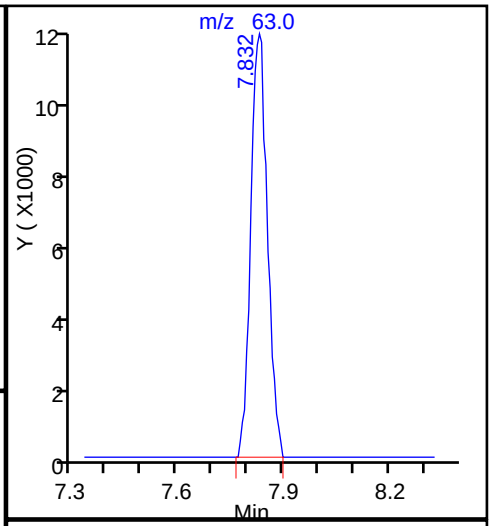
TestAmerica Buffalo

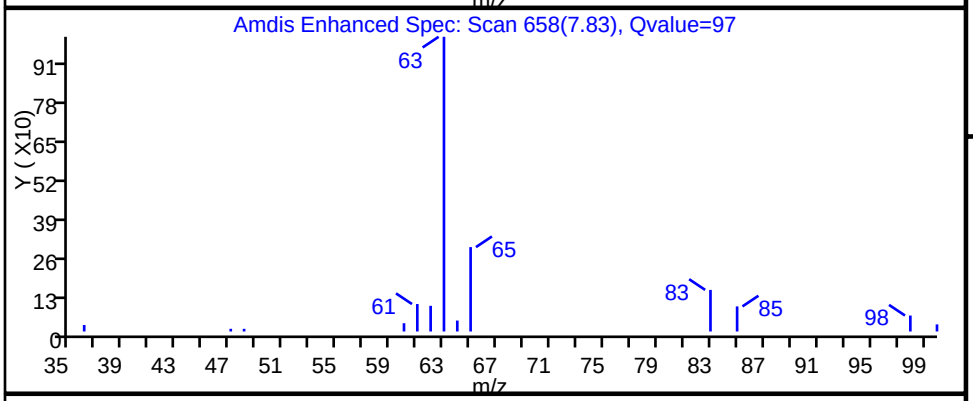
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2488.D

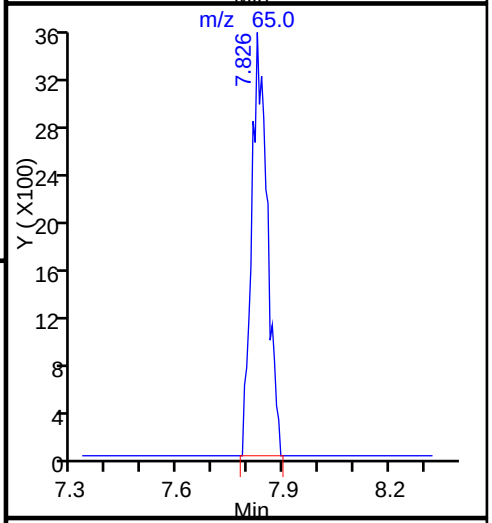
Injection Date:	18-Dec-2015 08:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-17-A	Lab Sample ID:	480-92744-17		
Client ID:	B36-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

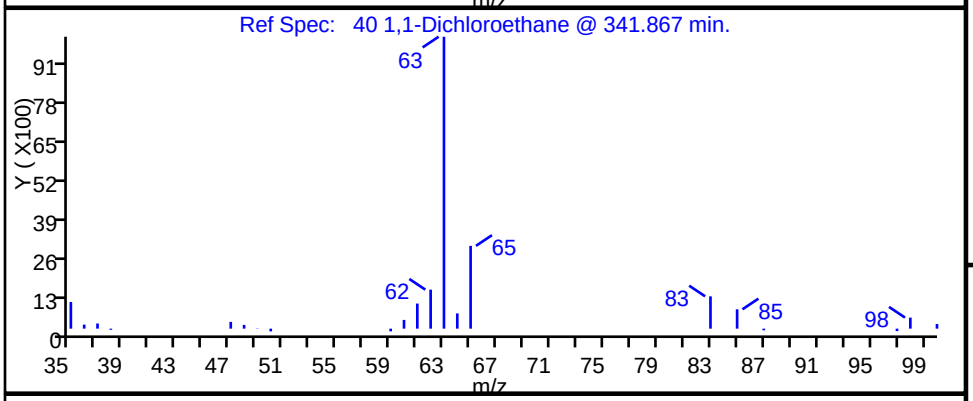
40 1,1-Dichloroethane, CAS: 75-34-3

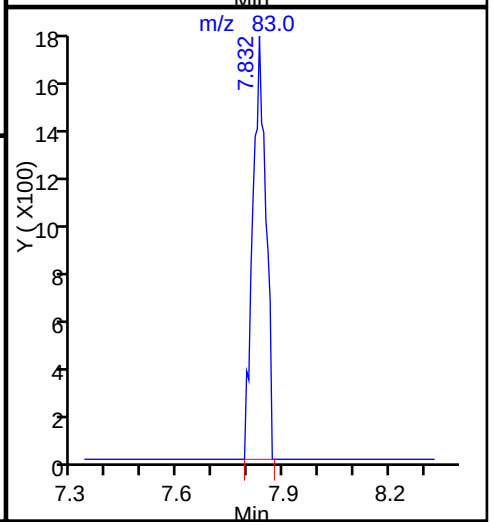


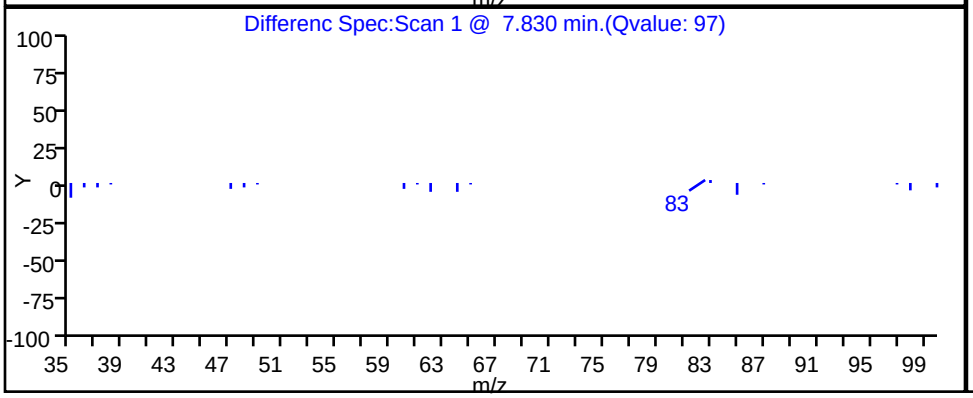










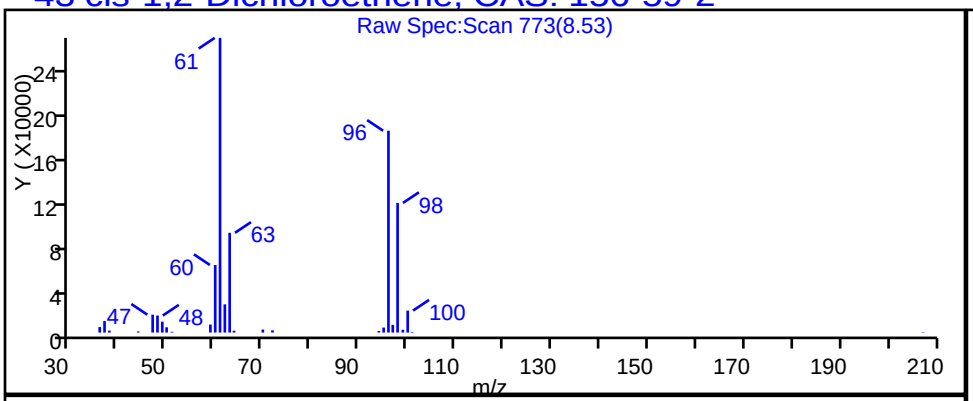


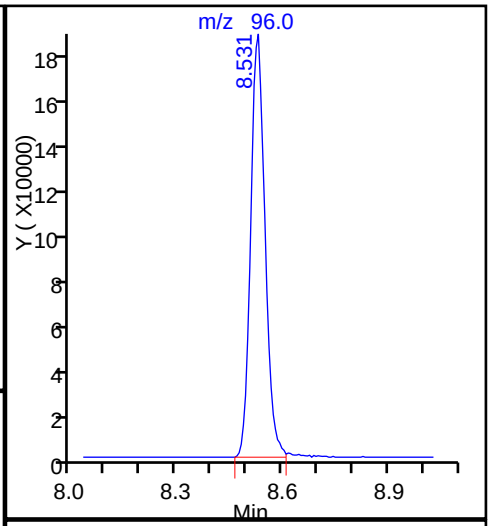
TestAmerica Buffalo

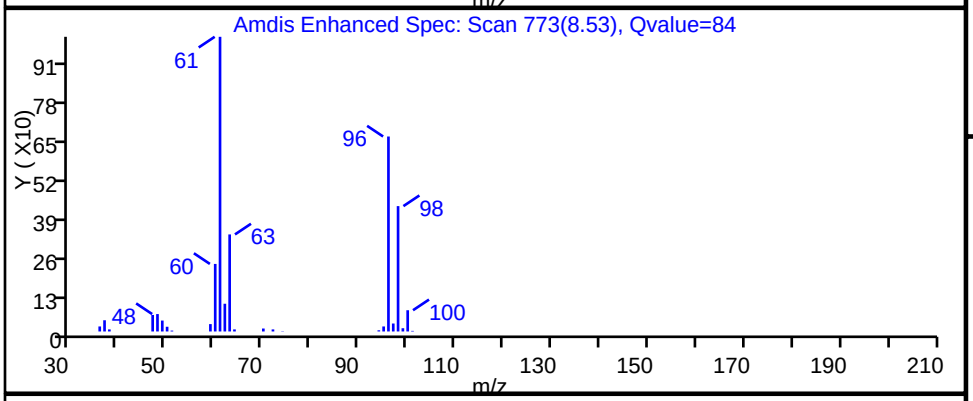
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2488.D

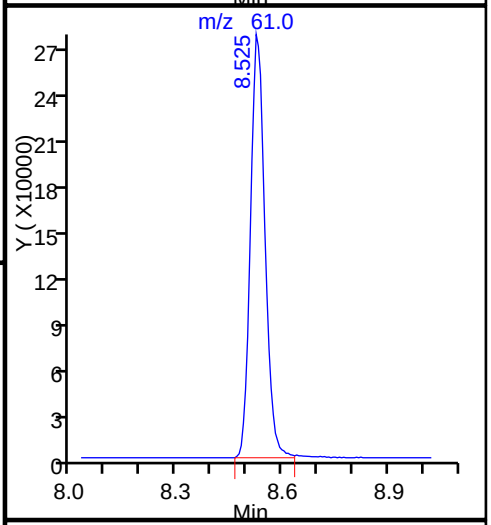
Injection Date:	18-Dec-2015 08:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-17-A	Lab Sample ID:	480-92744-17		
Client ID:	B36-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

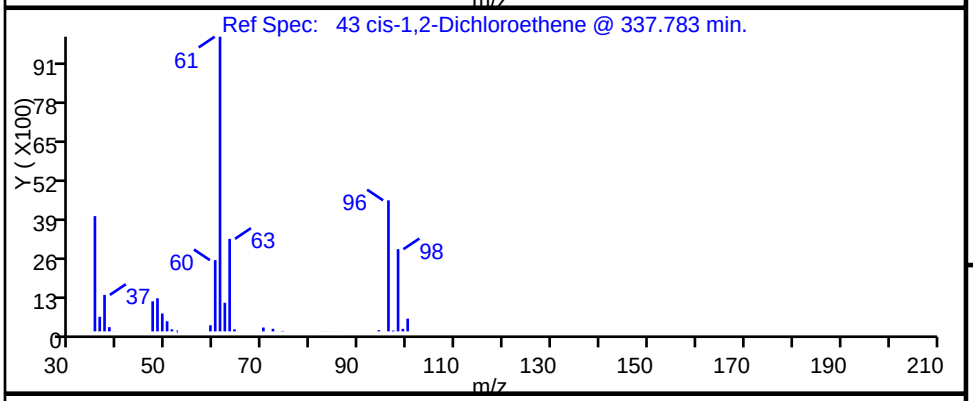
43 cis-1,2-Dichloroethene, CAS: 156-59-2

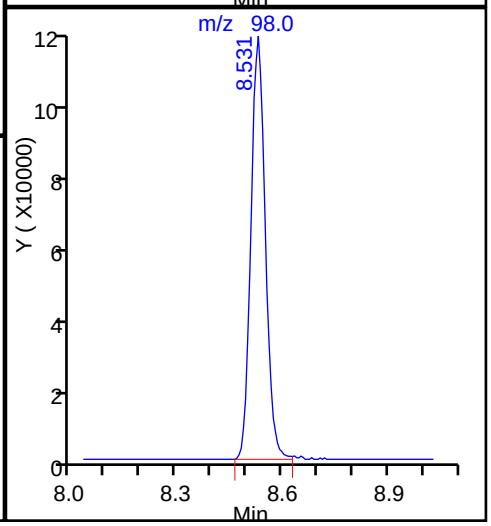


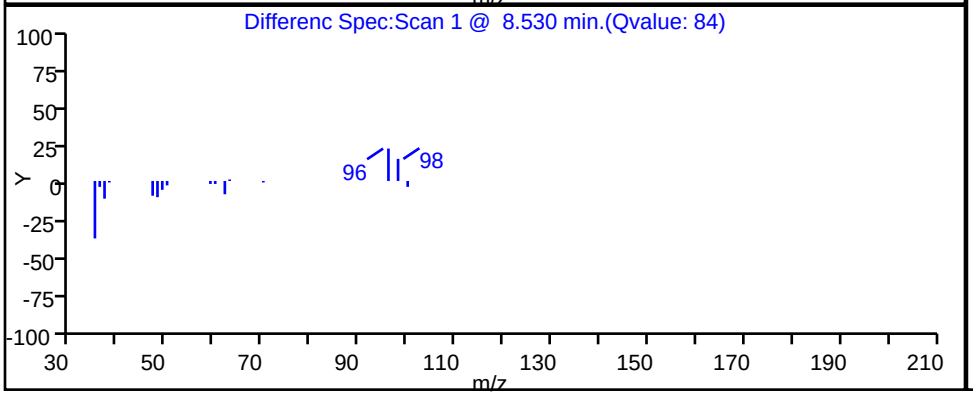










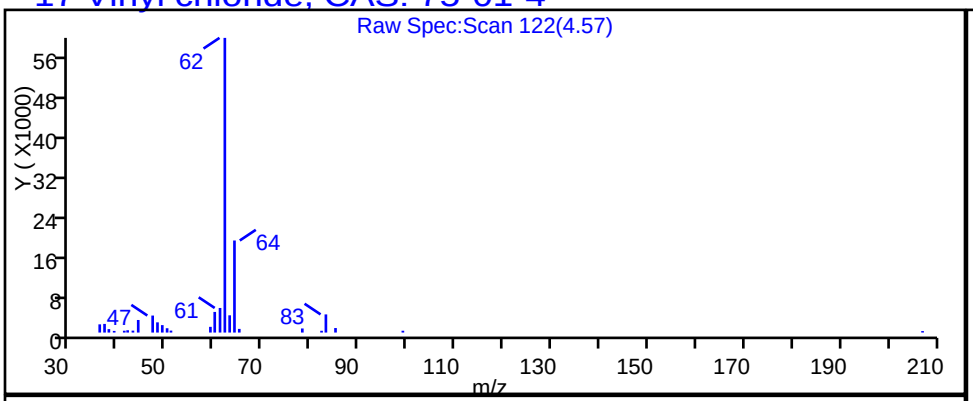


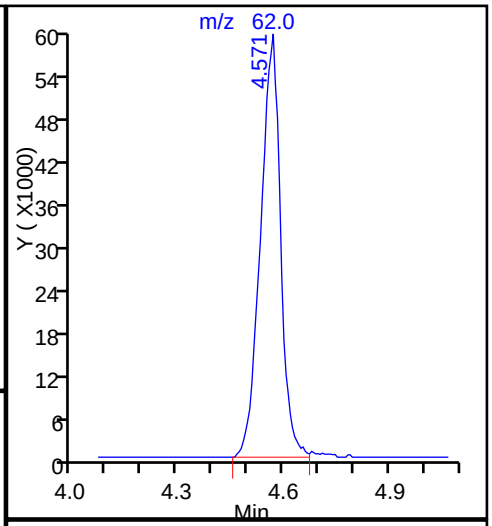
TestAmerica Buffalo

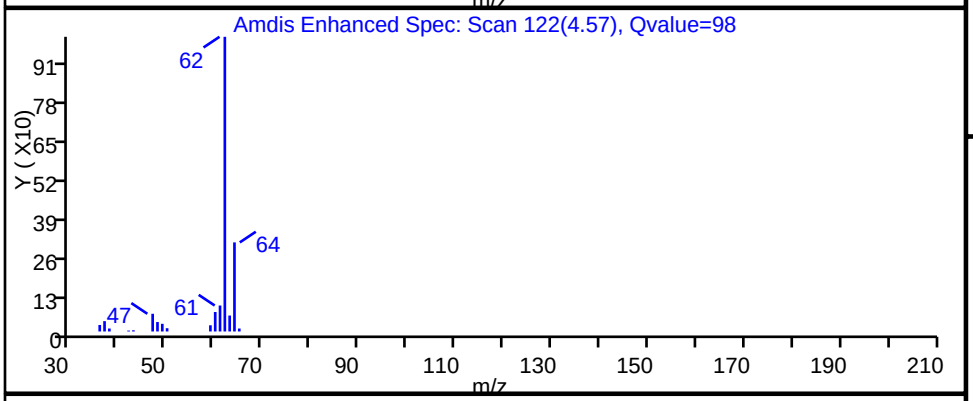
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2488.D

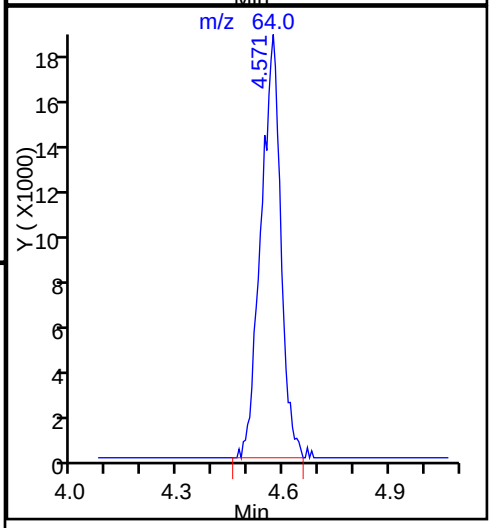
Injection Date:	18-Dec-2015 08:18:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-17-A	Lab Sample ID:	480-92744-17		
Client ID:	B36-POLEBARN-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

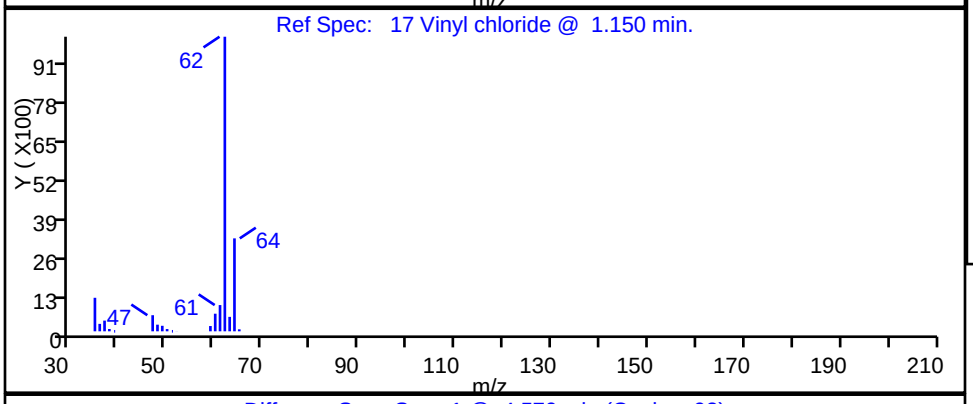
17 Vinyl chloride, CAS: 75-01-4

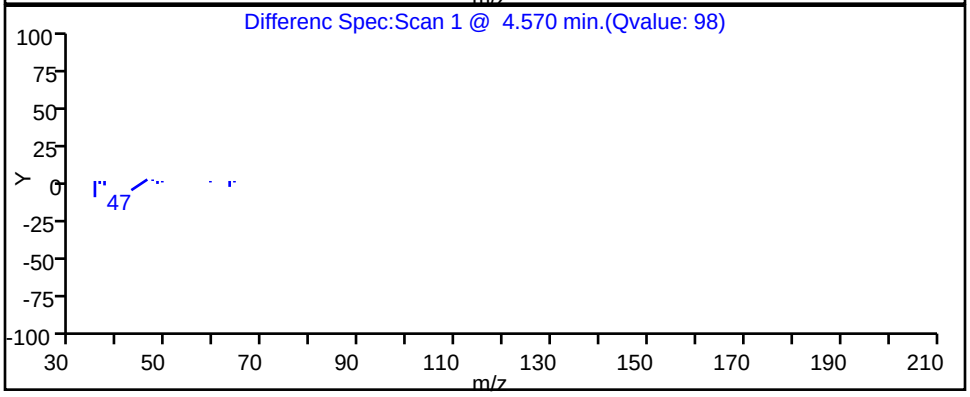












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B36-POLEBARN-S2 | Lab Sample ID: 480-92744-18

Matrix: Solid | Lab File ID: P2535.D

Analysis Method: 8260C | Date Collected: 12/15/2015 10:05

Sample wt/vol: 0.51(g) | Date Analyzed: 12/22/2015 01:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		56	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		56	9.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	160		56	13
79-00-5	1,1,2-Trichloroethane	ND		56	7.3
75-34-3	1,1-Dichloroethane	110		56	6.8
75-35-4	1,1-Dichloroethene	ND		56	6.9
120-82-1	1,2,4-Trichlorobenzene	ND		56	3.4
96-12-8	1,2-Dibromo-3-Chloropropane	ND		56	28
106-93-4	1,2-Dibromoethane	ND		56	7.2
95-50-1	1,2-Dichlorobenzene	6.5	J	56	4.4
107-06-2	1,2-Dichloroethane	ND		56	2.8
78-87-5	1,2-Dichloropropane	ND		56	28
541-73-1	1,3-Dichlorobenzene	ND		56	2.9
106-46-7	1,4-Dichlorobenzene	ND		56	7.8
78-93-3	2-Butanone (MEK)	ND		280	21
591-78-6	2-Hexanone	ND		280	28
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		280	18
67-64-1	Acetone	ND		280	47
71-43-2	Benzene	ND		56	2.7
75-27-4	Bromodichloromethane	ND		56	7.5
75-25-2	Bromoform	ND		56	28
74-83-9	Bromomethane	ND		56	5.0
75-15-0	Carbon disulfide	ND		56	28
56-23-5	Carbon tetrachloride	ND		56	5.4
108-90-7	Chlorobenzene	ND		56	7.4
75-00-3	Chloroethane	ND		56	13
67-66-3	Chloroform	ND		56	3.5
74-87-3	Chloromethane	ND		56	3.4
156-59-2	cis-1,2-Dichloroethene	800		56	7.2
10061-01-5	cis-1,3-Dichloropropene	ND		56	8.1
110-82-7	Cyclohexane	ND		56	7.8
124-48-1	Dibromochloromethane	ND		56	7.2
75-71-8	Dichlorodifluoromethane	ND		56	4.6
100-41-4	Ethylbenzene	8.5	J	56	3.9
98-82-8	Isopropylbenzene	ND		56	8.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B36-POLEBARN-S2 | Lab Sample ID: 480-92744-18

Matrix: Solid | Lab File ID: P2535.D

Analysis Method: 8260C | Date Collected: 12/15/2015 10:05

Sample wt/vol: 0.51(g) | Date Analyzed: 12/22/2015 01:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		56	34
1634-04-4	Methyl tert-butyl ether	ND		56	5.5
108-87-2	Methylcyclohexane	ND		56	8.5
75-09-2	Methylene Chloride	ND		56	26
100-42-5	Styrene	ND		56	2.8
127-18-4	Tetrachloroethene	1900		56	7.5
108-88-3	Toluene	15	J	56	4.2
156-60-5	trans-1,2-Dichloroethene	ND		56	5.8
10061-02-6	trans-1,3-Dichloropropene	ND		56	25
79-01-6	Trichloroethene	410		56	12
75-69-4	Trichlorofluoromethane	ND		56	5.3
75-01-4	Vinyl chloride	ND		56	6.8
1330-20-7	Xylenes, Total	25	J	110	9.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	88		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D
Lims ID: 480-92744-A-18-C Lab Sample ID: 480-92744-18
Client ID: B36-POLEBARN-S2
Sample Type: Client
Inject. Date: 22-Dec-2015 01:19:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-18-C
Misc. Info.: 480-0049470-009
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 16:29:05 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 22-Dec-2015 15:08:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	356378	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	707882	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	538274	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	294789	53.5	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1603340	51.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	472827	43.8	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.247				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	95	170071	14.3	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43		6.396				ND	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76	6.767	6.773	-0.006	97	24992	0.6785	
31 Methylene Chloride	84		6.986				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	95	4613	0.4597	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	216876	9.73	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.525	8.526	-0.001	84	780063	71.7	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.350	10.345	0.005	94	386375	36.3	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	97	34543	1.37	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.711	12.711	0.000	91	1601251	165.9	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112	13.879	13.879	0.000	92	7890	0.2881	
89 Ethylbenzene	91	13.946	13.946	0.000	97	33077	0.7592	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	41933	2.27	
93 o-Xylene	106	14.639	14.633	0.006	95	9152	0.4924	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.005				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146	17.346	17.341	0.005	95	10571	0.5831	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1				0		2.76	

Reagents:

P 8260 IS_00119	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00157	Amount Added:	1.00	Units: uL	Run Reagent

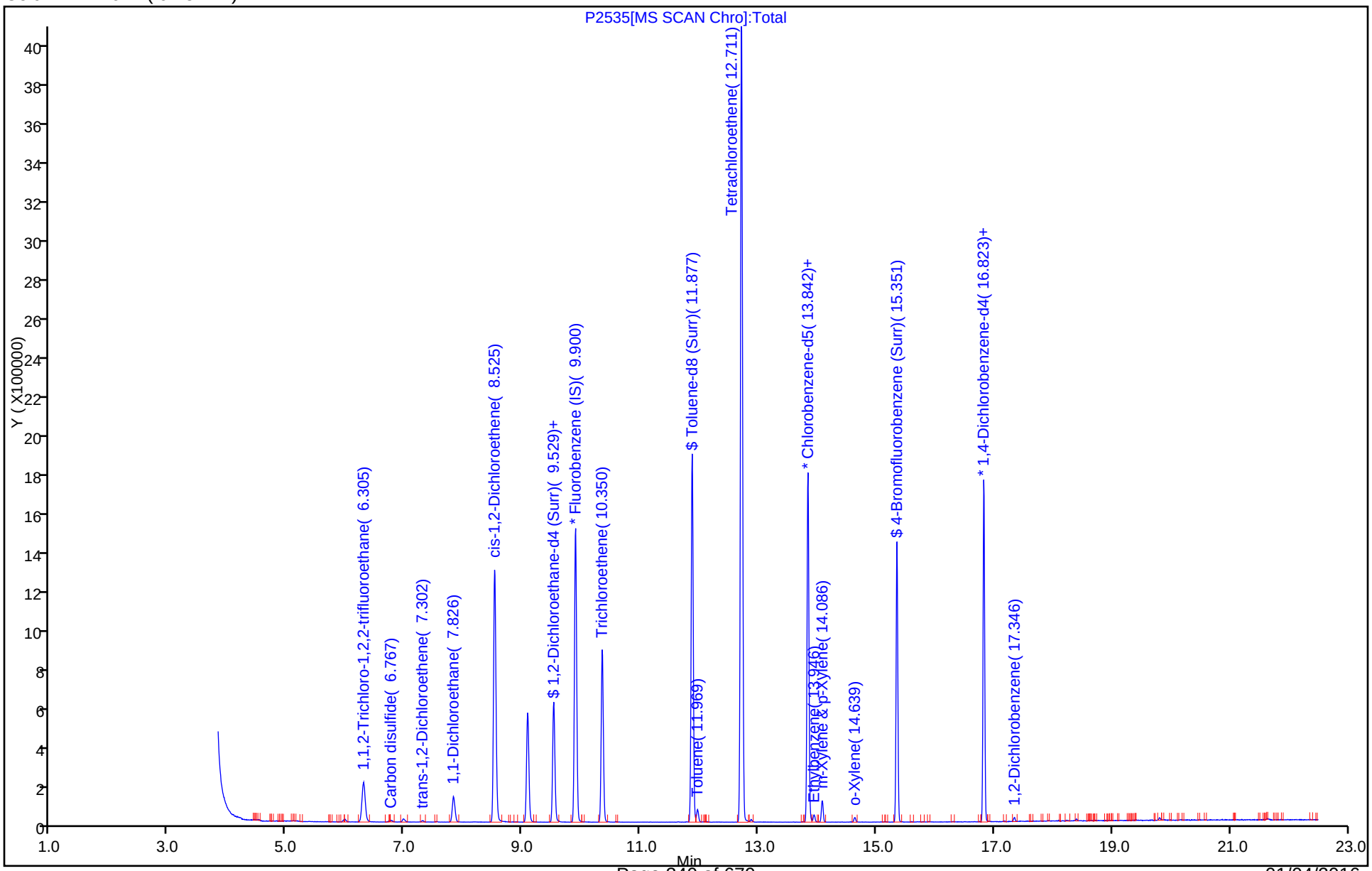
Report Date: 22-Dec-2015 16:29:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D

Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18	Worklist Smp#:	9
Client ID:	B36-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



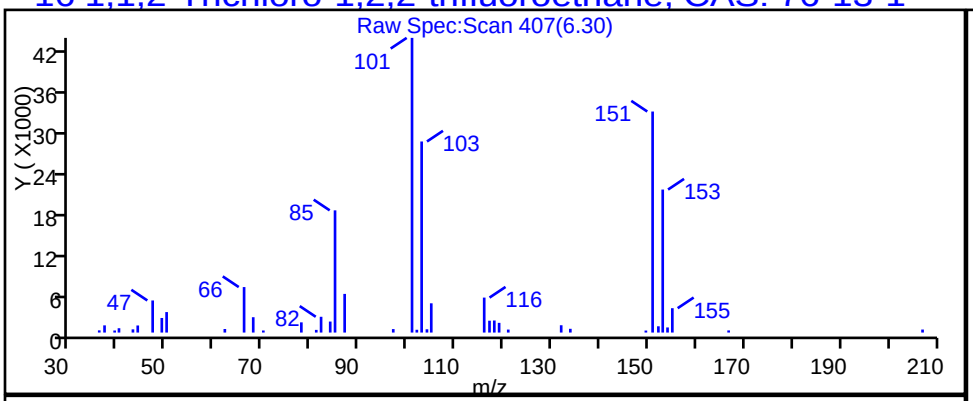
Report Date: 22-Dec-2015 16:29:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

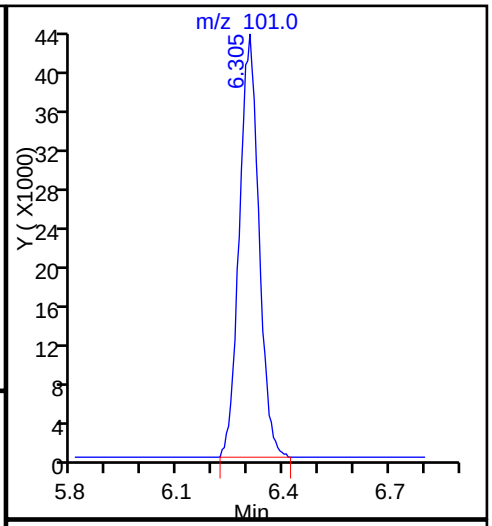
TestAmerica Buffalo

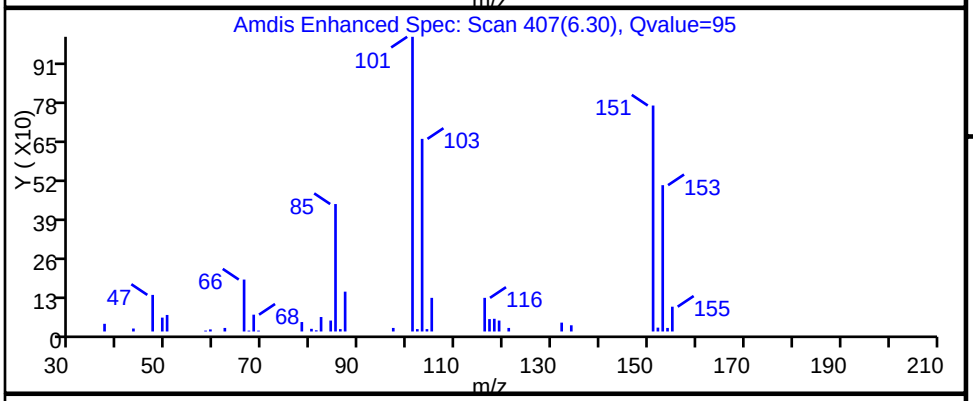
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D

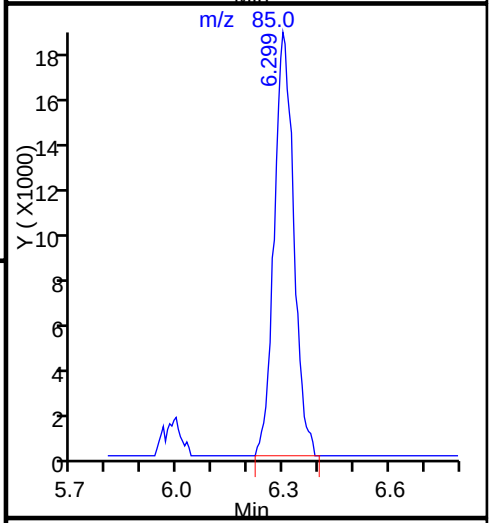
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

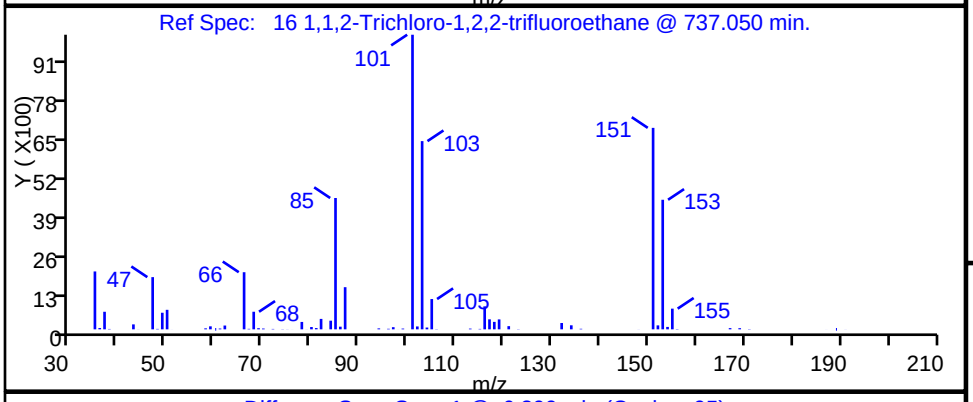
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

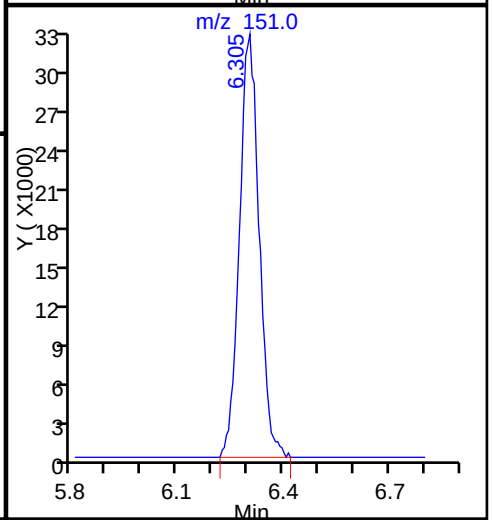


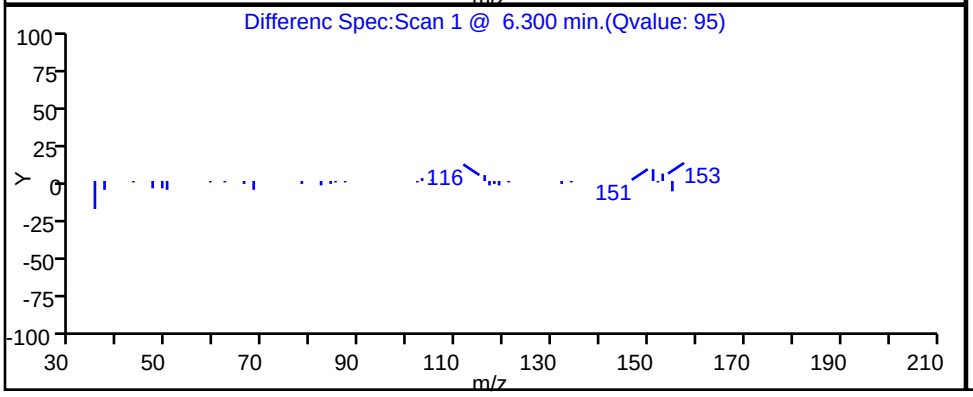










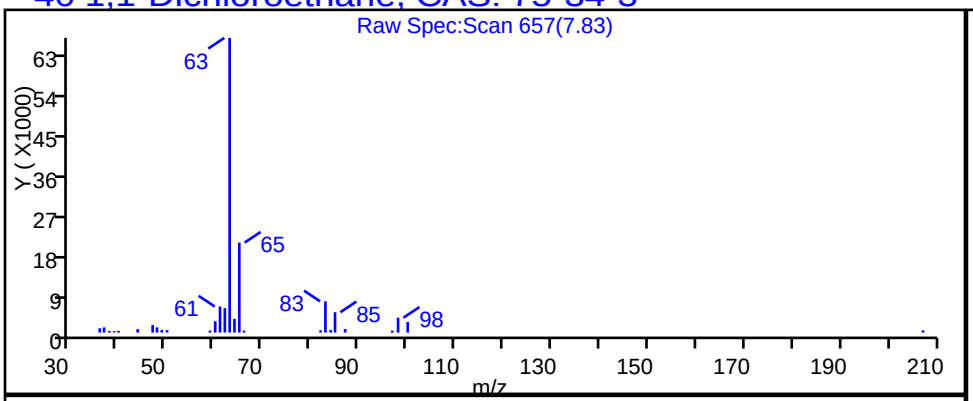


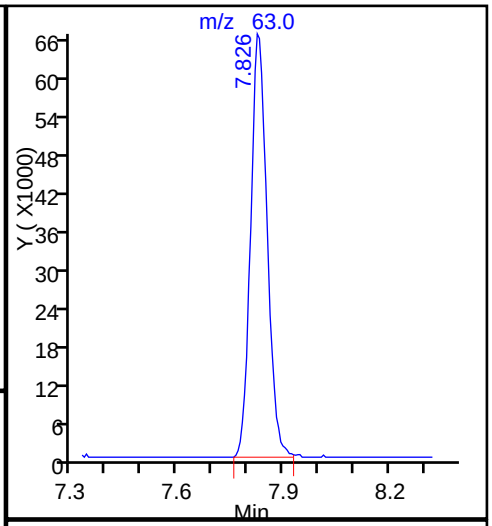
TestAmerica Buffalo

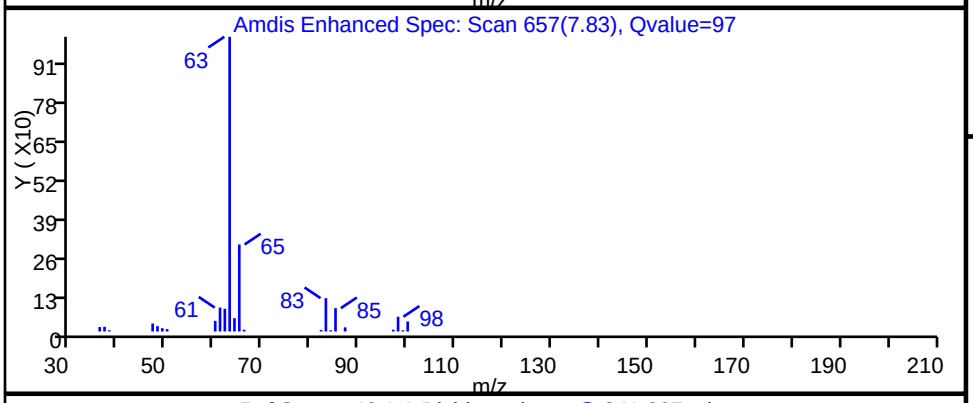
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D

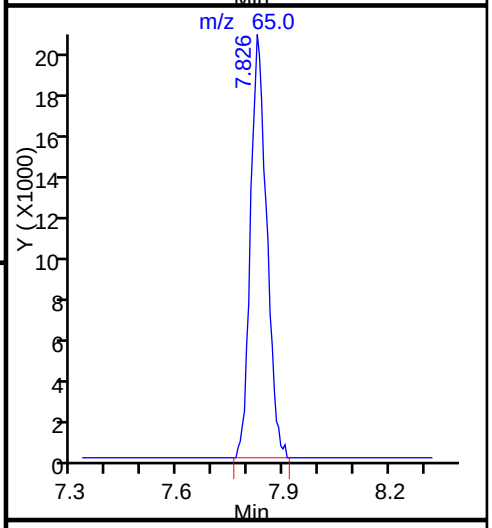
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18
Client ID:	B36-POLEBARN-S2		
Operator ID:	NMD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

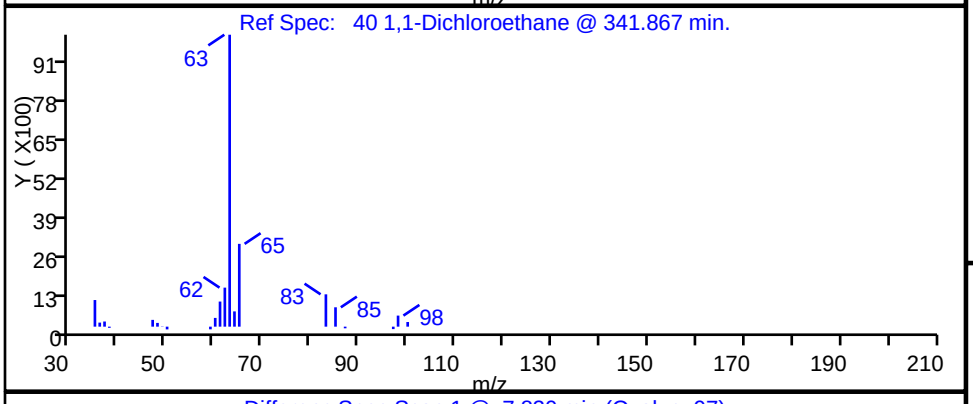
40 1,1-Dichloroethane, CAS: 75-34-3

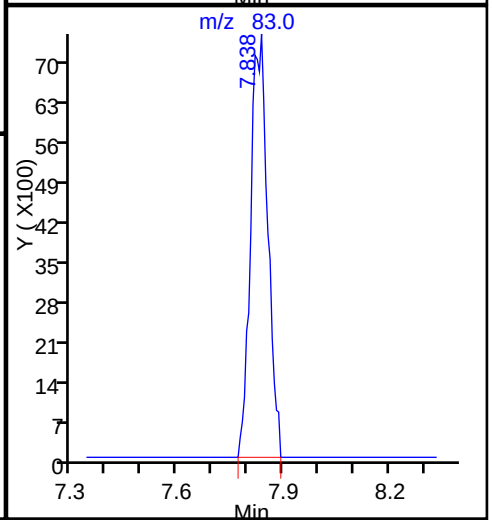


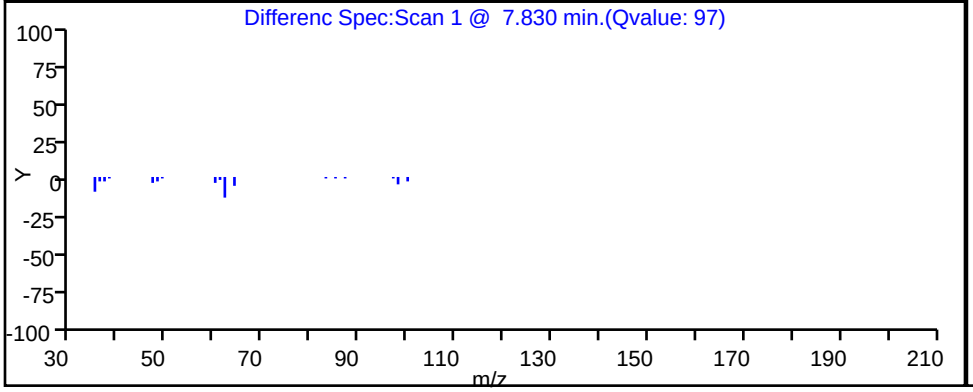








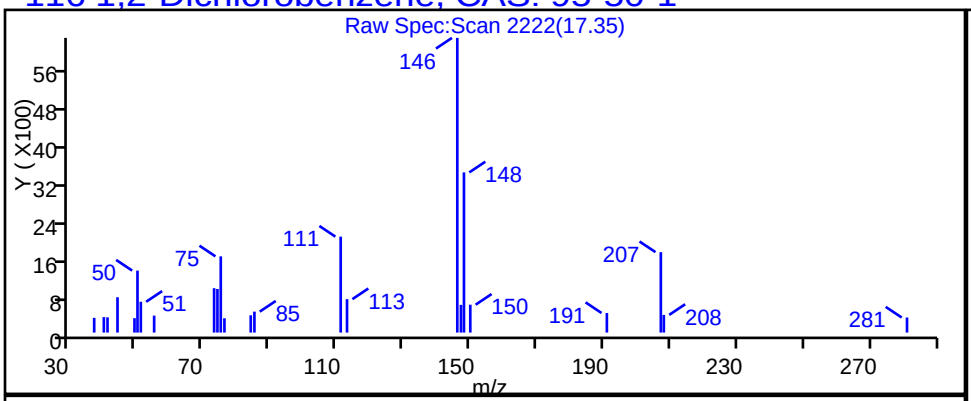


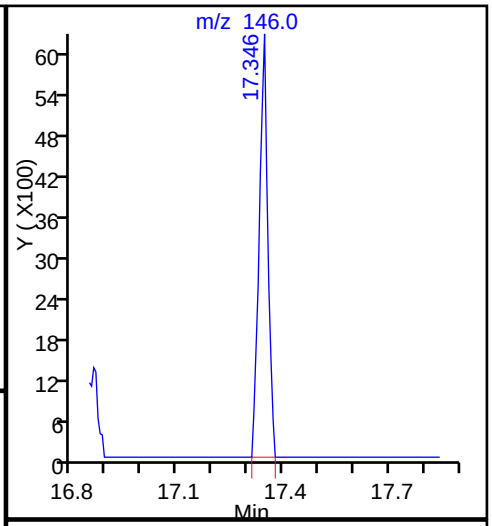


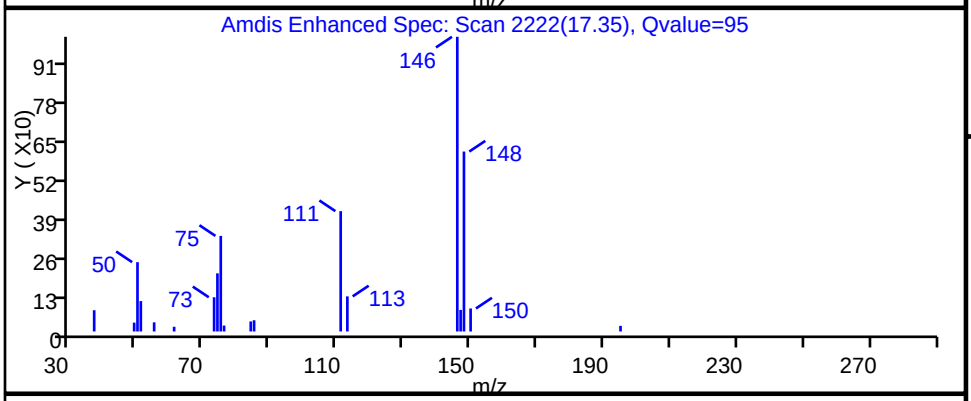
TestAmerica Buffalo

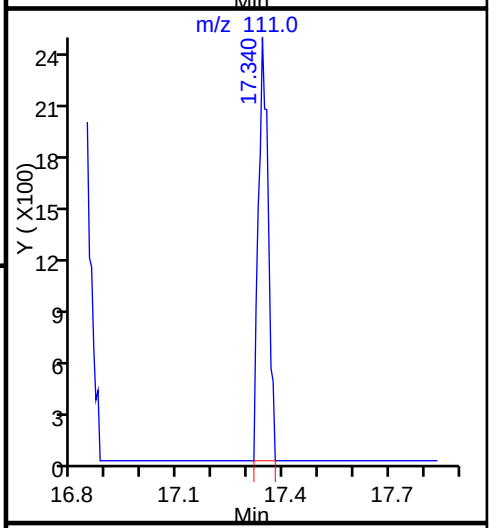
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D				
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

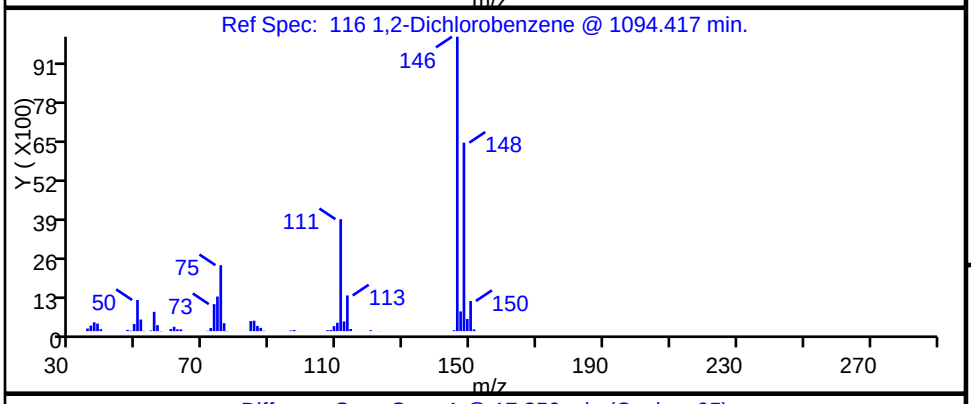
116 1,2-Dichlorobenzene, CAS: 95-50-1

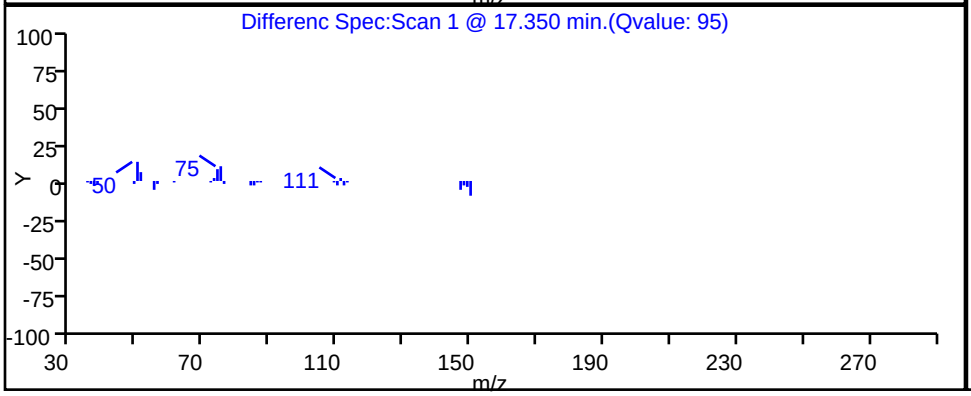


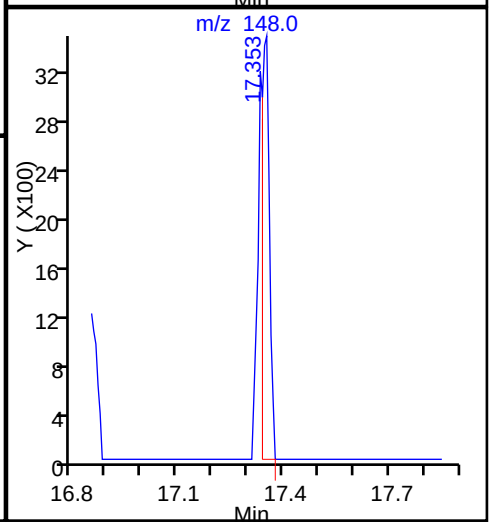










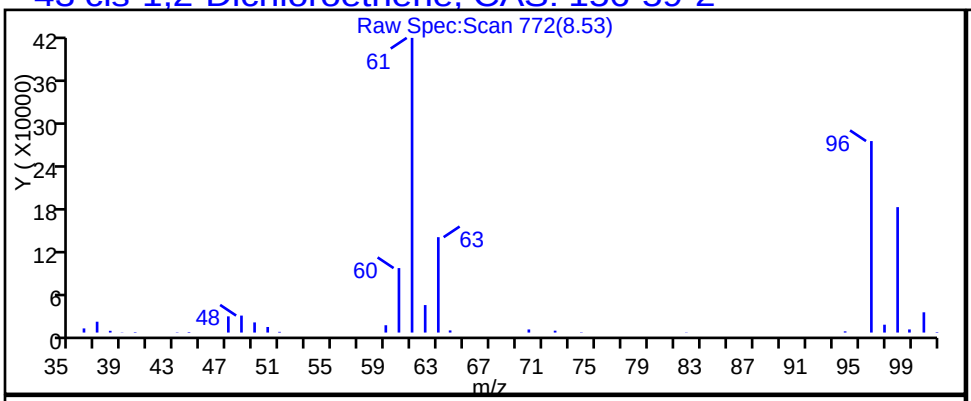


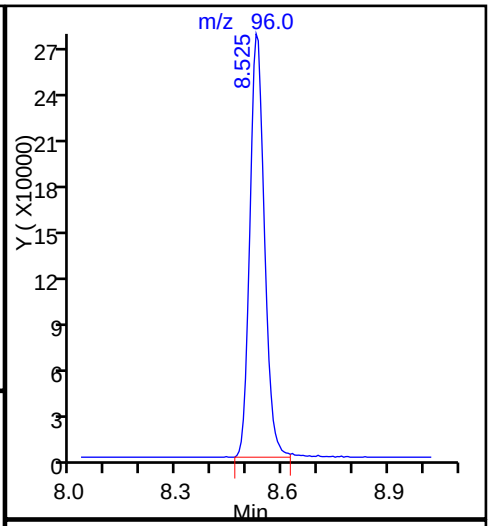
TestAmerica Buffalo

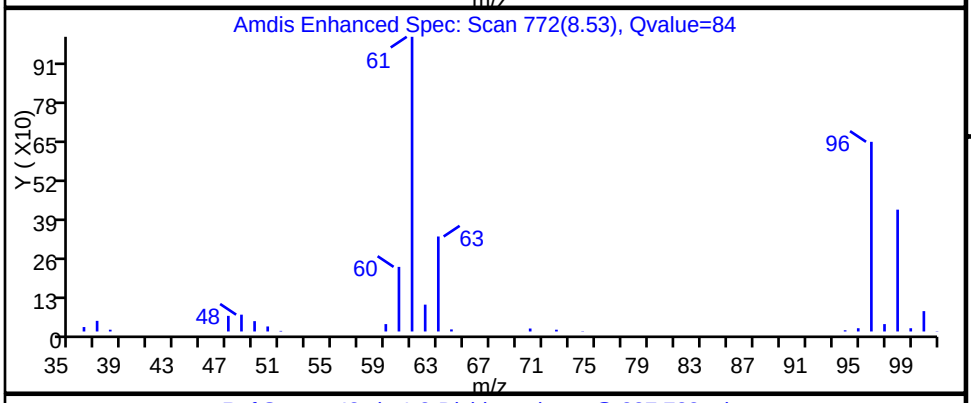
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D

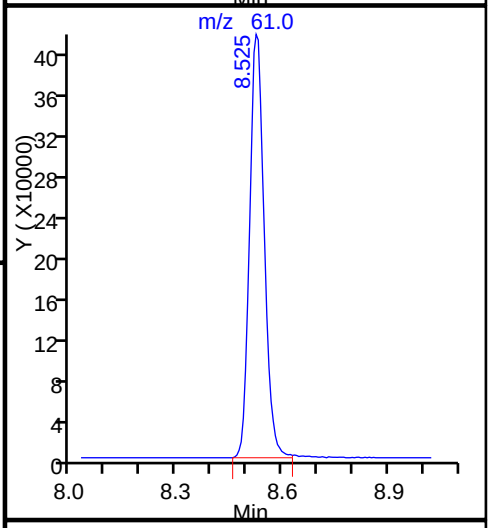
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

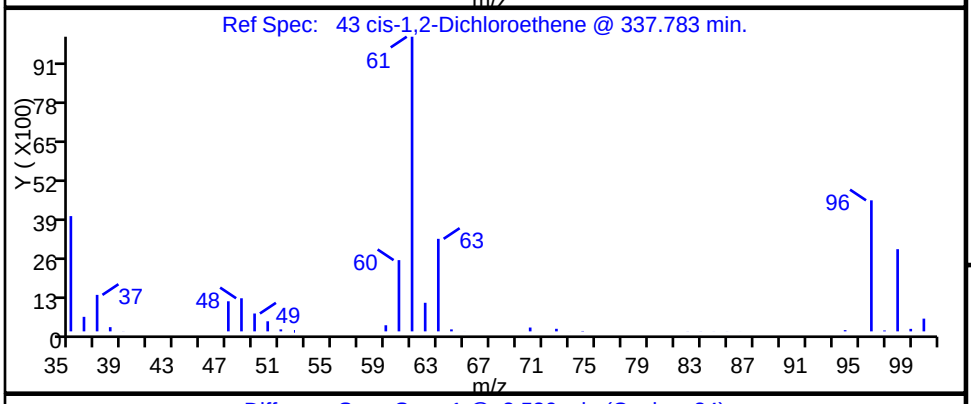
43 cis-1,2-Dichloroethene, CAS: 156-59-2

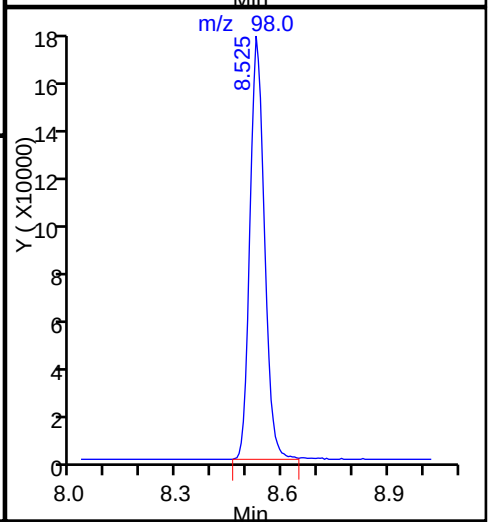


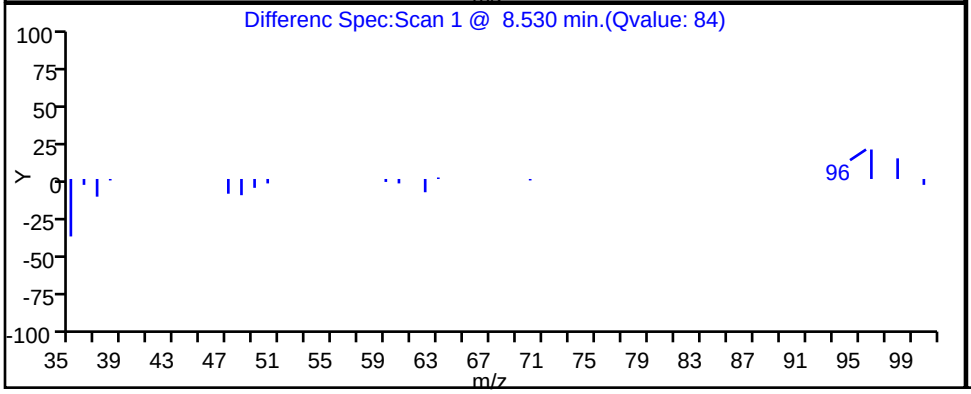








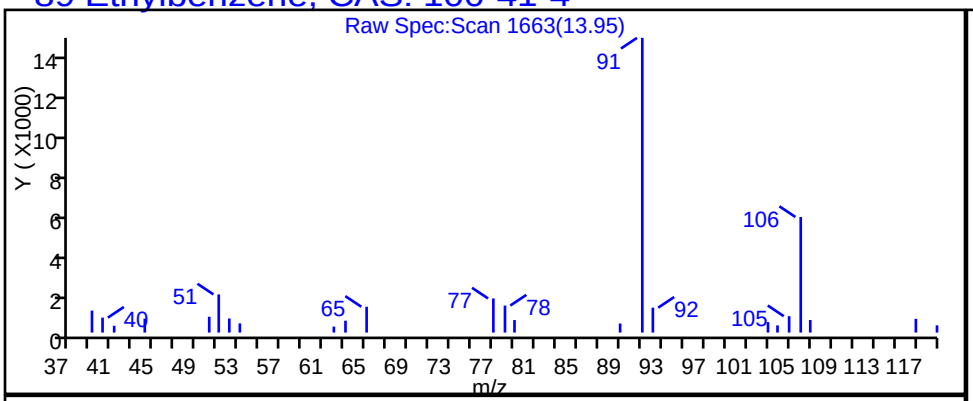


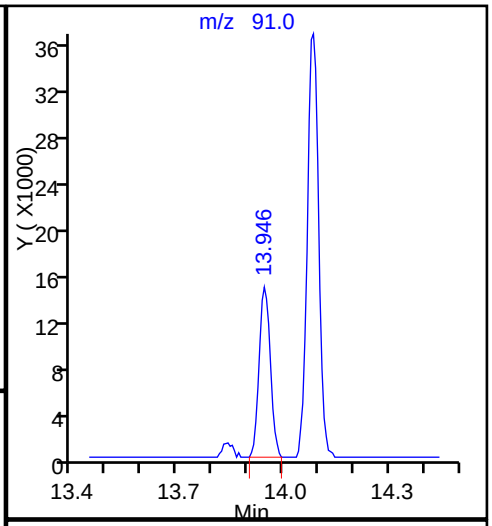


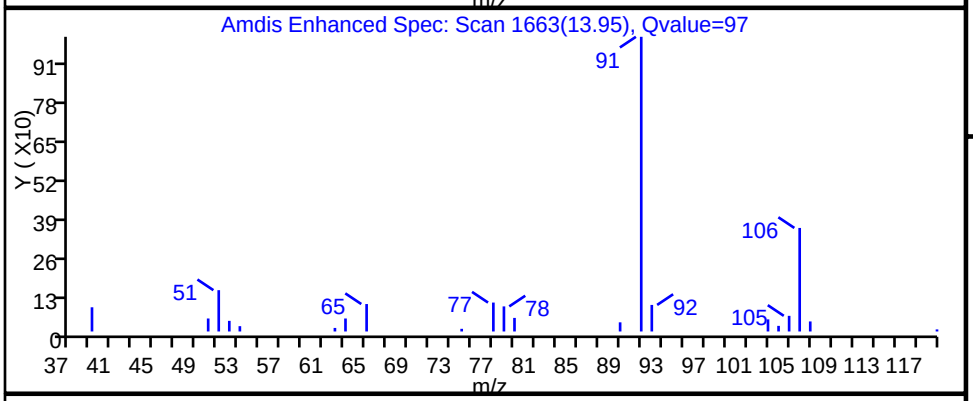
TestAmerica Buffalo

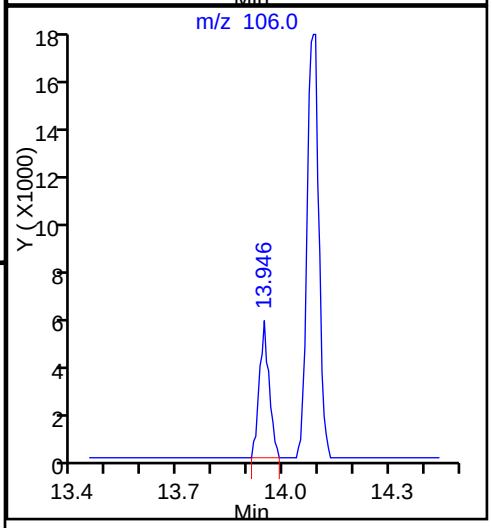
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D				
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

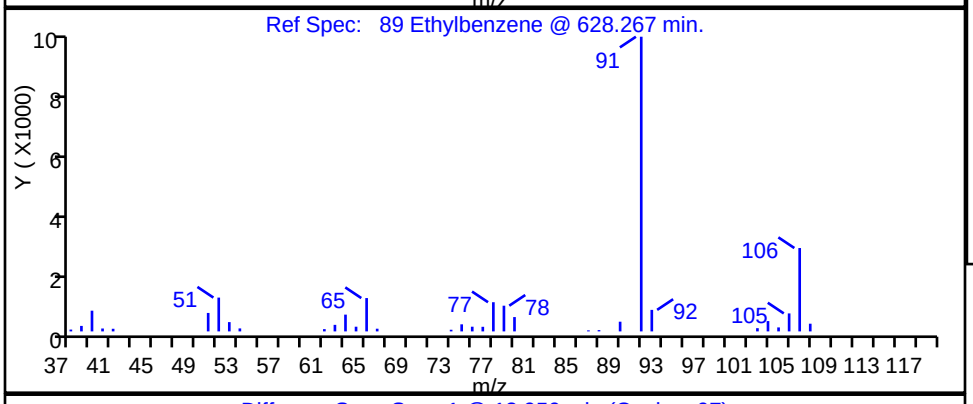
89 Ethylbenzene, CAS: 100-41-4

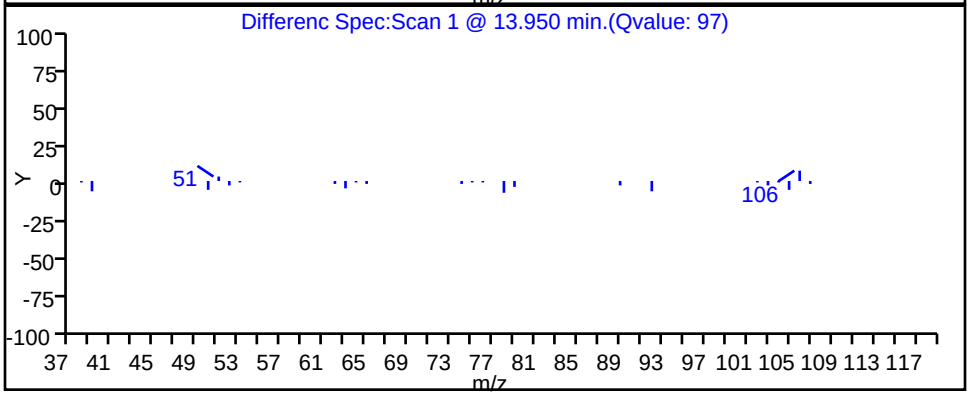








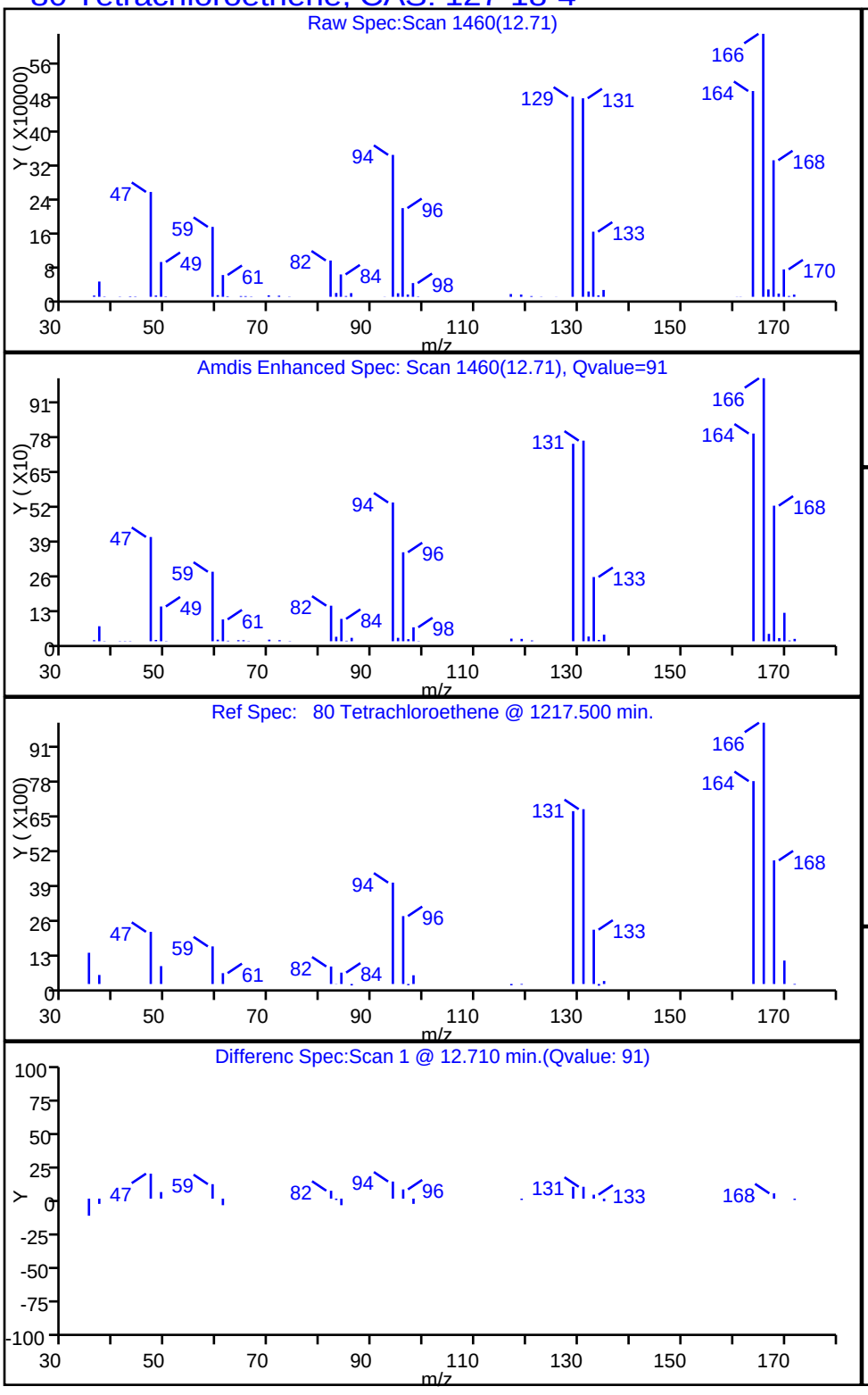


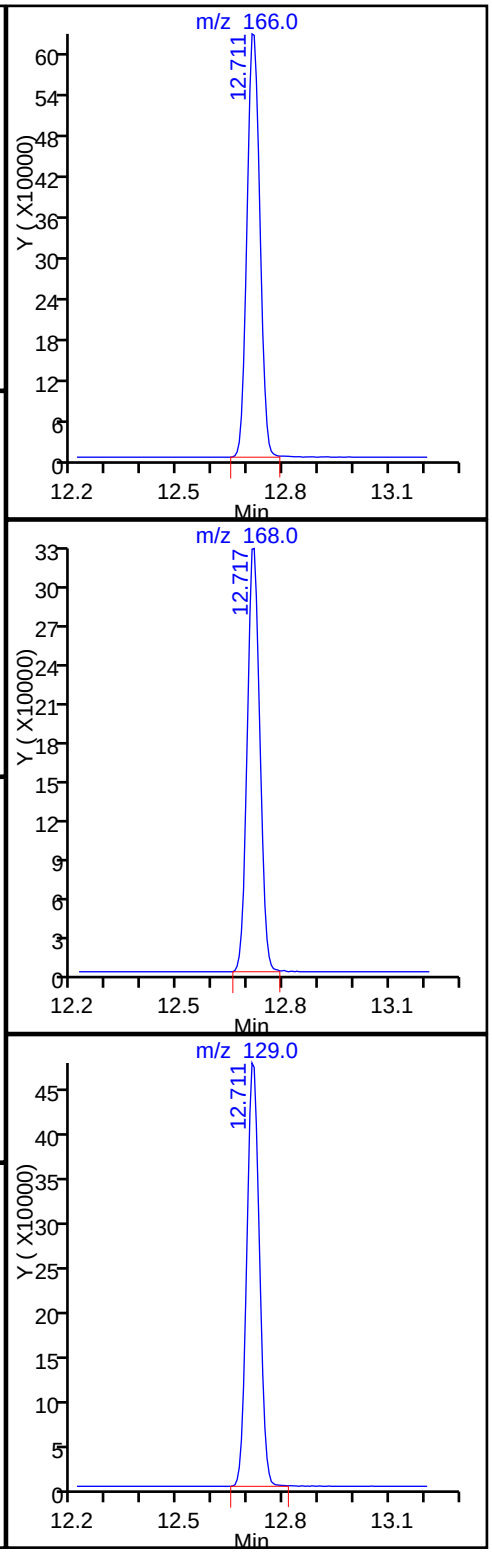


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D		
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18
Client ID:	B36-POLEBARN-S2		
Operator ID:	NMD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

80 Tetrachloroethene, CAS: 127-18-4

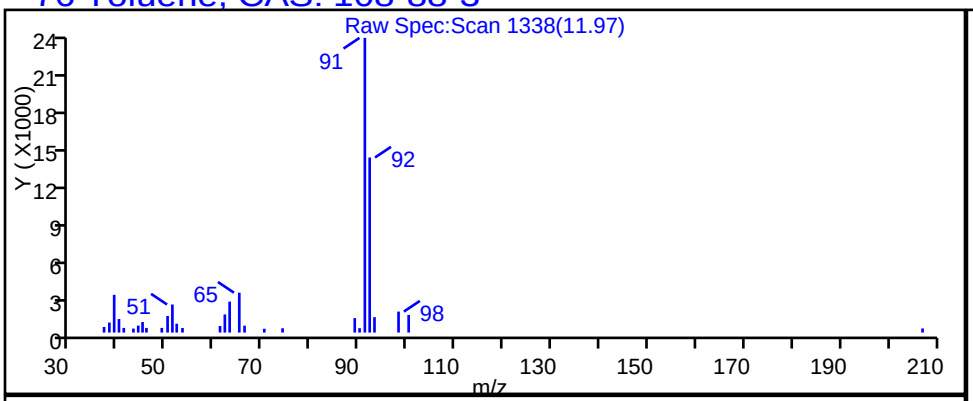


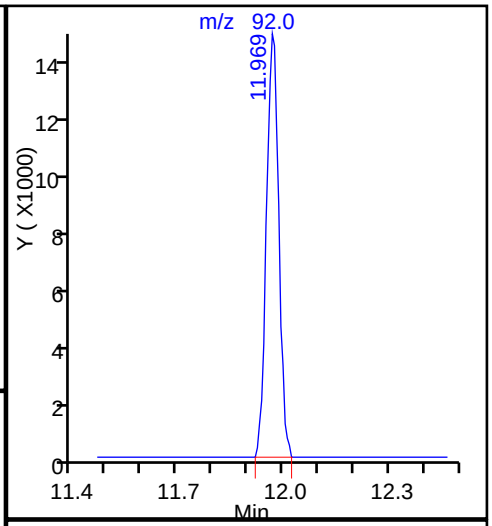


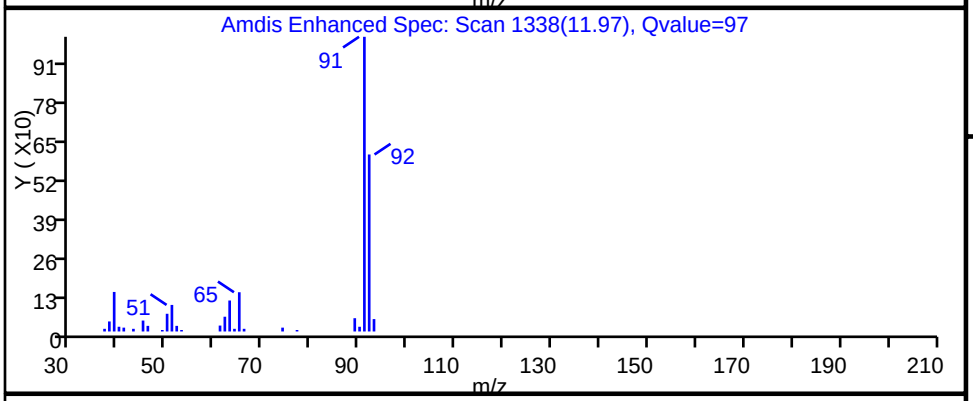
TestAmerica Buffalo

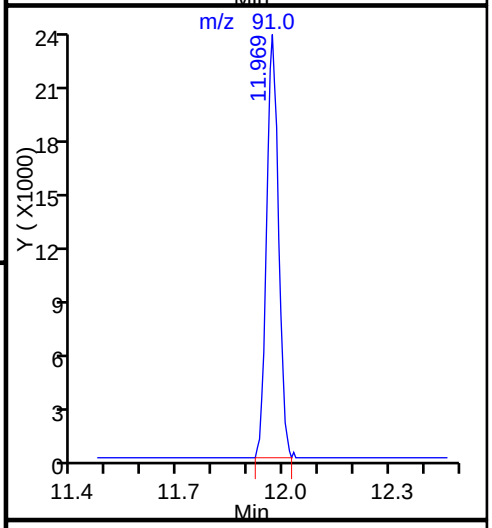
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D				
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

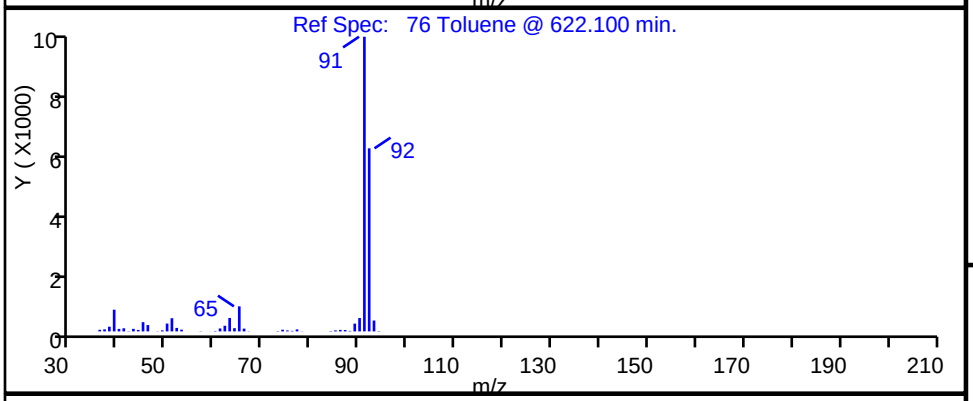
76 Toluene, CAS: 108-88-3

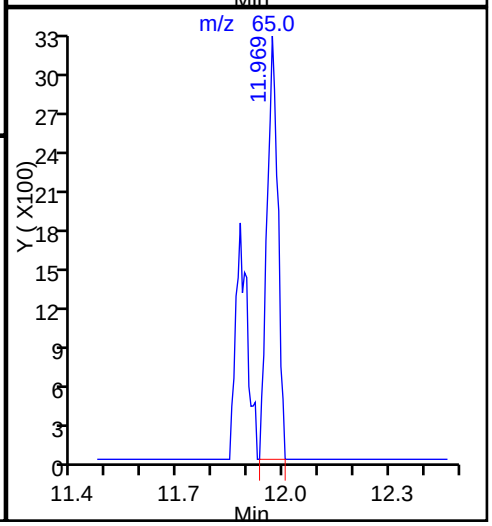


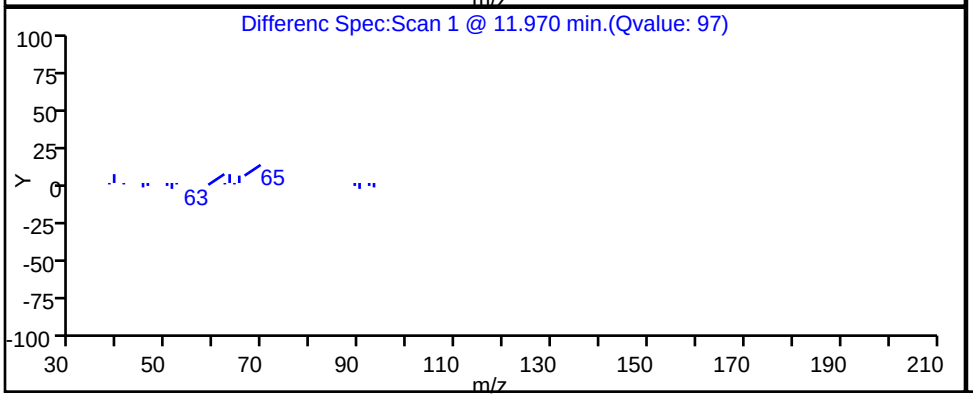








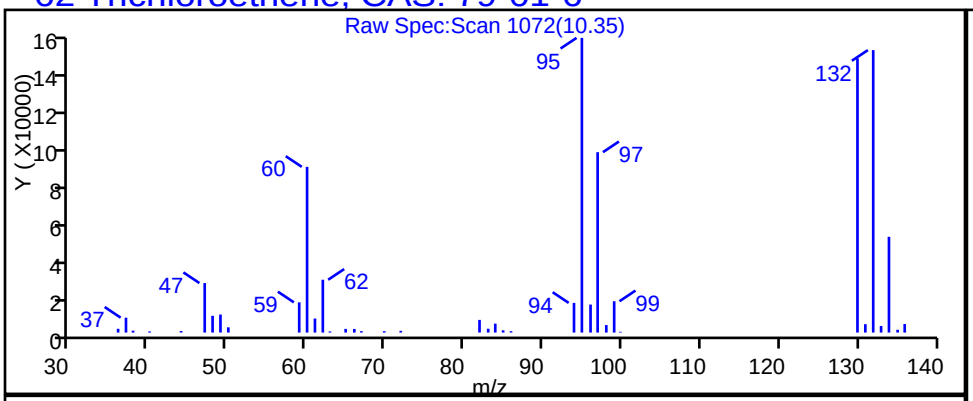


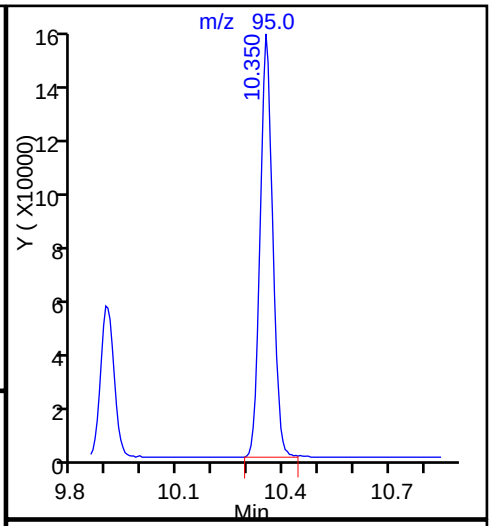


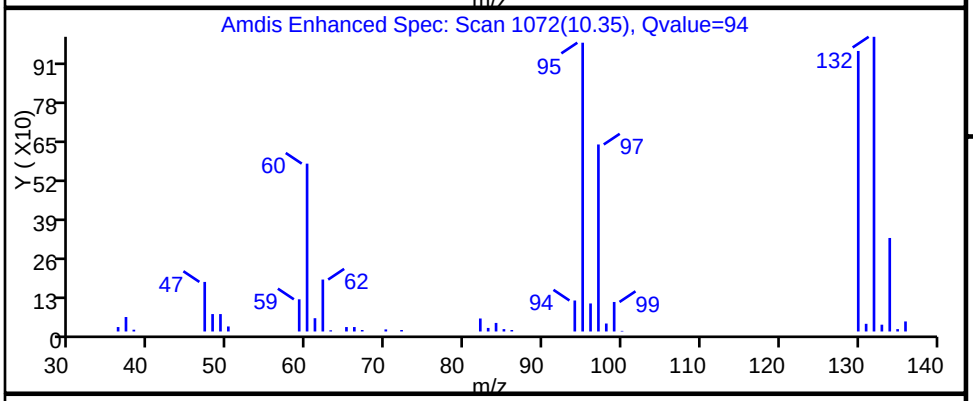
TestAmerica Buffalo

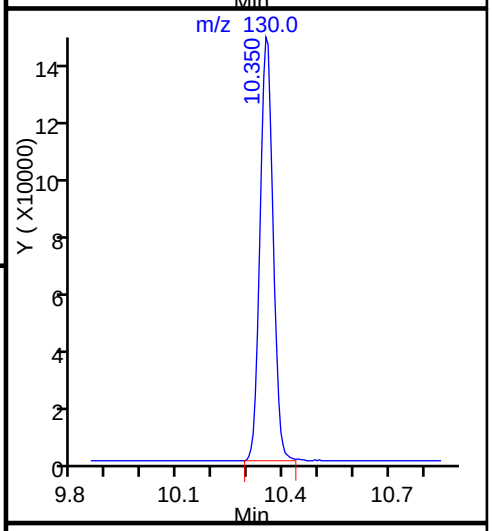
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D				
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

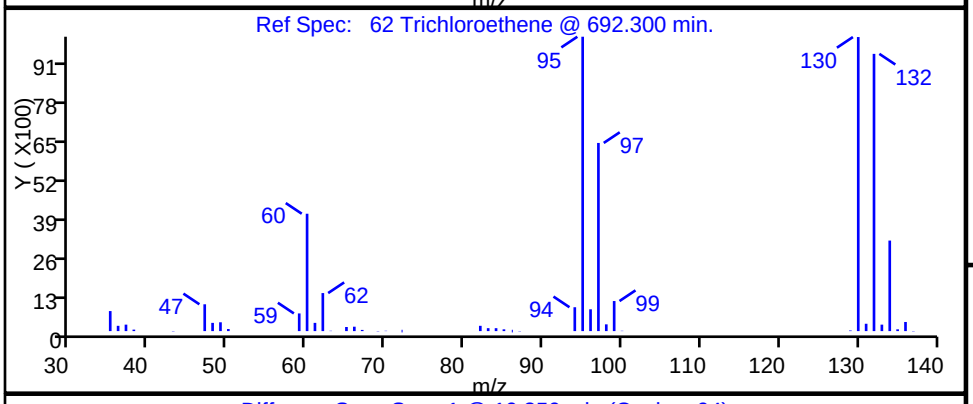
62 Trichloroethene, CAS: 79-01-6

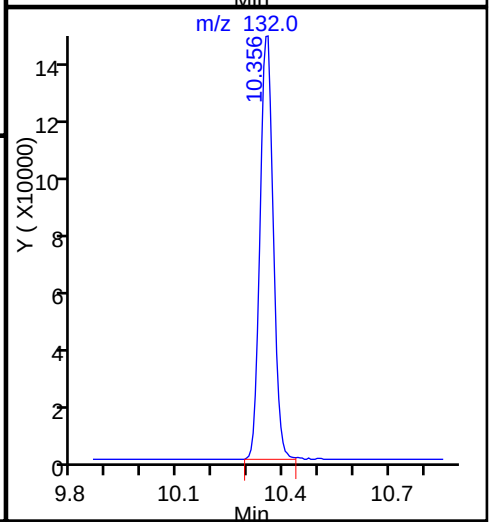


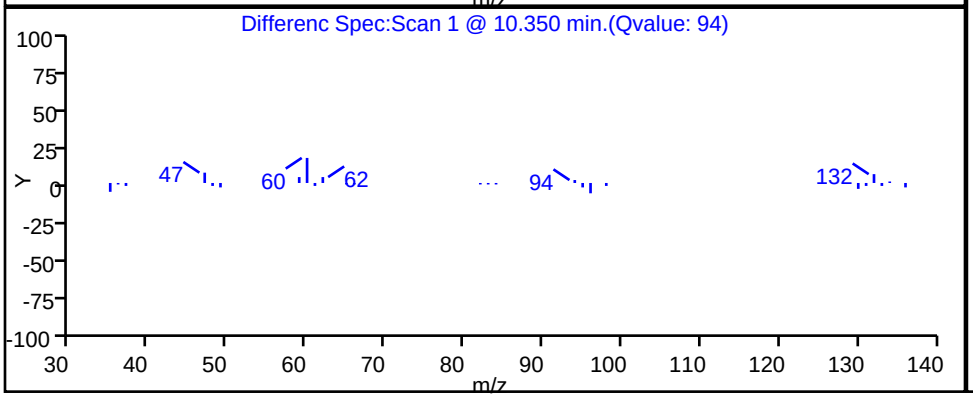








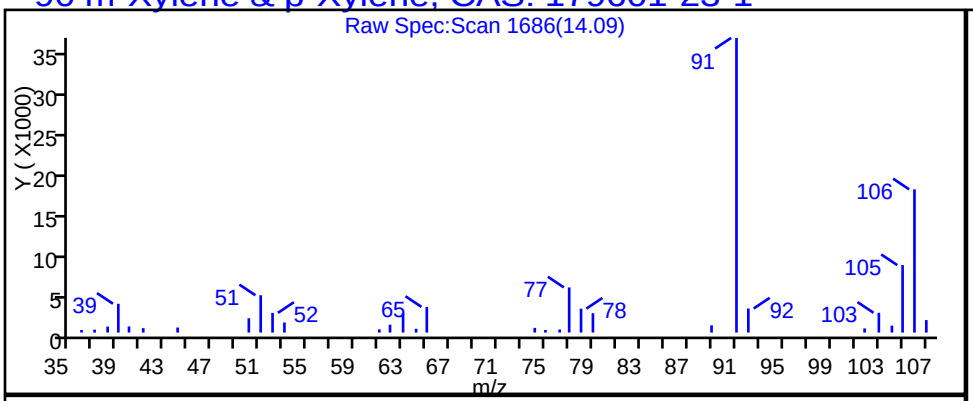


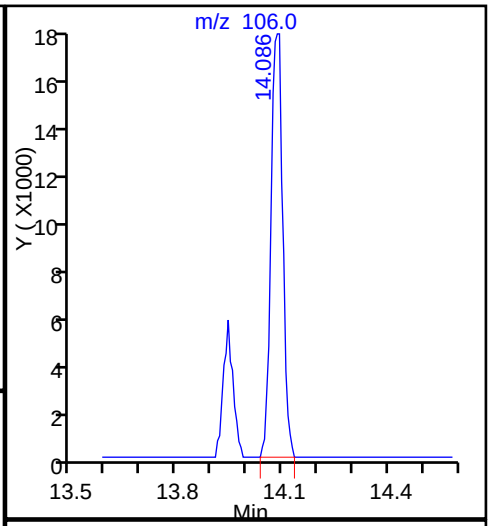


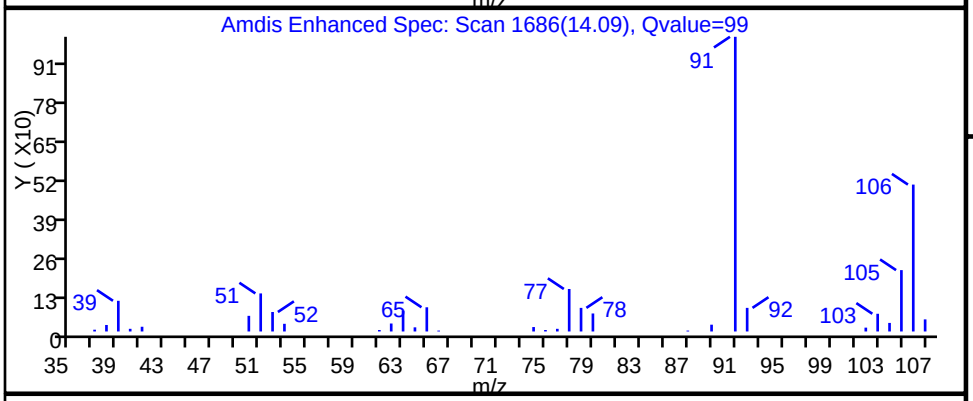
TestAmerica Buffalo

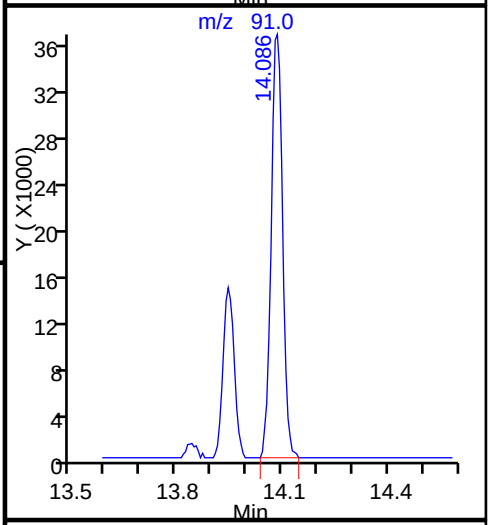
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D				
Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

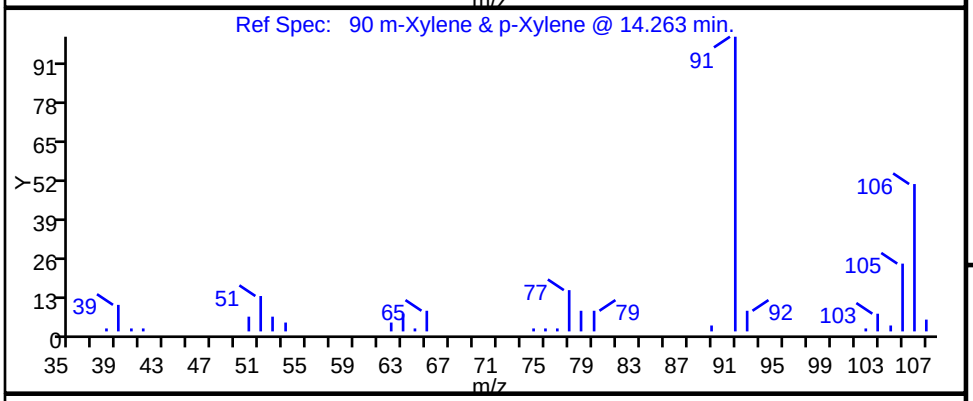
90 m-Xylene & p-Xylene, CAS: 179601-23-1

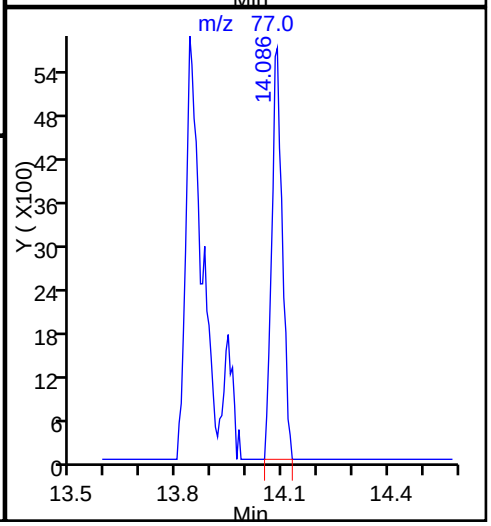


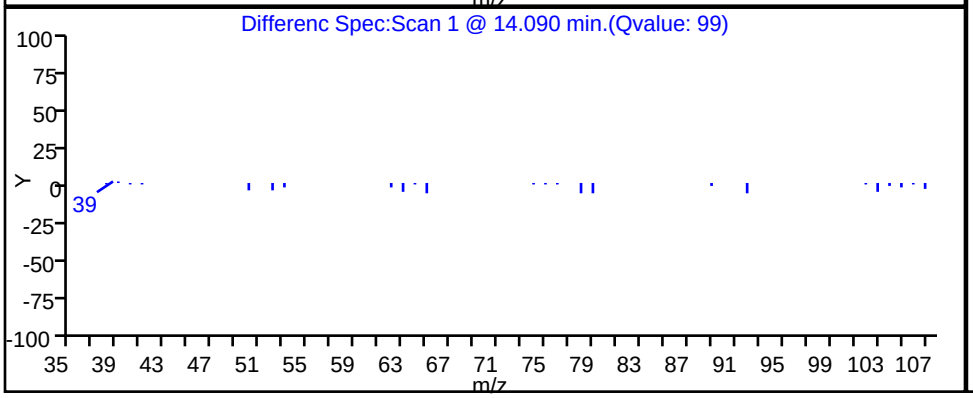












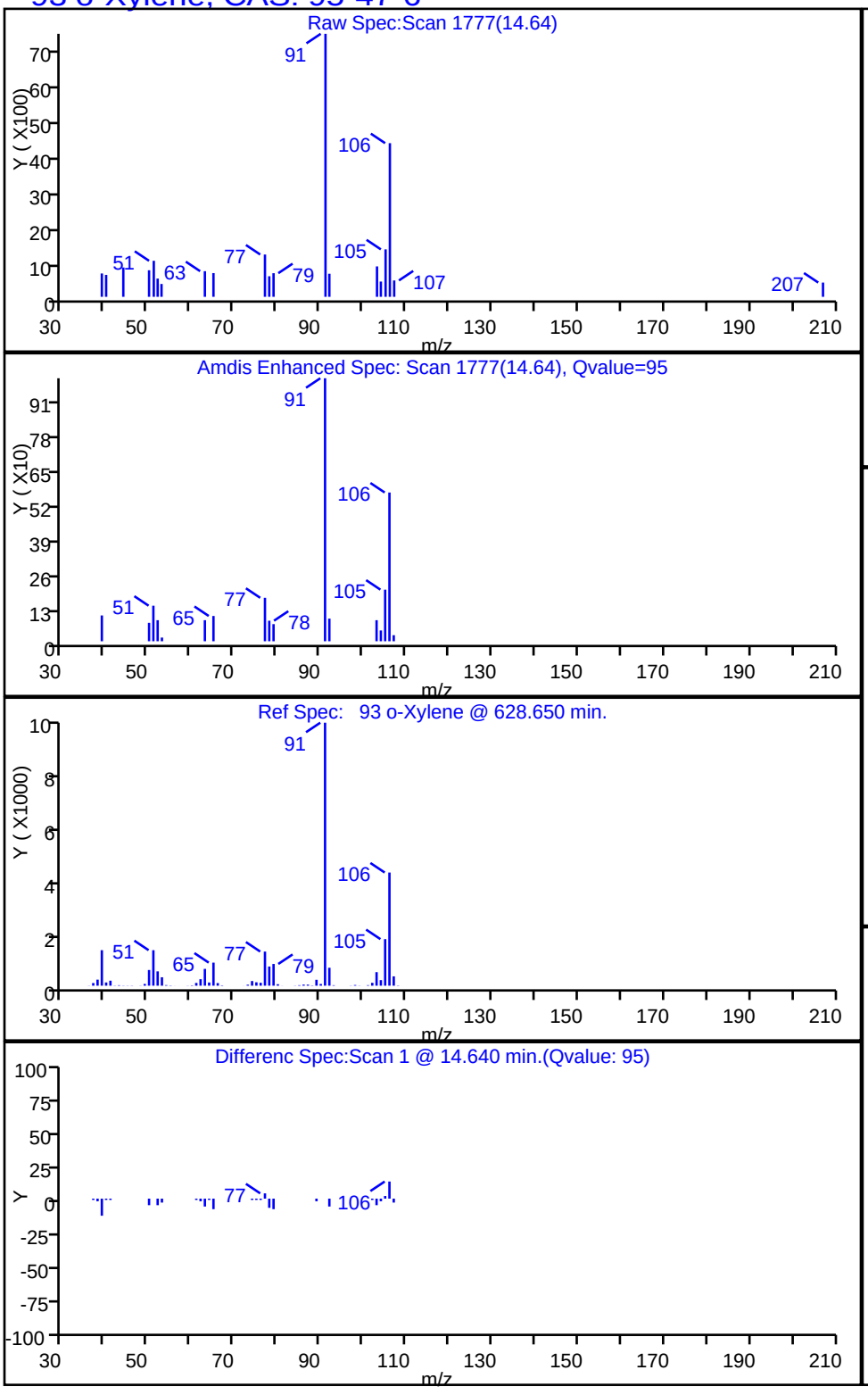
Report Date: 22-Dec-2015 16:29:11 Chrom Revision: 2.2 02-Dec-2015 11:51:48

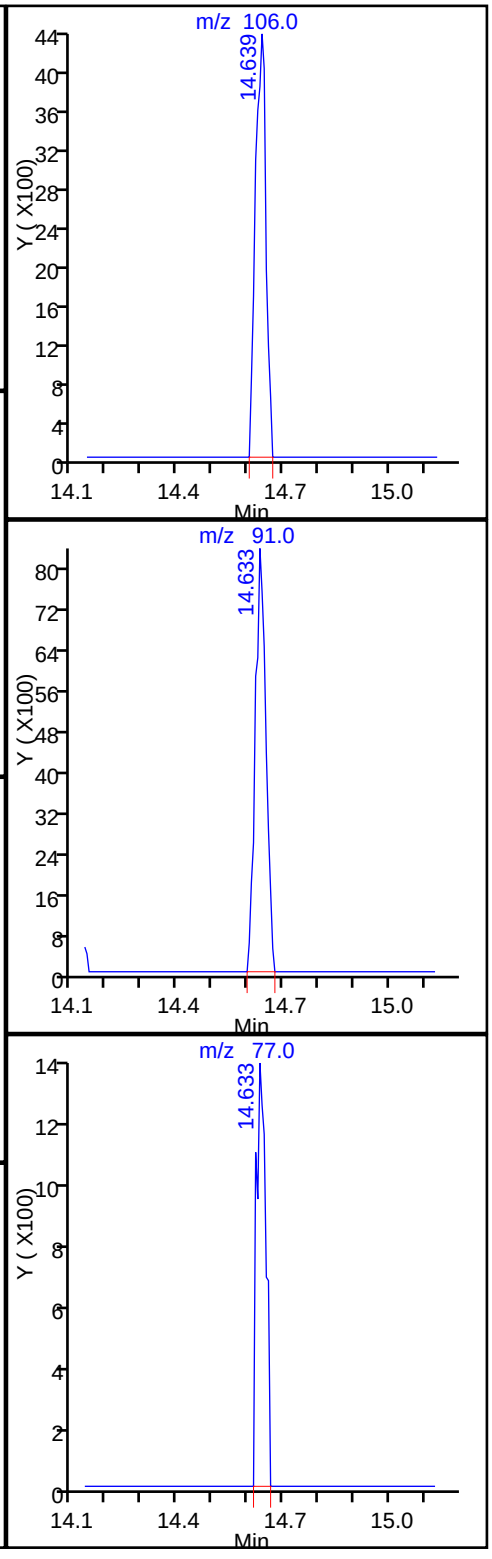
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2535.D

Injection Date:	22-Dec-2015 01:19:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-18-C	Lab Sample ID:	480-92744-18		
Client ID:	B36-POLEBARN-S2				
Operator ID:	NMD	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

93 o-Xylene, CAS: 95-47-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B36-POLEBARN-S3 | Lab Sample ID: 480-92744-19

Matrix: Solid | Lab File ID: P2536.D

Analysis Method: 8260C | Date Collected: 12/15/2015 10:20

Sample wt/vol: 5.14(g) | Date Analyzed: 12/22/2015 01:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 26.2 | Level: (low/med) Low

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.6	0.48
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.6	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.6	1.5
79-00-5	1,1,2-Trichloroethane	ND		6.6	0.86
75-34-3	1,1-Dichloroethane	ND		6.6	0.80
75-35-4	1,1-Dichloroethene	ND		6.6	0.81
120-82-1	1,2,4-Trichlorobenzene	ND		6.6	0.40
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.6	3.3
106-93-4	1,2-Dibromoethane	ND		6.6	0.85
95-50-1	1,2-Dichlorobenzene	ND		6.6	0.52
107-06-2	1,2-Dichloroethane	ND		6.6	0.33
78-87-5	1,2-Dichloropropane	ND		6.6	3.3
541-73-1	1,3-Dichlorobenzene	ND		6.6	0.34
106-46-7	1,4-Dichlorobenzene	ND		6.6	0.92
78-93-3	2-Butanone (MEK)	ND		33	2.4
591-78-6	2-Hexanone	ND		33	3.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		33	2.2
67-64-1	Acetone	16	J B	33	5.6
71-43-2	Benzene	ND		6.6	0.32
75-27-4	Bromodichloromethane	ND		6.6	0.88
75-25-2	Bromoform	ND		6.6	3.3
74-83-9	Bromomethane	ND		6.6	0.59
75-15-0	Carbon disulfide	ND		6.6	3.3
56-23-5	Carbon tetrachloride	ND		6.6	0.64
108-90-7	Chlorobenzene	ND		6.6	0.87
75-00-3	Chloroethane	ND		6.6	1.5
67-66-3	Chloroform	ND		6.6	0.41
74-87-3	Chloromethane	ND		6.6	0.40
156-59-2	cis-1,2-Dichloroethene	4.1	J	6.6	0.84
10061-01-5	cis-1,3-Dichloropropene	ND		6.6	0.95
110-82-7	Cyclohexane	ND		6.6	0.92
124-48-1	Dibromochloromethane	ND		6.6	0.84
75-71-8	Dichlorodifluoromethane	ND		6.6	0.54
100-41-4	Ethylbenzene	ND		6.6	0.46
98-82-8	Isopropylbenzene	ND		6.6	0.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B36-POLEBARN-S3 | Lab Sample ID: 480-92744-19

Matrix: Solid | Lab File ID: P2536.D

Analysis Method: 8260C | Date Collected: 12/15/2015 10:20

Sample wt/vol: 5.14(g) | Date Analyzed: 12/22/2015 01:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 26.2 | Level: (low/med) Low

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.6	4.0
1634-04-4	Methyl tert-butyl ether	ND		6.6	0.65
108-87-2	Methylcyclohexane	ND		6.6	1.0
75-09-2	Methylene Chloride	ND		6.6	3.0
100-42-5	Styrene	ND		6.6	0.33
127-18-4	Tetrachloroethene	ND		6.6	0.88
108-88-3	Toluene	ND		6.6	0.50
156-60-5	trans-1,2-Dichloroethene	ND		6.6	0.68
10061-02-6	trans-1,3-Dichloropropene	ND		6.6	2.9
79-01-6	Trichloroethene	ND		6.6	1.5
75-69-4	Trichlorofluoromethane	ND		6.6	0.62
75-01-4	Vinyl chloride	ND		6.6	0.80
1330-20-7	Xylenes, Total	ND		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2536.D
Lims ID: 480-92744-A-19-C Lab Sample ID: 480-92744-19
Client ID: B36-POLEBARN-S3
Sample Type: Client
Inject. Date: 22-Dec-2015 01:46:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-19-C
Misc. Info.: 480-0049470-010
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 16:29:05 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: cwiklinc Date: 22-Dec-2015 15:35:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.900	0.000	98	337952	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	89	665558	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.823	0.001	97	621554	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	287011	54.9	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	1510194	51.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	479387	47.3	
10 Dichlorodifluoromethane	85		4.042				ND	
11 Chloromethane	50		4.340				ND	
17 Vinyl chloride	62		4.571				ND	
12 Bromomethane	94		5.119				ND	
13 Chloroethane	64		5.247				ND	
14 Trichlorofluoromethane	101		5.672				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305				ND	
25 1,1-Dichloroethene	96		6.378				ND	
24 Acetone	43	6.402	6.396	0.006	96	45530	11.8	
30 Methyl acetate	43		6.767				ND	
27 Carbon disulfide	76		6.773				ND	
31 Methylene Chloride	84		6.986				ND	
32 Methyl tert-butyl ether	73		7.224				ND	
35 trans-1,2-Dichloroethene	96		7.303				ND	
40 1,1-Dichloroethane	63	7.838	7.826	0.012	90	4630	0.2190	
44 2-Butanone (MEK)	43		8.471				ND	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	84	31771	3.08	
49 Chloroform	83		8.878				ND	
52 1,1,1-Trichloroethane	97		9.140				ND	
54 Cyclohexane	56		9.213				ND	
55 Carbon tetrachloride	117		9.353				ND	
57 Benzene	78		9.596				ND	
60 1,2-Dichloroethane	62		9.621				ND	
62 Trichloroethene	95	10.357	10.345	0.012	90	5804	0.5751	
64 Methylcyclohexane	83		10.588				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		10.661				ND	
70 Dichlorobromomethane	83		10.989				ND	
73 cis-1,3-Dichloropropene	75		11.525				ND	
75 4-Methyl-2-pentanone (MIBK	43		11.634				ND	
76 Toluene	92	11.969	11.969	0.000	95	8046	0.3404	
78 trans-1,3-Dichloropropene	75		12.230				ND	
79 1,1,2-Trichloroethane	83		12.510				ND	
80 Tetrachloroethene	166	12.723	12.711	0.012	79	3819	0.4208	
83 2-Hexanone	43		12.723				ND	
81 Chlorodibromomethane	129		13.094				ND	
85 Ethylene Dibromide	107		13.295				ND	
87 Chlorobenzene	112		13.879				ND	
89 Ethylbenzene	91	13.946	13.946	0.000	95	8507	0.2077	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	98	7422	0.4275	
93 o-Xylene	106		14.633				ND	
94 Styrene	104		14.652				ND	
92 Bromoform	173		15.005				ND	
95 Isopropylbenzene	105		15.078				ND	
97 1,1,2,2-Tetrachloroethane	83		15.503				ND	
110 1,3-Dichlorobenzene	146		16.751				ND	
111 1,4-Dichlorobenzene	146		16.860				ND	
116 1,2-Dichlorobenzene	146		17.341				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326				ND	
119 1,2,4-Trichlorobenzene	180		19.403				ND	
S 126 Xylenes, Total	1				0		0.4275	

Reagents:

P 8260 IS_00119	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00157	Amount Added:	1.00	Units: uL	Run Reagent

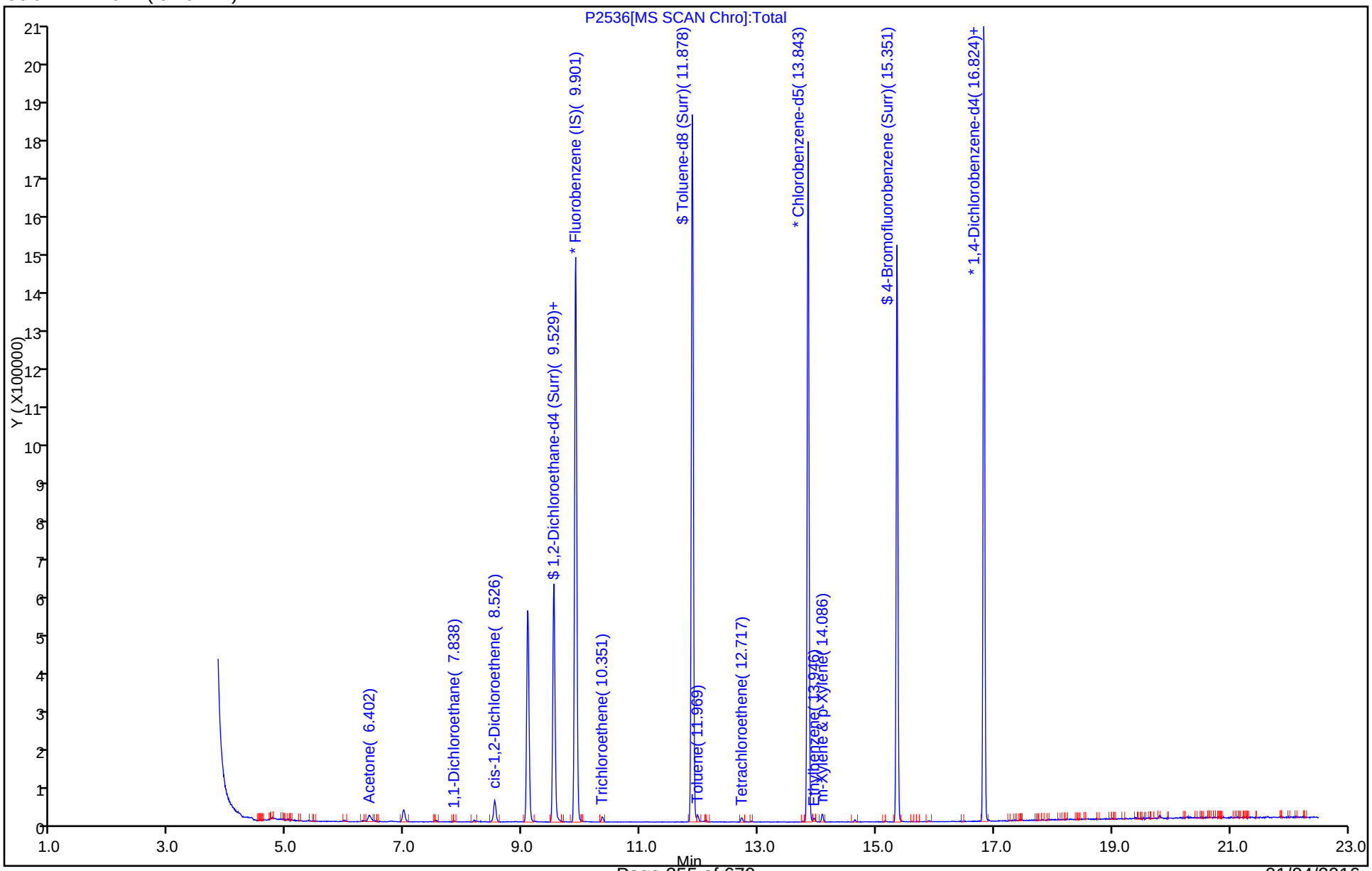
Report Date: 22-Dec-2015 16:29:12 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2536.D

Injection Date:	22-Dec-2015 01:46:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	480-92744-A-19-C	Lab Sample ID:	480-92744-19	Worklist Smp#:	10
Client ID:	B36-POLEBARN-S3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

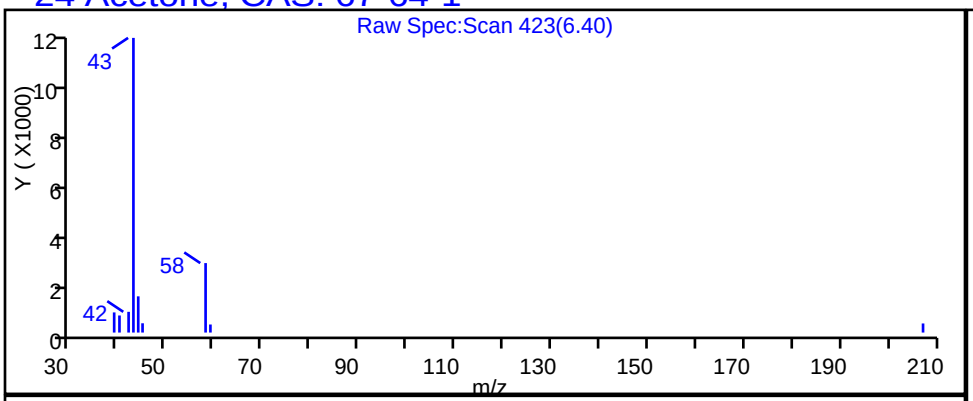
Column: ZB-624 (0.25 mm)

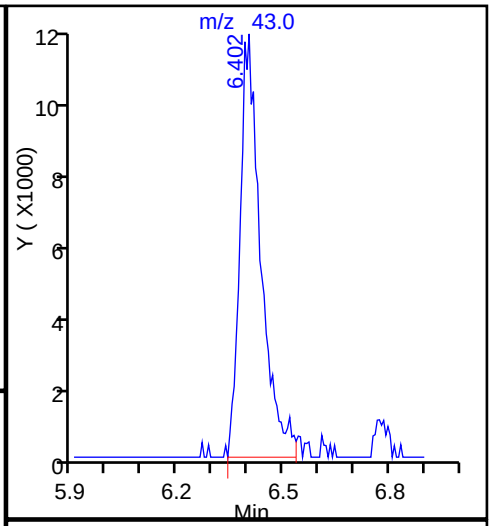


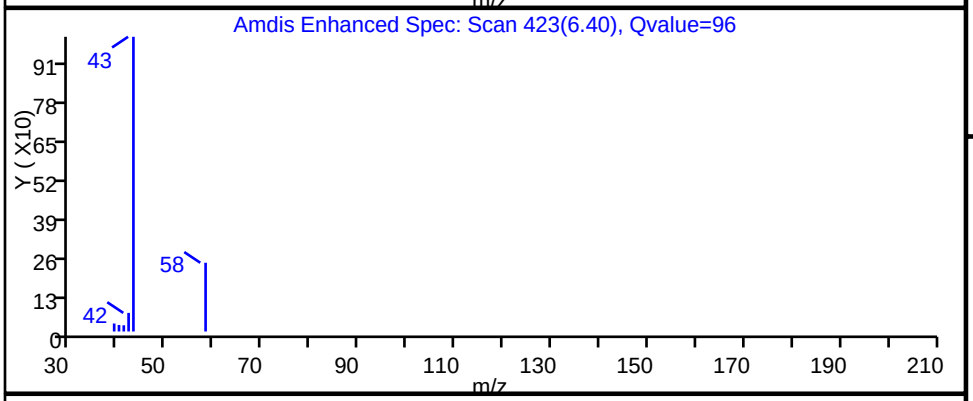
TestAmerica Buffalo

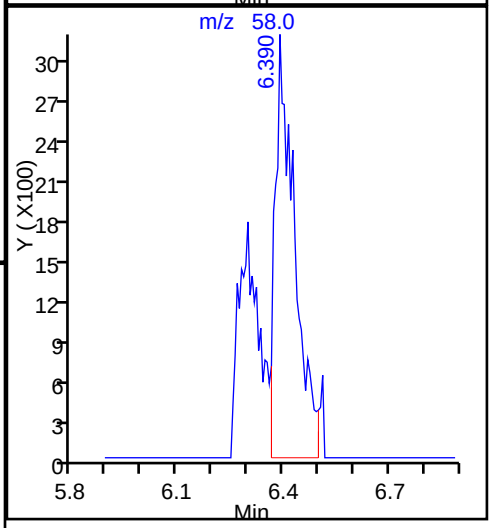
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2536.D				
Injection Date:	22-Dec-2015 01:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-19-C	Lab Sample ID:	480-92744-19		
Client ID:	B36-POLEBARN-S3				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

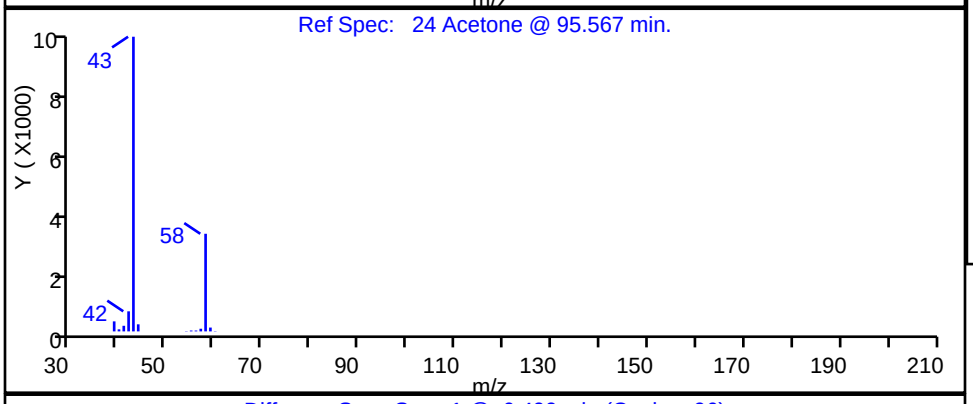
24 Acetone, CAS: 67-64-1

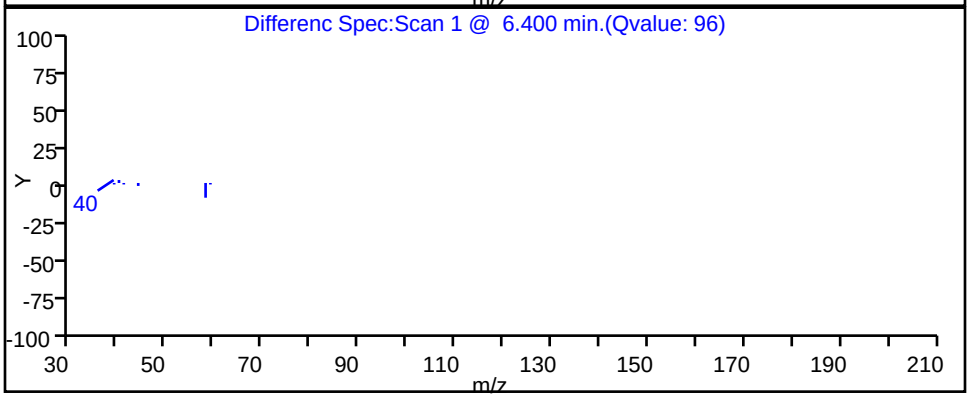








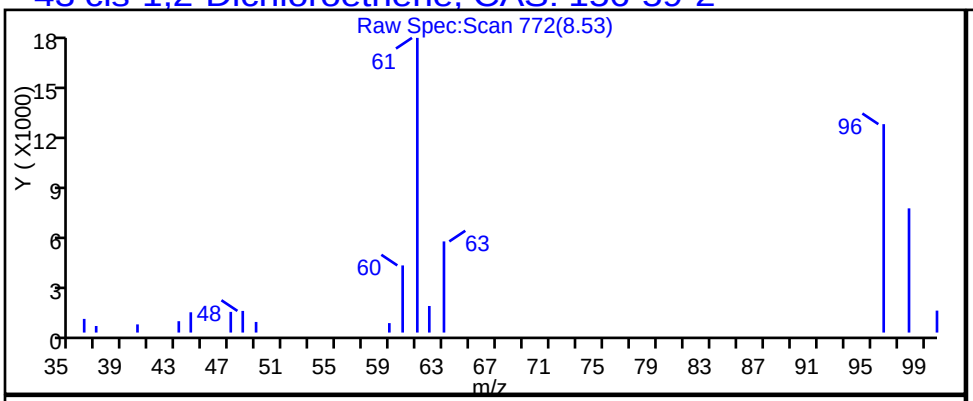


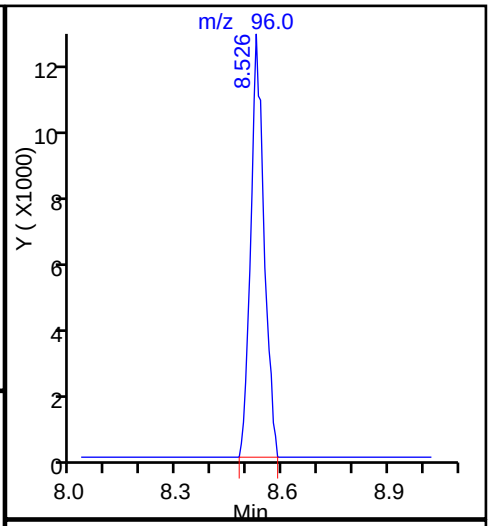


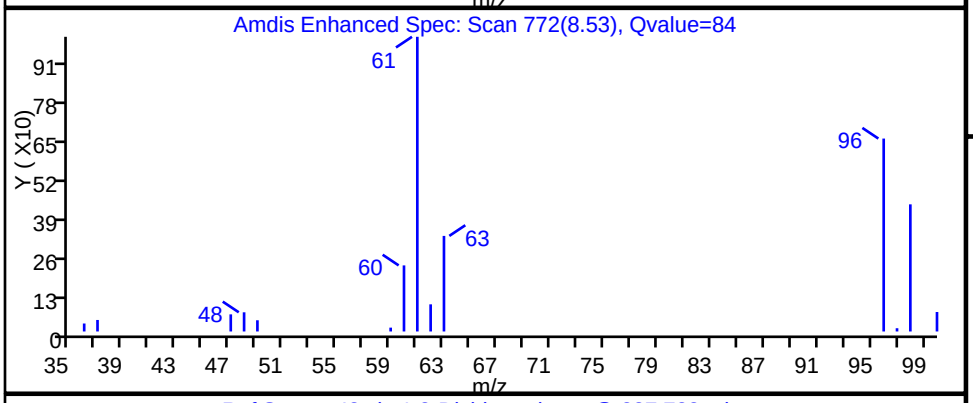
TestAmerica Buffalo

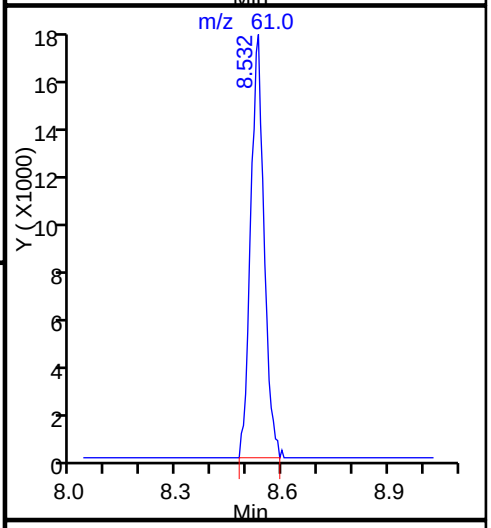
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2536.D				
Injection Date:	22-Dec-2015 01:46:30	Instrument ID:	HP5973P		
Lims ID:	480-92744-A-19-C	Lab Sample ID:	480-92744-19		
Client ID:	B36-POLEBARN-S3				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

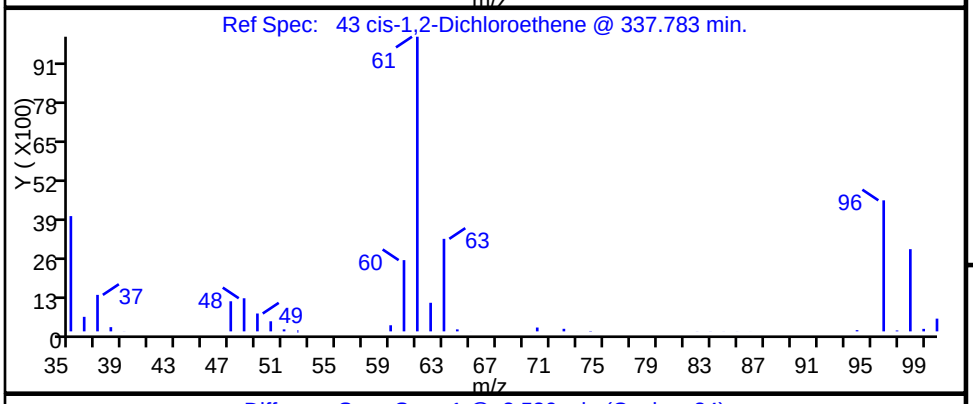
43 cis-1,2-Dichloroethene, CAS: 156-59-2

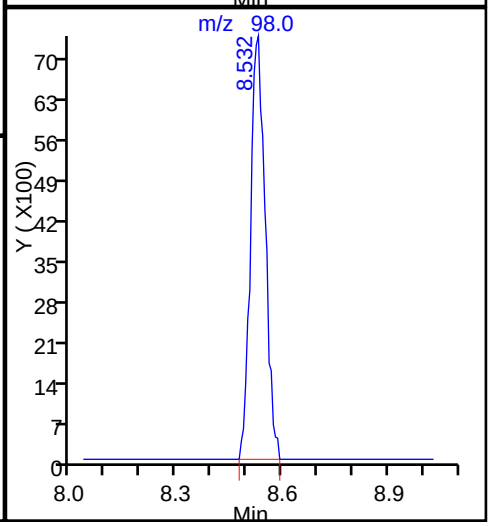


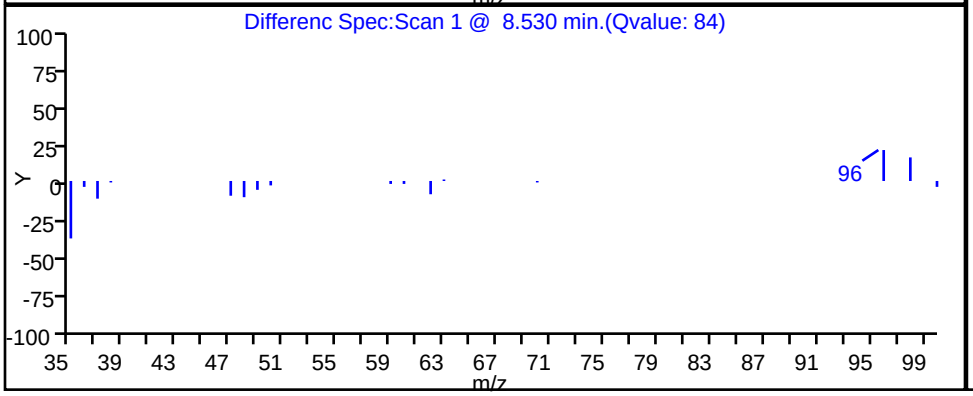












FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.3069 2.4323	2.6817 2.5757	2.7769 2.6219	2.7619	2.5649	Ave		2.5903			0.1000	6.2		20.0			
Chloromethane	3.3852 2.3945	3.0142 2.4533	2.8252 2.4777	2.6993	2.4736	Ave		2.7154			0.1000	12.7		20.0			
Vinyl chloride	2.3186 2.1766	2.5039 2.2690	2.5359 2.2912	2.4459	2.2990	Ave		2.3550			0.1000	5.3		20.0			
Butadiene	2.9331 2.2344	2.4691 2.2498	2.6642 2.2881	2.4666	2.2883	Ave		2.4492				10.0		20.0			
Bromomethane	1.6909 1.5246	1.7047 1.5547	1.6308 1.6013	1.6735	1.5777	Ave		1.6198			0.1000	4.1		20.0			
Chloroethane	+++++ 1.3774	1.6089 1.4160	1.6039 1.4581	1.5978	1.4614	Ave		1.5033			0.1000	6.5		20.0			
Dichlorofluoromethane	4.5460 3.6400	4.2423 3.7325	4.0990 3.7890	4.0673	3.8023	Ave		3.9898				7.7		20.0			
Trichlorofluoromethane	3.4447 3.5948	3.8274 3.6867	3.9321 3.7435	4.0156	3.7151	Ave		3.7450			0.1000	4.9		20.0			
Ethyl ether	2.0211 1.8796	2.0396 1.8888	1.9137 1.8895	1.9121	1.8596	Ave		1.9255				3.5		20.0			
Acrolein	0.3260 0.3364	0.3434 0.3389	0.3058 0.3403	0.2890	0.3285	Ave		0.3260				5.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 2.0277	2.0366 2.0567	2.0797 2.0239	2.1804	2.0471	Ave		2.0646			0.1000	2.6		20.0			
1,1-Dichloroethene	2.0962 1.7629	1.9987 1.7751	1.9148 1.7537	1.9192	1.7946	Ave		1.8769			0.1000	6.7		20.0			
Acetone	0.7156 0.5382	0.6263 0.5455	0.5675 0.5369	0.5447	0.5440	Ave		0.5773			0.1000	10.9		20.0			
Iodomethane	3.8081 3.5166	3.9525 3.5195	3.5404 3.5325	3.6376	3.5032	Ave		3.6263				4.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	7.0144 7.1966	8.2249 7.2934	7.5006 7.1870	7.5742	7.3942	Ave		7.4232			0.1000	5.0		20.0			
Methyl acetate	1.5435 1.4154	1.6179 1.4446	1.4026 1.4263	1.3530	1.4204	Ave		1.4530			0.1000	5.9		20.0			
Allyl chloride	4.2256 3.1510	3.8437 3.1039	3.4459 3.0748	3.4282	3.2264	Ave		3.4374				11.8		20.0			
Methylene Chloride	+++++ 2.0875	4.4664 2.0137	2.9857 1.9830	2.5635	2.2318	Lin1	2.4391	1.9672			0.1000				1.0000		0.9900
2-Methyl-2-propanol	+++++ 0.1939	0.1807 0.2030	0.1787 0.1926	0.1989	0.1871	Ave		0.1907				4.7		20.0			
Methyl tert-butyl ether	6.1506 5.8833	6.5093 5.9550	5.7573 5.9008	5.9195	5.9186	Ave		5.9993			0.1000	3.9		20.0			
trans-1,2-Dichloroethene	2.0548 1.8826	2.2938 1.9025	2.0644 1.8592	1.9928	1.9691	Ave		2.0024			0.1000	7.0		20.0			
Acrylonitrile	0.6610 0.7287	0.7836 0.7326	0.7310 0.7250	0.7004	0.7193	Ave		0.7227				4.7		20.0			
Hexane	2.8419 2.9793	3.6340 2.9591	3.3389 2.8813	3.1901	3.0517	Ave		3.1096				8.6		20.0			
Vinyl acetate	4.5209 4.2333	4.4878 4.3639	3.8570 4.3931	3.9393	4.0016	Ave		4.2246				6.1		20.0			
1,1-Dichloroethane	3.9052 3.7376	4.2232 3.7176	3.7503 3.6947	4.0387	3.7493	Ave		3.8521			0.2000	4.9		20.0			
2-Butanone (MEK)	0.9279 0.8600	0.8854 0.8799	0.8507 0.8798	0.8770	0.8491	Ave		0.8762			0.1000	2.9		20.0			
2,2-Dichloropropane	3.1448 2.9787	3.6652 2.9832	3.1510 2.9582	3.2720	2.9999	Ave		3.1441				7.6		20.0			
cis-1,2-Dichloroethene	2.1445 2.1079	2.6208 2.1418	2.1035 2.1094	2.2377	2.1800	Ave		2.2057			0.1000	7.9		20.0			
Chlorobromomethane	0.9871 1.0974	1.0653 1.0904	1.0492 1.0804	1.1494	1.0806	Ave		1.0749				4.3		20.0			
Tetrahydrofuran	+++++ 0.5951	0.6215 0.5987	0.7386 0.5881	0.6450	0.5911	Ave		0.6254				8.6		20.0			
Chloroform	4.3763 3.6926	4.5354 3.6600	3.9358 3.6188	3.9330	3.8089	Ave		3.9451			0.2000	8.6		20.0			
1,1,1-Trichloroethane	3.3384 3.2439	3.7516 3.2497	3.3601 3.2289	3.5339	3.2763	Ave		3.3729			0.1000	5.4		20.0			
Cyclohexane	2.9229 3.9074	4.2460 3.8995	4.1821 3.8286	4.2215	3.9064	Ave		3.8893			0.1000	10.9		20.0			
Isobutyl alcohol	0.1009 0.0857	0.1101 0.0912	0.0917 0.0877	0.0803	0.0847	Ave		0.0915				10.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.9351 2.6807	2.9233 2.7071	2.8567 2.6617	2.8588	2.7695	Ave		2.7991				3.9		20.0			
Carbon tetrachloride	2.3318 3.0128	3.1868 3.0395	3.0315 3.0093	3.2241	3.0288	Ave		2.9831			0.1000	9.3		20.0			
Benzene	8.1771 7.5131	8.6691 7.4421	7.9622 7.3223	7.9834	7.5484	Ave		7.8272			0.5000	5.8		20.0			
n-Heptane	3.6901 2.8075	3.7062 2.6937	3.3791 2.6527	2.9475	2.8019	Ave		3.0848				14.3		20.0			
1,2-Dichloroethane	3.4530 3.2551	3.7402 3.2130	3.3706 3.1288	3.2829	3.2509	Ave		3.3368			0.1000	5.7		20.0			
Trichloroethene	2.1850 2.0522	2.4224 2.0587	2.1523 2.0522	2.1636	2.1238	Ave		2.1513			0.2000	5.7		20.0			
Methylcyclohexane	2.3981 3.1924	3.4890 3.2436	3.3272 3.1896	3.4002	3.2196	Ave		3.1825			0.1000	10.5		20.0			
1,2-Dichloropropane	1.8553 2.0713	2.2641 2.0167	2.0188 2.0410	2.1616	2.0588	Ave		2.0610			0.1000	5.7		20.0			
1,4-Dioxane	+++++ 0.0049	+++++ 0.0054	0.0021 0.0047	0.0058	0.0043	Lin1	-0.062	0.0050							0.9910		0.9900
Dibromomethane	1.1383 1.3294	1.3959 1.3416	1.4099 1.3307	1.3967	1.3395	Ave		1.3353			0.1000	6.5		20.0			
Bromodichloromethane	2.7454 2.9143	2.9824 2.9187	2.8862 2.9319	2.9326	2.8578	Ave		2.8962			0.2000	2.4		20.0			
2-Chloroethyl vinyl ether	1.1608 1.3550	1.2147 1.3936	1.3295 1.3829	1.3071	1.3071	Ave		1.3063				6.2		20.0			
cis-1,3-Dichloropropene	2.9546 3.2754	3.4943 3.3150	3.2488 3.3347	3.2381	3.2259	Ave		3.2609			0.2000	4.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.9939 0.9674	0.9700 0.9553	0.9460 0.9192	0.9401	0.9575	Ave		0.9562			0.1000	2.3		20.0			
Toluene	2.1996 2.2446	2.5776 2.2128	2.3810 2.1370	2.4469	2.2925	Ave		2.3115			0.4000	6.4		20.0			
Ethyl methacrylate	1.0290 1.1790	1.1244 1.1914	1.0183 1.1728	1.0944	1.1291	Ave		1.1173				5.9		20.0			
trans-1,3-Dichloropropene	1.3480 1.4787	1.4373 1.4664	1.3946 1.4291	1.4481	1.4416	Ave		1.4305			0.1000	2.9		20.0			
1,1,2-Trichloroethane	0.7134 0.7042	0.7895 0.6945	0.6726 0.6802	0.7204	0.7115	Ave		0.7108			0.1000	5.0		20.0			
2-Hexanone	0.6958 0.6691	0.7012 0.6697	0.6371 0.6449	0.6264	0.6465	Ave		0.6613			0.1000	4.1		20.0			
Tetrachloroethene	1.0638 1.0769	1.1567 1.0496	1.0837 1.0265	1.1484	1.0944	Ave		1.0875			0.2000	4.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.4825 1.4212	1.4822 1.4012	1.4553 1.3629	1.4976	1.4466	Ave		1.4437				3.2		20.0			
Dibromochloromethane	1.0260 1.0613	1.0529 1.0639	0.9649 1.0578	1.0543	1.0299	Ave		1.0389			0.1000	3.2		20.0			
1,2-Dibromoethane	0.8704 0.9369	0.9111 0.9159	0.9640 0.8977	0.9298	0.9096	Ave		0.9169				3.0		20.0			
Chlorobenzene	2.8871 2.6408	2.8519 2.5804	2.7730 2.5180	2.8159	2.6557	Ave		2.7153			0.5000	5.0		20.0			
Ethylbenzene	4.9659 4.3841	5.1705 4.3562	4.6996 4.1770	4.6881	4.4310	Ave		4.6091			0.1000	7.3		20.0			
1,1,1,2-Tetrachloroethane	1.0490 1.0168	1.0880 1.0261	0.9918 1.0023	1.1161	1.0209	Ave		1.0389				4.2		20.0			
m,p-Xylene	1.7321 1.7743	1.9036 1.7356	1.7737 1.6749	1.8937	1.7874	Ave		1.7844			0.1000	4.4		20.0			
o-Xylene	1.7290 1.7870	1.9116 1.7393	1.8371 1.6854	1.8500	1.7589	Ave		1.7873			0.3000	4.2		20.0			
Styrene	2.8281 2.9428	2.8986 2.9343	2.9136 2.8621	3.0166	2.9298	Ave		2.9157			0.3000	1.9		20.0			
Isopropylbenzene	4.8809 4.6588	5.2731 4.6717	5.0809 4.5100	5.0885	4.7405	Ave		4.8630			0.1000	5.4		20.0			
Bromoform	0.5505 0.6438	0.6028 0.6719	0.5427 0.6709	0.6066	0.6102	Ave		0.6124			0.1000	8.0		20.0			
1,1,2,2-Tetrachloroethane	1.0483 1.1208	1.1936 1.1464	1.1565 1.1112	1.1298	1.0898	Ave		1.1246			0.3000	3.9		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.4245	0.4132 0.4371	0.3642 0.4338	0.4163	0.4063	Ave		0.4136				5.9		20.0			
N-Propylbenzene	6.0589 5.3859	6.0403 5.3684	5.6774 5.1490	5.6527	5.4589	Ave		5.5989				5.8		20.0			
1,2,3-Trichloropropane	0.3118 0.3696	0.3521 0.3770	0.3953 0.3594	0.3932	0.3808	Ave		0.3674				7.4		20.0			
Bromobenzene	1.2701 1.2266	1.2534 1.2351	1.2724 1.1952	1.2919	1.2569	Ave		1.2502				2.4		20.0			
1,3,5-Trimethylbenzene	3.9525 4.0504	4.5212 4.0603	4.2898 3.9126	4.3200	4.0988	Ave		4.1507				5.0		20.0			
2-Chlorotoluene	0.9628 1.0598	1.1703 1.0719	1.1334 1.0382	1.1507	1.0660	Ave		1.0816				6.3		20.0			
4-Chlorotoluene	1.2251 1.1229	1.1701 1.1211	1.1826 1.0927	1.1630	1.1197	Ave		1.1497				3.8		20.0			
tert-Butylbenzene	0.9170 0.8562	0.9963 0.8691	0.9005 0.8391	0.9537	0.8859	Ave		0.9022				5.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	4.1937 4.1954	4.5118 4.1809	4.3892 4.0654	4.5130	4.1320	Ave		4.2727				4.1		20.0			
sec-Butylbenzene	4.7443 5.0110	5.5579 5.0490	5.3306 4.8592	5.4366	5.0621	Ave		5.1314				5.5		20.0			
4-Isopropyltoluene	4.3031 4.2138	4.7445 4.2360	4.4240 4.1181	4.5943	4.2254	Ave		4.3574				4.9		20.0			
1,3-Dichlorobenzene	2.4106 2.3443	2.5769 2.3622	2.4440 2.3226	2.4453	2.3434	Ave		2.4062			0.6000	3.5		20.0			
1,4-Dichlorobenzene	2.5894 2.4093	2.7437 2.3989	2.5026 2.3306	2.4688	2.3892	Ave		2.4791			0.5000	5.4		20.0			
n-Butylbenzene	3.6712 3.7291	4.1665 3.7670	3.9009 3.6876	4.0385	3.7359	Ave		3.8371				4.7		20.0			
1,2-Dichlorobenzene	2.3958 2.2990	2.5221 2.3231	2.2913 2.2552	2.3977	2.2953	Ave		2.3474			0.4000	3.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1893 0.2275	0.3090 0.2444	0.2592 0.2372	0.2354	0.2330	Ave		0.2419			0.0500	13.9		20.0			
1,2,4-Trichlorobenzene	1.3857 1.6197	1.5250 1.6558	1.5706 1.6441	1.6477	1.5708	Ave		1.5774			0.2000	5.7		20.0			
Hexachlorobutadiene	0.5250 0.6370	0.6243 0.6517	0.6105 0.6440	0.7203	0.6068	Ave		0.6274				8.7		20.0			
Naphthalene	3.0013 3.6753	3.2029 3.8377	3.0978 3.8402	3.3852	3.4593	Ave		3.4375				9.5		20.0			
1,2,3-Trichlorobenzene	1.4305 1.5614	1.5058 1.5976	1.4706 1.5688	1.4944	1.4785	Ave		1.5135				3.8		20.0			
Dibromofluoromethane (Surr)	1.2717 1.3139	1.3358 1.3488	1.3094 1.3626	1.3197	1.3210	Ave		1.3229				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7814 0.7986	0.8046 0.8371	0.7678 0.8129	0.7687	0.7987	Ave		0.7962				2.9		20.0			
Toluene-d8 (Surr)	2.0777 2.1235	2.0978 2.0901	2.1067 2.0893	2.1112	2.1168	Ave		2.1016				0.7		20.0			
4-Bromofluorobenzene (Surr)	0.7125 0.7333	0.7119 0.7369	0.7162 0.7283	0.7351	0.7324	Ave		0.7258				1.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4730 301041	13186 624086	27942 1253697	68873	128034	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	6941 296363	14821 594435	28428 1184747	67311	123474	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4754 269390	12312 549792	25517 1095567	60991	114760	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	6014 276552	12141 545132	26808 1094079	61507	114226	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3467 188702	8382 376714	16410 765682	41732	78757	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 170477	7911 343093	16139 697199	39844	72948	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	9321 450516	20860 904395	41246 1811787	101423	189803	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	7063 444926	18820 893289	39566 1789987	100135	185448	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4144 232641	10029 457670	19256 903468	47681	92829	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3342 208190	8443 410530	15384 813481	36038	81993	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 250972	10014 498342	20927 967757	54371	102186	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4298 218187	9828 430119	19267 838571	47858	89583	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	7336 333042	15398 660829	28550 1283666	67910	135788	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7808 435242	19435 852791	35625 1689113	90709	174871	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	14382 890715	40443 1767200	75474 3436586	188874	369103	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl acetate	FB	Ave	15824 875911	39777 1750098	70567 3409975	168697	354504	2.00 125	5.00 250	10.0 500	25.0	50.0
Allyl chloride	FB	Ave	8664 390001	18900 752080	34674 1470250	85486	161055	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylene Chloride	FB	Lin1	+++++ 258368	21962 487918	30043 948203	63925	111404	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 239984	8887 491802	17981 920862	49610	93406	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	12611 728174	32007 1442898	57932 2821527	147612	295444	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4213 233007	11279 460987	20773 888987	49693	98292	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13553 901952	38533 1775189	73559 3466555	174657	359064	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5827 368751	17869 716994	33597 1377751	79550	152333	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18539 1047914	44134 2114769	77622 4201250	196465	399500	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	8007 462601	20766 900771	37737 1766687	100710	187155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9513 532235	21767 1066040	42799 2103349	109341	211935	2.00 125	5.00 250	10.0 500	25.0	50.0
2,2-Dichloropropane	FB	Ave	6448 368673	18022 722839	31707 1414492	81591	149748	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4397 260887	12887 518972	21166 1008638	55801	108818	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobromomethane	FB	Ave	2024 135818	5238 264196	10557 516586	28661	53939	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 147313	6112 290119	14864 562460	32166	59009	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8973 457027	22301 886828	39604 1730371	98075	190133	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6845 401495	18447 787406	33811 1543925	88123	163546	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5993 483618	20878 944857	42082 1830685	105269	195000	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	5172 265080	13531 552301	23078 1048782	50081	105663	10.0 625	25.0 1250	50.0 2500	125	250
1,1-Dichloropropene	FB	Ave	6018 331785	14374 655936	28745 1272727	71288	138246	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4781 372892	15670 736487	30504 1438923	80398	151188	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	16766 929895	42627 1803239	80119 3501246	199077	376796	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	7566 347482	18224 652690	34002 1268418	73499	139863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	7080 402877	18391 778508	33916 1496062	81864	162276	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4480 254002	11911 498820	21657 981309	53953	106015	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4917 395124	17156 785929	33480 1525166	84789	160717	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3804 256361	11133 488661	20314 975951	53902	102770	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	+++++ 25442	+++++ 56306	879 99175	5983	9027	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2334 164539	6864 325082	14187 636303	34829	66863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	5629 360701	14665 707212	29042 1401924	73129	142654	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2380 167713	5973 337670	13378 661248	32595	65248	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6058 405394	17182 803243	32691 1594522	80746	161028	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	21142 1263853	50843 2486207	98572 4859187	242968	501918	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	9358 586489	27021 1151776	49619 2259465	126488	240345	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4378 308070	11787 620135	21220 1239978	56572	118377	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	5735 386386	15067 763245	29063 1510957	74855	151139	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	3035 184006	8276 361465	14017 719138	37239	74593	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14801 874175	36753 1742886	66386 3408963	161891	338870	2.00 125	5.00 250	10.0 500	25.0	50.0
Tetrachloroethene	CBZ	Ave	4526 281396	12126 546309	22584 1085325	59365	114740	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	6307 371353	15538 729302	30328 1440933	77415	151660	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromochloromethane	CBZ	Ave	4365 277322	11038 553748	20108 1118399	54497	107977	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	3703 244810	9551 476701	20090 949073	48062	95362	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	12283 690022	29897 1343077	57788 2662215	145561	278417	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	21127 1145546	54203 2267405	97937 4416277	242338	464541	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4463 265675	11406 534082	20668 1059719	57696	107030	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	7369 463607	19956 903371	36963 1770809	97888	187387	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	7356 466939	20039 905289	38284 1781894	95633	184399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	12032 768947	30386 1527311	60719 3026047	155933	307155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	19411 1188422	52209 2330372	100284 4600013	253803	482612	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	2342 168211	6319 349734	11310 709342	31355	63975	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4169 285910	11818 571845	22827 1133347	56353	110951	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 108283	4091 218016	7189 442481	20763	41368	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	24096 1373894	59805 2677889	112059 5251776	281944	555749	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1240 94280	3486 188045	7803 366522	19612	38771	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	5051 312896	12410 616078	25115 1219050	64438	127962	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	15719 1033241	44764 2025395	84671 3990713	215472	417285	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	3829 270342	11587 534694	22371 1058966	57394	108529	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	4872 286445	11585 559249	23342 1114536	58007	113996	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	3647 218419	9864 433546	17773 855894	47570	90191	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	16678 1070211	44671 2085528	86632 4146539	225098	420664	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	18868 1278275	55029 2518596	105213 4956140	271164	515360	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	17113 1074914	46975 2113048	87319 4200316	229151	430176	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	9587 598020	25514 1178335	48238 2368902	121966	238573	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 279331

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	10298 614583	27165 1196637	49396 2377070	123139	243233	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	14600 951266	41252 1879092	76995 3761182	201429	380343	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	9528 586467	24971 1158831	45224 2300155	119592	233673	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	753 58036	3059 121920	5116 241937	11740	23726	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5511 413180	15099 825949	30999 1676862	82181	159922	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	2088 162484	6181 325088	12049 656815	35927	61775	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	11936 937548	31712 1914342	61144 3916853	168846	352178	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	5689 398306	14909 796908	29027 1600126	74537	150520	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	162963 162623	164209 163409	164694 162889	164539	164856	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	100129 98842	98903 101417	96571 97174	95842	99673	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	552453 554868	549779 543933	548788 552249	545675	554801	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	189448 191601	186570 191779	186563 192499	190003	191968	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Dec-2015 14:15:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0049159-004
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:10 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:03:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	128148	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	265902	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	248559	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162963	25.0	24.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	100129	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552453	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	189448	25.0	24.5	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	93	4730	0.4000	0.3562	
12 Chloromethane	50	4.851	4.851	0.000	37	6941	0.4000	0.4987	
13 Vinyl chloride	62	5.088	5.088	0.000	90	4754	0.4000	0.3938	
151 Butadiene	54	5.124	5.124	0.000	88	6014	0.4000	0.4790	
14 Bromomethane	94	5.693	5.693	0.000	78	3467	0.4000	0.4176	
15 Chloroethane	64		5.823				ND	ND	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	94	9321	0.4000	0.4558	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	95	7063	0.4000	0.3679	
18 Ethyl ether	59	6.487	6.475	0.012	95	4144	0.4000	0.4199	
20 Acrolein	56	6.737	6.724	0.012	94	3342	2.00	2.00	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	80	2803	0.4000	0.2649	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	93	4298	0.4000	0.4467	
23 Acetone	43	6.891	6.879	0.012	67	7336	2.00	2.48	
25 Iodomethane	142	7.057	7.056	0.001	95	7808	0.4000	0.4201	
26 Carbon disulfide	76	7.140	7.139	0.001	98	14382	0.4000	0.3780	
27 Methyl acetate	43	7.175	7.163	0.012	99	15824	2.00	2.12	M
28 3-Chloro-1-propene	41	7.187	7.187	0.000	82	8664	0.4000	0.4917	
30 Methylene Chloride	84	7.341	7.341	0.000	97	13835	0.4000	0.1321	
31 2-Methyl-2-propanol	59		7.353				ND	ND	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	96	12611	0.4000	0.4101	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	93	4213	0.4000	0.4105	
33 Acrylonitrile	53	7.602	7.578	0.024	90	13553	4.00	3.66	
35 Hexane	57	7.721	7.709	0.012	90	5827	0.4000	0.3656	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	18539	0.8000	0.8561	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	93	8007	0.4000	0.4055	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	98	9513	2.00	2.12	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	28	6448	0.4000	0.4001	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	82	4397	0.4000	0.3889	
48 Chlorobromomethane	128	8.693	8.693	0.000	89	2024	0.4000	0.3673	
50 Chloroform	83	8.705	8.705	0.000	94	8973	0.4000	0.4437	
49 Tetrahydrofuran	42		8.705				ND	ND	
51 1,1,1-Trichloroethane	97	8.883	8.871	0.012	89	6845	0.4000	0.3959	
52 Cyclohexane	56	8.907	8.906	0.001	83	5993	0.4000	0.3006	
53 Isobutyl alcohol	43	8.954	8.954	0.000	46	5172	10.0	11.0	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	90	6018	0.4000	0.4194	
55 Carbon tetrachloride	117	9.013	9.013	0.000	95	4781	0.4000	0.3127	
57 Benzene	78	9.179	9.179	0.000	93	16766	0.4000	0.4179	
59 n-Heptane	43	9.191	9.191	0.000	58	7566	0.4000	0.4785	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	94	7080	0.4000	0.4139	
62 Trichloroethene	95	9.654	9.653	0.001	93	4480	0.4000	0.4063	
64 Methylcyclohexane	83	9.796	9.796	0.000	93	4917	0.4000	0.3014	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	84	3804	0.4000	0.3601	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.998	9.997	0.001	65	2334	0.4000	0.3410	
68 Dichlorobromomethane	83	10.069	10.069	0.001	94	5629	0.4000	0.3792	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	79	2380	0.4000	0.3554	
72 cis-1,3-Dichloropropene	75	10.389	10.377	0.012	94	6058	0.4000	0.3624	
73 4-Methyl-2-pentanone (MIBK	43	10.425	10.412	0.012	78	21142	2.00	2.08	
74 Toluene	92	10.650	10.650	0.000	96	9358	0.4000	0.3806	
75 Ethyl methacrylate	69	10.721	10.721	0.000	87	4378	0.4000	0.3684	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	91	5735	0.4000	0.3769	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	89	3035	0.4000	0.4015	
80 2-Hexanone	43	11.065	11.053	0.012	74	14801	2.00	2.10	M
81 Tetrachloroethene	166	11.089	11.088	0.001	91	4526	0.4000	0.3913	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	92	6307	0.4000	0.4107	
83 Chlorodibromomethane	129	11.338	11.337	0.001	82	4365	0.4000	0.3950	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	3703	0.4000	0.3797	
88 Ethylbenzene	91	11.812	11.800	0.012	97	21127	0.4000	0.4310	
87 Chlorobenzene	112	11.800	11.800	0.000	96	12283	0.4000	0.4253	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	86	4463	0.4000	0.4039	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	7369	0.4000	0.3883	
91 o-Xylene	106	12.239	12.239	0.000	95	7356	0.4000	0.3870	
92 Styrene	104	12.251	12.250	0.001	91	12032	0.4000	0.3880	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	19411	0.4000	0.4015	
95 Bromoform	173	12.523	12.523	0.000	7	2342	0.4000	0.3595	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	80	4169	0.4000	0.3729	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	1	967	0.4000	0.2351	
99 N-Propylbenzene	91	12.856	12.855	0.001	98	24096	0.4000	0.4329	
100 1,2,3-Trichloropropane	110	12.891	12.879	0.012	76	1240	0.4000	0.3395	
101 Bromobenzene	156	12.915	12.915	0.000	91	5051	0.4000	0.4064	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	92	15719	0.4000	0.3809	
103 2-Chlorotoluene	126	13.022	13.021	0.001	94	3829	0.4000	0.3561	
105 4-Chlorotoluene	126	13.105	13.104	0.001	96	4872	0.4000	0.4262	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	3647	0.4000	0.4066	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	94	16678	0.4000	0.3926	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.496	-0.012	95	18868	0.4000	0.3698	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	94	17113	0.4000	0.3950	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	90	9587	0.4000	0.4007	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	90	10298	0.4000	0.4178	
115 n-Butylbenzene	91	14.006	14.006	0.000	95	14600	0.4000	0.3827	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	9528	0.4000	0.4082	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	1	753	0.4000	0.3131	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	89	5511	0.4000	0.3514	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	74	2088	0.4000	0.3347	
121 Naphthalene	128	16.591	16.579	0.012	1	11936	0.4000	0.3492	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	93	5689	0.4000	0.3781	
S 125 1,2-Dichloroethene, Total	1				0			0.7994	
S 126 1,3-Dichloropropene, Total	1				0			0.7394	
S 123 Total BTEX	1				0			2.00	
S 124 Xylenes, Total	1				0			0.7752	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	0.40	Units: uL	
GAS CORP mix_00125	Amount Added:	0.40	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

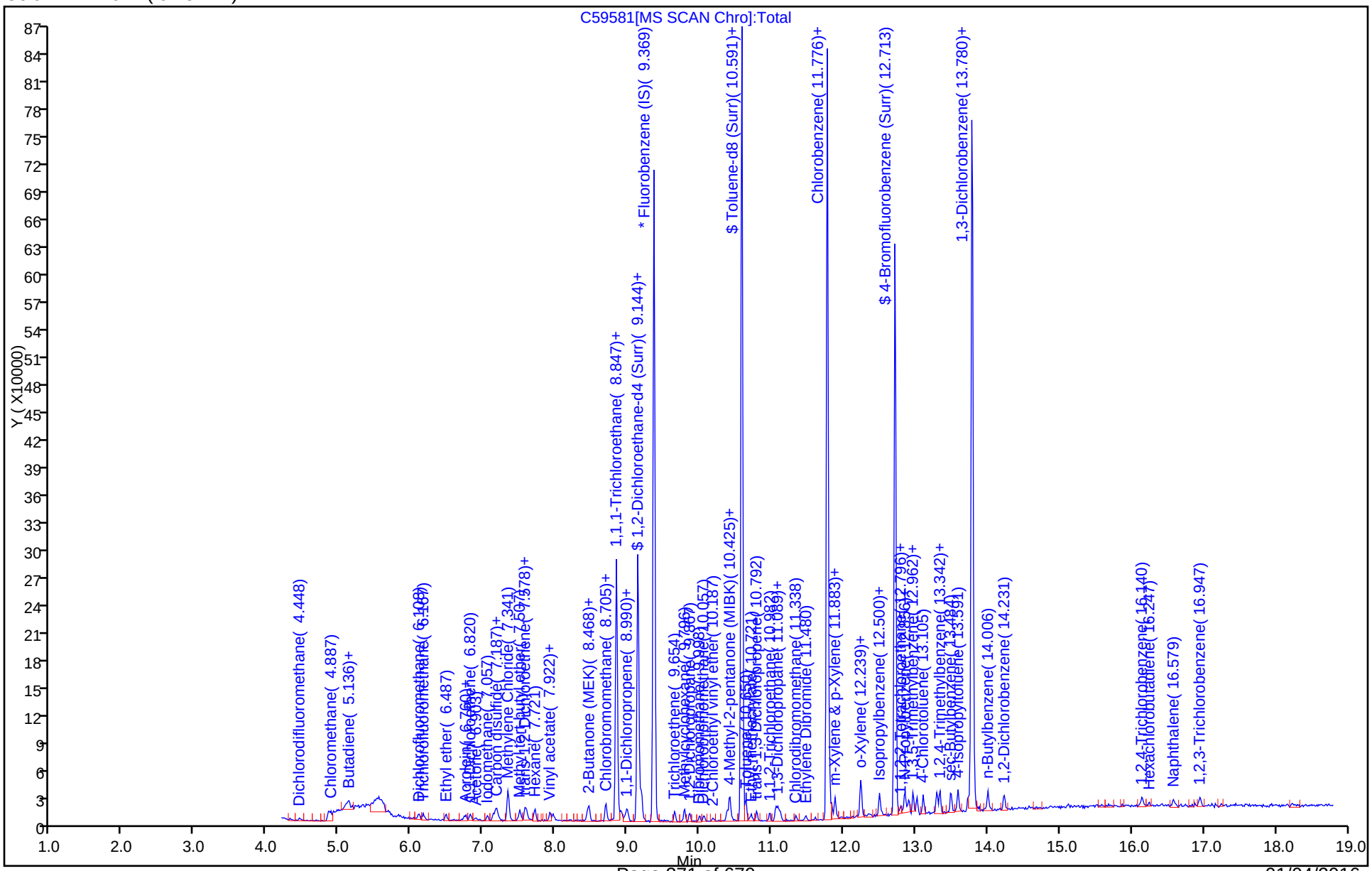
Report Date: 14-Dec-2015 11:36:12 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D

Injection Date:	11-Dec-2015 14:15:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 0.4			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



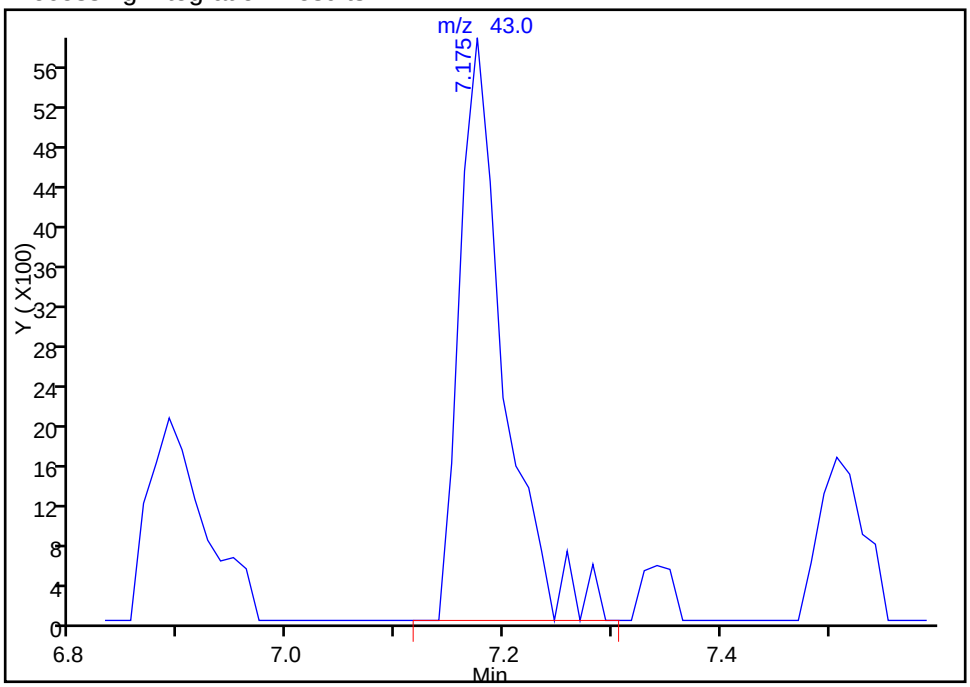
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Injection Date: 11-Dec-2015 14:15:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

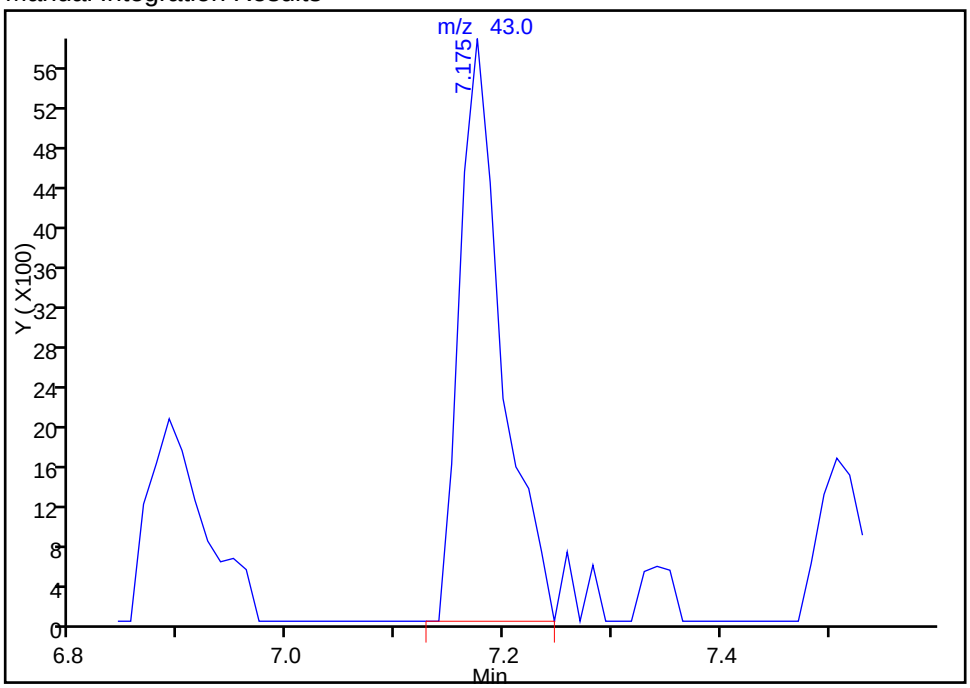
Processing Integration Results

RT: 7.18
Area: 16723
Amount: 2.228572
Amount Units: ug/L



Manual Integration Results

RT: 7.18
Area: 15824
Amount: 2.124677
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:23:51
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

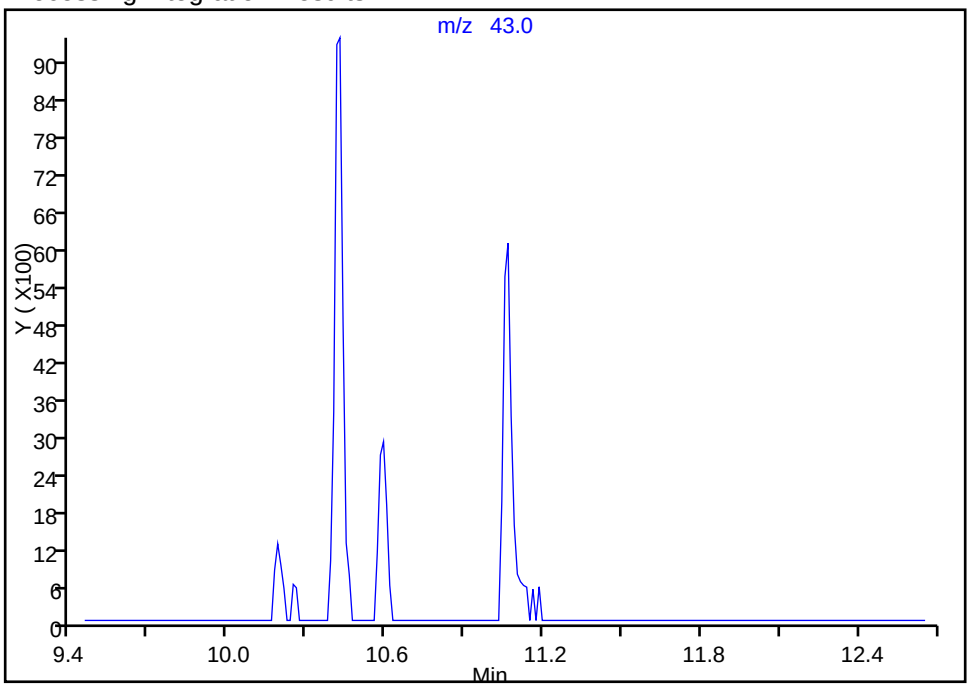
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D
Injection Date: 11-Dec-2015 14:15:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

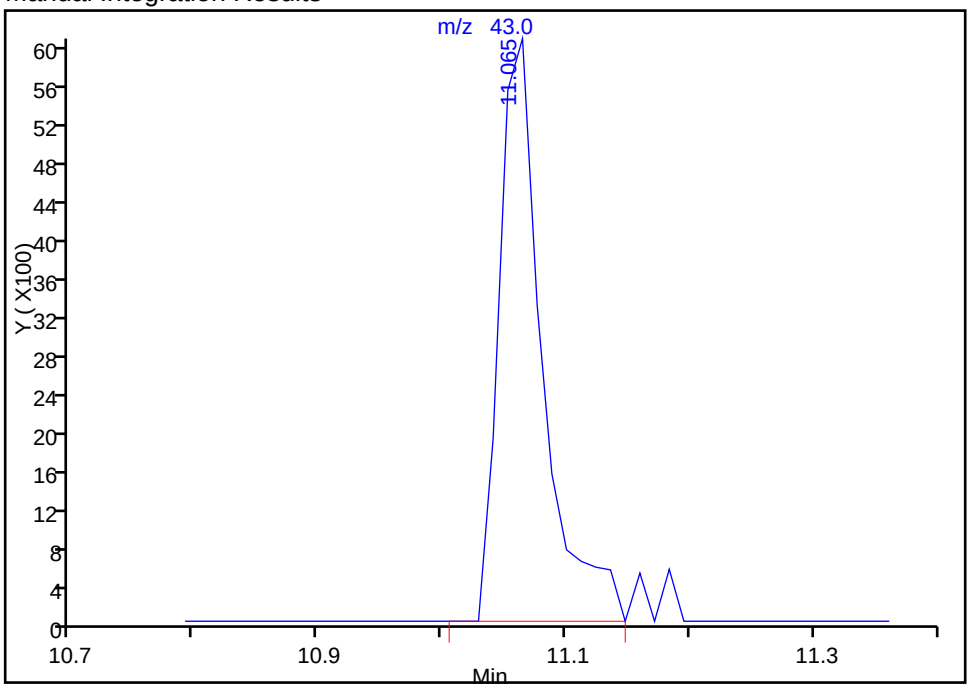
Not Detected
Expected RT: 11.05

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 14801
Amount: 2.104241
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:24:40
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Dec-2015 14:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0049159-005
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:15 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:03:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	122928	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262076	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.780	0.012	96	247524	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164209	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98903	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	549779	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	186570	25.0	24.5	
10 Dichlorodifluoromethane	85	4.459	4.448	0.011	97	13186	1.00	1.04	
12 Chloromethane	50	4.851	4.851	0.000	98	14821	1.00	1.11	
13 Vinyl chloride	62	5.088	5.088	0.000	96	12312	1.00	1.06	
151 Butadiene	54	5.124	5.124	0.000	90	12141	1.00	1.01	
14 Bromomethane	94	5.693	5.693	0.000	95	8382	1.00	1.05	
15 Chloroethane	64	5.835	5.823	0.012	97	7911	1.00	1.07	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	20860	1.00	1.06	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	96	18820	1.00	1.02	
18 Ethyl ether	59	6.487	6.475	0.012	93	10029	1.00	1.06	
20 Acrolein	56	6.736	6.724	0.012	76	8443	5.00	5.27	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	10014	1.00	0.9864	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	9828	1.00	1.06	
23 Acetone	43	6.890	6.879	0.011	99	15398	5.00	5.42	
25 Iodomethane	142	7.056	7.056	0.000	96	19435	1.00	1.09	
26 Carbon disulfide	76	7.139	7.139	0.000	99	40443	1.00	1.11	
27 Methyl acetate	43	7.175	7.163	0.012	98	39777	5.00	5.57	
28 3-Chloro-1-propene	41	7.199	7.187	0.012	79	18900	1.00	1.12	
30 Methylene Chloride	84	7.341	7.341	0.000	98	21962	1.00	1.03	
31 2-Methyl-2-propanol	59	7.365	7.353	0.012	44	8887	10.0	9.48	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	32007	1.00	1.09	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	94	11279	1.00	1.15	
33 Acrylonitrile	53	7.590	7.578	0.012	96	38533	10.0	10.8	M
35 Hexane	57	7.721	7.709	0.012	93	17869	1.00	1.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	97	44134	2.00	2.12	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	20766	1.00	1.10	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	21767	5.00	5.05	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	76	18022	1.00	1.17	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	12887	1.00	1.19	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	5238	1.00	0.99	
50 Chloroform	83	8.705	8.705	0.000	93	22301	1.00	1.15	
49 Tetrahydrofuran	42	8.717	8.705	0.012	57	6112	2.00	1.99	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	18447	1.00	1.11	
52 Cyclohexane	56	8.906	8.906	0.000	92	20878	1.00	1.09	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	13531	25.0	30.1	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	91	14374	1.00	1.04	
55 Carbon tetrachloride	117	9.013	9.013	0.000	96	15670	1.00	1.07	
57 Benzene	78	9.179	9.179	0.000	94	42627	1.00	1.11	
59 n-Heptane	43	9.191	9.191	0.000	92	18224	1.00	1.20	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	18391	1.00	1.12	
62 Trichloroethene	95	9.653	9.653	0.000	96	11911	1.00	1.13	
64 Methylcyclohexane	83	9.796	9.796	0.000	94	17156	1.00	1.10	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	11133	1.00	1.10	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.997	9.997	0.000	90	6864	1.00	1.05	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	14665	1.00	1.03	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	5973	1.00	0.9299	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	95	17182	1.00	1.07	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	89	50843	5.00	5.07	
74 Toluene	92	10.650	10.650	0.000	97	27021	1.00	1.12	
75 Ethyl methacrylate	69	10.721	10.721	0.000	88	11787	1.00	1.01	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	15067	1.00	1.00	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	90	8276	1.00	1.11	
80 2-Hexanone	43	11.065	11.053	0.012	98	36753	5.00	5.30	M
81 Tetrachloroethene	166	11.088	11.088	0.000	96	12126	1.00	1.06	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	92	15538	1.00	1.03	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	11038	1.00	1.01	
84 Ethylene Dibromide	107	11.480	11.480	0.000	95	9551	1.00	0.99	
88 Ethylbenzene	91	11.812	11.800	0.012	96	54203	1.00	1.12	
87 Chlorobenzene	112	11.800	11.800	0.000	83	29897	1.00	1.05	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	85	11406	1.00	1.05	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	19956	1.00	1.07	
91 o-Xylene	106	12.239	12.239	0.000	95	20039	1.00	1.07	
92 Styrene	104	12.251	12.250	0.000	88	30386	1.00	0.99	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	52209	1.00	1.08	
95 Bromoform	173	12.523	12.523	0.000	88	6319	1.00	0.9843	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	92	11818	1.00	1.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	37	4091	1.00	1.00	
99 N-Propylbenzene	91	12.855	12.855	0.000	97	59805	1.00	1.08	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	3486	1.00	0.9583	
101 Bromobenzene	156	12.915	12.915	0.000	90	12410	1.00	1.00	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	44764	1.00	1.09	
103 2-Chlorotoluene	126	13.021	13.021	0.000	95	11587	1.00	1.08	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	11585	1.00	1.02	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	9864	1.00	1.10	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	95	44671	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	55029	1.00	1.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.000	96	46975	1.00	1.09	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	96	25514	1.00	1.07	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	27165	1.00	1.11	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	41252	1.00	1.09	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	24971	1.00	1.07	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	71	3059	1.00	1.28	
119 1,2,4-Trichlorobenzene	180	16.152	16.140	0.012	90	15099	1.00	0.9668	
120 Hexachlorobutadiene	225	16.247	16.235	0.012	88	6181	1.00	0.99	
121 Naphthalene	128	16.579	16.579	0.000	97	31712	1.00	0.9318	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	92	14909	1.00	0.99	
S 125 1,2-Dichloroethene, Total	1				0			2.33	
S 126 1,3-Dichloropropene, Total	1				0			2.08	
S 123 Total BTEX	1				0			5.48	
S 124 Xylenes, Total	1				0			2.14	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
GAS CORP mix_00125	Amount Added:	1.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

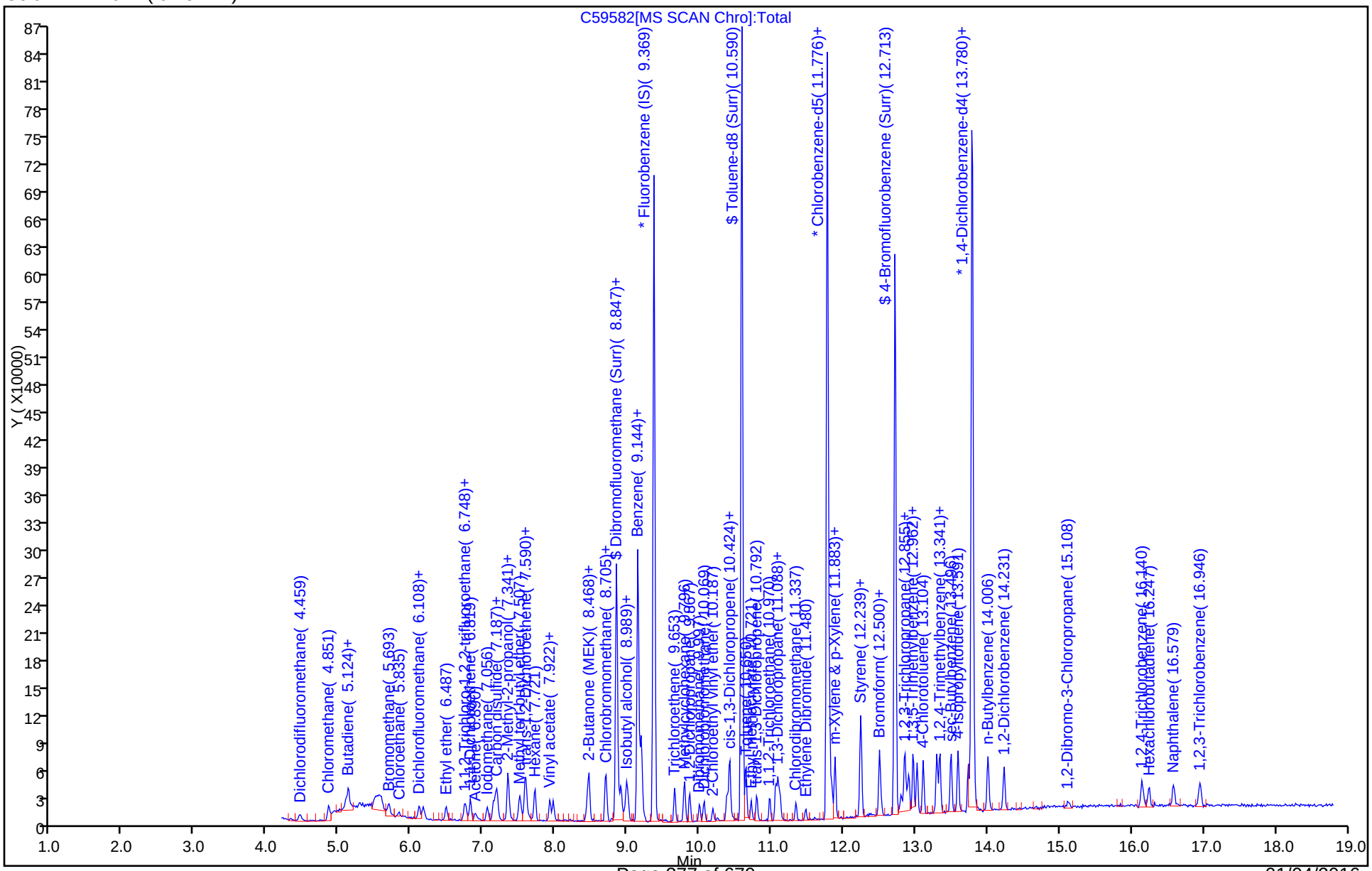
Report Date: 14-Dec-2015 11:36:18 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D

Injection Date:	11-Dec-2015 14:41:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

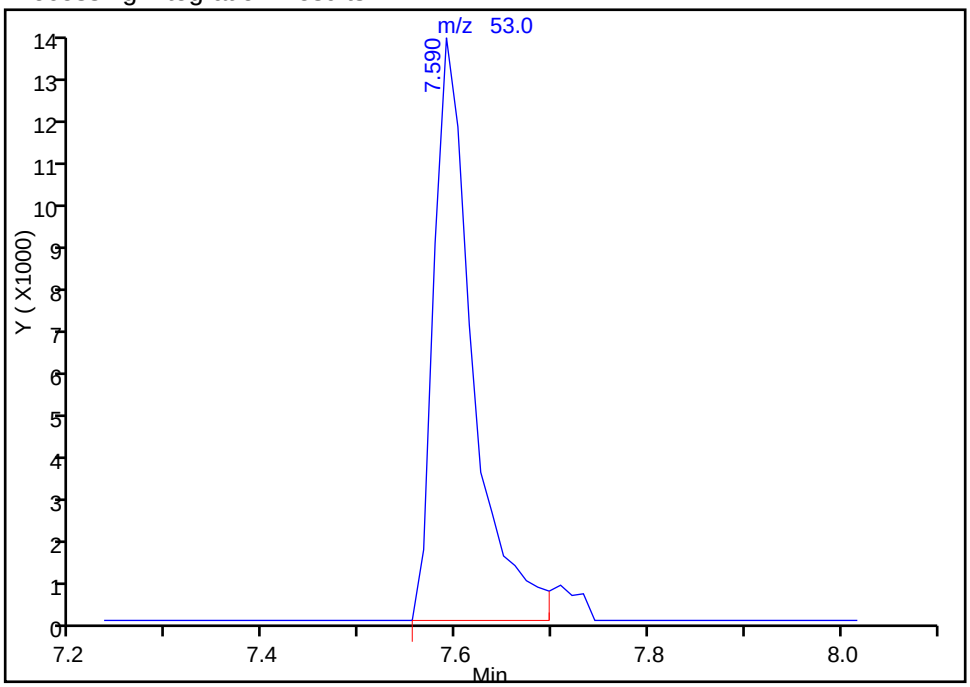
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Injection Date: 11-Dec-2015 14:41:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

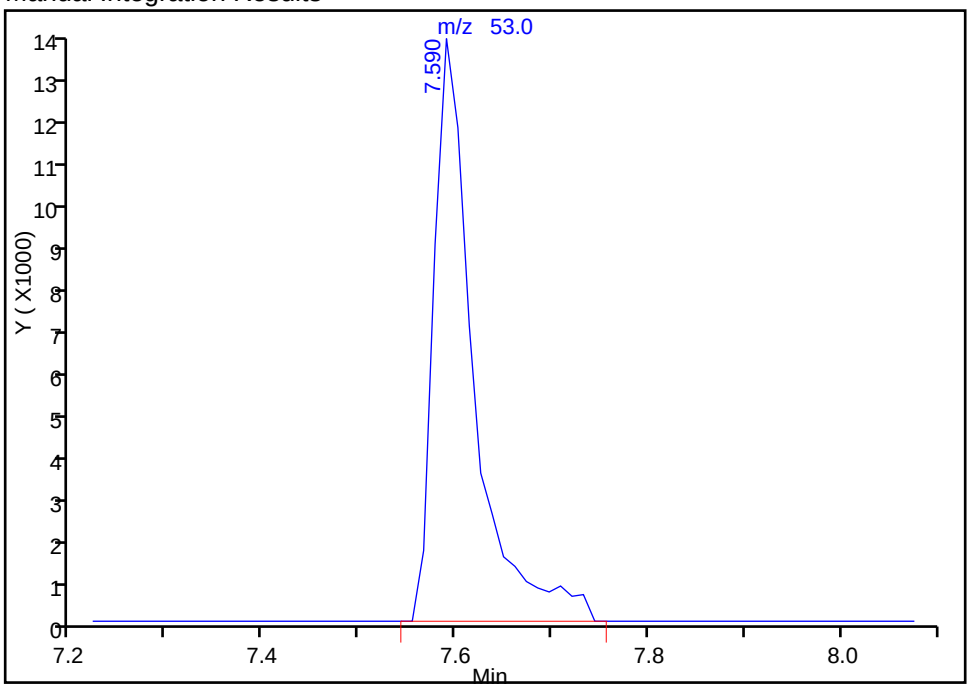
Processing Integration Results

RT: 7.59
Area: 37130
Amount: 10.542457
Amount Units: ug/L



Manual Integration Results

RT: 7.59
Area: 38533
Amount: 10.843081
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:25:29
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

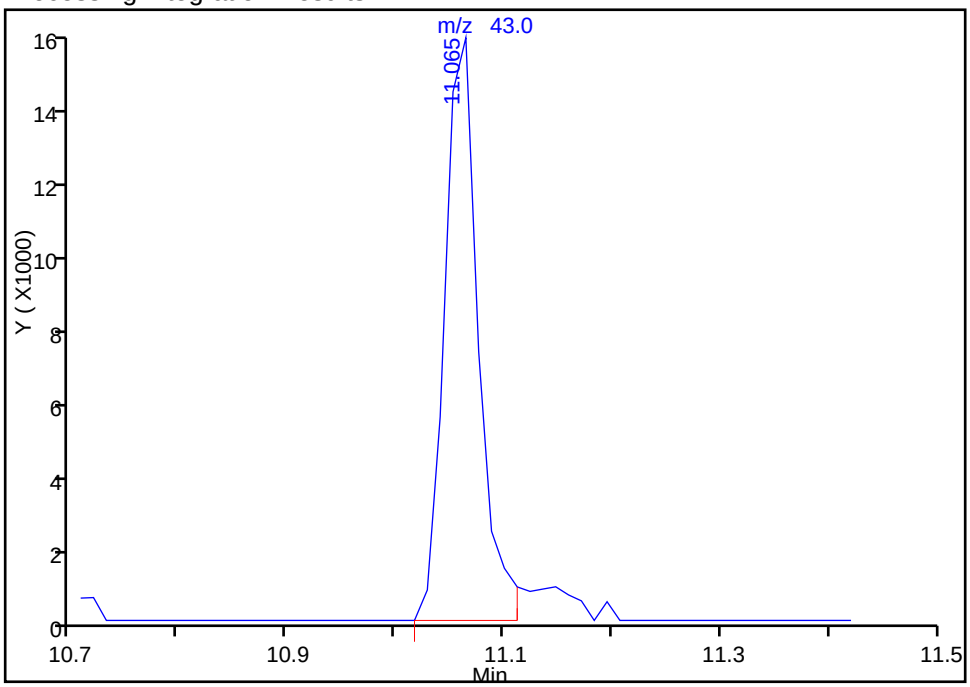
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
Injection Date: 11-Dec-2015 14:41:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

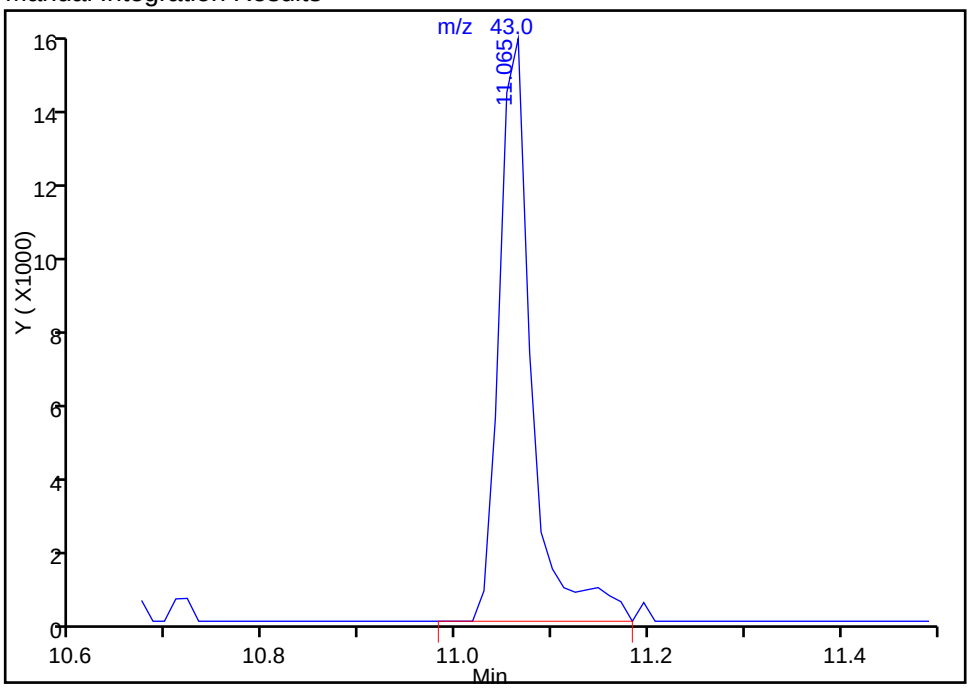
Processing Integration Results

RT: 11.06
Area: 34101
Amount: 5.003609
Amount Units: ug/L



Manual Integration Results

RT: 11.06
Area: 36753
Amount: 5.301413
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:24:27
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-Dec-2015 15:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049159-006
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:21 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:33:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	125780	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260495	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	246720	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164694	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	96571	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	548788	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	186563	25.0	24.7	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	97	27942	2.00	2.14	
12 Chloromethane	50	4.851	4.851	0.000	99	28428	2.00	2.08	
13 Vinyl chloride	62	5.088	5.088	0.000	96	25517	2.00	2.15	
151 Butadiene	54	5.124	5.124	0.000	89	26808	2.00	2.18	
14 Bromomethane	94	5.681	5.693	-0.012	92	16410	2.00	2.01	
15 Chloroethane	64	5.823	5.823	0.000	97	16139	2.00	2.13	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	41246	2.00	2.05	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	98	39566	2.00	2.10	
18 Ethyl ether	59	6.476	6.475	0.001	94	19256	2.00	1.99	
20 Acrolein	56	6.736	6.724	0.012	78	15384	10.0	9.38	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	20927	2.00	2.01	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	19267	2.00	2.04	
23 Acetone	43	6.879	6.879	0.000	100	28550	10.0	9.83	
25 Iodomethane	142	7.057	7.056	0.001	99	35625	2.00	1.95	
26 Carbon disulfide	76	7.140	7.139	0.001	100	75474	2.00	2.02	
27 Methyl acetate	43	7.175	7.163	0.012	98	70567	10.0	9.65	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	34674	2.00	2.00	
30 Methylene Chloride	84	7.341	7.341	0.000	99	30043	2.00	1.80	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	52	17981	20.0	18.7	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	57932	2.00	1.92	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	20773	2.00	2.06	
33 Acrylonitrile	53	7.590	7.578	0.012	99	73559	20.0	20.2	M
35 Hexane	57	7.709	7.709	0.000	92	33597	2.00	2.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	77622	4.00	3.65	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	96	37737	2.00	1.95	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	42799	10.0	9.71	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	31707	2.00	2.00	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	21166	2.00	1.91	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	10557	2.00	1.95	
50 Chloroform	83	8.705	8.705	0.000	97	39604	2.00	2.00	
49 Tetrahydrofuran	42	8.705	8.705	0.000	60	14864	4.00	4.72	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	33811	2.00	1.99	
52 Cyclohexane	56	8.907	8.906	0.001	90	42082	2.00	2.15	
53 Isobutyl alcohol	43	8.954	8.954	0.000	91	23078	50.0	50.1	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	94	28745	2.00	2.04	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	97	30504	2.00	2.03	
57 Benzene	78	9.179	9.179	0.000	96	80119	2.00	2.03	
59 n-Heptane	43	9.191	9.191	0.000	93	34002	2.00	2.19	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	33916	2.00	2.02	
62 Trichloroethene	95	9.654	9.653	0.001	94	21657	2.00	2.00	
64 Methylcyclohexane	83	9.796	9.796	0.000	97	33480	2.00	2.09	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	20314	2.00	1.96	
66 1,4-Dioxane	88	9.938	9.926	0.012	0	879	40.0	29.4	M
67 Dibromomethane	93	9.998	9.997	0.001	96	14187	2.00	2.11	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	29042	2.00	1.99	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	13378	2.00	2.04	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	32691	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	98572	10.0	9.89	
74 Toluene	92	10.650	10.650	0.000	97	49619	2.00	2.06	
75 Ethyl methacrylate	69	10.721	10.721	0.000	92	21220	2.00	1.82	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	29063	2.00	1.95	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	93	14017	2.00	1.89	
80 2-Hexanone	43	11.053	11.053	0.000	95	66386	10.0	9.63	M
81 Tetrachloroethene	166	11.089	11.088	0.001	95	22584	2.00	1.99	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	94	30328	2.00	2.02	
83 Chlorodibromomethane	129	11.338	11.337	0.001	91	20108	2.00	1.86	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	94	20090	2.00	2.10	
88 Ethylbenzene	91	11.800	11.800	0.000	96	97937	2.00	2.04	
87 Chlorobenzene	112	11.800	11.800	0.000	88	57788	2.00	2.04	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	90	20668	2.00	1.91	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	36963	2.00	1.99	
91 o-Xylene	106	12.239	12.239	0.000	97	38284	2.00	2.06	
92 Styrene	104	12.251	12.250	0.001	93	60719	2.00	2.00	
94 Isopropylbenzene	105	12.500	12.500	0.000	95	100284	2.00	2.09	
95 Bromoform	173	12.523	12.523	0.000	91	11310	2.00	1.77	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	22827	2.00	2.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	78	7189	2.00	1.76	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	112059	2.00	2.03	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	7803	2.00	2.15	
101 Bromobenzene	156	12.915	12.915	0.000	97	25115	2.00	2.04	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	84671	2.00	2.07	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	22371	2.00	2.10	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	23342	2.00	2.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	93	17773	2.00	2.00	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	95	86632	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	105213	2.00	2.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	87319	2.00	2.03	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	48238	2.00	2.03	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	93	49396	2.00	2.02	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	76995	2.00	2.03	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	45224	2.00	1.95	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.108	0.012	74	5116	2.00	2.14	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	93	30999	2.00	1.99	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	88	12049	2.00	1.95	
121 Naphthalene	128	16.579	16.579	0.000	98	61144	2.00	1.80	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	91	29027	2.00	1.94	
S 125 1,2-Dichloroethene, Total	1				0			3.97	
S 126 1,3-Dichloropropene, Total	1				0			3.94	
S 123 Total BTEX	1				0			10.2	
S 124 Xylenes, Total	1				0			4.04	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	2.00	Units: uL	
GAS CORP mix_00125	Amount Added:	2.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

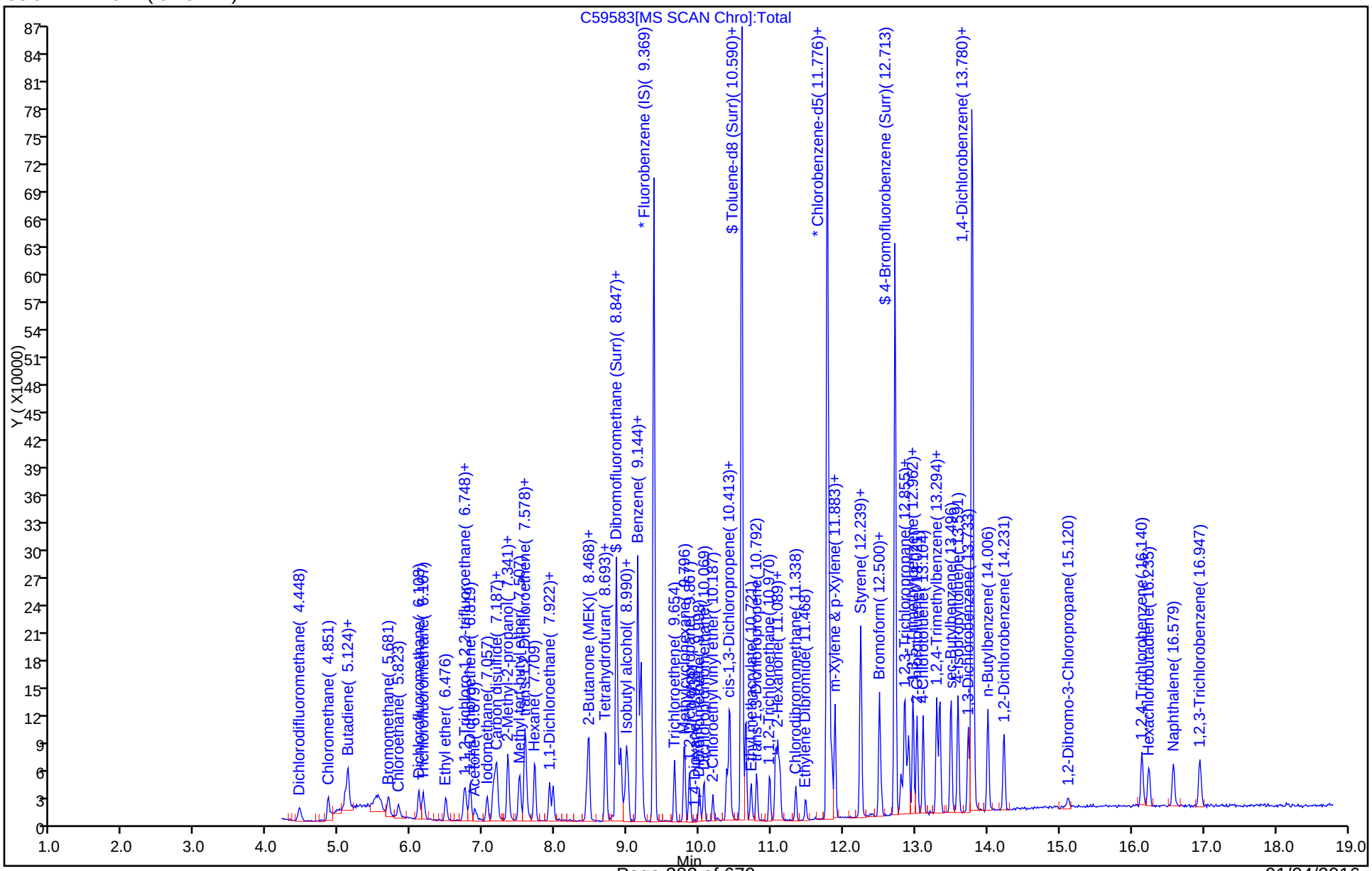
Report Date: 14-Dec-2015 11:36:25 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date:	11-Dec-2015 15:07:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

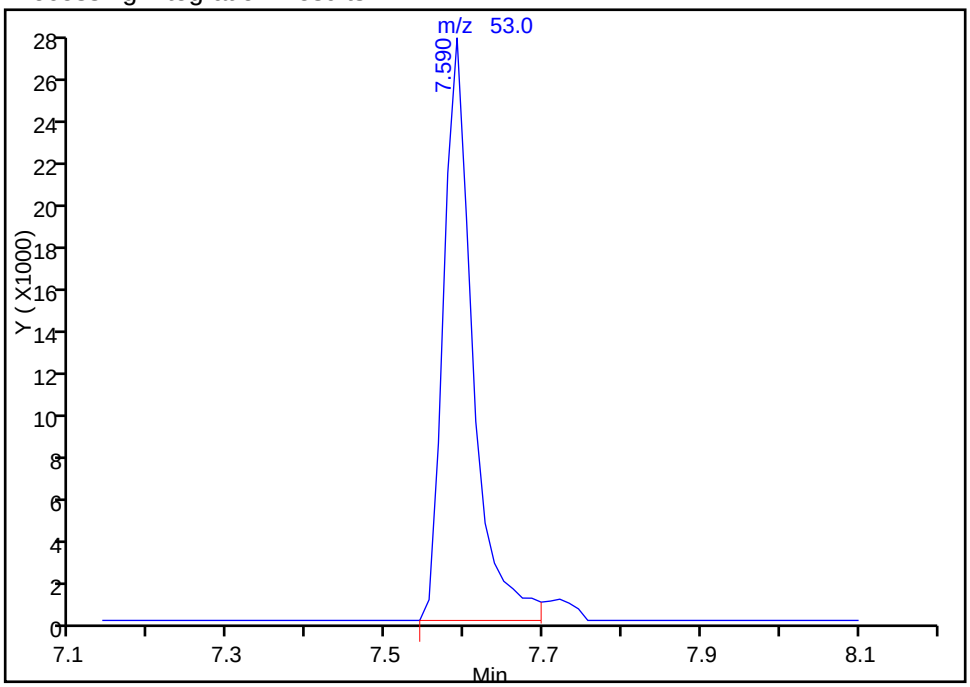
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

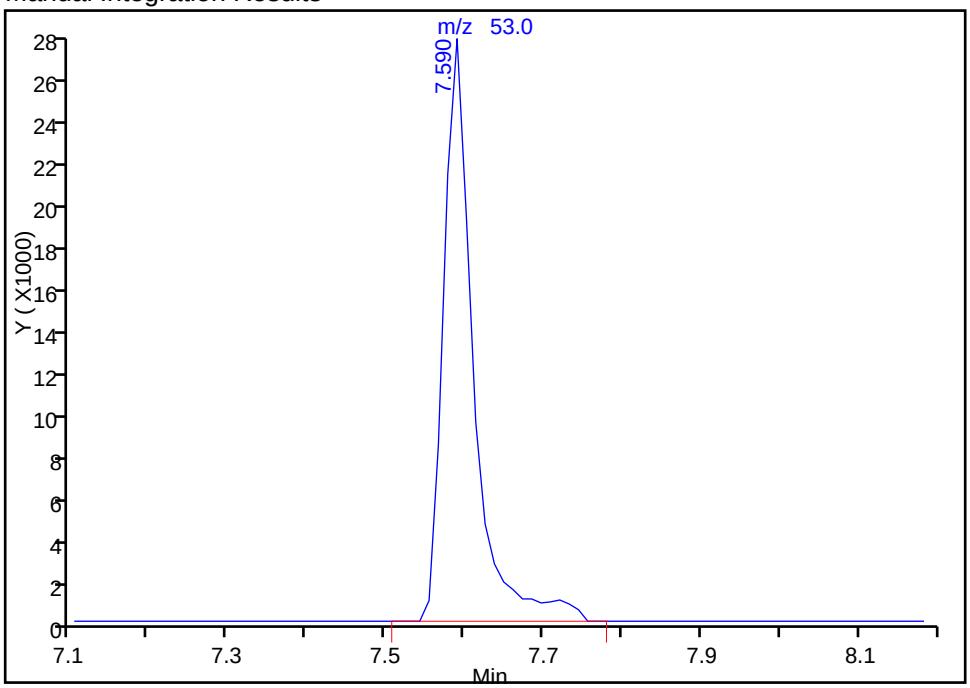
Processing Integration Results

RT: 7.59
Area: 71233
Amount: 19.668904
Amount Units: ug/L



Manual Integration Results

RT: 7.59
Area: 73559
Amount: 20.229955
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

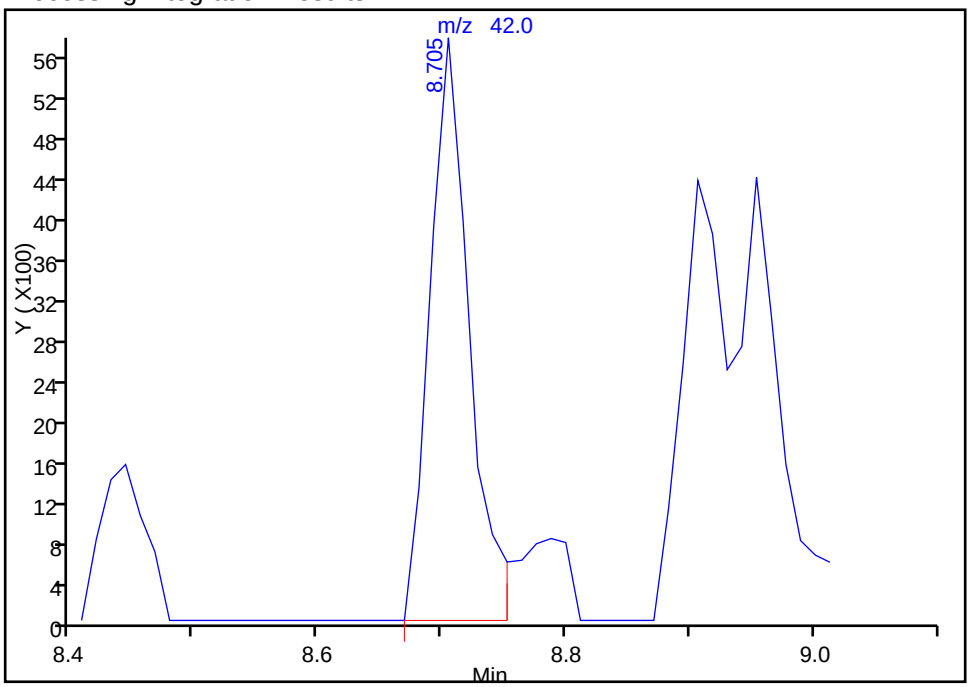
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

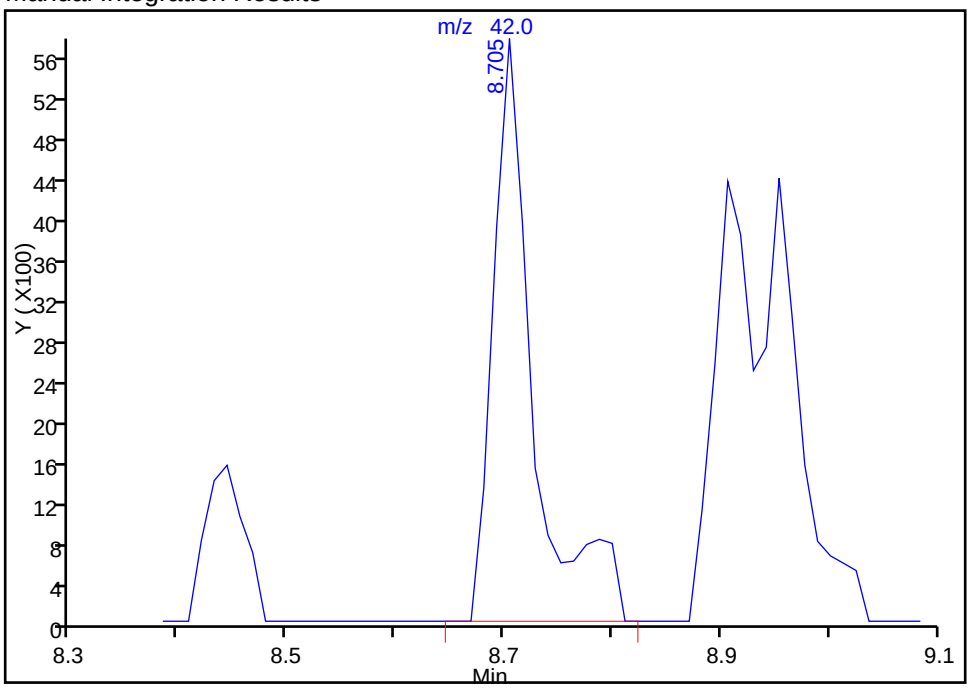
Processing Integration Results

RT: 8.70
Area: 12769
Amount: 4.223486
Amount Units: ug/L



Manual Integration Results

RT: 8.70
Area: 14864
Amount: 4.723692
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

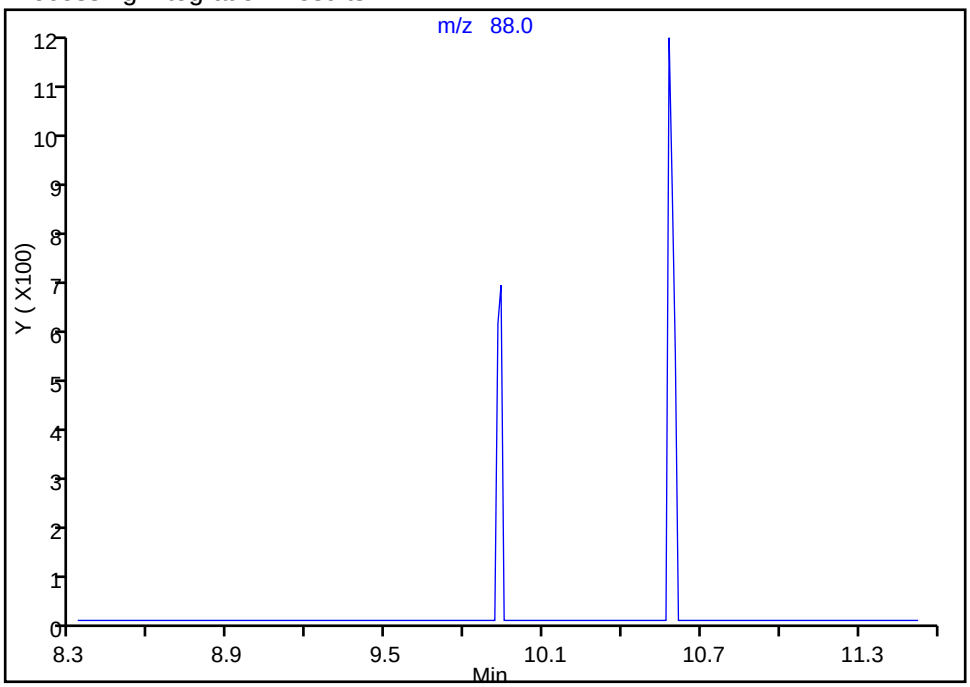
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

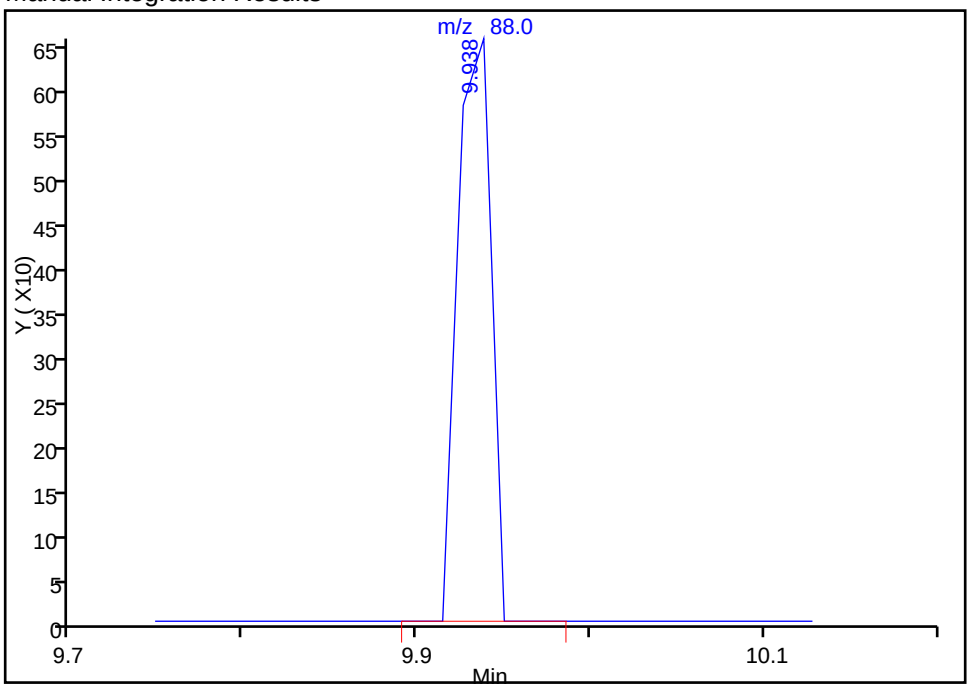
Not Detected
Expected RT: 9.93

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 879
Amount: 29.441910
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

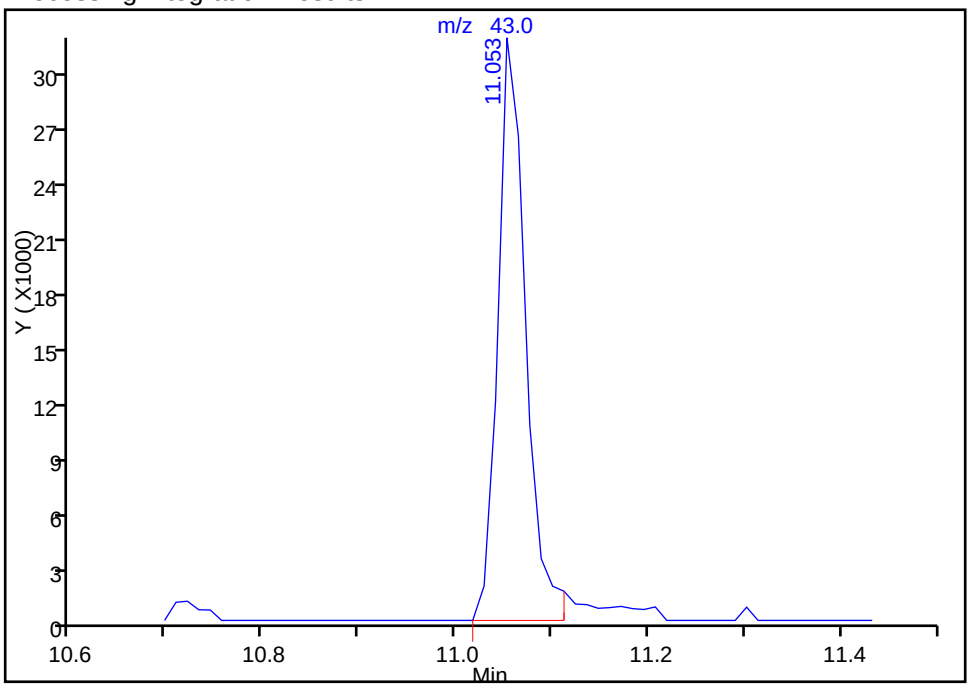
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
Injection Date: 11-Dec-2015 15:07:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

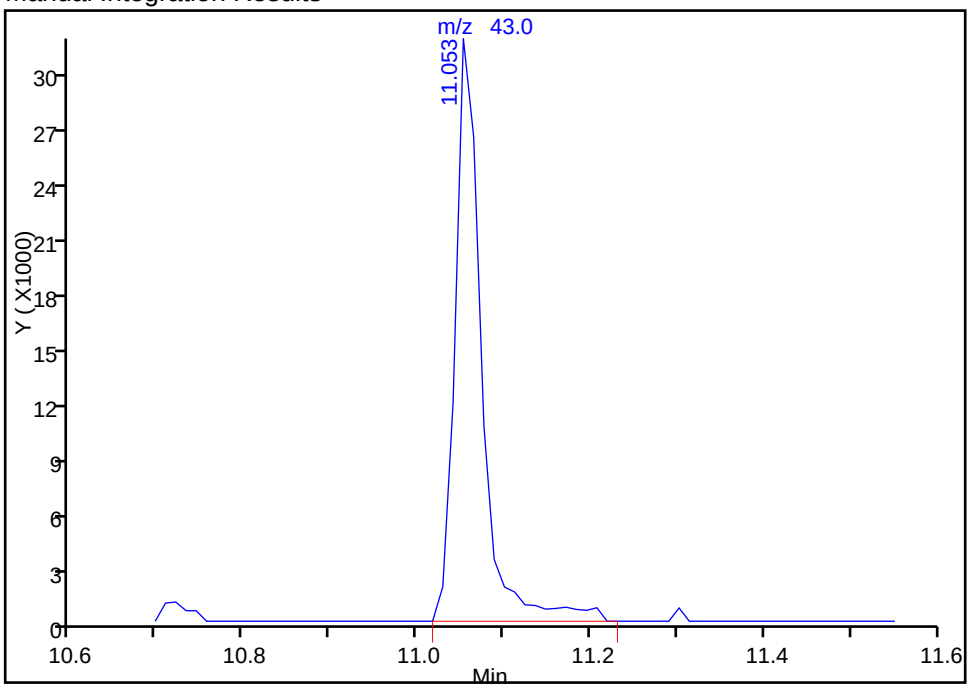
Processing Integration Results

RT: 11.05
Area: 62313
Amount: 9.110161
Amount Units: ug/L



Manual Integration Results

RT: 11.05
Area: 66386
Amount: 9.633924
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:26:52
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Dec-2015 15:58:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049159-007
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:27 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:33:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124682	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	90	258461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	249388	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	164539	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	95842	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	545675	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	190003	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	68873	5.00	5.33	
12 Chloromethane	50	4.839	4.839	0.000	98	67311	5.00	4.97	
13 Vinyl chloride	62	5.076	5.076	0.000	97	60991	5.00	5.19	
151 Butadiene	54	5.124	5.124	0.000	90	61507	5.00	5.04	
14 Bromomethane	94	5.669	5.669	0.000	92	41732	5.00	5.17	
15 Chloroethane	64	5.823	5.823	0.000	99	39844	5.00	5.31	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	101423	5.00	5.10	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	100135	5.00	5.36	
18 Ethyl ether	59	6.475	6.475	0.000	94	47681	5.00	4.97	
20 Acrolein	56	6.724	6.724	0.000	98	36038	25.0	22.2	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	54371	5.00	5.28	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	47858	5.00	5.11	
23 Acetone	43	6.879	6.879	0.000	98	67910	25.0	23.6	
25 Iodomethane	142	7.045	7.045	0.000	98	90709	5.00	5.02	
26 Carbon disulfide	76	7.140	7.140	0.000	99	188874	5.00	5.10	
27 Methyl acetate	43	7.163	7.163	0.000	98	168697	25.0	23.3	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	85486	5.00	4.99	
30 Methylene Chloride	84	7.341	7.341	0.000	98	63925	5.00	5.28	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	49610	50.0	52.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	147612	5.00	4.93	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	94	49693	5.00	4.98	
33 Acrylonitrile	53	7.578	7.578	0.000	99	174657	50.0	48.5	
35 Hexane	57	7.709	7.709	0.000	93	79550	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	196465	10.0	9.32	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	100710	5.00	5.24	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	109341	25.0	25.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	81591	5.00	5.20	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	55801	5.00	5.07	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	28661	5.00	5.35	
50 Chloroform	83	8.705	8.705	0.000	96	98075	5.00	4.98	
49 Tetrahydrofuran	42	8.705	8.705	0.000	52	32166	10.0	10.3	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	88123	5.00	5.24	
52 Cyclohexane	56	8.906	8.906	0.000	92	105269	5.00	5.43	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	50081	125.0	109.7	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	71288	5.00	5.11	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	80398	5.00	5.40	
57 Benzene	78	9.179	9.179	0.000	97	199077	5.00	5.10	
59 n-Heptane	43	9.191	9.191	0.000	94	73499	5.00	4.78	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	81864	5.00	4.92	
62 Trichloroethene	95	9.654	9.654	0.000	94	53953	5.00	5.03	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	84789	5.00	5.34	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	91	53902	5.00	5.24	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	5983	100.0	128.7	M
67 Dibromomethane	93	9.997	9.997	0.000	93	34829	5.00	5.23	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	73129	5.00	5.06	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	32595	5.00	5.00	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	80746	5.00	4.97	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	97	242968	25.0	24.6	
74 Toluene	92	10.650	10.650	0.000	97	126488	5.00	5.29	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	56572	5.00	4.90	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	74855	5.00	5.06	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	37239	5.00	5.07	
80 2-Hexanone	43	11.053	11.053	0.000	97	161891	25.0	23.7	
81 Tetrachloroethene	166	11.088	11.088	0.000	95	59365	5.00	5.28	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	96	77415	5.00	5.19	
83 Chlorodibromomethane	129	11.337	11.337	0.000	89	54497	5.00	5.07	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	48062	5.00	5.07	
88 Ethylbenzene	91	11.812	11.812	0.000	97	242338	5.00	5.09	
87 Chlorobenzene	112	11.800	11.800	0.000	87	145561	5.00	5.19	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	90	57696	5.00	5.37	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	97888	5.00	5.31	
91 o-Xylene	106	12.239	12.239	0.000	98	95633	5.00	5.18	
92 Styrene	104	12.251	12.251	0.000	94	155933	5.00	5.17	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	253803	5.00	5.23	
95 Bromoform	173	12.523	12.523	0.000	93	31355	5.00	4.95	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	56353	5.00	5.02	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	81	20763	5.00	5.03	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	281944	5.00	5.05	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	84	19612	5.00	5.35	
101 Bromobenzene	156	12.915	12.915	0.000	92	64438	5.00	5.17	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	215472	5.00	5.20	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	57394	5.00	5.32	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	58007	5.00	5.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	47570	5.00	5.29	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	94	225098	5.00	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	271164	5.00	5.30	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	229151	5.00	5.27	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	121966	5.00	5.08	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	123139	5.00	4.98	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	201429	5.00	5.26	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	119592	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.120	0.000	82	11740	5.00	4.87	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	82181	5.00	5.22	
120 Hexachlorobutadiene	225	16.247	16.247	0.000	93	35927	5.00	5.74	
121 Naphthalene	128	16.579	16.579	0.000	98	168846	5.00	4.92	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	74537	5.00	4.94	
S 125 1,2-Dichloroethene, Total	1				0			10.0	
S 126 1,3-Dichloropropene, Total	1				0			10.0	
S 123 Total BTEX	1				0			26.0	
S 124 Xylenes, Total	1				0			10.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

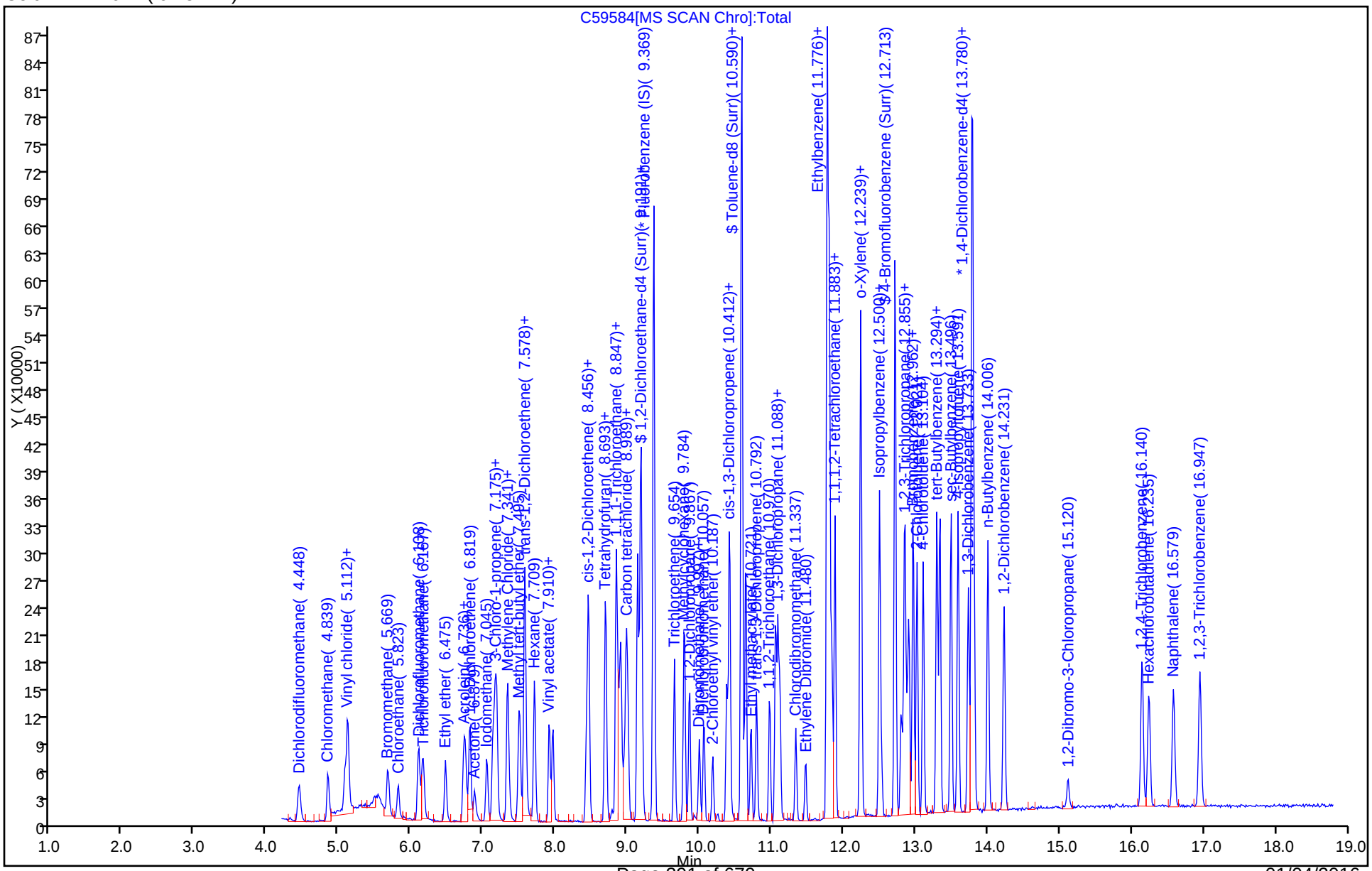
Report Date: 14-Dec-2015 11:36:29 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D

Injection Date:	11-Dec-2015 15:58:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

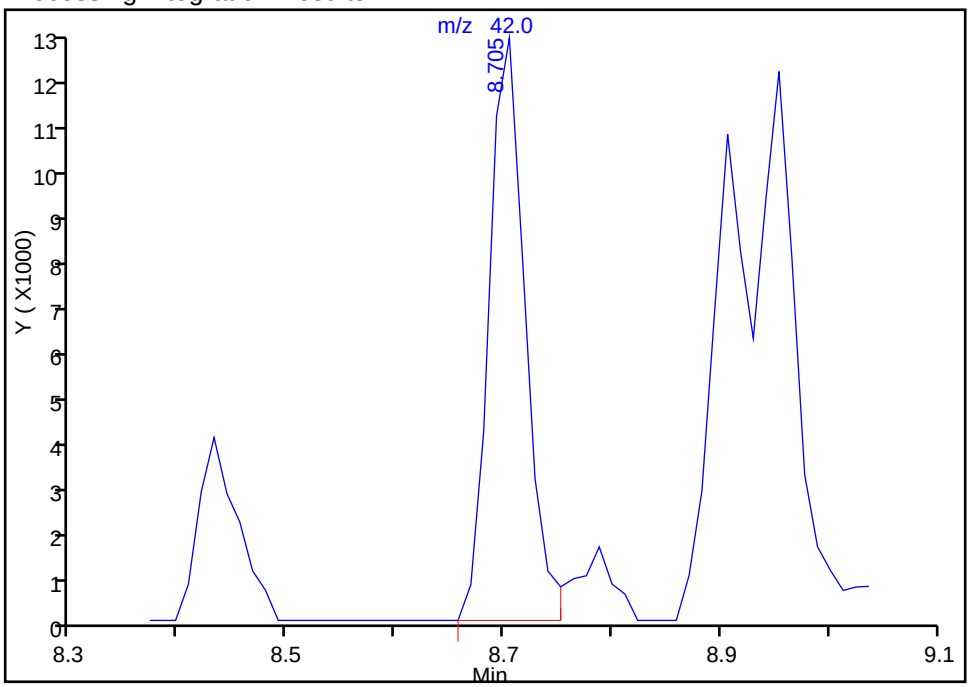
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Injection Date: 11-Dec-2015 15:58:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

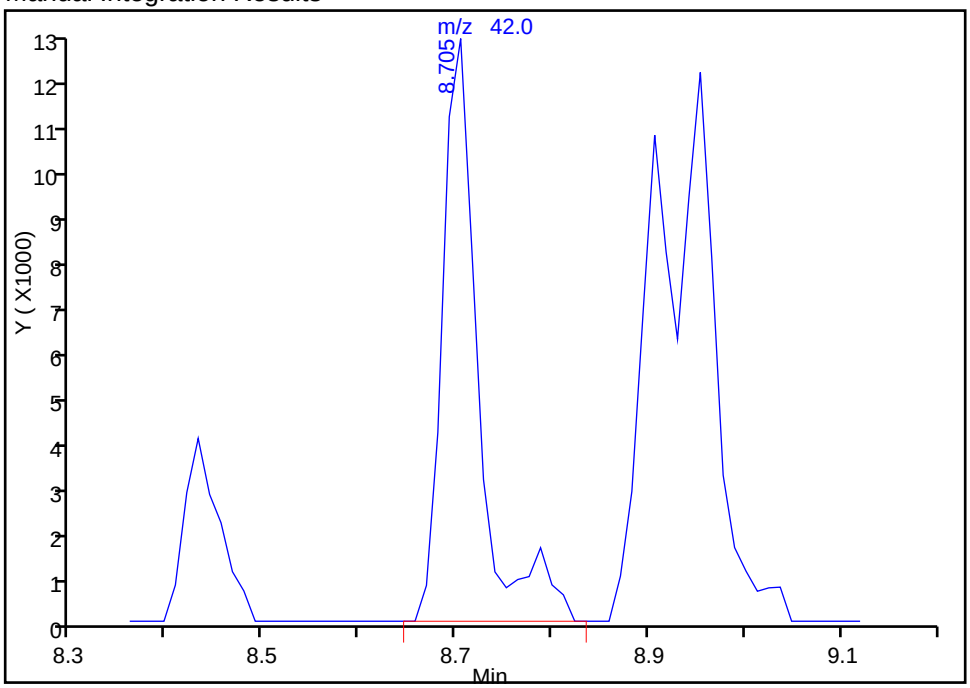
Processing Integration Results

RT: 8.70
Area: 28798
Amount: 9.377073
Amount Units: ug/L



Manual Integration Results

RT: 8.70
Area: 32166
Amount: 10.312187
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:27:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

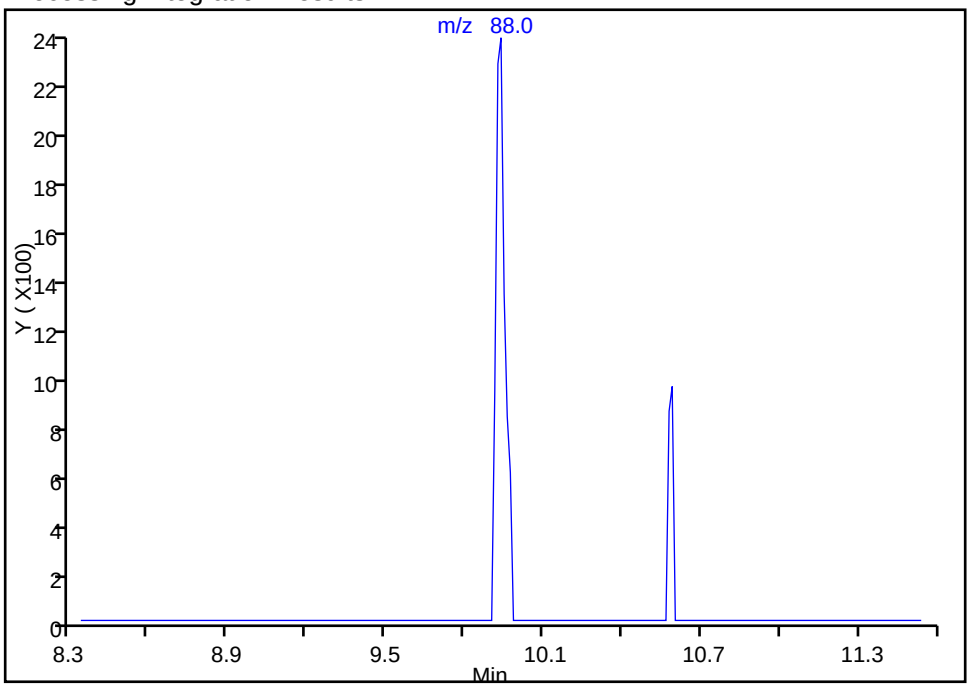
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
Injection Date: 11-Dec-2015 15:58:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: gtg ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

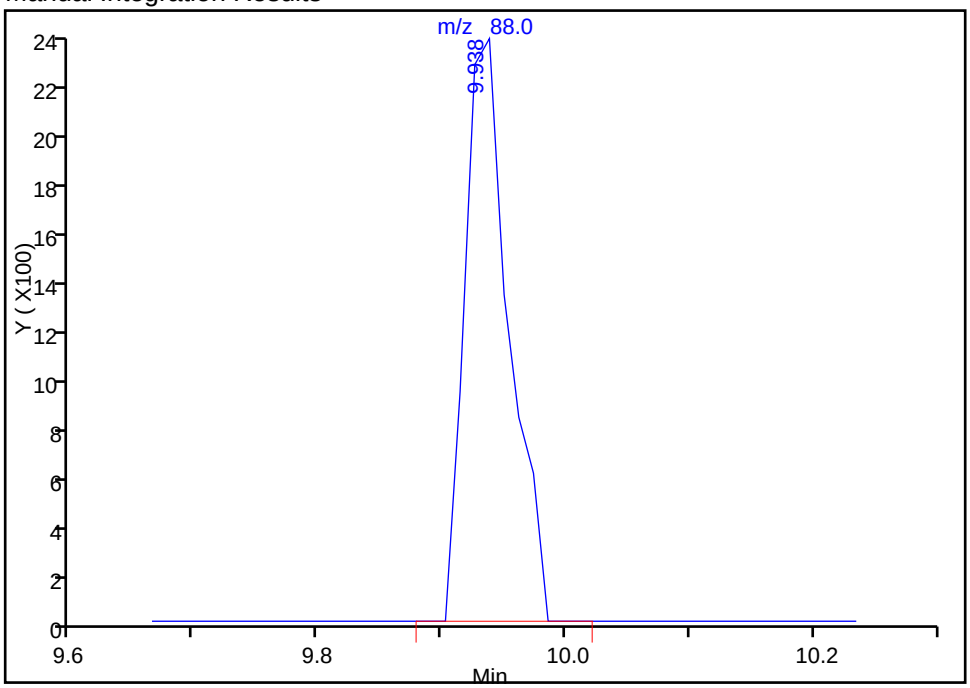
Not Detected
Expected RT: 9.94

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 5983
Amount: 128.7223
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:27:59
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Dec-2015 16:23:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0049159-008
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:32 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 08:29:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124794	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262097	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	254517	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164856	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	99673	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554801	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	191968	25.0	25.2	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	128034	10.0	9.90	
12 Chloromethane	50	4.839	4.839	0.000	99	123474	10.0	9.11	
13 Vinyl chloride	62	5.076	5.076	0.000	97	114760	10.0	9.76	
151 Butadiene	54	5.124	5.124	0.000	91	114226	10.0	9.34	
14 Bromomethane	94	5.681	5.669	0.012	93	78757	10.0	9.74	
15 Chloroethane	64	5.823	5.823	0.000	99	72948	10.0	9.72	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	189803	10.0	9.53	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	99	185448	10.0	9.92	
18 Ethyl ether	59	6.476	6.475	0.001	94	92829	10.0	9.66	
20 Acrolein	56	6.725	6.724	0.001	99	81993	50.0	50.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	102186	10.0	9.92	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	89583	10.0	9.56	
23 Acetone	43	6.879	6.879	0.000	99	135788	50.0	47.1	
25 Iodomethane	142	7.057	7.045	0.012	99	174871	10.0	9.66	
26 Carbon disulfide	76	7.140	7.140	0.000	100	369103	10.0	9.96	
27 Methyl acetate	43	7.163	7.163	0.000	99	354504	50.0	48.9	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	80	161055	10.0	9.39	
30 Methylene Chloride	84	7.341	7.341	0.000	98	111404	10.0	10.1	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	93406	100.0	98.1	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	295444	10.0	9.87	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	98292	10.0	9.83	
33 Acrylonitrile	53	7.578	7.578	0.000	98	359064	100.0	99.5	
35 Hexane	57	7.709	7.709	0.000	92	152333	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	98	399500	20.0	18.9	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	187155	10.0	9.73	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	211935	50.0	48.5	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	149748	10.0	9.54	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	87	108818	10.0	9.88	
48 Chlorobromomethane	128	8.693	8.693	0.000	95	53939	10.0	10.1	
50 Chloroform	83	8.705	8.705	0.000	97	190133	10.0	9.65	
49 Tetrahydrofuran	42	8.705	8.705	0.000	54	59009	20.0	18.9	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	163546	10.0	9.71	
52 Cyclohexane	56	8.907	8.906	0.001	93	195000	10.0	10.0	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	105663	250.0	231.2	
54 1,1-Dichloropropene	75	8.990	8.978	0.012	94	138246	10.0	9.89	
55 Carbon tetrachloride	117	9.013	9.001	0.012	97	151188	10.0	10.2	
57 Benzene	78	9.179	9.179	0.000	97	376796	10.0	9.64	
59 n-Heptane	43	9.191	9.191	0.000	94	139863	10.0	9.08	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	162276	10.0	9.74	
62 Trichloroethene	95	9.654	9.654	0.000	95	106015	10.0	9.87	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	160717	10.0	10.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	102770	10.0	9.99	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	9027	200.0	185.4	M
67 Dibromomethane	93	9.998	9.997	0.001	95	66863	10.0	10.0	
68 Dichlorobromomethane	83	10.069	10.057	0.012	97	142654	10.0	9.87	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	65248	10.0	10.0	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	161028	10.0	9.89	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	98	501918	50.0	50.1	
74 Toluene	92	10.650	10.650	0.000	98	240345	10.0	9.92	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	118377	10.0	10.1	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	151139	10.0	10.1	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	74593	10.0	10.0	
80 2-Hexanone	43	11.053	11.053	0.000	96	338870	50.0	48.9	
81 Tetrachloroethene	166	11.089	11.088	0.001	96	114740	10.0	10.1	
82 1,3-Dichloropropane	76	11.124	11.112	0.012	94	151660	10.0	10.0	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	107977	10.0	9.91	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	95362	10.0	9.92	
88 Ethylbenzene	91	11.800	11.812	-0.012	96	464541	10.0	9.61	
87 Chlorobenzene	112	11.800	11.800	0.000	87	278417	10.0	9.78	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	107030	10.0	9.83	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	187387	10.0	10.0	
91 o-Xylene	106	12.239	12.239	0.000	98	184399	10.0	9.84	
92 Styrene	104	12.251	12.251	0.000	94	307155	10.0	10.0	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	482612	10.0	9.75	
95 Bromoform	173	12.523	12.523	0.000	94	63975	10.0	9.96	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	110951	10.0	9.69	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.832	-0.012	83	41368	10.0	9.82	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	555749	10.0	9.75	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	38771	10.0	10.4	
101 Bromobenzene	156	12.915	12.915	0.000	91	127962	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	417285	10.0	9.87	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	108529	10.0	9.86	
105 4-Chlorotoluene	126	13.105	13.104	0.000	99	113996	10.0	9.74	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	90191	10.0	9.82	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	95	420664	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	515360	10.0	9.87	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	430176	10.0	9.70	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	238573	10.0	9.74	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	243233	10.0	9.64	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	380343	10.0	9.74	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	233673	10.0	9.78	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.120	-0.011	81	23726	10.0	9.63	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	159922	10.0	9.96	
120 Hexachlorobutadiene	225	16.235	16.247	-0.012	93	61775	10.0	9.67	
121 Naphthalene	128	16.579	16.579	0.000	97	352178	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	150520	10.0	9.77	
S 125 1,2-Dichloroethene, Total	1				0			19.7	
S 126 1,3-Dichloropropene, Total	1				0			20.0	
S 123 Total BTEX	1				0			49.0	
S 124 Xylenes, Total	1				0			19.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

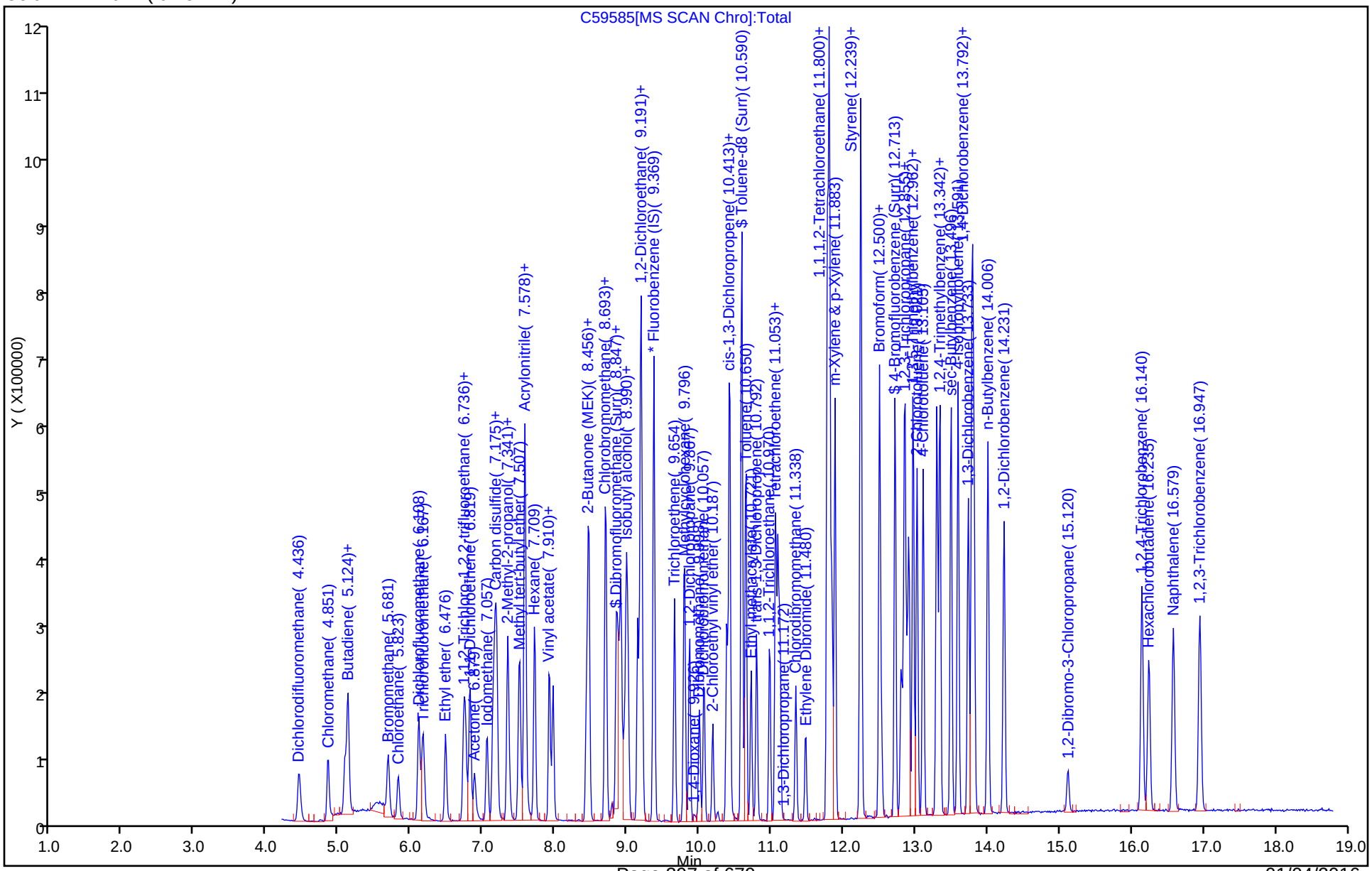
Report Date: 14-Dec-2015 11:36:35 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D

Injection Date:	11-Dec-2015 16:23:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

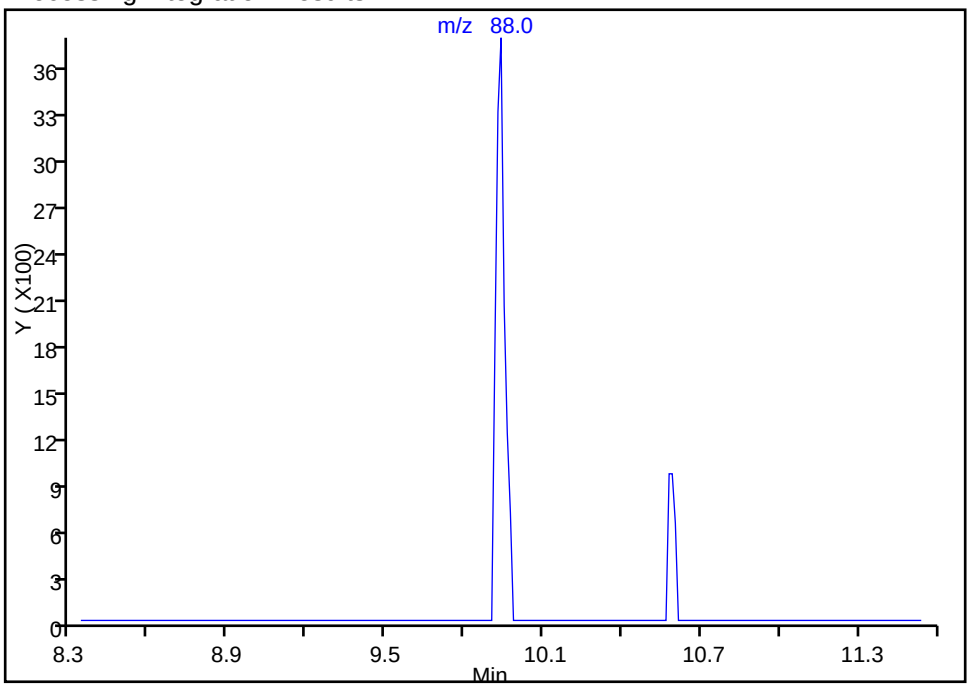
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D
Injection Date: 11-Dec-2015 16:23:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: gtg ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

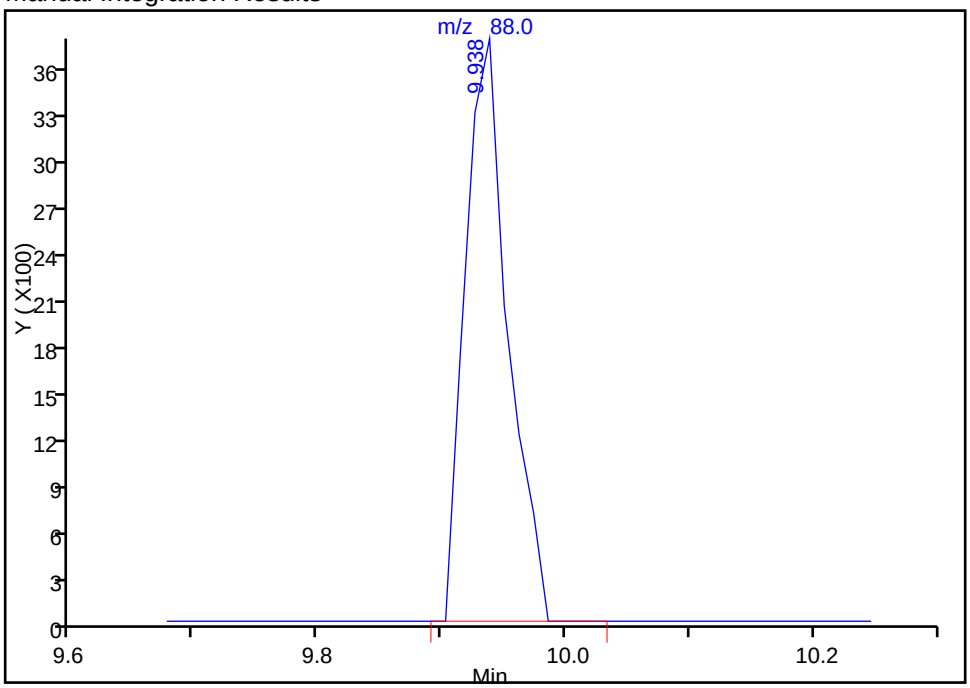
Not Detected
Expected RT: 9.94

Processing Integration Results



Manual Integration Results

RT: 9.94
Area: 9027
Amount: 185.4204
Amount Units: ug/L



Reviewer: goliszekg, 14-Dec-2015 07:28:56
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59586.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 11-Dec-2015 16:49:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0049159-009
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 12:05:05 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 14-Dec-2015 11:35:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	123769	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	88	261294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	69	255093	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	56	162623	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98842	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554868	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	84	191601	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	98	301041	25.0	23.5	
12 Chloromethane	50	4.851	4.851	0.000	100	296363	25.0	22.0	
13 Vinyl chloride	62	5.088	5.088	0.000	84	269390	25.0	23.1	
151 Butadiene	54	5.124	5.124	0.000	90	276552	25.0	22.8	
14 Bromomethane	94	5.693	5.693	0.000	92	188702	25.0	23.5	
15 Chloroethane	64	5.823	5.823	0.000	94	170477	25.0	22.9	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	83	450516	25.0	22.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	84	444926	25.0	24.0	
18 Ethyl ether	59	6.475	6.475	0.000	95	232641	25.0	24.4	
20 Acrolein	56	6.724	6.724	0.000	93	208190	125.0	129.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	86	250972	25.0	24.6	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	88	218187	25.0	23.5	
23 Acetone	43	6.879	6.879	0.000	97	333042	125.0	116.5	
25 Iodomethane	142	7.056	7.056	0.000	99	435242	25.0	24.2	
26 Carbon disulfide	76	7.139	7.139	0.000	99	890715	25.0	24.2	
27 Methyl acetate	43	7.163	7.163	0.000	98	875911	125.0	121.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	390001	25.0	22.9	
30 Methylene Chloride	84	7.341	7.341	0.000	97	258368	25.0	25.3	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	89	239984	250.0	254.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	92	728174	25.0	24.5	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	82	233007	25.0	23.5	
33 Acrylonitrile	53	7.578	7.578	0.000	96	901952	250.0	252.1	
35 Hexane	57	7.709	7.709	0.000	93	368751	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	1047914	50.0	50.1	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	462601	25.0	24.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	532235	125.0	122.7	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	74	368673	25.0	23.7	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	73	260887	25.0	23.9	
48 Chlorobromomethane	128	8.693	8.693	0.000	80	135818	25.0	25.5	
50 Chloroform	83	8.705	8.705	0.000	95	457027	25.0	23.4	
49 Tetrahydrofuran	42	8.705	8.705	0.000	56	147313	50.0	47.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	91	401495	25.0	24.0	
52 Cyclohexane	56	8.906	8.906	0.000	93	483618	25.0	25.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	90	265080	625.0	584.9	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	88	331785	25.0	23.9	
55 Carbon tetrachloride	117	9.013	9.013	0.000	88	372892	25.0	25.2	
57 Benzene	78	9.179	9.179	0.000	98	929895	25.0	24.0	
59 n-Heptane	43	9.191	9.191	0.000	69	347482	25.0	22.8	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	86	402877	25.0	24.4	
62 Trichloroethene	95	9.653	9.653	0.000	94	254002	25.0	23.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	395124	25.0	25.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	89	256361	25.0	25.1	
66 1,4-Dioxane	88	9.926	9.926	0.000	75	25442	500.0	501.4	
67 Dibromomethane	93	9.997	9.997	0.000	86	164539	25.0	24.9	
68 Dichlorobromomethane	83	10.069	10.069	0.000	83	360701	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	167713	25.0	25.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	88	405394	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	98	1263853	125.0	126.5	
74 Toluene	92	10.650	10.650	0.000	92	586489	25.0	24.3	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	308070	25.0	26.4	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	89	386386	25.0	25.8	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	184006	25.0	24.8	
80 2-Hexanone	43	11.053	11.053	0.000	88	874175	125.0	126.5	
81 Tetrachloroethene	166	11.088	11.088	0.000	89	281396	25.0	24.8	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	76	371353	25.0	24.6	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	277322	25.0	25.5	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	244810	25.0	25.5	
87 Chlorobenzene	112	11.800	11.800	0.000	80	690022	25.0	24.3	
88 Ethylbenzene	91	11.800	11.800	0.000	91	1145546	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	67	265675	25.0	24.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	463607	25.0	24.9	
91 o-Xylene	106	12.239	12.239	0.000	86	466939	25.0	25.0	
92 Styrene	104	12.250	12.250	0.000	93	768947	25.0	25.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1188422	25.0	23.9	
95 Bromoform	173	12.523	12.523	0.000	92	168211	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	82	285910	25.0	24.9	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	86	108283	25.0	25.7	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	1373894	25.0	24.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	66	94280	25.0	25.1	
101 Bromobenzene	156	12.915	12.915	0.000	59	312896	25.0	24.5	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	68	1033241	25.0	24.4	
103 2-Chlorotoluene	126	13.021	13.021	0.000	85	270342	25.0	24.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	286445	25.0	24.4	
106 tert-Butylbenzene	134	13.294	13.294	0.000	91	218419	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	97	1070211	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1278275	25.0	24.4	
110 4-Isopropyltoluene	119	13.590	13.590	0.000	94	1074914	25.0	24.2	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	598020	25.0	24.4	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	614583	25.0	24.3	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	951266	25.0	24.3	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	586467	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	63	58036	25.0	23.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	413180	25.0	25.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	86	162484	25.0	25.4	
121 Naphthalene	128	16.579	16.579	0.000	97	937548	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	95	398306	25.0	25.8	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00125	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

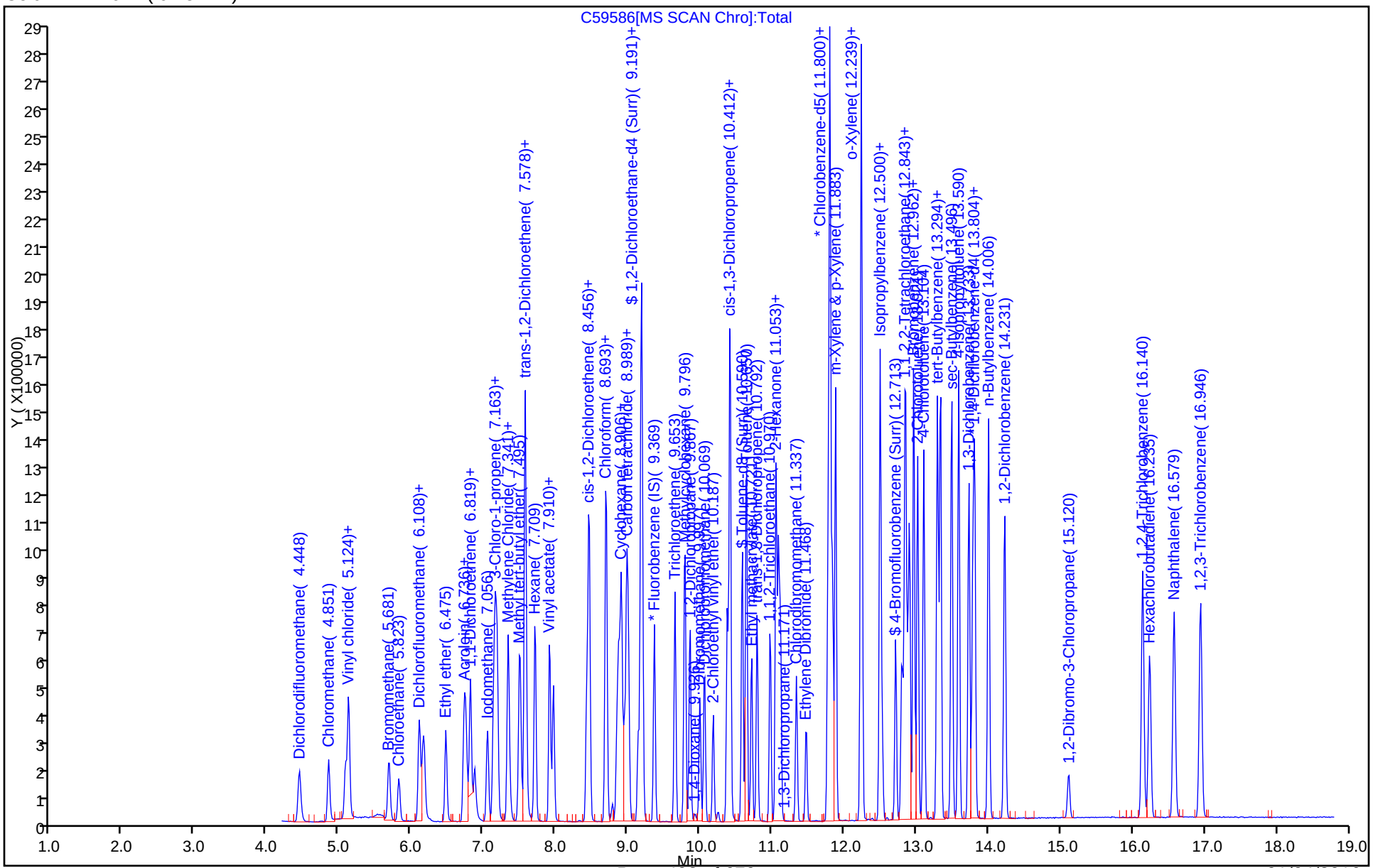
Report Date: 14-Dec-2015 12:05:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59586.D

Injection Date:	11-Dec-2015 16:49:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Dec-2015 17:15:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049159-010
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:41 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:36:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	121151	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260248	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	249414	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	163409	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	101417	25.0	26.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	543933	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	191779	25.0	25.4	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	624086	50.0	49.7	
12 Chloromethane	50	4.851	4.851	0.000	99	594435	50.0	45.2	
13 Vinyl chloride	62	5.088	5.088	0.000	98	549792	50.0	48.2	
151 Butadiene	54	5.124	5.124	0.000	90	545132	50.0	45.9	
14 Bromomethane	94	5.681	5.693	-0.012	92	376714	50.0	48.0	
15 Chloroethane	64	5.823	5.823	0.000	99	343093	50.0	47.1	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	99	904395	50.0	46.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	893289	50.0	49.2	
18 Ethyl ether	59	6.476	6.475	0.001	95	457670	50.0	49.0	
20 Acrolein	56	6.725	6.724	0.001	99	410530	250.0	259.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	498342	50.0	49.8	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	93	430119	50.0	47.3	
23 Acetone	43	6.879	6.879	0.000	99	660829	250.0	236.2	
25 Iodomethane	142	7.057	7.056	0.001	99	852791	50.0	48.5	
26 Carbon disulfide	76	7.140	7.139	0.001	100	1767200	50.0	49.1	
27 Methyl acetate	43	7.163	7.163	0.000	98	1750098	250.0	248.6	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	752080	50.0	45.1	
30 Methylene Chloride	84	7.341	7.341	0.000	98	487918	50.0	49.9	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	99	491802	500.0	532.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	97	1442898	50.0	49.6	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	460987	50.0	47.5	
33 Acrylonitrile	53	7.578	7.578	0.000	98	1775189	500.0	506.9	
35 Hexane	57	7.709	7.709	0.000	93	716994	50.0	47.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	2114769	100.0	103.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	98	900771	50.0	48.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	1066040	250.0	251.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	722839	50.0	47.4	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	518972	50.0	48.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	264196	50.0	50.7	
50 Chloroform	83	8.705	8.705	0.000	95	886828	50.0	46.4	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	60	290119	100.0	95.7	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	787406	50.0	48.2	
52 Cyclohexane	56	8.907	8.906	0.001	93	944857	50.0	50.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	97	552301	1250.0	1245.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	655936	50.0	48.4	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	736487	50.0	50.9	
57 Benzene	78	9.179	9.179	0.000	98	1803239	50.0	47.5	
59 n-Heptane	43	9.191	9.191	0.000	92	652690	50.0	43.7	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	778508	50.0	48.1	
62 Trichloroethene	95	9.654	9.653	0.001	96	498820	50.0	47.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	785929	50.0	51.0	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	488661	50.0	48.9	
66 1,4-Dioxane	88	9.926	9.926	0.000	96	56306	1000.0	1098.8	
67 Dibromomethane	93	9.998	9.997	0.001	96	325082	50.0	50.2	
68 Dichlorobromomethane	83	10.069	10.069	0.001	98	707212	50.0	50.4	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	337670	50.0	53.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	803243	50.0	50.8	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	2486207	250.0	249.8	
74 Toluene	92	10.650	10.650	0.000	98	1151776	50.0	47.9	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	620135	50.0	53.3	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	763245	50.0	51.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	361465	50.0	48.9	
80 2-Hexanone	43	11.053	11.053	0.000	97	1742886	250.0	253.2	
81 Tetrachloroethene	166	11.089	11.088	0.000	96	546309	50.0	48.3	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	729302	50.0	48.5	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	553748	50.0	51.2	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	476701	50.0	49.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	1343077	50.0	47.5	
88 Ethylbenzene	91	11.800	11.800	0.000	95	2267405	50.0	47.3	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	93	534082	50.0	49.4	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	903371	50.0	48.6	
91 o-Xylene	106	12.239	12.239	0.000	98	905289	50.0	48.7	
92 Styrene	104	12.239	12.250	-0.011	94	1527311	50.0	50.3	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	2330372	50.0	48.0	
95 Bromoform	173	12.523	12.523	0.000	94	349734	50.0	54.9	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	571845	50.0	51.0	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	218016	50.0	52.8	
99 N-Propylbenzene	91	12.855	12.855	0.000	99	2677889	50.0	47.9	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	188045	50.0	51.3	
101 Bromobenzene	156	12.903	12.915	-0.012	92	616078	50.0	49.4	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	2025395	50.0	48.9	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	534694	50.0	49.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	559249	50.0	48.8	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	433546	50.0	48.2	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	2085528	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	2518596	50.0	49.2	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	2113048	50.0	48.6	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	1178335	50.0	49.1	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	1196637	50.0	48.4	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	1879092	50.0	49.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	1158831	50.0	49.5	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	83	121920	50.0	50.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	825949	50.0	52.5	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	96	325088	50.0	51.9	
121 Naphthalene	128	16.579	16.579	0.000	97	1914342	50.0	55.8	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	796908	50.0	52.8	
S 125 1,2-Dichloroethene, Total	1				0			96.1	
S 126 1,3-Dichloropropene, Total	1				0			102.1	
S 123 Total BTEX	1				0			240.0	
S 124 Xylenes, Total	1				0			97.3	

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL	
GAS CORP mix_00125	Amount Added: 25.00	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

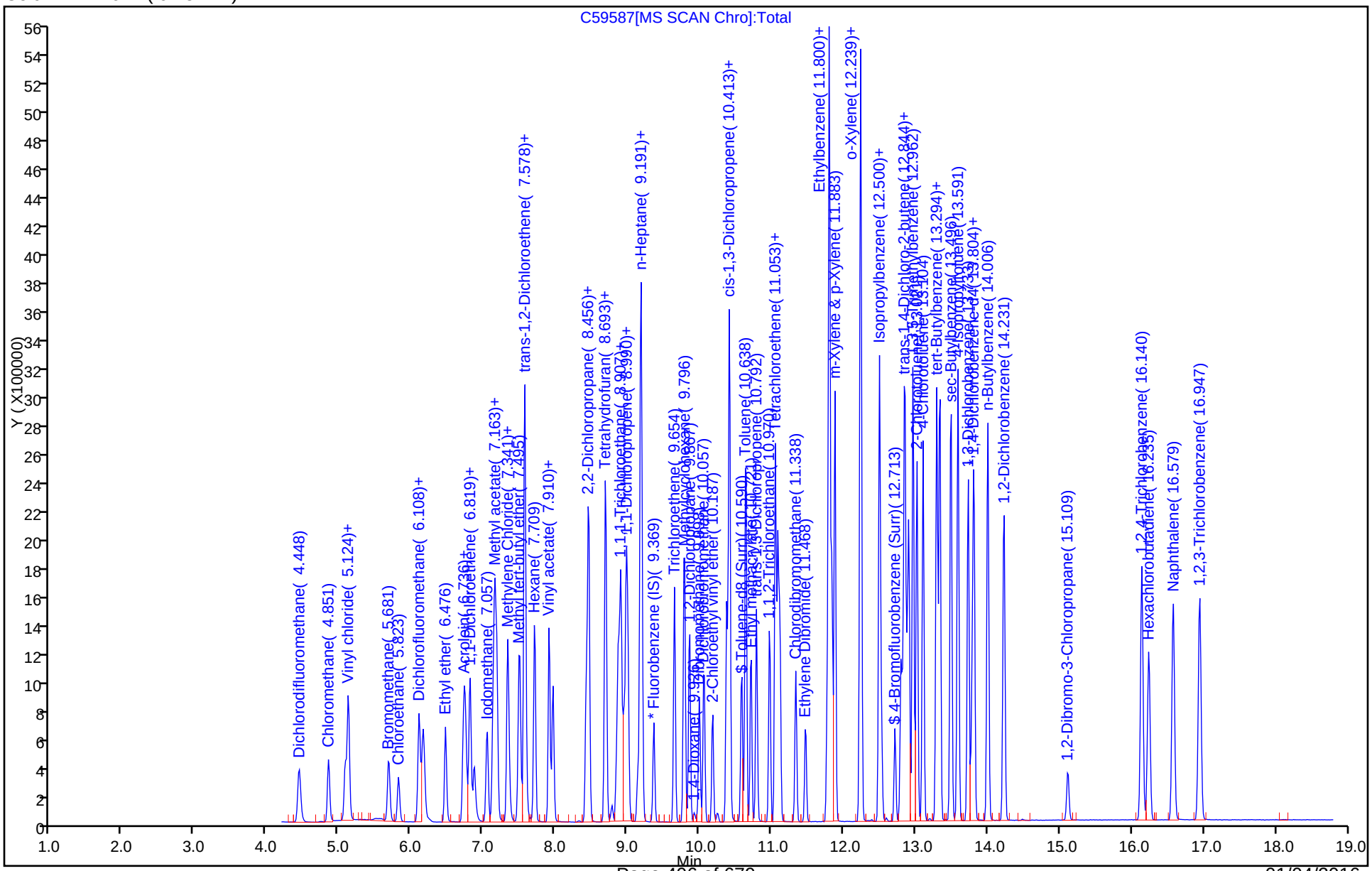
Report Date: 14-Dec-2015 11:36:43 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D

Injection Date:	11-Dec-2015 17:15:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 11-Dec-2015 17:40:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0049159-011
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:45 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 12-Dec-2015 14:37:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	119541	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	264321	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	254989	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162889	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	97174	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552249	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	192499	25.0	25.1	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	1253697	100.0	101.2	
12 Chloromethane	50	4.851	4.851	0.000	99	1184747	100.0	91.2	
13 Vinyl chloride	62	5.088	5.088	0.000	99	1095567	100.0	97.3	
151 Butadiene	54	5.136	5.124	0.012	89	1094079	100.0	93.4	
14 Bromomethane	94	5.693	5.693	0.000	93	765682	100.0	98.9	
15 Chloroethane	64	5.823	5.823	0.000	99	697199	100.0	97.0	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	1811787	100.0	95.0	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	1789987	100.0	100.0	
18 Ethyl ether	59	6.476	6.475	0.001	94	903468	100.0	98.1	
20 Acrolein	56	6.725	6.724	0.001	100	813481	500.0	521.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	967757	100.0	98.0	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	95	838571	100.0	93.4	
23 Acetone	43	6.867	6.879	-0.012	99	1283666	500.0	465.0	
25 Iodomethane	142	7.057	7.056	0.001	99	1689113	100.0	97.4	
26 Carbon disulfide	76	7.140	7.139	0.001	100	3436586	100.0	96.8	
27 Methyl acetate	43	7.163	7.163	0.000	98	3409975	500.0	490.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	1470250	100.0	89.4	
30 Methylene Chloride	84	7.341	7.341	0.000	97	948203	100.0	99.6	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	920862	1000.0	1009.8	
32 Methyl tert-butyl ether	73	7.495	7.507	-0.012	98	2821527	100.0	98.4	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	888987	100.0	92.8	
33 Acrylonitrile	53	7.578	7.578	0.000	99	3466555	1000.0	1003.1	
35 Hexane	57	7.709	7.709	0.000	93	1377751	100.0	92.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.911	7.910	0.000	97	4201250	200.0	208.0	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	1766687	100.0	95.9	
43 2-Butanone (MEK)	43	8.420	8.432	-0.012	100	2103349	500.0	502.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	91	1414492	100.0	94.1	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	1008638	100.0	95.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	96	516586	100.0	100.5	
50 Chloroform	83	8.705	8.705	0.000	97	1730371	100.0	91.7	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	62	562460	200.0	188.1	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	1543925	100.0	95.7	
52 Cyclohexane	56	8.907	8.906	0.001	93	1830685	100.0	98.4	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	1048782	2500.0	2396.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	1272727	100.0	95.1	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	1438923	100.0	100.9	
57 Benzene	78	9.179	9.179	0.000	98	3501246	100.0	93.5	
59 n-Heptane	43	9.191	9.191	0.000	92	1268418	100.0	86.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	1496062	100.0	93.8	
62 Trichloroethene	95	9.654	9.653	0.001	95	981309	100.0	95.4	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	1525166	100.0	100.2	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	93	975951	100.0	99.0	
66 1,4-Dioxane	88	9.926	9.926	0.000	98	99175	2000.0	1896.3	
67 Dibromomethane	93	9.998	9.997	0.001	95	636303	100.0	99.7	
68 Dichlorobromomethane	83	10.057	10.069	-0.011	98	1401924	100.0	101.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	661248	100.0	105.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	1594522	100.0	102.3	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	4859187	500.0	480.7	
74 Toluene	92	10.638	10.650	-0.012	98	2259465	100.0	92.5	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	1239978	100.0	105.0	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	1510957	100.0	99.9	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	719138	100.0	95.7	
80 2-Hexanone	43	11.053	11.053	0.000	96	3408963	500.0	487.5	
81 Tetrachloroethene	166	11.089	11.088	0.001	98	1085325	100.0	94.4	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	1440933	100.0	94.4	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	1118399	100.0	101.8	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	949073	100.0	97.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	2662215	100.0	92.7	
88 Ethylbenzene	91	11.800	11.800	0.000	95	4416277	100.0	90.6	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	94	1059719	100.0	96.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	1770809	100.0	93.9	
91 o-Xylene	106	12.239	12.239	0.000	97	1781894	100.0	94.3	
92 Styrene	104	12.239	12.250	-0.011	94	3026047	100.0	98.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	4600013	100.0	92.7	
95 Bromoform	173	12.523	12.523	0.000	94	709342	100.0	109.6	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	1133347	100.0	98.8	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	442481	100.0	104.9	
99 N-Propylbenzene	91	12.844	12.855	-0.011	98	5251776	100.0	92.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	366522	100.0	97.8	
101 Bromobenzene	156	12.903	12.915	-0.012	92	1219050	100.0	95.6	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	3990713	100.0	94.3	
103 2-Chlorotoluene	126	13.022	13.021	0.001	96	1058966	100.0	96.0	
105 4-Chlorotoluene	126	13.105	13.104	0.001	99	1114536	100.0	95.0	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	855894	100.0	93.0	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	4146539	100.0	95.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	4956140	100.0	94.7	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	4200316	100.0	94.5	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	2368902	100.0	96.5	
113 1,4-Dichlorobenzene	146	13.804	13.816	-0.012	95	2377070	100.0	94.0	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	3761182	100.0	96.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	2300155	100.0	96.1	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	85	241937	100.0	98.1	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	1676862	100.0	104.2	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	95	656815	100.0	102.6	
121 Naphthalene	128	16.579	16.579	0.000	97	3916853	100.0	111.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	1600126	100.0	103.7	
S 125 1,2-Dichloroethene, Total	1				0			188.5	
S 126 1,3-Dichloropropene, Total	1				0			202.2	
S 123 Total BTEX	1				0			464.8	
S 124 Xylenes, Total	1				0			188.2	

Reagents:

8260 CORP mix_00061	Amount Added: 50.00	Units: uL	
GAS CORP mix_00125	Amount Added: 50.00	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

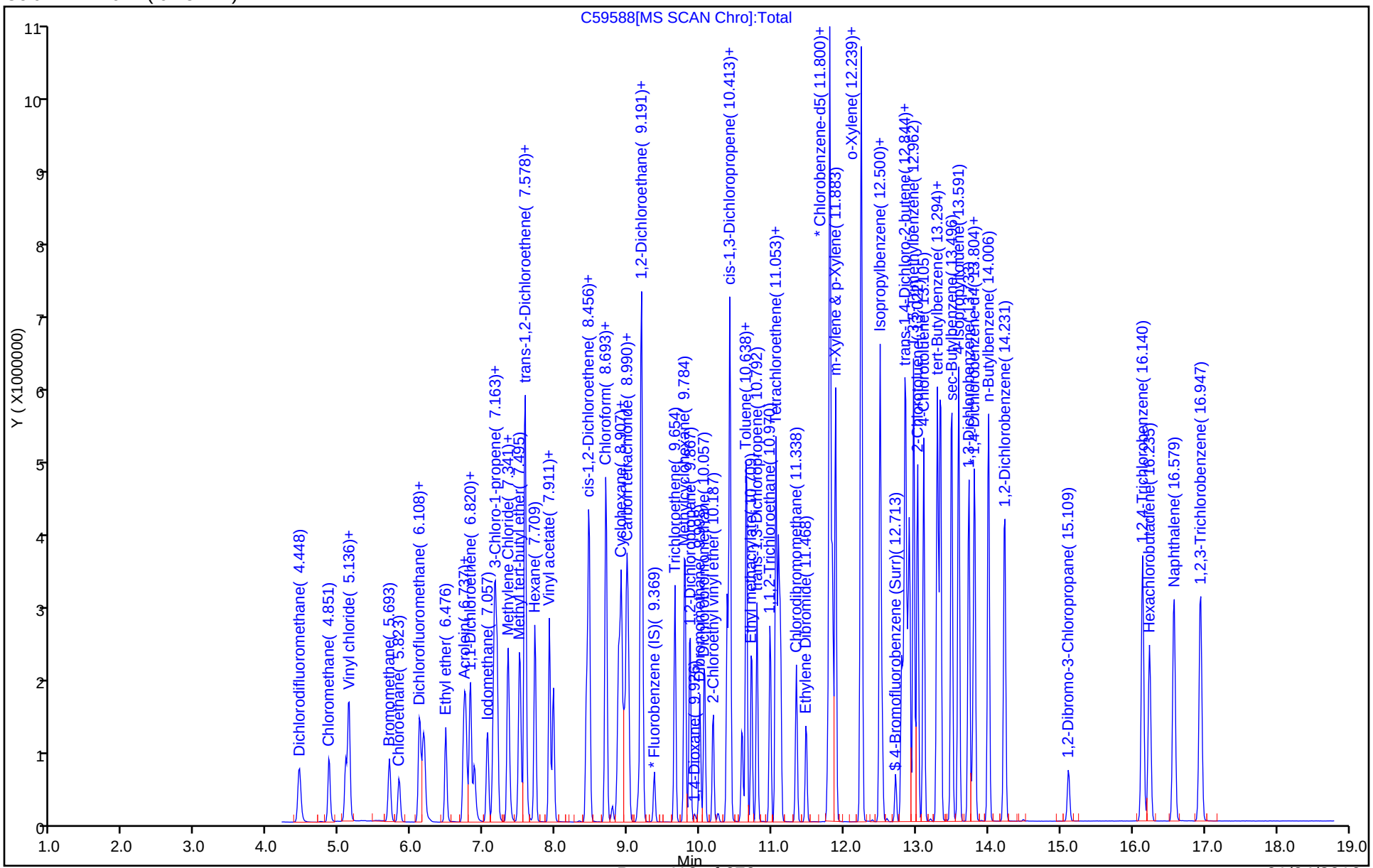
Report Date: 14-Dec-2015 11:36:47 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D

Injection Date:	11-Dec-2015 17:40:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-277678/3	P1877.D
Level 2	IC 480-277678/4	P1878.D
Level 3	IC 480-277678/5	P1879.D
Level 4	IC 480-277678/6	P1880.D
Level 5	ICIS 480-277678/7	P1881.D
Level 6	IC 480-277678/8	P1882.D
Level 7	IC 480-277678/9	P1883.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7126 1.5082	1.7883 1.2642	1.6420	1.5422	1.6692	Ave		1.5895			0.1000	10.8		20.0			
Chloromethane	1.5751 1.4157	1.4143 1.3596	1.4166	1.3545	1.4234	Ave		1.4227			0.1000	5.1		20.0			
Vinyl chloride	1.1290 1.1161	1.2154 0.9834	1.1097	1.1450	1.1826	Ave		1.1259			0.1000	6.5		20.0			
Butadiene	0.9915 1.0737	1.0187 0.9735	0.9968	1.0498	1.1396	Ave		1.0348				5.6		20.0			
Bromomethane	0.6444 0.6252	0.6708 0.6647	0.6049	0.6091	0.7155	Ave		0.6478			0.1000	6.1		20.0			
Chloroethane	0.7295 0.6956	0.6950 0.6930	0.7062	0.7053	0.7529	Ave		0.7111			0.1000	3.1		20.0			
Dichlorofluoromethane	2.6010 2.2858	2.6812 2.1455	2.4541	2.4609	2.6596	Ave		2.4697				8.1		20.0			
Trichlorofluoromethane	1.9344 1.9813	2.1411 1.7220	1.9442	2.0880	2.1712	Ave		1.9975			0.1000	7.7		20.0			
Ethyl ether	1.4936 1.3373	1.4994 1.2872	1.4639	1.4099	1.4177	Ave		1.4156				5.6		20.0			
Acrolein	0.2997 0.2946	0.3328 0.2784	0.3090	0.3153	0.2975	Ave		0.3039				5.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.9364 1.4582	1.8955 1.2373	1.7374	1.7347	1.6661	Ave		1.6665			0.1000	14.7		20.0			
1,1-Dichloroethene	2.0196 1.4073	1.9166 1.1892	1.7808	1.7302	1.6310	Ave		1.6678			0.1000	17.3		20.0			
Acetone	0.6588 0.5183	0.6484 0.4901	0.5838	0.5805	0.5310	Ave		0.5730			0.1000	11.2		20.0			
Iodomethane	2.7041 2.3694	2.7973 2.1614	2.6341	2.6090	2.5558	Ave		2.5473				8.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	1.4299 1.2030	1.5071 1.0278	1.4050	1.3597	1.2574	Ave		1.3128			0.1000	12.4		20.0			
Carbon disulfide	5.7193 4.6643	5.7256 4.1068	5.4048	5.3261	5.2289	Ave		5.1680			0.1000	11.4		20.0			
Allyl chloride	2.9677 2.5869	2.9908 2.3213	2.8165	2.8071	2.8363	Ave		2.7609				8.5		20.0			
Methylene Chloride	2.5924 1.4506	2.1048 1.3504	1.8191	1.6504	1.5721	Lin1	3.6271	1.3846			0.1000				0.9970		0.9900
2-Methyl-2-propanol	0.1784 0.1880	0.2022 0.1844	0.1820	0.1890	0.1795	Ave		0.1862				4.3		20.0			
Methyl tert-butyl ether	4.7593 4.1973	4.7843 3.8854	4.4857	4.5492	4.4938	Ave		4.4507			0.1000	7.1		20.0			
Acrylonitrile	0.6448 0.5483	0.6901 0.4687	0.6348	0.6399	0.5773	Ave		0.6006				12.4		20.0			
trans-1,2-Dichloroethene	1.5907 1.2170	1.6578 1.0589	1.5111	1.4333	1.3858	Ave		1.4078			0.1000	15.0		20.0			
Hexane	3.5028 2.3436	3.1653 2.1107	2.7650	2.7103	2.6966	Ave		2.7563				17.0		20.0			
Vinyl acetate	3.4049 3.3092	3.6453 2.7820	3.4463	3.5385	3.5103	Ave		3.3766				8.4		20.0			
1,1-Dichloroethane	3.4524 2.8519	3.3979 2.7080	3.2332	3.1265	3.1278	Ave		3.1282			0.2000	8.7		20.0			
2-Butanone (MEK)	0.8613 0.8091	0.9613 0.7418	0.8649	0.8644	0.8133	Ave		0.8452			0.1000	8.0		20.0			
cis-1,2-Dichloroethene	1.7199 1.3517	1.6780 1.2257	1.6007	1.5882	1.5215	Ave		1.5265			0.1000	11.7		20.0			
2,2-Dichloropropane	2.4139 1.9307	2.3205 1.7018	2.2370	2.2164	2.1574	Ave		2.1397				11.4		20.0			
Chlorobromomethane	0.8156 0.6701	0.7851 0.6109	0.7570	0.7446	0.7296	Ave		0.7304				9.5		20.0			
Tetrahydrofuran	0.5852 0.5067	0.6497 0.4540	0.5604	0.5733	0.5226	Ave		0.5503				11.4		20.0			
Chloroform	3.0825 2.4228	2.9718 2.2107	2.7771	2.7175	2.6678	Ave		2.6929			0.2000	11.2		20.0			
1,1,1-Trichloroethane	1.6496 1.8478	1.7207 1.7743	1.7805	1.8350	1.9261	Ave		1.7906			0.1000	5.0		20.0			
Cyclohexane	3.5252 2.9505	3.4414 2.5593	3.2335	3.3395	3.3093	Ave		3.1941			0.1000	10.5		20.0			
Isobutyl alcohol	0.0786 0.0833	0.0850 0.0776	0.0776	0.0834	0.0821	Ave		0.0811				3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.2560 1.7523	2.1835 1.5052	2.0890	2.0407	2.0042	Ave		1.9758				13.2		20.0			
Carbon tetrachloride	2.0964 1.8873	2.1256 1.6356	2.0416	2.0839	2.0992	Ave		1.9957			0.1000	8.9		20.0			
Benzene	6.3365 4.9578	6.0983 4.2785	5.6909	5.6691	5.5670	Ave		5.5140			0.5000	12.6		20.0			
1,2-Dichloroethane	2.8455 2.2273	2.7899 2.0476	2.5717	2.4940	2.4497	Ave		2.4894			0.1000	11.5		20.0			
n-Heptane	3.2723 2.5590	3.2224 2.2767	2.9473	3.0904	3.0385	Ave		2.9152				12.6		20.0			
Trichloroethene	1.6833 1.3682	1.5595 1.2687	1.5430	1.5184	1.5103	Ave		1.4931			0.2000	9.1		20.0			
Methylcyclohexane	2.7266 2.3524	2.7762 2.0925	2.5894	2.6843	2.6845	Ave		2.5580			0.1000	9.7		20.0			
1,2-Dichloropropane	1.7808 1.4894	1.7021 1.3994	1.5880	1.6337	1.6116	Ave		1.6007			0.1000	7.9		20.0			
1,4-Dioxane	0.0059 0.0063	0.0061 0.0061	0.0066	0.0060	0.0060	Ave		0.0061				3.7		20.0			
Dibromomethane	0.9400 0.8320	0.9247 0.7656	0.9151	0.9118	0.8930	Ave		0.8832			0.1000	7.1		20.0			
Bromodichloromethane	2.1050 1.9455	2.0859 1.8417	1.9817	2.0238	2.0724	Ave		2.0080			0.2000	4.6		20.0			
2-Chloroethyl vinyl ether	0.2487 0.3142	0.2810 0.3347	0.2765	0.3026	0.3134	Ave		0.2959				9.8		20.0			
cis-1,3-Dichloropropene	2.3245 2.3304	2.3530 2.2001	2.2872	2.3676	2.4223	Ave		2.3264			0.2000	3.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.8870 0.7683	0.9424 0.5755	0.9047	0.9005	0.8202	Ave		0.8284			0.1000	15.2		20.0			
Toluene	2.2369 1.5202	1.9341 1.3342	1.8608	1.8146	1.7298	Ave		1.7758			0.4000	16.4		20.0			
Ethyl methacrylate	0.6975 0.8069	0.7880 0.7532	0.7703	0.7982	0.8102	Ave		0.7749				5.1		20.0			
trans-1,3-Dichloropropene	1.0221 1.0039	1.0530 0.9260	1.0341	1.0457	1.0508	Ave		1.0194			0.1000	4.4		20.0			
1,1,2-Trichloroethane	0.5026 0.4703	0.5107 0.4406	0.5004	0.4951	0.4875	Ave		0.4867			0.1000	5.0		20.0			
Tetrachloroethene	0.7868 0.5735	0.8084 0.4818	0.7382	0.7117	0.6723	Ave		0.6818			0.2000	17.2		20.0			
2-Hexanone	0.6108 0.5216	0.6650 0.3963	0.6235	0.6257	0.5488	Ave		0.5703			0.1000	15.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.1441 0.8787	1.1073 0.7473	1.0484	1.0341	0.9527	Ave		0.9875				14.0		20.0			
Dibromochloromethane	0.6121 0.6876	0.6752 0.6453	0.6489	0.6847	0.7056	Ave		0.6656			0.1000	4.8		20.0			
1,2-Dibromoethane	0.6592 0.6234	0.6719 0.5877	0.6345	0.6453	0.6325	Ave		0.6363				4.3		20.0			
Chlorobenzene	2.1798 1.7702	2.1603 1.5314	2.0103	1.9660	1.9248	Ave		1.9347			0.5000	11.7		20.0			
Ethylbenzene	3.6073 2.6808	3.5130 2.0660	3.3344	3.2309	3.1095	Ave		3.0774			0.1000	17.5		20.0			
1,1,1,2-Tetrachloroethane	0.7298 0.5982	0.7165 0.5141	0.6906	0.6807	0.6670	Ave		0.6567				11.5		20.0			
m,p-Xylene	1.5082 1.1647	1.4252 0.9918	1.3897	1.3525	1.2984	Ave		1.3044			0.1000	13.4		20.0			
o-Xylene	1.5106 1.1561	1.4662 0.9844	1.4161	1.3645	1.2927	Ave		1.3129			0.3000	14.2		20.0			
Styrene	2.2463 1.8117	2.2667 1.4690	2.1867	2.1869	2.0615	Ave		2.0327			0.3000	14.4		20.0			
Bromoform	0.3852 0.4555	0.3920 0.4337	0.3952	0.4250	0.4446	Ave		0.4187			0.1000	6.7		20.0			
Isopropylbenzene	3.7379 3.3751	3.7744 2.9445	3.6287	3.6437	3.7008	Ave		3.5436			0.1000	8.3		20.0			
1,1,2,2-Tetrachloroethane	0.7811 0.8654	0.8522 0.9340	0.7991	0.8181	0.8185	Ave		0.8383			0.3000	6.1		20.0			
trans-1,4-Dichloro-2-butene	0.2920 0.3602	0.3112 0.3762	0.3316	0.3212	0.3302	Ave		0.3318				8.6		20.0			
1,2,3-Trichloropropane	0.2638 0.2232	0.2838 0.2070	0.2623	0.2570	0.2327	Ave		0.2471				10.9		20.0			
Bromobenzene	0.9958 0.7662	0.9996 0.7173	0.9157	0.9038	0.8513	Ave		0.8785				12.3		20.0			
N-Propylbenzene	4.4275 3.4220	4.4150 2.8096	4.1666	4.1421	3.9673	Ave		3.9072				15.1		20.0			
2-Chlorotoluene	0.8846 0.6830	0.8806 0.6316	0.8442	0.8206	0.7757	Ave		0.7886				12.4		20.0			
1,3,5-Trimethylbenzene	3.3161 2.6799	3.2963 2.3294	3.1251	3.1352	3.0110	Ave		2.9847				12.0		20.0			
4-Chlorotoluene	0.9160 0.7797	0.8881 0.7431	0.8722	0.8712	0.8442	Ave		0.8449				7.3		20.0			
tert-Butylbenzene	0.6531 0.5960	0.6814 0.5771	0.6299	0.6383	0.6453	Ave		0.6316				5.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.3906 2.9478	3.4352 2.5306	3.3284	3.3111	3.2223	Ave		3.1666				10.2		20.0			
sec-Butylbenzene	4.1438 3.6266	4.2525 3.0029	4.0620	4.1186	4.0960	Ave		3.9003				11.3		20.0			
4-Isopropyltoluene	3.4381 3.0009	3.5037 2.5494	3.3910	3.4045	3.3586	Ave		3.2352				10.6		20.0			
1,3-Dichlorobenzene	1.8676 1.5151	1.8772 1.4116	1.7235	1.7289	1.6687	Ave		1.6847			0.6000	10.2		20.0			
1,4-Dichlorobenzene	1.8863 1.4549	1.8277 1.3471	1.6851	1.6277	1.5865	Ave		1.6308			0.5000	11.8		20.0			
n-Butylbenzene	3.3277 2.8991	3.3047 2.5023	3.1576	3.1824	3.2101	Ave		3.0834				9.5		20.0			
1,2-Dichlorobenzene	1.7839 1.5741	1.8360 1.4711	1.7292	1.7153	1.6790	Ave		1.6841			0.4000	7.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1678 0.1998	0.1702 0.2168	0.1691	0.1797	0.1798	Ave		0.1833			0.0500	10.0		20.0			
1,2,4-Trichlorobenzene	1.2431 1.1625	1.2131 1.1017	1.1668	1.1872	1.2150	Ave		1.1842			0.2000	3.9		20.0			
Hexachlorobutadiene	1.4827 1.1726	1.4685 0.9994	1.2899	1.3956	1.3875	Ave		1.3138				13.3		20.0			
Naphthalene	4.8784 4.8173	5.0743 3.8828	4.9219	5.1279	4.9846	Ave		4.8124				8.8		20.0			
1,2,3-Trichlorobenzene	2.1173 1.8747	2.0941 1.5586	2.0266	2.0685	2.0471	Ave		1.9696				10.0		20.0			
Dibromofluoromethane (Surr)	1.2957 1.2589	1.3076 1.2289	1.2877	1.2909	1.2842	Ave		1.2791				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7848 0.7571	0.7853 0.7406	0.7857	0.7776	0.7784	Ave		0.7728				2.2		20.0			
Toluene-d8 (Surr)	2.1767 2.2329	2.1660 2.1757	2.1857	2.1885	2.1869	Ave		2.1875				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.7682 0.7645	0.7577 0.7554	0.7617	0.7655	0.7598	Ave		0.7618				0.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-277678/3	P1877.D
Level 2	IC 480-277678/4	P1878.D
Level 3	IC 480-277678/5	P1879.D
Level 4	IC 480-277678/6	P1880.D
Level 5	ICIS 480-277678/7	P1881.D
Level 6	IC 480-277678/8	P1882.D
Level 7	IC 480-277678/9	P1883.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	36146 1391626	74860 2466470	140761	266775	751267	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	33245 1306225	59204 2652537	121445	234305	640659	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	23829 1029790	50878 1918595	95132	198061	532248	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	20928 990694	42646 1899309	85457	181601	512902	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	13602 576851	28080 1296852	51854	105372	322013	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	15398 641783	29095 1351984	60539	122014	338880	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	54898 2109082	112241 4185863	210388	425701	1197026	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	40829 1828102	89632 3359485	166669	361193	977224	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	31524 1233920	62766 2511239	125495	243897	638081	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	31627 1359152	69650 2715328	132445	272687	669511	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	40870 1345486	79348 2413978	148946	300076	749900	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	42626 1298533	80231 2320039	152664	299303	734097	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Ave	69524 2391171	135713 4780526	250248	502128	1195016	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	57073 2186222	117099 4216773	225813	451308	1150300	2.50 100	5.00 200	10.0	20.0	50.0
Methyl acetate	FB	Ave	150897 5549839	315450 10025752	602223	1176068	2829604	12.5 500	25.0 1000	50.0	100	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	120714 4303741	239685 8012304	463340	921329	2353408	2.50 100	5.00 200	10.0	20.0	50.0
Allyl chloride	FB	Ave	62638 2386889	125201 4528706	241453	485591	1276565	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Lin1	54717 1338437	88109 2634503	155949	285487	707575	2.50 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	37657 1734302	84647 3597825	156024	326894	807943	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	100452 3872834	200280 7580384	384549	786933	2022584	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	136103 5059445	288900 9143948	544229	1106998	2598097	25.0 1000	50.0 2000	100	200	500
trans-1,2-Dichloroethene	FB	Ave	33573 1122958	69397 2065851	129541	247938	623705	2.50 100	5.00 200	10.0	20.0	50.0
Hexane	FB	Ave	73932 2162440	132503 4118004	237037	468834	1213710	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	143731 6106654	305195 10855419	590879	1224211	3159855	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	72867 2631452	142242 5283257	277173	540834	1407760	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	90894 3732870	201218 7235939	370725	747635	1830276	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	36302 1247242	70244 2391267	137228	274739	684791	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	50949 1781452	97140 3320184	191774	383410	970992	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	17215 618301	32864 1191943	64892	128802	328381	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	24701 935032	54399 1771423	96092	198350	470414	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	65061 2235524	124403 4313031	238071	470088	1200707	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	34818 1704930	72033 3461521	152634	317418	866902	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	74404 2722424	144064 4993164	277203	577675	1489459	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	41464 1922502	88929 3783496	166239	360484	924260	62.5 2500	125 5000	250	500	1250
1,1-Dichloropropene	FB	Ave	47616 1616833	91403 2936606	179084	353006	902074	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	44247 1741387	88983 3191098	175024	360487	944831	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	133741 4574506	255286 8347272	487868	980660	2505618	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	60059 2055153	116789 3994775	220469	431428	1102562	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	69066 2361153	134895 4441800	252667	534593	1367554	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	35529 1262465	65282 2475269	132277	262659	679746	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	57548 2170576	116217 4082400	221985	464347	1208237	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	37587 1374223	71252 2730266	136134	282608	725356	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Ave	5087 240298	10606 487484	23240	43535	114160	50.0 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	19841 767647	38708 1493729	78451	157735	401912	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	44429 1795135	87318 3593055	169889	350084	932738	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	5249 289898	11762 652897	23701	52353	141034	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	49062 2150281	98502 4292390	196073	409549	1090213	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	191243 7324828	409276 11586502	798114	1625869	3883404	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	96456 2898854	167985 5371665	328301	655266	1637947	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	30075 1538750	68440 3032737	135912	288243	767226	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	44073 1914261	91462 3728373	182446	377601	995060	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	21671 896787	44354 1773791	88285	178791	461627	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	33927 1093550	70210 1939868	130245	257020	636642	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	131684 4973594	288799 7978354	550059	1129699	2598359	12.5 500	25.0 1000	50.0	100	250
1,3-Dichloropropane	CBZ	Ave	49332 1675605	96172 3008973	184962	373420	902141	2.50 100	5.00 200	10.0	20.0	50.0
Dibromochloromethane	CBZ	Ave	26393 1311146	58647 2598319	114483	247244	668166	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	28423 1188674	58358 2366219	111939	233012	598886	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	93995 3375463	187633 6165880	354675	709939	1822657	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	155547 5112021	305118 8318263	588291	1166734	2944462	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	31468 1140742	62228 2069800	121844	245801	631599	2.50 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	65036 2220991	123789 3993372	245178	488408	1229516	2.50 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	65138 2204490	127350 3963472	249836	492743	1224072	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	96863 3454683	196878 5914374	385792	789728	1952043	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	16609 868649	34051 1746123	69723	153462	420978	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	161857 5709308	320460 9151719	624683	1263902	3246518	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	33823 1463968	72359 2902871	137566	283770	718058	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	12643 609275	26426 1169187	57083	111425	289628	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	11424 377539	24093 643287	45153	89137	204173	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	43118 1296137	84868 2229390	157633	313514	746820	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	191721 5788797	374853 8732356	717287	1436816	3480300	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	38306 1155334	74770 1963082	145330	284664	680515	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	143593 4533346	279873 7240064	537989	1087545	2641336	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	39663 1318910	75408 2309764	150157	302217	740542	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	28280 1008252	57855 1793630	108446	221402	566104	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	146821 4986518	291661 7865294	572984	1148548	2826758	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	179435 6134856	361058 9333242	699280	1428657	3593165	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	148875 5076420	297481 7923716	583764	1180947	2946288	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	80871 2563021	159379 4387287	296695	599729	1463874	2.50 100	5.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 277678

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 12/02/2015 01:45 Calibration End Date: 12/02/2015 04:29 Calibration ID: 25715

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	81680 2461210	155184 4186920	290097	564625	1391732	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	144094 4904216	280587 7777306	543583	1103902	2816046	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	77247 2662738	155886 4572471	297692	595016	1472890	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	7268 338020	14448 673831	29115	62342	157761	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	53828 1966513	102996 3424086	200872	411815	1065814	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	FB	Ave	31294 1081963	61473 1949835	110583	241420	624508	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	FB	Ave	102966 4444863	212417 7575191	421943	887045	2243480	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	FB	Ave	44689 1729736	87663 3040825	173732	357819	921362	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	546938 580768	547373 599377	551957	558259	577992	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	331302 349287	328727 361212	336799	336269	350338	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1877184 2128916	1881297 2190016	1928130	1975749	2070809	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	662464 728902	658102 760380	671966	691127	719452	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 02-Dec-2015 01:45:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0048850-003
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:40 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:16:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	97	422129	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	862404	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	866040	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	546938	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.529	0.006	0	331302	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	1877184	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	87	662464	50.0	50.4	
10 Dichlorodifluoromethane	85	4.048	4.030	0.018	98	36146	2.50	2.69	
11 Chloromethane	50	4.322	4.340	-0.018	99	33245	2.50	2.77	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	23829	2.50	2.51	
149 Butadiene	54	4.577	4.595	-0.018	98	20928	2.50	2.40	
12 Bromomethane	94	5.107	5.125	-0.019	94	13602	2.50	2.49	
13 Chloroethane	64	5.253	5.252	0.000	93	15398	2.50	2.56	
19 Dichlorofluoromethane	67	5.545	5.557	-0.011	97	54898	2.50	2.63	
14 Trichlorofluoromethane	101	5.672	5.678	-0.006	97	40829	2.50	2.42	
20 Ethyl ether	59	5.964	5.964	0.000	98	31524	2.50	2.64	
22 Acrolein	56	6.220	6.220	0.000	97	31627	12.5	12.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	94	40870	2.50	2.90	
25 1,1-Dichloroethene	96	6.372	6.384	-0.012	95	42626	2.50	3.03	
24 Acetone	43	6.402	6.396	0.006	97	69524	12.5	14.4	
18 Iodomethane	142	6.621	6.633	-0.012	100	57073	2.50	2.65	
30 Methyl acetate	43	6.773	6.773	0.000	98	150897	12.5	13.6	M
27 Carbon disulfide	76	6.773	6.779	-0.006	67	120714	2.50	2.77	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	85	62638	2.50	2.69	
31 Methylene Chloride	84	6.986	6.986	0.000	96	54717	2.50	2.06	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	97	37657	25.0	24.0	
32 Methyl tert-butyl ether	73	7.236	7.229	0.007	99	100452	2.50	2.67	
34 Acrylonitrile	53	7.278	7.272	0.006	98	136103	25.0	26.8	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	93	33573	2.50	2.82	
36 Hexane	57	7.540	7.540	0.000	96	73932	2.50	3.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	143731	5.00	5.04	
40 1,1-Dichloroethane	63	7.826	7.832	-0.006	96	72867	2.50	2.76	
44 2-Butanone (MEK)	43	8.489	8.477	0.012	98	90894	12.5	12.7	
43 cis-1,2-Dichloroethene	96	8.525	8.531	-0.006	87	36302	2.50	2.82	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	82	50949	2.50	2.82	
50 Chlorobromomethane	128	8.848	8.848	0.000	89	17215	2.50	2.79	
51 Tetrahydrofuran	42	8.878	8.872	0.006	62	24701	5.00	5.32	
49 Chloroform	83	8.884	8.884	0.000	95	65061	2.50	2.86	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	34818	2.50	2.30	
54 Cyclohexane	56	9.225	9.219	0.006	97	74404	2.50	2.76	
53 Isobutyl alcohol	43	9.298	9.292	0.006	97	41464	62.5	60.6	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	47616	2.50	2.85	
55 Carbon tetrachloride	117	9.347	9.353	-0.006	94	44247	2.50	2.63	
57 Benzene	78	9.602	9.602	0.000	96	133741	2.50	2.87	
60 1,2-Dichloroethane	62	9.621	9.626	-0.005	96	60059	2.50	2.86	
59 n-Heptane	43	9.718	9.718	0.000	95	69066	2.50	2.81	
62 Trichloroethene	95	10.363	10.356	0.007	96	35529	2.50	2.82	
64 Methylcyclohexane	83	10.600	10.594	0.006	97	57548	2.50	2.66	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	91	37587	2.50	2.78	
68 1,4-Dioxane	88	10.782	10.788	-0.006	33	5087	50.0	48.0	
69 Dibromomethane	93	10.855	10.855	0.000	94	19841	2.50	2.66	
70 Dichlorobromomethane	83	10.995	10.995	0.000	97	44429	2.50	2.62	
71 2-Chloroethyl vinyl ether	63	11.263	11.257	0.006	86	5249	2.50	2.10	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	89	49062	2.50	2.50	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	98	191243	12.5	13.4	
76 Toluene	92	11.975	11.975	0.000	98	96456	2.50	3.15	
77 Ethyl methacrylate	69	12.200	12.200	0.000	92	30075	2.50	2.25	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	96	44073	2.50	2.51	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	21671	2.50	2.58	
80 Tetrachloroethene	166	12.717	12.717	0.000	49	33927	2.50	2.88	
83 2-Hexanone	43	12.729	12.729	0.000	98	131684	12.5	13.4	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	97	49332	2.50	2.90	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	89	26393	2.50	2.30	
85 Ethylene Dibromide	107	13.301	13.295	0.006	97	28423	2.50	2.59	
87 Chlorobenzene	112	13.885	13.885	0.000	95	93995	2.50	2.82	
89 Ethylbenzene	91	13.952	13.952	0.000	99	155547	2.50	2.93	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	90	31468	2.50	2.78	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	65036	2.50	2.89	
93 o-Xylene	106	14.639	14.639	0.000	98	65138	2.50	2.88	
94 Styrene	104	14.658	14.658	0.000	95	96863	2.50	2.76	
92 Bromoform	173	15.011	15.010	0.001	94	16609	2.50	2.30	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	161857	2.50	2.64	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	97	33823	2.50	2.33	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	69	12643	2.50	2.20	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	65	11424	2.50	2.67	
100 Bromobenzene	156	15.601	15.600	0.001	94	43118	2.50	2.83	
99 N-Propylbenzene	91	15.607	15.607	0.000	98	191721	2.50	2.83	
103 2-Chlorotoluene	126	15.795	15.801	-0.006	93	38306	2.50	2.80	
102 1,3,5-Trimethylbenzene	105	15.801	15.807	-0.006	93	143593	2.50	2.78	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	39663	2.50	2.71	
106 tert-Butylbenzene	134	16.239	16.245	-0.006	93	28280	2.50	2.59	
107 1,2,4-Trimethylbenzene	105	16.300	16.306	-0.006	97	146821	2.50	2.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	179435	2.50	2.66	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	96	148875	2.50	2.66	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	96	80871	2.50	2.77	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	81680	2.50	2.89	
115 n-Butylbenzene	91	17.182	17.176	0.006	98	144094	2.50	2.70	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	77247	2.50	2.65	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	71	7268	2.50	2.29	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	53828	2.50	2.62	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	31294	2.50	2.82	
121 Naphthalene	128	19.811	19.810	0.000	97	102966	2.50	2.53	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	93	44689	2.50	2.69	
S 125 Total BTEX	1				0			14.7	
S 126 Xylenes, Total	1				0			5.77	
S 123 1,2-Dichloroethene, Total	1				0			5.64	
S 124 1,3-Dichloropropene, Total	1				0			5.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00031	Amount Added:	2.50	Units: uL	
SS GAS CORP_00101	Amount Added:	2.50	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

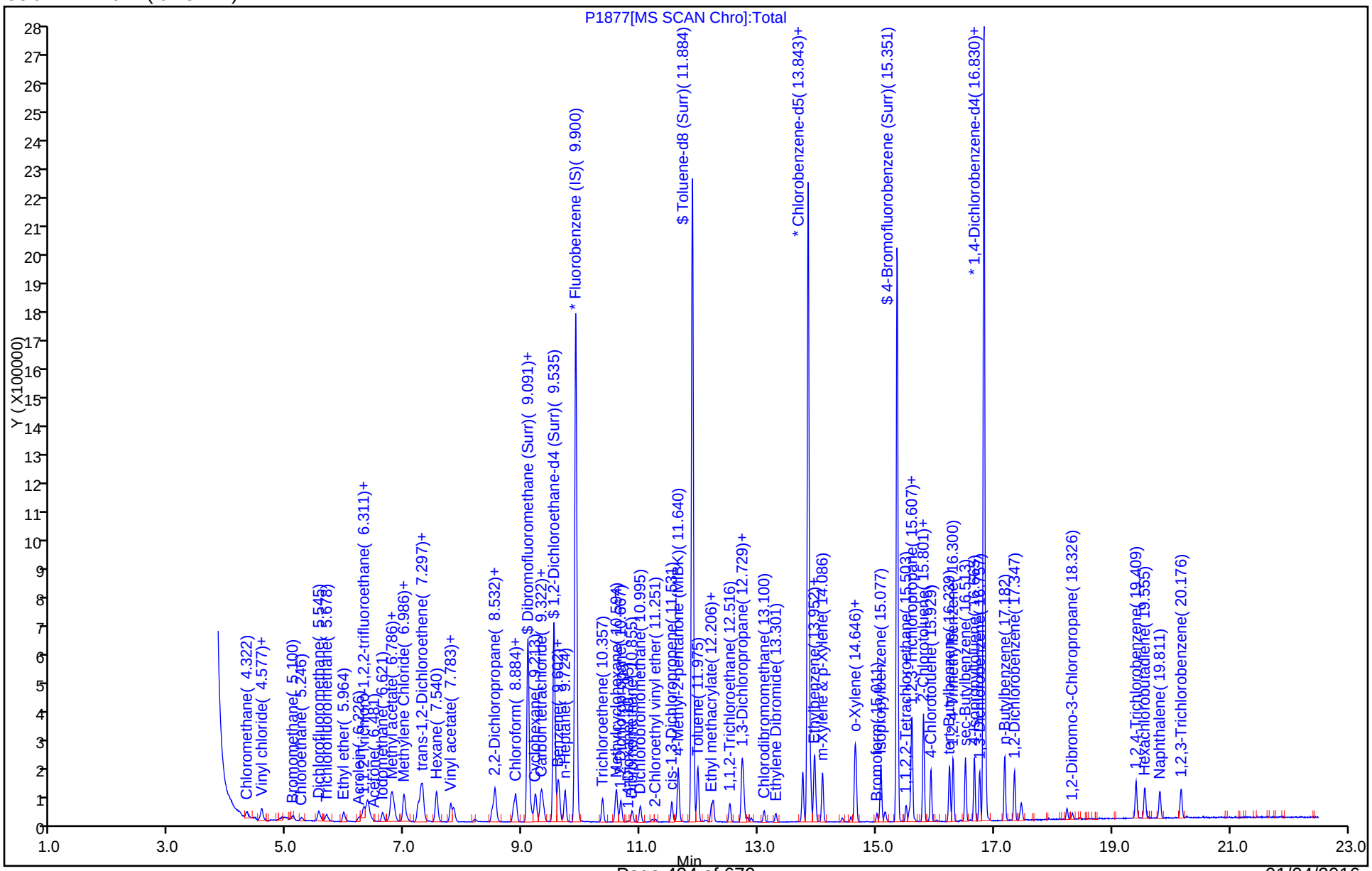
Report Date: 02-Dec-2015 14:53:41 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D

Injection Date:	02-Dec-2015 01:45:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

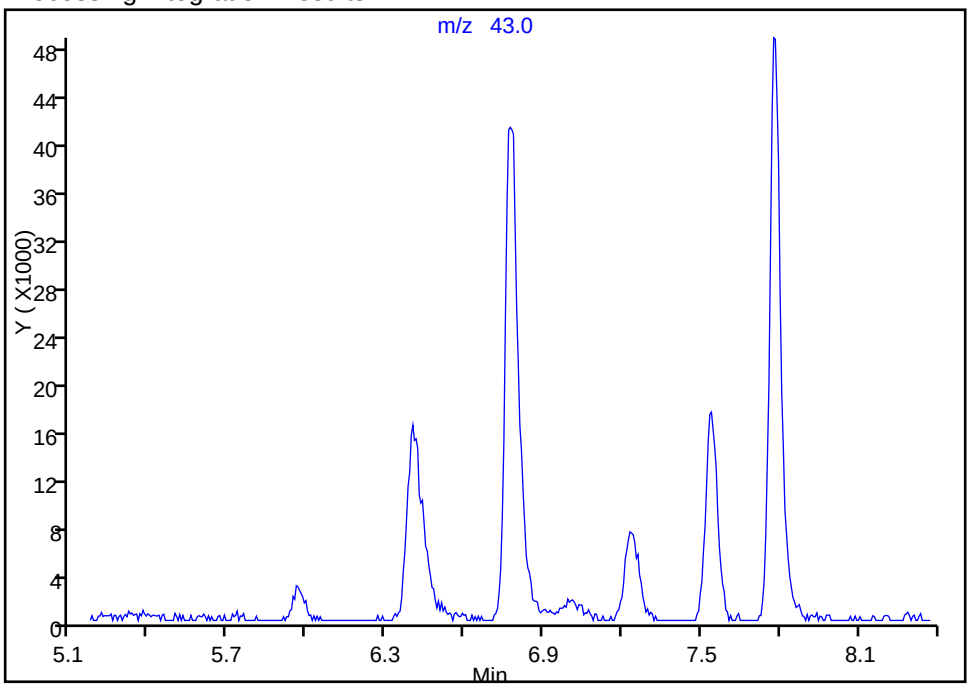
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1877.D
Injection Date: 02-Dec-2015 01:45:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methyl acetate, CAS: 79-20-9

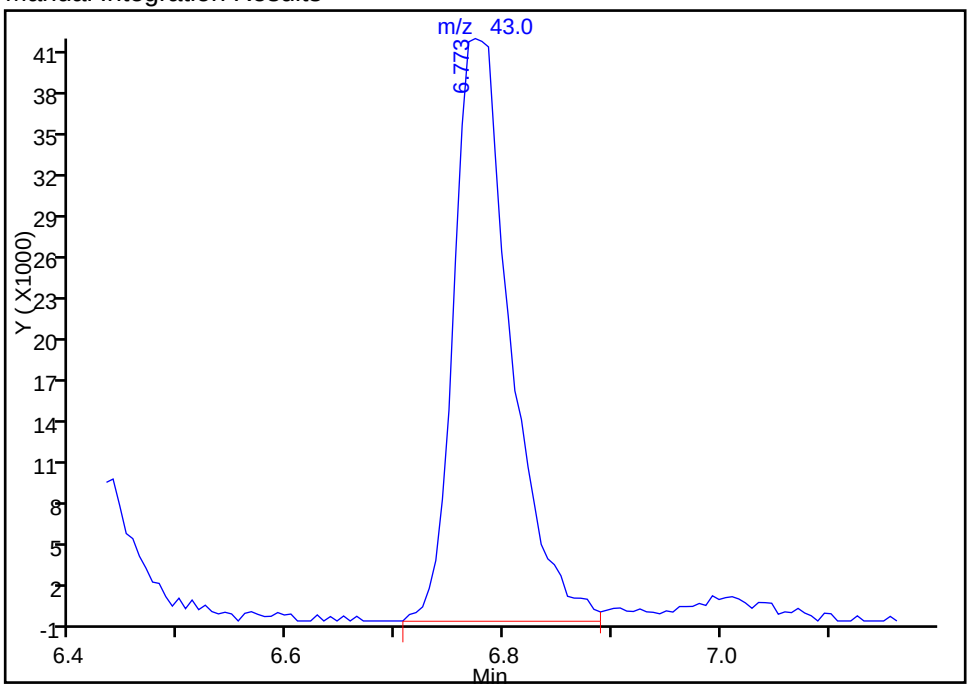
Not Detected
Expected RT: 6.77

Processing Integration Results



Manual Integration Results

RT: 6.77
Area: 150897
Amount: 13.614373
Amount Units: ug/L



Reviewer: cwiklinc, 02-Dec-2015 09:16:03
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-Dec-2015 02:13:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0048850-004
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:43 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:17:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	97	418617	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	90	868549	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	849046	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	547373	50.0	51.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	328727	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.878	11.883	-0.005	94	1881297	50.0	49.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	658102	50.0	49.7	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	99	74860	5.00	5.63	
11 Chloromethane	50	4.316	4.340	-0.024	98	59204	5.00	4.97	
17 Vinyl chloride	62	4.535	4.571	-0.036	77	50878	5.00	5.40	
149 Butadiene	54	4.571	4.595	-0.024	97	42646	5.00	4.92	
12 Bromomethane	94	5.100	5.125	-0.025	95	28080	5.00	5.18	
13 Chloroethane	64	5.246	5.252	-0.006	94	29095	5.00	4.89	
19 Dichlorofluoromethane	67	5.538	5.557	-0.018	98	112241	5.00	5.43	
14 Trichlorofluoromethane	101	5.666	5.678	-0.012	97	89632	5.00	5.36	
20 Ethyl ether	59	5.958	5.964	-0.006	97	62766	5.00	5.30	
22 Acrolein	56	6.214	6.220	-0.006	99	69650	25.0	27.4	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	79348	5.00	5.69	
25 1,1-Dichloroethene	96	6.366	6.384	-0.018	92	80231	5.00	5.75	
24 Acetone	43	6.396	6.396	0.000	98	135713	25.0	28.3	
18 Iodomethane	142	6.621	6.633	-0.012	99	117099	5.00	5.49	
30 Methyl acetate	43	6.773	6.773	0.000	100	315450	25.0	28.7	
27 Carbon disulfide	76	6.767	6.779	-0.012	65	239685	5.00	5.54	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	85	125201	5.00	5.42	
31 Methylene Chloride	84	6.986	6.986	0.000	94	88109	5.00	4.98	
33 2-Methyl-2-propanol	59	7.017	7.010	0.007	96	84647	50.0	54.3	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	200280	5.00	5.37	
34 Acrylonitrile	53	7.278	7.272	0.006	99	288900	50.0	57.5	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	94	69397	5.00	5.89	
36 Hexane	57	7.534	7.540	-0.006	97	132503	5.00	5.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	305195	10.0	10.8	
40 1,1-Dichloroethane	63	7.826	7.832	-0.006	97	142242	5.00	5.43	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	97	201218	25.0	28.4	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	86	70244	5.00	5.50	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	68	97140	5.00	5.42	
50 Chlorobromomethane	128	8.848	8.848	0.000	91	32864	5.00	5.37	
51 Tetrahydrofuran	42	8.878	8.872	0.006	65	54399	10.0	11.8	
49 Chloroform	83	8.884	8.884	0.000	96	124403	5.00	5.52	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	72033	5.00	4.81	
54 Cyclohexane	56	9.213	9.219	-0.006	96	144064	5.00	5.39	
53 Isobutyl alcohol	43	9.298	9.292	0.006	94	88929	125.0	131.0	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	91403	5.00	5.53	
55 Carbon tetrachloride	117	9.347	9.353	-0.006	96	88983	5.00	5.33	
57 Benzene	78	9.602	9.602	0.000	96	255286	5.00	5.53	
60 1,2-Dichloroethane	62	9.621	9.626	-0.005	95	116789	5.00	5.60	
59 n-Heptane	43	9.724	9.718	0.006	97	134895	5.00	5.53	
62 Trichloroethene	95	10.351	10.356	-0.005	93	65282	5.00	5.22	
64 Methylcyclohexane	83	10.594	10.594	0.000	97	116217	5.00	5.43	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	90	71252	5.00	5.32	
68 1,4-Dioxane	88	10.789	10.788	0.001	94	10606	100.0	99.4	
69 Dibromomethane	93	10.862	10.855	0.007	94	38708	5.00	5.23	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	87318	5.00	5.19	
71 2-Chloroethyl vinyl ether	63	11.251	11.257	-0.006	49	11762	5.00	4.75	M
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	98502	5.00	5.06	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	409276	25.0	28.4	
76 Toluene	92	11.975	11.975	0.000	97	167985	5.00	5.45	
77 Ethyl methacrylate	69	12.200	12.200	0.000	94	68440	5.00	5.08	
78 trans-1,3-Dichloropropene	75	12.230	12.236	-0.006	96	91462	5.00	5.17	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	44354	5.00	5.25	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	70210	5.00	5.93	
83 2-Hexanone	43	12.729	12.729	0.000	98	288799	25.0	29.2	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	96172	5.00	5.61	
81 Chlorodibromomethane	129	13.100	13.100	0.000	89	58647	5.00	5.07	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	58358	5.00	5.28	
87 Chlorobenzene	112	13.885	13.885	0.000	95	187633	5.00	5.58	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	305118	5.00	5.71	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	91	62228	5.00	5.46	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	123789	5.00	5.46	
93 o-Xylene	106	14.639	14.639	0.000	97	127350	5.00	5.58	
94 Styrene	104	14.658	14.658	0.000	95	196878	5.00	5.58	
92 Bromoform	173	15.011	15.010	0.001	95	34051	5.00	4.68	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	320460	5.00	5.33	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	97	72359	5.00	5.08	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	68	26426	5.00	4.69	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	61	24093	5.00	5.74	
100 Bromobenzene	156	15.595	15.600	-0.005	96	84868	5.00	5.69	
99 N-Propylbenzene	91	15.607	15.607	0.000	98	374853	5.00	5.65	
103 2-Chlorotoluene	126	15.801	15.801	0.000	94	74770	5.00	5.58	
102 1,3,5-Trimethylbenzene	105	15.801	15.807	-0.006	94	279873	5.00	5.52	
105 4-Chlorotoluene	126	15.923	15.929	-0.006	99	75408	5.00	5.26	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	57855	5.00	5.39	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	97	291661	5.00	5.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	361058	5.00	5.45	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	297481	5.00	5.42	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	159379	5.00	5.57	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	93	155184	5.00	5.60	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	280587	5.00	5.36	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	155886	5.00	5.45	
117 1,2-Dibromo-3-Chloropropan	75	18.320	18.326	-0.006	75	14448	5.00	4.64	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	102996	5.00	5.12	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	61473	5.00	5.59	
121 Naphthalene	128	19.811	19.810	0.001	97	212417	5.00	5.27	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	95	87663	5.00	5.32	
S 125 Total BTEX	1				0			27.7	
S 126 Xylenes, Total	1				0			11.0	
S 123 1,2-Dichloroethene, Total	1				0			11.4	
S 124 1,3-Dichloropropene, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SS 8260 CORP_00031	Amount Added:	5.00	Units: uL	
SS GAS CORP_00101	Amount Added:	5.00	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

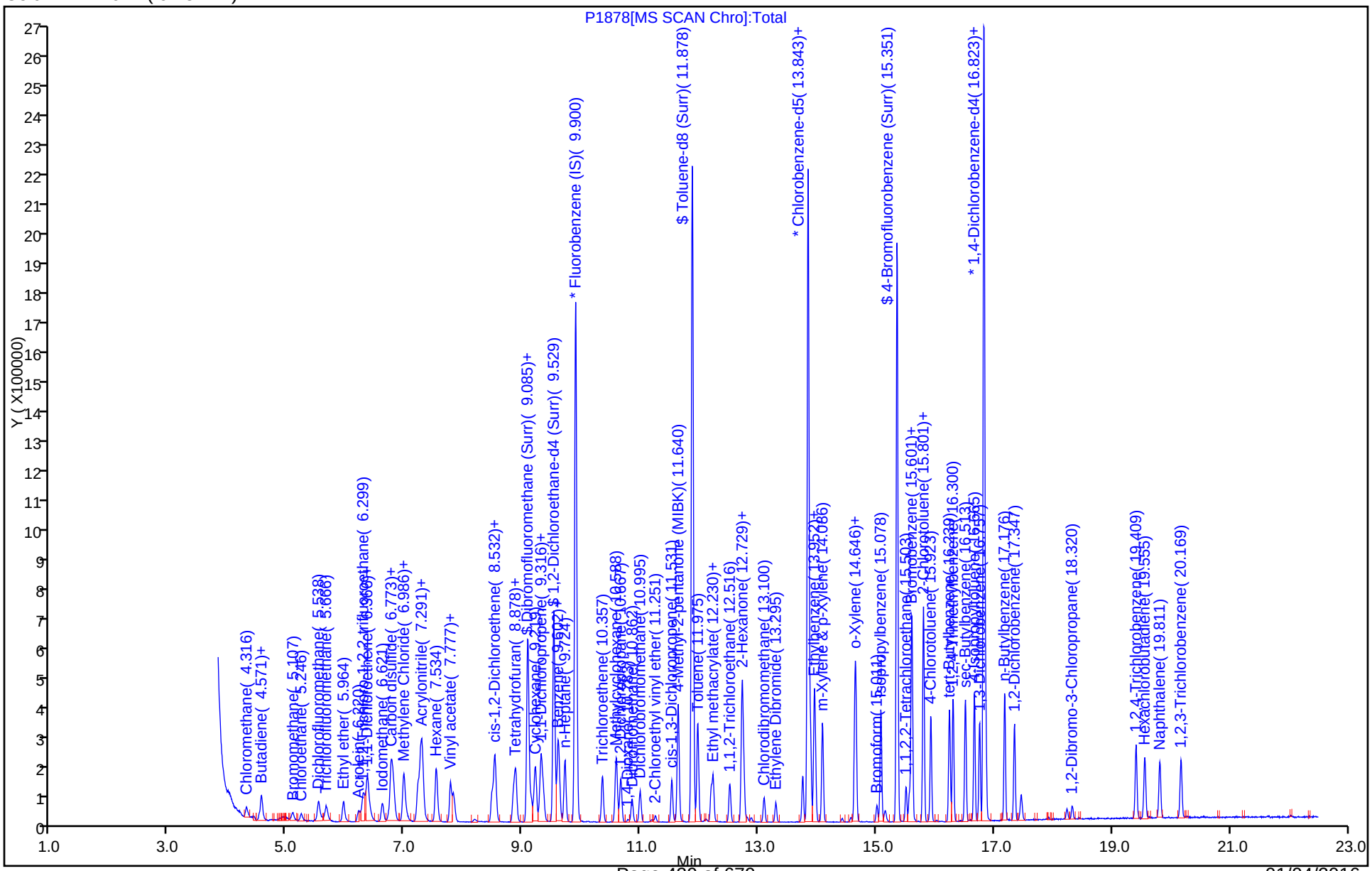
Report Date: 02-Dec-2015 14:53:44 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D

Injection Date:	02-Dec-2015 02:13:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 2			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

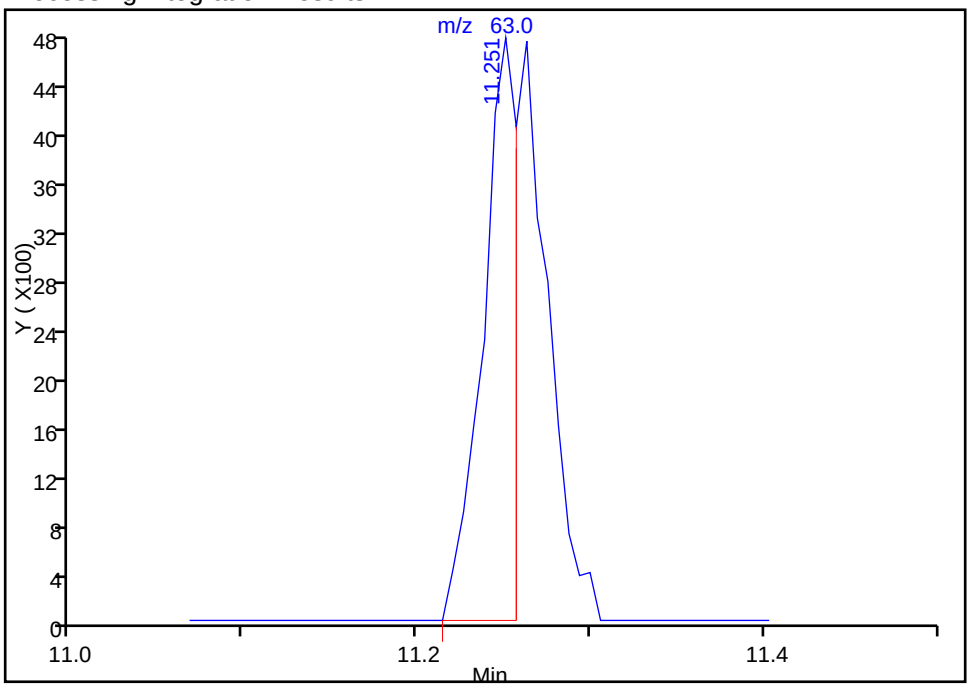
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1878.D
Injection Date: 02-Dec-2015 02:13:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: NMD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

71 2-Chloroethyl vinyl ether, CAS: 110-75-8

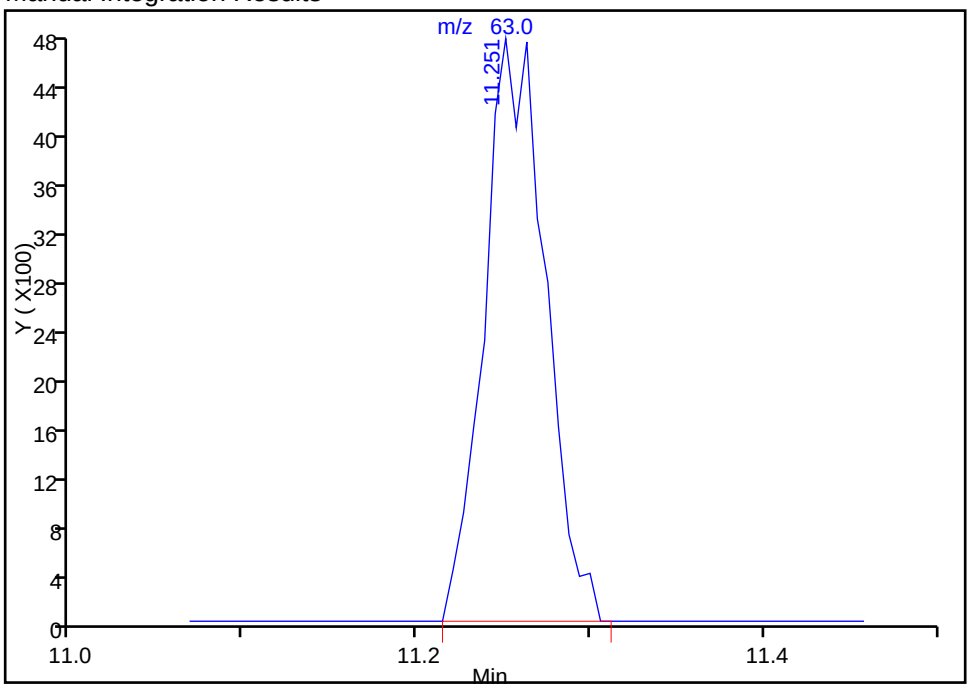
Processing Integration Results

RT: 11.25
Area: 6672
Amount: 3.787532
Amount Units: ug/L



Manual Integration Results

RT: 11.25
Area: 11762
Amount: 4.748519
Amount Units: ug/L



Reviewer: cwiklinc, 02-Dec-2015 09:17:10
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1879.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-Dec-2015 02:40:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0048850-005
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:45 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:25:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.901	-0.001	98	428638	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	882153	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	860755	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	551957	50.0	50.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	336799	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	1928130	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.357	-0.006	87	671966	50.0	50.0	
10 Dichlorodifluoromethane	85	4.048	4.030	0.018	98	140761	10.0	10.3	
11 Chloromethane	50	4.322	4.340	-0.018	99	121445	10.0	9.96	
17 Vinyl chloride	62	4.559	4.571	-0.012	97	95132	10.0	9.86	
149 Butadiene	54	4.577	4.595	-0.018	98	85457	10.0	9.63	
12 Bromomethane	94	5.113	5.125	-0.012	94	51854	10.0	9.34	
13 Chloroethane	64	5.253	5.252	0.001	96	60539	10.0	9.93	
19 Dichlorofluoromethane	67	5.551	5.557	-0.005	97	210388	10.0	9.94	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	166669	10.0	9.73	
20 Ethyl ether	59	5.970	5.964	0.006	96	125495	10.0	10.3	
22 Acrolein	56	6.220	6.220	0.000	99	132445	50.0	50.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	93	148946	10.0	10.4	
25 1,1-Dichloroethene	96	6.378	6.384	-0.006	93	152664	10.0	10.7	
24 Acetone	43	6.402	6.396	0.006	98	250248	50.0	50.9	
18 Iodomethane	142	6.634	6.633	0.001	100	225813	10.0	10.3	
30 Methyl acetate	43	6.774	6.773	0.001	100	602223	50.0	53.5	
27 Carbon disulfide	76	6.786	6.779	0.007	69	463340	10.0	10.5	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	87	241453	10.0	10.2	
31 Methylene Chloride	84	6.993	6.986	0.006	94	155949	10.0	10.5	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	97	156024	100.0	97.7	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	384549	10.0	10.1	
34 Acrylonitrile	53	7.285	7.272	0.013	96	544229	100.0	105.7	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	92	129541	10.0	10.7	
36 Hexane	57	7.534	7.540	-0.006	95	237037	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	590879	20.0	20.4	
40 1,1-Dichloroethane	63	7.838	7.832	0.006	96	277173	10.0	10.3	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	370725	50.0	51.2	
43 cis-1,2-Dichloroethene	96	8.538	8.531	0.007	86	137228	10.0	10.5	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	67	191774	10.0	10.5	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	64892	10.0	10.4	
51 Tetrahydrofuran	42	8.885	8.872	0.012	65	96092	20.0	20.4	
49 Chloroform	83	8.885	8.884	0.000	96	238071	10.0	10.3	
52 1,1,1-Trichloroethane	97	9.152	9.146	0.006	97	152634	10.0	9.94	
54 Cyclohexane	56	9.225	9.219	0.006	95	277203	10.0	10.1	
53 Isobutyl alcohol	43	9.298	9.292	0.006	92	166239	250.0	239.2	
56 1,1-Dichloropropene	75	9.323	9.316	0.007	90	179084	10.0	10.6	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	175024	10.0	10.2	
57 Benzene	78	9.602	9.602	0.000	97	487868	10.0	10.3	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	220469	10.0	10.3	
59 n-Heptane	43	9.718	9.718	0.000	97	252667	10.0	10.1	
62 Trichloroethene	95	10.363	10.356	0.007	94	132277	10.0	10.3	
64 Methylcyclohexane	83	10.594	10.594	0.000	98	221985	10.0	10.1	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	91	136134	10.0	9.92	
68 1,4-Dioxane	88	10.795	10.788	0.007	98	23240	200.0	214.4	
69 Dibromomethane	93	10.862	10.855	0.007	95	78451	10.0	10.4	
70 Dichlorobromomethane	83	10.996	10.995	0.001	97	169889	10.0	9.87	
71 2-Chloroethyl vinyl ether	63	11.251	11.257	-0.006	92	23701	10.0	9.34	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	196073	10.0	9.83	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	798114	50.0	54.6	
76 Toluene	92	11.975	11.975	0.000	98	328301	10.0	10.5	
77 Ethyl methacrylate	69	12.200	12.200	0.000	93	135912	10.0	9.94	
78 trans-1,3-Dichloropropene	75	12.230	12.236	-0.006	95	182446	10.0	10.1	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	88285	10.0	10.3	
80 Tetrachloroethene	166	12.717	12.717	0.000	94	130245	10.0	10.8	
83 2-Hexanone	43	12.729	12.729	0.000	99	550059	50.0	54.7	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	184962	10.0	10.6	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	91	114483	10.0	9.75	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	111939	10.0	9.97	
87 Chlorobenzene	112	13.885	13.885	0.000	94	354675	10.0	10.4	
89 Ethylbenzene	91	13.952	13.952	0.000	98	588291	10.0	10.8	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	92	121844	10.0	10.5	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	245178	10.0	10.7	
93 o-Xylene	106	14.640	14.639	0.001	97	249836	10.0	10.8	
94 Styrene	104	14.658	14.658	0.000	95	385792	10.0	10.8	
92 Bromoform	173	15.011	15.010	0.001	94	69723	10.0	9.44	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	624683	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	137566	10.0	9.53	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	75	57083	10.0	10.0	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	62	45153	10.0	10.6	
100 Bromobenzene	156	15.601	15.600	0.001	94	157633	10.0	10.4	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	717287	10.0	10.7	
103 2-Chlorotoluene	126	15.802	15.801	0.001	93	145330	10.0	10.7	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	93	537989	10.0	10.5	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	150157	10.0	10.3	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	108446	10.0	9.97	
107 1,2,4-Trimethylbenzene	105	16.300	16.306	-0.006	98	572984	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	699280	10.0	10.4	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	583764	10.0	10.5	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	296695	10.0	10.2	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	96	290097	10.0	10.3	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	543583	10.0	10.2	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	297692	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	77	29115	10.0	9.23	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	200872	10.0	9.85	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	110583	10.0	9.82	
121 Naphthalene	128	19.811	19.810	0.001	97	421943	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	96	173732	10.0	10.3	
S 125 Total BTEX	1				0			53.1	
S 126 Xylenes, Total	1				0			21.4	
S 123 1,2-Dichloroethene, Total	1				0			21.2	
S 124 1,3-Dichloropropene, Total	1				0			20.0	

Reagents:

SS 8260 CORP_00031	Amount Added: 10.00	Units: uL	
SS GAS CORP_00101	Amount Added: 10.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

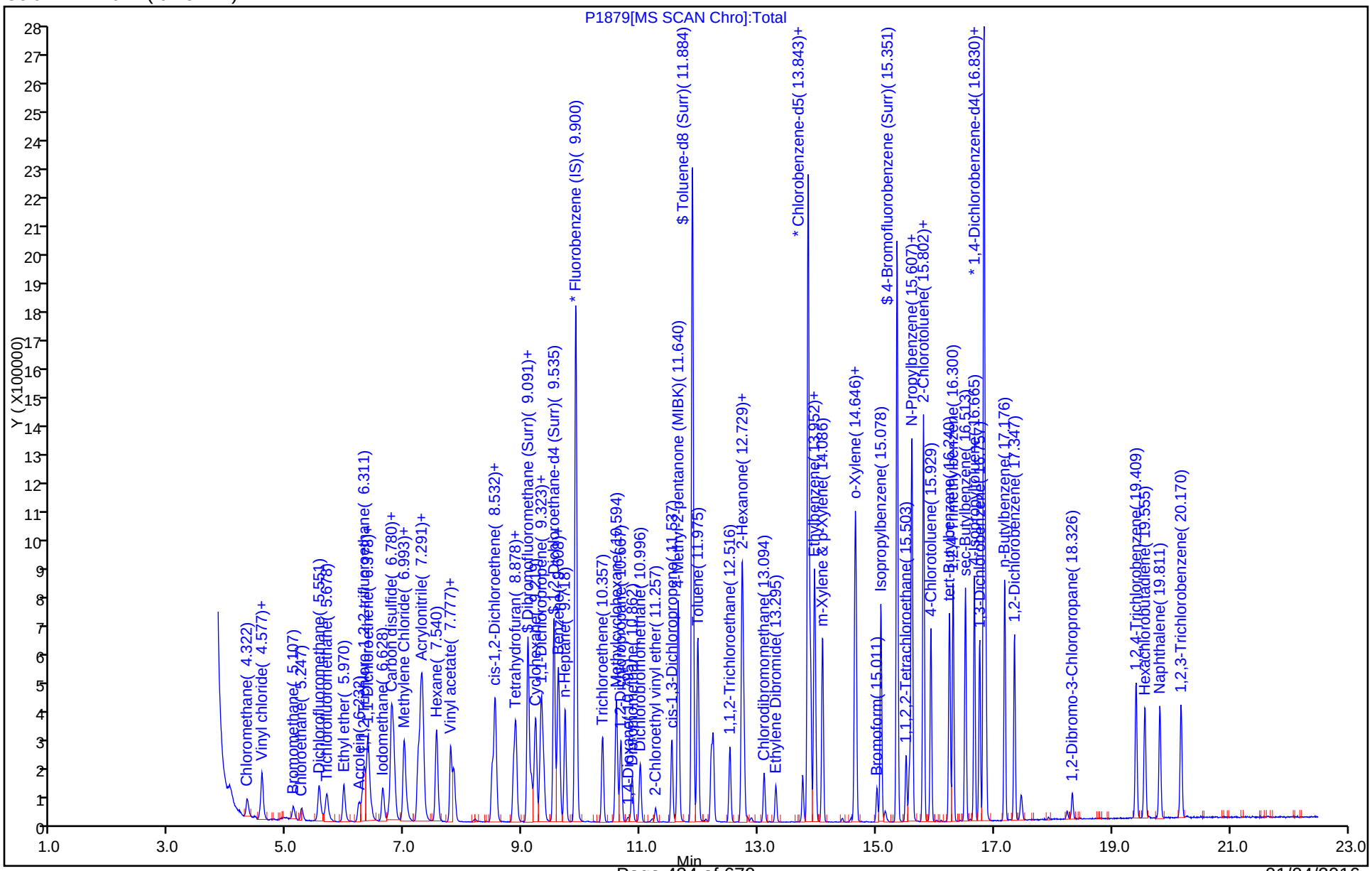
Report Date: 02-Dec-2015 14:53:46 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1879.D

Injection Date:	02-Dec-2015 02:40:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 3			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1880.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-Dec-2015 03:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0048850-006
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:47 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:30:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.901	9.901	0.000	97	432460	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	902786	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.830	0.000	97	867194	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	92	558259	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	336269	50.0	50.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.883	-0.005	93	1975749	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	691127	50.0	50.2	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	266775	20.0	19.4	
11 Chloromethane	50	4.328	4.340	-0.012	99	234305	20.0	19.0	
17 Vinyl chloride	62	4.553	4.571	-0.018	98	198061	20.0	20.3	
149 Butadiene	54	4.577	4.595	-0.018	99	181601	20.0	20.3	
12 Bromomethane	94	5.113	5.125	-0.012	94	105372	20.0	18.8	
13 Chloroethane	64	5.247	5.252	-0.005	96	122014	20.0	19.8	
19 Dichlorofluoromethane	67	5.545	5.557	-0.011	98	425701	20.0	19.9	
14 Trichlorofluoromethane	101	5.666	5.678	-0.012	98	361193	20.0	20.9	
20 Ethyl ether	59	5.964	5.964	0.000	97	243897	20.0	19.9	
22 Acrolein	56	6.220	6.220	0.000	99	272687	100.0	103.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	300076	20.0	20.8	
25 1,1-Dichloroethene	96	6.366	6.384	-0.018	93	299303	20.0	20.7	
24 Acetone	43	6.390	6.396	-0.006	98	502128	100.0	101.3	
18 Iodomethane	142	6.628	6.633	-0.005	99	451308	20.0	20.5	
30 Methyl acetate	43	6.774	6.773	0.001	100	1176068	100.0	103.6	
27 Carbon disulfide	76	6.774	6.779	-0.005	70	921329	20.0	20.6	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	90	485591	20.0	20.3	
31 Methylene Chloride	84	6.986	6.986	0.000	94	285487	20.0	21.2	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	98	326894	200.0	203.0	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	786933	20.0	20.4	
34 Acrylonitrile	53	7.272	7.272	0.000	96	1106998	200.0	213.1	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	93	247938	20.0	20.4	
36 Hexane	57	7.540	7.540	0.000	95	468834	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	1224211	40.0	41.9	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	540834	20.0	20.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	747635	100.0	102.3	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	86	274739	20.0	20.8	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	91	383410	20.0	20.7	
50 Chlorobromomethane	128	8.848	8.848	0.000	91	128802	20.0	20.4	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	198350	40.0	41.7	
49 Chloroform	83	8.878	8.884	-0.006	96	470088	20.0	20.2	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	317418	20.0	20.5	
54 Cyclohexane	56	9.219	9.219	0.000	96	577675	20.0	20.9	
53 Isobutyl alcohol	43	9.298	9.292	0.006	96	360484	500.0	514.1	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	92	353006	20.0	20.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	360487	20.0	20.9	
57 Benzene	78	9.602	9.602	0.000	98	980660	20.0	20.6	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	96	431428	20.0	20.0	
59 n-Heptane	43	9.718	9.718	0.000	98	534593	20.0	21.2	
62 Trichloroethene	95	10.357	10.356	0.001	94	262659	20.0	20.3	
64 Methylcyclohexane	83	10.588	10.594	-0.006	98	464347	20.0	21.0	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	282608	20.0	20.4	
68 1,4-Dioxane	88	10.789	10.788	0.001	96	43535	400.0	392.5	
69 Dibromomethane	93	10.856	10.855	0.001	97	157735	20.0	20.6	
70 Dichlorobromomethane	83	10.996	10.995	0.001	98	350084	20.0	20.2	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	93	52353	20.0	20.5	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	409549	20.0	20.4	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	1625869	100.0	108.7	
76 Toluene	92	11.969	11.975	-0.006	98	655266	20.0	20.4	
77 Ethyl methacrylate	69	12.200	12.200	0.000	94	288243	20.0	20.6	
78 trans-1,3-Dichloropropene	75	12.231	12.236	-0.005	95	377601	20.0	20.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	178791	20.0	20.3	
80 Tetrachloroethene	166	12.717	12.717	0.000	93	257020	20.0	20.9	
83 2-Hexanone	43	12.729	12.729	0.000	99	1129699	100.0	109.7	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	98	373420	20.0	20.9	
81 Chlorodibromomethane	129	13.094	13.100	-0.006	90	247244	20.0	20.6	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	233012	20.0	20.3	
87 Chlorobenzene	112	13.885	13.885	0.000	93	709939	20.0	20.3	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	1166734	20.0	21.0	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.970	-0.006	92	245801	20.0	20.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	488408	20.0	20.7	
93 o-Xylene	106	14.640	14.639	0.001	97	492743	20.0	20.8	
94 Styrene	104	14.658	14.658	0.000	95	789728	20.0	21.5	
92 Bromoform	173	15.011	15.010	0.001	96	153462	20.0	20.3	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	1263902	20.0	20.6	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	283770	20.0	19.5	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	81	111425	20.0	19.4	
101 1,2,3-Trichloropropane	110	15.601	15.594	0.007	76	89137	20.0	20.8	
100 Bromobenzene	156	15.595	15.600	-0.005	95	313514	20.0	20.6	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	1436816	20.0	21.2	
103 2-Chlorotoluene	126	15.796	15.801	-0.005	94	284664	20.0	20.8	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	94	1087545	20.0	21.0	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	302217	20.0	20.6	
106 tert-Butylbenzene	134	16.240	16.245	-0.005	94	221402	20.0	20.2	
107 1,2,4-Trimethylbenzene	105	16.307	16.306	0.001	97	1148548	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	1428657	20.0	21.1	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	1180947	20.0	21.0	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	97	599729	20.0	20.5	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	94	564625	20.0	20.0	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	1103902	20.0	20.6	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	595016	20.0	20.4	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	78	62342	20.0	19.6	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	93	411815	20.0	20.1	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	96	241420	20.0	21.2	
121 Naphthalene	128	19.811	19.810	0.001	98	887045	20.0	21.3	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	95	357819	20.0	21.0	
S 125 Total BTEX	1				0			103.5	
S 126 Xylenes, Total	1				0			41.5	
S 123 1,2-Dichloroethene, Total	1				0			41.2	
S 124 1,3-Dichloropropene, Total	1				0			40.9	

Reagents:

SS 8260 CORP_00031	Amount Added: 10.00	Units: uL	
SS GAS CORP_00101	Amount Added: 10.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

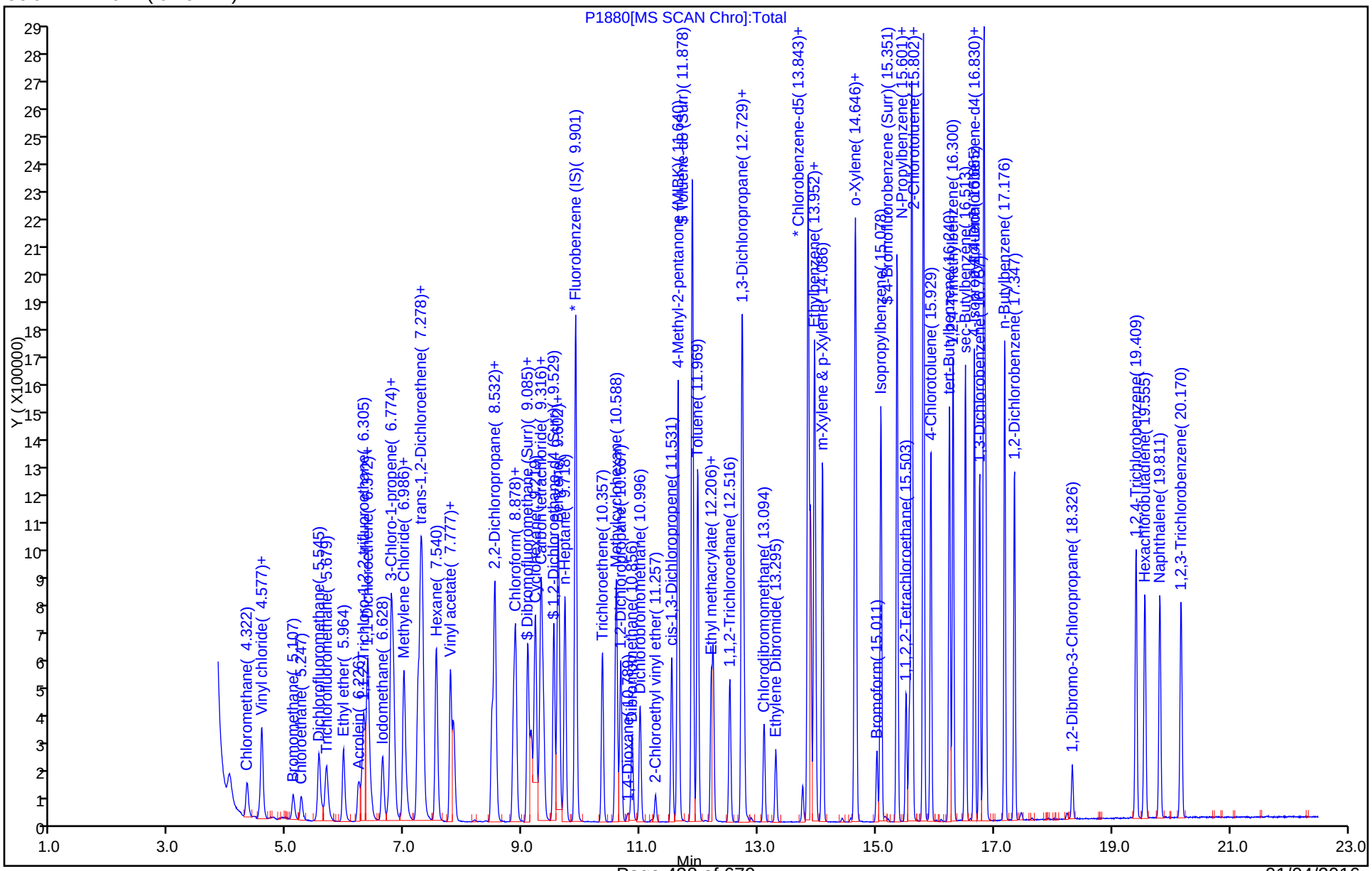
Report Date: 02-Dec-2015 14:53:49 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1880.D

Injection Date:	02-Dec-2015 03:07:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1881.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 02-Dec-2015 03:34:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0048850-007
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:50 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 14:52:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	450081	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	88	946915	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.829	0.000	96	877240	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	92	577992	50.0	50.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	350338	50.0	50.4	
$ 5 Toluene-d8 (Surr)	98	11.883	11.883	0.000	93	2070809	50.0	50.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	719452	50.0	49.9	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	751267	50.0	52.5	
11 Chloromethane	50	4.340	4.340	0.000	98	640659	50.0	50.0	
17 Vinyl chloride	62	4.571	4.571	0.000	97	532248	50.0	52.5	
149 Butadiene	54	4.595	4.595	0.000	97	512902	50.0	55.1	
12 Bromomethane	94	5.125	5.125	0.000	94	322013	50.0	55.2	
13 Chloroethane	64	5.252	5.252	0.000	96	338880	50.0	52.9	
19 Dichlorofluoromethane	67	5.557	5.557	0.000	98	1197026	50.0	53.8	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	977224	50.0	54.3	
20 Ethyl ether	59	5.964	5.964	0.000	97	638081	50.0	50.1	
22 Acrolein	56	6.220	6.220	0.000	97	669511	250.0	244.8	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	94	749900	50.0	50.0	
25 1,1-Dichloroethene	96	6.384	6.384	0.000	93	734097	50.0	48.9	
24 Acetone	43	6.396	6.396	0.000	98	1195016	250.0	231.7	
18 Iodomethane	142	6.633	6.633	0.000	99	1150300	50.0	50.2	
30 Methyl acetate	43	6.773	6.773	0.000	100	2829604	250.0	239.4	
27 Carbon disulfide	76	6.779	6.779	0.000	99	2353408	50.0	50.6	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	91	1276565	50.0	51.4	
31 Methylene Chloride	84	6.986	6.986	0.000	94	707575	50.0	54.2	
33 2-Methyl-2-propanol	59	7.010	7.010	0.000	98	807943	500.0	482.0	
32 Methyl tert-butyl ether	73	7.229	7.229	0.000	99	2022584	50.0	50.5	
34 Acrylonitrile	53	7.272	7.272	0.000	96	2598097	500.0	480.6	
35 trans-1,2-Dichloroethene	96	7.302	7.302	0.000	92	623705	50.0	49.2	
36 Hexane	57	7.540	7.540	0.000	95	1213710	50.0	48.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	3159855	100.0	104.0	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	1407760	50.0	50.0	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1830276	250.0	240.6	
43 cis-1,2-Dichloroethene	96	8.531	8.531	0.000	87	684791	50.0	49.8	
45 2,2-Dichloropropane	77	8.537	8.537	0.000	91	970992	50.0	50.4	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	328381	50.0	49.9	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	470414	100.0	95.0	
49 Chloroform	83	8.884	8.884	0.000	96	1200707	50.0	49.5	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	866902	50.0	53.8	
54 Cyclohexane	56	9.219	9.219	0.000	95	1489459	50.0	51.8	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	924260	1250.0	1266.4	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	902074	50.0	50.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	944831	50.0	52.6	
57 Benzene	78	9.602	9.602	0.000	98	2505618	50.0	50.5	
60 1,2-Dichloroethane	62	9.626	9.626	0.000	96	1102562	50.0	49.2	
59 n-Heptane	43	9.718	9.718	0.000	97	1367554	50.0	52.1	
62 Trichloroethene	95	10.356	10.356	0.000	94	679746	50.0	50.6	
64 Methylcyclohexane	83	10.594	10.594	0.000	98	1208237	50.0	52.5	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	725356	50.0	50.3	
68 1,4-Dioxane	88	10.788	10.788	0.000	98	114160	1000.0	981.3	
69 Dibromomethane	93	10.855	10.855	0.000	96	401912	50.0	50.6	
70 Dichlorobromomethane	83	10.995	10.995	0.000	97	932738	50.0	51.6	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	141034	50.0	53.0	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	1090213	50.0	52.1	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	99	3883404	250.0	247.5	
76 Toluene	92	11.975	11.975	0.000	97	1637947	50.0	48.7	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	767226	50.0	52.3	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	94	995060	50.0	51.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	461627	50.0	50.1	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	636642	50.0	49.3	
83 2-Hexanone	43	12.729	12.729	0.000	97	2598359	250.0	240.6	
82 1,3-Dichloropropane	76	12.753	12.753	0.000	98	902141	50.0	48.2	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	668166	50.0	53.0	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	598886	50.0	49.7	
87 Chlorobenzene	112	13.885	13.885	0.000	93	1822657	50.0	49.7	
89 Ethylbenzene	91	13.952	13.952	0.000	98	2944462	50.0	50.5	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	93	631599	50.0	50.8	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	1229516	50.0	49.8	
93 o-Xylene	106	14.639	14.639	0.000	98	1224072	50.0	49.2	
94 Styrene	104	14.658	14.658	0.000	95	1952043	50.0	50.7	
92 Bromoform	173	15.010	15.010	0.000	96	420978	50.0	53.1	
95 Isopropylbenzene	105	15.077	15.077	0.000	96	3246518	50.0	52.2	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	96	718058	50.0	48.8	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	83	289628	50.0	49.8	
101 1,2,3-Trichloropropane	110	15.594	15.594	0.000	66	204173	50.0	47.1	
100 Bromobenzene	156	15.600	15.600	0.000	94	746820	50.0	48.5	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	3480300	50.0	50.8	
103 2-Chlorotoluene	126	15.801	15.801	0.000	94	680515	50.0	49.2	
102 1,3,5-Trimethylbenzene	105	15.807	15.807	0.000	94	2641336	50.0	50.4	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	740542	50.0	50.0	
106 tert-Butylbenzene	134	16.245	16.245	0.000	94	566104	50.0	51.1	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	98	2826758	50.0	50.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	3593165	50.0	52.5	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2946288	50.0	51.9	
110 1,3-Dichlorobenzene	146	16.756	16.756	0.000	96	1463874	50.0	49.5	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1391732	50.0	48.6	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2816046	50.0	52.1	
116 1,2-Dichlorobenzene	146	17.346	17.346	0.000	95	1472890	50.0	49.8	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	157761	50.0	49.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	1065814	50.0	51.3	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	624508	50.0	52.8	
121 Naphthalene	128	19.810	19.810	0.000	97	2243480	50.0	51.8	
122 1,2,3-Trichlorobenzene	180	20.175	20.175	0.000	95	921362	50.0	52.0	

Reagents:

SS 8260 CORP_00031	Amount Added: 25.00	Units: uL	
SS GAS CORP_00101	Amount Added: 25.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

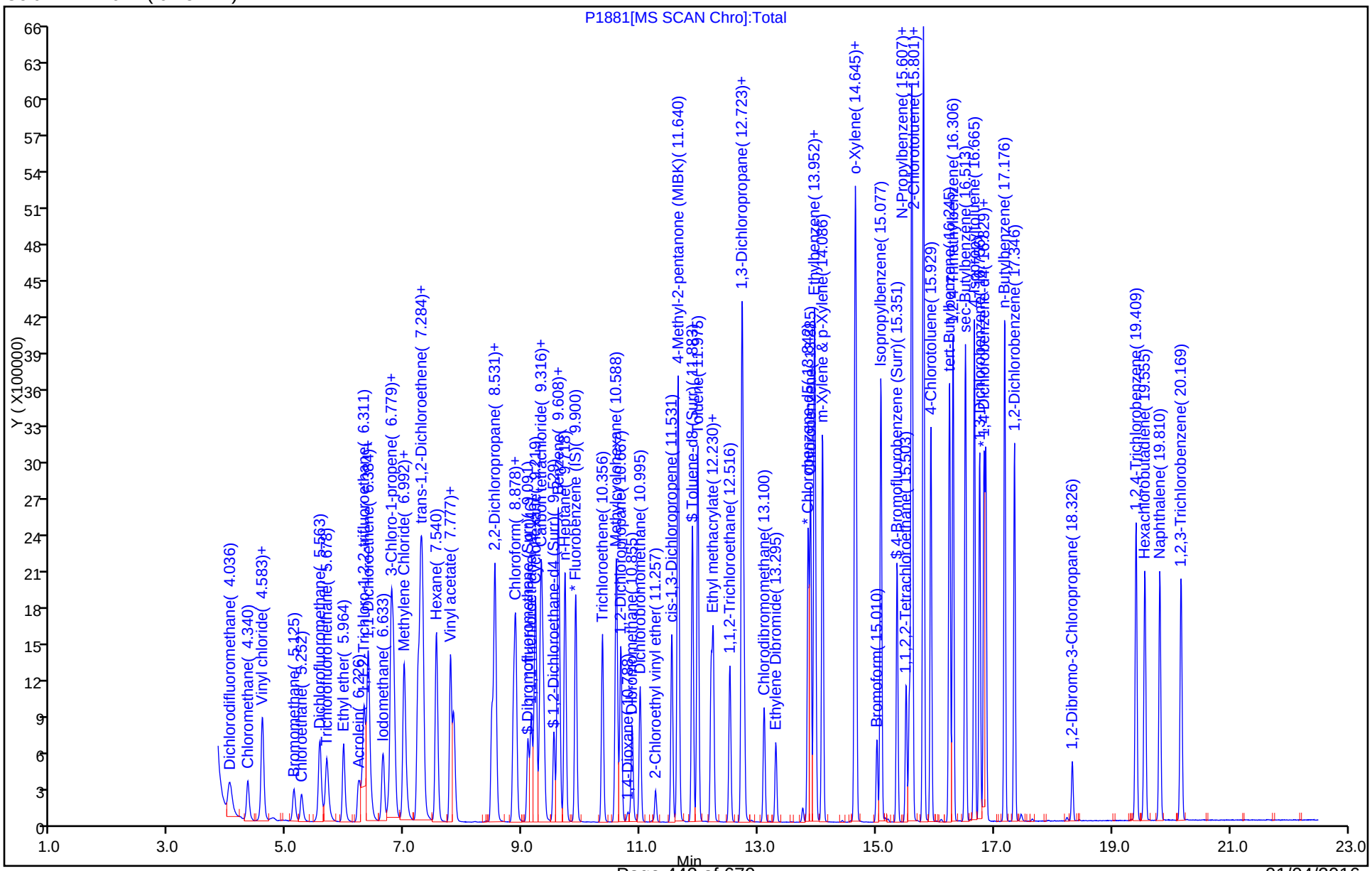
Report Date: 02-Dec-2015 14:53:51 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1881.D

Injection Date:	02-Dec-2015 03:34:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	ICIS 5			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1882.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 02-Dec-2015 04:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0048850-008
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:52 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:36:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	461345	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	88	953437	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.829	0.001	96	845810	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	93	580768	50.0	49.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	349287	50.0	49.0	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	2128916	50.0	51.0	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	94	728902	50.0	50.2	
10 Dichlorodifluoromethane	85	4.036	4.030	0.006	98	1391626	100.0	94.9	
11 Chloromethane	50	4.346	4.340	0.006	99	1306225	100.0	99.5	
17 Vinyl chloride	62	4.571	4.571	0.000	98	1029790	100.0	99.1	
149 Butadiene	54	4.596	4.595	0.001	97	990694	100.0	103.8	
12 Bromomethane	94	5.125	5.125	0.000	93	576851	100.0	96.5	
13 Chloroethane	64	5.253	5.252	0.001	96	641783	100.0	97.8	
19 Dichlorofluoromethane	67	5.557	5.557	0.001	98	2109082	100.0	92.6	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	99	1828102	100.0	99.2	
20 Ethyl ether	59	5.958	5.964	-0.006	97	1233920	100.0	94.5	
22 Acrolein	56	6.220	6.220	0.000	98	1359152	500.0	484.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	95	1345486	100.0	87.5	
25 1,1-Dichloroethene	96	6.378	6.384	-0.006	93	1298533	100.0	84.4	
24 Acetone	43	6.396	6.396	0.000	98	2391171	500.0	452.3	
18 Iodomethane	142	6.634	6.633	0.001	99	2186222	100.0	93.0	
30 Methyl acetate	43	6.767	6.773	-0.006	100	5549839	500.0	458.2	
27 Carbon disulfide	76	6.780	6.779	0.001	100	4303741	100.0	90.3	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	89	2386889	100.0	93.7	
31 Methylene Chloride	84	6.986	6.986	0.000	94	1338437	100.0	102.1	
33 2-Methyl-2-propanol	59	7.011	7.010	0.001	98	1734302	1000.0	1009.4	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	3872834	100.0	94.3	
34 Acrylonitrile	53	7.272	7.272	0.000	96	5059445	1000.0	913.0	
35 trans-1,2-Dichloroethene	96	7.303	7.302	0.001	92	1122958	100.0	86.5	
36 Hexane	57	7.534	7.540	-0.006	95	2162440	100.0	85.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	97	6106654	200.0	196.0	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	2631452	100.0	91.2	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	97	3732870	500.0	478.7	
43 cis-1,2-Dichloroethene	96	8.532	8.531	0.001	87	1247242	100.0	88.5	
45 2,2-Dichloropropane	77	8.532	8.537	-0.005	91	1781452	100.0	90.2	
50 Chlorobromomethane	128	8.842	8.848	-0.006	90	618301	100.0	91.7	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	935032	200.0	184.2	
49 Chloroform	83	8.884	8.884	0.000	96	2235524	100.0	90.0	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	1704930	100.0	103.2	
54 Cyclohexane	56	9.219	9.219	0.000	95	2722424	100.0	92.4	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	1922502	2500.0	2569.9	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	1616833	100.0	88.7	
55 Carbon tetrachloride	117	9.353	9.353	0.000	96	1741387	100.0	94.6	
57 Benzene	78	9.596	9.602	-0.006	98	4574506	100.0	89.9	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	2055153	100.0	89.5	
59 n-Heptane	43	9.718	9.718	0.000	97	2361153	100.0	87.8	
62 Trichloroethene	95	10.351	10.356	-0.005	94	1262465	100.0	91.6	
64 Methylcyclohexane	83	10.588	10.594	-0.006	98	2170576	100.0	92.0	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	92	1374223	100.0	93.0	
68 1,4-Dioxane	88	10.789	10.788	0.001	98	240298	2000.0	2051.4	
69 Dibromomethane	93	10.856	10.855	0.001	96	767647	100.0	94.2	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	1795135	100.0	96.9	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	289898	100.0	106.2	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	2150281	100.0	100.2	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	98	7324828	500.0	463.7	
76 Toluene	92	11.975	11.975	0.000	98	2898854	100.0	85.6	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	1538750	100.0	104.1	
78 trans-1,3-Dichloropropene	75	12.237	12.236	0.001	97	1914261	100.0	98.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	896787	100.0	96.6	
80 Tetrachloroethene	166	12.717	12.717	0.000	91	1093550	100.0	84.1	
83 2-Hexanone	43	12.729	12.729	0.000	97	4973594	500.0	457.4	
82 1,3-Dichloropropane	76	12.754	12.753	0.001	95	1675605	100.0	89.0	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	1311146	100.0	103.3	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	1188674	100.0	98.0	
87 Chlorobenzene	112	13.885	13.885	0.000	92	3375463	100.0	91.5	
89 Ethylbenzene	91	13.946	13.952	-0.006	98	5112021	100.0	87.1	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	93	1140742	100.0	91.1	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	99	2220991	100.0	89.3	
93 o-Xylene	106	14.640	14.639	0.001	97	2204490	100.0	88.1	
94 Styrene	104	14.658	14.658	0.000	93	3454683	100.0	89.1	
92 Bromoform	173	15.011	15.010	0.001	96	868649	100.0	108.8	
95 Isopropylbenzene	105	15.078	15.077	0.001	97	5709308	100.0	95.2	
97 1,1,2,2-Tetrachloroethane	83	15.509	15.509	0.000	96	1463968	100.0	103.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	86	609275	100.0	108.6	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	71	377539	100.0	90.3	
100 Bromobenzene	156	15.595	15.600	-0.005	94	1296137	100.0	87.2	
99 N-Propylbenzene	91	15.613	15.607	0.006	98	5788797	100.0	87.6	
103 2-Chlorotoluene	126	15.802	15.801	0.001	94	1155334	100.0	86.6	
102 1,3,5-Trimethylbenzene	105	15.802	15.807	-0.005	93	4533346	100.0	89.8	
105 4-Chlorotoluene	126	15.929	15.929	0.000	99	1318910	100.0	92.3	
106 tert-Butylbenzene	134	16.246	16.245	0.001	94	1008252	100.0	94.4	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	98	4986518	100.0	93.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	96	6134856	100.0	93.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	5076420	100.0	92.8	
110 1,3-Dichlorobenzene	146	16.757	16.756	0.001	96	2563021	100.0	89.9	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	91	2461210	100.0	89.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	97	4904216	100.0	94.0	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	95	2662738	100.0	93.5	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	90	338020	100.0	109.0	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	1966513	100.0	98.2	
120 Hexachlorobutadiene	225	19.561	19.555	0.006	97	1081963	100.0	89.3	
121 Naphthalene	128	19.811	19.810	0.001	98	4444863	100.0	100.1	
122 1,2,3-Trichlorobenzene	180	20.170	20.175	-0.005	95	1729736	100.0	95.2	
S 125 Total BTEX	1				0			440.0	
S 126 Xylenes, Total	1				0			177.3	
S 123 1,2-Dichloroethene, Total	1				0			175.0	
S 124 1,3-Dichloropropene, Total	1				0			198.7	

Reagents:

SS 8260 CORP_00031	Amount Added:	50.00	Units: uL	
SS GAS CORP_00101	Amount Added:	50.00	Units: uL	
P 8260 IS_00116	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added:	1.00	Units: uL	Run Reagent

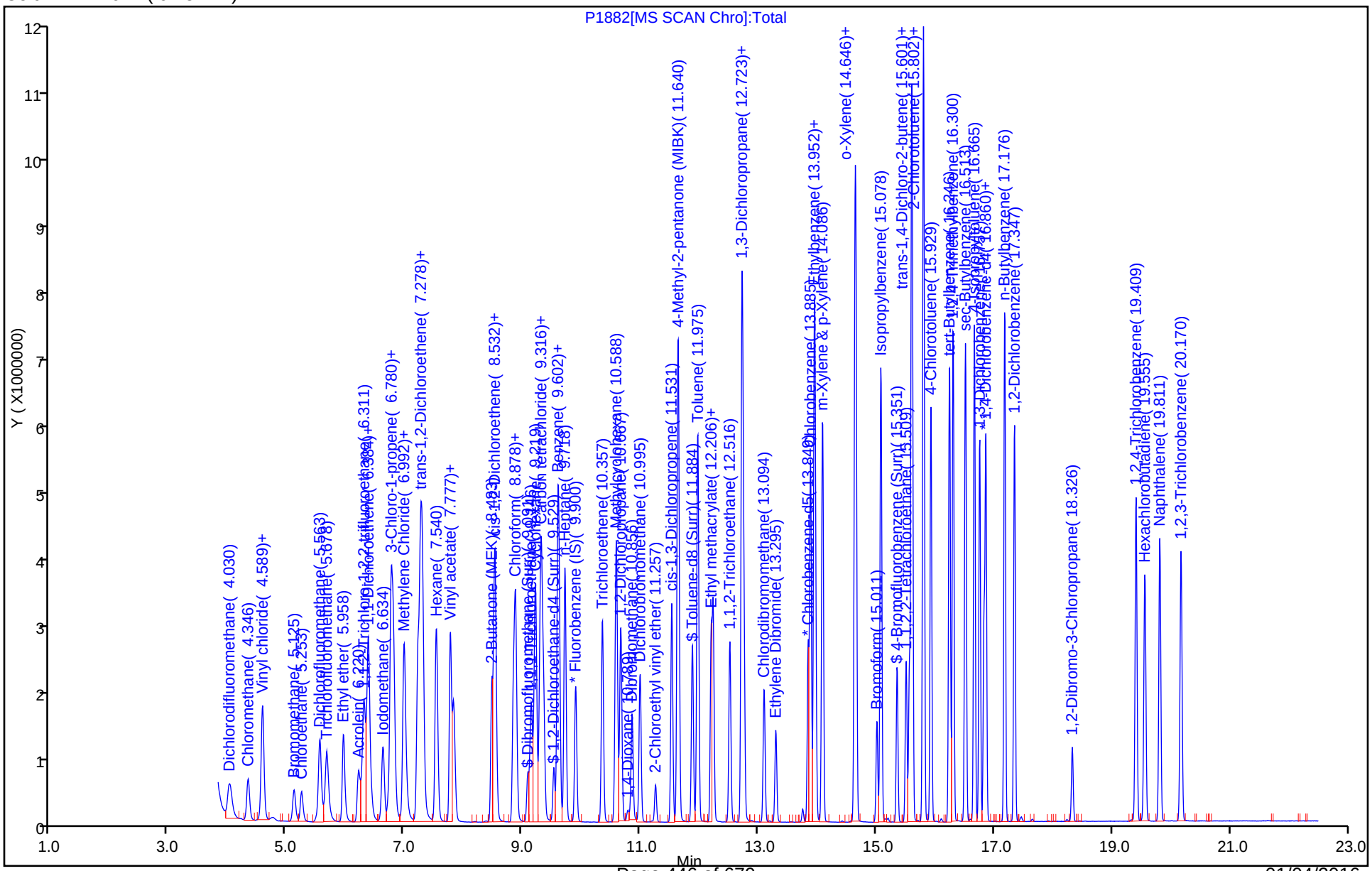
Report Date: 02-Dec-2015 14:53:53 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1882.D

Injection Date:	02-Dec-2015 04:01:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 6			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1883.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 02-Dec-2015 04:29:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0048850-009
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Dec-2015 14:53:55 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: cwiklinc Date: 02-Dec-2015 09:37:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	487744	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	88	1006561	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.829	0.000	97	777024	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.091	0.000	93	599377	50.0	48.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	361212	50.0	47.9	
$ 5 Toluene-d8 (Surr)	98	11.884	11.883	0.001	93	2190016	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.357	0.000	89	760380	50.0	49.6	
10 Dichlorodifluoromethane	85	4.030	4.030	0.000	99	2466470	200.0	159.1	
11 Chloromethane	50	4.358	4.340	0.018	99	2652537	200.0	191.1	
17 Vinyl chloride	62	4.583	4.571	0.012	98	1918595	200.0	174.7	
149 Butadiene	54	4.602	4.595	0.007	96	1899309	200.0	188.2	
12 Bromomethane	94	5.137	5.125	0.012	94	1296852	200.0	205.2	
13 Chloroethane	64	5.259	5.252	0.007	96	1351984	200.0	194.9	
19 Dichlorofluoromethane	67	5.569	5.557	0.013	98	4185863	200.0	173.7	
14 Trichlorofluoromethane	101	5.672	5.678	-0.006	98	3359485	200.0	172.4	
20 Ethyl ether	59	5.958	5.964	-0.006	97	2511239	200.0	181.9	
22 Acrolein	56	6.220	6.220	0.000	99	2715328	1000.0	916.0	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.305	0.006	95	2413978	200.0	148.5	
25 1,1-Dichloroethene	96	6.384	6.384	0.000	93	2320039	200.0	142.6	
24 Acetone	43	6.396	6.396	0.000	97	4780526	1000.0	855.3	
18 Iodomethane	142	6.640	6.633	0.007	100	4216773	200.0	169.7	
30 Methyl acetate	43	6.767	6.773	-0.006	99	10025752	1000.0	782.9	
27 Carbon disulfide	76	6.786	6.779	0.007	100	8012304	200.0	158.9	
28 3-Chloro-1-propene	41	6.816	6.810	0.006	89	4528706	200.0	168.1	
31 Methylene Chloride	84	6.992	6.986	0.006	94	2634503	200.0	192.4	
33 2-Methyl-2-propanol	59	7.005	7.010	-0.005	99	3597825	2000.0	1980.7	
32 Methyl tert-butyl ether	73	7.230	7.229	0.001	99	7580384	200.0	174.6	
34 Acrylonitrile	53	7.278	7.272	0.006	96	9143948	2000.0	1560.8	
35 trans-1,2-Dichloroethene	96	7.309	7.302	0.007	91	2065851	200.0	150.4	
36 Hexane	57	7.540	7.540	0.000	95	4118004	200.0	153.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.777	7.777	0.000	98	10855419	400.0	329.6	
40 1,1-Dichloroethane	63	7.832	7.832	0.000	97	5283257	200.0	173.1	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	7235939	1000.0	877.7	
43 cis-1,2-Dichloroethene	96	8.531	8.531	0.000	87	2391267	200.0	160.6	
45 2,2-Dichloropropane	77	8.538	8.537	0.001	91	3320184	200.0	159.1	
50 Chlorobromomethane	128	8.848	8.848	0.000	90	1191943	200.0	167.3	
51 Tetrahydrofuran	42	8.872	8.872	0.000	90	1771423	400.0	330.0	
49 Chloroform	83	8.884	8.884	0.000	96	4313031	200.0	164.2	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	3461521	200.0	198.2	
54 Cyclohexane	56	9.219	9.219	0.000	95	4993164	200.0	160.3	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	3783496	5000.0	4783.8	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	2936606	200.0	152.4	
55 Carbon tetrachloride	117	9.359	9.353	0.006	96	3191098	200.0	163.9	
57 Benzene	78	9.602	9.602	0.000	97	8347272	200.0	155.2	
60 1,2-Dichloroethane	62	9.627	9.626	0.001	97	3994775	200.0	164.5	
59 n-Heptane	43	9.724	9.718	0.006	97	4441800	200.0	156.2	
62 Trichloroethene	95	10.357	10.356	0.001	95	2475269	200.0	170.0	
64 Methylcyclohexane	83	10.594	10.594	0.000	99	4082400	200.0	163.6	
63 1,2-Dichloropropane	63	10.667	10.667	0.000	93	2730266	200.0	174.9	
68 1,4-Dioxane	88	10.789	10.788	0.000	98	487484	4000.0	3941.9	
69 Dibromomethane	93	10.855	10.855	0.000	96	1493729	200.0	173.4	
70 Dichlorobromomethane	83	10.995	10.995	0.000	98	3593055	200.0	183.4	
71 2-Chloroethyl vinyl ether	63	11.257	11.257	0.000	92	652897	200.0	226.2	
73 cis-1,3-Dichloropropene	75	11.531	11.531	0.000	90	4292390	200.0	189.1	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.640	0.000	91	11586502	1000.0	694.8	
76 Toluene	92	11.975	11.975	0.000	95	5371665	200.0	150.3	
77 Ethyl methacrylate	69	12.200	12.200	0.000	95	3032737	200.0	194.4	
78 trans-1,3-Dichloropropene	75	12.236	12.236	0.000	99	3728373	200.0	181.7	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	1773791	200.0	181.0	
80 Tetrachloroethene	166	12.717	12.717	0.000	92	1939868	200.0	141.3	
83 2-Hexanone	43	12.729	12.729	0.000	95	7978354	1000.0	695.0	
82 1,3-Dichloropropane	76	12.760	12.753	0.007	98	3008973	200.0	151.4	
81 Chlorodibromomethane	129	13.100	13.100	0.000	90	2598319	200.0	193.9	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	2366219	200.0	184.7	
87 Chlorobenzene	112	13.885	13.885	0.000	90	6165880	200.0	158.3	
89 Ethylbenzene	91	13.952	13.952	0.000	98	8318263	200.0	134.3	
88 1,1,1,2-Tetrachloroethane	131	13.970	13.970	0.000	92	2069800	200.0	156.6	
90 m-Xylene & p-Xylene	106	14.092	14.086	0.006	97	3993372	200.0	152.1	
93 o-Xylene	106	14.639	14.639	0.000	95	3963472	200.0	150.0	
94 Styrene	104	14.658	14.658	0.000	91	5914374	200.0	144.5	
92 Bromoform	173	15.011	15.010	0.000	96	1746123	200.0	207.1	
95 Isopropylbenzene	105	15.077	15.077	0.000	98	9151719	200.0	166.2	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.509	-0.006	96	2902871	200.0	222.8	
98 trans-1,4-Dichloro-2-buten	53	15.564	15.558	0.006	91	1169187	200.0	226.8	
101 1,2,3-Trichloropropane	110	15.595	15.594	0.001	77	643287	200.0	167.5	
100 Bromobenzene	156	15.601	15.600	0.001	94	2229390	200.0	163.3	
99 N-Propylbenzene	91	15.613	15.607	0.006	97	8732356	200.0	143.8	
103 2-Chlorotoluene	126	15.801	15.801	0.000	95	1963082	200.0	160.2	
102 1,3,5-Trimethylbenzene	105	15.807	15.807	0.000	95	7240064	200.0	156.1	
105 4-Chlorotoluene	126	15.929	15.929	0.000	98	2309764	200.0	175.9	
106 tert-Butylbenzene	134	16.245	16.245	0.000	92	1793630	200.0	182.7	
107 1,2,4-Trimethylbenzene	105	16.306	16.306	0.000	97	7865294	200.0	159.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	97	9333242	200.0	154.0	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	93	7923716	200.0	157.6	
110 1,3-Dichlorobenzene	146	16.756	16.756	0.000	95	4387287	200.0	167.6	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	90	4186920	200.0	165.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	93	7777306	200.0	162.3	
116 1,2-Dichlorobenzene	146	17.347	17.346	0.001	96	4572471	200.0	174.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	673831	200.0	236.5	
119 1,2,4-Trichlorobenzene	180	19.409	19.409	0.000	94	3424086	200.0	186.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	96	1949835	200.0	152.1	
121 Naphthalene	128	19.810	19.810	0.000	98	7575191	200.0	161.4	
122 1,2,3-Trichlorobenzene	180	20.169	20.175	-0.006	94	3040825	200.0	158.3	
S 125 Total BTEX	1				0			741.7	
S 126 Xylenes, Total	1				0			302.0	
S 123 1,2-Dichloroethene, Total	1				0			311.0	
S 124 1,3-Dichloropropene, Total	1				0			370.8	

Reagents:

SS 8260 CORP_00031	Amount Added: 100.00	Units: uL	
SS GAS CORP_00101	Amount Added: 100.00	Units: uL	
P 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00154	Amount Added: 1.00	Units: uL	Run Reagent

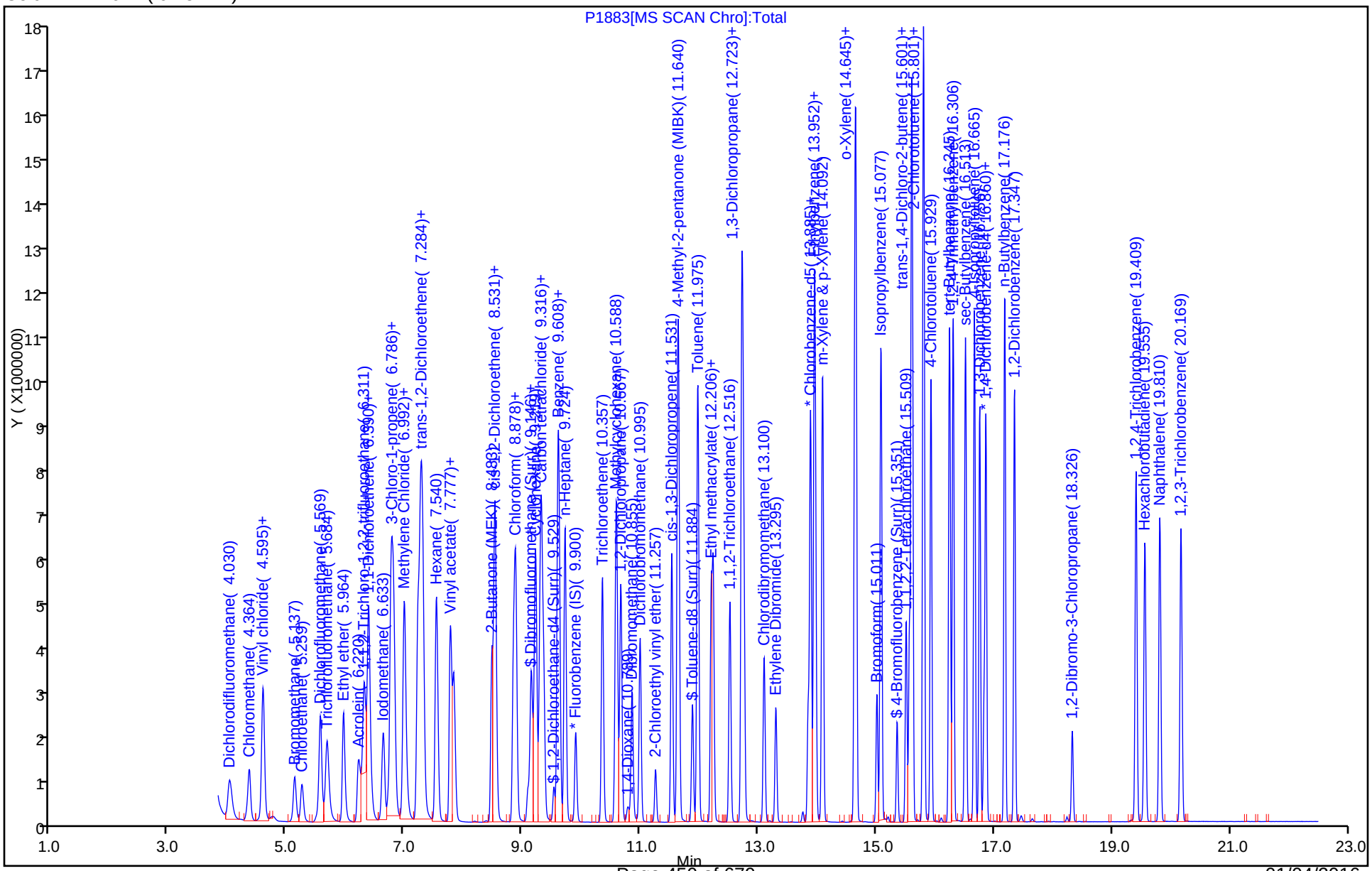
Report Date: 02-Dec-2015 14:53:56 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1883.D

Injection Date:	02-Dec-2015 04:29:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	IC 7			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.3308	1.2228 1.3281	1.4173	1.2277	1.1873	Ave		1.2857			0.1000	6.8		20.0			
Chloromethane	2.6961 2.4460	2.4219 2.4662	2.5310	2.3741	2.3572	Ave		2.4704			0.1000	4.7		20.0			
Vinyl chloride	+++++ 1.3481	1.3310 1.3920	1.3940	1.2340	1.2716	Ave		1.3284			0.1000	4.9		20.0			
Butadiene	1.5549 1.5384	1.9251 1.6681	1.6908	1.4393	1.4325	Ave		1.6070				10.7		20.0			
Bromomethane	+++++ 0.3967	0.4565 0.4243	0.3830	0.3936	0.3829	Ave		0.4062			0.1000	7.1		20.0			
Chloroethane	0.7687 0.5370	0.9305 0.5802	0.5734	0.5220	0.5063	Lin1	0.1636	0.5524			0.1000				0.9960		0.9900
Dichlorofluoromethane	1.3977 1.4819	1.1522 1.5223	1.4956	1.4367	1.4342	Ave		1.4172				8.8		20.0			
Trichlorofluoromethane	+++++ 1.2589	1.0880 1.2913	1.2539	1.0953	1.1737	Ave		1.1935			0.1000	7.4		20.0			
Ethyl ether	1.2557 1.4184	1.6013 1.4768	1.4571	1.4603	1.4312	Ave		1.4430				7.1		20.0			
Acrolein	+++++ 0.2852	0.2816 0.2989	0.2634	0.2678	0.2770	Ave		0.2790				4.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0173	0.9454 1.0421	1.0630	0.9781	0.9164	Ave		0.9937			0.1000	5.7		20.0			
1,1-Dichloroethene	+++++ 1.1287	1.0839 1.1598	1.2015	1.0921	1.0797	Ave		1.1243			0.1000	4.3		20.0			
Acetone	0.4633 0.4612	0.5130 0.4696	0.4375	0.4517	0.4611	Ave		0.4654			0.1000	5.0		20.0			
Iodomethane	+++++ 1.2304	1.3831 1.4343	1.1310	1.1859	1.2009	Ave		1.2609				9.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	3.0021 3.1786	3.5312 3.3572	3.3393	3.0658	3.1305	Ave		3.2292			0.1000	5.8		20.0			
Allyl chloride	2.0519 2.2637	2.7757 2.2696	2.3594	2.3039	2.2676	Ave		2.3274				9.4		20.0			
Methyl acetate	0.9908 1.2368	1.2558 1.2704	1.1773	1.2300	1.2374	Ave		1.1998			0.1000	8.1		20.0			
Methylene Chloride	+++++ 1.1081	1.8483 1.1526	1.3217	1.2482	1.1598	Lin1	0.7692	1.1308			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.1370	0.1178 0.1509	0.1025	0.1112	0.1246	Ave		0.1240				14.2		20.0			
Methyl tert-butyl ether	+++++ 3.2064	3.4175 3.2628	3.1983	3.2748	3.2215	Ave		3.2635			0.1000	2.5		20.0			
trans-1,2-Dichloroethene	+++++ 1.1279	1.2450 1.1421	1.1731	1.1286	1.1478	Ave		1.1607			0.1000	3.8		20.0			
Acrylonitrile	0.5377 0.6585	0.6704 0.6749	0.6425	0.6589	0.6638	Ave		0.6438				7.4		20.0			
Hexane	2.4329 2.6765	2.7773 2.7037	2.8705	2.4459	2.4056	Ave		2.6161				7.1		20.0			
1,1-Dichloroethane	2.2567 2.4619	2.8101 2.5186	2.6497	2.4995	2.4710	Ave		2.5239			0.2000	6.8		20.0			
Vinyl acetate	+++++ 3.4563	2.7944 3.6713	2.7773	2.9332	3.2066	Ave		3.1399				11.7		20.0			
2,2-Dichloropropane	+++++ 0.8991	0.8034 0.9214	0.9584	0.9015	0.9008	Ave		0.8974				5.7		20.0			
cis-1,2-Dichloroethene	+++++ 1.2344	1.3411 1.2426	1.2719	1.2860	1.2513	Ave		1.2712			0.1000	3.1		20.0			
2-Butanone (MEK)	+++++ 0.7538	0.7221 0.7932	0.6912	0.7274	0.7381	Ave		0.7376			0.1000	4.6		20.0			
Chlorobromomethane	0.6513 0.6512	0.6583 0.6508	0.6793	0.6507	0.6677	Ave		0.6585				1.7		20.0			
Tetrahydrofuran	+++++ 0.5425	0.6431 0.5686	0.5059	0.5341	0.5368	Ave		0.5552				8.6		20.0			
Chloroform	1.8471 1.8870	2.0843 1.9269	1.9642	1.9383	1.9346	Ave		1.9403			0.2000	3.8		20.0			
1,1,1-Trichloroethane	1.3854 1.4015	1.3909 1.4632	1.4266	1.3535	1.3322	Ave		1.3933			0.1000	3.1		20.0			
Cyclohexane	+++++ 2.9362	3.3099 3.1667	3.0763	2.7890	2.7359	Ave		3.0023			0.1000	7.4		20.0			
Carbon tetrachloride	+++++ 1.3431	1.3284 1.4158	1.2384	1.1969	1.2273	Ave		1.2917			0.1000	6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	1.5293 1.5521	1.6623 1.5684	1.6602	1.5477	1.5337	Ave		1.5791				3.6		20.0			
Benzene	4.3031 4.4027	4.6741 4.3079	4.7423	4.5450	4.4926	Ave		4.4954			0.5000	3.8		20.0			
Isobutyl alcohol	+++++ 0.0713	0.0602 0.0784	0.0492	0.0542	0.0625	Ave		0.0626				17.2		20.0			
1,2-Dichloroethane	2.1750 1.9281	2.2132 1.9484	1.9832	2.0437	1.9787	Ave		2.0386			0.1000	5.5		20.0			
n-Heptane	+++++ 2.7515	2.8798 2.7471	2.9053	2.4863	2.5075	Ave		2.7129				6.6		20.0			
Trichloroethene	1.1431 1.1633	1.3312 1.1866	1.1687	1.1359	1.1676	Ave		1.1852			0.2000	5.6		20.0			
Methylcyclohexane	1.9605 2.0573	2.0750 2.1021	2.1814	1.8383	1.8607	Ave		2.0108			0.1000	6.4		20.0			
1,2-Dichloropropane	+++++ 1.3827	1.4493 1.4215	1.3586	1.3873	1.3762	Ave		1.3959			0.1000	2.4		20.0			
Dibromomethane	+++++ 0.6288	0.6806 0.6364	0.5967	0.6762	0.6463	Ave		0.6442			0.1000	4.9		20.0			
1,4-Dioxane	+++++ 0.0055	0.0056 0.0056	0.0044	0.0049	0.0053	Ave		0.0052				8.7		20.0			
Bromodichloromethane	+++++ 1.3421	1.1376 1.4133	1.1292	1.1655	1.2275	Ave		1.2359			0.2000	9.5		20.0			
2-Chloroethyl vinyl ether	+++++ 0.9409	0.8905 0.9823	0.8761	0.8951	0.9280	Ave		0.9188				4.3		20.0			
cis-1,3-Dichloropropene	+++++ 1.8316	1.7174 1.8873	1.5729	1.6933	1.7960	Ave		1.7498			0.2000	6.4		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.7200	0.6321 0.7399	0.6410	0.6842	0.7001	Ave		0.6862			0.1000	6.3		20.0			
Toluene	+++++ 1.3227	1.3854 1.3496	1.4058	1.3512	1.3200	Ave		1.3558			0.4000	2.5		20.0			
trans-1,3-Dichloropropene	+++++ 0.7498	0.6215 0.7897	0.6432	0.6670	0.7035	Ave		0.6958			0.1000	9.3		20.0			
Ethyl methacrylate	+++++ 0.6229	0.4789 0.6646	0.4843	0.5515	0.5808	Ave		0.5638				13.2		20.0			
1,1,2-Trichloroethane	+++++ 0.3624	0.4178 0.3699	0.3615	0.3755	0.3634	Ave		0.3751			0.1000	5.8		20.0			
Tetrachloroethene	+++++ 0.6448	0.6666 0.6522	0.6971	0.6366	0.6225	Ave		0.6533			0.2000	4.0		20.0			
1,3-Dichloropropane	+++++ 0.7889	0.8341 0.8088	0.8029	0.8288	0.7961	Ave		0.8099				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.5065	0.3792 0.5249	0.4303	0.4632	0.4880	Ave		0.4654			0.1000	11.5		20.0			
Dibromochloromethane	+++++ 0.4560	0.3430 0.5187	0.3332	0.3817	0.4113	Ave		0.4073			0.1000	17.4		20.0			
1,2-Dibromoethane	0.4283 0.4647	0.3412 0.4813	0.4580	0.4651	0.4667	Ave		0.4436				10.8		20.0			
Chlorobenzene	1.5673 1.5489	1.6013 1.5627	1.6289	1.6149	1.5525	Ave		1.5824			0.5000	2.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.5158	0.3837 0.5450	0.4651	0.4873	0.4976	Ave		0.4824				11.5		20.0			
Ethylbenzene	+++++ 2.4365	2.4017 2.4397	2.5268	2.4965	2.4365	Ave		2.4563			0.1000	1.9		20.0			
m,p-Xylene	+++++ 1.0424	1.0572 1.0573	1.0608	1.0199	1.0136	Ave		1.0419			0.1000	2.0		20.0			
o-Xylene	+++++ 1.0158	0.9931 1.0349	1.0321	1.0204	0.9994	Ave		1.0159			0.3000	1.7		20.0			
Styrene	+++++ 1.6549	1.5774 1.6693	1.5913	1.6688	1.6508	Ave		1.6354			0.3000	2.5		20.0			
Bromoform	+++++ 0.2361	0.1761 +++++	0.1631	0.1740	0.1986	Ave		0.1896			0.1000	15.3		20.0			
Isopropylbenzene	+++++ 2.4067	2.4343 2.4129	2.4247	2.3691	2.3678	Ave		2.4026			0.1000	1.2		20.0			
Bromobenzene	+++++ 0.6665	0.7117 0.6760	0.6631	0.6801	0.6718	Ave		0.6782				2.6		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5333	0.5529 0.5530	0.5020	0.5256	0.5237	Ave		0.5318			0.3000	3.7		20.0			
1,2,3-Trichloropropane	+++++ 0.1873	0.1736 0.1928	0.1922	0.1854	0.1927	Ave		0.1873				4.0		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2583	0.2069 0.2873	0.2177	0.2382	0.2543	Ave		0.2438				12.0		20.0			
N-Propylbenzene	+++++ 2.7549	2.7172 2.7092	2.7826	2.7248	2.7168	Ave		2.7343				1.0		20.0			
2-Chlorotoluene	0.5481 0.6087	0.6240 0.6117	0.6007	0.6054	0.6021	Ave		0.6001				4.0		20.0			
1,3,5-Trimethylbenzene	+++++ 2.0641	2.0607 2.0546	2.0877	2.0524	2.0404	Ave		2.0600				0.8		20.0			
4-Chlorotoluene	+++++ 0.6288	0.6636 0.6448	0.6750	0.6500	0.6350	Ave		0.6495				2.7		20.0			
tert-Butylbenzene	0.4282 0.5158	0.4280 0.5181	0.5087	0.5124	0.4999	Ave		0.4873				8.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 2.1082	2.0794 2.0852	2.1377	2.1208	2.1005	Ave		2.1053				1.0		20.0			
sec-Butylbenzene	+++++ 2.6029	2.6138 2.5545	2.6580	2.4978	2.5331	Ave		2.5767				2.3		20.0			
1,3-Dichlorobenzene	1.1767 1.2862	1.4066 1.2798	1.3438	1.3367	1.3067	Ave		1.3052			0.6000	5.4		20.0			
4-Isopropyltoluene	+++++ 2.4176	2.3330 2.3718	2.4312	2.3965	2.3769	Ave		2.3878				1.5		20.0			
1,4-Dichlorobenzene	1.2287 1.2956	1.4511 1.3002	1.3672	1.3268	1.2925	Ave		1.3232			0.5000	5.3		20.0			
n-Butylbenzene	+++++ 1.9744	1.8428 1.9276	1.9540	1.8808	1.9281	Ave		1.9180				2.5		20.0			
1,2-Dichlorobenzene	1.2195 1.2367	1.3095 1.2451	1.2941	1.3095	1.2479	Ave		1.2660			0.4000	2.9		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0896	0.0689 0.1031	0.0680	0.0723	0.0788	Ave		0.0801			0.0500	17.2		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9147	0.9568 0.9331	0.9473	0.9229	0.9023	Ave		0.9295			0.2000	2.2		20.0			
Hexachlorobutadiene	0.3929 0.3897	0.5300 0.4015	0.4088	0.3835	0.3839	Ave		0.4129				12.7		20.0			
Naphthalene	+++++ 2.2212	2.0731 2.3383	2.0486	2.1119	2.1789	Ave		2.1620				5.0		20.0			
1,2,3-Trichlorobenzene	0.8885 0.8564	0.8834 0.8831	0.8725	0.8901	0.8419	Ave		0.8737				2.1		20.0			
Dibromofluoromethane (Surr)	1.1154 1.1316	1.1431 1.1355	1.1398	1.1297	1.1370	Ave		1.1332				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7873 0.7599	0.8041 0.7557	0.7772	0.7715	0.7722	Ave		0.7754				2.1		20.0			
Toluene-d8 (Surr)	2.1597 2.1804	2.1701 2.2353	2.2646	2.1942	2.2209	Ave		2.2036				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.6900 0.7033	0.6982 0.7267	0.7264	0.6961	0.7031	Ave		0.7062				2.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-278464/5	S5794.D
Level 2	IC 480-278464/13	S5802.D
Level 3	IC 480-278464/7	S5796.D
Level 4	IC 480-278464/8	S5797.D
Level 5	ICIS 480-278464/9	S5798.D
Level 6	IC 480-278464/10	S5799.D
Level 7	IC 480-278464/11	S5800.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 384878	6613 732166	39226	69208	167752	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	7253 707401	13098 1359630	70050	133830	333053	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	+++++ 389881	7198 767389	38582	69560	179662	+++++ 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	4183 444921	10411 919655	46796	81136	202402	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	+++++ 114735	2469 233914	10601	22185	54107	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Lin1	2068 155288	5032 319861	15871	29425	71541	0.500 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	3760 428557	6231 839254	41393	80991	202648	0.500 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	+++++ 364067	5884 711886	34704	61742	165837	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	3378 410204	8660 814181	40327	82317	202216	0.500 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	+++++ 412341	7614 824014	36451	75488	195663	+++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 294194	5113 574499	29420	55139	129487	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Ave	+++++ 326433	5862 639416	33254	61561	152549	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	6232 666854	13871 1294453	60549	127327	325776	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	+++++ 355845	7480 790710	31302	66852	169677	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	8076 919270	19097 1850817	92423	172823	442319	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	5520 654665	15011 1251259	65302	129876	320400	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	13327 1788408	33957 3501767	162926	346679	874197	2.50 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Lin1	+++++ 320479	9996 635449	36580	70360	163870	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	+++++ 396153	6369 831957	28372	62657	176036	+++++ 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	+++++ 927310	18482 1798787	88520	184602	455171	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 326177	6733 629624	32469	63618	162176	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	14466 1904536	36255 3721025	177820	371449	937951	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	6545 774063	15020 1490572	79448	137879	339893	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	6071 711976	15197 1388492	73335	140899	349138	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	+++++ 1999132	30225 4048027	153732	330701	906140	+++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 260020	4345 507948	26527	50817	127274	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 356979	7253 685068	35201	72491	176801	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	+++++ 1089965	19526 2186412	95655	205030	521469	+++++ 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	1752 188339	3560 358803	18800	36683	94337	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	+++++ 313782	6956 626974	28005	60220	151679	+++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	4969 545719	11272 1062310	54364	109266	273346	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	3727 405331	7522 806655	39485	76296	188231	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	+++++ 849146	17900 1745813	85143	157217	386557	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	+++++ 388432	7184 780531	34276	67472	173413	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	4114 448860	8990 864665	45948	87248	216695	0.500 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	11576 1273280	25278 2374990	131252	256205	634777	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	+++++ 515258	8143 1081037	34019	76362	220608	+++++ 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	5851 557623	11969 1074152	54890	115208	279571	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	+++++ 795739	15574 1514477	80409	140157	354291	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	3075 336443	7199 654158	32345	64031	164967	0.500 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	5274 594963	11222 1158878	60375	103629	262907	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	+++++ 399881	7838 783659	37601	78204	194453	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	+++++ 181849	3681 350847	16516	38116	91319	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Ave	+++++ 69823	1390 134550	5373	12325	33462	+++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	+++++ 388124	6152 779182	31252	65702	173441	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 272104	4816 541526	24248	50460	131120	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 529705	9288 1040474	43533	95452	253766	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 2303686	39518 4467025	195072	426755	1103729	+++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	+++++ 846474	17324 1629513	85564	168561	416198	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	+++++ 479849	7772 953423	39151	83208	221802	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	+++++ 398620	5988 802412	29477	68795	183114	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 231896	5225 446618	22003	46850	114567	+++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	+++++ 412634	8336 787428	42427	79418	196259	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	+++++ 504839	10430 976493	48870	103400	251020	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	+++++ 1620695	23708 3168492	130954	288951	769332	+++++ 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	+++++ 291798	4289 626312	20280	47612	129665	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBZ	Ave	2633 297386	4267 581097	27874	58018	147160	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	9636 991172	20023 1886737	99142	201464	489503	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 330105	4798 658067	28311	60788	156892	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	+++++ 1559193	30032 2945674	153796	311438	768201	+++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	+++++ 667091	13220 1276629	64566	127235	319588	+++++ 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	+++++ 650046	12418 1249533	62822	127291	315108	+++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	+++++ 1059058	19725 2015443	96856	208180	520475	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	+++++ 151093	2202 +++++	9927	21712	62613	+++++ 50.0	1.00 +++++	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	+++++ 1592966	31400 3037383	155131	308097	769696	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	+++++ 441115	9180 851016	42421	88443	218378	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 353013	7132 696118	32118	68357	170247	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 123972	2239 242757	12295	24112	62652	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 170994	2669 361615	13930	30971	82663	+++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	+++++ 1823439	35048 3410446	178027	354350	883134	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	3581 402879	8049 770020	38434	78736	195715	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 1366200	26580 2586418	133570	266907	663249	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	+++++ 416165	8559 811729	43185	84531	206417	+++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	2798 341425	5521 652188	32546	66641	162497	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 1395377	26822 2624879	136768	275797	682796	+++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	+++++ 1722835	33715 3215691	170056	324824	823426	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	7688 851308	18143 1611103	85971	173838	424764	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	+++++ 1600178	30093 2985715	155542	311653	772647	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1 Analy Batch No.: 278464

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2015 13:52 Calibration End Date: 12/07/2015 16:55 Calibration ID: 25734

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	8028 857547	18718 1636702	87474	172541	420148	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	+++++ 1306828	23770 2426545	125016	244588	626745	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	7968 818524	16891 1567356	82796	170294	405634	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59301	889 129795	4350	9406	25618	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 605408	12342 1174572	60608	120022	293300	+++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	2567 257956	6836 505418	26152	49873	124789	0.500 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	+++++ 1470204	26740 2943541	131067	274641	708276	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	5805 566866	11395 1111686	55819	115758	273684	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	163079 177854	167995 170114	171454	173046	174615	27.2 27.2	27.2 27.2	27.2	27.2	27.2
1,2-Dichloroethane-d4 (Surr)	FB	Ave	115111 119444	118176 113208	116902	118182	118593	27.2 27.2	27.2 27.2	27.2	27.2	27.2
Toluene-d8 (Surr)	CBZ	Ave	721610 758326	737390 733388	749115	743834	761118	27.2 27.2	27.2 27.2	27.2	27.2	27.2
4-Bromofluorobenzene (Surr)	CBZ	Ave	230551 244603	237257 238419	240269	235976	240952	27.2 27.2	27.2 27.2	27.2	27.2	27.2

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Dec-2015 13:52:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0049002-005
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:12 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:39:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	134508	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	307398	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	94	326688	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	72	163079	27.2	26.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	115111	27.2	27.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	721610	27.2	26.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	230551	27.2	26.5	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	42	3024	0.5000	0.4372	
12 Chloromethane	50	1.401	1.407	-0.006	73	7253	0.5000	0.5457	
13 Vinyl chloride	62	1.505	1.505	0.000	15	3042	0.5000	0.4256	
151 Butadiene	54	1.535	1.535	0.000	77	4183	0.5000	0.4838	
14 Bromomethane	94	1.821	1.797	0.024	1	1381	0.5000	0.6319	
15 Chloroethane	64	1.919	1.919	0.000	1	2068	0.5000	0.3996	
16 Dichlorofluoromethane	67	2.120	2.132	-0.012	18	3760	0.5000	0.4931	
17 Trichlorofluoromethane	101	2.138	2.144	-0.006	19	2718	0.5000	0.4233	
18 Ethyl ether	59	2.424	2.424	0.000	53	3378	0.5000	0.4351	
20 Acrolein	56	2.588	2.582	0.006	49	2994	2.50	1.99	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	1	2131	0.5000	0.3986	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	40	2062	0.5000	0.3409	
23 Acetone	43	2.741	2.741	0.000	75	6232	2.50	2.49	
25 Iodomethane	142	2.820	2.820	0.000	51	2219	0.5000	0.3271	
26 Carbon disulfide	76	2.856	2.850	0.006	49	8076	0.5000	0.4648	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	31	5520	0.5000	0.4408	
27 Methyl acetate	43	3.051	3.045	0.006	95	13327	2.50	2.06	
30 Methylene Chloride	84	3.161	3.179	-0.018	62	7189	0.5000	0.5014	
31 2-Methyl-2-propanol	59	3.313	3.301	0.012	14	2038	5.00	3.06	
32 Methyl tert-butyl ether	73	3.374	3.368	0.006	63	7651	0.5000	0.4357	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	56	2619	0.5000	0.4194	
33 Acrylonitrile	53	3.410	3.404	0.006	96	14466	5.00	4.18	
35 Hexane	57	3.593	3.599	-0.006	72	6545	0.5000	0.4650	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.782	3.788	-0.006	1	6071	0.5000	0.4471	
37 Vinyl acetate	43	3.855	3.849	0.006	71	11181	1.00	0.6619	
44 2,2-Dichloropropane	77	4.323	4.317	0.006	22	2884	0.5000	0.5973	
45 cis-1,2-Dichloroethene	96	4.336	4.342	-0.006	20	2743	0.5000	0.4011	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	34	6507	2.50	1.64	
48 Chlorobromomethane	128	4.573	4.573	0.000	18	1752	0.5000	0.4945	
49 Tetrahydrofuran	42	4.628	4.603	0.025	35	2058	1.00	0.6890	
50 Chloroform	83	4.652	4.652	0.000	38	4969	0.5000	0.4760	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	1	3727	0.5000	0.4972	
52 Cyclohexane	56	4.804	4.804	0.000	1	6490	0.5000	0.4018	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	14	2749	0.5000	0.3956	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	1	4114	0.5000	0.4842	
53 Isobutyl alcohol	43	5.139	5.133	0.006	2	1519	12.5	4.51	
57 Benzene	78	5.133	5.133	0.000	59	11576	0.5000	0.4786	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	31	5851	0.5000	0.5334	
59 n-Heptane	43	5.334	5.340	-0.006	67	6313	0.5000	0.4325	
62 Trichloroethene	95	5.754	5.748	0.006	32	3075	0.5000	0.4822	
64 Methylcyclohexane	83	5.882	5.882	0.000	45	5274	0.5000	0.4875	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	25	2767	0.5000	0.3684	
67 Dibromomethane	93	6.113	6.107	0.006	18	1082	0.5000	0.3122	
66 1,4-Dioxane	88		6.119				ND	ND	
68 Dichlorobromomethane	83	6.265	6.265	0.000	1	2748	0.5000	0.4133	
69 2-Chloroethyl vinyl ether	63	6.552	6.546	0.006	1	1567	0.5000	0.3170	
72 cis-1,3-Dichloropropene	75	6.692	6.686	0.006	11	3376	0.5000	0.3586	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	69	13913	2.50	1.65	
74 Toluene	92	6.978	6.984	-0.006	78	6318	0.5000	0.3790	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	18	2457	0.5000	0.2872	
75 Ethyl methacrylate	69		7.306				ND	ND	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	7	1786	0.5000	0.3872	
81 Tetrachloroethene	166	7.526	7.520	0.006	36	3167	0.5000	0.3943	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	31	3913	0.5000	0.3929	
80 2-Hexanone	43	7.672	7.666	0.006	51	7762	2.50	1.36	
83 Chlorodibromomethane	129	7.836	7.830	0.006	1	1665	0.5000	0.3325	
84 Ethylene Dibromide	107	7.933	7.934	-0.001	34	2633	0.5000	0.4827	
87 Chlorobenzene	112	8.420	8.421	-0.001	31	9636	0.5000	0.4953	
89 1,1,1,2-Tetrachloroethane	131	8.524	8.518	0.006	1	1766	0.5000	0.2977	
88 Ethylbenzene	91	8.524	8.524	0.000	59	12284	0.5000	0.4067	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	5522	0.5000	0.4310	
91 o-Xylene	106	9.072	9.072	0.000	65	5502	0.5000	0.4404	
92 Styrene	104	9.096	9.096	0.000	26	8266	0.5000	0.4111	
95 Bromoform	173	9.334	9.328	0.006	1	983	0.5000	0.4217	
94 Isopropylbenzene	105	9.455	9.455	0.000	66	13657	0.5000	0.4350	
101 Bromobenzene	156	9.790	9.796	-0.006	50	3836	0.5000	0.4328	
97 1,1,2,2-Tetrachloroethane	83	9.839	9.833	0.006	1	2261	0.5000	0.3254	
100 1,2,3-Trichloropropane	110	9.857	9.869	-0.012	1	879	0.5000	0.3591	
99 N-Propylbenzene	91	9.888	9.882	0.006	74	13752	0.5000	0.3849	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.882	0.006	1	1215	0.5000	0.3814	
103 2-Chlorotoluene	126	9.985	9.985	0.000	58	3581	0.5000	0.4567	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	45	11054	0.5000	0.4106	
105 4-Chlorotoluene	126	10.095	10.095	0.000	39	3700	0.5000	0.4359	
106 tert-Butylbenzene	134	10.381	10.381	0.000	35	2798	0.5000	0.4394	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	43	10897	0.5000	0.3961	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	49	14129	0.5000	0.4196	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	52	7688	0.5000	0.4508	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	51	12673	0.5000	0.4061	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	1	8028	0.5000	0.4643	
115 n-Butylbenzene	91	11.117	11.117	0.000	67	8667	0.5000	0.3458	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	44	7968	0.5000	0.4816	
117 1,2-Dibromo-3-Chloropropan	75		11.872				ND	ND	
119 1,2,4-Trichlorobenzene	180	12.566	12.560	0.006	18	5135	0.5000	0.4228	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	1	2567	0.5000	0.4758	
121 Naphthalene	128	12.773	12.773	0.000	12	11523	0.5000	0.4079	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	39	5805	0.5000	0.5084	
S 125 1,2-Dichloroethene, Total	1				0			0.8204	
S 126 1,3-Dichloropropene, Total	1				0			0.6458	
S 123 Total BTEX	1				0			2.14	
S 124 Xylenes, Total	1				0			0.8715	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

8260 CORP mix_00061	Amount Added:	0.50	Units: uL	
GAS CORP mix_00125	Amount Added:	0.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

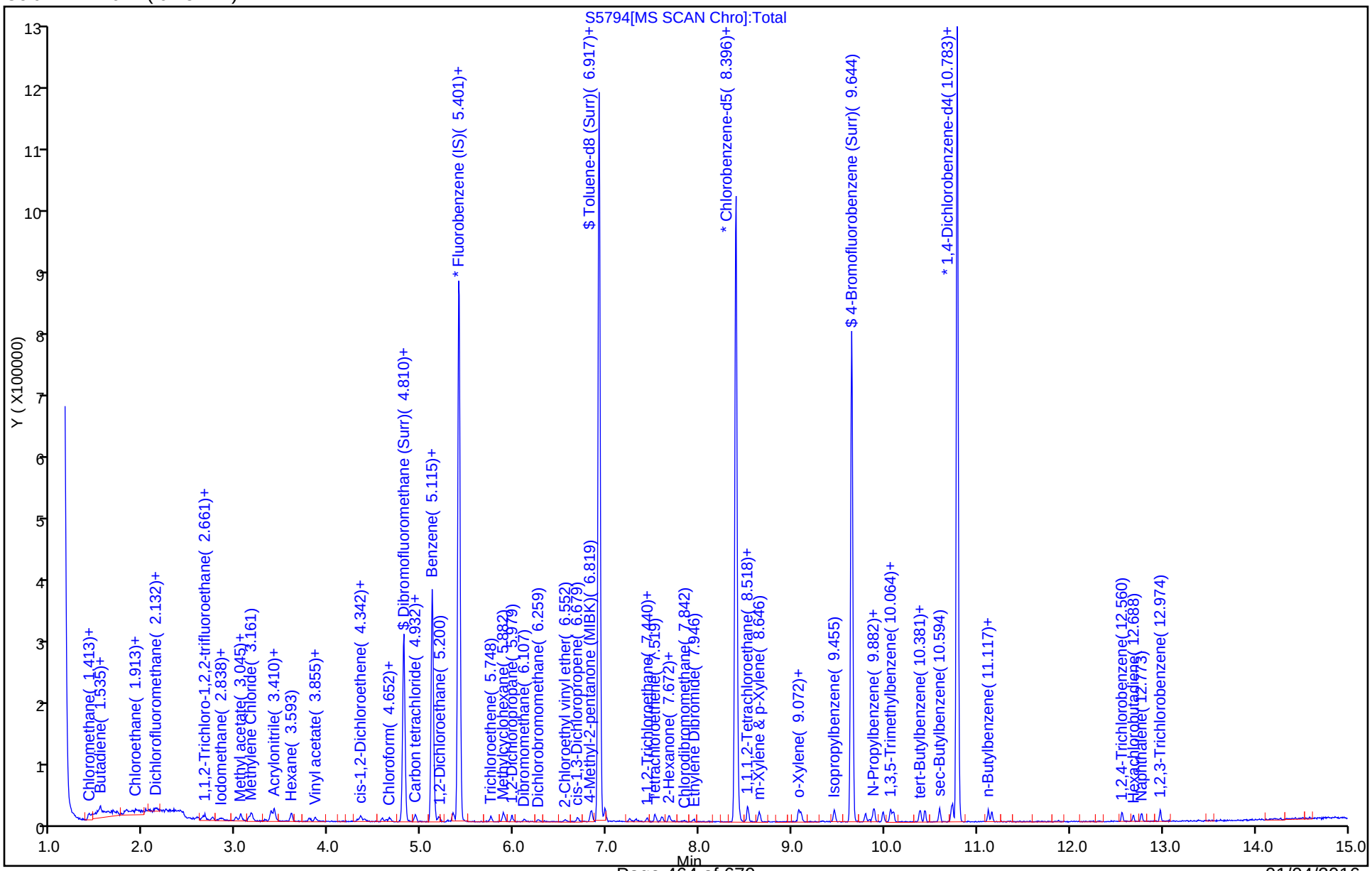
Report Date: 07-Dec-2015 22:59:13 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5794.D

Injection Date:	07-Dec-2015 13:52:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 0.5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Dec-2015 14:38:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0049002-007
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:02 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:13:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	138385	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.390	0.000	86	304326	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	93	319891	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	82	171454	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	116902	27.2	27.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	94	749115	27.2	27.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	240269	27.2	27.9	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	67	39226	5.00	5.51	
12 Chloromethane	50	1.401	1.407	-0.006	88	70050	5.00	5.12	
13 Vinyl chloride	62	1.505	1.505	0.000	75	38582	5.00	5.25	
151 Butadiene	54	1.529	1.535	-0.006	86	46796	5.00	5.26	
14 Bromomethane	94	1.821	1.797	0.024	31	10601	5.00	4.71	
15 Chloroethane	64	1.919	1.919	0.000	59	15871	5.00	4.89	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	66	41393	5.00	5.28	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	55	34704	5.00	5.25	
18 Ethyl ether	59	2.424	2.424	0.000	94	40327	5.00	5.05	
20 Acrolein	56	2.582	2.582	0.000	82	36451	25.0	23.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.661	2.649	0.012	28	29420	5.00	5.35	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	76	33254	5.00	5.34	M
23 Acetone	43	2.741	2.741	0.000	97	60549	25.0	23.5	
25 Iodomethane	142	2.814	2.820	-0.006	83	31302	5.00	4.48	
26 Carbon disulfide	76	2.856	2.850	0.006	95	92423	5.00	5.17	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	75	65302	5.00	5.07	
27 Methyl acetate	43	3.045	3.045	0.000	97	162926	25.0	24.5	
30 Methylene Chloride	84	3.167	3.179	-0.012	77	36580	5.00	5.16	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	86	28372	50.0	41.3	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	90	88520	5.00	4.90	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	79	32469	5.00	5.05	
33 Acrylonitrile	53	3.404	3.404	0.000	98	177820	50.0	49.9	
35 Hexane	57	3.599	3.599	0.000	94	79448	5.00	5.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	74	73335	5.00	5.25	
37 Vinyl acetate	43	3.849	3.849	0.000	90	153732	10.0	8.85	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	72	26527	5.00	5.34	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	71	35201	5.00	5.00	
43 2-Butanone (MEK)	43	4.378	4.372	0.006	91	95655	25.0	23.4	
48 Chlorobromomethane	128	4.573	4.573	0.000	77	18800	5.00	5.16	
49 Tetrahydrofuran	42	4.610	4.603	0.007	84	28005	10.0	9.11	
50 Chloroform	83	4.652	4.652	0.000	79	54364	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	81	39485	5.00	5.12	
52 Cyclohexane	56	4.804	4.804	0.000	45	85143	5.00	5.12	
55 Carbon tetrachloride	117	4.920	4.926	-0.006	68	34276	5.00	4.79	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	84	45948	5.00	5.26	
53 Isobutyl alcohol	43	5.133	5.133	0.000	44	34019	125.0	98.1	M
57 Benzene	78	5.133	5.133	0.000	89	131252	5.00	5.27	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	58	54890	5.00	4.86	
59 n-Heptane	43	5.340	5.340	0.000	95	80409	5.00	5.35	
62 Trichloroethene	95	5.748	5.748	0.000	82	32345	5.00	4.93	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	60375	5.00	5.42	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	83	37601	5.00	4.87	
67 Dibromomethane	93	6.107	6.107	0.000	77	16516	5.00	4.63	
66 1,4-Dioxane	88	6.119	6.119	0.000	20	5373	100.0	84.8	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	81	31252	5.00	4.57	
69 2-Chloroethyl vinyl ether	63	6.545	6.546	-0.001	76	24248	5.00	4.77	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	79	43533	5.00	4.49	
73 4-Methyl-2-pentanone (MIBK	43	6.832	6.826	0.006	97	195072	25.0	23.4	
74 Toluene	92	6.978	6.984	-0.006	88	85564	5.00	5.18	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	86	39151	5.00	4.62	
75 Ethyl methacrylate	69	7.306	7.306	0.000	86	29477	5.00	4.29	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	22003	5.00	4.82	
81 Tetrachloroethene	166	7.526	7.520	0.006	88	42427	5.00	5.34	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	88	48870	5.00	4.96	
80 2-Hexanone	43	7.666	7.666	0.000	98	130954	25.0	23.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	76	20280	5.00	4.09	
84 Ethylene Dibromide	107	7.940	7.934	0.006	80	27874	5.00	5.16	
87 Chlorobenzene	112	8.427	8.421	0.006	78	99142	5.00	5.15	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	33	28311	5.00	4.82	
88 Ethylbenzene	91	8.524	8.524	0.000	93	153796	5.00	5.14	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	64566	5.00	5.09	
91 o-Xylene	106	9.072	9.072	0.000	96	62822	5.00	5.08	
92 Styrene	104	9.096	9.096	0.000	93	96856	5.00	4.87	
95 Bromoform	173	9.334	9.328	0.006	60	9927	5.00	4.30	
94 Isopropylbenzene	105	9.455	9.455	0.000	95	155131	5.00	5.05	
101 Bromobenzene	156	9.790	9.796	-0.006	88	42421	5.00	4.89	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	77	32118	5.00	4.72	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	54	12295	5.00	5.13	
99 N-Propylbenzene	91	9.888	9.882	0.006	96	178027	5.00	5.09	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	30	13930	5.00	4.47	
103 2-Chlorotoluene	126	9.985	9.985	0.000	93	38434	5.00	5.01	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	93	133570	5.00	5.07	
105 4-Chlorotoluene	126	10.095	10.095	0.000	92	43185	5.00	5.20	
106 tert-Butylbenzene	134	10.381	10.381	0.000	85	32546	5.00	5.22	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	61	136768	5.00	5.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	82	170056	5.00	5.16	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	96	85971	5.00	5.15	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	93	155542	5.00	5.09	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	78	87474	5.00	5.17	
115 n-Butylbenzene	91	11.117	11.117	0.000	96	125016	5.00	5.09	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	87	82796	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	18	4350	5.00	4.24	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	89	60608	5.00	5.10	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	78	26152	5.00	4.95	
121 Naphthalene	128	12.773	12.773	0.000	93	131067	5.00	4.74	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	93	55819	5.00	4.99	
S 125 1,2-Dichloroethene, Total	1				0			10.1	
S 126 1,3-Dichloropropene, Total	1				0			9.12	
S 123 Total BTEX	1				0			25.8	
S 124 Xylenes, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

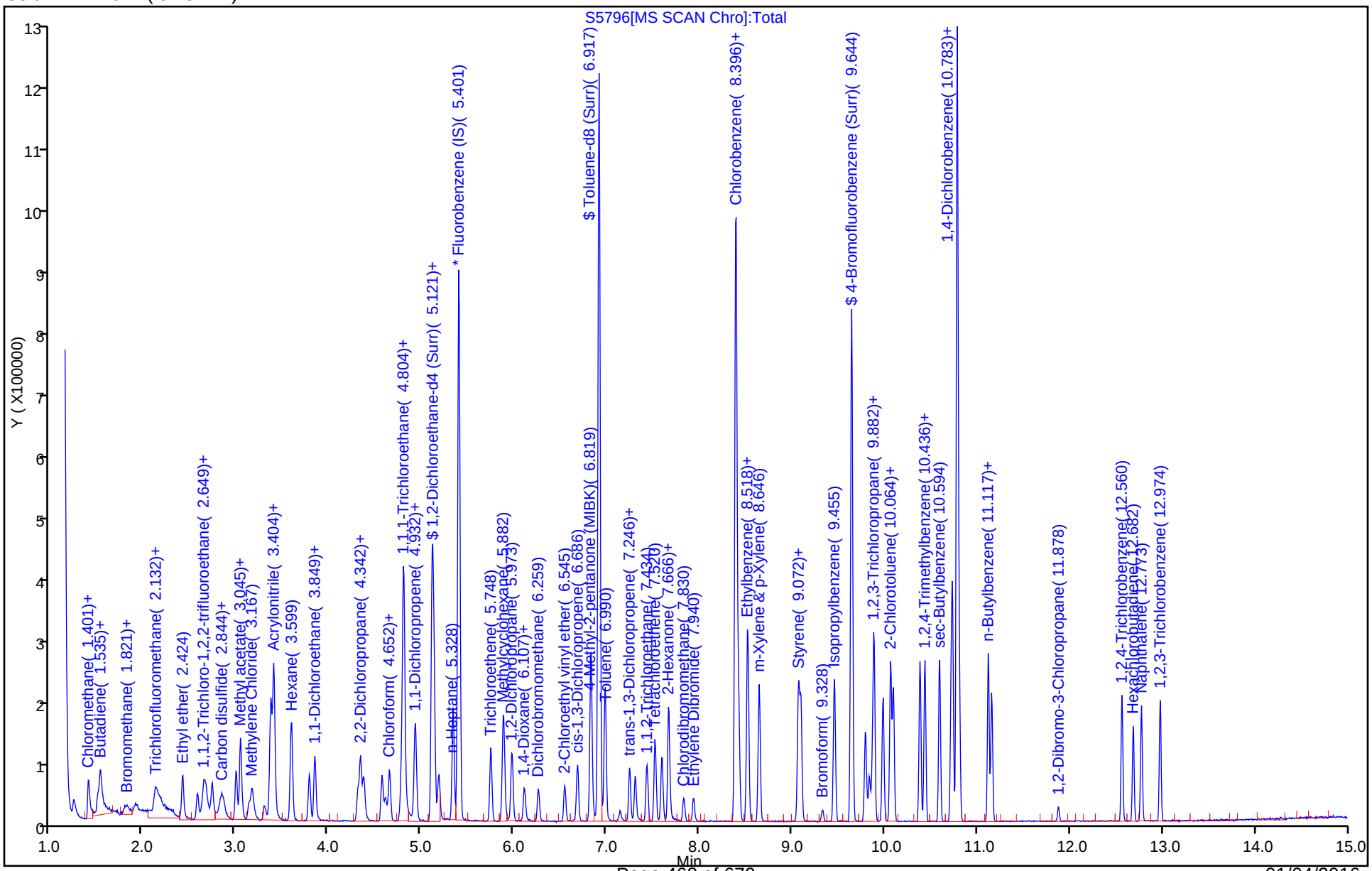
Report Date: 07-Dec-2015 22:59:03 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D

Injection Date:	07-Dec-2015 14:38:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

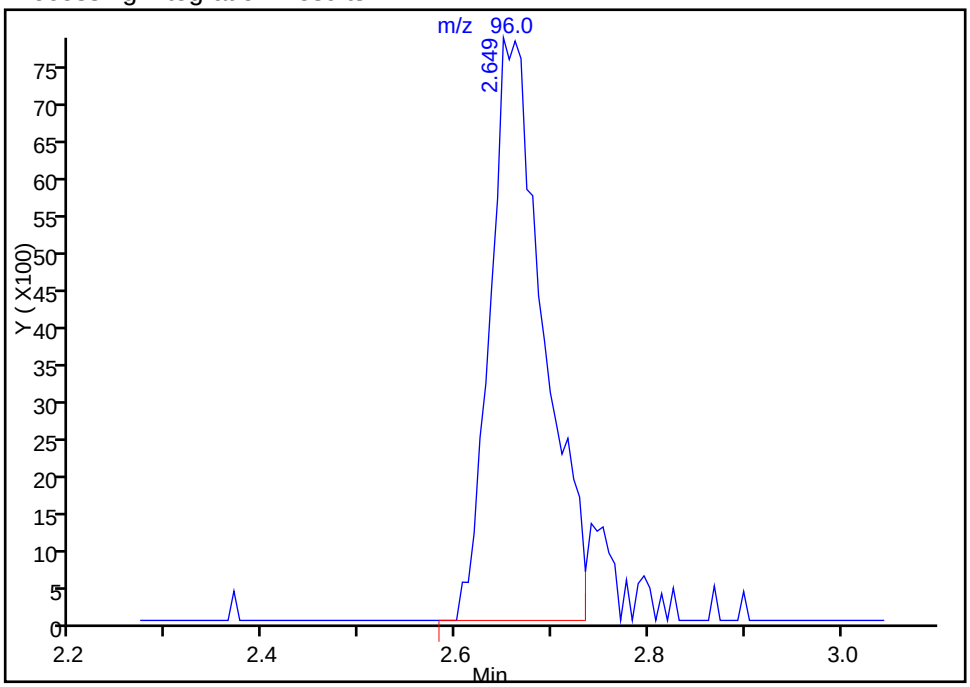
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

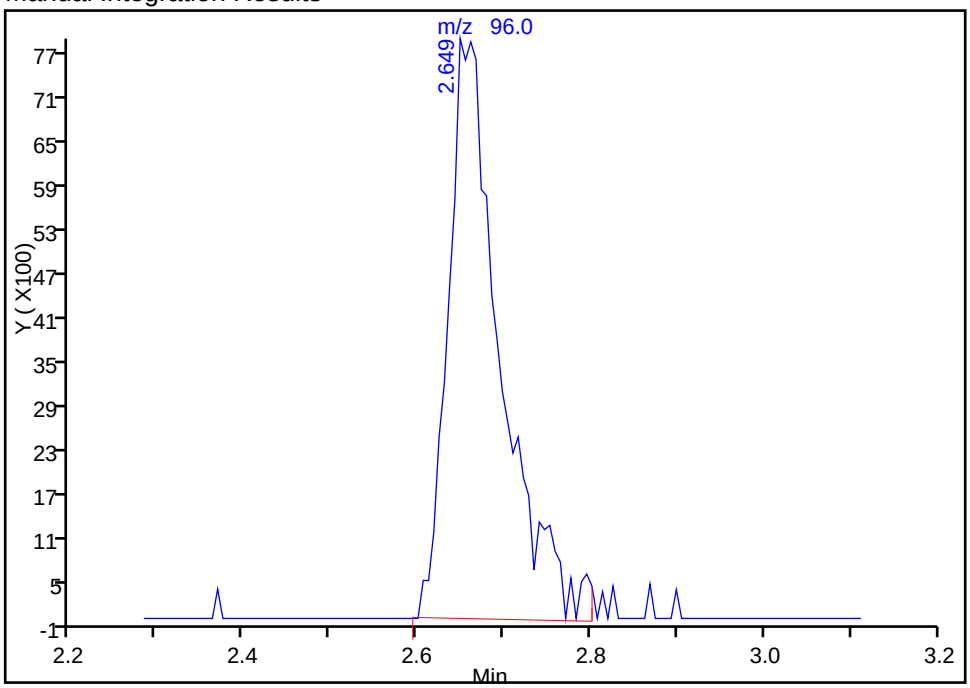
Processing Integration Results

RT: 2.65
Area: 30357
Amount: 4.954775
Amount Units: ug/L



Manual Integration Results

RT: 2.65
Area: 33254
Amount: 5.343396
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

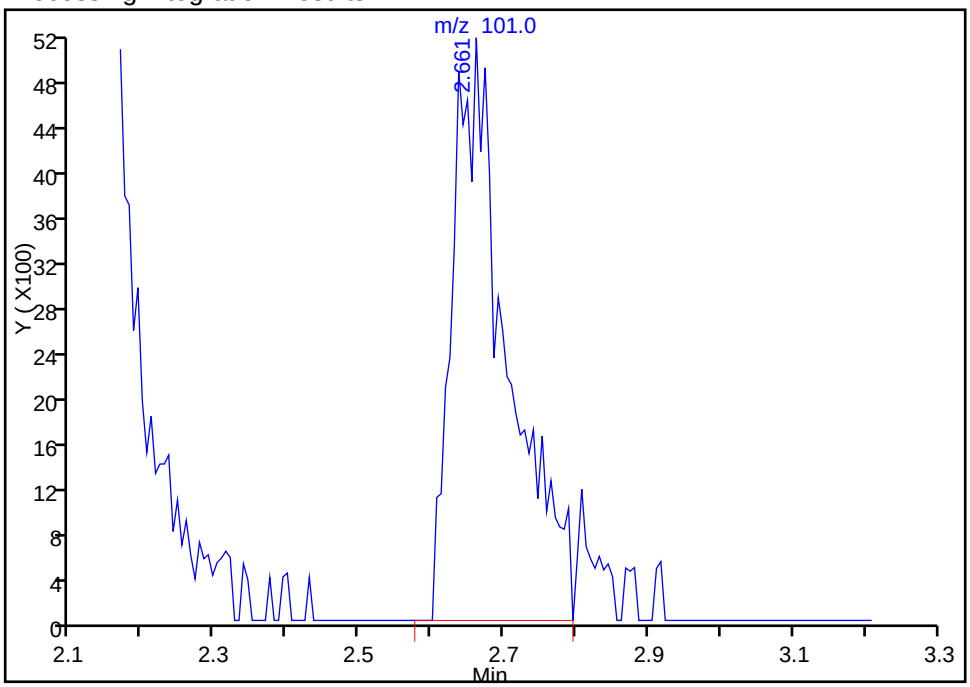
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

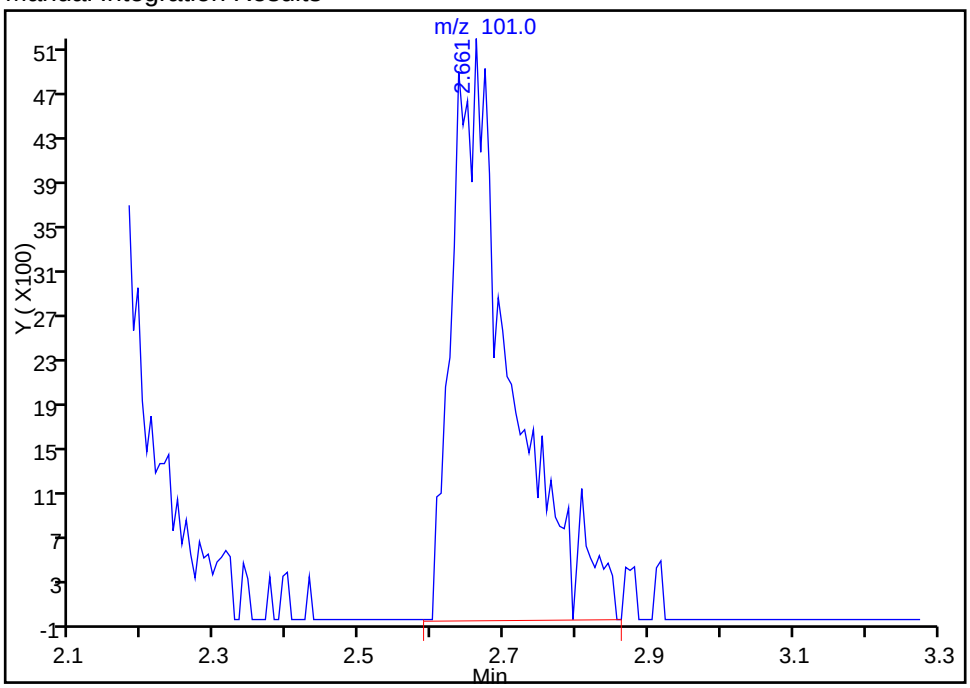
Processing Integration Results

RT: 2.66
Area: 27349
Amount: 5.035150
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 29420
Amount: 5.348460
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:41:58
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

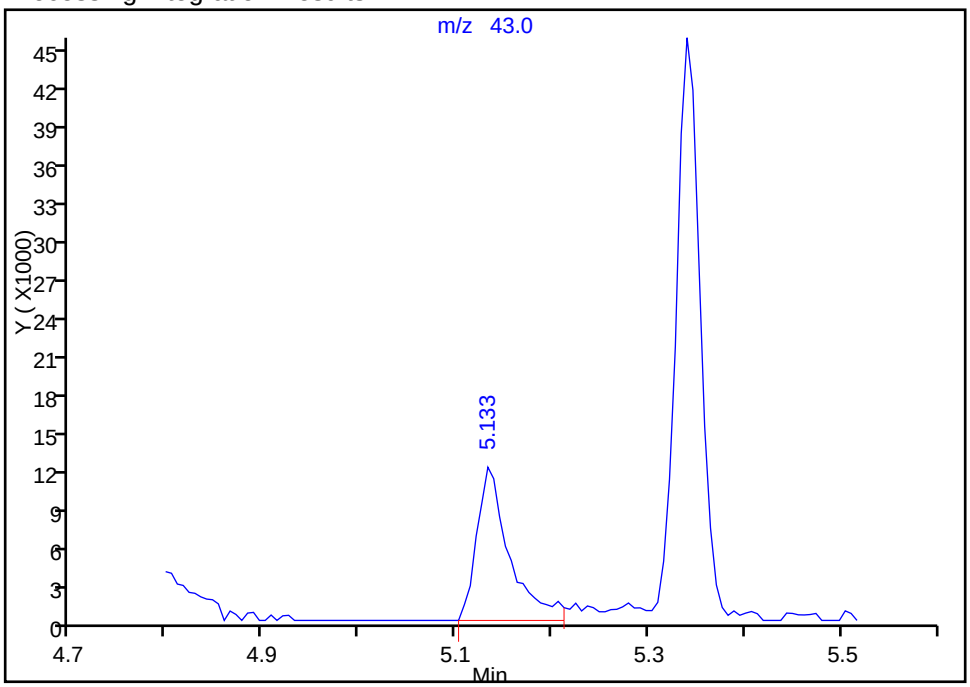
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5796.D
Injection Date: 07-Dec-2015 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

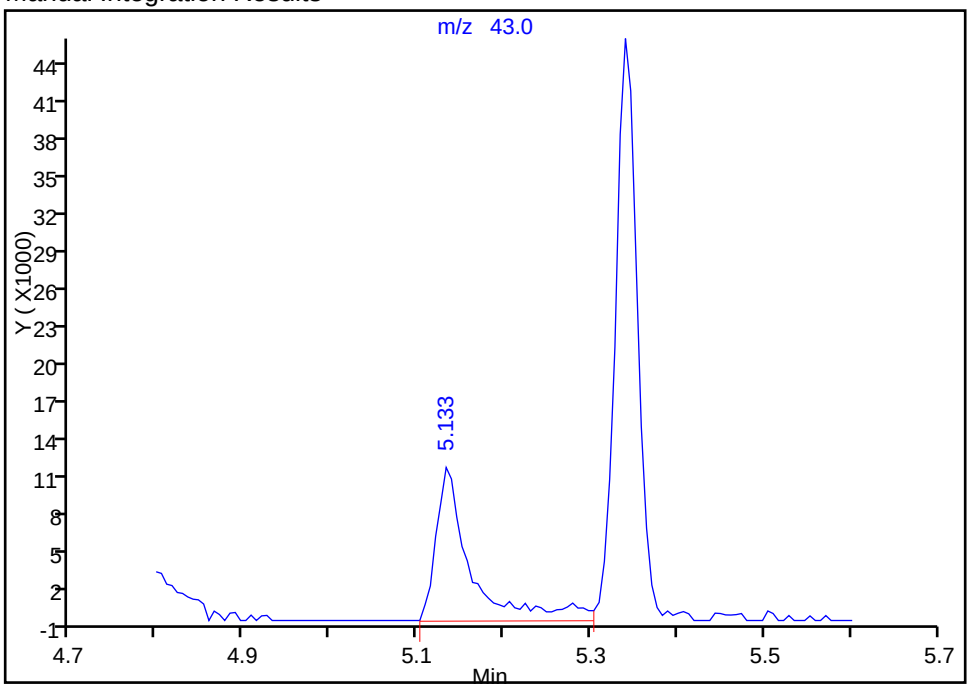
Processing Integration Results

RT: 5.13
Area: 28388
Amount: 86.726796
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 34019
Amount: 98.139275
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:38:06
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Dec-2015 15:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0049002-008
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:04 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:12:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	140928	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	311880	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	89	325116	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.804	0.000	80	173046	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118182	27.2	27.0	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	743834	27.2	27.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	89	235976	27.2	26.8	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	81	69208	10.0	9.55	
12 Chloromethane	50	1.401	1.401	0.000	89	133830	10.0	9.61	
13 Vinyl chloride	62	1.505	1.505	0.000	77	69560	10.0	9.29	
151 Butadiene	54	1.529	1.529	0.000	87	81136	10.0	8.96	
14 Bromomethane	94	1.797	1.797	0.000	65	22185	10.0	9.69	
15 Chloroethane	64	1.919	1.919	0.000	76	29425	10.0	9.15	
16 Dichlorofluoromethane	67	2.126	2.126	0.000	77	80991	10.0	10.1	
17 Trichlorofluoromethane	101	2.138	2.138	0.000	46	61742	10.0	9.18	
18 Ethyl ether	59	2.418	2.418	0.000	90	82317	10.0	10.1	
20 Acrolein	56	2.582	2.582	0.000	95	75488	50.0	48.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	25	55139	10.0	9.84	
22 1,1-Dichloroethene	96	2.655	2.655	0.000	76	61561	10.0	9.71	
23 Acetone	43	2.741	2.741	0.000	97	127327	50.0	48.5	
25 Iodomethane	142	2.820	2.820	0.000	95	66852	10.0	9.41	
26 Carbon disulfide	76	2.850	2.850	0.000	98	172823	10.0	9.49	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	82	129876	10.0	9.90	
27 Methyl acetate	43	3.045	3.045	0.000	97	346679	50.0	51.3	
30 Methylene Chloride	84	3.173	3.173	0.000	90	70360	10.0	10.4	
31 2-Methyl-2-propanol	59	3.307	3.307	0.000	92	62657	100.0	89.6	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	91	184602	10.0	10.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	63618	10.0	9.72	
33 Acrylonitrile	53	3.404	3.404	0.000	98	371449	100.0	102.3	
35 Hexane	57	3.593	3.593	0.000	94	137879	10.0	9.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	83	140899	10.0	9.90	
37 Vinyl acetate	43	3.849	3.849	0.000	97	330701	20.0	18.7	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	78	50817	10.0	10.0	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	72491	10.0	10.1	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	205030	50.0	49.3	
48 Chlorobromomethane	128	4.573	4.573	0.000	85	36683	10.0	9.88	
49 Tetrahydrofuran	42	4.610	4.610	0.000	91	60220	20.0	19.2	
50 Chloroform	83	4.658	4.658	0.000	82	109266	10.0	9.99	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	84	76296	10.0	9.71	
52 Cyclohexane	56	4.804	4.804	0.000	65	157217	10.0	9.29	
55 Carbon tetrachloride	117	4.926	4.926	0.000	71	67472	10.0	9.27	
54 1,1-Dichloropropene	75	4.932	4.932	0.000	83	87248	10.0	9.80	
53 Isobutyl alcohol	43	5.133	5.133	0.000	47	76362	250.0	216.3	M
57 Benzene	78	5.133	5.133	0.000	93	256205	10.0	10.1	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	115208	10.0	10.0	
59 n-Heptane	43	5.340	5.340	0.000	96	140157	10.0	9.16	
62 Trichloroethene	95	5.748	5.748	0.000	84	64031	10.0	9.58	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	103629	10.0	9.14	
65 1,2-Dichloropropane	63	5.973	5.973	0.000	87	78204	10.0	9.94	
67 Dibromomethane	93	6.107	6.107	0.000	85	38116	10.0	10.5	
66 1,4-Dioxane	88	6.125	6.125	0.000	59	12325	200.0	189.7	
68 Dichlorobromomethane	83	6.266	6.266	0.000	86	65702	10.0	9.43	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	86	50460	10.0	9.74	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	74	95452	10.0	9.68	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	426755	50.0	49.9	
74 Toluene	92	6.984	6.984	0.000	93	168561	10.0	9.97	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	83208	10.0	9.59	
75 Ethyl methacrylate	69	7.307	7.307	0.000	88	68795	10.0	9.78	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	46850	10.0	10.0	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	79418	10.0	9.74	
82 1,3-Dichloropropane	76	7.599	7.599	0.000	94	103400	10.0	10.2	
80 2-Hexanone	43	7.666	7.666	0.000	98	288951	50.0	49.8	
83 Chlorodibromomethane	129	7.830	7.830	0.000	77	47612	10.0	9.37	
84 Ethylene Dibromide	107	7.934	7.934	0.000	87	58018	10.0	10.5	
87 Chlorobenzene	112	8.421	8.421	0.000	89	201464	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	39	60788	10.0	10.1	
88 Ethylbenzene	91	8.524	8.524	0.000	98	311438	10.0	10.2	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	127235	10.0	9.79	
91 o-Xylene	106	9.066	9.066	0.000	96	127291	10.0	10.0	
92 Styrene	104	9.096	9.096	0.000	97	208180	10.0	10.2	
95 Bromoform	173	9.328	9.328	0.000	87	21712	10.0	9.18	
94 Isopropylbenzene	105	9.456	9.456	0.000	96	308097	10.0	9.86	
101 Bromobenzene	156	9.790	9.790	0.000	88	88443	10.0	10.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	79	68357	10.0	9.88	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	54	24112	10.0	9.90	
99 N-Propylbenzene	91	9.888	9.888	0.000	96	354350	10.0	9.97	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	30	30971	10.0	9.77	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	78736	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	266907	10.0	9.96	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	84531	10.0	10.0	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	66641	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	62	275797	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	93	324824	10.0	9.69	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	97	173838	10.0	10.2	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	311653	10.0	10.0	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	172541	10.0	10.0	
115 n-Butylbenzene	91	11.118	11.118	0.000	96	244588	10.0	9.81	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	92	170294	10.0	10.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.879	0.000	49	9406	10.0	9.03	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	93	120022	10.0	9.93	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	87	49873	10.0	9.29	
121 Naphthalene	128	12.773	12.773	0.000	96	274641	10.0	9.77	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	92	115758	10.0	10.2	
S 125 1,2-Dichloroethene, Total	1				0			19.8	
S 126 1,3-Dichloropropene, Total	1				0			19.3	
S 123 Total BTEX	1				0			50.1	
S 124 Xylenes, Total	1				0			19.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	5.00	Units: uL	
GAS CORP mix_00125	Amount Added:	5.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

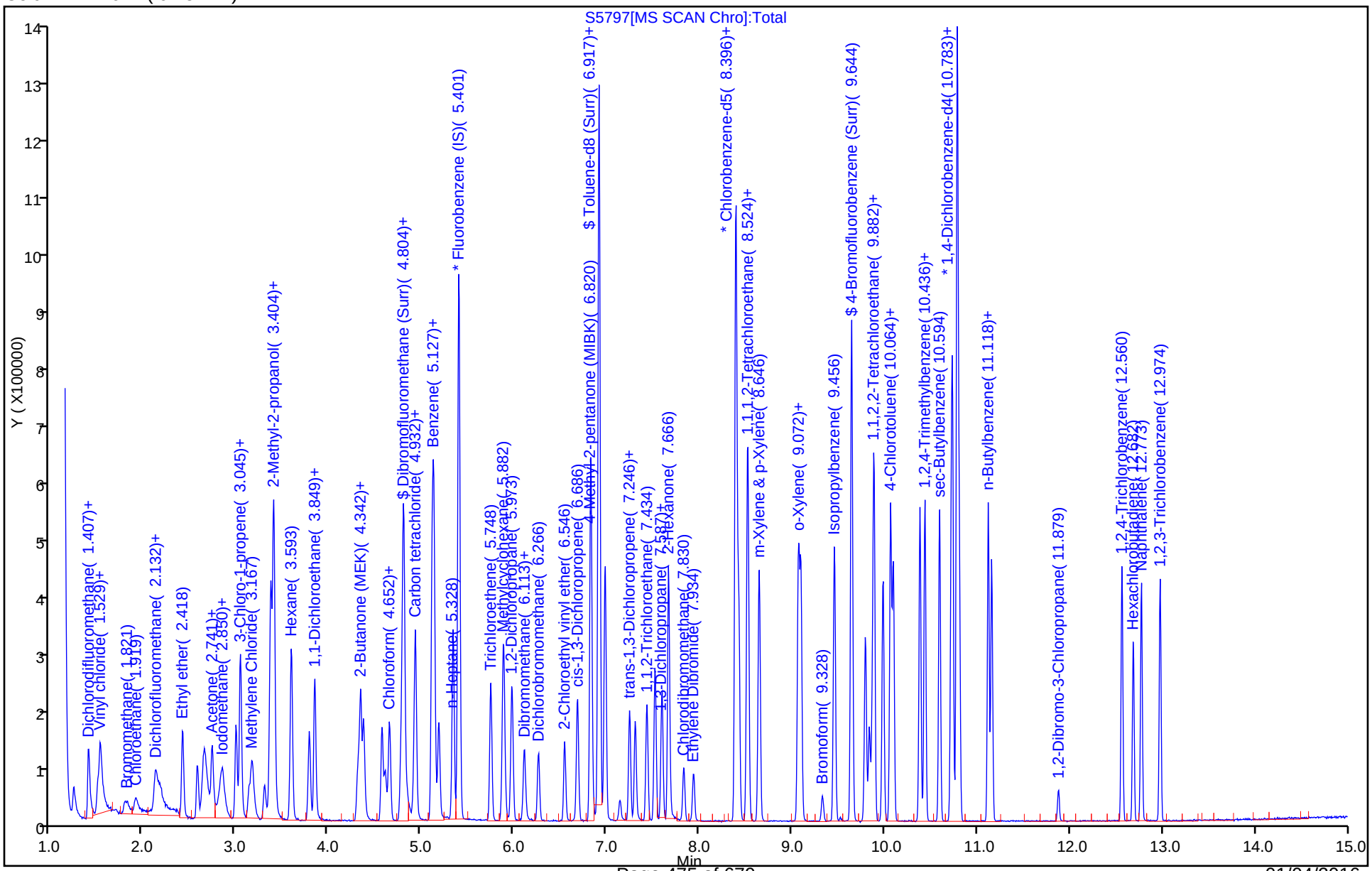
Report Date: 07-Dec-2015 22:59:05 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D

Injection Date:	07-Dec-2015 15:01:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

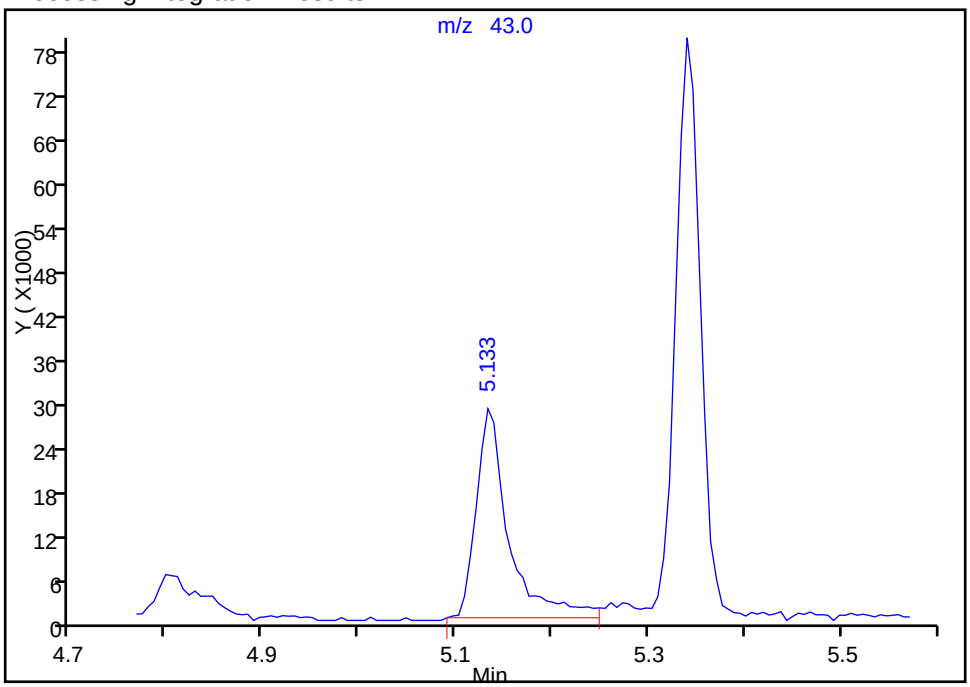
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5797.D
Injection Date: 07-Dec-2015 15:01:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

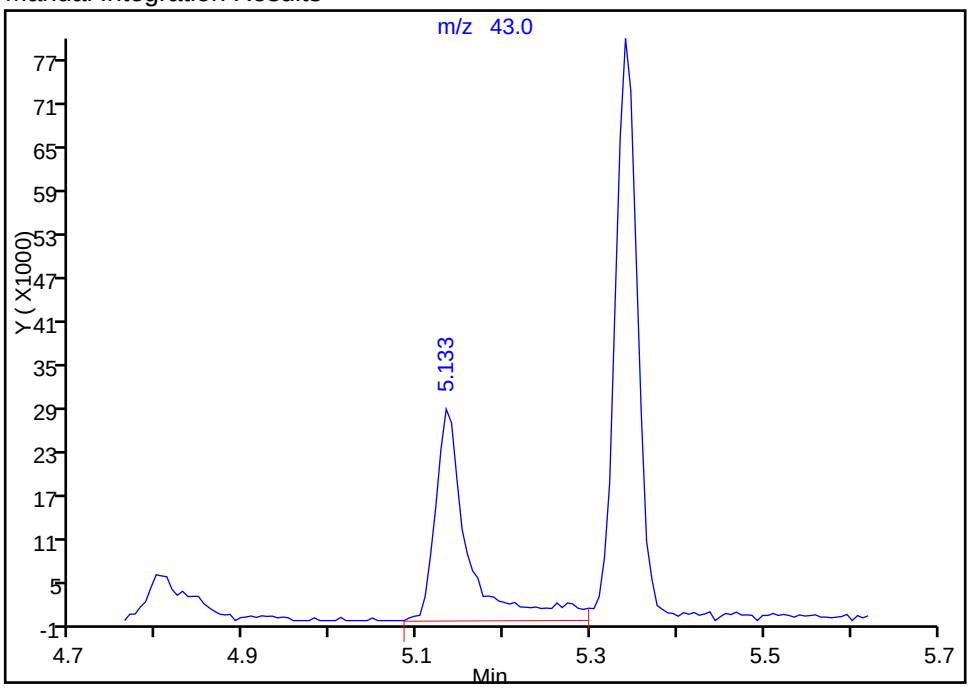
Processing Integration Results

RT: 5.13
Area: 66739
Amount: 195.7226
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 76362
Amount: 216.3168
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:42:58
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Lims ID: ICIS 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Dec-2015 15:24:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0049002-009
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:06 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 17:17:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	97	141293	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	315294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	72	325064	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.810	4.810	0.000	71	174615	27.2	27.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118593	27.2	27.1	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	761118	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	240952	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	87	167752	25.0	23.1	
12 Chloromethane	50	1.407	1.407	0.000	89	333053	25.0	23.9	
13 Vinyl chloride	62	1.505	1.505	0.000	81	179662	25.0	23.9	
151 Butadiene	54	1.535	1.535	0.000	88	202402	25.0	22.3	
14 Bromomethane	94	1.797	1.797	0.000	86	54107	25.0	23.6	
15 Chloroethane	64	1.919	1.919	0.000	88	71541	25.0	22.6	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	79	202648	25.0	25.3	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	58	165837	25.0	24.6	
18 Ethyl ether	59	2.424	2.424	0.000	97	202216	25.0	24.8	
20 Acrolein	56	2.582	2.582	0.000	96	195663	125.0	124.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	40	129487	25.0	23.1	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	79	152549	25.0	24.0	
23 Acetone	43	2.741	2.741	0.000	100	325776	125.0	123.9	
25 Iodomethane	142	2.820	2.820	0.000	97	169677	25.0	23.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	442319	25.0	24.2	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	84	320400	25.0	24.4	
27 Methyl acetate	43	3.045	3.045	0.000	97	874197	125.0	128.9	
30 Methylene Chloride	84	3.179	3.179	0.000	88	163870	25.0	25.0	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	96	176036	250.0	251.2	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	93	455171	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	162176	25.0	24.7	
33 Acrylonitrile	53	3.404	3.404	0.000	98	937951	250.0	257.8	
35 Hexane	57	3.599	3.599	0.000	94	339893	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	349138	25.0	24.5	
37 Vinyl acetate	43	3.849	3.849	0.000	97	906140	50.0	51.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	127274	25.0	25.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	176801	25.0	24.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	521469	125.0	125.1	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	94337	25.0	25.3	
49 Tetrahydrofuran	42	4.603	4.603	0.000	92	151679	50.0	48.3	
50 Chloroform	83	4.652	4.652	0.000	83	273346	25.0	24.9	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	188231	25.0	23.9	
52 Cyclohexane	56	4.804	4.804	0.000	91	386557	25.0	22.8	
55 Carbon tetrachloride	117	4.926	4.926	0.000	73	173413	25.0	23.8	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	88	216695	25.0	24.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	53	220608	625.0	623.3	M
57 Benzene	78	5.133	5.133	0.000	94	634777	25.0	25.0	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	71	279571	25.0	24.3	
59 n-Heptane	43	5.340	5.340	0.000	96	354291	25.0	23.1	
62 Trichloroethene	95	5.748	5.748	0.000	89	164967	25.0	24.6	
64 Methylcyclohexane	83	5.882	5.882	0.000	96	262907	25.0	23.1	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	194453	25.0	24.6	
67 Dibromomethane	93	6.107	6.107	0.000	88	91319	25.0	25.1	
66 1,4-Dioxane	88	6.119	6.119	0.000	46	33462	500.0	509.5	M
68 Dichlorobromomethane	83	6.265	6.265	0.000	90	173441	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	91	131120	25.0	25.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	83	253766	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	1103729	125.0	127.5	
74 Toluene	92	6.984	6.984	0.000	95	416198	25.0	24.3	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	221802	25.0	25.3	
75 Ethyl methacrylate	69	7.306	7.306	0.000	92	183114	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	114567	25.0	24.2	
81 Tetrachloroethene	166	7.520	7.520	0.000	90	196259	25.0	23.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	251020	25.0	24.6	
80 2-Hexanone	43	7.666	7.666	0.000	98	769332	125.0	131.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	85	129665	25.0	25.2	
84 Ethylene Dibromide	107	7.934	7.934	0.000	96	147160	25.0	26.3	
87 Chlorobenzene	112	8.421	8.421	0.000	93	489503	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	40	156892	25.0	25.8	
88 Ethylbenzene	91	8.524	8.524	0.000	98	768201	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	319588	25.0	24.3	
91 o-Xylene	106	9.072	9.072	0.000	97	315108	25.0	24.6	
92 Styrene	104	9.096	9.096	0.000	95	520475	25.0	25.2	
95 Bromoform	173	9.328	9.328	0.000	91	62613	25.0	26.2	
94 Isopropylbenzene	105	9.455	9.455	0.000	96	769696	25.0	24.6	
101 Bromobenzene	156	9.796	9.796	0.000	89	218378	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	82	170247	25.0	24.6	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	60	62652	25.0	25.7	
99 N-Propylbenzene	91	9.882	9.882	0.000	97	883134	25.0	24.8	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	33	82663	25.0	26.1	
103 2-Chlorotoluene	126	9.985	9.985	0.000	96	195715	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	663249	25.0	24.8	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	206417	25.0	24.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	162497	25.0	25.6	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	682796	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	823426	25.0	24.6	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	424764	25.0	25.0	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	772647	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	93	420148	25.0	24.4	
115 n-Butylbenzene	91	11.117	11.117	0.000	97	626745	25.0	25.1	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	93	405634	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	48	25618	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	293300	25.0	24.3	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	124789	25.0	23.2	
121 Naphthalene	128	12.773	12.773	0.000	96	708276	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	273684	25.0	24.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	12.50	Units: uL	
GAS CORP mix_00125	Amount Added:	12.50	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

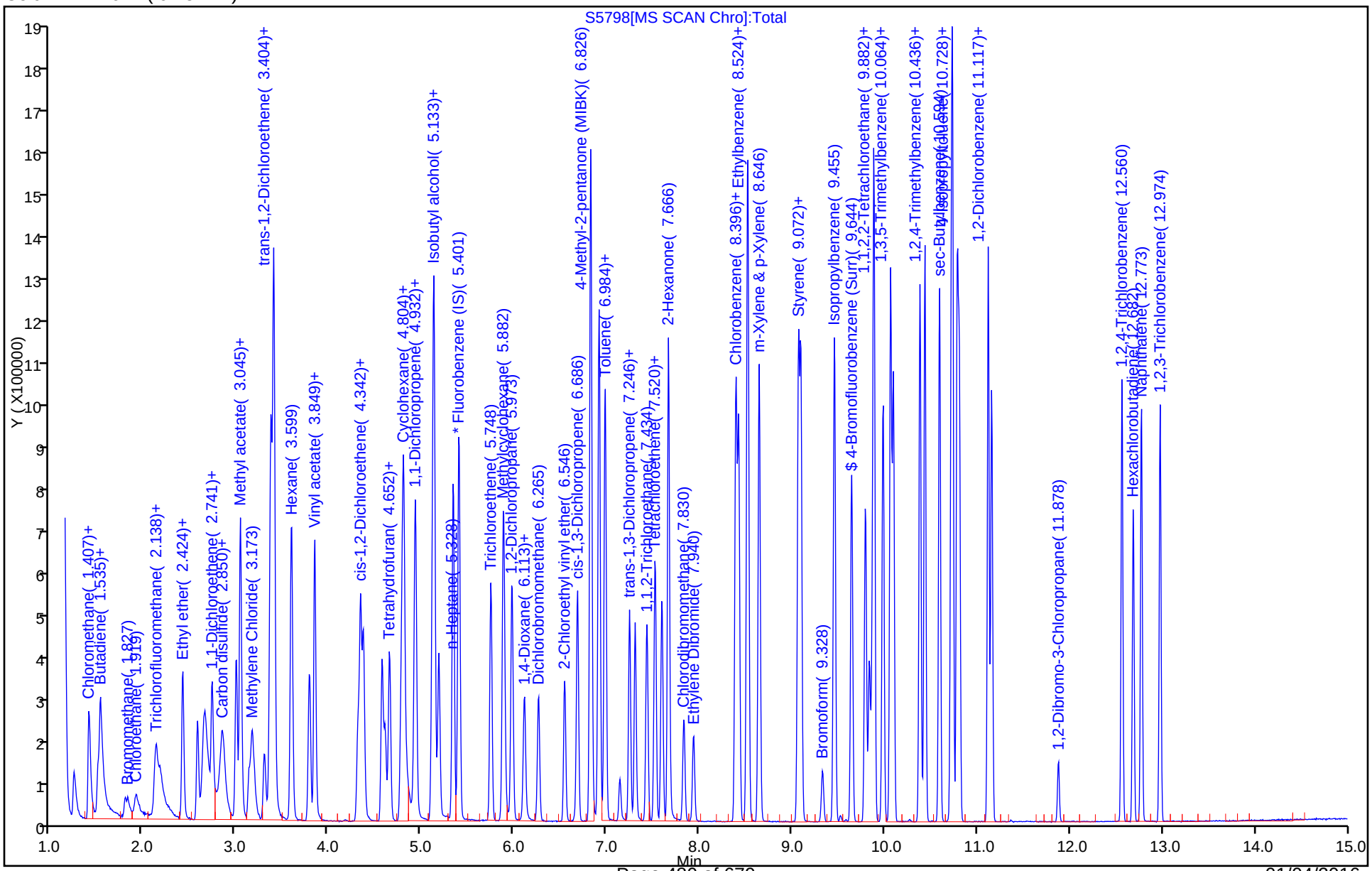
Report Date: 07-Dec-2015 22:59:07 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D

Injection Date:	07-Dec-2015 15:24:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	ICIS 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

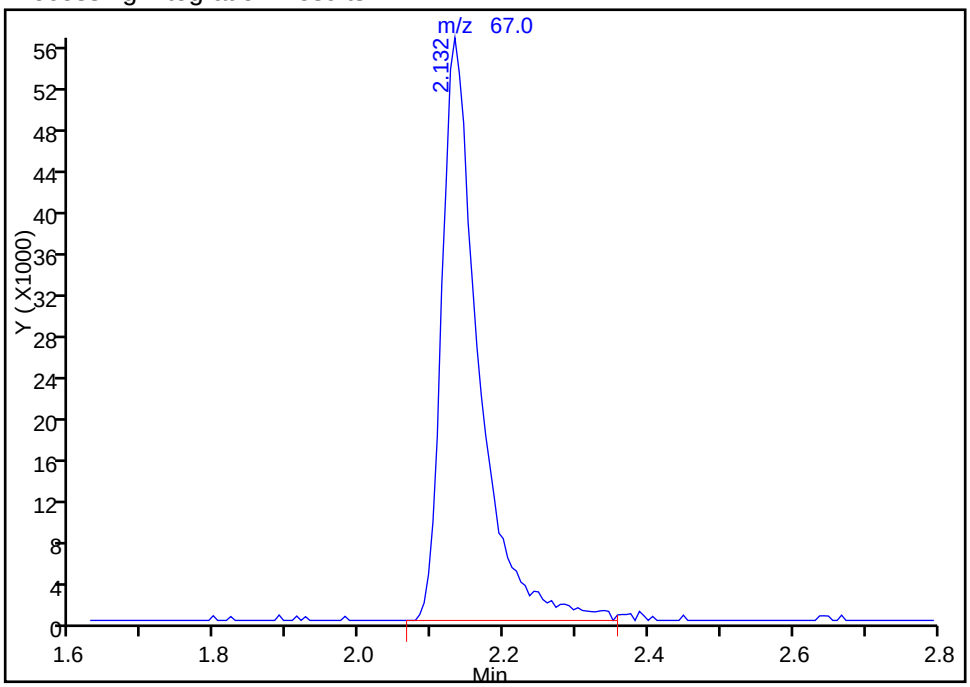
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

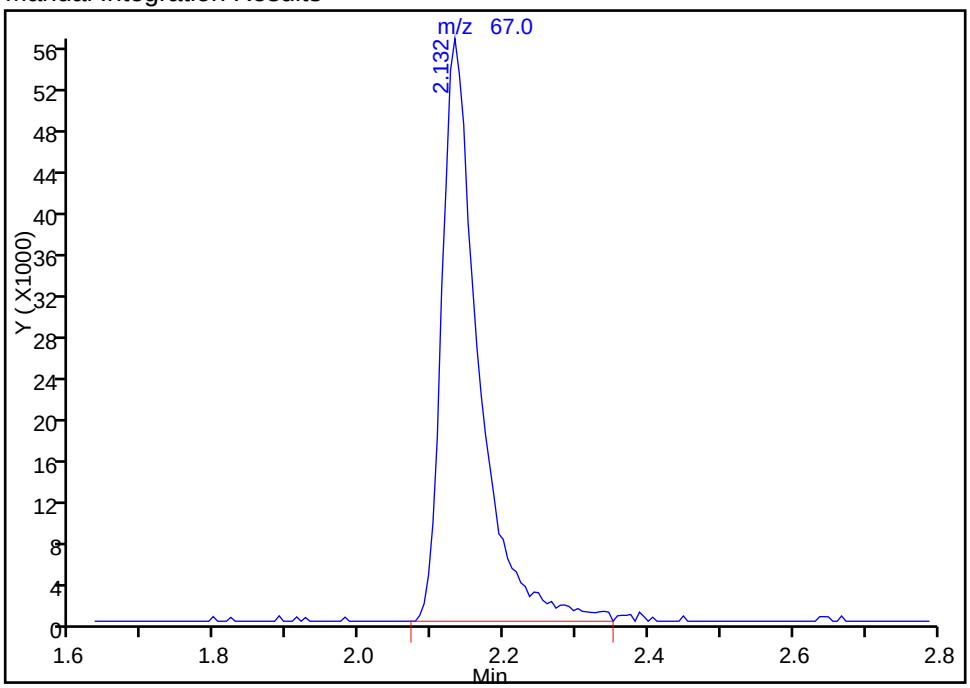
Processing Integration Results

RT: 2.13
Area: 202847
Amount: 24.281576
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 202648
Amount: 25.300133
Amount Units: ug/L



Reviewer: o'briens, 07-Dec-2015 18:22:37
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

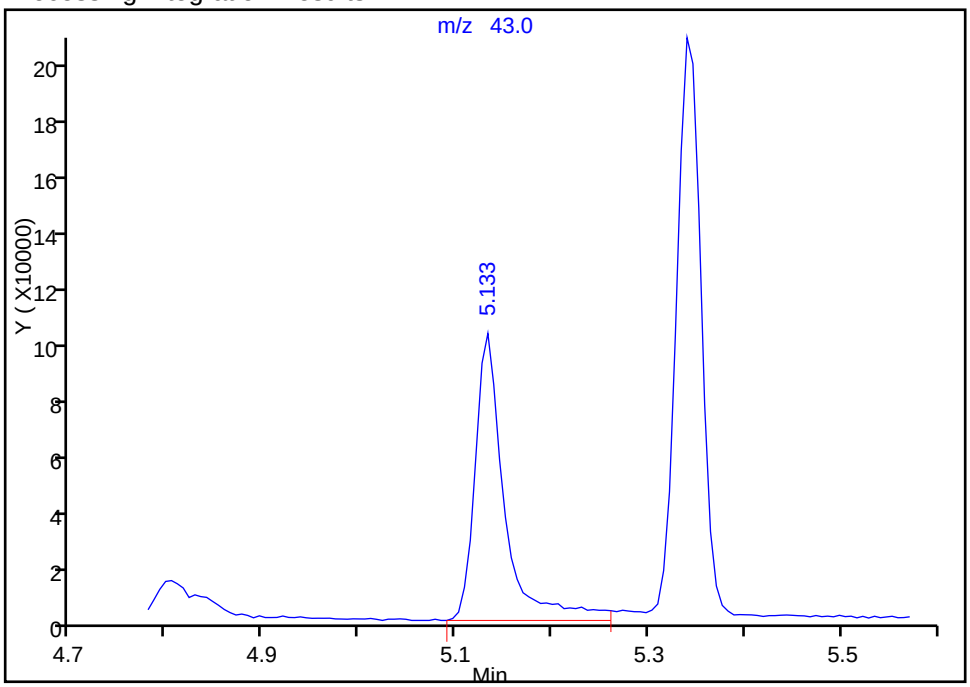
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

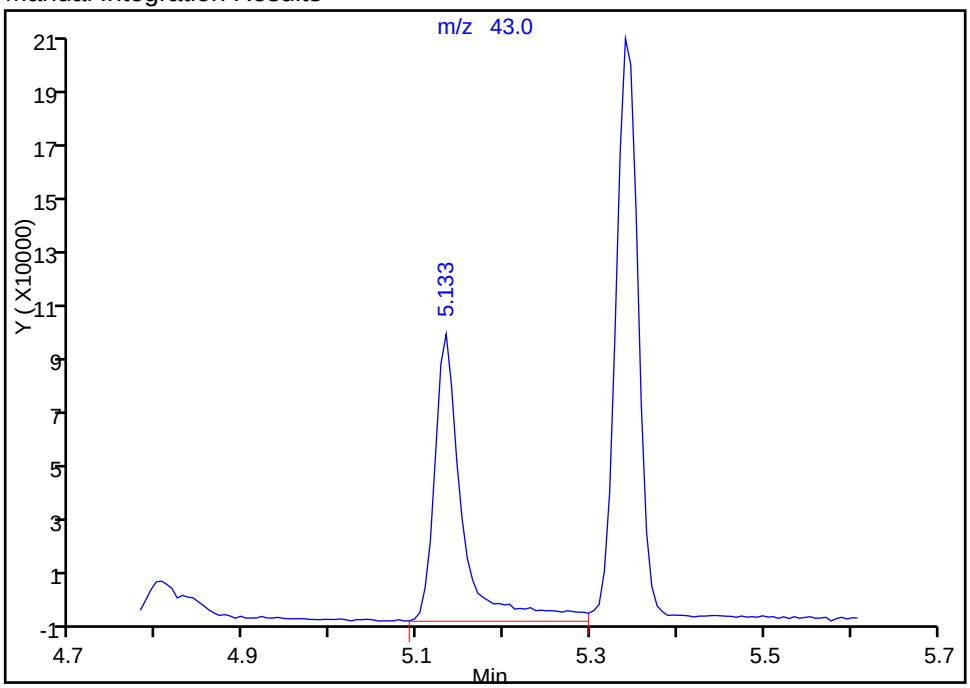
Processing Integration Results

RT: 5.13
Area: 212299
Amount: 609.5241
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 220608
Amount: 623.3198
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

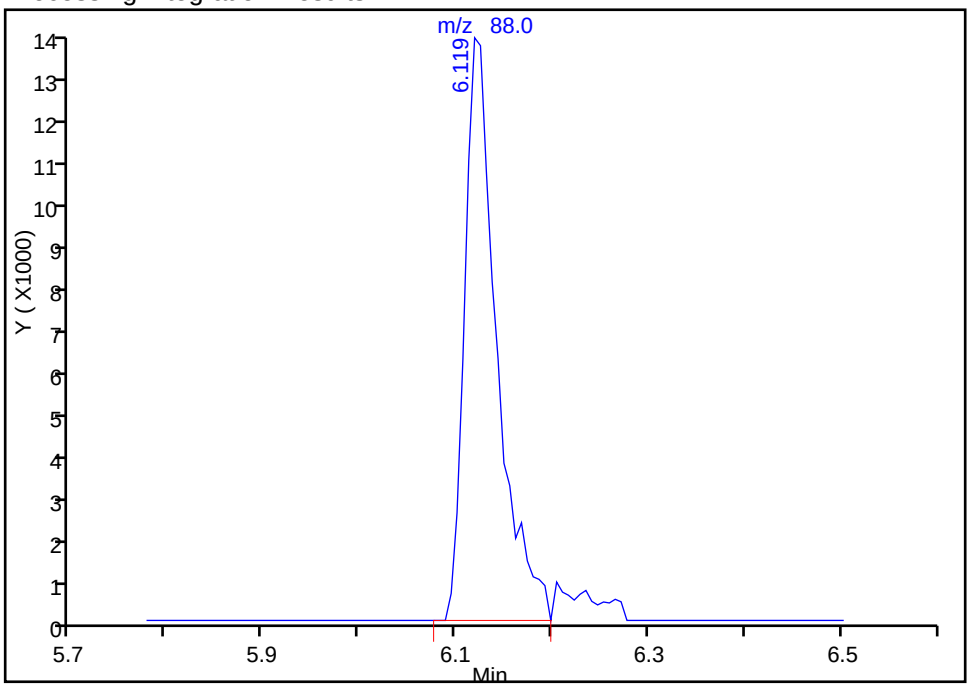
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5798.D
Injection Date: 07-Dec-2015 15:24:30 Instrument ID: HP5973S
Lims ID: ICIS 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

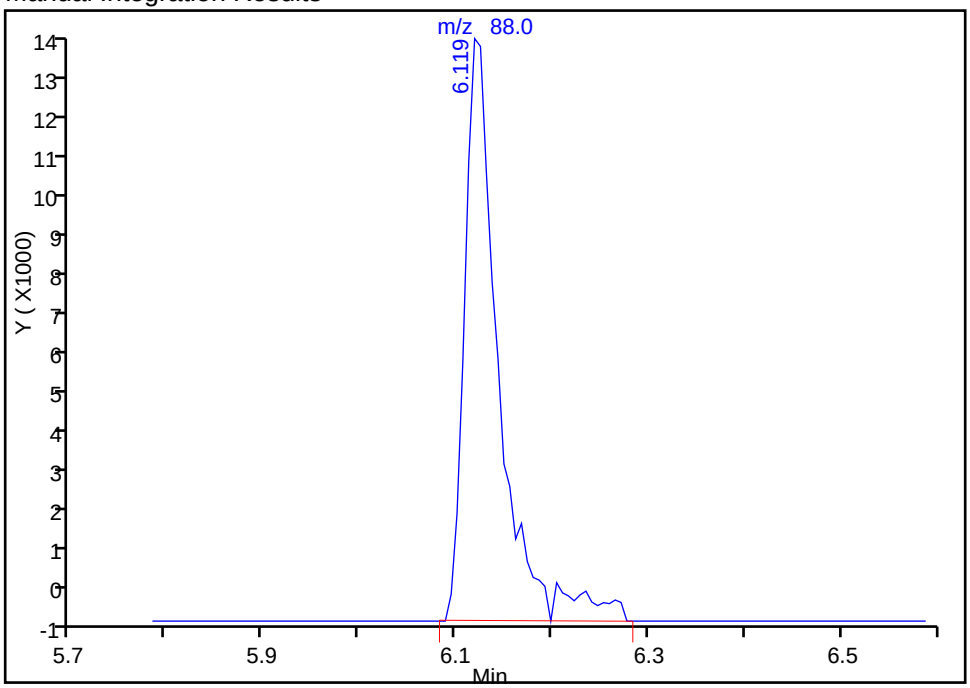
Processing Integration Results

RT: 6.12
Area: 31223
Amount: 480.8678
Amount Units: ug/L



Manual Integration Results

RT: 6.12
Area: 33462
Amount: 509.4945
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:44:14
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Dec-2015 15:47:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0049002-010
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:09 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: o'briens Date: 07-Dec-2015 18:19:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	144601	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	88	319968	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	66	330941	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.000	45	177854	27.2	27.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	119444	27.2	26.6	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	92	758326	27.2	26.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	244603	27.2	27.1	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	86	384878	50.0	51.8	
12 Chloromethane	50	1.413	1.407	0.006	89	707401	50.0	49.5	
13 Vinyl chloride	62	1.511	1.505	0.006	81	389881	50.0	50.7	
151 Butadiene	54	1.535	1.535	0.000	86	444921	50.0	47.9	
14 Bromomethane	94	1.821	1.797	0.024	92	114735	50.0	48.8	
15 Chloroethane	64	1.919	1.919	0.000	92	155288	50.0	48.3	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	80	428557	50.0	52.3	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	62	364067	50.0	52.7	
18 Ethyl ether	59	2.424	2.424	0.000	98	410204	50.0	49.1	
20 Acrolein	56	2.582	2.582	0.000	95	412341	250.0	255.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.649	2.649	0.000	47	294194	50.0	51.2	
22 1,1-Dichloroethene	96	2.661	2.661	0.000	78	326433	50.0	50.2	
23 Acetone	43	2.741	2.741	0.000	99	666854	250.0	247.8	
25 Iodomethane	142	2.826	2.820	0.006	97	355845	50.0	48.8	
26 Carbon disulfide	76	2.850	2.850	0.000	99	919270	50.0	49.2	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	84	654665	50.0	48.6	
27 Methyl acetate	43	3.045	3.045	0.000	97	1788408	250.0	257.7	
30 Methylene Chloride	84	3.173	3.179	-0.006	89	320479	50.0	48.3	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	97	396153	500.0	552.4	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	927310	50.0	49.1	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	82	326177	50.0	48.6	
33 Acrylonitrile	53	3.404	3.404	0.000	98	1904536	500.0	511.4	
35 Hexane	57	3.593	3.599	-0.006	94	774063	50.0	51.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	711976	50.0	48.8	
37 Vinyl acetate	43	3.849	3.849	0.000	97	1999132	100.0	110.1	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	85	260020	50.0	50.1	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	356979	50.0	48.6	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	1089965	250.0	255.5	
48 Chlorobromomethane	128	4.573	4.573	0.000	86	188339	50.0	49.5	
49 Tetrahydrofuran	42	4.604	4.603	0.001	93	313782	100.0	97.7	
50 Chloroform	83	4.652	4.652	0.000	83	545719	50.0	48.6	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	90	405331	50.0	50.3	
52 Cyclohexane	56	4.804	4.804	0.000	92	849146	50.0	48.9	
55 Carbon tetrachloride	117	4.926	4.926	0.000	76	388432	50.0	52.0	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	87	448860	50.0	49.1	
57 Benzene	78	5.133	5.133	0.000	94	1273280	50.0	49.0	
53 Isobutyl alcohol	43	5.133	5.133	0.000	58	515258	1250.0	1422.5	M
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	557623	50.0	47.3	
59 n-Heptane	43	5.340	5.340	0.000	97	795739	50.0	50.7	
62 Trichloroethene	95	5.748	5.748	0.000	90	336443	50.0	49.1	
64 Methylcyclohexane	83	5.888	5.882	0.006	96	594963	50.0	51.2	
65 1,2-Dichloropropane	63	5.979	5.979	0.000	90	399881	50.0	49.5	
67 Dibromomethane	93	6.107	6.107	0.000	88	181849	50.0	48.8	
66 1,4-Dioxane	88	6.125	6.119	0.006	67	69823	1000.0	1047.6	
68 Dichlorobromomethane	83	6.265	6.265	0.000	91	388124	50.0	54.3	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	89	272104	50.0	51.2	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	84	529705	50.0	52.3	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	98	2303686	250.0	262.3	
74 Toluene	92	6.984	6.984	0.000	96	846474	50.0	48.8	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	92	479849	50.0	53.9	
75 Ethyl methacrylate	69	7.307	7.306	0.001	87	398620	50.0	55.2	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	90	231896	50.0	48.3	
81 Tetrachloroethene	166	7.520	7.520	0.000	91	412634	50.0	49.4	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	504839	50.0	48.7	
80 2-Hexanone	43	7.666	7.666	0.000	97	1620695	250.0	272.1	
83 Chlorodibromomethane	129	7.830	7.830	0.000	88	291798	50.0	56.0	
84 Ethylene Dibromide	107	7.934	7.934	0.000	97	297386	50.0	52.4	
87 Chlorobenzene	112	8.427	8.421	0.006	94	991172	50.0	48.9	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	330105	50.0	53.5	
88 Ethylbenzene	91	8.524	8.524	0.000	98	1559193	50.0	49.6	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	667091	50.0	50.0	
91 o-Xylene	106	9.072	9.072	0.000	96	650046	50.0	50.0	
92 Styrene	104	9.096	9.096	0.000	95	1059058	50.0	50.6	
95 Bromoform	173	9.328	9.328	0.000	97	151093	50.0	62.3	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	1592966	50.0	50.1	
101 Bromobenzene	156	9.790	9.796	-0.006	90	441115	50.0	49.1	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	353013	50.0	50.1	
100 1,2,3-Trichloropropane	110	9.869	9.869	0.000	61	123972	50.0	50.0	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	1823439	50.0	50.4	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	170994	50.0	53.0	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	402879	50.0	50.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	96	1366200	50.0	50.1	
105 4-Chlorotoluene	126	10.095	10.095	0.000	94	416165	50.0	48.4	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	341425	50.0	52.9	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	69	1395377	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	1722835	50.0	50.5	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	851308	50.0	49.3	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	1600178	50.0	50.6	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	95	857547	50.0	49.0	
115 n-Butylbenzene	91	11.118	11.117	0.001	97	1306828	50.0	51.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	818524	50.0	48.8	
117 1,2-Dibromo-3-Chloropropan	75	11.872	11.872	0.000	75	59301	50.0	55.9	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	605408	50.0	49.2	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	94	257956	50.0	47.2	
121 Naphthalene	128	12.773	12.773	0.000	97	1470204	50.0	51.4	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	566866	50.0	49.0	
S 125 1,2-Dichloroethene, Total	1				0			97.1	
S 126 1,3-Dichloropropene, Total	1				0			106.2	
S 123 Total BTEX	1				0			247.4	
S 124 Xylenes, Total	1				0			100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL		
GAS CORP mix_00125	Amount Added: 25.00	Units: uL		
S_8260_IS_00130	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00113	Amount Added: 1.00	Units: uL	Run Reagent	

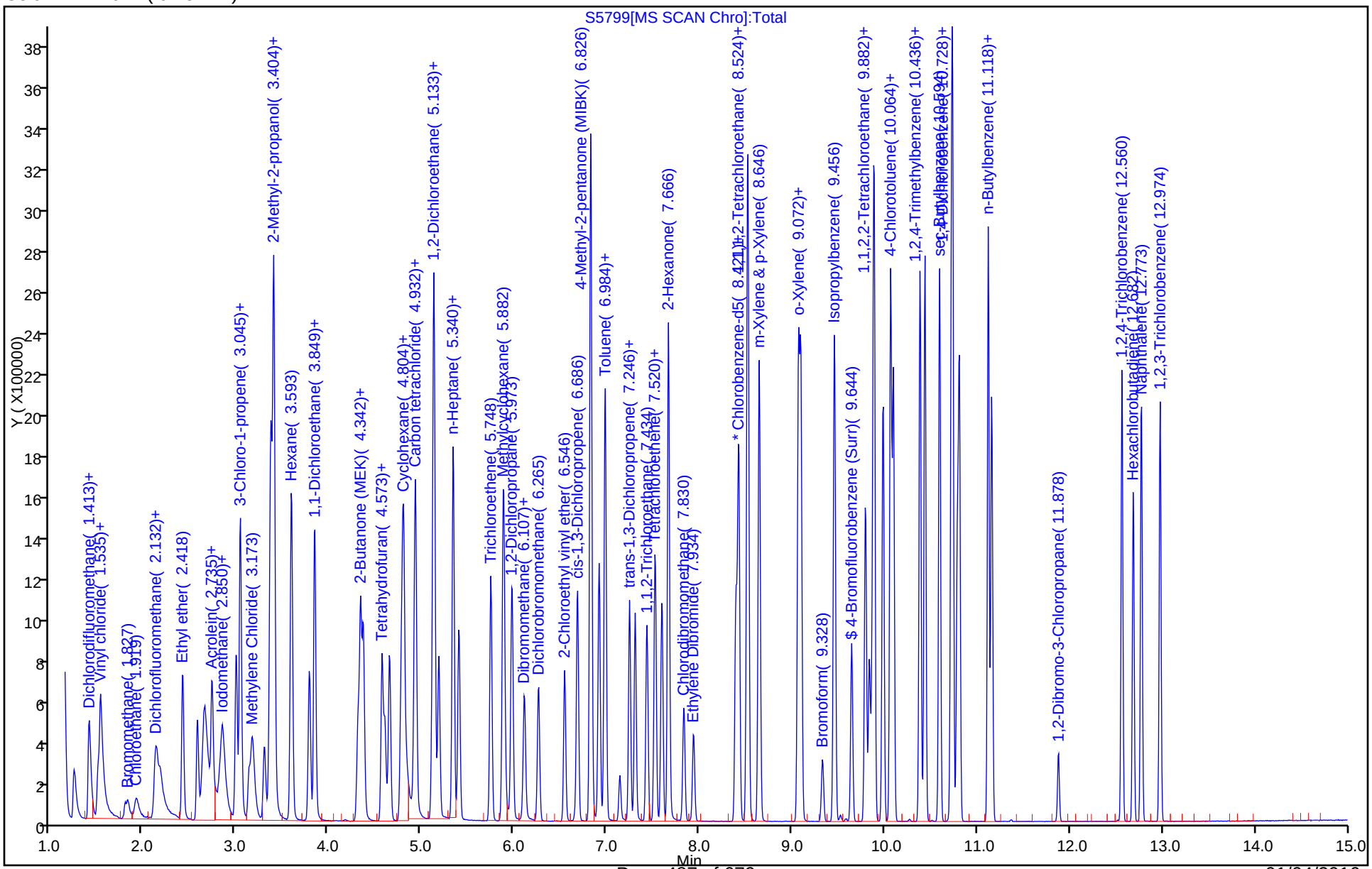
Report Date: 07-Dec-2015 22:59:10 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D

Injection Date:	07-Dec-2015 15:47:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

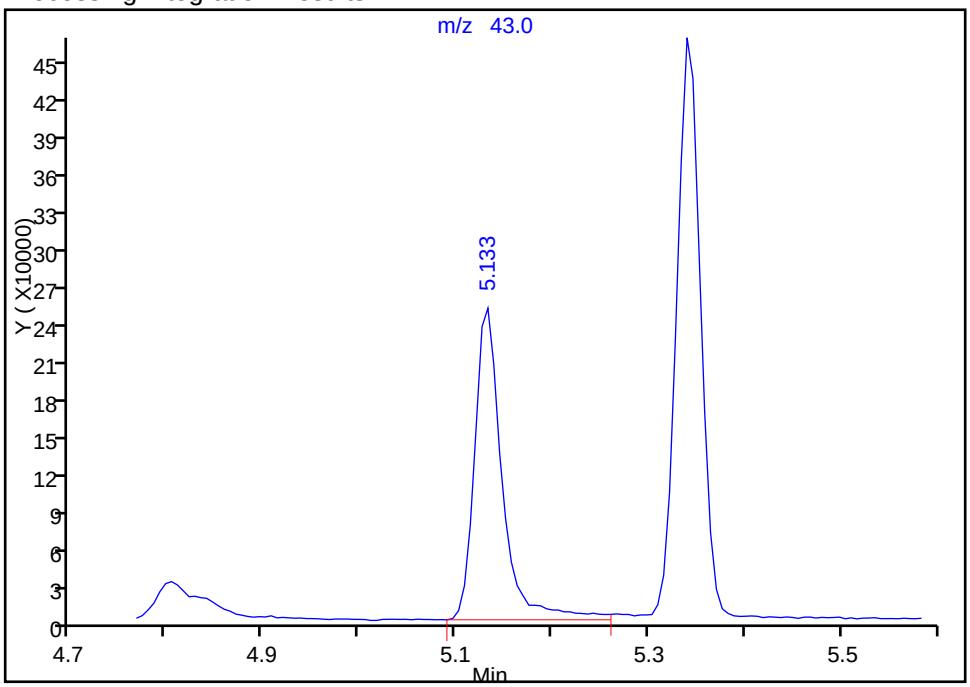
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5799.D
Injection Date: 07-Dec-2015 15:47:30 Instrument ID: HP5973S
Lims ID: IC 5
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

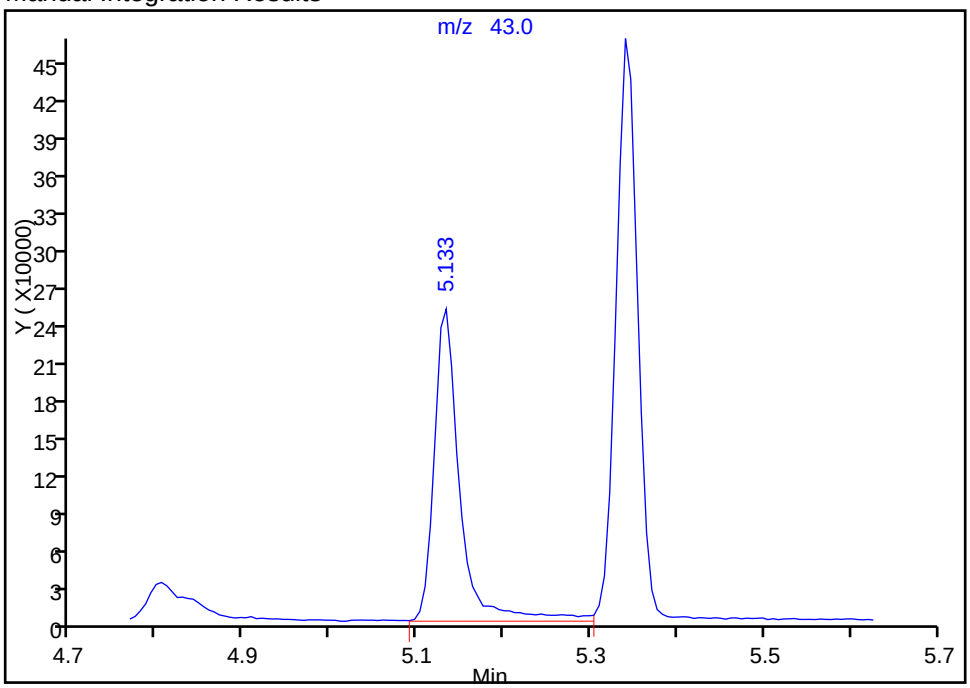
Processing Integration Results

RT: 5.13
Area: 499020
Amount: 1391.0932
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 515258
Amount: 1422.5376
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:45:29
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Dec-2015 16:09:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0049002-011
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:10 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:28:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	92	137826	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.396	8.396	0.000	87	301847	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	37	314709	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.811	4.810	0.001	32	170114	27.2	27.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	113208	27.2	26.5	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	93	733388	27.2	27.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	90	238419	27.2	28.0	
10 Dichlorodifluoromethane	85	1.243	1.249	-0.006	87	732166	100.0	103.3	
12 Chloromethane	50	1.407	1.407	0.000	88	1359630	100.0	99.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	767389	100.0	104.8	
151 Butadiene	54	1.535	1.535	0.000	85	919655	100.0	103.8	
14 Bromomethane	94	1.797	1.797	0.000	89	233914	100.0	104.5	
15 Chloroethane	64	1.919	1.919	0.000	92	319861	100.0	104.7	
16 Dichlorofluoromethane	67	2.126	2.132	-0.006	81	839254	100.0	107.4	
17 Trichlorofluoromethane	101	2.144	2.144	0.000	69	711886	100.0	108.2	
18 Ethyl ether	59	2.418	2.424	-0.006	97	814181	100.0	102.3	
20 Acrolein	56	2.576	2.582	-0.006	96	824014	500.0	535.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.655	2.649	0.006	44	574499	100.0	104.9	
22 1,1-Dichloroethene	96	2.662	2.661	0.001	79	639416	100.0	103.2	
23 Acetone	43	2.735	2.741	-0.006	100	1294453	500.0	504.6	
25 Iodomethane	142	2.814	2.820	-0.006	97	790710	100.0	113.7	
26 Carbon disulfide	76	2.850	2.850	0.000	99	1850817	100.0	104.0	
28 3-Chloro-1-propene	41	2.996	2.996	0.000	85	1251259	100.0	97.5	
27 Methyl acetate	43	3.039	3.045	-0.006	97	3501767	500.0	529.4	
30 Methylene Chloride	84	3.167	3.179	-0.012	87	635449	100.0	101.2	
31 2-Methyl-2-propanol	59	3.301	3.301	0.000	97	831957	1000.0	1217.1	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	92	1798787	100.0	100.0	
34 trans-1,2-Dichloroethene	96	3.380	3.380	0.000	84	629624	100.0	98.4	
33 Acrylonitrile	53	3.404	3.404	0.000	98	3721025	1000.0	1048.3	
35 Hexane	57	3.593	3.599	-0.006	94	1490572	100.0	103.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	85	1388492	100.0	99.8	
37 Vinyl acetate	43	3.843	3.849	-0.006	97	4048027	200.0	233.9	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	87	507948	100.0	102.7	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	74	685068	100.0	97.8	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	92	2186412	500.0	537.6	
48 Chlorobromomethane	128	4.573	4.573	0.000	87	358803	100.0	98.8	
49 Tetrahydrofuran	42	4.604	4.603	0.001	94	626974	200.0	204.8	
50 Chloroform	83	4.652	4.652	0.000	83	1062310	100.0	99.3	
51 1,1,1-Trichloroethane	97	4.780	4.780	0.000	91	806655	100.0	105.0	
52 Cyclohexane	56	4.804	4.804	0.000	91	1745813	100.0	105.5	
55 Carbon tetrachloride	117	4.926	4.926	0.000	75	780531	100.0	109.6	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	85	864665	100.0	99.3	
53 Isobutyl alcohol	43	5.133	5.133	0.000	64	1081037	2500.0	3131.3	M
57 Benzene	78	5.133	5.133	0.000	93	2374990	100.0	95.8	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	77	1074152	100.0	95.6	
59 n-Heptane	43	5.340	5.340	0.000	97	1514477	100.0	101.3	
62 Trichloroethene	95	5.748	5.748	0.000	90	654158	100.0	100.1	
64 Methylcyclohexane	83	5.882	5.882	0.000	95	1158878	100.0	104.5	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	89	783659	100.0	101.8	
67 Dibromomethane	93	6.107	6.107	0.000	87	350847	100.0	98.8	
66 1,4-Dioxane	88	6.119	6.119	0.000	52	134550	2000.0	2139.9	
68 Dichlorobromomethane	83	6.259	6.265	-0.006	91	779182	100.0	114.4	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	88	541526	100.0	106.9	
72 cis-1,3-Dichloropropene	75	6.686	6.686	0.000	85	1040474	100.0	107.9	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	97	4467025	500.0	539.2	
74 Toluene	92	6.984	6.984	0.000	98	1629513	100.0	99.5	
77 trans-1,3-Dichloropropene	75	7.246	7.246	0.000	91	953423	100.0	113.5	
75 Ethyl methacrylate	69	7.307	7.306	0.001	88	802412	100.0	117.9	
79 1,1,2-Trichloroethane	83	7.434	7.434	0.000	88	446618	100.0	98.6	
81 Tetrachloroethene	166	7.526	7.520	0.006	92	787428	100.0	99.8	
82 1,3-Dichloropropane	76	7.593	7.593	0.000	92	976493	100.0	99.9	
80 2-Hexanone	43	7.666	7.666	0.000	80	3168492	500.0	563.9	
83 Chlorodibromomethane	129	7.830	7.830	0.000	89	626312	100.0	127.4	
84 Ethylene Dibromide	107	7.940	7.934	0.006	99	581097	100.0	108.5	
87 Chlorobenzene	112	8.427	8.421	0.006	94	1886737	100.0	98.8	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	42	658067	100.0	113.0	
88 Ethylbenzene	91	8.524	8.524	0.000	97	2945674	100.0	99.3	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	1276629	100.0	101.5	
91 o-Xylene	106	9.072	9.072	0.000	96	1249533	100.0	101.9	
92 Styrene	104	9.096	9.096	0.000	95	2015443	100.0	102.1	
95 Bromoform	173	9.328	9.328	0.000	98	345799	100.0	151.1	
94 Isopropylbenzene	105	9.456	9.455	0.001	96	3037383	100.0	100.4	
101 Bromobenzene	156	9.797	9.796	0.001	88	851016	100.0	99.7	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	81	696118	100.0	104.0	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	63	242757	100.0	102.9	
99 N-Propylbenzene	91	9.888	9.882	0.006	97	3410446	100.0	99.1	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	35	361615	100.0	117.8	
103 2-Chlorotoluene	126	9.985	9.985	0.000	97	770020	100.0	101.9	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	97	2586418	100.0	99.7	
105 4-Chlorotoluene	126	10.095	10.095	0.000	97	811729	100.0	99.3	
106 tert-Butylbenzene	134	10.381	10.381	0.000	93	652188	100.0	106.3	
107 1,2,4-Trimethylbenzene	105	10.436	10.436	0.000	70	2624879	100.0	99.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	3215691	100.0	99.1	
111 1,3-Dichlorobenzene	146	10.722	10.722	0.000	98	1611103	100.0	98.1	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	97	2985715	100.0	99.3	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	94	1636702	100.0	98.3	
115 n-Butylbenzene	91	11.118	11.117	0.001	96	2426545	100.0	100.5	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	96	1567356	100.0	98.3	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.007	82	129795	100.0	128.7	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	94	1174572	100.0	100.4	
120 Hexachlorobutadiene	225	12.682	12.682	0.000	95	505418	100.0	97.2	
121 Naphthalene	128	12.773	12.773	0.000	97	2943541	100.0	108.2	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	95	1111686	100.0	101.1	
S 125 1,2-Dichloroethene, Total	1				0			196.1	
S 126 1,3-Dichloropropene, Total	1				0			221.4	
S 123 Total BTEX	1				0			498.1	
S 124 Xylenes, Total	1				0			203.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	50.00	Units: uL	
GAS CORP mix_00125	Amount Added:	50.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

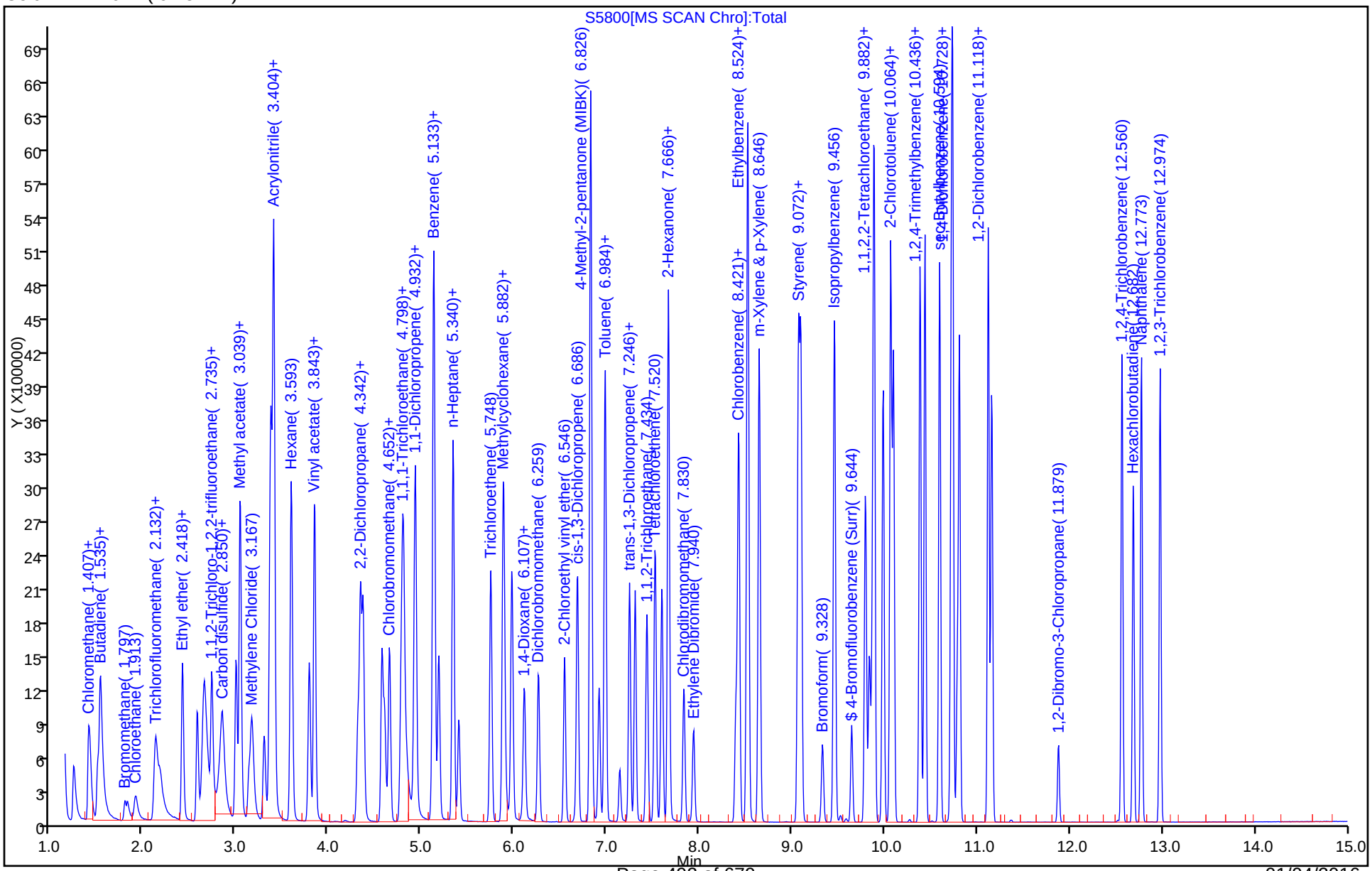
Report Date: 07-Dec-2015 22:59:11 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D

Injection Date:	07-Dec-2015 16:09:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

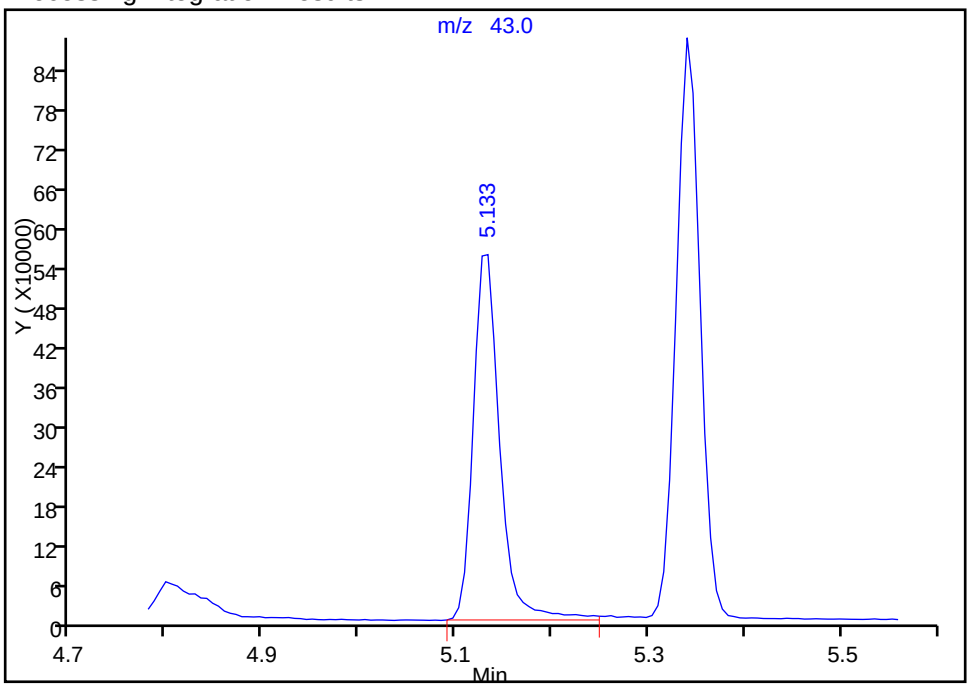
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5800.D
Injection Date: 07-Dec-2015 16:09:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

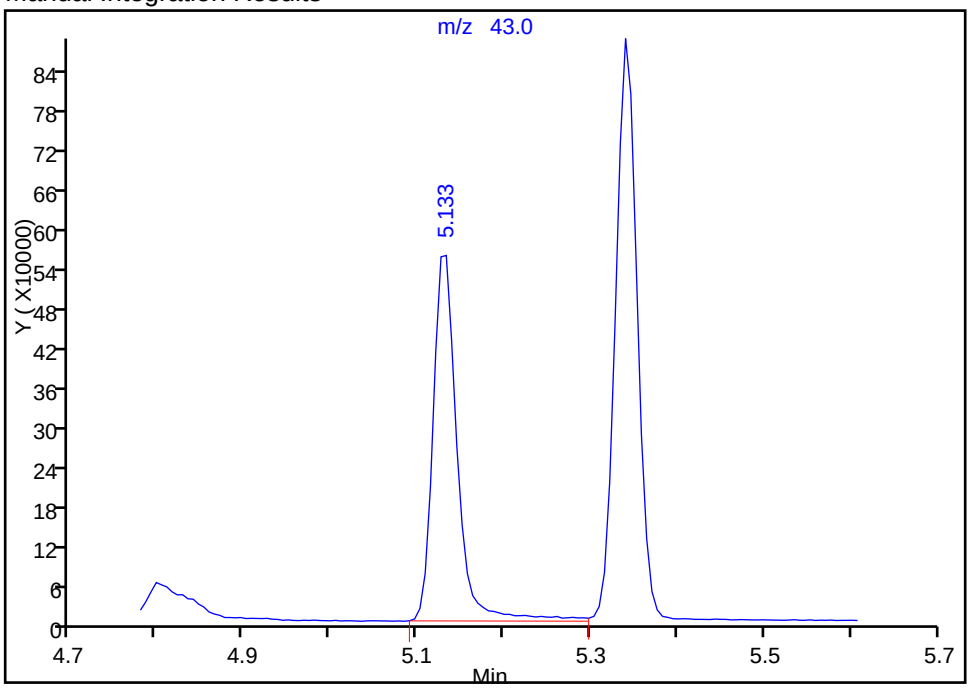
Processing Integration Results

RT: 5.13
Area: 1062160
Amount: 3087.8422
Amount Units: ug/L



Manual Integration Results

RT: 5.13
Area: 1081037
Amount: 3131.2643
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:46:28
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Dec-2015 16:55:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MDLV
Misc. Info.: 480-0049002-013
Operator ID: LH Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 07-Dec-2015 22:59:14 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: HillL Date: 07-Dec-2015 18:27:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.401	5.401	0.000	98	135202	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.390	8.396	-0.006	89	312613	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.783	10.783	0.000	95	322469	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.804	4.810	-0.006	80	167995	27.2	27.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.115	5.115	0.000	0	118176	27.2	28.2	
$ 5 Toluene-d8 (Surr)	98	6.917	6.917	0.000	95	737390	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	88	237257	27.2	26.9	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	25	6613	1.00	0.9511	
12 Chloromethane	50	1.401	1.407	-0.006	82	13098	1.00	0.9804	
13 Vinyl chloride	62	1.505	1.505	0.000	19	7198	1.00	1.00	M
151 Butadiene	54	1.529	1.535	-0.006	78	10411	1.00	1.20	
14 Bromomethane	94	1.821	1.797	0.024	1	2469	1.00	1.12	M
15 Chloroethane	64	1.919	1.919	0.000	36	5032	1.00	1.39	
16 Dichlorofluoromethane	67	2.132	2.132	0.000	20	6231	1.00	0.8130	M
17 Trichlorofluoromethane	101	2.144	2.144	0.000	24	5884	1.00	0.9116	
18 Ethyl ether	59	2.418	2.424	-0.006	76	8660	1.00	1.11	
20 Acrolein	56	2.582	2.582	0.000	64	7614	5.00	5.05	
21 1,1,2-Trichloro-1,2,2-trif	101	2.662	2.649	0.013	1	5113	1.00	0.9514	M
22 1,1-Dichloroethene	96	2.649	2.661	-0.012	50	5862	1.00	0.9641	
23 Acetone	43	2.741	2.741	0.000	87	13871	5.00	5.51	
25 Iodomethane	142	2.808	2.820	-0.012	46	7480	1.00	1.10	M
26 Carbon disulfide	76	2.844	2.850	-0.006	63	19097	1.00	1.09	
28 3-Chloro-1-propene	41	3.002	2.996	0.006	78	15011	1.00	1.19	
27 Methyl acetate	43	3.051	3.045	0.006	97	33957	5.00	5.23	
30 Methylene Chloride	84	3.167	3.179	-0.012	68	9996	1.00	0.9543	
31 2-Methyl-2-propanol	59	3.307	3.301	0.006	78	6369	10.0	9.50	
32 Methyl tert-butyl ether	73	3.368	3.368	0.000	83	18482	1.00	1.05	
34 trans-1,2-Dichloroethene	96	3.374	3.380	-0.006	69	6733	1.00	1.07	
33 Acrylonitrile	53	3.410	3.404	0.006	96	36255	10.0	10.4	
35 Hexane	57	3.593	3.599	-0.006	84	15020	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.788	3.788	0.000	47	15197	1.00	1.11	
37 Vinyl acetate	43	3.849	3.849	0.000	94	30225	2.00	1.78	
44 2,2-Dichloropropane	77	4.317	4.317	0.000	50	4345	1.00	0.8953	
45 cis-1,2-Dichloroethene	96	4.342	4.342	0.000	33	7253	1.00	1.06	
43 2-Butanone (MEK)	43	4.384	4.372	0.012	88	19526	5.00	4.89	
48 Chlorobromomethane	128	4.573	4.573	0.000	64	3560	1.00	1.00	
49 Tetrahydrofuran	42	4.616	4.603	0.013	85	6956	2.00	2.32	
50 Chloroform	83	4.658	4.652	0.006	55	11272	1.00	1.07	
51 1,1,1-Trichloroethane	97	4.786	4.780	0.006	12	7522	1.00	1.00	
52 Cyclohexane	56	4.804	4.804	0.000	14	17900	1.00	1.10	
55 Carbon tetrachloride	117	4.926	4.926	0.000	57	7184	1.00	1.03	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	69	8990	1.00	1.05	
53 Isobutyl alcohol	43	5.133	5.133	0.000	16	8143	25.0	24.0	
57 Benzene	78	5.133	5.133	0.000	66	25278	1.00	1.04	
58 1,2-Dichloroethane	62	5.188	5.188	0.000	40	11969	1.00	1.09	
59 n-Heptane	43	5.346	5.340	0.006	85	15574	1.00	1.06	
62 Trichloroethene	95	5.748	5.748	0.000	67	7199	1.00	1.12	
64 Methylcyclohexane	83	5.882	5.882	0.000	74	11222	1.00	1.03	
65 1,2-Dichloropropane	63	5.973	5.979	-0.006	55	7838	1.00	1.04	
67 Dibromomethane	93	6.107	6.107	0.000	67	3681	1.00	1.06	
66 1,4-Dioxane	88	6.125	6.119	0.006	0	1390	20.0	21.3	M
68 Dichlorobromomethane	83	6.259	6.265	-0.006	45	6152	1.00	0.9205	
69 2-Chloroethyl vinyl ether	63	6.546	6.546	0.000	27	4816	1.00	0.9692	
72 cis-1,3-Dichloropropene	75	6.679	6.686	-0.007	51	9288	1.00	0.9815	
73 4-Methyl-2-pentanone (MIBK	43	6.826	6.826	0.000	91	39518	5.00	4.61	
74 Toluene	92	6.984	6.984	0.000	69	17324	1.00	1.02	
77 trans-1,3-Dichloropropene	75	7.252	7.246	0.006	50	7772	1.00	0.8933	
75 Ethyl methacrylate	69	7.307	7.306	0.001	45	5988	1.00	0.8493	
79 1,1,2-Trichloroethane	83	7.428	7.434	-0.006	44	5225	1.00	1.11	
81 Tetrachloroethene	166	7.520	7.520	0.000	63	8336	1.00	1.02	
82 1,3-Dichloropropane	76	7.599	7.593	0.006	69	10430	1.00	1.03	
80 2-Hexanone	43	7.672	7.666	0.006	91	23708	5.00	4.07	
83 Chlorodibromomethane	129	7.830	7.830	0.000	21	4289	1.00	0.8421	
84 Ethylene Dibromide	107	7.934	7.934	0.000	33	4267	1.00	0.7692	
87 Chlorobenzene	112	8.427	8.421	0.006	38	20023	1.00	1.01	
89 1,1,1,2-Tetrachloroethane	131	8.518	8.518	0.000	18	4798	1.00	0.7953	
88 Ethylbenzene	91	8.524	8.524	0.000	81	30032	1.00	0.9778	
90 m-Xylene & p-Xylene	106	8.646	8.646	0.000	0	13220	1.00	1.01	
91 o-Xylene	106	9.066	9.072	-0.006	85	12418	1.00	0.9775	
92 Styrene	104	9.096	9.096	0.000	61	19725	1.00	0.9645	
95 Bromoform	173	9.334	9.328	0.006	11	2202	1.00	0.9288	
94 Isopropylbenzene	105	9.456	9.455	0.001	74	31400	1.00	1.01	
101 Bromobenzene	156	9.790	9.796	-0.006	50	9180	1.00	1.05	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	22	7132	1.00	1.04	
100 1,2,3-Trichloropropane	110	9.870	9.869	0.001	51	2239	1.00	0.9266	
99 N-Propylbenzene	91	9.888	9.882	0.006	84	35048	1.00	0.99	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	4	2669	1.00	0.8488	
103 2-Chlorotoluene	126	9.985	9.985	0.000	87	8049	1.00	1.04	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	83	26580	1.00	1.00	
105 4-Chlorotoluene	126	10.095	10.095	0.000	79	8559	1.00	1.02	
106 tert-Butylbenzene	134	10.381	10.381	0.000	70	5521	1.00	0.8783	
107 1,2,4-Trimethylbenzene	105	10.430	10.436	-0.006	48	26822	1.00	0.9877	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	73	33715	1.00	1.01	
111 1,3-Dichlorobenzene	146	10.716	10.722	-0.006	77	18143	1.00	1.08	
110 4-Isopropyltoluene	119	10.734	10.734	0.000	85	30093	1.00	0.9770	
113 1,4-Dichlorobenzene	146	10.807	10.807	0.000	13	18718	1.00	1.10	
115 n-Butylbenzene	91	11.118	11.117	0.001	74	23770	1.00	0.9608	
116 1,2-Dichlorobenzene	146	11.154	11.154	0.000	77	16891	1.00	1.03	
117 1,2-Dibromo-3-Chloropropan	75	11.879	11.872	0.006	1	889	1.00	0.8602	
119 1,2,4-Trichlorobenzene	180	12.560	12.560	0.000	65	12342	1.00	1.03	
120 Hexachlorobutadiene	225	12.688	12.682	0.006	55	6836	1.00	1.28	
121 Naphthalene	128	12.773	12.773	0.000	82	26740	1.00	0.9589	
122 1,2,3-Trichlorobenzene	180	12.974	12.974	0.000	68	11395	1.00	1.01	
S 125 1,2-Dichloroethene, Total	1				0			2.13	
S 126 1,3-Dichloropropene, Total	1				0			1.87	
S 123 Total BTEX	1				0			5.03	
S 124 Xylenes, Total	1				0			1.99	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added:	1.00	Units: uL	
GAS CORP mix_00125	Amount Added:	1.00	Units: uL	
S_8260_IS_00130	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00113	Amount Added:	1.00	Units: uL	Run Reagent

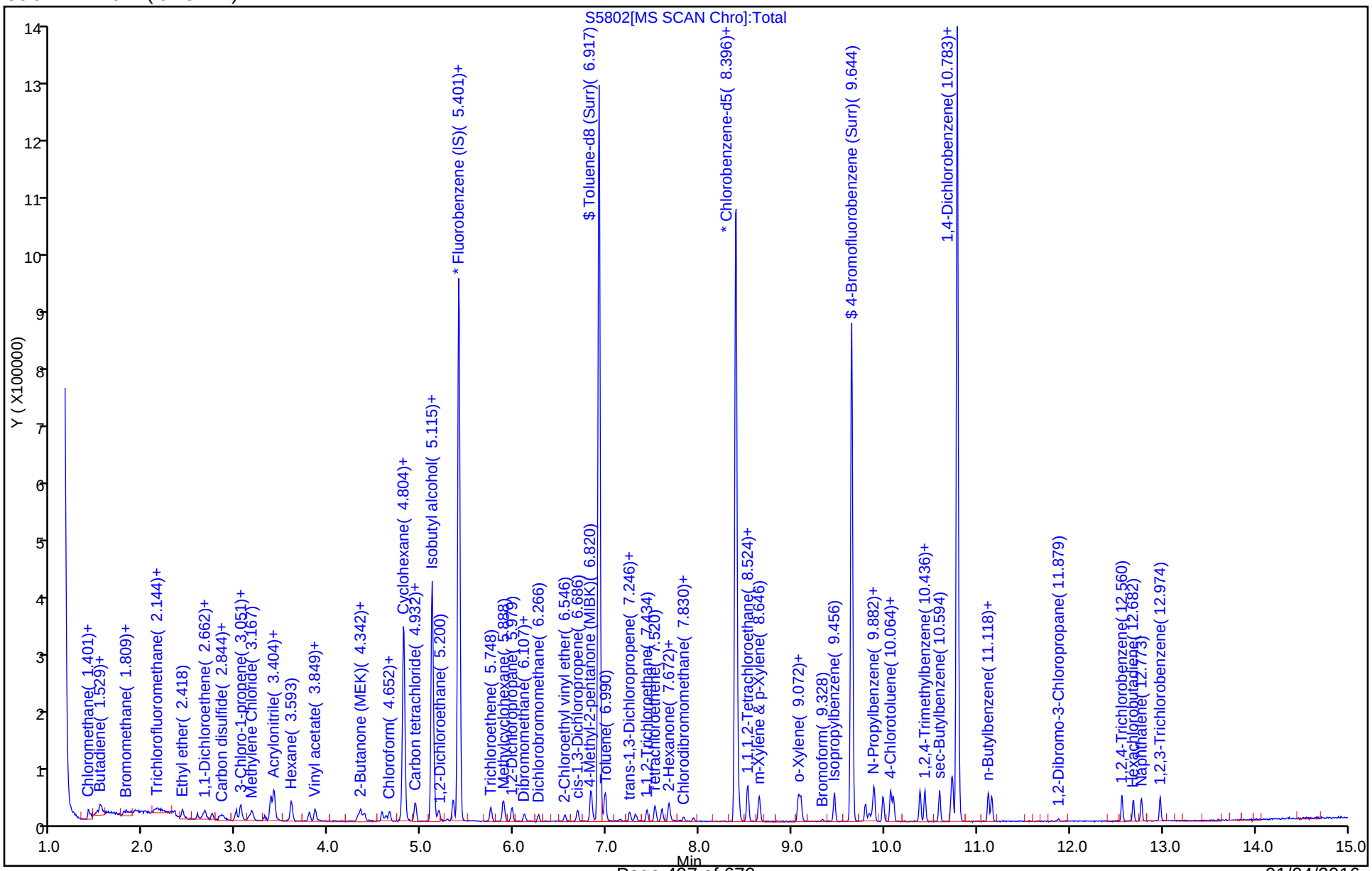
Report Date: 07-Dec-2015 22:59:15 Chrom Revision: 2.2 08-Oct-2015 07:17:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D

Injection Date:	07-Dec-2015 16:55:30	Instrument ID:	HP5973S	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

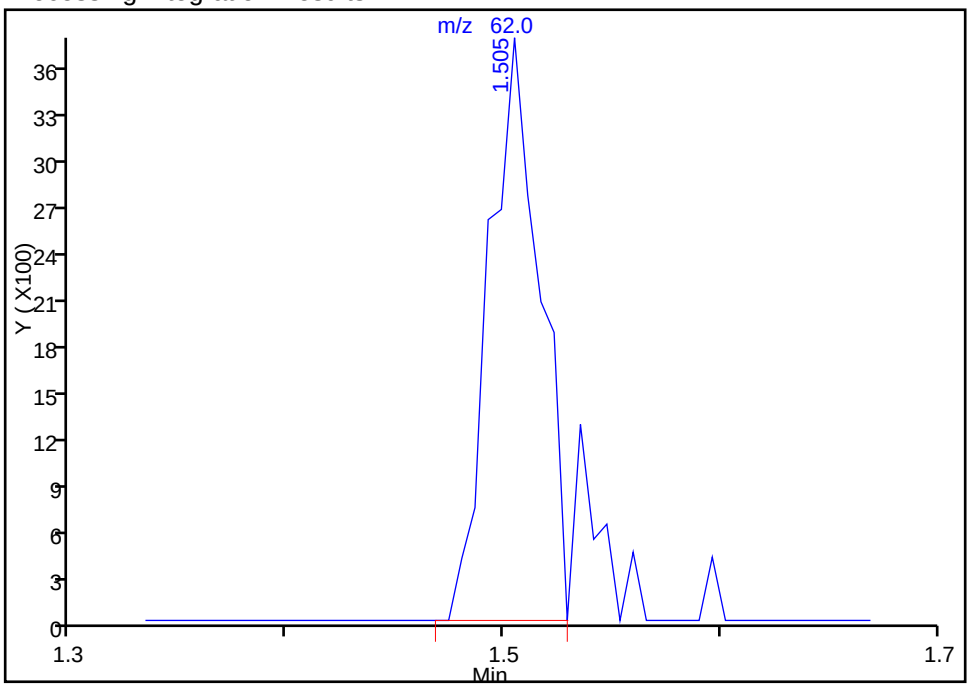
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

13 Vinyl chloride, CAS: 75-01-4

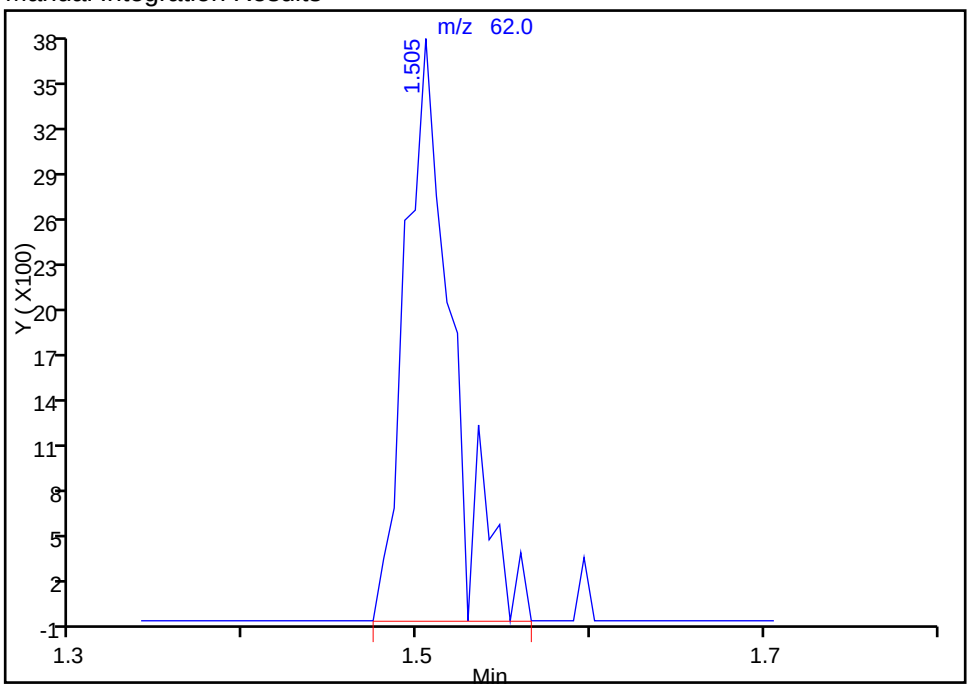
Processing Integration Results

RT: 1.50
Area: 6139
Amount: 0.892261
Amount Units: ug/L



Manual Integration Results

RT: 1.50
Area: 7198
Amount: 1.001913
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

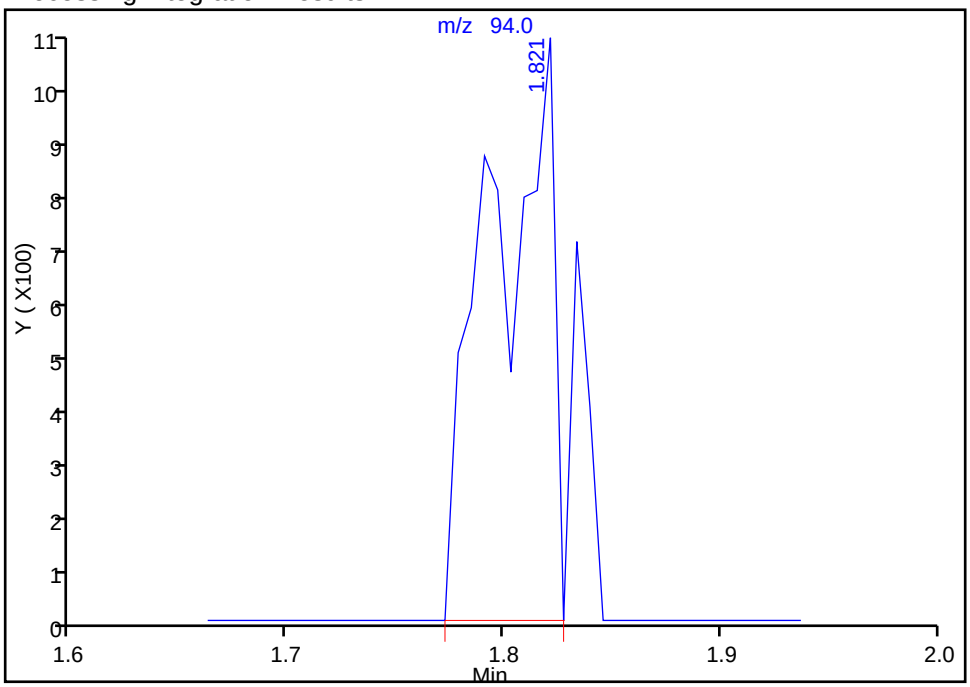
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

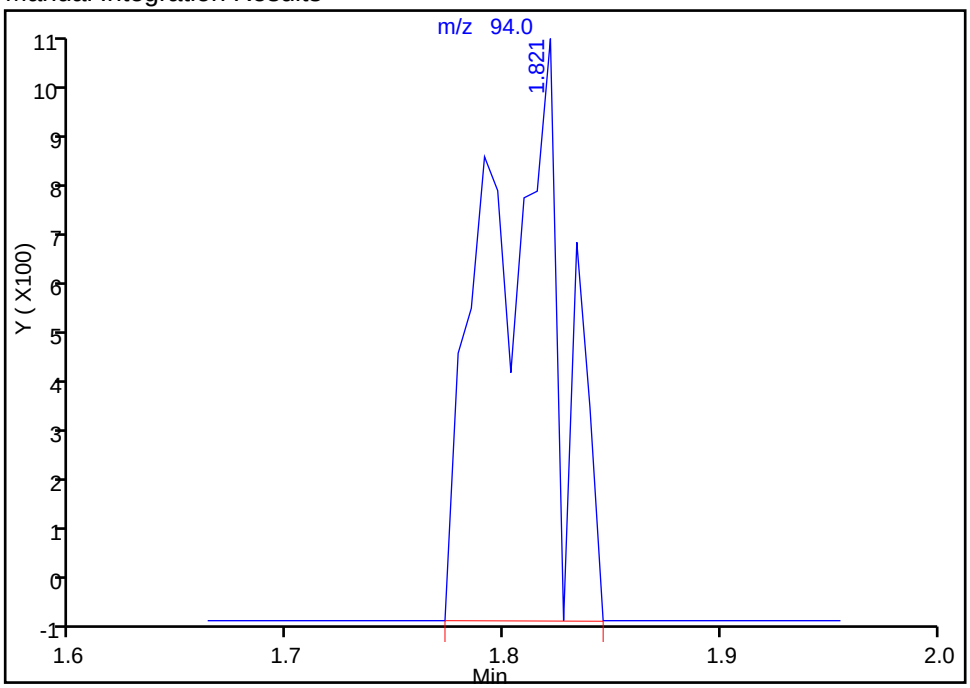
Processing Integration Results

RT: 1.82
Area: 2077
Amount: 0.934132
Amount Units: ug/L



Manual Integration Results

RT: 1.82
Area: 2469
Amount: 1.123982
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

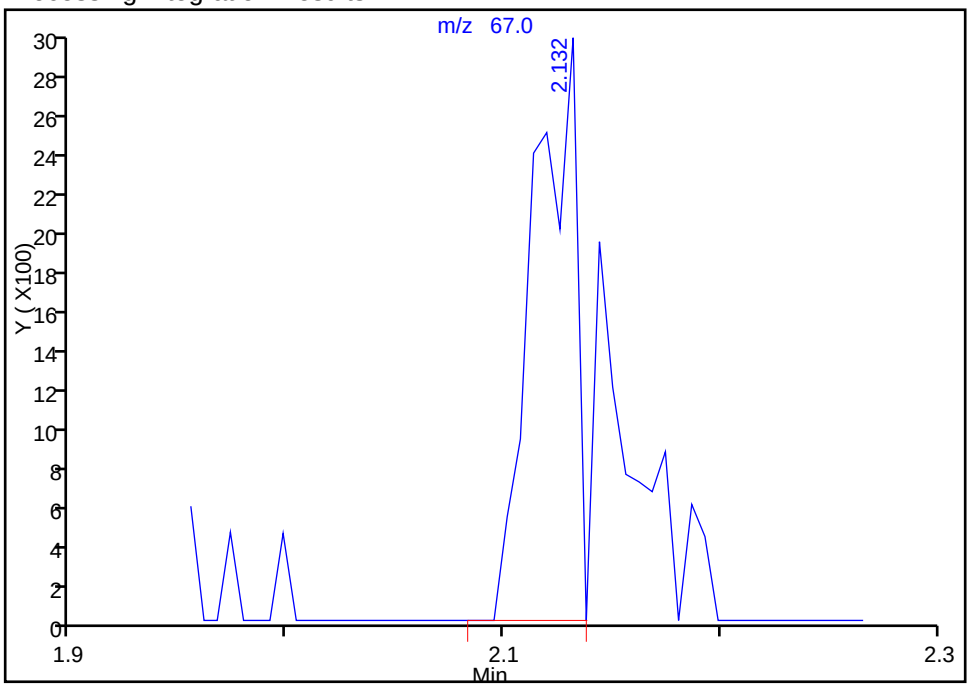
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

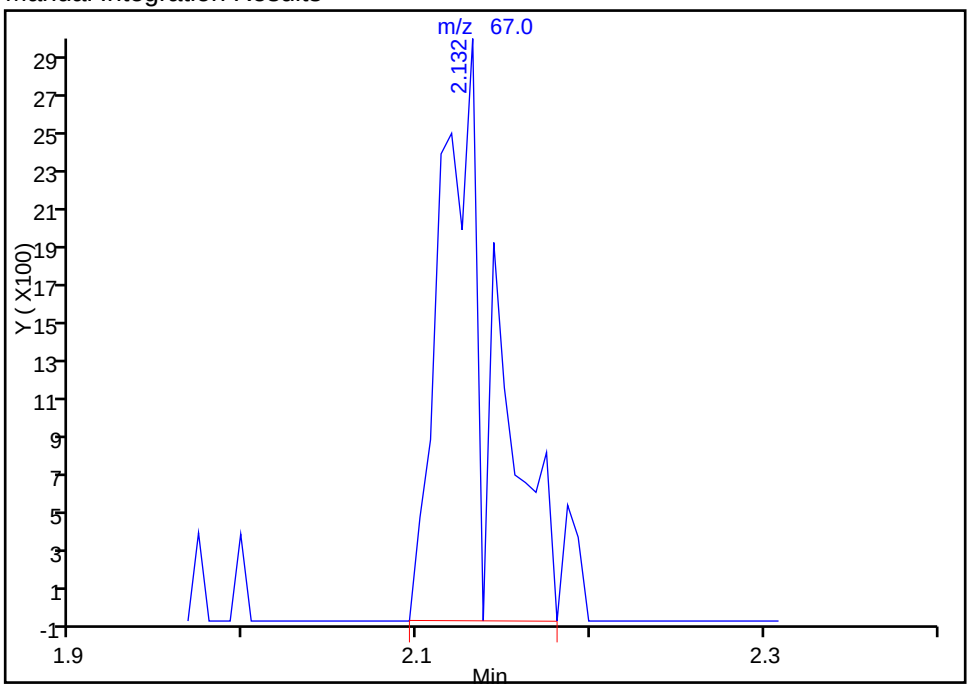
Processing Integration Results

RT: 2.13
Area: 4051
Amount: 0.550929
Amount Units: ug/L



Manual Integration Results

RT: 2.13
Area: 6231
Amount: 0.812972
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

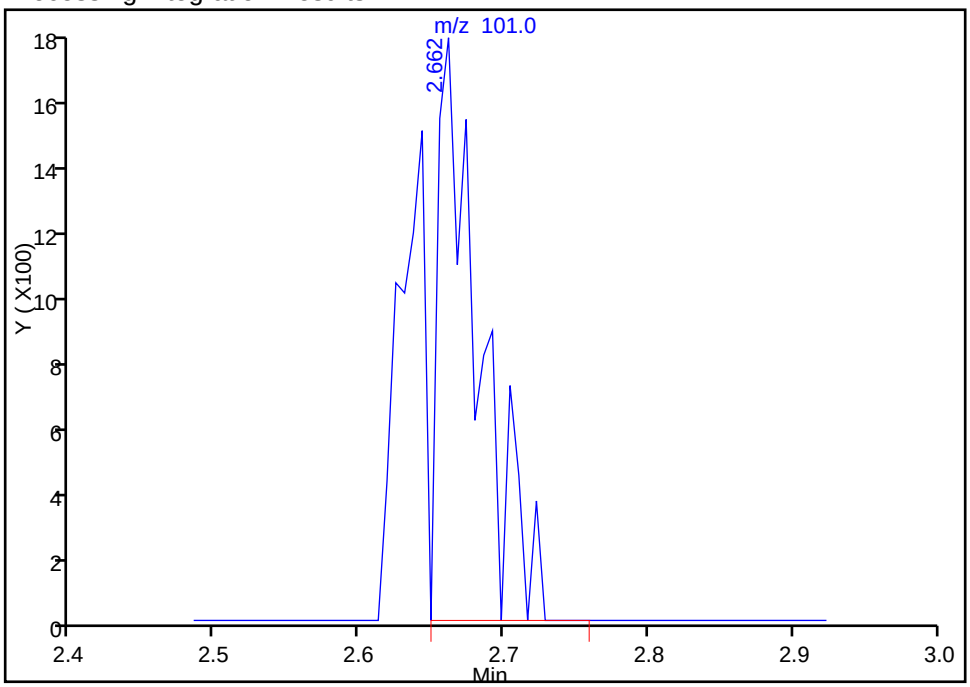
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

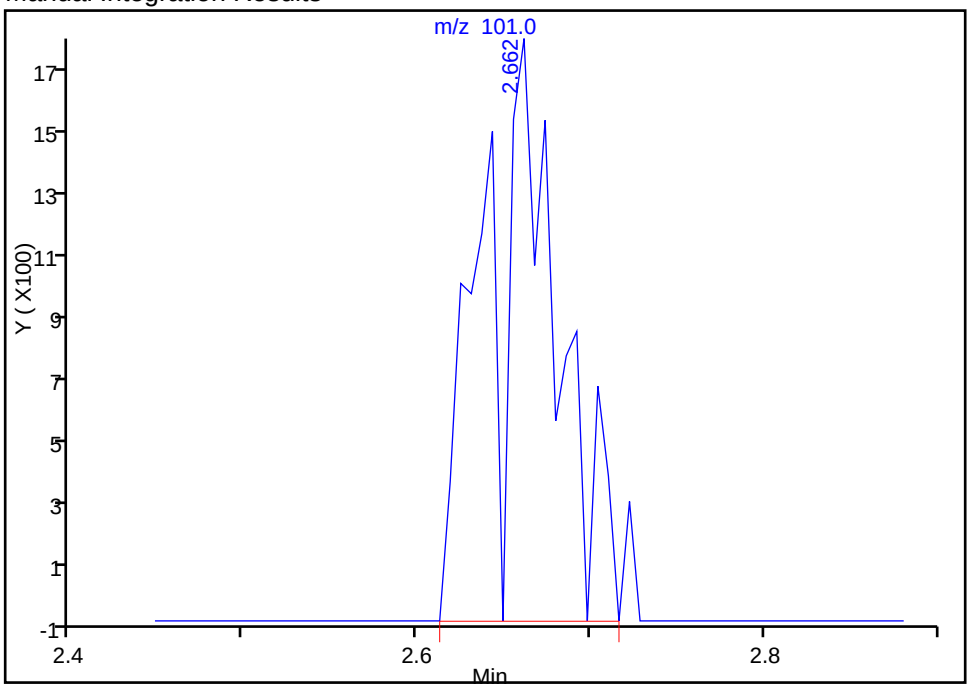
Processing Integration Results

RT: 2.66
Area: 3430
Amount: 0.697132
Amount Units: ug/L



Manual Integration Results

RT: 2.66
Area: 5113
Amount: 0.951410
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

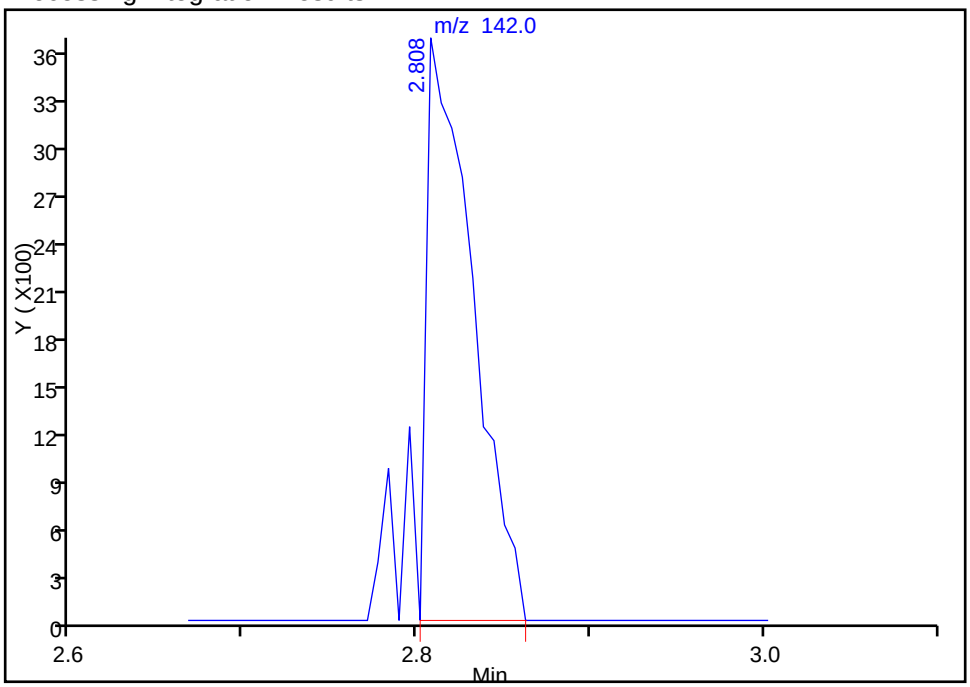
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

25 Iodomethane, CAS: 74-88-4

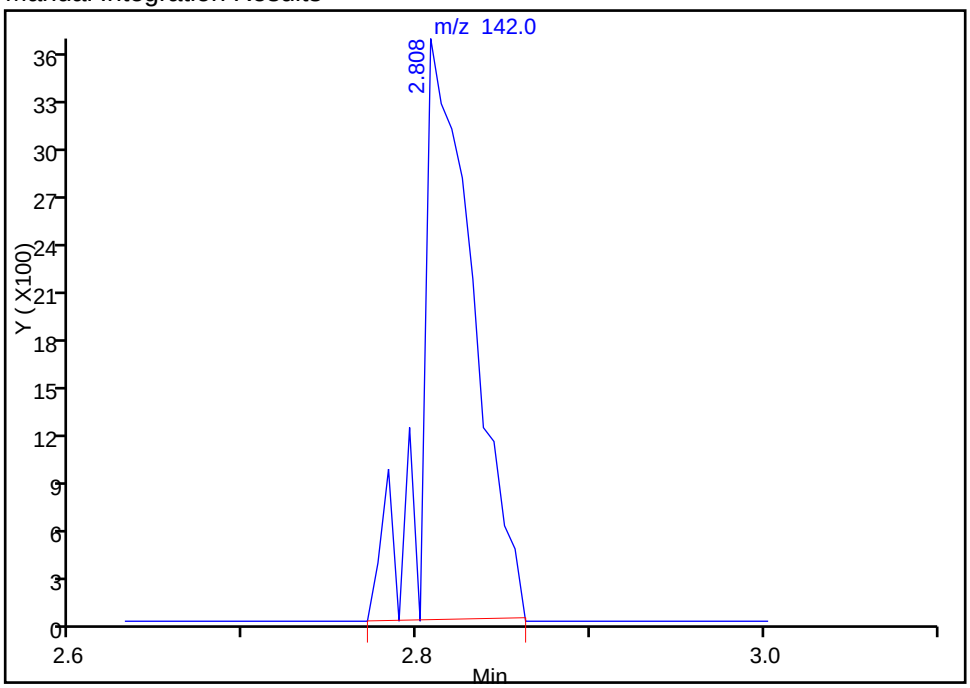
Processing Integration Results

RT: 2.81
Area: 6630
Amount: 1.042307
Amount Units: ug/L



Manual Integration Results

RT: 2.81
Area: 7480
Amount: 1.096899
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

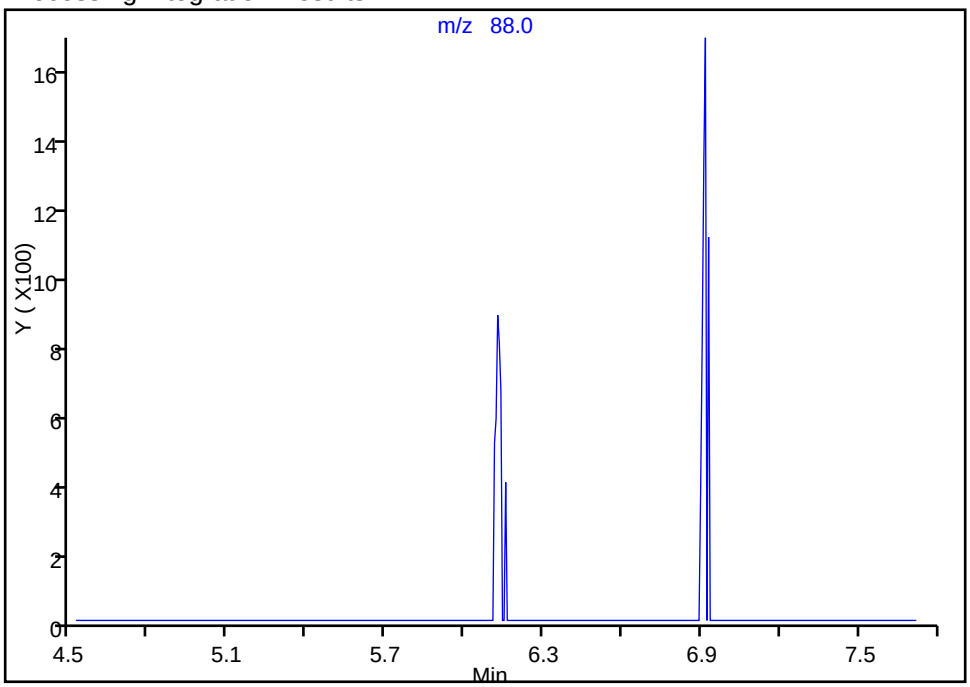
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5802.D
Injection Date: 07-Dec-2015 16:55:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

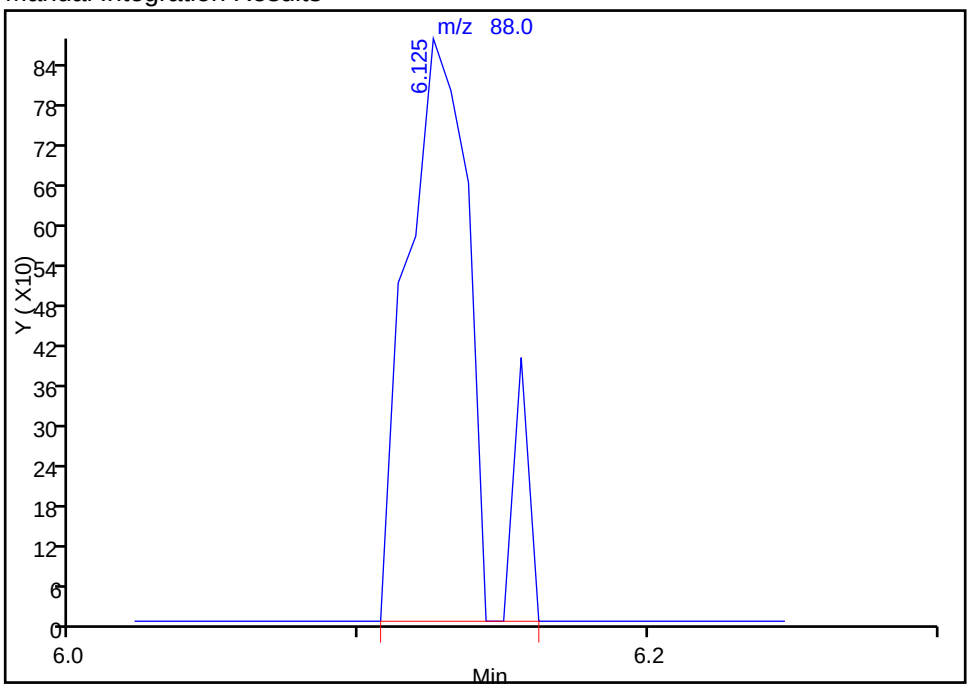
Not Detected
Expected RT: 6.12

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 1390
Amount: 21.345735
Amount Units: ug/L



Reviewer: HillL, 07-Dec-2015 18:27:20
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-281182/2 Calibration Date: 12/22/2015 23:00

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60018.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.590	1.682	0.1000	16.2	25.0	-35.1	50.0
Chloromethane	Ave	2.715	2.201	0.1000	20.3	25.0	-18.9	20.0
Vinyl chloride	Ave	2.355	2.087	0.1000	22.2	25.0	-11.4	20.0
Butadiene	Ave	2.449	2.066		21.1	25.0	-15.6	20.0
Bromomethane	Ave	1.620	1.536	0.1000	23.7	25.0	-5.2	50.0
Chloroethane	Ave	1.503	1.447	0.1000	24.1	25.0	-3.7	50.0
Dichlorofluoromethane	Ave	3.990	3.664		23.0	25.0	-8.2	20.0
Trichlorofluoromethane	Ave	3.745	3.323	0.1000	22.2	25.0	-11.3	20.0
Ethyl ether	Ave	1.926	1.578		20.5	25.0	-18.0	20.0
Acrolein	Ave	0.3260	0.2716		104	125	-16.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.065	1.691	0.1000	20.5	25.0	-18.1	20.0
1,1-Dichloroethene	Ave	1.877	1.460	0.1000	19.5	25.0	-22.2*	20.0
Acetone	Ave	0.5773	0.6863	0.1000	149	125	18.9	50.0
Iodomethane	Ave	3.626	2.840		19.6	25.0	-21.7*	20.0
Carbon disulfide	Ave	7.423	5.282	0.1000	17.8	25.0	-28.8*	20.0
Methyl acetate	Ave	1.453	1.297	0.1000	112	125	-10.7	50.0
Allyl chloride	Ave	3.437	2.561		18.6	25.0	-25.5*	20.0
Methylene Chloride	Lin1		1.844	0.1000	22.2	25.0	-11.2	20.0
2-Methyl-2-propanol	Ave	0.1907	0.2412		316	250	26.5	50.0
Methyl tert-butyl ether	Ave	5.999	5.116	0.1000	21.3	25.0	-14.7	20.0
Acrylonitrile	Ave	0.7227	0.7011		243	250	-3.0	20.0
trans-1,2-Dichloroethene	Ave	2.002	1.695	0.1000	21.2	25.0	-15.3	20.0
Hexane	Ave	3.110	2.308		18.6	25.0	-25.8*	20.0
Vinyl acetate	Ave	4.225	3.775		44.7	50.0	-10.7	20.0
1,1-Dichloroethane	Ave	3.852	3.417	0.2000	22.2	25.0	-11.3	20.0
2-Butanone (MEK)	Ave	0.8762	0.8907	0.1000	127	125	1.6	20.0
2,2-Dichloropropane	Ave	3.144	2.759		21.9	25.0	-12.3	20.0
cis-1,2-Dichloroethene	Ave	2.206	1.953	0.1000	22.1	25.0	-11.5	20.0
Chlorobromomethane	Ave	1.075	0.9902		23.0	25.0	-7.9	20.0
Chloroform	Ave	3.945	3.416	0.2000	21.6	25.0	-13.4	20.0
Tetrahydrofuran	Ave	0.6254	0.5525		44.2	50.0	-11.7	20.0
1,1,1-Trichloroethane	Ave	3.373	2.866	0.1000	21.2	25.0	-15.0	20.0
Cyclohexane	Ave	3.889	3.299	0.1000	21.2	25.0	-15.2	20.0
Isobutyl alcohol	Ave	0.0915	0.1002		684	625	9.4	50.0
1,1-Dichloropropene	Ave	2.799	2.433		21.7	25.0	-13.1	20.0
Carbon tetrachloride	Ave	2.983	2.736	0.1000	22.9	25.0	-8.3	20.0
Benzene	Ave	7.827	7.014	0.5000	22.4	25.0	-10.4	20.0
n-Heptane	Ave	3.085	2.343		19.0	25.0	-24.0*	20.0
1,2-Dichloroethane	Ave	3.337	2.823	0.1000	21.2	25.0	-15.4	20.0
Trichloroethene	Ave	2.151	1.916	0.2000	22.3	25.0	-10.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-281182/2 Calibration Date: 12/22/2015 23:00

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60018.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	3.182	2.714	0.1000	21.3	25.0	-14.7	20.0
1,2-Dichloropropane	Ave	2.061	1.907	0.1000	23.1	25.0	-7.4	20.0
1,4-Dioxane	Lin1		0.0080		817	500	63.5*	50.0
Dibromomethane	Ave	1.335	1.221	0.1000	22.9	25.0	-8.6	20.0
Bromodichloromethane	Ave	2.896	2.632	0.2000	22.7	25.0	-9.1	20.0
2-Chloroethyl vinyl ether	Ave	1.306	1.166		22.3	25.0	-10.7	20.0
cis-1,3-Dichloropropene	Ave	3.261	2.957	0.2000	22.7	25.0	-9.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9562	0.8513	0.1000	111	125	-11.0	20.0
Toluene	Ave	2.312	2.041	0.4000	22.1	25.0	-11.7	20.0
Ethyl methacrylate	Ave	1.117	0.9830		22.0	25.0	-12.0	20.0
trans-1,3-Dichloropropene	Ave	1.430	1.275	0.1000	22.3	25.0	-10.9	20.0
1,1,2-Trichloroethane	Ave	0.7108	0.6553	0.1000	23.0	25.0	-7.8	20.0
2-Hexanone	Ave	0.6613	0.6322	0.1000	119	125	-4.4	20.0
Tetrachloroethene	Ave	1.088	1.026	0.2000	23.6	25.0	-5.7	20.0
1,3-Dichloropropane	Ave	1.444	1.327		23.0	25.0	-8.1	20.0
Dibromochloromethane	Ave	1.039	0.9247	0.1000	22.3	25.0	-11.0	20.0
1,2-Dibromoethane	Ave	0.9169	0.8227		22.4	25.0	-10.3	20.0
Chlorobenzene	Ave	2.715	2.489	0.5000	22.9	25.0	-8.3	20.0
Ethylbenzene	Ave	4.609	3.990	0.1000	21.6	25.0	-13.4	20.0
1,1,1,2-Tetrachloroethane	Ave	1.039	0.9669		23.3	25.0	-6.9	20.0
m,p-Xylene	Ave	1.784	1.638	0.1000	23.0	25.0	-8.2	20.0
o-Xylene	Ave	1.787	1.616	0.3000	22.6	25.0	-9.6	20.0
Styrene	Ave	2.916	2.613	0.3000	22.4	25.0	-10.4	20.0
Isopropylbenzene	Ave	4.863	4.146	0.1000	21.3	25.0	-14.7	20.0
Bromoform	Ave	0.6124	0.5624	0.1000	23.0	25.0	-8.2	50.0
1,1,2,2-Tetrachloroethane	Ave	1.125	1.026	0.3000	22.8	25.0	-8.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4136	0.3139		19.0	25.0	-24.1	50.0
N-Propylbenzene	Ave	5.599	4.822		21.5	25.0	-13.9	20.0
1,2,3-Trichloropropane	Ave	0.3674	0.3503		23.8	25.0	-4.6	20.0
Bromobenzene	Ave	1.250	1.143		22.9	25.0	-8.6	20.0
1,3,5-Trimethylbenzene	Ave	4.151	3.639		21.9	25.0	-12.3	20.0
2-Chlorotoluene	Ave	1.082	0.9761		22.6	25.0	-9.8	20.0
4-Chlorotoluene	Ave	1.150	1.029		22.4	25.0	-10.5	20.0
tert-Butylbenzene	Ave	0.9022	0.7696		21.3	25.0	-14.7	20.0
1,2,4-Trimethylbenzene	Ave	4.273	3.740		21.9	25.0	-12.5	20.0
sec-Butylbenzene	Ave	5.131	4.456		21.7	25.0	-13.2	20.0
4-Isopropyltoluene	Ave	4.357	3.788		21.7	25.0	-13.1	20.0
1,3-Dichlorobenzene	Ave	2.406	2.183	0.6000	22.7	25.0	-9.3	20.0
1,4-Dichlorobenzene	Ave	2.479	2.251	0.5000	22.7	25.0	-9.2	20.0
n-Butylbenzene	Ave	3.837	3.362		21.9	25.0	-12.4	20.0
1,2-Dichlorobenzene	Ave	2.347	2.112	0.4000	22.5	25.0	-10.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-281182/2 Calibration Date: 12/22/2015 23:00

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60018.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2419	0.1904	0.0500	19.7	25.0	-21.3	50.0
1,2,4-Trichlorobenzene	Ave	1.577	1.496	0.2000	23.7	25.0	-5.2	20.0
Hexachlorobutadiene	Ave	0.6274	0.6028		24.0	25.0	-3.9	20.0
Naphthalene	Ave	3.437	3.127		22.7	25.0	-9.0	20.0
1,2,3-Trichlorobenzene	Ave	1.513	1.428		23.6	25.0	-5.6	20.0
Dibromofluoromethane (Surr)	Ave	1.323	1.357		25.6	25.0	2.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7962	0.7923		24.9	25.0	-0.5	20.0
Toluene-d8 (Surr)	Ave	2.102	2.077		24.7	25.0	-1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7258	0.7487		25.8	25.0	3.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60018.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Dec-2015 23:00:30 ALS Bottle#: 28 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0049508-002
Operator ID: SO Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 23:20:38 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: o'briens Date: 22-Dec-2015 23:20:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	123480	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	88	270463	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	96	271447	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	167578	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	97828	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	561884	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	202491	25.0	25.8	
10 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	207708	25.0	16.2	
12 Chloromethane	50	4.851	4.851	0.000	99	271767	25.0	20.3	
13 Vinyl chloride	62	5.088	5.088	0.000	99	257717	25.0	22.2	
151 Butadiene	54	5.136	5.136	0.000	87	255160	25.0	21.1	
14 Bromomethane	94	5.693	5.693	0.000	92	189680	25.0	23.7	
15 Chloroethane	64	5.835	5.835	0.000	99	178685	25.0	24.1	
16 Dichlorofluoromethane	67	6.120	6.120	0.000	97	452433	25.0	23.0	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	100	410317	25.0	22.2	
18 Ethyl ether	59	6.487	6.487	0.000	94	194872	25.0	20.5	
20 Acrolein	56	6.736	6.736	0.000	98	167686	125.0	104.1	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	208853	25.0	20.5	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	95	180335	25.0	19.5	
23 Acetone	43	6.879	6.879	0.000	100	423703	125.0	148.6	
25 Iodomethane	142	7.057	7.057	0.000	99	350677	25.0	19.6	
26 Carbon disulfide	76	7.140	7.140	0.000	100	652221	25.0	17.8	
27 Methyl acetate	43	7.163	7.163	0.000	98	800780	125.0	111.6	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	81	316194	25.0	18.6	
30 Methylene Chloride	84	7.341	7.341	0.000	97	227654	25.0	22.2	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	99	297850	250.0	316.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	97	631758	25.0	21.3	
34 trans-1,2-Dichloroethene	96	7.578	7.578	0.000	95	209310	25.0	21.2	
33 Acrylonitrile	53	7.578	7.578	0.000	98	865740	250.0	242.5	
35 Hexane	57	7.721	7.721	0.000	91	285026	25.0	18.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.922	0.000	97	932196	50.0	44.7	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	421880	25.0	22.2	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	549888	125.0	127.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	90	340668	25.0	21.9	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	241151	25.0	22.1	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	122264	25.0	23.0	
49 Tetrahydrofuran	42	8.705	8.705	0.000	56	136434	50.0	44.2	
50 Chloroform	83	8.705	8.705	0.000	96	421792	25.0	21.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	353953	25.0	21.2	
52 Cyclohexane	56	8.907	8.907	0.000	92	407371	25.0	21.2	
53 Isobutyl alcohol	43	8.954	8.954	0.000	99	309239	625.0	684.0	
54 1,1-Dichloropropene	75	8.990	8.990	0.000	97	300469	25.0	21.7	
55 Carbon tetrachloride	117	9.013	9.013	0.000	98	337819	25.0	22.9	
57 Benzene	78	9.179	9.179	0.000	98	866081	25.0	22.4	
59 n-Heptane	43	9.191	9.191	0.000	91	289313	25.0	19.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	348591	25.0	21.2	
62 Trichloroethene	95	9.654	9.654	0.000	96	236613	25.0	22.3	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	335101	25.0	21.3	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	94	235537	25.0	23.1	
66 1,4-Dioxane	88	9.926	9.926	0.000	96	43352	500.0	817.3	
67 Dibromomethane	93	9.997	9.997	0.000	95	150744	25.0	22.9	
68 Dichlorobromomethane	83	10.069	10.069	0.000	98	324988	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	144037	25.0	22.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	99	365101	25.0	22.7	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	96	1151203	125.0	111.3	
74 Toluene	92	10.650	10.650	0.000	97	552087	25.0	22.1	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	265870	25.0	22.0	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	94	344739	25.0	22.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	177242	25.0	23.0	
80 2-Hexanone	43	11.053	11.053	0.000	96	854894	125.0	119.5	
81 Tetrachloroethene	166	11.088	11.088	0.000	97	277488	25.0	23.6	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	92	358908	25.0	23.0	
83 Chlorodibromomethane	129	11.338	11.338	0.000	90	250098	25.0	22.3	
84 Ethylene Dibromide	107	11.468	11.468	0.000	99	222508	25.0	22.4	
88 Ethylbenzene	91	11.800	11.800	0.000	95	1079036	25.0	21.6	
87 Chlorobenzene	112	11.800	11.800	0.000	88	673174	25.0	22.9	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	261498	25.0	23.3	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	443067	25.0	23.0	
91 o-Xylene	106	12.239	12.239	0.000	98	437129	25.0	22.6	
92 Styrene	104	12.251	12.251	0.000	94	706738	25.0	22.4	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1125437	25.0	21.3	
95 Bromoform	173	12.523	12.523	0.000	95	152108	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	278634	25.0	22.8	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	85	85217	25.0	19.0	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	1308798	25.0	21.5	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	81	95092	25.0	23.8	
101 Bromobenzene	156	12.915	12.915	0.000	96	310345	25.0	22.9	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	987674	25.0	21.9	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	264945	25.0	22.6	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	279233	25.0	22.4	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	208902	25.0	21.3	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	98	1015169	25.0	21.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1209540	25.0	21.7	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	1028134	25.0	21.7	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	592546	25.0	22.7	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	611004	25.0	22.7	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	912559	25.0	21.9	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	573266	25.0	22.5	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.109	0.000	84	51677	25.0	19.7	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	406132	25.0	23.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	95	163617	25.0	24.0	
121 Naphthalene	128	16.579	16.579	0.000	97	848784	25.0	22.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	96	387745	25.0	23.6	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

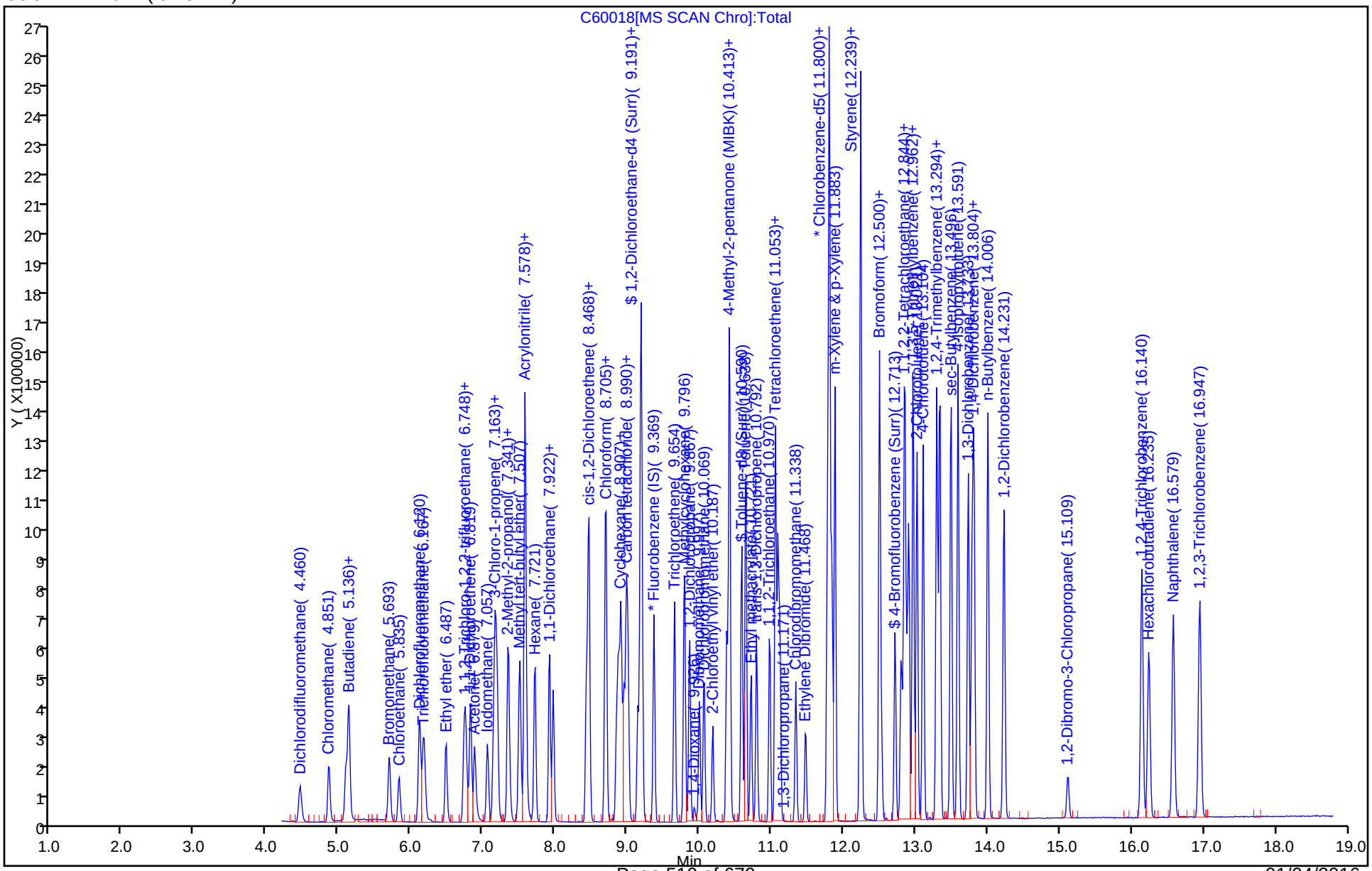
Report Date: 22-Dec-2015 23:20:38 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60018.D

Injection Date:	22-Dec-2015 23:00:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCV 480-281182/3 Calibration Date: 12/22/2015 23:26

Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40

Lab File ID: C60019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	1.323	1.163		22.0	25.0	-12.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7962	0.7433		23.3	25.0	-6.6	20.0
Toluene-d8 (Surr)	Ave	2.102	2.072		24.6	25.0	-1.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7258	0.7365		25.4	25.0	1.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 22-Dec-2015 23:26:30 ALS Bottle#: 29 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0049508-003
Operator ID: SO Instrument ID: HP5973C
Sublist: chrom-C-8260*sub86

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 23:47:26 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: o'briens Date: 22-Dec-2015 23:47:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	142133	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	87	267346	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	93	272130	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	165251	25.0	22.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	105648	25.0	23.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	553931	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	196892	25.0	25.4	
11 Chlorodifluoromethane	51	4.483	4.483	0.000	97	158191	25.0	14.9	
148 Ethanol	45	6.416	6.416	0.000	99	102048	1000.0	1495.1	
24 Isopropyl alcohol	45	6.974	6.974	0.000	98	161345	250.0	325.7	
29 Acetonitrile	40	7.223	7.223	0.000	99	155689	250.0	295.3	
36 Isopropyl ether	45	7.875	7.875	0.000	95	782543	25.0	23.9	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	94	343884	25.0	19.6	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	868585	25.0	25.2	
42 Ethyl acetate	43	8.397	8.397	0.000	99	444902	50.0	49.5	
46 Propionitrile	54	8.539	8.539	0.000	99	387036	250.0	289.4	
47 Methacrylonitrile	41	8.646	8.646	0.000	92	1520638	250.0	233.7	
147 t-Amyl alcohol	59	9.037	9.037	0.000	95	242019	250.0	287.0	
152 Isooctane	57	9.108	9.108	0.000	97	627289	25.0	19.8	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	98	703205	25.0	24.0	
1 1,4-Difluorobenzene	114	9.405	9.405	0.000	96	702692	25.0	24.4	
60 n-Butanol	56	9.464	9.464	0.000	81	176956	625.0	905.3	
142 Ethyl acrylate	55	9.606	9.606	0.000	99	358080	25.0	14.9	
63 Methyl methacrylate	41	9.784	9.784	0.000	92	431534	50.0	43.8	
70 2-Nitropropane	43	10.235	10.235	0.000	99	147243	50.0	45.5	
76 2-Methylthiophene	97	10.768	10.768	0.000	97	819942	25.0	22.2	
78 3-Methylthiophene	97	10.899	10.899	0.000	100	869540	25.0	23.4	
155 n-Butyl acetate	43	11.065	11.065	0.000	98	352489	25.0	23.3	
85 3-Chlorobenzotrifluoride	180	11.610	11.610	0.000	93	337776	25.0	20.2	
146 1-Chlorohexane	55	11.634	11.634	0.000	95	218966	25.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	97	353529	25.0	22.4	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	96	353152	25.0	21.9	
96 Cyclohexanone	55	12.725	12.725	0.000	92	82306	250.0	252.8	
104 3-Chlorotoluene	126	13.057	13.057	0.000	98	275759	25.0	22.4	
108 Pentachloroethane	167	13.425	13.425	0.000	90	170634	25.0	26.6	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	99	1059512	25.0	22.8	
114 Dicyclopentadiene	66	13.828	13.828	0.000	97	299163	25.0	20.1	
150 Benzyl chloride	126	13.923	13.923	0.000	99	121858	25.0	29.9	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	98	435396	25.0	24.5	
149 2-Methylnaphthalene	142	18.536	18.536	0.000	93	512853	25.0	24.5	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

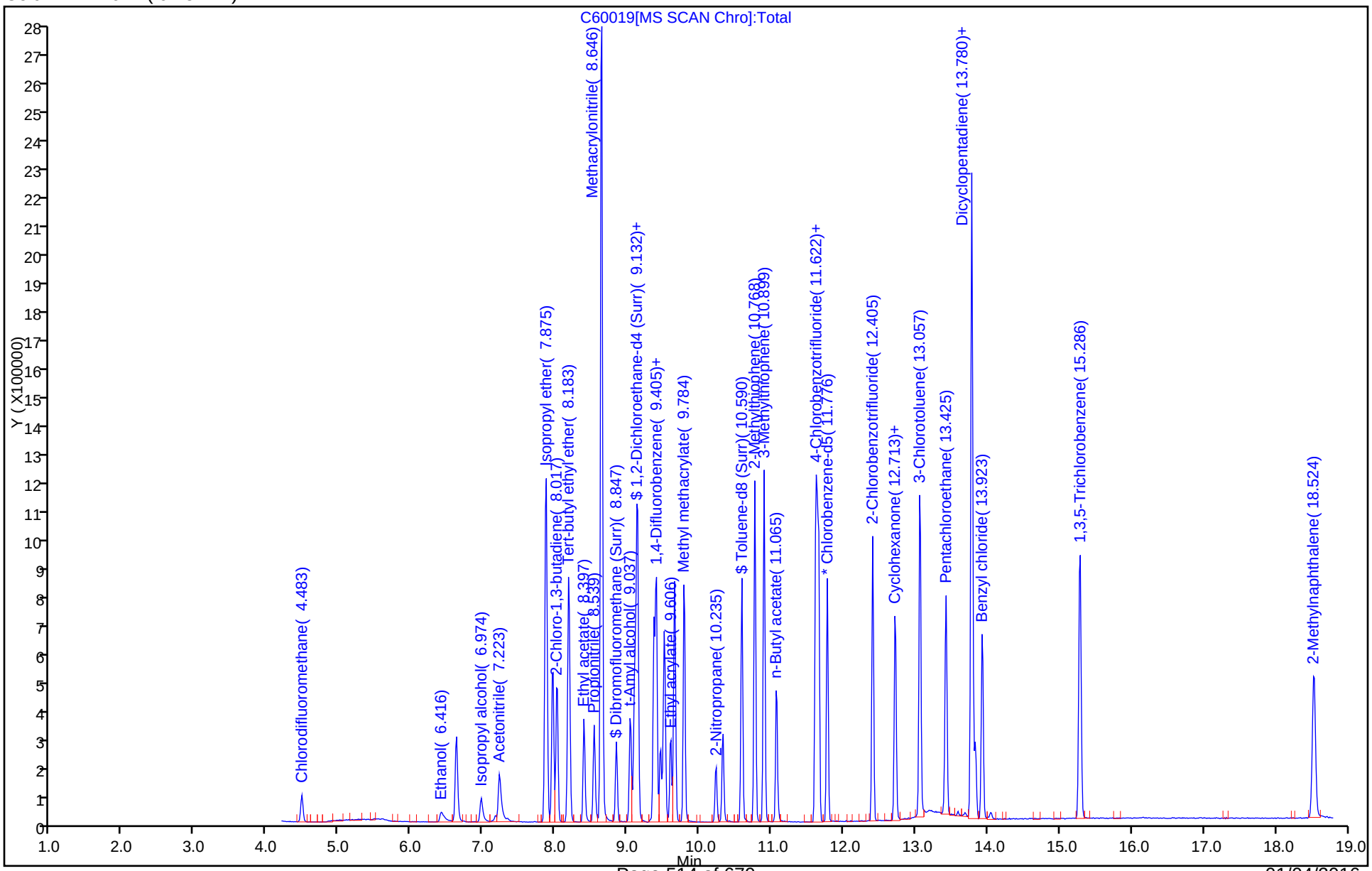
Report Date: 22-Dec-2015 23:47:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D

Injection Date:	22-Dec-2015 23:26:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCV 480-281182/3 Calibration Date: 12/22/2015 23:26

Instrument ID: HP5973C Calib Start Date: 12/11/2015 19:49

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 22:23

Lab File ID: C60019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	1.872	1.113		14.9	25.0	-40.6*	20.0
Ethanol	Ave	0.0120	0.0180		1500	1000	49.5*	20.0
Isopropyl alcohol	Ave	0.0871	0.1135		326	250	30.3*	20.0
Acetonitrile	Ave	0.0927	0.1095		295	250	18.1	20.0
Isopropyl ether	Ave	5.759	5.506		23.9	25.0	-4.4	20.0
Chloroprene	Ave	3.081	2.419		19.6	25.0	-21.5*	20.0
Tert-butyl ethyl ether	Ave	6.069	6.111		25.2	25.0	0.7	20.0
Ethyl acetate	Ave	1.581	1.565		49.5	50.0	-1.0	20.0
Propionitrile	Ave	0.2352	0.2723		289	250	15.8	20.0
Methacrylonitrile	Ave	1.144	1.070		234	250	-6.5	20.0
t-Amyl alcohol	Ave	0.1483	0.1703		287	250	14.8	20.0
Isooctane	Ave	5.572	4.413		19.8	25.0	-20.8*	20.0
Tert-amyl methyl ether	Ave	5.160	4.948		24.0	25.0	-4.1	20.0
1,4-Difluorobenzene	Ave	5.065	4.944		24.4	25.0	-2.4	20.0
n-Butanol	Ave	0.0344	0.0498		905	625	44.8*	20.0
Ethyl acrylate	Ave	4.226	2.519		14.9	25.0	-40.4*	20.0
Methyl methacrylate	Ave	1.735	1.518		43.8	50.0	-12.5	20.0
2-Nitropropane	Ave	0.5694	0.5180		45.5	50.0	-9.0	20.0
2-Methylthiophene	Ave	3.395	3.013		22.2	25.0	-11.2	20.0
3-Methylthiophene	Ave	3.419	3.195		23.4	25.0	-6.5	20.0
n-Butyl acetate	Ave	1.388	1.295	0.1000	23.3	25.0	-6.7	20.0
3-Chlorobenzotrifluoride	Ave	1.534	1.241		20.2	25.0	-19.1	20.0
1-Chlorohexane	Ave	1.014	0.8190		20.2	25.0	-19.2	20.0
4-Chlorobenzotrifluoride	Ave	1.452	1.299		22.4	25.0	-10.5	20.0
2-Chlorobenzotrifluoride	Ave	1.482	1.298		21.9	25.0	-12.5	20.0
Cyclohexanone	Ave	0.0299	0.0303		253	250	1.1	20.0
3-Chlorotoluene	Ave	1.130	1.013		22.4	25.0	-10.3	20.0
Pentachloroethane	Ave	0.5892	0.6270		26.6	25.0	6.4	20.0
1,2,3-Trimethylbenzene	Ave	4.270	3.893		22.8	25.0	-8.8	20.0
Dicyclopentadiene	Ave	1.370	1.099		20.1	25.0	-19.7	20.0
Benzyl chloride	Ave	0.3808	0.4558		29.9	25.0	19.7	20.0
1,3,5-Trichlorobenzene	Ave	1.636	1.600		24.5	25.0	-2.2	20.0
2-Methylnaphthalene	Ave	1.922	1.885		24.5	25.0	-1.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 22-Dec-2015 23:26:30 ALS Bottle#: 29 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccv
Misc. Info.: 480-0049508-003
Operator ID: SO Instrument ID: HP5973C
Sublist: chrom-C-8260*sub86

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 23:47:26 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: o'briens Date: 22-Dec-2015 23:47:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	142133	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	87	267346	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	93	272130	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	165251	25.0	22.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	105648	25.0	23.3	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	553931	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	196892	25.0	25.4	
11 Chlorodifluoromethane	51	4.483	4.483	0.000	97	158191	25.0	14.9	
148 Ethanol	45	6.416	6.416	0.000	99	102048	1000.0	1495.1	
24 Isopropyl alcohol	45	6.974	6.974	0.000	98	161345	250.0	325.7	
29 Acetonitrile	40	7.223	7.223	0.000	99	155689	250.0	295.3	
36 Isopropyl ether	45	7.875	7.875	0.000	95	782543	25.0	23.9	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	94	343884	25.0	19.6	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	868585	25.0	25.2	
42 Ethyl acetate	43	8.397	8.397	0.000	99	444902	50.0	49.5	
46 Propionitrile	54	8.539	8.539	0.000	99	387036	250.0	289.4	
47 Methacrylonitrile	41	8.646	8.646	0.000	92	1520638	250.0	233.7	
147 t-Amyl alcohol	59	9.037	9.037	0.000	95	242019	250.0	287.0	
152 Isooctane	57	9.108	9.108	0.000	97	627289	25.0	19.8	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	98	703205	25.0	24.0	
1 1,4-Difluorobenzene	114	9.405	9.405	0.000	96	702692	25.0	24.4	
60 n-Butanol	56	9.464	9.464	0.000	81	176956	625.0	905.3	
142 Ethyl acrylate	55	9.606	9.606	0.000	99	358080	25.0	14.9	
63 Methyl methacrylate	41	9.784	9.784	0.000	92	431534	50.0	43.8	
70 2-Nitropropane	43	10.235	10.235	0.000	99	147243	50.0	45.5	
76 2-Methylthiophene	97	10.768	10.768	0.000	97	819942	25.0	22.2	
78 3-Methylthiophene	97	10.899	10.899	0.000	100	869540	25.0	23.4	
155 n-Butyl acetate	43	11.065	11.065	0.000	98	352489	25.0	23.3	
85 3-Chlorobenzotrifluoride	180	11.610	11.610	0.000	93	337776	25.0	20.2	
146 1-Chlorohexane	55	11.634	11.634	0.000	95	218966	25.0	20.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	97	353529	25.0	22.4	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	96	353152	25.0	21.9	
96 Cyclohexanone	55	12.725	12.725	0.000	92	82306	250.0	252.8	
104 3-Chlorotoluene	126	13.057	13.057	0.000	98	275759	25.0	22.4	
108 Pentachloroethane	167	13.425	13.425	0.000	90	170634	25.0	26.6	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	99	1059512	25.0	22.8	
114 Dicyclopentadiene	66	13.828	13.828	0.000	97	299163	25.0	20.1	
150 Benzyl chloride	126	13.923	13.923	0.000	99	121858	25.0	29.9	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	98	435396	25.0	24.5	
149 2-Methylnaphthalene	142	18.536	18.536	0.000	93	512853	25.0	24.5	

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

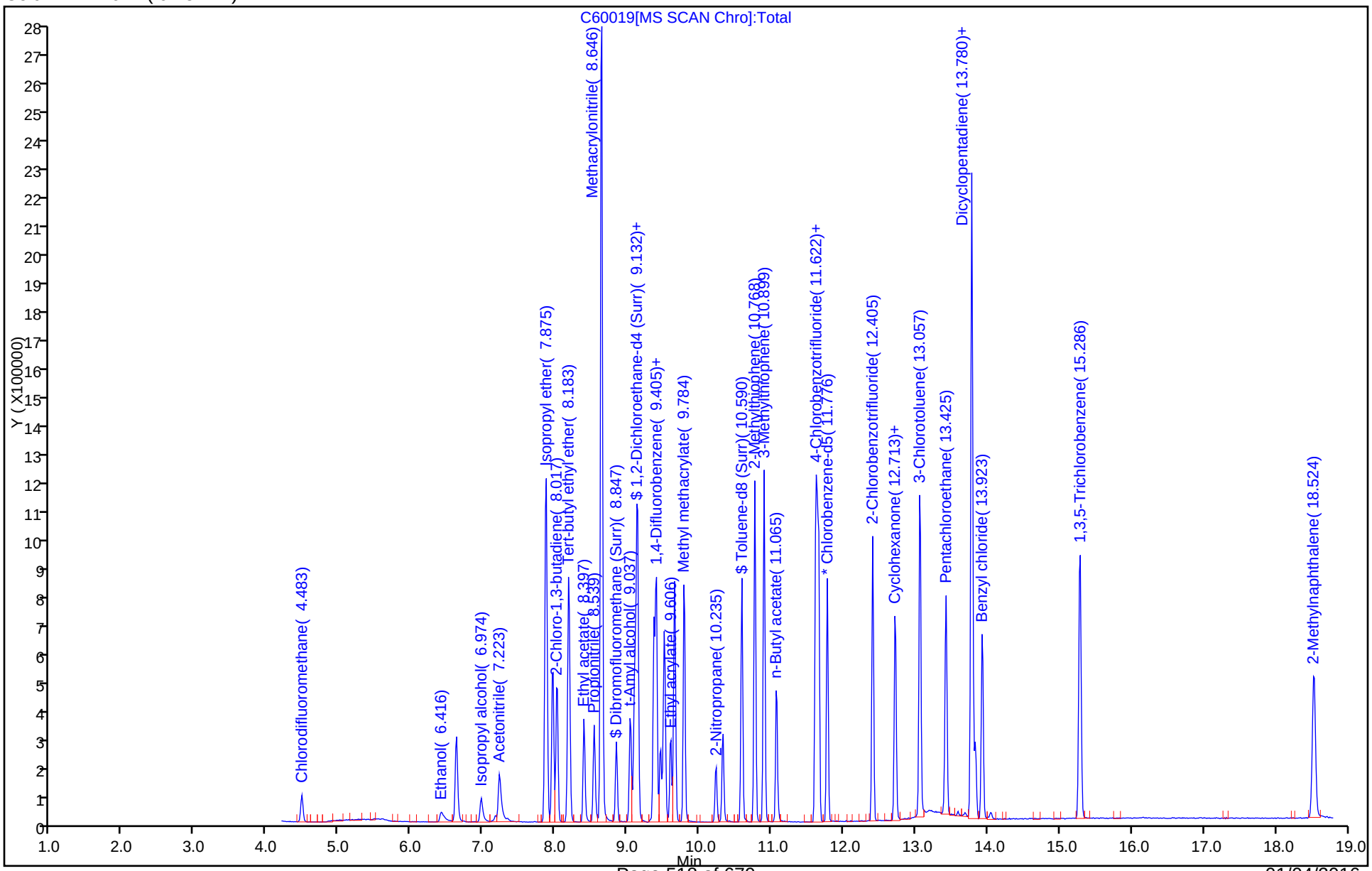
Report Date: 22-Dec-2015 23:47:31 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60019.D

Injection Date:	22-Dec-2015 23:26:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280267/3 Calibration Date: 12/17/2015 10:54

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2445.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.741	0.1000	54.8	50.0	9.5	50.0
Chloromethane	Ave	1.423	1.441	0.1000	50.6	50.0	1.3	20.0
Vinyl chloride	Ave	1.126	1.167	0.1000	51.8	50.0	3.7	20.0
Butadiene	Ave	1.035	1.165		56.3	50.0	12.6	20.0
Bromomethane	Ave	0.6478	0.6046	0.1000	46.7	50.0	-6.7	50.0
Chloroethane	Ave	0.7111	0.7207	0.1000	50.7	50.0	1.4	50.0
Dichlorofluoromethane	Ave	2.470	2.377		48.1	50.0	-3.8	20.0
Trichlorofluoromethane	Ave	1.997	2.323	0.1000	58.2	50.0	16.3	20.0
Ethyl ether	Ave	1.416	1.473		52.0	50.0	4.1	20.0
Acrolein	Ave	0.3039	0.3125		257	250	2.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.776	0.1000	53.3	50.0	6.5	20.0
1,1-Dichloroethene	Ave	1.668	1.684	0.1000	50.5	50.0	1.0	20.0
Acetone	Ave	0.5730	0.7168	0.1000	313	250	25.1	50.0
Iodomethane	Ave	2.547	2.651		52.0	50.0	4.1	20.0
Methyl acetate	Ave	1.313	1.386	0.1000	264	250	5.6	50.0
Carbon disulfide	Ave	5.168	5.485	0.1000	53.1	50.0	6.1	20.0
Allyl chloride	Ave	2.761	2.909		52.7	50.0	5.4	20.0
Methylene Chloride	Lin1		1.625	0.1000	56.0	50.0	12.1	20.0
2-Methyl-2-propanol	Ave	0.1862	0.2123		570	500	14.0	50.0
Methyl tert-butyl ether	Ave	4.451	4.505	0.1000	50.6	50.0	1.2	20.0
Acrylonitrile	Ave	0.6006	0.6343		528	500	5.6	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.432	0.1000	50.9	50.0	1.7	20.0
Hexane	Ave	2.756	2.714		49.2	50.0	-1.6	20.0
Vinyl acetate	Ave	3.377	3.879		115	100	14.9	20.0
1,1-Dichloroethane	Ave	3.128	3.142	0.2000	50.2	50.0	0.4	20.0
2-Butanone (MEK)	Ave	0.8452	0.9616	0.1000	284	250	13.8	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.519	0.1000	49.7	50.0	-0.5	20.0
2,2-Dichloropropane	Ave	2.140	2.239		52.3	50.0	4.6	20.0
Chlorobromomethane	Ave	0.7304	0.7385		50.6	50.0	1.1	20.0
Tetrahydrofuran	Ave	0.5503	0.5777		105	100	5.0	20.0
Chloroform	Ave	2.693	2.731	0.2000	50.7	50.0	1.4	20.0
1,1,1-Trichloroethane	Ave	1.791	1.967	0.1000	54.9	50.0	9.9	20.0
Cyclohexane	Ave	3.194	3.363	0.1000	52.7	50.0	5.3	20.0
Isobutyl alcohol	Ave	0.0811	0.0930		1430	1250	14.7	50.0
1,1-Dichloropropene	Ave	1.976	2.048		51.8	50.0	3.7	20.0
Carbon tetrachloride	Ave	1.996	2.247	0.1000	56.3	50.0	12.6	20.0
Benzene	Ave	5.514	5.624	0.5000	51.0	50.0	2.0	20.0
1,2-Dichloroethane	Ave	2.489	2.441	0.1000	49.0	50.0	-1.9	20.0
n-Heptane	Ave	2.915	3.048		52.3	50.0	4.6	20.0
Trichloroethene	Ave	1.493	1.479	0.2000	49.5	50.0	-0.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280267/3 Calibration Date: 12/17/2015 10:54

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2445.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.742	0.1000	53.6	50.0	7.2	20.0
1,2-Dichloropropane	Ave	1.601	1.599	0.1000	50.0	50.0	-0.0	20.0
1,4-Dioxane	Ave	0.0061	0.0065		1060	1000	5.9	50.0
Dibromomethane	Ave	0.8832	0.9053	0.1000	51.3	50.0	2.5	20.0
Bromodichloromethane	Ave	2.008	2.060	0.2000	51.3	50.0	2.6	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.7135		121	50.0	141.2*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.451	0.2000	52.7	50.0	5.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.9235	0.1000	279	250	11.5	20.0
Toluene	Ave	1.776	1.660	0.4000	46.7	50.0	-6.5	20.0
Ethyl methacrylate	Ave	0.7749	0.8479		54.7	50.0	9.4	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.085	0.1000	53.2	50.0	6.4	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.5067	0.1000	52.1	50.0	4.1	20.0
Tetrachloroethene	Ave	0.6818	0.6935	0.2000	50.9	50.0	1.7	20.0
2-Hexanone	Ave	0.5703	0.6483	0.1000	284	250	13.7	20.0
1,3-Dichloropropane	Ave	0.9875	0.998		50.5	50.0	1.0	20.0
Dibromochloromethane	Ave	0.6656	0.7302	0.1000	54.8	50.0	9.7	20.0
1,2-Dibromoethane	Ave	0.6363	0.6523		51.3	50.0	2.5	20.0
Chlorobenzene	Ave	1.935	1.962	0.5000	50.7	50.0	1.4	20.0
Ethylbenzene	Ave	3.077	3.174	0.1000	51.6	50.0	3.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6786		51.7	50.0	3.3	20.0
m,p-Xylene	Ave	1.304	1.326	0.1000	50.8	50.0	1.6	20.0
o-Xylene	Ave	1.313	1.325	0.3000	50.5	50.0	0.9	20.0
Styrene	Ave	2.033	2.066	0.3000	50.8	50.0	1.7	20.0
Bromoform	Ave	0.4187	0.4715	0.1000	56.3	50.0	12.6	50.0
Isopropylbenzene	Ave	3.544	3.689	0.1000	52.0	50.0	4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8903	0.3000	53.1	50.0	6.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3727		56.2	50.0	12.3	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2478		50.1	50.0	0.3	20.0
Bromobenzene	Ave	0.8785	0.8390		47.8	50.0	-4.5	20.0
N-Propylbenzene	Ave	3.907	4.060		52.0	50.0	3.9	20.0
2-Chlorotoluene	Ave	0.7886	0.7828		49.6	50.0	-0.7	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.004		50.3	50.0	0.7	20.0
4-Chlorotoluene	Ave	0.8449	0.8530		50.5	50.0	1.0	20.0
tert-Butylbenzene	Ave	0.6316	0.6420		50.8	50.0	1.6	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.252		51.3	50.0	2.7	20.0
sec-Butylbenzene	Ave	3.900	4.151		53.2	50.0	6.4	20.0
4-Isopropyltoluene	Ave	3.235	3.377		52.2	50.0	4.4	20.0
1,3-Dichlorobenzene	Ave	1.685	1.662	0.6000	49.3	50.0	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.631	1.579	0.5000	48.4	50.0	-3.2	20.0
n-Butylbenzene	Ave	3.083	3.309		53.7	50.0	7.3	20.0
1,2-Dichlorobenzene	Ave	1.684	1.668	0.4000	49.5	50.0	-0.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280267/3 Calibration Date: 12/17/2015 10:54

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2445.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1949	0.0500	53.1	50.0	6.3	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.263	0.2000	53.3	50.0	6.6	20.0
Hexachlorobutadiene	Ave	1.314	1.396		53.1	50.0	6.3	20.0
Naphthalene	Ave	4.812	5.522		57.4	50.0	14.7	20.0
1,2,3-Trichlorobenzene	Ave	1.970	2.185		55.5	50.0	10.9	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.370		53.5	50.0	7.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8248		53.4	50.0	6.7	20.0
Toluene-d8 (Surr)	Ave	2.187	2.291		52.4	50.0	4.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7742		50.8	50.0	1.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2445.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Dec-2015 10:54:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049333-003
Operator ID: CDC Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 11:22:31 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 11:22:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	357829	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.836	13.836	0.000	88	731860	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	96	694036	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	92	490111	50.0	53.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	295132	50.0	53.4	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1676885	50.0	52.4	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	566587	50.0	50.8	
10 Dichlorodifluoromethane	85	4.042	4.042	0.000	99	622941	50.0	54.8	
11 Chloromethane	50	4.340	4.340	0.000	99	515695	50.0	50.6	
17 Vinyl chloride	62	4.577	4.577	0.000	97	417610	50.0	51.8	
149 Butadiene	54	4.595	4.595	0.000	97	416802	50.0	56.3	
12 Bromomethane	94	5.125	5.125	0.000	93	216341	50.0	46.7	
13 Chloroethane	64	5.246	5.246	0.000	96	257887	50.0	50.7	
19 Dichlorofluoromethane	67	5.563	5.563	0.000	98	850394	50.0	48.1	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	99	831336	50.0	58.2	
20 Ethyl ether	59	5.964	5.964	0.000	97	527104	50.0	52.0	
22 Acrolein	56	6.220	6.220	0.000	98	559061	250.0	257.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.311	0.000	94	635337	50.0	53.3	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	93	602750	50.0	50.5	
24 Acetone	43	6.396	6.396	0.000	98	1282520	250.0	312.8	
18 Iodomethane	142	6.633	6.633	0.000	99	948761	50.0	52.0	
30 Methyl acetate	43	6.767	6.767	0.000	100	2479593	250.0	263.9	
27 Carbon disulfide	76	6.779	6.779	0.000	100	1962615	50.0	53.1	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	90	1040869	50.0	52.7	
31 Methylene Chloride	84	6.986	6.986	0.000	94	581303	50.0	56.0	
33 2-Methyl-2-propanol	59	6.999	6.999	0.000	97	759510	500.0	569.9	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1612134	50.0	50.6	
34 Acrylonitrile	53	7.272	7.272	0.000	97	2269701	500.0	528.1	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	93	512539	50.0	50.9	
36 Hexane	57	7.534	7.534	0.000	95	971004	50.0	49.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2776023	100.0	114.9	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	1124314	50.0	50.2	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1720358	250.0	284.4	
43 cis-1,2-Dichloroethene	96	8.525	8.525	0.000	87	543511	50.0	49.7	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	92	801038	50.0	52.3	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	264264	50.0	50.6	
51 Tetrahydrofuran	42	8.872	8.872	0.000	92	413462	100.0	105.0	
49 Chloroform	83	8.878	8.878	0.000	96	977371	50.0	50.7	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	703838	50.0	54.9	
54 Cyclohexane	56	9.213	9.213	0.000	95	1203554	50.0	52.7	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	832187	1250.0	1434.2	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	732981	50.0	51.8	
55 Carbon tetrachloride	117	9.347	9.347	0.000	97	804187	50.0	56.3	
57 Benzene	78	9.596	9.596	0.000	98	2012581	50.0	51.0	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	97	873605	50.0	49.0	
59 n-Heptane	43	9.718	9.718	0.000	97	1090827	50.0	52.3	
62 Trichloroethene	95	10.351	10.351	0.000	95	529244	50.0	49.5	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	981015	50.0	53.6	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	92	572325	50.0	50.0	
68 1,4-Dioxane	88	10.782	10.782	0.000	96	95244	1000.0	1059.3	
69 Dibromomethane	93	10.855	10.855	0.000	96	323931	50.0	51.3	
70 Dichlorobromomethane	83	10.989	10.989	0.000	97	737222	50.0	51.3	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	255302	50.0	120.6	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	877136	50.0	52.7	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	3379484	250.0	278.7	
76 Toluene	92	11.969	11.969	0.000	97	1215058	50.0	46.7	
77 Ethyl methacrylate	69	12.194	12.194	0.000	95	620530	50.0	54.7	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	96	793804	50.0	53.2	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	370837	50.0	52.1	
80 Tetrachloroethene	166	12.711	12.711	0.000	92	507549	50.0	50.9	
83 2-Hexanone	43	12.723	12.723	0.000	99	2372340	250.0	284.2	
82 1,3-Dichloropropane	76	12.754	12.754	0.000	98	730194	50.0	50.5	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	534402	50.0	54.8	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	477412	50.0	51.3	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1436037	50.0	50.7	
89 Ethylbenzene	91	13.946	13.946	0.000	98	2322930	50.0	51.6	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	92	496606	50.0	51.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	970190	50.0	50.8	
93 o-Xylene	106	14.633	14.633	0.000	97	969816	50.0	50.5	
94 Styrene	104	14.652	14.652	0.000	93	1512233	50.0	50.8	
92 Bromoform	173	15.004	15.004	0.000	95	345057	50.0	56.3	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	2560015	50.0	52.0	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	617896	50.0	53.1	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	83	258666	50.0	56.2	
100 Bromobenzene	156	15.595	15.595	0.000	92	582290	50.0	47.8	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	71	172012	50.0	50.1	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2817662	50.0	52.0	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	543319	50.0	49.6	
102 1,3,5-Trimethylbenzene	105	15.801	15.801	0.000	94	2085225	50.0	50.3	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	591995	50.0	50.5	
106 tert-Butylbenzene	134	16.239	16.239	0.000	94	445566	50.0	50.8	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	2256894	50.0	51.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2880796	50.0	53.2	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2343920	50.0	52.2	
110 1,3-Dichlorobenzene	146	16.750	16.750	0.000	96	1153797	50.0	49.3	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1095608	50.0	48.4	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2296324	50.0	53.7	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	1157927	50.0	49.5	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	135241	50.0	53.1	
119 1,2,4-Trichlorobenzene	180	19.403	19.403	0.000	94	876324	50.0	53.3	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	499602	50.0	53.1	
121 Naphthalene	128	19.811	19.811	0.000	97	1975880	50.0	57.4	
122 1,2,3-Trichlorobenzene	180	20.169	20.169	0.000	95	781701	50.0	55.5	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00126	Amount Added: 25.00	Units: uL	
P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

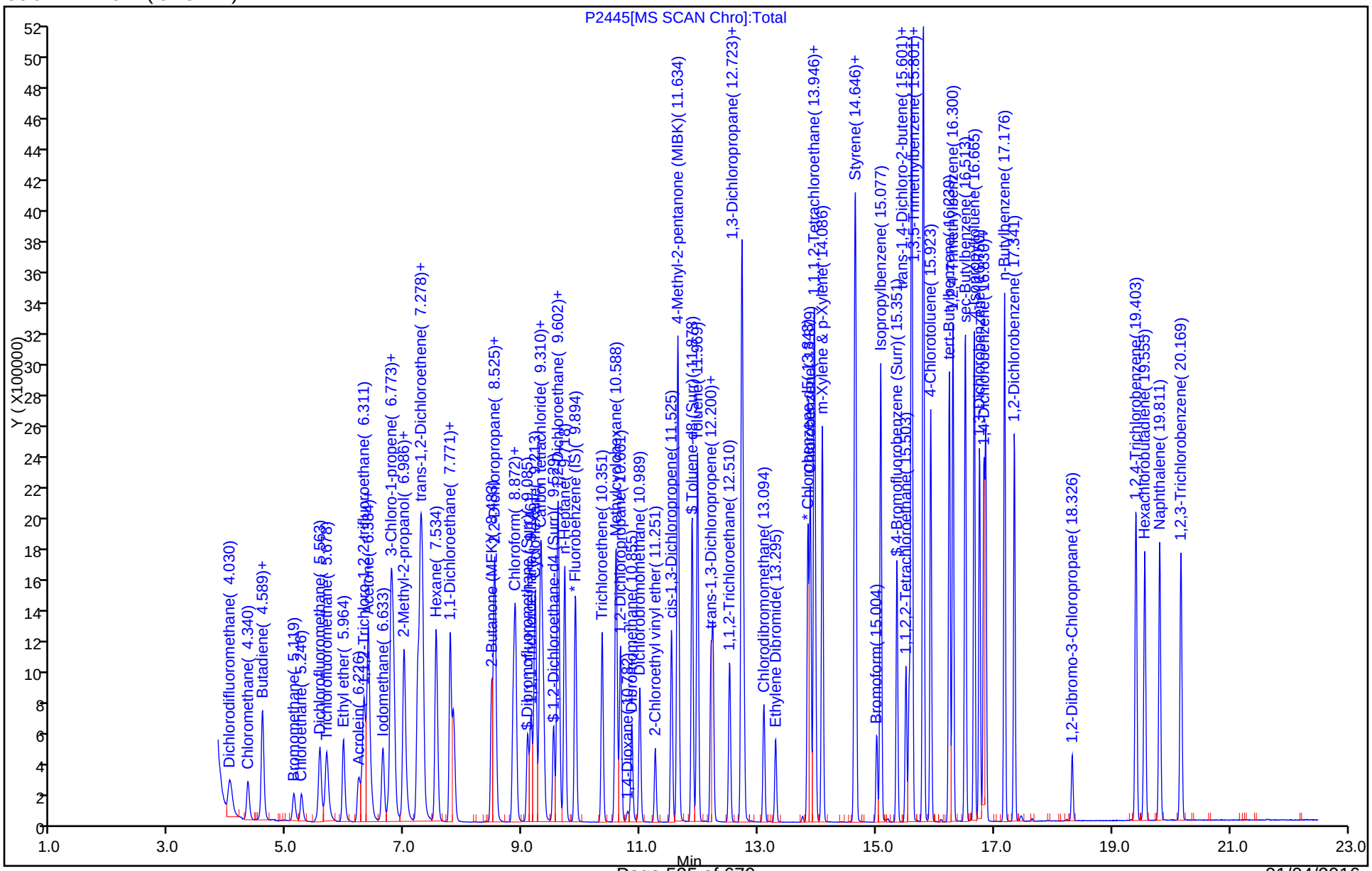
Report Date: 17-Dec-2015 11:22:33 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2445.D

Injection Date:	17-Dec-2015 10:54:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280424/2 Calibration Date: 12/17/2015 23:38

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2471.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	2.200	0.1000	69.2	50.0	38.4	50.0
Chloromethane	Ave	1.423	1.615	0.1000	56.8	50.0	13.5	20.0
Vinyl chloride	Ave	1.126	1.288	0.1000	57.2	50.0	14.4	20.0
Butadiene	Ave	1.035	1.298		62.7	50.0	25.4*	20.0
Bromomethane	Ave	0.6478	0.6860	0.1000	52.9	50.0	5.9	50.0
Chloroethane	Ave	0.7111	0.8447	0.1000	59.4	50.0	18.8	50.0
Dichlorofluoromethane	Ave	2.470	2.748		55.6	50.0	11.3	20.0
Trichlorofluoromethane	Ave	1.997	2.777	0.1000	69.5	50.0	39.0*	20.0
Ethyl ether	Ave	1.416	1.442		50.9	50.0	1.9	20.0
Acrolein	Ave	0.3039	0.3140		258	250	3.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.851	0.1000	55.5	50.0	11.0	20.0
1,1-Dichloroethene	Ave	1.668	1.710	0.1000	51.3	50.0	2.6	20.0
Acetone	Ave	0.5730	0.7016	0.1000	306	250	22.4	50.0
Iodomethane	Ave	2.547	2.645		51.9	50.0	3.8	20.0
Methyl acetate	Ave	1.313	1.377	0.1000	262	250	4.9	50.0
Carbon disulfide	Ave	5.168	5.655	0.1000	54.7	50.0	9.4	20.0
Allyl chloride	Ave	2.761	2.956		53.5	50.0	7.1	20.0
Methylene Chloride	Lin1		1.640	0.1000	56.6	50.0	13.2	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1931		519	500	3.7	50.0
Methyl tert-butyl ether	Ave	4.451	4.428	0.1000	49.7	50.0	-0.5	20.0
Acrylonitrile	Ave	0.6006	0.6314		526	500	5.1	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.466	0.1000	52.1	50.0	4.1	20.0
Hexane	Ave	2.756	2.709		49.1	50.0	-1.7	20.0
Vinyl acetate	Ave	3.377	3.855		114	100	14.2	20.0
1,1-Dichloroethane	Ave	3.128	3.179	0.2000	50.8	50.0	1.6	20.0
2-Butanone (MEK)	Ave	0.8452	0.9317	0.1000	276	250	10.2	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.520	0.1000	49.8	50.0	-0.4	20.0
2,2-Dichloropropane	Ave	2.140	2.347		54.8	50.0	9.7	20.0
Chlorobromomethane	Ave	0.7304	0.7202		49.3	50.0	-1.4	20.0
Tetrahydrofuran	Ave	0.5503	0.5631		102	100	2.3	20.0
Chloroform	Ave	2.693	2.766	0.2000	51.4	50.0	2.7	20.0
1,1,1-Trichloroethane	Ave	1.791	2.072	0.1000	57.9	50.0	15.7	20.0
Cyclohexane	Ave	3.194	3.421	0.1000	53.6	50.0	7.1	20.0
Isobutyl alcohol	Ave	0.0811	0.0839		1290	1250	3.5	50.0
1,1-Dichloropropene	Ave	1.976	2.115		53.5	50.0	7.0	20.0
Carbon tetrachloride	Ave	1.996	2.344	0.1000	58.7	50.0	17.4	20.0
Benzene	Ave	5.514	5.696	0.5000	51.6	50.0	3.3	20.0
1,2-Dichloroethane	Ave	2.489	2.421	0.1000	48.6	50.0	-2.8	20.0
n-Heptane	Ave	2.915	3.130		53.7	50.0	7.4	20.0
Trichloroethene	Ave	1.493	1.509	0.2000	50.5	50.0	1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280424/2 Calibration Date: 12/17/2015 23:38

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2471.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.790	0.1000	54.5	50.0	9.1	20.0
1,2-Dichloropropane	Ave	1.601	1.557	0.1000	48.6	50.0	-2.8	20.0
1,4-Dioxane	Ave	0.0061	0.0059		959	1000	-4.1	50.0
Dibromomethane	Ave	0.8832	0.8930	0.1000	50.6	50.0	1.1	20.0
Bromodichloromethane	Ave	2.008	2.063	0.2000	51.4	50.0	2.7	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6903		117	50.0	133.3*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.357	0.2000	50.7	50.0	1.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.9117	0.1000	275	250	10.1	20.0
Toluene	Ave	1.776	1.675	0.4000	47.2	50.0	-5.7	20.0
Ethyl methacrylate	Ave	0.7749	0.8086		52.2	50.0	4.3	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.074	0.1000	52.7	50.0	5.4	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4981	0.1000	51.2	50.0	2.3	20.0
Tetrachloroethene	Ave	0.6818	0.6993	0.2000	51.3	50.0	2.6	20.0
2-Hexanone	Ave	0.5703	0.6374	0.1000	279	250	11.8	20.0
1,3-Dichloropropane	Ave	0.9875	0.9929		50.3	50.0	0.5	20.0
Dibromochloromethane	Ave	0.6656	0.7148	0.1000	53.7	50.0	7.4	20.0
1,2-Dibromoethane	Ave	0.6363	0.6350		49.9	50.0	-0.2	20.0
Chlorobenzene	Ave	1.935	1.947	0.5000	50.3	50.0	0.7	20.0
Ethylbenzene	Ave	3.077	3.164	0.1000	51.4	50.0	2.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6818		51.9	50.0	3.8	20.0
m,p-Xylene	Ave	1.304	1.315	0.1000	50.4	50.0	0.8	20.0
o-Xylene	Ave	1.313	1.292	0.3000	49.2	50.0	-1.6	20.0
Styrene	Ave	2.033	2.038	0.3000	50.1	50.0	0.3	20.0
Bromoform	Ave	0.4187	0.4521	0.1000	54.0	50.0	8.0	50.0
Isopropylbenzene	Ave	3.544	3.764	0.1000	53.1	50.0	6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8955	0.3000	53.4	50.0	6.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3674		55.4	50.0	10.7	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2515		50.9	50.0	1.8	20.0
Bromobenzene	Ave	0.8785	0.8447		48.1	50.0	-3.8	20.0
N-Propylbenzene	Ave	3.907	4.164		53.3	50.0	6.6	20.0
2-Chlorotoluene	Ave	0.7886	0.7787		49.4	50.0	-1.3	20.0
1,3,5-Trimethylbenzene	Ave	2.985	3.062		51.3	50.0	2.6	20.0
4-Chlorotoluene	Ave	0.8449	0.8687		51.4	50.0	2.8	20.0
tert-Butylbenzene	Ave	0.6316	0.6547		51.8	50.0	3.7	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.268		51.6	50.0	3.2	20.0
sec-Butylbenzene	Ave	3.900	4.227		54.2	50.0	8.4	20.0
4-Isopropyltoluene	Ave	3.235	3.400		52.5	50.0	5.1	20.0
1,3-Dichlorobenzene	Ave	1.685	1.652	0.6000	49.0	50.0	-1.9	20.0
1,4-Dichlorobenzene	Ave	1.631	1.582	0.5000	48.5	50.0	-3.0	20.0
n-Butylbenzene	Ave	3.083	3.296		53.5	50.0	6.9	20.0
1,2-Dichlorobenzene	Ave	1.684	1.641	0.4000	48.7	50.0	-2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280424/2 Calibration Date: 12/17/2015 23:38

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2471.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1904	0.0500	51.9	50.0	3.9	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.152	0.2000	48.7	50.0	-2.7	20.0
Hexachlorobutadiene	Ave	1.314	1.270		48.3	50.0	-3.3	20.0
Naphthalene	Ave	4.812	4.771		49.6	50.0	-0.9	20.0
1,2,3-Trichlorobenzene	Ave	1.970	1.871		47.5	50.0	-5.0	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.362		53.2	50.0	6.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8226		53.2	50.0	6.5	20.0
Toluene-d8 (Surr)	Ave	2.187	2.273		51.9	50.0	3.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7384		48.5	50.0	-3.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2471.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Dec-2015 23:38:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049361-002
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 00:23:12 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 00:23:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	339903	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.837	13.837	0.000	89	697435	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	96	641038	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.079	9.079	0.000	92	462925	50.0	53.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	279616	50.0	53.2	
$ 5 Toluene-d8 (Surr)	98	11.872	11.872	0.000	93	1584978	50.0	51.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	515009	50.0	48.5	
10 Dichlorodifluoromethane	85	4.024	4.024	0.000	99	747715	50.0	69.2	
11 Chloromethane	50	4.334	4.334	0.000	99	548995	50.0	56.8	
17 Vinyl chloride	62	4.565	4.565	0.000	98	437663	50.0	57.2	
149 Butadiene	54	4.583	4.583	0.000	97	441217	50.0	62.7	
12 Bromomethane	94	5.113	5.113	0.000	95	233175	50.0	52.9	
13 Chloroethane	64	5.240	5.240	0.000	96	287112	50.0	59.4	
19 Dichlorofluoromethane	67	5.551	5.551	0.000	98	934146	50.0	55.6	
14 Trichlorofluoromethane	101	5.660	5.660	0.000	98	943867	50.0	69.5	
20 Ethyl ether	59	5.958	5.958	0.000	99	490264	50.0	50.9	
22 Acrolein	56	6.208	6.208	0.000	98	533670	250.0	258.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	95	629040	50.0	55.5	
25 1,1-Dichloroethene	96	6.366	6.366	0.000	93	581364	50.0	51.3	
24 Acetone	43	6.384	6.384	0.000	98	1192418	250.0	306.1	
18 Iodomethane	142	6.621	6.621	0.000	99	898975	50.0	51.9	
30 Methyl acetate	43	6.761	6.761	0.000	100	2340377	250.0	262.2	
27 Carbon disulfide	76	6.767	6.767	0.000	63	1922119	50.0	54.7	
28 3-Chloro-1-propene	41	6.798	6.798	0.000	91	1004680	50.0	53.5	
31 Methylene Chloride	84	6.980	6.980	0.000	94	557344	50.0	56.6	
33 2-Methyl-2-propanol	59	6.993	6.993	0.000	97	656463	500.0	518.6	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1505063	50.0	49.7	
34 Acrylonitrile	53	7.266	7.266	0.000	96	2146276	500.0	525.7	
35 trans-1,2-Dichloroethene	96	7.297	7.297	0.000	93	498172	50.0	52.1	
36 Hexane	57	7.528	7.528	0.000	95	920738	50.0	49.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.765	7.765	0.000	97	2620477	100.0	114.2	
40 1,1-Dichloroethane	63	7.820	7.820	0.000	97	1080674	50.0	50.8	
44 2-Butanone (MEK)	43	8.471	8.471	0.000	98	1583362	250.0	275.6	
43 cis-1,2-Dichloroethene	96	8.519	8.519	0.000	87	516671	50.0	49.8	
45 2,2-Dichloropropane	77	8.526	8.526	0.000	90	797688	50.0	54.8	
50 Chlorobromomethane	128	8.836	8.836	0.000	91	244793	50.0	49.3	
51 Tetrahydrofuran	42	8.866	8.866	0.000	90	382792	100.0	102.3	
49 Chloroform	83	8.878	8.878	0.000	96	940289	50.0	51.4	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	97	704378	50.0	57.9	
54 Cyclohexane	56	9.207	9.207	0.000	96	1162872	50.0	53.6	
53 Isobutyl alcohol	43	9.286	9.286	0.000	95	713026	1250.0	1293.7	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	90	718742	50.0	53.5	
55 Carbon tetrachloride	117	9.347	9.347	0.000	97	796589	50.0	58.7	
57 Benzene	78	9.590	9.590	0.000	98	1935968	50.0	51.6	
60 1,2-Dichloroethane	62	9.615	9.615	0.000	96	822756	50.0	48.6	
59 n-Heptane	43	9.712	9.712	0.000	97	1064021	50.0	53.7	
62 Trichloroethene	95	10.351	10.351	0.000	95	513023	50.0	50.5	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	948242	50.0	54.5	
63 1,2-Dichloropropane	63	10.655	10.655	0.000	91	529126	50.0	48.6	
68 1,4-Dioxane	88	10.783	10.783	0.000	97	82146	1000.0	958.7	
69 Dibromomethane	93	10.849	10.849	0.000	96	303547	50.0	50.6	
70 Dichlorobromomethane	83	10.983	10.983	0.000	97	701266	50.0	51.4	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	91	234631	50.0	116.7	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	90	801296	50.0	50.7	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	3179337	250.0	275.2	
76 Toluene	92	11.969	11.969	0.000	97	1168217	50.0	47.2	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	563926	50.0	52.2	
78 trans-1,3-Dichloropropene	75	12.224	12.224	0.000	99	748986	50.0	52.7	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	347388	50.0	51.2	
80 Tetrachloroethene	166	12.711	12.711	0.000	92	487693	50.0	51.3	
83 2-Hexanone	43	12.723	12.723	0.000	99	2222542	250.0	279.4	
82 1,3-Dichloropropane	76	12.748	12.748	0.000	98	692476	50.0	50.3	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	498550	50.0	53.7	
85 Ethylene Dibromide	107	13.289	13.289	0.000	99	442896	50.0	49.9	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1358192	50.0	50.3	
89 Ethylbenzene	91	13.946	13.946	0.000	98	2206424	50.0	51.4	
88 1,1,1,2-Tetrachloroethane	131	13.958	13.958	0.000	93	475490	50.0	51.9	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	916908	50.0	50.4	
93 o-Xylene	106	14.633	14.633	0.000	98	901297	50.0	49.2	
94 Styrene	104	14.652	14.652	0.000	95	1421392	50.0	50.1	
92 Bromoform	173	15.011	15.011	0.000	95	315289	50.0	54.0	
95 Isopropylbenzene	105	15.078	15.078	0.000	97	2412830	50.0	53.1	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	574029	50.0	53.4	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	81	235538	50.0	55.4	
100 Bromobenzene	156	15.595	15.595	0.000	93	541482	50.0	48.1	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	76	161201	50.0	50.9	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2668963	50.0	53.3	
103 2-Chlorotoluene	126	15.795	15.795	0.000	94	499181	50.0	49.4	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	1962554	50.0	51.3	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	556877	50.0	51.4	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	419711	50.0	51.8	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	2094719	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2709721	50.0	54.2	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2179377	50.0	52.5	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	1059147	50.0	49.0	
111 1,4-Dichlorobenzene	146	16.854	16.854	0.000	92	1014029	50.0	48.5	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2113103	50.0	53.5	
116 1,2-Dichlorobenzene	146	17.347	17.347	0.000	95	1051984	50.0	48.7	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	122062	50.0	51.9	
119 1,2,4-Trichlorobenzene	180	19.403	19.403	0.000	93	738785	50.0	48.7	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	431808	50.0	48.3	
121 Naphthalene	128	19.811	19.811	0.000	98	1621634	50.0	49.6	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	94	636022	50.0	47.5	

Reagents:

8260 CORP mix_00060	Amount Added: 25.00	Units: uL	
GAS CORP mix_00126	Amount Added: 25.00	Units: uL	
P 8260 IS_00118	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added: 1.00	Units: uL	Run Reagent

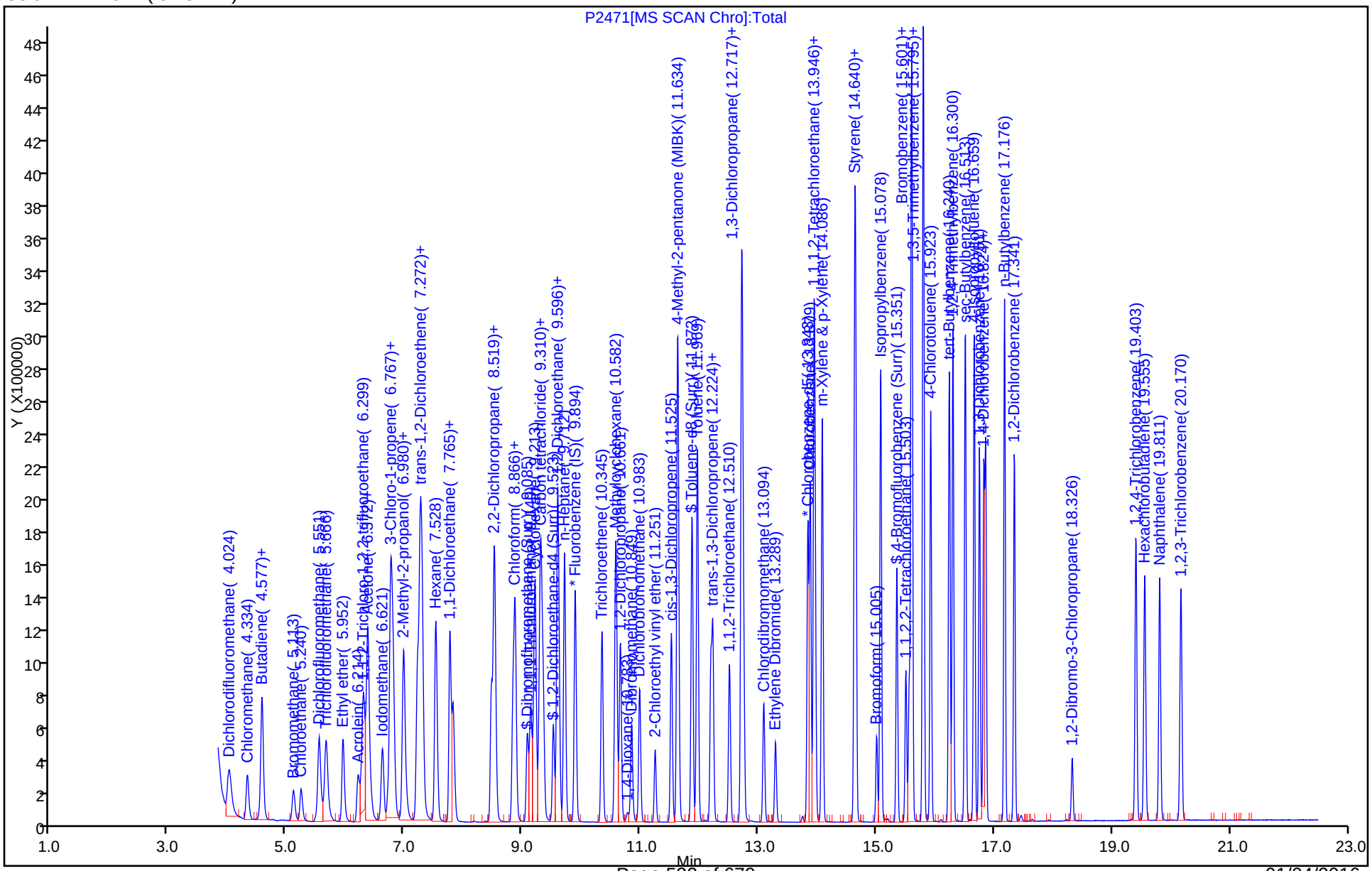
Report Date: 18-Dec-2015 00:23:14 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2471.D

Injection Date:	17-Dec-2015 23:38:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280926/4 Calibration Date: 12/21/2015 22:51

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2530.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.590	1.946	0.1000	61.2	50.0	22.4	50.0
Chloromethane	Ave	1.423	1.503	0.1000	52.8	50.0	5.7	20.0
Vinyl chloride	Ave	1.126	1.149	0.1000	51.0	50.0	2.0	20.0
Butadiene	Ave	1.035	1.165		56.3	50.0	12.6	20.0
Bromomethane	Ave	0.6478	0.5975	0.1000	46.1	50.0	-7.8	50.0
Chloroethane	Ave	0.7111	0.7337	0.1000	51.6	50.0	3.2	50.0
Dichlorofluoromethane	Ave	2.470	2.470		50.0	50.0	0.0	20.0
Trichlorofluoromethane	Ave	1.997	2.506	0.1000	62.7	50.0	25.5*	20.0
Ethyl ether	Ave	1.416	1.389		49.1	50.0	-1.8	20.0
Acrolein	Ave	0.3039	0.2932		241	250	-3.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.667	1.705	0.1000	51.2	50.0	2.3	20.0
1,1-Dichloroethene	Ave	1.668	1.628	0.1000	48.8	50.0	-2.4	20.0
Acetone	Ave	0.5730	0.6855	0.1000	299	250	19.6	50.0
Iodomethane	Ave	2.547	2.497		49.0	50.0	-2.0	20.0
Methyl acetate	Ave	1.313	1.298	0.1000	247	250	-1.1	50.0
Carbon disulfide	Ave	5.168	5.270	0.1000	51.0	50.0	2.0	20.0
Allyl chloride	Ave	2.761	2.828		51.2	50.0	2.4	20.0
Methylene Chloride	Lin1		1.547	0.1000	53.2	50.0	6.5	20.0
2-Methyl-2-propanol	Ave	0.1862	0.1932		519	500	3.8	50.0
Methyl tert-butyl ether	Ave	4.451	4.169	0.1000	46.8	50.0	-6.3	20.0
Acrylonitrile	Ave	0.6006	0.5940		494	500	-1.1	20.0
trans-1,2-Dichloroethene	Ave	1.408	1.379	0.1000	49.0	50.0	-2.0	20.0
Hexane	Ave	2.756	2.592		47.0	50.0	-6.0	20.0
Vinyl acetate	Ave	3.377	3.648		108	100	8.0	20.0
1,1-Dichloroethane	Ave	3.128	2.989	0.2000	47.8	50.0	-4.4	20.0
2-Butanone (MEK)	Ave	0.8452	0.8948	0.1000	265	250	5.9	20.0
cis-1,2-Dichloroethene	Ave	1.527	1.457	0.1000	47.7	50.0	-4.5	20.0
2,2-Dichloropropane	Ave	2.140	2.172		50.8	50.0	1.5	20.0
Chlorobromomethane	Ave	0.7304	0.6864		47.0	50.0	-6.0	20.0
Tetrahydrofuran	Ave	0.5503	0.5382		97.8	100	-2.2	20.0
Chloroform	Ave	2.693	2.605	0.2000	48.4	50.0	-3.2	20.0
1,1,1-Trichloroethane	Ave	1.791	1.874	0.1000	52.3	50.0	4.7	20.0
Cyclohexane	Ave	3.194	3.211	0.1000	50.3	50.0	0.5	20.0
Isobutyl alcohol	Ave	0.0811	0.0829		1280	1250	2.3	50.0
1,1-Dichloropropene	Ave	1.976	1.980		50.1	50.0	0.2	20.0
Carbon tetrachloride	Ave	1.996	2.185	0.1000	54.7	50.0	9.5	20.0
Benzene	Ave	5.514	5.373	0.5000	48.7	50.0	-2.6	20.0
1,2-Dichloroethane	Ave	2.489	2.253	0.1000	45.2	50.0	-9.5	20.0
n-Heptane	Ave	2.915	2.952		50.6	50.0	1.3	20.0
Trichloroethene	Ave	1.493	1.408	0.2000	47.2	50.0	-5.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280926/4 Calibration Date: 12/21/2015 22:51

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2530.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.558	2.603	0.1000	50.9	50.0	1.7	20.0
1,2-Dichloropropane	Ave	1.601	1.494	0.1000	46.7	50.0	-6.7	20.0
1,4-Dioxane	Ave	0.0061	0.0063		1020	1000	1.9	50.0
Dibromomethane	Ave	0.8832	0.8407	0.1000	47.6	50.0	-4.8	20.0
Bromodichloromethane	Ave	2.008	1.920	0.2000	47.8	50.0	-4.4	20.0
2-Chloroethyl vinyl ether	Ave	0.2959	0.6007		102	50.0	103.0*	20.0
cis-1,3-Dichloropropene	Ave	2.326	2.275	0.2000	48.9	50.0	-2.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8284	0.8463	0.1000	255	250	2.2	20.0
Toluene	Ave	1.776	1.584	0.4000	44.6	50.0	-10.8	20.0
Ethyl methacrylate	Ave	0.7749	0.7632		49.2	50.0	-1.5	20.0
trans-1,3-Dichloropropene	Ave	1.019	1.010	0.1000	49.5	50.0	-0.9	20.0
1,1,2-Trichloroethane	Ave	0.4867	0.4680	0.1000	48.1	50.0	-3.8	20.0
Tetrachloroethene	Ave	0.6818	0.6516	0.2000	47.8	50.0	-4.4	20.0
2-Hexanone	Ave	0.5703	0.6017	0.1000	264	250	5.5	20.0
1,3-Dichloropropane	Ave	0.9875	0.9451		47.9	50.0	-4.3	20.0
Dibromochloromethane	Ave	0.6656	0.6802	0.1000	51.1	50.0	2.2	20.0
1,2-Dibromoethane	Ave	0.6363	0.5982		47.0	50.0	-6.0	20.0
Chlorobenzene	Ave	1.935	1.829	0.5000	47.3	50.0	-5.5	20.0
Ethylbenzene	Ave	3.077	2.982	0.1000	48.5	50.0	-3.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6567	0.6414		48.8	50.0	-2.3	20.0
m,p-Xylene	Ave	1.304	1.253	0.1000	48.0	50.0	-3.9	20.0
o-Xylene	Ave	1.313	1.224	0.3000	46.6	50.0	-6.8	20.0
Styrene	Ave	2.033	1.918	0.3000	47.2	50.0	-5.6	20.0
Bromoform	Ave	0.4187	0.4248	0.1000	50.7	50.0	1.5	50.0
Isopropylbenzene	Ave	3.544	3.447	0.1000	48.6	50.0	-2.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8383	0.8153	0.3000	48.6	50.0	-2.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3318	0.3363		50.7	50.0	1.4	50.0
1,2,3-Trichloropropane	Ave	0.2471	0.2295		46.4	50.0	-7.1	20.0
Bromobenzene	Ave	0.8785	0.7822		44.5	50.0	-11.0	20.0
N-Propylbenzene	Ave	3.907	3.849		49.3	50.0	-1.5	20.0
2-Chlorotoluene	Ave	0.7886	0.7301		46.3	50.0	-7.4	20.0
1,3,5-Trimethylbenzene	Ave	2.985	2.819		47.2	50.0	-5.5	20.0
4-Chlorotoluene	Ave	0.8449	0.8029		47.5	50.0	-5.0	20.0
tert-Butylbenzene	Ave	0.6316	0.6042		47.8	50.0	-4.3	20.0
1,2,4-Trimethylbenzene	Ave	3.167	3.043		48.0	50.0	-3.9	20.0
sec-Butylbenzene	Ave	3.900	3.884		49.8	50.0	-0.4	20.0
4-Isopropyltoluene	Ave	3.235	3.141		48.5	50.0	-2.9	20.0
1,3-Dichlorobenzene	Ave	1.685	1.556	0.6000	46.2	50.0	-7.6	20.0
1,4-Dichlorobenzene	Ave	1.631	1.495	0.5000	45.8	50.0	-8.3	20.0
n-Butylbenzene	Ave	3.083	3.092		50.1	50.0	0.3	20.0
1,2-Dichlorobenzene	Ave	1.684	1.543	0.4000	45.8	50.0	-8.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280926/4 Calibration Date: 12/21/2015 22:51

Instrument ID: HP5973P Calib Start Date: 12/02/2015 01:45

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/02/2015 04:29

Lab File ID: P2530.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1833	0.1746	0.0500	47.6	50.0	-4.8	50.0
1,2,4-Trichlorobenzene	Ave	1.184	1.135	0.2000	47.9	50.0	-4.2	20.0
Hexachlorobutadiene	Ave	1.314	1.270		48.3	50.0	-3.3	20.0
Naphthalene	Ave	4.812	4.793		49.8	50.0	-0.4	20.0
1,2,3-Trichlorobenzene	Ave	1.970	1.889		47.9	50.0	-4.1	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.348		52.7	50.0	5.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7728	0.8239		53.3	50.0	6.6	20.0
Toluene-d8 (Surr)	Ave	2.187	2.238		51.1	50.0	2.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7618	0.7419		48.7	50.0	-2.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2530.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Dec-2015 22:51:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049470-004
Operator ID: NMD Instrument ID: HP5973P
Sublist: chrom-P-8260SOIL*sub12

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 16:29:02 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: diasn Date: 21-Dec-2015 23:24:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.894	0.000	98	366146	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	88	749949	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.824	16.824	0.000	97	708578	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.085	0.000	93	493576	50.0	52.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.523	0.000	0	301650	50.0	53.3	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	94	1678233	50.0	51.1	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	556420	50.0	48.7	
10 Dichlorodifluoromethane	85	4.042	4.042	0.000	99	712392	50.0	61.2	
11 Chloromethane	50	4.340	4.340	0.000	99	550405	50.0	52.8	
17 Vinyl chloride	62	4.571	4.571	0.000	97	420540	50.0	51.0	
149 Butadiene	54	4.596	4.596	0.000	98	426589	50.0	56.3	
12 Bromomethane	94	5.119	5.119	0.000	94	218780	50.0	46.1	
13 Chloroethane	64	5.247	5.247	0.000	96	268649	50.0	51.6	
19 Dichlorofluoromethane	67	5.563	5.563	0.000	98	904362	50.0	50.0	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	99	917528	50.0	62.7	
20 Ethyl ether	59	5.964	5.964	0.000	97	508734	50.0	49.1	
22 Acrolein	56	6.226	6.226	0.000	98	536822	250.0	241.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	95	624272	50.0	51.2	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	94	596179	50.0	48.8	
24 Acetone	43	6.396	6.396	0.000	98	1254984	250.0	299.1	
18 Iodomethane	142	6.627	6.627	0.000	99	914438	50.0	49.0	
30 Methyl acetate	43	6.767	6.767	0.000	99	2376274	250.0	247.2	
27 Carbon disulfide	76	6.773	6.773	0.000	100	1929554	50.0	51.0	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	89	1035447	50.0	51.2	
31 Methylene Chloride	84	6.986	6.986	0.000	94	566395	50.0	53.2	
33 2-Methyl-2-propanol	59	7.005	7.005	0.000	97	707549	500.0	518.9	
32 Methyl tert-butyl ether	73	7.224	7.224	0.000	99	1526541	50.0	46.8	
34 Acrylonitrile	53	7.272	7.272	0.000	96	2174712	500.0	494.5	
35 trans-1,2-Dichloroethene	96	7.303	7.303	0.000	93	504998	50.0	49.0	
36 Hexane	57	7.534	7.534	0.000	96	949171	50.0	47.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	7.771	7.771	0.000	97	2671306	100.0	108.0	
40 1,1-Dichloroethane	63	7.826	7.826	0.000	97	1094447	50.0	47.8	
44 2-Butanone (MEK)	43	8.471	8.471	0.000	98	1638134	250.0	264.7	
43 cis-1,2-Dichloroethene	96	8.526	8.526	0.000	87	533561	50.0	47.7	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	91	795270	50.0	50.8	
50 Chlorobromomethane	128	8.842	8.842	0.000	91	251325	50.0	47.0	
51 Tetrahydrofuran	42	8.866	8.866	0.000	93	394132	100.0	97.8	
49 Chloroform	83	8.878	8.878	0.000	96	953972	50.0	48.4	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	98	686158	50.0	52.3	
54 Cyclohexane	56	9.213	9.213	0.000	96	1175831	50.0	50.3	
53 Isobutyl alcohol	43	9.286	9.286	0.000	96	758877	1250.0	1278.2	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	91	724833	50.0	50.1	
55 Carbon tetrachloride	117	9.353	9.353	0.000	97	800002	50.0	54.7	
57 Benzene	78	9.596	9.596	0.000	98	1967378	50.0	48.7	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	97	824800	50.0	45.2	
59 n-Heptane	43	9.712	9.712	0.000	97	1080760	50.0	50.6	
62 Trichloroethene	95	10.345	10.345	0.000	94	515681	50.0	47.2	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	952988	50.0	50.9	
63 1,2-Dichloropropane	63	10.661	10.661	0.000	92	547103	50.0	46.7	
68 1,4-Dioxane	88	10.783	10.783	0.000	99	93851	1000.0	1018.6	
69 Dibromomethane	93	10.856	10.856	0.000	95	307800	50.0	47.6	
70 Dichlorobromomethane	83	10.989	10.989	0.000	97	702816	50.0	47.8	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	219950	50.0	101.5	
73 cis-1,3-Dichloropropene	75	11.525	11.525	0.000	91	832865	50.0	48.9	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	3173409	250.0	255.4	
76 Toluene	92	11.969	11.969	0.000	97	1188081	50.0	44.6	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	572332	50.0	49.2	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	94	757370	50.0	49.5	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	95	350988	50.0	48.1	
80 Tetrachloroethene	166	12.711	12.711	0.000	90	488651	50.0	47.8	
83 2-Hexanone	43	12.723	12.723	0.000	99	2256228	250.0	263.8	
82 1,3-Dichloropropane	76	12.748	12.748	0.000	98	708742	50.0	47.9	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	510093	50.0	51.1	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	448582	50.0	47.0	
87 Chlorobenzene	112	13.879	13.879	0.000	95	1371300	50.0	47.3	
89 Ethylbenzene	91	13.946	13.946	0.000	98	2236414	50.0	48.5	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	481029	50.0	48.8	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	939988	50.0	48.0	
93 o-Xylene	106	14.633	14.633	0.000	95	918003	50.0	46.6	
94 Styrene	104	14.652	14.652	0.000	93	1438465	50.0	47.2	
92 Bromoform	173	15.005	15.005	0.000	95	318608	50.0	50.7	
95 Isopropylbenzene	105	15.078	15.078	0.000	95	2442755	50.0	48.6	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	577731	50.0	48.6	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	82	238318	50.0	50.7	
100 Bromobenzene	156	15.595	15.595	0.000	92	554279	50.0	44.5	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	70	162612	50.0	46.4	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2727546	50.0	49.3	
103 2-Chlorotoluene	126	15.795	15.795	0.000	94	517311	50.0	46.3	
102 1,3,5-Trimethylbenzene	105	15.802	15.802	0.000	93	1997551	50.0	47.2	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	568909	50.0	47.5	
106 tert-Butylbenzene	134	16.240	16.240	0.000	94	428117	50.0	47.8	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	2155993	50.0	48.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2751866	50.0	49.8	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2225790	50.0	48.5	
110 1,3-Dichlorobenzene	146	16.751	16.751	0.000	96	1102506	50.0	46.2	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1059199	50.0	45.8	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2191060	50.0	50.1	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	1093642	50.0	45.8	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	81	123716	50.0	47.6	
119 1,2,4-Trichlorobenzene	180	19.403	19.403	0.000	93	804146	50.0	47.9	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	465128	50.0	48.3	
121 Naphthalene	128	19.811	19.811	0.000	97	1754797	50.0	49.8	
122 1,2,3-Trichlorobenzene	180	20.170	20.170	0.000	95	691557	50.0	47.9	

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL	
GAS CORP mix_00127	Amount Added: 25.00	Units: uL	
P 8260 IS_00119	Amount Added: 1.00	Units: uL	Run Reagent
P 8260 Surr._00157	Amount Added: 1.00	Units: uL	Run Reagent

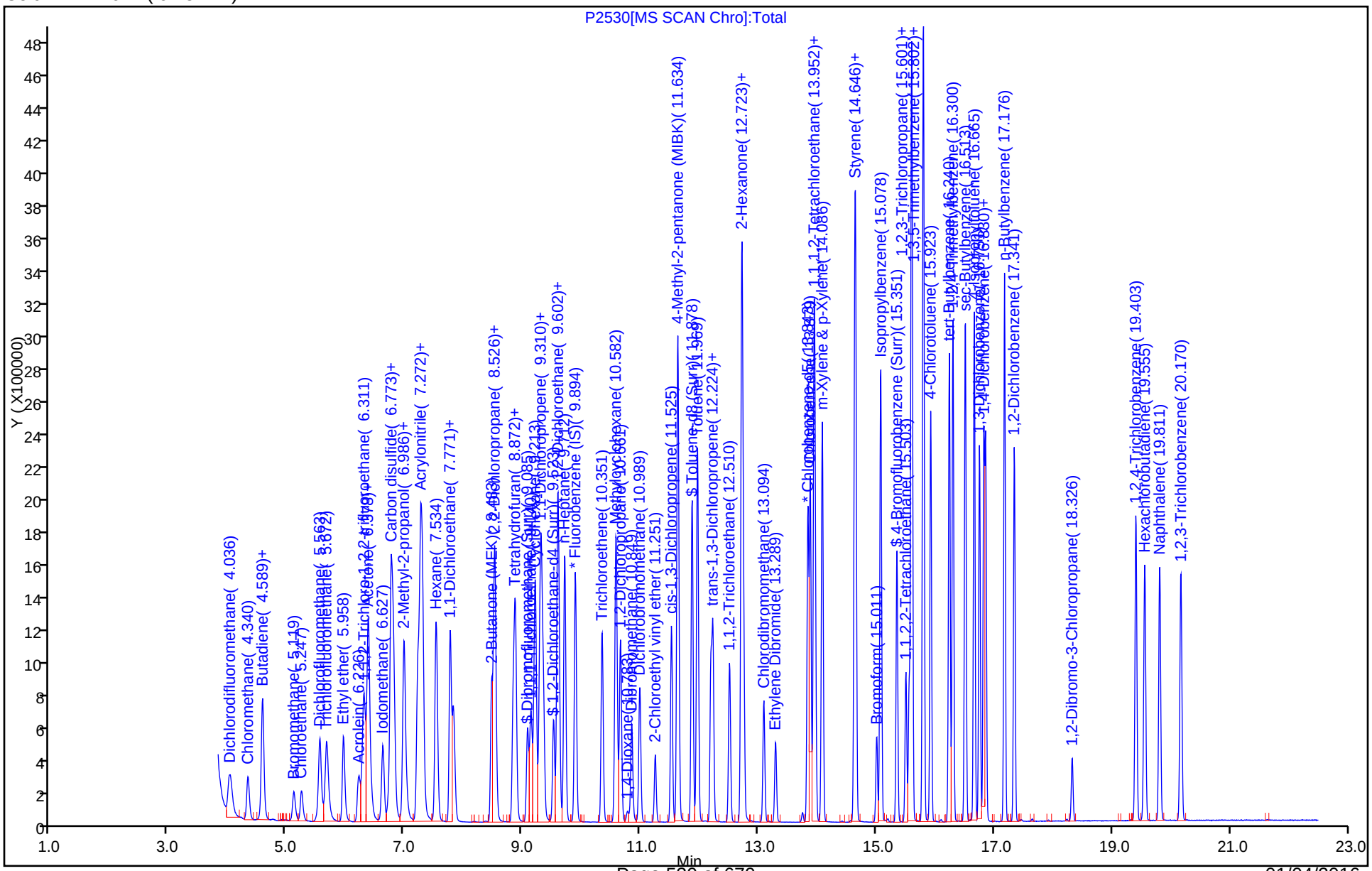
Report Date: 22-Dec-2015 16:29:04 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2530.D

Injection Date:	21-Dec-2015 22:51:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280912/3 Calibration Date: 12/21/2015 21:31

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6421.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.235	0.1000	24.0	25.0	-3.9	50.0
Chloromethane	Ave	2.470	1.861	0.1000	18.8	25.0	-24.7*	20.0
Vinyl chloride	Ave	1.328	0.9591	0.1000	18.1	25.0	-27.8*	20.0
Butadiene	Ave	1.607	1.256		19.5	25.0	-21.9*	20.0
Bromomethane	Ave	0.4062	0.3402	0.1000	20.9	25.0	-16.3	50.0
Chloroethane	Lin1		0.4385	0.1000	19.6	25.0	-21.8	50.0
Dichlorofluoromethane	Ave	1.417	1.212		21.4	25.0	-14.5	20.0
Trichlorofluoromethane	Ave	1.194	1.458	0.1000	30.5	25.0	22.1*	20.0
Ethyl ether	Ave	1.443	1.295		22.4	25.0	-10.2	20.0
Acrolein	Ave	0.2790	0.2539		114	125	-9.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.080	0.1000	27.2	25.0	8.7	20.0
1,1-Dichloroethene	Ave	1.124	1.080	0.1000	24.0	25.0	-4.0	20.0
Acetone	Ave	0.4654	0.5855	0.1000	157	125	25.8	50.0
Iodomethane	Ave	1.261	1.479		29.3	25.0	17.3	20.0
Carbon disulfide	Ave	3.229	3.165	0.1000	24.5	25.0	-2.0	20.0
Allyl chloride	Ave	2.327	2.765		29.7	25.0	18.8	20.0
Methyl acetate	Ave	1.200	1.233	0.1000	128	125	2.7	50.0
Methylene Chloride	Lin1		1.102	0.1000	23.7	25.0	-5.3	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1152		232	250	-7.1	50.0
Methyl tert-butyl ether	Ave	3.264	2.911	0.1000	22.3	25.0	-10.8	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.146	0.1000	24.7	25.0	-1.3	20.0
Acrylonitrile	Ave	0.6438	0.6385		248	250	-0.8	20.0
Hexane	Ave	2.616	2.877		27.5	25.0	10.0	20.0
1,1-Dichloroethane	Ave	2.524	2.436	0.2000	24.1	25.0	-3.5	20.0
Vinyl acetate	Ave	3.140	3.400		54.1	50.0	8.3	20.0
2,2-Dichloropropane	Ave	0.8974	1.117		31.1	25.0	24.5*	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.207	0.1000	23.7	25.0	-5.0	20.0
2-Butanone (MEK)	Ave	0.7376	0.7869	0.1000	133	125	6.7	20.0
Chlorobromomethane	Ave	0.6585	0.5615		21.3	25.0	-14.7	20.0
Tetrahydrofuran	Ave	0.5552	0.5142		46.3	50.0	-7.4	20.0
Chloroform	Ave	1.940	1.945	0.2000	25.1	25.0	0.2	20.0
1,1,1-Trichloroethane	Ave	1.393	1.578	0.1000	28.3	25.0	13.2	20.0
Cyclohexane	Ave	3.002	3.147	0.1000	26.2	25.0	4.8	20.0
Carbon tetrachloride	Ave	1.292	1.423	0.1000	27.5	25.0	10.2	20.0
1,1-Dichloropropene	Ave	1.579	1.628		25.8	25.0	3.1	20.0
Benzene	Ave	4.495	4.543	0.5000	25.3	25.0	1.1	20.0
Isobutyl alcohol	Ave	0.0626	0.0600		598	625	-4.3	50.0
1,2-Dichloroethane	Ave	2.039	1.851	0.1000	22.7	25.0	-9.2	20.0
n-Heptane	Ave	2.713	3.169		29.2	25.0	16.8	20.0
Trichloroethene	Ave	1.185	1.176	0.2000	24.8	25.0	-0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280912/3 Calibration Date: 12/21/2015 21:31

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6421.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.141	0.1000	26.6	25.0	6.5	20.0
1,2-Dichloropropane	Ave	1.396	1.312	0.1000	23.5	25.0	-6.0	20.0
Dibromomethane	Ave	0.6442	0.6286	0.1000	24.4	25.0	-2.4	20.0
1,4-Dioxane	Ave	0.0052	0.0049		471	500	-5.8	50.0
Bromodichloromethane	Ave	1.236	1.263	0.2000	25.5	25.0	2.2	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7633		20.8	25.0	-16.9	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.661	0.2000	23.7	25.0	-5.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7270	0.1000	132	125	5.9	20.0
Toluene	Ave	1.356	1.436	0.4000	26.5	25.0	5.9	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.7254	0.1000	26.1	25.0	4.3	20.0
Ethyl methacrylate	Ave	0.5638	0.5808		25.8	25.0	3.0	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3713	0.1000	24.8	25.0	-1.0	20.0
Tetrachloroethene	Ave	0.6533	0.6831	0.2000	26.1	25.0	4.6	20.0
1,3-Dichloropropane	Ave	0.8099	0.8229		25.4	25.0	1.6	20.0
2-Hexanone	Ave	0.4654	0.5344	0.1000	144	125	14.8	20.0
Dibromochloromethane	Ave	0.4073	0.4203	0.1000	25.8	25.0	3.2	20.0
1,2-Dibromoethane	Ave	0.4436	0.4623		26.1	25.0	4.2	20.0
Chlorobenzene	Ave	1.582	1.563	0.5000	24.7	25.0	-1.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4965		25.7	25.0	2.9	20.0
Ethylbenzene	Ave	2.456	2.680	0.1000	27.3	25.0	9.1	20.0
m,p-Xylene	Ave	1.042	1.045	0.1000	25.1	25.0	0.3	20.0
o-Xylene	Ave	1.016	1.029	0.3000	25.3	25.0	1.2	20.0
Styrene	Ave	1.635	1.683	0.3000	25.7	25.0	2.9	20.0
Bromoform	Ave	0.1896	0.2253	0.1000	29.7	25.0	18.8	50.0
Isopropylbenzene	Ave	2.403	2.876	0.1000	29.9	25.0	19.7	20.0
Bromobenzene	Ave	0.6782	0.6889		25.4	25.0	1.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5886	0.3000	27.7	25.0	10.7	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.2017		26.9	25.0	7.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2553		26.2	25.0	4.7	50.0
N-Propylbenzene	Ave	2.734	3.408		31.2	25.0	24.6*	20.0
2-Chlorotoluene	Ave	0.6001	0.6652		27.7	25.0	10.8	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.462		29.9	25.0	19.5	20.0
4-Chlorotoluene	Ave	0.6495	0.7053		27.1	25.0	8.6	20.0
tert-Butylbenzene	Ave	0.4873	0.5716		29.3	25.0	17.3	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.471		29.3	25.0	17.4	20.0
sec-Butylbenzene	Ave	2.577	3.137		30.4	25.0	21.7*	20.0
1,3-Dichlorobenzene	Ave	1.305	1.393	0.6000	26.7	25.0	6.8	20.0
4-Isopropyltoluene	Ave	2.388	2.690		28.2	25.0	12.7	20.0
1,4-Dichlorobenzene	Ave	1.323	1.398	0.5000	26.4	25.0	5.7	20.0
n-Butylbenzene	Ave	1.918	2.484		32.4	25.0	29.5*	20.0
1,2-Dichlorobenzene	Ave	1.266	1.307	0.4000	25.8	25.0	3.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-280912/3 Calibration Date: 12/21/2015 21:31

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6421.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0917	0.0500	28.6	25.0	14.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.9472	0.2000	25.5	25.0	1.9	20.0
Hexachlorobutadiene	Ave	0.4129	0.4914		29.8	25.0	19.0	20.0
Naphthalene	Ave	2.162	2.089		24.2	25.0	-3.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8894		25.5	25.0	1.8	20.0
Dibromofluoromethane (Surr)	Ave	1.133	1.047		25.1	27.2	-7.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.7226		25.3	27.2	-6.8	20.0
Toluene-d8 (Surr)	Ave	2.204	2.261		27.9	27.2	2.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6909		26.6	27.2	-2.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6421.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Dec-2015 21:31:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049466-003
Operator ID: GF Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 08:15:44 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: fortaing Date: 21-Dec-2015 21:56:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.398	0.000	92	102866	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	207957	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	72	195428	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	50	117089	27.2	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	80791	27.2	25.3	
$ 5 Toluene-d8 (Surr)	98	6.913	6.913	0.000	85	511109	27.2	27.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	156172	27.2	26.6	
10 Dichlorodifluoromethane	85	1.243	1.243	0.000	85	127072	25.0	24.0	
12 Chloromethane	50	1.401	1.401	0.000	89	191440	25.0	18.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	98663	25.0	18.1	
151 Butadiene	54	1.535	1.535	0.000	90	129175	25.0	19.5	
14 Bromomethane	94	1.821	1.821	0.000	90	34990	25.0	20.9	
15 Chloroethane	64	1.912	1.912	0.000	87	45108	25.0	19.6	
16 Dichlorofluoromethane	67	2.131	2.131	0.000	77	124680	25.0	21.4	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	83	149931	25.0	30.5	
18 Ethyl ether	59	2.417	2.417	0.000	97	133262	25.0	22.4	
20 Acrolein	56	2.575	2.575	0.000	97	130596	125.0	113.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.654	2.654	0.000	54	111082	25.0	27.2	
22 1,1-Dichloroethene	96	2.654	2.654	0.000	79	111080	25.0	24.0	
23 Acetone	43	2.733	2.733	0.000	98	301162	125.0	157.3	
25 Iodomethane	142	2.813	2.813	0.000	97	152187	25.0	29.3	
26 Carbon disulfide	76	2.849	2.849	0.000	99	325598	25.0	24.5	
28 3-Chloro-1-propene	41	2.995	2.995	0.000	86	284434	25.0	29.7	
27 Methyl acetate	43	3.038	3.038	0.000	97	633952	125.0	128.4	
30 Methylene Chloride	84	3.159	3.159	0.000	84	113355	25.0	23.7	
31 2-Methyl-2-propanol	59	3.293	3.293	0.000	94	118510	250.0	232.3	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	91	299451	25.0	22.3	
34 trans-1,2-Dichloroethene	96	3.372	3.372	0.000	85	117895	25.0	24.7	
33 Acrylonitrile	53	3.397	3.397	0.000	98	656759	250.0	247.9	
35 Hexane	57	3.591	3.591	0.000	96	295993	25.0	27.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.786	3.786	0.000	86	250555	25.0	24.1	
37 Vinyl acetate	43	3.841	3.841	0.000	97	699433	50.0	54.1	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	87	114945	25.0	31.1	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	75	124183	25.0	23.7	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	92	404740	125.0	133.4	
48 Chlorobromomethane	128	4.571	4.571	0.000	82	57754	25.0	21.3	
49 Tetrahydrofuran	42	4.601	4.601	0.000	94	105782	50.0	46.3	
50 Chloroform	83	4.656	4.656	0.000	82	200049	25.0	25.1	
51 1,1,1-Trichloroethane	97	4.778	4.778	0.000	86	162284	25.0	28.3	
52 Cyclohexane	56	4.808	4.808	0.000	92	323759	25.0	26.2	
55 Carbon tetrachloride	117	4.924	4.924	0.000	78	146376	25.0	27.5	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	167450	25.0	25.8	
57 Benzene	78	5.130	5.130	0.000	92	467326	25.0	25.3	
53 Isobutyl alcohol	43	5.130	5.130	0.000	55	154184	625.0	598.4	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	71	190409	25.0	22.7	
59 n-Heptane	43	5.337	5.337	0.000	96	326022	25.0	29.2	
62 Trichloroethene	95	5.745	5.745	0.000	90	120978	25.0	24.8	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	220241	25.0	26.6	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	89	134933	25.0	23.5	
67 Dibromomethane	93	6.110	6.110	0.000	89	64658	25.0	24.4	
66 1,4-Dioxane	88	6.122	6.122	0.000	66	20413	500.0	471.2	
68 Dichlorobromomethane	83	6.262	6.262	0.000	88	129868	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	6.548	6.548	0.000	86	78521	25.0	20.8	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	81	170844	25.0	23.7	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	98	755927	125.0	132.4	
74 Toluene	92	6.980	6.980	0.000	87	298539	25.0	26.5	
77 trans-1,3-Dichloropropene	75	7.248	7.248	0.000	96	150851	25.0	26.1	
75 Ethyl methacrylate	69	7.308	7.308	0.000	87	120771	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.430	7.430	0.000	90	77223	25.0	24.8	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	142063	25.0	26.1	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	92	171124	25.0	25.4	
80 2-Hexanone	43	7.667	7.667	0.000	98	555648	125.0	143.5	
83 Chlorodibromomethane	129	7.832	7.832	0.000	85	87393	25.0	25.8	
84 Ethylene Dibromide	107	7.935	7.935	0.000	96	96134	25.0	26.1	
87 Chlorobenzene	112	8.422	8.422	0.000	89	325030	25.0	24.7	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	37	103259	25.0	25.7	
88 Ethylbenzene	91	8.525	8.525	0.000	98	557286	25.0	27.3	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	217305	25.0	25.1	
91 o-Xylene	106	9.073	9.073	0.000	96	213898	25.0	25.3	
92 Styrene	104	9.097	9.097	0.000	94	349994	25.0	25.7	
95 Bromoform	173	9.328	9.328	0.000	91	46846	25.0	29.7	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	562055	25.0	29.9	
101 Bromobenzene	156	9.797	9.797	0.000	93	134622	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	80	115026	25.0	27.7	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	56	39426	25.0	26.9	
98 trans-1,4-Dichloro-2-buten	53	9.882	9.882	0.000	30	49898	25.0	26.2	
99 N-Propylbenzene	91	9.888	9.888	0.000	96	666059	25.0	31.2	
103 2-Chlorotoluene	126	9.985	9.985	0.000	95	129989	25.0	27.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	91	481123	25.0	29.9	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	137825	25.0	27.1	
106 tert-Butylbenzene	134	10.381	10.381	0.000	92	111696	25.0	29.3	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	70	482826	25.0	29.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.593	10.593	0.000	95	613001	25.0	30.4	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	97	272300	25.0	26.7	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	93	525684	25.0	28.2	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	93	273272	25.0	26.4	
115 n-Butylbenzene	91	11.117	11.117	0.000	95	485527	25.0	32.4	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	92	255334	25.0	25.8	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	54	17921	25.0	28.6	
119 1,2,4-Trichlorobenzene	180	12.565	12.565	0.000	93	185099	25.0	25.5	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	92	96036	25.0	29.8	
121 Naphthalene	128	12.771	12.771	0.000	97	408337	25.0	24.2	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	94	173822	25.0	25.5	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

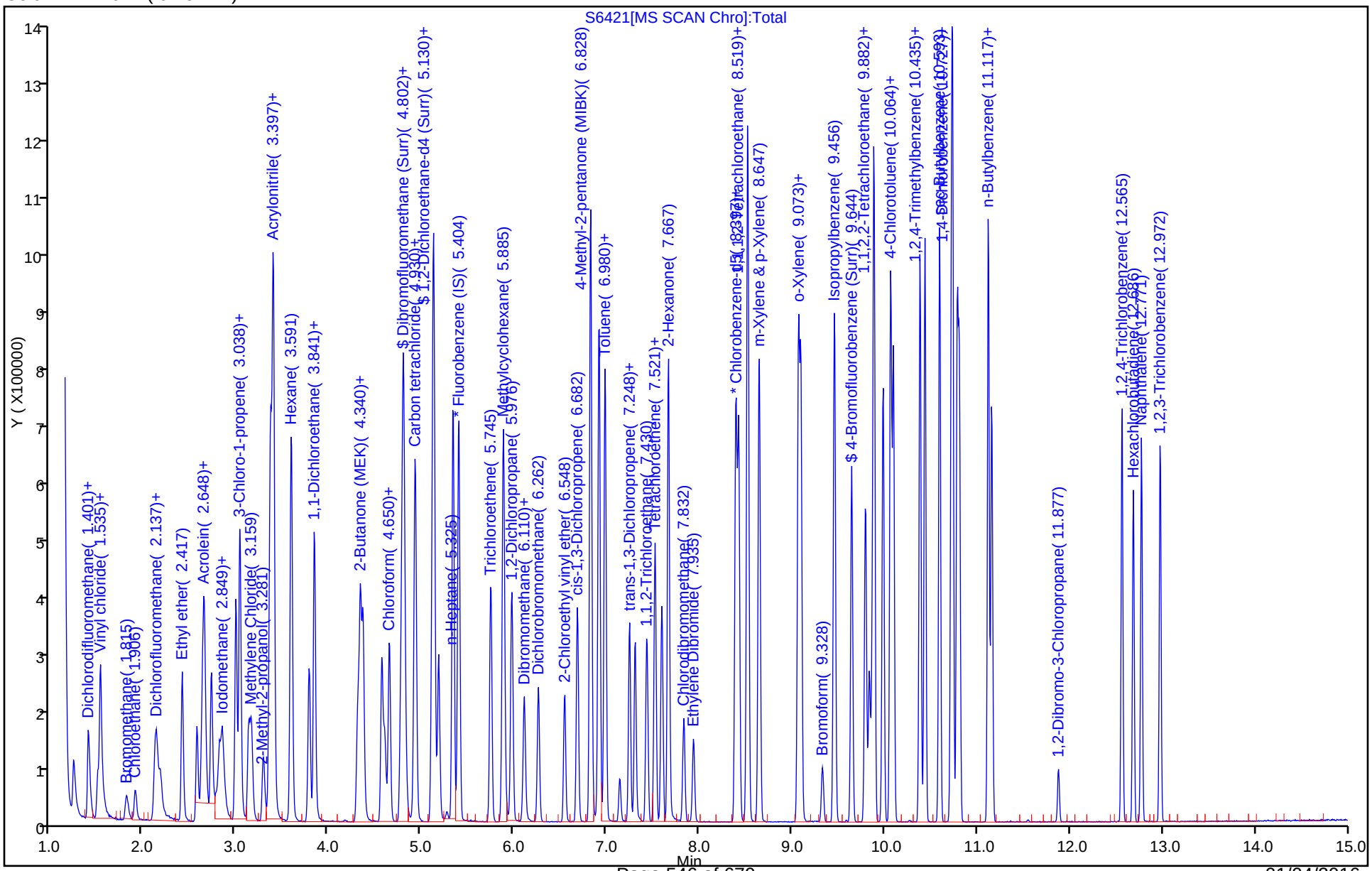
Report Date: 22-Dec-2015 08:15:45 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6421.D

Injection Date:	21-Dec-2015 21:31:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.286	1.041	0.1000	20.2	25.0	-19.0	50.0
Chloromethane	Ave	2.470	1.758	0.1000	17.8	25.0	-28.8*	20.0
Vinyl chloride	Ave	1.328	1.004	0.1000	18.9	25.0	-24.5*	20.0
Butadiene	Ave	1.607	1.346		20.9	25.0	-16.3	20.0
Bromomethane	Ave	0.4062	0.3750	0.1000	23.1	25.0	-7.7	50.0
Chloroethane	Lin1		0.5043	0.1000	22.5	25.0	-9.9	50.0
Dichlorofluoromethane	Ave	1.417	1.285		22.7	25.0	-9.3	20.0
Trichlorofluoromethane	Ave	1.194	1.300	0.1000	27.2	25.0	9.0	20.0
Ethyl ether	Ave	1.443	1.271		22.0	25.0	-12.0	20.0
Acrolein	Ave	0.2790	0.2482		111	125	-11.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.9937	1.006	0.1000	25.3	25.0	1.3	20.0
1,1-Dichloroethene	Ave	1.124	0.9813	0.1000	21.8	25.0	-12.7	20.0
Acetone	Ave	0.4654	0.5648	0.1000	152	125	21.4	50.0
Iodomethane	Ave	1.261	1.376		27.3	25.0	9.1	20.0
Carbon disulfide	Ave	3.229	2.842	0.1000	22.0	25.0	-12.0	20.0
Allyl chloride	Ave	2.327	2.437		26.2	25.0	4.7	20.0
Methyl acetate	Ave	1.200	1.168	0.1000	122	125	-2.6	50.0
Methylene Chloride	Lin1		0.9945	0.1000	21.3	25.0	-14.8	20.0
2-Methyl-2-propanol	Ave	0.1240	0.1320		266	250	6.5	50.0
Methyl tert-butyl ether	Ave	3.264	2.797	0.1000	21.4	25.0	-14.3	20.0
trans-1,2-Dichloroethene	Ave	1.161	1.005	0.1000	21.6	25.0	-13.4	20.0
Acrylonitrile	Ave	0.6438	0.6257		243	250	-2.8	20.0
Hexane	Ave	2.616	2.643		25.3	25.0	1.0	20.0
1,1-Dichloroethane	Ave	2.524	2.260	0.2000	22.4	25.0	-10.5	20.0
Vinyl acetate	Ave	3.140	3.049		48.6	50.0	-2.9	20.0
2,2-Dichloropropane	Ave	0.8974	1.028		28.6	25.0	14.5	20.0
cis-1,2-Dichloroethene	Ave	1.271	1.101	0.1000	21.6	25.0	-13.4	20.0
2-Butanone (MEK)	Ave	0.7376	0.7773	0.1000	132	125	5.4	20.0
Chlorobromomethane	Ave	0.6585	0.4919		18.7	25.0	-25.3*	20.0
Tetrahydrofuran	Ave	0.5552	0.4916		44.3	50.0	-11.4	20.0
Chloroform	Ave	1.940	1.727	0.2000	22.3	25.0	-11.0	20.0
1,1,1-Trichloroethane	Ave	1.393	1.398	0.1000	25.1	25.0	0.3	20.0
Cyclohexane	Ave	3.002	2.963	0.1000	24.7	25.0	-1.3	20.0
Carbon tetrachloride	Ave	1.292	1.204	0.1000	23.3	25.0	-6.8	20.0
1,1-Dichloropropene	Ave	1.579	1.479		23.4	25.0	-6.3	20.0
Isobutyl alcohol	Ave	0.0626	0.0665		664	625	6.2	50.0
Benzene	Ave	4.495	4.106	0.5000	22.8	25.0	-8.7	20.0
1,2-Dichloroethane	Ave	2.039	1.672	0.1000	20.5	25.0	-18.0	20.0
n-Heptane	Ave	2.713	2.779		25.6	25.0	2.4	20.0
Trichloroethene	Ave	1.185	1.057	0.2000	22.3	25.0	-10.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.011	2.000	0.1000	24.9	25.0	-0.5	20.0
1,2-Dichloropropane	Ave	1.396	1.224	0.1000	21.9	25.0	-12.3	20.0
Dibromomethane	Ave	0.6442	0.5605	0.1000	21.8	25.0	-13.0	20.0
1,4-Dioxane	Ave	0.0052	0.0052		502	500	0.3	50.0
Bromodichloromethane	Ave	1.236	1.120	0.2000	22.7	25.0	-9.4	20.0
2-Chloroethyl vinyl ether	Ave	0.9188	0.7405		20.1	25.0	-19.4	20.0
cis-1,3-Dichloropropene	Ave	1.750	1.513	0.2000	21.6	25.0	-13.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6862	0.7280	0.1000	133	125	6.1	20.0
Toluene	Ave	1.356	1.334	0.4000	24.6	25.0	-1.6	20.0
trans-1,3-Dichloropropene	Ave	0.6958	0.6768	0.1000	24.3	25.0	-2.7	20.0
Ethyl methacrylate	Ave	0.5638	0.5978		26.5	25.0	6.0	20.0
1,1,2-Trichloroethane	Ave	0.3751	0.3493	0.1000	23.3	25.0	-6.9	20.0
Tetrachloroethene	Ave	0.6533	0.6098	0.2000	23.3	25.0	-6.7	20.0
1,3-Dichloropropane	Ave	0.8099	0.7756		23.9	25.0	-4.2	20.0
2-Hexanone	Ave	0.4654	0.5419	0.1000	146	125	16.4	20.0
Dibromochloromethane	Ave	0.4073	0.3629	0.1000	22.3	25.0	-10.9	20.0
1,2-Dibromoethane	Ave	0.4436	0.4149		23.4	25.0	-6.5	20.0
Chlorobenzene	Ave	1.582	1.436	0.5000	22.7	25.0	-9.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4824	0.4409		22.8	25.0	-8.6	20.0
Ethylbenzene	Ave	2.456	2.505	0.1000	25.5	25.0	2.0	20.0
m,p-Xylene	Ave	1.042	0.9775	0.1000	23.5	25.0	-6.2	20.0
o-Xylene	Ave	1.016	0.9549	0.3000	23.5	25.0	-6.0	20.0
Styrene	Ave	1.635	1.562	0.3000	23.9	25.0	-4.5	20.0
Bromoform	Ave	0.1896	0.1898	0.1000	25.0	25.0	0.1	50.0
Isopropylbenzene	Ave	2.403	2.669	0.1000	27.8	25.0	11.1	20.0
Bromobenzene	Ave	0.6782	0.6237		23.0	25.0	-8.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5318	0.5628	0.3000	26.5	25.0	5.8	20.0
1,2,3-Trichloropropane	Ave	0.1873	0.1824		24.3	25.0	-2.6	20.0
N-Propylbenzene	Ave	2.734	3.179		29.1	25.0	16.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2438	0.2327		23.9	25.0	-4.5	50.0
2-Chlorotoluene	Ave	0.6001	0.5983		24.9	25.0	-0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.060	2.307		28.0	25.0	12.0	20.0
4-Chlorotoluene	Ave	0.6495	0.6386		24.6	25.0	-1.7	20.0
tert-Butylbenzene	Ave	0.4873	0.5481		28.1	25.0	12.5	20.0
1,2,4-Trimethylbenzene	Ave	2.105	2.304		27.4	25.0	9.4	20.0
sec-Butylbenzene	Ave	2.577	2.947		28.6	25.0	14.4	20.0
1,3-Dichlorobenzene	Ave	1.305	1.263	0.6000	24.2	25.0	-3.3	20.0
4-Isopropyltoluene	Ave	2.388	2.509		26.3	25.0	5.1	20.0
1,4-Dichlorobenzene	Ave	1.323	1.285	0.5000	24.3	25.0	-2.9	20.0
n-Butylbenzene	Ave	1.918	2.272		29.6	25.0	18.5	20.0
1,2-Dichlorobenzene	Ave	1.266	1.193	0.4000	23.6	25.0	-5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Lab Sample ID: CCVIS 480-281000/3 Calibration Date: 12/22/2015 10:55

Instrument ID: HP5973S Calib Start Date: 12/07/2015 13:52

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/07/2015 16:55

Lab File ID: S6453.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0801	0.0901	0.0500	28.1	25.0	12.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9295	0.8917	0.2000	24.0	25.0	-4.1	20.0
Hexachlorobutadiene	Ave	0.4129	0.4280		25.9	25.0	3.7	20.0
Naphthalene	Ave	2.162	2.002		23.2	25.0	-7.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8737	0.8119		23.2	25.0	-7.1	20.0
Dibromofluoromethane (Surr)	Ave	1.133	0.9684		23.2	27.2	-14.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7754	0.6944		24.3	27.2	-10.4	20.0
Toluene-d8 (Surr)	Ave	2.204	2.177		26.8	27.2	-1.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7062	0.6651		25.6	27.2	-5.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6453.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Dec-2015 10:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0049479-003
Operator ID: gtg Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 17:41:47 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: goliszekg Date: 22-Dec-2015 16:36:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.404	5.404	0.000	96	120897	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	89	239453	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	73	225285	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	50	127252	27.2	23.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.112	0.000	0	91253	27.2	24.3	
$ 5 Toluene-d8 (Surr)	98	6.919	6.919	0.000	84	566595	27.2	26.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	85	173116	27.2	25.6	
10 Dichlorodifluoromethane	85	1.249	1.249	0.000	84	125865	25.0	20.2	
12 Chloromethane	50	1.401	1.401	0.000	89	212573	25.0	17.8	
13 Vinyl chloride	62	1.505	1.505	0.000	82	121323	25.0	18.9	
151 Butadiene	54	1.535	1.535	0.000	87	162689	25.0	20.9	
14 Bromomethane	94	1.815	1.815	0.000	90	45340	25.0	23.1	
15 Chloroethane	64	1.912	1.912	0.000	89	60973	25.0	22.5	
16 Dichlorofluoromethane	67	2.125	2.125	0.000	77	155410	25.0	22.7	
17 Trichlorofluoromethane	101	2.143	2.143	0.000	82	157207	25.0	27.2	
18 Ethyl ether	59	2.417	2.417	0.000	95	153601	25.0	22.0	
20 Acrolein	56	2.575	2.575	0.000	96	150026	125.0	111.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.648	2.648	0.000	53	121654	25.0	25.3	
22 1,1-Dichloroethene	96	2.648	2.648	0.000	78	118635	25.0	21.8	
23 Acetone	43	2.734	2.734	0.000	98	341420	125.0	151.7	
25 Iodomethane	142	2.813	2.813	0.000	97	166302	25.0	27.3	
26 Carbon disulfide	76	2.849	2.849	0.000	98	343599	25.0	22.0	
28 3-Chloro-1-propene	41	3.001	3.001	0.000	86	294647	25.0	26.2	
27 Methyl acetate	43	3.044	3.044	0.000	97	706147	125.0	121.7	
30 Methylene Chloride	84	3.141	3.141	0.000	82	120226	25.0	21.3	
31 2-Methyl-2-propanol	59	3.293	3.293	0.000	96	159576	250.0	266.1	
32 Methyl tert-butyl ether	73	3.366	3.366	0.000	93	338160	25.0	21.4	
34 trans-1,2-Dichloroethene	96	3.378	3.378	0.000	88	121517	25.0	21.6	
33 Acrylonitrile	53	3.403	3.403	0.000	99	756419	250.0	242.9	
35 Hexane	57	3.597	3.597	0.000	94	319578	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.786	3.786	0.000	85	273191	25.0	22.4	
37 Vinyl acetate	43	3.847	3.847	0.000	97	737300	50.0	48.6	
44 2,2-Dichloropropane	77	4.315	4.315	0.000	90	124277	25.0	28.6	
45 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	75	133068	25.0	21.6	
43 2-Butanone (MEK)	43	4.370	4.370	0.000	92	469882	125.0	131.7	
48 Chlorobromomethane	128	4.577	4.577	0.000	82	59464	25.0	18.7	
49 Tetrahydrofuran	42	4.601	4.601	0.000	93	118876	50.0	44.3	
50 Chloroform	83	4.656	4.656	0.000	83	208789	25.0	22.3	
51 1,1,1-Trichloroethane	97	4.784	4.784	0.000	88	169013	25.0	25.1	
52 Cyclohexane	56	4.808	4.808	0.000	92	358227	25.0	24.7	
55 Carbon tetrachloride	117	4.930	4.930	0.000	65	145539	25.0	23.3	
54 1,1-Dichloropropene	75	4.936	4.936	0.000	86	178851	25.0	23.4	
53 Isobutyl alcohol	43	5.130	5.130	0.000	61	201059	625.0	663.9	
57 Benzene	78	5.137	5.137	0.000	95	496404	25.0	22.8	
58 1,2-Dichloroethane	62	5.185	5.185	0.000	72	202136	25.0	20.5	
59 n-Heptane	43	5.343	5.343	0.000	95	336000	25.0	25.6	
62 Trichloroethene	95	5.751	5.751	0.000	88	127783	25.0	22.3	
64 Methylcyclohexane	83	5.885	5.885	0.000	95	241765	25.0	24.9	
65 1,2-Dichloropropane	63	5.976	5.976	0.000	90	147994	25.0	21.9	
67 Dibromomethane	93	6.110	6.110	0.000	89	67765	25.0	21.8	
66 1,4-Dioxane	88	6.116	6.116	0.000	44	25020	500.0	501.6	
68 Dichlorobromomethane	83	6.262	6.262	0.000	89	135413	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	6.542	6.542	0.000	87	89521	25.0	20.1	
72 cis-1,3-Dichloropropene	75	6.682	6.682	0.000	82	182880	25.0	21.6	
73 4-Methyl-2-pentanone (MIBK	43	6.828	6.828	0.000	97	871596	125.0	132.6	
74 Toluene	92	6.980	6.980	0.000	88	319444	25.0	24.6	
77 trans-1,3-Dichloropropene	75	7.248	7.248	0.000	94	162059	25.0	24.3	
75 Ethyl methacrylate	69	7.308	7.308	0.000	88	143136	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.436	7.436	0.000	90	83638	25.0	23.3	
81 Tetrachloroethene	166	7.521	7.521	0.000	92	146025	25.0	23.3	
82 1,3-Dichloropropane	76	7.594	7.594	0.000	95	185727	25.0	23.9	
80 2-Hexanone	43	7.667	7.667	0.000	99	648764	125.0	145.6	
83 Chlorodibromomethane	129	7.832	7.832	0.000	85	86900	25.0	22.3	
84 Ethylene Dibromide	107	7.941	7.941	0.000	97	99358	25.0	23.4	
87 Chlorobenzene	112	8.422	8.422	0.000	89	343959	25.0	22.7	
89 1,1,1,2-Tetrachloroethane	131	8.519	8.519	0.000	39	105566	25.0	22.8	
88 Ethylbenzene	91	8.525	8.525	0.000	98	599905	25.0	25.5	
90 m-Xylene & p-Xylene	106	8.647	8.647	0.000	0	234072	25.0	23.5	
91 o-Xylene	106	9.073	9.073	0.000	97	228647	25.0	23.5	
92 Styrene	104	9.097	9.097	0.000	94	373944	25.0	23.9	
95 Bromoform	173	9.334	9.334	0.000	93	45441	25.0	25.0	
94 Isopropylbenzene	105	9.456	9.456	0.000	97	601228	25.0	27.8	
101 Bromobenzene	156	9.797	9.797	0.000	94	140503	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	9.833	9.833	0.000	79	126783	25.0	26.5	
100 1,2,3-Trichloropropane	110	9.870	9.870	0.000	59	41099	25.0	24.3	
98 trans-1,4-Dichloro-2-buten	53	9.888	9.888	0.000	24	52424	25.0	23.9	
99 N-Propylbenzene	91	9.888	9.888	0.000	97	716273	25.0	29.1	
103 2-Chlorotoluene	126	9.985	9.985	0.000	93	134795	25.0	24.9	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.000	90	519715	25.0	28.0	
105 4-Chlorotoluene	126	10.095	10.095	0.000	96	143855	25.0	24.6	
106 tert-Butylbenzene	134	10.381	10.381	0.000	87	123483	25.0	28.1	
107 1,2,4-Trimethylbenzene	105	10.435	10.435	0.000	69	518988	25.0	27.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.594	10.594	0.000	94	663871	25.0	28.6	
111 1,3-Dichlorobenzene	146	10.721	10.721	0.000	96	284483	25.0	24.2	
110 4-Isopropyltoluene	119	10.733	10.733	0.000	94	565158	25.0	26.3	
113 1,4-Dichlorobenzene	146	10.806	10.806	0.000	90	289433	25.0	24.3	
115 n-Butylbenzene	91	11.117	11.117	0.000	95	511939	25.0	29.6	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.000	91	268704	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	11.877	11.877	0.000	54	20294	25.0	28.1	
119 1,2,4-Trichlorobenzene	180	12.565	12.565	0.000	93	200884	25.0	24.0	
120 Hexachlorobutadiene	225	12.686	12.686	0.000	93	96420	25.0	25.9	
121 Naphthalene	128	12.771	12.771	0.000	97	451036	25.0	23.2	
122 1,2,3-Trichlorobenzene	180	12.978	12.978	0.000	95	182898	25.0	23.2	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00127	Amount Added: 12.50	Units: uL	
S_8260_IS_00133	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

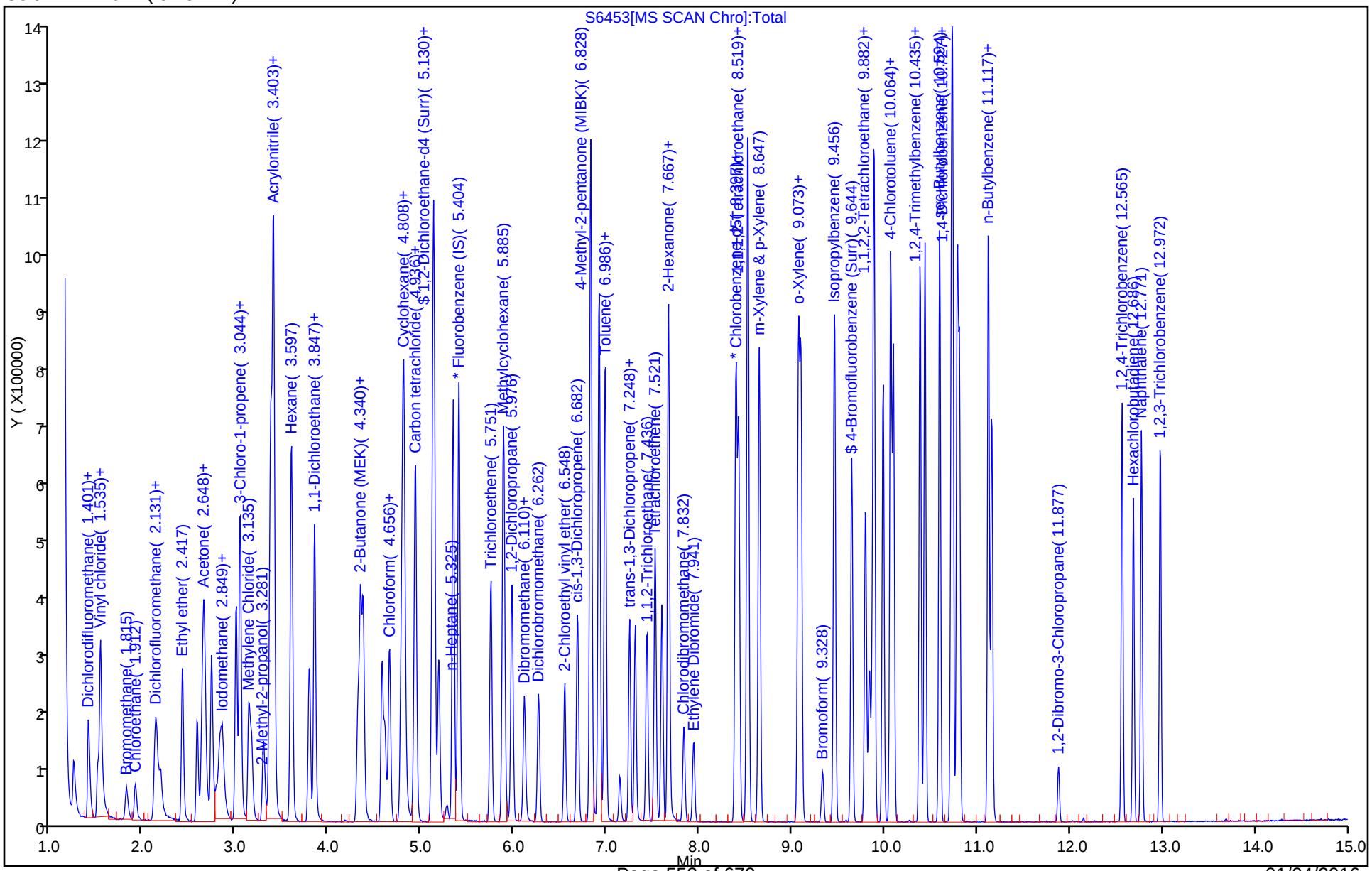
Report Date: 22-Dec-2015 17:41:48 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6453.D

Injection Date:	22-Dec-2015 10:55:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Dec-2015 13:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049159-002
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:07 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg Date: 11-Dec-2015 16:02:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.490	9.490	0.000	0	220977	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

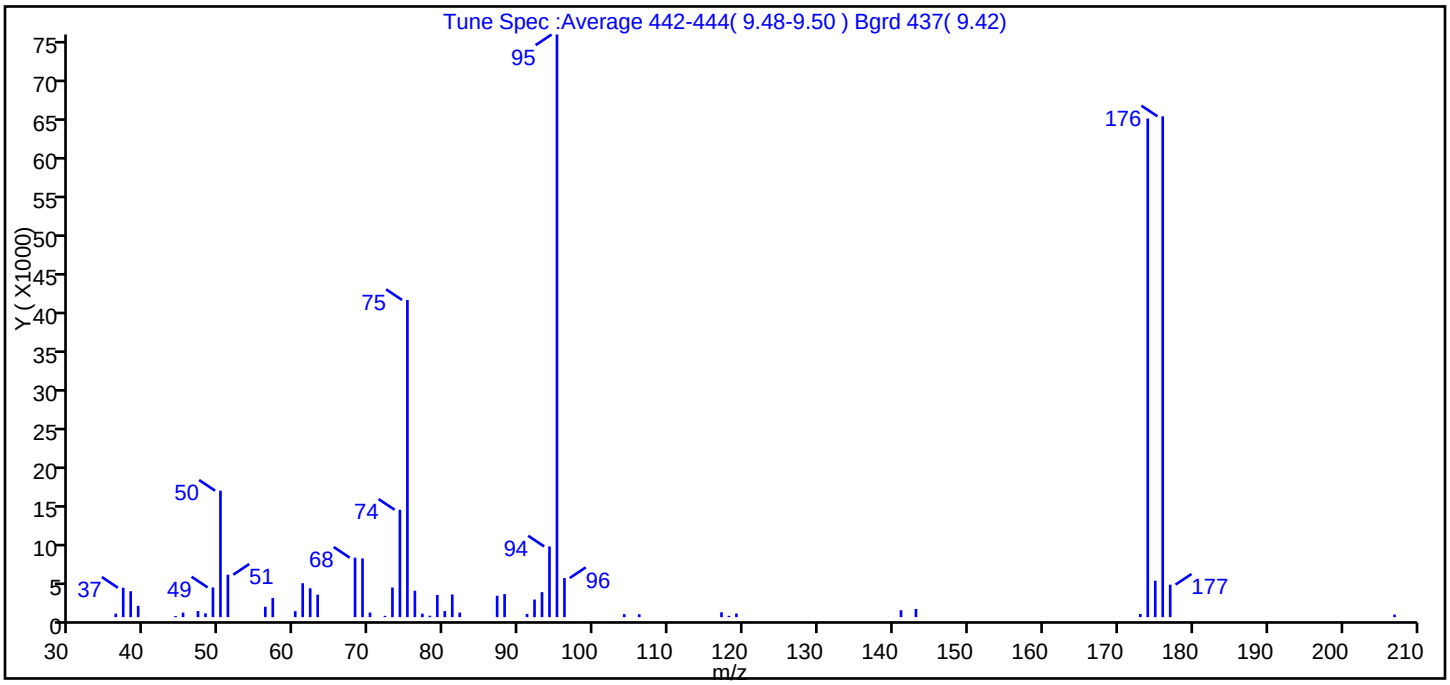
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D
Injection Date: 11-Dec-2015 13:23:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.7
75	30 to 60% of m/z 95	54.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	85.6
175	5 to 9% of m/z 174	6.3 (7.3)
176	Greater than 95% but less than 101% of m/z 174	86.0 (100.4)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D\C-8260.rslt\spectra.d
Injection Date: 11-Dec-2015 13:23:30
Spectrum: Tune Spec :Average 442-444(9.48-9.50) Bgrd 437(9.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	779	79.00	2898	117.00	629
37.00	3834	61.00	4420	80.00	791	118.00	173
38.00	3376	62.00	3756	81.00	2960	119.00	475
39.00	1473	63.00	2926	82.00	594	141.00	898
40.00	14	68.00	7749	87.00	2786	143.00	1068
44.00	152	69.00	7650	88.00	3002	173.00	421
45.00	586	70.00	601	91.00	423	174.00	64992
47.00	794	72.00	171	92.00	2296	175.00	4752
48.00	493	73.00	3864	93.00	3256	176.00	65272
49.00	3872	74.00	13995	94.00	9214	177.00	4234
50.00	16480	75.00	41336	95.00	75936	207.00	332
51.00	5531	76.00	3441	96.00	5097		
56.00	1356	77.00	450	104.00	394		
57.00	2498	78.00	184	106.00	380		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60017.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Dec-2015 22:33:30	ALS Bottle#:	27	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0049508-001				
Operator ID:	SO	Instrument ID:	HP5973C		
Method:	\\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	22-Dec-2015 22:42:48	Calib Date:	11-Dec-2015 22:23:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK022				
First Level Reviewer: o'briens		Date:	22-Dec-2015 22:42:48		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.466	9.466	0.000	0	213943	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

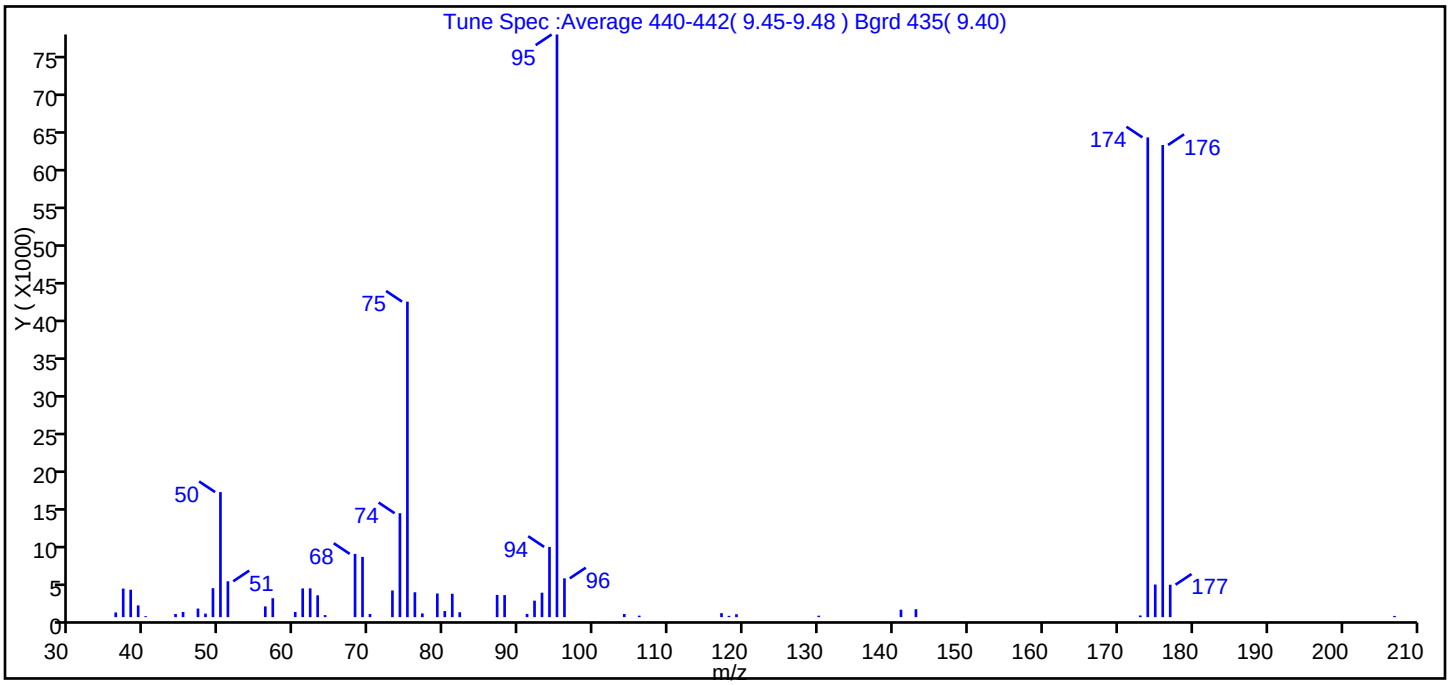
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60017.D
Injection Date: 22-Dec-2015 22:33:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 27 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.5
75	30 to 60% of m/z 95	54.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	82.3
175	5 to 9% of m/z 174	5.6 (6.8)
176	Greater than 95% but less than 101% of m/z 174	81.0 (98.4)
177	5 to 9% of m/z 176	5.6 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60017.D\C-8260.rslt\spectra.d
Injection Date: 22-Dec-2015 22:33:30
Spectrum: Tune Spec :Average 440-442(9.45-9.48) Bgrd 435(9.40)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	628	60.00	695	80.00	813	118.00	175
37.00	3823	61.00	3838	81.00	3132	119.00	390
38.00	3668	62.00	3847	82.00	654	130.00	194
39.00	1569	63.00	2916	87.00	2972	141.00	994
40.00	129	64.00	274	88.00	2947	143.00	1060
44.00	423	68.00	8457	91.00	436	173.00	223
45.00	694	69.00	8057	92.00	2203	174.00	64144
47.00	1149	70.00	424	93.00	3270	175.00	4362
48.00	470	73.00	3564	94.00	9392	176.00	63128
49.00	3874	74.00	13897	95.00	77904	177.00	4337
50.00	16720	75.00	42184	96.00	5187	207.00	162
51.00	4795	76.00	3327	104.00	420		
56.00	1433	77.00	494	106.00	199		
57.00	2528	79.00	3161	117.00	535		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Dec-2015 00:49:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0048850-001
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Dec-2015 10:34:17 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: HillL Date: 11-Dec-2015 10:34:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.189	7.189	0.000	0	179384	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

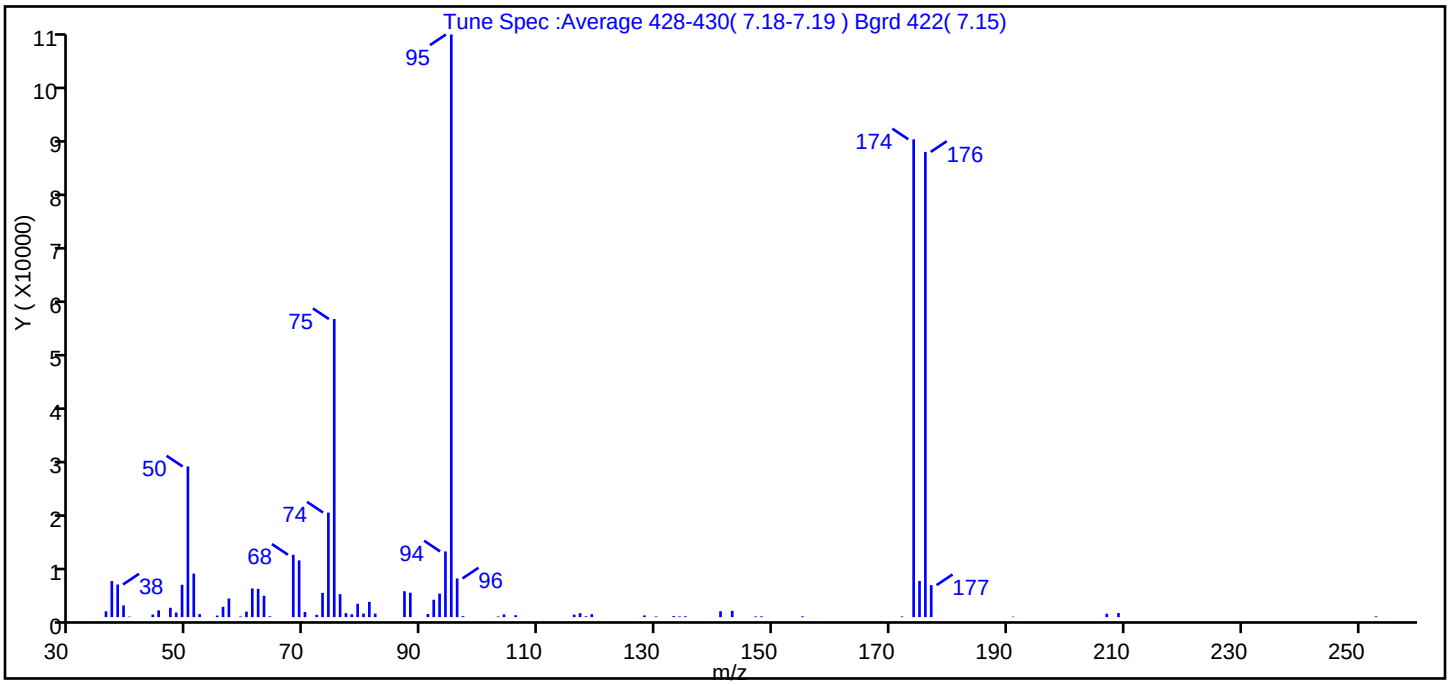
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D
Injection Date: 02-Dec-2015 00:49:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.9
75	30 to 60% of m/z 95	51.2
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.0
175	5 to 9% of m/z 174	6.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	79.8 (97.4)
177	5 to 9% of m/z 176	5.5 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1875.D\P-8260SOIL.rslt\spectra.d
Injection Date: 02-Dec-2015 00:49:30
Spectrum: Tune Spec :Average 428-430(7.18-7.19) Bgrd 422(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1014	61.00	4933	87.00	4459	133.00	182
37.00	6211	62.00	4864	88.00	4201	134.00	124
38.00	5621	63.00	3689	91.00	546	135.00	149
39.00	2016	64.00	144	92.00	2998	141.00	1005
40.00	86	68.00	10740	93.00	4046	143.00	1091
44.00	451	69.00	9769	94.00	11311	147.00	131
45.00	1167	70.00	881	95.00	100264	148.00	137
47.00	1612	72.00	402	96.00	6659	155.00	143
48.00	795	73.00	4179	97.00	171	172.00	127
49.00	5572	74.00	18000	103.00	117	174.00	82224
50.00	25928	75.00	51296	104.00	469	175.00	6223
51.00	7486	76.00	3960	106.00	331	176.00	80056
52.00	508	77.00	685	116.00	439	177.00	5509
55.00	276	78.00	483	117.00	678	191.00	86
56.00	1784	79.00	2304	118.00	146	207.00	593
57.00	3213	80.00	613	119.00	514	209.00	705
59.00	120	81.00	2630	128.00	295	253.00	139
60.00	953	82.00	614	130.00	120		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2444.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Dec-2015 10:26:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049333-002
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 11:21:15 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 10:37:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	64348	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

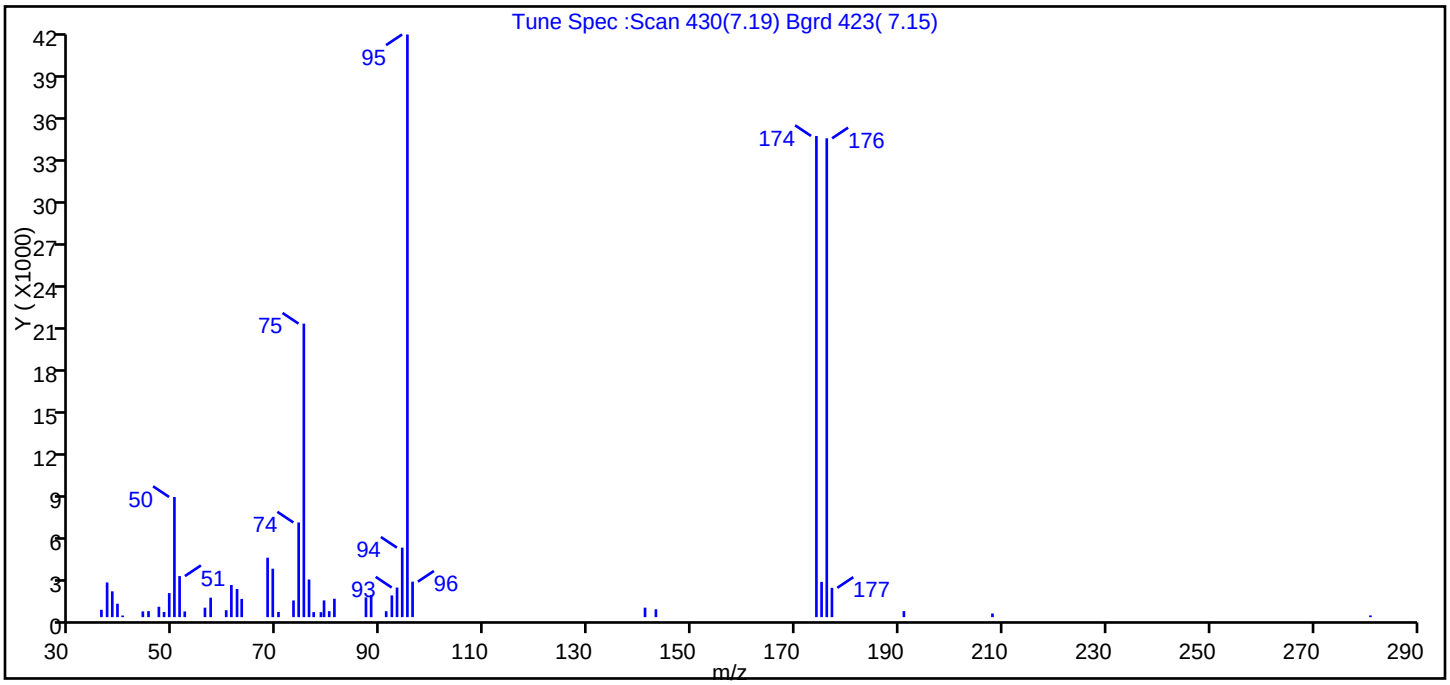
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2444.D
Injection Date: 17-Dec-2015 10:26:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.6
75	30 to 60% of m/z 95	50.4
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.6
175	5 to 9% of m/z 174	6.1 (7.3)
176	Greater than 95% but less than 101% of m/z 174	82.2 (99.5)
177	5 to 9% of m/z 176	5.0 (6.1)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2444.D\P-8260SOIL.rslt\spectra.d
Injection Date: 17-Dec-2015 10:26:30
Spectrum: Tune Spec :Scan 430(7.19) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	526	52.00	407	75.00	21008	94.00	4974
37.00	2484	55.90	677	76.00	2696	95.00	41704
38.00	1847	57.00	1394	76.90	361	96.00	2541
39.00	961	60.00	497	78.30	355	140.90	680
40.00	116	61.00	2302	78.90	1197	143.00	564
43.90	412	62.10	2018	79.90	426	174.00	34440
45.00	432	63.00	1305	80.90	1317	175.00	2526
47.00	745	68.00	4255	87.00	1415	176.00	34272
48.00	372	69.00	3468	88.00	1592	177.00	2098
49.00	1722	70.10	375	90.90	427	190.90	433
50.00	8601	73.00	1195	92.00	1555	208.00	262
51.00	2939	74.00	6776	93.00	2119	281.00	123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2470.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Dec-2015 23:11:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049361-001				
Operator ID:	NMD	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	17-Dec-2015 23:21:49	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK030				
First Level Reviewer: diasn		Date:	17-Dec-2015 23:21:49		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	89194	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

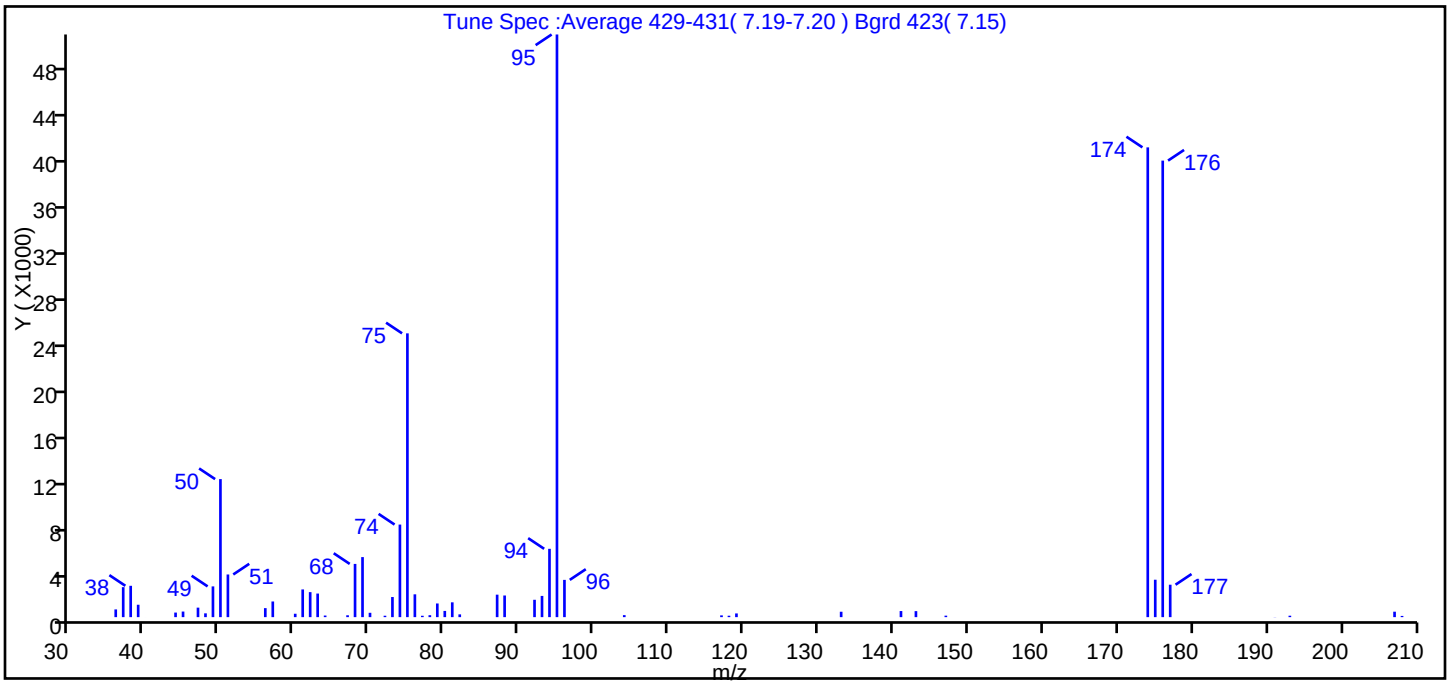
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2470.D
Injection Date: 17-Dec-2015 23:11:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.7
75	30 to 60% of m/z 95	48.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.6
175	5 to 9% of m/z 174	6.4 (8.0)
176	Greater than 95% but less than 101% of m/z 174	78.4 (97.2)
177	5 to 9% of m/z 176	5.6 (7.1)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2470.D\P-8260SOIL.rslt\spectra.d
Injection Date: 17-Dec-2015 23:11:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	672	61.00	2411	79.00	1189	133.00	471
37.00	2610	62.00	2177	80.00	541	141.00	530
38.00	2727	63.00	2053	81.00	1289	143.00	523
39.00	1079	64.00	139	82.00	242	147.00	129
40.00	1	67.00	163	87.00	1956	174.00	40880
44.00	398	68.00	4632	88.00	1884	175.00	3256
45.00	487	69.00	5225	92.00	1511	176.00	39728
47.00	827	70.00	379	93.00	1847	177.00	2822
48.00	331	72.00	123	94.00	5945	191.00	11
49.00	2676	73.00	1751	95.00	50704	193.00	124
50.00	12012	74.00	8056	96.00	3243	207.00	474
51.00	3713	75.00	24696	104.00	175	208.00	106
56.00	784	76.00	1986	117.00	154		
57.00	1363	77.00	120	118.00	124		
60.00	296	78.00	169	119.00	323		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2529.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Dec-2015 22:22:30	ALS Bottle#:	1	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049470-003				
Operator ID:	NMD	Instrument ID:	HP5973P		
Method:	\\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P-8260SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	22-Dec-2015 16:28:59	Calib Date:	02-Dec-2015 08:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: diasn		Date:	21-Dec-2015 22:33:42		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 21 BFB	95	7.195	7.195	0.000	0	102397	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

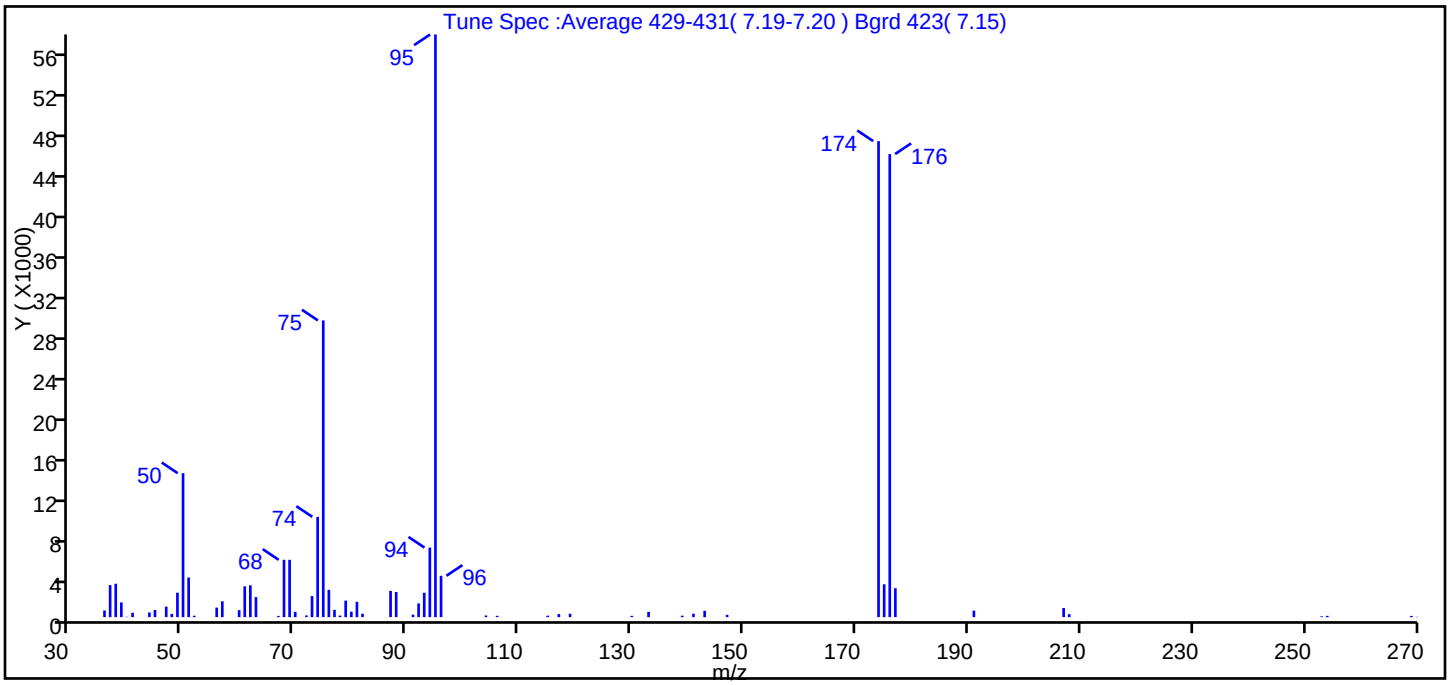
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2529.D
Injection Date: 21-Dec-2015 22:22:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.7
75	30 to 60% of m/z 95	50.9
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.7
175	5 to 9% of m/z 174	5.6 (6.9)
176	Greater than 95% but less than 101% of m/z 174	79.5 (97.3)
177	5 to 9% of m/z 176	5.0 (6.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2529.D\P-8260SOIL.rslt\spectra.d
Injection Date: 21-Dec-2015 22:22:30
Spectrum: Tune Spec :Average 429-431(7.19-7.20) Bgrd 423(7.15)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	657	61.00	3050	82.00	336	141.00	340
37.00	3171	62.00	3152	87.00	2599	143.00	627
38.00	3306	63.00	1984	88.00	2486	147.00	227
39.00	1454	67.00	126	91.00	243	174.00	47104
40.00	33	68.00	5675	92.00	1361	175.00	3251
41.00	435	69.00	5673	93.00	2414	176.00	45824
44.00	460	70.00	526	94.00	6880	177.00	2861
45.00	708	72.00	171	95.00	57656	191.00	645
47.00	1040	73.00	2081	96.00	4090	207.00	902
48.00	322	74.00	9924	104.00	162	208.00	288
49.00	2416	75.00	29360	106.00	131	253.00	79
50.00	14244	76.00	2702	115.00	146	254.00	129
51.00	3915	77.00	720	117.00	302	269.00	124
52.00	140	78.00	155	119.00	338	270.00	30
56.00	945	79.00	1634	130.00	130		
57.00	1569	80.00	545	133.00	526		
60.00	691	81.00	1519	139.00	145		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	07-Dec-2015 13:03:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049002-003				
Operator ID:	LH	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	07-Dec-2015 19:46:17	Calib Date:	07-Dec-2015 19:11:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5808.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK053				
First Level Reviewer: HillL		Date:	07-Dec-2015 13:34:18		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.923	3.923	0.000	0	179086	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

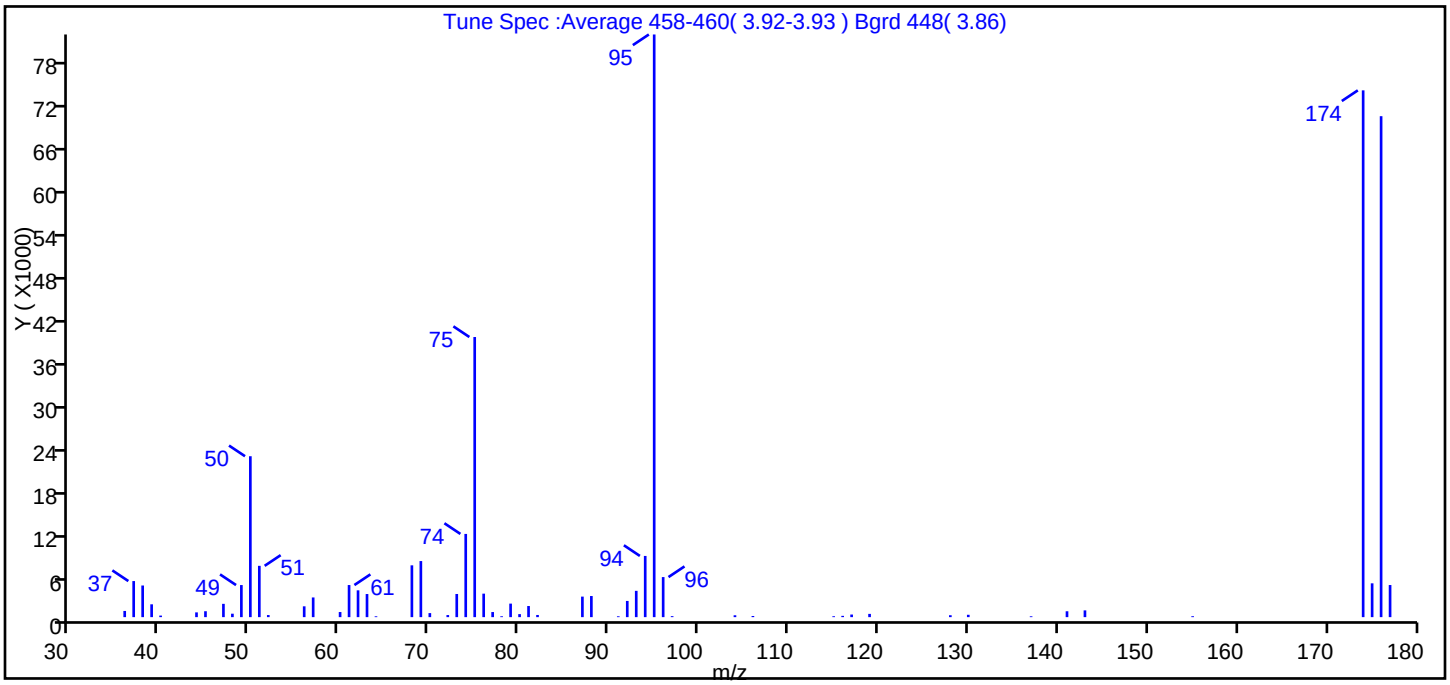
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D
Injection Date: 07-Dec-2015 13:03:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.6
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	5.8 (6.4)
176	Greater than 95% but less than 101% of m/z 174	86.0 (95.1)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5792.D\S-8260.rslt\spectra.d
Injection Date: 07-Dec-2015 13:03:30
Spectrum: Tune Spec :Average 458-460(3.92-3.93) Bgrd 448(3.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	870	60.00	719	79.00	1902	115.00	126
37.00	5072	61.00	4513	80.00	427	116.00	181
38.00	4449	62.00	3770	81.00	1564	117.00	368
39.00	1805	63.00	3250	82.00	305	119.00	458
40.00	220	64.00	119	87.00	2887	128.00	268
44.00	670	68.00	7284	88.00	2969	130.00	332
45.00	831	69.00	7884	91.00	119	137.00	117
47.00	1871	70.00	568	92.00	2277	141.00	828
48.00	485	72.00	294	93.00	3697	143.00	951
49.00	4511	73.00	3256	94.00	8605	155.00	129
50.00	22624	74.00	11700	95.00	81920	174.00	74064
51.00	7214	75.00	39384	96.00	5633	175.00	4754
52.00	294	76.00	3304	97.00	138	176.00	70432
56.00	1522	77.00	717	104.00	263	177.00	4516
57.00	2768	78.00	121	106.00	159		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6420.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Dec-2015 21:02:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049466-002
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 10:32:23 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: goliszekg Date: 22-Dec-2015 10:32:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.909	3.909	0.000	0	154282	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

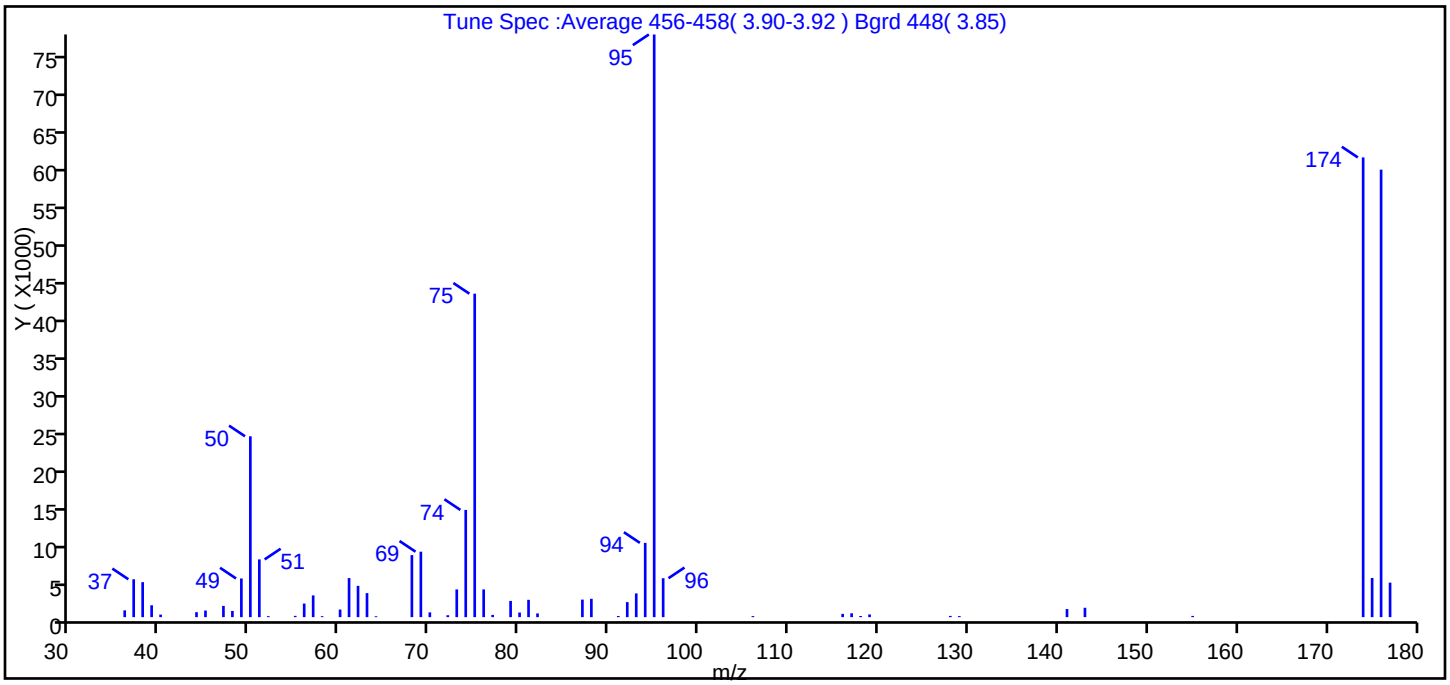
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6420.D
Injection Date: 21-Dec-2015 21:02:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	31.0
75	30 to 60% of m/z 95	55.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.9
175	5 to 9% of m/z 174	6.7 (8.5)
176	Greater than 95% but less than 101% of m/z 174	76.8 (97.3)
177	5 to 9% of m/z 176	5.9 (7.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6420.D\S-8260.rslt\spectra.d
Injection Date: 21-Dec-2015 21:02:30
Spectrum: Tune Spec :Average 456-458(3.90-3.92) Bgrd 448(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	897	57.00	2874	77.00	296	117.00	510
37.00	5009	58.00	124	79.00	2145	118.00	151
38.00	4627	60.00	1008	80.00	611	119.00	358
39.00	1571	61.00	5167	81.00	2289	128.00	165
40.00	336	62.00	4138	82.00	490	129.00	139
44.00	660	63.00	3180	87.00	2320	141.00	1071
45.00	875	64.00	118	88.00	2427	143.00	1241
47.00	1485	68.00	8204	91.00	150	155.00	164
48.00	820	69.00	8655	92.00	1988	174.00	60784
49.00	5113	70.00	631	93.00	3137	175.00	5181
50.00	23912	72.00	254	94.00	9820	176.00	59168
51.00	7635	73.00	3664	95.00	77040	177.00	4561
52.00	132	74.00	14174	96.00	5147		
55.00	170	75.00	42768	106.00	138		
56.00	1795	76.00	3668	116.00	434		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Dec-2015 10:30:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0049479-002				
Operator ID:	gtg	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	22-Dec-2015 10:41:34	Calib Date:	07-Dec-2015 19:56:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK004				
First Level Reviewer: goliszekg		Date:	22-Dec-2015 10:41:34		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.940	3.940	0.000	0	208417	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

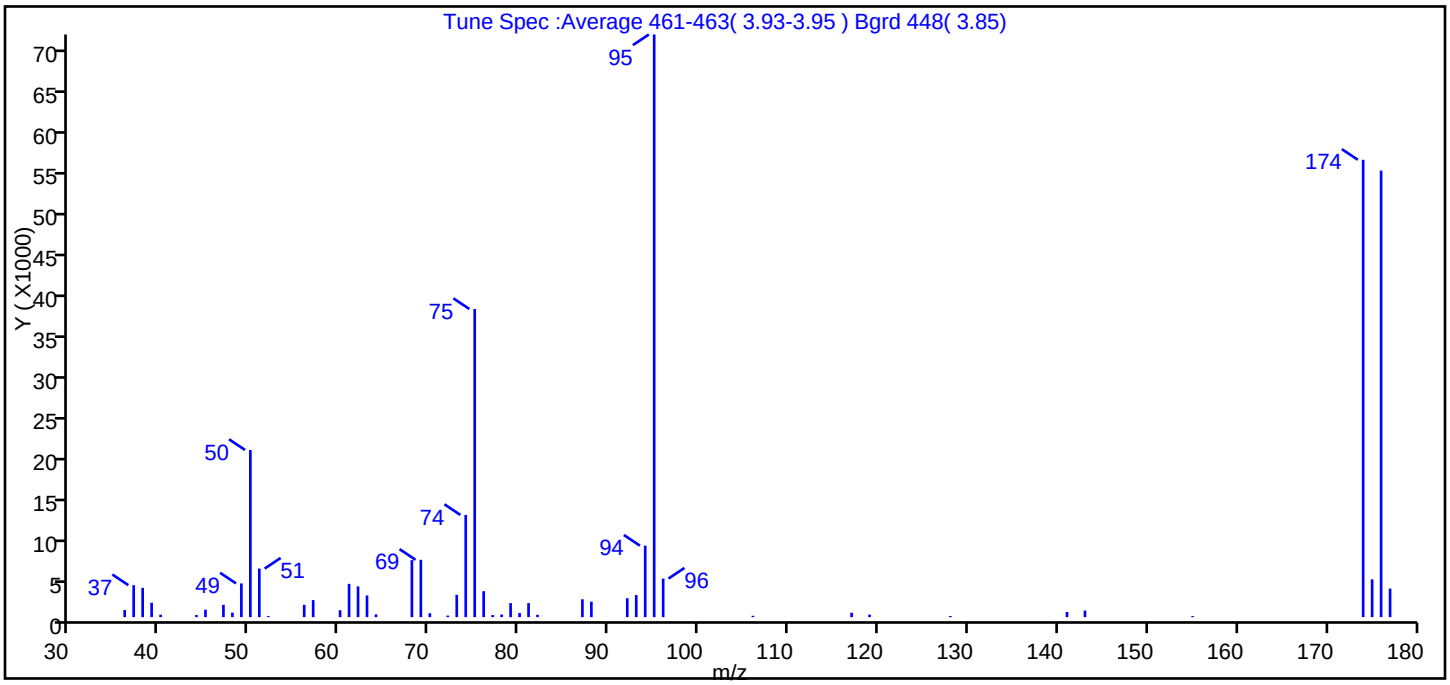
BFB_WRK_00050 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D
Injection Date: 22-Dec-2015 10:30:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.7
75	30 to 60% of m/z 95	52.9
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.5
175	5 to 9% of m/z 174	6.5 (8.3)
176	Greater than 95% but less than 101% of m/z 174	76.6 (97.6)
177	5 to 9% of m/z 176	4.9 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151222-49479.b\S6452.D\S-8260.rslt\spectra.d
Injection Date: 22-Dec-2015 10:30:30
Spectrum: Tune Spec :Average 461-463(3.93-3.95) Bgrd 448(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	867	56.00	1503	75.00	37552	95.00	71008
37.00	3898	57.00	2078	76.00	3165	96.00	4700
38.00	3571	60.00	839	77.00	252	106.00	165
39.00	1751	61.00	4058	78.00	322	117.00	532
40.00	299	62.00	3745	79.00	1711	119.00	309
44.00	262	63.00	2640	80.00	500	128.00	141
45.00	910	64.00	334	81.00	1704	141.00	625
47.00	1501	68.00	6951	82.00	286	143.00	805
48.00	550	69.00	6989	87.00	2180	155.00	130
49.00	4110	70.00	475	88.00	1887	174.00	55736
50.00	20376	72.00	194	92.00	2303	175.00	4603
51.00	5916	73.00	2722	93.00	2692	176.00	54424
52.00	133	74.00	12453	94.00	8714	177.00	3484

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280259/2-A

Matrix: Solid | Lab File ID: P2449.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.12(g) | Date Analyzed: 12/17/2015 13:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.63
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.4
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.68
78-93-3	2-Butanone (MEK)	2.10	J	24	1.8
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	6.51	J	24	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.65
75-25-2	Bromoform	ND		4.9	2.4
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.4
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND		4.9	0.64
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.70
110-82-7	Cyclohexane	ND		4.9	0.68
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280259/2-A

Matrix: Solid | Lab File ID: P2449.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.12(g) | Date Analyzed: 12/17/2015 13:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	2.9
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.74
75-09-2	Methylene Chloride	ND		4.9	2.2
100-42-5	Styrene	ND		4.9	0.24
127-18-4	Tetrachloroethene	ND		4.9	0.66
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.50
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.1
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.8	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2449.D
Lims ID: MB 480-280259/2-A
Client ID:
Sample Type: MB
Inject. Date: 17-Dec-2015 13:02:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-280259/2-A
Misc. Info.: 480-0049333-007
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:29:14 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 13:30:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	378290	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	90	777455	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	768925	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.079	0.012	92	499045	50.0	51.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	308842	50.0	52.8	
$ 5 Toluene-d8 (Surr)	98	11.884	11.877	0.007	94	1706611	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	88	579875	50.0	49.0	
15 Chlorodifluoromethane	51		4.042					ND	
10 Dichlorodifluoromethane	85		4.042					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.577					ND	
149 Butadiene	54		4.595					ND	
12 Bromomethane	94		5.125					ND	
13 Chloroethane	64		5.246					ND	
19 Dichlorofluoromethane	67		5.563					ND	
14 Trichlorofluoromethane	101		5.678					ND	
146 Ethanol	45		5.836					ND	
20 Ethyl ether	59		5.964					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.220					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.311					ND	
25 1,1-Dichloroethene	96		6.378					ND	
24 Acetone	43	6.408	6.396	0.012	96	28909		6.67	
23 Isopropyl alcohol	45		6.500					ND	
18 Iodomethane	142		6.633					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.779					ND	
29 Acetonitrile	40		6.792					ND	
33 2-Methyl-2-propanol	59		6.999					ND	
32 Methyl tert-butyl ether	73		7.224					ND	
34 Acrylonitrile	53		7.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 trans-1,2-Dichloroethene	96		7.303					ND	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.741					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.911					ND	
42 Tert-butyl ethyl ether	59		8.179					ND	
46 Ethyl acetate	43		8.465					ND	
44 2-Butanone (MEK)	43	8.489	8.477	0.012	97	13733		2.15	
43 cis-1,2-Dichloroethene	96		8.525					ND	
45 2,2-Dichloropropane	77		8.532					ND	
47 Propionitrile	54		8.598					ND	
48 Methacrylonitrile	41		8.769					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.872					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.146					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.292					ND	
56 1,1-Dichloropropene	75		9.316					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.426					ND	
150 Isooctane	57		9.554					ND	
58 Tert-amyl methyl ether	73		9.584					ND	
57 Benzene	78		9.596					ND	
59 n-Heptane	43		9.718					ND	
1 1,4-Difluorobenzene	114		9.967					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.326					ND	
62 Trichloroethene	95		10.351					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.624					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.782					ND	
69 Dibromomethane	93		10.855					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.257					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	98	10258		0.7964	
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	
79 1,1,2-Trichloroethane	83		12.516					ND	
80 Tetrachloroethene	166		12.711					ND	
83 2-Hexanone	43	12.735	12.723	0.012	96	12160		1.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
82 1,3-Dichloropropane	76		12.754					ND	
156 n-Butyl acetate	43		12.808					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.295					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.751					ND	
87 Chlorobenzene	112		13.879					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.633					ND	
91 2-Chlorobenzotrifluoride	180		14.931					ND	
92 Bromoform	173		15.004					ND	
95 Isopropylbenzene	105		15.077					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
100 Bromobenzene	156		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
104 3-Chlorotoluene	126	15.935	15.862	0.073	89	605		NC	
106 tert-Butylbenzene	134		16.239					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	95	12998		0.2613	
110 1,3-Dichlorobenzene	146		16.750					ND	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
111 1,4-Dichlorobenzene	146		16.860					ND	
114 Dicyclopentadiene	66	16.823	16.878	-0.055	45	15719		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.341					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.810	19.811	-0.001	97	33582		0.9223	
122 1,2,3-Trichlorobenzene	180	20.163	20.169	-0.006	88	4549		0.3053	
147 2-Methylnaphthalene	142	21.648	21.642	0.006	93	9102		3.34	M
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

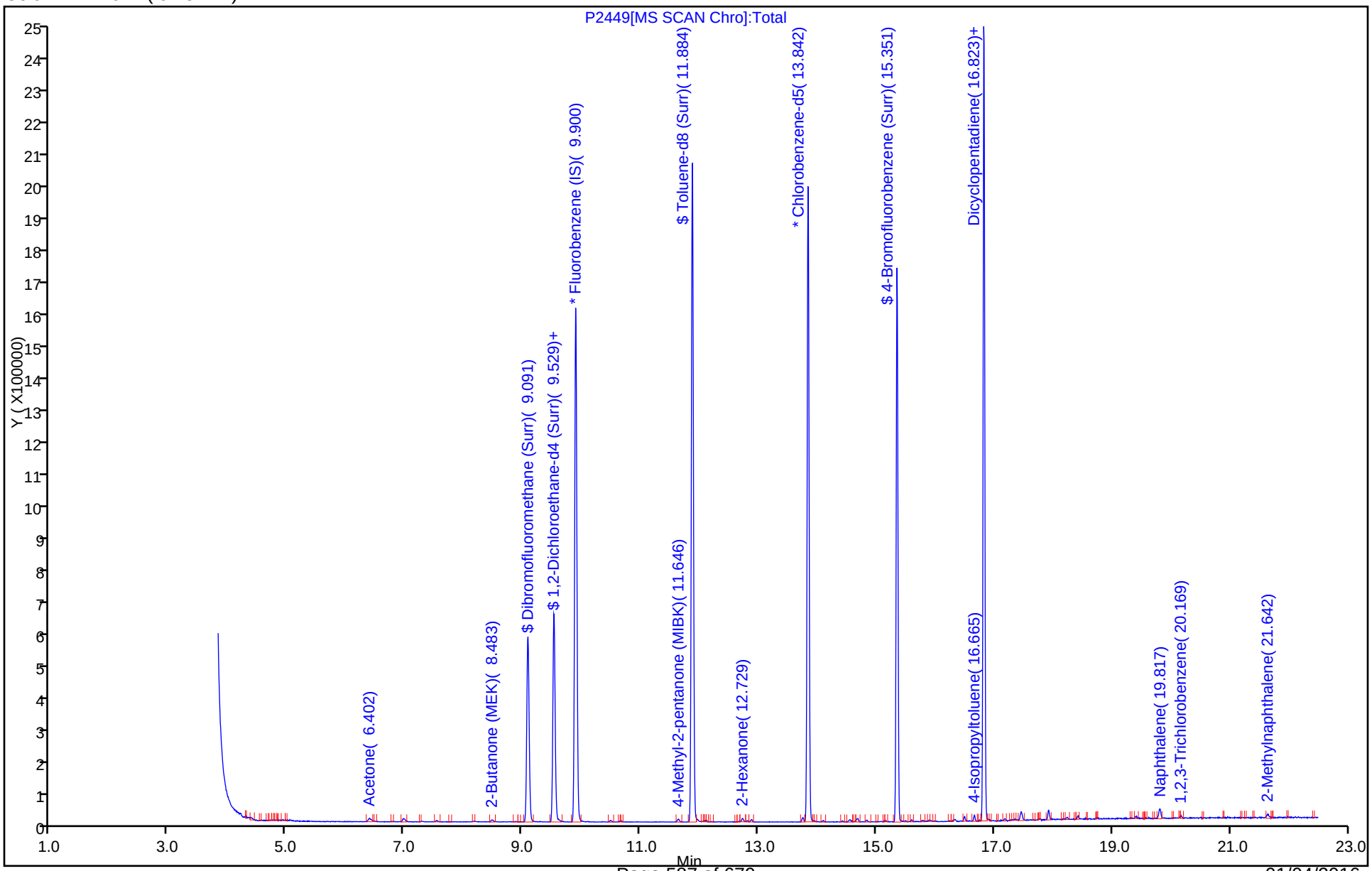
Report Date: 17-Dec-2015 13:30:20 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2449.D

Injection Date:	17-Dec-2015 13:02:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	MB 480-280259/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



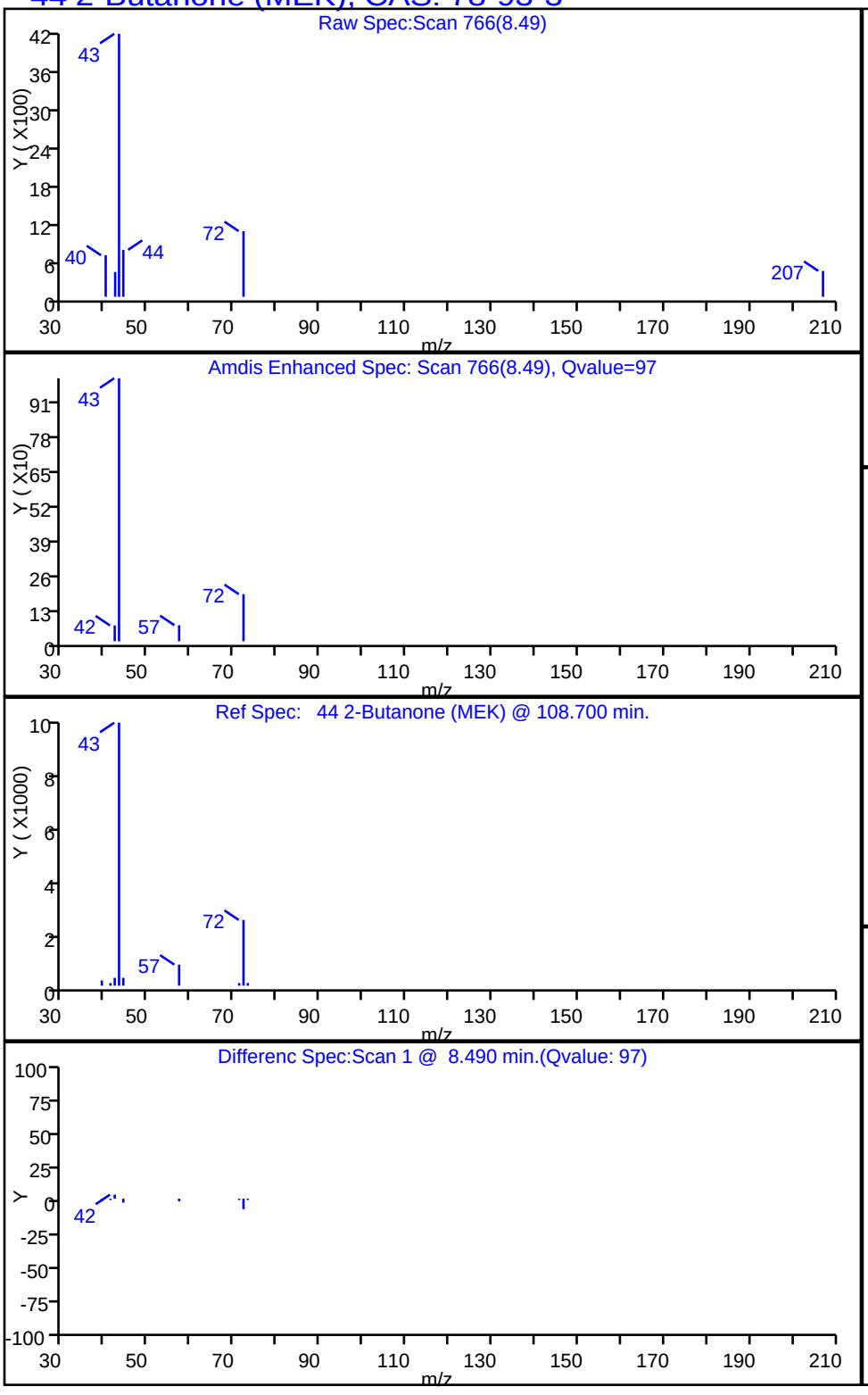
Report Date: 17-Dec-2015 13:30:20 Chrom Revision: 2.2 02-Dec-2015 11:51:48

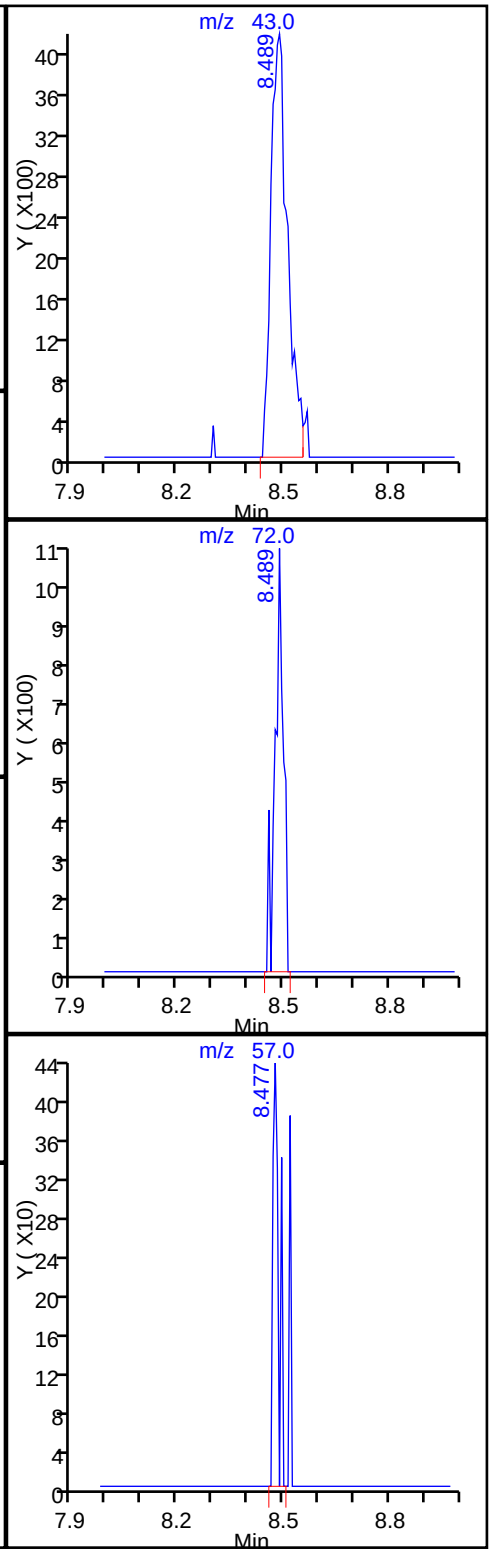
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2449.D

Injection Date:	17-Dec-2015 13:02:30	Instrument ID:	HP5973P		
Lims ID:	MB 480-280259/2-A				
Client ID:					
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

44 2-Butanone (MEK), CAS: 78-93-3

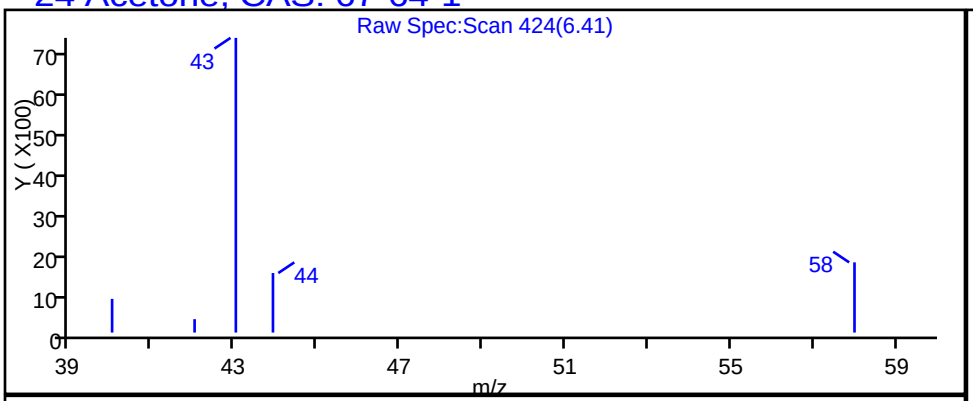


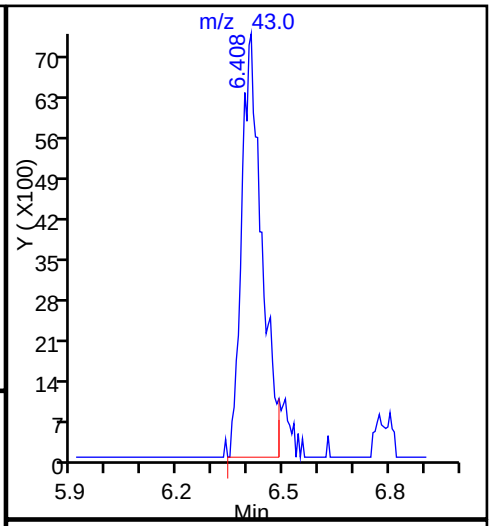


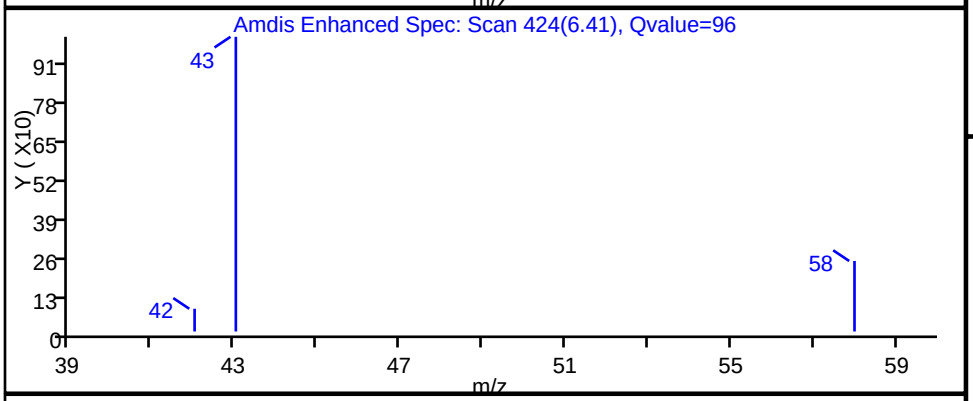
TestAmerica Buffalo

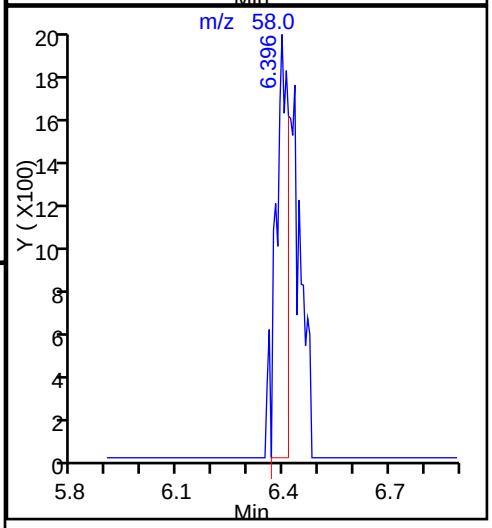
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2449.D
Injection Date: 17-Dec-2015 13:02:30 Instrument ID: HP5973P
Lims ID: MB 480-280259/2-A
Client ID:
Operator ID: CDC ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

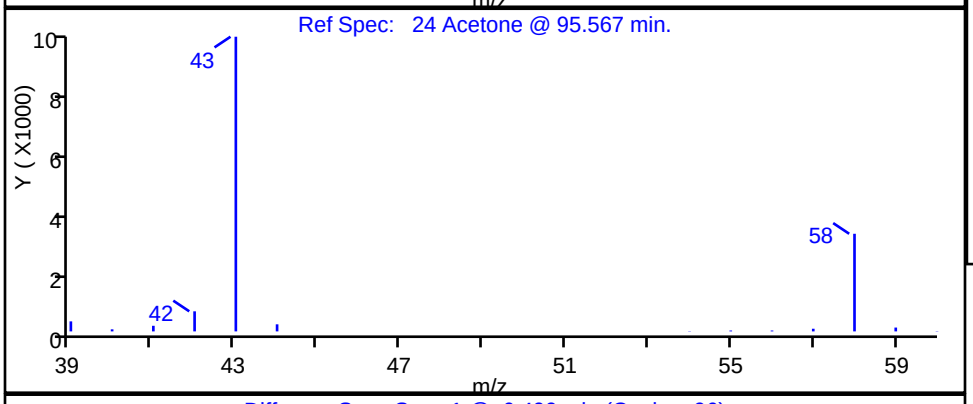
24 Acetone, CAS: 67-64-1

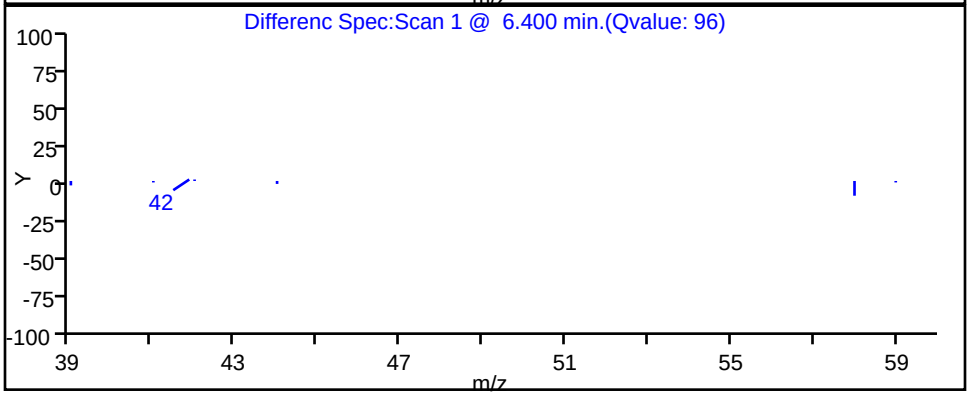












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280425/2-A

Matrix: Solid | Lab File ID: P2475.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.11(g) | Date Analyzed: 12/18/2015 01:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.64
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.4
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.68
78-93-3	2-Butanone (MEK)	ND		24	1.8
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	6.35	J	24	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.66
75-25-2	Bromoform	ND		4.9	2.4
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.4
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND		4.9	0.65
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.70
110-82-7	Cyclohexane	ND		4.9	0.68
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280425/2-A

Matrix: Solid | Lab File ID: P2475.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.11(g) | Date Analyzed: 12/18/2015 01:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	3.0
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.74
75-09-2	Methylene Chloride	ND		4.9	2.3
100-42-5	Styrene	ND		4.9	0.24
127-18-4	Tetrachloroethene	ND		4.9	0.66
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.50
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.2
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.8	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126
2037-26-5	Toluene-d8 (Surr)	99		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2475.D
Lims ID: MB 480-280425/2-A
Client ID:
Sample Type: MB
Inject. Date: 18-Dec-2015 01:43:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-280425/2-A
Misc. Info.: 480-0049361-006
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 02:35:10 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: diasn Date: 18-Dec-2015 02:35:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	375490	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.843	0.000	89	769306	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.824	0.006	97	738546	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	92	488936	50.0	50.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	298477	50.0	51.4	
$ 5 Toluene-d8 (Surr)	98	11.878	11.878	0.000	93	1660808	50.0	49.3	
$ 6 4-Bromofluorobenzene (Surr	174	15.357	15.351	0.006	90	545541	50.0	46.5	
10 Dichlorodifluoromethane	85		4.024					ND	
15 Chlorodifluoromethane	51		4.054					ND	
11 Chloromethane	50		4.334					ND	
17 Vinyl chloride	62		4.565					ND	
149 Butadiene	54		4.583					ND	
12 Bromomethane	94		5.113					ND	
13 Chloroethane	64		5.240					ND	
19 Dichlorofluoromethane	67		5.551					ND	
14 Trichlorofluoromethane	101		5.660					ND	
146 Ethanol	45		5.849					ND	
20 Ethyl ether	59		5.958					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.208					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.299					ND	
25 1,1-Dichloroethene	96		6.366					ND	
24 Acetone	43	6.396	6.384	0.012	97	27926		6.49	
23 Isopropyl alcohol	45		6.506					ND	
18 Iodomethane	142		6.621					ND	
30 Methyl acetate	43		6.761					ND	
27 Carbon disulfide	76		6.767					ND	
28 3-Chloro-1-propene	41		6.798					ND	
29 Acetonitrile	40		6.822					ND	
33 2-Methyl-2-propanol	59		6.993					ND	
32 Methyl tert-butyl ether	73		7.224					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		7.266					ND	
35 trans-1,2-Dichloroethene	96		7.297					ND	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.753					ND	
38 Vinyl acetate	43		7.765					ND	
40 1,1-Dichloroethane	63		7.820					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.917					ND	
42 Tert-butyl ethyl ether	59		8.191					ND	
46 Ethyl acetate	43		8.471					ND	
44 2-Butanone (MEK)	43		8.471					ND	
43 cis-1,2-Dichloroethene	96		8.519					ND	
45 2,2-Dichloropropane	77		8.526					ND	
47 Propionitrile	54		8.611					ND	
48 Methacrylonitrile	41		8.775					ND	
50 Chlorobromomethane	128		8.836					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.140					ND	
54 Cyclohexane	56		9.207					ND	
53 Isobutyl alcohol	43		9.286					ND	
56 1,1-Dichloropropene	75		9.310					ND	
55 Carbon tetrachloride	117		9.347					ND	
145 t-Amyl alcohol	59		9.432					ND	
150 Isooctane	57		9.560					ND	
57 Benzene	78		9.590					ND	
58 Tert-amyl methyl ether	73		9.596					ND	
59 n-Heptane	43		9.712					ND	
1 1,4-Difluorobenzene	114		9.973					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.332					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.630					ND	
63 1,2-Dichloropropane	63		10.655					ND	
68 1,4-Dioxane	88		10.783					ND	
69 Dibromomethane	93		10.849					ND	
70 Dichlorobromomethane	83		10.983					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.263					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	61	8135		0.6383	M
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.224					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	
80 Tetrachloroethene	166		12.711					ND	
83 2-Hexanone	43	12.729	12.723	0.006	97	10588		1.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
82 1,3-Dichloropropane	76		12.748					ND	
156 n-Butyl acetate	43	12.814	12.808	0.006	96	8920		0.4172	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.289					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.879					ND	
89 Ethylbenzene	91		13.946					ND	
88 1,1,1,2-Tetrachloroethane	131		13.958					ND	
90 m-Xylene & p-Xylene	106		14.086					ND	
93 o-Xylene	106		14.633					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.938					ND	
92 Bromoform	173		15.011					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.321					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
100 Bromobenzene	156		15.595					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
102 1,3,5-Trimethylbenzene	105		15.802					ND	
104 3-Chlorotoluene	126		15.862					ND	
105 4-Chlorotoluene	126		15.923					ND	
106 tert-Butylbenzene	134		16.240					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.665	16.665	0.000	96	11840		0.2478	
110 1,3-Dichlorobenzene	146		16.751					ND	
111 1,4-Dichlorobenzene	146		16.854					ND	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
114 Dicyclopentadiene	66	16.830	16.884	-0.054	45	17084		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.347					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.811	19.811	0.000	97	25907		0.7168	
122 1,2,3-Trichlorobenzene	180		20.170					ND	
147 2-Methylnaphthalene	142	21.648	21.642	0.006	86	6632		3.20	M
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
155 Ethylene oxide TIC	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	
T 138 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

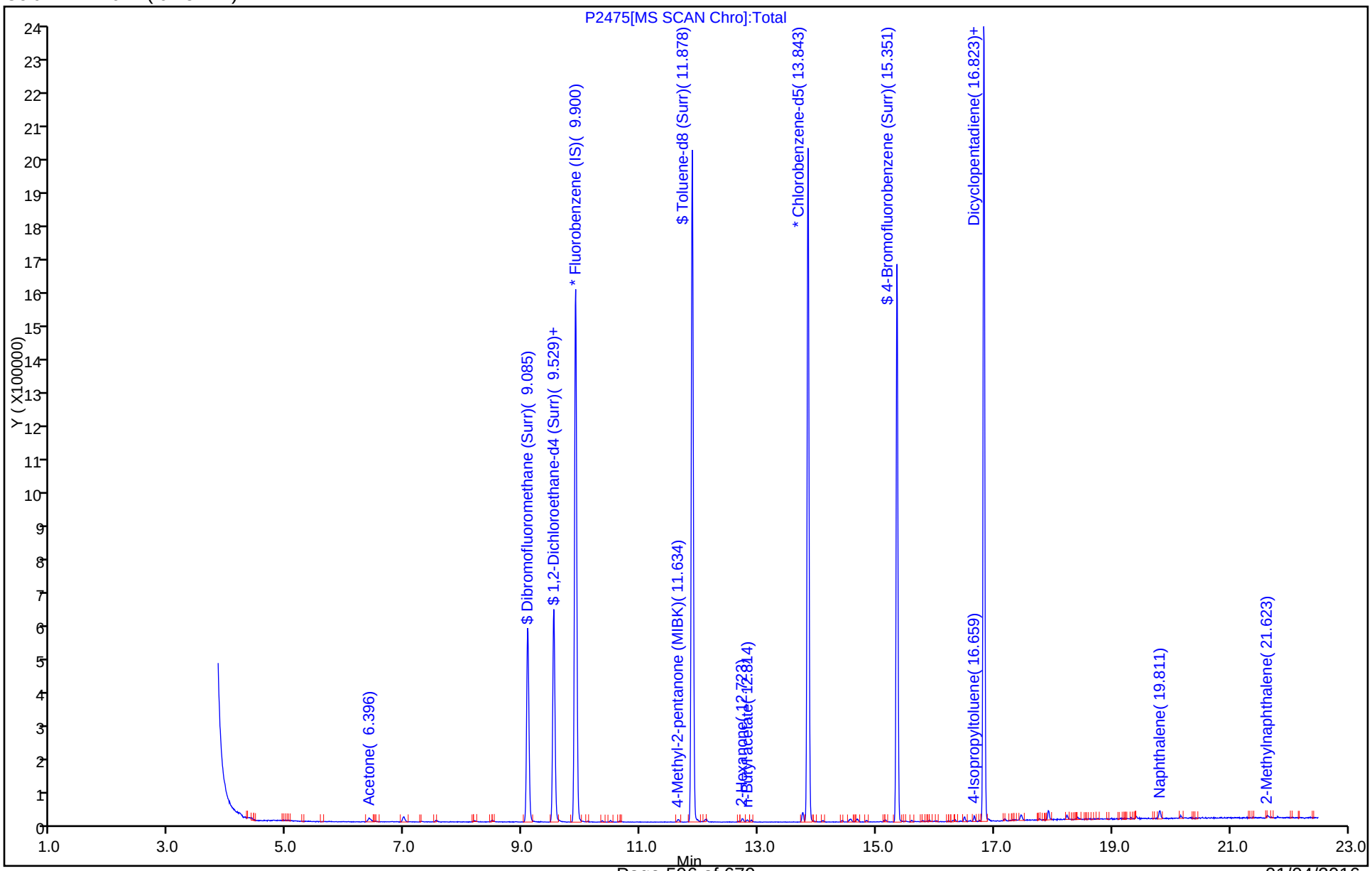
Report Date: 18-Dec-2015 02:35:13 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2475.D

Injection Date:	18-Dec-2015 01:43:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	MB 480-280425/2-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

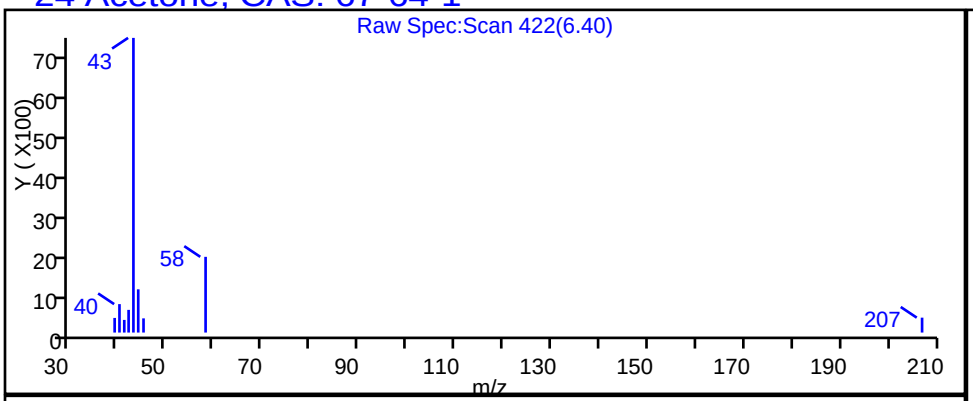
Column: ZB-624 (0.25 mm)

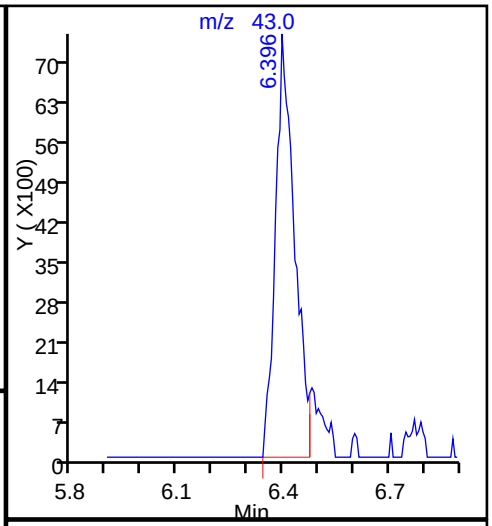


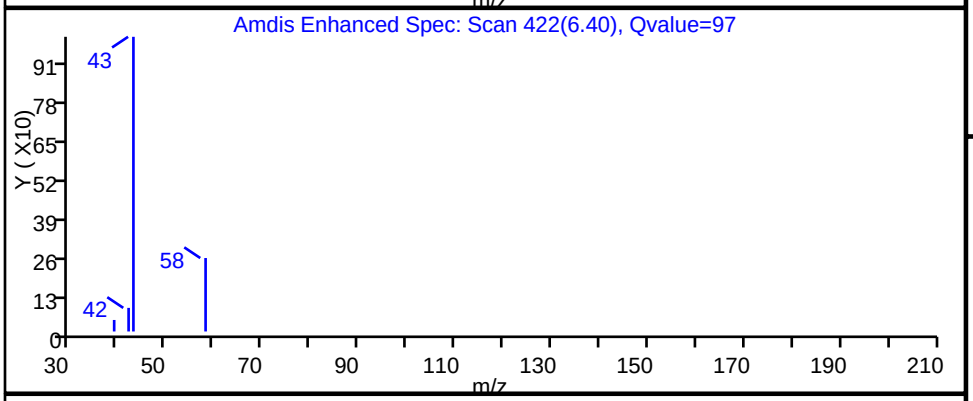
TestAmerica Buffalo

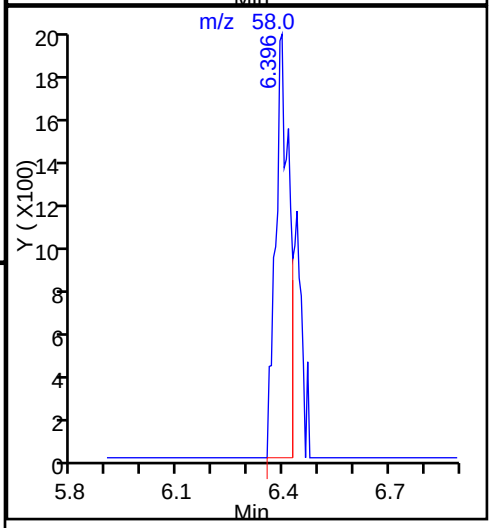
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2475.D
Injection Date: 18-Dec-2015 01:43:30 Instrument ID: HP5973P
Lims ID: MB 480-280425/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

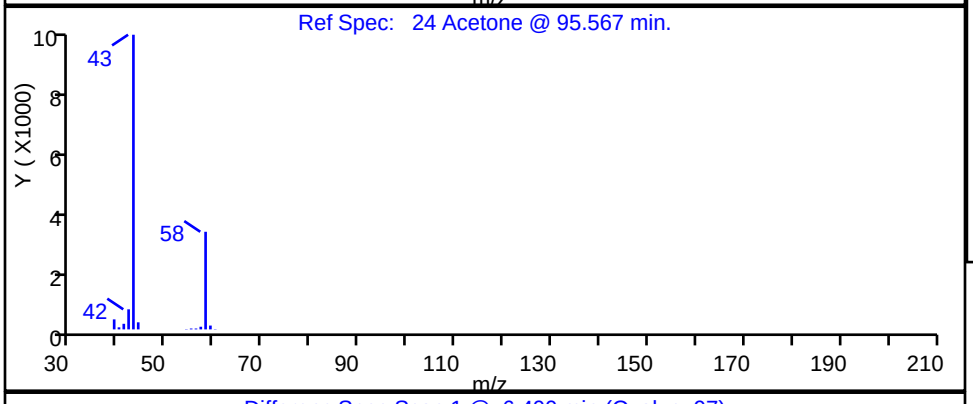
24 Acetone, CAS: 67-64-1

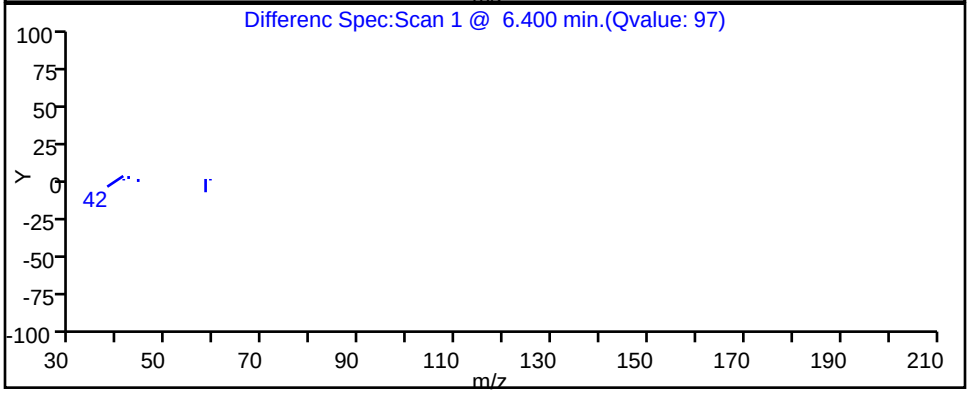












Manual Integration/User Assign Peak Report

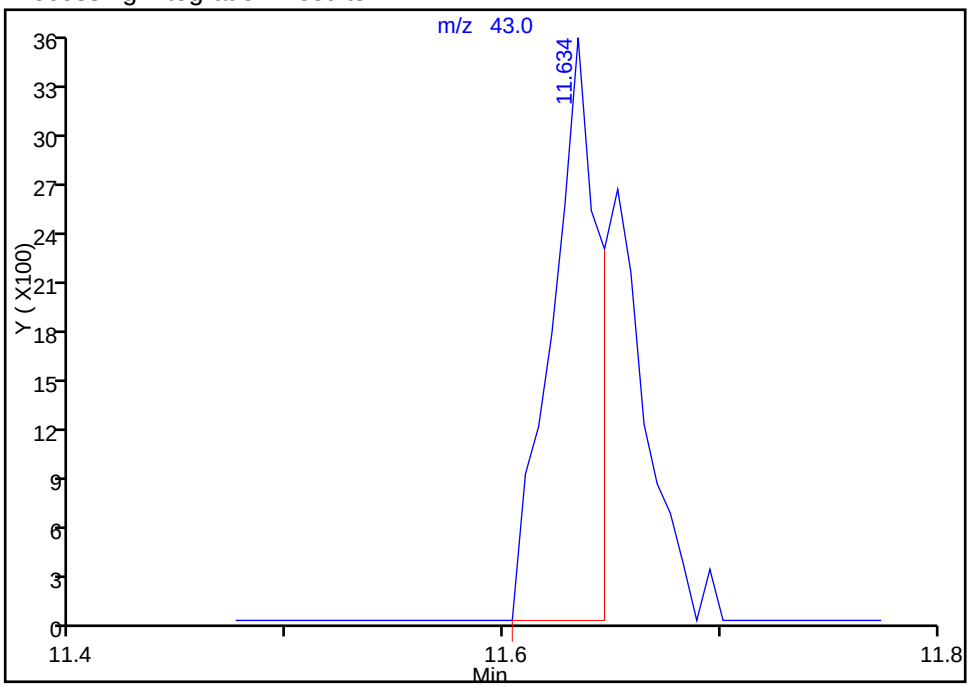
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2475.D
Injection Date: 18-Dec-2015 01:43:30 Instrument ID: HP5973P
Lims ID: MB 480-280425/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

75 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

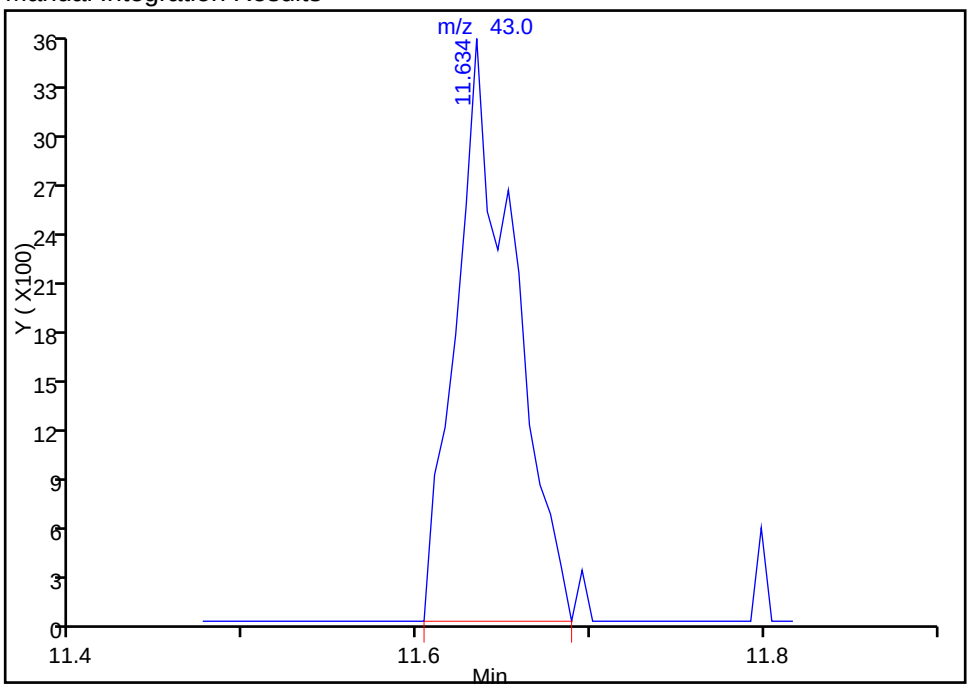
Processing Integration Results

RT: 11.63
Area: 5319
Amount: 0.417320
Amount Units: ug/L



Manual Integration Results

RT: 11.63
Area: 8135
Amount: 0.638258
Amount Units: ug/L



Reviewer: diasn, 18-Dec-2015 02:35:10
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280904/3-A

Matrix: Solid | Lab File ID: S6427.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 12/22/2015 01:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		98	27
79-34-5	1,1,2,2-Tetrachloroethane	ND		98	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		98	49
79-00-5	1,1,2-Trichloroethane	ND		98	21
75-34-3	1,1-Dichloroethane	ND		98	30
75-35-4	1,1-Dichloroethene	ND		98	34
120-82-1	1,2,4-Trichlorobenzene	ND		98	37
96-12-8	1,2-Dibromo-3-Chloropropane	ND		98	49
106-93-4	1,2-Dibromoethane	ND		98	17
95-50-1	1,2-Dichlorobenzene	ND		98	25
107-06-2	1,2-Dichloroethane	ND		98	40
78-87-5	1,2-Dichloropropane	ND		98	16
541-73-1	1,3-Dichlorobenzene	ND		98	26
106-46-7	1,4-Dichlorobenzene	ND		98	14
78-93-3	2-Butanone (MEK)	ND		490	290
591-78-6	2-Hexanone	ND		490	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		490	31
67-64-1	Acetone	ND		490	400
71-43-2	Benzene	ND		98	19
75-27-4	Bromodichloromethane	ND		98	20
75-25-2	Bromoform	ND		98	49
74-83-9	Bromomethane	ND		98	22
75-15-0	Carbon disulfide	ND		98	45
56-23-5	Carbon tetrachloride	ND		98	25
108-90-7	Chlorobenzene	ND		98	13
75-00-3	Chloroethane	ND		98	20
67-66-3	Chloroform	ND		98	67
74-87-3	Chloromethane	ND		98	23
156-59-2	cis-1,2-Dichloroethene	ND		98	27
10061-01-5	cis-1,3-Dichloropropene	ND		98	23
110-82-7	Cyclohexane	ND		98	22
124-48-1	Dibromochloromethane	ND		98	47
75-71-8	Dichlorodifluoromethane	ND		98	43
100-41-4	Ethylbenzene	ND		98	29
98-82-8	Isopropylbenzene	ND		98	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280904/3-A

Matrix: Solid | Lab File ID: S6427.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 12/22/2015 01:25

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280912 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		98	47
1634-04-4	Methyl tert-butyl ether	ND		98	37
108-87-2	Methylcyclohexane	ND		98	46
75-09-2	Methylene Chloride	ND		98	19
100-42-5	Styrene	ND		98	24
127-18-4	Tetrachloroethene	ND		98	13
108-88-3	Toluene	ND		98	26
156-60-5	trans-1,2-Dichloroethene	ND		98	23
10061-02-6	trans-1,3-Dichloropropene	ND		98	9.6
79-01-6	Trichloroethene	ND		98	27
75-69-4	Trichlorofluoromethane	ND		98	46
75-01-4	Vinyl chloride	ND		98	33
1330-20-7	Xylenes, Total	ND		200	54

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
2037-26-5	Toluene-d8 (Surr)	101		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6427.D
Lims ID: MB 480-280904/3-A
Client ID:
Sample Type: MB
Inject. Date: 22-Dec-2015 01:25:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-280904/3-A
Misc. Info.: 480-0049466-010
Operator ID: GF Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 01:44:36 Calib Date: 07-Dec-2015 19:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20151207-49002.b\S5810.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: fortaing Date: 22-Dec-2015 01:44:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.398	5.404	-0.006	97	105467	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.391	8.391	0.000	90	209278	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.782	10.782	0.000	96	197763	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.808	4.808	0.000	54	110300	27.2	23.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.112	5.118	-0.006	0	84899	27.2	26.0	
$ 5 Toluene-d8 (Surr)	98	6.913	6.919	-0.006	95	505764	27.2	27.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.644	9.644	0.000	86	149794	27.2	25.3	
10 Dichlorodifluoromethane	85		1.243					ND	
11 Chlorodifluoromethane	51		1.267					ND	
12 Chloromethane	50		1.401					ND	
13 Vinyl chloride	62		1.505					ND	
151 Butadiene	54		1.535					ND	
14 Bromomethane	94		1.821					ND	
15 Chloroethane	64		1.912					ND	
16 Dichlorofluoromethane	67		2.131					ND	
17 Trichlorofluoromethane	101		2.143					ND	
148 Ethanol	45		2.405					ND	
18 Ethyl ether	59		2.417					ND	
19 Propene oxide	58		2.491					ND	
20 Acrolein	56		2.575					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.654					ND	
22 1,1-Dichloroethene	96		2.654					ND	
23 Acetone	43		2.733					ND	
25 Iodomethane	142		2.813					ND	
26 Carbon disulfide	76		2.849					ND	
24 Isopropyl alcohol	45		2.916					ND	
28 3-Chloro-1-propene	41		2.995					ND	
29 Acetonitrile	40		3.025					ND	
27 Methyl acetate	43		3.038					ND	
30 Methylene Chloride	84		3.159					ND	
31 2-Methyl-2-propanol	59		3.293					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.366					ND	
34 trans-1,2-Dichloroethene	96		3.372					ND	
33 Acrylonitrile	53		3.397					ND	
35 Hexane	57		3.591					ND	
39 1,1-Dichloroethane	63		3.786					ND	
139 Halothane	117		3.822					ND	
36 Isopropyl ether	45		3.822					ND	
37 Vinyl acetate	43		3.841					ND	
40 2-Chloro-1,3-butadiene	53		3.853					ND	
38 1,1-Dimethoxyethane	75		3.885					ND	
41 Tert-butyl ethyl ether	59		4.163					ND	
44 2,2-Dichloropropane	77		4.315					ND	
45 cis-1,2-Dichloroethene	96		4.340					ND	
43 2-Butanone (MEK)	43		4.370					ND	
42 Ethyl acetate	43	4.394	4.413	-0.019	1	2022		0.3630	
46 Propionitrile	54		4.455					ND	
48 Chlorobromomethane	128		4.571					ND	
47 Methacrylonitrile	41		4.577					ND	
49 Tetrahydrofuran	42		4.601					ND	
50 Chloroform	83		4.656					ND	
51 1,1,1-Trichloroethane	97		4.778					ND	
52 Cyclohexane	56		4.808					ND	
55 Carbon tetrachloride	117		4.924					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
54 1,1-Dichloropropene	75		4.936					ND	
57 Benzene	78		5.130					ND	
53 Isobutyl alcohol	43		5.130					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.161					ND	
58 1,2-Dichloroethane	62		5.185					ND	
147 t-Amyl alcohol	59		5.191					ND	
56 Tert-amyl methyl ether	73		5.222					ND	
59 n-Heptane	43	5.337	5.337	0.000	4	1564		0.1367	
1 1,4-Difluorobenzene	114		5.514					ND	
62 Trichloroethene	95		5.745					ND	
60 n-Butanol	56		5.751					ND	
142 Ethyl acrylate	55		5.867					ND	
64 Methylcyclohexane	83		5.885					ND	
65 1,2-Dichloropropane	63		5.976					ND	
63 Methyl methacrylate	41		6.086					ND	
67 Dibromomethane	93		6.110					ND	
66 1,4-Dioxane	88		6.122					ND	
68 Dichlorobromomethane	83		6.262					ND	
70 2-Nitropropane	43		6.493					ND	
69 2-Chloroethyl vinyl ether	63		6.548					ND	
71 Epichlorohydrin	57		6.625					ND	
72 cis-1,3-Dichloropropene	75		6.682					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.828					ND	
74 Toluene	92		6.980					ND	
76 2-Methylthiophene	97		7.114					ND	
78 3-Methylthiophene	97		7.114					ND	
77 trans-1,3-Dichloropropene	75		7.248					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.308					ND	
79 1,1,2-Trichloroethane	83		7.430					ND	
81 Tetrachloroethene	166		7.521					ND	
82 1,3-Dichloropropane	76		7.594					ND	
80 2-Hexanone	43		7.667					ND	
155 n-Butyl acetate	43		7.789					ND	
83 Chlorodibromomethane	129		7.832					ND	
84 Ethylene Dibromide	107		7.935					ND	
146 1-Chlorohexane	55		8.385					ND	
85 3-Chlorobenzotrifluoride	180		8.397					ND	
87 Chlorobenzene	112		8.422					ND	
86 4-Chlorobenzotrifluoride	180		8.458					ND	
89 1,1,1,2-Tetrachloroethane	131		8.519					ND	
88 Ethylbenzene	91		8.525					ND	
90 m-Xylene & p-Xylene	106		8.647					ND	
91 o-Xylene	106		9.073					ND	
92 Styrene	104		9.097					ND	
95 Bromoform	173		9.328					ND	
93 2-Chlorobenzotrifluoride	180		9.371					ND	
94 Isopropylbenzene	105		9.456					ND	
96 Cyclohexanone	55		9.602					ND	
101 Bromobenzene	156		9.797					ND	
97 1,1,2,2-Tetrachloroethane	83		9.833					ND	
100 1,2,3-Trichloropropane	110		9.870					ND	
98 trans-1,4-Dichloro-2-buten	53		9.882					ND	
99 N-Propylbenzene	91		9.888					ND	
103 2-Chlorotoluene	126		9.985					ND	
104 3-Chlorotoluene	126		10.046					ND	
102 1,3,5-Trimethylbenzene	105		10.064					ND	
105 4-Chlorotoluene	126		10.095					ND	
106 tert-Butylbenzene	134		10.381					ND	
108 Pentachloroethane	167		10.429					ND	
107 1,2,4-Trimethylbenzene	105		10.435					ND	
109 sec-Butylbenzene	105		10.593					ND	
111 1,3-Dichlorobenzene	146		10.721					ND	
110 4-Isopropyltoluene	119		10.733					ND	
114 Dicyclopentadiene	66		10.800					ND	
113 1,4-Dichlorobenzene	146		10.806					ND	
112 1,2,3-Trimethylbenzene	105		10.843					ND	
150 Benzyl chloride	126		10.946					ND	
115 n-Butylbenzene	91		11.117					ND	
116 1,2-Dichlorobenzene	146		11.159					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.877					ND	
118 1,3,5-Trichlorobenzene	180		12.029					ND	
119 1,2,4-Trichlorobenzene	180		12.565					ND	
120 Hexachlorobutadiene	225		12.686					ND	
121 Naphthalene	128		12.771					ND	
122 1,2,3-Trichlorobenzene	180		12.978					ND	
149 2-Methylnaphthalene	142		13.684					ND	
137 Methyl acrylate	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	44		1.528					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	

Reagents:

S_8260_IS_00133	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00122	Amount Added:	1.00	Units: uL	Run Reagent

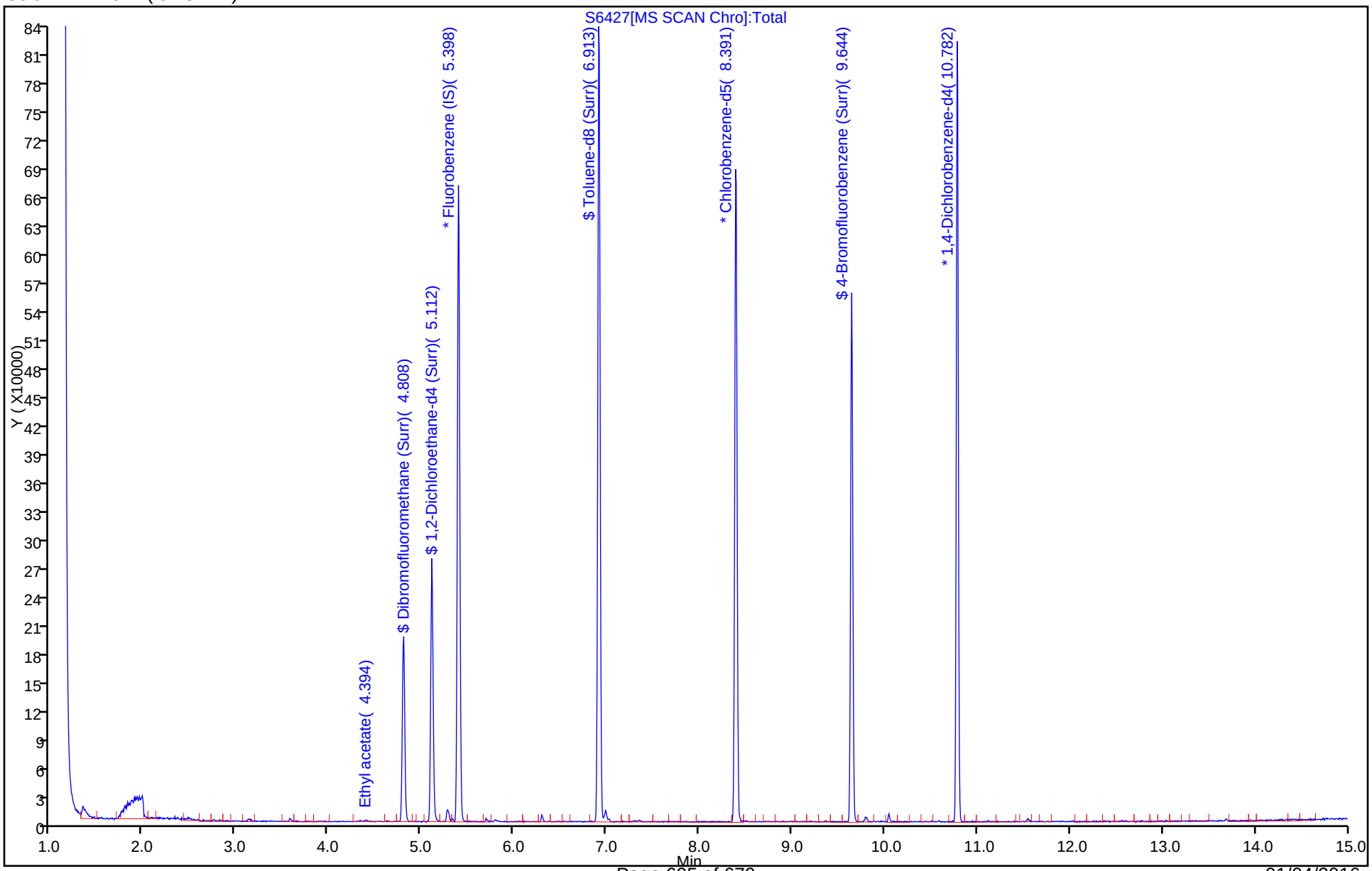
Report Date: 22-Dec-2015 01:44:36 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20151221-49466.b\S6427.D

Injection Date:	22-Dec-2015 01:25:30	Instrument ID:	HP5973S	Operator ID:	GF
Lims ID:	MB 480-280904/3-A			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280931/2-A

Matrix: Solid | Lab File ID: P2534.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/22/2015 00:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.64
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.25
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.69
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	6.00	J	25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.66
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.65
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.71
110-82-7	Cyclohexane	ND		5.0	0.69
124-48-1	Dibromochloromethane	ND		5.0	0.63
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-280931/2-A

Matrix: Solid | Lab File ID: P2534.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.04(g) | Date Analyzed: 12/22/2015 00:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.75
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2534.D
Lims ID: MB 480-280931/2-A
Client ID:
Sample Type: MB
Inject. Date: 22-Dec-2015 00:47:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-280931/2-A
Misc. Info.: 480-0049470-008
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 16:29:05 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: diasn Date: 22-Dec-2015 01:15:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.900	0.000	98	374194	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	769264	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	97	755424	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	92	498299	50.0	52.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.529	0.000	0	304060	50.0	52.6	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1690050	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	562734	50.0	48.0	
10 Dichlorodifluoromethane	85		4.042					ND	
15 Chlorodifluoromethane	51		4.054					ND	
11 Chloromethane	50		4.340					ND	
17 Vinyl chloride	62		4.571					ND	
149 Butadiene	54		4.596					ND	
12 Bromomethane	94		5.119					ND	
13 Chloroethane	64		5.247					ND	
19 Dichlorofluoromethane	67		5.563					ND	
14 Trichlorofluoromethane	101		5.672					ND	
146 Ethanol	45		5.861					ND	
20 Ethyl ether	59		5.964					ND	
26 Propene oxide	58		6.116					ND	
22 Acrolein	56		6.226					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.305					ND	
25 1,1-Dichloroethene	96		6.378					ND	
24 Acetone	43	6.396	6.396	0.000	99	25932		6.05	
23 Isopropyl alcohol	45		6.512					ND	
18 Iodomethane	142		6.627					ND	
30 Methyl acetate	43		6.767					ND	
27 Carbon disulfide	76		6.773					ND	
29 Acetonitrile	40		6.810					ND	
33 2-Methyl-2-propanol	59		7.005					ND	
32 Methyl tert-butyl ether	73		7.224					ND	
34 Acrylonitrile	53		7.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 trans-1,2-Dichloroethene	96		7.303					ND	
133 Halothane	117		7.710					ND	
37 Isopropyl ether	45		7.753					ND	
38 Vinyl acetate	43		7.771					ND	
40 1,1-Dichloroethane	63		7.826					ND	
39 1,1-Dimethoxyethane	75		7.844					ND	
41 2-Chloro-1,3-butadiene	53		7.923					ND	
42 Tert-butyl ethyl ether	59		8.191					ND	
46 Ethyl acetate	43		8.471					ND	
44 2-Butanone (MEK)	43		8.471					ND	
43 cis-1,2-Dichloroethene	96		8.526					ND	
45 2,2-Dichloropropane	77		8.532					ND	
47 Propionitrile	54		8.611					ND	
48 Methacrylonitrile	41		8.775					ND	
50 Chlorobromomethane	128		8.842					ND	
51 Tetrahydrofuran	42		8.866					ND	
49 Chloroform	83		8.878					ND	
52 1,1,1-Trichloroethane	97		9.140					ND	
54 Cyclohexane	56		9.213					ND	
53 Isobutyl alcohol	43		9.286					ND	
56 1,1-Dichloropropene	75		9.316					ND	
55 Carbon tetrachloride	117		9.353					ND	
145 t-Amyl alcohol	59		9.432					ND	
150 Isooctane	57		9.560					ND	
58 Tert-amyl methyl ether	73		9.596					ND	
57 Benzene	78		9.596					ND	
60 1,2-Dichloroethane	62		9.621					ND	
59 n-Heptane	43		9.712					ND	
1 1,4-Difluorobenzene	114		9.973					ND	
61 n-Butanol	56		10.089					ND	
135 2,4,4-Trimethyl-1-pentene	55		10.192					ND	
66 2-Methylthiophene	97		10.214					ND	
136 Ethyl acrylate	55		10.332					ND	
62 Trichloroethene	95		10.345					ND	
67 3-Methylthiophene	97		10.427					ND	
134 2,4,4-Trimethyl-2-pentene	97		10.442					ND	
64 Methylcyclohexane	83		10.588					ND	
65 Methyl methacrylate	41		10.630					ND	
63 1,2-Dichloropropane	63		10.661					ND	
68 1,4-Dioxane	88		10.783					ND	
69 Dibromomethane	93		10.856					ND	
70 Dichlorobromomethane	83		10.989					ND	
71 2-Chloroethyl vinyl ether	63		11.251					ND	
72 2-Nitropropane	43		11.263					ND	
74 Epichlorohydrin	57		11.415					ND	
73 cis-1,3-Dichloropropene	75		11.525					ND	
75 4-Methyl-2-pentanone (MIBK	43	11.646	11.634	0.012	59	7624		0.5982	M
76 Toluene	92		11.969					ND	
77 Ethyl methacrylate	69		12.194					ND	
78 trans-1,3-Dichloropropene	75		12.230					ND	
79 1,1,2-Trichloroethane	83		12.510					ND	
80 Tetrachloroethene	166		12.711					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
83 2-Hexanone	43	12.729	12.723	0.006	96	11126		1.27	
82 1,3-Dichloropropane	76		12.748					ND	
156 n-Butyl acetate	43		12.808					ND	
81 Chlorodibromomethane	129		13.094					ND	
85 Ethylene Dibromide	107		13.295					ND	
84 3-Chlorobenzotrifluoride	180		13.684					ND	
144 1-Chlorohexane	55		13.703					ND	
86 4-Chlorobenzotrifluoride	180		13.757					ND	
87 Chlorobenzene	112		13.879					ND	
88 1,1,1,2-Tetrachloroethane	131		13.964					ND	
93 o-Xylene	106		14.633					ND	
94 Styrene	104		14.652					ND	
91 2-Chlorobenzotrifluoride	180		14.937					ND	
92 Bromoform	173		15.005					ND	
95 Isopropylbenzene	105		15.078					ND	
96 Cyclohexanone	55		15.327					ND	
97 1,1,2,2-Tetrachloroethane	83		15.503					ND	
98 trans-1,4-Dichloro-2-buten	53		15.558					ND	
100 Bromobenzene	156		15.595					ND	
101 1,2,3-Trichloropropane	110		15.595					ND	
99 N-Propylbenzene	91		15.607					ND	
103 2-Chlorotoluene	126		15.795					ND	
104 3-Chlorotoluene	126		15.862					ND	
105 4-Chlorotoluene	126		15.923					ND	
106 tert-Butylbenzene	134		16.240					ND	
107 1,2,4-Trimethylbenzene	105		16.300					ND	
108 Pentachloroethane	167		16.355					ND	
112 4-Isopropyltoluene	119	16.659	16.665	-0.006	97	12717		0.2602	
110 1,3-Dichlorobenzene	146		16.751					ND	
113 1,2,3-Trimethylbenzene	105		16.860					ND	
111 1,4-Dichlorobenzene	146		16.860					ND	
114 Dicyclopentadiene	66	16.823	16.878	-0.055	44	16083		NC	
148 Benzyl chloride	126		17.012					ND	
116 1,2-Dichlorobenzene	146		17.341					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.326					ND	
118 1,3,5-Trichlorobenzene	180		18.539					ND	
120 Hexachlorobutadiene	225		19.555					ND	
121 Naphthalene	128	19.804	19.811	-0.007	97	28302		0.7858	
147 2-Methylnaphthalene	142	21.635	21.642	-0.007	90	9366		3.36	
155 Ethylene oxide TIC	1		0.000					ND	
129 Hexachloroethane	117		0.000					ND	
157 1-Chloro-1-fluoroethane TI	1		0.000					ND	
153 Propene oxide TIC	1		0.000					ND	
132 cis-1,4-Dichloro-2-butene	88		0.000					ND	
154 1-Bromopropane TIC	1		0.000					ND	
131 Methyl acrylate	1		0.000					ND	
130 Nitrobenzene	77		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
T 139 tert-amyl alcohol TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 138 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 137 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00119	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00157	Amount Added:	1.00	Units: uL	Run Reagent

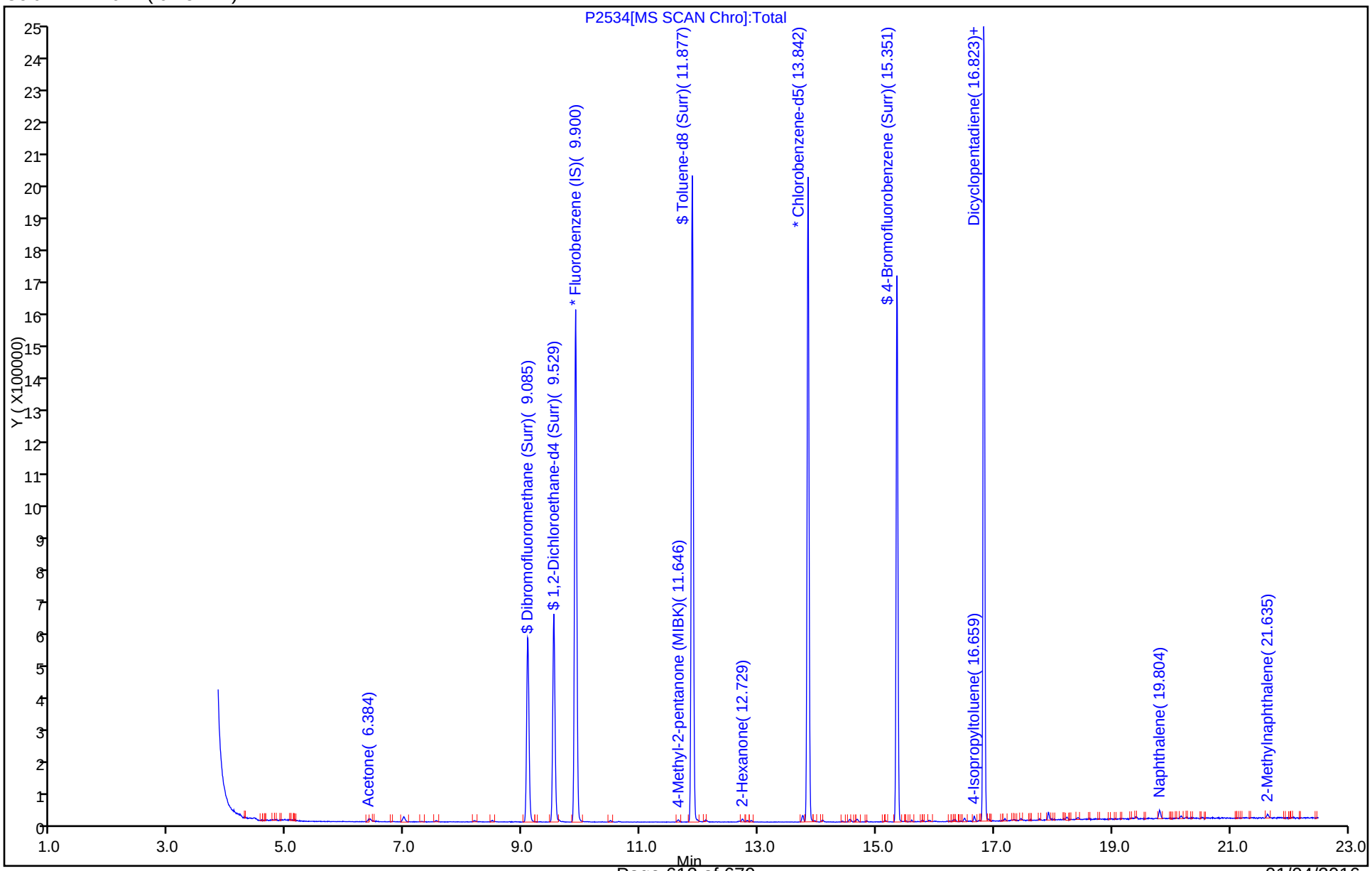
Report Date: 22-Dec-2015 16:29:10 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2534.D

Injection Date:	22-Dec-2015 00:47:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	MB 480-280931/2-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

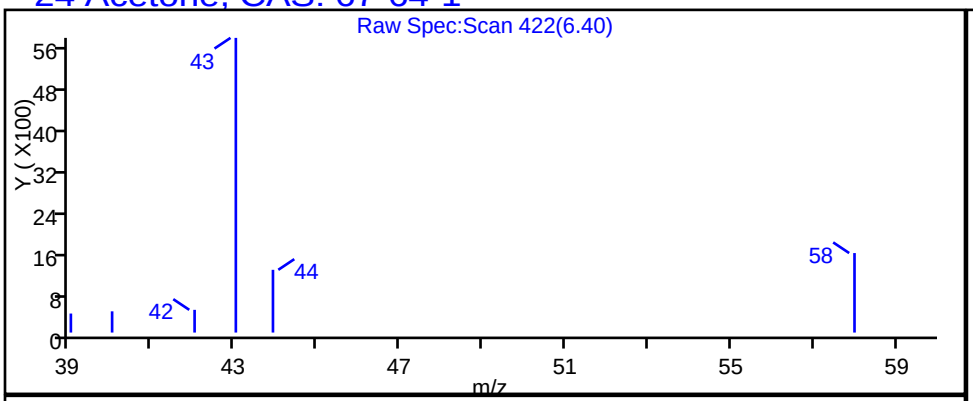
Column: ZB-624 (0.25 mm)

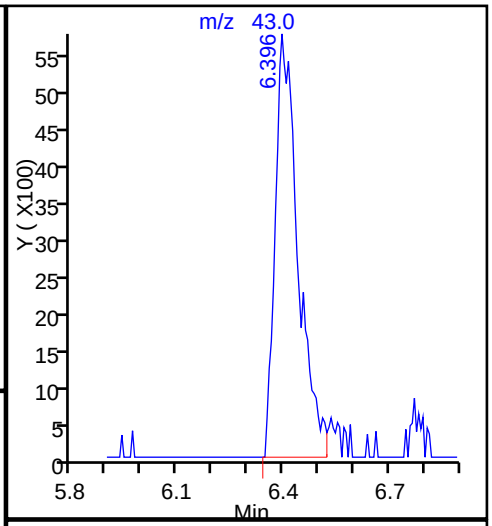


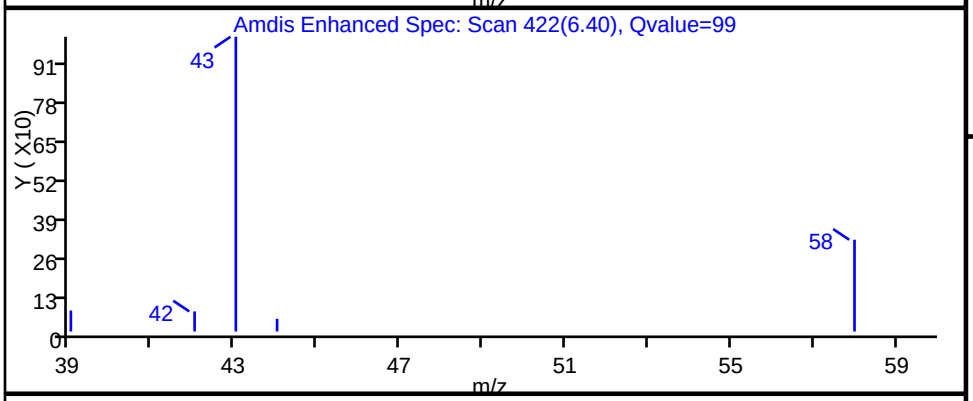
TestAmerica Buffalo

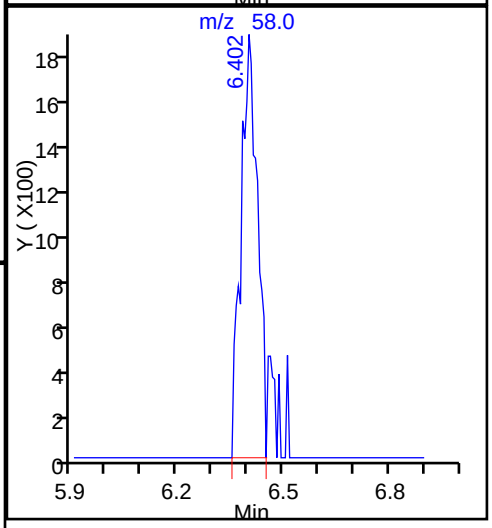
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2534.D
Injection Date: 22-Dec-2015 00:47:30 Instrument ID: HP5973P
Lims ID: MB 480-280931/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

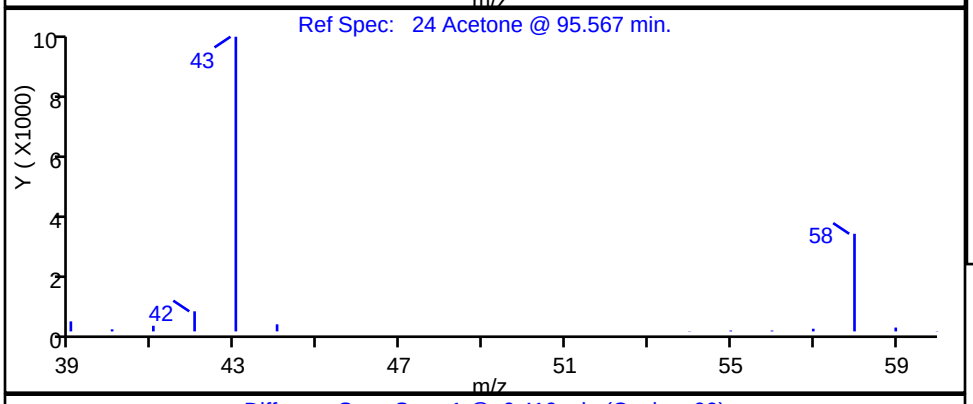
24 Acetone, CAS: 67-64-1

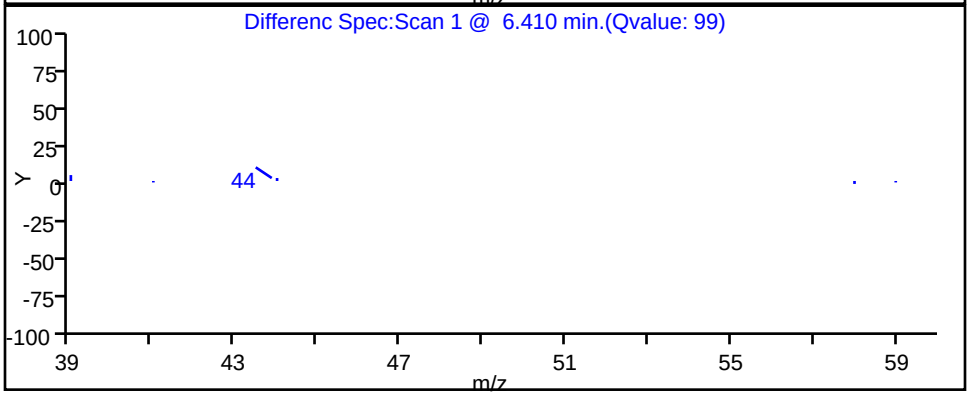












Manual Integration/User Assign Peak Report

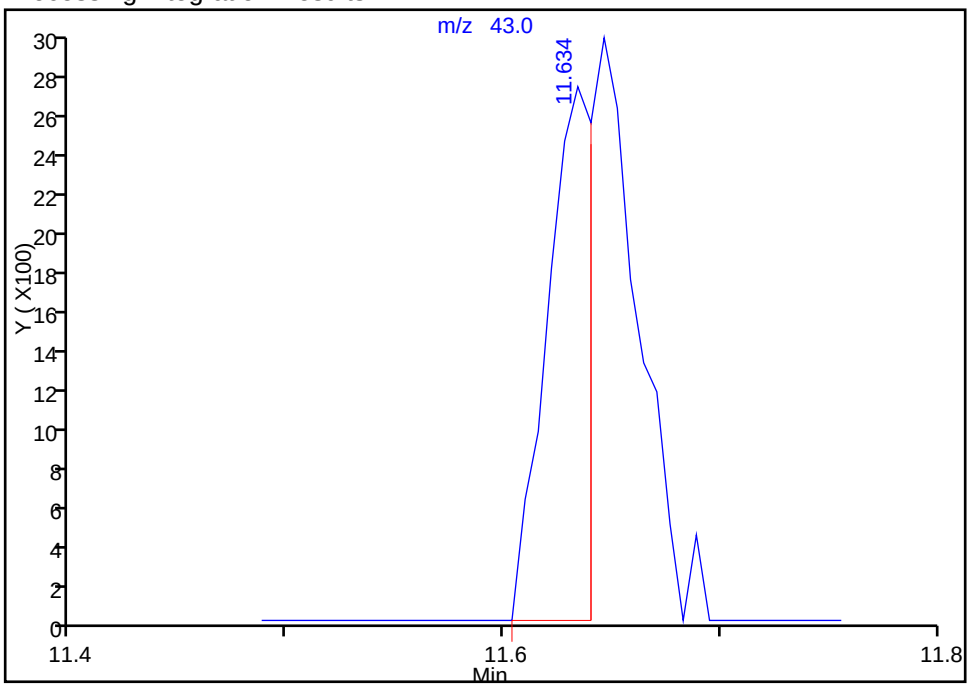
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2534.D
Injection Date: 22-Dec-2015 00:47:30 Instrument ID: HP5973P
Lims ID: MB 480-280931/2-A
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

75 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

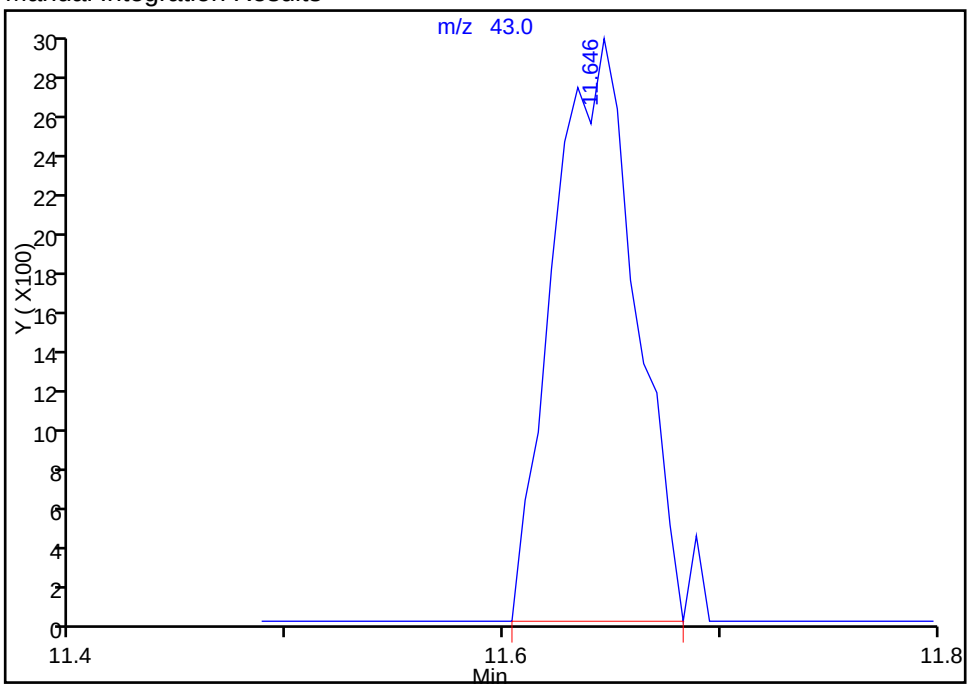
Processing Integration Results

RT: 11.63
Area: 3953
Amount: 0.310163
Amount Units: ug/L



Manual Integration Results

RT: 11.65
Area: 7624
Amount: 0.598199
Amount Units: ug/L



Reviewer: diasn, 22-Dec-2015 01:15:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280259/1-A

Matrix: Solid | Lab File ID: P2447.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.08(g) | Date Analyzed: 12/17/2015 12:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	44.4		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	47.4		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40.7		4.9	1.1
79-00-5	1,1,2-Trichloroethane	46.9		4.9	0.64
75-34-3	1,1-Dichloroethane	42.5		4.9	0.60
75-35-4	1,1-Dichloroethene	40.6		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	45.4		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	48.1		4.9	2.5
106-93-4	1,2-Dibromoethane	46.0		4.9	0.63
95-50-1	1,2-Dichlorobenzene	44.1		4.9	0.38
107-06-2	1,2-Dichloroethane	42.7		4.9	0.25
78-87-5	1,2-Dichloropropane	44.0		4.9	2.5
541-73-1	1,3-Dichlorobenzene	43.5		4.9	0.25
106-46-7	1,4-Dichlorobenzene	42.5		4.9	0.69
78-93-3	2-Butanone (MEK)	241		25	1.8
591-78-6	2-Hexanone	247		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	241		25	1.6
67-64-1	Acetone	257		25	4.1
71-43-2	Benzene	43.6		4.9	0.24
75-27-4	Bromodichloromethane	44.8		4.9	0.66
75-25-2	Bromoform	49.8		4.9	2.5
74-83-9	Bromomethane	43.6		4.9	0.44
75-15-0	Carbon disulfide	42.7		4.9	2.5
56-23-5	Carbon tetrachloride	45.2		4.9	0.48
108-90-7	Chlorobenzene	44.2		4.9	0.65
75-00-3	Chloroethane	44.8		4.9	1.1
67-66-3	Chloroform	43.1		4.9	0.30
74-87-3	Chloromethane	43.1		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	43.4		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	46.6		4.9	0.71
110-82-7	Cyclohexane	42.5		4.9	0.69
124-48-1	Dibromochloromethane	49.1		4.9	0.63
75-71-8	Dichlorodifluoromethane	42.0		4.9	0.41
100-41-4	Ethylbenzene	44.1		4.9	0.34
98-82-8	Isopropylbenzene	44.8		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280259/1-A

Matrix: Solid | Lab File ID: P2447.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.08(g) | Date Analyzed: 12/17/2015 12:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	224		4.9	3.0
1634-04-4	Methyl tert-butyl ether	44.4		4.9	0.48
108-87-2	Methylcyclohexane	43.1		4.9	0.75
75-09-2	Methylene Chloride	46.9		4.9	2.3
100-42-5	Styrene	45.0		4.9	0.25
127-18-4	Tetrachloroethene	42.5		4.9	0.66
108-88-3	Toluene	40.5		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	42.0		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	47.9		4.9	2.2
79-01-6	Trichloroethene	41.5		4.9	1.1
75-69-4	Trichlorofluoromethane	45.3		4.9	0.47
75-01-4	Vinyl chloride	43.2		4.9	0.60
1330-20-7	Xylenes, Total	87.4		9.8	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
2037-26-5	Toluene-d8 (Surr)	100		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2447.D
Lims ID: LCS 480-280259/1-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Dec-2015 12:07:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-280259/1-A
Misc. Info.: 480-0049333-005
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Dec-2015 13:19:07 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK019

First Level Reviewer: cwiklinc Date: 17-Dec-2015 13:19:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	403392	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	89	822794	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	96	770505	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.091	9.079	0.012	92	508068	50.0	49.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	315716	50.0	50.6	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	1793448	50.0	49.8	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	605582	50.0	48.3	
10 Dichlorodifluoromethane	85	4.036	4.042	-0.006	98	547310	50.0	42.7	
11 Chloromethane	50	4.340	4.340	0.000	99	502995	50.0	43.8	
17 Vinyl chloride	62	4.571	4.577	-0.006	97	398286	50.0	43.8	
149 Butadiene	54	4.590	4.595	-0.005	96	387120	50.0	46.4	
12 Bromomethane	94	5.119	5.125	-0.006	94	231389	50.0	44.3	
13 Chloroethane	64	5.247	5.246	0.001	96	261209	50.0	45.5	
19 Dichlorofluoromethane	67	5.563	5.563	0.000	98	813230	50.0	40.8	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	741431	50.0	46.0	
20 Ethyl ether	59	5.964	5.964	0.000	97	526931	50.0	46.1	
22 Acrolein	56	6.226	6.220	0.006	99	532941	250.0	217.4	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.311	0.000	94	556375	50.0	41.4	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	555383	50.0	41.3	
24 Acetone	43	6.402	6.396	0.006	98	1209345	250.0	261.6	
18 Iodomethane	142	6.634	6.633	0.001	99	882646	50.0	42.9	
30 Methyl acetate	43	6.774	6.767	0.007	100	2406316	250.0	227.2	
27 Carbon disulfide	76	6.786	6.779	0.007	100	1808125	50.0	43.4	
28 3-Chloro-1-propene	41	6.810	6.810	0.000	88	984361	50.0	44.2	
31 Methylene Chloride	84	6.986	6.986	0.000	94	561551	50.0	47.6	
33 2-Methyl-2-propanol	59	7.017	6.999	0.019	98	654579	500.0	435.7	
32 Methyl tert-butyl ether	73	7.230	7.224	0.006	99	1621081	50.0	45.1	
34 Acrylonitrile	53	7.278	7.272	0.006	97	2224025	500.0	459.0	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	92	484364	50.0	42.6	
36 Hexane	57	7.540	7.534	0.006	95	869590	50.0	39.1	
38 Vinyl acetate	43	7.777	7.771	0.006	97	2792597	100.0	102.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	1089296	50.0	43.2	
44 2-Butanone (MEK)	43	8.477	8.477	0.000	98	1672097	250.0	245.2	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	87	542527	50.0	44.1	
45 2,2-Dichloropropane	77	8.532	8.532	0.000	66	742931	50.0	43.0	
50 Chlorobromomethane	128	8.848	8.842	0.006	91	266656	50.0	45.3	
51 Tetrahydrofuran	42	8.878	8.872	0.006	92	401067	100.0	90.3	
49 Chloroform	83	8.885	8.878	0.006	96	950348	50.0	43.7	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	651208	50.0	45.1	
54 Cyclohexane	56	9.219	9.213	0.006	95	1112109	50.0	43.2	
53 Isobutyl alcohol	43	9.292	9.292	0.000	97	748986	1250.0	1145.0	
56 1,1-Dichloropropene	75	9.316	9.316	0.000	90	703844	50.0	44.2	
55 Carbon tetrachloride	117	9.353	9.347	0.006	97	738915	50.0	45.9	
57 Benzene	78	9.602	9.596	0.006	98	1971689	50.0	44.3	
60 1,2-Dichloroethane	62	9.621	9.621	0.000	97	871963	50.0	43.4	
59 n-Heptane	43	9.718	9.718	0.000	97	958724	50.0	40.8	
62 Trichloroethene	95	10.357	10.351	0.006	94	508427	50.0	42.2	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	904506	50.0	43.8	
63 1,2-Dichloropropane	63	10.667	10.661	0.006	93	577566	50.0	44.7	
68 1,4-Dioxane	88	10.783	10.782	0.001	97	87979	1000.0	870.3	
69 Dibromomethane	93	10.856	10.855	0.001	96	326295	50.0	45.8	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	737738	50.0	45.5	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	91	259368	50.0	108.7	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	888437	50.0	47.3	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	3339483	250.0	245.0	
76 Toluene	92	11.975	11.969	0.006	97	1202641	50.0	41.2	
77 Ethyl methacrylate	69	12.200	12.194	0.006	94	627027	50.0	49.2	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	98	816211	50.0	48.7	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	381534	50.0	47.6	
80 Tetrachloroethene	166	12.717	12.711	0.006	93	484599	50.0	43.2	
83 2-Hexanone	43	12.723	12.723	0.000	97	2358696	250.0	251.4	
82 1,3-Dichloropropane	76	12.754	12.754	0.000	99	750945	50.0	46.2	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	545923	50.0	49.8	
85 Ethylene Dibromide	107	13.295	13.295	0.000	99	489211	50.0	46.7	
87 Chlorobenzene	112	13.885	13.879	0.006	93	1428358	50.0	44.9	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2269106	50.0	44.8	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	500988	50.0	46.4	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	954752	50.0	44.5	
93 o-Xylene	106	14.633	14.633	0.000	97	956425	50.0	44.3	
94 Styrene	104	14.658	14.652	0.006	94	1527831	50.0	45.7	
92 Bromoform	173	15.011	15.004	0.007	95	348843	50.0	50.6	
95 Isopropylbenzene	105	15.078	15.077	0.001	96	2483500	50.0	45.5	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	622123	50.0	48.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	83	255401	50.0	50.0	
100 Bromobenzene	156	15.601	15.595	0.006	95	580147	50.0	42.9	
101 1,2,3-Trichloropropane	110	15.595	15.595	0.000	76	172315	50.0	45.3	
99 N-Propylbenzene	91	15.607	15.607	0.000	99	2703152	50.0	44.9	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	534650	50.0	44.0	
102 1,3,5-Trimethylbenzene	105	15.802	15.801	0.001	93	2049494	50.0	44.6	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	585039	50.0	44.9	
106 tert-Butylbenzene	134	16.246	16.239	0.007	93	439227	50.0	45.1	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	2203990	50.0	45.2	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2773576	50.0	46.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2261622	50.0	45.4	
110 1,3-Dichlorobenzene	146	16.757	16.750	0.007	96	1148118	50.0	44.2	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	92	1085414	50.0	43.2	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2160903	50.0	45.5	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	95	1163789	50.0	44.8	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	90	138097	50.0	48.9	
119 1,2,4-Trichlorobenzene	180	19.409	19.403	0.006	94	841743	50.0	46.1	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	98	454854	50.0	42.9	
121 Naphthalene	128	19.811	19.811	0.000	97	1975276	50.0	50.9	
122 1,2,3-Trichlorobenzene	180	20.170	20.169	0.001	95	751539	50.0	47.3	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

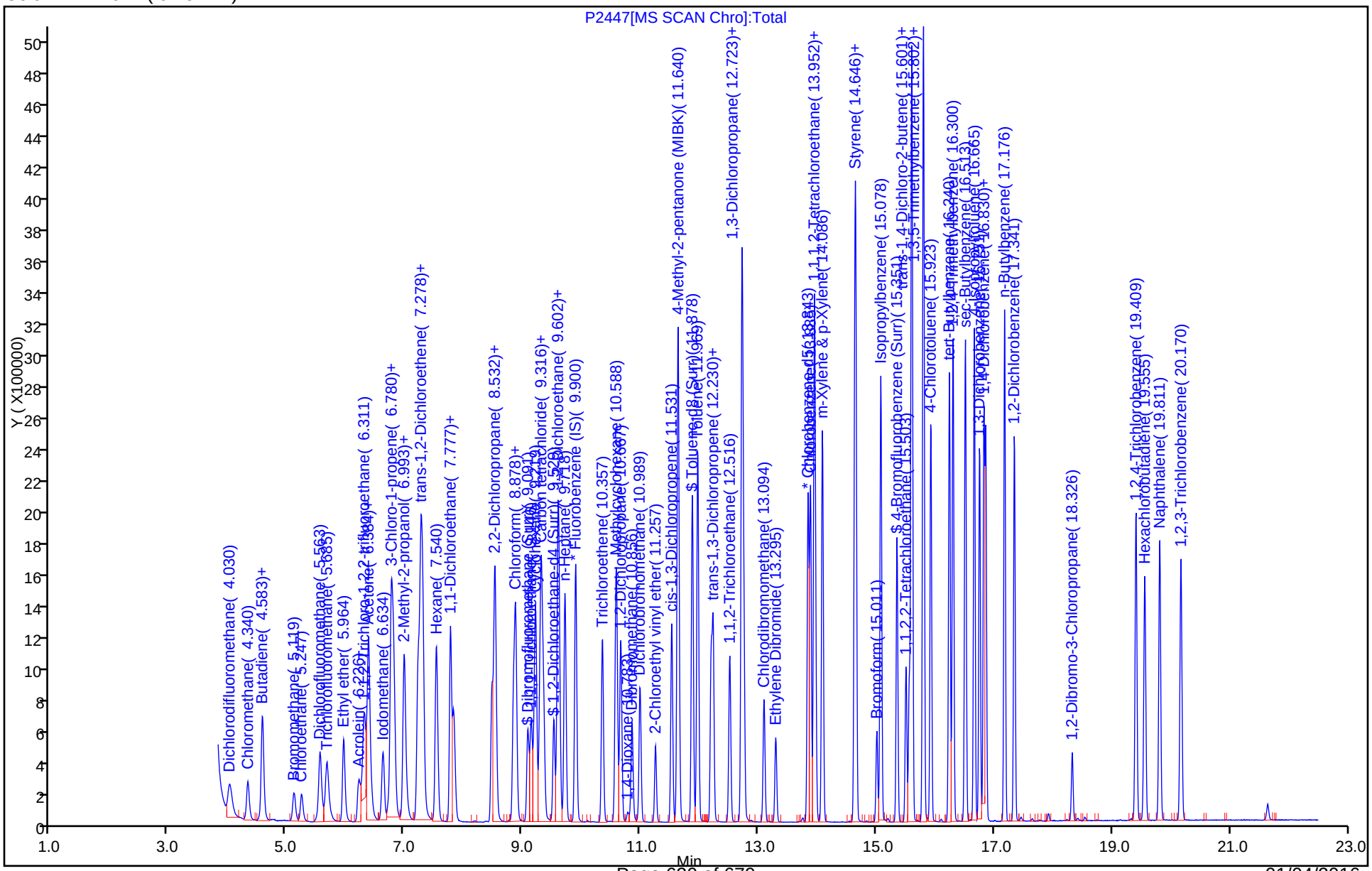
Report Date: 17-Dec-2015 13:19:08 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2447.D

Injection Date:	17-Dec-2015 12:07:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	LCS 480-280259/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280425/1-A

Matrix: Solid | Lab File ID: P2473.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 12/18/2015 00:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	53.2		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	45.3		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49.6		4.9	1.1
79-00-5	1,1,2-Trichloroethane	45.3		4.9	0.64
75-34-3	1,1-Dichloroethane	45.9		4.9	0.60
75-35-4	1,1-Dichloroethene	46.0		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	43.8		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	42.5		4.9	2.5
106-93-4	1,2-Dibromoethane	44.8		4.9	0.63
95-50-1	1,2-Dichlorobenzene	43.7		4.9	0.38
107-06-2	1,2-Dichloroethane	43.1		4.9	0.25
78-87-5	1,2-Dichloropropane	44.7		4.9	2.5
541-73-1	1,3-Dichlorobenzene	43.9		4.9	0.25
106-46-7	1,4-Dichlorobenzene	43.5		4.9	0.69
78-93-3	2-Butanone (MEK)	228		25	1.8
591-78-6	2-Hexanone	229		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	229		25	1.6
67-64-1	Acetone	258		25	4.1
71-43-2	Benzene	46.7		4.9	0.24
75-27-4	Bromodichloromethane	46.1		4.9	0.66
75-25-2	Bromoform	46.4		4.9	2.5
74-83-9	Bromomethane	51.4		4.9	0.44
75-15-0	Carbon disulfide	49.6		4.9	2.5
56-23-5	Carbon tetrachloride	53.2		4.9	0.47
108-90-7	Chlorobenzene	45.2		4.9	0.65
75-00-3	Chloroethane	56.2		4.9	1.1
67-66-3	Chloroform	46.2		4.9	0.30
74-87-3	Chloromethane	54.0		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	45.7		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	46.7		4.9	0.71
110-82-7	Cyclohexane	48.0		4.9	0.69
124-48-1	Dibromochloromethane	48.0		4.9	0.63
75-71-8	Dichlorodifluoromethane	62.4		4.9	0.40
100-41-4	Ethylbenzene	46.8		4.9	0.34
98-82-8	Isopropylbenzene	48.3		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280425/1-A

Matrix: Solid | Lab File ID: P2473.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.1(g) | Date Analyzed: 12/18/2015 00:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280424 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	218		4.9	3.0
1634-04-4	Methyl tert-butyl ether	44.4		4.9	0.48
108-87-2	Methylcyclohexane	49.6		4.9	0.75
75-09-2	Methylene Chloride	49.8		4.9	2.3
100-42-5	Styrene	45.4		4.9	0.25
127-18-4	Tetrachloroethene	46.9		4.9	0.66
108-88-3	Toluene	42.8		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	46.6		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	46.6		4.9	2.2
79-01-6	Trichloroethene	46.2		4.9	1.1
75-69-4	Trichlorofluoromethane	60.8		4.9	0.46
75-01-4	Vinyl chloride	55.5		4.9	0.60
1330-20-7	Xylenes, Total	91.4		9.8	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	102		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2473.D
Lims ID: LCS 480-280425/1-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Dec-2015 00:48:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-280425/1-A
Misc. Info.: 480-0049361-004
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 02:33:07 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: diasn Date: 18-Dec-2015 02:33:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.900	-0.006	98	363550	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.843	-0.001	89	748246	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.824	-0.001	96	694351	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.079	9.091	-0.012	92	482986	50.0	51.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.529	-0.006	0	293416	50.0	52.2	
$ 5 Toluene-d8 (Surr)	98	11.877	11.878	-0.001	93	1664755	50.0	50.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	547718	50.0	48.0	
10 Dichlorodifluoromethane	85	4.023	4.024	-0.001	99	735717	50.0	63.7	
11 Chloromethane	50	4.334	4.334	0.000	99	570268	50.0	55.1	
17 Vinyl chloride	62	4.565	4.565	0.000	98	463090	50.0	56.6	
149 Butadiene	54	4.589	4.583	0.006	97	462671	50.0	61.5	
12 Bromomethane	94	5.118	5.113	0.005	94	246800	50.0	52.4	
13 Chloroethane	64	5.240	5.240	0.000	96	296304	50.0	57.3	
19 Dichlorofluoromethane	67	5.550	5.551	-0.001	98	924672	50.0	51.5	
14 Trichlorofluoromethane	101	5.666	5.660	0.006	99	900314	50.0	62.0	
20 Ethyl ether	59	5.958	5.958	0.000	97	478787	50.0	46.5	
22 Acrolein	56	6.213	6.208	0.005	98	494247	250.0	223.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.299	6.299	0.000	94	613317	50.0	50.6	
25 1,1-Dichloroethene	96	6.372	6.366	0.006	93	569512	50.0	47.0	
24 Acetone	43	6.390	6.384	0.006	98	1097230	250.0	263.4	
18 Iodomethane	142	6.621	6.621	0.000	99	889672	50.0	48.0	
30 Methyl acetate	43	6.761	6.761	0.000	99	2123678	250.0	222.5	
27 Carbon disulfide	76	6.773	6.767	0.006	100	1902552	50.0	50.6	
28 3-Chloro-1-propene	41	6.804	6.798	0.006	91	1003064	50.0	50.0	
31 Methylene Chloride	84	6.980	6.980	0.000	95	538029	50.0	50.8	
33 2-Methyl-2-propanol	59	6.998	6.993	0.006	97	589875	500.0	435.7	
32 Methyl tert-butyl ether	73	7.223	7.224	-0.001	99	1466623	50.0	45.3	
34 Acrylonitrile	53	7.266	7.266	0.000	96	1990560	500.0	455.8	
35 trans-1,2-Dichloroethene	96	7.296	7.297	-0.001	92	486496	50.0	47.5	
36 Hexane	57	7.527	7.528	-0.001	95	901771	50.0	45.0	
38 Vinyl acetate	43	7.771	7.765	0.006	97	2507219	100.0	102.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.826	7.820	0.006	97	1065883	50.0	46.9	
44 2-Butanone (MEK)	43	8.470	8.471	-0.001	98	1430545	250.0	232.8	
43 cis-1,2-Dichloroethene	96	8.519	8.519	0.000	87	517526	50.0	46.6	
45 2,2-Dichloropropane	77	8.525	8.526	-0.001	91	816212	50.0	52.5	
50 Chlorobromomethane	128	8.835	8.836	-0.001	92	243858	50.0	45.9	
51 Tetrahydrofuran	42	8.866	8.866	0.000	92	354441	100.0	88.6	
49 Chloroform	83	8.878	8.878	0.000	96	921723	50.0	47.1	
52 1,1,1-Trichloroethane	97	9.140	9.140	0.000	98	706398	50.0	54.3	
54 Cyclohexane	56	9.213	9.207	0.006	96	1136592	50.0	48.9	
53 Isobutyl alcohol	43	9.292	9.286	0.006	96	666777	1250.0	1131.1	
56 1,1-Dichloropropene	75	9.310	9.310	0.000	91	714917	50.0	49.8	
55 Carbon tetrachloride	117	9.346	9.347	-0.001	97	787634	50.0	54.3	
57 Benzene	78	9.596	9.590	0.006	98	1907927	50.0	47.6	
60 1,2-Dichloroethane	62	9.614	9.615	-0.001	97	795902	50.0	44.0	
59 n-Heptane	43	9.711	9.712	-0.001	97	984217	50.0	46.4	
62 Trichloroethene	95	10.350	10.351	-0.001	95	511789	50.0	47.1	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	940956	50.0	50.6	
63 1,2-Dichloropropane	63	10.661	10.655	0.006	93	530271	50.0	45.6	
68 1,4-Dioxane	88	10.776	10.783	-0.007	98	75438	1000.0	820.6	
69 Dibromomethane	93	10.849	10.849	0.000	95	295224	50.0	46.0	
70 Dichlorobromomethane	83	10.989	10.983	0.006	98	686146	50.0	47.0	
71 2-Chloroethyl vinyl ether	63	11.251	11.251	0.000	92	223836	50.0	104.1	
73 cis-1,3-Dichloropropene	75	11.524	11.525	-0.001	90	805452	50.0	47.6	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	2897410	250.0	233.7	
76 Toluene	92	11.969	11.969	-0.001	97	1160296	50.0	43.7	
77 Ethyl methacrylate	69	12.194	12.194	0.000	94	544995	50.0	47.0	
78 trans-1,3-Dichloropropene	75	12.224	12.224	0.000	95	724670	50.0	47.5	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	94	336626	50.0	46.2	
80 Tetrachloroethene	166	12.711	12.711	0.000	91	487776	50.0	47.8	
83 2-Hexanone	43	12.723	12.723	0.000	97	1992267	250.0	233.5	
82 1,3-Dichloropropane	76	12.747	12.748	-0.001	97	671793	50.0	45.5	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	487722	50.0	49.0	
85 Ethylene Dibromide	107	13.289	13.289	0.000	98	434931	50.0	45.7	
87 Chlorobenzene	112	13.879	13.879	0.000	93	1333502	50.0	46.1	
89 Ethylbenzene	91	13.946	13.946	0.000	99	2200059	50.0	47.8	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.958	0.006	93	465952	50.0	47.4	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	920807	50.0	47.2	
93 o-Xylene	106	14.633	14.633	0.000	97	906026	50.0	46.1	
94 Styrene	104	14.651	14.652	-0.001	95	1409384	50.0	46.3	
92 Bromoform	173	15.010	15.011	-0.001	95	296451	50.0	47.3	
95 Isopropylbenzene	105	15.077	15.078	-0.001	96	2426710	50.0	49.3	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	537905	50.0	46.2	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	79	218691	50.0	47.5	
101 1,2,3-Trichloropropane	110	15.594	15.595	-0.001	76	150924	50.0	44.0	
100 Bromobenzene	156	15.594	15.595	-0.001	95	542782	50.0	44.5	
99 N-Propylbenzene	91	15.606	15.607	-0.001	99	2648967	50.0	48.8	
103 2-Chlorotoluene	126	15.795	15.795	0.000	93	508232	50.0	46.4	
102 1,3,5-Trimethylbenzene	105	15.801	15.802	-0.001	93	1953620	50.0	47.1	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	554171	50.0	47.2	
106 tert-Butylbenzene	134	16.239	16.240	-0.001	93	412527	50.0	47.0	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	98	2080433	50.0	47.3	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2695657	50.0	49.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2183045	50.0	48.6	
110 1,3-Dichlorobenzene	146	16.750	16.751	-0.001	96	1046663	50.0	44.7	
111 1,4-Dichlorobenzene	146	16.860	16.854	0.006	92	1004351	50.0	44.3	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2100530	50.0	49.1	
116 1,2-Dichlorobenzene	146	17.340	17.347	-0.007	95	1042420	50.0	44.6	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	110487	50.0	43.4	
119 1,2,4-Trichlorobenzene	180	19.403	19.403	0.000	94	735122	50.0	44.7	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	97	430831	50.0	45.1	
121 Naphthalene	128	19.810	19.811	-0.001	97	1590440	50.0	45.5	
122 1,2,3-Trichlorobenzene	180	20.169	20.170	-0.001	95	642389	50.0	44.9	

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

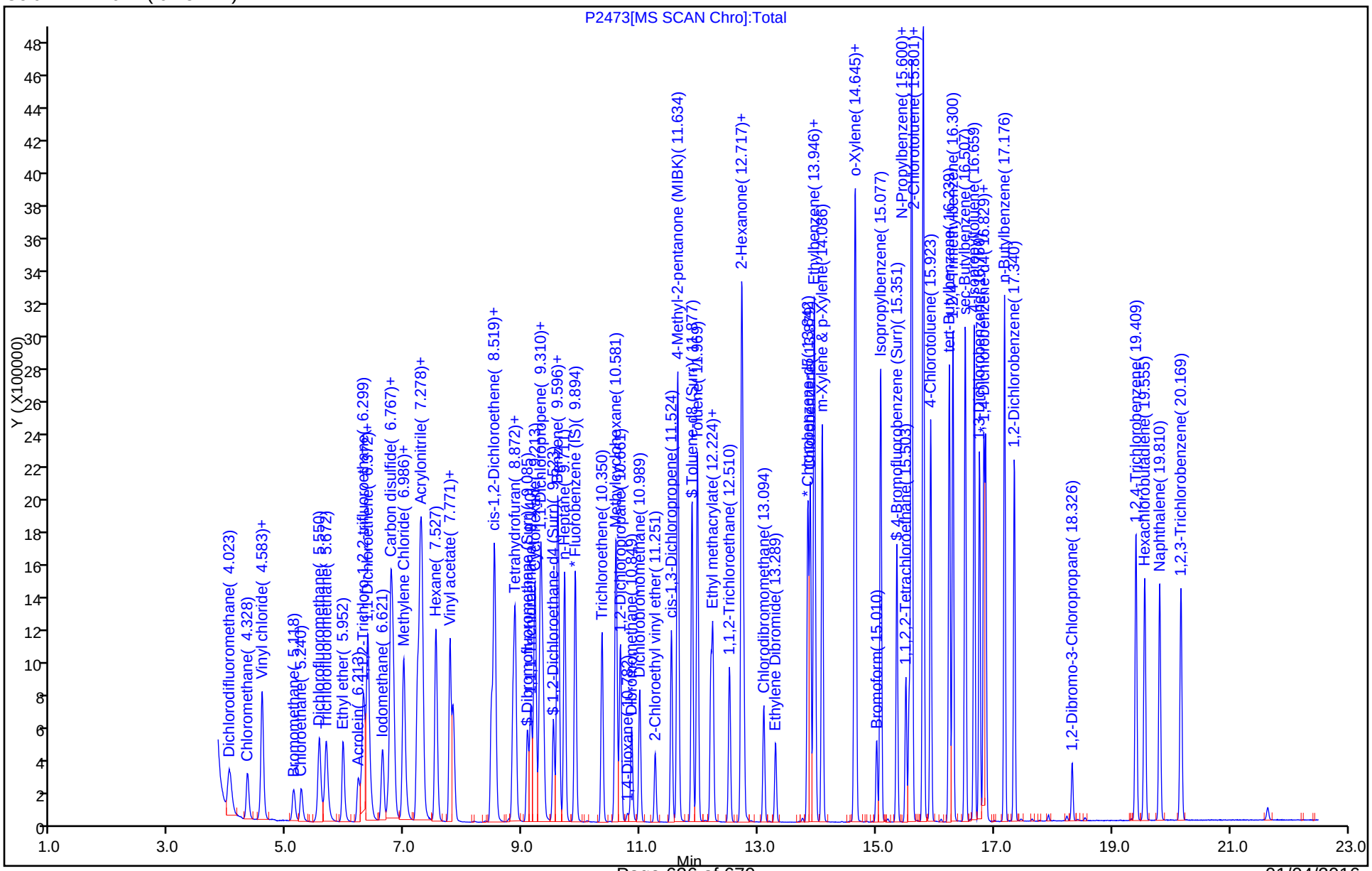
Report Date: 18-Dec-2015 02:33:08 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49361.b\P2473.D

Injection Date:	18-Dec-2015 00:48:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	LCS 480-280425/1-A			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280904/1-A

Matrix: Solid | Lab File ID: C60020.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/22/2015 23:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 281182 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1980		100	28
79-34-5	1,1,2,2-Tetrachloroethane	2210		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2070		100	50
79-00-5	1,1,2-Trichloroethane	2360		100	21
75-34-3	1,1-Dichloroethane	2060		100	31
75-35-4	1,1-Dichloroethene	2030		100	34
120-82-1	1,2,4-Trichlorobenzene	2460		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	1880		100	50
106-93-4	1,2-Dibromoethane	2330		100	17
95-50-1	1,2-Dichlorobenzene	2260		100	25
107-06-2	1,2-Dichloroethane	1880		100	41
78-87-5	1,2-Dichloropropane	2100		100	16
541-73-1	1,3-Dichlorobenzene	2300		100	27
106-46-7	1,4-Dichlorobenzene	2280		100	14
78-93-3	2-Butanone (MEK)	13500		500	300
591-78-6	2-Hexanone	15400		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	10600		500	32
67-64-1	Acetone	11300		500	410
71-43-2	Benzene	2060		100	19
75-27-4	Bromodichloromethane	2000		100	20
75-25-2	Bromoform	2280		100	50
74-83-9	Bromomethane	1070		100	22
75-15-0	Carbon disulfide	2040		100	45
56-23-5	Carbon tetrachloride	2090		100	25
108-90-7	Chlorobenzene	2370		100	13
75-00-3	Chloroethane	2020		100	21
67-66-3	Chloroform	1950		100	68
74-87-3	Chloromethane	1720		100	24
156-59-2	cis-1,2-Dichloroethene	2060		100	27
10061-01-5	cis-1,3-Dichloropropene	2070		100	24
110-82-7	Cyclohexane	2110		100	22
124-48-1	Dibromochloromethane	2280		100	48
75-71-8	Dichlorodifluoromethane	1550		100	43
100-41-4	Ethylbenzene	2290		100	29
98-82-8	Isopropylbenzene	2210		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280904/1-A

Matrix: Solid | Lab File ID: C60020.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.02(g) | Date Analyzed: 12/22/2015 23:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 281182 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	10500		100	47
1634-04-4	Methyl tert-butyl ether	1980		100	38
108-87-2	Methylcyclohexane	2180		100	47
75-09-2	Methylene Chloride	2120		100	20
100-42-5	Styrene	2320		100	24
127-18-4	Tetrachloroethene	2610		100	13
108-88-3	Toluene	2390		100	27
156-60-5	trans-1,2-Dichloroethene	2100		100	24
10061-02-6	trans-1,3-Dichloropropene	2310		100	9.8
79-01-6	Trichloroethene	2080		100	28
75-69-4	Trichlorofluoromethane	1980		100	47
75-01-4	Vinyl chloride	1970		100	33
1330-20-7	Xylenes, Total	4740		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		53-146
460-00-4	4-Bromofluorobenzene (Surr)	105		49-148
2037-26-5	Toluene-d8 (Surr)	99		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60020.D
Lims ID: LCS 480-280904/1-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Dec-2015 23:51:30 ALS Bottle#: 30 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs 480-280904/1-a
Misc. Info.: 480-0049508-007
Operator ID: SO Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Dec-2015 00:20:09 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: o'briens Date: 23-Dec-2015 00:20:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	141061	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	87	263796	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	93	269732	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	159392	25.0	21.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	104035	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	548727	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	90	201520	25.0	26.3	
10 Dichlorodifluoromethane	85	4.436	4.460	-0.024	100	226722	25.0	15.5	
11 Chlorodifluoromethane	51	4.471	4.483	-0.012	97	252393	25.0	23.9	
12 Chloromethane	50	4.839	4.851	-0.012	98	264830	25.0	17.3	
13 Vinyl chloride	62	5.076	5.088	-0.012	98	262635	25.0	19.8	
151 Butadiene	54	5.124	5.136	-0.012	88	266942	25.0	19.3	
14 Bromomethane	94	5.657	5.693	-0.036	92	98547	25.0	10.8	
15 Chloroethane	64	5.800	5.835	-0.035	100	172255	25.0	20.3	
16 Dichlorofluoromethane	67	6.108	6.120	-0.012	98	448658	25.0	19.9	
17 Trichlorofluoromethane	101	6.155	6.167	-0.012	99	419074	25.0	19.8	
148 Ethanol	45	6.476	6.416	0.060	75	235926	1000.0	3482.8	
18 Ethyl ether	59	6.476	6.487	-0.011	95	215505	25.0	19.8	
19 Propene oxide	58	6.630	6.630	0.000	96	287243	NC	NC	
20 Acrolein	56	6.725	6.736	-0.011	99	174507	125.0	94.9	
21 1,1,2-Trichloro-1,2,2-trif	101	6.736	6.748	-0.012	92	242003	25.0	20.8	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	216005	25.0	20.4	
23 Acetone	43	6.879	6.879	0.000	100	370074	125.0	113.6	
24 Isopropyl alcohol	45	6.985	6.974	0.011	100	124333	250.0	252.9	
25 Iodomethane	142	7.057	7.057	0.000	99	423903	25.0	20.7	
26 Carbon disulfide	76	7.140	7.140	0.000	99	856274	25.0	20.4	
27 Methyl acetate	43	7.163	7.163	0.000	98	862834	125.0	105.2	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	86	616937	25.0	31.8	
29 Acetonitrile	40	7.223	7.223	0.000	95	174928	250.0	334.3	
30 Methylene Chloride	84	7.341	7.341	0.000	96	249886	25.0	21.3	
31 2-Methyl-2-propanol	59	7.365	7.353	0.012	99	252078	250.0	234.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	96	672257	25.0	19.9	
34 trans-1,2-Dichloroethene	96	7.566	7.578	-0.012	95	238626	25.0	21.1	
33 Acrylonitrile	53	7.578	7.578	0.000	99	890912	250.0	218.5	
35 Hexane	57	7.709	7.721	-0.012	90	357147	25.0	20.4	
135 Halothane	117	7.863	7.863	0.000	95	181971	25.0	26.3	
36 Isopropyl ether	45	7.875	7.875	0.000	94	777965	25.0	23.9	
37 Vinyl acetate	43	7.910	7.922	-0.012	97	1423325	50.0	59.7	
38 1,1-Dimethoxyethane	75	7.970	7.958	0.012	94	216479	125.0	111.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	94	449329	25.0	20.7	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	94	407183	25.0	23.4	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	817938	25.0	23.9	
42 Ethyl acetate	43	8.397	8.397	0.000	96	398535	50.0	44.7	M
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	670703	125.0	135.7	M
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	369345	25.0	20.8	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	257919	25.0	20.7	
46 Propionitrile	54	8.539	8.539	0.000	99	341317	250.0	257.2	
47 Methacrylonitrile	41	8.634	8.646	-0.012	92	1433905	250.0	222.1	
48 Chlorobromomethane	128	8.693	8.693	0.000	90	130134	25.0	21.5	
49 Tetrahydrofuran	42	8.705	8.705	0.000	50	137116	50.0	38.9	
50 Chloroform	83	8.705	8.705	0.000	95	436776	25.0	19.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	99	378529	25.0	19.9	
52 Cyclohexane	56	8.906	8.907	0.000	92	465853	25.0	21.2	
53 Isobutyl alcohol	43	8.954	8.954	0.000	99	247902	625.0	480.0	
54 1,1-Dichloropropene	75	8.978	8.990	-0.012	96	324874	25.0	20.6	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	97	353901	25.0	21.0	
147 t-Amyl alcohol	59	9.049	9.037	0.012	91	200744	250.0	239.9	
152 Isooctane	57	9.096	9.108	-0.012	96	837505	25.0	26.6	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	97	680205	25.0	23.4	
57 Benzene	78	9.179	9.179	0.000	98	915646	25.0	20.7	
59 n-Heptane	43	9.191	9.191	0.000	92	369122	25.0	21.2	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	355099	25.0	18.9	
1 1,4-Difluorobenzene	114	9.405	9.405	0.001	96	730584	25.0	25.6	
60 n-Butanol	56	9.464	9.464	0.000	87	132397	625.0	682.5	
141 2,4,4-Trimethyl-1-pentene	55	9.511	9.511	0.000	96	201135	NC	NC	
142 Ethyl acrylate	55	9.594	9.606	-0.012	89	292518	25.0	12.3	
62 Trichloroethene	95	9.654	9.654	0.000	60	252961	25.0	20.8	
140 2,4,4-Trimethyl-2-pentene	97	9.654	9.654	0.000	77	587634	NC	NC	
63 Methyl methacrylate	41	9.784	9.784	0.000	90	559546	50.0	57.2	M
64 Methylcyclohexane	83	9.796	9.796	0.000	77	393917	25.0	21.9	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	95	245265	25.0	21.1	
66 1,4-Dioxane	88	9.938	9.926	0.012	97	32241	500.0	626.1	
67 Dibromomethane	93	9.997	9.997	0.000	94	150852	25.0	20.0	
68 Dichlorobromomethane	83	10.069	10.069	0.000	99	327535	25.0	20.0	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	91	148158	25.0	20.1	
70 2-Nitropropane	43	10.223	10.235	-0.012	92	155351	50.0	48.4	
71 Epichlorohydrin	57	10.330	10.330	0.000	99	254775	250.0	320.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	382877	25.0	20.8	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	96	1076025	125.0	106.6	
74 Toluene	92	10.650	10.650	0.000	98	585127	25.0	24.0	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	267061	25.0	22.7	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	94	349607	25.0	23.2	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	177741	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 2-Hexanone	43	11.053	11.053	0.000	98	1079533	125.0	154.7	
155 n-Butyl acetate	43	11.053	11.065	-0.012	90	1079533	25.0	72.1	
81 Tetrachloroethene	166	11.088	11.088	0.000	97	300220	25.0	26.2	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	91	358724	25.0	23.5	
83 Chlorodibromomethane	129	11.337	11.338	-0.001	89	251047	25.0	22.9	
84 Ethylene Dibromide	107	11.468	11.468	0.000	99	226111	25.0	23.4	
85 3-Chlorobenzotrifluoride	180	11.610	11.610	0.000	92	404732	25.0	24.5	
146 1-Chlorohexane	55	11.634	11.634	0.000	96	267882	25.0	25.0	
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	96	402074	25.0	25.7	
87 Chlorobenzene	112	11.800	11.800	0.000	95	681824	25.0	23.8	
88 Ethylbenzene	91	11.800	11.800	0.000	97	1118906	25.0	23.0	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	261133	25.0	23.8	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	450401	25.0	23.9	
91 o-Xylene	106	12.239	12.239	0.000	96	447670	25.0	23.7	
92 Styrene	104	12.251	12.251	0.000	94	716577	25.0	23.3	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	96	386579	25.0	24.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1163824	25.0	22.2	
95 Bromoform	173	12.523	12.523	0.000	95	147691	25.0	22.9	
96 Cyclohexanone	55	12.725	12.725	0.000	93	66890	250.0	207.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	269593	25.0	22.2	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	86	80841	25.0	18.1	
99 N-Propylbenzene	91	12.855	12.844	0.011	98	1327580	25.0	22.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	85857	25.0	21.7	
101 Bromobenzene	156	12.915	12.915	0.000	90	310874	25.0	23.0	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	999216	25.0	22.3	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	319336	25.0	27.4	
104 3-Chlorotoluene	126	13.057	13.057	0.000	96	306244	25.0	25.1	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	321651	25.0	25.9	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	219537	25.0	22.6	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	97	1033607	25.0	22.4	
108 Pentachloroethane	167	13.425	13.425	0.000	90	172184	25.0	27.1	
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1267876	25.0	22.9	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	1063496	25.0	22.6	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	99	600622	25.0	23.1	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	98	1056126	25.0	22.9	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	612880	25.0	22.9	
114 Dicyclopentadiene	66	13.828	13.828	0.000	93	318725	25.0	21.6	
150 Benzyl chloride	126	13.923	13.923	0.000	99	113604	25.0	28.3	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	932643	25.0	22.5	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	573798	25.0	22.7	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.109	0.000	83	49160	25.0	18.8	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	97	446648	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	419647	25.0	24.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	96	169659	25.0	25.1	
121 Naphthalene	128	16.579	16.579	0.000	97	857690	25.0	23.1	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	96	393693	25.0	24.1	
149 2-Methylnaphthalene	142	18.524	18.536	-0.012	93	497287	25.0	24.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00064	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added:	1.00	Units: uL	Run Reagent

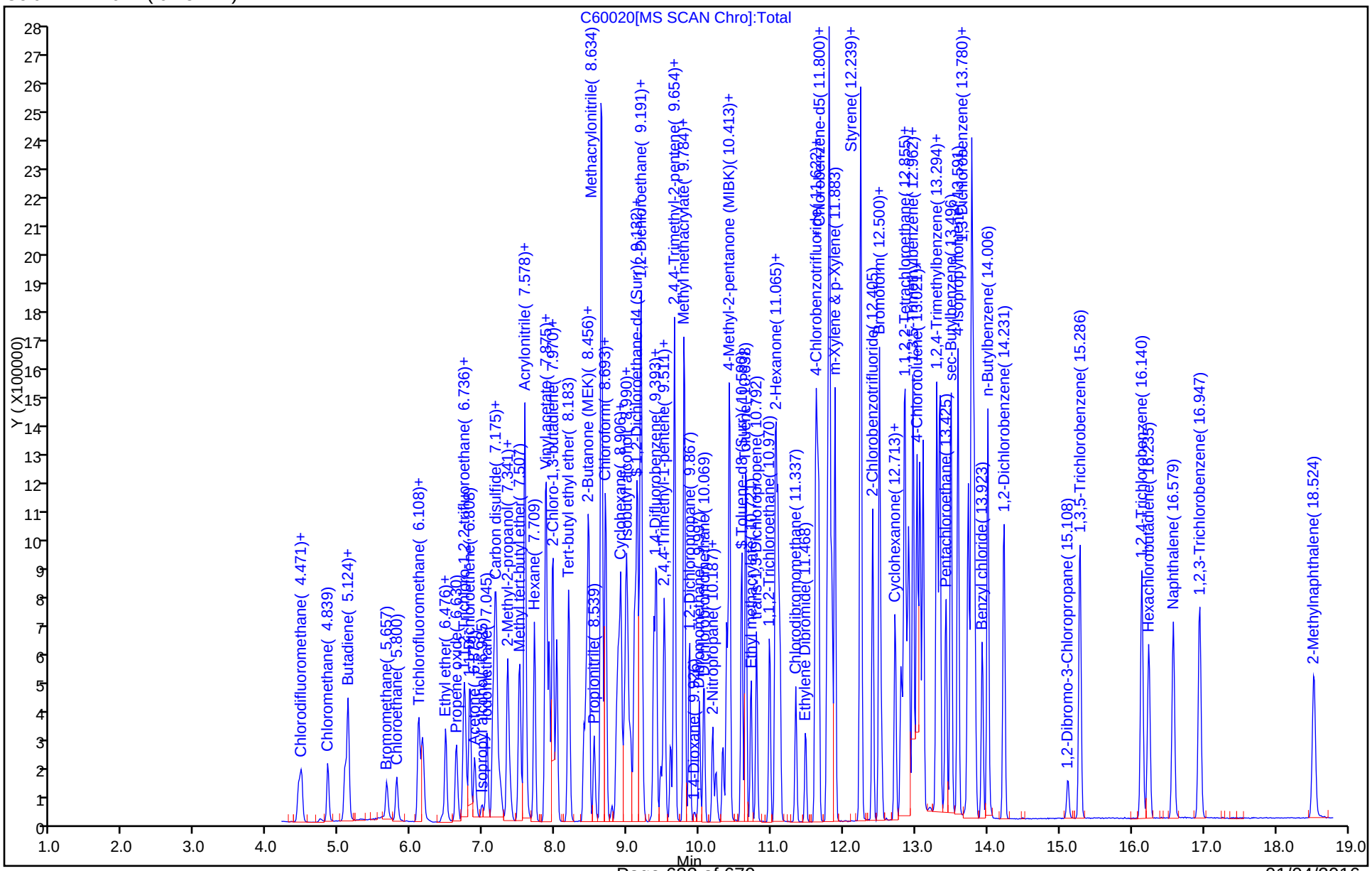
Report Date: 23-Dec-2015 00:20:10 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60020.D

Injection Date:	22-Dec-2015 23:51:30	Instrument ID:	HP5973C	Operator ID:	SO
Lims ID:	LCS 480-280904/1-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

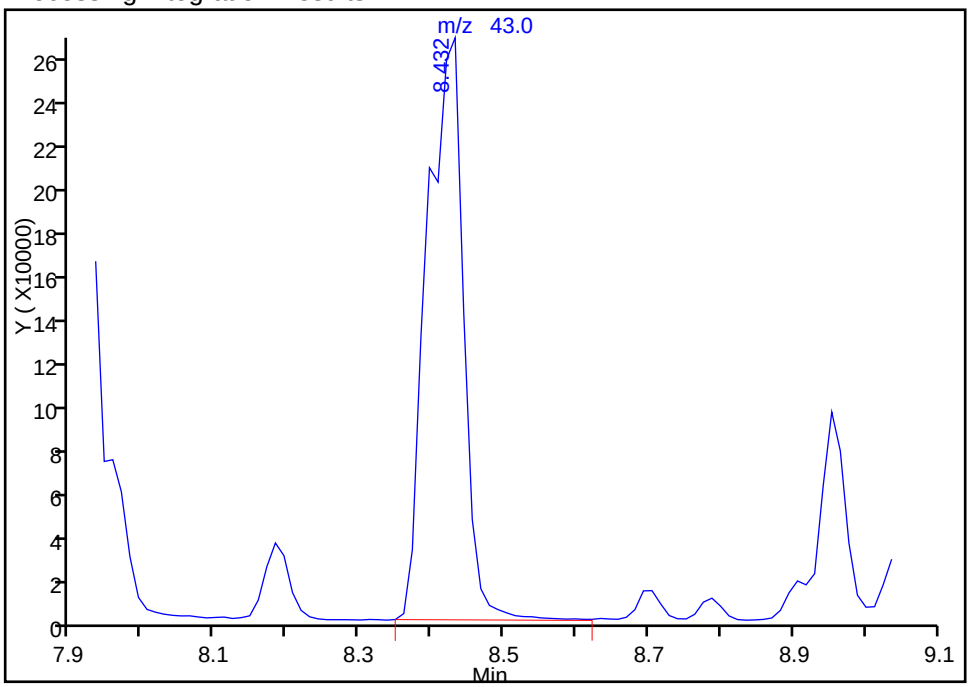
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151222-49508.b\C60020.D
Injection Date: 22-Dec-2015 23:51:30 Instrument ID: HP5973C
Lims ID: LCS 480-280904/1-A
Client ID:
Operator ID: SO ALS Bottle#: 30 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

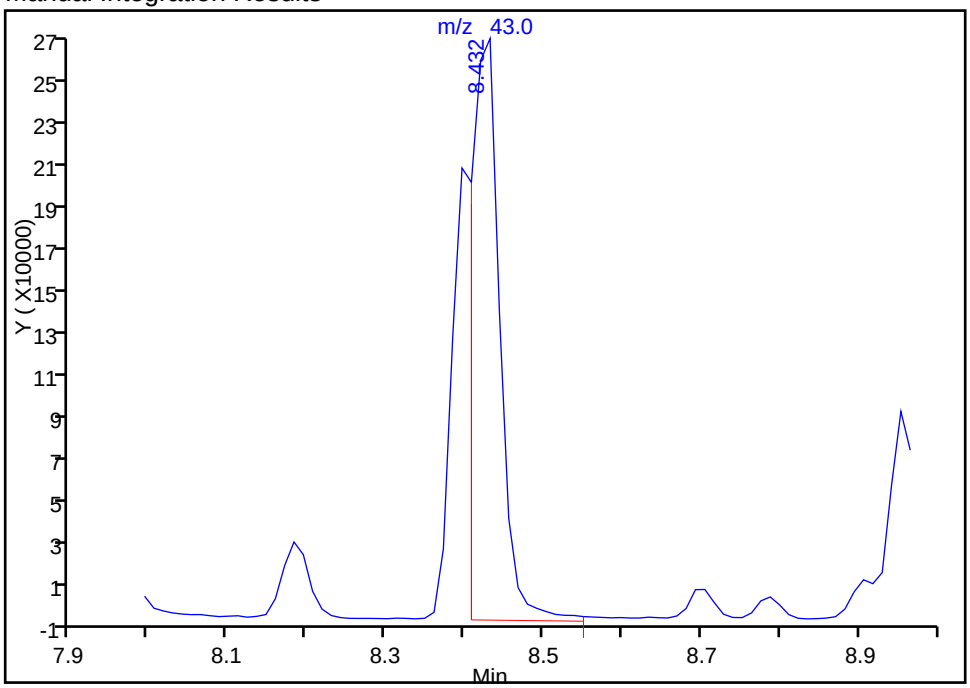
Processing Integration Results

RT: 8.43
Area: 925589
Amount: 187.2131
Amount Units: ug/L



Manual Integration Results

RT: 8.43
Area: 670703
Amount: 135.6589
Amount Units: ug/L



Reviewer: o'briens, 23-Dec-2015 00:20:09
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280931/1-A

Matrix: Solid | Lab File ID: P2532.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 12/21/2015 23:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	49.3		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	44.5		4.8	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	46.3		4.8	1.1
79-00-5	1,1,2-Trichloroethane	44.0		4.8	0.63
75-34-3	1,1-Dichloroethane	45.0		4.8	0.59
75-35-4	1,1-Dichloroethene	44.0		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	43.8		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	42.0		4.8	2.4
106-93-4	1,2-Dibromoethane	42.9		4.8	0.62
95-50-1	1,2-Dichlorobenzene	42.5		4.8	0.38
107-06-2	1,2-Dichloroethane	41.5		4.8	0.24
78-87-5	1,2-Dichloropropane	44.2		4.8	2.4
541-73-1	1,3-Dichlorobenzene	43.2		4.8	0.25
106-46-7	1,4-Dichlorobenzene	42.4		4.8	0.68
78-93-3	2-Butanone (MEK)	228		24	1.8
591-78-6	2-Hexanone	228		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	224		24	1.6
67-64-1	Acetone	261		24	4.1
71-43-2	Benzene	45.7		4.8	0.24
75-27-4	Bromodichloromethane	44.4		4.8	0.65
75-25-2	Bromoform	45.5		4.8	2.4
74-83-9	Bromomethane	47.9		4.8	0.44
75-15-0	Carbon disulfide	47.5		4.8	2.4
56-23-5	Carbon tetrachloride	50.5		4.8	0.47
108-90-7	Chlorobenzene	44.1		4.8	0.64
75-00-3	Chloroethane	54.2		4.8	1.1
67-66-3	Chloroform	44.4		4.8	0.30
74-87-3	Chloromethane	51.4		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	44.6		4.8	0.62
10061-01-5	cis-1,3-Dichloropropene	45.3		4.8	0.70
110-82-7	Cyclohexane	47.1		4.8	0.68
124-48-1	Dibromochloromethane	46.0		4.8	0.62
75-71-8	Dichlorodifluoromethane	56.7		4.8	0.40
100-41-4	Ethylbenzene	45.2		4.8	0.33
98-82-8	Isopropylbenzene	46.4		4.8	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-280931/1-A

Matrix: Solid | Lab File ID: P2532.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 12/21/2015 23:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 280926 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	215		4.8	2.9
1634-04-4	Methyl tert-butyl ether	42.7		4.8	0.48
108-87-2	Methylcyclohexane	47.2		4.8	0.74
75-09-2	Methylene Chloride	48.3		4.8	2.2
100-42-5	Styrene	44.2		4.8	0.24
127-18-4	Tetrachloroethene	45.2		4.8	0.65
108-88-3	Toluene	41.7		4.8	0.37
156-60-5	trans-1,2-Dichloroethene	45.3		4.8	0.50
10061-02-6	trans-1,3-Dichloropropene	45.8		4.8	2.1
79-01-6	Trichloroethene	44.5		4.8	1.1
75-69-4	Trichlorofluoromethane	58.7		4.8	0.46
75-01-4	Vinyl chloride	51.4		4.8	0.59
1330-20-7	Xylenes, Total	88.8		9.7	0.81

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2532.D
Lims ID: LCS 480-280931/1-A
Client ID:
Sample Type: LCS
Inject. Date: 21-Dec-2015 23:53:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-280931/1-A
Misc. Info.: 480-0049470-006
Operator ID: NMD Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Dec-2015 16:29:05 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK053

First Level Reviewer: diasn Date: 22-Dec-2015 00:22:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.894	9.900	-0.006	98	385295	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	791358	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	16.823	16.823	0.000	96	734504	50.0	50.0	
$ 152 Dibromofluoromethane (Surr	113	9.085	9.091	-0.006	93	508096	50.0	51.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.523	9.529	-0.006	0	311565	50.0	52.3	
$ 5 Toluene-d8 (Surr)	98	11.877	11.877	0.000	93	1747700	50.0	50.5	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	576993	50.0	47.9	
10 Dichlorodifluoromethane	85	4.035	4.042	-0.007	99	716927	50.0	58.5	
11 Chloromethane	50	4.340	4.340	0.000	99	581350	50.0	53.0	
17 Vinyl chloride	62	4.577	4.571	0.006	98	460131	50.0	53.0	
149 Butadiene	54	4.589	4.596	-0.007	97	463718	50.0	58.2	
12 Bromomethane	94	5.118	5.119	-0.001	94	246897	50.0	49.5	
13 Chloroethane	64	5.252	5.247	0.006	95	306265	50.0	55.9	
19 Dichlorofluoromethane	67	5.556	5.563	-0.007	98	960915	50.0	50.5	
14 Trichlorofluoromethane	101	5.672	5.672	0.000	98	931875	50.0	60.5	
20 Ethyl ether	59	5.964	5.964	0.000	97	496921	50.0	45.6	
22 Acrolein	56	6.219	6.226	-0.007	98	505467	250.0	215.9	
16 1,1,2-Trichloro-1,2,2-trif	101	6.305	6.305	0.000	95	614225	50.0	47.8	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	93	583966	50.0	45.4	
24 Acetone	43	6.390	6.396	-0.006	98	1191048	250.0	269.7	
18 Iodomethane	142	6.627	6.627	0.000	99	917170	50.0	46.7	
30 Methyl acetate	43	6.767	6.767	0.000	100	2246445	250.0	222.1	
27 Carbon disulfide	76	6.779	6.773	0.006	100	1950287	50.0	49.0	
28 3-Chloro-1-propene	41	6.809	6.810	-0.001	89	1040950	50.0	48.9	
31 Methylene Chloride	84	6.986	6.986	0.000	94	559535	50.0	49.8	
33 2-Methyl-2-propanol	59	6.998	7.005	-0.007	97	592815	500.0	413.1	
32 Methyl tert-butyl ether	73	7.223	7.224	-0.001	99	1512182	50.0	44.1	
34 Acrylonitrile	53	7.272	7.272	0.000	96	2070054	500.0	447.3	
35 trans-1,2-Dichloroethene	96	7.302	7.303	-0.001	92	507203	50.0	46.8	
36 Hexane	57	7.533	7.534	-0.001	96	925405	50.0	43.6	
38 Vinyl acetate	43	7.771	7.771	0.000	97	2624844	100.0	100.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	7.825	7.826	-0.001	97	1119315	50.0	46.4	
44 2-Butanone (MEK)	43	8.476	8.471	0.005	98	1531183	250.0	235.1	
43 cis-1,2-Dichloroethene	96	8.525	8.526	-0.001	87	541162	50.0	46.0	
45 2,2-Dichloropropane	77	8.531	8.532	-0.001	90	815175	50.0	49.4	
50 Chlorobromomethane	128	8.841	8.842	-0.001	91	255252	50.0	45.3	
51 Tetrahydrofuran	42	8.866	8.866	0.000	94	368490	100.0	86.9	
49 Chloroform	83	8.878	8.878	0.000	96	950278	50.0	45.8	
52 1,1,1-Trichloroethane	97	9.146	9.140	0.006	97	701780	50.0	50.9	
54 Cyclohexane	56	9.212	9.213	-0.001	95	1196336	50.0	48.6	
53 Isobutyl alcohol	43	9.292	9.286	0.006	96	649845	1250.0	1040.1	
56 1,1-Dichloropropene	75	9.310	9.316	-0.006	92	739654	50.0	48.6	
55 Carbon tetrachloride	117	9.352	9.353	-0.001	96	801044	50.0	52.1	
57 Benzene	78	9.596	9.596	0.000	98	2002329	50.0	47.1	
60 1,2-Dichloroethane	62	9.620	9.621	-0.001	96	821235	50.0	42.8	
59 n-Heptane	43	9.717	9.712	0.005	98	1015428	50.0	45.2	
62 Trichloroethene	95	10.350	10.345	0.005	95	528613	50.0	45.9	
64 Methylcyclohexane	83	10.581	10.588	-0.007	98	959521	50.0	48.7	
63 1,2-Dichloropropane	63	10.660	10.661	-0.001	92	562341	50.0	45.6	
68 1,4-Dioxane	88	10.776	10.783	-0.007	98	78617	1000.0	808.6	
69 Dibromomethane	93	10.849	10.856	-0.007	96	304264	50.0	44.7	
70 Dichlorobromomethane	83	10.989	10.989	0.000	97	709498	50.0	45.9	
71 2-Chloroethyl vinyl ether	63	11.257	11.251	0.006	92	220146	50.0	96.6	
73 cis-1,3-Dichloropropene	75	11.530	11.525	0.005	91	837339	50.0	46.7	
75 4-Methyl-2-pentanone (MIBK	43	11.634	11.634	0.000	99	3034093	250.0	231.4	
76 Toluene	92	11.968	11.969	-0.001	97	1210032	50.0	43.1	
77 Ethyl methacrylate	69	12.193	12.194	-0.001	94	557387	50.0	45.4	
78 trans-1,3-Dichloropropene	75	12.230	12.230	0.000	95	761938	50.0	47.2	
79 1,1,2-Trichloroethane	83	12.510	12.510	0.000	94	349990	50.0	45.4	
80 Tetrachloroethene	166	12.711	12.711	0.000	92	503136	50.0	46.6	
83 2-Hexanone	43	12.723	12.723	0.000	99	2127191	250.0	235.7	
82 1,3-Dichloropropane	76	12.747	12.748	-0.001	99	696680	50.0	44.6	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	499702	50.0	47.4	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	446306	50.0	44.3	
87 Chlorobenzene	112	13.885	13.879	0.006	93	1392610	50.0	45.5	
89 Ethylbenzene	91	13.946	13.946	0.000	98	2273761	50.0	46.7	
88 1,1,1,2-Tetrachloroethane	131	13.964	13.964	0.000	93	477624	50.0	46.0	
90 m-Xylene & p-Xylene	106	14.085	14.086	-0.001	99	956947	50.0	46.4	
93 o-Xylene	106	14.633	14.633	0.000	95	942211	50.0	45.3	
94 Styrene	104	14.651	14.652	-0.001	95	1466147	50.0	45.6	
92 Bromoform	173	15.010	15.005	0.005	95	311312	50.0	47.0	
95 Isopropylbenzene	105	15.077	15.078	-0.001	97	2493038	50.0	47.9	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	96	565984	50.0	46.0	
98 trans-1,4-Dichloro-2-buten	53	15.558	15.558	0.000	82	236534	50.0	48.5	
100 Bromobenzene	156	15.594	15.595	-0.001	92	560745	50.0	43.5	
101 1,2,3-Trichloropropane	110	15.594	15.595	-0.001	74	156085	50.0	43.0	
99 N-Propylbenzene	91	15.606	15.607	-0.001	99	2750515	50.0	47.9	
103 2-Chlorotoluene	126	15.795	15.795	0.000	94	525762	50.0	45.4	
102 1,3,5-Trimethylbenzene	105	15.801	15.802	-0.001	93	2019625	50.0	46.1	
105 4-Chlorotoluene	126	15.923	15.923	0.000	99	577898	50.0	46.6	
106 tert-Butylbenzene	134	16.239	16.240	-0.001	94	435079	50.0	46.9	
107 1,2,4-Trimethylbenzene	105	16.300	16.300	0.000	97	2159880	50.0	46.4	
109 sec-Butylbenzene	105	16.513	16.513	0.000	95	2767296	50.0	48.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	16.665	16.665	0.000	97	2258844	50.0	47.5	
110 1,3-Dichlorobenzene	146	16.756	16.751	0.005	96	1102847	50.0	44.6	
111 1,4-Dichlorobenzene	146	16.853	16.860	-0.007	92	1049409	50.0	43.8	
115 n-Butylbenzene	91	17.176	17.176	0.000	98	2183844	50.0	48.2	
116 1,2-Dichlorobenzene	146	17.340	17.341	-0.001	95	1084162	50.0	43.8	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	80	116726	50.0	43.3	
119 1,2,4-Trichlorobenzene	180	19.402	19.403	-0.001	94	785896	50.0	45.2	
120 Hexachlorobutadiene	225	19.555	19.555	0.000	96	454331	50.0	44.9	
121 Naphthalene	128	19.810	19.811	-0.001	98	1707458	50.0	46.0	
122 1,2,3-Trichlorobenzene	180	20.169	20.170	-0.001	94	688958	50.0	45.4	

Reagents:

P 8260 IS_00119	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00157	Amount Added:	1.00	Units: uL	Run Reagent

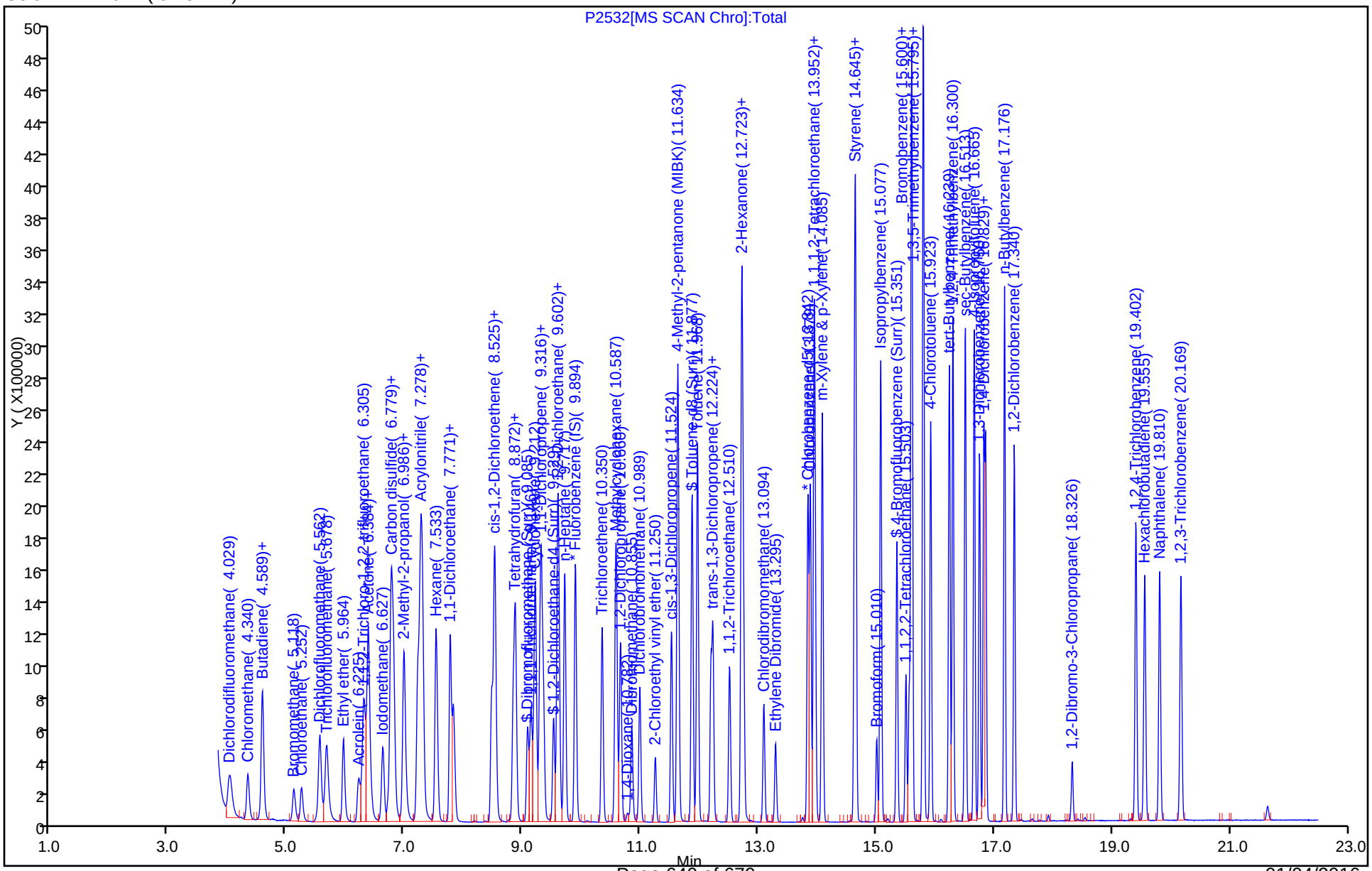
Report Date: 22-Dec-2015 16:29:08 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151221-49470.b\P2532.D

Injection Date:	21-Dec-2015 23:53:30	Instrument ID:	HP5973P	Operator ID:	NMD
Lims ID:	LCS 480-280931/1-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S2 MS | Lab Sample ID: 480-92744-4 MS

Matrix: Solid | Lab File ID: P2468.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:30

Sample wt/vol: 5.1(g) | Date Analyzed: 12/17/2015 21:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	49.7		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	118		5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	47.2		5.3	1.2
79-00-5	1,1,2-Trichloroethane	57.9		5.3	0.69
75-34-3	1,1-Dichloroethane	47.2		5.3	0.64
75-35-4	1,1-Dichloroethene	44.6		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	3.01	J	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	36.7		5.3	2.6
106-93-4	1,2-Dibromoethane	32.2		5.3	0.68
95-50-1	1,2-Dichlorobenzene	21.5		5.3	0.41
107-06-2	1,2-Dichloroethane	36.6		5.3	0.26
78-87-5	1,2-Dichloropropane	37.1		5.3	2.6
541-73-1	1,3-Dichlorobenzene	18.6		5.3	0.27
106-46-7	1,4-Dichlorobenzene	17.8		5.3	0.74
78-93-3	2-Butanone (MEK)	179		26	1.9
591-78-6	2-Hexanone	158		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	279		26	1.7
67-64-1	Acetone	216		26	4.4
71-43-2	Benzene	41.7		5.3	0.26
75-27-4	Bromodichloromethane	38.4		5.3	0.71
75-25-2	Bromoform	33.2		5.3	2.6
74-83-9	Bromomethane	71.3		5.3	0.47
75-15-0	Carbon disulfide	44.8		5.3	2.6
56-23-5	Carbon tetrachloride	48.1		5.3	0.51
108-90-7	Chlorobenzene	28.1		5.3	0.70
75-00-3	Chloroethane	63.8		5.3	1.2
67-66-3	Chloroform	47.1		5.3	0.33
74-87-3	Chloromethane	53.9		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	42.4		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	23.4		5.3	0.76
110-82-7	Cyclohexane	33.5		5.3	0.74
124-48-1	Dibromochloromethane	55.6		5.3	0.68
75-71-8	Dichlorodifluoromethane	52.9		5.3	0.44
100-41-4	Ethylbenzene	20.8		5.3	0.36
98-82-8	Isopropylbenzene	52.2		5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S2 MS | Lab Sample ID: 480-92744-4 MS

Matrix: Solid | Lab File ID: P2468.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:30

Sample wt/vol: 5.1(g) | Date Analyzed: 12/17/2015 21:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	191		5.3	3.2
1634-04-4	Methyl tert-butyl ether	46.1		5.3	0.52
108-87-2	Methylcyclohexane	15.7		5.3	0.80
75-09-2	Methylene Chloride	55.6		5.3	2.4
100-42-5	Styrene	13.3		5.3	0.26
127-18-4	Tetrachloroethene	33.7		5.3	0.71
108-88-3	Toluene	42.2		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	40.7		5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	31.4		5.3	2.3
79-01-6	Trichloroethene	29.7		5.3	1.2
75-69-4	Trichlorofluoromethane	56.5		5.3	0.50
75-01-4	Vinyl chloride	49.7		5.3	0.64
1330-20-7	Xylenes, Total	40.7		11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
460-00-4	4-Bromofluorobenzene (Surr)	43	X *	72-126
2037-26-5	Toluene-d8 (Surr)	144	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2468.D
Lims ID: 480-92744-A-4-B MS
Client ID: B19-POLEBARN-S2
Sample Type: MS
Inject. Date: 17-Dec-2015 21:58:30 ALS Bottle#: 19 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-4-B MS
Misc. Info.: 480-0049333-026
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:50:20 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:50:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	288005	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.843	13.842	0.001	88	303268	50.0	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.830	16.823	0.007	97	78127	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.529	9.523	0.006	0	214646	50.0	48.2	
$ 5 Toluene-d8 (Surr)	98	11.878	11.877	0.001	93	953815	50.0	71.9	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	99788	50.0	21.6	
10 Dichlorodifluoromethane	85	4.036	4.042	-0.006	99	458566	100000	50.1	
11 Chloromethane	50	4.346	4.340	0.006	99	418489	100000	51.1	
17 Vinyl chloride	62	4.583	4.577	0.006	97	305325	100000	47.1	
12 Bromomethane	94	5.131	5.125	0.006	95	252102	100000	67.6	
13 Chloroethane	64	5.259	5.246	0.013	96	247577	100000	60.4	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	616340	100000	53.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.317	6.311	0.006	95	429138	100000	44.7	
25 1,1-Dichloroethene	96	6.378	6.378	0.000	94	405903	100000	42.3	
24 Acetone	43	6.402	6.396	0.006	98	674453	500000	204.3	
30 Methyl acetate	43	6.773	6.767	0.006	100	1370848	500000	181.3	
27 Carbon disulfide	76	6.779	6.779	0.000	64	1262801	100000	42.4	
31 Methylene Chloride	84	6.992	6.986	0.006	94	441047	100000	52.7	
32 Methyl tert-butyl ether	73	7.230	7.224	0.006	99	1120154	100000	43.7	
35 trans-1,2-Dichloroethene	96	7.309	7.303	0.006	93	312689	100000	38.6	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	806513	100000	44.8	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	823943	500000	169.2	
43 cis-1,2-Dichloroethene	96	8.532	8.525	0.007	87	353511	100000	40.2	
49 Chloroform	83	8.884	8.878	0.006	96	692668	100000	44.7	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	98	485925	100000	47.1	
54 Cyclohexane	56	9.219	9.213	0.006	96	583533	100000	31.7	
55 Carbon tetrachloride	117	9.353	9.347	0.006	98	524047	100000	45.6	
57 Benzene	78	9.602	9.596	0.006	98	1254782	100000	39.5	
60 1,2-Dichloroethane	62	9.627	9.621	0.006	97	497147	100000	34.7	
62 Trichloroethene	95	10.357	10.351	0.006	95	241780	100000	28.1	
64 Methylcyclohexane	83	10.588	10.588	0.000	98	219782	100000	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	90	324255	100000	35.2	
70 Dichlorobromomethane	83	10.989	10.989	0.000	98	420906	100000	36.4	
73 cis-1,3-Dichloropropene	75	11.531	11.525	0.006	90	296937	100000	22.2	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	1330103	500000	264.7	
76 Toluene	92	11.975	11.969	0.006	97	430587	100000	40.0	
78 trans-1,3-Dichloropropene	75	12.236	12.230	0.006	95	183934	100000	29.7	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	94	161977	100000	54.9	
80 Tetrachloroethene	166	12.723	12.711	0.012	89	132222	100000	32.0	
83 2-Hexanone	43	12.729	12.723	0.006	97	518084	500000	149.8	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	212510	100000	52.6	
85 Ethylene Dibromide	107	13.295	13.295	0.000	97	117855	100000	30.5	
87 Chlorobenzene	112	13.885	13.879	0.006	93	312298	100000	26.6	
89 Ethylbenzene	91	13.946	13.946	0.000	98	367375	100000	19.7	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	100	125744		15.9	
93 o-Xylene	106	14.639	14.633	0.006	98	180415		22.7	
94 Styrene	104	14.652	14.652	0.000	94	155631	100000	12.6	
92 Bromoform	173	15.011	15.004	0.007	95	79961	100000	31.5	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	273819	100000	49.5	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	146621	100000	111.9	
110 1,3-Dichlorobenzene	146	16.757	16.750	0.007	97	46437	100000	17.6	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	94	42887	100000	16.8	
116 1,2-Dichlorobenzene	146	17.341	17.341	0.000	96	53678	100000	20.4	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	77	9960	100000	34.8	
119 1,2,4-Trichlorobenzene	180	19.403	19.403	0.000	93	5271	100000	2.85	
S 126 Xylenes, Total	1				0			38.5	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

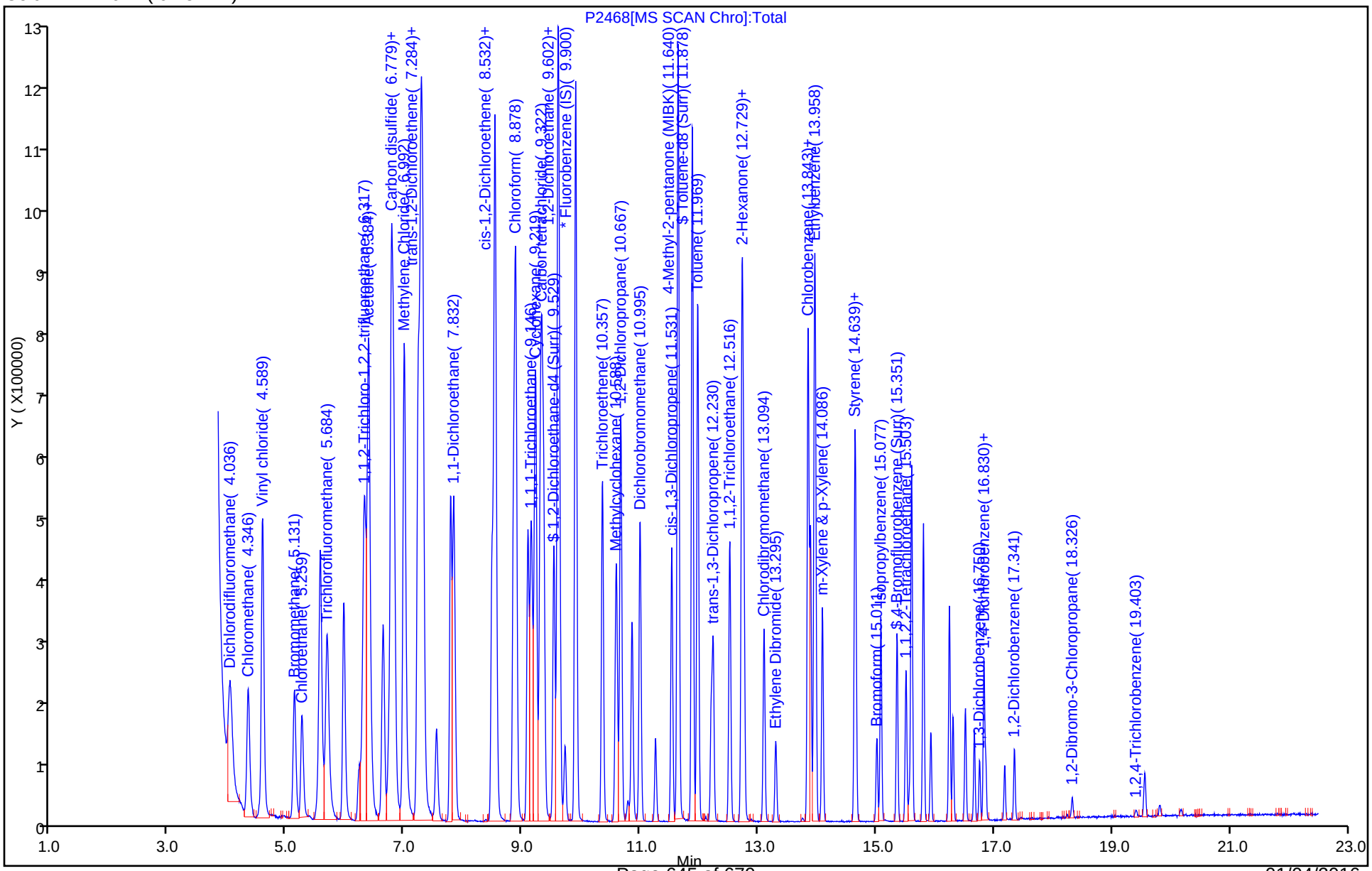
Report Date: 18-Dec-2015 01:50:56 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2468.D

Injection Date:	17-Dec-2015 21:58:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-4-B MS			Worklist Smp#:	26
Client ID:	B19-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S2 MSD | Lab Sample ID: 480-92744-4 MSD

Matrix: Solid | Lab File ID: P2469.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:30

Sample wt/vol: 5.15(g) | Date Analyzed: 12/17/2015 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	51.8		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	152		5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50.3		5.2	1.2
79-00-5	1,1,2-Trichloroethane	61.3		5.2	0.68
75-34-3	1,1-Dichloroethane	48.2		5.2	0.64
75-35-4	1,1-Dichloroethene	45.3		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	3.93	J	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	45.0		5.2	2.6
106-93-4	1,2-Dibromoethane	33.3		5.2	0.67
95-50-1	1,2-Dichlorobenzene	26.2		5.2	0.41
107-06-2	1,2-Dichloroethane	36.5		5.2	0.26
78-87-5	1,2-Dichloropropane	37.4		5.2	2.6
541-73-1	1,3-Dichlorobenzene	22.6		5.2	0.27
106-46-7	1,4-Dichlorobenzene	20.1		5.2	0.73
78-93-3	2-Butanone (MEK)	180		26	1.9
591-78-6	2-Hexanone	170		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	310		26	1.7
67-64-1	Acetone	222		26	4.4
71-43-2	Benzene	42.0		5.2	0.26
75-27-4	Bromodichloromethane	37.9		5.2	0.70
75-25-2	Bromoform	35.2		5.2	2.6
74-83-9	Bromomethane	69.4		5.2	0.47
75-15-0	Carbon disulfide	45.0		5.2	2.6
56-23-5	Carbon tetrachloride	48.7		5.2	0.51
108-90-7	Chlorobenzene	29.0		5.2	0.69
75-00-3	Chloroethane	65.4		5.2	1.2
67-66-3	Chloroform	47.1		5.2	0.32
74-87-3	Chloromethane	58.2		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	43.4		5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	22.5		5.2	0.75
110-82-7	Cyclohexane	34.7		5.2	0.73
124-48-1	Dibromochloromethane	59.1		5.2	0.67
75-71-8	Dichlorodifluoromethane	56.0		5.2	0.43
100-41-4	Ethylbenzene	22.3		5.2	0.36
98-82-8	Isopropylbenzene	70.6		5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-92744-1

SDG No.:

Client Sample ID: B19-POLEBARN-S2 MSD | Lab Sample ID: 480-92744-4 MSD

Matrix: Solid | Lab File ID: P2469.D

Analysis Method: 8260C | Date Collected: 12/14/2015 11:30

Sample wt/vol: 5.15(g) | Date Analyzed: 12/17/2015 22:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.1 | Level: (low/med) Low

Analysis Batch No.: 280267 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	192		5.2	3.2
1634-04-4	Methyl tert-butyl ether	46.9		5.2	0.51
108-87-2	Methylcyclohexane	17.4		5.2	0.79
75-09-2	Methylene Chloride	57.0		5.2	2.4
100-42-5	Styrene	13.8		5.2	0.26
127-18-4	Tetrachloroethene	36.3		5.2	0.70
108-88-3	Toluene	45.9		5.2	0.40
156-60-5	trans-1,2-Dichloroethene	40.7		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	30.8		5.2	2.3
79-01-6	Trichloroethene	29.1		5.2	1.1
75-69-4	Trichlorofluoromethane	57.2		5.2	0.49
75-01-4	Vinyl chloride	52.2		5.2	0.64
1330-20-7	Xylenes, Total	45.0		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
460-00-4	4-Bromofluorobenzene (Surr)	40	X *	72-126
2037-26-5	Toluene-d8 (Surr)	149	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2469.D
Lims ID: 480-92744-A-4-C MSD
Client ID: B19-POLEBARN-S2
Sample Type: MSD
Inject. Date: 17-Dec-2015 22:25:30 ALS Bottle#: 20 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-92744-A-4-C MSD
Misc. Info.: 480-0049333-027
Operator ID: CDC Instrument ID: HP5973P

Method: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P-8260SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Dec-2015 01:54:08 Calib Date: 02-Dec-2015 08:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20151201-48850.b\P1891.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK051

First Level Reviewer: diasn Date: 18-Dec-2015 01:54:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 151 Fluorobenzene (IS)	70	9.900	9.894	0.006	98	283067	50.0	50.0	
* 2 Chlorobenzene-d5	82	13.842	13.842	0.000	89	270608	50.0	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	16.829	16.823	0.006	96	60438	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.535	9.523	0.012	0	215298	50.0	49.2	
$ 5 Toluene-d8 (Surr)	98	11.883	11.877	0.006	93	883660	50.0	74.6	
$ 6 4-Bromofluorobenzene (Surr	174	15.351	15.351	0.000	87	82269	50.0	20.0	
10 Dichlorodifluoromethane	85	4.035	4.042	-0.007	98	482211	100000	53.6	
11 Chloromethane	50	4.346	4.340	0.006	98	448788	100000	55.7	
17 Vinyl chloride	62	4.583	4.577	0.006	98	318299	100000	49.9	
12 Bromomethane	94	5.131	5.125	0.006	94	243364	100000	66.4	
13 Chloroethane	64	5.258	5.246	0.012	96	252040	100000	62.6	
14 Trichlorofluoromethane	101	5.678	5.678	0.000	98	619123	100000	54.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.311	6.311	0.000	95	453577	100000	48.1	
25 1,1-Dichloroethene	96	6.384	6.378	0.006	93	408842	100000	43.3	
24 Acetone	43	6.396	6.396	0.000	98	689692	500000	212.6	
30 Methyl acetate	43	6.767	6.767	0.000	100	1364496	500000	183.6	
27 Carbon disulfide	76	6.785	6.779	0.006	100	1258343	100000	43.0	
31 Methylene Chloride	84	6.992	6.986	0.006	94	447934	100000	54.5	
32 Methyl tert-butyl ether	73	7.229	7.224	0.005	99	1129559	100000	44.8	
35 trans-1,2-Dichloroethene	96	7.308	7.303	0.005	93	310106	100000	38.9	
40 1,1-Dichloroethane	63	7.832	7.826	0.006	97	816370	100000	46.1	
44 2-Butanone (MEK)	43	8.483	8.477	0.006	98	824280	500000	172.3	
43 cis-1,2-Dichloroethene	96	8.531	8.525	0.006	87	358842	100000	41.5	
49 Chloroform	83	8.884	8.878	0.006	95	687543	100000	45.1	
52 1,1,1-Trichloroethane	97	9.146	9.146	0.000	97	502698	100000	49.6	
54 Cyclohexane	56	9.219	9.213	0.006	96	600934	100000	33.2	
55 Carbon tetrachloride	117	9.353	9.347	0.006	97	526383	100000	46.6	
57 Benzene	78	9.602	9.596	0.006	98	1253651	100000	40.2	
60 1,2-Dichloroethane	62	9.626	9.621	0.005	97	492423	100000	34.9	
62 Trichloroethene	95	10.356	10.351	0.005	94	235592	100000	27.9	
64 Methylcyclohexane	83	10.587	10.588	-0.001	98	241086	100000	16.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	10.667	10.661	0.006	91	324097	100000	35.8	
70 Dichlorobromomethane	83	10.995	10.989	0.006	98	412626	100000	36.3	
73 cis-1,3-Dichloropropene	75	11.530	11.525	0.005	90	283435	100000	21.5	
75 4-Methyl-2-pentanone (MIBK	43	11.640	11.634	0.006	99	1331711	500000	297.0	
76 Toluene	92	11.975	11.969	0.006	97	422326	100000	43.9	
78 trans-1,3-Dichloropropene	75	12.236	12.230	0.006	98	162548	100000	29.5	
79 1,1,2-Trichloroethane	83	12.516	12.516	0.000	95	154399	100000	58.6	
80 Tetrachloroethene	166	12.717	12.711	0.006	91	128173	100000	34.7	
83 2-Hexanone	43	12.729	12.723	0.006	99	500526	500000	162.2	
81 Chlorodibromomethane	129	13.094	13.094	0.000	90	203599	100000	56.5	
85 Ethylene Dibromide	107	13.295	13.295	0.000	98	109718	100000	31.9	
87 Chlorobenzene	112	13.885	13.879	0.006	93	290367	100000	27.7	
89 Ethylbenzene	91	13.952	13.946	0.006	98	355115	100000	21.3	
90 m-Xylene & p-Xylene	106	14.086	14.086	0.000	99	126445		17.9	
93 o-Xylene	106	14.639	14.633	0.006	96	179084		25.2	
94 Styrene	104	14.657	14.652	0.005	95	145678	100000	13.2	
92 Bromoform	173	15.010	15.004	0.006	95	76282	100000	33.7	
95 Isopropylbenzene	105	15.077	15.077	0.000	97	289304	100000	67.5	
97 1,1,2,2-Tetrachloroethane	83	15.503	15.503	0.000	97	146964	100000	145.0	
110 1,3-Dichlorobenzene	146	16.756	16.750	0.006	97	44048	100000	21.6	
111 1,4-Dichlorobenzene	146	16.860	16.860	0.000	95	37967	100000	19.3	
116 1,2-Dichlorobenzene	146	17.346	17.341	0.005	94	50942	100000	25.0	
117 1,2-Dibromo-3-Chloropropan	75	18.326	18.326	0.000	75	9532	100000	43.0	
119 1,2,4-Trichlorobenzene	180	19.415	19.415	0.012	23	5378	100000	3.76	M
S 126 Xylenes, Total	1				0			43.1	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00118	Amount Added:	1.00	Units: uL	Run Reagent
P 8260 Surr._00156	Amount Added:	1.00	Units: uL	Run Reagent

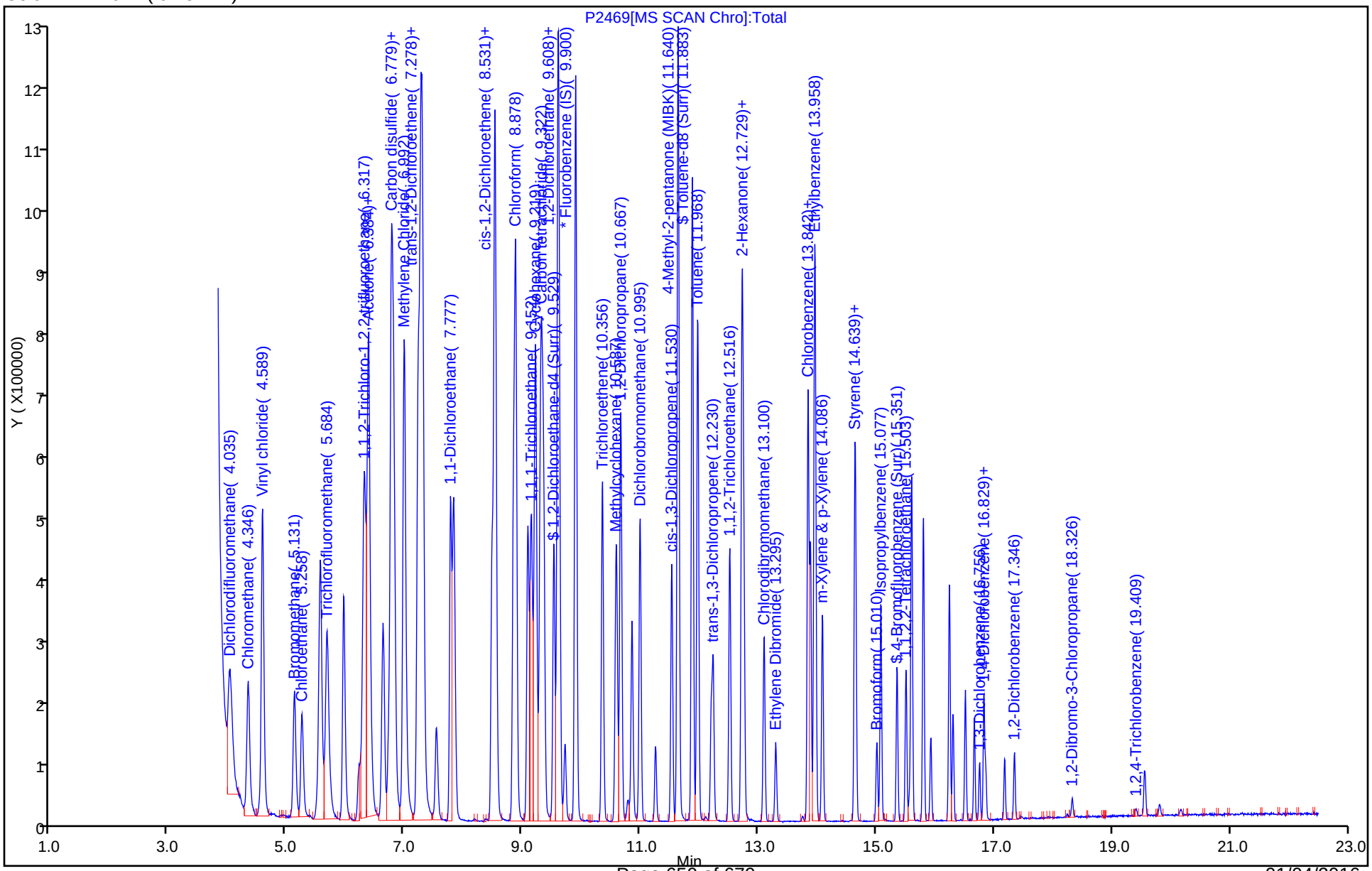
Report Date: 18-Dec-2015 01:54:08 Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2469.D

Injection Date:	17-Dec-2015 22:25:30	Instrument ID:	HP5973P	Operator ID:	CDC
Lims ID:	480-92744-A-4-C MSD			Worklist Smp#:	27
Client ID:	B19-POLEBARN-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	P-8260SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

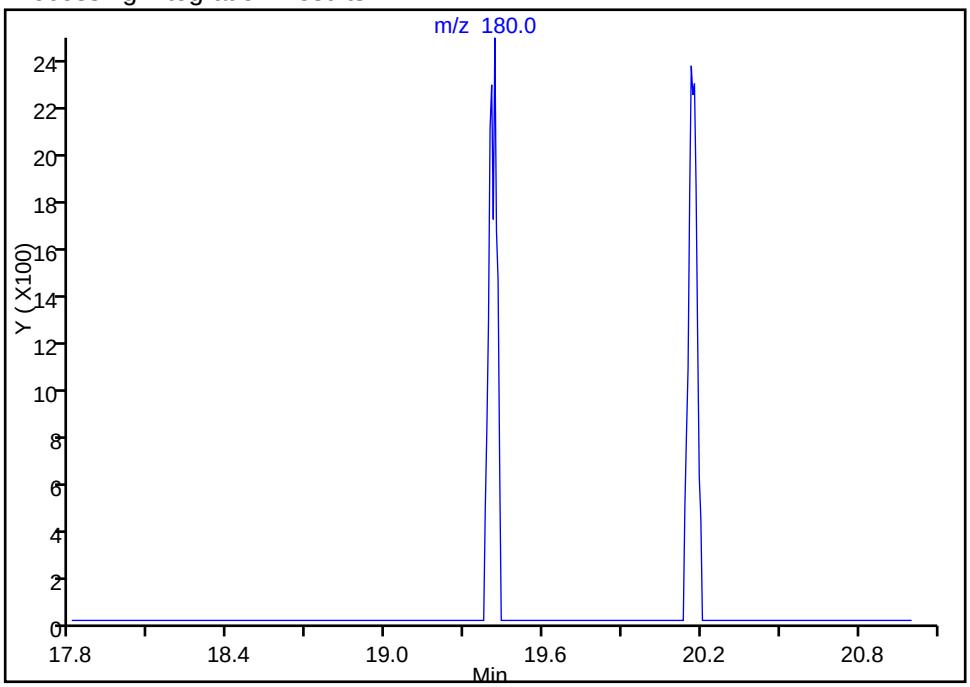
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20151217-49333.b\P2469.D
Injection Date: 17-Dec-2015 22:25:30 Instrument ID: HP5973P
Lims ID: 480-92744-A-4-C MSD
Client ID: B19-POLEBARN-S2
Operator ID: CDC ALS Bottle#: 20 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

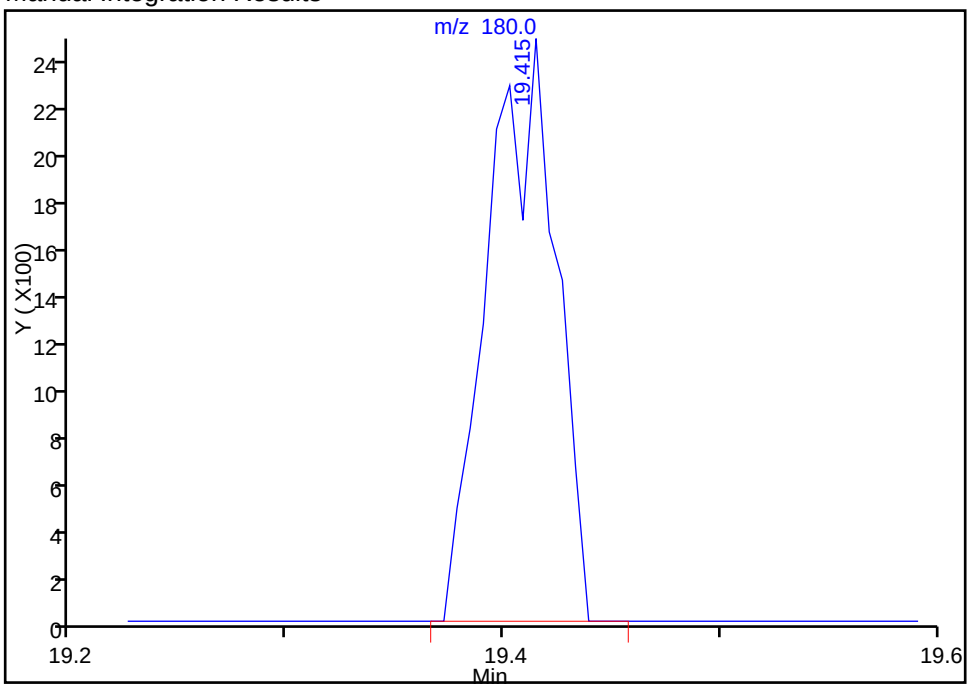
Not Detected
Expected RT: 19.40

Processing Integration Results



RT: 19.41
Area: 5378
Amount: 3.757154
Amount Units: ug/L

Manual Integration Results



Reviewer: diasn, 18-Dec-2015 01:54:08
Audit Action: Manually Integrated
Audit Reason: Split Peak

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973C Start Date: 12/11/2015 13:23

Analysis Batch Number: 279331 End Date: 12/12/2015 00:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279331/2		12/11/2015 13:23	1	C59579.D	ZB-624 (30) 0.53(mm)
IC 480-279331/4		12/11/2015 14:15	1	C59581.D	ZB-624 (30) 0.53(mm)
IC 480-279331/5		12/11/2015 14:41	1	C59582.D	ZB-624 (30) 0.53(mm)
IC 480-279331/6		12/11/2015 15:07	1	C59583.D	ZB-624 (30) 0.53(mm)
IC 480-279331/7		12/11/2015 15:58	1	C59584.D	ZB-624 (30) 0.53(mm)
IC 480-279331/8		12/11/2015 16:23	1	C59585.D	ZB-624 (30) 0.53(mm)
ICIS 480-279331/9		12/11/2015 16:49	1	C59586.D	ZB-624 (30) 0.53(mm)
IC 480-279331/10		12/11/2015 17:15	1	C59587.D	ZB-624 (30) 0.53(mm)
IC 480-279331/11		12/11/2015 17:40	1	C59588.D	ZB-624 (30) 0.53(mm)
MDLV 480-279331/13		12/11/2015 18:32	1		ZB-624 (30) 0.53(mm)
MDLV 480-279331/14		12/11/2015 18:57	1		ZB-624 (30) 0.53(mm)
IC 480-279331/16		12/11/2015 19:49	1		ZB-624 (30) 0.53(mm)
IC 480-279331/17		12/11/2015 20:14	1		ZB-624 (30) 0.53(mm)
IC 480-279331/18		12/11/2015 20:40	1		ZB-624 (30) 0.53(mm)
IC 480-279331/19		12/11/2015 21:06	1		ZB-624 (30) 0.53(mm)
IC 480-279331/20		12/11/2015 21:32	1		ZB-624 (30) 0.53(mm)
IC 480-279331/21		12/11/2015 21:58	1		ZB-624 (30) 0.53(mm)
IC 480-279331/22		12/11/2015 22:23	1		ZB-624 (30) 0.53(mm)
MDLV 480-279331/24		12/11/2015 23:15	1		ZB-624 (30) 0.53(mm)
ICV 480-279331/25		12/11/2015 23:40	1		ZB-624 (30) 0.53(mm)
ICV 480-279331/26		12/12/2015 00:06	1		ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973C Start Date: 12/22/2015 22:33

Analysis Batch Number: 281182 End Date: 12/23/2015 09:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-281182/1		12/22/2015 22:33	1	C60017.D	ZB-624 (30) 0.53(mm)
CCVIS 480-281182/2		12/22/2015 23:00	1	C60018.D	ZB-624 (30) 0.53(mm)
CCV 480-281182/3		12/22/2015 23:26	1	C60019.D	ZB-624 (30) 0.53(mm)
LCS 480-280904/1-A		12/22/2015 23:51	1	C60020.D	ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 00:17	1		ZB-624 (30) 0.53(mm)
RL 480-281182/5		12/23/2015 00:43	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 01:08	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 01:33	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 01:59	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 02:25	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 02:51	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 03:16	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 03:41	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 04:07	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 04:33	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 04:59	500		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 05:24	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 05:49	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 06:15	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 06:41	2		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 07:07	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 07:32	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 07:58	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 08:24	1		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 08:50	500		ZB-624 (30) 0.53(mm)
ZZZZZ		12/23/2015 09:15	500		ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/02/2015 00:49

Analysis Batch Number: 277678 End Date: 12/02/2015 09:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-277678/1		12/02/2015 00:49	1	P1875.D	ZB-624 (60) 0.25(mm)
IC 480-277678/3		12/02/2015 01:45	1	P1877.D	ZB-624 (60) 0.25(mm)
IC 480-277678/4		12/02/2015 02:13	1	P1878.D	ZB-624 (60) 0.25(mm)
IC 480-277678/5		12/02/2015 02:40	1	P1879.D	ZB-624 (60) 0.25(mm)
IC 480-277678/6		12/02/2015 03:07	1	P1880.D	ZB-624 (60) 0.25(mm)
ICIS 480-277678/7		12/02/2015 03:34	1	P1881.D	ZB-624 (60) 0.25(mm)
IC 480-277678/8		12/02/2015 04:01	1	P1882.D	ZB-624 (60) 0.25(mm)
IC 480-277678/9		12/02/2015 04:29	1	P1883.D	ZB-624 (60) 0.25(mm)
IC 480-277678/11		12/02/2015 05:23	1		ZB-624 (60) 0.25(mm)
IC 480-277678/12		12/02/2015 05:50	1		ZB-624 (60) 0.25(mm)
IC 480-277678/13		12/02/2015 06:17	1		ZB-624 (60) 0.25(mm)
IC 480-277678/14		12/02/2015 06:44	1		ZB-624 (60) 0.25(mm)
IC 480-277678/15		12/02/2015 07:11	1		ZB-624 (60) 0.25(mm)
IC 480-277678/16		12/02/2015 07:38	1		ZB-624 (60) 0.25(mm)
IC 480-277678/17		12/02/2015 08:06	1		ZB-624 (60) 0.25(mm)
MDLV 480-277678/19		12/02/2015 09:00	1		ZB-624 (60) 0.25(mm)
MDLV 480-277678/20		12/02/2015 09:27	1		ZB-624 (60) 0.25(mm)
ICV 480-277678/21		12/02/2015 09:54	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/17/2015 10:26

Analysis Batch Number: 280267 End Date: 12/17/2015 22:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280267/2		12/17/2015 10:26	1	P2444.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280267/3		12/17/2015 10:54	1	P2445.D	ZB-624 (60) 0.25(mm)
CCV 480-280267/4		12/17/2015 11:40	1		ZB-624 (60) 0.25(mm)
LCS 480-280259/1-A		12/17/2015 12:07	1	P2447.D	ZB-624 (60) 0.25(mm)
MB 480-280259/2-A		12/17/2015 13:02	1	P2449.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 13:46	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 14:13	1		ZB-624 (60) 0.25(mm)
480-92744-1	B18-POLEBARN-S1	12/17/2015 14:40	1	P2452.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 15:07	1		ZB-624 (60) 0.25(mm)
480-92744-3	B19-POLEBARN-S1	12/17/2015 15:35	1	P2454.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 16:02	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 16:29	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 16:57	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 17:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 17:52	1		ZB-624 (60) 0.25(mm)
480-92744-9	B21-POLEBARN-S2	12/17/2015 18:19	1	P2460.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 18:46	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 19:14	1		ZB-624 (60) 0.25(mm)
480-92744-12	B37-POLEBARN-S3	12/17/2015 19:41	1	P2463.D	ZB-624 (60) 0.25(mm)
480-92744-13	B38-POLEBARN-S1	12/17/2015 20:09	1	P2464.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/17/2015 20:36	1		ZB-624 (60) 0.25(mm)
480-92744-15	B38-POLEBARN-S3	12/17/2015 21:03	1	P2466.D	ZB-624 (60) 0.25(mm)
480-92744-16	B-POLEBARN-DUP4	12/17/2015 21:31	1	P2467.D	ZB-624 (60) 0.25(mm)
480-92744-4 MS	B19-POLEBARN-S2 MS	12/17/2015 21:58	1	P2468.D	ZB-624 (60) 0.25(mm)
480-92744-4 MSD	B19-POLEBARN-S2 MSD	12/17/2015 22:25	1	P2469.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/17/2015 23:11

Analysis Batch Number: 280424 End Date: 12/18/2015 14:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280424/1		12/17/2015 23:11	1	P2470.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280424/2		12/17/2015 23:38	1	P2471.D	ZB-624 (60) 0.25(mm)
CCV 480-280424/3		12/18/2015 00:06	1		ZB-624 (60) 0.25(mm)
LCS 480-280425/1-A		12/18/2015 00:48	1	P2473.D	ZB-624 (60) 0.25(mm)
MB 480-280425/2-A		12/18/2015 01:43	1	P2475.D	ZB-624 (60) 0.25(mm)
480-92744-2	B18-POLEBARN-S2	12/18/2015 02:52	1	P2476.D	ZB-624 (60) 0.25(mm)
480-92744-4	B19-POLEBARN-S2	12/18/2015 03:19	1	P2477.D	ZB-624 (60) 0.25(mm)
480-92744-5	B20-POLEBARN-S1	12/18/2015 03:46	1	P2478.D	ZB-624 (60) 0.25(mm)
480-92744-6	B20-POLEBARN-S2	12/18/2015 04:13	1	P2479.D	ZB-624 (60) 0.25(mm)
480-92744-7	B20-POLEBARN-S3	12/18/2015 04:40	1	P2480.D	ZB-624 (60) 0.25(mm)
480-92744-8	B21-POLEBARN-S1	12/18/2015 05:08	1	P2481.D	ZB-624 (60) 0.25(mm)
480-92744-10	B37-POLEBARN-S1	12/18/2015 05:35	1	P2482.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 06:02	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 06:29	1		ZB-624 (60) 0.25(mm)
480-92744-13 DL	B38-POLEBARN-S1 DL	12/18/2015 06:56	1	P2485.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 07:23	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 07:50	1		ZB-624 (60) 0.25(mm)
480-92744-17	B36-POLEBARN-S1	12/18/2015 08:18	1	P2488.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 09:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 09:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 10:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 10:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 11:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 11:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 13:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 13:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 14:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/18/2015 14:31	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973P Start Date: 12/21/2015 22:22

Analysis Batch Number: 280926 End Date: 12/22/2015 09:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280926/3		12/21/2015 22:22	1	P2529.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280926/4		12/21/2015 22:51	1	P2530.D	ZB-624 (60) 0.25(mm)
CCV 480-280926/5		12/21/2015 23:18	1		ZB-624 (60) 0.25(mm)
LCS 480-280931/1-A		12/21/2015 23:53	1	P2532.D	ZB-624 (60) 0.25(mm)
MB 480-280931/2-A		12/22/2015 00:47	1	P2534.D	ZB-624 (60) 0.25(mm)
480-92744-18	B36-POLEBARN-S2	12/22/2015 01:19	1	P2535.D	ZB-624 (60) 0.25(mm)
480-92744-19	B36-POLEBARN-S3	12/22/2015 01:46	1	P2536.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 02:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 02:41	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 03:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 03:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:31	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 06:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 06:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:15	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:43	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 08:10	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 08:38	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 09:05	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/07/2015 13:03

Analysis Batch Number: 278464 End Date: 12/07/2015 21:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-278464/3		12/07/2015 13:03	1	S5792.D	ZB-624 (60) 0.25(mm)
IC 480-278464/5		12/07/2015 13:52	1	S5794.D	ZB-624 (60) 0.25(mm)
IC 480-278464/7		12/07/2015 14:38	1	S5796.D	ZB-624 (60) 0.25(mm)
IC 480-278464/8		12/07/2015 15:01	1	S5797.D	ZB-624 (60) 0.25(mm)
ICIS 480-278464/9		12/07/2015 15:24	1	S5798.D	ZB-624 (60) 0.25(mm)
IC 480-278464/10		12/07/2015 15:47	1	S5799.D	ZB-624 (60) 0.25(mm)
IC 480-278464/11		12/07/2015 16:09	1	S5800.D	ZB-624 (60) 0.25(mm)
IC 480-278464/13		12/07/2015 16:55	1	S5802.D	ZB-624 (60) 0.25(mm)
IC 480-278464/15		12/07/2015 17:41	1		ZB-624 (60) 0.25(mm)
IC 480-278464/16		12/07/2015 18:04	1		ZB-624 (60) 0.25(mm)
IC 480-278464/17		12/07/2015 18:26	1		ZB-624 (60) 0.25(mm)
IC 480-278464/18		12/07/2015 18:49	1		ZB-624 (60) 0.25(mm)
IC 480-278464/19		12/07/2015 19:11	1		ZB-624 (60) 0.25(mm)
IC 480-278464/20		12/07/2015 19:33	1		ZB-624 (60) 0.25(mm)
IC 480-278464/21		12/07/2015 19:56	1		ZB-624 (60) 0.25(mm)
MDLV 480-278464/23		12/07/2015 20:41	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/24		12/07/2015 21:03	1		ZB-624 (60) 0.25(mm)
ICV 480-278464/25		12/07/2015 21:25	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/21/2015 21:02

Analysis Batch Number: 280912 End Date: 12/22/2015 09:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-280912/2		12/21/2015 21:02	1	S6420.D	ZB-624 (60) 0.25(mm)
CCVIS 480-280912/3		12/21/2015 21:31	1	S6421.D	ZB-624 (60) 0.25(mm)
CCV 480-280912/4		12/21/2015 22:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 23:01	1		ZB-624 (60) 0.25(mm)
RL 480-280912/6		12/21/2015 23:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/21/2015 23:47	1		ZB-624 (60) 0.25(mm)
MB 480-280904/3-A		12/22/2015 01:25	1	S6427.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 01:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 02:33	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 02:56	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 03:19	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 03:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 04:50	2		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 05:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 06:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 06:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:08	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:31	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 07:54	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 08:16	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 08:39	500		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 09:02	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 09:25	10		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/22/2015 10:30

Analysis Batch Number: 281000 End Date: 12/22/2015 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-281000/2		12/22/2015 10:30	1	S6452.D	ZB-624 (60) 0.25(mm)
CCVIS 480-281000/3		12/22/2015 10:55	1	S6453.D	ZB-624 (60) 0.25(mm)
CCV 480-281000/4		12/22/2015 11:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 11:41	1		ZB-624 (60) 0.25(mm)
RL 480-281000/6		12/22/2015 12:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 12:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 13:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 14:05	10		ZB-624 (60) 0.25(mm)
480-92744-11	B37-POLEBARN-S2	12/22/2015 14:27	1	S6462.D	ZB-624 (60) 0.25(mm)
480-92744-14	B38-POLEBARN-S2	12/22/2015 14:50	1	S6463.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 15:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 16:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 16:45	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 17:08	100		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 17:53	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 18:16	2		ZB-624 (60) 0.25(mm)
480-92744-11 DL	B37-POLEBARN-S2 DL	12/22/2015 18:39	4	S6473.D	ZB-624 (60) 0.25(mm)
480-92744-14 DL	B38-POLEBARN-S2 DL	12/22/2015 19:02	4	S6474.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:25	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 19:48	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 20:10	5		ZB-624 (60) 0.25(mm)
ZZZZZ		12/22/2015 20:33	4		ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280259 Batch Start Date: 12/17/15 09:26 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00126
LCS 480-280259/1		5035, 8260C		24.56 g	29.64 g	5.08 g	5 mL	2.5 uL	2.5 uL
MB 480-280259/2		5035, 8260C		25.28 g	30.40 g	5.12 g	5 mL		
480-92744-1	B18-POLEBARN-S1	5035, 8260C	T	24.62 g	29.78 g	5.16 g	5 mL		
480-92744-3	B19-POLEBARN-S1	5035, 8260C	T	25.44 g	30.46 g	5.02 g	5 mL		
480-92744-4 MS	B19-POLEBARN-S2	5035, 8260C	T	24.88 g	29.98 g	5.1 g	5 mL	2.5 uL	2.5 uL
480-92744-4 MSD	B19-POLEBARN-S2	5035, 8260C	T	24.92 g	30.07 g	5.15 g	5 mL	2.5 uL	2.5 uL
480-92744-9	B21-POLEBARN-S2	5035, 8260C	T	24.82 g	29.96 g	5.14 g	5 mL		
480-92744-12	B37-POLEBARN-S3	5035, 8260C	T	24.87 g	30.03 g	5.16 g	5 mL		
480-92744-13	B38-POLEBARN-S1	5035, 8260C	T	24.98 g	29.99 g	5.01 g	5 mL		
480-92744-15	B38-POLEBARN-S3	5035, 8260C	T	25.07 g	30.09 g	5.02 g	5 mL		
480-92744-16	B-POLEBARN-DUP4	5035, 8260C	T	24.89 g	30.09 g	5.2 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment
LCS 480-280259/1		5035, 8260C		
MB 480-280259/2		5035, 8260C		
480-92744-1	B18-POLEBARN-S1	5035, 8260C	T	bulk
480-92744-3	B19-POLEBARN-S1	5035, 8260C	T	bulk
480-92744-4 MS	B19-POLEBARN-S2	5035, 8260C	T	bulkclient qc
480-92744-4 MSD	B19-POLEBARN-S2	5035, 8260C	T	bulkclient qc
480-92744-9	B21-POLEBARN-S2	5035, 8260C	T	bulk
480-92744-12	B37-POLEBARN-S3	5035, 8260C	T	bulk
480-92744-13	B38-POLEBARN-S1	5035, 8260C	T	bulk
480-92744-15	B38-POLEBARN-S3	5035, 8260C	T	bulk
480-92744-16	B-POLEBARN-DUP4	5035, 8260C	T	bulk

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot #XH27A

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280259 Batch Start Date: 12/17/15 09:26 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280425 Batch Start Date: 12/17/15 22:53 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00126
LCS 480-280425/1		5035, 8260C		24.97 g	30.07 g	5.1 g	5 mL	2.5 uL	2.5 uL
MB 480-280425/2		5035, 8260C		26.32 g	31.43 g	5.11 g	5 mL		
480-92744-2	B18-POLEBARN-S2	5035, 8260C	T	26.31 g	31.61 g	5.3 g	5 mL		
480-92744-4	B19-POLEBARN-S2	5035, 8260C	T	26.13 g	31.62 g	5.49 g	5 mL		
480-92744-5	B20-POLEBARN-S1	5035, 8260C	T	26.02 g	31.24 g	5.22 g	5 mL		
480-92744-6	B20-POLEBARN-S2	5035, 8260C	T	26.31 g	26.83 g	0.52 g	5 mL		
480-92744-7	B20-POLEBARN-S3	5035, 8260C	T	25.90 g	30.92 g	5.02 g	5 mL		
480-92744-8	B21-POLEBARN-S1	5035, 8260C	T	26.34 g	31.35 g	5.01 g	5 mL		
480-92744-10	B37-POLEBARN-S1	5035, 8260C	T	26.14 g	31.22 g	5.08 g	5 mL		
480-92744-13	B38-POLEBARN-S1	5035, 8260C	T	26.63 g	27.67 g	1.04 g	5 mL		
480-92744-17	B36-POLEBARN-S1	5035, 8260C	T	25.97 g	31.00 g	5.03 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-280425/1		5035, 8260C							
MB 480-280425/2		5035, 8260C							
480-92744-2	B18-POLEBARN-S2	5035, 8260C	T	bulk, confirm IS/SURR					
480-92744-4	B19-POLEBARN-S2	5035, 8260C	T	bulk, confirm IS/SURR					
480-92744-5	B20-POLEBARN-S1	5035, 8260C	T	bulk, confirm IS/SURR					
480-92744-6	B20-POLEBARN-S2	5035, 8260C	T	bulk, confirm IS/SURR, .5 gr for targets					
480-92744-7	B20-POLEBARN-S3	5035, 8260C	T	bulk, confirm IS/SURR					
480-92744-8	B21-POLEBARN-S1	5035, 8260C	T	bulk, confirm IS/SURR					
480-92744-10	B37-POLEBARN-S1	5035, 8260C	T	bulk, confirm IS/SURR					
480-92744-13	B38-POLEBARN-S1	5035, 8260C	T	bulk, DL at 1gram					
480-92744-17	B36-POLEBARN-S1	5035, 8260C	T	bulk					

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280425 Batch Start Date: 12/17/15 22:53 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Batch Notes	
Balance ID	B202613314
Batch Comment	sand lot# XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280904 Batch Start Date: 12/21/15 17:07 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	3_MCP_Add_WRK 00088	8260 CORP mix 00061
LCS 480-280904/1		5035A, 8260C		18.98 g	24.00 g	5.02 g	10 mL	125 uL	125 uL
MB 480-280904/3		5035A, 8260C		19.68 g	24.78 g	5.1 g	10 mL		
480-92744-11	B37-POLEBARN-S2	5035A, 8260C	T	19.40 g	24.48 g	5.08 g	10 mL		
480-92744-14	B38-POLEBARN-S2	5035A, 8260C	T	18.44 g	23.45 g	5.01 g	10 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ADD CORP mix 00042	GAS CORP mix 00127	AnalysisComment			
LCS 480-280904/1		5035A, 8260C		125 uL	125 uL				
MB 480-280904/3		5035A, 8260C							
480-92744-11	B37-POLEBARN-S2	5035A, 8260C	T			Bulk MLDL			
480-92744-14	B38-POLEBARN-S2	5035A, 8260C	T			Bulk MLDL			

Batch Notes	
Balance ID	B202613314
Methanol Lot Number	118655
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280931 Batch Start Date: 12/21/15 19:36 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00061	GAS CORP mix 00127
LCS 480-280931/1		5035, 8260C		24.88 g	30.04 g	5.16 g	5 mL	2.5 uL	2.5 uL
MB 480-280931/2		5035, 8260C		25.06 g	30.10 g	5.04 g	5 mL		
480-92744-18	B36-POLEBARN-S2	5035, 8260C	T	24.77 g	25.28 g	0.51 g	5 mL		
480-92744-19	B36-POLEBARN-S3	5035, 8260C	T	24.98 g	30.12 g	5.14 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-280931/1		5035, 8260C							
MB 480-280931/2		5035, 8260C							
480-92744-18	B36-POLEBARN-S2	5035, 8260C	T	bulk, IS/SURR out in original shot, RA .5gr for targets					
480-92744-19	B36-POLEBARN-S3	5035, 8260C	T	bulk, original had carry-over					

Batch Notes	
Batch Comment	sand lot# XH27A

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92744-1

SDG No.:

Project: Lockheed Martin Corporation - Soils

Client Sample ID	Lab Sample ID
B18-POLEBARN-S1	480-92744-1
B18-POLEBARN-S2	480-92744-2
B19-POLEBARN-S1	480-92744-3
B19-POLEBARN-S2	480-92744-4
B20-POLEBARN-S1	480-92744-5
B20-POLEBARN-S2	480-92744-6
B20-POLEBARN-S3	480-92744-7
B21-POLEBARN-S1	480-92744-8
B21-POLEBARN-S2	480-92744-9
B37-POLEBARN-S1	480-92744-10
B37-POLEBARN-S2	480-92744-11
B37-POLEBARN-S3	480-92744-12
B38-POLEBARN-S1	480-92744-13
B38-POLEBARN-S2	480-92744-14
B38-POLEBARN-S3	480-92744-15
B-POLEBARN-DUP4	480-92744-16
B36-POLEBARN-S1	480-92744-17
B36-POLEBARN-S2	480-92744-18
B36-POLEBARN-S3	480-92744-19

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92744-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-92744-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/17/2015 14:01 End Date: 12/17/2015 14:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
480-92744-1	1	T	14:01	X	X																		
480-92744-2	1	T	14:01	X	X																		
480-92744-3	1	T	14:01	X	X																		
480-92744-4	1	T	14:01	X	X																		
480-92744-4 MS	1	T	14:01	X	X																		
480-92744-4 MSD	1	T	14:01	X	X																		
480-92744-5	1	T	14:01	X	X																		
480-92744-6	1	T	14:01	X	X																		
480-92744-7	1	T	14:01	X	X																		
480-92744-8	1	T	14:01	X	X																		
480-92744-9	1	T	14:01	X	X																		
480-92744-10	1	T	14:01	X	X																		
480-92744-11	1	T	14:01	X	X																		
480-92744-12	1	T	14:01	X	X																		
480-92744-13	1	T	14:01	X	X																		
480-92744-14	1	T	14:01	X	X																		
480-92744-15	1	T	14:03	X	X																		
480-92744-16	1	T	14:03	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/18/2015 03:10 End Date: 12/18/2015 03:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
480-92744-17	1	T	03:10	X	X																		
480-92744-18	1	T	03:10	X	X																		
480-92744-19	1	T	03:10	X	X																		

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280346 Batch Start Date: 12/17/15 14:01 Batch Analyst: Cwiklinski, Charles D

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-92744-1	B18-POLEBARN-S1	Moisture	T	4.39 g	12.45 g	11.85 g			
480-92744-2	B18-POLEBARN-S2	Moisture	T	4.37 g	14.57 g	13.18 g			
480-92744-3	B19-POLEBARN-S1	Moisture	T	4.29 g	14.00 g	13.06 g			
480-92744-4	B19-POLEBARN-S2	Moisture	T	4.29 g	13.84 g	13.16 g			
480-92744-4 MS	B19-POLEBARN-S2	Moisture	T	4.29 g	13.84 g	13.16 g			
480-92744-4 MSD	B19-POLEBARN-S2	Moisture	T	4.29 g	13.84 g	13.16 g			
480-92744-5	B20-POLEBARN-S1	Moisture	T	4.29 g	15.43 g	14.54 g			
480-92744-6	B20-POLEBARN-S2	Moisture	T	4.29 g	13.56 g	13.23 g			
480-92744-7	B20-POLEBARN-S3	Moisture	T	4.28 g	14.21 g	12.63 g			
480-92744-8	B21-POLEBARN-S1	Moisture	T	4.33 g	14.06 g	13.27 g			
480-92744-9	B21-POLEBARN-S2	Moisture	T	4.34 g	14.10 g	13.21 g			
480-92744-10	B37-POLEBARN-S1	Moisture	T	4.31 g	13.78 g	12.72 g			
480-92744-11	B37-POLEBARN-S2	Moisture	T	4.28 g	11.51 g	10.99 g			
480-92744-12	B37-POLEBARN-S3	Moisture	T	4.36 g	12.85 g	10.92 g			
480-92744-13	B38-POLEBARN-S1	Moisture	T	4.37 g	15.51 g	14.54 g			
480-92744-14	B38-POLEBARN-S2	Moisture	T	4.29 g	14.66 g	14.10 g			
480-92744-15	B38-POLEBARN-S3	Moisture	T	4.36 g	15.75 g	14.92 g			
480-92744-16	B-POLEBARN-DUP4	Moisture	T	4.28 g	13.01 g	10.99 g			

Batch Notes	
Balance ID	B202612214 No Unit
Batch Comment	pp-f-6a-15-s1
Date samples were placed in the oven	12/17/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	14:20
Date samples were removed from oven	12/18/15
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	02:35
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 Celsius

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280346 Batch Start Date: 12/17/15 14:01 Batch Analyst: Cwiklinski, Charles D

Batch Method: Moisture Batch End Date:

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-92744-1

SDG No.:

Batch Number: 280431 Batch Start Date: 12/18/15 03:10 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-92744-17	B36-POLEBARN-S1	Moisture	T	4.38 g	14.84 g	13.78 g			
480-92744-18	B36-POLEBARN-S2	Moisture	T	4.30 g	14.84 g	13.52 g			
480-92744-19	B36-POLEBARN-S3	Moisture	T	4.36 g	15.83 g	12.82 g			

Batch Notes	
Balance ID	B202613314 No Unit
Batch Comment	PP-F-6A-15-S1
Date samples were placed in the oven	12/18/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	03:15
Date samples were removed from oven	12/18/15
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	15;15
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Stantec	Rob Mahoney	12/15/2015	292103
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
61 Commercial St., Suite 100	(585) 413-5301		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Rochester / NY / 14614	L. Best	Ryan VanDette	
Project Name and Location (State)	**Carrier/Waybill Number**		
LMC Utica			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TCL VOCs (8260)	Special Instructions/ Conditions of Receipt
B18 - POLEBARN - S1	12/14/15	12:00				X	1						X	
B18 - POLEBARN - S2	12/14/15	12:15				X	1						X	
B19 - POLEBARN - S1	12/14/15	11:20				X	1						X	
B19 - POLEBARN - S2 (MS/MSD)	12/14/15	11:30				X	3						X	MS/MSD
B20 - POLEBARN - S1	12/14/15	13:35				X	1						X	
B20 - POLEBARN - S2	12/14/15	13:50				X	1						X	
B20 - POLEBARN - S3	12/14/15	14:00				X	1						X	
B21 - POLEBARN - S1	12/14/15	12:30				X	1						X	
B21 - POLEBARN - S2	12/14/15	12:45				X	1						X	
B37 - POLEBARN - S1	12/14/15	16:05				X	1						X	
B37 - POLEBARN - S2	12/14/15	15:40				X	1						X	
B37 - POLEBARN - S3	12/14/15	15:55				X	1						X	

480-92744 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10d

QC Requirements (Specify)
NYSDEC ASP Category B deliverables + NYSDEC EQuIS EDD

	Relinquished By	Date	Time	Received By	Date	Time
1.	Lana Best	12/15/15	15:05	[illegible] 12/15/15, Syr	12-15-15	Syr
2.	[illegible] 12/15/15	12-15-15	19:00	[illegible] TAO	12-16-15	0130
3.						

Comments

22 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

483225 - Syracuse, NY
Page 67 of 67
01/04/2016

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Stantec	Bob Mahoney	12/15/2015	277628
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
61 Commercial St., Suite 100	(585) 413-5301		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Rochester / NY / 14614	Laura Best	Ryan VanDette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin Utica			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TCL VOCs (8260)	Special Instructions/ Conditions of Receipt
B38-POLEBARN-S1	12/14/15	14:15				X	4						X	
B38-POLEBARN-S2	12/14/15	14:40				X	4						X	
B38-POLEBARN-S3	12/14/15	15:10				X	4						X	
B-POLEBARN-DUP4	12/14/15	16:00				X	4						X	
B36-POLEBARN-S1	12/15/15					X	1						X	
B36-POLEBARN-S2	12/15/15					X	1						X	
B36-POLEBARN-S3	12/15/15					X	1						X	
							RLS							
							12-15-15							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☑ Other 10d

QC Requirements (Specify)
NYSDEC ASP Category B deliverables and NYSDEC EQuIS EDD

	Relinquished By	Date	Time	Received By	Date	Time
1.	Laura Best	12/15/15	15:05	RETurnight, Syr	12-15-15	Syr
2.	RETurnight	12-15-15	19:00	TAS	12-16-15	0130
3.						

Comments

2.2 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

463325 - Syracuse SC

01/04/2016

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-92744-1

Login Number: 92744
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No: No sample date and/or time on COC, logged in per container labels.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-101258-1

Job Description: Lockheed Martin Corporation - PCBs

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Melissa L Deyo
Project Manager I
6/17/2016 11:59 AM

Designee for
Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
06/17/2016

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 5

Definitions 5

Case Narrative 6

Detection Summary 8

Client Sample Results 15

Default Detection Limits 53

Surrogate Summary 56

QC Sample Results 58

QC Association 68

Chronicle 73

Certification Summary 82

Method Summary 83

Sample Summary 84

Manual Integration Summary 85

Reagent Traceability 126

COAs 150

Organic Sample Data 229

GC/MS VOA 229

Method 8260C 229

Method 8260C QC Summary 230

Method 8260C Sample Data 253

Standards Data 547

Method 8260C ICAL Data 547

Method 8260C CCAL Data 664

Raw QC Data 693

Table of Contents

Method 8260C Tune Data 693

Method 8260C Blank Data 717

Method 8260C LCS/LCSD Data 741

Method 8260C Run Logs 762

Method 8260C Prep Data 768

GC Semi VOA 773

Method 8082A 773

Method 8082A QC Summary 774

Method 8082A Sample Data 821

Standards Data 976

Method 8082A ICAL Data 976

Method 8082A CCAL Data 1262

Raw QC Data 1394

Method 8082A Blank Data 1394

Method 8082A LCS/LCSD Data 1407

Method 8082A MS/MSD Data 1431

Method 8082A Run Logs 1466

Method 8082A Prep Data 1474

Inorganic Sample Data 1479

General Chemistry Data 1479

Gen Chem Cover Page 1480

Gen Chem MDL 1481

Gen Chem Analysis Run Log 1483

Gen Chem Prep Data 1485

Shipping and Receiving Documents 1487

Client Chain of Custody 1488

Table of Contents

Sample Receipt Checklist 1492

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
*	LCS or LCSD is outside acceptance limits.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job Narrative
480-101258-1

Receipt
The samples were received on 6/8/2016 1:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method(s) 8260C: Internal standard (ISTD) and surrogate response for the following samples was outside of acceptance limits: B111-AREA2-S1 (480-101258-23), B111-AREA2-S2 (480-101258-24), B112-AREA2-S1 (480-101258-25), B112-AREA2-S2 (480-101258-26), B113-AREA2-S1 (480-101258-27), B113-AREA2-S2 (480-101258-28), B114-AREA2-S1 (480-101258-29), B101-AREA2-S1 (480-101258-31), B101-AREA2-S2 (480-101258-32) and B102-AREA2-S1 (480-101258-33). The samples were not re-analyzed due to obvious sample matrix.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B111-AREA2-S1 (480-101258-23), B111-AREA2-S2 (480-101258-24), B112-AREA2-S1 (480-101258-25), B112-AREA2-S2 (480-101258-26), B113-AREA2-S1 (480-101258-27), B113-AREA2-S2 (480-101258-28), B114-AREA2-S1 (480-101258-29), B114-AREA2-S2 (480-101258-30), B101-AREA2-S1 (480-101258-31) and B101-AREA2-S2 (480-101258-32).

Method(s) 8260C: Internal standard responses were outside of acceptance limits for the following samples: B102-AREA2-S2 (480-101258-34), B103-AREA2-S1 (480-101258-35), B103-AREA2-S2 (480-101258-36), B109-AREA2-S1 (480-101258-37), B110-AREA2-S1 (480-101258-39), B115-AREA2-S2 (480-101258-42) and B-AREA2-DUP5 (480-101258-43). Evidence of matrix interferences is not obvious.

Method(s) 8260C: Surrogate recovery for the following samples were outside control limits: B102-AREA2-S2 (480-101258-34), B103-AREA2-S1 (480-101258-35), B103-AREA2-S2 (480-101258-36), B115-AREA2-S2 (480-101258-42) and B-AREA2-DUP5 (480-101258-43). Evidence of matrix interferences is not obvious.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B102-AREA2-S2 (480-101258-34), B103-AREA2-S1 (480-101258-35), B103-AREA2-S2 (480-101258-36), B109-AREA2-S1 (480-101258-37), B109-AREA2-S2 (480-101258-38), B110-AREA2-S1 (480-101258-39), B110-AREA2-S2 (480-101258-40), B115-AREA2-S1 (480-101258-41), B115-AREA2-S2 (480-101258-42) and B-AREA2-DUP5 (480-101258-43).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-306675 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B110-AREA2-S1 (480-101258-39) and B115-AREA2-S1 (480-101258-41).

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-306673 and analytical batch 480-306675 recovered outside control limits for the following analytes: 1,2-Dichloropropane and Cyclohexane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: B110-AREA2-S1 (480-101258-39) and B115-AREA2-S1 (480-101258-41).

Method(s) 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: B110-AREA2-S1 (480-101258-39) and B115-AREA2-S1 (480-101258-41). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: B102-AREA2-S1 (480-101258-33), B103-AREA2-S1 (480-101258-35) and B103-AREA2-S2 (480-101258-36). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-306755 recovered above the upper control limit for: 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1,1-Trichloroethane, Carbon tetrachloride, Cyclohexane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: B102-AREA2-S1 (480-101258-33), B103-AREA2-S1 (480-101258-35) and B103-AREA2-S2 (480-101258-36).

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-306673 and analytical batch 480-306755 recovered outside control limits for the following analytes: Cyclohexane and 1,2-Dichloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: B102-AREA2-S1 (480-101258-33), B103-AREA2-S1 (480-101258-35) and B103-AREA2-S2 (480-101258-36) .

Method(s) 8260C: The analyte cis-1,2-Dichloroethene was detected in the sample B102-AREA2-S1 (480-101258-33) at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other analytes, cis-1,2-Dichloroethene was diluted out in the dilution of this sample. Therefore, the value being reported is from the original analysis and is qualified with an "E" flag.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8082A: All primary data from analytical batches 305726 and 305722 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SS20-10 (480-101258-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3550C: The following sample: SS21-14 (480-101258-6) was decanted prior to preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Client Sample ID: SS21-9 — Lab Sample ID: 480-101258-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.0		0.32	0.15	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS21-10 — Lab Sample ID: 480-101258-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.0		0.29	0.14	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS21-11 — Lab Sample ID: 480-101258-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.98		0.32	0.15	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS21-12 — Lab Sample ID: 480-101258-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.58		0.27	0.12	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS21-13 — Lab Sample ID: 480-101258-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.45		0.30	0.14	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS21-14 — Lab Sample ID: 480-101258-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.8		0.34	0.16	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS21-15 — Lab Sample ID: 480-101258-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.2		0.31	0.14	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS21-16 — Lab Sample ID: 480-101258-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.1		0.28	0.13	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS20-9 — Lab Sample ID: 480-101258-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3.6		0.21	0.10	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS20-10 — Lab Sample ID: 480-101258-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3.3		0.47	0.22	mg/Kg	2	☼	8082A	Total/NA

Client Sample ID: SS20-11 — Lab Sample ID: 480-101258-11

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS20-11 (Continued) — Lab Sample ID: 480-101258-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.9		0.26	0.12	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS20-12 — Lab Sample ID: 480-101258-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.0		0.27	0.12	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS20-13 — Lab Sample ID: 480-101258-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.8		0.24	0.11	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-9 — Lab Sample ID: 480-101258-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.2		0.29	0.13	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-10 — Lab Sample ID: 480-101258-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.23	J	0.29	0.14	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-11 — Lab Sample ID: 480-101258-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3.6		0.23	0.11	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-12 — Lab Sample ID: 480-101258-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.38		0.27	0.13	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-13 — Lab Sample ID: 480-101258-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.71		0.27	0.13	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-14 — Lab Sample ID: 480-101258-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.9		0.25	0.12	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-15 — Lab Sample ID: 480-101258-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.55		0.21	0.097	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-DUP2 — Lab Sample ID: 480-101258-21

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS7-DUP2 (Continued) — Lab Sample ID: 480-101258-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3.7		0.27	0.13	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS-RINSEBLANK2 — Lab Sample ID: 480-101258-22

No Detections.

Client Sample ID: B111-AREA2-S1 — Lab Sample ID: 480-101258-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.45	J	5.4	0.33	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	26		5.4	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B111-AREA2-S2 — Lab Sample ID: 480-101258-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	22	J	28	4.8	ug/Kg	1	☼	8260C	Total/NA
Chloroform	1.8	J	5.7	0.35	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	90		5.7	2.6	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B112-AREA2-S1 — Lab Sample ID: 480-101258-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	17		5.3	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B112-AREA2-S2 — Lab Sample ID: 480-101258-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	32		5.1	2.4	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B113-AREA2-S1 — Lab Sample ID: 480-101258-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J	26	4.4	ug/Kg	1	☼	8260C	Total/NA
Chloroform	1.0	J	5.3	0.33	ug/Kg	1	☼	8260C	Total/NA
Methyl tert-butyl ether	1.1	J	5.3	0.52	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	51		5.3	2.4	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.68	J *	5.3	0.40	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B113-AREA2-S2 — Lab Sample ID: 480-101258-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	50	*	5.4	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B114-AREA2-S1 — Lab Sample ID: 480-101258-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5	J	28	4.8	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	12		5.7	2.6	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Client Sample ID: B114-AREA2-S2 — Lab Sample ID: 480-101258-30

No Detections.

Client Sample ID: B101-AREA2-S1 — Lab Sample ID: 480-101258-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25	J	27	4.5	ug/Kg	1	☼	8260C	Total/NA
Chloroform	1.5	J	5.4	0.33	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	78		5.4	2.5	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.85	J *	5.4	0.72	ug/Kg	1	☼	8260C	Total/NA
Toluene	1.6	J *	5.4	0.41	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	1.3	J	11	0.91	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B101-AREA2-S2 — Lab Sample ID: 480-101258-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	26	4.4	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	57		5.3	2.4	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B102-AREA2-S1 — Lab Sample ID: 480-101258-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	73		5.4	0.65	ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane	0.43	J	5.4	0.27	ug/Kg	1	☼	8260C	Total/NA
Acetone	16	J	27	4.5	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	5.5		5.4	2.7	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	250	E	5.4	0.69	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	130		5.4	0.37	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	9.8		5.4	2.5	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	3200	E	5.4	0.72	ug/Kg	1	☼	8260C	Total/NA
Toluene	480	E	5.4	0.41	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	2.1	J	5.4	0.55	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1300	E	5.4	1.2	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	390		11	0.90	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene - DL	1300	J	2200	640	ug/Kg	20	☼	8260C	Total/NA
Tetrachloroethene - DL	93000		2200	300	ug/Kg	20	☼	8260C	Total/NA
Toluene - DL	2900		2200	590	ug/Kg	20	☼	8260C	Total/NA
Trichloroethene - DL	11000		2200	610	ug/Kg	20	☼	8260C	Total/NA
Xylenes, Total - DL	1700	J	4400	1200	ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: B102-AREA2-S2 — Lab Sample ID: 480-101258-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	12		5.2	2.4	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1.4	J	5.2	0.70	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1.1	J	5.2	1.1	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B103-AREA2-S1 — Lab Sample ID: 480-101258-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.3	J	5.4	0.39	ug/Kg	1	☼	8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	J	5.4	1.2	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethane	7.4		5.4	0.66	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B103-AREA2-S1 (Continued) — Lab Sample ID: 480-101258-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.67	J	5.4	0.27	ug/Kg	1	☼	8260C	Total/NA
Acetone	250		27	4.6	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	3.4	J	5.4	2.7	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	34		5.4	0.69	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	330	E	5.4	0.37	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	1.4	J *	5.4	0.82	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	7.9		5.4	2.5	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1800	E	5.4	0.73	ug/Kg	1	☼	8260C	Total/NA
Toluene	310	E	5.4	0.41	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	960	E	5.4	1.2	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	1200		11	0.91	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene - DL	2900		450	130	ug/Kg	4	☼	8260C	Total/NA
Tetrachloroethene - DL	21000		450	60	ug/Kg	4	☼	8260C	Total/NA
Toluene - DL	1300		450	120	ug/Kg	4	☼	8260C	Total/NA
Trichloroethene - DL	6300		450	120	ug/Kg	4	☼	8260C	Total/NA
Xylenes, Total - DL	16000		900	250	ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: B103-AREA2-S2 — Lab Sample ID: 480-101258-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.64	J	5.3	0.39	ug/Kg	1	☼	8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8	J	5.3	1.2	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethane	63		5.3	0.65	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethene	2.1	J	5.3	0.65	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	350	E	5.3	0.68	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	1.1	J *	5.3	0.37	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	19		5.3	2.4	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	16	*	5.3	0.71	ug/Kg	1	☼	8260C	Total/NA
Toluene	1.9	J *	5.3	0.40	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	57		5.3	1.2	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	6.1	J	11	0.89	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethane - DL	560		110	33	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	2100		110	29	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	180		110	14	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	720		110	29	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B109-AREA2-S1 — Lab Sample ID: 480-101258-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	8.9		5.5	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B109-AREA2-S2 — Lab Sample ID: 480-101258-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	17		5.6	2.6	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B110-AREA2-S1 — Lab Sample ID: 480-101258-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.0	J	5.4	0.66	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B110-AREA2-S1 (Continued) — Lab Sample ID: 480-101258-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	J	27	4.5	ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	3.4	J	5.4	2.7	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	670	E	5.4	0.69	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	9.6		5.4	0.37	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	11		5.4	2.5	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	36		5.4	0.72	ug/Kg	1	☼	8260C	Total/NA
Toluene	380	E	5.4	0.41	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	5.7		5.4	0.56	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	43		5.4	1.2	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	34		11	0.91	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethane - DL	35	J	110	34	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	3000		110	30	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene - DL	150		110	32	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	320		110	15	ug/Kg	1	☼	8260C	Total/NA
Toluene - DL	5200		110	29	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene - DL	38	J	110	26	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	240		110	30	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total - DL	510		220	60	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B110-AREA2-S2 — Lab Sample ID: 480-101258-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.1	J	5.2	0.67	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	16		5.2	2.4	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.55	J	5.2	0.40	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B115-AREA2-S1 — Lab Sample ID: 480-101258-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	200		5.5	0.67	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethene	31		5.5	0.67	ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane	1.1	J	5.5	0.28	ug/Kg	1	☼	8260C	Total/NA
Acetone	19	J	27	4.6	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	510	E	5.5	0.70	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	19		5.5	2.5	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.82	J	5.5	0.74	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.72	J	5.5	0.42	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	4.3	J	5.5	1.2	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	2.0	J	5.5	0.67	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethane - DL	2000		110	34	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethene - DL	270		110	38	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	3300		110	30	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	140		110	30	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B115-AREA2-S2 — Lab Sample ID: 480-101258-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.6	J	5.4	0.66	ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethene	1.9	J	5.4	0.66	ug/Kg	1	☼	8260C	Total/NA
Acetone	13	J	27	4.5	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B115-AREA2-S2 (Continued) — Lab Sample ID: 480-101258-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.1	J	5.4	0.33	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	4.3	J	5.4	0.69	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	55		5.4	2.5	ug/Kg	1	☼	8260C	Total/NA
Toluene	1.3	J *	5.4	0.41	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B-AREA2-DUP5 — Lab Sample ID: 480-101258-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.6	*	5.2	0.63	ug/Kg	1	☼	8260C	Total/NA
Acetone	23	J *	26	4.4	ug/Kg	1	☼	8260C	Total/NA
Chloroform	1.6	J *	5.2	0.32	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	4.5	J *	5.2	0.66	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	120	*	5.2	2.4	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	3.4	J *	5.2	1.1	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS21-9

Date Collected: 06/06/16 10:33
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-1

Matrix: Solid
Percent Solids: 73.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.062	mg/Kg	☼	06/08/16 10:08	06/08/16 22:11	1
PCB-1221	ND		0.32	0.062	mg/Kg	☼	06/08/16 10:08	06/08/16 22:11	1
PCB-1232	ND		0.32	0.062	mg/Kg	☼	06/08/16 10:08	06/08/16 22:11	1
PCB-1242	ND		0.32	0.062	mg/Kg	☼	06/08/16 10:08	06/08/16 22:11	1
PCB-1248	ND		0.32	0.062	mg/Kg	☼	06/08/16 10:08	06/08/16 22:11	1
PCB-1254	**1.0**		0.32	0.15	mg/Kg	☼	06/08/16 10:08	06/08/16 22:11	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	06/08/16 10:08	06/08/16 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*06/08/16 10:08*	*06/08/16 22:11*	*1*
DCB Decachlorobiphenyl	*86*		*65 - 174*	*06/08/16 10:08*	*06/08/16 22:11*	*1*

Client Sample ID: SS21-10

Date Collected: 06/06/16 10:36
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-2

Matrix: Solid
Percent Solids: 76.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	☼	06/08/16 10:08	06/08/16 22:29	1
PCB-1221	ND		0.29	0.057	mg/Kg	☼	06/08/16 10:08	06/08/16 22:29	1
PCB-1232	ND		0.29	0.057	mg/Kg	☼	06/08/16 10:08	06/08/16 22:29	1
PCB-1242	ND		0.29	0.057	mg/Kg	☼	06/08/16 10:08	06/08/16 22:29	1
PCB-1248	ND		0.29	0.057	mg/Kg	☼	06/08/16 10:08	06/08/16 22:29	1
PCB-1254	**1.0**		0.29	0.14	mg/Kg	☼	06/08/16 10:08	06/08/16 22:29	1
PCB-1260	ND		0.29	0.14	mg/Kg	☼	06/08/16 10:08	06/08/16 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*60 - 154*	*06/08/16 10:08*	*06/08/16 22:29*	*1*
DCB Decachlorobiphenyl	*82*		*65 - 174*	*06/08/16 10:08*	*06/08/16 22:29*	*1*

Client Sample ID: SS21-11

Date Collected: 06/06/16 10:38
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-3

Matrix: Solid
Percent Solids: 68.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.063	mg/Kg	☼	06/08/16 10:08	06/08/16 22:48	1
PCB-1221	ND		0.32	0.063	mg/Kg	☼	06/08/16 10:08	06/08/16 22:48	1
PCB-1232	ND		0.32	0.063	mg/Kg	☼	06/08/16 10:08	06/08/16 22:48	1
PCB-1242	ND		0.32	0.063	mg/Kg	☼	06/08/16 10:08	06/08/16 22:48	1
PCB-1248	ND		0.32	0.063	mg/Kg	☼	06/08/16 10:08	06/08/16 22:48	1
PCB-1254	**0.98**		0.32	0.15	mg/Kg	☼	06/08/16 10:08	06/08/16 22:48	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	06/08/16 10:08	06/08/16 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*06/08/16 10:08*	*06/08/16 22:48*	*1*
DCB Decachlorobiphenyl	*93*		*65 - 174*	*06/08/16 10:08*	*06/08/16 22:48*	*1*

Client Sample ID: SS21-12
Lab Sample ID: 480-101258-4

Date Collected: 06/06/16 10:42
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 85.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:08	06/08/16 23:07	1
PCB-1221	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:08	06/08/16 23:07	1
PCB-1232	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:08	06/08/16 23:07	1
PCB-1242	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:08	06/08/16 23:07	1
PCB-1248	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:08	06/08/16 23:07	1
PCB-1254	**0.58**		0.27	0.12	mg/Kg	☼	06/08/16 10:08	06/08/16 23:07	1
PCB-1260	ND		0.27	0.12	mg/Kg	☼	06/08/16 10:08	06/08/16 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*06/08/16 10:08*	*06/08/16 23:07*	*1*
DCB Decachlorobiphenyl	*98*		*65 - 174*	*06/08/16 10:08*	*06/08/16 23:07*	*1*

Client Sample ID: SS21-13
Lab Sample ID: 480-101258-5

Date Collected: 06/06/16 10:58
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 70.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	06/08/16 10:08	06/08/16 23:25	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	06/08/16 10:08	06/08/16 23:25	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	06/08/16 10:08	06/08/16 23:25	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	06/08/16 10:08	06/08/16 23:25	1
PCB-1248	ND		0.30	0.059	mg/Kg	☼	06/08/16 10:08	06/08/16 23:25	1
PCB-1254	**0.45**		0.30	0.14	mg/Kg	☼	06/08/16 10:08	06/08/16 23:25	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	06/08/16 10:08	06/08/16 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*06/08/16 10:08*	*06/08/16 23:25*	*1*
DCB Decachlorobiphenyl	*96*		*65 - 174*	*06/08/16 10:08*	*06/08/16 23:25*	*1*

Client Sample ID: SS21-14
Lab Sample ID: 480-101258-6

Date Collected: 06/06/16 11:00
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 62.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.34	0.066	mg/Kg	☼	06/08/16 10:08	06/08/16 23:44	1
PCB-1221	ND		0.34	0.066	mg/Kg	☼	06/08/16 10:08	06/08/16 23:44	1
PCB-1232	ND		0.34	0.066	mg/Kg	☼	06/08/16 10:08	06/08/16 23:44	1
PCB-1242	ND		0.34	0.066	mg/Kg	☼	06/08/16 10:08	06/08/16 23:44	1
PCB-1248	ND		0.34	0.066	mg/Kg	☼	06/08/16 10:08	06/08/16 23:44	1
PCB-1254	**1.8**		0.34	0.16	mg/Kg	☼	06/08/16 10:08	06/08/16 23:44	1
PCB-1260	ND		0.34	0.16	mg/Kg	☼	06/08/16 10:08	06/08/16 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*06/08/16 10:08*	*06/08/16 23:44*	*1*
DCB Decachlorobiphenyl	*96*		*65 - 174*	*06/08/16 10:08*	*06/08/16 23:44*	*1*

Client Sample ID: SS21-15
Lab Sample ID: 480-101258-7

Date Collected: 06/06/16 11:03
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 75.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.060	mg/Kg	☼	06/08/16 10:08	06/09/16 00:02	1
PCB-1221	ND		0.31	0.060	mg/Kg	☼	06/08/16 10:08	06/09/16 00:02	1
PCB-1232	ND		0.31	0.060	mg/Kg	☼	06/08/16 10:08	06/09/16 00:02	1
PCB-1242	ND		0.31	0.060	mg/Kg	☼	06/08/16 10:08	06/09/16 00:02	1
PCB-1248	ND		0.31	0.060	mg/Kg	☼	06/08/16 10:08	06/09/16 00:02	1
PCB-1254	**1.2**		0.31	0.14	mg/Kg	☼	06/08/16 10:08	06/09/16 00:02	1
PCB-1260	ND		0.31	0.14	mg/Kg	☼	06/08/16 10:08	06/09/16 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*60 - 154*	*06/08/16 10:08*	*06/09/16 00:02*	*1*
DCB Decachlorobiphenyl	*97*		*65 - 174*	*06/08/16 10:08*	*06/09/16 00:02*	*1*

Client Sample ID: SS21-16
Lab Sample ID: 480-101258-8

Date Collected: 06/06/16 11:06
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 80.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.054	mg/Kg	☼	06/08/16 10:08	06/09/16 00:21	1
PCB-1221	ND		0.28	0.054	mg/Kg	☼	06/08/16 10:08	06/09/16 00:21	1
PCB-1232	ND		0.28	0.054	mg/Kg	☼	06/08/16 10:08	06/09/16 00:21	1
PCB-1242	ND		0.28	0.054	mg/Kg	☼	06/08/16 10:08	06/09/16 00:21	1
PCB-1248	ND		0.28	0.054	mg/Kg	☼	06/08/16 10:08	06/09/16 00:21	1
PCB-1254	**1.1**		0.28	0.13	mg/Kg	☼	06/08/16 10:08	06/09/16 00:21	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	06/08/16 10:08	06/09/16 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*06/08/16 10:08*	*06/09/16 00:21*	*1*
DCB Decachlorobiphenyl	*106*		*65 - 174*	*06/08/16 10:08*	*06/09/16 00:21*	*1*

Client Sample ID: SS20-9
Lab Sample ID: 480-101258-9

Date Collected: 06/06/16 13:33
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	☼	06/08/16 10:13	06/09/16 00:42	1
PCB-1221	ND		0.21	0.042	mg/Kg	☼	06/08/16 10:13	06/09/16 00:42	1
PCB-1232	ND		0.21	0.042	mg/Kg	☼	06/08/16 10:13	06/09/16 00:42	1
PCB-1242	ND		0.21	0.042	mg/Kg	☼	06/08/16 10:13	06/09/16 00:42	1
PCB-1248	ND		0.21	0.042	mg/Kg	☼	06/08/16 10:13	06/09/16 00:42	1
PCB-1254	**3.6**		0.21	0.10	mg/Kg	☼	06/08/16 10:13	06/09/16 00:42	1
PCB-1260	ND		0.21	0.10	mg/Kg	☼	06/08/16 10:13	06/09/16 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*60 - 154*	*06/08/16 10:13*	*06/09/16 00:42*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*06/08/16 10:13*	*06/09/16 00:42*	*1*

Client Sample ID: SS20-10
Lab Sample ID: 480-101258-10
Date Collected: 06/06/16 13:35
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 94.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.093	mg/Kg	☼	06/08/16 10:13	06/09/16 00:58	2
PCB-1221	ND		0.47	0.093	mg/Kg	☼	06/08/16 10:13	06/09/16 00:58	2
PCB-1232	ND		0.47	0.093	mg/Kg	☼	06/08/16 10:13	06/09/16 00:58	2
PCB-1242	ND		0.47	0.093	mg/Kg	☼	06/08/16 10:13	06/09/16 00:58	2
PCB-1248	ND		0.47	0.093	mg/Kg	☼	06/08/16 10:13	06/09/16 00:58	2
PCB-1254	**3.3**		0.47	0.22	mg/Kg	☼	06/08/16 10:13	06/09/16 00:58	2
PCB-1260	ND		0.47	0.22	mg/Kg	☼	06/08/16 10:13	06/09/16 00:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*128*		*60 - 154*	*06/08/16 10:13*	*06/09/16 00:58*	*2*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*06/08/16 10:13*	*06/09/16 00:58*	*2*

Client Sample ID: SS20-11
Lab Sample ID: 480-101258-11
Date Collected: 06/06/16 13:37
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☼	06/08/16 10:13	06/09/16 01:13	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	06/08/16 10:13	06/09/16 01:13	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	06/08/16 10:13	06/09/16 01:13	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	06/08/16 10:13	06/09/16 01:13	1
PCB-1248	ND		0.26	0.050	mg/Kg	☼	06/08/16 10:13	06/09/16 01:13	1
PCB-1254	**1.9**		0.26	0.12	mg/Kg	☼	06/08/16 10:13	06/09/16 01:13	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	06/08/16 10:13	06/09/16 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*137*		*60 - 154*	*06/08/16 10:13*	*06/09/16 01:13*	*1*
DCB Decachlorobiphenyl	*141*		*65 - 174*	*06/08/16 10:13*	*06/09/16 01:13*	*1*

Client Sample ID: SS20-12
Lab Sample ID: 480-101258-12
Date Collected: 06/06/16 13:39
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 83.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 01:28	1
PCB-1221	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 01:28	1
PCB-1232	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 01:28	1
PCB-1242	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 01:28	1
PCB-1248	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 01:28	1
PCB-1254	**1.0**		0.27	0.12	mg/Kg	☼	06/08/16 10:13	06/09/16 01:28	1
PCB-1260	ND		0.27	0.12	mg/Kg	☼	06/08/16 10:13	06/09/16 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*127*		*60 - 154*	*06/08/16 10:13*	*06/09/16 01:28*	*1*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*06/08/16 10:13*	*06/09/16 01:28*	*1*

Client Sample ID: SS20-13
Lab Sample ID: 480-101258-13

Date Collected: 06/06/16 13:40
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 90.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:07	1
PCB-1221	ND		0.24	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:07	1
PCB-1232	ND		0.24	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:07	1
PCB-1242	ND		0.24	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:07	1
PCB-1248	ND		0.24	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:07	1
PCB-1254	**1.8**		0.24	0.11	mg/Kg	☼	06/08/16 10:13	06/09/16 02:07	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	06/08/16 10:13	06/09/16 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*131*		*60 - 154*	*06/08/16 10:13*	*06/09/16 02:07*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*06/08/16 10:13*	*06/09/16 02:07*	*1*

Client Sample ID: SS7-9
Lab Sample ID: 480-101258-14

Date Collected: 06/07/16 08:10
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 75.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:23	1
PCB-1221	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:23	1
PCB-1232	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:23	1
PCB-1242	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:23	1
PCB-1248	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:23	1
PCB-1254	**1.2**		0.29	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 02:23	1
PCB-1260	ND		0.29	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*145*		*60 - 154*	*06/08/16 10:13*	*06/09/16 02:23*	*1*
DCB Decachlorobiphenyl	*140*		*65 - 174*	*06/08/16 10:13*	*06/09/16 02:23*	*1*

Client Sample ID: SS7-10
Lab Sample ID: 480-101258-15

Date Collected: 06/07/16 08:13
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 75.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:38	1
PCB-1221	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:38	1
PCB-1232	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:38	1
PCB-1242	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:38	1
PCB-1248	ND		0.29	0.056	mg/Kg	☼	06/08/16 10:13	06/09/16 02:38	1
PCB-1254	**0.23**	**J**	0.29	0.14	mg/Kg	☼	06/08/16 10:13	06/09/16 02:38	1
PCB-1260	ND		0.29	0.14	mg/Kg	☼	06/08/16 10:13	06/09/16 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*151*		*60 - 154*	*06/08/16 10:13*	*06/09/16 02:38*	*1*
DCB Decachlorobiphenyl	*145*		*65 - 174*	*06/08/16 10:13*	*06/09/16 02:38*	*1*

Client Sample ID: SS7-11
Lab Sample ID: 480-101258-16
Date Collected: 06/07/16 08:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 90.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:53	1
PCB-1221	ND		0.23	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:53	1
PCB-1232	ND		0.23	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:53	1
PCB-1242	ND		0.23	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:53	1
PCB-1248	ND		0.23	0.046	mg/Kg	☼	06/08/16 10:13	06/09/16 02:53	1
PCB-1254	**3.6**		0.23	0.11	mg/Kg	☼	06/08/16 10:13	06/09/16 02:53	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	06/08/16 10:13	06/09/16 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*154*		*60 - 154*	*06/08/16 10:13*	*06/09/16 02:53*	*1*
DCB Decachlorobiphenyl	*152*		*65 - 174*	*06/08/16 10:13*	*06/09/16 02:53*	*1*

Client Sample ID: SS7-12
Lab Sample ID: 480-101258-17
Date Collected: 06/07/16 08:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 86.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:09	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:09	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:09	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:09	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:09	1
PCB-1254	**0.38**		0.27	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 03:09	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*152*		*60 - 154*	*06/08/16 10:13*	*06/09/16 03:09*	*1*
DCB Decachlorobiphenyl	*152*		*65 - 174*	*06/08/16 10:13*	*06/09/16 03:09*	*1*

Client Sample ID: SS7-13
Lab Sample ID: 480-101258-18
Date Collected: 06/07/16 08:29
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 86.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 03:24	1
PCB-1221	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 03:24	1
PCB-1232	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 03:24	1
PCB-1242	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 03:24	1
PCB-1248	ND		0.27	0.052	mg/Kg	☼	06/08/16 10:13	06/09/16 03:24	1
PCB-1254	**0.71**		0.27	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 03:24	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*148*		*60 - 154*	*06/08/16 10:13*	*06/09/16 03:24*	*1*
DCB Decachlorobiphenyl	*153*		*65 - 174*	*06/08/16 10:13*	*06/09/16 03:24*	*1*

Client Sample ID: SS7-14
Lab Sample ID: 480-101258-19
Date Collected: 06/07/16 08:34
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	06/08/16 10:13	06/09/16 03:40	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	06/08/16 10:13	06/09/16 03:40	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	06/08/16 10:13	06/09/16 03:40	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	06/08/16 10:13	06/09/16 03:40	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	06/08/16 10:13	06/09/16 03:40	1
PCB-1254	**1.9**		0.25	0.12	mg/Kg	☼	06/08/16 10:13	06/09/16 03:40	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	06/08/16 10:13	06/09/16 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*147*		*60 - 154*	*06/08/16 10:13*	*06/09/16 03:40*	*1*
DCB Decachlorobiphenyl	*154*		*65 - 174*	*06/08/16 10:13*	*06/09/16 03:40*	*1*

Client Sample ID: SS7-15
Lab Sample ID: 480-101258-20
Date Collected: 06/07/16 08:40
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 85.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.041	mg/Kg	☼	06/08/16 10:13	06/09/16 00:27	1
PCB-1221	ND		0.21	0.041	mg/Kg	☼	06/08/16 10:13	06/09/16 00:27	1
PCB-1232	ND		0.21	0.041	mg/Kg	☼	06/08/16 10:13	06/09/16 00:27	1
PCB-1242	ND		0.21	0.041	mg/Kg	☼	06/08/16 10:13	06/09/16 00:27	1
PCB-1248	ND		0.21	0.041	mg/Kg	☼	06/08/16 10:13	06/09/16 00:27	1
PCB-1254	**0.55**		0.21	0.097	mg/Kg	☼	06/08/16 10:13	06/09/16 00:27	1
PCB-1260	ND		0.21	0.097	mg/Kg	☼	06/08/16 10:13	06/09/16 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*122*		*60 - 154*	*06/08/16 10:13*	*06/09/16 00:27*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*06/08/16 10:13*	*06/09/16 00:27*	*1*

Client Sample ID: SS7-DUP2
Lab Sample ID: 480-101258-21
Date Collected: 06/07/16 08:36
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:55	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:55	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:55	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:55	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	06/08/16 10:13	06/09/16 03:55	1
PCB-1254	**3.7**		0.27	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 03:55	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	06/08/16 10:13	06/09/16 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*150*		*60 - 154*	*06/08/16 10:13*	*06/09/16 03:55*	*1*
DCB Decachlorobiphenyl	*153*		*65 - 174*	*06/08/16 10:13*	*06/09/16 03:55*	*1*

Client Sample ID: SS-RINSEBLANK2
Lab Sample ID: 480-101258-22
Date Collected: 06/07/16 09:25
Matrix: Water
Date Received: 06/08/16 01:40

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 03:47	1
PCB-1221	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 03:47	1
PCB-1232	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 03:47	1
PCB-1242	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 03:47	1
PCB-1248	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 03:47	1
PCB-1254	ND		0.50	0.25	ug/L		06/08/16 15:12	06/09/16 03:47	1
PCB-1260	ND		0.50	0.25	ug/L		06/08/16 15:12	06/09/16 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*24 - 137*	*06/08/16 15:12*	*06/09/16 03:47*	*1*
DCB Decachlorobiphenyl	*55*		*19 - 125*	*06/08/16 15:12*	*06/09/16 03:47*	*1*

Client Sample ID: B111-AREA2-S1
Lab Sample ID: 480-101258-23
Date Collected: 06/07/16 10:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,1,2-Trichloroethane	ND	*	5.4	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,2-Dibromoethane	ND	*	5.4	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
1,4-Dichlorobenzene	ND	*	5.4	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
2-Hexanone	ND	*	27	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Acetone	ND		27	4.6	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Benzene	ND		5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Bromoform	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Chlorobenzene	ND	*	5.4	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Chloroform	**0.45**	**J**	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Dibromochloromethane	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1

Client Sample ID: B111-AREA2-S1
Lab Sample ID: 480-101258-23
Date Collected: 06/07/16 10:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Ethylbenzene	ND	*	5.4	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Isopropylbenzene	ND	*	5.4	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Methylene Chloride	**26**		5.4	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Styrene	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Tetrachloroethene	ND	*	5.4	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Toluene	ND	*	5.4	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
trans-1,3-Dichloropropene	ND	*	5.4	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	06/13/16 21:05	06/14/16 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*06/13/16 21:05*	*06/14/16 02:46*	*1*
4-Bromofluorobenzene (Surr)	*51*	*X **	*72 - 126*	*06/13/16 21:05*	*06/14/16 02:46*	*1*
Toluene-d8 (Surr)	*143*	*X **	*71 - 125*	*06/13/16 21:05*	*06/14/16 02:46*	*1*

Client Sample ID: B111-AREA2-S2
Lab Sample ID: 480-101258-24
Date Collected: 06/07/16 10:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,1,2,2-Tetrachloroethane	ND	*	5.7	0.92	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,1,2-Trichloroethane	ND	*	5.7	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,1-Dichloroethane	ND		5.7	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,1-Dichloroethene	ND		5.7	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,2,4-Trichlorobenzene	ND	*	5.7	0.34	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,2-Dibromo-3-Chloropropane	ND	*	5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,2-Dibromoethane	ND	*	5.7	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,2-Dichlorobenzene	ND	*	5.7	0.44	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,2-Dichloroethane	ND		5.7	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,2-Dichloropropane	ND		5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,3-Dichlorobenzene	ND	*	5.7	0.29	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
1,4-Dichlorobenzene	ND	*	5.7	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
2-Hexanone	ND	*	28	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
4-Methyl-2-pentanone (MIBK)	ND	*	28	1.9	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Acetone	**22**	**J**	28	4.8	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Benzene	ND		5.7	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Bromodichloromethane	ND		5.7	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Bromoform	ND	*	5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Bromomethane	ND		5.7	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1

Client Sample ID: B111-AREA2-S2
Lab Sample ID: 480-101258-24

Date Collected: 06/07/16 10:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Carbon tetrachloride	ND		5.7	0.55	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Chlorobenzene	ND	*	5.7	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Chloroethane	ND		5.7	1.3	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Chloroform	**1.8**	**J**	5.7	0.35	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Chloromethane	ND		5.7	0.34	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
cis-1,2-Dichloroethene	ND		5.7	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
cis-1,3-Dichloropropene	ND		5.7	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Cyclohexane	ND		5.7	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Dibromochloromethane	ND	*	5.7	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Dichlorodifluoromethane	ND		5.7	0.47	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Ethylbenzene	ND	*	5.7	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Isopropylbenzene	ND	*	5.7	0.85	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Methyl acetate	ND		5.7	3.4	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Methylcyclohexane	ND		5.7	0.86	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Methylene Chloride	**90**		5.7	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Styrene	ND	*	5.7	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Tetrachloroethene	ND	*	5.7	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Toluene	ND	*	5.7	0.43	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
trans-1,2-Dichloroethene	ND		5.7	0.59	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
trans-1,3-Dichloropropene	ND	*	5.7	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Trichloroethene	ND		5.7	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Trichlorofluoromethane	ND		5.7	0.54	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Vinyl chloride	ND		5.7	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1
Xylenes, Total	ND		11	0.95	ug/Kg	☼	06/13/16 21:05	06/14/16 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 126*	*06/13/16 21:05*	*06/14/16 03:12*	*1*
4-Bromofluorobenzene (Surr)	*49*	*X *	*72 - 126*	*06/13/16 21:05*	*06/14/16 03:12*	*1*
Toluene-d8 (Surr)	*145*	*X *	*71 - 125*	*06/13/16 21:05*	*06/14/16 03:12*	*1*

Client Sample ID: B112-AREA2-S1
Lab Sample ID: 480-101258-25

Date Collected: 06/07/16 09:50
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,1,2,2-Tetrachloroethane	ND	*	5.3	0.87	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,1,2-Trichloroethane	ND		5.3	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,1-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,1-Dichloroethene	ND		5.3	0.65	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,2,4-Trichlorobenzene	ND	*	5.3	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,2-Dibromoethane	ND		5.3	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,2-Dichlorobenzene	ND	*	5.3	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,2-Dichloropropane	ND		5.3	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1

Client Sample ID: B112-AREA2-S1
Lab Sample ID: 480-101258-25

Date Collected: 06/07/16 09:50
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	*	5.3	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
1,4-Dichlorobenzene	ND	*	5.3	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Acetone	ND		27	4.5	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Benzene	ND		5.3	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Bromodichloromethane	ND		5.3	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Bromomethane	ND		5.3	0.48	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Carbon disulfide	ND		5.3	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Carbon tetrachloride	ND		5.3	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Chlorobenzene	ND		5.3	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
cis-1,2-Dichloroethene	ND		5.3	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
cis-1,3-Dichloropropene	ND		5.3	0.77	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Cyclohexane	ND		5.3	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Dibromochloromethane	ND		5.3	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Dichlorodifluoromethane	ND		5.3	0.44	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Ethylbenzene	ND		5.3	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Isopropylbenzene	ND	*	5.3	0.81	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Methyl acetate	ND		5.3	3.2	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Methylcyclohexane	ND		5.3	0.81	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Methylene Chloride	**17**		5.3	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Styrene	ND		5.3	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Toluene	ND		5.3	0.40	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Trichlorofluoromethane	ND		5.3	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Vinyl chloride	ND		5.3	0.65	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1
Xylenes, Total	ND		11	0.90	ug/Kg	☼	06/13/16 21:05	06/14/16 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*06/13/16 21:05*	*06/14/16 03:38*	*1*
4-Bromofluorobenzene (Surr)	*58*	*X*	*72 - 126*	*06/13/16 21:05*	*06/14/16 03:38*	*1*
Toluene-d8 (Surr)	*122*		*71 - 125*	*06/13/16 21:05*	*06/14/16 03:38*	*1*

Client Sample ID: B112-AREA2-S2
Lab Sample ID: 480-101258-26

Date Collected: 06/07/16 09:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 94.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,1,2,2-Tetrachloroethane	ND	*	5.1	0.83	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1

Client Sample ID: B112-AREA2-S2
Date Collected: 06/07/16 09:55
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-26
Matrix: Solid
Percent Solids: 94.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,1,2-Trichloroethane	ND	*	5.1	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,1-Dichloroethane	ND		5.1	0.63	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,1-Dichloroethene	ND		5.1	0.63	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,2,4-Trichlorobenzene	ND	*	5.1	0.31	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,2-Dibromo-3-Chloropropane	ND	*	5.1	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,2-Dibromoethane	ND	*	5.1	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,2-Dichlorobenzene	ND	*	5.1	0.40	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,2-Dichloroethane	ND		5.1	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,2-Dichloropropane	ND		5.1	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,3-Dichlorobenzene	ND	*	5.1	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
1,4-Dichlorobenzene	ND	*	5.1	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
2-Hexanone	ND	*	26	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Acetone	ND		26	4.3	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Benzene	ND		5.1	0.25	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Bromodichloromethane	ND		5.1	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Bromoform	ND	*	5.1	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Bromomethane	ND		5.1	0.46	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Carbon disulfide	ND		5.1	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Carbon tetrachloride	ND		5.1	0.50	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Chlorobenzene	ND	*	5.1	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Chloroethane	ND		5.1	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Chloroform	ND		5.1	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Chloromethane	ND		5.1	0.31	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
cis-1,2-Dichloroethene	ND		5.1	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
cis-1,3-Dichloropropene	ND		5.1	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Cyclohexane	ND		5.1	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Dibromochloromethane	ND	*	5.1	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Dichlorodifluoromethane	ND		5.1	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Ethylbenzene	ND	*	5.1	0.35	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Isopropylbenzene	ND	*	5.1	0.78	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Methyl acetate	ND		5.1	3.1	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Methyl tert-butyl ether	ND		5.1	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Methylcyclohexane	ND		5.1	0.78	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Methylene Chloride	**32**		5.1	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Styrene	ND	*	5.1	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Tetrachloroethene	ND	*	5.1	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Toluene	ND	*	5.1	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
trans-1,2-Dichloroethene	ND		5.1	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
trans-1,3-Dichloropropene	ND	*	5.1	2.3	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Trichloroethene	ND		5.1	1.1	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Trichlorofluoromethane	ND		5.1	0.49	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Vinyl chloride	ND		5.1	0.63	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1
Xylenes, Total	ND		10	0.86	ug/Kg	☼	06/13/16 21:05	06/14/16 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*64 - 126*	*06/13/16 21:05*	*06/14/16 04:04*	*1*
4-Bromofluorobenzene (Surr)	*48*	*X *	*72 - 126*	*06/13/16 21:05*	*06/14/16 04:04*	*1*

Client Sample ID: B112-AREA2-S2

Lab Sample ID: 480-101258-26
Date Collected: 06/07/16 09:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 94.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	149	X *	71 - 125	06/13/16 21:05	06/14/16 04:04	1

Client Sample ID: B113-AREA2-S1

Lab Sample ID: 480-101258-27
Date Collected: 06/07/16 09:15
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.38	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,1,2,2-Tetrachloroethane	ND	*	5.3	0.85	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,1,2-Trichloroethane	ND	*	5.3	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,1-Dichloroethane	ND		5.3	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,1-Dichloroethene	ND		5.3	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,2,4-Trichlorobenzene	ND	*	5.3	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,2-Dibromoethane	ND	*	5.3	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,2-Dichlorobenzene	ND	*	5.3	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,2-Dichloroethane	ND		5.3	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,2-Dichloropropane	ND		5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,3-Dichlorobenzene	ND	*	5.3	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
1,4-Dichlorobenzene	ND	*	5.3	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
2-Hexanone	ND	*	26	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Acetone	**14**	**J**	26	4.4	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Benzene	ND		5.3	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Bromodichloromethane	ND		5.3	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Bromoform	ND	*	5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Bromomethane	ND		5.3	0.47	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Carbon disulfide	ND		5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Chlorobenzene	ND	*	5.3	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Chloroform	**1.0**	**J**	5.3	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
cis-1,2-Dichloroethene	ND		5.3	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Cyclohexane	ND		5.3	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Dibromochloromethane	ND	*	5.3	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Dichlorodifluoromethane	ND		5.3	0.43	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Ethylbenzene	ND	*	5.3	0.36	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Isopropylbenzene	ND	*	5.3	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Methyl acetate	ND		5.3	3.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Methyl tert-butyl ether	**1.1**	**J**	5.3	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Methylcyclohexane	ND		5.3	0.80	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Methylene Chloride	**51**		5.3	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Styrene	ND	*	5.3	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Tetrachloroethene	ND	*	5.3	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1

Client Sample ID: B113-AREA2-S1
Lab Sample ID: 480-101258-27
Date Collected: 06/07/16 09:15
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.68**	**J ***	5.3	0.40	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
trans-1,2-Dichloroethene	ND		5.3	0.54	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
trans-1,3-Dichloropropene	ND	*	5.3	2.3	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Vinyl chloride	ND		5.3	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1
Xylenes, Total	ND		11	0.88	ug/Kg	☼	06/13/16 21:05	06/14/16 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*06/13/16 21:05*	*06/14/16 04:30*	*1*
4-Bromofluorobenzene (Surr)	*53*	*X **	*72 - 126*	*06/13/16 21:05*	*06/14/16 04:30*	*1*
Toluene-d8 (Surr)	*129*	*X **	*71 - 125*	*06/13/16 21:05*	*06/14/16 04:30*	*1*

Client Sample ID: B113-AREA2-S2
Lab Sample ID: 480-101258-28
Date Collected: 06/07/16 09:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	5.4	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,1,2-Trichloroethane	ND	*	5.4	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,1-Dichloroethane	ND	*	5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,1-Dichloroethene	ND	*	5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,2-Dibromoethane	ND	*	5.4	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,2-Dichloroethane	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,2-Dichloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
1,4-Dichlorobenzene	ND	*	5.4	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
2-Butanone (MEK)	ND	*	27	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
2-Hexanone	ND	*	27	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Acetone	ND	*	27	4.6	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Benzene	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Bromodichloromethane	ND	*	5.4	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Bromoform	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Bromomethane	ND	*	5.4	0.49	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Carbon disulfide	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Carbon tetrachloride	ND	*	5.4	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Chlorobenzene	ND	*	5.4	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Chloroethane	ND	*	5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Chloroform	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Chloromethane	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
cis-1,2-Dichloroethene	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
cis-1,3-Dichloropropene	ND	*	5.4	0.78	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Cyclohexane	ND	*	5.4	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1

Client Sample ID: B113-AREA2-S2
Lab Sample ID: 480-101258-28
Date Collected: 06/07/16 09:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Dichlorodifluoromethane	ND	*	5.4	0.45	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Ethylbenzene	ND	*	5.4	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Isopropylbenzene	ND	*	5.4	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Methyl acetate	ND	*	5.4	3.3	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Methyl tert-butyl ether	ND	*	5.4	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Methylcyclohexane	ND	*	5.4	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Methylene Chloride	**50**	*	5.4	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Styrene	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Tetrachloroethene	ND	*	5.4	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Toluene	ND	*	5.4	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
trans-1,2-Dichloroethene	ND	*	5.4	0.56	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
trans-1,3-Dichloropropene	ND	*	5.4	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Trichloroethene	ND	*	5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Trichlorofluoromethane	ND	*	5.4	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Vinyl chloride	ND	*	5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	06/13/16 21:05	06/14/16 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*	*	*64 - 126*	*06/13/16 21:05*	*06/14/16 04:56*	*1*
4-Bromofluorobenzene (Surr)	*46*	*X *	*72 - 126*	*06/13/16 21:05*	*06/14/16 04:56*	*1*
Toluene-d8 (Surr)	*148*	*X *	*71 - 125*	*06/13/16 21:05*	*06/14/16 04:56*	*1*

Client Sample ID: B114-AREA2-S1
Lab Sample ID: 480-101258-29
Date Collected: 06/07/16 08:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,1,2,2-Tetrachloroethane	ND	*	5.7	0.92	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,1,2-Trichloroethane	ND	*	5.7	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,1-Dichloroethane	ND		5.7	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,1-Dichloroethene	ND		5.7	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,2,4-Trichlorobenzene	ND	*	5.7	0.34	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,2-Dibromo-3-Chloropropane	ND	*	5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,2-Dibromoethane	ND	*	5.7	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,2-Dichlorobenzene	ND	*	5.7	0.44	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,2-Dichloroethane	ND		5.7	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,2-Dichloropropane	ND		5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,3-Dichlorobenzene	ND	*	5.7	0.29	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
1,4-Dichlorobenzene	ND	*	5.7	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
2-Hexanone	ND	*	28	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
4-Methyl-2-pentanone (MIBK)	ND	*	28	1.9	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Acetone	**5.5**	**J**	28	4.8	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Benzene	ND		5.7	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Bromodichloromethane	ND		5.7	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Bromoform	ND	*	5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1

Client Sample ID: B114-AREA2-S1
Lab Sample ID: 480-101258-29

Date Collected: 06/07/16 08:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		5.7	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Carbon disulfide	ND		5.7	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Carbon tetrachloride	ND		5.7	0.55	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Chlorobenzene	ND	*	5.7	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Chloroethane	ND		5.7	1.3	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Chloroform	ND		5.7	0.35	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Chloromethane	ND		5.7	0.34	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
cis-1,2-Dichloroethene	ND		5.7	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
cis-1,3-Dichloropropene	ND		5.7	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Cyclohexane	ND		5.7	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Dibromochloromethane	ND	*	5.7	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Dichlorodifluoromethane	ND		5.7	0.47	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Ethylbenzene	ND	*	5.7	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Isopropylbenzene	ND	*	5.7	0.85	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Methyl acetate	ND		5.7	3.4	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Methyl tert-butyl ether	ND		5.7	0.56	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Methylcyclohexane	ND		5.7	0.86	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Methylene Chloride	**12**		5.7	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Styrene	ND	*	5.7	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Tetrachloroethene	ND	*	5.7	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Toluene	ND	*	5.7	0.43	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
trans-1,2-Dichloroethene	ND		5.7	0.58	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
trans-1,3-Dichloropropene	ND	*	5.7	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Trichloroethene	ND		5.7	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Trichlorofluoromethane	ND		5.7	0.54	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Vinyl chloride	ND		5.7	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1
Xylenes, Total	ND		11	0.95	ug/Kg	☼	06/13/16 21:05	06/14/16 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*06/13/16 21:05*	*06/14/16 05:21*	*1*
4-Bromofluorobenzene (Surr)	*52*	*X *	*72 - 126*	*06/13/16 21:05*	*06/14/16 05:21*	*1*
Toluene-d8 (Surr)	*136*	*X *	*71 - 125*	*06/13/16 21:05*	*06/14/16 05:21*	*1*

Client Sample ID: B114-AREA2-S2
Lab Sample ID: 480-101258-30

Date Collected: 06/07/16 08:35
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 80.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.2	0.45	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,1,2,2-Tetrachloroethane	ND		6.2	1.0	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	1.4	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,1,2-Trichloroethane	ND		6.2	0.80	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,1-Dichloroethane	ND		6.2	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,1-Dichloroethene	ND		6.2	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,2,4-Trichlorobenzene	ND		6.2	0.38	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,2-Dibromo-3-Chloropropane	ND		6.2	3.1	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,2-Dibromoethane	ND		6.2	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,2-Dichlorobenzene	ND		6.2	0.48	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,2-Dichloroethane	ND		6.2	0.31	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1

Client Sample ID: B114-AREA2-S2

Lab Sample ID: 480-101258-30
Date Collected: 06/07/16 08:35
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 80.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		6.2	3.1	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,3-Dichlorobenzene	ND		6.2	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
1,4-Dichlorobenzene	ND		6.2	0.87	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
2-Butanone (MEK)	ND		31	2.3	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
2-Hexanone	ND		31	3.1	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Acetone	ND		31	5.2	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Benzene	ND		6.2	0.30	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Bromodichloromethane	ND		6.2	0.83	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Bromoform	ND		6.2	3.1	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Bromomethane	ND		6.2	0.56	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Carbon disulfide	ND		6.2	3.1	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Carbon tetrachloride	ND		6.2	0.60	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Chlorobenzene	ND		6.2	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Chloroethane	ND		6.2	1.4	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Chloroform	ND		6.2	0.38	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Chloromethane	ND		6.2	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
cis-1,2-Dichloroethene	ND		6.2	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
cis-1,3-Dichloropropene	ND		6.2	0.89	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Cyclohexane	ND		6.2	0.87	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Dibromochloromethane	ND		6.2	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Dichlorodifluoromethane	ND		6.2	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Ethylbenzene	ND		6.2	0.43	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Isopropylbenzene	ND		6.2	0.93	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Methyl acetate	ND		6.2	3.7	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Methyl tert-butyl ether	ND		6.2	0.61	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Methylcyclohexane	ND		6.2	0.94	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Methylene Chloride	ND		6.2	2.8	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Styrene	ND		6.2	0.31	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Tetrachloroethene	ND		6.2	0.83	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Toluene	ND		6.2	0.47	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
trans-1,2-Dichloroethene	ND		6.2	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
trans-1,3-Dichloropropene	ND		6.2	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Trichloroethene	ND		6.2	1.4	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Trichlorofluoromethane	ND		6.2	0.58	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Vinyl chloride	ND		6.2	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1
Xylenes, Total	ND		12	1.0	ug/Kg	☼	06/13/16 21:05	06/14/16 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*06/13/16 21:05*	*06/14/16 05:47*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 126*	*06/13/16 21:05*	*06/14/16 05:47*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*06/13/16 21:05*	*06/14/16 05:47*	*1*

Client Sample ID: B101-AREA2-S1

Lab Sample ID: 480-101258-31
Date Collected: 06/07/16 15:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1

Client Sample ID: B101-AREA2-S1
Date Collected: 06/07/16 15:25
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-31
Matrix: Solid
Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.87	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,1,2-Trichloroethane	ND	*	5.4	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,2-Dibromoethane	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
1,4-Dichlorobenzene	ND	*	5.4	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
2-Hexanone	ND	*	27	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Acetone	**25**	**J**	27	4.5	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Benzene	ND		5.4	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Bromoform	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Chlorobenzene	ND	*	5.4	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Chloroform	**1.5**	**J**	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Cyclohexane	ND		5.4	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Dibromochloromethane	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Ethylbenzene	ND	*	5.4	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Isopropylbenzene	ND	*	5.4	0.81	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Methylene Chloride	**78**		5.4	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Styrene	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Tetrachloroethene	**0.85**	**J ***	5.4	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Toluene	**1.6**	**J ***	5.4	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
trans-1,3-Dichloropropene	ND	*	5.4	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1
Xylenes, Total	**1.3**	**J**	11	0.91	ug/Kg	☼	06/13/16 21:05	06/14/16 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*64 - 126*	*06/13/16 21:05*	*06/14/16 06:12*	*1*

Client Sample ID: B101-AREA2-S1

Lab Sample ID: 480-101258-31
Date Collected: 06/07/16 15:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*51*	*X **	*72 - 126*	*06/13/16 21:05*	*06/14/16 06:12*	*1*
Toluene-d8 (Surr)	*143*	*X **	*71 - 125*	*06/13/16 21:05*	*06/14/16 06:12*	*1*

Client Sample ID: B101-AREA2-S2

Lab Sample ID: 480-101258-32
Date Collected: 06/07/16 15:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.38	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,1,2,2-Tetrachloroethane	ND	*	5.3	0.85	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,1,2-Trichloroethane	ND	*	5.3	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,1-Dichloroethane	ND		5.3	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,1-Dichloroethene	ND		5.3	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,2,4-Trichlorobenzene	ND	*	5.3	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,2-Dibromoethane	ND	*	5.3	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,2-Dichlorobenzene	ND	*	5.3	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,2-Dichloroethane	ND		5.3	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,2-Dichloropropane	ND		5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,3-Dichlorobenzene	ND	*	5.3	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
1,4-Dichlorobenzene	ND	*	5.3	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
2-Hexanone	ND	*	26	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Acetone	**16**	**J**	26	4.4	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Benzene	ND		5.3	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Bromodichloromethane	ND		5.3	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Bromoform	ND	*	5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Bromomethane	ND		5.3	0.47	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Carbon disulfide	ND		5.3	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Chlorobenzene	ND	*	5.3	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
cis-1,2-Dichloroethene	ND		5.3	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Cyclohexane	ND		5.3	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Dibromochloromethane	ND	*	5.3	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Dichlorodifluoromethane	ND		5.3	0.43	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Ethylbenzene	ND	*	5.3	0.36	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Isopropylbenzene	ND	*	5.3	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Methyl acetate	ND		5.3	3.2	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Methylcyclohexane	ND		5.3	0.80	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Methylene Chloride	**57**		5.3	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Styrene	ND	*	5.3	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1

Client Sample ID: B101-AREA2-S2

Lab Sample ID: 480-101258-32
Date Collected: 06/07/16 15:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND	*	5.3	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Toluene	ND	*	5.3	0.40	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
trans-1,2-Dichloroethene	ND		5.3	0.54	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
trans-1,3-Dichloropropene	ND	*	5.3	2.3	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Vinyl chloride	ND		5.3	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1
Xylenes, Total	ND		11	0.88	ug/Kg	☼	06/13/16 21:05	06/14/16 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*64 - 126*	*06/13/16 21:05*	*06/14/16 06:38*	*1*
4-Bromofluorobenzene (Surr)	*46*	*X *	*72 - 126*	*06/13/16 21:05*	*06/14/16 06:38*	*1*
Toluene-d8 (Surr)	*142*	*X *	*71 - 125*	*06/13/16 21:05*	*06/14/16 06:38*	*1*

Client Sample ID: B102-AREA2-S1

Lab Sample ID: 480-101258-33
Date Collected: 06/07/16 13:45
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.87	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,1-Dichloroethane	**73**		5.4	0.65	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,2-Dibromoethane	ND		5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,2-Dichloroethane	**0.43**	**J**	5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
1,4-Dichlorobenzene	ND	*	5.4	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Acetone	**16**	**J**	27	4.5	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Benzene	ND		5.4	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Bromomethane	ND		5.4	0.48	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Carbon disulfide	**5.5**		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Chlorobenzene	ND		5.4	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Chloroform	ND		5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Chloromethane	ND		5.4	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
cis-1,2-Dichloroethene	**250**	**E**	5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
cis-1,3-Dichloropropene	ND		5.4	0.77	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1

Client Sample ID: B102-AREA2-S1
Lab Sample ID: 480-101258-33
Date Collected: 06/07/16 13:45
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.4	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Dichlorodifluoromethane	ND		5.4	0.44	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Ethylbenzene	**130**		5.4	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Isopropylbenzene	ND	*	5.4	0.81	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Methyl acetate	ND		5.4	3.2	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Methylcyclohexane	ND		5.4	0.81	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Methylene Chloride	**9.8**		5.4	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Styrene	ND		5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Tetrachloroethene	**3200**	**E**	5.4	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Toluene	**480**	**E**	5.4	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
trans-1,2-Dichloroethene	**2.1**	**J**	5.4	0.55	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Trichloroethene	**1300**	**E**	5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Vinyl chloride	ND		5.4	0.65	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1
Xylenes, Total	**390**		11	0.90	ug/Kg	☼	06/13/16 21:05	06/14/16 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*06/13/16 21:05*	*06/14/16 07:04*	*1*
4-Bromofluorobenzene (Surr)	*58*	*X*	*72 - 126*	*06/13/16 21:05*	*06/14/16 07:04*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*06/13/16 21:05*	*06/14/16 07:04*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2200	610	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,1,2,2-Tetrachloroethane	ND		2200	360	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200	1100	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,1,2-Trichloroethane	ND		2200	460	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,1-Dichloroethane	ND		2200	680	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,1-Dichloroethene	ND		2200	760	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,2,4-Trichlorobenzene	ND		2200	840	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,2-Dibromo-3-Chloropropane	ND		2200	1100	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,2-Dibromoethane	ND		2200	390	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,2-Dichlorobenzene	ND		2200	560	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,2-Dichloroethane	ND		2200	900	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,2-Dichloropropane	ND	*	2200	360	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,3-Dichlorobenzene	ND		2200	590	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
1,4-Dichlorobenzene	ND		2200	310	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
2-Butanone (MEK)	ND		11000	6600	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
2-Hexanone	ND		11000	4500	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
4-Methyl-2-pentanone (MIBK)	ND		11000	710	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Acetone	ND		11000	9100	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Benzene	ND		2200	420	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Bromodichloromethane	ND		2200	440	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Bromoform	ND		2200	1100	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Bromomethane	ND		2200	490	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Carbon disulfide	ND		2200	1000	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Carbon tetrachloride	ND		2200	560	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20

Client Sample ID: B102-AREA2-S1
Lab Sample ID: 480-101258-33
Date Collected: 06/07/16 13:45
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2200	290	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Chloroethane	ND		2200	460	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Chloroform	ND		2200	1500	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Chloromethane	ND		2200	530	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
cis-1,2-Dichloroethene	ND		2200	610	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
cis-1,3-Dichloropropene	ND		2200	530	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Cyclohexane	ND	*	2200	490	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Dibromochloromethane	ND		2200	1100	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Dichlorodifluoromethane	ND		2200	960	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Ethylbenzene	**1300**	**J**	2200	640	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Isopropylbenzene	ND		2200	330	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Methyl acetate	ND		2200	1100	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Methyl tert-butyl ether	ND		2200	830	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Methylcyclohexane	ND		2200	1000	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Methylene Chloride	ND		2200	440	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Styrene	ND		2200	530	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Tetrachloroethene	**93000**		2200	300	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Toluene	**2900**		2200	590	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
trans-1,2-Dichloroethene	ND		2200	520	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
trans-1,3-Dichloropropene	ND		2200	220	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Trichloroethene	**11000**		2200	610	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Trichlorofluoromethane	ND		2200	1000	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Vinyl chloride	ND		2200	740	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20
Xylenes, Total	**1700**	**J**	4400	1200	ug/Kg	☼	06/14/16 18:51	06/15/16 17:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*06/14/16 18:51*	*06/15/16 17:38*	*20*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*06/14/16 18:51*	*06/15/16 17:38*	*20*
Toluene-d8 (Surr)	*93*		*50 - 149*	*06/14/16 18:51*	*06/15/16 17:38*	*20*

Client Sample ID: B102-AREA2-S2
Lab Sample ID: 480-101258-34
Date Collected: 06/07/16 13:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,1,2-Trichloroethane	ND		5.2	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,1-Dichloroethane	ND		5.2	0.63	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,1-Dichloroethene	ND		5.2	0.64	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,2,4-Trichlorobenzene	ND	*	5.2	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,2-Dibromoethane	ND		5.2	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,2-Dichlorobenzene	ND	*	5.2	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,2-Dichloroethane	ND		5.2	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,2-Dichloropropane	ND		5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,3-Dichlorobenzene	ND	*	5.2	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
1,4-Dichlorobenzene	ND	*	5.2	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1

Client Sample ID: B102-AREA2-S2
Lab Sample ID: 480-101258-34

Date Collected: 06/07/16 13:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Acetone	ND		26	4.4	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Benzene	ND		5.2	0.25	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Bromodichloromethane	ND		5.2	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Bromomethane	ND		5.2	0.47	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Carbon tetrachloride	ND		5.2	0.50	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Chlorobenzene	ND		5.2	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Chloroethane	ND		5.2	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Chloroform	ND		5.2	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Chloromethane	ND		5.2	0.31	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
cis-1,2-Dichloroethene	ND		5.2	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Dibromochloromethane	ND		5.2	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Dichlorodifluoromethane	ND		5.2	0.43	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Ethylbenzene	ND		5.2	0.36	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Isopropylbenzene	ND	*	5.2	0.78	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Methyl acetate	ND		5.2	3.1	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Methyl tert-butyl ether	ND		5.2	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Methylcyclohexane	ND		5.2	0.79	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Methylene Chloride	**12**		5.2	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Styrene	ND		5.2	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Tetrachloroethene	**1.4**	**J**	5.2	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Toluene	ND		5.2	0.39	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Trichloroethene	**1.1**	**J**	5.2	1.1	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Trichlorofluoromethane	ND		5.2	0.49	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Vinyl chloride	ND		5.2	0.63	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1
Xylenes, Total	ND		10	0.87	ug/Kg	☼	06/14/16 08:57	06/14/16 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*06/14/16 08:57*	*06/14/16 12:34*	*1*
4-Bromofluorobenzene (Surr)	*48*	*X*	*72 - 126*	*06/14/16 08:57*	*06/14/16 12:34*	*1*
Toluene-d8 (Surr)	*122*		*71 - 125*	*06/14/16 08:57*	*06/14/16 12:34*	*1*

Client Sample ID: B103-AREA2-S1
Lab Sample ID: 480-101258-35

Date Collected: 06/07/16 13:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.3**	**J**	5.4	0.39	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**2.0**	**J**	5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1

Client Sample ID: B103-AREA2-S1
Date Collected: 06/07/16 13:25
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-35
Matrix: Solid
Percent Solids: 92.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.4	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,1-Dichloroethane	**7.4**		5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,2-Dibromoethane	ND		5.4	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,2-Dichloroethane	**0.67**	**J**	5.4	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
1,4-Dichlorobenzene	ND	*	5.4	0.76	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Acetone	**250**		27	4.6	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Benzene	ND		5.4	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Carbon disulfide	**3.4**	**J**	5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Carbon tetrachloride	ND		5.4	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Chlorobenzene	ND		5.4	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Chloroform	ND		5.4	0.34	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
cis-1,2-Dichloroethene	**34**		5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Ethylbenzene	**330**	**E**	5.4	0.37	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Isopropylbenzene	**1.4**	**J ***	5.4	0.82	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Methylene Chloride	**7.9**		5.4	2.5	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Styrene	ND		5.4	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Tetrachloroethene	**1800**	**E**	5.4	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Toluene	**310**	**E**	5.4	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Trichloroethene	**960**	**E**	5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1
Xylenes, Total	**1200**		11	0.91	ug/Kg	☼	06/14/16 08:57	06/14/16 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*06/14/16 08:57*	*06/14/16 13:00*	*1*
4-Bromofluorobenzene (Surr)	*64*	*X*	*72 - 126*	*06/14/16 08:57*	*06/14/16 13:00*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*06/14/16 08:57*	*06/14/16 13:00*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		450	120	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,1,2,2-Tetrachloroethane	ND		450	73	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450	220	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,1,2-Trichloroethane	ND		450	94	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,1-Dichloroethane	ND		450	140	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,1-Dichloroethene	ND		450	160	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,2,4-Trichlorobenzene	ND		450	170	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,2-Dibromo-3-Chloropropane	ND		450	220	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,2-Dibromoethane	ND		450	79	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,2-Dichlorobenzene	ND		450	110	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,2-Dichloroethane	ND		450	180	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,2-Dichloropropane	ND	*	450	73	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,3-Dichlorobenzene	ND		450	120	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
1,4-Dichlorobenzene	ND		450	63	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
2-Butanone (MEK)	ND		2200	1300	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
2-Hexanone	ND		2200	920	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
4-Methyl-2-pentanone (MIBK)	ND		2200	140	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Acetone	ND		2200	1800	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Benzene	ND		450	85	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Bromodichloromethane	ND		450	90	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Bromoform	ND		450	220	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Bromomethane	ND		450	99	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Carbon disulfide	ND		450	200	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Carbon tetrachloride	ND		450	110	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Chlorobenzene	ND		450	59	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Chloroethane	ND		450	93	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Chloroform	ND		450	310	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Chloromethane	ND		450	110	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
cis-1,2-Dichloroethene	ND		450	120	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
cis-1,3-Dichloropropene	ND		450	110	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Cyclohexane	ND	*	450	100	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Dibromochloromethane	ND		450	220	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Dichlorodifluoromethane	ND		450	200	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Ethylbenzene	**2900**		450	130	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Isopropylbenzene	ND		450	67	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Methyl acetate	ND		450	210	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Methyl tert-butyl ether	ND		450	170	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Methylcyclohexane	ND		450	210	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Methylene Chloride	ND		450	89	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Styrene	ND		450	110	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Tetrachloroethene	**21000**		450	60	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Toluene	**1300**		450	120	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
trans-1,2-Dichloroethene	ND		450	110	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
trans-1,3-Dichloropropene	ND		450	44	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Trichloroethene	**6300**		450	120	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Trichlorofluoromethane	ND		450	210	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Vinyl chloride	ND		450	150	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4
Xylenes, Total	**16000**		900	250	ug/Kg	☼	06/14/16 20:17	06/15/16 18:05	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*06/14/16 20:17*	*06/15/16 18:05*	*4*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*06/14/16 20:17*	*06/15/16 18:05*	*4*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/14/16 20:17*	*06/15/16 18:05*	*4*

Client Sample ID: B103-AREA2-S2
Lab Sample ID: 480-101258-36
Date Collected: 06/07/16 13:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.64**	**J**	5.3	0.39	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**3.8**	**J**	5.3	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,1,2-Trichloroethane	ND	*	5.3	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,1-Dichloroethane	**63**		5.3	0.65	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,1-Dichloroethene	**2.1**	**J**	5.3	0.65	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,2,4-Trichlorobenzene	ND	*	5.3	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,2-Dibromoethane	ND	*	5.3	0.68	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,2-Dichlorobenzene	ND	*	5.3	0.42	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,2-Dichloropropane	ND		5.3	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,3-Dichlorobenzene	ND	*	5.3	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
1,4-Dichlorobenzene	ND	*	5.3	0.74	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
2-Butanone (MEK)	ND		27	1.9	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
2-Hexanone	ND	*	27	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
4-Methyl-2-pentanone (MIBK)	ND	*	27	1.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Acetone	ND		27	4.5	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Benzene	ND		5.3	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Bromodichloromethane	ND		5.3	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Bromoform	ND	*	5.3	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Bromomethane	ND		5.3	0.48	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Carbon disulfide	ND		5.3	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Chlorobenzene	ND	*	5.3	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
cis-1,2-Dichloroethene	**350**	**E**	5.3	0.68	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
cis-1,3-Dichloropropene	ND		5.3	0.77	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Cyclohexane	ND		5.3	0.74	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Dibromochloromethane	ND	*	5.3	0.68	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Dichlorodifluoromethane	ND		5.3	0.44	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Ethylbenzene	**1.1**	**J ***	5.3	0.37	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Isopropylbenzene	ND	*	5.3	0.80	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Methyl acetate	ND		5.3	3.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Methylcyclohexane	ND		5.3	0.81	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Methylene Chloride	**19**		5.3	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Styrene	ND	*	5.3	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Tetrachloroethene	**16**	****	5.3	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Toluene	**1.9**	**J ***	5.3	0.40	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
trans-1,3-Dichloropropene	ND	*	5.3	2.3	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Trichloroethene	**57**		5.3	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Vinyl chloride	ND		5.3	0.65	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1
Xylenes, Total	**6.1**	**J**	11	0.89	ug/Kg	☼	06/14/16 08:57	06/14/16 13:26	1

Client Sample ID: B103-AREA2-S2

Lab Sample ID: 480-101258-36

Date Collected: 06/07/16 13:30

Matrix: Solid

Date Received: 06/08/16 01:40

Percent Solids: 93.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*06/14/16 08:57*	*06/14/16 13:26*	*1*
4-Bromofluorobenzene (Surr)	*48*	*X **	*72 - 126*	*06/14/16 08:57*	*06/14/16 13:26*	*1*
Toluene-d8 (Surr)	*139*	*X **	*71 - 125*	*06/14/16 08:57*	*06/14/16 13:26*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	29	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,1,2,2-Tetrachloroethane	ND		110	17	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	53	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,1,2-Trichloroethane	ND		110	22	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,1-Dichloroethane	**560**		110	33	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,1-Dichloroethene	ND		110	37	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,2,4-Trichlorobenzene	ND		110	40	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,2-Dibromo-3-Chloropropane	ND		110	53	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,2-Dibromoethane	ND		110	19	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,2-Dichlorobenzene	ND		110	27	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,2-Dichloroethane	ND		110	43	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,2-Dichloropropane	ND	*	110	17	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,3-Dichlorobenzene	ND		110	28	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
1,4-Dichlorobenzene	ND		110	15	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
2-Butanone (MEK)	ND		530	310	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
2-Hexanone	ND		530	220	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		530	34	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Acetone	ND		530	430	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Benzene	ND		110	20	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Bromodichloromethane	ND		110	21	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Bromoform	ND		110	53	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Bromomethane	ND		110	23	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Carbon disulfide	ND		110	48	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Carbon tetrachloride	ND		110	27	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Chlorobenzene	ND		110	14	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Chloroethane	ND		110	22	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Chloroform	ND		110	73	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Chloromethane	ND		110	25	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
cis-1,2-Dichloroethene	**2100**		110	29	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
cis-1,3-Dichloropropene	ND		110	25	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Cyclohexane	ND	*	110	23	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Dibromochloromethane	ND		110	51	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Dichlorodifluoromethane	ND		110	46	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Ethylbenzene	ND		110	31	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Isopropylbenzene	ND		110	16	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Methyl acetate	ND		110	50	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Methyl tert-butyl ether	ND		110	40	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Methylcyclohexane	ND		110	50	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Methylene Chloride	ND		110	21	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Styrene	ND		110	25	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Tetrachloroethene	**180**		110	14	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Toluene	ND		110	28	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
trans-1,2-Dichloroethene	ND		110	25	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
trans-1,3-Dichloropropene	ND		110	10	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1

Client Sample ID: B103-AREA2-S2
Lab Sample ID: 480-101258-36

Date Collected: 06/07/16 13:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**720**		110	29	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Trichlorofluoromethane	ND		110	50	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Vinyl chloride	ND		110	35	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1
Xylenes, Total	ND		210	59	ug/Kg	☼	06/14/16 20:17	06/15/16 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*06/14/16 20:17*	*06/15/16 18:31*	*1*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*06/14/16 20:17*	*06/15/16 18:31*	*1*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/14/16 20:17*	*06/15/16 18:31*	*1*

Client Sample ID: B109-AREA2-S1
Lab Sample ID: 480-101258-37

Date Collected: 06/07/16 13:00
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,1,2,2-Tetrachloroethane	ND	*	5.5	0.89	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,1,2-Trichloroethane	ND		5.5	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,1-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,1-Dichloroethene	ND		5.5	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,2,4-Trichlorobenzene	ND	*	5.5	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,2-Dibromoethane	ND		5.5	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,2-Dichlorobenzene	ND	*	5.5	0.43	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,2-Dichloroethane	ND		5.5	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,2-Dichloropropane	ND		5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,3-Dichlorobenzene	ND	*	5.5	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
1,4-Dichlorobenzene	ND	*	5.5	0.77	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Acetone	ND		27	4.6	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Benzene	ND		5.5	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Bromodichloromethane	ND		5.5	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Bromoform	ND		5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Bromomethane	ND		5.5	0.49	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Carbon disulfide	ND		5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Carbon tetrachloride	ND		5.5	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Chlorobenzene	ND		5.5	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Chloroethane	ND		5.5	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
cis-1,2-Dichloroethene	ND		5.5	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
cis-1,3-Dichloropropene	ND		5.5	0.79	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Cyclohexane	ND		5.5	0.77	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Dibromochloromethane	ND		5.5	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Dichlorodifluoromethane	ND		5.5	0.45	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Ethylbenzene	ND		5.5	0.38	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1

Client Sample ID: B109-AREA2-S1
Lab Sample ID: 480-101258-37
Date Collected: 06/07/16 13:00
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND	*	5.5	0.82	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Methyl acetate	ND		5.5	3.3	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Methylcyclohexane	ND		5.5	0.83	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Methylene Chloride	**8.9**		5.5	2.5	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Styrene	ND		5.5	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Tetrachloroethene	ND		5.5	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Toluene	ND		5.5	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
trans-1,2-Dichloroethene	ND		5.5	0.56	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Vinyl chloride	ND		5.5	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1
Xylenes, Total	ND		11	0.92	ug/Kg	☼	06/14/16 08:57	06/14/16 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*06/14/16 08:57*	*06/14/16 13:51*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 126*	*06/14/16 08:57*	*06/14/16 13:51*	*1*
Toluene-d8 (Surr)	*104*		*71 - 125*	*06/14/16 08:57*	*06/14/16 13:51*	*1*

Client Sample ID: B109-AREA2-S2
Lab Sample ID: 480-101258-38
Date Collected: 06/07/16 13:05
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.91	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,1-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,1-Dichloroethene	ND		5.6	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
1,4-Dichlorobenzene	ND		5.6	0.79	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Acetone	ND		28	4.7	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Benzene	ND		5.6	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Bromodichloromethane	ND		5.6	0.75	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Bromomethane	ND		5.6	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Carbon tetrachloride	ND		5.6	0.54	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1

Client Sample ID: B109-AREA2-S2
Lab Sample ID: 480-101258-38
Date Collected: 06/07/16 13:05
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.6	0.74	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Chloroform	ND		5.6	0.35	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Cyclohexane	ND		5.6	0.79	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Dichlorodifluoromethane	ND		5.6	0.46	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Isopropylbenzene	ND		5.6	0.85	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Methyl acetate	ND		5.6	3.4	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Methylcyclohexane	ND		5.6	0.85	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Methylene Chloride	**17**		5.6	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Styrene	ND		5.6	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Tetrachloroethene	ND		5.6	0.75	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Toluene	ND		5.6	0.42	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Trichloroethene	ND		5.6	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Vinyl chloride	ND		5.6	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1
Xylenes, Total	ND		11	0.94	ug/Kg	☼	06/14/16 08:57	06/14/16 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*06/14/16 08:57*	*06/14/16 14:17*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*06/14/16 08:57*	*06/14/16 14:17*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*06/14/16 08:57*	*06/14/16 14:17*	*1*

Client Sample ID: B110-AREA2-S1
Lab Sample ID: 480-101258-39
Date Collected: 06/07/16 11:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,1-Dichloroethane	**5.0**	**J**	5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,2-Dibromoethane	ND		5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
1,4-Dichlorobenzene	ND	*	5.4	0.76	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1

Client Sample ID: B110-AREA2-S1
Lab Sample ID: 480-101258-39
Date Collected: 06/07/16 11:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Acetone	**5.6**	**J**	27	4.5	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Benzene	ND		5.4	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Carbon disulfide	**3.4**	**J**	5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Chlorobenzene	ND		5.4	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Chloroform	ND		5.4	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
cis-1,2-Dichloroethene	**670**	**E**	5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Ethylbenzene	**9.6**		5.4	0.37	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Isopropylbenzene	ND	*	5.4	0.81	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Methylene Chloride	**11**		5.4	2.5	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Styrene	ND		5.4	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Tetrachloroethene	**36**		5.4	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Toluene	**380**	**E**	5.4	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
trans-1,2-Dichloroethene	**5.7**		5.4	0.56	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Trichloroethene	**43**		5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1
Xylenes, Total	**34**		11	0.91	ug/Kg	☼	06/14/16 08:57	06/14/16 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*06/14/16 08:57*	*06/14/16 14:43*	*1*
4-Bromofluorobenzene (Surr)	*73*		*72 - 126*	*06/14/16 08:57*	*06/14/16 14:43*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*06/14/16 08:57*	*06/14/16 14:43*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	30	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,1,2,2-Tetrachloroethane	ND		110	18	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	54	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,1,2-Trichloroethane	ND		110	23	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,1-Dichloroethane	**35**	**J**	110	34	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,1-Dichloroethene	ND		110	38	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,2,4-Trichlorobenzene	ND		110	41	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,2-Dibromo-3-Chloropropane	ND		110	54	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1

Client Sample ID: B110-AREA2-S1
Lab Sample ID: 480-101258-39
Date Collected: 06/07/16 11:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		110	19	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,2-Dichlorobenzene	ND		110	28	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,2-Dichloroethane	ND		110	44	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,2-Dichloropropane	ND	*	110	18	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,3-Dichlorobenzene	ND		110	29	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
1,4-Dichlorobenzene	ND		110	15	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
2-Butanone (MEK)	ND		540	320	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
2-Hexanone	ND		540	220	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
4-Methyl-2-pentanone (MIBK)	ND		540	35	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Acetone	ND		540	450	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Benzene	ND		110	21	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Bromodichloromethane	ND		110	22	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Bromoform	ND		110	54	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Bromomethane	ND		110	24	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Carbon disulfide	ND		110	49	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Carbon tetrachloride	ND		110	28	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Chlorobenzene	ND		110	14	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Chloroethane	ND		110	23	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Chloroform	ND		110	74	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Chloromethane	ND		110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
cis-1,2-Dichloroethene	**3000**		110	30	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
cis-1,3-Dichloropropene	ND		110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Cyclohexane	ND	*	110	24	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Dibromochloromethane	ND		110	53	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Dichlorodifluoromethane	ND		110	47	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Ethylbenzene	**150**		110	32	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Isopropylbenzene	ND		110	16	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Methyl acetate	ND		110	52	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Methyl tert-butyl ether	ND		110	41	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Methylcyclohexane	ND		110	51	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Methylene Chloride	ND		110	21	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Styrene	ND		110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Tetrachloroethene	**320**		110	15	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Toluene	**5200**		110	29	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
trans-1,2-Dichloroethene	**38**	**J**	110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
trans-1,3-Dichloropropene	ND		110	11	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Trichloroethene	**240**		110	30	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Trichlorofluoromethane	ND		110	51	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Vinyl chloride	ND		110	36	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1
Xylenes, Total	**510**		220	60	ug/Kg	☼	06/14/16 20:17	06/15/16 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*06/14/16 20:17*	*06/15/16 02:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*06/14/16 20:17*	*06/15/16 02:32*	*1*
Toluene-d8 (Surr)	*94*		*50 - 149*	*06/14/16 20:17*	*06/15/16 02:32*	*1*

Client Sample ID: B110-AREA2-S2
Lab Sample ID: 480-101258-40
Date Collected: 06/07/16 11:45
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,1,2,2-Tetrachloroethane	ND		5.2	0.85	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,1,2-Trichloroethane	ND		5.2	0.68	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,1-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,1-Dichloroethene	ND		5.2	0.64	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,2,4-Trichlorobenzene	ND		5.2	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,2-Dibromo-3-Chloropropane	ND		5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,2-Dibromoethane	ND		5.2	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,2-Dichlorobenzene	ND		5.2	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,2-Dichloroethane	ND		5.2	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,2-Dichloropropane	ND		5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,3-Dichlorobenzene	ND		5.2	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
1,4-Dichlorobenzene	ND		5.2	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Acetone	ND		26	4.4	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Benzene	ND		5.2	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Bromodichloromethane	ND		5.2	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Bromomethane	ND		5.2	0.47	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Carbon tetrachloride	ND		5.2	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Chlorobenzene	ND		5.2	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Chloroethane	ND		5.2	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Chloroform	ND		5.2	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Chloromethane	ND		5.2	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
cis-1,2-Dichloroethene	**4.1**	**J**	5.2	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Dibromochloromethane	ND		5.2	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Dichlorodifluoromethane	ND		5.2	0.43	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Ethylbenzene	ND		5.2	0.36	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Isopropylbenzene	ND		5.2	0.79	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Methyl acetate	ND		5.2	3.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Methyl tert-butyl ether	ND		5.2	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Methylcyclohexane	ND		5.2	0.80	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Methylene Chloride	**16**		5.2	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Styrene	ND		5.2	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Tetrachloroethene	ND		5.2	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Toluene	**0.55**	**J**	5.2	0.40	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Trichloroethene	ND		5.2	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Trichlorofluoromethane	ND		5.2	0.50	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Vinyl chloride	ND		5.2	0.64	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1
Xylenes, Total	ND		10	0.88	ug/Kg	☼	06/14/16 08:57	06/14/16 15:08	1

Client Sample ID: B110-AREA2-S2

Lab Sample ID: 480-101258-40
Date Collected: 06/07/16 11:45
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*06/14/16 08:57*	*06/14/16 15:08*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*06/14/16 08:57*	*06/14/16 15:08*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*06/14/16 08:57*	*06/14/16 15:08*	*1*

Client Sample ID: B115-AREA2-S1

Lab Sample ID: 480-101258-41
Date Collected: 06/07/16 15:50
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.89	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,1,2-Trichloroethane	ND		5.5	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,1-Dichloroethane	**200**		5.5	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,1-Dichloroethene	**31**		5.5	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,2,4-Trichlorobenzene	ND		5.5	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,2-Dibromo-3-Chloropropane	ND		5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,2-Dibromoethane	ND		5.5	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,2-Dichlorobenzene	ND		5.5	0.43	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,2-Dichloroethane	**1.1**	**J**	5.5	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,2-Dichloropropane	ND		5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,3-Dichlorobenzene	ND		5.5	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
1,4-Dichlorobenzene	ND		5.5	0.77	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Acetone	**19**	**J**	27	4.6	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Benzene	ND		5.5	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Bromodichloromethane	ND		5.5	0.74	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Bromoform	ND		5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Bromomethane	ND		5.5	0.49	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Carbon disulfide	ND		5.5	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Carbon tetrachloride	ND		5.5	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Chlorobenzene	ND		5.5	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Chloroethane	ND		5.5	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
cis-1,2-Dichloroethene	**510**	**E**	5.5	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
cis-1,3-Dichloropropene	ND		5.5	0.79	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Cyclohexane	ND		5.5	0.77	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Dibromochloromethane	ND		5.5	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Dichlorodifluoromethane	ND		5.5	0.45	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Ethylbenzene	ND		5.5	0.38	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Isopropylbenzene	ND		5.5	0.83	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Methyl acetate	ND		5.5	3.3	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Methylcyclohexane	ND		5.5	0.84	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Methylene Chloride	**19**		5.5	2.5	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Styrene	ND		5.5	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1

Client Sample ID: B115-AREA2-S1
Lab Sample ID: 480-101258-41
Date Collected: 06/07/16 15:50
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.82**	**J**	5.5	0.74	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Toluene	**0.72**	**J**	5.5	0.42	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Trichloroethene	**4.3**	**J**	5.5	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Vinyl chloride	**2.0**	**J**	5.5	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1
Xylenes, Total	ND		11	0.92	ug/Kg	☼	06/14/16 08:57	06/14/16 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*06/14/16 08:57*	*06/14/16 15:34*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*06/14/16 08:57*	*06/14/16 15:34*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*06/14/16 08:57*	*06/14/16 15:34*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	30	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,1,2,2-Tetrachloroethane	ND		110	18	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	55	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,1,2-Trichloroethane	ND		110	23	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,1-Dichloroethane	**2000**		110	34	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,1-Dichloroethene	**270**		110	38	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,2,4-Trichlorobenzene	ND		110	41	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,2-Dibromo-3-Chloropropane	ND		110	55	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,2-Dibromoethane	ND		110	19	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,2-Dichlorobenzene	ND		110	28	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,2-Dichloroethane	ND		110	45	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,2-Dichloropropane	ND	*	110	18	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,3-Dichlorobenzene	ND		110	29	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
1,4-Dichlorobenzene	ND		110	15	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
2-Butanone (MEK)	ND		550	320	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
2-Hexanone	ND		550	220	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
4-Methyl-2-pentanone (MIBK)	ND		550	35	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Acetone	ND		550	450	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Benzene	ND		110	21	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Bromodichloromethane	ND		110	22	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Bromoform	ND		110	55	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Bromomethane	ND		110	24	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Carbon disulfide	ND		110	50	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Carbon tetrachloride	ND		110	28	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Chlorobenzene	ND		110	14	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Chloroethane	ND		110	23	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Chloroform	ND		110	75	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Chloromethane	ND		110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
cis-1,2-Dichloroethene	**3300**		110	30	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
cis-1,3-Dichloropropene	ND		110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Cyclohexane	ND	*	110	24	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Dibromochloromethane	ND		110	53	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Dichlorodifluoromethane	ND		110	48	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Ethylbenzene	ND		110	32	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1

Client Sample ID: B115-AREA2-S1
Lab Sample ID: 480-101258-41
Date Collected: 06/07/16 15:50
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		110	16	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Methyl acetate	ND		110	52	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Methyl tert-butyl ether	ND		110	41	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Methylcyclohexane	ND		110	51	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Methylene Chloride	ND		110	22	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Styrene	ND		110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Tetrachloroethene	ND		110	15	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Toluene	ND		110	29	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
trans-1,2-Dichloroethene	ND		110	26	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
trans-1,3-Dichloropropene	ND		110	11	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Trichloroethene	**140**		110	30	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Trichlorofluoromethane	ND		110	51	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Vinyl chloride	ND		110	37	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1
Xylenes, Total	ND		220	60	ug/Kg	☼	06/14/16 20:17	06/15/16 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*06/14/16 20:17*	*06/15/16 02:59*	*1*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*06/14/16 20:17*	*06/15/16 02:59*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*06/14/16 20:17*	*06/15/16 02:59*	*1*

Client Sample ID: B115-AREA2-S2
Lab Sample ID: 480-101258-42
Date Collected: 06/07/16 15:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.87	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,1,2-Trichloroethane	ND	*	5.4	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,1-Dichloroethane	**4.6**	**J**	5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,1-Dichloroethene	**1.9**	**J**	5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,2-Dibromoethane	ND	*	5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
1,4-Dichlorobenzene	ND	*	5.4	0.75	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
2-Hexanone	ND	*	27	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Acetone	**13**	**J**	27	4.5	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Benzene	ND		5.4	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Bromoform	ND	*	5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Bromomethane	ND		5.4	0.48	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1

Client Sample ID: B115-AREA2-S2

Date Collected: 06/07/16 15:55
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-42

Matrix: Solid
Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND	*	5.4	0.71	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Chloroform	**1.1**	**J**	5.4	0.33	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Chloromethane	ND		5.4	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
cis-1,2-Dichloroethene	**4.3**	**J**	5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
cis-1,3-Dichloropropene	ND		5.4	0.77	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Cyclohexane	ND		5.4	0.75	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Dibromochloromethane	ND	*	5.4	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Dichlorodifluoromethane	ND		5.4	0.44	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Ethylbenzene	ND	*	5.4	0.37	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Isopropylbenzene	ND	*	5.4	0.81	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Methyl acetate	ND		5.4	3.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Methylene Chloride	**55**		5.4	2.5	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Styrene	ND	*	5.4	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Tetrachloroethene	ND	*	5.4	0.72	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Toluene	**1.3**	**J ***	5.4	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
trans-1,2-Dichloroethene	ND		5.4	0.55	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
trans-1,3-Dichloropropene	ND	*	5.4	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1
Xylenes, Total	ND		11	0.90	ug/Kg	☼	06/14/16 08:57	06/14/16 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*06/14/16 08:57*	*06/14/16 15:59*	*1*
4-Bromofluorobenzene (Surr)	*51*	*X **	*72 - 126*	*06/14/16 08:57*	*06/14/16 15:59*	*1*
Toluene-d8 (Surr)	*135*	*X **	*71 - 125*	*06/14/16 08:57*	*06/14/16 15:59*	*1*

Client Sample ID: B-AREA2-DUP5

Date Collected: 06/07/16 14:00
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-43

Matrix: Solid
Percent Solids: 94.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	5.2	0.38	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.2	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,1,2-Trichloroethane	ND	*	5.2	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,1-Dichloroethane	**6.6**	****	5.2	0.63	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,1-Dichloroethene	ND	*	5.2	0.63	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,2,4-Trichlorobenzene	ND	*	5.2	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,2-Dibromoethane	ND	*	5.2	0.67	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,2-Dichlorobenzene	ND	*	5.2	0.41	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,2-Dichloroethane	ND	*	5.2	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,2-Dichloropropane	ND	*	5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,3-Dichlorobenzene	ND	*	5.2	0.27	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
1,4-Dichlorobenzene	ND	*	5.2	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1

Client Sample ID: B-AREA2-DUP5
Lab Sample ID: 480-101258-43
Date Collected: 06/07/16 14:00
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 94.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	*	26	1.9	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
2-Hexanone	ND	*	26	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Acetone	**23**	**J ***	26	4.4	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Benzene	ND	*	5.2	0.25	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Bromodichloromethane	ND	*	5.2	0.69	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Bromoform	ND	*	5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Bromomethane	ND	*	5.2	0.47	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Carbon disulfide	ND	*	5.2	2.6	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Carbon tetrachloride	ND	*	5.2	0.50	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Chlorobenzene	ND	*	5.2	0.68	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Chloroethane	ND	*	5.2	1.2	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Chloroform	**1.6**	**J ***	5.2	0.32	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Chloromethane	ND	*	5.2	0.31	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
cis-1,2-Dichloroethene	**4.5**	**J ***	5.2	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
cis-1,3-Dichloropropene	ND	*	5.2	0.75	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Cyclohexane	ND	*	5.2	0.73	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Dibromochloromethane	ND	*	5.2	0.66	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Dichlorodifluoromethane	ND	*	5.2	0.43	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Ethylbenzene	ND	*	5.2	0.36	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Isopropylbenzene	ND	*	5.2	0.78	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Methyl acetate	ND	*	5.2	3.1	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Methyl tert-butyl ether	ND	*	5.2	0.51	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Methylcyclohexane	ND	*	5.2	0.79	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Methylene Chloride	**120**	*****	5.2	2.4	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Styrene	ND	*	5.2	0.26	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Tetrachloroethene	ND	*	5.2	0.70	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Toluene	ND	*	5.2	0.39	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
trans-1,2-Dichloroethene	ND	*	5.2	0.53	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
trans-1,3-Dichloropropene	ND	*	5.2	2.3	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Trichloroethene	**3.4**	**J ***	5.2	1.1	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Trichlorofluoromethane	ND	*	5.2	0.49	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Vinyl chloride	ND	*	5.2	0.63	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1
Xylenes, Total	ND		10	0.87	ug/Kg	☼	06/14/16 08:57	06/14/16 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*	*	*64 - 126*	*06/14/16 08:57*	*06/14/16 16:25*	*1*
4-Bromofluorobenzene (Surr)	*40*	*X **	*72 - 126*	*06/14/16 08:57*	*06/14/16 16:25*	*1*
Toluene-d8 (Surr)	*141*	*X **	*71 - 125*	*06/14/16 08:57*	*06/14/16 16:25*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS

Prep: 5035

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	5.0	0.36	ug/Kg	8260C
1,1,2,2-Tetrachloroethane	5.0	0.81	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	1.1	ug/Kg	8260C
1,1,2-Trichloroethane	5.0	0.65	ug/Kg	8260C
1,1-Dichloroethane	5.0	0.61	ug/Kg	8260C
1,1-Dichloroethene	5.0	0.61	ug/Kg	8260C
1,2,4-Trichlorobenzene	5.0	0.30	ug/Kg	8260C
1,2-Dibromo-3-Chloropropane	5.0	2.5	ug/Kg	8260C
1,2-Dibromoethane	5.0	0.64	ug/Kg	8260C
1,2-Dichlorobenzene	5.0	0.39	ug/Kg	8260C
1,2-Dichloroethane	5.0	0.25	ug/Kg	8260C
1,2-Dichloropropane	5.0	2.5	ug/Kg	8260C
1,3-Dichlorobenzene	5.0	0.26	ug/Kg	8260C
1,4-Dichlorobenzene	5.0	0.70	ug/Kg	8260C
2-Butanone (MEK)	25	1.8	ug/Kg	8260C
2-Hexanone	25	2.5	ug/Kg	8260C
4-Methyl-2-pentanone (MIBK)	25	1.6	ug/Kg	8260C
Acetone	25	4.2	ug/Kg	8260C
Benzene	5.0	0.25	ug/Kg	8260C
Bromodichloromethane	5.0	0.67	ug/Kg	8260C
Bromoform	5.0	2.5	ug/Kg	8260C
Bromomethane	5.0	0.45	ug/Kg	8260C
Carbon disulfide	5.0	2.5	ug/Kg	8260C
Carbon tetrachloride	5.0	0.48	ug/Kg	8260C
Chlorobenzene	5.0	0.66	ug/Kg	8260C
Chloroethane	5.0	1.1	ug/Kg	8260C
Chloroform	5.0	0.31	ug/Kg	8260C
Chloromethane	5.0	0.30	ug/Kg	8260C
cis-1,2-Dichloroethene	5.0	0.64	ug/Kg	8260C
cis-1,3-Dichloropropene	5.0	0.72	ug/Kg	8260C
Cyclohexane	5.0	0.70	ug/Kg	8260C
Dibromochloromethane	5.0	0.64	ug/Kg	8260C
Dichlorodifluoromethane	5.0	0.41	ug/Kg	8260C
Ethylbenzene	5.0	0.35	ug/Kg	8260C
Isopropylbenzene	5.0	0.75	ug/Kg	8260C
Methyl acetate	5.0	3.0	ug/Kg	8260C
Methyl tert-butyl ether	5.0	0.49	ug/Kg	8260C
Methylcyclohexane	5.0	0.76	ug/Kg	8260C
Methylene Chloride	5.0	2.3	ug/Kg	8260C
Styrene	5.0	0.25	ug/Kg	8260C
Tetrachloroethene	5.0	0.67	ug/Kg	8260C
Toluene	5.0	0.38	ug/Kg	8260C
trans-1,2-Dichloroethene	5.0	0.52	ug/Kg	8260C
trans-1,3-Dichloropropene	5.0	2.2	ug/Kg	8260C
Trichloroethene	5.0	1.1	ug/Kg	8260C
Trichlorofluoromethane	5.0	0.47	ug/Kg	8260C
Vinyl chloride	5.0	0.61	ug/Kg	8260C
Xylenes, Total	10	0.84	ug/Kg	8260C

Method: 8260C - Volatile Organic Compounds by GC/MS

Prep: 5035A

Method: 8260C - Volatile Organic Compounds by GC/MS

Prep: 5035A

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	100	28	ug/Kg	8260C
1,1,2,2-Tetrachloroethane	100	16	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane	100	50	ug/Kg	8260C
1,1,2-Trichloroethane	100	21	ug/Kg	8260C
1,1-Dichloroethane	100	31	ug/Kg	8260C
1,1-Dichloroethene	100	35	ug/Kg	8260C
1,2,4-Trichlorobenzene	100	38	ug/Kg	8260C
1,2-Dibromo-3-Chloropropane	100	50	ug/Kg	8260C
1,2-Dibromoethane	100	18	ug/Kg	8260C
1,2-Dichlorobenzene	100	26	ug/Kg	8260C
1,2-Dichloroethane	100	41	ug/Kg	8260C
1,2-Dichloropropane	100	16	ug/Kg	8260C
1,3-Dichlorobenzene	100	27	ug/Kg	8260C
1,4-Dichlorobenzene	100	14	ug/Kg	8260C
2-Butanone (MEK)	500	300	ug/Kg	8260C
2-Hexanone	500	210	ug/Kg	8260C
4-Methyl-2-pentanone (MIBK)	500	32	ug/Kg	8260C
Acetone	500	410	ug/Kg	8260C
Benzene	100	19	ug/Kg	8260C
Bromodichloromethane	100	20	ug/Kg	8260C
Bromoform	100	50	ug/Kg	8260C
Bromomethane	100	22	ug/Kg	8260C
Carbon disulfide	100	46	ug/Kg	8260C
Carbon tetrachloride	100	26	ug/Kg	8260C
Chlorobenzene	100	13	ug/Kg	8260C
Chloroethane	100	21	ug/Kg	8260C
Chloroform	100	69	ug/Kg	8260C
Chloromethane	100	24	ug/Kg	8260C
cis-1,2-Dichloroethene	100	28	ug/Kg	8260C
cis-1,3-Dichloropropene	100	24	ug/Kg	8260C
Cyclohexane	100	22	ug/Kg	8260C
Dibromochloromethane	100	48	ug/Kg	8260C
Dichlorodifluoromethane	100	44	ug/Kg	8260C
Ethylbenzene	100	29	ug/Kg	8260C
Isopropylbenzene	100	15	ug/Kg	8260C
Methyl acetate	100	48	ug/Kg	8260C
Methyl tert-butyl ether	100	38	ug/Kg	8260C
Methylcyclohexane	100	47	ug/Kg	8260C
Methylene Chloride	100	20	ug/Kg	8260C
Styrene	100	24	ug/Kg	8260C
Tetrachloroethene	100	13	ug/Kg	8260C
Toluene	100	27	ug/Kg	8260C
trans-1,2-Dichloroethene	100	24	ug/Kg	8260C
trans-1,3-Dichloropropene	100	9.8	ug/Kg	8260C
Trichloroethene	100	28	ug/Kg	8260C
Trichlorofluoromethane	100	47	ug/Kg	8260C
Vinyl chloride	100	34	ug/Kg	8260C
Xylenes, Total	200	55	ug/Kg	8260C

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Prep: 3510C

Default Detection Limits

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Prep: 3510C

Analyte	RL	MDL	Units	Method
PCB-1016	0.50	0.18	ug/L	8082A
PCB-1221	0.50	0.18	ug/L	8082A
PCB-1232	0.50	0.18	ug/L	8082A
PCB-1242	0.50	0.18	ug/L	8082A
PCB-1248	0.50	0.18	ug/L	8082A
PCB-1254	0.50	0.25	ug/L	8082A
PCB-1260	0.50	0.25	ug/L	8082A

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Prep: 3550C

Analyte	RL	MDL	Units	Method
PCB-1016	0.25	0.049	mg/Kg	8082A
PCB-1221	0.25	0.049	mg/Kg	8082A
PCB-1232	0.25	0.049	mg/Kg	8082A
PCB-1242	0.25	0.049	mg/Kg	8082A
PCB-1248	0.25	0.049	mg/Kg	8082A
PCB-1254	0.25	0.12	mg/Kg	8082A
PCB-1260	0.25	0.12	mg/Kg	8082A

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (64-126)	BFB (72-126)	TOL (71-125)
480-101258-23	B111-AREA2-S1	108	51 X *	143 X *
480-101258-24	B111-AREA2-S2	113	49 X *	145 X *
480-101258-25	B112-AREA2-S1	104	58 X	122
480-101258-26	B112-AREA2-S2	116	48 X *	149 X *
480-101258-27	B113-AREA2-S1	108	53 X *	129 X *
480-101258-28	B113-AREA2-S2	112 *	46 X *	148 X *
480-101258-29	B114-AREA2-S1	103	52 X *	136 X *
480-101258-30	B114-AREA2-S2	104	87	98
480-101258-31	B101-AREA2-S1	112	51 X *	143 X *
480-101258-32	B101-AREA2-S2	116	46 X *	142 X *
480-101258-33	B102-AREA2-S1	106	58 X	106
480-101258-34	B102-AREA2-S2	108	48 X	122
480-101258-35	B103-AREA2-S1	102	64 X	101
480-101258-36	B103-AREA2-S2	105	48 X *	139 X *
480-101258-37	B109-AREA2-S1	98	81	104
480-101258-38	B109-AREA2-S2	104	90	94
480-101258-39	B110-AREA2-S1	98	73	106
480-101258-40	B110-AREA2-S2	105	89	98
480-101258-41	B115-AREA2-S1	103	92	98
480-101258-42	B115-AREA2-S2	103	51 X *	135 X *
480-101258-43	B-AREA2-DUP5	104 *	40 X *	141 X *
LCS 480-306491/1-A	Lab Control Sample	105	100	96
LCS 480-306571/1-A	Lab Control Sample	101	101	94
MB 480-306491/2-A	Method Blank	101	96	96
MB 480-306571/2-A	Method Blank	103	101	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (53-146)	BFB (49-148)	TOL (50-149)
480-101258-33 - DL	B102-AREA2-S1	104	110	93
480-101258-35 - DL	B103-AREA2-S1	104	110	92
480-101258-36 - DL	B103-AREA2-S2	107	112	92
480-101258-39 - DL	B110-AREA2-S1	103	102	94
480-101258-41 - DL	B115-AREA2-S1	104	109	99
LCS 480-306673/1-A	Lab Control Sample	98	105	96
MB 480-306673/2-A	Method Blank	103	108	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-101258-1	SS21-9	102	86
480-101258-2	SS21-10	97	82
480-101258-3	SS21-11	103	93
480-101258-4	SS21-12	104	98
480-101258-5	SS21-13	102	96
480-101258-6	SS21-14	103	96
480-101258-7	SS21-15	108	97
480-101258-8	SS21-16	106	106
480-101258-9	SS20-9	120	115
480-101258-10	SS20-10	128	121
480-101258-11	SS20-11	137	141
480-101258-12	SS20-12	127	118
480-101258-13	SS20-13	131	123
480-101258-14	SS7-9	145	140
480-101258-15	SS7-10	151	145
480-101258-16	SS7-11	154	152
480-101258-17	SS7-12	152	152
480-101258-18	SS7-13	148	153
480-101258-19	SS7-14	147	154
480-101258-20	SS7-15	122	123
480-101258-20 MS	SS7-15	153	150
480-101258-20 MSD	SS7-15	141	137
480-101258-21	SS7-DUP2	150	153
LCS 480-305614/2-A	Lab Control Sample	129	131
LCS 480-305616/2-A	Lab Control Sample	144	146
MB 480-305614/1-A	Method Blank	115	135
MB 480-305616/1-A	Method Blank	134	140

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(24-137)	(19-125)
480-101258-22	SS-RINSEBLANK2	91	55
480-101258-22 MS	SS-RINSEBLANK2	91	49
480-101258-22 MSD	SS-RINSEBLANK2	91	38
LCS 480-305701/2-A	Lab Control Sample	64	29
MB 480-305701/1-A	Method Blank	82	46

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-306491/2-A
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
2-Hexanone	ND		25	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Acetone	ND		25	4.2	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Benzene	ND		5.0	0.24	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Bromoform	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chloroform	ND		5.0	0.31	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Cyclohexane	ND		5.0	0.70	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methyl acetate	ND		5.0	3.0	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Styrene	ND		5.0	0.25	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Toluene	ND		5.0	0.38	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		06/13/16 21:05	06/14/16 01:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*06/13/16 21:05*	*06/14/16 01:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*06/13/16 21:05*	*06/14/16 01:00*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*06/13/16 21:05*	*06/14/16 01:00*	*1*

Lab Sample ID: LCS 480-306491/1-A
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	48.4	52.7		ug/Kg		109	77 - 121
1,1,2,2-Tetrachloroethane	48.4	48.2		ug/Kg		100	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	48.4	47.1		ug/Kg		97	60 - 140
1,1,2-Trichloroethane	48.4	46.3		ug/Kg		95	78 - 122
1,1-Dichloroethane	48.4	47.8		ug/Kg		99	73 - 126
1,1-Dichloroethene	48.4	46.3		ug/Kg		96	59 - 125
1,2,4-Trichlorobenzene	48.4	46.1		ug/Kg		95	64 - 120
1,2-Dibromo-3-Chloropropane	48.4	53.9		ug/Kg		111	63 - 124
1,2-Dibromoethane	48.4	48.9		ug/Kg		101	78 - 120
1,2-Dichlorobenzene	48.4	47.6		ug/Kg		98	75 - 120
1,2-Dichloroethane	48.4	52.6		ug/Kg		109	77 - 122
1,2-Dichloropropane	48.4	45.7		ug/Kg		94	75 - 124
1,3-Dichlorobenzene	48.4	48.1		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	48.4	47.3		ug/Kg		98	73 - 120
2-Butanone (MEK)	242	259		ug/Kg		107	70 - 134
2-Hexanone	242	245		ug/Kg		101	59 - 130
4-Methyl-2-pentanone (MIBK)	242	238		ug/Kg		98	65 - 133
Acetone	242	288		ug/Kg		119	61 - 137
Benzene	48.4	47.7		ug/Kg		98	79 - 127
Bromodichloromethane	48.4	51.2		ug/Kg		106	80 - 122
Bromoform	48.4	50.2		ug/Kg		104	68 - 126
Bromomethane	48.4	43.7		ug/Kg		90	37 - 149
Carbon disulfide	48.4	46.2		ug/Kg		95	64 - 131
Carbon tetrachloride	48.4	53.8		ug/Kg		111	75 - 135
Chlorobenzene	48.4	46.6		ug/Kg		96	76 - 124
Chloroethane	48.4	44.1		ug/Kg		91	69 - 135
Chloroform	48.4	50.3		ug/Kg		104	80 - 118
Chloromethane	48.4	42.4		ug/Kg		87	63 - 127
cis-1,2-Dichloroethene	48.4	47.5		ug/Kg		98	81 - 117
cis-1,3-Dichloropropene	48.4	49.2		ug/Kg		101	82 - 120
Cyclohexane	48.4	45.4		ug/Kg		94	65 - 106
Dibromochloromethane	48.4	50.2		ug/Kg		104	76 - 125
Dichlorodifluoromethane	48.4	58.3		ug/Kg		120	57 - 142
Ethylbenzene	48.4	47.3		ug/Kg		98	80 - 120
Isopropylbenzene	48.4	47.9		ug/Kg		99	72 - 120
Methyl acetate	242	248		ug/Kg		102	55 - 136
Methyl tert-butyl ether	48.4	50.2		ug/Kg		104	63 - 125
Methylcyclohexane	48.4	45.8		ug/Kg		95	60 - 140
Methylene Chloride	48.4	48.3		ug/Kg		100	61 - 127
Styrene	48.4	46.7		ug/Kg		96	80 - 120
Tetrachloroethene	48.4	47.4		ug/Kg		98	74 - 122
Toluene	48.4	46.2		ug/Kg		95	74 - 128
trans-1,2-Dichloroethene	48.4	47.7		ug/Kg		99	78 - 126
trans-1,3-Dichloropropene	48.4	48.6		ug/Kg		100	73 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306491/1-A
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	48.4	49.7		ug/Kg		103	77 - 129
Trichlorofluoromethane	48.4	51.8		ug/Kg		107	65 - 146
Vinyl chloride	48.4	42.8		ug/Kg		88	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*
Toluene-d8 (Surr)	*96*		*71 - 125*

Lab Sample ID: MB 480-306571/2-A
Matrix: Solid
Analysis Batch: 306570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,2-Dichlorobenzene	ND		4.9	0.39	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
2-Hexanone	ND		25	2.5	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Acetone	ND		25	4.2	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Benzene	ND		4.9	0.24	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Bromoform	ND		4.9	2.5	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Bromomethane	ND		4.9	0.44	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Carbon disulfide	ND		4.9	2.5	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Chlorobenzene	ND		4.9	0.65	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Chloroethane	ND		4.9	1.1	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Chloroform	ND		4.9	0.30	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Chloromethane	ND		4.9	0.30	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Cyclohexane	ND		4.9	0.69	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Ethylbenzene	ND		4.9	0.34	ug/Kg		06/14/16 08:57	06/14/16 11:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-306571/2-A
Matrix: Solid
Analysis Batch: 306570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		4.9	0.74	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Methyl acetate	ND		4.9	3.0	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Methyl tert-butyl ether	ND		4.9	0.48	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Methylene Chloride	ND		4.9	2.3	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Styrene	ND		4.9	0.25	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Toluene	ND		4.9	0.37	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Trichloroethene	ND		4.9	1.1	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Trichlorofluoromethane	ND		4.9	0.47	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Vinyl chloride	ND		4.9	0.60	ug/Kg		06/14/16 08:57	06/14/16 11:59	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		06/14/16 08:57	06/14/16 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*06/14/16 08:57*	*06/14/16 11:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*06/14/16 08:57*	*06/14/16 11:59*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*06/14/16 08:57*	*06/14/16 11:59*	*1*

Lab Sample ID: LCS 480-306571/1-A
Matrix: Solid
Analysis Batch: 306570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	49.5	51.6		ug/Kg		104	77 - 121
1,1,2,2-Tetrachloroethane	49.5	48.2		ug/Kg		97	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	49.5	49.0		ug/Kg		99	60 - 140
1,1,2-Trichloroethane	49.5	46.9		ug/Kg		95	78 - 122
1,1-Dichloroethane	49.5	45.7		ug/Kg		92	73 - 126
1,1-Dichloroethene	49.5	47.8		ug/Kg		97	59 - 125
1,2,4-Trichlorobenzene	49.5	46.0		ug/Kg		93	64 - 120
1,2-Dibromo-3-Chloropropane	49.5	54.7		ug/Kg		110	63 - 124
1,2-Dibromoethane	49.5	49.1		ug/Kg		99	78 - 120
1,2-Dichlorobenzene	49.5	46.6		ug/Kg		94	75 - 120
1,2-Dichloroethane	49.5	51.1		ug/Kg		103	77 - 122
1,2-Dichloropropane	49.5	43.7		ug/Kg		88	75 - 124
1,3-Dichlorobenzene	49.5	45.7		ug/Kg		92	74 - 120
1,4-Dichlorobenzene	49.5	45.5		ug/Kg		92	73 - 120
2-Butanone (MEK)	248	267		ug/Kg		108	70 - 134
2-Hexanone	248	251		ug/Kg		101	59 - 130
4-Methyl-2-pentanone (MIBK)	248	250		ug/Kg		101	65 - 133
Acetone	248	306		ug/Kg		124	61 - 137
Benzene	49.5	45.5		ug/Kg		92	79 - 127
Bromodichloromethane	49.5	49.7		ug/Kg		100	80 - 122
Bromoform	49.5	50.2		ug/Kg		101	68 - 126
Bromomethane	49.5	46.1		ug/Kg		93	37 - 149

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306571/1-A
Matrix: Solid
Analysis Batch: 306570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	49.5	44.6		ug/Kg		90	64 - 131
Carbon tetrachloride	49.5	51.6		ug/Kg		104	75 - 135
Chlorobenzene	49.5	44.9		ug/Kg		91	76 - 124
Chloroethane	49.5	45.6		ug/Kg		92	69 - 135
Chloroform	49.5	49.1		ug/Kg		99	80 - 118
Chloromethane	49.5	41.5		ug/Kg		84	63 - 127
cis-1,2-Dichloroethene	49.5	46.4		ug/Kg		94	81 - 117
cis-1,3-Dichloropropene	49.5	46.6		ug/Kg		94	82 - 120
Cyclohexane	49.5	42.6		ug/Kg		86	65 - 106
Dibromochloromethane	49.5	49.6		ug/Kg		100	76 - 125
Dichlorodifluoromethane	49.5	51.0		ug/Kg		103	57 - 142
Ethylbenzene	49.5	45.6		ug/Kg		92	80 - 120
Isopropylbenzene	49.5	45.7		ug/Kg		92	72 - 120
Methyl acetate	248	252		ug/Kg		102	55 - 136
Methyl tert-butyl ether	49.5	50.8		ug/Kg		103	63 - 125
Methylcyclohexane	49.5	44.6		ug/Kg		90	60 - 140
Methylene Chloride	49.5	48.2		ug/Kg		97	61 - 127
Styrene	49.5	44.7		ug/Kg		90	80 - 120
Tetrachloroethene	49.5	45.2		ug/Kg		91	74 - 122
Toluene	49.5	44.6		ug/Kg		90	74 - 128
trans-1,2-Dichloroethene	49.5	45.7		ug/Kg		92	78 - 126
trans-1,3-Dichloropropene	49.5	48.3		ug/Kg		97	73 - 123
Trichloroethene	49.5	47.2		ug/Kg		95	77 - 129
Trichlorofluoromethane	49.5	51.8		ug/Kg		105	65 - 146
Vinyl chloride	49.5	42.1		ug/Kg		85	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Toluene-d8 (Surr)	*94*		*71 - 125*

Lab Sample ID: MB 480-306673/2-A
Matrix: Solid
Analysis Batch: 306675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		96	27	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,1,2,2-Tetrachloroethane	ND		96	16	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		96	48	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,1,2-Trichloroethane	ND		96	20	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,1-Dichloroethane	ND		96	30	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,1-Dichloroethene	ND		96	33	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,2,4-Trichlorobenzene	ND		96	36	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,2-Dibromo-3-Chloropropane	ND		96	48	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,2-Dibromoethane	ND		96	17	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,2-Dichlorobenzene	ND		96	24	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,2-Dichloroethane	ND		96	39	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,2-Dichloropropane	ND		96	16	ug/Kg		06/14/16 18:51	06/14/16 23:51	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-306673/2-A
Matrix: Solid
Analysis Batch: 306675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306673

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		96	26	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
1,4-Dichlorobenzene	ND		96	13	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
2-Butanone (MEK)	ND		480	290	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
2-Hexanone	ND		480	200	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
4-Methyl-2-pentanone (MIBK)	ND		480	31	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Acetone	ND		480	390	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Benzene	ND		96	18	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Bromodichloromethane	ND		96	19	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Bromoform	ND		96	48	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Bromomethane	ND		96	21	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Carbon disulfide	ND		96	44	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Carbon tetrachloride	ND		96	24	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Chlorobenzene	ND		96	13	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Chloroethane	ND		96	20	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Chloroform	ND		96	66	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Chloromethane	ND		96	23	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
cis-1,2-Dichloroethene	ND		96	26	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
cis-1,3-Dichloropropene	ND		96	23	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Cyclohexane	ND		96	21	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Dibromochloromethane	ND		96	46	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Dichlorodifluoromethane	ND		96	42	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Ethylbenzene	ND		96	28	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Isopropylbenzene	ND		96	14	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Methyl acetate	ND		96	46	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Methyl tert-butyl ether	ND		96	36	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Methylcyclohexane	ND		96	45	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Methylene Chloride	ND		96	19	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Styrene	ND		96	23	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Tetrachloroethene	ND		96	13	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Toluene	ND		96	26	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
trans-1,2-Dichloroethene	ND		96	23	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
trans-1,3-Dichloropropene	ND		96	9.4	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Trichloroethene	ND		96	27	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Trichlorofluoromethane	ND		96	45	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Vinyl chloride	ND		96	32	ug/Kg		06/14/16 18:51	06/14/16 23:51	1
Xylenes, Total	ND		190	53	ug/Kg		06/14/16 18:51	06/14/16 23:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*06/14/16 18:51*	*06/14/16 23:51*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*06/14/16 18:51*	*06/14/16 23:51*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*06/14/16 18:51*	*06/14/16 23:51*	*1*

Lab Sample ID: LCS 480-306673/1-A
Matrix: Solid
Analysis Batch: 306675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2440	3120		ug/Kg		128	68 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306673/1-A
Matrix: Solid
Analysis Batch: 306675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306673

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	2440	2300		ug/Kg		94	73 - 119
1,1,2-Trichloro-1,2,2-trifluoroethane	2440	3070		ug/Kg		126	10 - 179
1,1,2-Trichloroethane	2440	2660		ug/Kg		109	81 - 115
1,1-Dichloroethane	2440	2700		ug/Kg		111	78 - 121
1,1-Dichloroethene	2440	2710		ug/Kg		111	48 - 133
1,2,4-Trichlorobenzene	2440	2350		ug/Kg		97	70 - 140
1,2-Dibromo-3-Chloropropane	2440	2070		ug/Kg		85	56 - 122
1,2-Dibromoethane	2440	2660		ug/Kg		109	81 - 119
1,2-Dichlorobenzene	2440	2370		ug/Kg		97	78 - 125
1,2-Dichloroethane	2440	2650		ug/Kg		109	74 - 127
1,2-Dichloropropane	2440	2820	*	ug/Kg		116	81 - 115
1,3-Dichlorobenzene	2440	2460		ug/Kg		101	82 - 114
1,4-Dichlorobenzene	2440	2410		ug/Kg		99	81 - 113
2-Butanone (MEK)	12200	13700		ug/Kg		113	54 - 149
2-Hexanone	12200	14700		ug/Kg		120	59 - 127
4-Methyl-2-pentanone (MIBK)	12200	12800		ug/Kg		105	74 - 120
Acetone	12200	10600		ug/Kg		87	47 - 141
Benzene	2440	2640		ug/Kg		108	77 - 125
Bromodichloromethane	2440	2630		ug/Kg		108	71 - 121
Bromoform	2440	2810		ug/Kg		115	48 - 125
Bromomethane	2440	1920		ug/Kg		79	39 - 149
Carbon disulfide	2440	2610		ug/Kg		107	40 - 136
Carbon tetrachloride	2440	3230		ug/Kg		133	54 - 135
Chlorobenzene	2440	2740		ug/Kg		112	76 - 126
Chloroethane	2440	2210		ug/Kg		91	23 - 164
Chloroform	2440	2590		ug/Kg		106	78 - 118
Chloromethane	2440	2600		ug/Kg		107	61 - 124
cis-1,2-Dichloroethene	2440	2480		ug/Kg		102	79 - 124
cis-1,3-Dichloropropene	2440	2590		ug/Kg		106	75 - 121
Cyclohexane	2440	3230	*	ug/Kg		133	49 - 129
Dibromochloromethane	2440	2820		ug/Kg		116	64 - 118
Dichlorodifluoromethane	2440	2820		ug/Kg		116	10 - 150
Ethylbenzene	2440	2570		ug/Kg		105	78 - 124
Isopropylbenzene	2440	2630		ug/Kg		108	76 - 119
Methyl acetate	12200	14200		ug/Kg		117	71 - 123
Methyl tert-butyl ether	2440	2590		ug/Kg		106	67 - 137
Methylcyclohexane	2440	2840		ug/Kg		117	50 - 130
Methylene Chloride	2440	2560		ug/Kg		105	75 - 118
Styrene	2440	2680		ug/Kg		110	84 - 119
Tetrachloroethene	2440	2870		ug/Kg		118	73 - 133
Toluene	2440	2720		ug/Kg		111	75 - 124
trans-1,2-Dichloroethene	2440	2790		ug/Kg		114	74 - 129
trans-1,3-Dichloropropene	2440	2650		ug/Kg		109	73 - 118
Trichloroethene	2440	2830		ug/Kg		116	75 - 131
Trichlorofluoromethane	2440	3090		ug/Kg		127	29 - 158
Vinyl chloride	2440	2630		ug/Kg		108	59 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306673/1-A
Matrix: Solid
Analysis Batch: 306675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306673

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Toluene-d8 (Surr)	*96*		*50 - 149*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-305614/1-A
Matrix: Solid
Analysis Batch: 305726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.040	mg/Kg		06/08/16 10:08	06/08/16 18:27	1
PCB-1221	ND		0.20	0.040	mg/Kg		06/08/16 10:08	06/08/16 18:27	1
PCB-1232	ND		0.20	0.040	mg/Kg		06/08/16 10:08	06/08/16 18:27	1
PCB-1242	ND		0.20	0.040	mg/Kg		06/08/16 10:08	06/08/16 18:27	1
PCB-1248	ND		0.20	0.040	mg/Kg		06/08/16 10:08	06/08/16 18:27	1
PCB-1254	ND		0.20	0.096	mg/Kg		06/08/16 10:08	06/08/16 18:27	1
PCB-1260	ND		0.20	0.096	mg/Kg		06/08/16 10:08	06/08/16 18:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*115*		*60 - 154*	*06/08/16 10:08*	*06/08/16 18:27*	*1*
DCB Decachlorobiphenyl	*135*		*65 - 174*	*06/08/16 10:08*	*06/08/16 18:27*	*1*

Lab Sample ID: LCS 480-305614/2-A
Matrix: Solid
Analysis Batch: 305726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305614

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			2.43	3.10		mg/Kg		128	51 - 185		
PCB-1260			2.43	3.24		mg/Kg		133	61 - 184		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*129*		*60 - 154*
DCB Decachlorobiphenyl	*131*		*65 - 174*

Lab Sample ID: MB 480-305616/1-A
Matrix: Solid
Analysis Batch: 305722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg		06/08/16 10:13	06/08/16 23:26	1
PCB-1221	ND		0.23	0.045	mg/Kg		06/08/16 10:13	06/08/16 23:26	1
PCB-1232	ND		0.23	0.045	mg/Kg		06/08/16 10:13	06/08/16 23:26	1
PCB-1242	ND		0.23	0.045	mg/Kg		06/08/16 10:13	06/08/16 23:26	1
PCB-1248	ND		0.23	0.045	mg/Kg		06/08/16 10:13	06/08/16 23:26	1
PCB-1254	ND		0.23	0.11	mg/Kg		06/08/16 10:13	06/08/16 23:26	1
PCB-1260	ND		0.23	0.11	mg/Kg		06/08/16 10:13	06/08/16 23:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-305616/1-A
Matrix: Solid
Analysis Batch: 305722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305616

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	134		60 - 154	06/08/16 10:13	06/08/16 23:26	1
DCB Decachlorobiphenyl	140		65 - 174	06/08/16 10:13	06/08/16 23:26	1

Lab Sample ID: LCS 480-305616/2-A
Matrix: Solid
Analysis Batch: 305722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305616

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.98	2.49		mg/Kg		126	51 - 185		
PCB-1260			1.98	2.89		mg/Kg		146	61 - 184		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	144		60 - 154
DCB Decachlorobiphenyl	146		65 - 174

Lab Sample ID: 480-101258-20 MS
Matrix: Solid
Analysis Batch: 305722

Client Sample ID: SS7-15
Prep Type: Total/NA
Prep Batch: 305616

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		2.41	3.35		mg/Kg	☼	139	50 - 177		
PCB-1260	ND		2.41	4.41		mg/Kg	☼	183	33 - 200		

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	153		60 - 154
DCB Decachlorobiphenyl	150		65 - 174

Lab Sample ID: 480-101258-20 MSD
Matrix: Solid
Analysis Batch: 305722

Client Sample ID: SS7-15
Prep Type: Total/NA
Prep Batch: 305616

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.49	2.84		mg/Kg	☼	114	50 - 177	16	50
PCB-1260	ND		2.49	3.95		mg/Kg	☼	159	33 - 200	11	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	141		60 - 154
DCB Decachlorobiphenyl	137		65 - 174

Lab Sample ID: MB 480-305701/1-A
Matrix: Water
Analysis Batch: 305726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 02:32	1
PCB-1221	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 02:32	1
PCB-1232	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 02:32	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-305701/1-A
Matrix: Water
Analysis Batch: 305726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 02:32	1
PCB-1248	ND		0.50	0.18	ug/L		06/08/16 15:12	06/09/16 02:32	1
PCB-1254	ND		0.50	0.25	ug/L		06/08/16 15:12	06/09/16 02:32	1
PCB-1260	ND		0.50	0.25	ug/L		06/08/16 15:12	06/09/16 02:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*24 - 137*	*06/08/16 15:12*	*06/09/16 02:32*	*1*
DCB Decachlorobiphenyl	*46*		*19 - 125*	*06/08/16 15:12*	*06/09/16 02:32*	*1*

Lab Sample ID: LCS 480-305701/2-A
Matrix: Water
Analysis Batch: 305726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305701

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	2.78		ug/L		70	62 - 130		
PCB-1260			4.00	2.39		ug/L		60	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*64*		*24 - 137*
DCB Decachlorobiphenyl	*29*		*19 - 125*

Lab Sample ID: 480-101258-22 MS
Matrix: Water
Analysis Batch: 305726

Client Sample ID: SS-RINSEBLANK2
Prep Type: Total/NA
Prep Batch: 305701

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		4.00	3.86		ug/L		97	28 - 165		
PCB-1260	ND		4.00	3.40		ug/L		85	20 - 141		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*91*		*24 - 137*
DCB Decachlorobiphenyl	*49*		*19 - 125*

Lab Sample ID: 480-101258-22 MSD
Matrix: Water
Analysis Batch: 305726

Client Sample ID: SS-RINSEBLANK2
Prep Type: Total/NA
Prep Batch: 305701

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.90		ug/L		98	28 - 165	1	50
PCB-1260	ND		4.00	3.34		ug/L		83	20 - 141	2	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*91*		*24 - 137*
DCB Decachlorobiphenyl	*38*		*19 - 125*

GC/MS VOA

Analysis Batch: 306490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-23	B111-AREA2-S1	Total/NA	Solid	8260C	306491
480-101258-24	B111-AREA2-S2	Total/NA	Solid	8260C	306491
480-101258-25	B112-AREA2-S1	Total/NA	Solid	8260C	306491
480-101258-26	B112-AREA2-S2	Total/NA	Solid	8260C	306491
480-101258-27	B113-AREA2-S1	Total/NA	Solid	8260C	306491
480-101258-28	B113-AREA2-S2	Total/NA	Solid	8260C	306491
480-101258-29	B114-AREA2-S1	Total/NA	Solid	8260C	306491
480-101258-30	B114-AREA2-S2	Total/NA	Solid	8260C	306491
480-101258-31	B101-AREA2-S1	Total/NA	Solid	8260C	306491
480-101258-32	B101-AREA2-S2	Total/NA	Solid	8260C	306491
480-101258-33	B102-AREA2-S1	Total/NA	Solid	8260C	306491
LCS 480-306491/1-A	Lab Control Sample	Total/NA	Solid	8260C	306491
MB 480-306491/2-A	Method Blank	Total/NA	Solid	8260C	306491

Prep Batch: 306491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-23	B111-AREA2-S1	Total/NA	Solid	5035	
480-101258-24	B111-AREA2-S2	Total/NA	Solid	5035	
480-101258-25	B112-AREA2-S1	Total/NA	Solid	5035	
480-101258-26	B112-AREA2-S2	Total/NA	Solid	5035	
480-101258-27	B113-AREA2-S1	Total/NA	Solid	5035	
480-101258-28	B113-AREA2-S2	Total/NA	Solid	5035	
480-101258-29	B114-AREA2-S1	Total/NA	Solid	5035	
480-101258-30	B114-AREA2-S2	Total/NA	Solid	5035	
480-101258-31	B101-AREA2-S1	Total/NA	Solid	5035	
480-101258-32	B101-AREA2-S2	Total/NA	Solid	5035	
480-101258-33	B102-AREA2-S1	Total/NA	Solid	5035	
LCS 480-306491/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-306491/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 306570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-34	B102-AREA2-S2	Total/NA	Solid	8260C	306571
480-101258-35	B103-AREA2-S1	Total/NA	Solid	8260C	306571
480-101258-36	B103-AREA2-S2	Total/NA	Solid	8260C	306571
480-101258-37	B109-AREA2-S1	Total/NA	Solid	8260C	306571
480-101258-38	B109-AREA2-S2	Total/NA	Solid	8260C	306571
480-101258-39	B110-AREA2-S1	Total/NA	Solid	8260C	306571
480-101258-40	B110-AREA2-S2	Total/NA	Solid	8260C	306571
480-101258-41	B115-AREA2-S1	Total/NA	Solid	8260C	306571
480-101258-42	B115-AREA2-S2	Total/NA	Solid	8260C	306571
480-101258-43	B-AREA2-DUP5	Total/NA	Solid	8260C	306571
LCS 480-306571/1-A	Lab Control Sample	Total/NA	Solid	8260C	306571
MB 480-306571/2-A	Method Blank	Total/NA	Solid	8260C	306571

Prep Batch: 306571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-34	B102-AREA2-S2	Total/NA	Solid	5035	
480-101258-35	B103-AREA2-S1	Total/NA	Solid	5035	
480-101258-36	B103-AREA2-S2	Total/NA	Solid	5035	
480-101258-37	B109-AREA2-S1	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 306571 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-38	B109-AREA2-S2	Total/NA	Solid	5035	
480-101258-39	B110-AREA2-S1	Total/NA	Solid	5035	
480-101258-40	B110-AREA2-S2	Total/NA	Solid	5035	
480-101258-41	B115-AREA2-S1	Total/NA	Solid	5035	
480-101258-42	B115-AREA2-S2	Total/NA	Solid	5035	
480-101258-43	B-AREA2-DUP5	Total/NA	Solid	5035	
LCS 480-306571/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-306571/2-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 306673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-33 - DL	B102-AREA2-S1	Total/NA	Solid	5035A	
480-101258-35 - DL	B103-AREA2-S1	Total/NA	Solid	5035A	
480-101258-36 - DL	B103-AREA2-S2	Total/NA	Solid	5035A	
480-101258-39 - DL	B110-AREA2-S1	Total/NA	Solid	5035A	
480-101258-41 - DL	B115-AREA2-S1	Total/NA	Solid	5035A	
LCS 480-306673/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-306673/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 306675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-39 - DL	B110-AREA2-S1	Total/NA	Solid	8260C	306673
480-101258-41 - DL	B115-AREA2-S1	Total/NA	Solid	8260C	306673
LCS 480-306673/1-A	Lab Control Sample	Total/NA	Solid	8260C	306673
MB 480-306673/2-A	Method Blank	Total/NA	Solid	8260C	306673

Analysis Batch: 306755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-33 - DL	B102-AREA2-S1	Total/NA	Solid	8260C	306673
480-101258-35 - DL	B103-AREA2-S1	Total/NA	Solid	8260C	306673
480-101258-36 - DL	B103-AREA2-S2	Total/NA	Solid	8260C	306673

GC Semi VOA

Prep Batch: 305614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-1	SS21-9	Total/NA	Solid	3550C	
480-101258-2	SS21-10	Total/NA	Solid	3550C	
480-101258-3	SS21-11	Total/NA	Solid	3550C	
480-101258-4	SS21-12	Total/NA	Solid	3550C	
480-101258-5	SS21-13	Total/NA	Solid	3550C	
480-101258-6	SS21-14	Total/NA	Solid	3550C	
480-101258-7	SS21-15	Total/NA	Solid	3550C	
480-101258-8	SS21-16	Total/NA	Solid	3550C	
LCS 480-305614/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-305614/1-A	Method Blank	Total/NA	Solid	3550C	

Prep Batch: 305616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-9	SS20-9	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 305616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-10	SS20-10	Total/NA	Solid	3550C	
480-101258-11	SS20-11	Total/NA	Solid	3550C	
480-101258-12	SS20-12	Total/NA	Solid	3550C	
480-101258-13	SS20-13	Total/NA	Solid	3550C	
480-101258-14	SS7-9	Total/NA	Solid	3550C	
480-101258-15	SS7-10	Total/NA	Solid	3550C	
480-101258-16	SS7-11	Total/NA	Solid	3550C	
480-101258-17	SS7-12	Total/NA	Solid	3550C	
480-101258-18	SS7-13	Total/NA	Solid	3550C	
480-101258-19	SS7-14	Total/NA	Solid	3550C	
480-101258-20	SS7-15	Total/NA	Solid	3550C	
480-101258-20 MS	SS7-15	Total/NA	Solid	3550C	
480-101258-20 MSD	SS7-15	Total/NA	Solid	3550C	
480-101258-21	SS7-DUP2	Total/NA	Solid	3550C	
LCS 480-305616/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-305616/1-A	Method Blank	Total/NA	Solid	3550C	

Prep Batch: 305701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-22	SS-RINSEBLANK2	Total/NA	Water	3510C	
480-101258-22 MS	SS-RINSEBLANK2	Total/NA	Water	3510C	
480-101258-22 MSD	SS-RINSEBLANK2	Total/NA	Water	3510C	
LCS 480-305701/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-305701/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 305722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-9	SS20-9	Total/NA	Solid	8082A	305616
480-101258-10	SS20-10	Total/NA	Solid	8082A	305616
480-101258-11	SS20-11	Total/NA	Solid	8082A	305616
480-101258-12	SS20-12	Total/NA	Solid	8082A	305616
480-101258-13	SS20-13	Total/NA	Solid	8082A	305616
480-101258-14	SS7-9	Total/NA	Solid	8082A	305616
480-101258-15	SS7-10	Total/NA	Solid	8082A	305616
480-101258-16	SS7-11	Total/NA	Solid	8082A	305616
480-101258-17	SS7-12	Total/NA	Solid	8082A	305616
480-101258-18	SS7-13	Total/NA	Solid	8082A	305616
480-101258-19	SS7-14	Total/NA	Solid	8082A	305616
480-101258-20	SS7-15	Total/NA	Solid	8082A	305616
480-101258-20 MS	SS7-15	Total/NA	Solid	8082A	305616
480-101258-20 MSD	SS7-15	Total/NA	Solid	8082A	305616
480-101258-21	SS7-DUP2	Total/NA	Solid	8082A	305616
LCS 480-305616/2-A	Lab Control Sample	Total/NA	Solid	8082A	305616
MB 480-305616/1-A	Method Blank	Total/NA	Solid	8082A	305616

Analysis Batch: 305726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-1	SS21-9	Total/NA	Solid	8082A	305614
480-101258-2	SS21-10	Total/NA	Solid	8082A	305614
480-101258-3	SS21-11	Total/NA	Solid	8082A	305614
480-101258-4	SS21-12	Total/NA	Solid	8082A	305614

GC Semi VOA (Continued)

Analysis Batch: 305726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-5	SS21-13	Total/NA	Solid	8082A	305614
480-101258-6	SS21-14	Total/NA	Solid	8082A	305614
480-101258-7	SS21-15	Total/NA	Solid	8082A	305614
480-101258-8	SS21-16	Total/NA	Solid	8082A	305614
480-101258-22	SS-RINSEBLANK2	Total/NA	Water	8082A	305701
480-101258-22 MS	SS-RINSEBLANK2	Total/NA	Water	8082A	305701
480-101258-22 MSD	SS-RINSEBLANK2	Total/NA	Water	8082A	305701
LCS 480-305614/2-A	Lab Control Sample	Total/NA	Solid	8082A	305614
LCS 480-305701/2-A	Lab Control Sample	Total/NA	Water	8082A	305701
MB 480-305614/1-A	Method Blank	Total/NA	Solid	8082A	305614
MB 480-305701/1-A	Method Blank	Total/NA	Water	8082A	305701

General Chemistry

Analysis Batch: 305546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-1	SS21-9	Total/NA	Solid	Moisture	
480-101258-2	SS21-10	Total/NA	Solid	Moisture	
480-101258-3	SS21-11	Total/NA	Solid	Moisture	
480-101258-4	SS21-12	Total/NA	Solid	Moisture	
480-101258-5	SS21-13	Total/NA	Solid	Moisture	
480-101258-6	SS21-14	Total/NA	Solid	Moisture	
480-101258-7	SS21-15	Total/NA	Solid	Moisture	
480-101258-8	SS21-16	Total/NA	Solid	Moisture	
480-101258-9	SS20-9	Total/NA	Solid	Moisture	
480-101258-10	SS20-10	Total/NA	Solid	Moisture	
480-101258-11	SS20-11	Total/NA	Solid	Moisture	
480-101258-12	SS20-12	Total/NA	Solid	Moisture	
480-101258-13	SS20-13	Total/NA	Solid	Moisture	
480-101258-14	SS7-9	Total/NA	Solid	Moisture	
480-101258-15	SS7-10	Total/NA	Solid	Moisture	
480-101258-16	SS7-11	Total/NA	Solid	Moisture	
480-101258-17	SS7-12	Total/NA	Solid	Moisture	
480-101258-18	SS7-13	Total/NA	Solid	Moisture	
480-101258-19	SS7-14	Total/NA	Solid	Moisture	
480-101258-20	SS7-15	Total/NA	Solid	Moisture	
480-101258-20 MS	SS7-15	Total/NA	Solid	Moisture	
480-101258-20 MSD	SS7-15	Total/NA	Solid	Moisture	
480-101258-21	SS7-DUP2	Total/NA	Solid	Moisture	
480-101258-23	B111-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-24	B111-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-25	B112-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-26	B112-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-27	B113-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-28	B113-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-29	B114-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-30	B114-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-31	B101-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-32	B101-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-33	B102-AREA2-S1	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 305546 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101258-34	B102-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-35	B103-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-36	B103-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-37	B109-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-38	B109-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-39	B110-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-40	B110-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-41	B115-AREA2-S1	Total/NA	Solid	Moisture	
480-101258-42	B115-AREA2-S2	Total/NA	Solid	Moisture	
480-101258-43	B-AREA2-DUP5	Total/NA	Solid	Moisture	

Client Sample ID: SS21-9
Date Collected: 06/06/16 10:33
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-1
Matrix: Solid
Percent Solids: 73.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/08/16 22:11	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS21-10
Date Collected: 06/06/16 10:36
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-2
Matrix: Solid
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/08/16 22:29	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS21-11
Date Collected: 06/06/16 10:38
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-3
Matrix: Solid
Percent Solids: 68.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/08/16 22:48	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS21-12
Date Collected: 06/06/16 10:42
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-4
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/08/16 23:07	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS21-13
Date Collected: 06/06/16 10:58
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-5
Matrix: Solid
Percent Solids: 70.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/08/16 23:25	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS21-14
Date Collected: 06/06/16 11:00
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-6
Matrix: Solid
Percent Solids: 62.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/08/16 23:44	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS21-15
Date Collected: 06/06/16 11:03
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-7
Matrix: Solid
Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/09/16 00:02	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS21-16
Date Collected: 06/06/16 11:06
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-8
Matrix: Solid
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305614	06/08/16 10:08	CAM	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/09/16 00:21	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS20-9
Date Collected: 06/06/16 13:33
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-9
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 00:42	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS20-10
Date Collected: 06/06/16 13:35
Date Received: 06/08/16 01:40

Lab Sample ID: 480-101258-10
Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		2	305722	06/09/16 00:58	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS20-11

Lab Sample ID: 480-101258-11
Date Collected: 06/06/16 13:37
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 01:13	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS20-12

Lab Sample ID: 480-101258-12
Date Collected: 06/06/16 13:39
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 01:28	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS20-13

Lab Sample ID: 480-101258-13
Date Collected: 06/06/16 13:40
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 02:07	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-9

Lab Sample ID: 480-101258-14
Date Collected: 06/07/16 08:10
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 75.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 02:23	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-10

Lab Sample ID: 480-101258-15
Date Collected: 06/07/16 08:13
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 02:38	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-11

Lab Sample ID: 480-101258-16
Date Collected: 06/07/16 08:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 02:53	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-12

Lab Sample ID: 480-101258-17
Date Collected: 06/07/16 08:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 03:09	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-13

Lab Sample ID: 480-101258-18
Date Collected: 06/07/16 08:29
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 03:24	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-14

Lab Sample ID: 480-101258-19
Date Collected: 06/07/16 08:34
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 03:40	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-15

Lab Sample ID: 480-101258-20
Date Collected: 06/07/16 08:40
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 00:27	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS7-DUP2

Lab Sample ID: 480-101258-21
Date Collected: 06/07/16 08:36
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			305616	06/08/16 10:13	CPH	TAL BUF
Total/NA	Analysis	8082A		1	305722	06/09/16 03:55	JMO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: SS-RINSEBLANK2

Lab Sample ID: 480-101258-22
Date Collected: 06/07/16 09:25
Matrix: Water
Date Received: 06/08/16 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			305701	06/08/16 15:12	ARS	TAL BUF
Total/NA	Analysis	8082A		1	305726	06/09/16 03:47	JMO	TAL BUF

Client Sample ID: B111-AREA2-S1

Lab Sample ID: 480-101258-23
Date Collected: 06/07/16 10:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 02:46	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B111-AREA2-S2

Lab Sample ID: 480-101258-24
Date Collected: 06/07/16 10:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 03:12	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B112-AREA2-S1

Lab Sample ID: 480-101258-25
Date Collected: 06/07/16 09:50
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 03:38	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B112-AREA2-S2

Lab Sample ID: 480-101258-26
Date Collected: 06/07/16 09:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 04:04	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B113-AREA2-S1

Lab Sample ID: 480-101258-27
Date Collected: 06/07/16 09:15
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 04:30	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B113-AREA2-S2

Lab Sample ID: 480-101258-28
Date Collected: 06/07/16 09:20
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 04:56	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B114-AREA2-S1

Lab Sample ID: 480-101258-29
Date Collected: 06/07/16 08:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 05:21	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B114-AREA2-S2

Lab Sample ID: 480-101258-30
Date Collected: 06/07/16 08:35
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 05:47	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B101-AREA2-S1

Lab Sample ID: 480-101258-31
Date Collected: 06/07/16 15:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 06:12	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B101-AREA2-S2

Lab Sample ID: 480-101258-32
Date Collected: 06/07/16 15:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 06:38	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B102-AREA2-S1

Lab Sample ID: 480-101258-33
Date Collected: 06/07/16 13:45
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 07:04	CDC	TAL BUF
Total/NA	Prep	5035A	DL		306673	06/14/16 18:51	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	20	306755	06/15/16 17:38	GVF	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B102-AREA2-S2

Lab Sample ID: 480-101258-34
Date Collected: 06/07/16 13:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 12:34	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B103-AREA2-S1

Lab Sample ID: 480-101258-35
Date Collected: 06/07/16 13:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 13:00	NMD1	TAL BUF
Total/NA	Prep	5035A	DL		306673	06/14/16 20:17	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	4	306755	06/15/16 18:05	GVF	TAL BUF

Client Sample ID: B103-AREA2-S1

Lab Sample ID: 480-101258-35
Date Collected: 06/07/16 13:25
Matrix: Solid
Date Received: 06/08/16 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B103-AREA2-S2

Lab Sample ID: 480-101258-36
Date Collected: 06/07/16 13:30
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 13:26	NMD1	TAL BUF
Total/NA	Prep	5035A	DL		306673	06/14/16 20:17	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	1	306755	06/15/16 18:31	GVF	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B109-AREA2-S1

Lab Sample ID: 480-101258-37
Date Collected: 06/07/16 13:00
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 13:51	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B109-AREA2-S2

Lab Sample ID: 480-101258-38
Date Collected: 06/07/16 13:05
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 14:17	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B110-AREA2-S1

Lab Sample ID: 480-101258-39
Date Collected: 06/07/16 11:25
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 14:43	NMD1	TAL BUF
Total/NA	Prep	5035A	DL		306673	06/14/16 20:17	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	1	306675	06/15/16 02:32	SWO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B110-AREA2-S2

Lab Sample ID: 480-101258-40
Date Collected: 06/07/16 11:45
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 15:08	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B115-AREA2-S1

Lab Sample ID: 480-101258-41
Date Collected: 06/07/16 15:50
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 15:34	NMD1	TAL BUF
Total/NA	Prep	5035A	DL		306673	06/14/16 20:17	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	1	306675	06/15/16 02:59	SWO	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B115-AREA2-S2

Lab Sample ID: 480-101258-42
Date Collected: 06/07/16 15:55
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 15:59	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Client Sample ID: B-AREA2-DUP5

Lab Sample ID: 480-101258-43
Date Collected: 06/07/16 14:00
Matrix: Solid
Date Received: 06/08/16 01:40
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306571	06/14/16 08:57	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306570	06/14/16 16:25	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	305546	06/08/16 07:04	CSW	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - PCBs

TestAmerica Job ID: 480-101258-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-101258-1	SS21-9	Solid	06/06/16 10:33	06/08/16 01:40
480-101258-2	SS21-10	Solid	06/06/16 10:36	06/08/16 01:40
480-101258-3	SS21-11	Solid	06/06/16 10:38	06/08/16 01:40
480-101258-4	SS21-12	Solid	06/06/16 10:42	06/08/16 01:40
480-101258-5	SS21-13	Solid	06/06/16 10:58	06/08/16 01:40
480-101258-6	SS21-14	Solid	06/06/16 11:00	06/08/16 01:40
480-101258-7	SS21-15	Solid	06/06/16 11:03	06/08/16 01:40
480-101258-8	SS21-16	Solid	06/06/16 11:06	06/08/16 01:40
480-101258-9	SS20-9	Solid	06/06/16 13:33	06/08/16 01:40
480-101258-10	SS20-10	Solid	06/06/16 13:35	06/08/16 01:40
480-101258-11	SS20-11	Solid	06/06/16 13:37	06/08/16 01:40
480-101258-12	SS20-12	Solid	06/06/16 13:39	06/08/16 01:40
480-101258-13	SS20-13	Solid	06/06/16 13:40	06/08/16 01:40
480-101258-14	SS7-9	Solid	06/07/16 08:10	06/08/16 01:40
480-101258-15	SS7-10	Solid	06/07/16 08:13	06/08/16 01:40
480-101258-16	SS7-11	Solid	06/07/16 08:20	06/08/16 01:40
480-101258-17	SS7-12	Solid	06/07/16 08:25	06/08/16 01:40
480-101258-18	SS7-13	Solid	06/07/16 08:29	06/08/16 01:40
480-101258-19	SS7-14	Solid	06/07/16 08:34	06/08/16 01:40
480-101258-20	SS7-15	Solid	06/07/16 08:40	06/08/16 01:40
480-101258-21	SS7-DUP2	Solid	06/07/16 08:36	06/08/16 01:40
480-101258-22	SS-RINSEBLANK2	Water	06/07/16 09:25	06/08/16 01:40
480-101258-23	B111-AREA2-S1	Solid	06/07/16 10:20	06/08/16 01:40
480-101258-24	B111-AREA2-S2	Solid	06/07/16 10:55	06/08/16 01:40
480-101258-25	B112-AREA2-S1	Solid	06/07/16 09:50	06/08/16 01:40
480-101258-26	B112-AREA2-S2	Solid	06/07/16 09:55	06/08/16 01:40
480-101258-27	B113-AREA2-S1	Solid	06/07/16 09:15	06/08/16 01:40
480-101258-28	B113-AREA2-S2	Solid	06/07/16 09:20	06/08/16 01:40
480-101258-29	B114-AREA2-S1	Solid	06/07/16 08:30	06/08/16 01:40
480-101258-30	B114-AREA2-S2	Solid	06/07/16 08:35	06/08/16 01:40
480-101258-31	B101-AREA2-S1	Solid	06/07/16 15:25	06/08/16 01:40
480-101258-32	B101-AREA2-S2	Solid	06/07/16 15:30	06/08/16 01:40
480-101258-33	B102-AREA2-S1	Solid	06/07/16 13:45	06/08/16 01:40
480-101258-34	B102-AREA2-S2	Solid	06/07/16 13:55	06/08/16 01:40
480-101258-35	B103-AREA2-S1	Solid	06/07/16 13:25	06/08/16 01:40
480-101258-36	B103-AREA2-S2	Solid	06/07/16 13:30	06/08/16 01:40
480-101258-37	B109-AREA2-S1	Solid	06/07/16 13:00	06/08/16 01:40
480-101258-38	B109-AREA2-S2	Solid	06/07/16 13:05	06/08/16 01:40
480-101258-39	B110-AREA2-S1	Solid	06/07/16 11:25	06/08/16 01:40
480-101258-40	B110-AREA2-S2	Solid	06/07/16 11:45	06/08/16 01:40
480-101258-41	B115-AREA2-S1	Solid	06/07/16 15:50	06/08/16 01:40
480-101258-42	B115-AREA2-S2	Solid	06/07/16 15:55	06/08/16 01:40
480-101258-43	B-AREA2-DUP5	Solid	06/07/16 14:00	06/08/16 01:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 305628

Lab Sample ID: IC 480-305628/5 Client Sample ID:

Date Analyzed: 06/08/16 13:08 Lab File ID: F7022.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	2.84	Incomplete Integration	cwiklinc	06/09/16 09:50
Acrylonitrile	3.64	Incomplete Integration	cwiklinc	06/09/16 09:50
2-Butanone (MEK)	4.38	Incomplete Integration	cwiklinc	06/09/16 09:52
Chlorobromomethane	4.59	Incomplete Integration	cwiklinc	06/09/16 09:52
Isobutyl alcohol	4.96	Incomplete Integration	cwiklinc	06/09/16 09:53
1,4-Dioxane	5.92	Assign Peak	cwiklinc	06/09/16 09:53

Lab Sample ID: IC 480-305628/11 Client Sample ID:

Date Analyzed: 06/08/16 15:42 Lab File ID: F7028.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	5.91	Incomplete Integration	cwiklinc	06/09/16 10:02

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 306490

Lab Sample ID: CCVIS 480-306490/3 Client Sample ID:

Date Analyzed: 06/13/16 22:44 Lab File ID: F7175.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	5.91	Peak Tail	diasn	06/13/16 23:40

Lab Sample ID: 480-101258-23 Client Sample ID: B111-AREA2-S1

Date Analyzed: 06/14/16 02:46 Lab File ID: F7183.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	4.63	Incomplete Integration	cwiklinc	06/14/16 09:55

Lab Sample ID: 480-101258-31 Client Sample ID: B101-AREA2-S1

Date Analyzed: 06/14/16 06:12 Lab File ID: F7191.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toluene	6.71	Incomplete Integration	cwiklinc	06/14/16 10:09
Tetrachloroethene	7.23	Incomplete Integration	cwiklinc	06/14/16 10:09

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 306570

Lab Sample ID: 480-101258-35 Client Sample ID: B103-AREA2-S1

Date Analyzed: 06/14/16 13:00 Lab File ID: F7206.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane	5.11	Split Peak	diasn	06/14/16 18:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 302462

Lab Sample ID: IC 480-302462/4 Client Sample ID:

Date Analyzed: 05/18/16 17:04 Lab File ID: N3474.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.32	Missed Peak	o''briens	05/19/16 09:26
Acrolein	2.75	Poor chromatography	o''briens	05/19/16 09:26
1,1,2-Trichloro-1,2,2-trifluoroethane	2.82	Missed Peak	o''briens	05/19/16 09:26
Allyl chloride	3.16	Poor chromatography	o''briens	05/19/16 09:26
Tetrahydrofuran	4.79	Missed Peak	o''briens	05/19/16 09:26
Chloroform	4.82	Poor chromatography	o''briens	05/19/16 09:26
Cyclohexane	4.97	Poor chromatography	o''briens	05/19/16 09:26
tert-Butylbenzene	10.54	Poor chromatography	o''briens	05/19/16 09:26
1,2-Dibromo-3-Chloropropane	12.03	Missed Peak	o''briens	05/19/16 09:26

Lab Sample ID: IC 480-302462/5 Client Sample ID:

Date Analyzed: 05/18/16 17:31 Lab File ID: N3475.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.91	Poor chromatography	o''briens	05/19/16 09:28
1,4-Dioxane	6.29	Missed Peak	o''briens	05/19/16 09:28
trans-1,4-Dichloro-2-butene	10.04	Poor chromatography	o''briens	05/19/16 14:03

Lab Sample ID: IC 480-302462/6 Client Sample ID:

Date Analyzed: 05/18/16 17:58 Lab File ID: N3476.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.28	Missed Peak	o''briens	05/19/16 09:29

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 302462

Lab Sample ID: IC 480-302462/8 Client Sample ID:

Date Analyzed: 05/18/16 18:51 Lab File ID: N3478.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methyl-2-propanol	3.47	Poor chromatography	o''briens	05/19/16 09:32

Lab Sample ID: ICIS 480-302462/9 Client Sample ID:

Date Analyzed: 05/18/16 19:18 Lab File ID: N3479.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.28	Peak Tail	o''briens	05/19/16 08:42

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/2 Client Sample ID:

Date Analyzed: 05/04/16 17:08 Lab File ID: 12_364m_014.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.70	Incomplete Integration	sobolk	05/04/16 19:24
Tetrachloro-m-xylene	2.29	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:26
PCB-1016 Peak 2	3.03	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 19:17

Lab Sample ID: IC 480-299978/3 Client Sample ID:

Date Analyzed: 05/04/16 17:23 Lab File ID: 12_364m_015.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 5	2.50	Baseline Smoothing	sobolk	05/04/16 17:57

Lab Sample ID: IC 480-299978/3 Client Sample ID:

Date Analyzed: 05/04/16 17:23 Lab File ID: 12_364m_015.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:30
PCB-1016 Peak 2	3.04	Baseline Smoothing	sobolk	05/04/16 19:24
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 19:24
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 19:24
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 19:24

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: ICIS 480-299978/4 Client Sample ID:

Date Analyzed: 05/04/16 17:39 Lab File ID: 12_364m_016.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 5	2.51	Baseline Smoothing	sobolk	05/04/16 17:58

Lab Sample ID: ICIS 480-299978/4 Client Sample ID:

Date Analyzed: 05/04/16 17:39 Lab File ID: 12_364m_016.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:19
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:26
PCB-1016 Peak 2	3.04	Incomplete Integration	sobolk	05/04/16 19:26
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 2	5.56	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 17:58

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/5 Client Sample ID:

Date Analyzed: 05/04/16 17:54 Lab File ID: 12_364m_017.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 5	2.50	Baseline Smoothing	sobolk	05/04/16 18:25

Lab Sample ID: IC 480-299978/5 Client Sample ID:

Date Analyzed: 05/04/16 17:54 Lab File ID: 12_364m_017.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:19
PCB-1016 Peak 1	2.71	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 2	3.04	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 2	5.56	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 18:25

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/6 Client Sample ID:

Date Analyzed: 05/04/16 18:10 Lab File ID: 12_364m_018.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 5	2.50	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 1	4.03	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 2	4.15	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 3	4.33	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 4	4.52	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 5	4.75	Baseline Smoothing	sobolk	05/04/16 18:26

Lab Sample ID: IC 480-299978/6 Client Sample ID:

Date Analyzed: 05/04/16 18:10 Lab File ID: 12_364m_018.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:20
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:18
PCB-1016 Peak 2	3.04	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 3	3.25	Incomplete Integration	sobolk	05/04/16 18:26
PCB-1016 Peak 4	3.35	Incomplete Integration	sobolk	05/04/16 18:26
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 2	5.56	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 18:26

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/7 Client Sample ID:

Date Analyzed: 05/04/16 18:25 Lab File ID: 12_364m_019.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.73	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 5	2.51	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 1	4.03	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 2	4.15	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 3	4.33	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 4	4.52	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 5	4.75	Baseline Smoothing	sobolk	05/04/16 19:09

Lab Sample ID: IC 480-299978/7 Client Sample ID:

Date Analyzed: 05/04/16 18:25 Lab File ID: 12_364m_019.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:18
PCB-1016 Peak 2	3.04	Split Peak	sobolk	05/04/16 19:18
PCB-1016 Peak 3	3.25	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1016 Peak 4	3.35	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1016 Peak 5	3.47	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 2	5.57	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 5	6.09	Incomplete Integration	sobolk	05/04/16 19:09
DCB Decachlorobiphenyl	7.44	Incomplete Integration	sobolk	05/04/16 19:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/8 Client Sample ID:

Date Analyzed: 05/04/16 18:40 Lab File ID: 12_364m_020.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.72	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 1	1.90	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 2	2.24	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 3	2.39	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 4	2.46	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 5	2.50	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1260 Peak 1	4.03	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 2	4.15	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 3	4.33	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 4	4.52	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 5	4.75	Baseline Smoothing	sobolk	05/04/16 19:14
DCB Decachlorobiphenyl	5.72	Incomplete Integration	sobolk	05/04/16 19:14

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/8 Client Sample ID:

Date Analyzed: 05/04/16 18:40 Lab File ID: 12_364m_020.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.69	Incomplete Integration	sobolk	05/04/16 19:16
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:23
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:28
PCB-1016 Peak 2	3.04	Split Peak	sobolk	05/04/16 19:25
PCB-1016 Peak 3	3.25	Incomplete Integration	sobolk	05/04/16 19:16
PCB-1016 Peak 4	3.35	Incomplete Integration	sobolk	05/04/16 19:16
PCB-1016 Peak 5	3.47	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 2	5.56	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 19:14
DCB Decachlorobiphenyl	7.44	Incomplete Integration	sobolk	05/04/16 19:14

Lab Sample ID: IC 480-299978/15 Client Sample ID:

Date Analyzed: 05/04/16 20:12 Lab File ID: 12_364m_026.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.04	Incomplete Integration	sobolk	05/04/16 20:44
PCB-1221 Peak 2	2.55	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1221 Peak 3	2.71	Incomplete Integration	sobolk	05/04/16 20:44
PCB-1254 Peak 1	4.26	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 2	4.57	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 3	4.66	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 4	4.79	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 5	5.24	Baseline Smoothing	sobolk	05/04/16 20:44

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/19 Client Sample ID:

Date Analyzed: 05/04/16 20:43 Lab File ID: 12_364m_028.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.90	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 2	2.13	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 3	2.24	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 4	2.39	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 5	2.46	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 1	4.15	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 2	4.33	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 3	4.52	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 4	4.81	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 5	4.85	Baseline Smoothing	sobolk	05/05/16 16:28

Lab Sample ID: IC 480-299978/19 Client Sample ID:

Date Analyzed: 05/04/16 20:43 Lab File ID: 12_364m_028.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.71	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 2	3.04	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 3	3.35	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 4	3.47	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 5	3.85	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 1	5.28	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 2	5.56	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 3	5.69	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 4	6.04	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 5	6.08	Baseline Smoothing	sobolk	05/05/16 16:28

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/23 Client Sample ID:

Date Analyzed: 05/04/16 21:14 Lab File ID: 12_364m_030.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	2.39	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 2	2.46	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 3	2.77	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 4	2.83	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 5	3.03	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 1	4.81	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 2	4.84	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 3	5.06	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 4	5.21	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 5	5.48	Baseline Smoothing	sobolk	05/05/16 16:39

Lab Sample ID: IC 480-299978/23 Client Sample ID:

Date Analyzed: 05/04/16 21:14 Lab File ID: 12_364m_030.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.35	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 2	3.47	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 3	3.64	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 4	3.85	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 5	4.09	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 1	6.03	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 2	6.08	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 3	6.37	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 4	6.60	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 5	7.02	Baseline Smoothing	sobolk	05/05/16 16:39

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/27 Client Sample ID:

Date Analyzed: 05/04/16 21:44 Lab File ID: 12_364m_032.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	2.63	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 2	2.75	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 3	2.83	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 4	3.04	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 5	3.16	Baseline Smoothing	sobolk	05/05/16 16:51

Lab Sample ID: IC 480-299978/27 Client Sample ID:

Date Analyzed: 05/04/16 21:44 Lab File ID: 12_364m_032.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.69	Incomplete Integration	sobolk	05/05/16 16:53
PCB-1248 Peak 1	3.64	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 2	3.85	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 3	3.95	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 4	4.09	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 5	4.34	Baseline Smoothing	sobolk	05/05/16 16:52

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: CCVIS 480-305722/4 Client Sample ID:

Date Analyzed: 06/08/16 16:11 Lab File ID: 12_365m_310.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.80	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 2	2.13	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 3	2.28	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 4	2.34	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 5	2.39	Baseline Smoothing	sobolk	06/08/16 16:34

Lab Sample ID: CCVIS 480-305722/4 Client Sample ID:

Date Analyzed: 06/08/16 16:11 Lab File ID: 12_365m_310.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.61	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 1	2.61	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 3	3.14	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 4	3.24	Baseline Smoothing	sobolk	06/08/16 16:34
PCB-1016 Peak 5	3.36	Baseline Smoothing	sobolk	06/08/16 16:34

Lab Sample ID: CCV 480-305722/25 Client Sample ID:

Date Analyzed: 06/08/16 22:55 Lab File ID: 12_365m_331.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.80	Split Peak	sobolk	06/08/16 23:11
PCB-1016 Peak 2	2.13	Split Peak	sobolk	06/08/16 23:11
PCB-1016 Peak 3	2.28	Split Peak	sobolk	06/08/16 23:11
PCB-1016 Peak 4	2.35	Split Peak	sobolk	06/08/16 23:11
PCB-1016 Peak 5	2.39	Split Peak	sobolk	06/08/16 23:11

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: CCV 480-305722/25 Client Sample ID:

Date Analyzed: 06/08/16 22:55 Lab File ID: 12_365m_331.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.61	Baseline Smoothing	sobolk	06/08/16 23:11
PCB-1016 Peak 1	2.61	Baseline Smoothing	sobolk	06/08/16 23:11
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	06/08/16 23:11
PCB-1016 Peak 3	3.15	Baseline Smoothing	sobolk	06/08/16 23:11
PCB-1016 Peak 4	3.24	Baseline Smoothing	sobolk	06/08/16 23:11
PCB-1016 Peak 5	3.36	Baseline Smoothing	sobolk	06/08/16 23:11

Lab Sample ID: MB 480-305616/1-A Client Sample ID:

Date Analyzed: 06/08/16 23:26 Lab File ID: 12_365m_333.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Incomplete Integration	sobolk	06/08/16 23:46

Lab Sample ID: MB 480-305616/1-A Client Sample ID:

Date Analyzed: 06/08/16 23:26 Lab File ID: 12_365m_333.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.61	Incomplete Integration	sobolk	06/08/16 23:46

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: LCS 480-305616/2-A Client Sample ID:

Date Analyzed: 06/08/16 23:41 Lab File ID: 12_365m_334.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	sobolk	06/09/16 02:04
Tetrachloro-m-xylene	1.63	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 1	1.80	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 2	2.13	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 3	2.28	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 4	2.35	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 5	2.39	Split Peak	sobolk	06/09/16 02:04

Lab Sample ID: LCS 480-305616/2-A Client Sample ID:

Date Analyzed: 06/08/16 23:41 Lab File ID: 12_365m_334.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.61	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 3	3.14	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 4	3.24	Baseline Smoothing	sobolk	06/09/16 02:04
PCB-1016 Peak 5	3.36	Baseline Smoothing	sobolk	06/09/16 02:04

Lab Sample ID: 480-101258-20 MS Client Sample ID:

Date Analyzed: 06/08/16 23:56 Lab File ID: 12_365m_335.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	sobolk	06/09/16 02:17
PCB-1016 Peak 1	1.80	Split Peak	sobolk	06/09/16 02:17
PCB-1016 Peak 2	2.13	Split Peak	sobolk	06/09/16 02:17
PCB-1016 Peak 3	2.28	Split Peak	sobolk	06/09/16 02:17
PCB-1016 Peak 4	2.35	Split Peak	sobolk	06/09/16 02:17
PCB-1016 Peak 5	2.39	Split Peak	sobolk	06/09/16 02:17

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-20 MS Client Sample ID: SS7-15 MS

Date Analyzed: 06/08/16 23:56 Lab File ID: 12_365m_335.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.61	Baseline Smoothing	sobolk	06/09/16 02:17
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	06/09/16 02:17
PCB-1016 Peak 3	3.15	Baseline Smoothing	sobolk	06/09/16 02:17
PCB-1016 Peak 4	3.24	Baseline Smoothing	sobolk	06/09/16 02:17
PCB-1016 Peak 5	3.36	Baseline Smoothing	sobolk	06/09/16 02:17

Lab Sample ID: 480-101258-20 MSD Client Sample ID: SS7-15 MSD

Date Analyzed: 06/09/16 00:12 Lab File ID: 12_365m_336.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.80	Split Peak	sobolk	06/09/16 02:16
PCB-1016 Peak 2	2.13	Split Peak	sobolk	06/09/16 02:16
PCB-1016 Peak 3	2.28	Split Peak	sobolk	06/09/16 02:16
PCB-1016 Peak 4	2.35	Split Peak	sobolk	06/09/16 02:16
PCB-1016 Peak 5	2.39	Split Peak	sobolk	06/09/16 02:16

Lab Sample ID: 480-101258-20 MSD Client Sample ID: SS7-15 MSD

Date Analyzed: 06/09/16 00:12 Lab File ID: 12_365m_336.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.61	Baseline Smoothing	sobolk	06/09/16 02:16
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	06/09/16 02:16
PCB-1016 Peak 3	3.15	Baseline Smoothing	sobolk	06/09/16 02:16
PCB-1016 Peak 4	3.24	Baseline Smoothing	sobolk	06/09/16 02:16
PCB-1016 Peak 5	3.36	Baseline Smoothing	sobolk	06/09/16 02:16

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-20 Client Sample ID:

Date Analyzed: 06/09/16 00:27 Lab File ID: 12_365m_337.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 1	3.08	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 2	3.35	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 3	3.53	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 4	3.72	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 5	3.90	Baseline Smoothing	sobolk	06/09/16 02:15

Lab Sample ID: 480-101258-20 Client Sample ID: SS7-15

Date Analyzed: 06/09/16 00:27 Lab File ID: 12_365m_337.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.15	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 2	4.46	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 3	4.55	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 4	4.69	Baseline Smoothing	sobolk	06/09/16 02:15
PCB-1254 Peak 5	5.12	Baseline Smoothing	sobolk	06/09/16 02:15

Lab Sample ID: 480-101258-9 Client Sample ID: SS20-9

Date Analyzed: 06/09/16 00:42 Lab File ID: 12_365m_338.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.15	Baseline Smoothing	sobolk	06/09/16 02:18
PCB-1254 Peak 2	4.46	Baseline Smoothing	sobolk	06/09/16 02:18
PCB-1254 Peak 3	4.55	Baseline Smoothing	sobolk	06/09/16 02:18
PCB-1254 Peak 4	4.69	Baseline Smoothing	sobolk	06/09/16 02:18
PCB-1254 Peak 5	5.12	Baseline Smoothing	sobolk	06/09/16 02:18

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-10 Client Sample ID:

Date Analyzed: 06/09/16 00:58 Lab File ID: 12_365m_339.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	sobolk	06/09/16 02:19

Lab Sample ID: 480-101258-10 Client Sample ID: SS20-10

Date Analyzed: 06/09/16 00:58 Lab File ID: 12_365m_339.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.15	Baseline Smoothing	sobolk	06/09/16 02:19
PCB-1254 Peak 2	4.46	Baseline Smoothing	sobolk	06/09/16 02:19
PCB-1254 Peak 3	4.55	Baseline Smoothing	sobolk	06/09/16 02:19
PCB-1254 Peak 4	4.69	Baseline Smoothing	sobolk	06/09/16 02:19
PCB-1254 Peak 5	5.12	Baseline Smoothing	sobolk	06/09/16 02:19

Lab Sample ID: 480-101258-11 Client Sample ID: SS20-11

Date Analyzed: 06/09/16 01:13 Lab File ID: 12_365m_340.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.08	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 2	3.35	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 3	3.53	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 4	3.72	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 5	3.90	Baseline Smoothing	sobolk	06/09/16 02:30

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-11 Client Sample ID: SS20-11

Date Analyzed: 06/09/16 01:13 Lab File ID: 12_365m_340.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.15	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 2	4.46	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 3	4.55	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 4	4.69	Baseline Smoothing	sobolk	06/09/16 02:30
PCB-1254 Peak 5	5.12	Baseline Smoothing	sobolk	06/09/16 02:30

Lab Sample ID: 480-101258-12 Client Sample ID:

Date Analyzed: 06/09/16 01:28 Lab File ID: 12_365m_341.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 1	3.08	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 2	3.35	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 3	3.53	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 4	3.72	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 5	3.90	Baseline Smoothing	sobolk	06/09/16 02:32

Lab Sample ID: 480-101258-12 Client Sample ID:

Date Analyzed: 06/09/16 01:28 Lab File ID: 12_365m_341.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.61	Baseline Smoothing	sobolk	06/09/16 02:32
Tetrachloro-m-xylene	2.20	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 1	4.15	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 2	4.46	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 3	4.55	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 4	4.69	Baseline Smoothing	sobolk	06/09/16 02:32
PCB-1254 Peak 5	5.12	Baseline Smoothing	sobolk	06/09/16 02:32

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-13 Client Sample ID:

Date Analyzed: 06/09/16 02:07 Lab File ID: 12_366m_001.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.61	Baseline Smoothing	sobolk	06/09/16 02:33
PCB-1254 Peak 1	4.16	Baseline Smoothing	sobolk	06/09/16 02:33
PCB-1254 Peak 2	4.47	Baseline Smoothing	sobolk	06/09/16 02:33
PCB-1254 Peak 3	4.56	Baseline Smoothing	sobolk	06/09/16 02:33
PCB-1254 Peak 4	4.70	Baseline Smoothing	sobolk	06/09/16 02:33
PCB-1254 Peak 5	5.13	Baseline Smoothing	sobolk	06/09/16 02:33

Lab Sample ID: 480-101258-14 Client Sample ID:

Date Analyzed: 06/09/16 02:23 Lab File ID: 12_366m_002.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	owenj	06/09/16 10:47
Tetrachloro-m-xylene	1.64	Baseline Smoothing	owenj	06/09/16 10:47
PCB-1254 Peak 1	3.09	Baseline Smoothing	owenj	06/09/16 10:47
PCB-1254 Peak 2	3.35	Baseline Smoothing	owenj	06/09/16 10:47
PCB-1254 Peak 3	3.53	Baseline Smoothing	owenj	06/09/16 10:47
PCB-1254 Peak 4	3.72	Baseline Smoothing	owenj	06/09/16 10:47
PCB-1254 Peak 5	3.90	Baseline Smoothing	owenj	06/09/16 10:47

Lab Sample ID: 480-101258-15 Client Sample ID: SS7-10

Date Analyzed: 06/09/16 02:38 Lab File ID: 12_366m_003.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.08	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 2	3.35	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 3	3.53	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 4	3.72	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 5	3.90	Baseline Smoothing	owenj	06/09/16 10:48

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-15 Client Sample ID: SS7-10

Date Analyzed: 06/09/16 02:38 Lab File ID: 12_366m_003.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 2	0.00	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 1	4.15	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 3	4.56	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 4	4.69	Baseline Smoothing	owenj	06/09/16 10:48
PCB-1254 Peak 5	5.13	Baseline Smoothing	owenj	06/09/16 10:48

Lab Sample ID: 480-101258-16 Client Sample ID:

Date Analyzed: 06/09/16 02:53 Lab File ID: 12_366m_004.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	owenj	06/09/16 10:49
Tetrachloro-m-xylene	1.63	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 1	3.08	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 2	3.35	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 3	3.53	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 4	3.72	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 5	3.90	Baseline Smoothing	owenj	06/09/16 10:49

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-16 Client Sample ID:

Date Analyzed: 06/09/16 02:53 Lab File ID: 12_366m_004.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.61	Baseline Smoothing	owenj	06/09/16 10:49
Tetrachloro-m-xylene	2.20	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 1	4.15	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 2	4.46	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 3	4.55	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 4	4.68	Baseline Smoothing	owenj	06/09/16 10:49
PCB-1254 Peak 5	5.12	Baseline Smoothing	owenj	06/09/16 10:49
DCB Decachlorobiphenyl	7.24	Baseline Smoothing	owenj	06/09/16 10:49

Lab Sample ID: 480-101258-17 Client Sample ID:

Date Analyzed: 06/09/16 03:09 Lab File ID: 12_366m_005.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	owenj	06/09/16 10:50
Tetrachloro-m-xylene	1.63	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 1	3.08	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 2	3.35	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 3	3.53	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 4	3.72	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 5	3.90	Baseline Smoothing	owenj	06/09/16 10:50

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-17 Client Sample ID: SS7-12

Date Analyzed: 06/09/16 03:09 Lab File ID: 12_366m_005.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 2	0.00	Baseline Smoothing	owenj	06/09/16 10:50
1-Bromo-2-nitrobenzene	1.61	Baseline Smoothing	owenj	06/09/16 10:50
Tetrachloro-m-xylene	2.20	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 1	4.15	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 3	4.55	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 4	4.69	Baseline Smoothing	owenj	06/09/16 10:50
PCB-1254 Peak 5	5.13	Baseline Smoothing	owenj	06/09/16 10:50

Lab Sample ID: 480-101258-18 Client Sample ID: SS7-13

Date Analyzed: 06/09/16 03:24 Lab File ID: 12_366m_006.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.64	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 1	3.08	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 2	3.35	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 3	3.53	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 4	3.72	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 5	3.90	Baseline Smoothing	owenj	06/09/16 10:52

Lab Sample ID: 480-101258-18 Client Sample ID: SS7-13

Date Analyzed: 06/09/16 03:24 Lab File ID: 12_366m_006.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.15	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 2	4.46	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 3	4.55	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 4	4.69	Baseline Smoothing	owenj	06/09/16 10:52
PCB-1254 Peak 5	5.13	Baseline Smoothing	owenj	06/09/16 10:52

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-19 Client Sample ID:

Date Analyzed: 06/09/16 03:40 Lab File ID: 12_366m_007.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	owenj	06/09/16 10:53
Tetrachloro-m-xylene	1.63	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 1	3.08	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 2	3.35	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 3	3.53	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 4	3.72	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 5	3.90	Baseline Smoothing	owenj	06/09/16 10:53

Lab Sample ID: 480-101258-19 Client Sample ID:

Date Analyzed: 06/09/16 03:40 Lab File ID: 12_366m_007.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.61	Baseline Smoothing	owenj	06/09/16 10:53
Tetrachloro-m-xylene	2.20	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 1	4.15	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 2	4.46	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 3	4.55	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 4	4.69	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 5	5.12	Baseline Smoothing	owenj	06/09/16 10:53

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 305722

Lab Sample ID: 480-101258-21 Client Sample ID:

Date Analyzed: 06/09/16 03:55 Lab File ID: 12_366m_008.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	owenj	06/09/16 10:53
Tetrachloro-m-xylene	1.64	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 1	3.08	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 2	3.35	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 3	3.52	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 4	3.72	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 5	3.90	Baseline Smoothing	owenj	06/09/16 10:53

Lab Sample ID: 480-101258-21 Client Sample ID: SS7-DUP2

Date Analyzed: 06/09/16 03:55 Lab File ID: 12_366m_008.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.15	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 2	4.46	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 3	4.55	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 4	4.69	Baseline Smoothing	owenj	06/09/16 10:53
PCB-1254 Peak 5	5.12	Baseline Smoothing	owenj	06/09/16 10:53

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/3 Client Sample ID:

Date Analyzed: 04/28/16 17:16 Lab File ID: 7_04-098.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.13	Incomplete Integration	sobolk	04/28/16 17:32

Lab Sample ID: IC 480-298867/6 Client Sample ID:

Date Analyzed: 04/28/16 18:13 Lab File ID: 7_04-101.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.38	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1016 Peak 2	2.69	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1016 Peak 3	2.80	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1016 Peak 4	2.89	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1016 Peak 5	3.17	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1260 Peak 1	4.54	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1260 Peak 2	4.59	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1260 Peak 3	4.85	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1260 Peak 4	4.99	Baseline Smoothing	sobolk	04/28/16 18:46
PCB-1260 Peak 5	5.32	Baseline Smoothing	sobolk	04/28/16 18:46

Lab Sample ID: IC 480-298867/7 Client Sample ID:

Date Analyzed: 04/28/16 18:32 Lab File ID: 7_04-102.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.54	Baseline Smoothing	sobolk	04/28/16 19:23
PCB-1260 Peak 2	4.59	Baseline Smoothing	sobolk	04/28/16 19:23
PCB-1260 Peak 3	4.85	Baseline Smoothing	sobolk	04/28/16 19:23
PCB-1260 Peak 4	4.99	Baseline Smoothing	sobolk	04/28/16 19:23
PCB-1260 Peak 5	5.32	Baseline Smoothing	sobolk	04/28/16 19:23

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/8 Client Sample ID:

Date Analyzed: 04/28/16 18:50 Lab File ID: 7_04-103.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.86	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 2	4.99	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 3	5.18	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 4	5.38	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 5	5.63	Baseline Smoothing	sobolk	04/28/16 19:38

Lab Sample ID: IC 480-298867/8 Client Sample ID:

Date Analyzed: 04/28/16 18:50 Lab File ID: 7_04-103.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.54	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 2	4.59	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 3	4.85	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 4	4.99	Baseline Smoothing	sobolk	04/28/16 19:38
PCB-1260 Peak 5	5.32	Baseline Smoothing	sobolk	04/28/16 19:38

Lab Sample ID: IC 480-298867/16 Client Sample ID:

Date Analyzed: 04/28/16 21:22 Lab File ID: 7_04-111.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.95	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 2	4.18	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 3	4.26	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 4	4.45	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 5	4.86	Baseline Smoothing	sobolk	04/29/16 00:32

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/16 Client Sample ID:

Date Analyzed: 04/28/16 21:22 Lab File ID: 7_04-111.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.59	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 2	3.89	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 3	3.97	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 4	4.11	Baseline Smoothing	sobolk	04/29/16 00:32
PCB-1254 Peak 5	4.54	Baseline Smoothing	sobolk	04/29/16 00:32

Lab Sample ID: IC 480-298867/18 Client Sample ID:

Date Analyzed: 04/28/16 21:59 Lab File ID: 7_04-113.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.13	Incomplete Integration	sobolk	04/29/16 14:46
PCB-1232 Peak 1	2.31	Unspecified	sobolk	04/29/16 14:43
PCB-1232 Peak 2	2.79	Baseline Smoothing	sobolk	04/29/16 01:02
PCB-1232 Peak 3	2.99	Baseline Smoothing	sobolk	04/29/16 01:02
PCB-1232 Peak 4	3.08	Baseline Smoothing	sobolk	04/29/16 01:02
PCB-1232 Peak 5	3.14	Baseline Smoothing	sobolk	04/29/16 01:02
PCB-1262 Peak 1	4.99	Unspecified	sobolk	04/29/16 00:36
PCB-1262 Peak 2	5.18	Unspecified	sobolk	04/29/16 00:36
PCB-1262 Peak 3	5.38	Unspecified	sobolk	04/29/16 00:36
PCB-1262 Peak 4	5.63	Unspecified	sobolk	04/29/16 00:36
PCB-1262 Peak 5	5.74	Unspecified	sobolk	04/29/16 00:37

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/18 Client Sample ID:

Date Analyzed: 04/28/16 21:59 Lab File ID: 7_04-113.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1262 Peak 1	4.59	Baseline Smoothing	sobolk	04/29/16 00:35
PCB-1262 Peak 2	4.85	Baseline Smoothing	sobolk	04/29/16 00:35
PCB-1262 Peak 3	4.99	Baseline Smoothing	sobolk	04/29/16 00:35
PCB-1262 Peak 4	5.29	Unspecified	sobolk	04/29/16 00:35
PCB-1262 Peak 5	5.33	Unspecified	sobolk	04/29/16 00:36

Lab Sample ID: IC 480-298867/19 Client Sample ID:

Date Analyzed: 04/28/16 22:18 Lab File ID: 7_04-114.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.31	Unspecified	sobolk	04/29/16 14:43
PCB-1232 Peak 2	2.79	Baseline Smoothing	sobolk	04/29/16 01:00
PCB-1232 Peak 3	2.99	Baseline Smoothing	sobolk	04/29/16 01:00
PCB-1232 Peak 4	3.08	Baseline Smoothing	sobolk	04/29/16 01:00
PCB-1232 Peak 5	3.14	Baseline Smoothing	sobolk	04/29/16 01:00
PCB-1262 Peak 1	4.98	Baseline Smoothing	sobolk	04/29/16 00:41
PCB-1262 Peak 2	5.18	Baseline Smoothing	sobolk	04/29/16 00:41
PCB-1262 Peak 3	5.38	Baseline Smoothing	sobolk	04/29/16 00:41
PCB-1262 Peak 4	5.63	Baseline Smoothing	sobolk	04/29/16 00:41
PCB-1262 Peak 5	5.74	Baseline Smoothing	sobolk	04/29/16 00:41

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/19 Client Sample ID:

Date Analyzed: 04/28/16 22:18 Lab File ID: 7_04-114.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.06	Split Peak	sobolk	04/29/16 00:41
PCB-1232 Peak 2	2.38	Baseline Smoothing	sobolk	04/29/16 00:50
PCB-1232 Peak 3	2.69	Baseline Smoothing	sobolk	04/29/16 00:50
PCB-1232 Peak 4	2.80	Baseline Smoothing	sobolk	04/29/16 00:50
PCB-1232 Peak 5	3.17	Split Peak	sobolk	04/29/16 00:41
PCB-1262 Peak 1	4.59	Baseline Smoothing	sobolk	04/29/16 00:50
PCB-1262 Peak 2	4.85	Baseline Smoothing	sobolk	04/29/16 00:50
PCB-1262 Peak 3	4.99	Baseline Smoothing	sobolk	04/29/16 00:50
PCB-1262 Peak 4	5.29	Baseline Smoothing	sobolk	04/29/16 00:50
PCB-1262 Peak 5	5.32	Baseline Smoothing	sobolk	04/29/16 00:50

Lab Sample ID: IC 480-298867/20 Client Sample ID:

Date Analyzed: 04/28/16 22:37 Lab File ID: 7_04-115.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.13	Incomplete Integration	sobolk	04/29/16 14:45
PCB-1232 Peak 2	2.79	Unspecified	sobolk	04/29/16 00:56
PCB-1232 Peak 3	2.99	Baseline Smoothing	sobolk	04/29/16 01:03
PCB-1232 Peak 4	3.08	Baseline Smoothing	sobolk	04/29/16 01:03
PCB-1232 Peak 5	3.14	Baseline Smoothing	sobolk	04/29/16 01:03
PCB-1262 Peak 1	4.98	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 2	5.18	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 3	5.38	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 4	5.63	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 5	5.74	Baseline Smoothing	sobolk	04/29/16 00:47

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/20 Client Sample ID:

Date Analyzed: 04/28/16 22:37 Lab File ID: 7_04-115.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 3	2.69	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1232 Peak 4	2.80	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 1	4.59	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 2	4.85	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 3	4.99	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 4	5.29	Baseline Smoothing	sobolk	04/29/16 00:47
PCB-1262 Peak 5	5.32	Baseline Smoothing	sobolk	04/29/16 00:47

Lab Sample ID: IC 480-298867/23 Client Sample ID:

Date Analyzed: 04/28/16 23:33 Lab File ID: 7_04-118.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	2.69	Baseline Smoothing	sobolk	04/29/16 01:15
PCB-1242 Peak 2	2.80	Baseline Smoothing	sobolk	04/29/16 01:15
PCB-1242 Peak 3	3.17	Baseline Smoothing	sobolk	04/29/16 01:15
PCB-1242 Peak 4	3.41	Baseline Smoothing	sobolk	04/29/16 01:15
PCB-1242 Peak 5	3.46	Baseline Smoothing	sobolk	04/29/16 01:15

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/24 Client Sample ID:

Date Analyzed: 04/28/16 23:52 Lab File ID: 7_04-119.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	2.69	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1242 Peak 2	2.80	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1242 Peak 3	3.17	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1242 Peak 4	3.41	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1242 Peak 5	3.46	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1268 Peak 1	5.28	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1268 Peak 2	5.32	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1268 Peak 3	5.55	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1268 Peak 4	5.74	Baseline Smoothing	sobolk	04/29/16 01:19
PCB-1268 Peak 5	6.07	Baseline Smoothing	sobolk	04/29/16 01:19

Lab Sample ID: IC 480-298867/26 Client Sample ID:

Date Analyzed: 04/29/16 00:30 Lab File ID: 7_04-121.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 2	3.27	Baseline Smoothing	sobolk	04/29/16 01:31
PCB-1248 Peak 3	3.41	Baseline Smoothing	sobolk	04/29/16 01:31
PCB-1248 Peak 4	3.46	Baseline Smoothing	sobolk	04/29/16 01:31
PCB-1248 Peak 5	3.66	Baseline Smoothing	sobolk	04/29/16 01:31

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 298867

Lab Sample ID: IC 480-298867/27 Client Sample ID:

Date Analyzed: 04/29/16 00:49 Lab File ID: 7_04-122.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.17	Baseline Smoothing	sobolk	04/29/16 01:33
PCB-1248 Peak 2	3.27	Baseline Smoothing	sobolk	04/29/16 01:33
PCB-1248 Peak 3	3.41	Baseline Smoothing	sobolk	04/29/16 01:33
PCB-1248 Peak 4	3.46	Baseline Smoothing	sobolk	04/29/16 01:33
PCB-1248 Peak 5	3.66	Baseline Smoothing	sobolk	04/29/16 01:33

Lab Sample ID: IC 480-298867/28 Client Sample ID:

Date Analyzed: 04/29/16 01:08 Lab File ID: 7_04-123.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.43	Baseline Smoothing	sobolk	04/29/16 01:36
PCB-1248 Peak 2	3.53	Baseline Smoothing	sobolk	04/29/16 01:36
PCB-1248 Peak 3	3.74	Baseline Smoothing	sobolk	04/29/16 01:36
PCB-1248 Peak 4	3.78	Baseline Smoothing	sobolk	04/29/16 01:36
PCB-1248 Peak 5	3.92	Baseline Smoothing	sobolk	04/29/16 01:36

Lab Sample ID: IC 480-298867/28 Client Sample ID:

Date Analyzed: 04/29/16 01:08 Lab File ID: 7_04-123.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.17	Split Peak	sobolk	04/29/16 01:36
PCB-1248 Peak 2	3.27	Baseline Smoothing	sobolk	04/29/16 01:36
PCB-1248 Peak 3	3.41	Baseline Smoothing	sobolk	04/29/16 01:36
PCB-1248 Peak 4	3.46	Baseline Smoothing	sobolk	04/29/16 01:36
PCB-1248 Peak 5	3.66	Baseline Smoothing	sobolk	04/29/16 01:36

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 305726

Lab Sample ID: CCV 480-305726/5 Client Sample ID:

Date Analyzed: 06/08/16 16:53 Lab File ID: 7_06-302.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.36	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1221 Peak 2	1.88	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1221 Peak 3	1.98	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1221 Peak 4	2.03	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1254 Peak 1	3.55	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1254 Peak 2	3.85	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1254 Peak 3	3.94	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1254 Peak 4	4.07	Baseline Smoothing	sobolk	06/08/16 17:13
PCB-1254 Peak 5	4.50	Baseline Smoothing	sobolk	06/08/16 17:13

Lab Sample ID: CCV 480-305726/6 Client Sample ID:

Date Analyzed: 06/08/16 17:12 Lab File ID: 7_06-303.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.03	Split Peak	sobolk	06/08/16 17:36
PCB-1232 Peak 2	2.34	Split Peak	sobolk	06/08/16 17:36
PCB-1232 Peak 3	2.65	Split Peak	sobolk	06/08/16 17:36
PCB-1232 Peak 4	2.76	Split Peak	sobolk	06/08/16 17:36
PCB-1232 Peak 5	3.14	Split Peak	sobolk	06/08/16 17:36

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 305726

Lab Sample ID: CCV 480-305726/8 Client Sample ID:

Date Analyzed: 06/08/16 17:49 Lab File ID: 7_06-305.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.13	Split Peak	sobolk	06/08/16 18:27
PCB-1248 Peak 2	3.24	Split Peak	sobolk	06/08/16 18:27
PCB-1248 Peak 3	3.38	Split Peak	sobolk	06/08/16 18:27
PCB-1248 Peak 4	3.42	Split Peak	sobolk	06/08/16 18:27
PCB-1248 Peak 5	3.62	Split Peak	sobolk	06/08/16 18:27

Lab Sample ID: 480-101258-5 Client Sample ID: SS21-13

Date Analyzed: 06/08/16 23:25 Lab File ID: 7_06-323.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.91	Baseline Smoothing	sobolk	06/09/16 02:51
PCB-1254 Peak 2	4.14	Baseline Smoothing	sobolk	06/09/16 02:51
PCB-1254 Peak 3	4.21	Baseline Smoothing	sobolk	06/09/16 02:51
PCB-1254 Peak 4	4.41	Baseline Smoothing	sobolk	06/09/16 02:51
PCB-1254 Peak 5	4.81	Baseline Smoothing	sobolk	06/09/16 02:51

Lab Sample ID: CCV 480-305726/31 Client Sample ID:

Date Analyzed: 06/09/16 00:59 Lab File ID: 7_06-328.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.57	Incomplete Integration	sobolk	06/09/16 01:33
PCB-1221 Peak 2	2.16	Incomplete Integration	sobolk	06/09/16 01:33
PCB-1221 Peak 3	2.23	Incomplete Integration	sobolk	06/09/16 01:33
PCB-1221 Peak 4	2.28	Incomplete Integration	sobolk	06/09/16 01:33

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 305726

Lab Sample ID: CCV 480-305726/31 Client Sample ID:

Date Analyzed: 06/09/16 00:59 Lab File ID: 7_06-328.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.37	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1221 Peak 2	1.88	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1221 Peak 3	1.98	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1221 Peak 4	2.03	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1254 Peak 1	3.55	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1254 Peak 2	3.85	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1254 Peak 3	3.94	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1254 Peak 4	4.07	Baseline Smoothing	sobolk	06/09/16 01:33
PCB-1254 Peak 5	4.50	Baseline Smoothing	sobolk	06/09/16 01:33

Lab Sample ID: CCV 480-305726/33 Client Sample ID:

Date Analyzed: 06/09/16 01:36 Lab File ID: 7_06-330.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1268 Peak 1	5.64	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 2	5.69	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 3	5.96	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 4	6.15	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 5	6.57	Baseline Smoothing	sobolk	06/09/16 02:02

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 305726

Lab Sample ID: CCV 480-305726/33 Client Sample ID:

Date Analyzed: 06/09/16 01:36 Lab File ID: 7_06-330.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1268 Peak 1	5.24	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 2	5.28	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 3	5.51	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 4	5.69	Baseline Smoothing	sobolk	06/09/16 02:02
PCB-1268 Peak 5	6.02	Baseline Smoothing	sobolk	06/09/16 02:02

Lab Sample ID: CCV 480-305726/34 Client Sample ID:

Date Analyzed: 06/09/16 01:55 Lab File ID: 7_06-331.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.14	Split Peak	sobolk	06/09/16 02:21
PCB-1248 Peak 2	3.24	Split Peak	sobolk	06/09/16 02:21
PCB-1248 Peak 3	3.38	Split Peak	sobolk	06/09/16 02:21
PCB-1248 Peak 4	3.42	Split Peak	sobolk	06/09/16 02:21
PCB-1248 Peak 5	3.62	Split Peak	sobolk	06/09/16 02:21

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Analysis Batch Number: 305726

Lab Sample ID: LCS 480-305701/2-A Client Sample ID:

Date Analyzed: 06/09/16 02:51 Lab File ID: 7_06-334.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.34	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1016 Peak 2	2.65	Incomplete Integration	sobolk	06/09/16 03:11
PCB-1016 Peak 3	2.77	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1016 Peak 4	2.86	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1016 Peak 5	3.14	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1260 Peak 1	4.50	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1260 Peak 2	4.55	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1260 Peak 3	4.81	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1260 Peak 4	4.95	Baseline Smoothing	sobolk	06/09/16 03:11
PCB-1260 Peak 5	5.28	Baseline Smoothing	sobolk	06/09/16 03:11

Lab Sample ID: 480-101258-22 MSD Client Sample ID:

Date Analyzed: 06/09/16 03:28 Lab File ID: 7_06-336.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.05	Baseline Smoothing	owenj	06/09/16 11:32
Tetrachloro-m-xylene	1.64	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1016 Peak 1	2.34	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1016 Peak 2	2.65	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1016 Peak 3	2.77	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1016 Peak 4	2.86	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1016 Peak 5	3.14	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1260 Peak 1	4.50	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1260 Peak 2	4.55	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1260 Peak 3	4.81	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1260 Peak 4	4.95	Baseline Smoothing	owenj	06/09/16 11:32
PCB-1260 Peak 5	5.28	Baseline Smoothing	owenj	06/09/16 11:32

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
1248w/IS@ .02_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1248 10_00004	20 uL	PCB-1248 Peak 1	0.02 ug/mL
							PCB-1248 Peak 2	0.02 ug/mL
							PCB-1248 Peak 3	0.02 ug/mL
							PCB-1248 Peak 4	0.02 ug/mL
							PCB-1248 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1248 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1248_STK_00002	100 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..AR_1248_STK_00002	06/30/16	RESTEK, Lot A0103107			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
1248w/IS@ 0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1248 10_00004	500 uL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1248 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1248_STK_00002	100 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..AR_1248_STK_00002	06/30/16	RESTEK, Lot A0103107			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
1248w/IS@ 0.5_00005	06/30/16	05/24/16	Hexane, Lot TALS # 3387433	10 mL	1-Br-2-nitSTK_00005	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00005	10/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
1248w/IS@ 0.5_00005	06/30/16	05/24/16	Hexane, Lot TALS # 3387433	10 mL	1248 10_00004	500 uL	PCB-1248	0.5 ug/mL
.1248 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1248_STK_00002	100 uL	PCB-1248	10 ug/mL
..AR_1248_STK_00002	06/30/16	RESTEK, Lot A0103107			(Purchased Reagent)		PCB-1248	1000 ug/mL
1248w/IS@ 2.0_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1248 10_00004	2000 uL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1248 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1248_STK_00002	100 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..AR_1248_STK_00002	06/30/16	RESTEK, Lot A0103107			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
1660sur/is.02_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	20 uL	DCB Decachlorobiphenyl	0.0005 ug/mL
							Tetrachloro-m-xylene	0.0005 ug/mL
							PCB-1016 Peak 1	0.02 ug/mL
							PCB-1016 Peak 2	0.02 ug/mL
							PCB-1016 Peak 3	0.02 ug/mL
							PCB-1016 Peak 4	0.02 ug/mL
							PCB-1016 Peak 5	0.02 ug/mL
							PCB-1260 Peak 1	0.02 ug/mL
							PCB-1260 Peak 2	0.02 ug/mL
							PCB-1260 Peak 3	0.02 ug/mL
							PCB-1260 Peak 4	0.02 ug/mL
							PCB-1260 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is.05_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	50 uL	DCB Decachlorobiphenyl	0.00125 ug/mL
							Tetrachloro-m-xylene	0.00125 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.1_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					AR1660 10ng_00004	100 uL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
							PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.2_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	200 uL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
							PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.5_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	500 uL	DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is1.0_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	1000 uL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
.1-Br-2-nitSTK_00003	08/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is2.0_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	2000 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
							PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00003	08/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
21-54w/IS@.02_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1221-1254 10_00004	20 uL	PCB-1254 Peak 1	0.02 ug/mL
							PCB-1254 Peak 2	0.02 ug/mL
							PCB-1254 Peak 3	0.02 ug/mL
							PCB-1254 Peak 4	0.02 ug/mL
							PCB-1254 Peak 5	0.02 ug/mL
							PCB-1221 Peak 1	0.02 ug/mL
							PCB-1221 Peak 2	0.02 ug/mL
							PCB-1221 Peak 3	0.02 ug/mL
							PCB-1221 Peak 4	0.02 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1221-1254 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1254_STK_00001	100 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
					AR1221_STK_00016	100 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
							PCB-1221 Peak 4	10 ug/mL
..AR_1254_STK_00001	06/30/16	RESTEK, Lot A0102227			(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..AR1221_STK_00016	06/30/16	RESTEK, Lot A0105286			(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
21-54w/IS@0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1221-1254 10_00004	500 uL	PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
							PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1221 Peak 4	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1221-1254 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1254_STK_00001	100 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
					AR1221_STK_00016	100 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
							PCB-1221 Peak 4	10 ug/mL
..AR_1254_STK_00001	06/30/16	RESTEK, Lot A0102227			(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..AR1221_STK_00016	06/30/16	RESTEK, Lot A0105286			(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
21-54w/IS@0.5_00005	06/30/16	05/24/16	Hexane, Lot TALS # 3387433	10 mL	1-Br-2-nitSTK_00005	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00005	10/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
21-54w/IS@0.5_00005	06/30/16	05/24/16	Hexane, Lot TALS # 3387433	10 mL	1221-1254 10_00004	500 uL	PCB-1254	0.5 ug/mL
							PCB-1221	0.5 ug/mL
.1221-1254 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1254_STK_00001	100 uL	PCB-1254	10 ug/mL
					AR1221_STK_00016	100 uL	PCB-1221	10 ug/mL
..AR_1254_STK_00001	06/30/16	RESTEK, Lot A0102227			(Purchased Reagent)		PCB-1254	1000 ug/mL
..AR1221_STK_00016	06/30/16	RESTEK, Lot A0105286			(Purchased Reagent)		PCB-1221	1000 ug/mL
21-54w/IS@2.0_00004	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1221-1254 10_00004	2000 uL	PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
							PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1221 Peak 4	2 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1221-1254 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1254_STK_00001	100 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
					AR1221_STK_00016	100 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 3	10 ug/mL
							PCB-1221 Peak 4	10 ug/mL
..AR_1254_STK_00001	06/30/16		RESTEK, Lot A0102227		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..AR1221_STK_00016	06/30/16		RESTEK, Lot A0105286		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
32-62w/IS@.02_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1232-1262 10_00003	20 uL	PCB-1232 Peak 1	0.02 ug/mL
							PCB-1232 Peak 2	0.02 ug/mL
							PCB-1232 Peak 3	0.02 ug/mL
							PCB-1232 Peak 4	0.02 ug/mL
							PCB-1232 Peak 5	0.02 ug/mL
							PCB-1262 Peak 1	0.02 ug/mL
							PCB-1262 Peak 2	0.02 ug/mL
							PCB-1262 Peak 3	0.02 ug/mL
							PCB-1262 Peak 4	0.02 ug/mL
							PCB-1262 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00003	08/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1232-1262 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1232_STK_00002	100 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
					AR_1262_STK_00002	100 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
..AR_1232_STK_00002	06/30/16		RESTEK, Lot A097542		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_STK_00002	06/30/16		restek, Lot A0104763		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
32-62w/IS@0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1232-1262 10_00003	500 uL	PCB-1232 Peak 1	0.5 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
							PCB-1262 Peak 1	0.5 ug/mL
							PCB-1262 Peak 2	0.5 ug/mL
							PCB-1262 Peak 3	0.5 ug/mL
							PCB-1262 Peak 4	0.5 ug/mL
							PCB-1262 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1232-1262 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1232_STK_00002	100 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
					AR_1262_STK_00002	100 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
..AR_1232_STK_00002	06/30/16	RESTEK, Lot A097542			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_STK_00002	06/30/16	restek, Lot A0104763			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
32-62w/IS@0.5_00005	06/30/16	05/31/16	Hexane, Lot TALS # 3387433	10 mL	1-Br-2-nitSTK_00005	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00005	10/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
32-62w/IS@0.5_00005	06/30/16	05/31/16	Hexane, Lot TALS # 3387433	10 mL	1232-1262 10_00003	500 uL	PCB-1232	0.5 ug/mL
.1232-1262 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1232_STK_00002	100 uL	PCB-1232	10 ug/mL
..AR_1232_STK_00002	06/30/16	RESTEK, Lot A097542			(Purchased Reagent)		PCB-1232	1000 ug/mL
32-62w/IS@2.0_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1232-1262 10_00003	2000 uL	PCB-1232 Peak 1	2 ug/mL
							PCB-1232 Peak 2	2 ug/mL
							PCB-1232 Peak 3	2 ug/mL
							PCB-1232 Peak 4	2 ug/mL
							PCB-1232 Peak 5	2 ug/mL
							PCB-1262 Peak 1	2 ug/mL
							PCB-1262 Peak 2	2 ug/mL
							PCB-1262 Peak 3	2 ug/mL
							PCB-1262 Peak 4	2 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1232-1262 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1232_STK_00002	100 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
					AR_1262_STK_00002	100 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
..AR_1232_STK_00002	06/30/16	RESTEK, Lot A097542			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_STK_00002	06/30/16	restek, Lot A0104763			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
42-68w/IS@.02_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1242-1268 10_00003	20 uL	PCB-1242 Peak 1	0.02 ug/mL
							PCB-1242 Peak 2	0.02 ug/mL
							PCB-1242 Peak 3	0.02 ug/mL
							PCB-1242 Peak 4	0.02 ug/mL
							PCB-1242 Peak 5	0.02 ug/mL
							PCB-1268 Peak 1	0.02 ug/mL
							PCB-1268 Peak 2	0.02 ug/mL
							PCB-1268 Peak 3	0.02 ug/mL
							PCB-1268 Peak 4	0.02 ug/mL
							PCB-1268 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1242-1268 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1242_STD_00001	100 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
					AR1268 STK_00016	100 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..AR_1242_STD_00001	06/30/16	RESTEK, Lot A099373			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR1268 STK_00016	06/30/16		restek, Lot a097795		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
42-68w/IS@0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1242-1268 10_00003	500 uL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
							PCB-1268 Peak 1	0.5 ug/mL
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
							PCB-1268 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1242-1268 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1242_STD_00001	100 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
					AR1268 STK_00016	100 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..AR_1242_STD_00001	06/30/16		RESTEK, Lot A099373		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR1268 STK_00016	06/30/16		restek, Lot a097795		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
42-68w/IS@0.5_00005	06/30/16	05/24/16	Hexane, Lot TALS # 3387433	10 mL	1-Br-2-nitSTK_00005	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00005	10/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
42-68w/IS@0.5_00005	06/30/16	05/24/16	Hexane, Lot TALS # 3387433	10 mL	1242-1268 10_00003	500 uL	PCB-1242	0.5 ug/mL
.1242-1268 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1242_STD_00001	100 uL	PCB-1242	10 ug/mL
..AR_1242_STD_00001	06/30/16		RESTEK, Lot A099373		(Purchased Reagent)		PCB-1242	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
42-68w/IS@2.0_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1242-1268 10_00003	2000 uL	PCB-1242 Peak 1	2 ug/mL
							PCB-1242 Peak 2	2 ug/mL
							PCB-1242 Peak 3	2 ug/mL
							PCB-1242 Peak 4	2 ug/mL
							PCB-1242 Peak 5	2 ug/mL
							PCB-1268 Peak 1	2 ug/mL
							PCB-1268 Peak 2	2 ug/mL
							PCB-1268 Peak 3	2 ug/mL
							PCB-1268 Peak 4	2 ug/mL
							PCB-1268 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1242-1268 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1242_STD_00001	100 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
					AR1268 STK_00016	100 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..AR_1242_STD_00001	06/30/16	RESTEK, Lot A099373			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR1268 STK_00016	06/30/16	restek, Lot a097795			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
8260 CORP mix_00074	06/30/16	05/17/16	Methanol, Lot 127999	20 mL	2-CEVE_00042	800 uL	2-Chloroethyl vinyl ether	100 mg/L
					Acrolein Mix_00147	500 uL	Acrolein	500 mg/L
					Ketones_00043	800 uL	2-Butanone (MEK)	500 mg/L
							2-Hexanone	500 mg/L
							4-Methyl-2-pentanone (MIBK)	500 mg/L
							Acetone	500 mg/L
					MegaMix_00043	800 uL	1,1,1,2-Tetrachloroethane	100 mg/L
							1,1,1-Trichloroethane	100 mg/L
							1,1,2,2-Tetrachloroethane	100 mg/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 mg/L
							1,1,2-Trichloroethane	100 mg/L
							1,1-Dichloroethane	100 mg/L
							1,1-Dichloroethene	100 mg/L
							1,1-Dichloropropene	100 mg/L

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	100 mg/L
							1,2,3-Trichloropropane	100 mg/L
							1,2,4-Trichlorobenzene	100 mg/L
							1,2,4-Trimethylbenzene	100 mg/L
							1,2-Dibromo-3-Chloropropane	100 mg/L
							1,2-Dibromoethane	100 mg/L
							1,2-Dichlorobenzene	100 mg/L
							1,2-Dichloroethane	100 mg/L
							1,2-Dichloropropane	100 mg/L
							1,3,5-Trimethylbenzene	100 mg/L
							1,3-Dichlorobenzene	100 mg/L
							1,3-Dichloropropane	100 mg/L
							1,4-Dichlorobenzene	100 mg/L
							1,4-Dioxane	2000 mg/L
							2,2-Dichloropropane	100 mg/L
							2-Chlorotoluene	100 mg/L
							2-Methyl-2-propanol	1000 mg/L
							3-Chloro-1-propene	100 mg/L
							4-Chlorotoluene	100 mg/L
							4-Isopropyltoluene	100 mg/L
							Acrylonitrile	1000 mg/L
							Benzene	100 mg/L
							Bromobenzene	100 mg/L
							Bromodichloromethane	100 mg/L
							Bromoform	100 mg/L
							Carbon disulfide	100 mg/L
							Carbon tetrachloride	100 mg/L
							Chlorobenzene	100 mg/L
							Chlorobromomethane	100 mg/L
							Chloroform	100 mg/L
							cis-1,2-Dichloroethene	100 mg/L
							cis-1,3-Dichloropropene	100 mg/L
							Cyclohexane	100 mg/L
							Dibromochloromethane	100 mg/L
							Dibromomethane	100 mg/L
							Ethyl ether	100 mg/L
							Ethyl methacrylate	100 mg/L
							Ethylbenzene	100 mg/L
							Hexachlorobutadiene	100 mg/L
							Hexane	100 mg/L
							Iodomethane	100 mg/L
							Isobutyl alcohol	2500 mg/L
							Isopropylbenzene	100 mg/L
							m-Xylene & p-Xylene	100 mg/L
							Methyl acetate	500 mg/L
							Methyl tert-butyl ether	100 mg/L
							Methylcyclohexane	100 mg/L
							Methylene Chloride	100 mg/L

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	100 mg/L
							n-Heptane	100 mg/L
							N-Propylbenzene	100 mg/L
							Naphthalene	100 mg/L
							o-Xylene	100 mg/L
							sec-Butylbenzene	100 mg/L
							Styrene	100 mg/L
							tert-Butylbenzene	100 mg/L
							Tetrachloroethene	100 mg/L
							Tetrahydrofuran	200 mg/L
							Toluene	100 mg/L
							trans-1,2-Dichloroethene	100 mg/L
							trans-1,3-Dichloropropene	100 mg/L
							trans-1,4-Dichloro-2-butene	100 mg/L
							Trichloroethene	100 mg/L
					Vinyl Acetate_00047	800 uL	Vinyl acetate	200 mg/L
.2-CEVE_00042	11/17/16		Restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.Acrolein Mix_00147	06/30/16		Restek, Lot A0117486		(Purchased Reagent)		Acrolein	20000 ug/mL
.Ketones_00043	11/17/16		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MegaMix_00043	01/31/17		Restek, Lot A0108166		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	12500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00047	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8260 CORP mix_00075	07/31/16	06/01/16	Methanol, Lot 127999	20 mL	2-CEVE_00043	800 uL	2-Chloroethyl vinyl ether	100 mg/L
					Acrolein Mix_00156	500 uL	Acrolein	500 mg/L
					Ketones_00044	800 uL	2-Butanone (MEK)	500 mg/L
							2-Hexanone	500 mg/L
							4-Methyl-2-pentanone (MIBK)	500 mg/L
							Acetone	500 mg/L
					MegaMix_00044	800 uL	1,1,1,2-Tetrachloroethane	100 mg/L
							1,1,1-Trichloroethane	100 mg/L
							1,1,2,2-Tetrachloroethane	100 mg/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 mg/L
							1,1,2-Trichloroethane	100 mg/L
							1,1-Dichloroethane	100 mg/L
							1,1-Dichloroethene	100 mg/L
							1,1-Dichloropropene	100 mg/L
							1,2,3-Trichlorobenzene	100 mg/L
							1,2,3-Trichloropropane	100 mg/L
							1,2,4-Trichlorobenzene	100 mg/L
							1,2,4-Trimethylbenzene	100 mg/L
							1,2-Dibromo-3-Chloropropane	100 mg/L
							1,2-Dibromoethane	100 mg/L
							1,2-Dichlorobenzene	100 mg/L
							1,2-Dichloroethane	100 mg/L
							1,2-Dichloropropane	100 mg/L
							1,3,5-Trimethylbenzene	100 mg/L
							1,3-Dichlorobenzene	100 mg/L
							1,3-Dichloropropane	100 mg/L
							1,4-Dichlorobenzene	100 mg/L
							1,4-Dioxane	2000 mg/L
							2,2-Dichloropropane	100 mg/L
							2-Chlorotoluene	100 mg/L
							2-Methyl-2-propanol	1000 mg/L
							3-Chloro-1-propene	100 mg/L
							4-Chlorotoluene	100 mg/L
							4-Isopropyltoluene	100 mg/L
							Acrylonitrile	1000 mg/L
							Benzene	100 mg/L
							Bromobenzene	100 mg/L
							Bromodichloromethane	100 mg/L
							Bromoform	100 mg/L
							Carbon disulfide	100 mg/L
							Carbon tetrachloride	100 mg/L
							Chlorobenzene	100 mg/L
							Chlorobromomethane	100 mg/L
							Chloroform	100 mg/L
							cis-1,2-Dichloroethene	100 mg/L
							cis-1,3-Dichloropropene	100 mg/L
							Cyclohexane	100 mg/L

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	100 mg/L
							Dibromomethane	100 mg/L
							Ethyl ether	100 mg/L
							Ethyl methacrylate	100 mg/L
							Ethylbenzene	100 mg/L
							Hexachlorobutadiene	100 mg/L
							Hexane	100 mg/L
							Iodomethane	100 mg/L
							Isobutyl alcohol	2500 mg/L
							Isopropylbenzene	100 mg/L
							m-Xylene	50 mg/L
							m-Xylene & p-Xylene	100 mg/L
							Methyl acetate	500 mg/L
							Methyl tert-butyl ether	100 mg/L
							Methylcyclohexane	100 mg/L
							Methylene Chloride	100 mg/L
							n-Butylbenzene	100 mg/L
							n-Heptane	100 mg/L
							N-Propylbenzene	100 mg/L
							Naphthalene	100 mg/L
							o-Xylene	100 mg/L
							sec-Butylbenzene	100 mg/L
							Styrene	100 mg/L
							tert-Butylbenzene	100 mg/L
							Tetrachloroethene	100 mg/L
							Tetrahydrofuran	200 mg/L
							Toluene	100 mg/L
							trans-1,2-Dichloroethene	100 mg/L
							trans-1,3-Dichloropropene	100 mg/L
							trans-1,4-Dichloro-2-butene	100 mg/L
							Trichloroethene	100 mg/L
					Vinyl Acetate_00061	800 uL	Vinyl acetate	200 mg/L
.2-CEVE_00043	07/31/18		Restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.Acrolein Mix_00156	07/31/16		Restek, Lot A0118240		(Purchased Reagent)		Acrolein	20000 ug/mL
.Ketones_00044	08/30/18		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MegaMix_00044	01/31/17		Restek, Lot A0108166		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene	1250 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	12500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00061	09/30/16		Restek, Lot A0118255		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
AR1660_0.5+IS_00002	06/10/16	04/18/16	HEXANE, Lot TALS # 3328975	250 mL	1-Br-2-nitSTK_00005	0 uL	1-Bromo-2-nitrobenzene	0 ug/mL
.1-Br-2-nitSTK_00005	10/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
AR1660_0.5+IS_00002	06/10/16	04/18/16	HEXANE, Lot TALS # 3328975	250 mL	8082_SURG.STK_00015	37.5 uL	DCB Decachlorobiphenyl	0.03 ug/mL
							Tetrachloro-m-xylene	0.03 ug/mL
					AR_1660_STKa_00001	125 uL	PCB-1016	0.5 ug/mL
							PCB-1260	0.5 ug/mL
.8082_SURG.STK_00015	06/10/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.AR_1660_STKa_00001	06/10/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
F 8260 IS_00454	08/08/16	06/08/16	Methanol, Lot 118655	5 mL	IS_STK_00480	500 uL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
.IS_STK_00480	12/02/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
F 8260 IS_00455	08/12/16	06/12/16	Methanol, Lot 127999	5 mL	IS_STK_00491	500 uL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
.IS_STK_00491	12/10/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
F 8260 SURR_00149	08/08/16	06/08/16	Methanol, Lot 118655	5 mL	SURR_STK_00140	500 uL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.SURR_STK_00140	12/07/16		Restek, Lot A0115812		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	2500 ug/mL
F 8260 SURR_00150	08/13/16	06/13/16	Methanol, Lot 118655	5 mL	SURR_STK_00140	500 uL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.SURR_STK_00140	12/07/16		Restek, Lot A0115812		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
GAS CORP mix_00155	05/22/16	05/15/16	Methanol, Lot 127999	20 mL	8260/624-Gas_00065	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00065	10/31/18		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00159	06/13/16	06/06/16	Methanol, Lot 0000127999	20 mL	8260/624-Gas_00070	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00070	06/13/16		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00160	06/19/16	06/12/16	Methanol, Lot 0000127999	20 mL	8260/624-Gas_00071	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00071	10/31/18		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
N 8260 IS_00023	07/17/16	05/17/16	Methanol, Lot 0000127999	20 mL	IS_STK_00463	1 mL	1,4-Dichlorobenzene-d4	125 mg/L
							Chlorobenzene-d5	125 mg/L
							Fluorobenzene (IS)	125 mg/L
.IS_STK_00463	11/17/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
N 8260 IS_00024	08/07/16	06/07/16	Methanol, Lot 0000127999	10 mL	IS_STK_00492	500 uL	1,4-Dichlorobenzene-d4	125 mg/L
							Chlorobenzene-d5	125 mg/L
							Fluorobenzene (IS)	125 mg/L
.IS_STK_00492	12/07/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
N_8260_Surr_00185	07/18/16	05/18/16	P&T Methanol, Lot 118655	20 mL	SURR_STK_00121	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00121	11/15/16		Restek, Lot A0114901		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
N_8260_Surr_00189	11/20/16	06/10/16	P&T Methanol, Lot 127999	20 mL	SURR_STK_00134	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00134	11/20/16		Restek, Lot A0115812		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
O_608PCBSpike_00011	10/06/16	04/06/16	Methanol, Lot 3281536	1000 mL	O_PCB-Aroclor_00011	1 mL	PCB-1016	1 ug/mL
							PCB-1260	1 ug/mL
.O_PCB-Aroclor_00011	06/30/21		Restek, Lot A0109664		(Purchased Reagent)		PCB-1016	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260	1000 ug/mL
O_8081/82surr_00088	11/25/16	05/25/16	Methanol, Lot 3340527	1000 mL	O_pest/pcbsur_00012	1 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.O_pest/pcbsur_00012	07/31/21	Restek, Lot A0110174			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
O_8082spike_00051	11/10/16	05/10/16	Methanol, Lot 3340528	200 mL	O_PCB-Aroclor_00011	1 mL	PCB-1016	5 ug/mL
							PCB-1260	5 ug/mL
.O_PCB-Aroclor_00011	06/30/21	Restek, Lot A0109664			(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
O_PCBLLsurr_00036	11/24/16	05/24/16	Methanol, Lot 3340527	1000 mL	O_pest/pcbsur_00012	200 uL	DCB Decachlorobiphenyl	0.04 ug/mL
							Tetrachloro-m-xylene	0.04 ug/mL
.O_pest/pcbsur_00012	07/31/21	Restek, Lot A0110174			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PCB IS 1B2NB_00006	10/18/16	05/27/16	Hexane, Lot TALS # 3387433	10 mL	1-Br-2-nitSTK_00005	250 uL	1-Bromo-2-nitrobenzene	25 ug/mL
.1-Br-2-nitSTK_00005	10/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL

Reagent

1-Br-2-nitSTK_00003

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

2564331
ID: 1-Br-2-nitSTK_00002
Exp: 06/13/19 Prpd: KS
1-Bromo-2-nitrobenzene IS

Certified Reference Material CRM

2564323
ID: 1-Br-2-nitSTK_00001
Exp: 06/13/19 Prpd: DLE
1-Bromo-2-nitrobenzene IS

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

2564332
ID: 1-Br-2-nitSTK_00003
Exp: 06/13/19 Prpd: KS
1-Bromo-2-nitrobenzene IS

Part Number: 79210
Lot Number: 061314
Description: 1-Bromo-2-nitrobenzene

Lot #
Solvent(s): 48843 Hexane

CAS NO
(577-19-5)

Expiration Date: 061319
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000

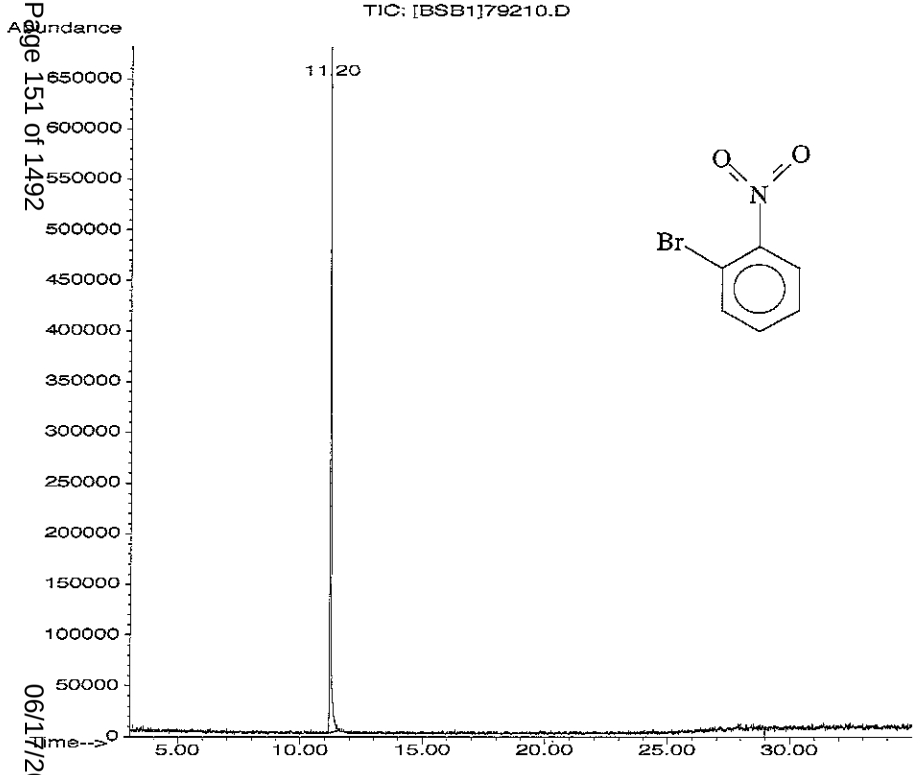
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to: 25.0 0.003 Flask Uncertainty

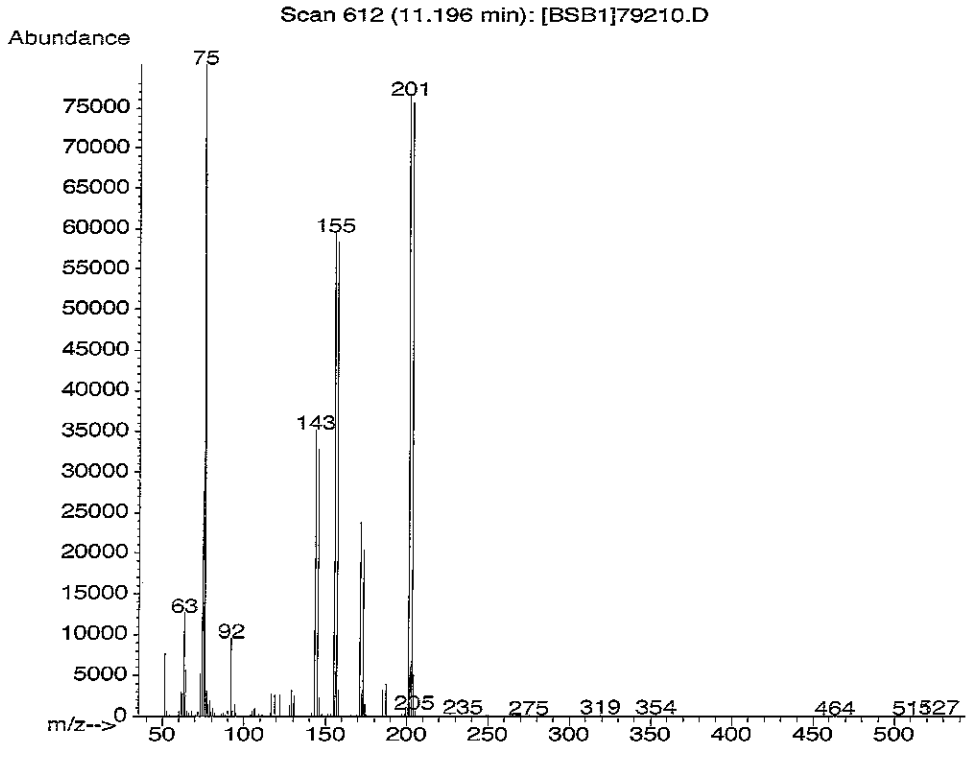
Paul Barron	061314
Formulated By: Paul Barron	DATE
Pedro L. Rentas	061314
Reviewed By: Pedro L. Rentas	DATE

MSDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty	CAS#	OSHA PEL (TWA)	LD50
1. 1-Bromo-2-nitrobenzene	1673	11006ES	1000	98	0.2	0.02551	0.02555	1001.7	0.0057	00577-19-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.

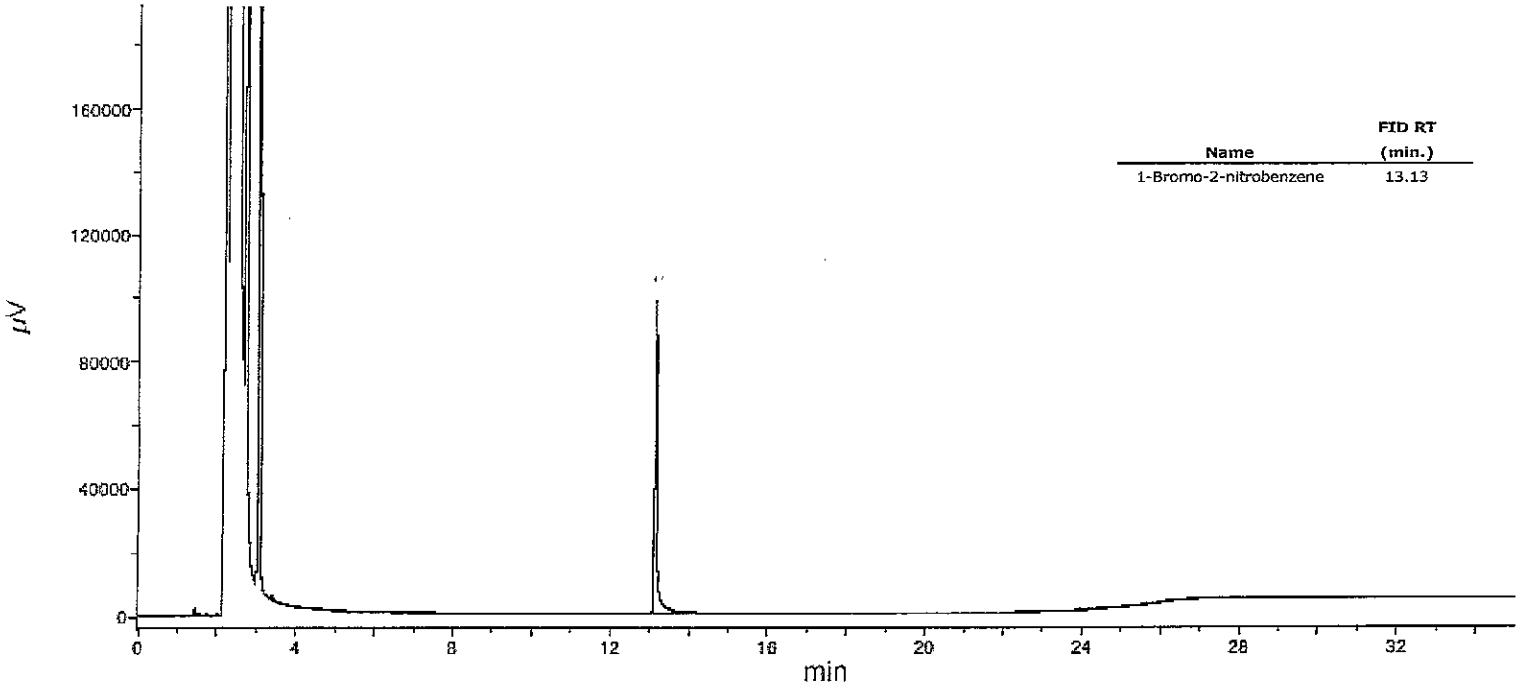




Run 24, "P79210 L061314 [1000µg/mL in Hexane]"

Run Length: 34.99 min, 20997 points at 10 points/second.
Created: Sat, Jun 14, 2014 at 7:40:46 AM.
Sampled: Sequence "061314-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments
GC9M1 Analysis by Candice Warren
SPB-5 30 meter x 0.53 µm x 1.5 df
Flow Rates; Total Flow = 300 mL/min, Helium (carrier)=6mL, Helium (makeup)=25mL,
Hydrogen (detector)=30, Air (detector)=360, Oven Temp 1 = 50 C (1 min)
Rate = 10 C/min, Oven Temp 2 = 300 (9 min), Total Run Time=35 min.
Injector Temp = 200 C, FID Temp = 300 C, FID Signal = Edaq Channel 1
Gas Chromatograph = HP5890, Standard Injection = 0.5 uL, Range =4



Name	FID RT (min.)
1-Bromo-2-nitrobenzene	13.13

Reagent

1-Br-2-nitSTK_00005

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79210
Lot Number: 061314
Description: 1-Bromo-2-nitrobenzene

Expiration Date: 061319
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000

Solvent(s):	Lot#
Hexane	48843

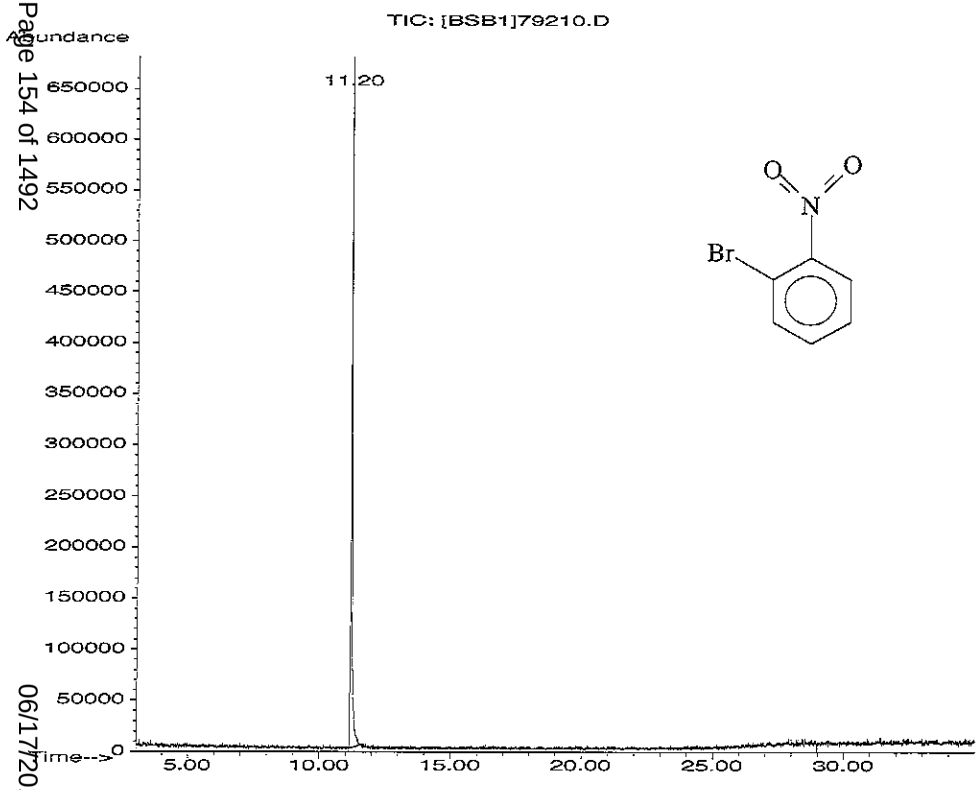
Paul Barron 061314
Formulated By: Paul Barron DATE

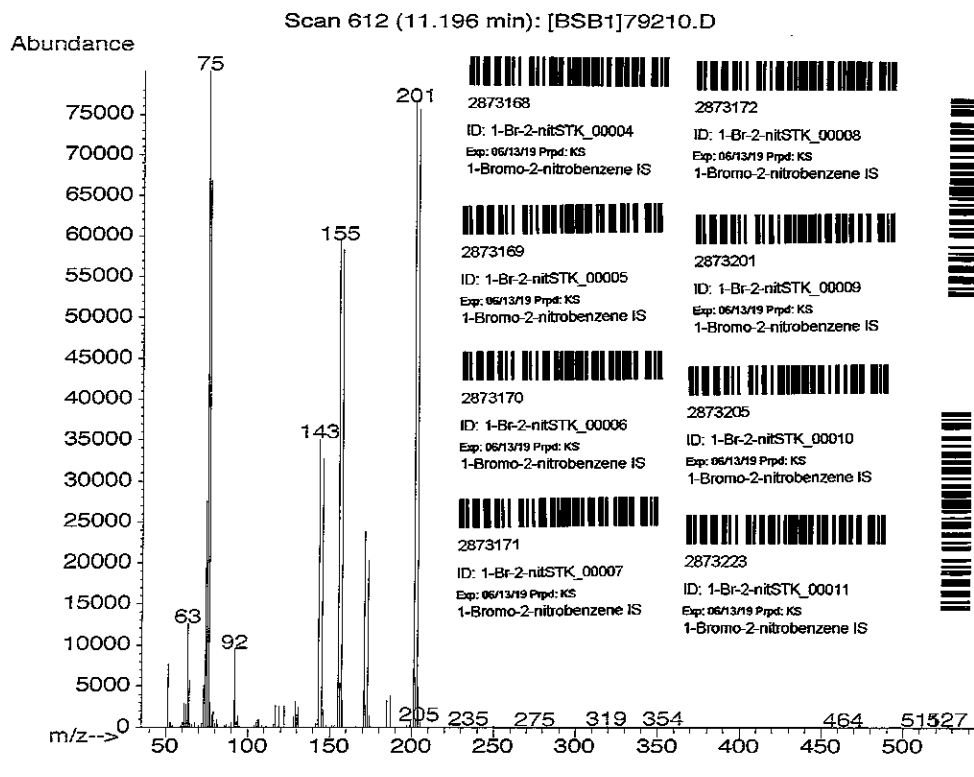
Pedro Rentas 061314
Reviewed By: Pedro L. Rentas DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.003 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty	MSDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Bromo-2-nitrobenzene	1673	11006ES	1000	98	0.2	0.02551	0.02555	1001.5	0.0057	00577-19-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.





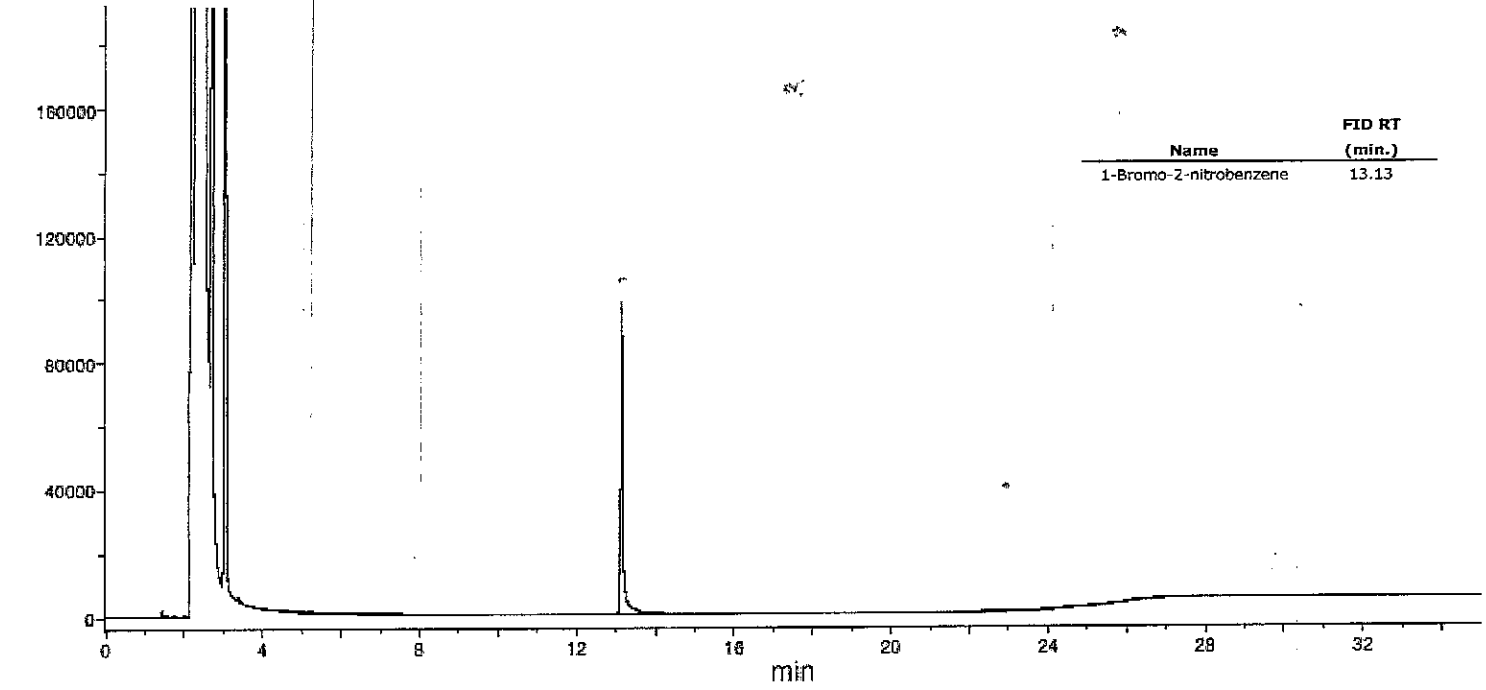
2873168 ID: 1-Br-2-nitSTK_00004 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873169 ID: 1-Br-2-nitSTK_00005 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873170 ID: 1-Br-2-nitSTK_00006 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873171 ID: 1-Br-2-nitSTK_00007 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873172 ID: 1-Br-2-nitSTK_00008 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873201 ID: 1-Br-2-nitSTK_00009 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873205 ID: 1-Br-2-nitSTK_00010 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873223 ID: 1-Br-2-nitSTK_00011 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873224 ID: 1-Br-2-nitSTK_00012 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873225 ID: 1-Br-2-nitSTK_00013 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS

Page 154 of 1492
06/17/2016

Run 24, "P79210 L061314 [1000µg/mL in Hexane]"

Run Length: 34.99 min, 20997 points at 10 points/second.
Created: Sat, Jun 14, 2014 at 7:40:46 AM.
Sampled: Sequence "061314-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments
GC9M1 Analysis by Candice Warren
SPB-5 30 meter x 0.53 µm x 1.5 df
Flow Rates; Total Flow = 300 mL/min, Helium (carrier)=6mL, Helium (makeup)=25mL,
Hydrogen (detector)=30, Air (detector)=360, Oven Temp 1 = 50 C (1 min)
Rate = 10 C/min, Oven Temp 2 = 300 (9 min), Total Run Time=35 min.
Injector Temp = 200 C, FID Temp = 300 C, FID Signal = Edaq Channel 1
Gas Chromatograph = HP5890, Standard Injection = 0.5 uL, Range =4



Name	FID RT (min.)
1-Bromo-2-nitrobenzene	13.13

Reagent

8082_SURG.STK_00015

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0108779

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2021 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		200.7 µg/mL	+/- 1.1696	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)		+/- 6.2448	µg/mL	Unstressed
	Purity 98%			+/- 8.3078	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		201.0 µg/mL	+/- 1.1713	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)		+/- 6.2540	µg/mL	Unstressed
	Purity 99%			+/- 8.3201	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

2807534
ID: 8082_SURG.STK_00013
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807535
ID: 8082_SURG.STK_00014
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807536
ID: 8082_SURG.STK_00015
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807537
D: 8082_SURG.STK_00016
p: 05/31/21 Prpd: KS
CBS/PEST. SURROGATE SOLU

2807539
ID: 8082_SURG.STK_00017
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

1. IDENTIFICATION

Catalog Number / Product Name:	**32000, 32000-5XX, & 32100 / Pesticide Surrogate Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	1-800-424-9300 (CHEMTREC) +1 703-741-5970 (Outside the US)
Email:	sds@restek.com
Revision Number:	9
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:

Flammable Liquid Category 2
Serious Eye Damage/Eye Irritation Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word:

Danger

GHS Hazard:

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

GHS Precautions:

Safety Precautions:

Keep away from heat/sparks/open flames/hot surfaces. -- No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container according to section 13 of the SDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
Acetone	67-64-1	2500 ppm IDLH (10% LEL)	750 ppm STEL 750 ppm STEL; 1782 mg/m3 STEL	500 ppm TWA 500 ppm TWA; 1188 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Respiratory Protection: No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

Medical Conditions Aggravated By Exposure: Respiratory disease including asthma and bronchitis

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	Depends upon product selection
Odor:	Strong
Physical State:	No data available.
pH:	No data available
Vapor Density:	2.0 (air = 1)
Melting Point:	-95.4 °C Melting Point
Flash Point:	39
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	465 deg C
Decomposition Temperature:	No data available.
Specific Gravity:	0.7845 g/cm3 at 25 °C
Evaporation Rate:	No data available.
Odor Threshold:	ND
Solubility:	Complete; 100%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	58.08

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	No data available.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents Strong acids
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Respiratory Tract, Skin
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.
Skin Contact:	Can cause minor skin irritation, defatting, and dermatitis.
Eye Contact:	Can cause minor irritation, tearing and reddening.
Ingestion Irritation:	May be harmful if swallowed.
Ingestion Toxicity:	Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

No data available.			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
Acetone	67-64-1	X	-	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
Acetone	67-64-1	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/01/14

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding prodcuts described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Reagent

Acrolein Mix_00156

(156-165)

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0118240

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750 µg/mL, Water, 1 mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2016 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,845.0	µg/mL	+/- 116.1968	µg/mL	Gravimetric
	CAS # 107-02-8	(Lot 160105JLM)			+/- 636.2931	µg/mL	Unstressed
	Purity 99%				+/- 739.6211	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

AR_1232_STK_00002

RESTEK CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A097542

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2019 **Storage:** 25°C nominal

Handling: This product contains PCBs.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232	1,001.6 µg/mL	+/- 5.8779	µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot W-107-05)		+/- 20.0953	µg/mL	Unstressed
	Purity 99%		+/- 33.9338	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

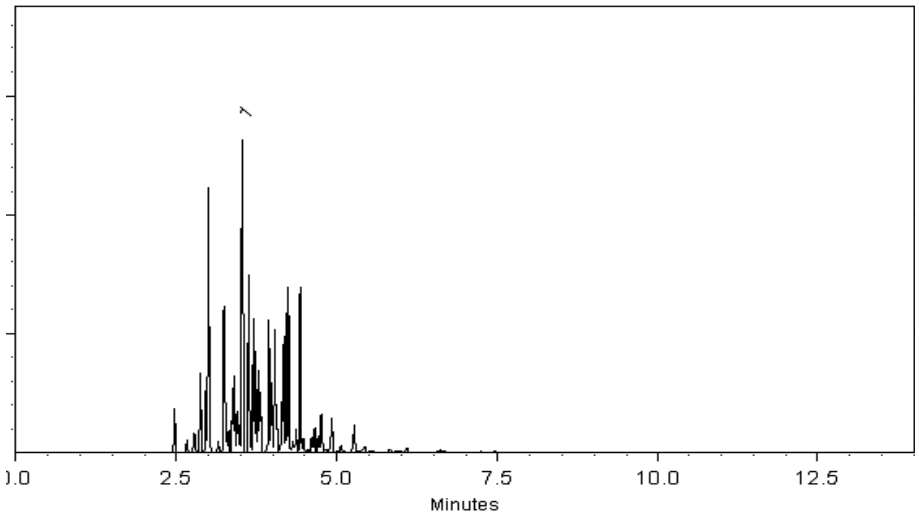
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Sawyer

Date Mixed: 22-Aug-2013 **Balance:** 1128360905

Jodi E. Breon

Jodi E. Breon - QA Analyst

Date Passed: 26-Aug-2013

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1242_STD_00001

RESTEK®

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A099373

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242	1,001.8 µg/mL	+/- 5.8377	µg/mL	Gravimetric
	CAS # 53469-21-9 (Lot 01141-A)		+/- 20.0981	µg/mL	Unstressed
	Purity ----%		+/- 33.9387	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

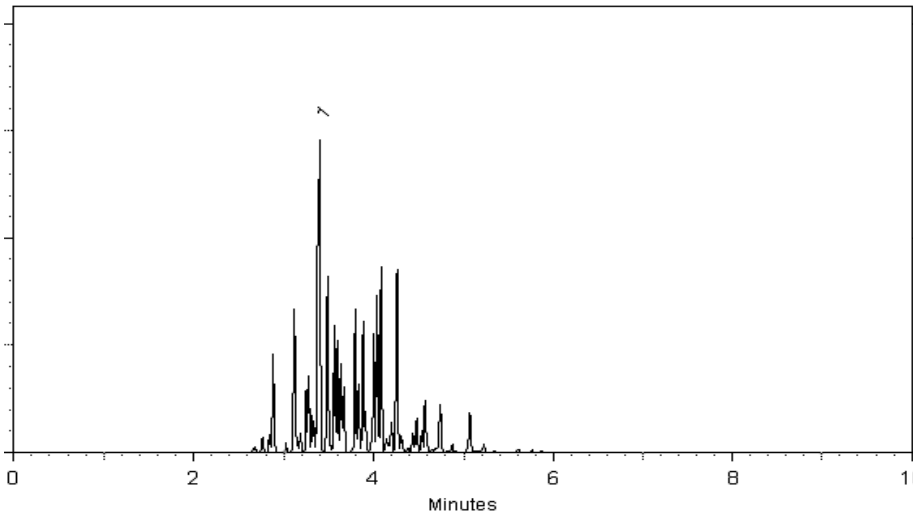
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 07-Nov-2013 **Balance:** 1125113331

Jennifer L. Pollino - QC Analyst

Date Passed: 08-Nov-2013

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1248_STK_00002

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0103107

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1248	1,000.4 µg/mL	+/- 5.8709 µg/mL	Gravimetric
	CAS # 12672-29-6 (Lot W-108-07)		+/- 31.1348 µg/mL	Unstressed
	Purity ----%		+/- 41.4157 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

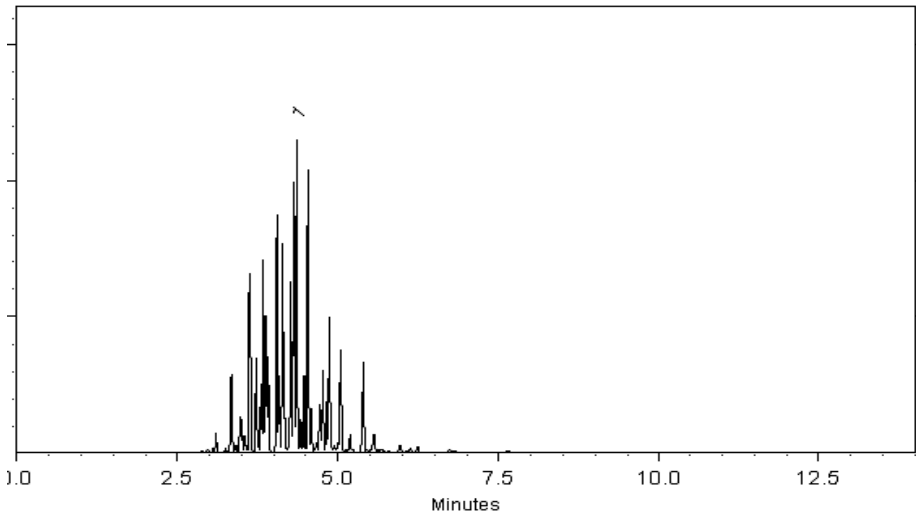
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 02-May-2014 **Balance:** 1128342313

Jennifer L. Pollino - QC Analyst

Date Passed: 06-May-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1254_STK_00001

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0102227

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1254	1,002.4 µg/mL	+/- 5.8826	µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.1970	µg/mL	Unstressed
	Purity ----%		+/- 41.4985	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

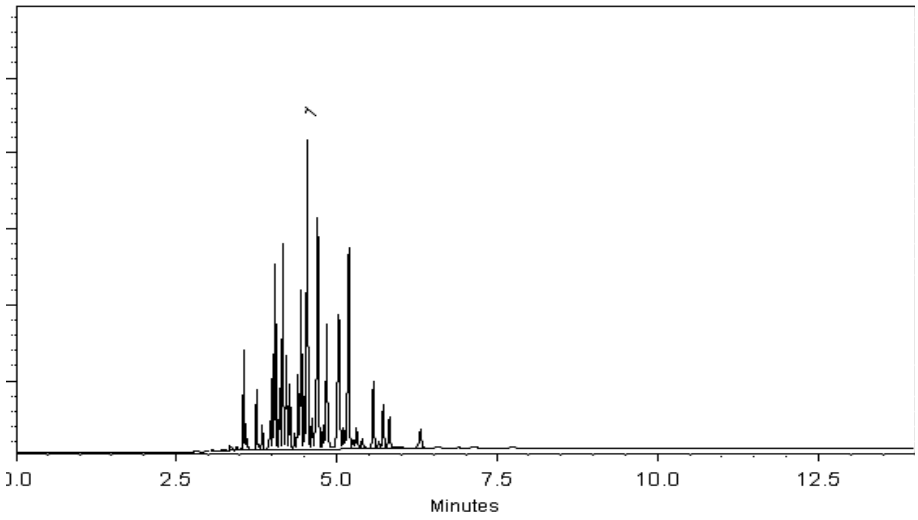
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Sawyer

Date Mixed: 26-Mar-2014 **Balance:** 1128360905

Amanda Kramer - QC Analyst

Date Passed: 28-Mar-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1262_STK_00002

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0104763

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1262	1,010.0 µg/mL	+/- 5.9991 µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 462-109B)		+/- 31.4472 µg/mL	Unstressed
	Purity ----%		+/- 41.8234 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

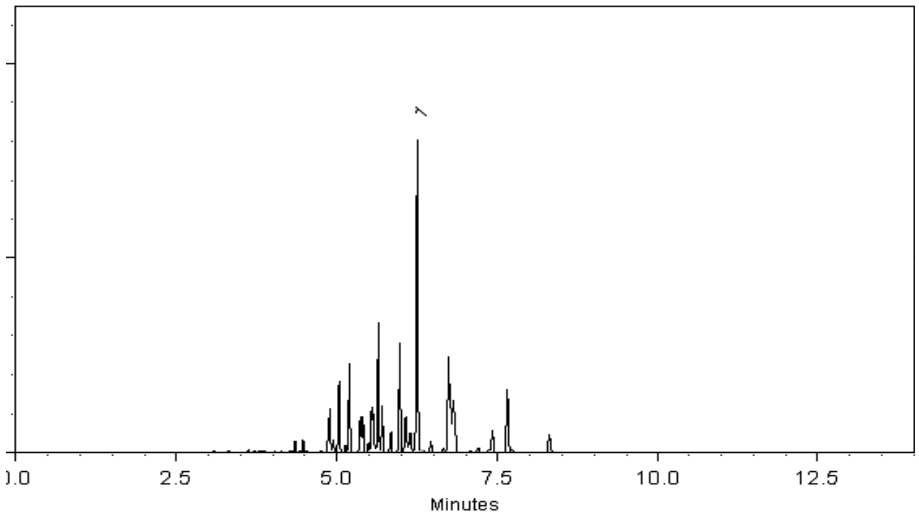
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 17-Jul-2014 **Balance:** 1125113331

Jennifer L. Pollino - QC Analyst

Date Passed: 23-Jul-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1660_STK_00026

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A099855

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,000.4 µg/mL	+/- 5.8299	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot W-125-01)		+/- 20.0711	µg/mL	Unstressed
	Purity 99%			+/- 33.8930	µg/mL	Stressed
2	Aroclor 1260		1,000.4 µg/mL	+/- 5.8299	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot W-129-06)		+/- 20.0711	µg/mL	Unstressed
	Purity ----%			+/- 33.8930	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

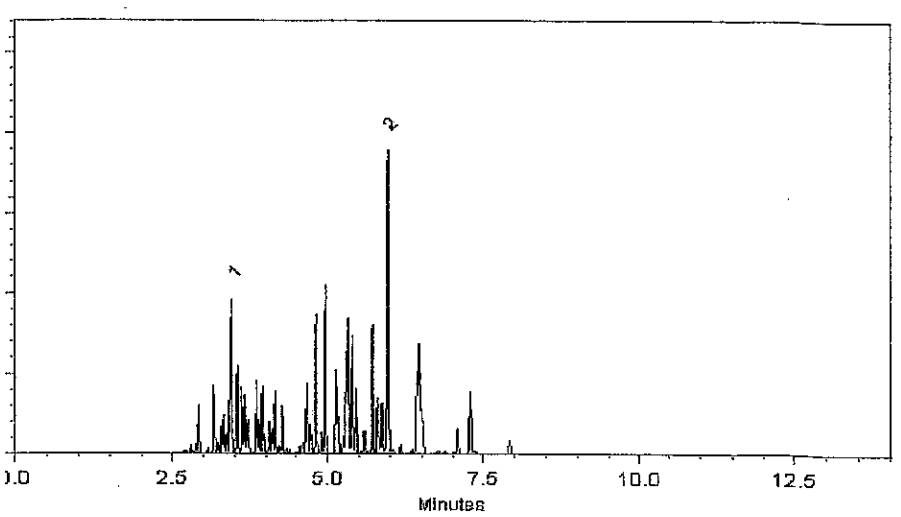
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 04-Dec-2013 **Balance:** 1128360905

Jodi E. Breon - QA Analyst

Date Passed: 06-Dec-2013

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR1221_STK_00016

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0105286

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2020 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,007.2 µg/mL	+/- 5.9108	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 1240100)		+/- 31.3464	µg/mL	Unstressed
	Purity ---%		+/- 41.6972	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

2833304
ID: AR1221_STK_00016
Exp: 11/30/20 Prpd: KS
AROCLOR 1221 1000 ng STAN

2833305
ID: AR1221_STK_00017
Exp: 11/30/20 Prpd: KS
AROCLOR 1221 1000 ng STAN

Column:
x .25mm x .2um
P II (cat.# 11323)

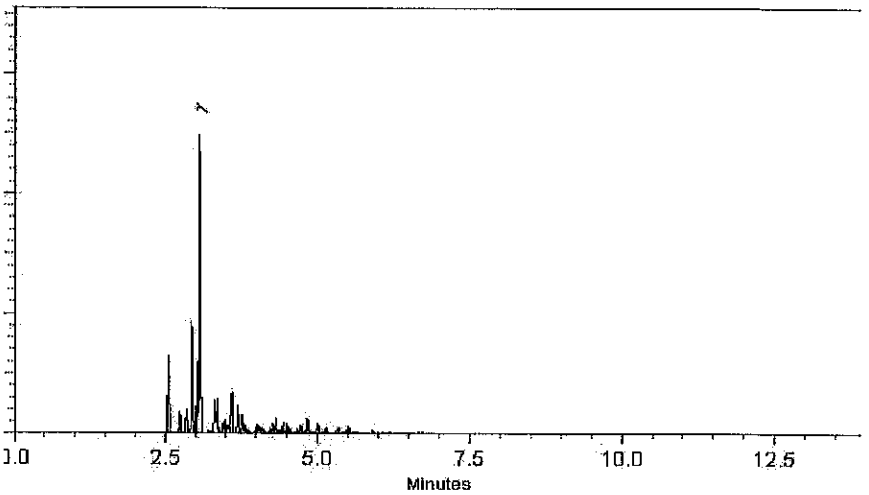
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 12-Aug-2014 **Balance:** 1125113331

Diane Shaffer - QA Analyst

Date Passed: 13-Aug-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

AR1268 STK_00016

RESTEK CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A097795

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2019 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 390-50A)		+/- 20.1037	µg/mL	Unstressed
	Purity ----%		+/- 33.9475	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

IS_STK_00480

(480-499)

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30241 **Lot No.:** A0117358

Description : 8260A Internal Standard Mix

8260A Internal Standard Mix 2,500 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Gravimetric Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Fluorobenzene **CAS #** 462-06-6 **Purity** 99%	(Lot BCBK8171V)	2,501.8 µg/mL	+/- 14.5457 +/- 140.2734 +/- 143.5557	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Chlorobenzene-d5 **CAS #** 3114-55-4 **Purity** 99%	(Lot PR-23926)	2,500.1 µg/mL	+/- 14.5358 +/- 140.1781 +/- 143.4581	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 **Purity** 99%	(Lot PR-18488)	2,500.7 µg/mL	+/- 14.5393 +/- 140.2118 +/- 143.4925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

O_608PCBSpike_00011

Organic Prep
Spike / Surrogate Verification Form

Spike/Surrogate Method: 608 PCB

TALs Reagent ID: 3295568 ID: O_608PCBSpike_00011 Exp: 10/06/16 Prpd: RJS Ctt: 04/06/16 608 PCB/8082 LL Spike (A3 — 1 µg/ml — 2X

Spike/Surrogate Code: A319

Prepared By / Date: BS 4/6/16

Date Submitted for Analysis: 4/6/16

Solvent Exchanged? (YES) NO — Exchanged in hexane and sent over as 1 mL aliquot

Solvent Used for Exchange: Hexane

Final Concentrated Volume: X

Final Method Volume: ____ Final Method Volume Done by Prep? Yes (No)

Date of Analysis: 4/6/16

Analyzed By: LC

Compounds within range of expected recovery? (YES) NO

(Spike) / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep

Preliminary Report

TestAmerica Buffalo
LCS, Lab Control Sample Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160406-51892.b\12_361m_096.D				
Lims ID:	O_608PCBSpike_00011				
Client ID:					
Sample Type:	LCS				
Inject. Date:	06-Apr-2016 20:56:11	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	2.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160406-51892.b\hp12_pcb.m				
Limit Group:	GC - 608 PCB ICAL				
Last Update:	06-Apr-2016 21:15:33	Calib Date:	03-Feb-2016 20:41:25		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160203-50380.b\12_356m_044.D				
Column 1 :	ZB-5 (0.25 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	XAWRK012				

Detector 1: Ch-A-7A136

Compound	Amount Added	Amount Recovered	%Rec
6 PCB-1016	0.5000	0.5738	114.76
6 PCB-1016-1	0.5000	0.5573	111.47
6 PCB-1016-2	0.5000	0.5976	119.53
6 PCB-1016-3	0.5000	0.5634	112.68
6 PCB-1016-4	0.5000	0.5719	114.39
6 PCB-1016-5	0.5000	0.5786	115.73
9 PCB-1260	0.5000	0.6304	126.08
9 PCB-1260-1	0.5000	0.6724	134.47
9 PCB-1260-2	0.5000	0.6351	127.02
9 PCB-1260-3	0.5000	0.6250	125.00
9 PCB-1260-4	0.5000	0.5971	119.42
9 PCB-1260-5	0.5000	0.6224	124.48

Detector 2: Ch-B-7b136 only B is CCV compliant

Compound	Amount Added	Amount Recovered	%Rec
6 PCB-1016	0.5000	0.5000	100.01
6 PCB-1016-1	0.5000	0.5004	100.07
6 PCB-1016-2	0.5000	0.5095	101.90
6 PCB-1016-3	0.5000	0.4877	97.54
6 PCB-1016-4	0.5000	0.5111	102.22
6 PCB-1016-5	0.5000	0.4915	98.31

Preliminary Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160406-51892.b\12_361m_096.D

Compound	Amount Added	Amount Recovered	%Rec
9 PCB-1260	0.5000	0.5236	104.73
9 PCB-1260-1	0.5000	0.5395	107.90
9 PCB-1260-2	0.5000	0.5509	110.18
9 PCB-1260-3	0.5000	0.5139	102.78
9 PCB-1260-4	0.5000	0.5060	101.20
9 PCB-1260-5	0.5000	0.5079	101.59

Reagent

O_8081/82surr_00088

1 mL → 1000 mL MeOH

Organic Prep
Spike / Surrogate Verification Form

3408473
ID: O_8081/82surr_00088
Exp: 11/25/16 Prpd: CAM Crt: 06/25/15
8081/8082/608 pest surr (

Spike/Surrogate Method: 8081/8082/608 Pest TALs Reagent ID:

Spike/Surrogate Code: A-35

Prepared By / Date: CM / 5/25/16

Date Submitted for Analysis: 5/26/16

Solvent Exchanged? (YES) NO

Solvent Used for Exchange: Hexane

Final Concentrated Volume: 1

Final Method Volume: 10

Final Method Volume Done by Prep? (Yes) No

Date of Analysis: 5/25/16

Analyzed By: Josh Dean

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep

Preliminary Report

TestAmerica Buffalo

LCS, Lab Control Sample Report

Sample Path: \\ChromNA\Buffalo\ChromData\HP5890-12\20160525-53540.b\12_365m_044.D

Lims ID: O_8081/82surr_00088 Inj. Date: 26-May-2016 02:21:25

Worklist ID: 480-0053540-024 Instrument: HP5890-12

Method: 5890-12 PCB IS

Detector 1: Ch-A-7A136

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 0C_PCB_
$ 6 Tetrachloro-m-xylene	0.0200	0.0202	101.0	27-159
$ 15 DCB Decachlorobiphenyl	0.0200	0.0211	105.4	26-135

Detector 2: Ch-B-7b136

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 0C_PCB_
$ 6 Tetrachloro-m-xylene	0.0200	0.0227	113.4	27-159
$ 15 DCB Decachlorobiphenyl	0.0200	0.0207	103.7	26-135

Samples for Limit Group: 1, Lims Prep Method: 3510C_PCB_1YR

480-100642-F-1-A	480-100642-D-2-A	480-100610-B-1-A
480-100651-F-1-A	480-100651-E-2-A	480-100653-D-1-A
480-100654-E-1-A	480-100654-F-2-A	480-100654-F-3-A

Reagent

O_8082spike_00051

Organic Prep
Spike / Surrogate Verification Form

3380547
ID: O_8082spike_00051
Exp: 11/10/16 Prpd: CAM Crt: 05/10/16
8082 LCS spike (A222) @ 5

Spike/~~Surrogate~~ Method: 8082 LCS TALs Reagent ID: ~~10X~~

Spike/~~Surrogate~~ Code: A222

Prepared By / Date: am / 05-10-16

Date Submitted for Analysis: 05-10-16

Solvent Exchanged? (YES) NO 1 mL aliquot sent to be analyzed

Solvent Used for Exchange: Hexane

Final Concentrated Volume: 1.0 mL

Final Method Volume: 10.0mL

Final Method Volume Done by Prep? (Yes) No ?

Date of Analysis: 5/10/16

Analyzed By: KG

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep

Preliminary Report

TestAmerica Buffalo
LCS, Lab Control Sample Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160510-53069.b\7_05-122.D
Lims ID: O_8082spike_00051
Client ID:
Sample Type: LCS
Inject. Date: 10-May-2016 19:20:35 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 10.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160510-53069.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-May-2016 19:37:11 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

Detector 1: Ch-A-7A136

Compound	Amount Added	Amount Recovered	%Rec
9 PCB-1016	0.5000	0.4798	95.96
9 PCB-1016-1	0.5000	0.4582	91.63
9 PCB-1016-2	0.5000	0.4726	94.52
9 PCB-1016-3	0.5000	0.5001	100.03
9 PCB-1016-4	0.5000	0.4783	95.67
9 PCB-1016-5	0.5000	0.4896	97.93
12 PCB-1260	0.5000	0.4950	99.00
12 PCB-1260-1	0.5000	0.5194	103.88
12 PCB-1260-2	0.5000	0.4761	95.23
12 PCB-1260-3	0.5000	0.4819	96.39
12 PCB-1260-4	0.5000	0.5041	100.82
12 PCB-1260-5	0.5000	0.4934	98.67

Detector 2: Ch-B-7b136

Compound	Amount Added	Amount Recovered	%Rec
9 PCB-1016	0.5000	0.4696	93.92
9 PCB-1016-1	0.5000	0.4742	94.84
9 PCB-1016-2	0.5000	0.4864	97.29
9 PCB-1016-3	0.5000	0.4802	96.04
9 PCB-1016-4	0.5000	0.4474	89.49
9 PCB-1016-5	0.5000	0.4597	91.94

Preliminary Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160510-53069.b\7_05-122.D

Compound	Amount Added	Amount Recovered	%Rec
12 PCB-1260	0.5000	0.4981	99.61
12 PCB-1260-1	0.5000	0.5222	104.45
12 PCB-1260-2	0.5000	0.4887	97.74
12 PCB-1260-3	0.5000	0.4906	98.13
12 PCB-1260-4	0.5000	0.4983	99.67
12 PCB-1260-5	0.5000	0.4905	98.10

Reagent

O_PCB-Aroclor_00011

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

3060262
ID: O_PCB-Aroclor_00011
Exp: 06/30/21 Prpd: CAM
Aroclor 1016/1260 mix @ 1

Catalog No. : 32039 **Lot No.:** A0109664

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016	1,007.4 µg/mL	+/- 5.8705	µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot W-125-01)		+/- 31.3443	µg/mL	Unstressed
	Purity -----%		+/- 41.6988	µg/mL	Stressed
2	Aroclor 1260	1,009.8 µg/mL	+/- 5.8846	µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot W-129-06)		+/- 31.4196	µg/mL	Unstressed
	Purity ----%		+/- 41.7990	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

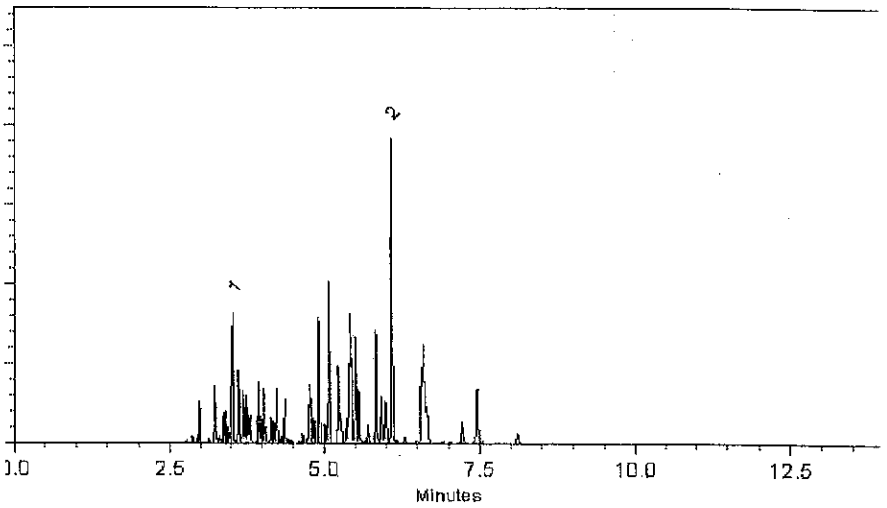
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 14-Mar-2015 **Balance:** B442140311

Diane Shaffer - QA Analyst

Date Passed: 16-Mar-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

1. IDENTIFICATION

Catalog Number / Product Name:	**32039, 32039-5XX, & 32139 / Aroclor 1016/1260 Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	1-800-424-9300 (CHEMTREC) +1 703-741-5970 (Outside the US)
Email:	sds@restek.com
Revision Number:	8
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:

Aspiration Hazard Category 1
Flammable Liquid Category 2
Skin Corrosion/Irritation Category 2
Reproductive Toxicity Category 2
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2
Hazardous to the aquatic environment - Chronic Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word:

Danger

GHS Hazard:

Highly flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness.
H361f - Suspected of damaging fertility.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

GHS Precautions:

Safety Precautions:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

First Aid Measures:

IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Get medical advice/attention if you feel unwell.
Specific treatment see section 4.
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.
Collect spillage.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: No data available.

Repeated Exposure Target Organs: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINEC #	% Composition
hexane	110-54-3	203-777-6	99.800000
aroclor® 1016	12674-11-2		0.100000
aroclor® 1260	11096-82-5		0.100000

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment

Storage Technical Measures and Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
hexane	110-54-3	1100 ppm IDLH (10% LEL)	1000 ppm	50 ppm TWA	500 ppm TWA; 1800 mg/m3 TWA
aroclor® 1016	12674-11-2	ND		No TLV	No data available.
aroclor® 1260	11096-82-5	ND		No TLV	No data available.

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available.
Odor:	Mild
Physical State:	Liquid
pH:	No data available
Vapor Density:	2.97 (air = 1)
Melting Point:	-95 °C Melting Point
Flash Point:	-8
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	No data available. deg C
Decomposition Temperature:	No data available.
Specific Gravity:	0.672 g/cm3 at 15 °C
Evaporation Rate:	No data available.
Odor Threshold:	No data available.
Solubility:	Negligible; 0-1%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	No data available.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: No data available.
Materials to Avoid / Chemical Incompatiability: Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation Contact Absorption Ingestion
Target Organs Potentially Affected By Exposure: Eyes, Central nervous system stimulation, Respiratory Tract, Skin, Peripheral Nervous System
Chemical Interactions That Change Toxicity: None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption: May cause irritation and minor systemic damage.Harmful if absorbed through the skin.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Harmful if swallowed.
Ingestion Toxicity: Toxic if swallowed. May cause target organ failure and/or death.

Long-Term (Chronic) Health Effects:

Carcinogenicity: Contains a probable or known human carcinogen.
Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation: Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption: Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
n-Hexane	110-54-3	Inhalation LC50 Rat 48000 ppm 4 h (Source: NLM_CIP); Dermal LD50 Rabbit 3000 mg/kg (Source: NLM_CIP)

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.	
Aroclor 1260	11096-82-5	Present

ACGIH:

Chemical Name	CAS No.
No data available.	

NIOSH:

Chemical Name	CAS No.
No data available.	

NTP:

Chemical Name	CAS No.
No data available.	

IARC:

Chemical Name	CAS No.	Group No.
No data.		Group 1
No data.		Group 2A
No data.		Group 2B

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	No data
Ecological Toxicity Data:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Hexanes
UN Number:	UN1208
Hazard Class:	3
Packing Group:	II
International:	
IATA Proper Shipping Name:	Hexanes
UN Number:	UN1208
Hazard Class:	3
Packing Group:	II
Marine Pollutant:	No

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
hexane	110-54-3	X	X	-	X
aroclor® 1016	12674-11-2	X	-	-	-
aroclor® 1260	11096-82-5	X	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Polychlorinated biphenyls	11096-82-5	Prop 65 Cancer

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
hexane	110-54-3	X	X	X	-
aroclor® 1016	12674-11-2	-	X	X	X
aroclor® 1260	11096-82-5	-	X	X	X

16. OTHER INFORMATION

Prior Version Date: 03/28/13

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding prodcuts described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Reagent

O_PCBLLsurr_00036

Organic Prep
Spike / Surrogate Verification Form

3405217
ID: O_PCBLLsurr_00036
Exp: 11/24/16 Prpd: CPH Crt: 05/24/16
608PCB/8081/82 LVI surrog

Spike/Surrogate Method: 608PCB/8082 LL 8081 LVI / 8082 LVI TALs Reagent ID:

Spike/Surrogate Code: A318

Prepared By / Date: cm 05-24-16

Date Submitted for Analysis: 05-24-16

Solvent Exchanged? (YES) NO

Solvent Used for Exchange: Hexane

Final Concentrated Volume: 1.0 mL

Final Method Volume: 2.0 mL

Final Method Volume Done by Prep? (Yes) No

Date of Analysis: 5-24-16

Analyzed By: KS

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep

Preliminary Report

TestAmerica Buffalo

LCS, Lab Control Sample Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160524-53504.b\7_05-344.D				
Lims ID:	O_PCBLLsurr_00036				
Client ID:					
Sample Type:	LCS				
Inject. Date:	24-May-2016 20:44:45	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160524-53504.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	24-May-2016 21:14:41	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK052				

Detector 1: Ch-A-7A136

Compound	Amount Added	Amount Recovered	%Rec
$ 6 Tetrachloro-m-xylene	0.0200	0.0163	81.73
$ 15 DCB Decachlorobiphenyl	0.0200	0.0203	101.47

Detector 2: Ch-B-7b136

Compound	Amount Added	Amount Recovered	%Rec
$ 6 Tetrachloro-m-xylene	0.0200	0.0166	82.76
$ 15 DCB Decachlorobiphenyl	0.0200	0.0203	101.39

Reagent

O_pest/pcbsur_00012

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3223.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

3168915
ID: O_pest/pcbsur_00012
Exp: 07/31/21 Prpd: TRG
Pesticides Surrogate Stan

Catalog No. : 32000 **Lot No.:** A0110174

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2021 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	200.5 µg/mL	+/- 1.1685	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.2387	µg/mL	Unstressed
	Purity 98%		+/- 8.2997	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.2 µg/mL	+/- 1.1667	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.2291	µg/mL	Unstressed
	Purity 99%		+/- 8.2870	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

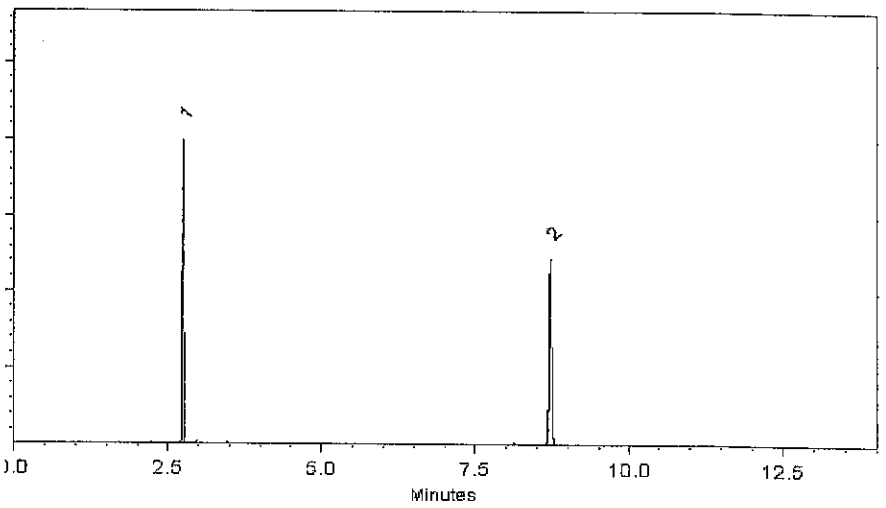
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 07-Apr-2015 **Balance:** 1128360905

Jennifer L. Pollino - QC Analyst

Date Passed: 10-Apr-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

1. IDENTIFICATION

Catalog Number / Product Name:	**32000, 32000-5XX, & 32100 / Pesticide Surrogate Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	1-800-424-9300 (CHEMTREC) +1 703-741-5970 (Outside the US)
Email:	sds@restek.com
Revision Number:	9
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:

Flammable Liquid Category 2
Serious Eye Damage/Eye Irritation Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word:

Danger

GHS Hazard:

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

GHS Precautions:

Safety Precautions:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs:	No data available.
Repeated Exposure Target Organs:	No data available.

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
Acetone	67-64-1	200-662-2	99.960000

4. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
Acetone	67-64-1	2500 ppm IDLH (10% LEL)	750 ppm STEL 750 ppm STEL; 1782 mg/m3 STEL	500 ppm TWA 500 ppm TWA; 1188 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Respiratory Protection: No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

Medical Conditions Aggravated By Exposure: Respiratory disease including asthma and bronchitis

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	Depends upon product selection
Odor:	Strong
Physical State:	No data available.
pH:	No data available
Vapor Density:	2.0 (air = 1)
Melting Point:	-95.4 °C Melting Point
Flash Point:	39
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	465 deg C
Decomposition Temperature:	No data available.
Specific Gravity:	0.7845 g/cm3 at 25 °C
Evaporation Rate:	No data available.
Odor Threshold:	ND
Solubility:	Complete; 100%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	58.08

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	No data available.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents Strong acids
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Respiratory Tract, Skin
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.
Skin Contact:	Can cause minor skin irritation, defatting, and dermatitis.
Eye Contact:	Can cause minor irritation, tearing and reddening.
Ingestion Irritation:	May be harmful if swallowed.
Ingestion Toxicity:	Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Inhalation: Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Acetone	67-64-1	Inhalation LC50 Rat 50100 mg/m3 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available.	

ACGIH:

Chemical Name	CAS No.	
Acetone	67-64-1	A4 - Not Classifiable as a Human Carcinogen

NIOSH:

Chemical Name	CAS No.
No data available.	

NTP:

Chemical Name	CAS No.
No data available.	

IARC:

Chemical Name	CAS No.	Group No.
No data.		Group 1
No data.		Group 2A
No data.		Group 2B

12. ECOLOGICAL INFORMATION

Overview: This material is not expected to be harmful to the ecology.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: No data
Ecological Toxicity Data: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Acetone
UN Number: UN1090
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Acetone
UN Number: UN1090
Hazard Class: 3
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant

No data available.			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
Acetone	67-64-1	X	-	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
Acetone	67-64-1	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/01/14

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding prodcuts described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Reagent

Vinyl Acetate_00061

VA 61

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED ISO Guide 34 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0116748

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2016 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)*	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate **CAS #** 108-05-4 **Purity** 99% (Lot STBD7333V)	5,000.0 µg/mL	+/- 29.3428 +/- 301.6985 +/- 302.4147	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (30) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B111-AREA2-S1	480-101258-23	108	143 X *	51 X *
B111-AREA2-S2	480-101258-24	113	145 X *	49 X *
B112-AREA2-S1	480-101258-25	104	122	58 X
B112-AREA2-S2	480-101258-26	116	149 X *	48 X *
B113-AREA2-S1	480-101258-27	108	129 X *	53 X *
B113-AREA2-S2	480-101258-28	112 *	148 X *	46 X *
B114-AREA2-S1	480-101258-29	103	136 X *	52 X *
B114-AREA2-S2	480-101258-30	104	98	87
B101-AREA2-S1	480-101258-31	112	143 X *	51 X *
B101-AREA2-S2	480-101258-32	116	142 X *	46 X *
B102-AREA2-S1	480-101258-33	106	106	58 X
B102-AREA2-S2	480-101258-34	108	122	48 X
B103-AREA2-S1	480-101258-35	102	101	64 X
B103-AREA2-S2	480-101258-36	105	139 X *	48 X *
B109-AREA2-S1	480-101258-37	98	104	81
B109-AREA2-S2	480-101258-38	104	94	90
B110-AREA2-S1	480-101258-39	98	106	73
B110-AREA2-S2	480-101258-40	105	98	89
B115-AREA2-S1	480-101258-41	103	98	92
B115-AREA2-S2	480-101258-42	103	135 X *	51 X *
B-AREA2-DUP5	480-101258-43	104 *	141 X *	40 X *
	MB 480-306491/2-A	101	96	96
	MB 480-306571/2-A	103	95	101
	LCS 480-306491/1-A	105	96	100
	LCS 480-306571/1-A	101	94	101

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B102-AREA2-S1 DL	480-101258-33 DL	104	93	110
B103-AREA2-S1 DL	480-101258-35 DL	104	92	110
B103-AREA2-S2 DL	480-101258-36 DL	107	92	112
B110-AREA2-S1 DL	480-101258-39 DL	103	94	102
B115-AREA2-S1 DL	480-101258-41 DL	104	99	109
	MB 480-306673/2-A	103	97	108
	LCS 480-306673/1-A	98	96	105

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7177.D

Lab ID: LCS 480-306491/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	48.4	52.7	109	77-121	
1,1,2,2-Tetrachloroethane	48.4	48.2	100	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	48.4	47.1	97	60-140	
1,1,2-Trichloroethane	48.4	46.3	95	78-122	
1,1-Dichloroethane	48.4	47.8	99	73-126	
1,1-Dichloroethene	48.4	46.3	96	59-125	
1,2,4-Trichlorobenzene	48.4	46.1	95	64-120	
1,2-Dibromo-3-Chloropropane	48.4	53.9	111	63-124	
1,2-Dibromoethane	48.4	48.9	101	78-120	
1,2-Dichlorobenzene	48.4	47.6	98	75-120	
1,2-Dichloroethane	48.4	52.6	109	77-122	
1,2-Dichloropropane	48.4	45.7	94	75-124	
1,3-Dichlorobenzene	48.4	48.1	99	74-120	
1,4-Dichlorobenzene	48.4	47.3	98	73-120	
2-Butanone (MEK)	242	259	107	70-134	
2-Hexanone	242	245	101	59-130	
4-Methyl-2-pentanone (MIBK)	242	238	98	65-133	
Acetone	242	288	119	61-137	
Benzene	48.4	47.7	98	79-127	
Bromodichloromethane	48.4	51.2	106	80-122	
Bromoform	48.4	50.2	104	68-126	
Bromomethane	48.4	43.7	90	37-149	
Carbon disulfide	48.4	46.2	95	64-131	
Carbon tetrachloride	48.4	53.8	111	75-135	
Chlorobenzene	48.4	46.6	96	76-124	
Chloroethane	48.4	44.1	91	69-135	
Chloroform	48.4	50.3	104	80-118	
Chloromethane	48.4	42.4	87	63-127	
cis-1,2-Dichloroethene	48.4	47.5	98	81-117	
cis-1,3-Dichloropropene	48.4	49.2	101	82-120	
Cyclohexane	48.4	45.4	94	65-106	
Dibromochloromethane	48.4	50.2	104	76-125	
Dichlorodifluoromethane	48.4	58.3	120	57-142	
Ethylbenzene	48.4	47.3	98	80-120	
Isopropylbenzene	48.4	47.9	99	72-120	
Methyl acetate	242	248	102	55-136	
Methyl tert-butyl ether	48.4	50.2	104	63-125	
Methylcyclohexane	48.4	45.8	95	60-140	
Methylene Chloride	48.4	48.3	100	61-127	
Styrene	48.4	46.7	96	80-120	
Tetrachloroethene	48.4	47.4	98	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7177.D

Lab ID: LCS 480-306491/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	48.4	46.2	95	74-128	
trans-1,2-Dichloroethene	48.4	47.7	99	78-126	
trans-1,3-Dichloropropene	48.4	48.6	100	73-123	
Trichloroethene	48.4	49.7	103	77-129	
Trichlorofluoromethane	48.4	51.8	107	65-146	
Vinyl chloride	48.4	42.8	88	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7202.D

Lab ID: LCS 480-306571/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	49.5	51.6	104	77-121	
1,1,2,2-Tetrachloroethane	49.5	48.2	97	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	49.5	49.0	99	60-140	
1,1,2-Trichloroethane	49.5	46.9	95	78-122	
1,1-Dichloroethane	49.5	45.7	92	73-126	
1,1-Dichloroethene	49.5	47.8	97	59-125	
1,2,4-Trichlorobenzene	49.5	46.0	93	64-120	
1,2-Dibromo-3-Chloropropane	49.5	54.7	110	63-124	
1,2-Dibromoethane	49.5	49.1	99	78-120	
1,2-Dichlorobenzene	49.5	46.6	94	75-120	
1,2-Dichloroethane	49.5	51.1	103	77-122	
1,2-Dichloropropane	49.5	43.7	88	75-124	
1,3-Dichlorobenzene	49.5	45.7	92	74-120	
1,4-Dichlorobenzene	49.5	45.5	92	73-120	
2-Butanone (MEK)	248	267	108	70-134	
2-Hexanone	248	251	101	59-130	
4-Methyl-2-pentanone (MIBK)	248	250	101	65-133	
Acetone	248	306	124	61-137	
Benzene	49.5	45.5	92	79-127	
Bromodichloromethane	49.5	49.7	100	80-122	
Bromoform	49.5	50.2	101	68-126	
Bromomethane	49.5	46.1	93	37-149	
Carbon disulfide	49.5	44.6	90	64-131	
Carbon tetrachloride	49.5	51.6	104	75-135	
Chlorobenzene	49.5	44.9	91	76-124	
Chloroethane	49.5	45.6	92	69-135	
Chloroform	49.5	49.1	99	80-118	
Chloromethane	49.5	41.5	84	63-127	
cis-1,2-Dichloroethene	49.5	46.4	94	81-117	
cis-1,3-Dichloropropene	49.5	46.6	94	82-120	
Cyclohexane	49.5	42.6	86	65-106	
Dibromochloromethane	49.5	49.6	100	76-125	
Dichlorodifluoromethane	49.5	51.0	103	57-142	
Ethylbenzene	49.5	45.6	92	80-120	
Isopropylbenzene	49.5	45.7	92	72-120	
Methyl acetate	248	252	102	55-136	
Methyl tert-butyl ether	49.5	50.8	103	63-125	
Methylcyclohexane	49.5	44.6	90	60-140	
Methylene Chloride	49.5	48.2	97	61-127	
Styrene	49.5	44.7	90	80-120	
Tetrachloroethene	49.5	45.2	91	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7202.D

Lab ID: LCS 480-306571/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	49.5	44.6	90	74-128	
trans-1,2-Dichloroethene	49.5	45.7	92	78-126	
trans-1,3-Dichloropropene	49.5	48.3	97	73-123	
Trichloroethene	49.5	47.2	95	77-129	
Trichlorofluoromethane	49.5	51.8	105	65-146	
Vinyl chloride	49.5	42.1	85	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4630.D

Lab ID: LCS 480-306673/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2440	3120	128	68-130	
1,1,2,2-Tetrachloroethane	2440	2300	94	73-119	
1,1,2-Trichloro-1,2,2-trifluoroethane	2440	3070	126	10-179	
1,1,2-Trichloroethane	2440	2660	109	81-115	
1,1-Dichloroethane	2440	2700	111	78-121	
1,1-Dichloroethene	2440	2710	111	48-133	
1,2,4-Trichlorobenzene	2440	2350	97	70-140	
1,2-Dibromo-3-Chloropropane	2440	2070	85	56-122	
1,2-Dibromoethane	2440	2660	109	81-119	
1,2-Dichlorobenzene	2440	2370	97	78-125	
1,2-Dichloroethane	2440	2650	109	74-127	
1,2-Dichloropropane	2440	2820	116	81-115	*
1,3-Dichlorobenzene	2440	2460	101	82-114	
1,4-Dichlorobenzene	2440	2410	99	81-113	
2-Butanone (MEK)	12200	13700	113	54-149	
2-Hexanone	12200	14700	120	59-127	
4-Methyl-2-pentanone (MIBK)	12200	12800	105	74-120	
Acetone	12200	10600	87	47-141	
Benzene	2440	2640	108	77-125	
Bromodichloromethane	2440	2630	108	71-121	
Bromoform	2440	2810	115	48-125	
Bromomethane	2440	1920	79	39-149	
Carbon disulfide	2440	2610	107	40-136	
Carbon tetrachloride	2440	3230	133	54-135	
Chlorobenzene	2440	2740	112	76-126	
Chloroethane	2440	2210	91	23-164	
Chloroform	2440	2590	106	78-118	
Chloromethane	2440	2600	107	61-124	
cis-1,2-Dichloroethene	2440	2480	102	79-124	
cis-1,3-Dichloropropene	2440	2590	106	75-121	
Cyclohexane	2440	3230	133	49-129	*
Dibromochloromethane	2440	2820	116	64-118	
Dichlorodifluoromethane	2440	2820	116	10-150	
Ethylbenzene	2440	2570	105	78-124	
Isopropylbenzene	2440	2630	108	76-119	
Methyl acetate	12200	14200	117	71-123	
Methyl tert-butyl ether	2440	2590	106	67-137	
Methylcyclohexane	2440	2840	117	50-130	
Methylene Chloride	2440	2560	105	75-118	
Styrene	2440	2680	110	84-119	
Tetrachloroethene	2440	2870	118	73-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4630.D

Lab ID: LCS 480-306673/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	2440	2720	111	75-124	
trans-1,2-Dichloroethene	2440	2790	114	74-129	
trans-1,3-Dichloropropene	2440	2650	109	73-118	
Trichloroethene	2440	2830	116	75-131	
Trichlorofluoromethane	2440	3090	127	29-158	
Vinyl chloride	2440	2630	108	59-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: F7179.D Lab Sample ID: MB 480-306491/2-A

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

Instrument ID: HP5973F Date Analyzed: 06/14/2016 01:00

GC Column: ZB-624 (30) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306491/1-A	F7177.D	06/14/2016 00:08
B111-AREA2-S1	480-101258-23	F7183.D	06/14/2016 02:46
B111-AREA2-S2	480-101258-24	F7184.D	06/14/2016 03:12
B112-AREA2-S1	480-101258-25	F7185.D	06/14/2016 03:38
B112-AREA2-S2	480-101258-26	F7186.D	06/14/2016 04:04
B113-AREA2-S1	480-101258-27	F7187.D	06/14/2016 04:30
B113-AREA2-S2	480-101258-28	F7188.D	06/14/2016 04:56
B114-AREA2-S1	480-101258-29	F7189.D	06/14/2016 05:21
B114-AREA2-S2	480-101258-30	F7190.D	06/14/2016 05:47
B101-AREA2-S1	480-101258-31	F7191.D	06/14/2016 06:12
B101-AREA2-S2	480-101258-32	F7192.D	06/14/2016 06:38
B102-AREA2-S1	480-101258-33	F7193.D	06/14/2016 07:04

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: F7204.D Lab Sample ID: MB 480-306571/2-A

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

Instrument ID: HP5973F Date Analyzed: 06/14/2016 11:59

GC Column: ZB-624 (30) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306571/1-A	F7202.D	06/14/2016 11:07
B102-AREA2-S2	480-101258-34	F7205.D	06/14/2016 12:34
B103-AREA2-S1	480-101258-35	F7206.D	06/14/2016 13:00
B103-AREA2-S2	480-101258-36	F7207.D	06/14/2016 13:26
B109-AREA2-S1	480-101258-37	F7208.D	06/14/2016 13:51
B109-AREA2-S2	480-101258-38	F7209.D	06/14/2016 14:17
B110-AREA2-S1	480-101258-39	F7210.D	06/14/2016 14:43
B110-AREA2-S2	480-101258-40	F7211.D	06/14/2016 15:08
B115-AREA2-S1	480-101258-41	F7212.D	06/14/2016 15:34
B115-AREA2-S2	480-101258-42	F7213.D	06/14/2016 15:59
B-AREA2-DUP5	480-101258-43	F7214.D	06/14/2016 16:25

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: N4633.D Lab Sample ID: MB 480-306673/2-A

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

Instrument ID: HP5973N Date Analyzed: 06/14/2016 23:51

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306673/1-A	N4630.D	06/14/2016 22:31
B110-AREA2-S1 DL	480-101258-39 DL	N4639.D	06/15/2016 02:32
B115-AREA2-S1 DL	480-101258-41 DL	N4640.D	06/15/2016 02:59
B102-AREA2-S1 DL	480-101258-33 DL	N4672.D	06/15/2016 17:38
B103-AREA2-S1 DL	480-101258-35 DL	N4673.D	06/15/2016 18:05
B103-AREA2-S2 DL	480-101258-36 DL	N4674.D	06/15/2016 18:31

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

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: F7020.D BFB Injection Date: 06/08/2016

Instrument ID: HP5973F BFB Injection Time: 12:11

Analysis Batch No.: 305628

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	79.5	
175	5.0 - 9.0 % of mass 174	6.1	(7.6) 1
176	95.0 - 101.0 % of mass 174	77.5	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.8) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-305628/5	F7022.D	06/08/2016	13:08
	IC 480-305628/6	F7023.D	06/08/2016	13:34
	IC 480-305628/7	F7024.D	06/08/2016	13:59
	IC 480-305628/8	F7025.D	06/08/2016	14:25
	ICIS 480-305628/9	F7026.D	06/08/2016	14:51
	IC 480-305628/10	F7027.D	06/08/2016	15:17
	IC 480-305628/11	F7028.D	06/08/2016	15:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: F7174.D BFB Injection Date: 06/13/2016

Instrument ID: HP5973F BFB Injection Time: 22:11

Analysis Batch No.: 306490

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	58.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.2	
175	5.0 - 9.0 % of mass 174	6.1	(7.6) 1
176	95.0 - 101.0 % of mass 174	78.8	(98.3) 1
177	5.0 - 9.0 % of mass 176	5.7	(7.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306490/3	F7175.D	06/13/2016	22:44
	LCS 480-306491/1-A	F7177.D	06/14/2016	00:08
	MB 480-306491/2-A	F7179.D	06/14/2016	01:00
B111-AREA2-S1	480-101258-23	F7183.D	06/14/2016	02:46
B111-AREA2-S2	480-101258-24	F7184.D	06/14/2016	03:12
B112-AREA2-S1	480-101258-25	F7185.D	06/14/2016	03:38
B112-AREA2-S2	480-101258-26	F7186.D	06/14/2016	04:04
B113-AREA2-S1	480-101258-27	F7187.D	06/14/2016	04:30
B113-AREA2-S2	480-101258-28	F7188.D	06/14/2016	04:56
B114-AREA2-S1	480-101258-29	F7189.D	06/14/2016	05:21
B114-AREA2-S2	480-101258-30	F7190.D	06/14/2016	05:47
B101-AREA2-S1	480-101258-31	F7191.D	06/14/2016	06:12
B101-AREA2-S2	480-101258-32	F7192.D	06/14/2016	06:38
B102-AREA2-S1	480-101258-33	F7193.D	06/14/2016	07:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: F7199.D BFB Injection Date: 06/14/2016

Instrument ID: HP5973F BFB Injection Time: 09:29

Analysis Batch No.: 306570

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.9	
75	30.0 - 60.0 % of mass 95	53.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.0	
175	5.0 - 9.0 % of mass 174	5.6	(7.3) 1
176	95.0 - 101.0 % of mass 174	73.4	(95.3) 1
177	5.0 - 9.0 % of mass 176	4.4	(6.0) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306570/2	F7200.D	06/14/2016	10:04
	LCS 480-306571/1-A	F7202.D	06/14/2016	11:07
	MB 480-306571/2-A	F7204.D	06/14/2016	11:59
B102-AREA2-S2	480-101258-34	F7205.D	06/14/2016	12:34
B103-AREA2-S1	480-101258-35	F7206.D	06/14/2016	13:00
B103-AREA2-S2	480-101258-36	F7207.D	06/14/2016	13:26
B109-AREA2-S1	480-101258-37	F7208.D	06/14/2016	13:51
B109-AREA2-S2	480-101258-38	F7209.D	06/14/2016	14:17
B110-AREA2-S1	480-101258-39	F7210.D	06/14/2016	14:43
B110-AREA2-S2	480-101258-40	F7211.D	06/14/2016	15:08
B115-AREA2-S1	480-101258-41	F7212.D	06/14/2016	15:34
B115-AREA2-S2	480-101258-42	F7213.D	06/14/2016	15:59
B-AREA2-DUP5	480-101258-43	F7214.D	06/14/2016	16:25

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: N3472.D BFB Injection Date: 05/18/2016

Instrument ID: HP5973N BFB Injection Time: 16:10

Analysis Batch No.: 302462

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.5	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	50.0 - 120.00 % of mass 95	72.3	
175	5.0 - 9.0 % of mass 174	5.1	(7.1) 1
176	95.0 - 101.0 % of mass 174	69.9	(96.7) 1
177	5.0 - 9.0 % of mass 176	5.1	(7.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-302462/4	N3474.D	05/18/2016	17:04
	IC 480-302462/5	N3475.D	05/18/2016	17:31
	IC 480-302462/6	N3476.D	05/18/2016	17:58
	IC 480-302462/7	N3477.D	05/18/2016	18:25
	IC 480-302462/8	N3478.D	05/18/2016	18:51
	ICIS 480-302462/9	N3479.D	05/18/2016	19:18
	IC 480-302462/10	N3480.D	05/18/2016	19:45
	IC 480-302462/11	N3481.D	05/18/2016	20:11

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: N4627.D BFB Injection Date: 06/14/2016

Instrument ID: HP5973N BFB Injection Time: 21:11

Analysis Batch No.: 306675

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.4	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	81.4	
175	5.0 - 9.0 % of mass 174	5.9	(7.2) 1
176	95.0 - 101.0 % of mass 174	80.3	(98.7) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306675/2	N4628.D	06/14/2016	21:37
	LCS 480-306673/1-A	N4630.D	06/14/2016	22:31
	MB 480-306673/2-A	N4633.D	06/14/2016	23:51
B110-AREA2-S1 DL	480-101258-39 DL	N4639.D	06/15/2016	02:32
B115-AREA2-S1 DL	480-101258-41 DL	N4640.D	06/15/2016	02:59

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab File ID: N4652.D BFB Injection Date: 06/15/2016

Instrument ID: HP5973N BFB Injection Time: 08:27

Analysis Batch No.: 306755

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.6	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.7	(0.8) 1
174	50.0 - 120.00 % of mass 95	85.9	
175	5.0 - 9.0 % of mass 174	6.7	(7.8) 1
176	95.0 - 101.0 % of mass 174	85.3	(99.3) 1
177	5.0 - 9.0 % of mass 176	6.0	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306755/2	N4653.D	06/15/2016	08:56
B102-AREA2-S1 DL	480-101258-33 DL	N4672.D	06/15/2016	17:38
B103-AREA2-S1 DL	480-101258-35 DL	N4673.D	06/15/2016	18:05
B103-AREA2-S2 DL	480-101258-36 DL	N4674.D	06/15/2016	18:31

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: ICIS 480-305628/9 Date Analyzed: 06/08/2016 14:51

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm)

Lab File ID (Standard): F7026.D Heated Purge: (Y/N) Y

Calibration ID: 27710

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		245779	5.28	499170	8.08	450599	10.44
UPPER LIMIT		491558	5.78	998340	8.58	901198	10.94
LOWER LIMIT		122890	4.78	249585	7.58	225300	9.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-306490/3		193355	5.28	412783	8.08	359971	10.44
CCVIS 480-306570/2		188400	5.28	402320	8.08	357126	10.44

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-306490/3 Date Analyzed: 06/13/2016 22:44

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm)

Lab File ID (Standard): F7175.D Heated Purge: (Y/N) Y

Calibration ID: 27713

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		193355	5.28	412783	8.08	359971	10.44
UPPER LIMIT		386710	5.78	825566	8.58	719942	10.94
LOWER LIMIT		96678	4.78	206392	7.58	179986	9.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306491/1-A		206811	5.29	436385	8.08	385794	10.44
MB 480-306491/2-A		198191	5.28	407477	8.08	350126	10.44
480-101258-23	B111-AREA2-S1	139136	5.28	140225*	8.08	49511*	10.44
480-101258-24	B111-AREA2-S2	102690	5.28	95562*	8.08	38017*	10.44
480-101258-25	B112-AREA2-S1	165403	5.28	227505	8.08	80379*	10.44
480-101258-26	B112-AREA2-S2	103671	5.27	93563*	8.08	34882*	10.44
480-101258-27	B113-AREA2-S1	153019	5.28	197650*	8.08	64106*	10.44
480-101258-28	B113-AREA2-S2	73920*	5.29	62672*	8.08	27403*	10.44
480-101258-29	B114-AREA2-S1	144377	5.28	167474*	8.09	50697*	10.44
480-101258-30	B114-AREA2-S2	174719	5.29	347962	8.08	233013	10.44
480-101258-31	B101-AREA2-S1	121269	5.28	122966*	8.08	48232*	10.44
480-101258-32	B101-AREA2-S2	112736	5.28	111872*	8.08	43513*	10.44
480-101258-33	B102-AREA2-S1	165114	5.28	290833	8.09	89549*	10.44

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-306570/2 Date Analyzed: 06/14/2016 10:04

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm)

Lab File ID (Standard): F7200.D Heated Purge: (Y/N) Y

Calibration ID: 27713

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		188400	5.28	402320	8.08	357126	10.44
UPPER LIMIT		376800	5.78	804640	8.58	714252	10.94
LOWER LIMIT		94200	4.78	201160	7.58	178563	9.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306571/1-A		190406	5.29	395941	8.08	358742	10.44
MB 480-306571/2-A		184657	5.27	391499	8.08	346520	10.44
480-101258-34	B102-AREA2-S2	167538	5.28	218506	8.08	53511*	10.44
480-101258-35	B103-AREA2-S1	180823	5.27	338387	8.08	120562*	10.44
480-101258-36	B103-AREA2-S2	138736	5.28	135944*	8.08	51127*	10.44
480-101258-37	B109-AREA2-S1	170673	5.29	305478	8.08	177676*	10.44
480-101258-38	B109-AREA2-S2	177059	5.28	361146	8.08	246721	10.44
480-101258-39	B110-AREA2-S1	171612	5.28	292668	8.08	132918*	10.44
480-101258-40	B110-AREA2-S2	165470	5.28	319681	8.08	221955	10.44
480-101258-41	B115-AREA2-S1	166464	5.29	326778	8.08	232947	10.44
480-101258-42	B115-AREA2-S2	134145	5.28	141015*	8.08	51267*	10.44
480-101258-43	B-AREA2-DUP5	63054*	5.28	61055*	8.09	22649*	10.44

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: ICIS 480-302462/9 Date Analyzed: 05/18/2016 19:18

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N3479.D Heated Purge: (Y/N) N

Calibration ID: 27507

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		172739	5.56	556081	8.56	261733	10.94
UPPER LIMIT		345478	6.06	1112162	9.06	523466	11.44
LOWER LIMIT		86370	5.06	278041	8.06	130867	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-306675/2		96374	5.56	317996	8.56	156519	10.94
CCVIS 480-306755/2		96643	5.56	342705	8.56	167263	10.94

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-306675/2 Date Analyzed: 06/14/2016 21:37

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N4628.D Heated Purge: (Y/N) N

Calibration ID: 27505

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		96374	5.56	317996	8.56	156519	10.94
UPPER LIMIT		192748	6.06	635992	9.06	313038	11.44
LOWER LIMIT		48187	5.06	158998	8.06	78260	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306673/1-A		98906	5.56	317458	8.56	155734	10.94
MB 480-306673/2-A		98998	5.56	326861	8.56	152183	10.94
480-101258-39 DL	B110-AREA2-S1 DL	95772	5.56	334394	8.56	153492	10.94
480-101258-41 DL	B115-AREA2-S1 DL	87970	5.56	274685	8.56	139295	10.94

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-306755/2 Date Analyzed: 06/15/2016 08:56

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N4653.D Heated Purge: (Y/N) N

Calibration ID: 27505

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		96643	5.56	342705	8.56	167263	10.94
UPPER LIMIT		193286	6.06	685410	9.06	334526	11.44
LOWER LIMIT		48322	5.06	171353	8.06	83632	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-101258-33 DL	B102-AREA2-S1 DL	85834	5.56	287660	8.56	144768	10.94
480-101258-35 DL	B103-AREA2-S1 DL	86849	5.56	303021	8.56	150951	10.94
480-101258-36 DL	B103-AREA2-S2 DL	85016	5.56	298705	8.56	141477	10.94

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B111-AREA2-S1 | Lab Sample ID: 480-101258-23

Matrix: Solid | Lab File ID: F7183.D

Analysis Method: 8260C | Date Collected: 06/07/2016 10:20

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 02:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.4	0.70
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.4	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND	*	5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND	*	5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	0.45	J	5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND	*	5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND	*	5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B111-AREA2-S1 | Lab Sample ID: 480-101258-23

Matrix: Solid | Lab File ID: F7183.D

Analysis Method: 8260C | Date Collected: 06/07/2016 10:20

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 02:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	26		5.4	2.5
100-42-5	Styrene	ND	*	5.4	0.27
127-18-4	Tetrachloroethene	ND	*	5.4	0.73
108-88-3	Toluene	ND	*	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	51	X *	72-126
2037-26-5	Toluene-d8 (Surr)	143	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7183.D
Lims ID: 480-101258-A-23-B
Client ID: B111-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 02:46:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-23-B
Misc. Info.: 480-0054007-011
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:00 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:55:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	139136	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	140225	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	97	49511	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	108303	53.9	
$ 5 Toluene-d8 (Surr)	98	6.648	6.647	0.001	93	433270	71.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	85	50173	25.7	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.125	3.101	0.024	98	7976	2.61	
26 Carbon disulfide	76	3.253	3.253	0.000	97	9730	0.7778	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.423	3.429	-0.006	87	107425	24.0	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83	4.628	4.628	0.006	77	3049	0.4155	M
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

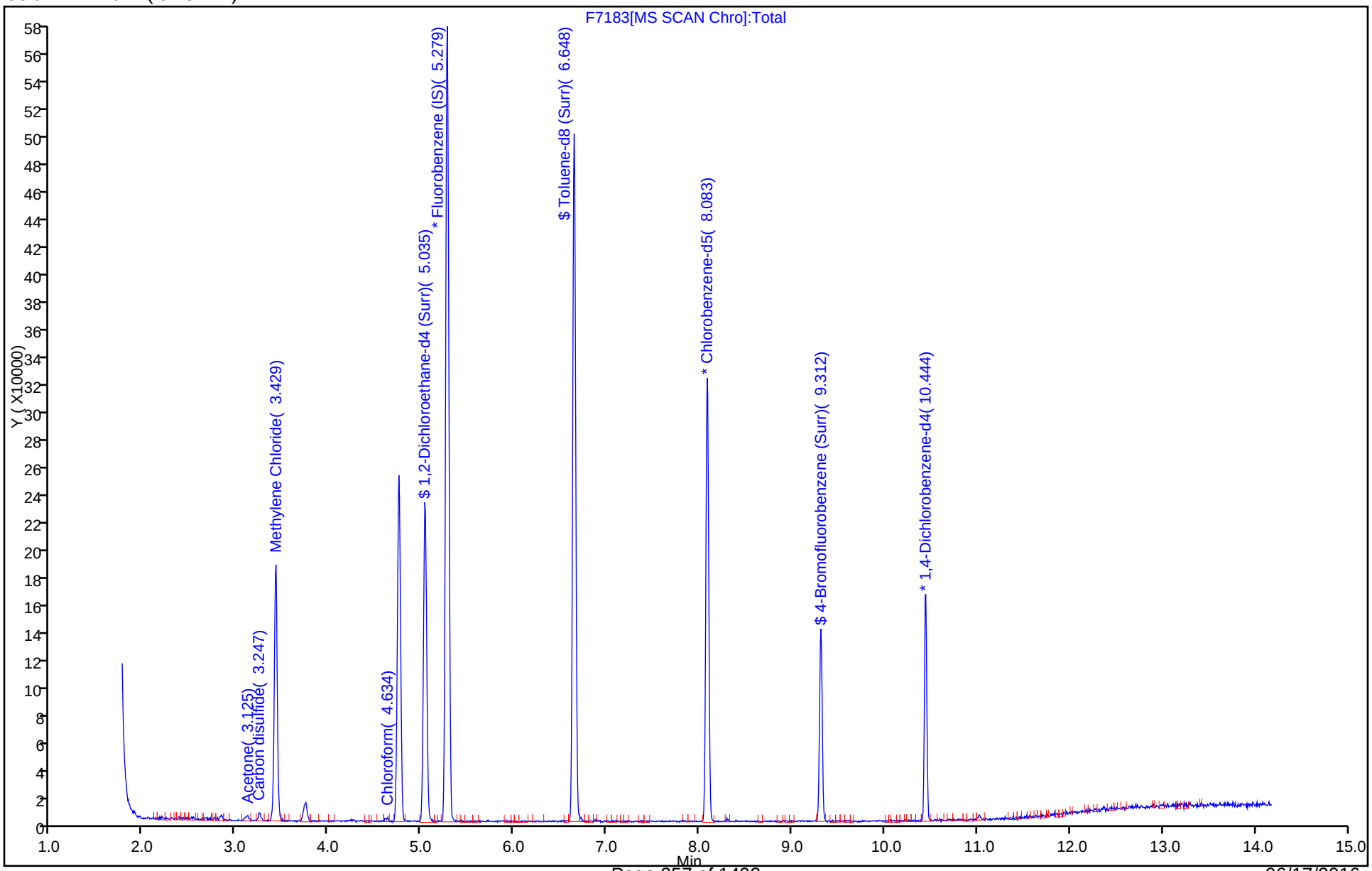
Report Date: 14-Jun-2016 09:55:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7183.D

Injection Date:	14-Jun-2016 02:46:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-23-B	Lab Sample ID:	480-101258-23	Worklist Smp#:	11
Client ID:	B111-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7183.D
Lims ID: 480-101258-A-23-B
Client ID: B111-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 02:46:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-23-B
Misc. Info.: 480-0054007-011
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:00 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:55:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	53.9	107.78
$ 5 Toluene-d8 (Surr)	50.0	71.5	142.94
$ 6 4-Bromofluorobenzene (Surr)	50.0	25.7	51.43

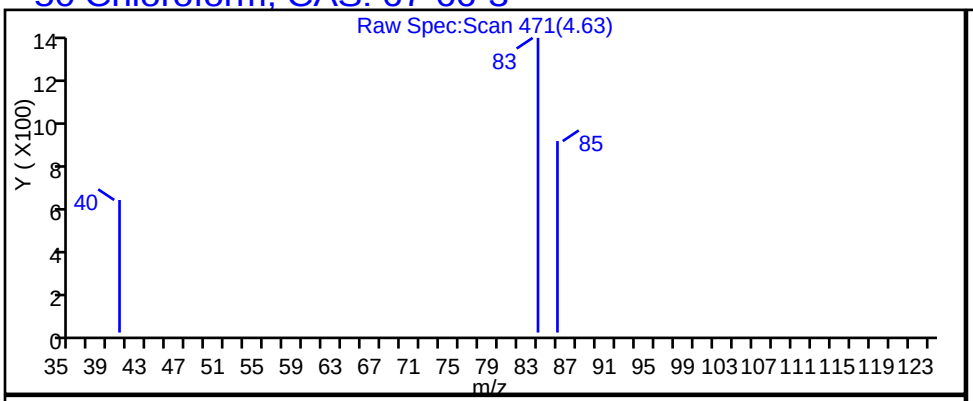
Report Date: 14-Jun-2016 09:55:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

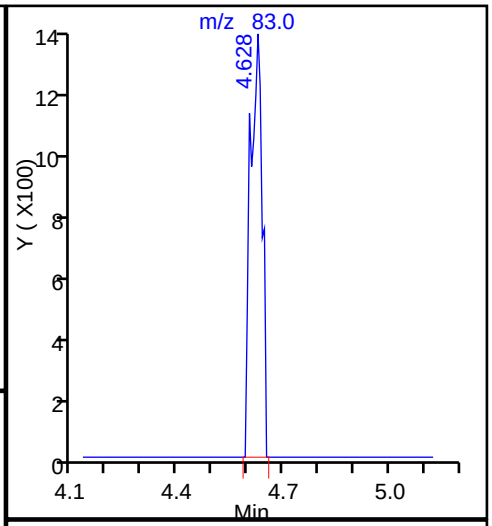
TestAmerica Buffalo

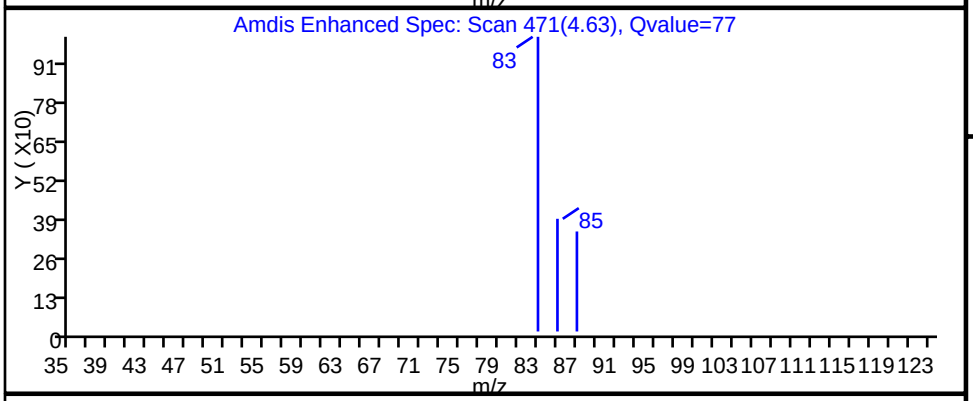
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7183.D

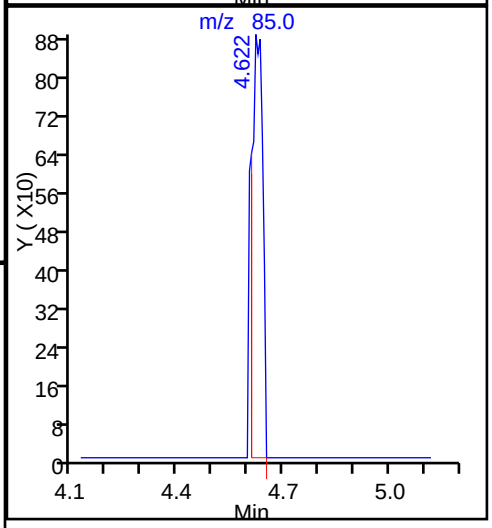
Injection Date:	14-Jun-2016 02:46:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-23-B	Lab Sample ID:	480-101258-23		
Client ID:	B111-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

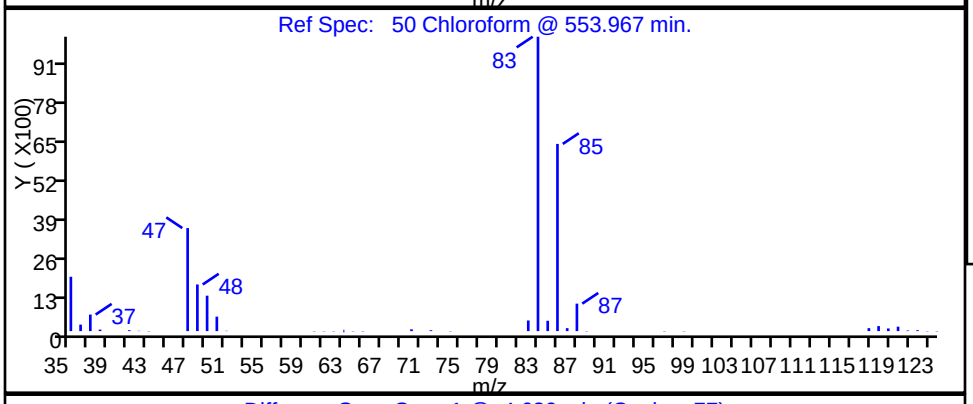
50 Chloroform, CAS: 67-66-3

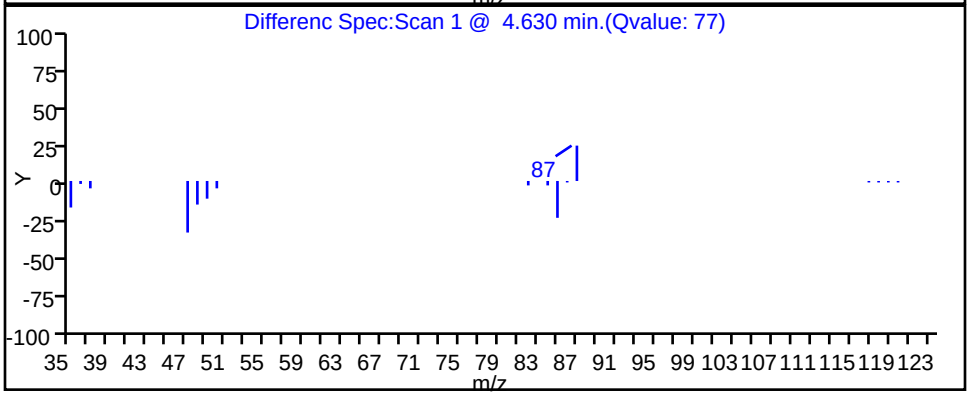












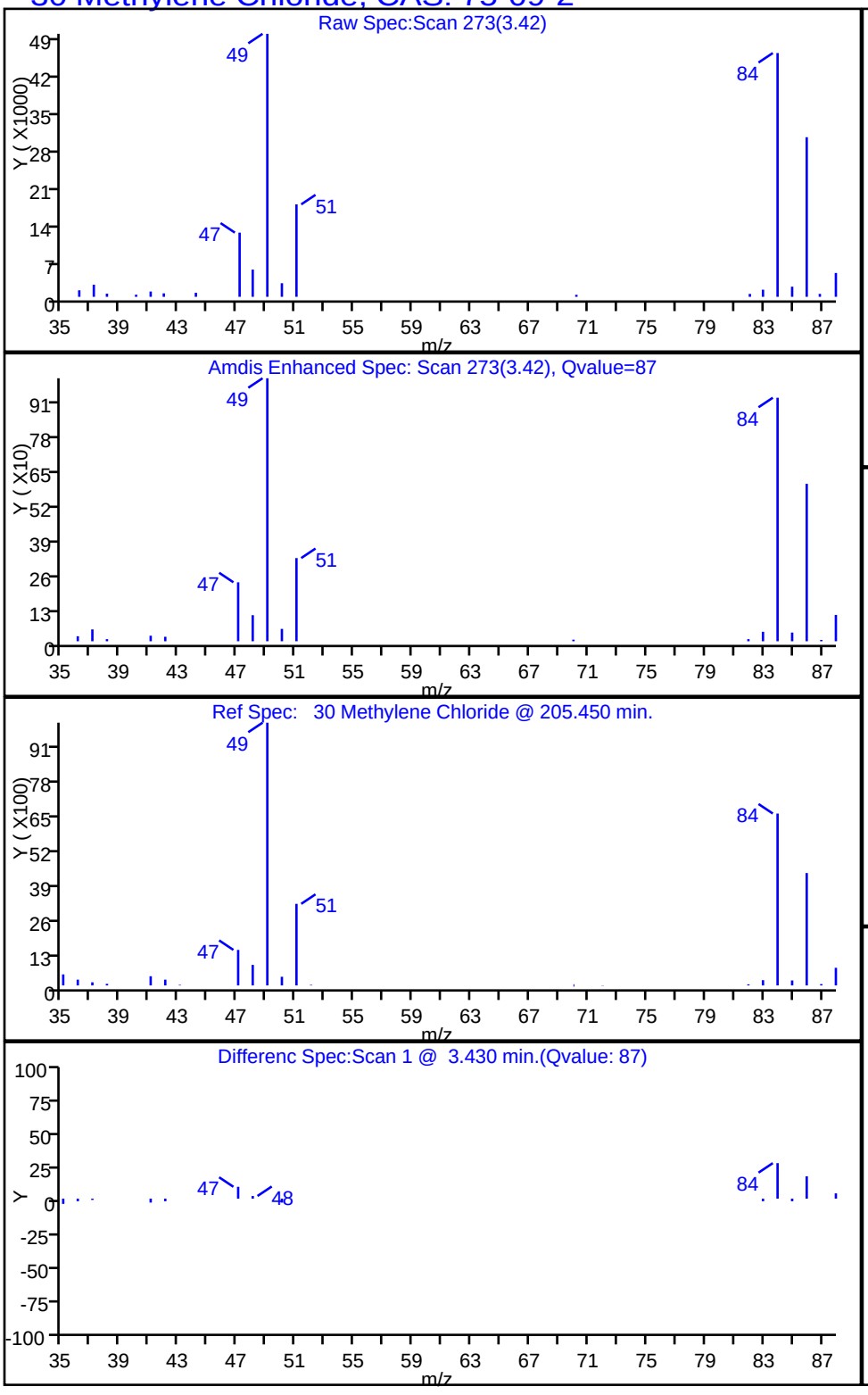
Report Date: 14-Jun-2016 09:55:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

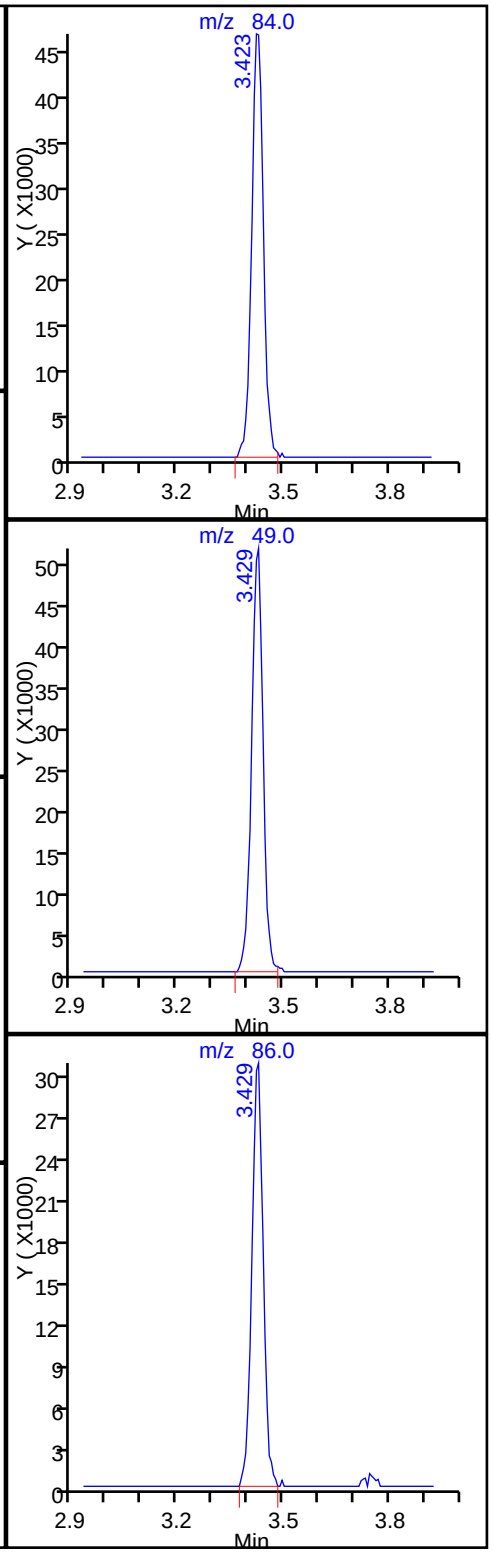
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7183.D

Injection Date:	14-Jun-2016 02:46:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-23-B	Lab Sample ID:	480-101258-23		
Client ID:	B111-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





Manual Integration/User Assign Peak Report

TestAmerica Buffalo

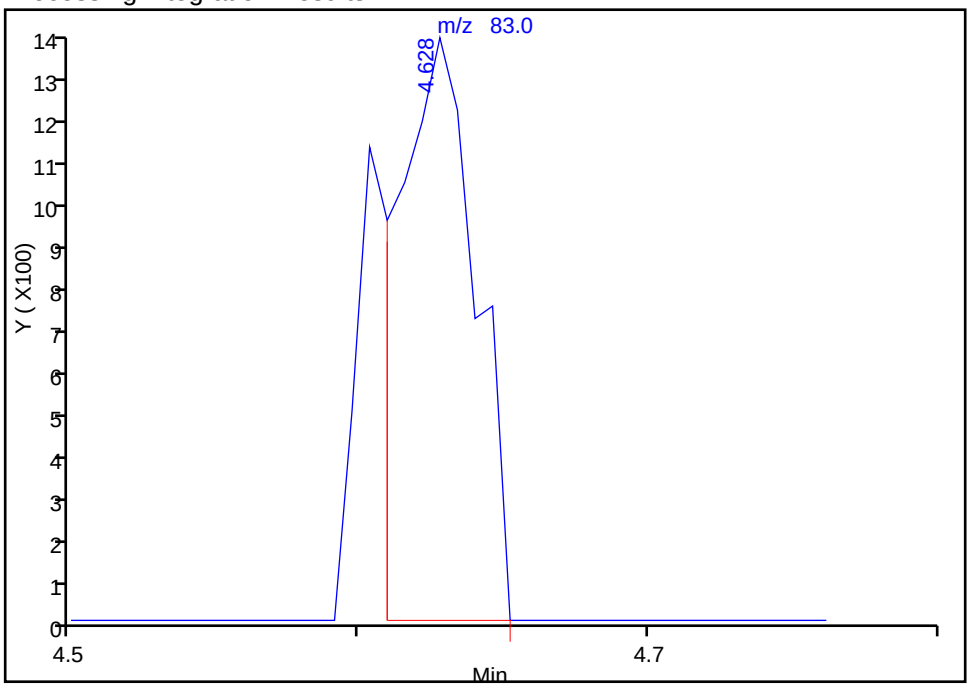
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7183.D				
Injection Date:	14-Jun-2016 02:46:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-23-B	Lab Sample ID:	480-101258-23		
Client ID:	B111-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

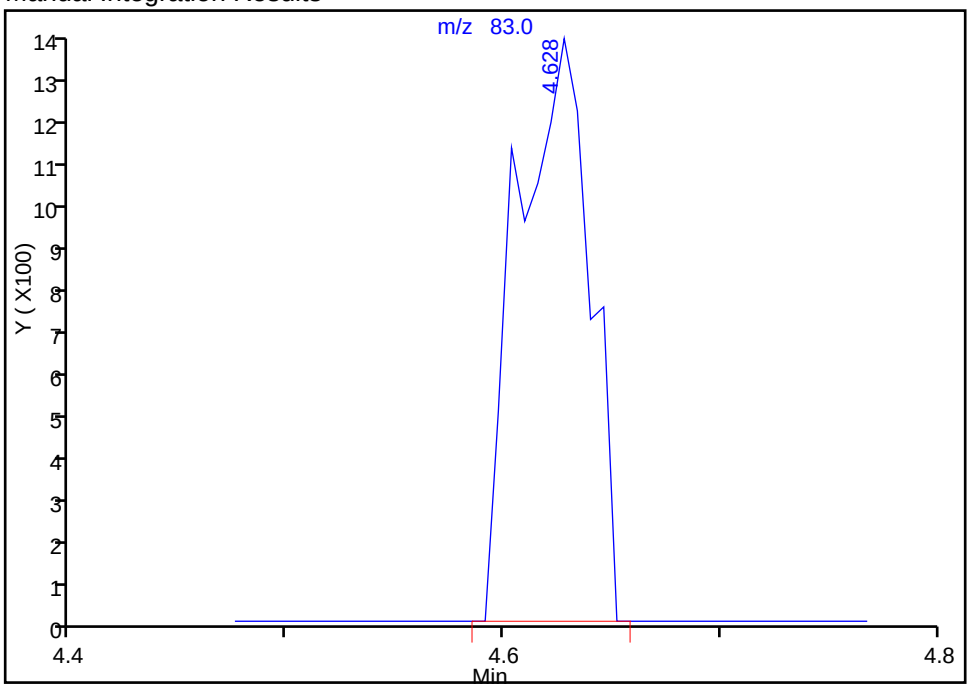
Processing Integration Results

RT: 4.63
Area: 2490
Amount: 0.339325
Amount Units: ug/kg



Manual Integration Results

RT: 4.63
Area: 3049
Amount: 0.415503
Amount Units: ug/kg



Reviewer: cwiklinc, 14-Jun-2016 09:55:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B111-AREA2-S2 | Lab Sample ID: 480-101258-24

Matrix: Solid | Lab File ID: F7184.D

Analysis Method: 8260C | Date Collected: 06/07/2016 10:55

Sample wt/vol: 5.04(g) | Date Analyzed: 06/14/2016 03:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.7	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.7	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3
79-00-5	1,1,2-Trichloroethane	ND	*	5.7	0.74
75-34-3	1,1-Dichloroethane	ND		5.7	0.69
75-35-4	1,1-Dichloroethene	ND		5.7	0.69
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.7	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.7	2.8
106-93-4	1,2-Dibromoethane	ND	*	5.7	0.73
95-50-1	1,2-Dichlorobenzene	ND	*	5.7	0.44
107-06-2	1,2-Dichloroethane	ND		5.7	0.28
78-87-5	1,2-Dichloropropane	ND		5.7	2.8
541-73-1	1,3-Dichlorobenzene	ND	*	5.7	0.29
106-46-7	1,4-Dichlorobenzene	ND	*	5.7	0.79
78-93-3	2-Butanone (MEK)	ND		28	2.1
591-78-6	2-Hexanone	ND	*	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	28	1.9
67-64-1	Acetone	22	J	28	4.8
71-43-2	Benzene	ND		5.7	0.28
75-27-4	Bromodichloromethane	ND		5.7	0.76
75-25-2	Bromoform	ND	*	5.7	2.8
74-83-9	Bromomethane	ND		5.7	0.51
75-15-0	Carbon disulfide	ND		5.7	2.8
56-23-5	Carbon tetrachloride	ND		5.7	0.55
108-90-7	Chlorobenzene	ND	*	5.7	0.75
75-00-3	Chloroethane	ND		5.7	1.3
67-66-3	Chloroform	1.8	J	5.7	0.35
74-87-3	Chloromethane	ND		5.7	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.7	0.73
10061-01-5	cis-1,3-Dichloropropene	ND		5.7	0.82
110-82-7	Cyclohexane	ND		5.7	0.79
124-48-1	Dibromochloromethane	ND	*	5.7	0.73
75-71-8	Dichlorodifluoromethane	ND		5.7	0.47
100-41-4	Ethylbenzene	ND	*	5.7	0.39
98-82-8	Isopropylbenzene	ND	*	5.7	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B111-AREA2-S2 | Lab Sample ID: 480-101258-24

Matrix: Solid | Lab File ID: F7184.D

Analysis Method: 8260C | Date Collected: 06/07/2016 10:55

Sample wt/vol: 5.04(g) | Date Analyzed: 06/14/2016 03:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.7	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.7	0.56
108-87-2	Methylcyclohexane	ND		5.7	0.86
75-09-2	Methylene Chloride	90		5.7	2.6
100-42-5	Styrene	ND	*	5.7	0.28
127-18-4	Tetrachloroethene	ND	*	5.7	0.76
108-88-3	Toluene	ND	*	5.7	0.43
156-60-5	trans-1,2-Dichloroethene	ND		5.7	0.59
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.7	2.5
79-01-6	Trichloroethene	ND		5.7	1.2
75-69-4	Trichlorofluoromethane	ND		5.7	0.54
75-01-4	Vinyl chloride	ND		5.7	0.69
1330-20-7	Xylenes, Total	ND		11	0.95

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		64-126
460-00-4	4-Bromofluorobenzene (Surr)	49	X *	72-126
2037-26-5	Toluene-d8 (Surr)	145	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7184.D
Lims ID: 480-101258-A-24-B
Client ID: B111-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 03:12:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-24-B
Misc. Info.: 480-0054007-012
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:55:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	102690	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	95562	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	97	38017	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	83618	56.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	298816	72.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.318	9.312	0.006	86	32681	24.6	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.113	3.101	0.012	98	19592	19.3	
26 Carbon disulfide	76	3.265	3.253	0.012	99	11431	1.24	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	87	235798	79.4	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83	4.628	4.622	0.006	93	8526	1.57	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

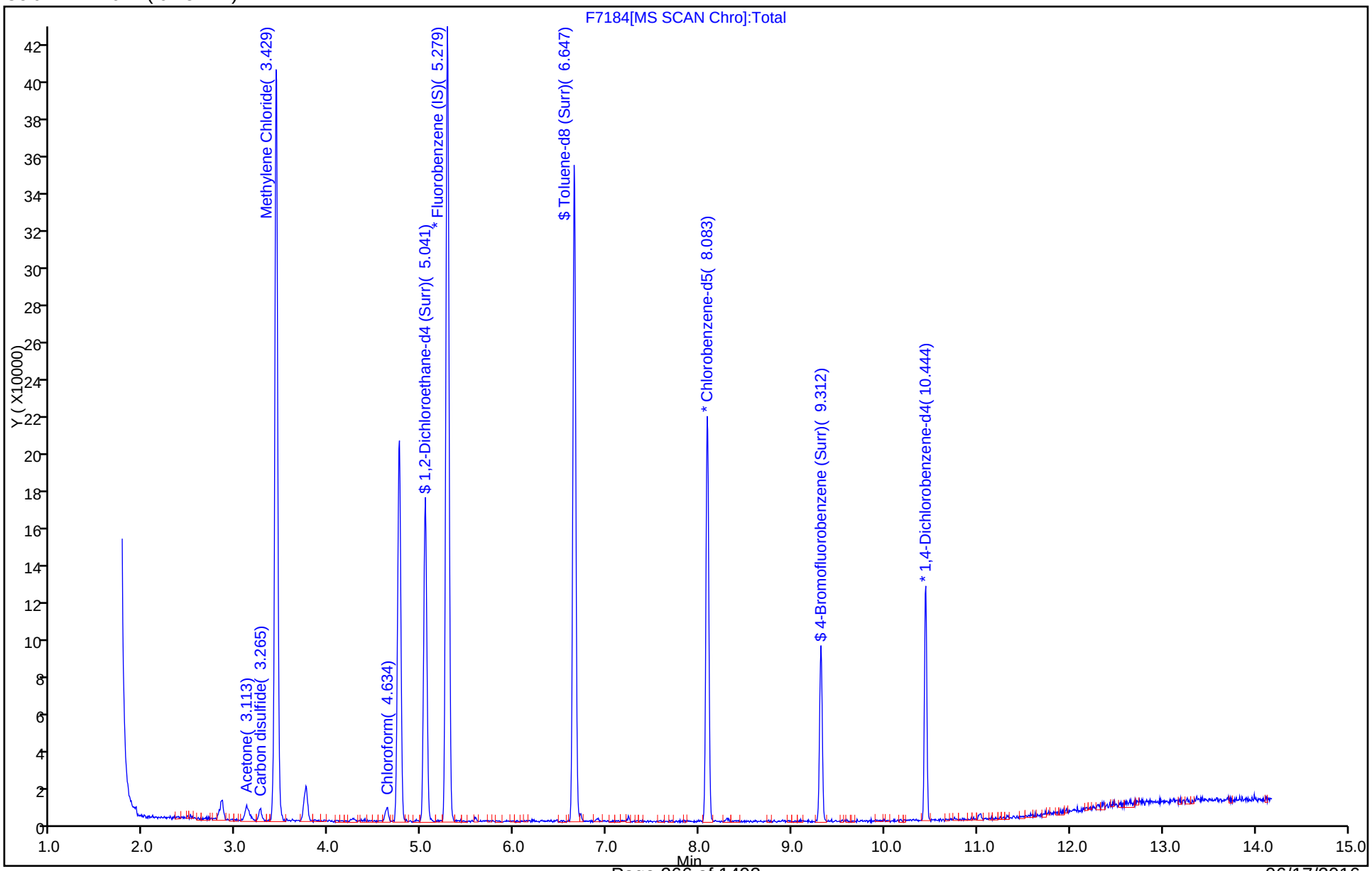
Report Date: 14-Jun-2016 09:55:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7184.D

Injection Date:	14-Jun-2016 03:12:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-24-B	Lab Sample ID:	480-101258-24	Worklist Smp#:	12
Client ID:	B111-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7184.D				
Lims ID:	480-101258-A-24-B				
Client ID:	B111-AREA2-S2				
Sample Type:	Client				
Inject. Date:	14-Jun-2016 03:12:30	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101258-A-24-B				
Misc. Info.:	480-0054007-012				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 09:55:52	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:55:52

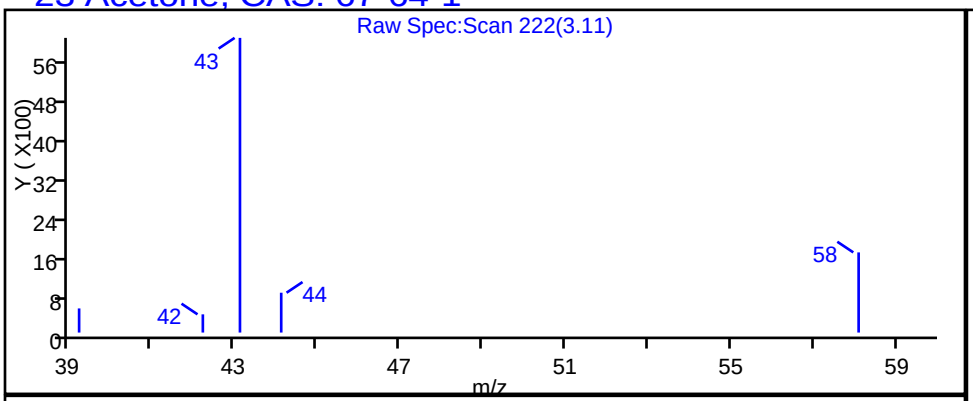
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	56.4	112.75
$ 5 Toluene-d8 (Surr)	50.0	72.3	144.65
$ 6 4-Bromofluorobenzene (Surr)	50.0	24.6	49.16

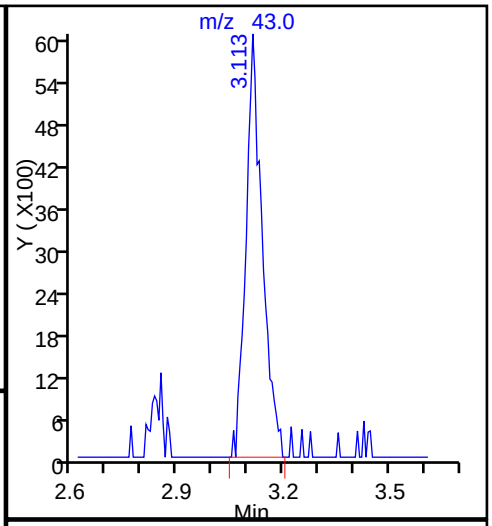
TestAmerica Buffalo

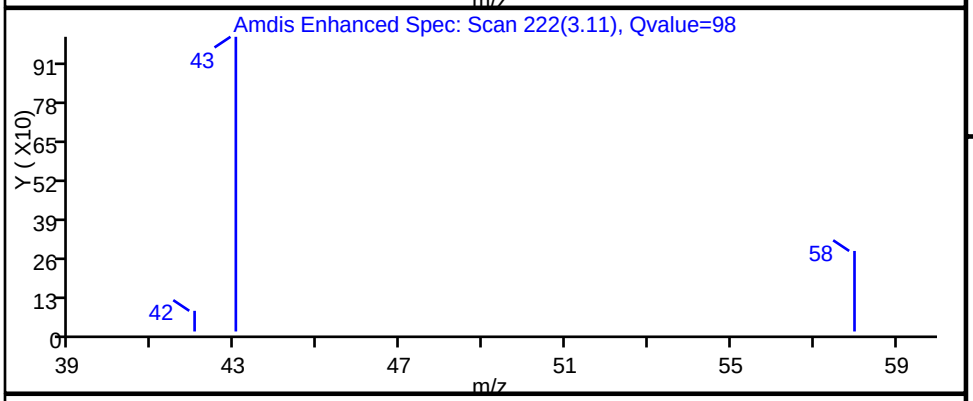
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7184.D

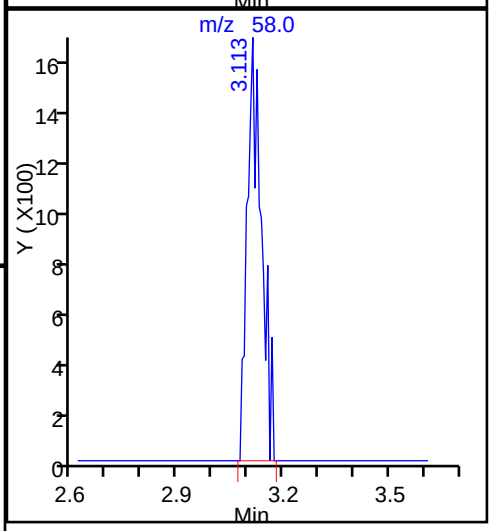
Injection Date:	14-Jun-2016 03:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-24-B	Lab Sample ID:	480-101258-24		
Client ID:	B111-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

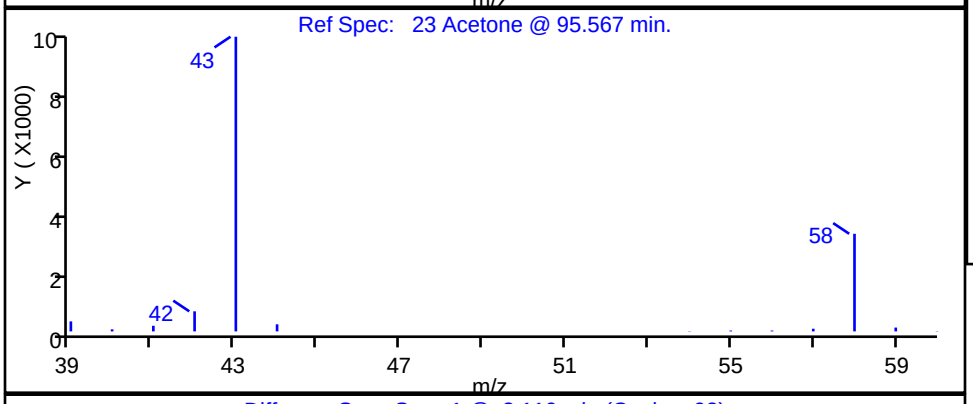
23 Acetone, CAS: 67-64-1

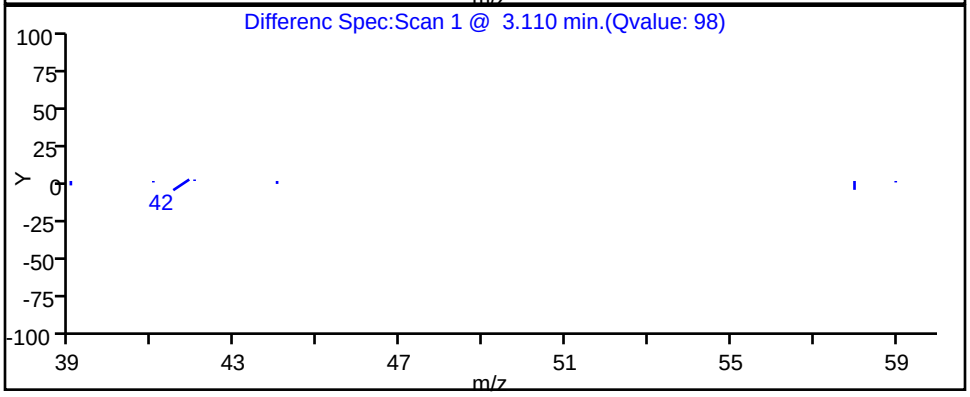












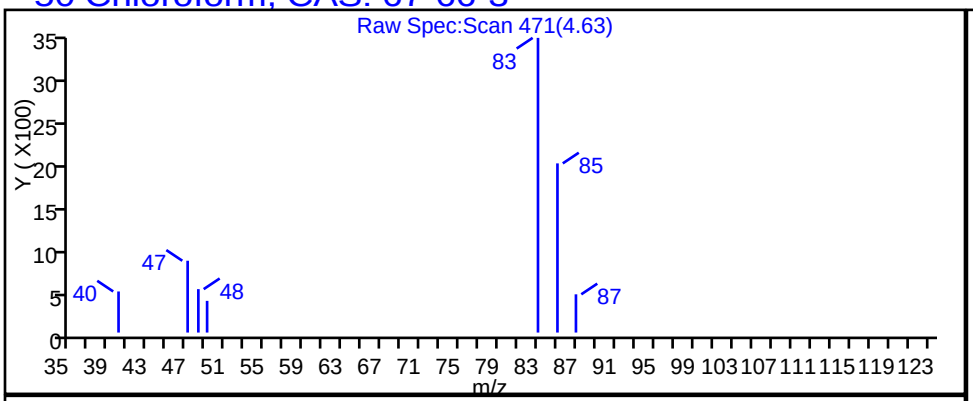
Report Date: 14-Jun-2016 09:55:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

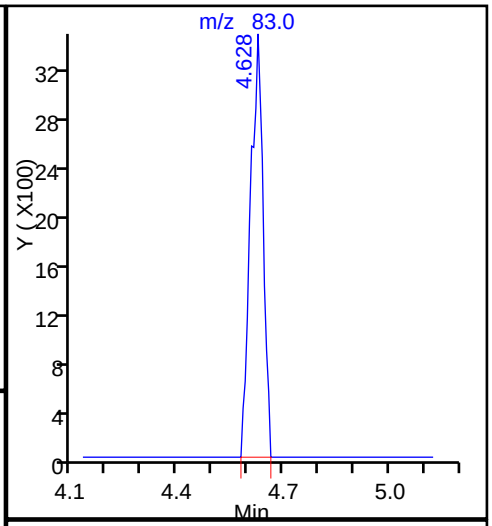
TestAmerica Buffalo

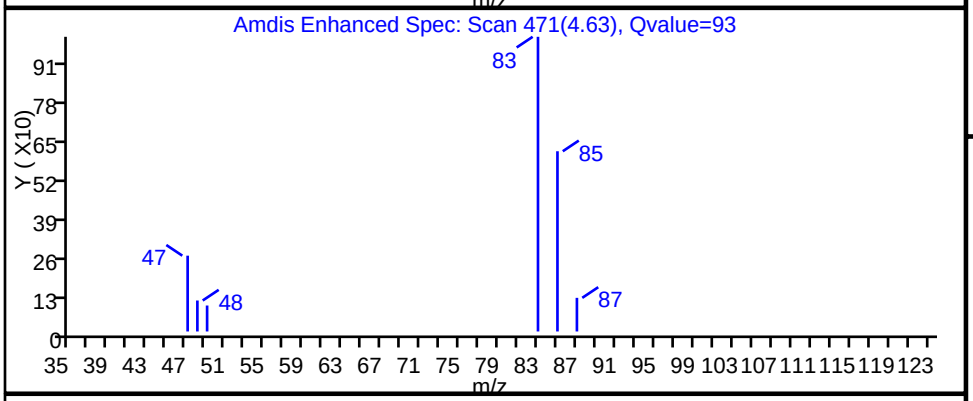
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7184.D

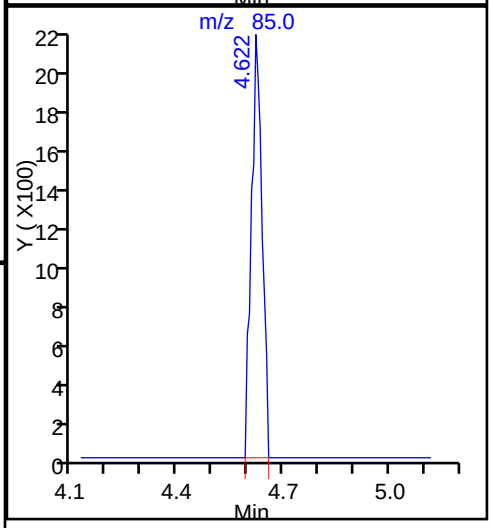
Injection Date:	14-Jun-2016 03:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-24-B	Lab Sample ID:	480-101258-24		
Client ID:	B111-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

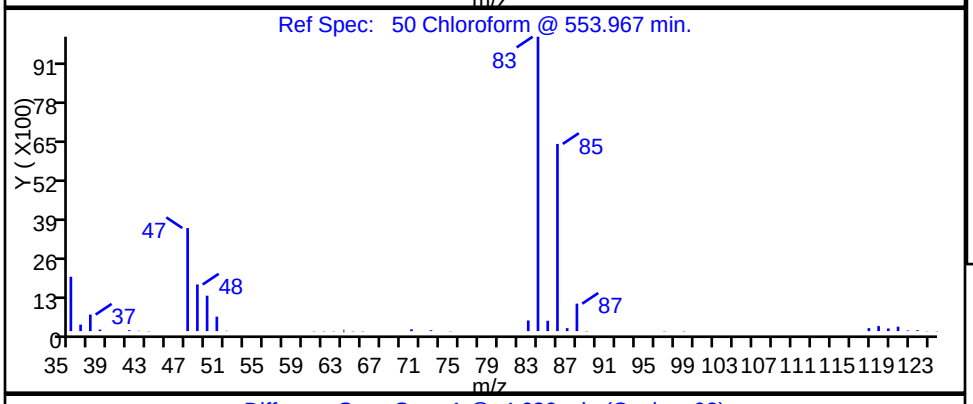
50 Chloroform, CAS: 67-66-3

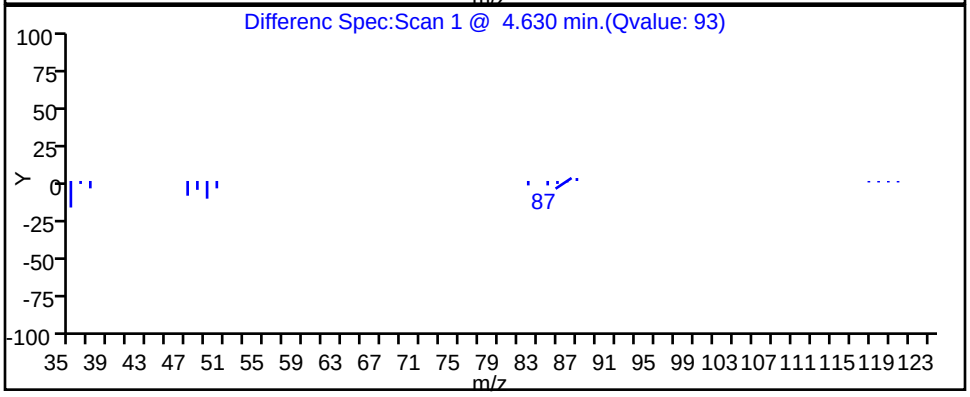












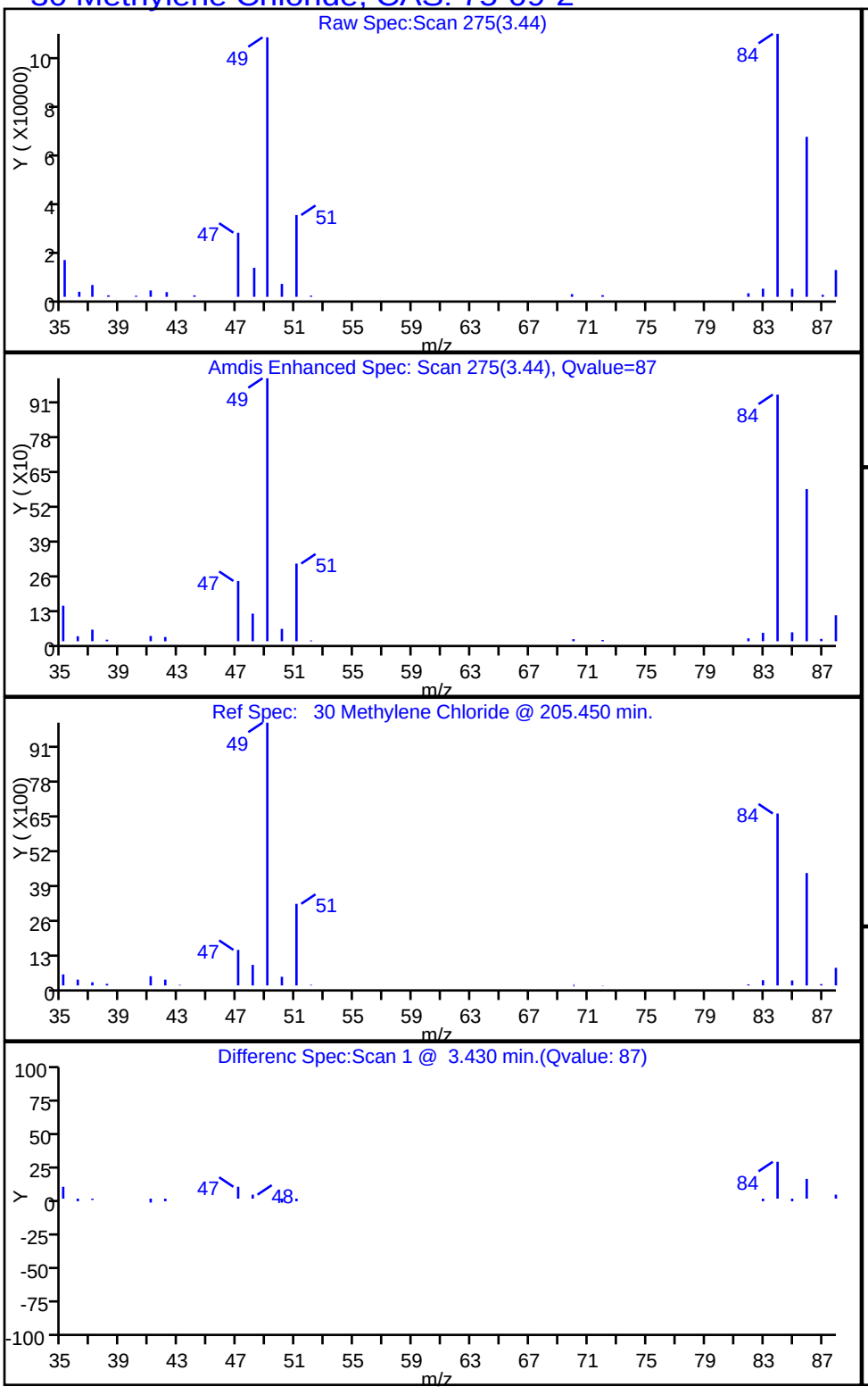
Report Date: 14-Jun-2016 09:55:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

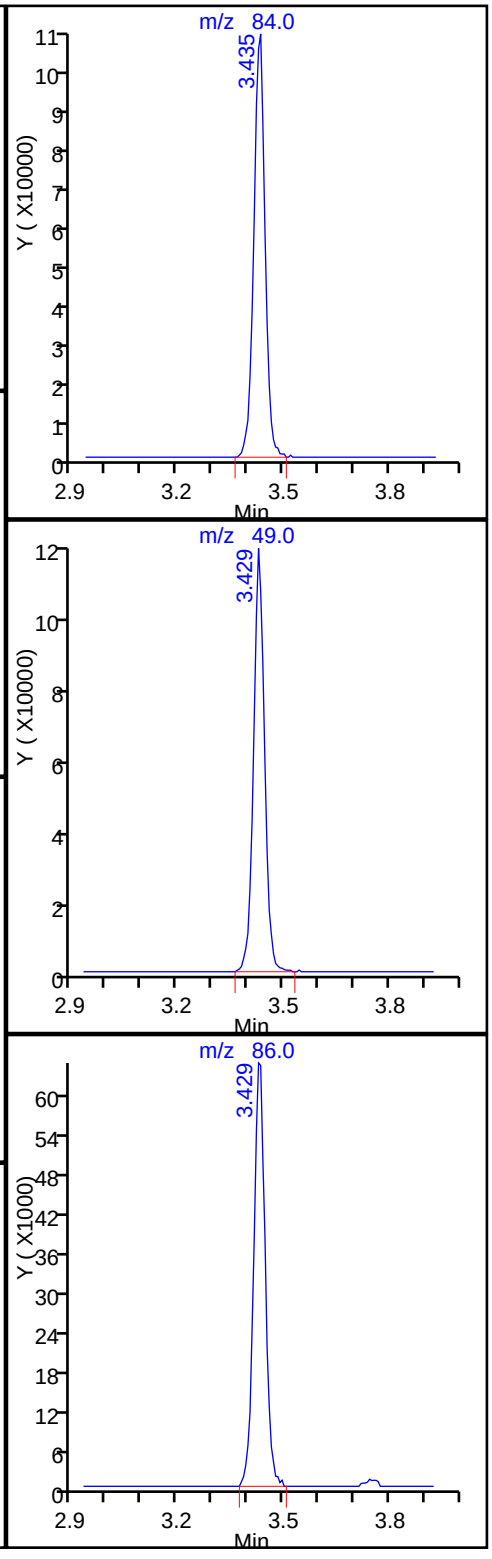
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7184.D

Injection Date:	14-Jun-2016 03:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-24-B	Lab Sample ID:	480-101258-24		
Client ID:	B111-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B112-AREA2-S1 | Lab Sample ID: 480-101258-25

Matrix: Solid | Lab File ID: F7185.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:50

Sample wt/vol: 5.05(g) | Date Analyzed: 06/14/2016 03:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.7
106-93-4	1,2-Dibromoethane	ND		5.3	0.69
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.42
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.72
75-25-2	Bromoform	ND		5.3	2.7
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.7
56-23-5	Carbon tetrachloride	ND		5.3	0.52
108-90-7	Chlorobenzene	ND		5.3	0.71
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.77
110-82-7	Cyclohexane	ND		5.3	0.75
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
98-82-8	Isopropylbenzene	ND	*	5.3	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B112-AREA2-S1 | Lab Sample ID: 480-101258-25

Matrix: Solid | Lab File ID: F7185.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:50

Sample wt/vol: 5.05(g) | Date Analyzed: 06/14/2016 03:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.4 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	17		5.3	2.5
100-42-5	Styrene	ND		5.3	0.27
127-18-4	Tetrachloroethene	ND		5.3	0.72
108-88-3	Toluene	ND		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.4
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.51
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	58	X	72-126
2037-26-5	Toluene-d8 (Surr)	122		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7185.D
Lims ID: 480-101258-A-25-B
Client ID: B112-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 03:38:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-25-B
Misc. Info.: 480-0054007-013
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:00:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	-0.001	98	165403	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	227505	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.437	10.444	-0.007	96	80379	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	124453	52.1	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	602183	61.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	91391	28.9	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	78	7509	1.12	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	87	92030	16.2	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

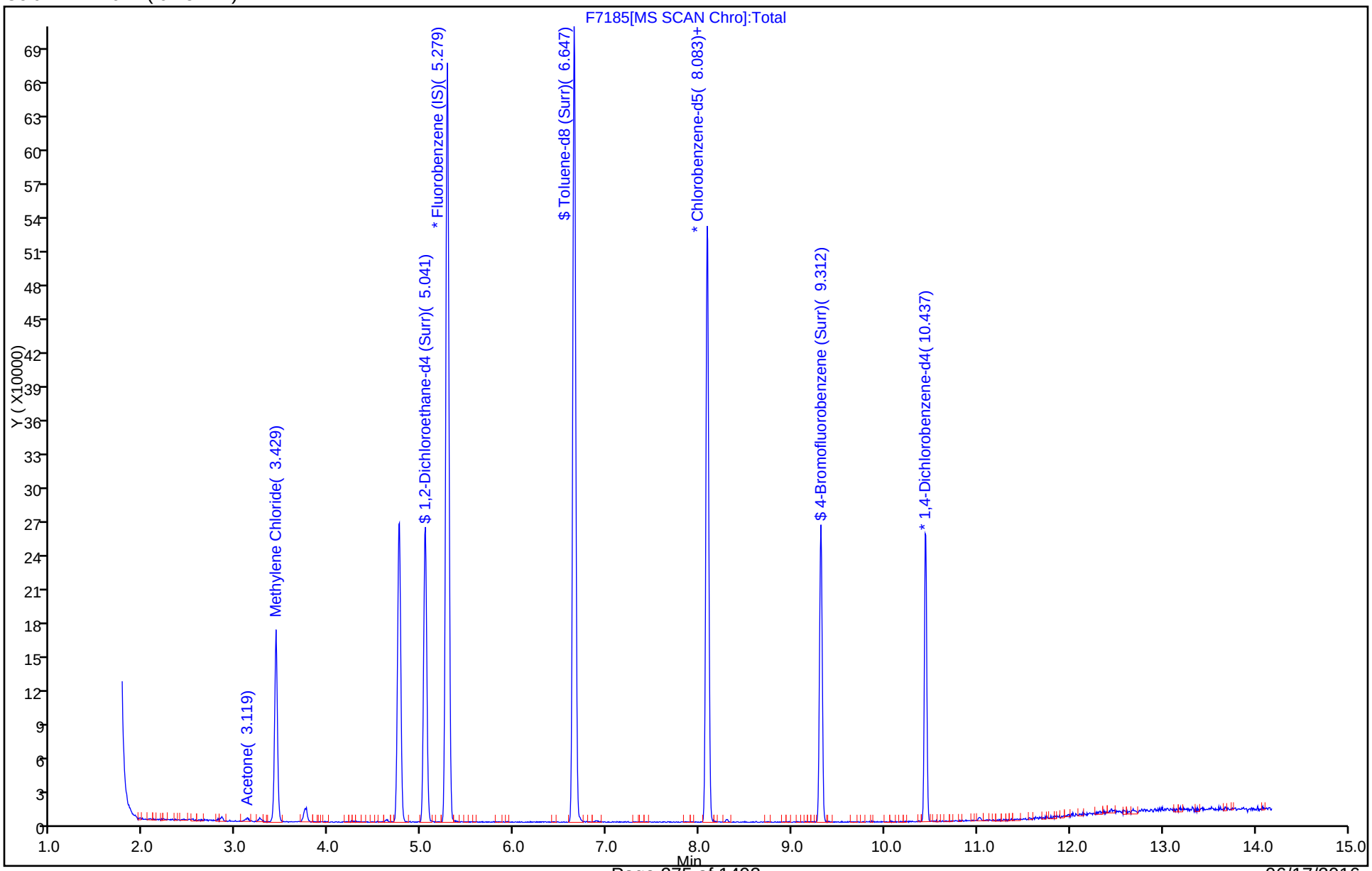
Report Date: 14-Jun-2016 10:00:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7185.D

Injection Date:	14-Jun-2016 03:38:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-25-B	Lab Sample ID:	480-101258-25	Worklist Smp#:	13
Client ID:	B112-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7185.D
Lims ID: 480-101258-A-25-B
Client ID: B112-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 03:38:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-25-B
Misc. Info.: 480-0054007-013
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:00:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.1	104.18
$ 5 Toluene-d8 (Surr)	50.0	61.2	122.45
$ 6 4-Bromofluorobenzene (Surr)	50.0	28.9	57.74

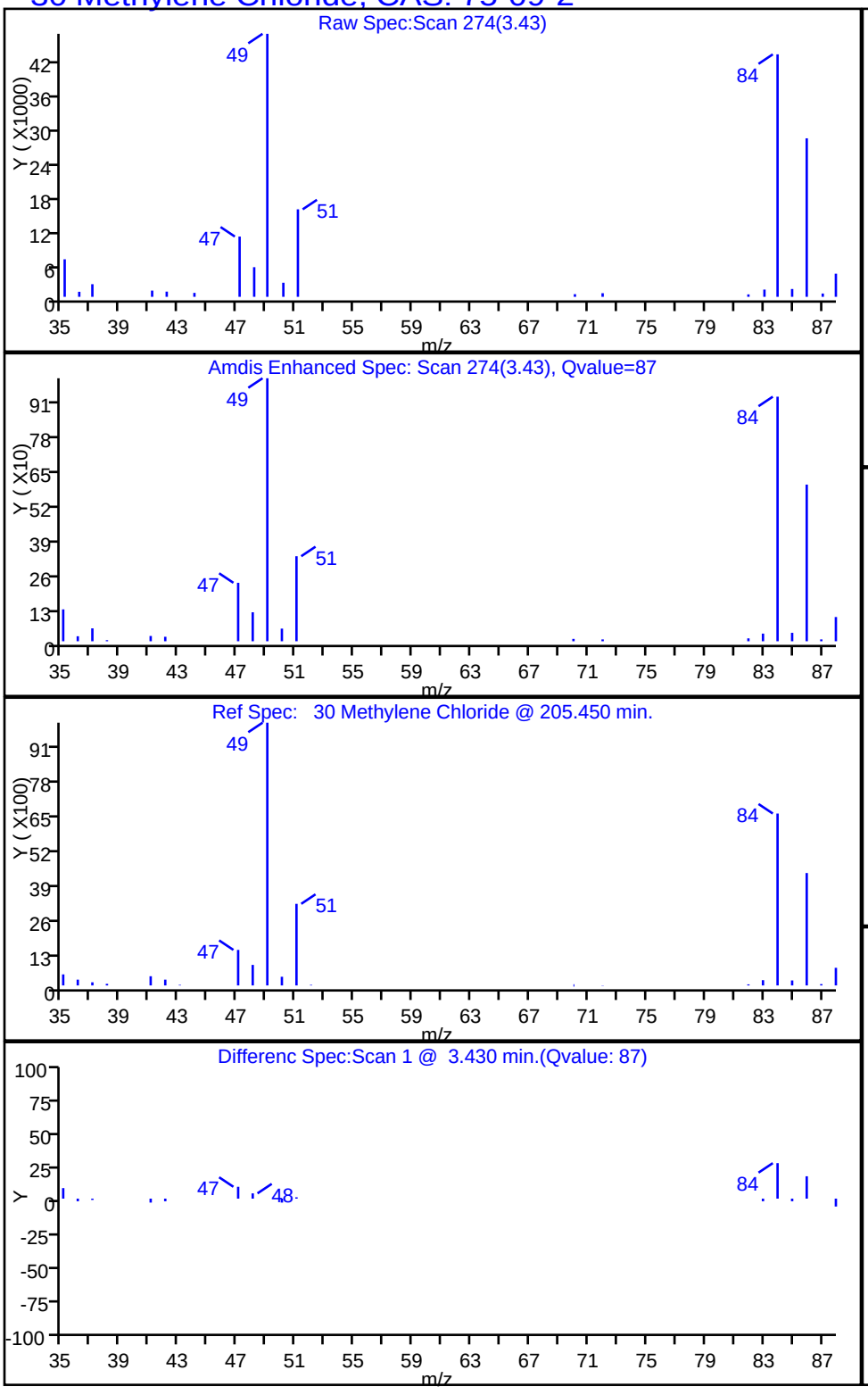
Report Date: 14-Jun-2016 10:00:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

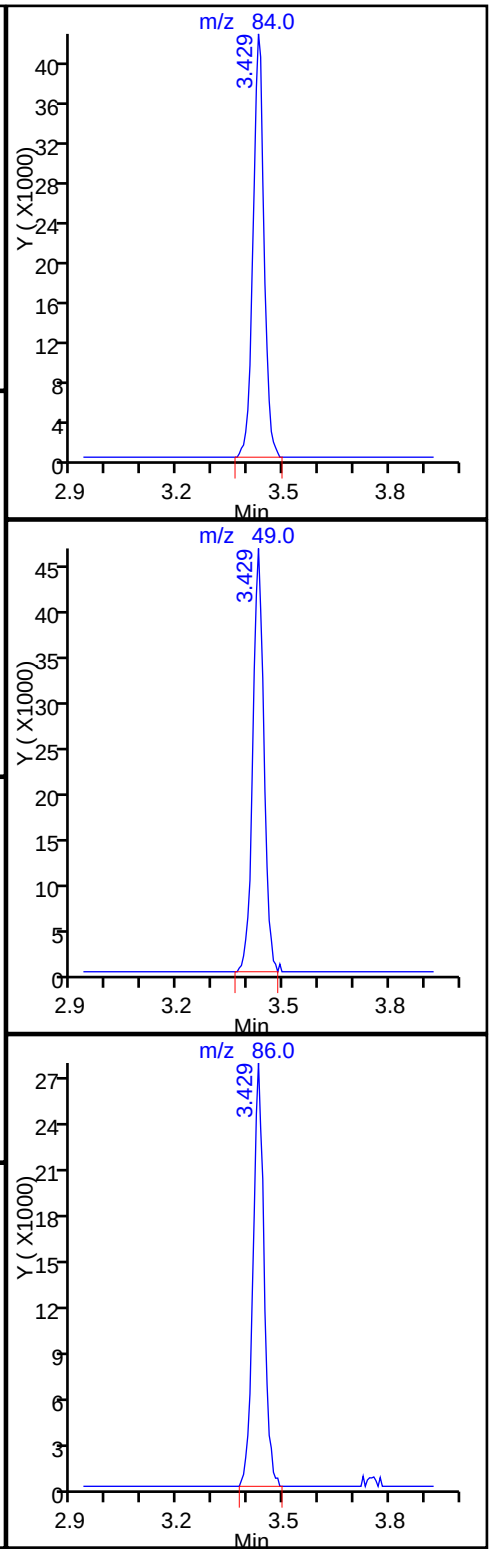
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7185.D

Injection Date:	14-Jun-2016 03:38:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-25-B	Lab Sample ID:	480-101258-25		
Client ID:	B112-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B112-AREA2-S2 | Lab Sample ID: 480-101258-26

Matrix: Solid | Lab File ID: F7186.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:55

Sample wt/vol: 5.15(g) | Date Analyzed: 06/14/2016 04:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 5.6 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.1	0.37
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.1	0.83
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.1	0.67
75-34-3	1,1-Dichloroethane	ND		5.1	0.63
75-35-4	1,1-Dichloroethene	ND		5.1	0.63
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.1	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.1	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.1	0.66
95-50-1	1,2-Dichlorobenzene	ND	*	5.1	0.40
107-06-2	1,2-Dichloroethane	ND		5.1	0.26
78-87-5	1,2-Dichloropropane	ND		5.1	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.1	0.26
106-46-7	1,4-Dichlorobenzene	ND	*	5.1	0.72
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	ND		26	4.3
71-43-2	Benzene	ND		5.1	0.25
75-27-4	Bromodichloromethane	ND		5.1	0.69
75-25-2	Bromoform	ND	*	5.1	2.6
74-83-9	Bromomethane	ND		5.1	0.46
75-15-0	Carbon disulfide	ND		5.1	2.6
56-23-5	Carbon tetrachloride	ND		5.1	0.50
108-90-7	Chlorobenzene	ND	*	5.1	0.68
75-00-3	Chloroethane	ND		5.1	1.2
67-66-3	Chloroform	ND		5.1	0.32
74-87-3	Chloromethane	ND		5.1	0.31
156-59-2	cis-1,2-Dichloroethene	ND		5.1	0.66
10061-01-5	cis-1,3-Dichloropropene	ND		5.1	0.74
110-82-7	Cyclohexane	ND		5.1	0.72
124-48-1	Dibromochloromethane	ND	*	5.1	0.66
75-71-8	Dichlorodifluoromethane	ND		5.1	0.42
100-41-4	Ethylbenzene	ND	*	5.1	0.35
98-82-8	Isopropylbenzene	ND	*	5.1	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B112-AREA2-S2 | Lab Sample ID: 480-101258-26

Matrix: Solid | Lab File ID: F7186.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:55

Sample wt/vol: 5.15(g) | Date Analyzed: 06/14/2016 04:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 5.6 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.1	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.1	0.51
108-87-2	Methylcyclohexane	ND		5.1	0.78
75-09-2	Methylene Chloride	32		5.1	2.4
100-42-5	Styrene	ND	*	5.1	0.26
127-18-4	Tetrachloroethene	ND	*	5.1	0.69
108-88-3	Toluene	ND	*	5.1	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.1	0.53
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.1	2.3
79-01-6	Trichloroethene	ND		5.1	1.1
75-69-4	Trichlorofluoromethane	ND		5.1	0.49
75-01-4	Vinyl chloride	ND		5.1	0.63
1330-20-7	Xylenes, Total	ND		10	0.86

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-126
460-00-4	4-Bromofluorobenzene (Surr)	48	X *	72-126
2037-26-5	Toluene-d8 (Surr)	149	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7186.D
Lims ID: 480-101258-A-26-D
Client ID: B112-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 04:04:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-26-D
Misc. Info.: 480-0054007-014
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:01:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.272	5.279	-0.007	98	103671	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	93563	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.437	10.444	-0.007	96	34882	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	86812	58.0	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	94	301233	74.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	31045	23.8	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	65	7201	4.13	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	87	101574	31.6	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

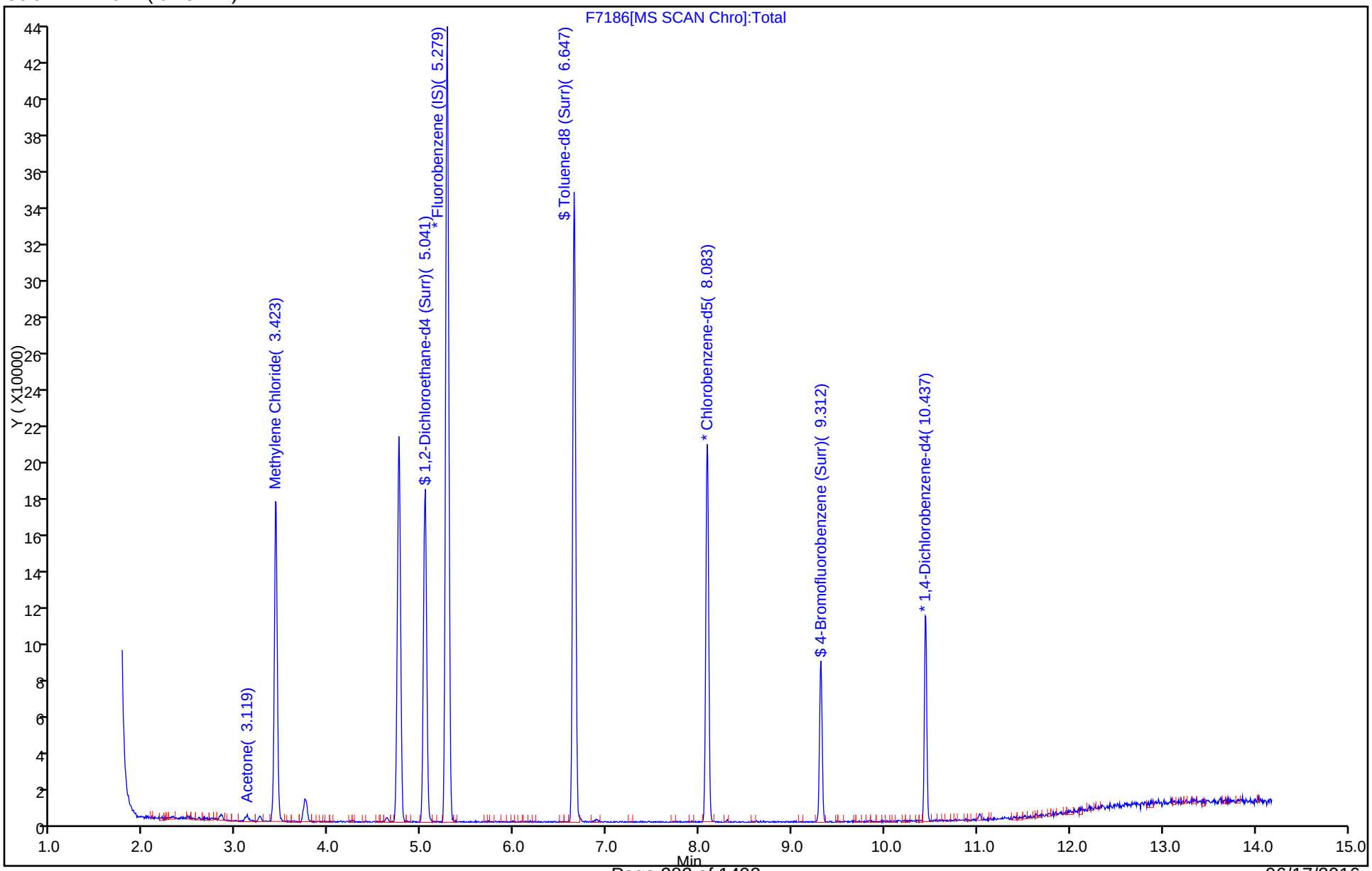
Report Date: 14-Jun-2016 10:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7186.D

Injection Date:	14-Jun-2016 04:04:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-26-D	Lab Sample ID:	480-101258-26	Worklist Smp#:	14
Client ID:	B112-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7186.D
Lims ID: 480-101258-A-26-D
Client ID: B112-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 04:04:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-26-D
Misc. Info.: 480-0054007-014
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:01:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	58.0	115.95
$ 5 Toluene-d8 (Surr)	50.0	74.5	148.94
$ 6 4-Bromofluorobenzene (Surr)	50.0	23.8	47.69

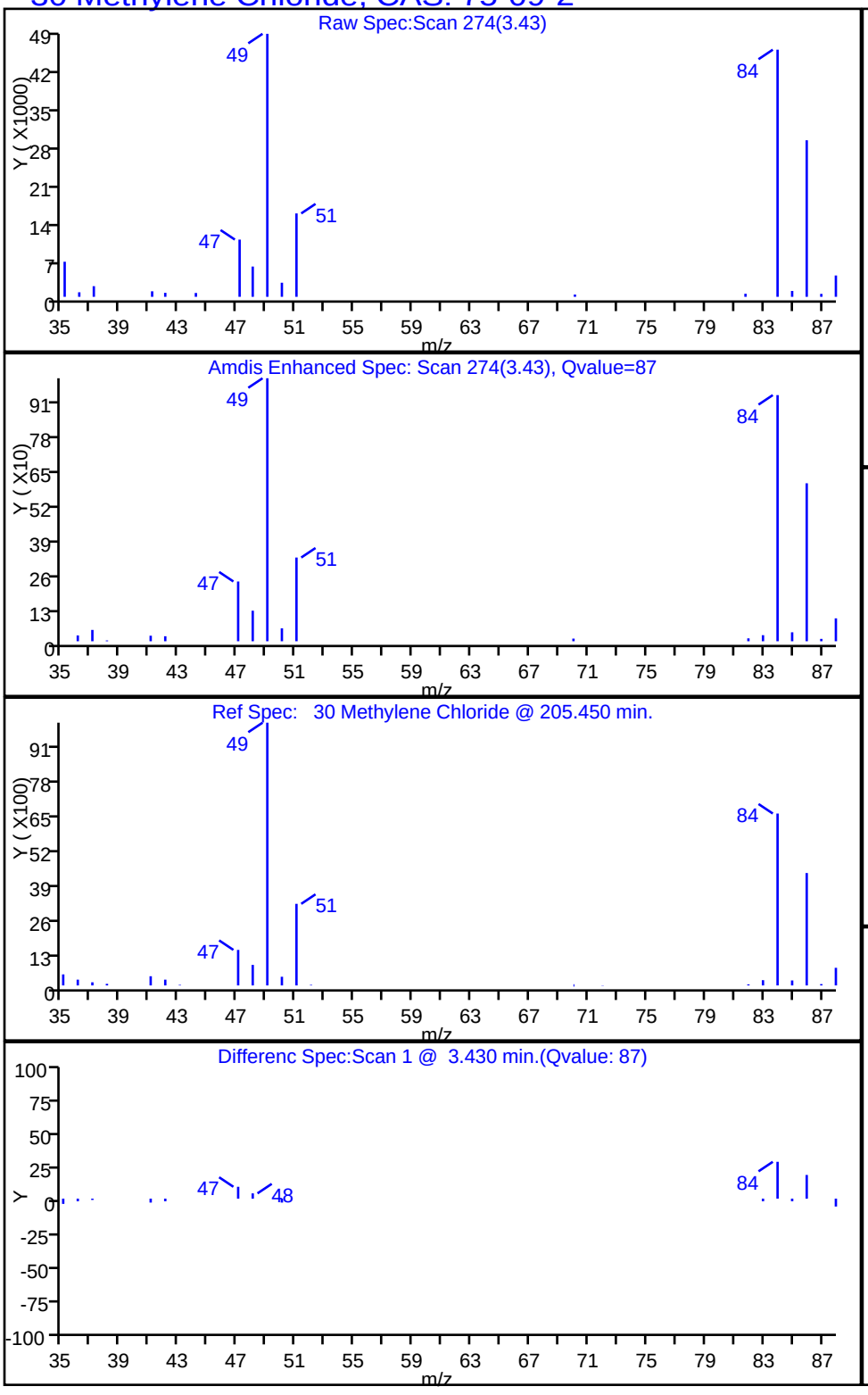
Report Date: 14-Jun-2016 10:01:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

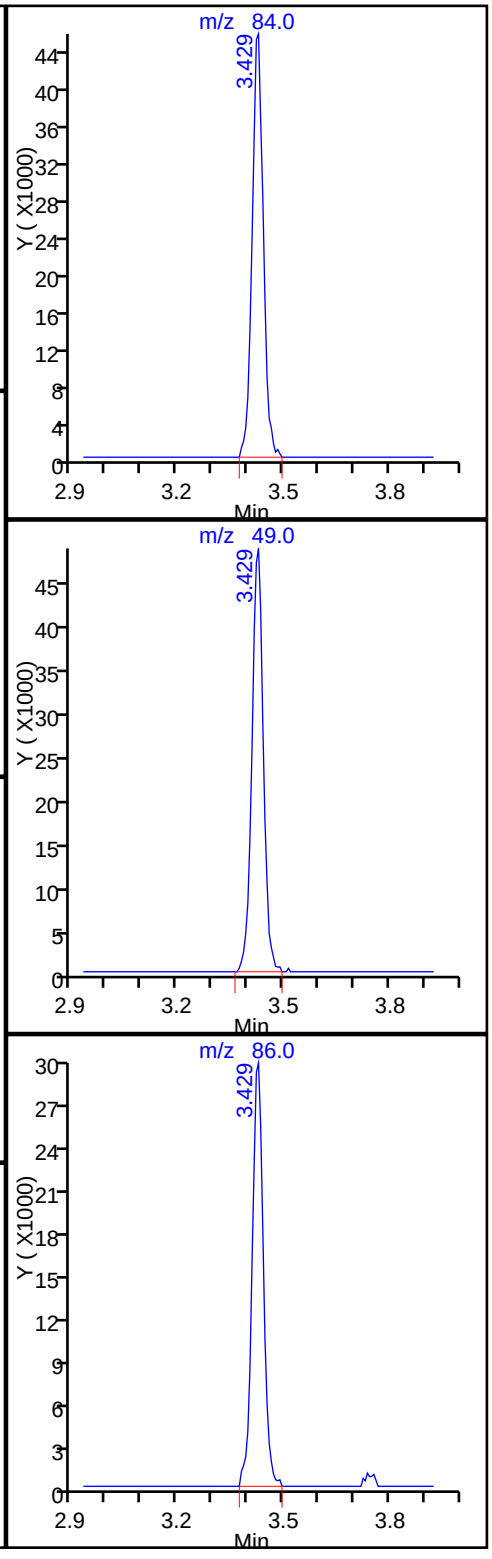
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7186.D

Injection Date:	14-Jun-2016 04:04:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-26-D	Lab Sample ID:	480-101258-26		
Client ID:	B112-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B113-AREA2-S1 | Lab Sample ID: 480-101258-27

Matrix: Solid | Lab File ID: F7187.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:15

Sample wt/vol: 5.14(g) | Date Analyzed: 06/14/2016 04:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.3	0.68
75-34-3	1,1-Dichloroethane	ND		5.3	0.64
75-35-4	1,1-Dichloroethene	ND		5.3	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.41
107-06-2	1,2-Dichloroethane	ND		5.3	0.26
78-87-5	1,2-Dichloropropane	ND		5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	14	J	26	4.4
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND	*	5.3	2.6
74-83-9	Bromomethane	ND		5.3	0.47
75-15-0	Carbon disulfide	ND		5.3	2.6
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND	*	5.3	0.69
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	1.0	J	5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND	*	5.3	0.67
75-71-8	Dichlorodifluoromethane	ND		5.3	0.43
100-41-4	Ethylbenzene	ND	*	5.3	0.36
98-82-8	Isopropylbenzene	ND	*	5.3	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B113-AREA2-S1 | Lab Sample ID: 480-101258-27

Matrix: Solid | Lab File ID: F7187.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:15

Sample wt/vol: 5.14(g) | Date Analyzed: 06/14/2016 04:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	1.1	J	5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.80
75-09-2	Methylene Chloride	51		5.3	2.4
100-42-5	Styrene	ND	*	5.3	0.26
127-18-4	Tetrachloroethene	ND	*	5.3	0.71
108-88-3	Toluene	0.68	J *	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.64
1330-20-7	Xylenes, Total	ND		11	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	53	X *	72-126
2037-26-5	Toluene-d8 (Surr)	129	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D
Lims ID: 480-101258-A-27-B
Client ID: B113-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 04:30:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-27-B
Misc. Info.: 480-0054007-015
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:01:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	153019	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	197650	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	64106	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	118856	53.8	
$ 5 Toluene-d8 (Surr)	98	6.648	6.647	0.001	93	550231	64.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	73217	26.6	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.107	3.101	0.006	98	21425	12.9	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	86	219200	48.0	
32 Methyl tert-butyl ether	73	3.575	3.569	0.006	97	14286	1.05	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83	4.622	4.622	0.000	90	7735	0.9585	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.708	6.714	-0.006	98	4419	0.6449	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

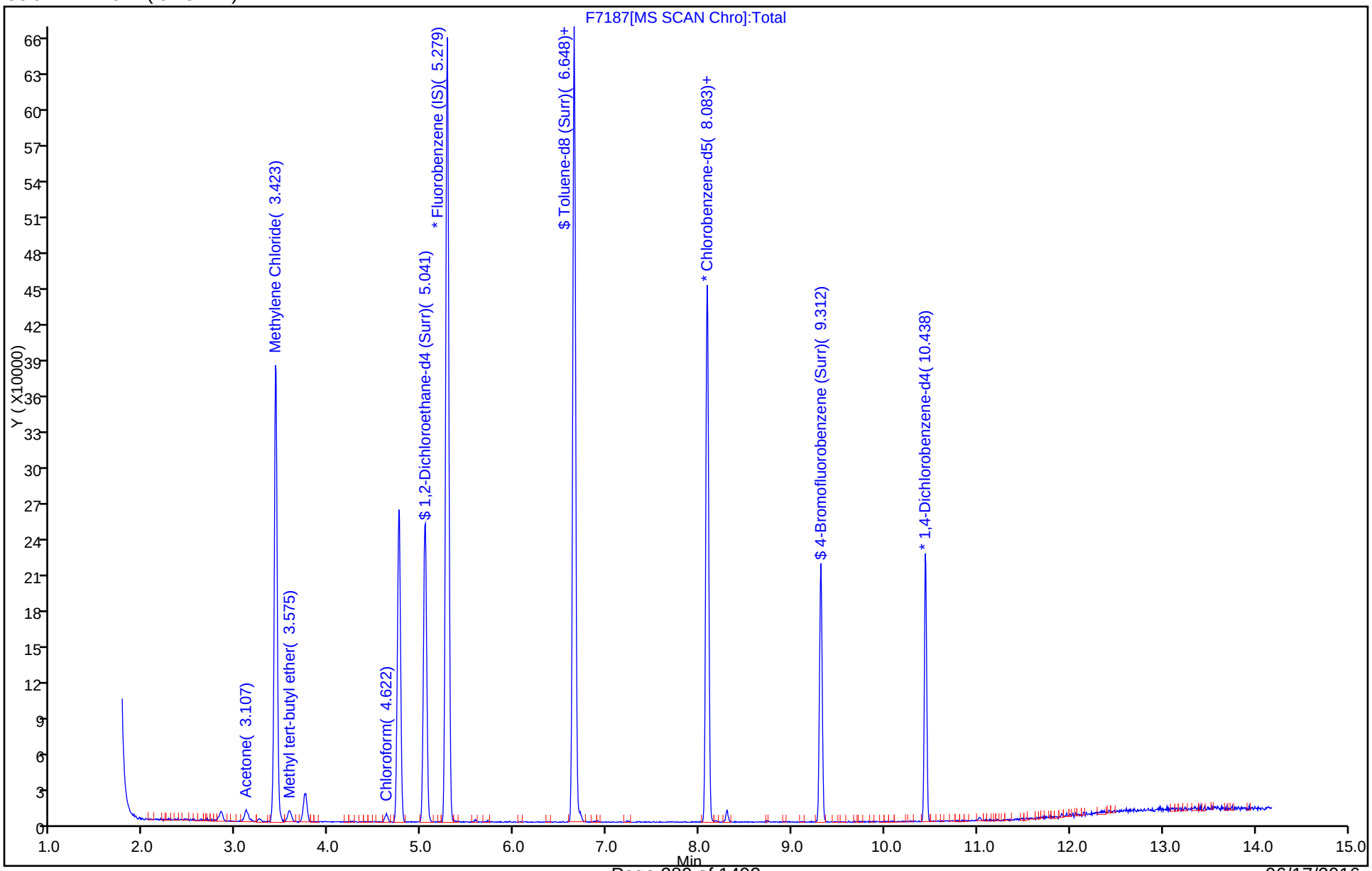
Report Date: 14-Jun-2016 10:01:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D

Injection Date:	14-Jun-2016 04:30:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-27-B	Lab Sample ID:	480-101258-27	Worklist Smp#:	15
Client ID:	B113-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D
Lims ID: 480-101258-A-27-B
Client ID: B113-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 04:30:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-27-B
Misc. Info.: 480-0054007-015
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:01:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	53.8	107.55
$ 5 Toluene-d8 (Surr)	50.0	64.4	128.78
$ 6 4-Bromofluorobenzene (Surr)	50.0	26.6	53.25

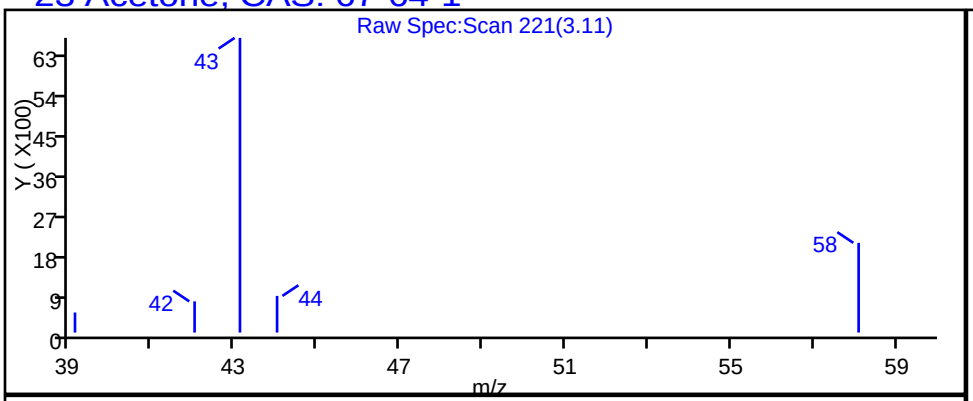
Report Date: 14-Jun-2016 10:01:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

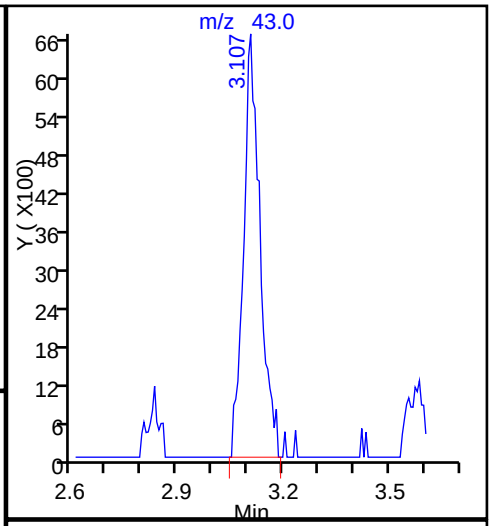
TestAmerica Buffalo

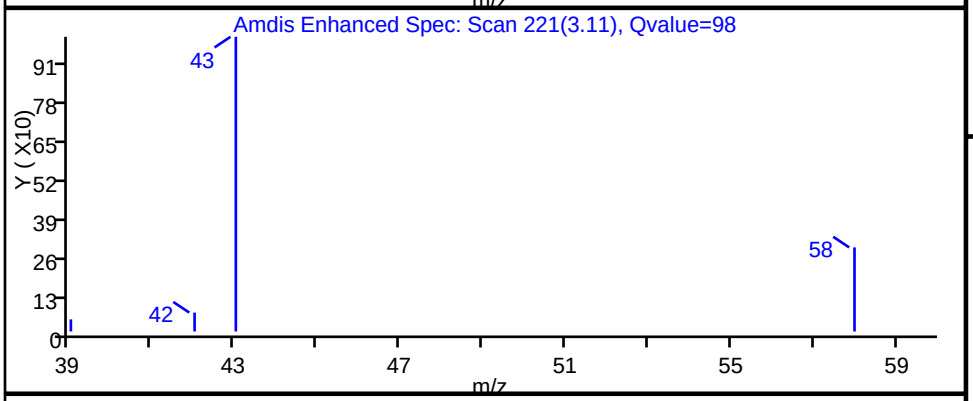
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D

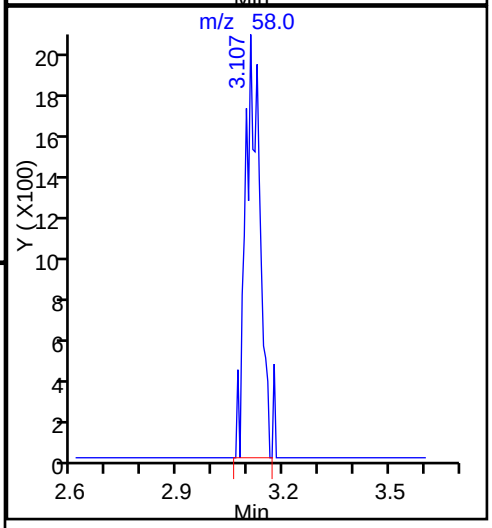
Injection Date:	14-Jun-2016 04:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-27-B	Lab Sample ID:	480-101258-27		
Client ID:	B113-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

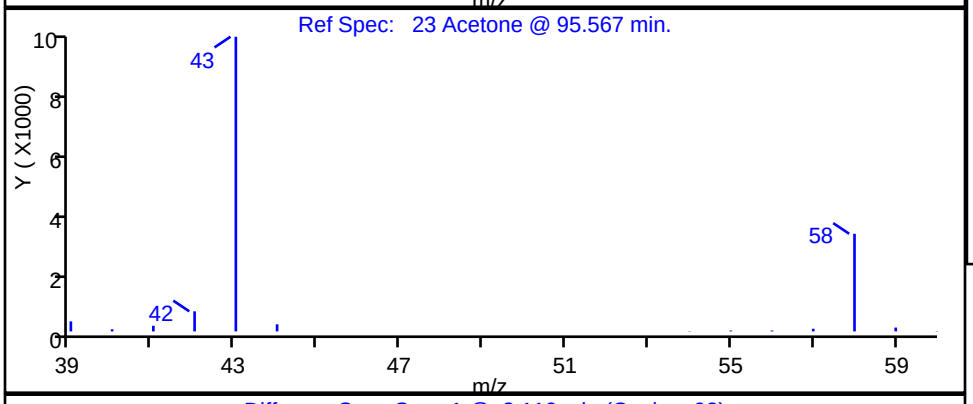
23 Acetone, CAS: 67-64-1

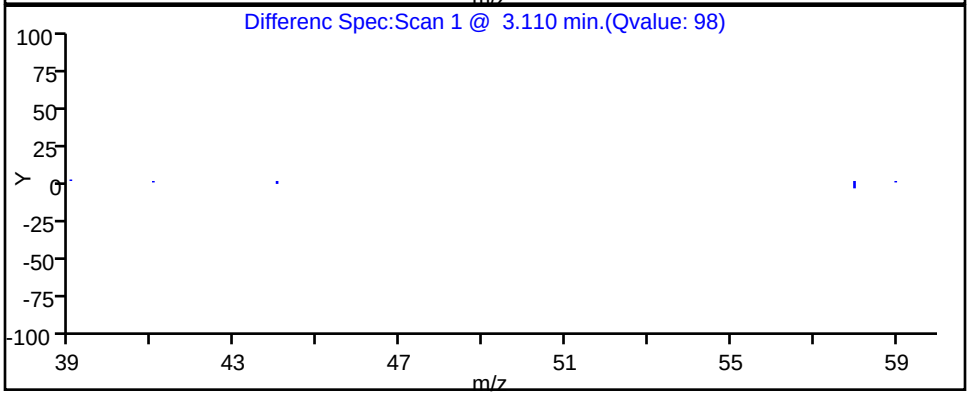








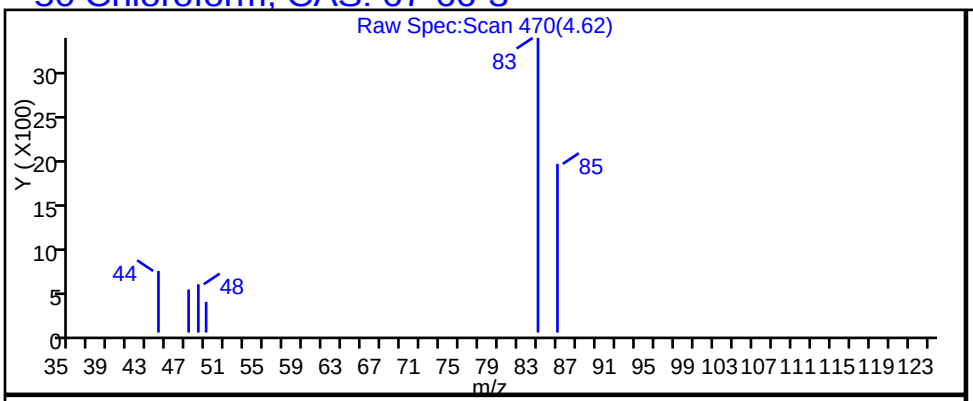


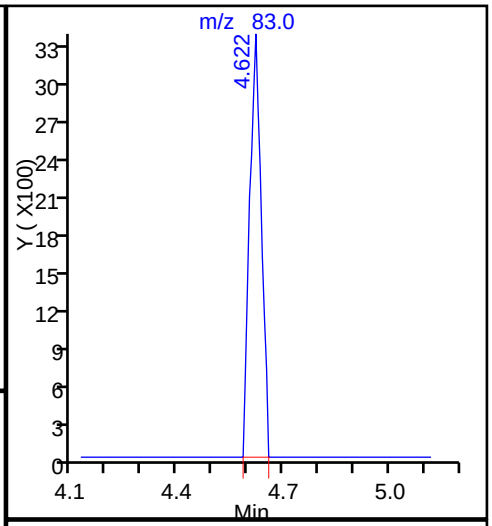


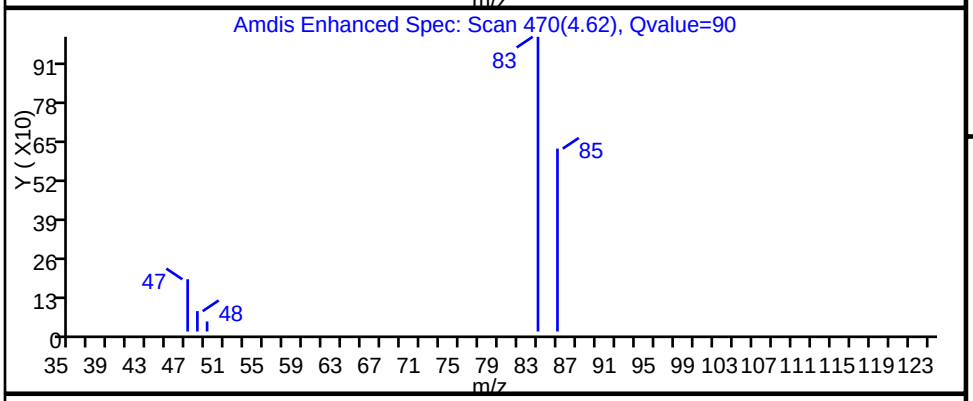
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D

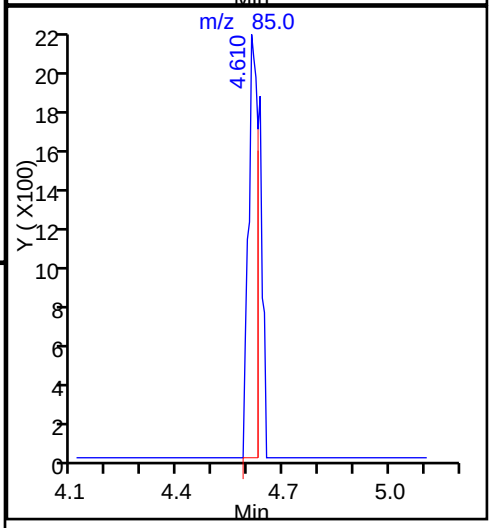
Injection Date:	14-Jun-2016 04:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-27-B	Lab Sample ID:	480-101258-27		
Client ID:	B113-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

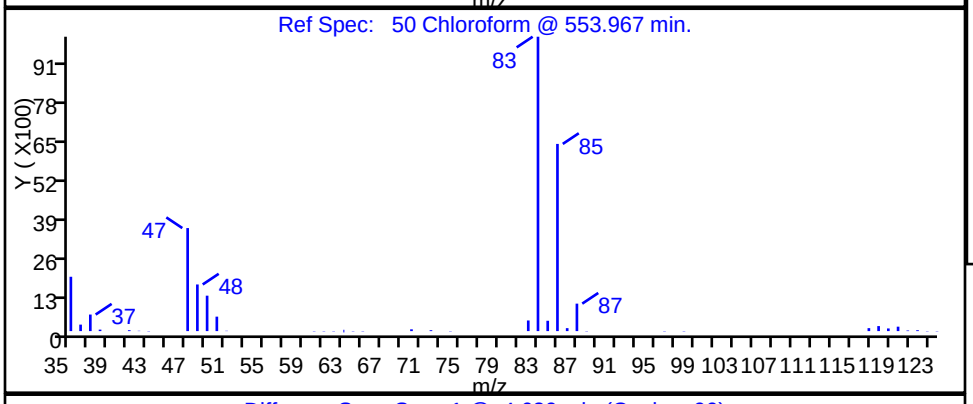
50 Chloroform, CAS: 67-66-3

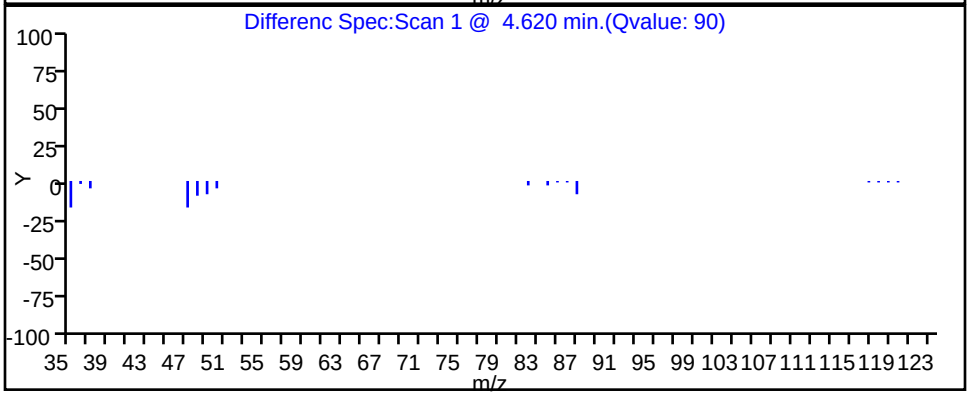












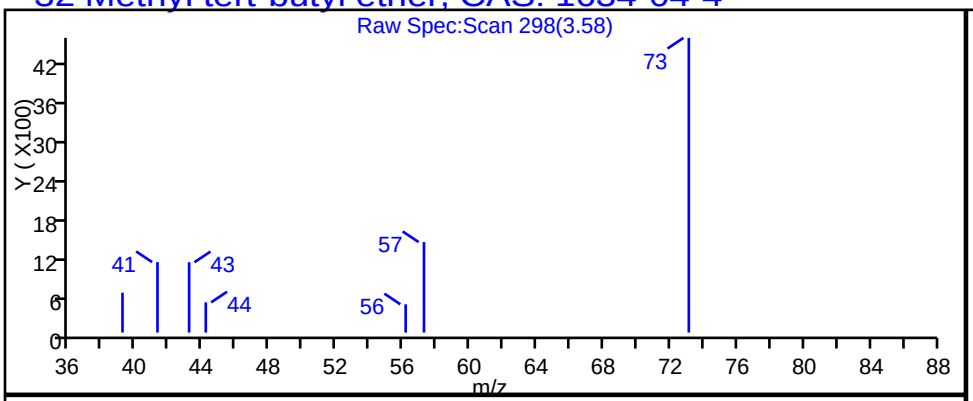
Report Date: 14-Jun-2016 10:01:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

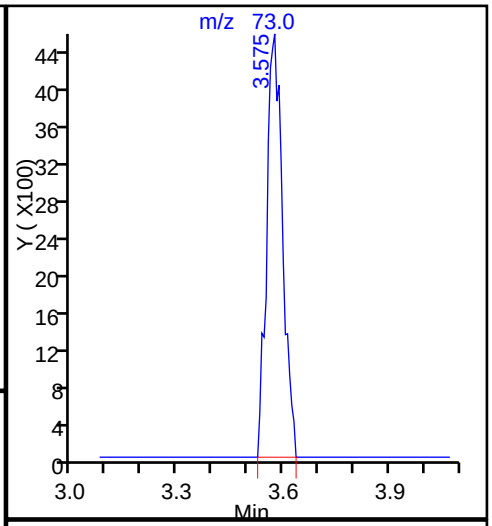
TestAmerica Buffalo

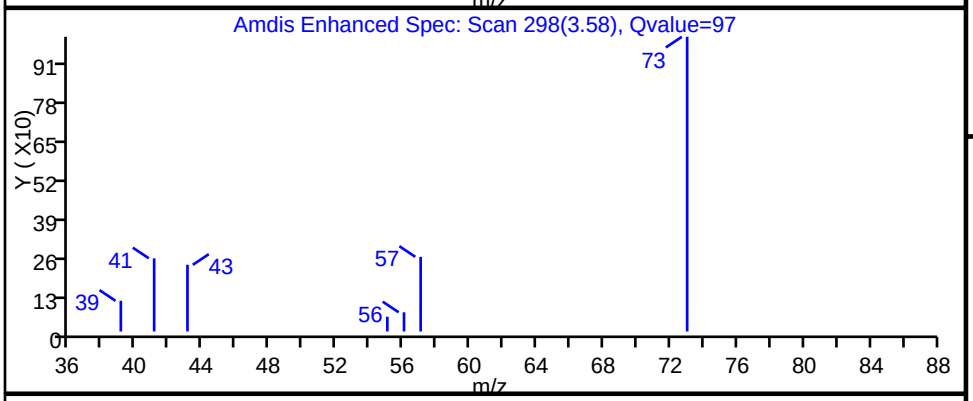
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D

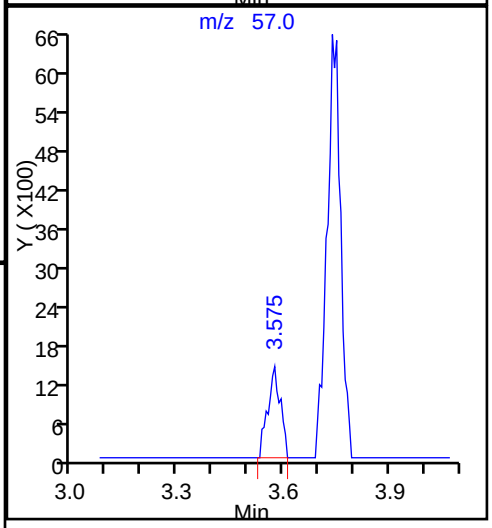
Injection Date:	14-Jun-2016 04:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-27-B	Lab Sample ID:	480-101258-27		
Client ID:	B113-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

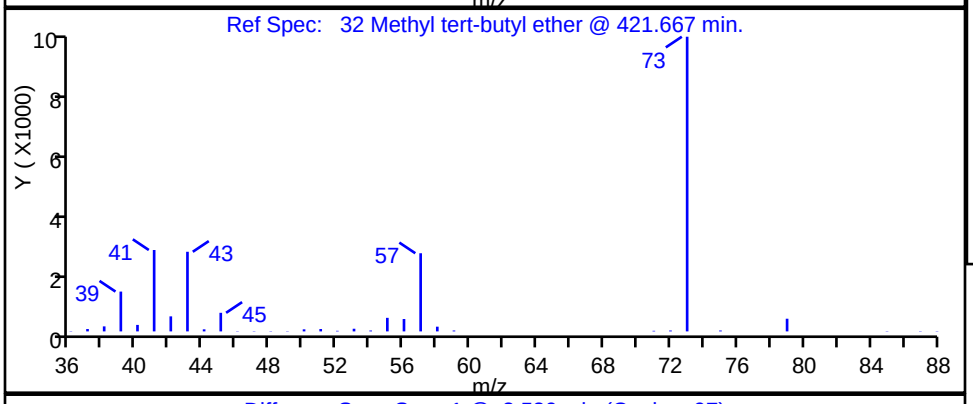
32 Methyl tert-butyl ether, CAS: 1634-04-4

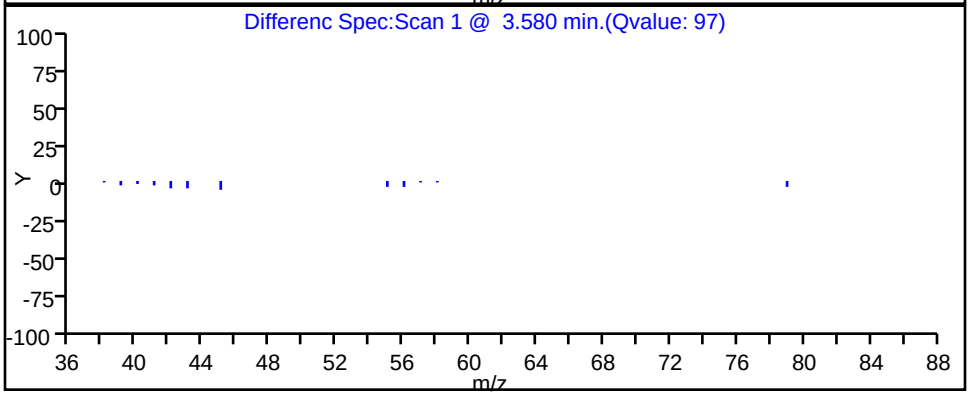












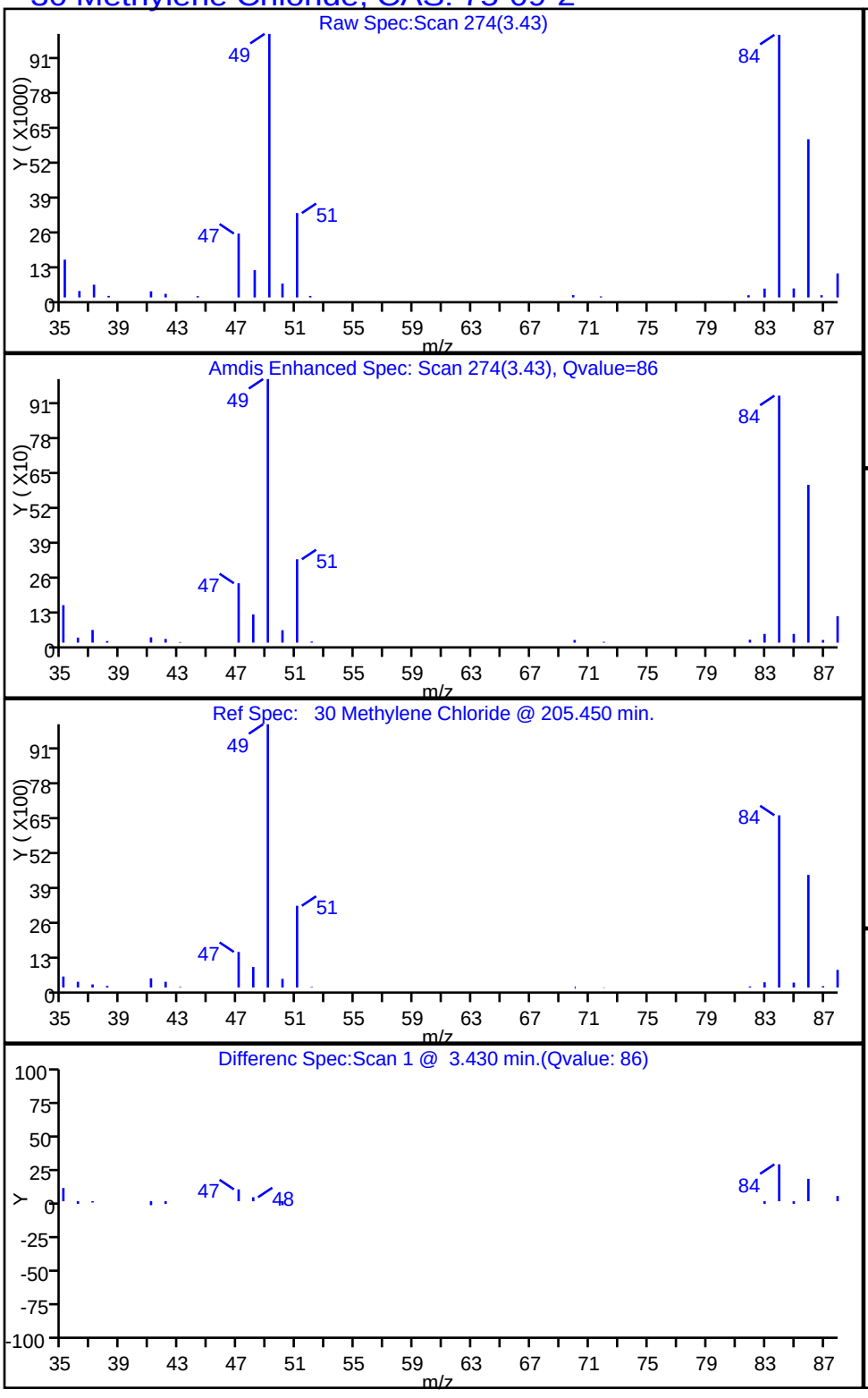
Report Date: 14-Jun-2016 10:01:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

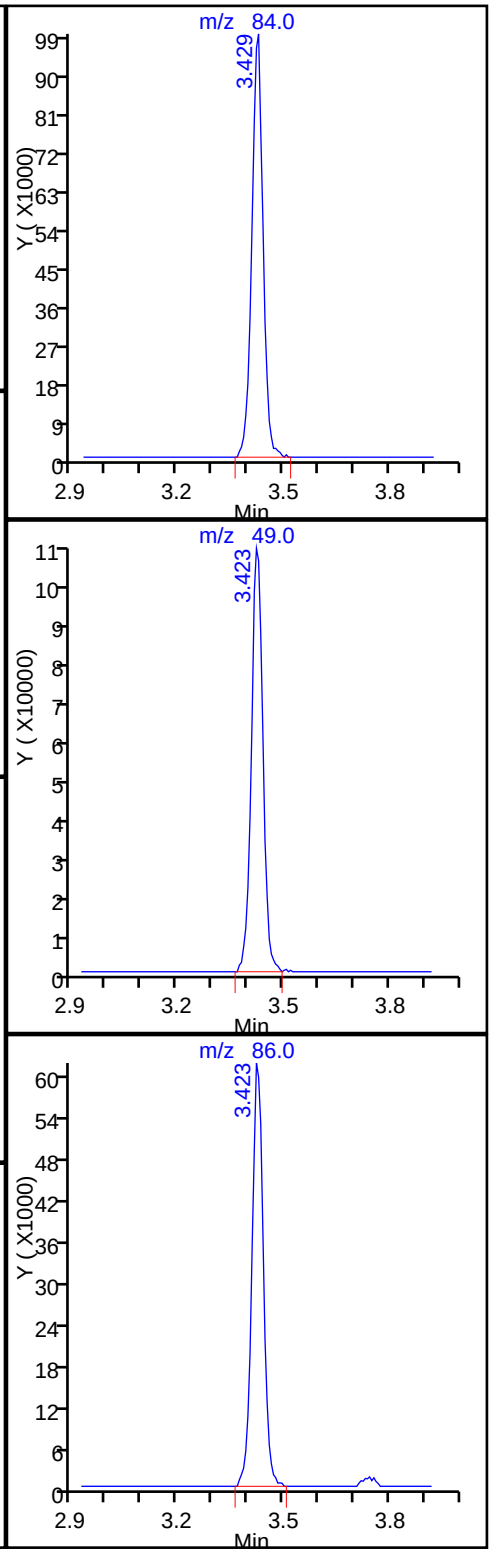
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D

Injection Date:	14-Jun-2016 04:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-27-B	Lab Sample ID:	480-101258-27		
Client ID:	B113-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

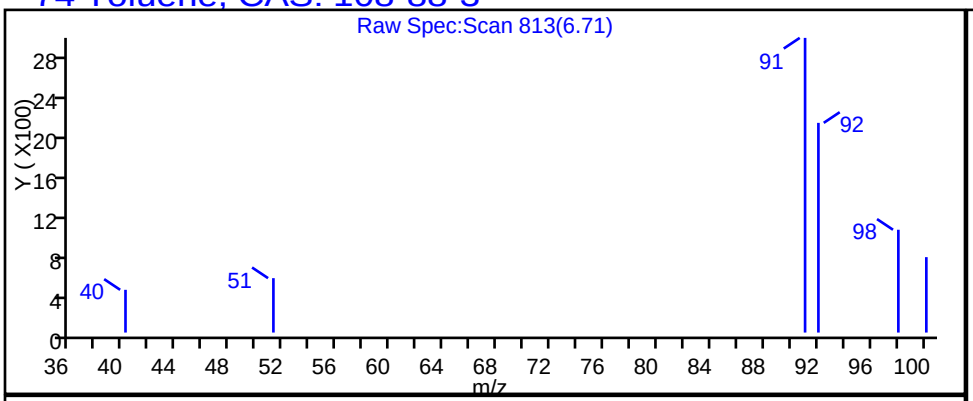


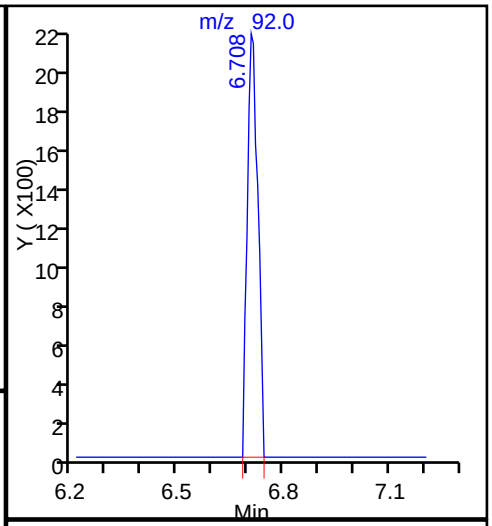


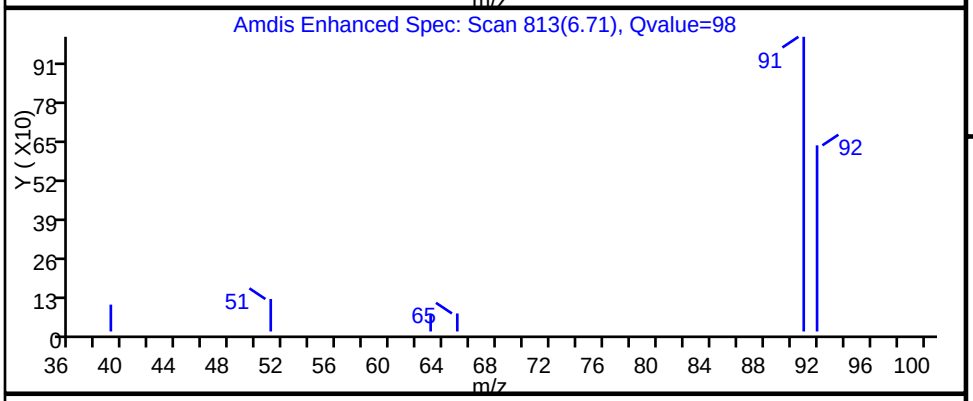
TestAmerica Buffalo

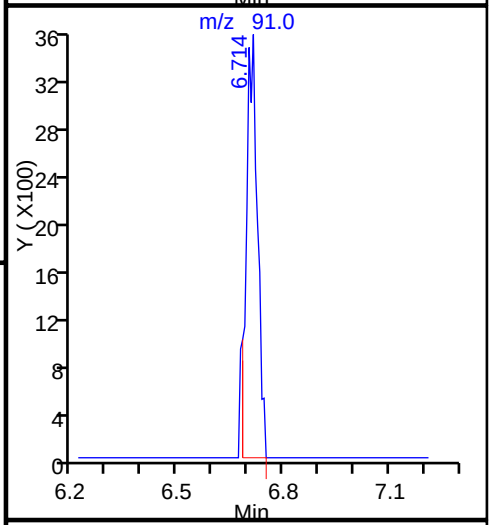
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7187.D				
Injection Date:	14-Jun-2016 04:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-27-B	Lab Sample ID:	480-101258-27		
Client ID:	B113-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

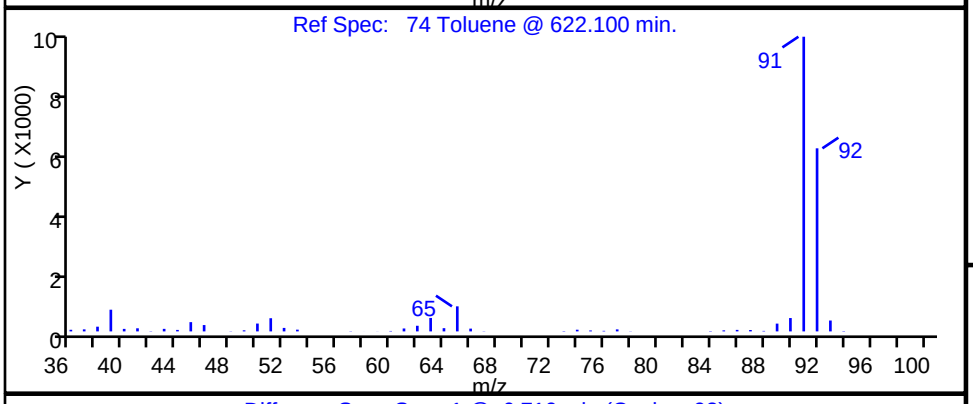
74 Toluene, CAS: 108-88-3

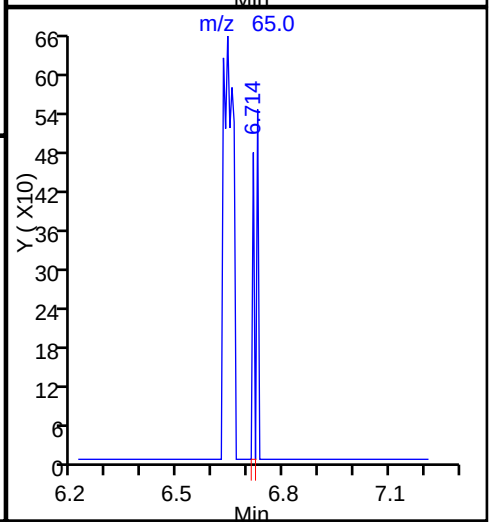


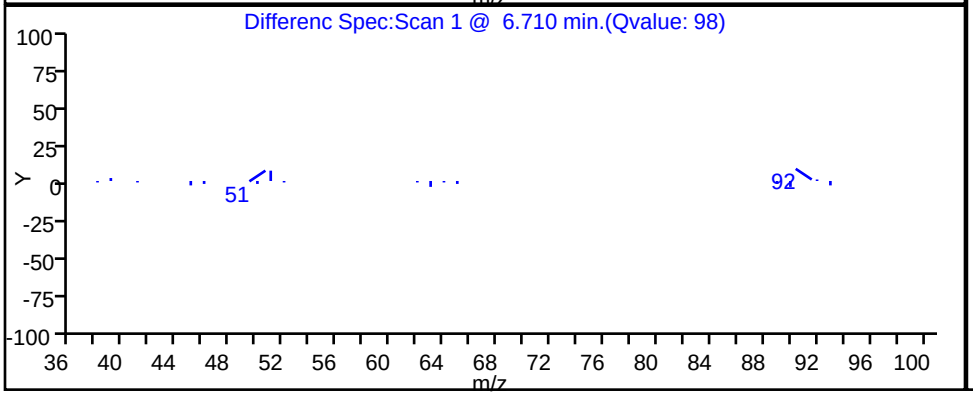












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B113-AREA2-S2 | Lab Sample ID: 480-101258-28

Matrix: Solid | Lab File ID: F7188.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:20

Sample wt/vol: 5(g) | Date Analyzed: 06/14/2016 04:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*	5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.4	0.70
75-34-3	1,1-Dichloroethane	ND	*	5.4	0.66
75-35-4	1,1-Dichloroethene	ND	*	5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.4	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND	*	5.4	0.27
78-87-5	1,2-Dichloropropane	ND	*	5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.76
78-93-3	2-Butanone (MEK)	ND	*	27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	ND	*	27	4.6
71-43-2	Benzene	ND	*	5.4	0.27
75-27-4	Bromodichloromethane	ND	*	5.4	0.73
75-25-2	Bromoform	ND	*	5.4	2.7
74-83-9	Bromomethane	ND	*	5.4	0.49
75-15-0	Carbon disulfide	ND	*	5.4	2.7
56-23-5	Carbon tetrachloride	ND	*	5.4	0.52
108-90-7	Chlorobenzene	ND	*	5.4	0.72
75-00-3	Chloroethane	ND	*	5.4	1.2
67-66-3	Chloroform	ND	*	5.4	0.33
74-87-3	Chloromethane	ND	*	5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND	*	5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND	*	5.4	0.78
110-82-7	Cyclohexane	ND	*	5.4	0.76
124-48-1	Dibromochloromethane	ND	*	5.4	0.69
75-71-8	Dichlorodifluoromethane	ND	*	5.4	0.45
100-41-4	Ethylbenzene	ND	*	5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B113-AREA2-S2 | Lab Sample ID: 480-101258-28

Matrix: Solid | Lab File ID: F7188.D

Analysis Method: 8260C | Date Collected: 06/07/2016 09:20

Sample wt/vol: 5(g) | Date Analyzed: 06/14/2016 04:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.7 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	*	5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND	*	5.4	0.53
108-87-2	Methylcyclohexane	ND	*	5.4	0.82
75-09-2	Methylene Chloride	50	*	5.4	2.5
100-42-5	Styrene	ND	*	5.4	0.27
127-18-4	Tetrachloroethene	ND	*	5.4	0.73
108-88-3	Toluene	ND	*	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND	*	5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.4	2.4
79-01-6	Trichloroethene	ND	*	5.4	1.2
75-69-4	Trichlorofluoromethane	ND	*	5.4	0.51
75-01-4	Vinyl chloride	ND	*	5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112	*	64-126
460-00-4	4-Bromofluorobenzene (Surr)	46	X *	72-126
2037-26-5	Toluene-d8 (Surr)	148	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7188.D
Lims ID: 480-101258-A-28-B
Client ID: B113-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 04:56:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-28-B
Misc. Info.: 480-0054007-016
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:07:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	73920	50.0	s
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	62672	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	27403	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	59704	55.9	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	200657	74.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	88	20202	23.2	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43		3.101				ND	
26 Carbon disulfide	76	3.259	3.253	0.006	98	9789	1.47	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	89	101522	45.9	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

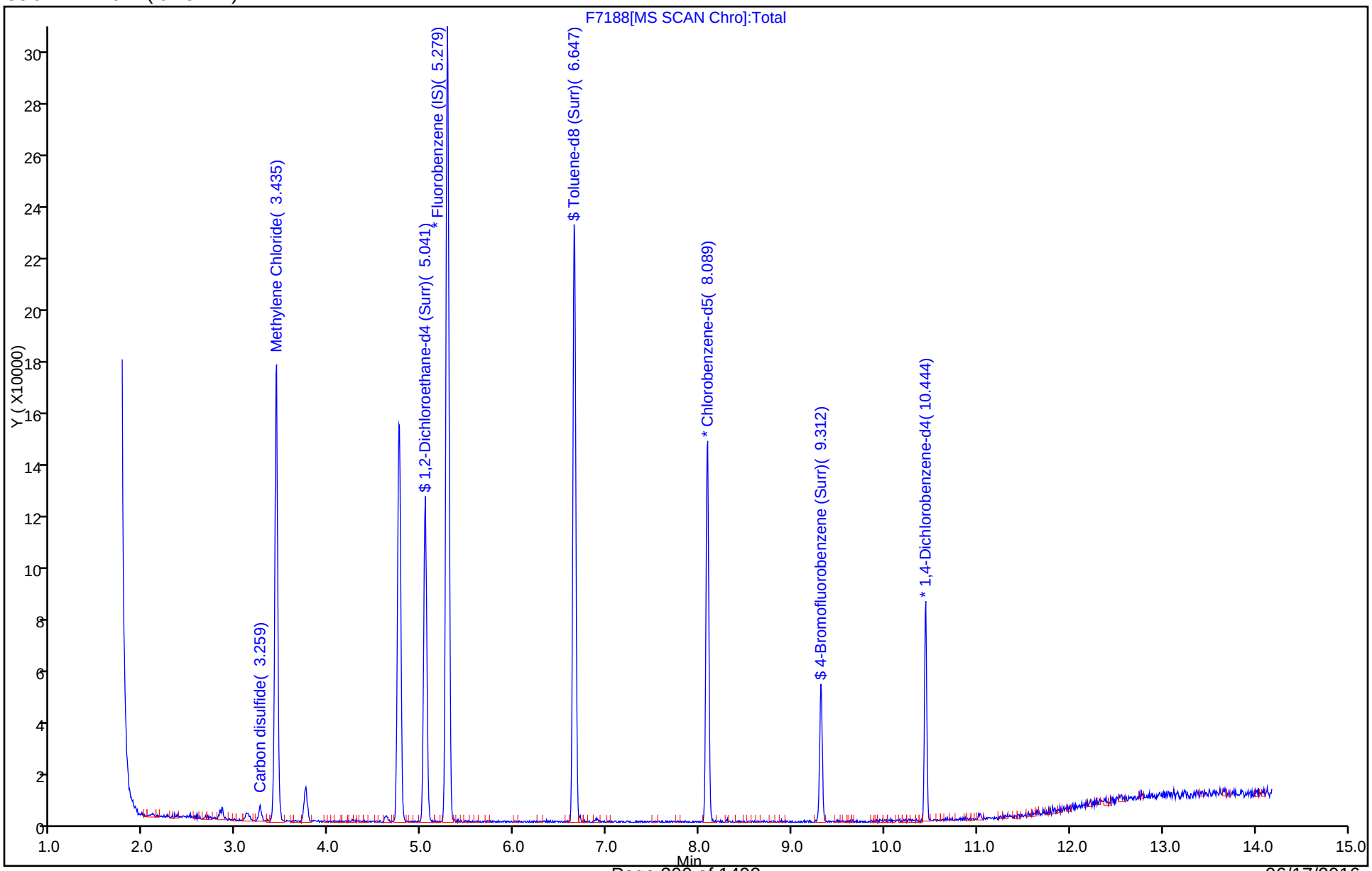
Report Date: 14-Jun-2016 10:07:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7188.D

Injection Date:	14-Jun-2016 04:56:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-28-B	Lab Sample ID:	480-101258-28	Worklist Smp#:	16
Client ID:	B113-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7188.D
Lims ID: 480-101258-A-28-B
Client ID: B113-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 04:56:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-28-B
Misc. Info.: 480-0054007-016
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:07:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	55.9	111.84
$ 5 Toluene-d8 (Surr)	50.0	74.1	148.11
$ 6 4-Bromofluorobenzene (Surr)	50.0	23.2	46.33

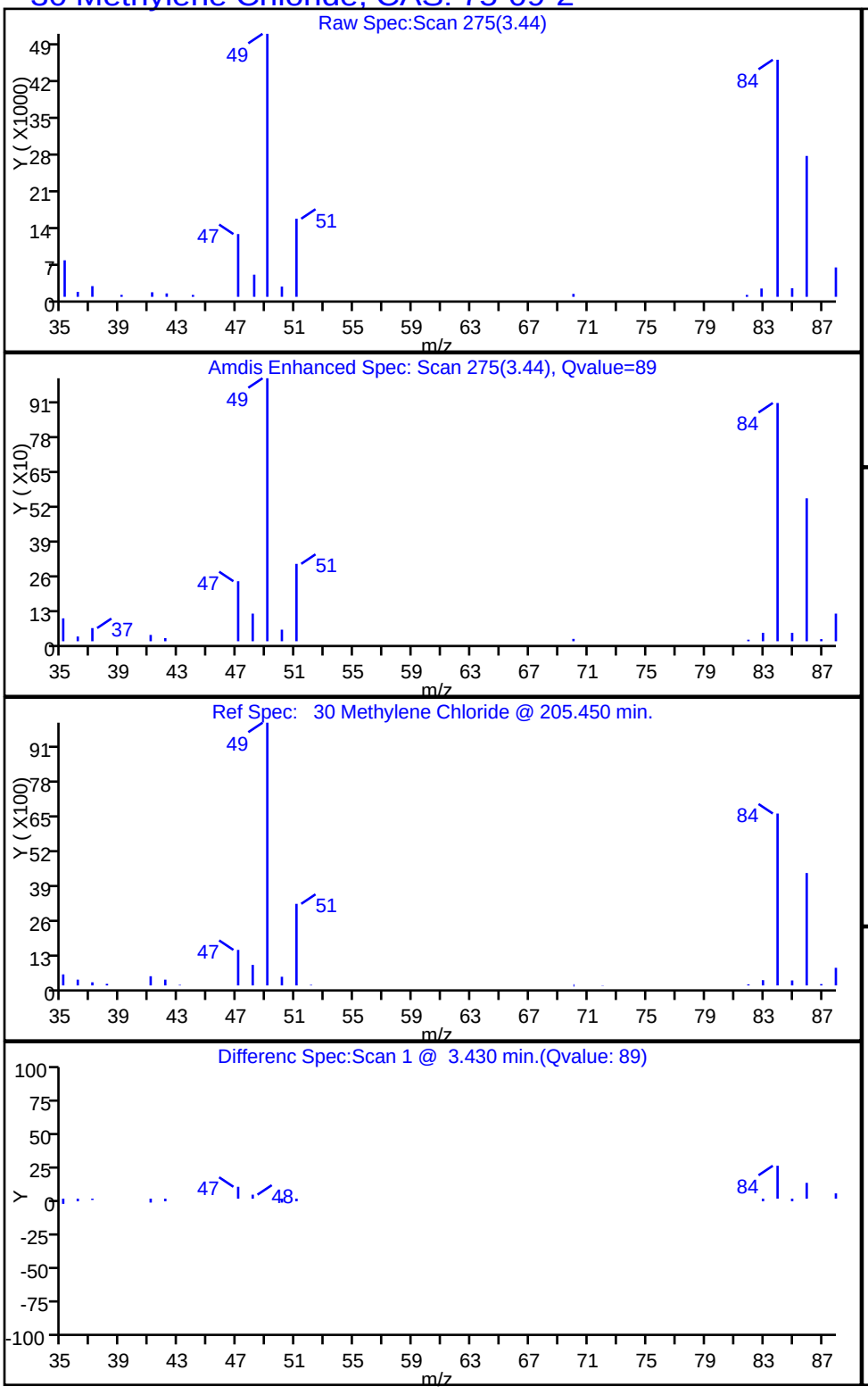
Report Date: 14-Jun-2016 10:07:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

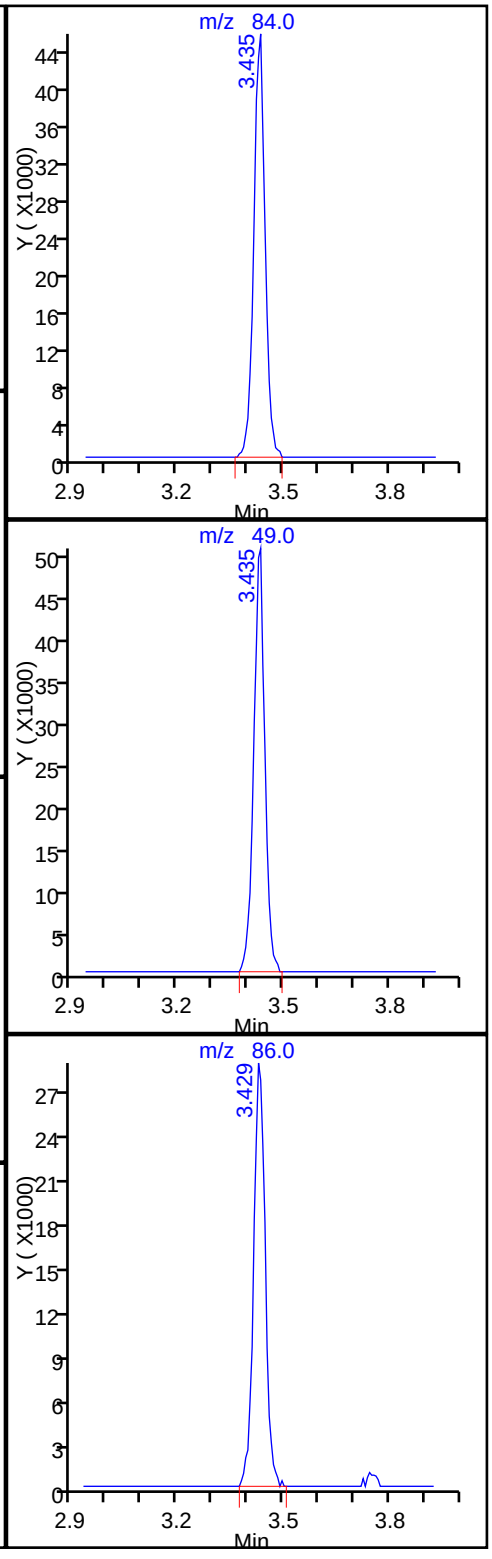
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7188.D

Injection Date:	14-Jun-2016 04:56:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-28-B	Lab Sample ID:	480-101258-28		
Client ID:	B113-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B114-AREA2-S1 | Lab Sample ID: 480-101258-29

Matrix: Solid | Lab File ID: F7189.D

Analysis Method: 8260C | Date Collected: 06/07/2016 08:30

Sample wt/vol: 5.04(g) | Date Analyzed: 06/14/2016 05:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.7	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.7	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3
79-00-5	1,1,2-Trichloroethane	ND	*	5.7	0.74
75-34-3	1,1-Dichloroethane	ND		5.7	0.69
75-35-4	1,1-Dichloroethene	ND		5.7	0.69
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.7	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.7	2.8
106-93-4	1,2-Dibromoethane	ND	*	5.7	0.73
95-50-1	1,2-Dichlorobenzene	ND	*	5.7	0.44
107-06-2	1,2-Dichloroethane	ND		5.7	0.28
78-87-5	1,2-Dichloropropane	ND		5.7	2.8
541-73-1	1,3-Dichlorobenzene	ND	*	5.7	0.29
106-46-7	1,4-Dichlorobenzene	ND	*	5.7	0.79
78-93-3	2-Butanone (MEK)	ND		28	2.1
591-78-6	2-Hexanone	ND	*	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	28	1.9
67-64-1	Acetone	5.5	J	28	4.8
71-43-2	Benzene	ND		5.7	0.28
75-27-4	Bromodichloromethane	ND		5.7	0.76
75-25-2	Bromoform	ND	*	5.7	2.8
74-83-9	Bromomethane	ND		5.7	0.51
75-15-0	Carbon disulfide	ND		5.7	2.8
56-23-5	Carbon tetrachloride	ND		5.7	0.55
108-90-7	Chlorobenzene	ND	*	5.7	0.75
75-00-3	Chloroethane	ND		5.7	1.3
67-66-3	Chloroform	ND		5.7	0.35
74-87-3	Chloromethane	ND		5.7	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.7	0.73
10061-01-5	cis-1,3-Dichloropropene	ND		5.7	0.82
110-82-7	Cyclohexane	ND		5.7	0.79
124-48-1	Dibromochloromethane	ND	*	5.7	0.73
75-71-8	Dichlorodifluoromethane	ND		5.7	0.47
100-41-4	Ethylbenzene	ND	*	5.7	0.39
98-82-8	Isopropylbenzene	ND	*	5.7	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B114-AREA2-S1 | Lab Sample ID: 480-101258-29

Matrix: Solid | Lab File ID: F7189.D

Analysis Method: 8260C | Date Collected: 06/07/2016 08:30

Sample wt/vol: 5.04(g) | Date Analyzed: 06/14/2016 05:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 12.5 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.7	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.7	0.56
108-87-2	Methylcyclohexane	ND		5.7	0.86
75-09-2	Methylene Chloride	12		5.7	2.6
100-42-5	Styrene	ND	*	5.7	0.28
127-18-4	Tetrachloroethene	ND	*	5.7	0.76
108-88-3	Toluene	ND	*	5.7	0.43
156-60-5	trans-1,2-Dichloroethene	ND		5.7	0.58
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.7	2.5
79-01-6	Trichloroethene	ND		5.7	1.2
75-69-4	Trichlorofluoromethane	ND		5.7	0.54
75-01-4	Vinyl chloride	ND		5.7	0.69
1330-20-7	Xylenes, Total	ND		11	0.95

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	52	X *	72-126
2037-26-5	Toluene-d8 (Surr)	136	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7189.D
Lims ID: 480-101258-A-29-B
Client ID: B114-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 05:21:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-29-B
Misc. Info.: 480-0054007-017
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:07:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	144377	50.0	
* 2 Chlorobenzene-d5	82	8.089	8.083	0.006	89	167474	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	97	50697	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	107880	51.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	491403	67.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	60159	25.8	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.113	3.101	0.012	97	10897	4.88	
26 Carbon disulfide	76	3.253	3.253	0.000	98	10605	0.8170	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.423	3.429	-0.006	87	57743	10.5	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

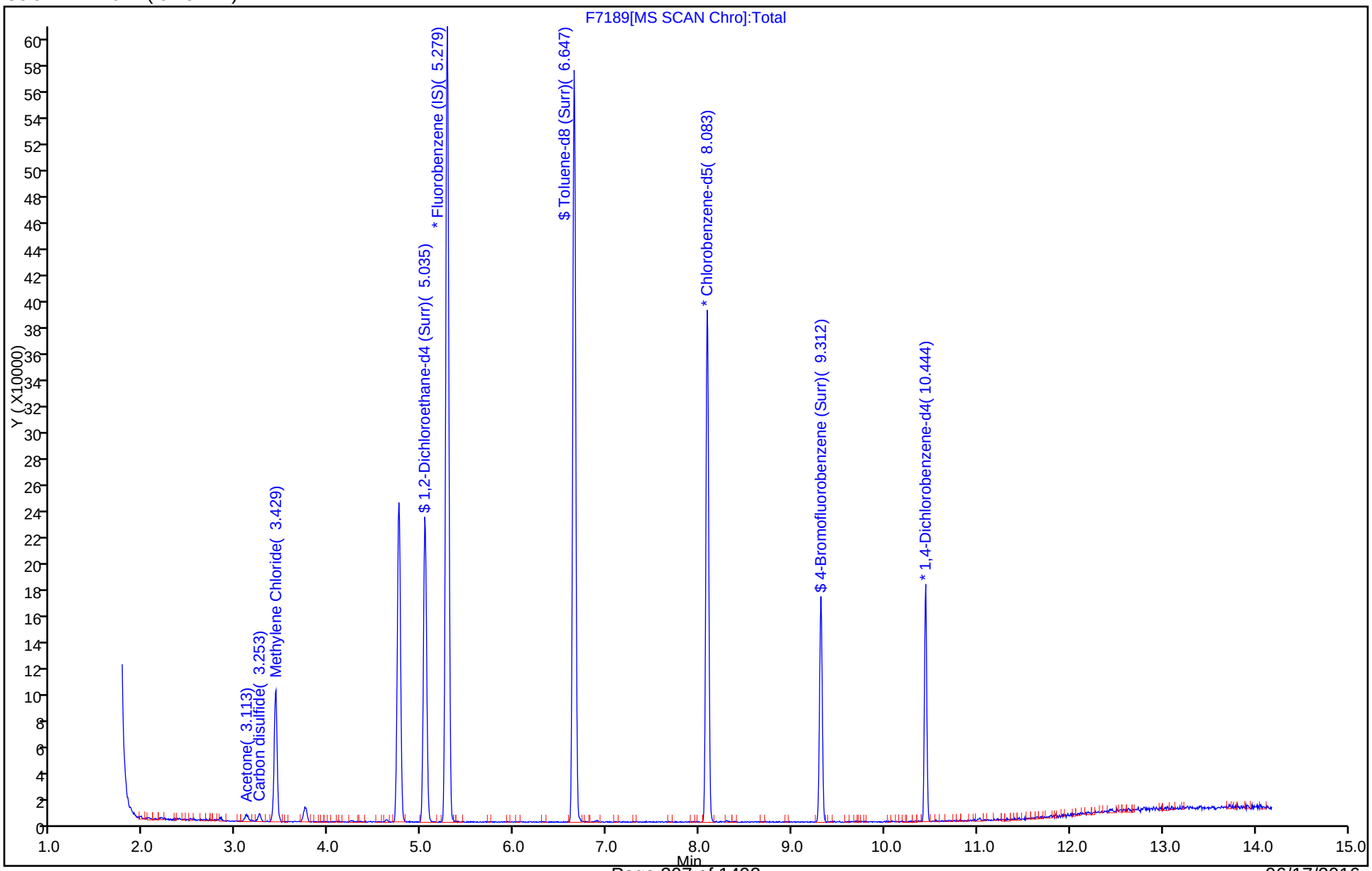
Report Date: 14-Jun-2016 10:07:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7189.D

Injection Date:	14-Jun-2016 05:21:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-29-B	Lab Sample ID:	480-101258-29	Worklist Smp#:	17
Client ID:	B114-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7189.D
Lims ID: 480-101258-A-29-B
Client ID: B114-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 05:21:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-29-B
Misc. Info.: 480-0054007-017
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:55:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:07:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	51.7	103.46
$ 5 Toluene-d8 (Surr)	50.0	67.9	135.74
$ 6 4-Bromofluorobenzene (Surr)	50.0	25.8	51.63

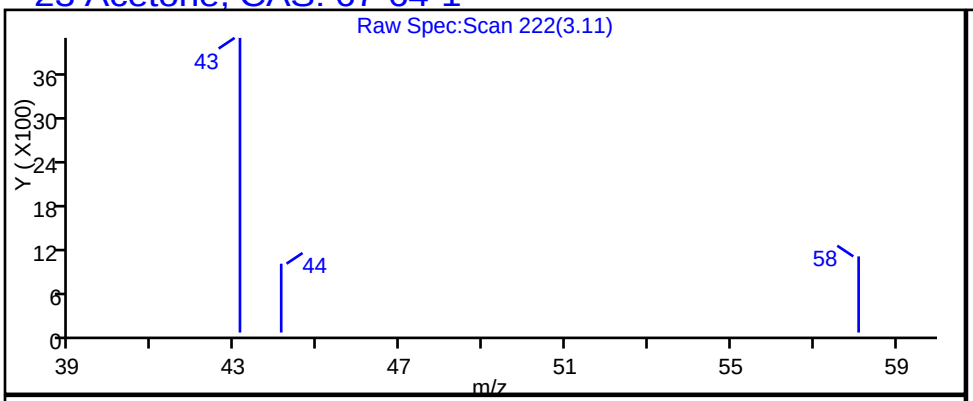
Report Date: 14-Jun-2016 10:07:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

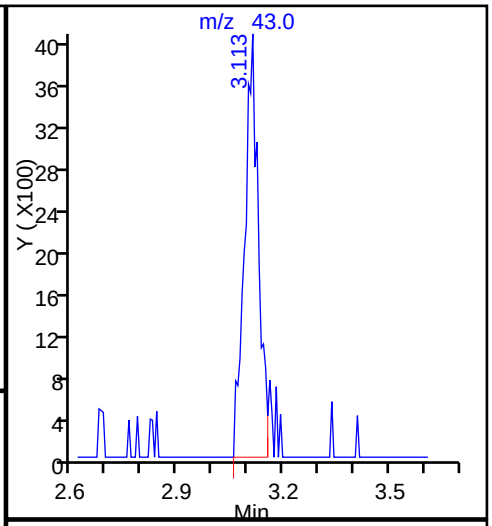
TestAmerica Buffalo

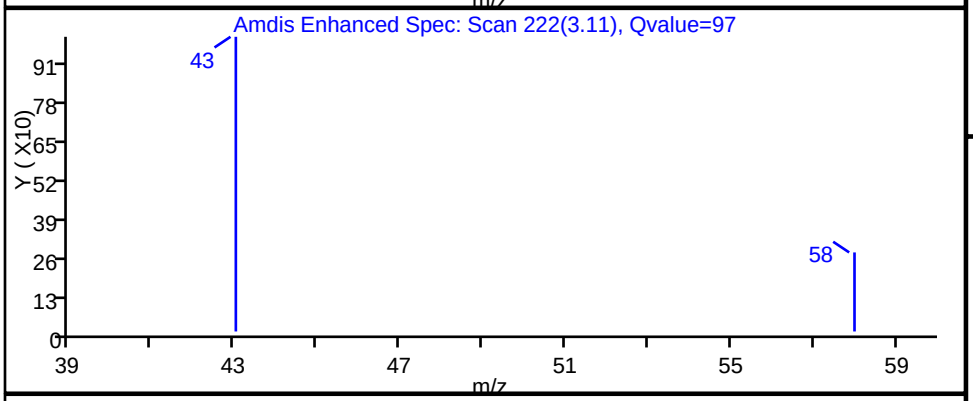
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7189.D

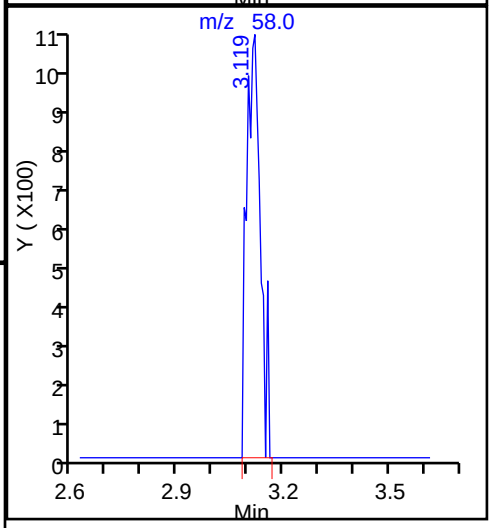
Injection Date:	14-Jun-2016 05:21:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-29-B	Lab Sample ID:	480-101258-29		
Client ID:	B114-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

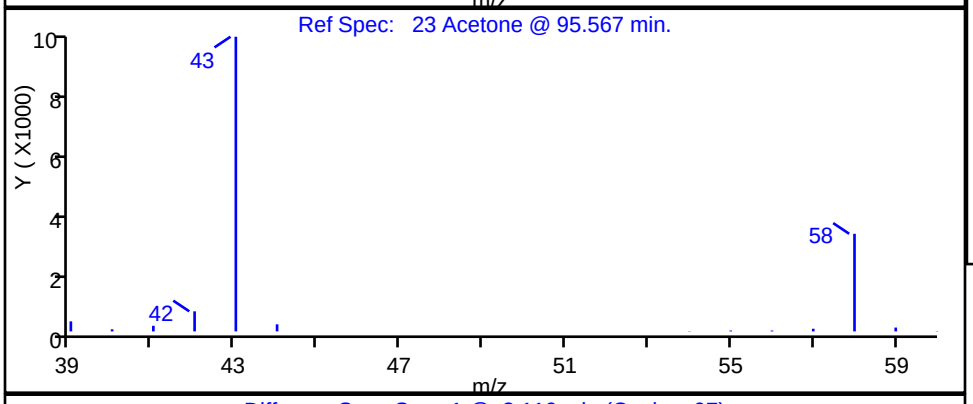
23 Acetone, CAS: 67-64-1

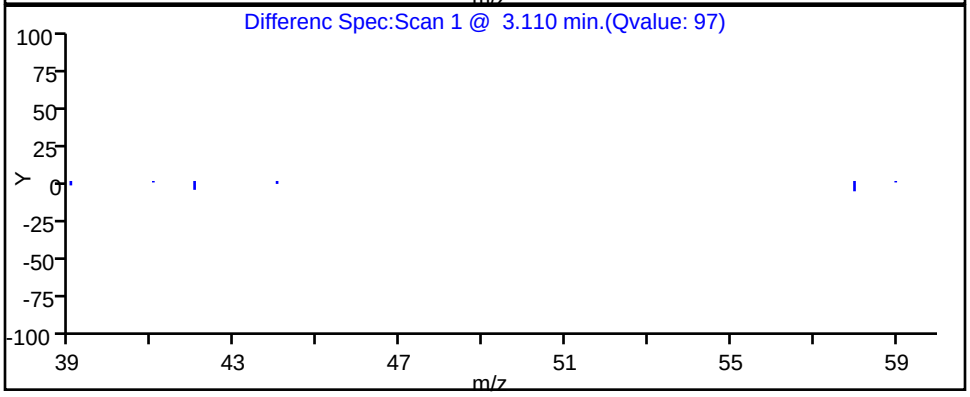






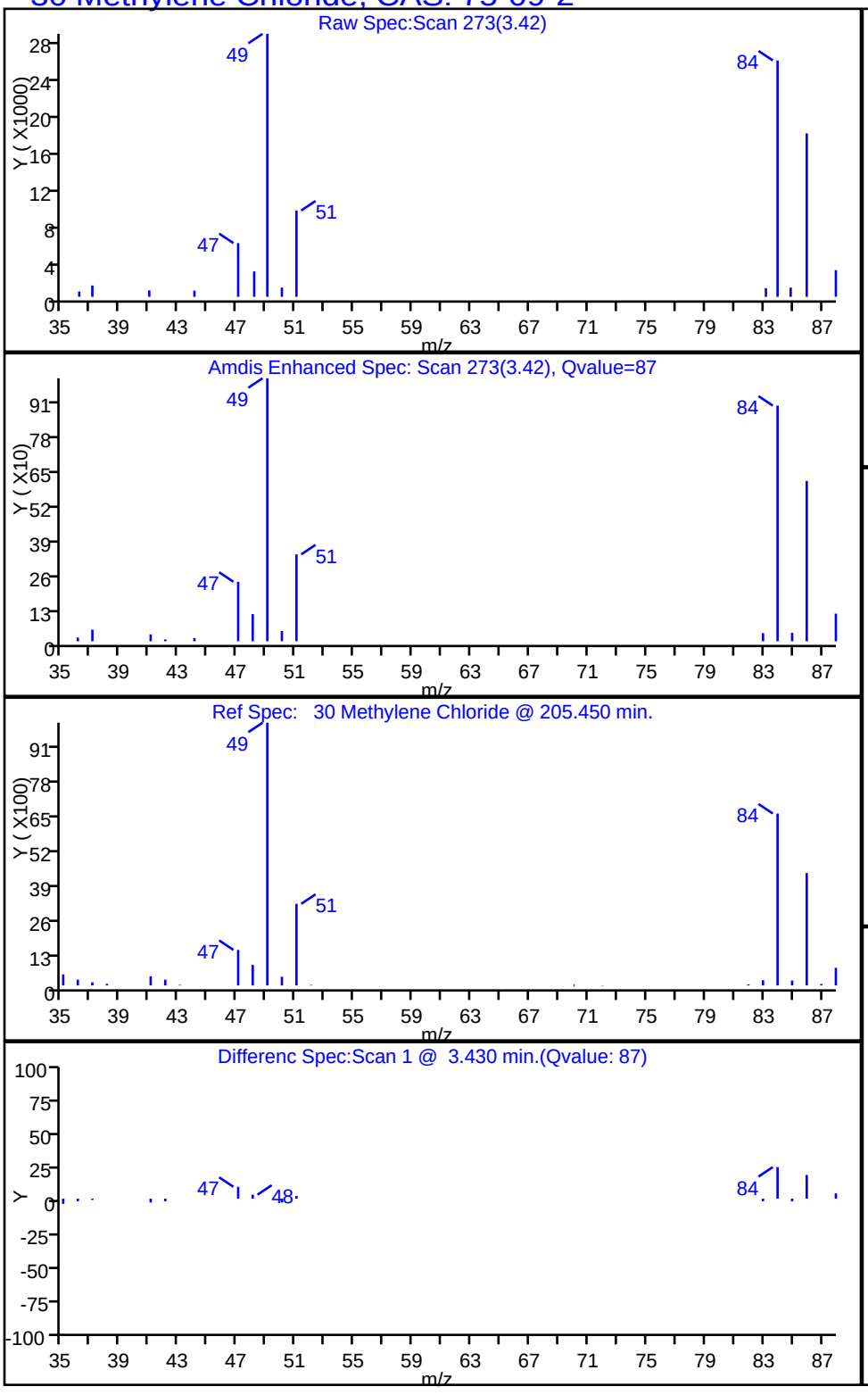


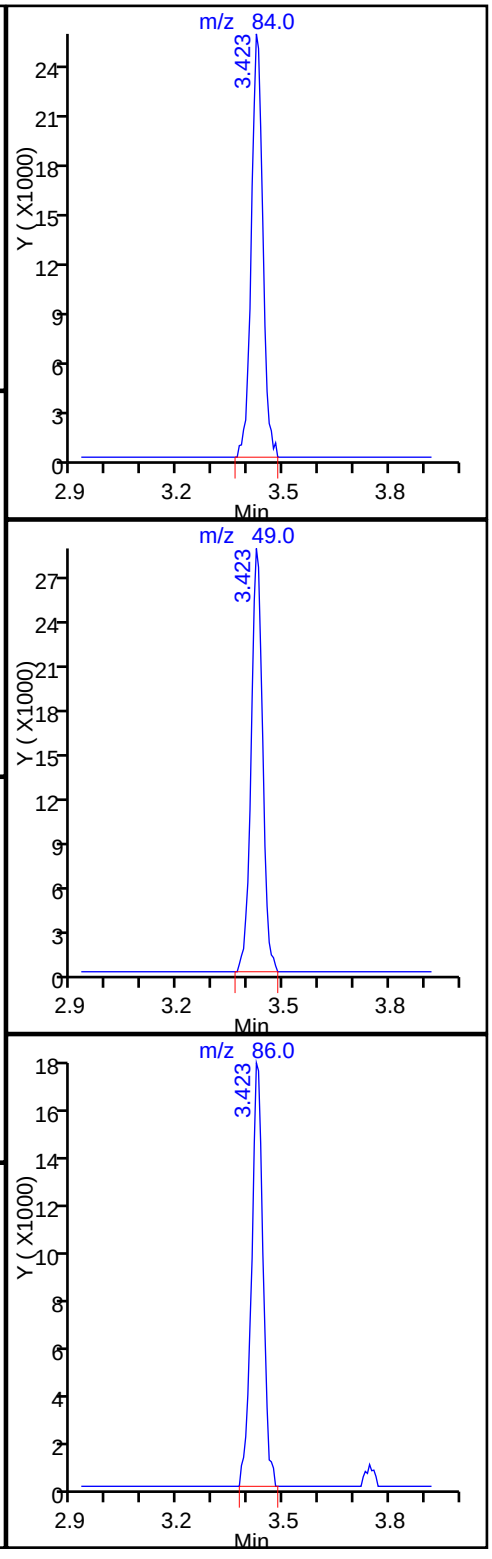




Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7189.D
Injection Date: 14-Jun-2016 05:21:30 Instrument ID: HP5973F
Lims ID: 480-101258-A-29-B Lab Sample ID: 480-101258-29
Client ID: B114-AREA2-S1
Operator ID: NMD ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B114-AREA2-S2 | Lab Sample ID: 480-101258-30

Matrix: Solid | Lab File ID: F7190.D

Analysis Method: 8260C | Date Collected: 06/07/2016 08:35

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 05:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 19.3 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.2	0.45
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.2	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	1.4
79-00-5	1,1,2-Trichloroethane	ND		6.2	0.80
75-34-3	1,1-Dichloroethane	ND		6.2	0.75
75-35-4	1,1-Dichloroethene	ND		6.2	0.76
120-82-1	1,2,4-Trichlorobenzene	ND		6.2	0.38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.2	3.1
106-93-4	1,2-Dibromoethane	ND		6.2	0.79
95-50-1	1,2-Dichlorobenzene	ND		6.2	0.48
107-06-2	1,2-Dichloroethane	ND		6.2	0.31
78-87-5	1,2-Dichloropropane	ND		6.2	3.1
541-73-1	1,3-Dichlorobenzene	ND		6.2	0.32
106-46-7	1,4-Dichlorobenzene	ND		6.2	0.87
78-93-3	2-Butanone (MEK)	ND		31	2.3
591-78-6	2-Hexanone	ND		31	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		31	2.0
67-64-1	Acetone	ND		31	5.2
71-43-2	Benzene	ND		6.2	0.30
75-27-4	Bromodichloromethane	ND		6.2	0.83
75-25-2	Bromoform	ND		6.2	3.1
74-83-9	Bromomethane	ND		6.2	0.56
75-15-0	Carbon disulfide	ND		6.2	3.1
56-23-5	Carbon tetrachloride	ND		6.2	0.60
108-90-7	Chlorobenzene	ND		6.2	0.82
75-00-3	Chloroethane	ND		6.2	1.4
67-66-3	Chloroform	ND		6.2	0.38
74-87-3	Chloromethane	ND		6.2	0.37
156-59-2	cis-1,2-Dichloroethene	ND		6.2	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		6.2	0.89
110-82-7	Cyclohexane	ND		6.2	0.87
124-48-1	Dibromochloromethane	ND		6.2	0.79
75-71-8	Dichlorodifluoromethane	ND		6.2	0.51
100-41-4	Ethylbenzene	ND		6.2	0.43
98-82-8	Isopropylbenzene	ND		6.2	0.93

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B114-AREA2-S2 | Lab Sample ID: 480-101258-30

Matrix: Solid | Lab File ID: F7190.D

Analysis Method: 8260C | Date Collected: 06/07/2016 08:35

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 05:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 19.3 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.2	3.7
1634-04-4	Methyl tert-butyl ether	ND		6.2	0.61
108-87-2	Methylcyclohexane	ND		6.2	0.94
75-09-2	Methylene Chloride	ND		6.2	2.8
100-42-5	Styrene	ND		6.2	0.31
127-18-4	Tetrachloroethene	ND		6.2	0.83
108-88-3	Toluene	ND		6.2	0.47
156-60-5	trans-1,2-Dichloroethene	ND		6.2	0.64
10061-02-6	trans-1,3-Dichloropropene	ND		6.2	2.7
79-01-6	Trichloroethene	ND		6.2	1.4
75-69-4	Trichlorofluoromethane	ND		6.2	0.58
75-01-4	Vinyl chloride	ND		6.2	0.75
1330-20-7	Xylenes, Total	ND		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	87		72-126
2037-26-5	Toluene-d8 (Surr)	98		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7190.D
Lims ID: 480-101258-A-30-B
Client ID: B114-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 05:47:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-30-B
Misc. Info.: 480-0054007-018
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:08:21 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:08:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	174719	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	347962	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	97	233013	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	130931	51.9	
$ 5 Toluene-d8 (Surr)	98	6.653	6.647	0.006	94	736538	49.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	84	210450	43.5	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43		3.101				ND	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	87	26204	1.44	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 IS_00455	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added: 1.00	Units: uL	Run Reagent

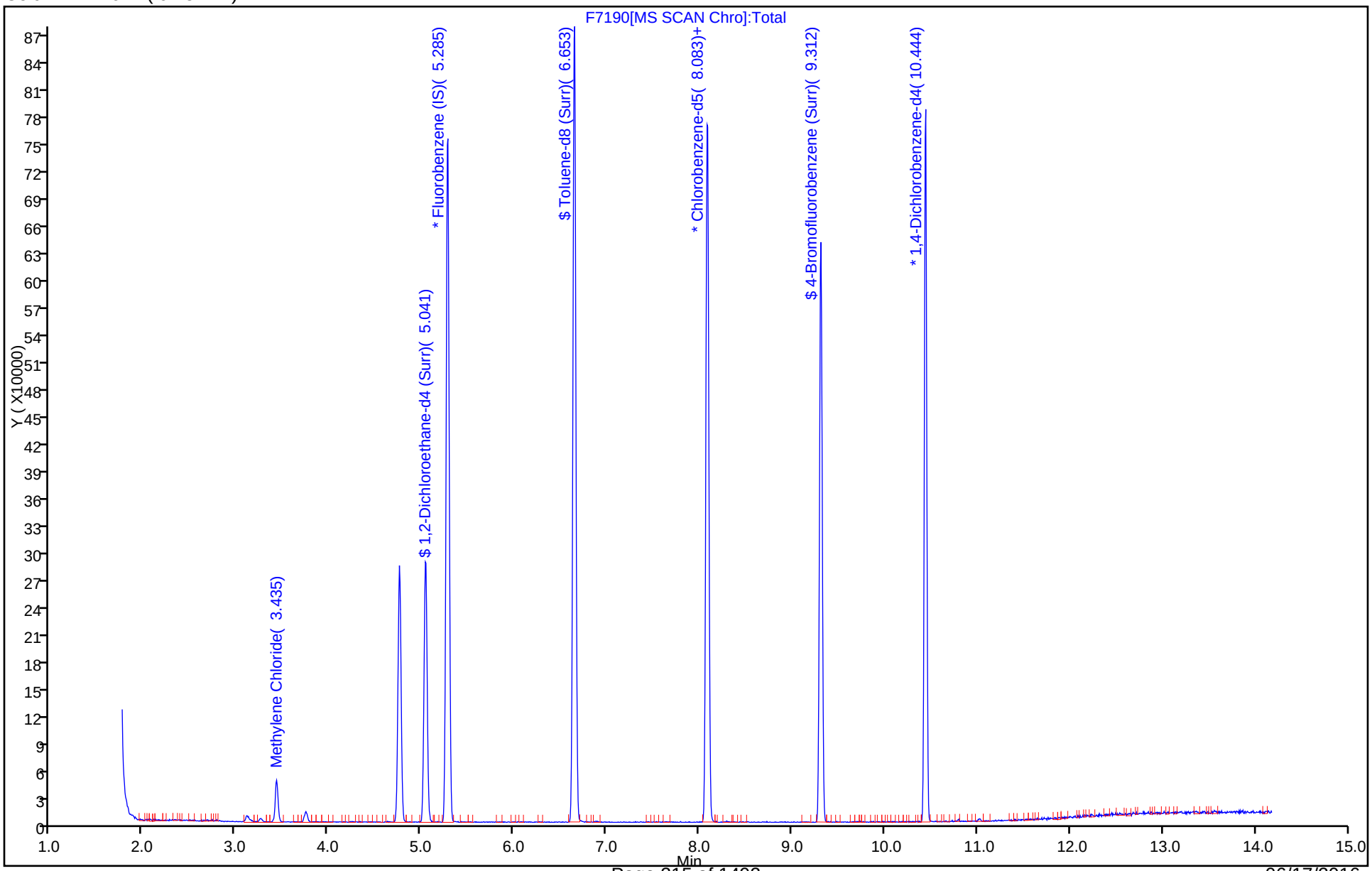
Report Date: 14-Jun-2016 10:08:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7190.D

Injection Date:	14-Jun-2016 05:47:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-30-B	Lab Sample ID:	480-101258-30	Worklist Smp#:	18
Client ID:	B114-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7190.D
Lims ID: 480-101258-A-30-B
Client ID: B114-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 05:47:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-30-B
Misc. Info.: 480-0054007-018
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:08:21 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:08:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	51.9	103.76
$ 5 Toluene-d8 (Surr)	50.0	49.0	97.92
$ 6 4-Bromofluorobenzene (Surr)	50.0	43.5	86.93

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B101-AREA2-S1 | Lab Sample ID: 480-101258-31

Matrix: Solid | Lab File ID: F7191.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:25

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 06:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.4	0.70
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	25	J	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND	*	5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND	*	5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	1.5	J	5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND	*	5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND	*	5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B101-AREA2-S1 | Lab Sample ID: 480-101258-31

Matrix: Solid | Lab File ID: F7191.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:25

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 06:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.5 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	78		5.4	2.5
100-42-5	Styrene	ND	*	5.4	0.27
127-18-4	Tetrachloroethene	0.85	J *	5.4	0.72
108-88-3	Toluene	1.6	J *	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	1.3	J	11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		64-126
460-00-4	4-Bromofluorobenzene (Surr)	51	X *	72-126
2037-26-5	Toluene-d8 (Surr)	143	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D
Lims ID: 480-101258-A-31-B
Client ID: B101-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 06:12:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-31-B
Misc. Info.: 480-0054007-019
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:09:19 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:09:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	121269	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	122966	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.437	10.444	-0.007	97	48232	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	97831	55.9	
$ 5 Toluene-d8 (Surr)	98	6.653	6.647	0.006	94	379388	71.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.318	9.312	0.006	85	43858	25.6	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	98	26649	22.9	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	87	254308	72.1	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83	4.628	4.622	0.006	87	8955	1.40	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95	5.583	5.583	0.000	77	3491	0.9677	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.714	6.714	0.000	95	6501	1.53	M
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166	7.231	7.231	-0.001	74	1452	0.7864	M
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106	8.290	8.296	-0.006	94	3616	1.17	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1				0		1.17	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

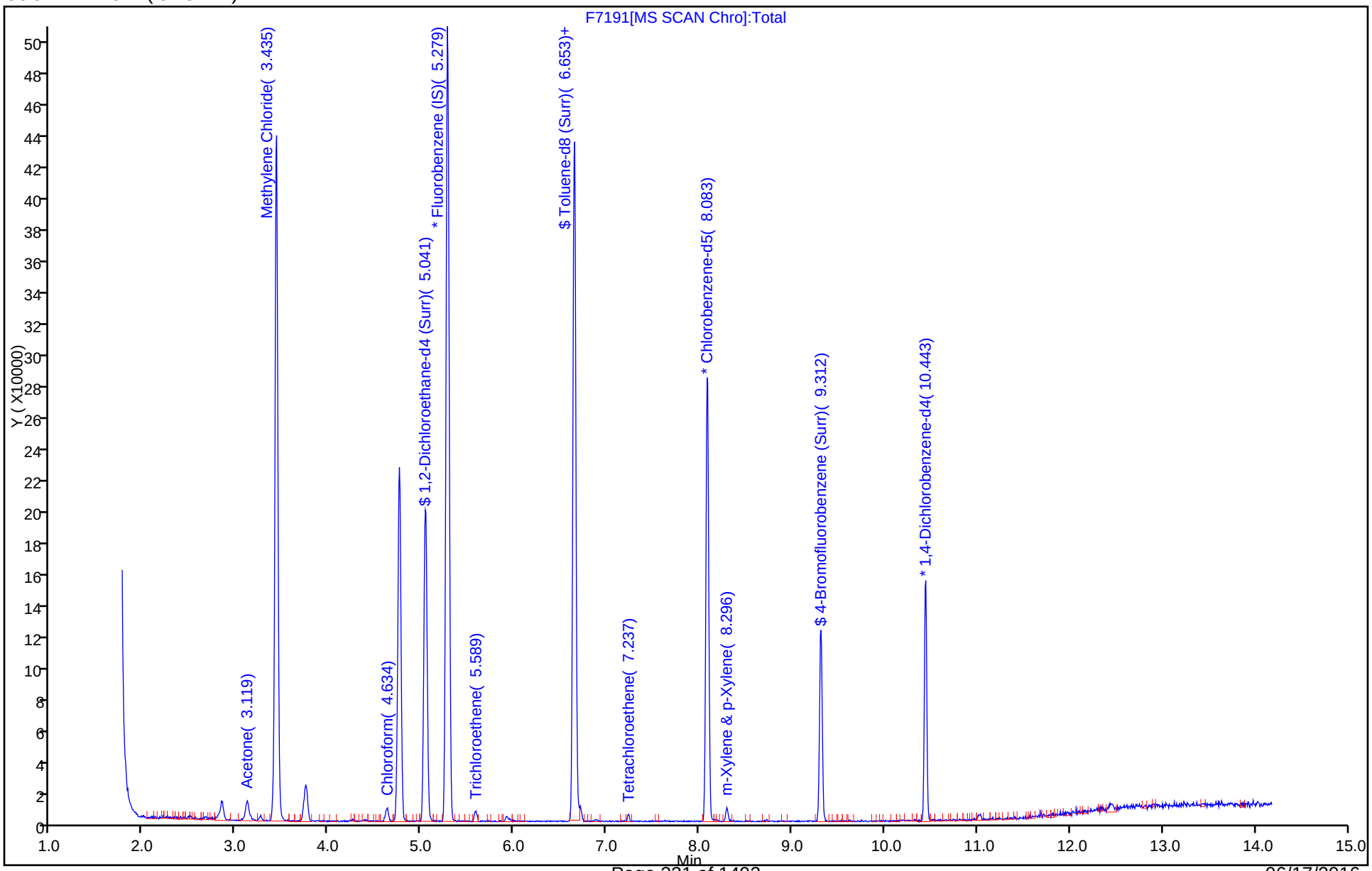
Report Date: 14-Jun-2016 10:09:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D

Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31	Worklist Smp#:	19
Client ID:	B101-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D				
Lims ID:	480-101258-A-31-B				
Client ID:	B101-AREA2-S1				
Sample Type:	Client				
Inject. Date:	14-Jun-2016 06:12:30	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101258-A-31-B				
Misc. Info.:	480-0054007-019				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 10:09:19	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				

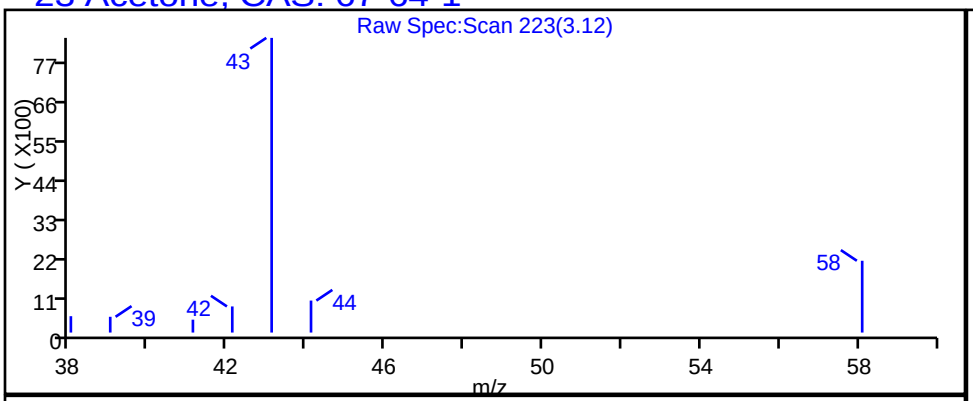
First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:09:19

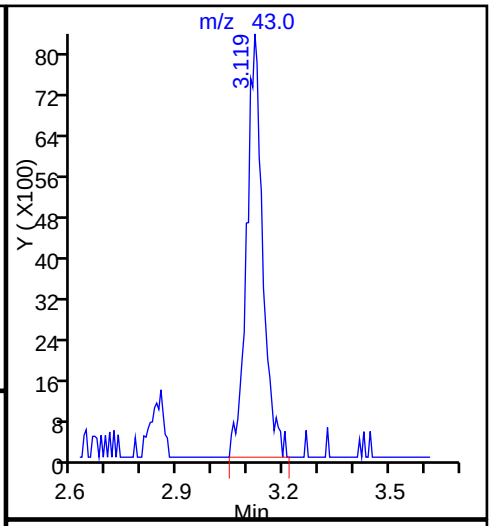
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	55.9	111.70
$ 5 Toluene-d8 (Surr)	50.0	71.4	142.73
$ 6 4-Bromofluorobenzene (Surr)	50.0	25.6	51.27

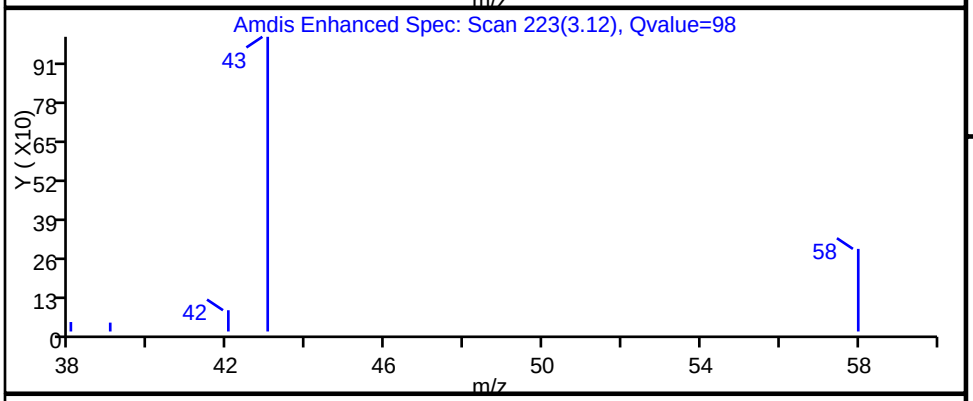
TestAmerica Buffalo

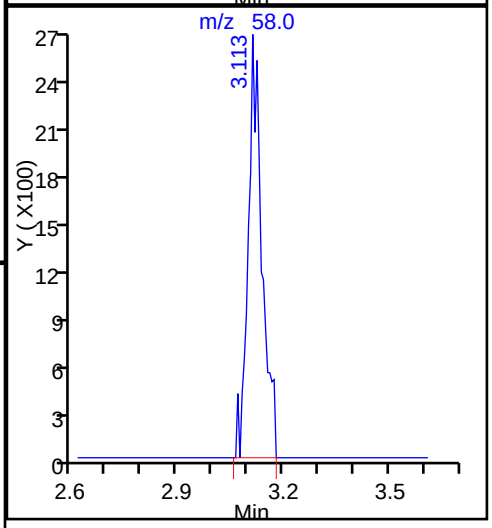
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D				
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31		
Client ID:	B101-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

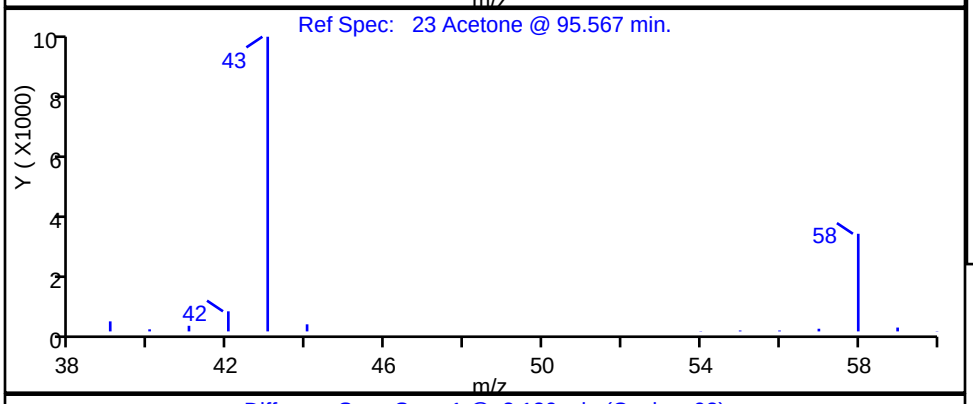
23 Acetone, CAS: 67-64-1

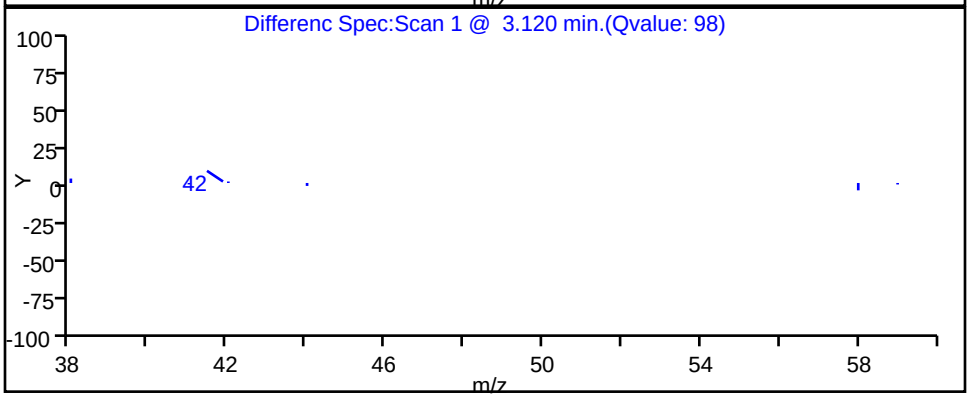








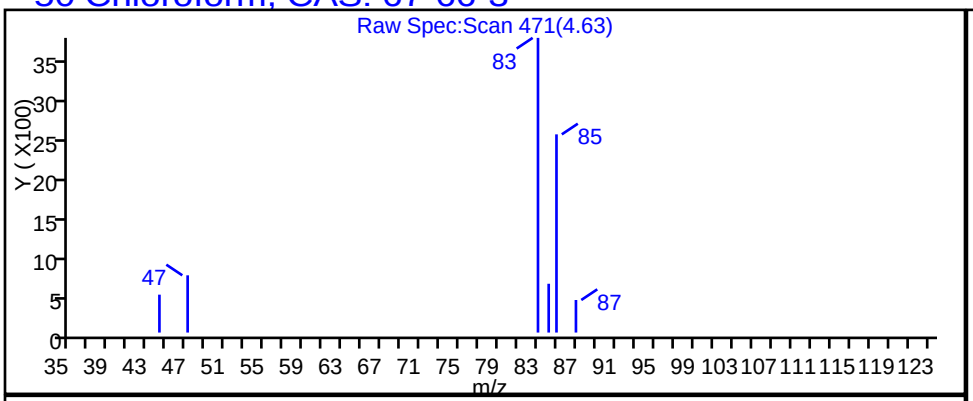


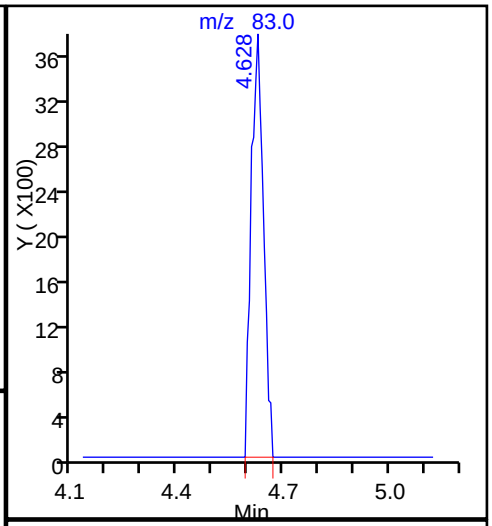


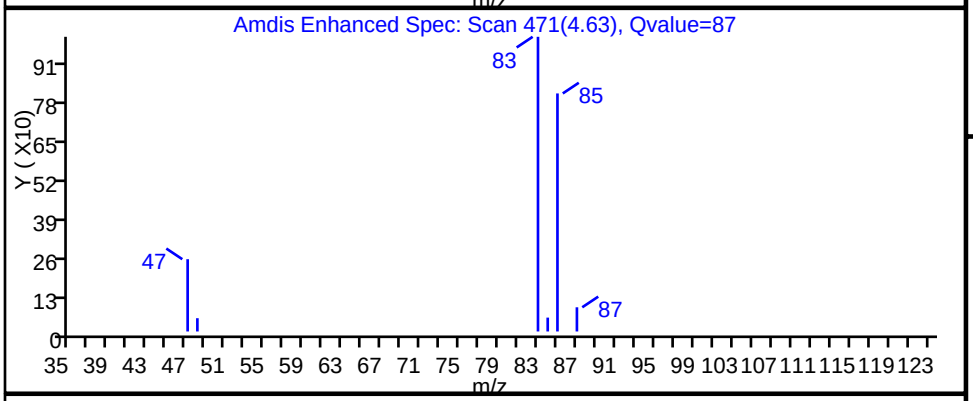
TestAmerica Buffalo

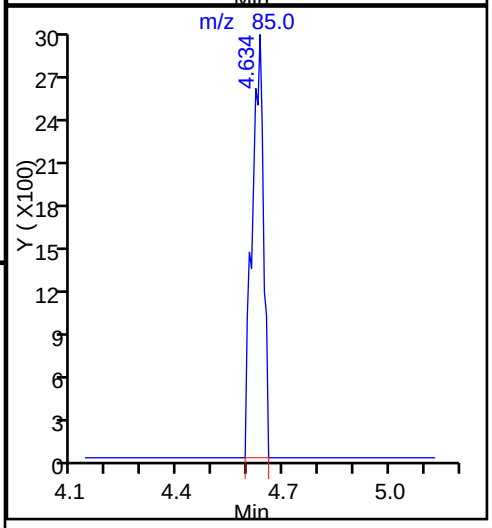
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D				
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31		
Client ID:	B101-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

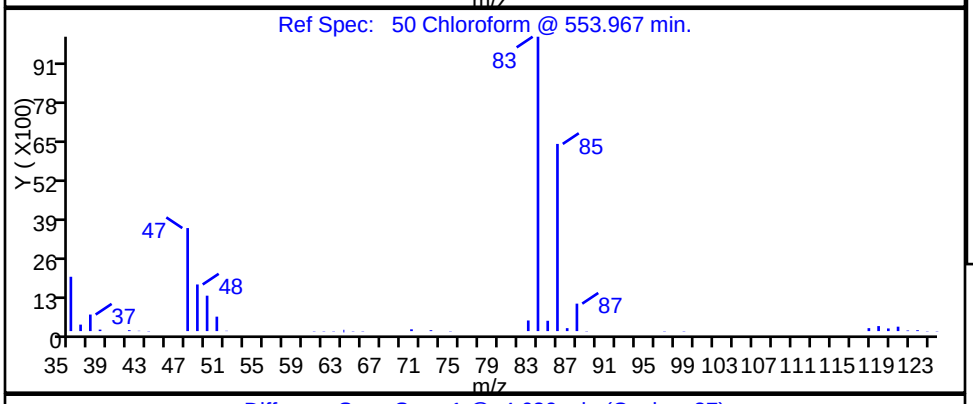
50 Chloroform, CAS: 67-66-3

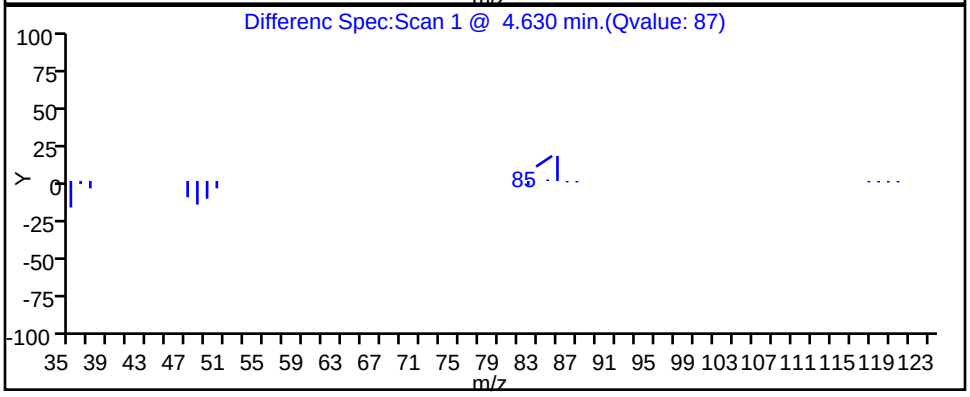












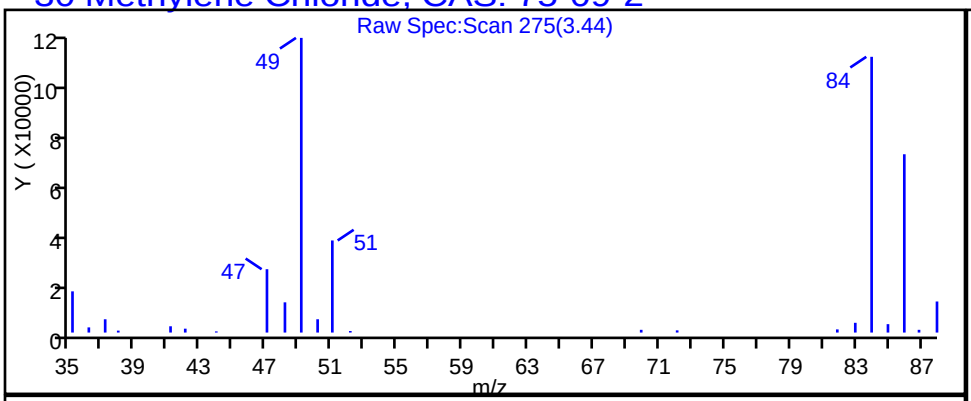
Report Date: 14-Jun-2016 10:09:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

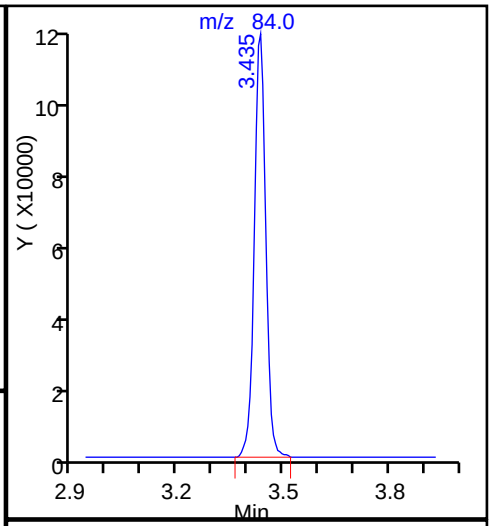
TestAmerica Buffalo

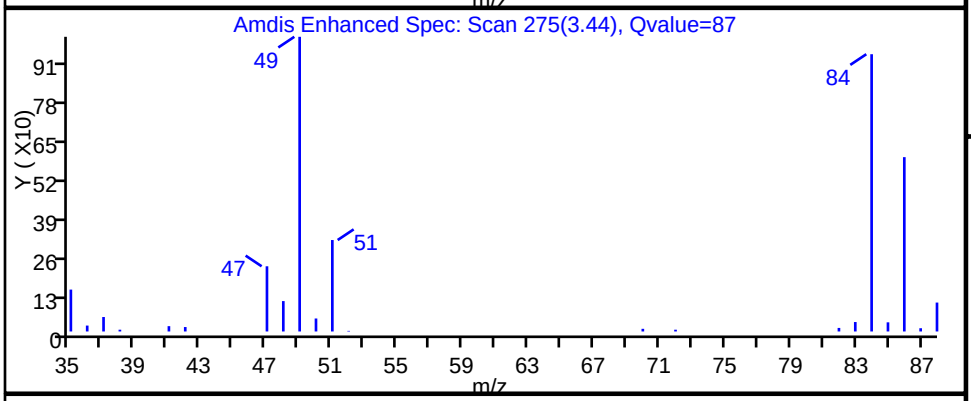
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D

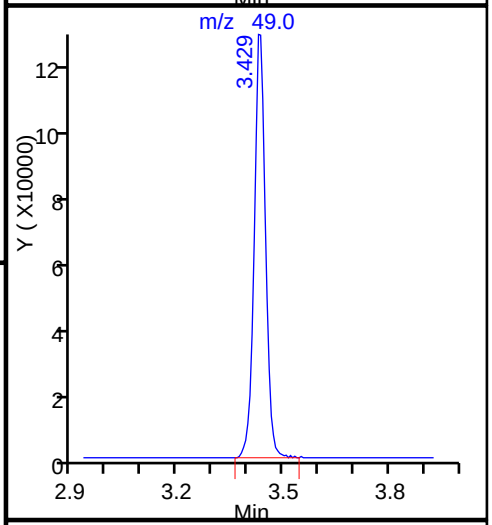
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31
Client ID:	B101-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	19 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

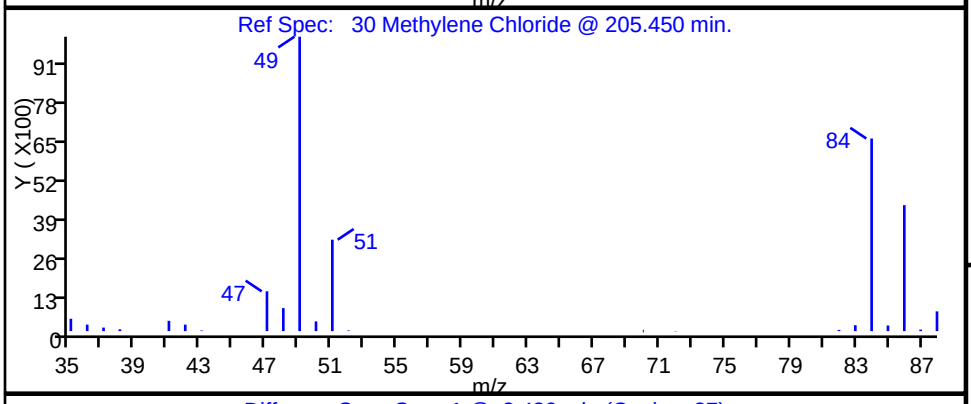
30 Methylene Chloride, CAS: 75-09-2

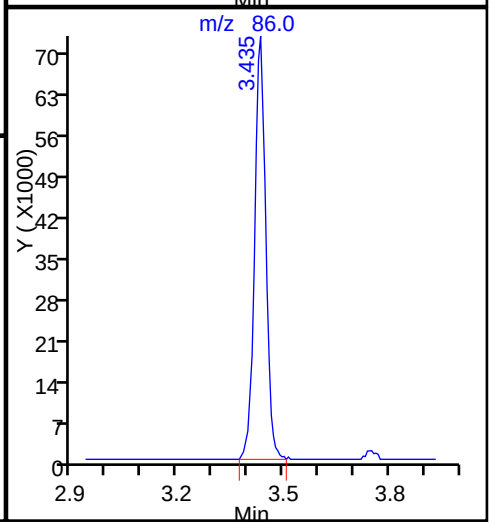


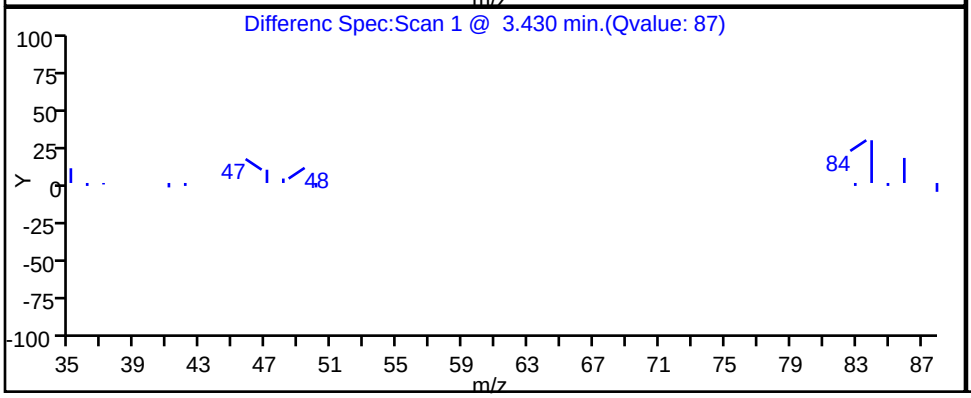










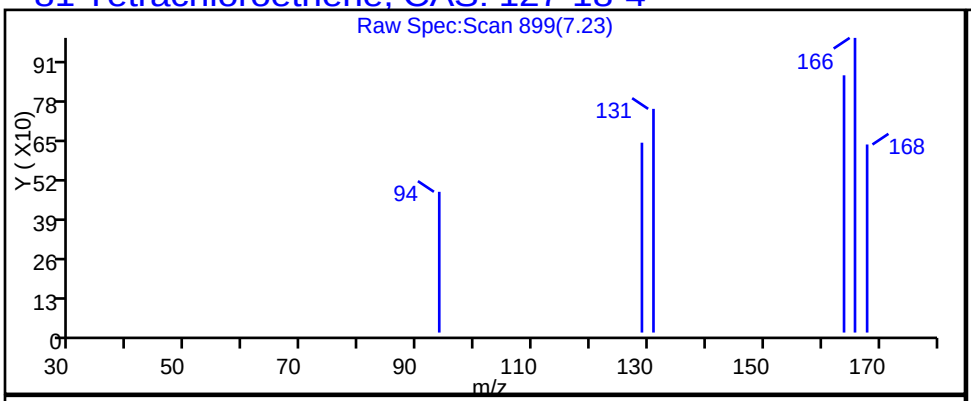


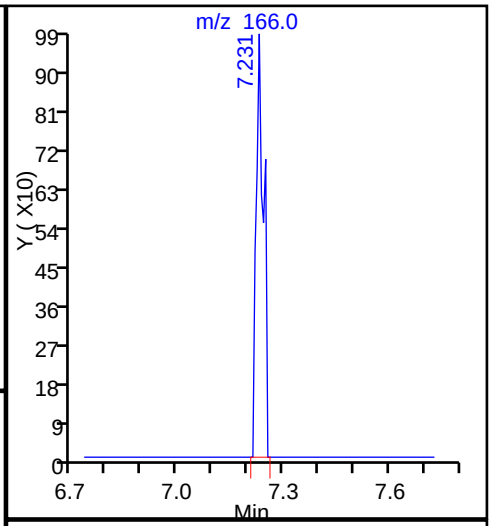
TestAmerica Buffalo

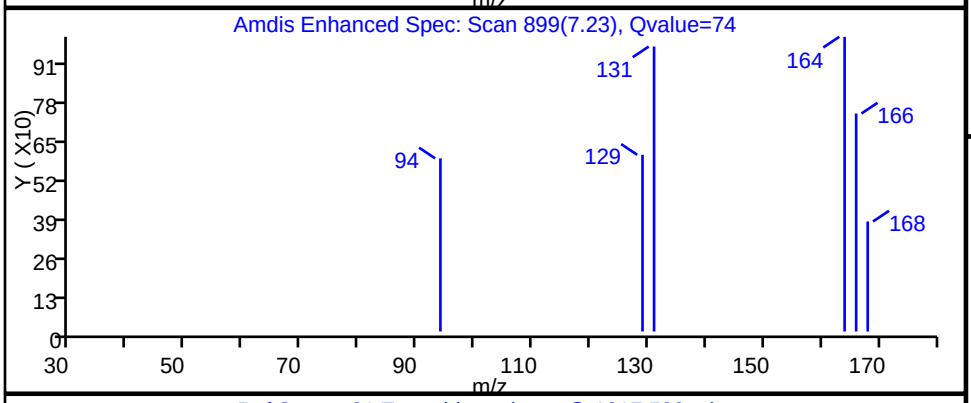
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D

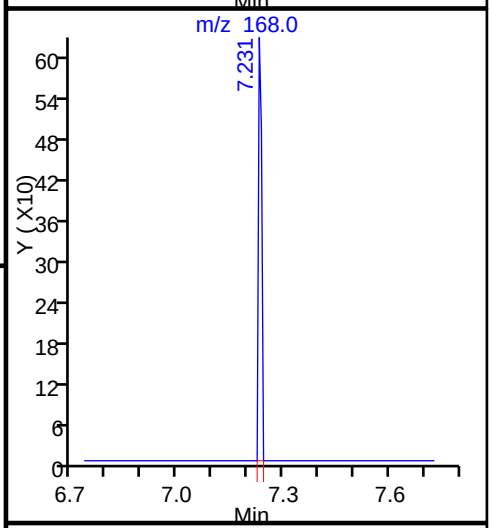
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31
Client ID:	B101-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	19 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

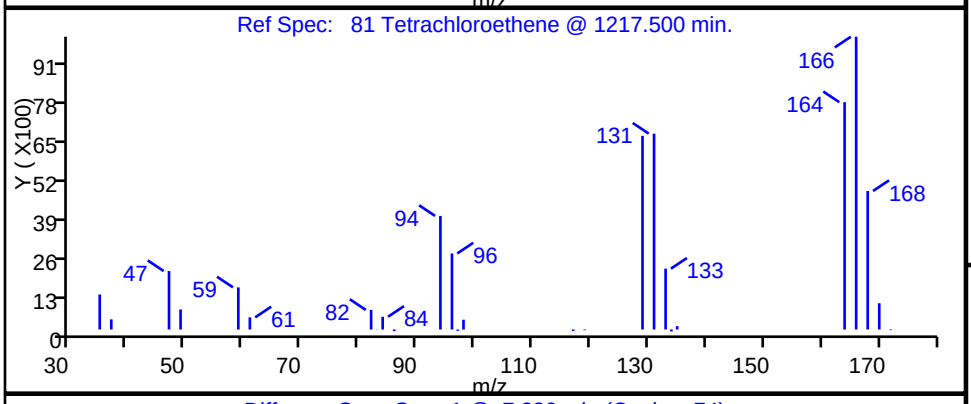
81 Tetrachloroethene, CAS: 127-18-4

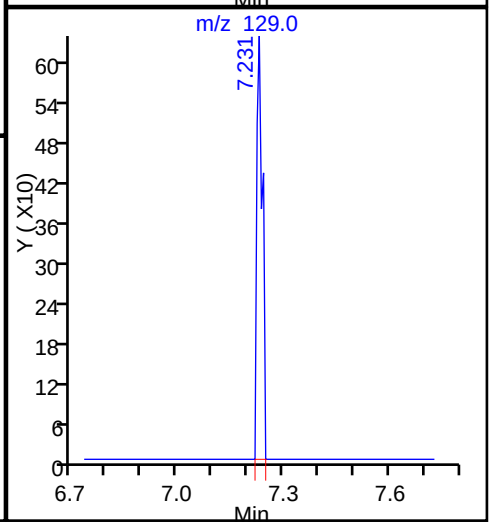


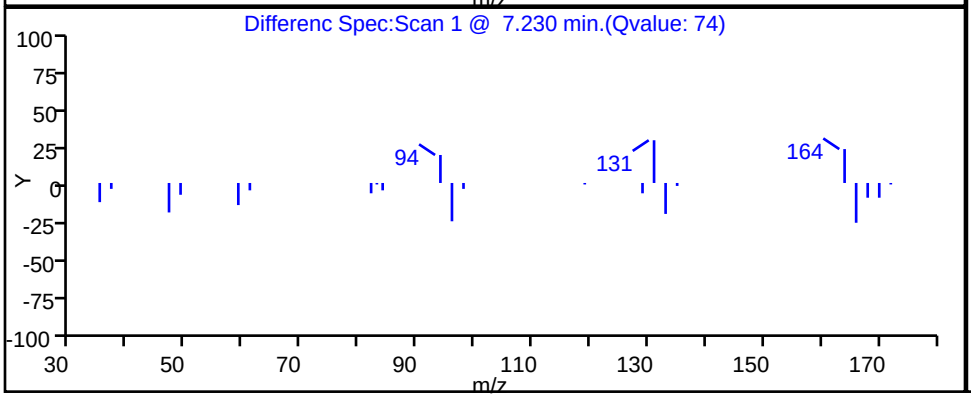








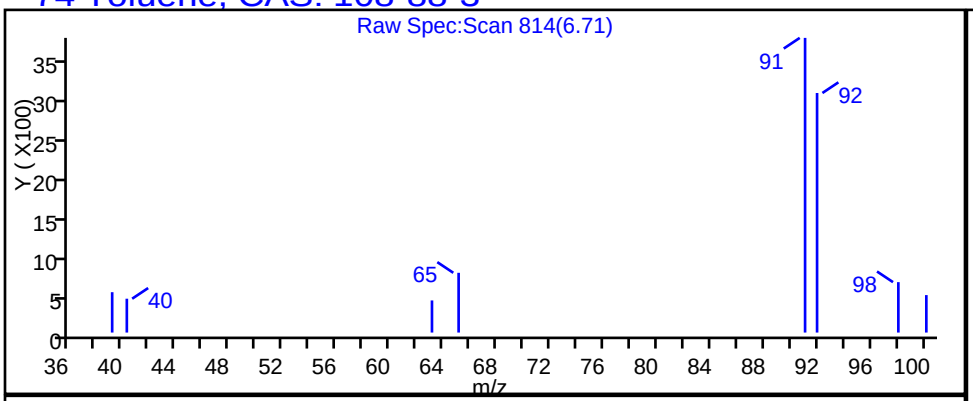


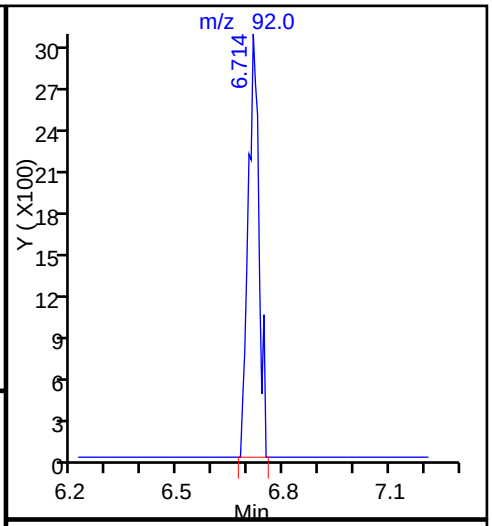


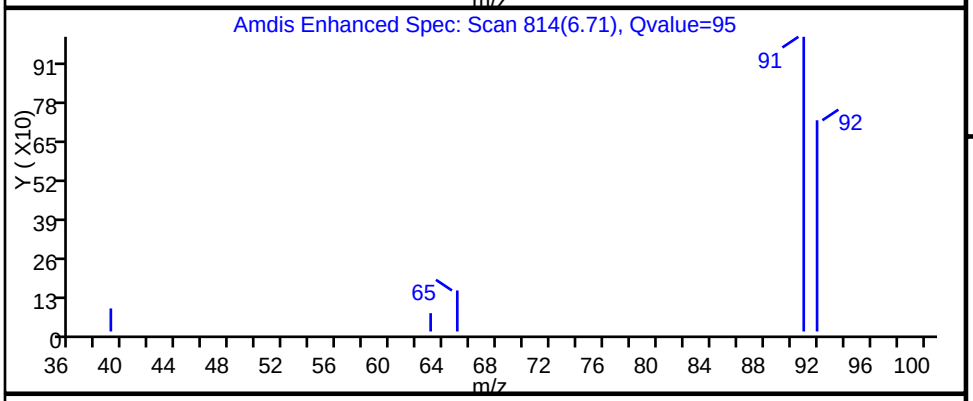
TestAmerica Buffalo

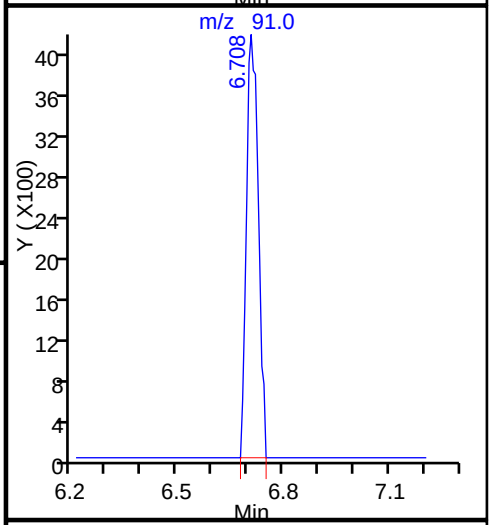
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D				
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31		
Client ID:	B101-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

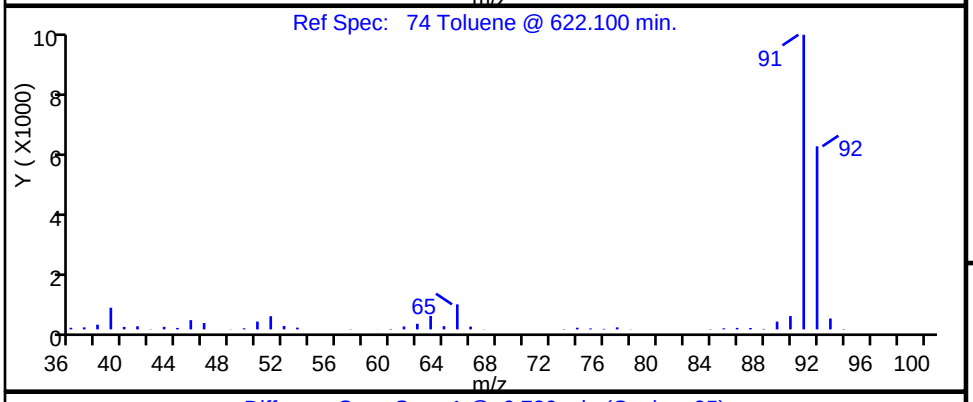
74 Toluene, CAS: 108-88-3

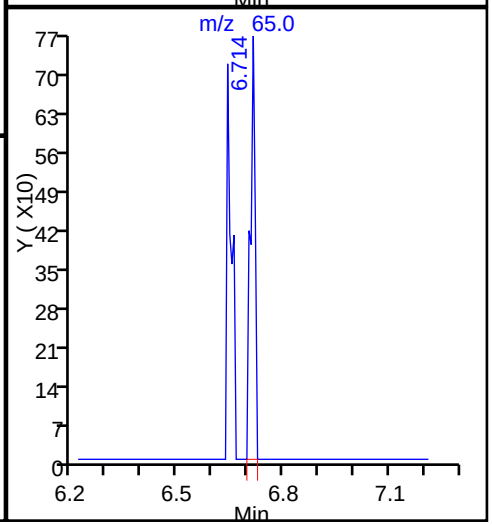


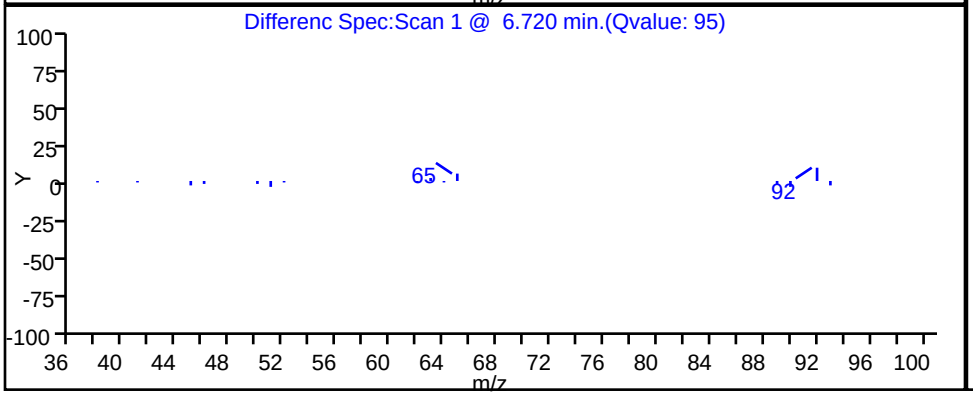












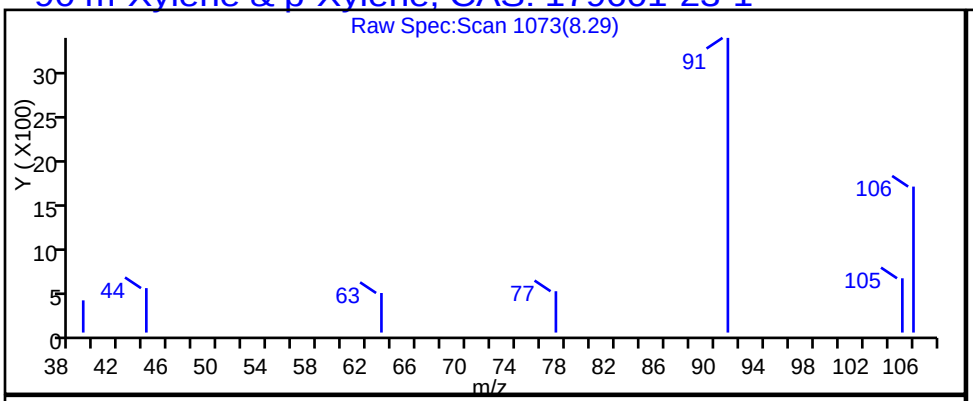
Report Date: 14-Jun-2016 10:09:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

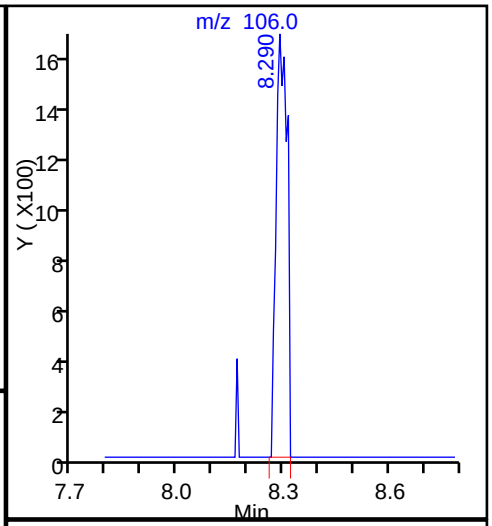
TestAmerica Buffalo

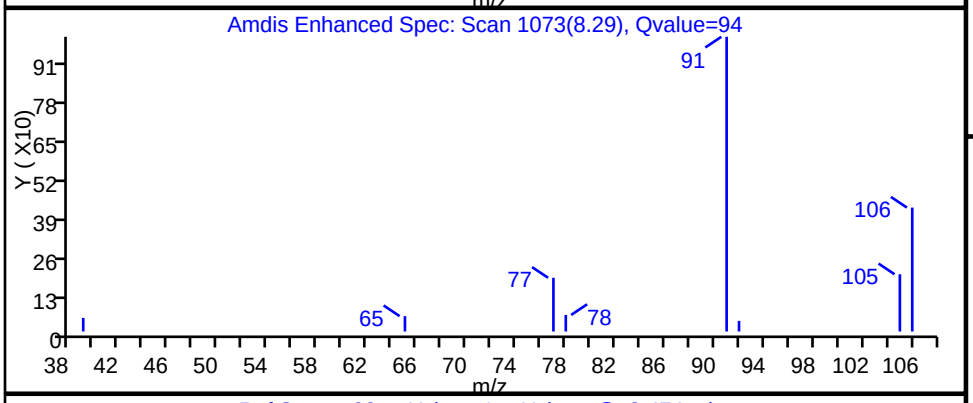
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D

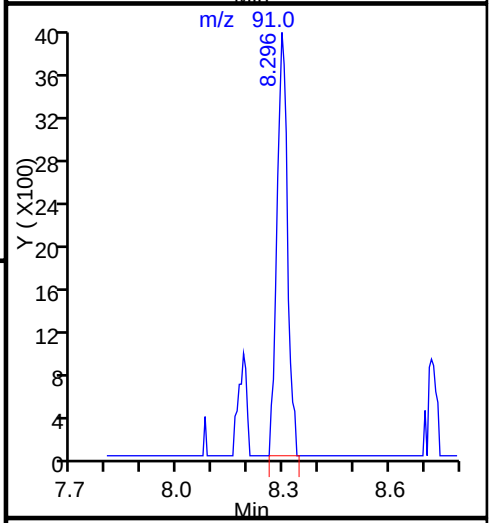
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31		
Client ID:	B101-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

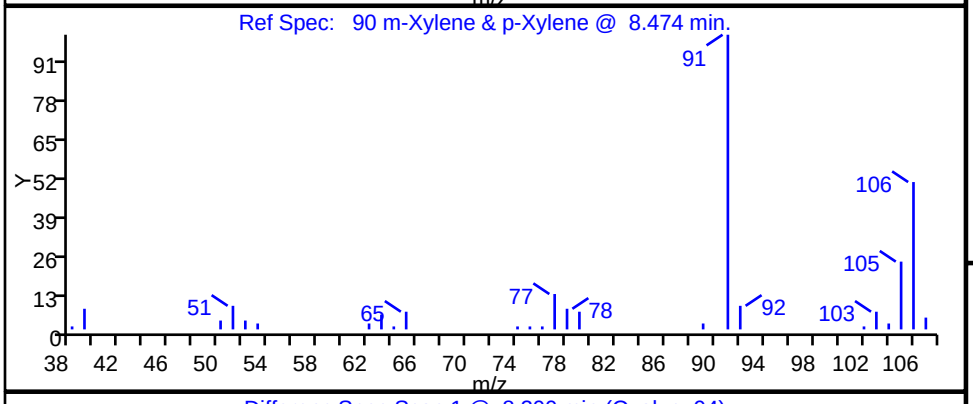
90 m-Xylene & p-Xylene, CAS: 179601-23-1

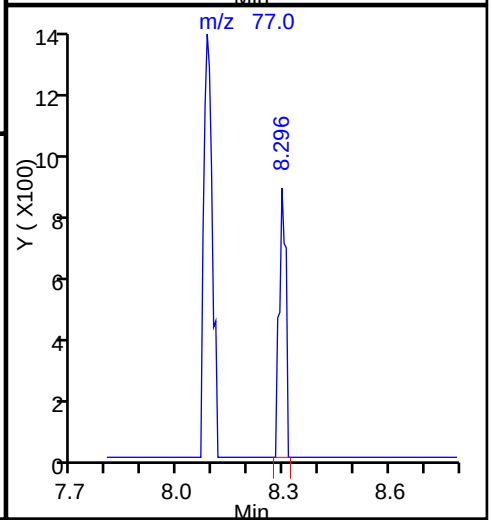


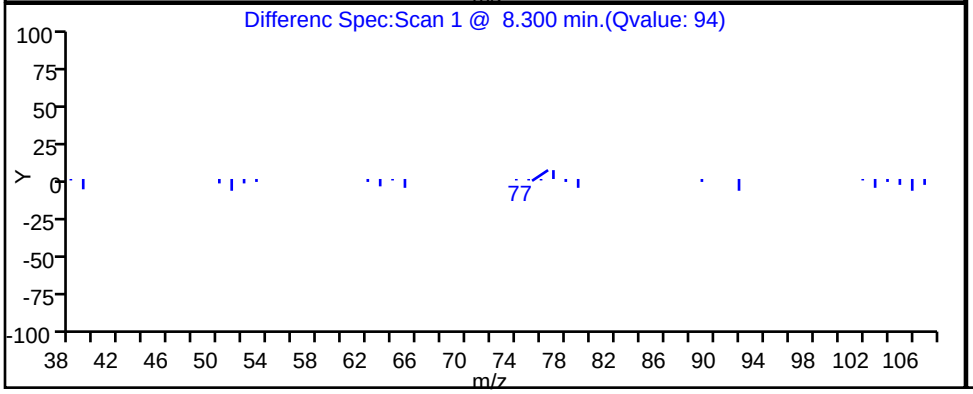












Manual Integration/User Assign Peak Report

TestAmerica Buffalo

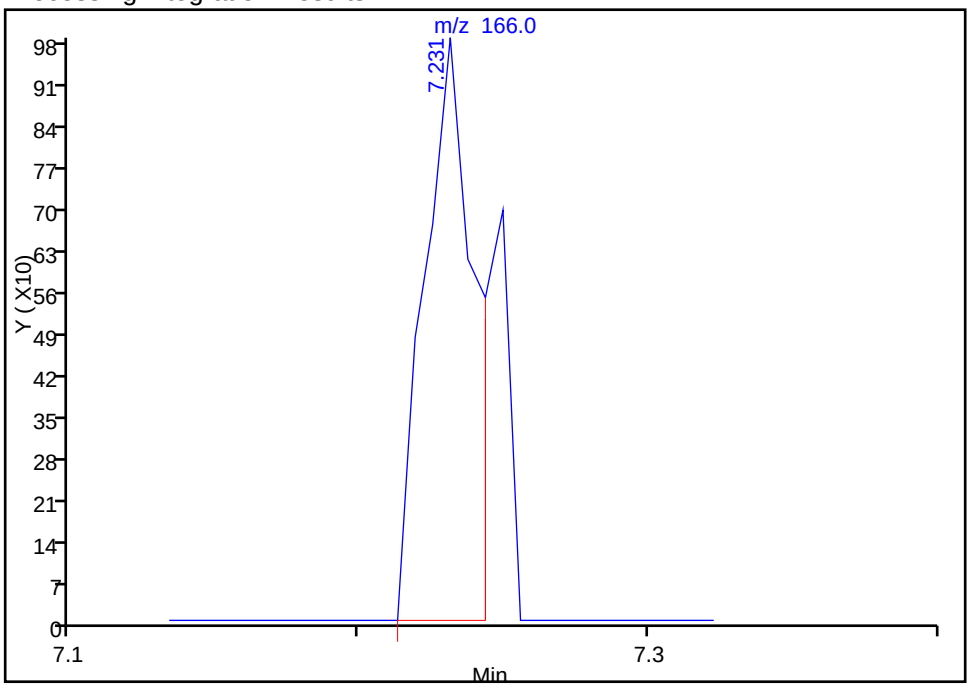
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D				
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31		
Client ID:	B101-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

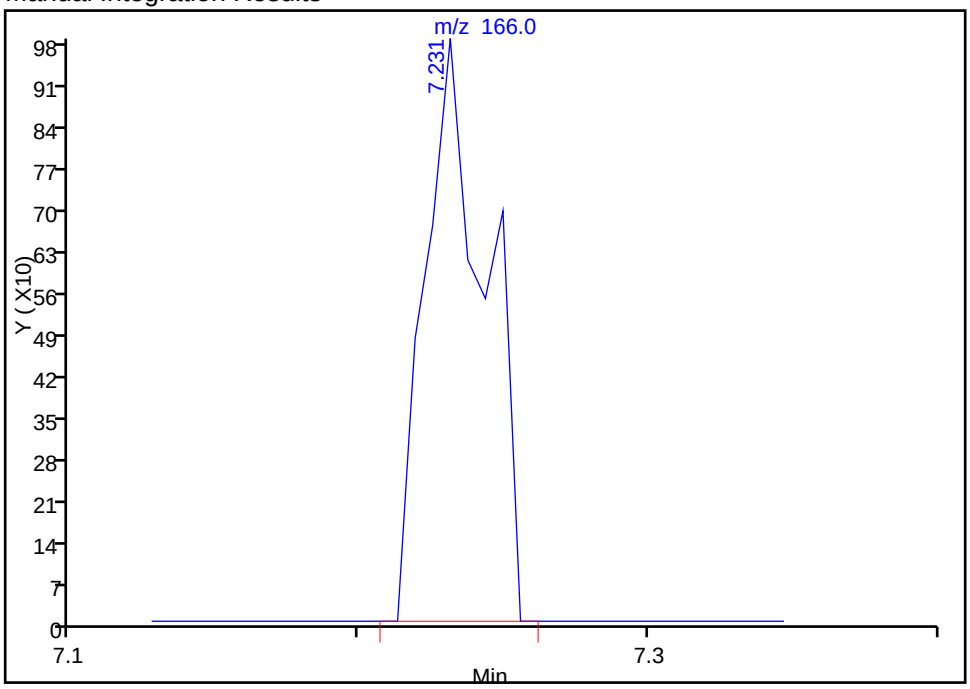
Processing Integration Results

RT: 7.23
Area: 1199
Amount: 0.649408
Amount Units: ug/kg



Manual Integration Results

RT: 7.23
Area: 1452
Amount: 0.786439
Amount Units: ug/kg



Reviewer: cwiklinc, 14-Jun-2016 10:09:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

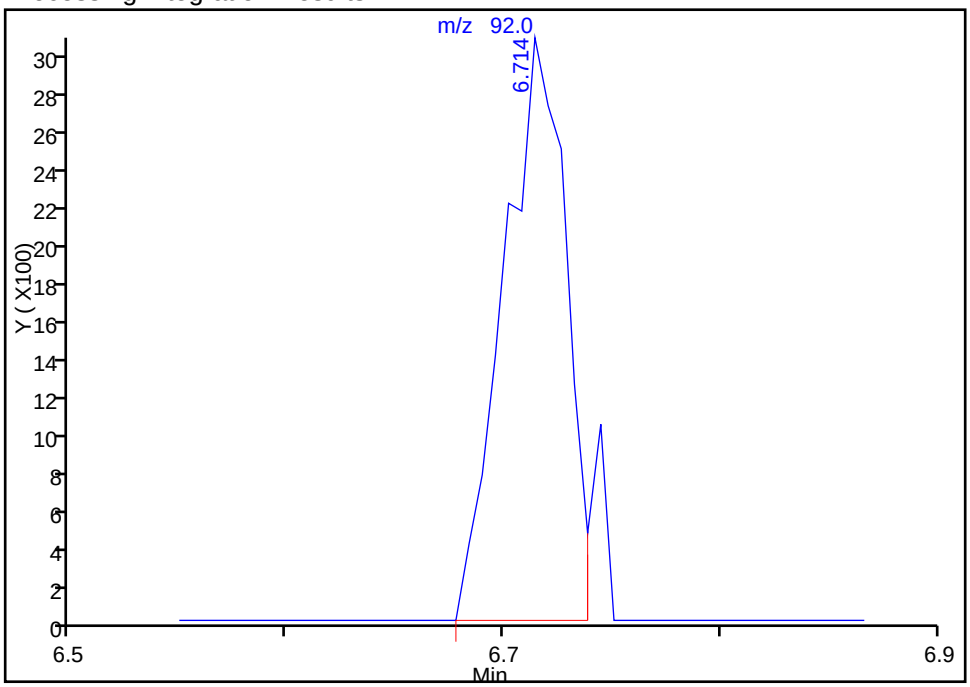
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7191.D				
Injection Date:	14-Jun-2016 06:12:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-31-B	Lab Sample ID:	480-101258-31		
Client ID:	B101-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Signal: 1

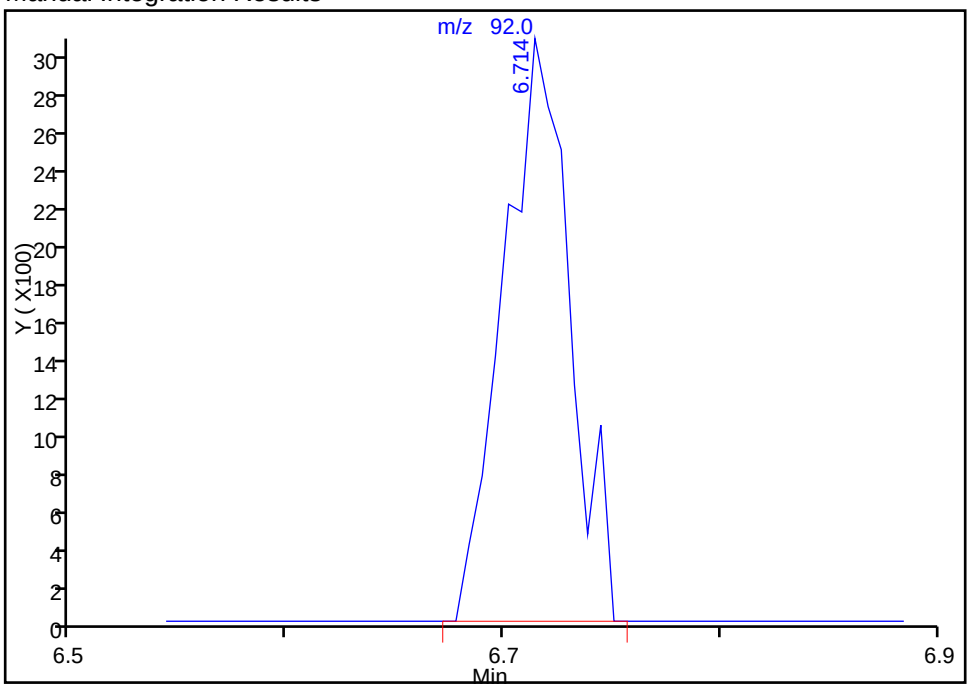
Processing Integration Results

RT: 6.71
Area: 6127
Amount: 1.437270
Amount Units: ug/kg



Manual Integration Results

RT: 6.71
Area: 6501
Amount: 1.525003
Amount Units: ug/kg



Reviewer: cwiklinc, 14-Jun-2016 10:09:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B101-AREA2-S2 | Lab Sample ID: 480-101258-32

Matrix: Solid | Lab File ID: F7192.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:30

Sample wt/vol: 5.11(g) | Date Analyzed: 06/14/2016 06:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.3	0.68
75-34-3	1,1-Dichloroethane	ND		5.3	0.64
75-35-4	1,1-Dichloroethene	ND		5.3	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.41
107-06-2	1,2-Dichloroethane	ND		5.3	0.26
78-87-5	1,2-Dichloropropane	ND		5.3	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	16	J	26	4.4
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND	*	5.3	2.6
74-83-9	Bromomethane	ND		5.3	0.47
75-15-0	Carbon disulfide	ND		5.3	2.6
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND	*	5.3	0.69
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.76
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND	*	5.3	0.67
75-71-8	Dichlorodifluoromethane	ND		5.3	0.43
100-41-4	Ethylbenzene	ND	*	5.3	0.36
98-82-8	Isopropylbenzene	ND	*	5.3	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B101-AREA2-S2 | Lab Sample ID: 480-101258-32

Matrix: Solid | Lab File ID: F7192.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:30

Sample wt/vol: 5.11(g) | Date Analyzed: 06/14/2016 06:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.80
75-09-2	Methylene Chloride	57		5.3	2.4
100-42-5	Styrene	ND	*	5.3	0.26
127-18-4	Tetrachloroethene	ND	*	5.3	0.71
108-88-3	Toluene	ND	*	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.3	2.3
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.64
1330-20-7	Xylenes, Total	ND		11	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		64-126
460-00-4	4-Bromofluorobenzene (Surr)	46	X *	72-126
2037-26-5	Toluene-d8 (Surr)	142	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7192.D
Lims ID: 480-101258-A-32-B
Client ID: B101-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 06:38:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-32-B
Misc. Info.: 480-0054007-020
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:09:19 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:09:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	112736	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	111872	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	43513	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	94456	58.0	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	94	342280	70.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	84	35958	23.1	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.113	3.101	0.012	98	18021	15.4	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	89	181560	54.5	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	75	2210	0.6315	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

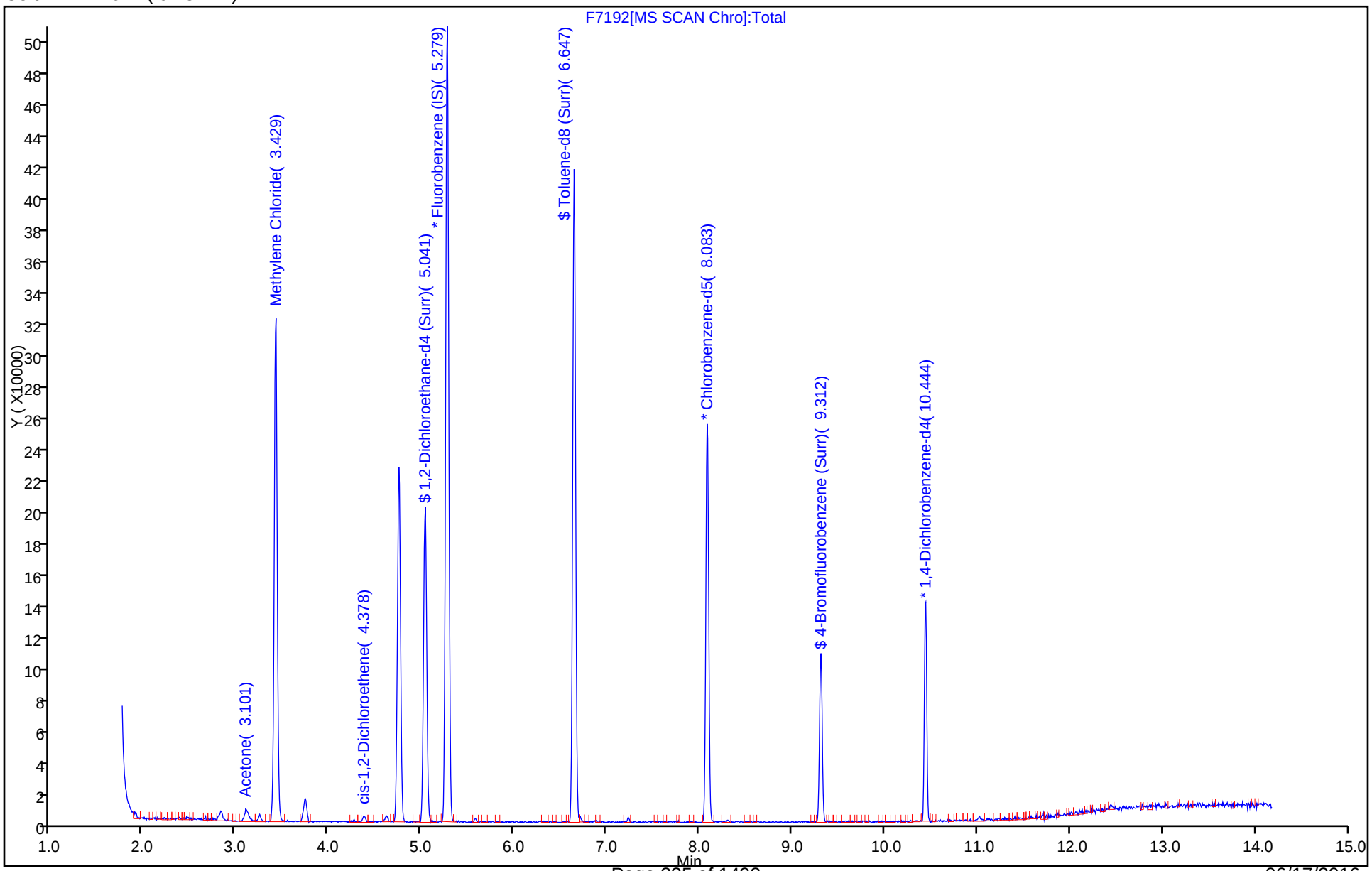
Report Date: 14-Jun-2016 10:09:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7192.D

Injection Date:	14-Jun-2016 06:38:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-32-B	Lab Sample ID:	480-101258-32	Worklist Smp#:	20
Client ID:	B101-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7192.D
Lims ID: 480-101258-A-32-B
Client ID: B101-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 06:38:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-32-B
Misc. Info.: 480-0054007-020
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:09:19 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:09:55

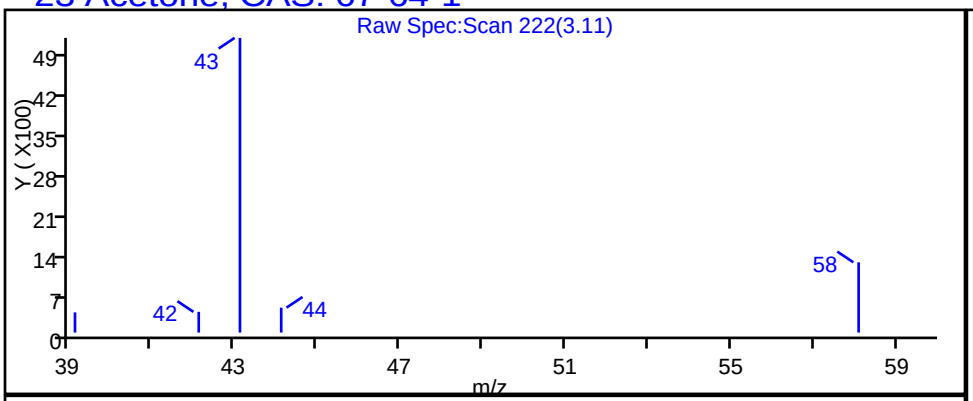
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	58.0	116.01
$ 5 Toluene-d8 (Surr)	50.0	70.8	141.54
$ 6 4-Bromofluorobenzene (Surr)	50.0	23.1	46.20

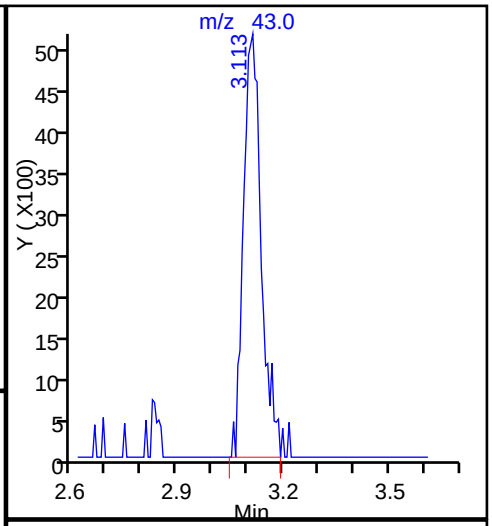
TestAmerica Buffalo

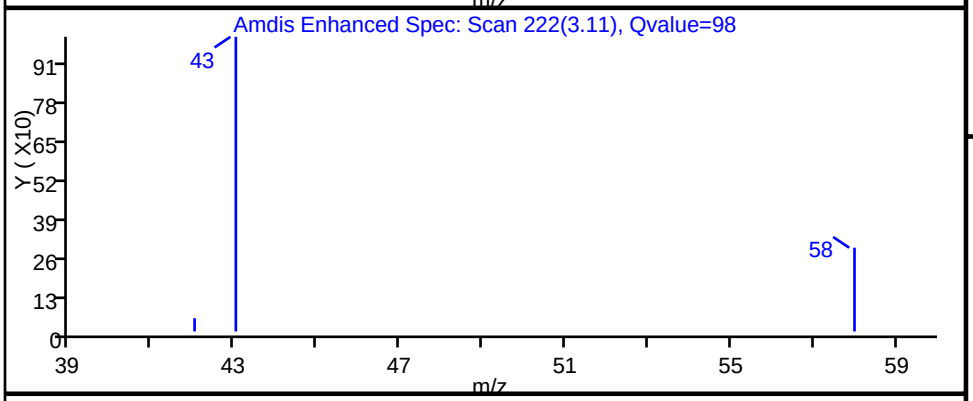
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7192.D

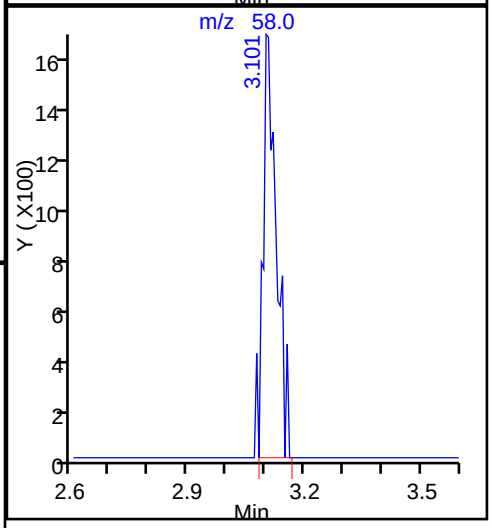
Injection Date:	14-Jun-2016 06:38:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-32-B	Lab Sample ID:	480-101258-32
Client ID:	B101-AREA2-S2		
Operator ID:	NMD	ALS Bottle#:	20 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

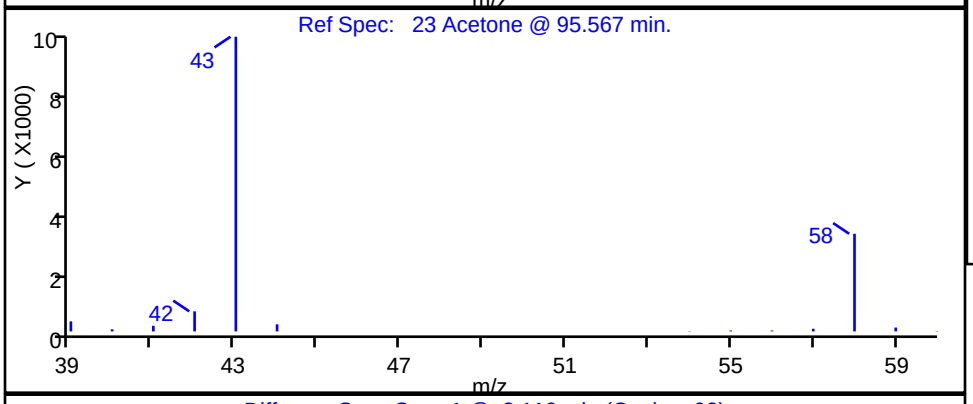
23 Acetone, CAS: 67-64-1

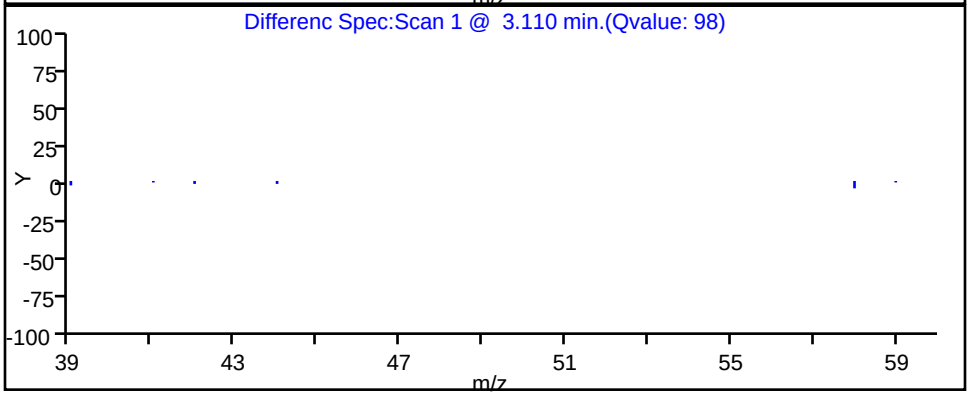








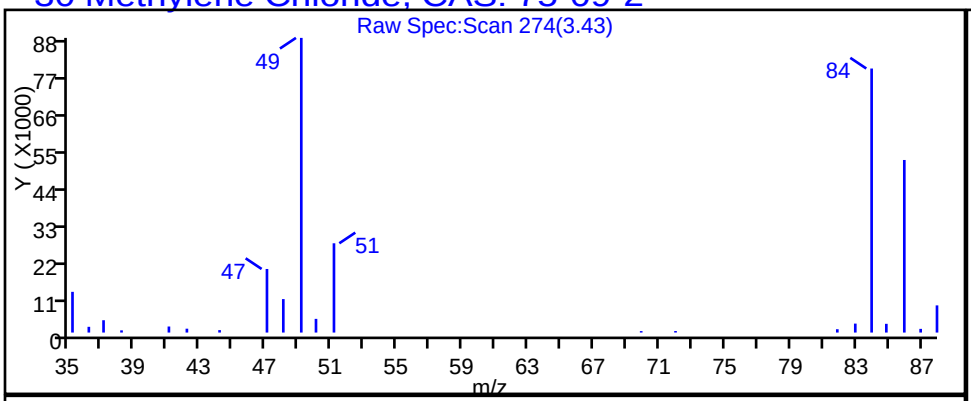


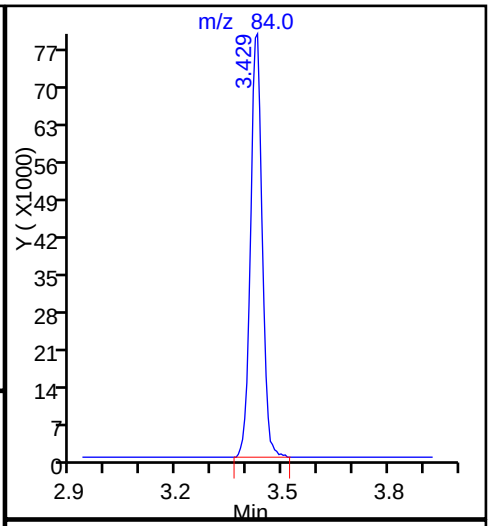


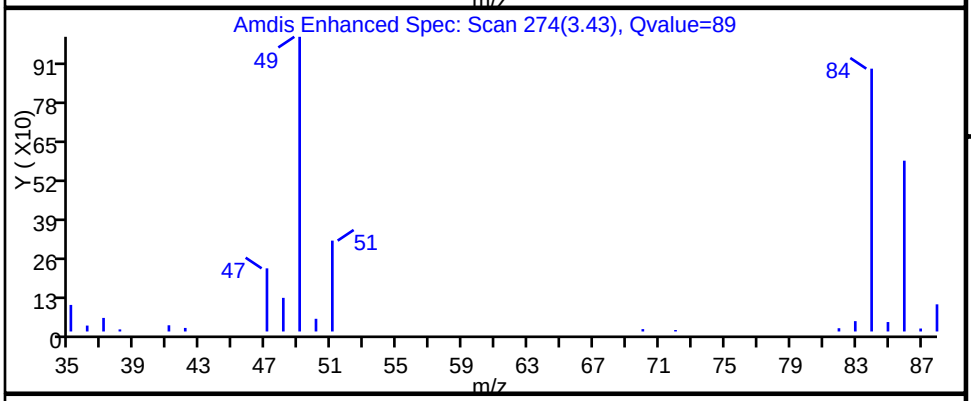
TestAmerica Buffalo

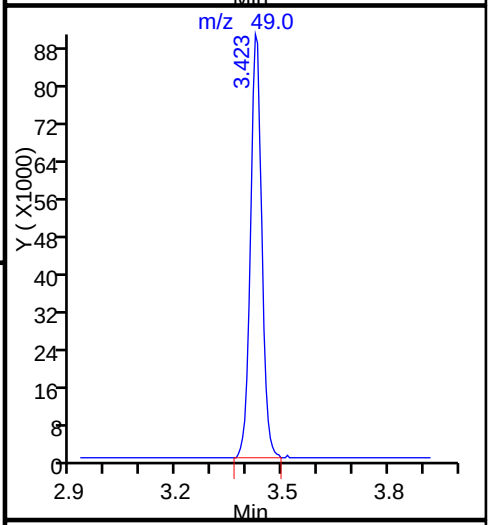
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7192.D				
Injection Date:	14-Jun-2016 06:38:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-32-B	Lab Sample ID:	480-101258-32		
Client ID:	B101-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

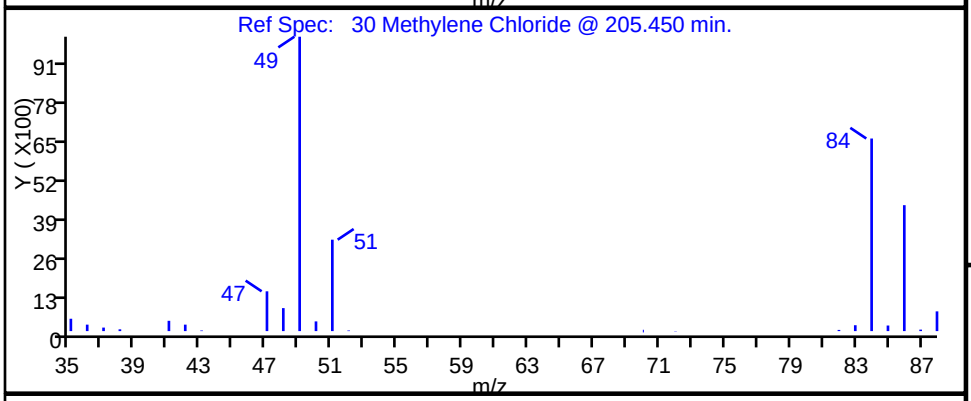
30 Methylene Chloride, CAS: 75-09-2

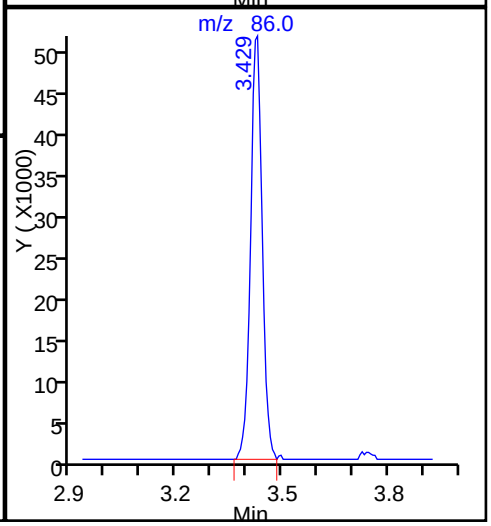


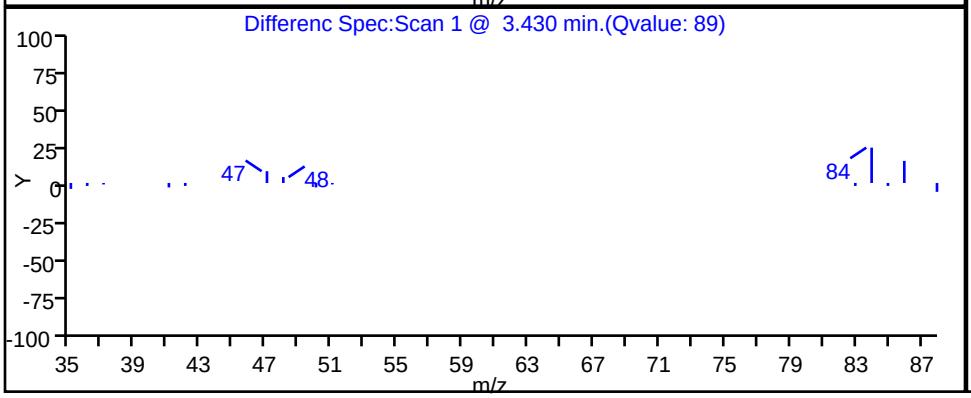












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B102-AREA2-S1 | Lab Sample ID: 480-101258-33

Matrix: Solid | Lab File ID: F7193.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:45

Sample wt/vol: 5.06(g) | Date Analyzed: 06/14/2016 07:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.8 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	73		5.4	0.65
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	0.43	J	5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	16	J	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	5.5		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	250	E	5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	130		5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B102-AREA2-S1 | Lab Sample ID: 480-101258-33

Matrix: Solid | Lab File ID: F7193.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:45

Sample wt/vol: 5.06(g) | Date Analyzed: 06/14/2016 07:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.8 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.81
75-09-2	Methylene Chloride	9.8		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	3200	E	5.4	0.72
108-88-3	Toluene	480	E	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	2.1	J	5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	1300	E	5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.65
1330-20-7	Xylenes, Total	390		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	58	X	72-126
2037-26-5	Toluene-d8 (Surr)	106		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D
Lims ID: 480-101258-A-33-B
Client ID: B102-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 07:04:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-33-B
Misc. Info.: 480-0054007-021
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:11:32 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:11:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	165114	50.0	
* 2 Chlorobenzene-d5	82	8.089	8.083	0.006	89	290833	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	89549	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	126091	52.9	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	664996	52.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	84	116628	28.8	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.107	3.101	0.006	97	25224	14.5	
26 Carbon disulfide	76	3.253	3.253	0.000	99	76010	5.12	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	88	59863	9.16	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	96	9124	1.94	
39 1,1-Dichloroethane	63	3.940	3.934	0.006	97	543441	68.1	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	82	1188788	231.9	E
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	1	2717	0.4048	
62 Trichloroethene	95	5.583	5.583	0.000	91	5945483	1210.5	E
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.714	6.714	0.000	93	4509174	447.2	E
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166	7.244	7.232	0.012	81	12925181	2959.9	E
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91	8.180	8.181	-0.001	99	2230515	118.5	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	98	2179144	297.2	E
91 o-Xylene	106	8.722	8.728	-0.006	98	486060	68.6	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1				0		365.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

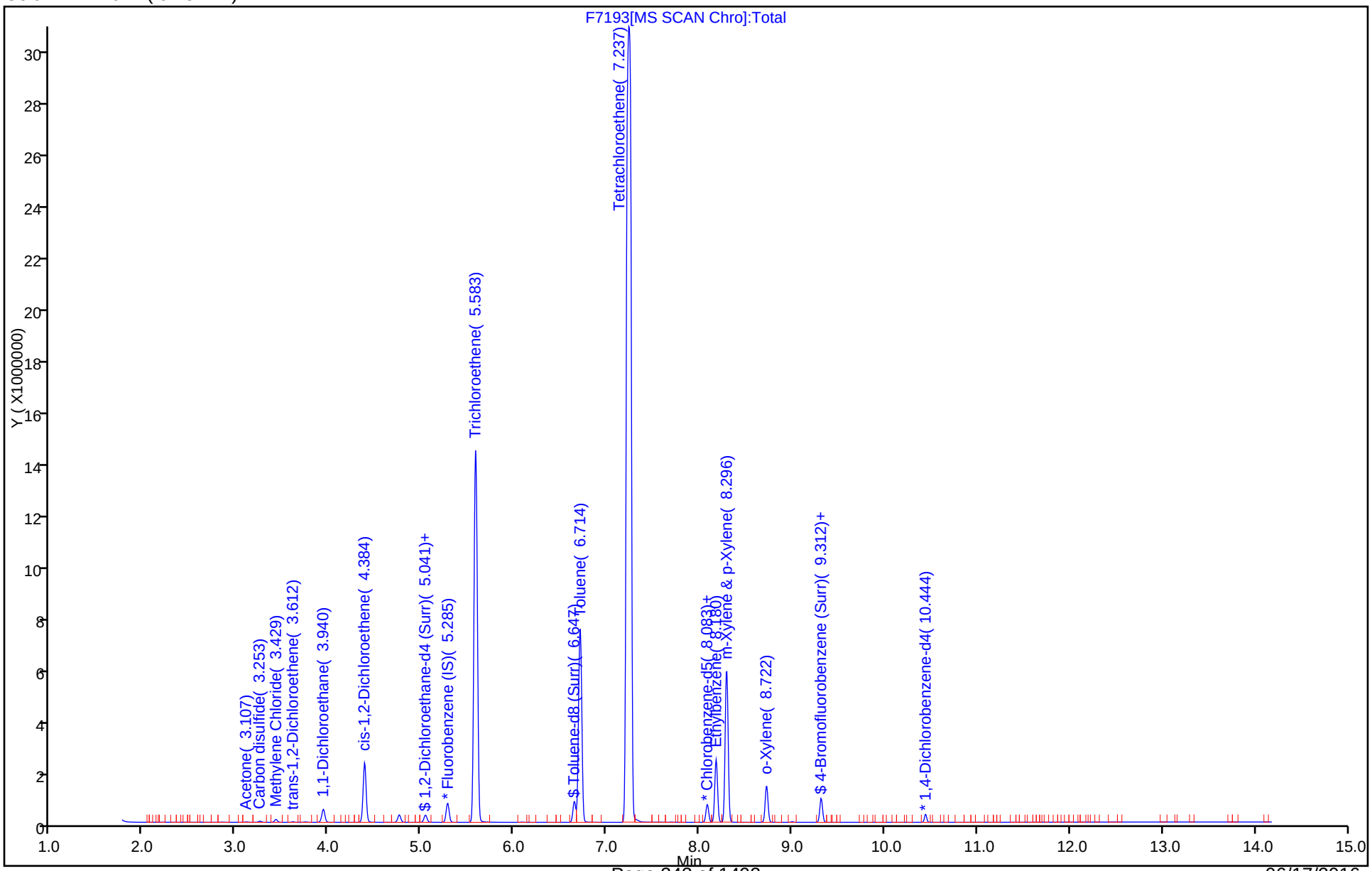
Report Date: 14-Jun-2016 10:11:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33	Worklist Smp#:	21
Client ID:	B102-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D				
Lims ID:	480-101258-A-33-B				
Client ID:	B102-AREA2-S1				
Sample Type:	Client				
Inject. Date:	14-Jun-2016 07:04:30	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101258-A-33-B				
Misc. Info.:	480-0054007-021				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 10:11:32	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:11:32

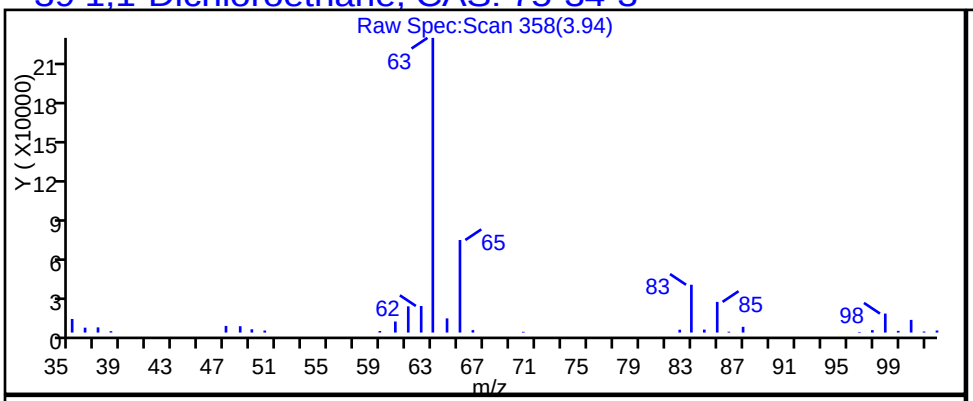
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.9	105.74
$ 5 Toluene-d8 (Surr)	50.0	52.9	105.78
$ 6 4-Bromofluorobenzene (Surr)	50.0	28.8	57.64

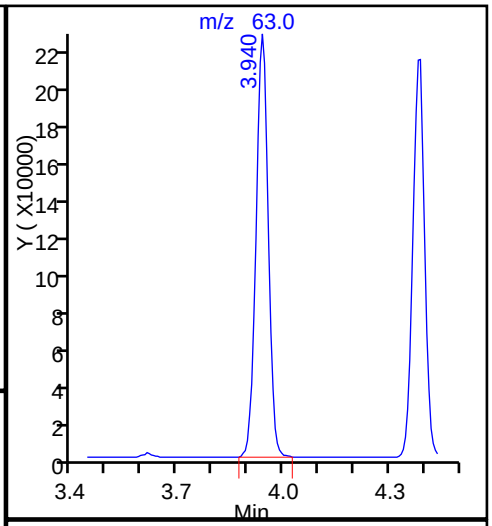
TestAmerica Buffalo

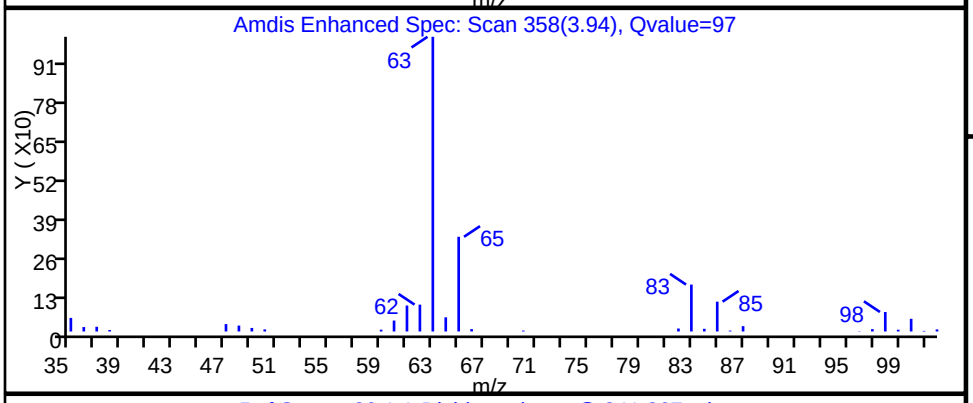
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

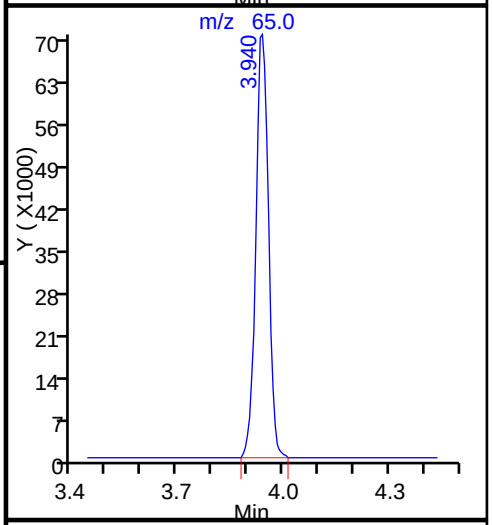
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

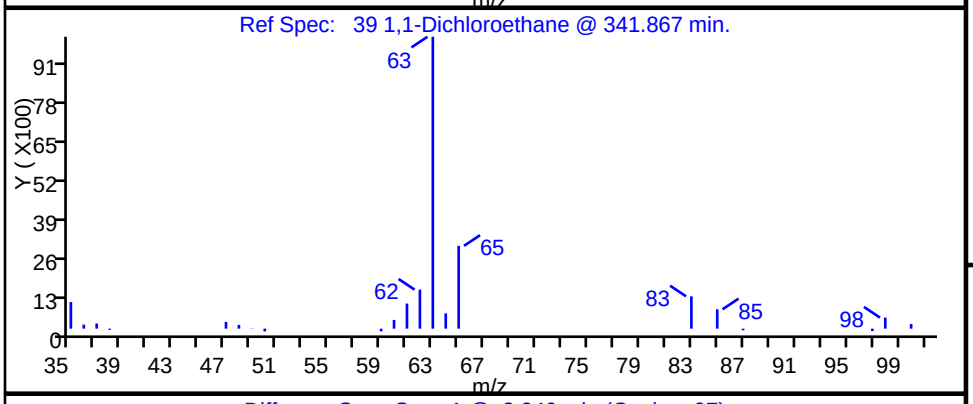
39 1,1-Dichloroethane, CAS: 75-34-3

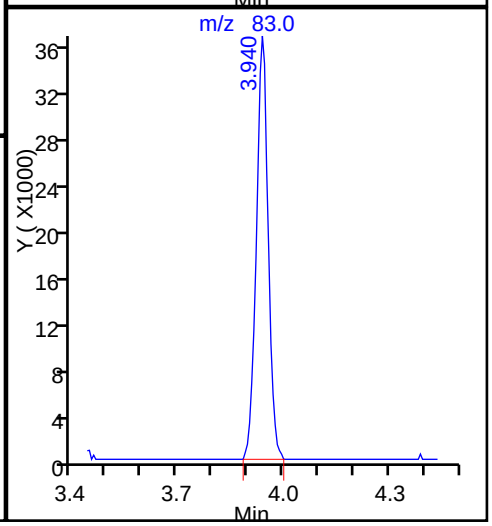


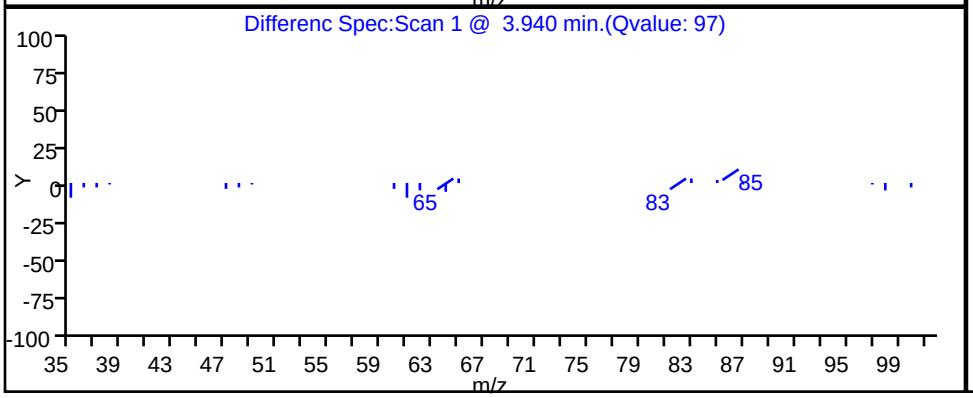










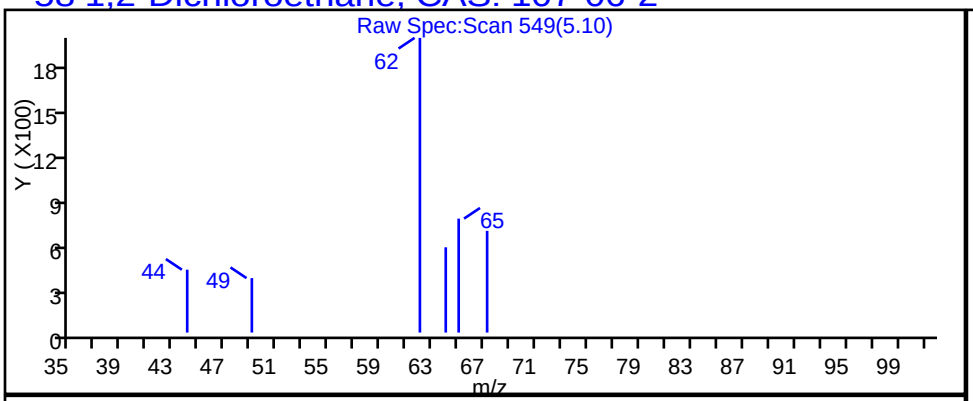


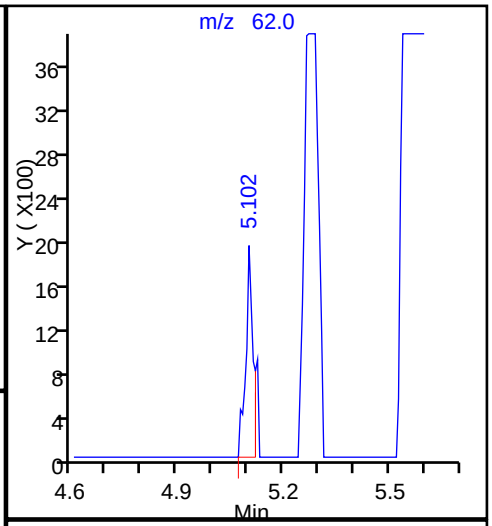
TestAmerica Buffalo

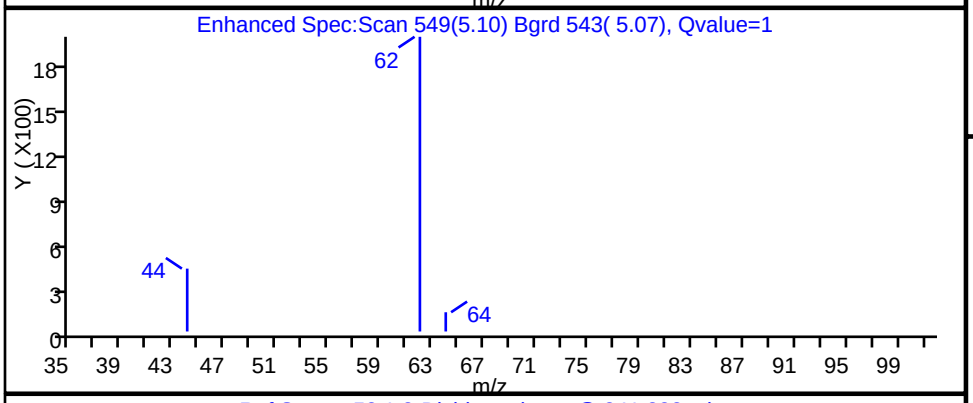
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

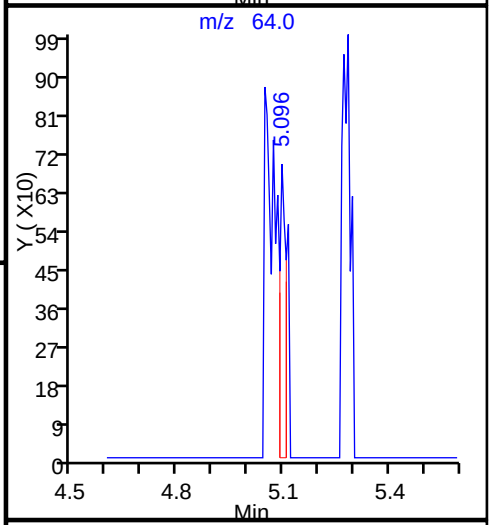
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

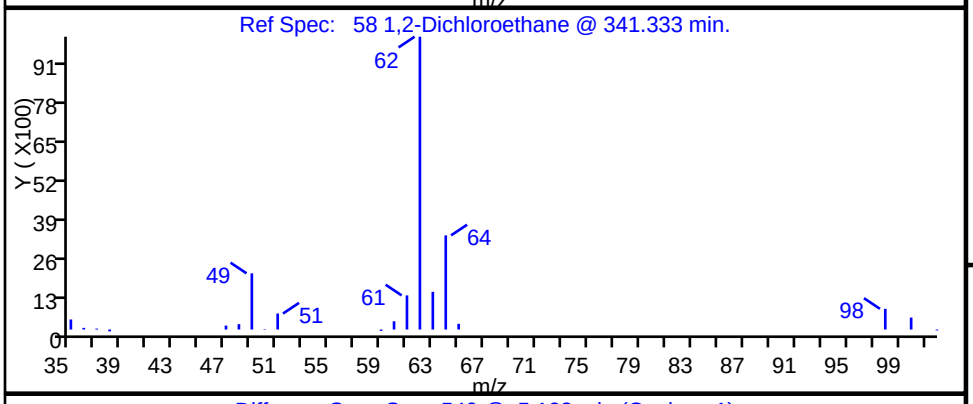
58 1,2-Dichloroethane, CAS: 107-06-2

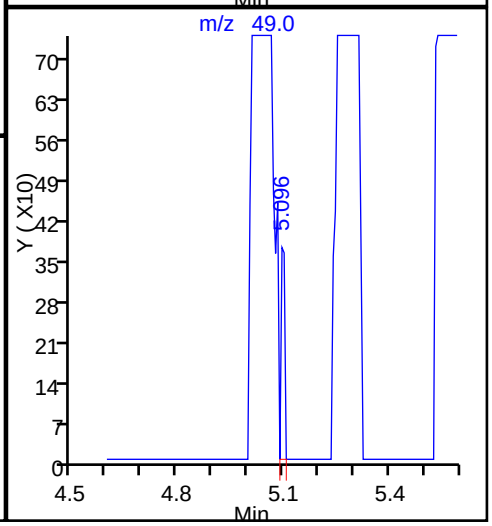


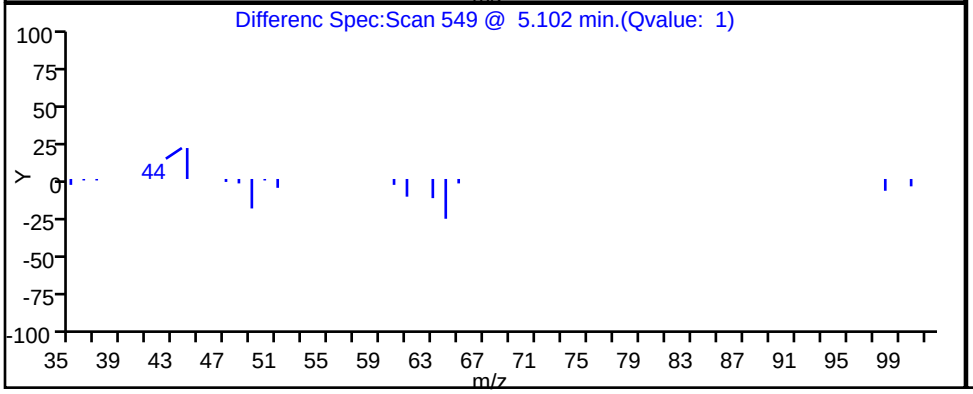












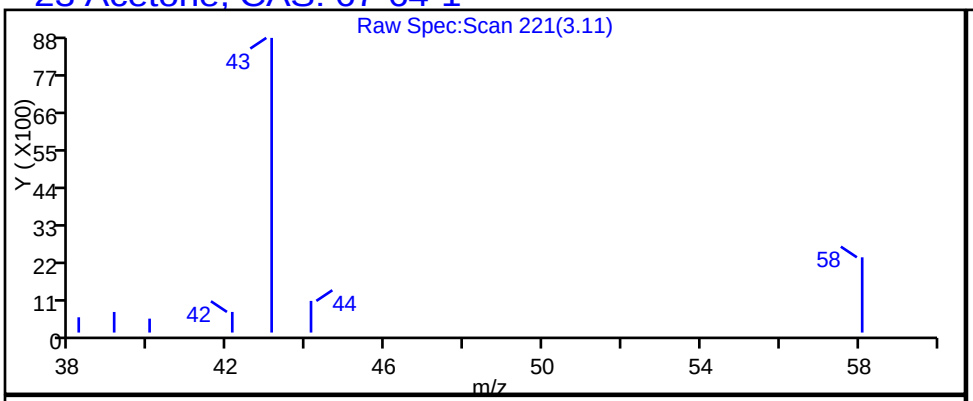
Report Date: 14-Jun-2016 10:11:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

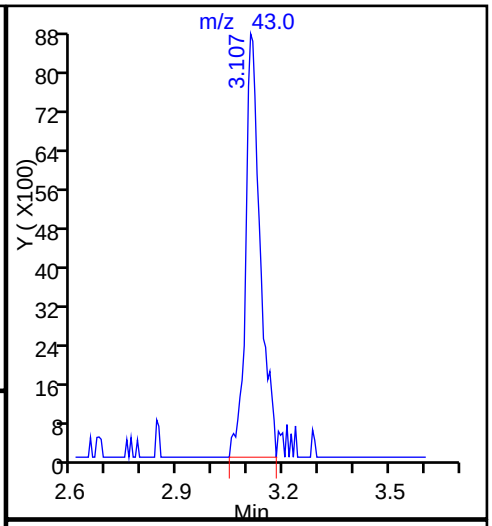
TestAmerica Buffalo

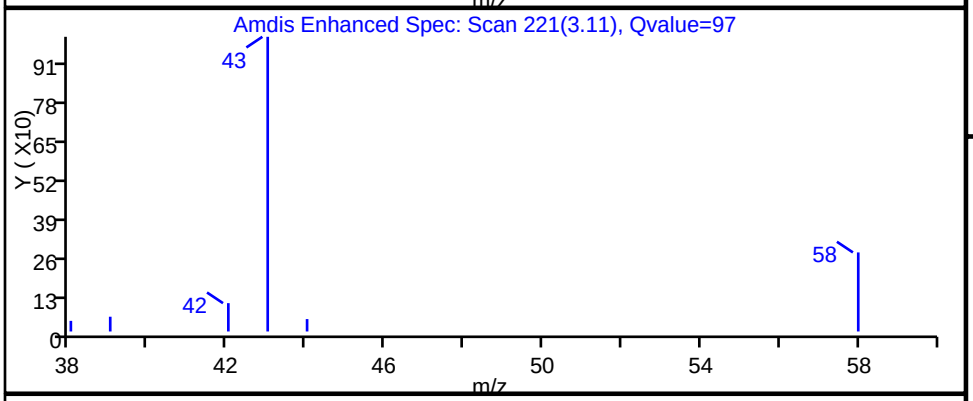
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

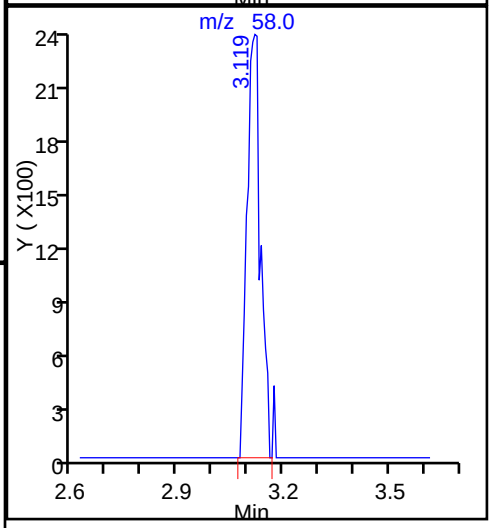
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

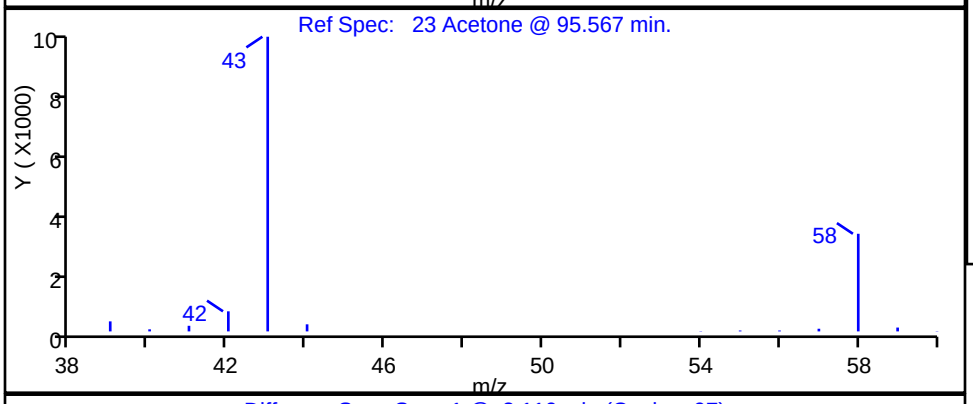
23 Acetone, CAS: 67-64-1

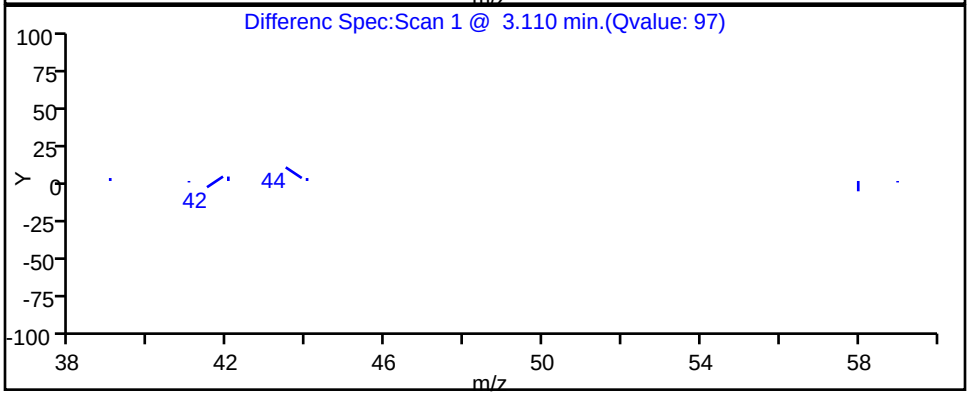










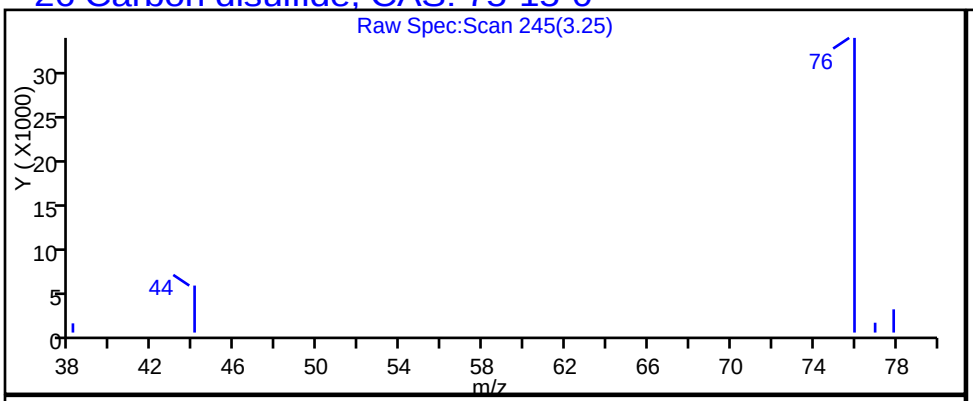


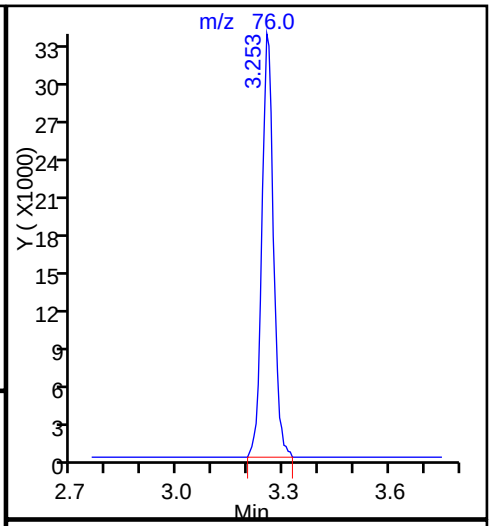
TestAmerica Buffalo

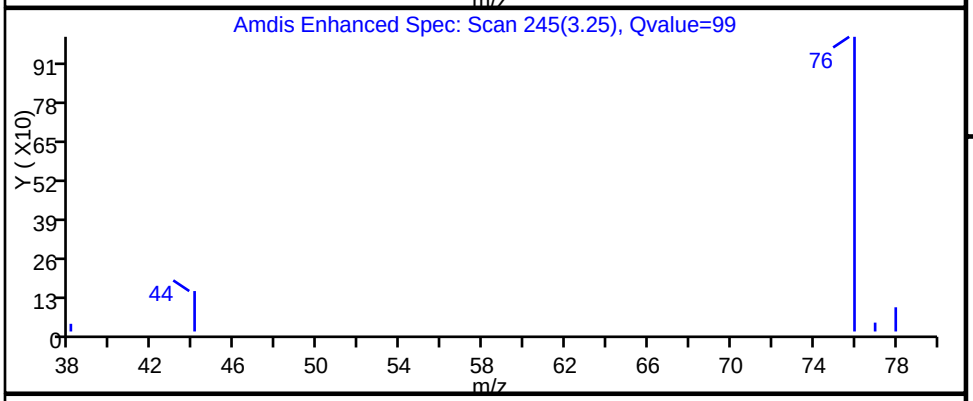
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

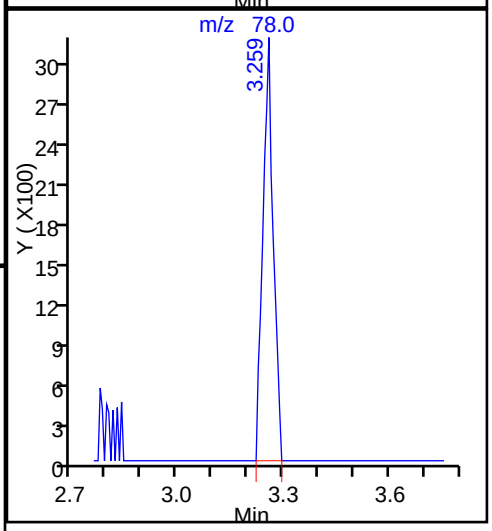
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

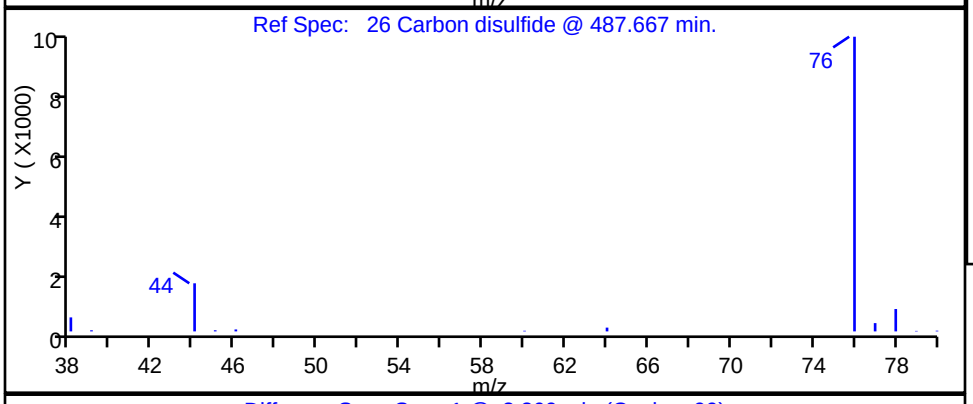
26 Carbon disulfide, CAS: 75-15-0

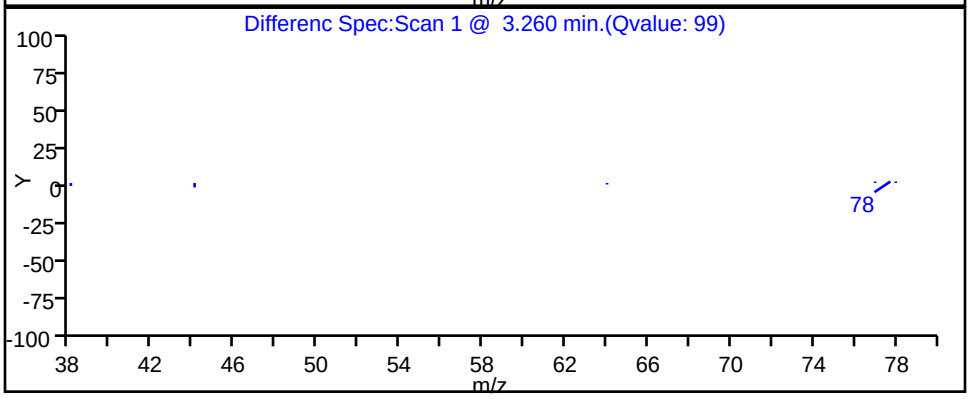












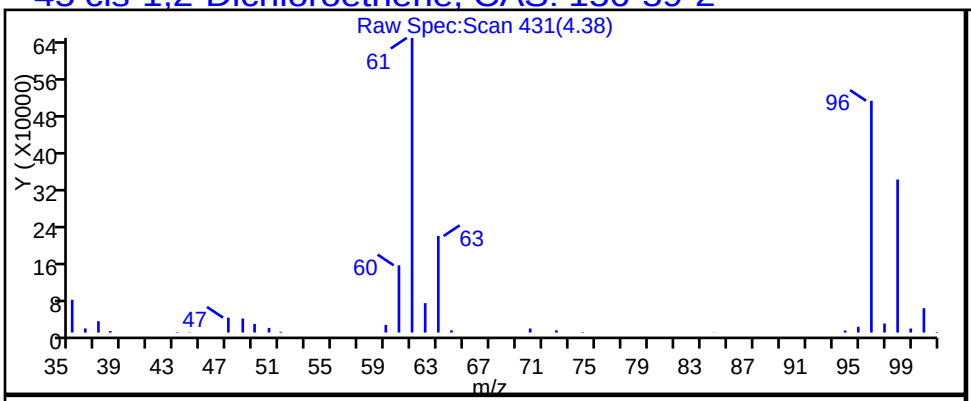
Report Date: 14-Jun-2016 10:11:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

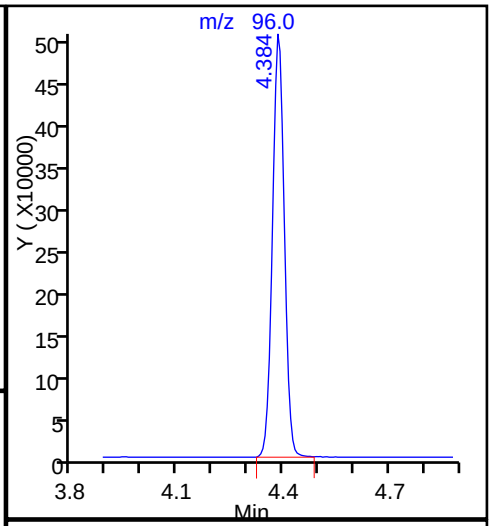
TestAmerica Buffalo

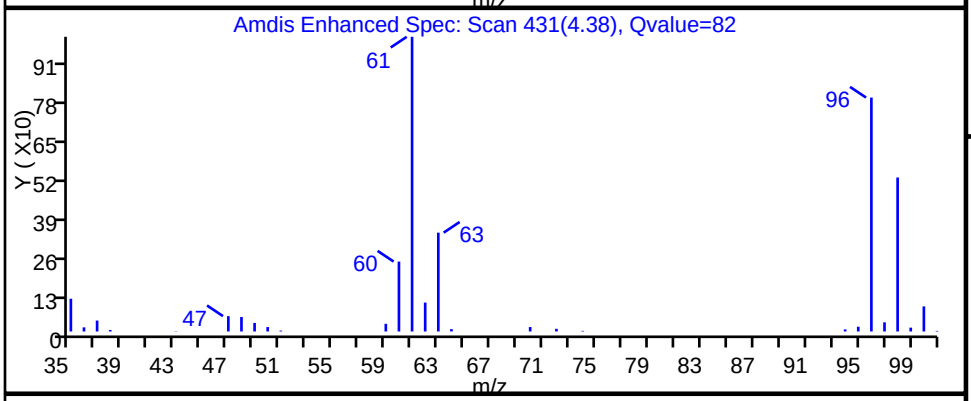
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

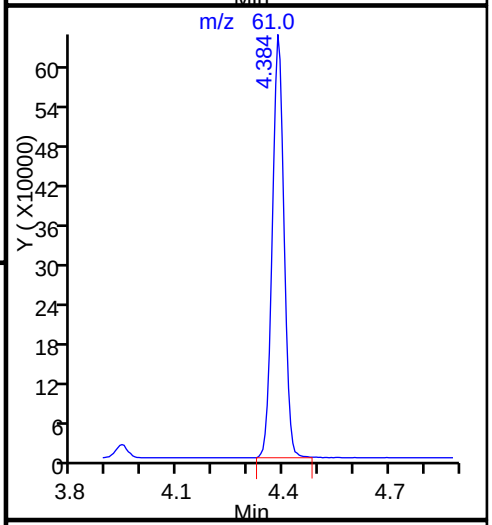
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

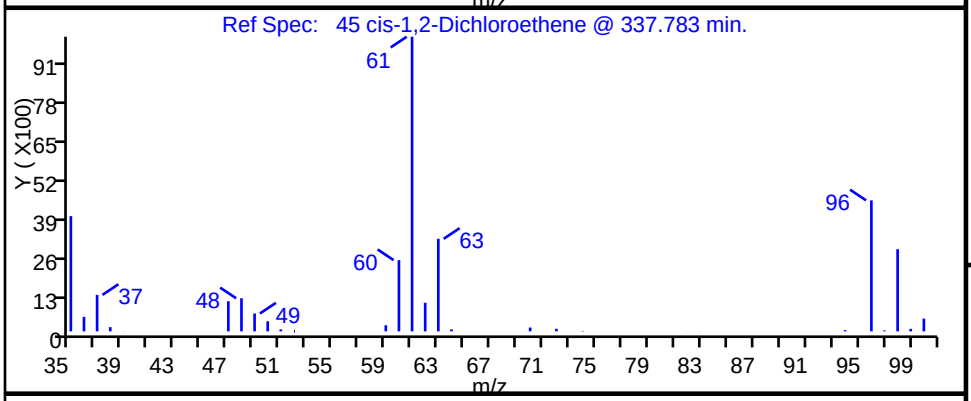
45 cis-1,2-Dichloroethene, CAS: 156-59-2

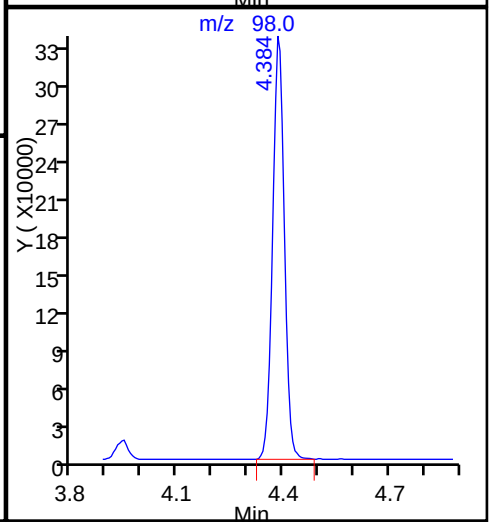


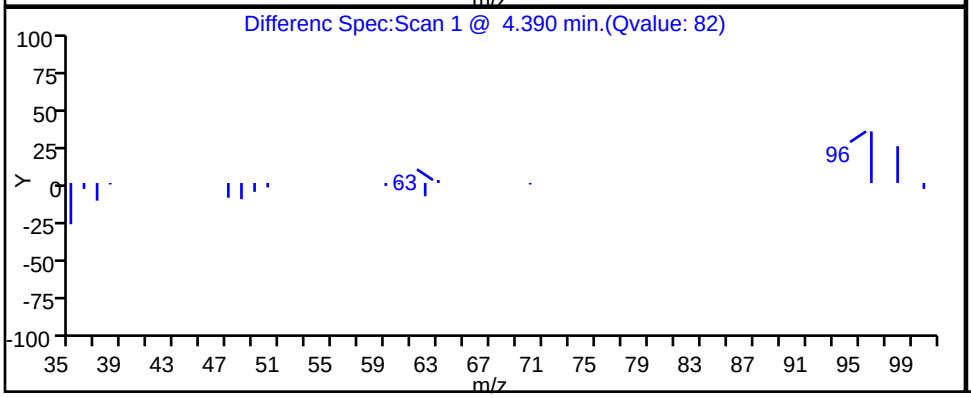












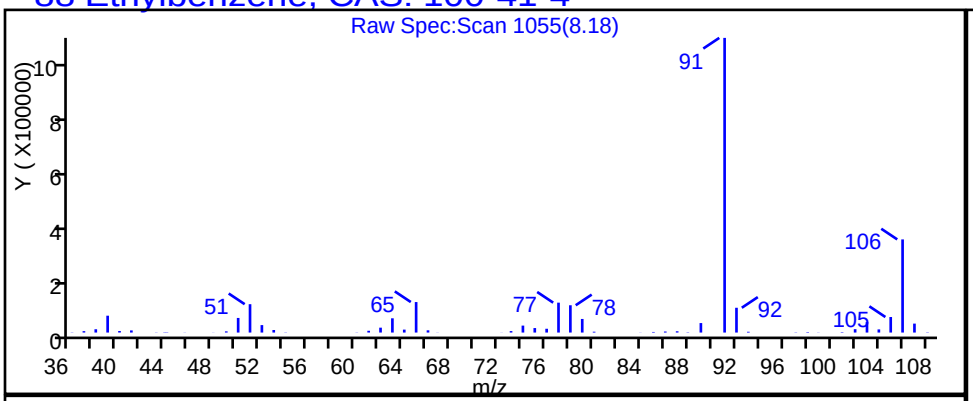
Report Date: 14-Jun-2016 10:11:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

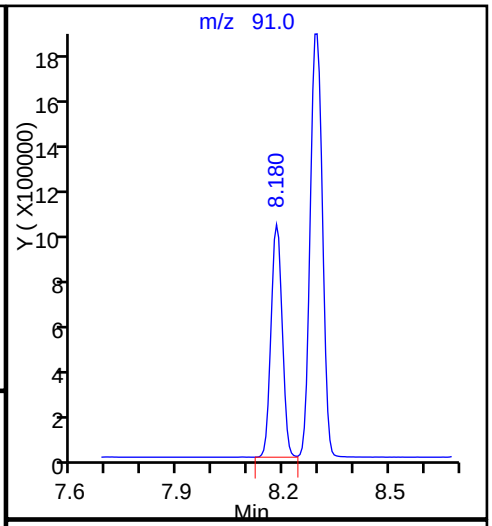
TestAmerica Buffalo

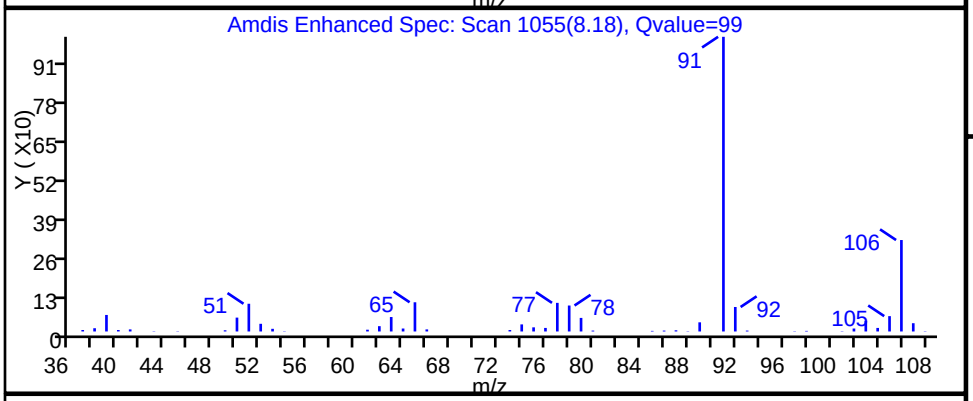
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

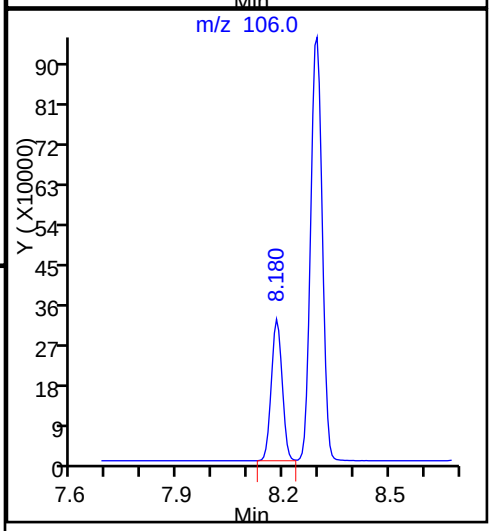
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

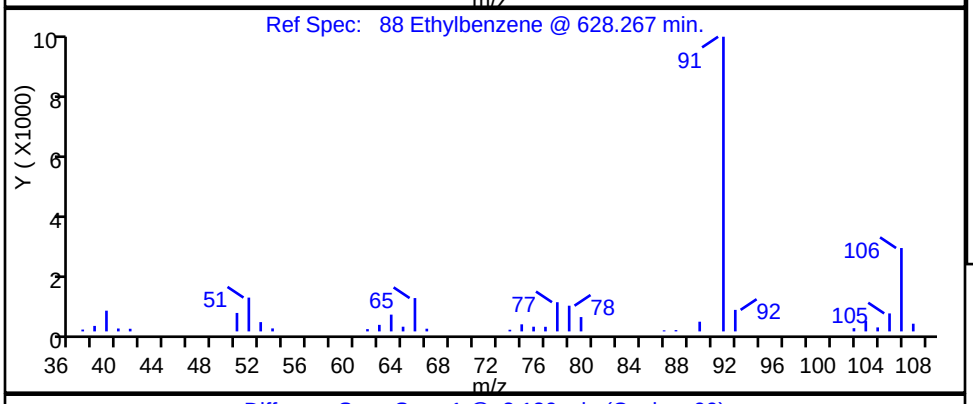
88 Ethylbenzene, CAS: 100-41-4

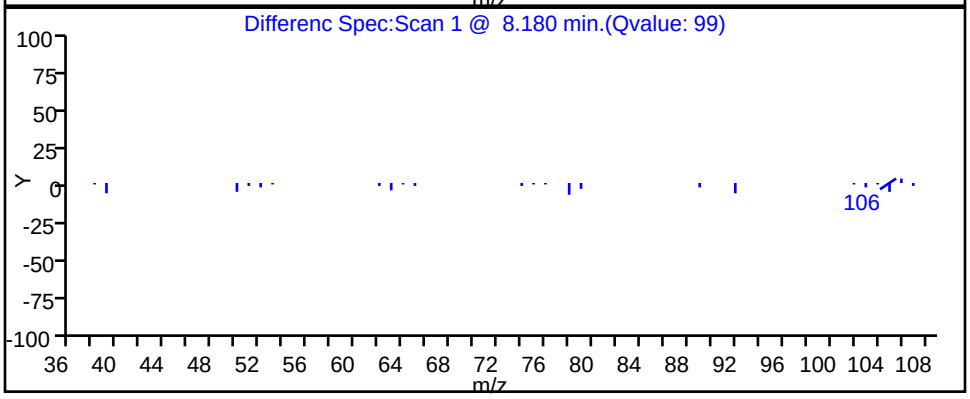












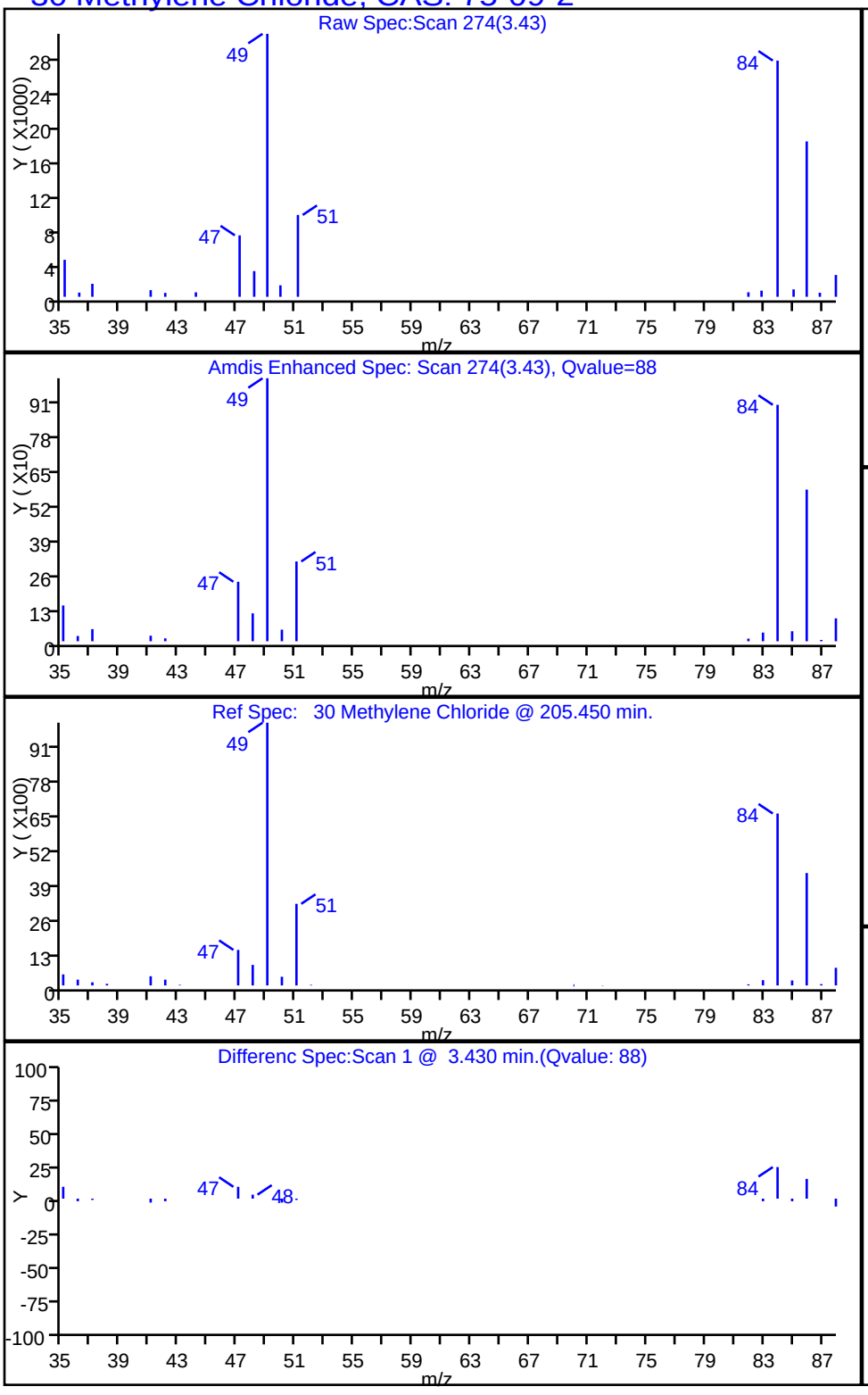
Report Date: 14-Jun-2016 10:11:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

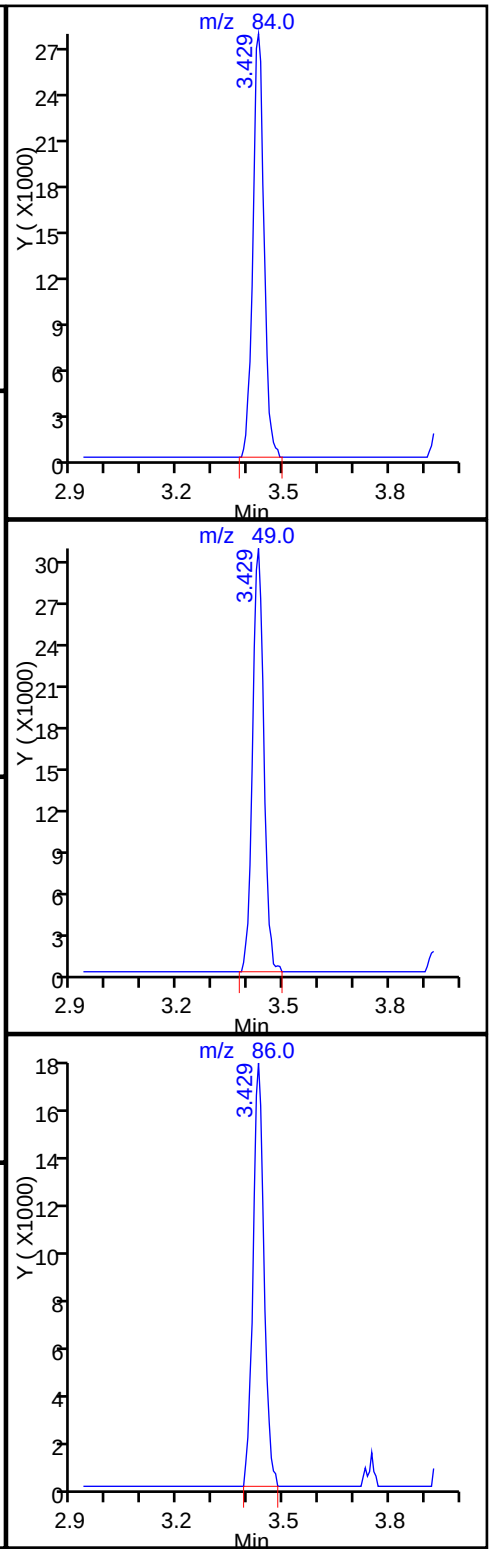
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2



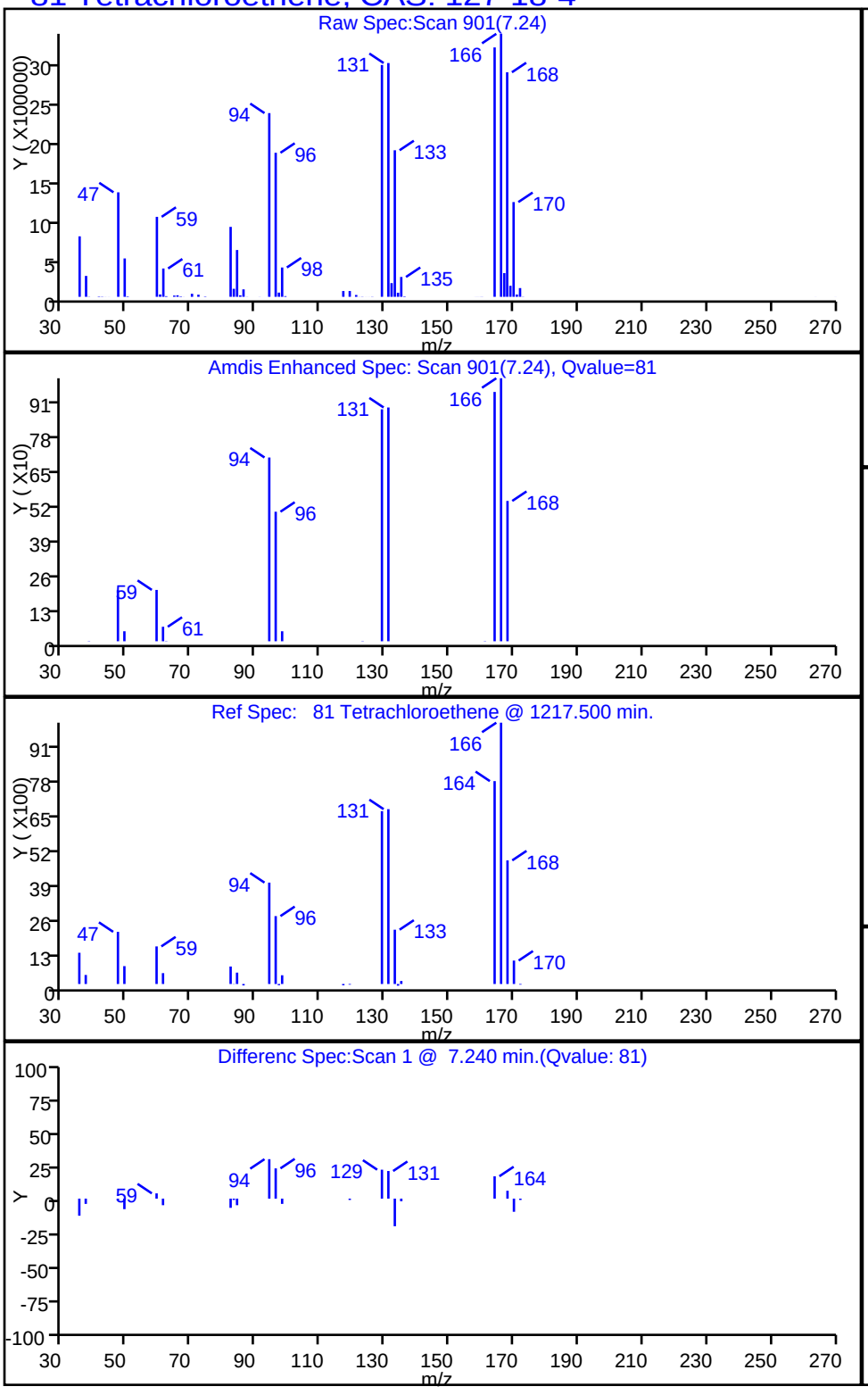


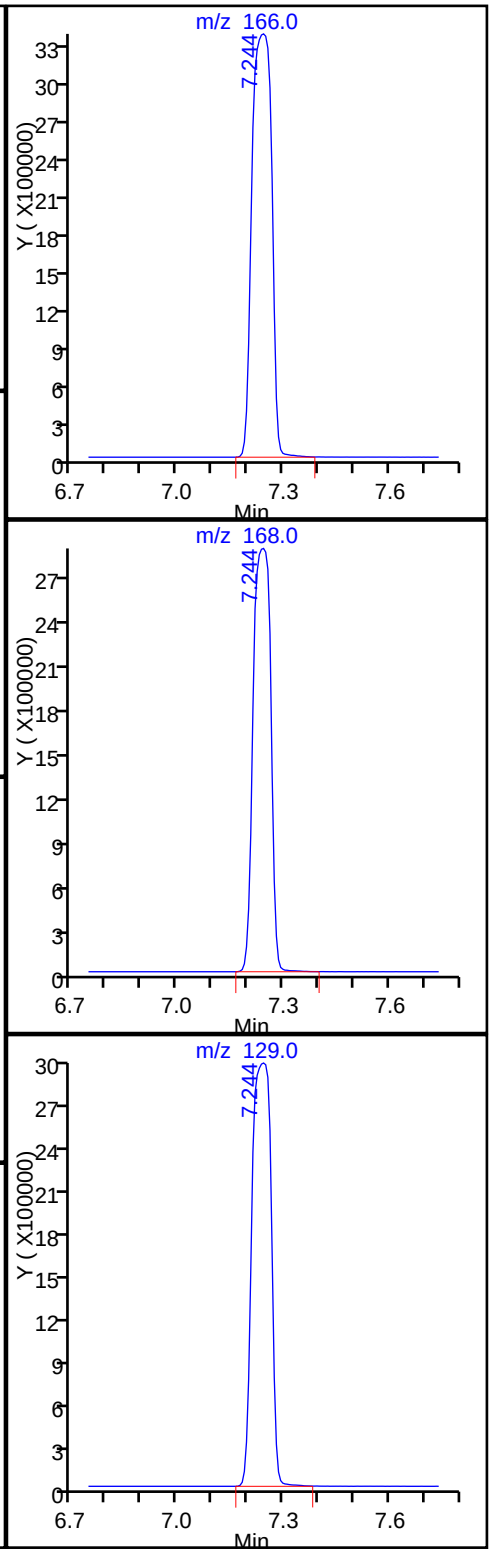
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4





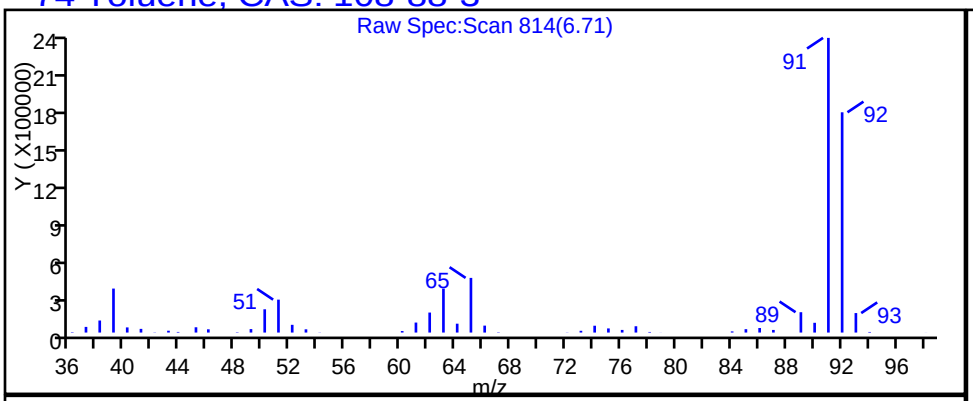
Report Date: 14-Jun-2016 10:11:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

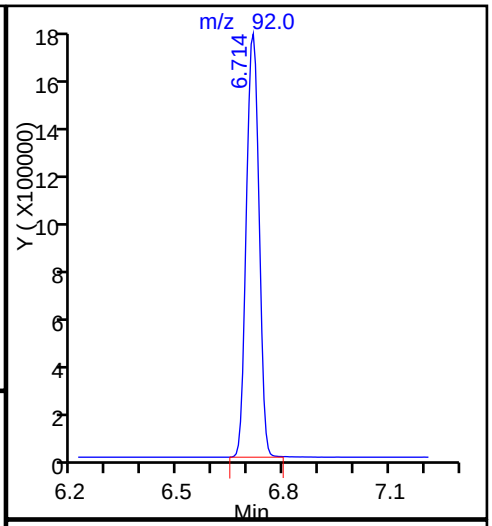
TestAmerica Buffalo

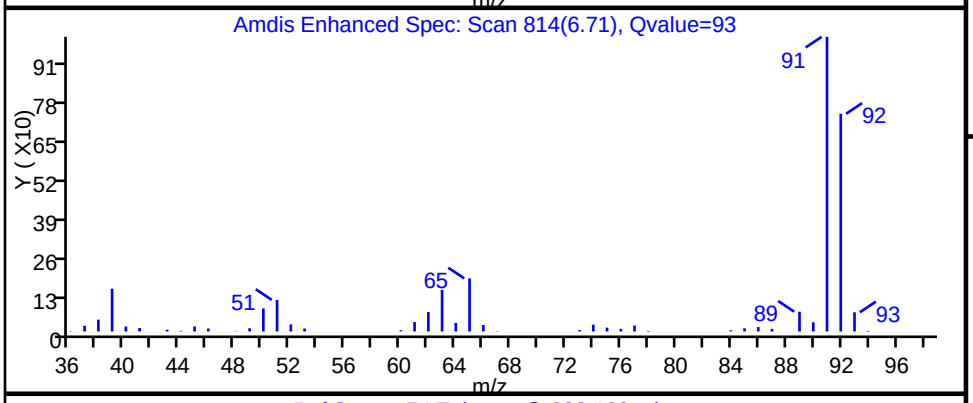
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

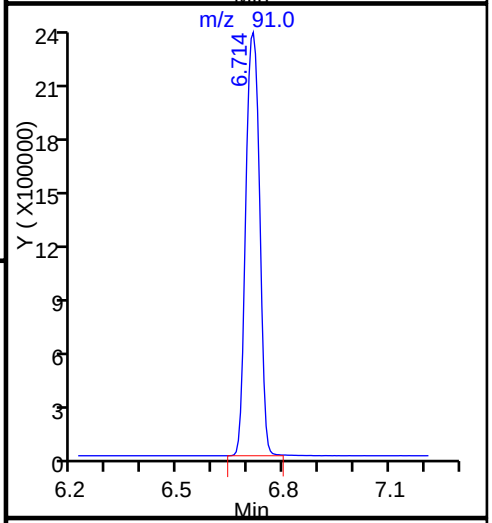
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

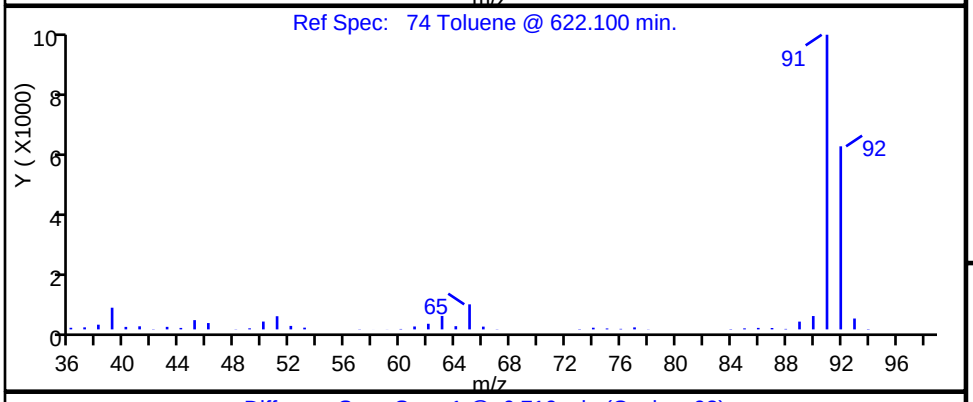
74 Toluene, CAS: 108-88-3

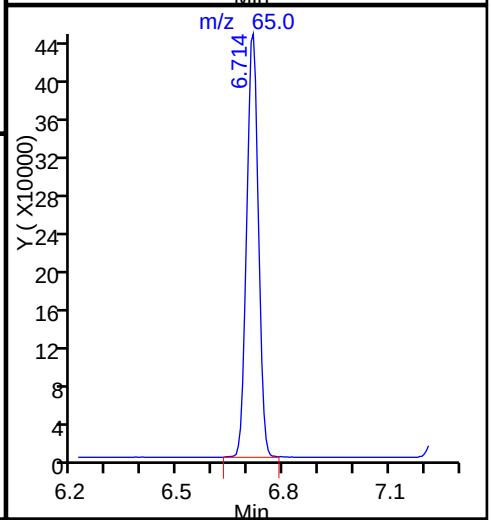


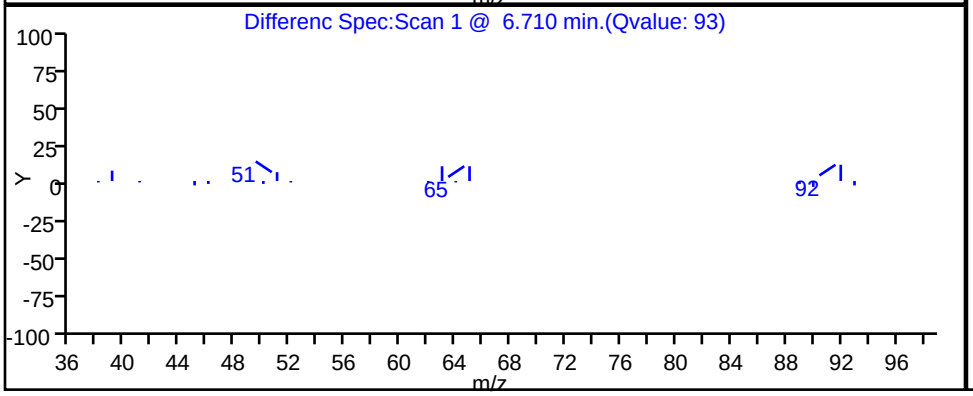








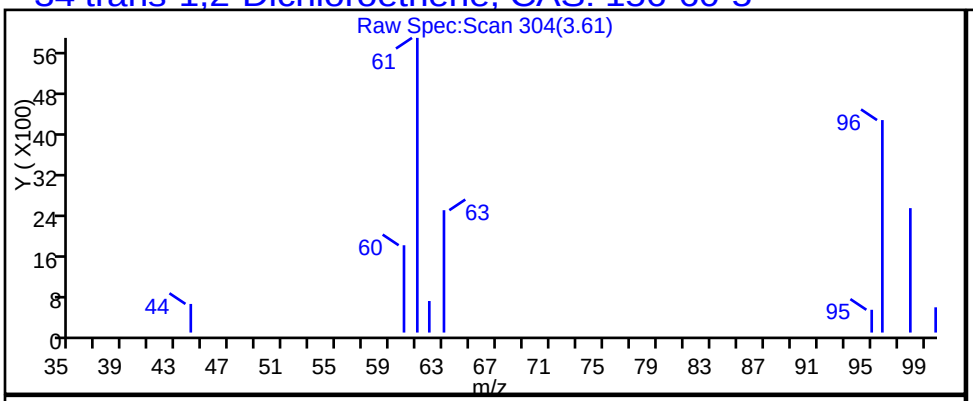


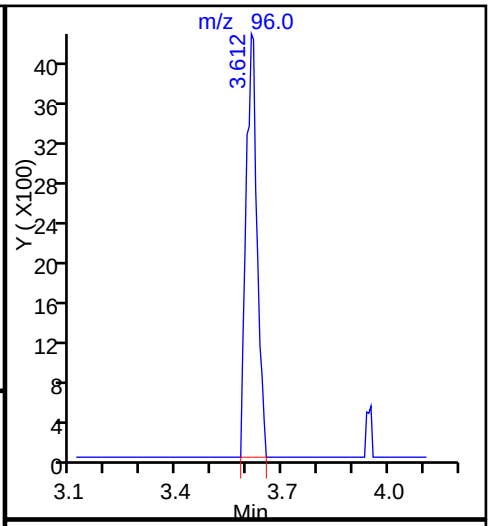


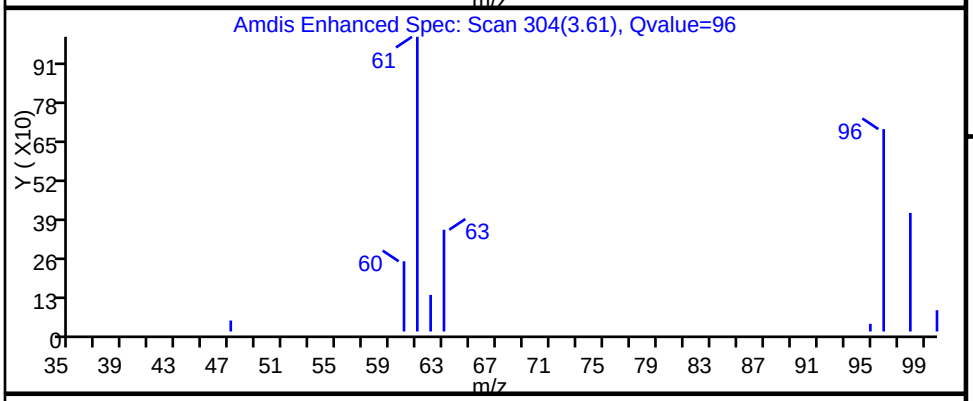
TestAmerica Buffalo

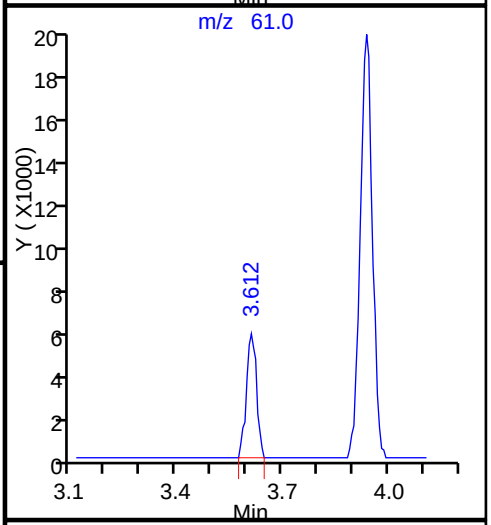
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D				
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

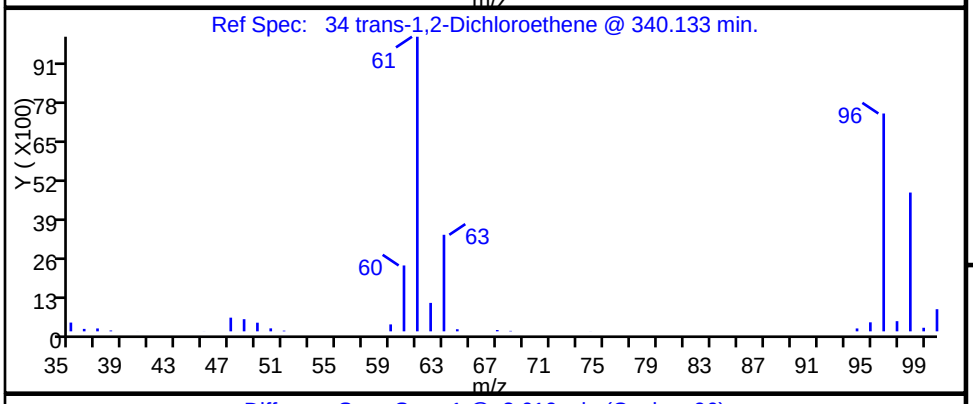
34 trans-1,2-Dichloroethene, CAS: 156-60-5

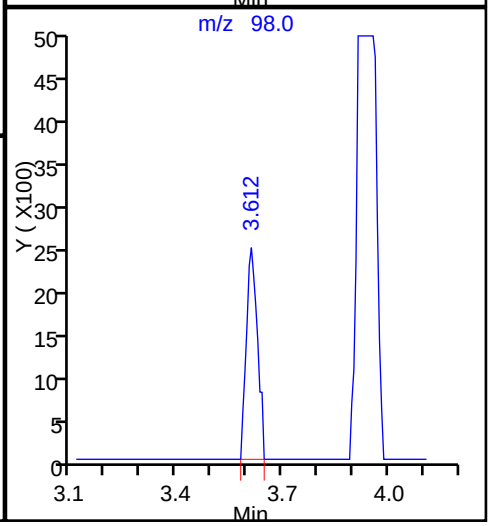


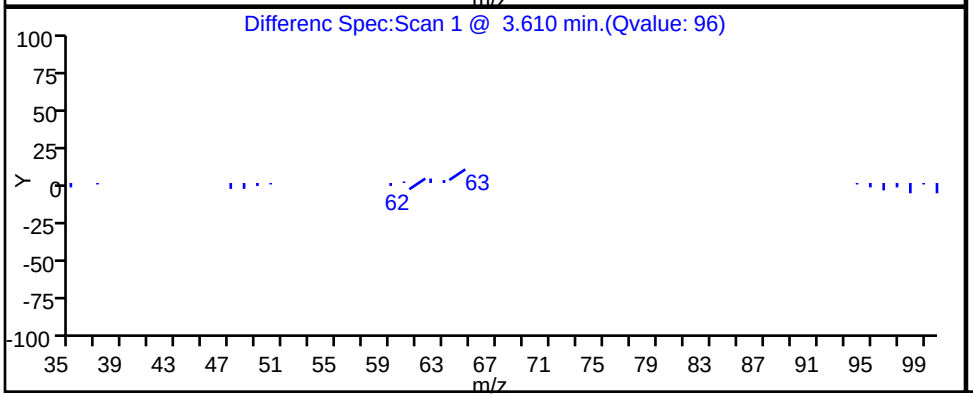












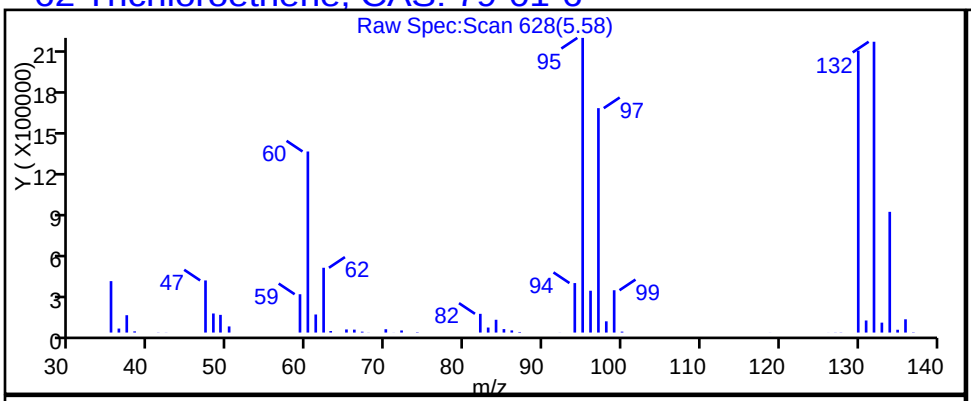
Report Date: 14-Jun-2016 10:11:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

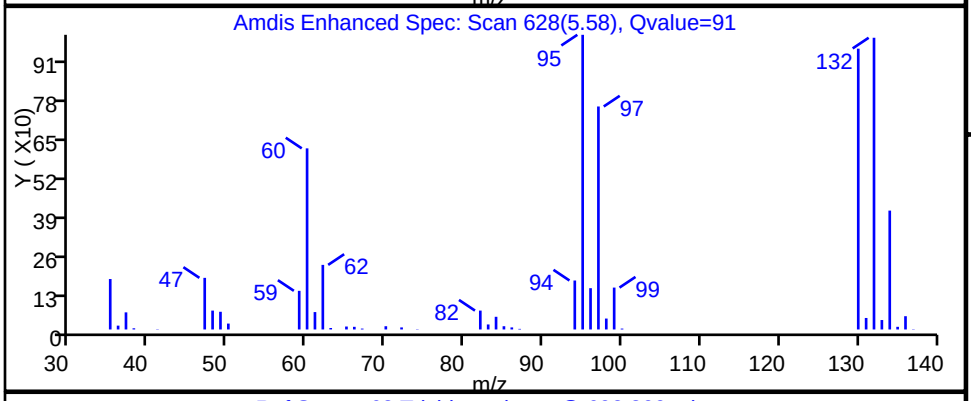
TestAmerica Buffalo

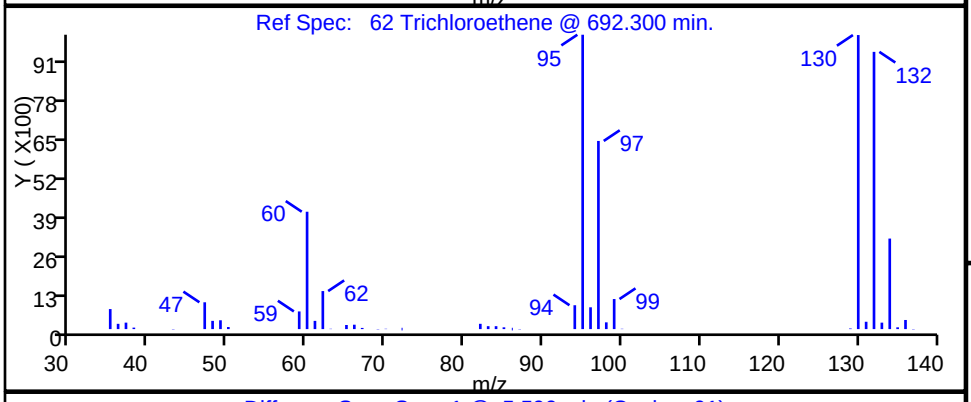
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

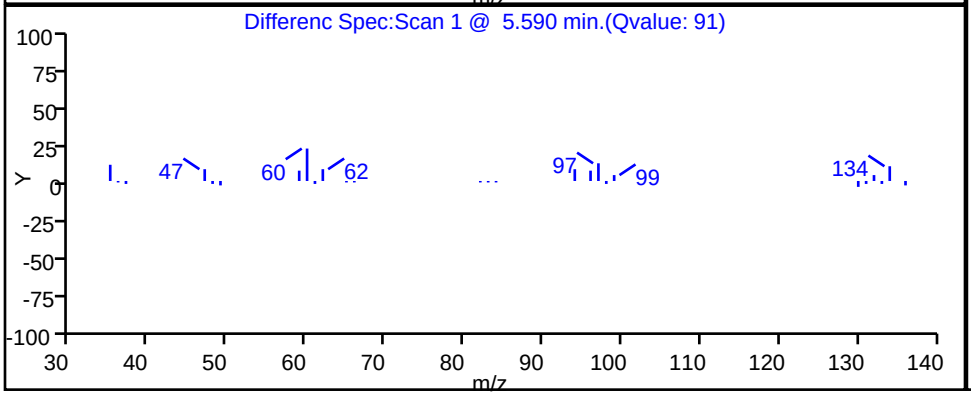
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

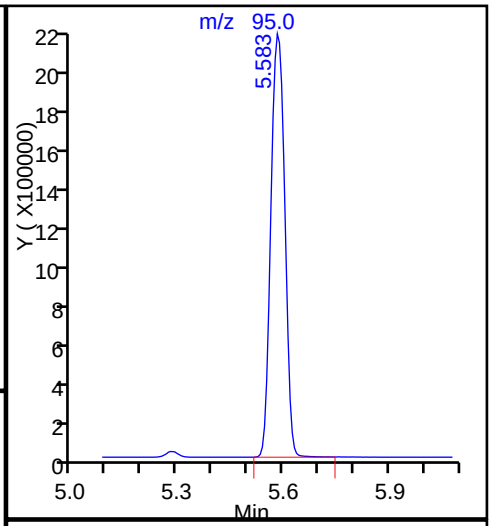
62 Trichloroethene, CAS: 79-01-6

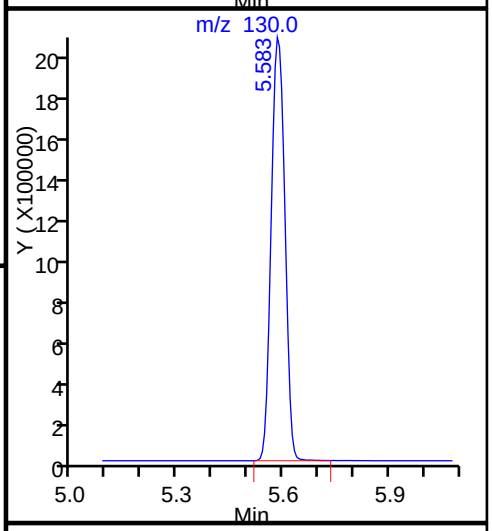


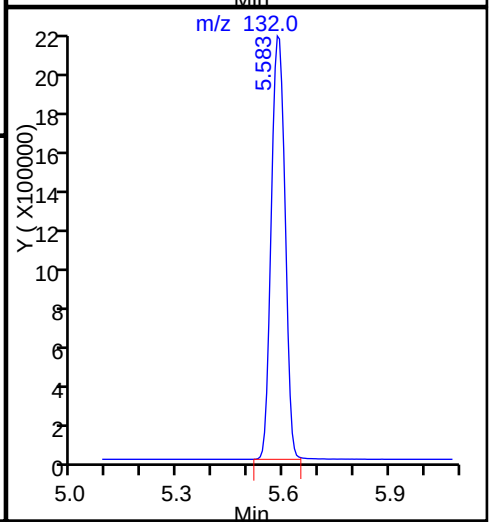












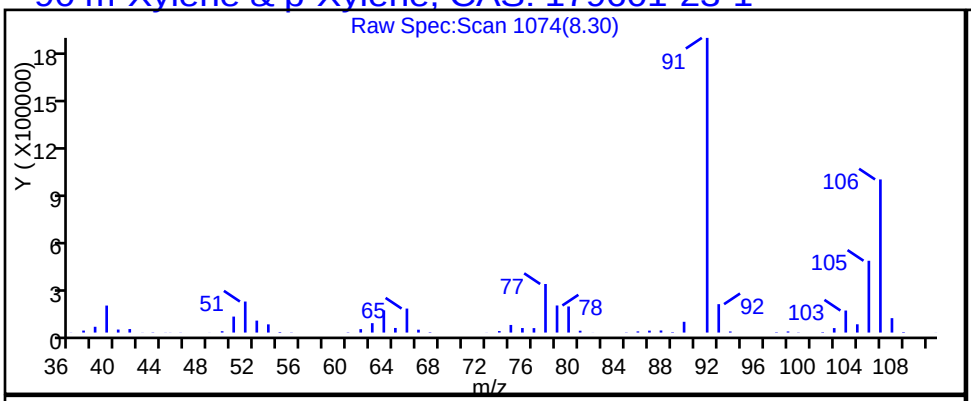
Report Date: 14-Jun-2016 10:11:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

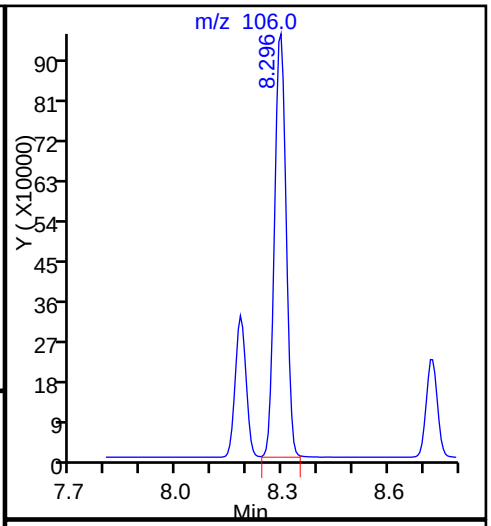
TestAmerica Buffalo

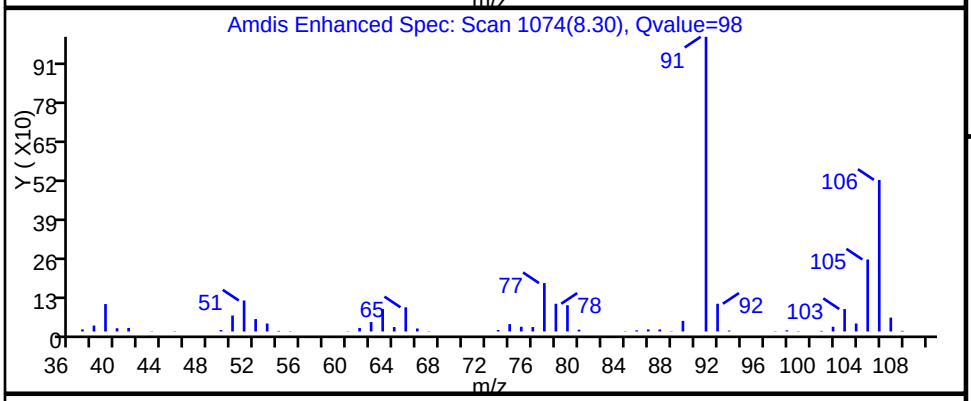
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

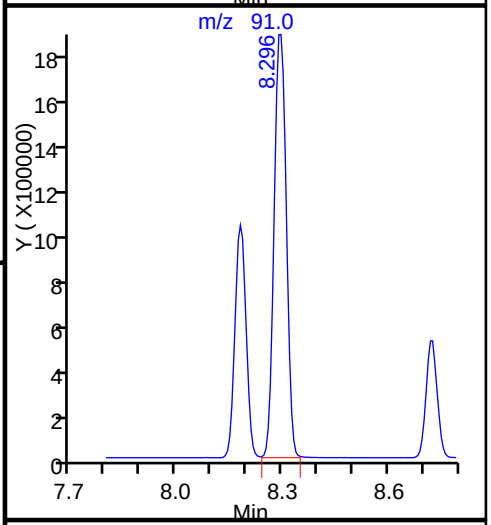
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	NMD	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

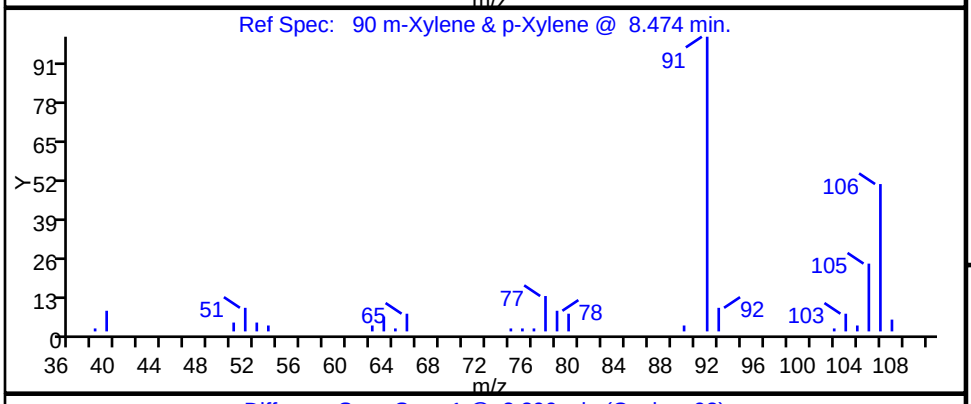
90 m-Xylene & p-Xylene, CAS: 179601-23-1

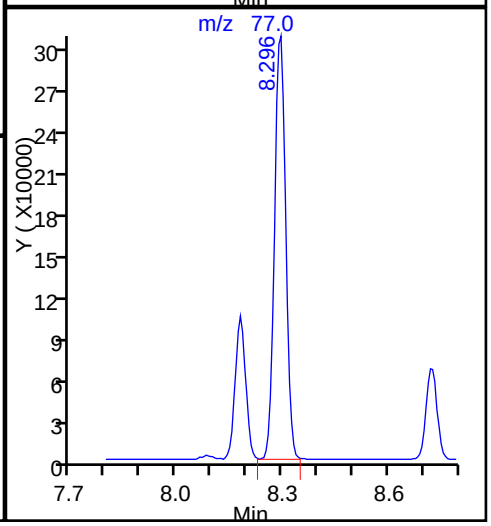


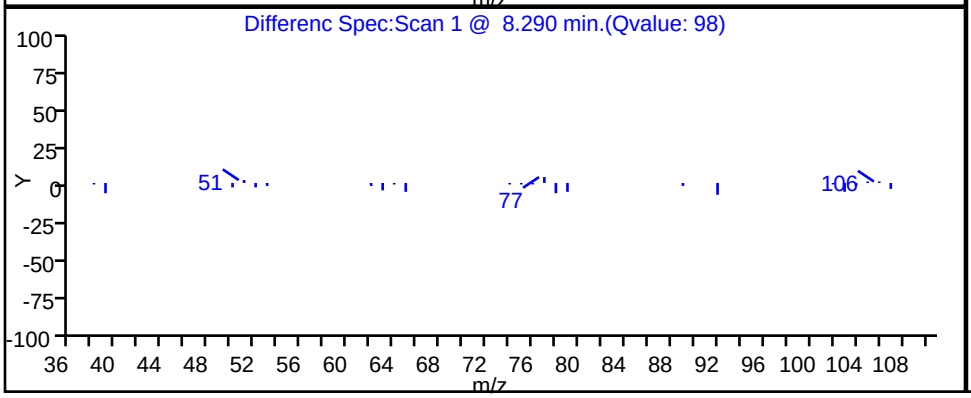










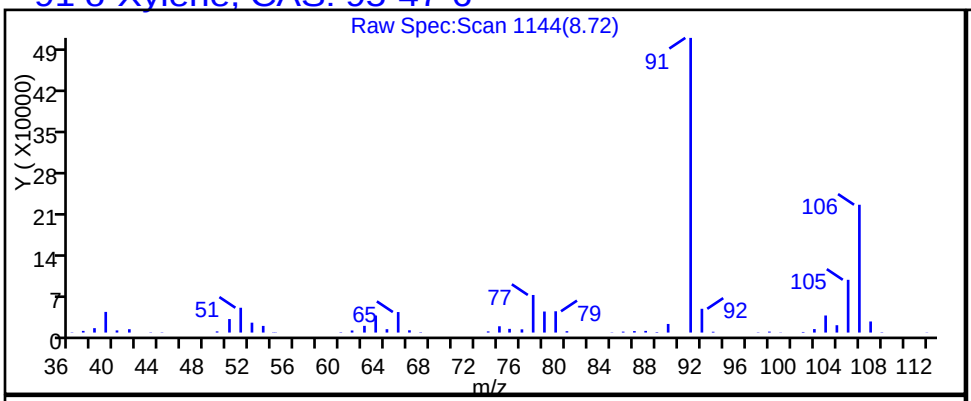


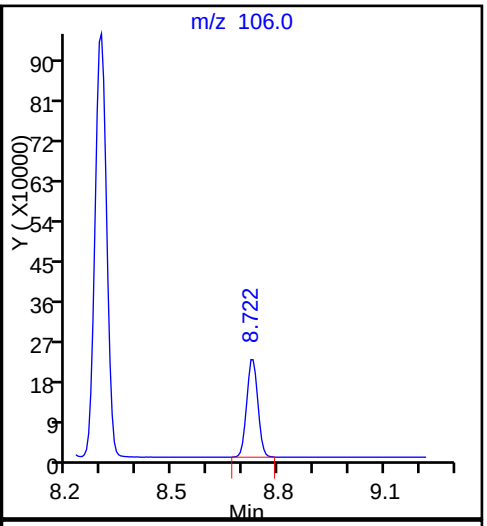
TestAmerica Buffalo

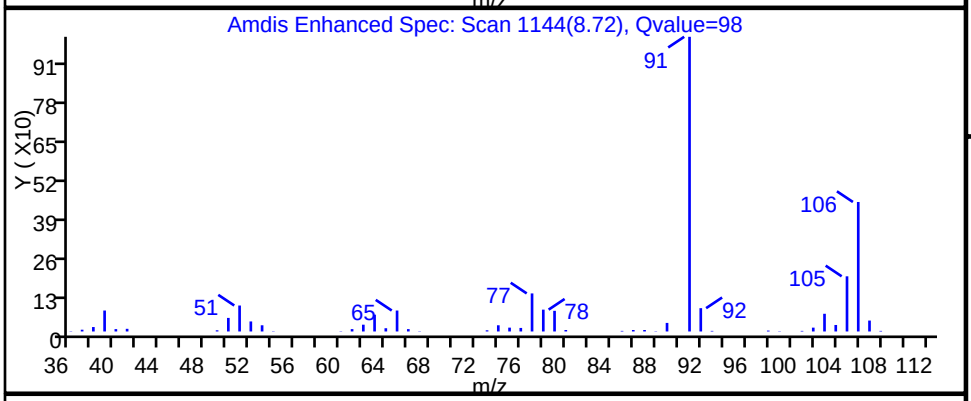
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7193.D

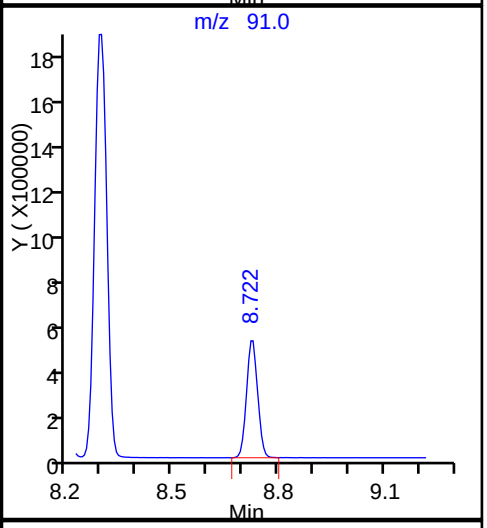
Injection Date:	14-Jun-2016 07:04:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-33-B	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	21 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

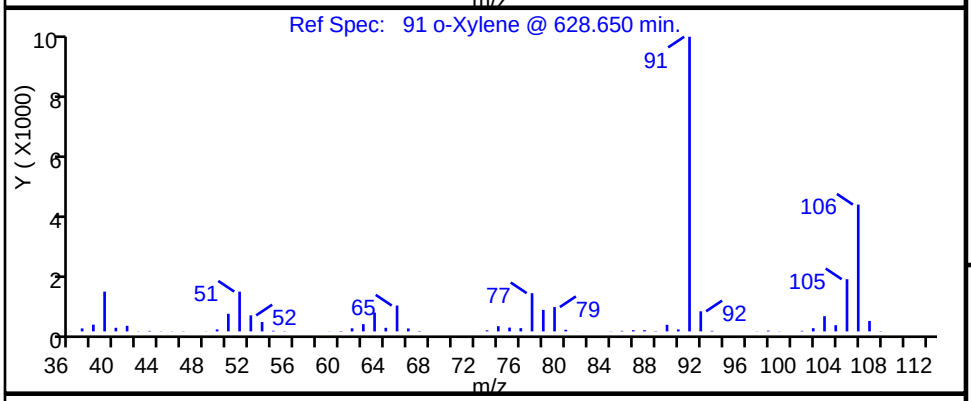
91 o-Xylene, CAS: 95-47-6

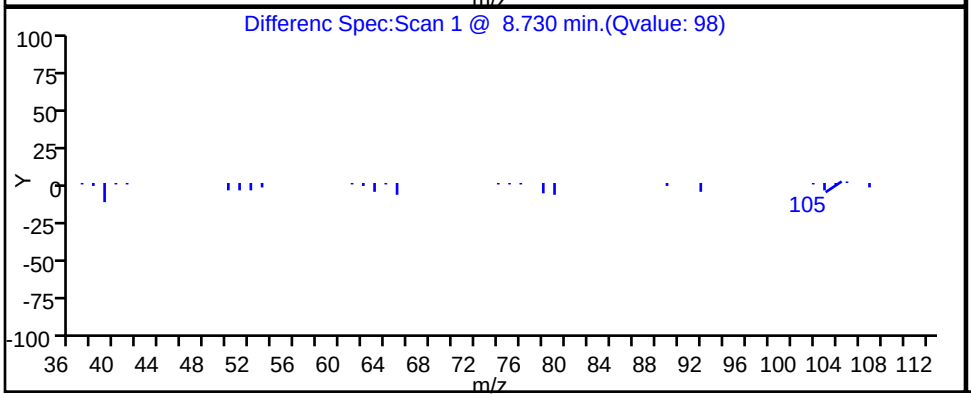


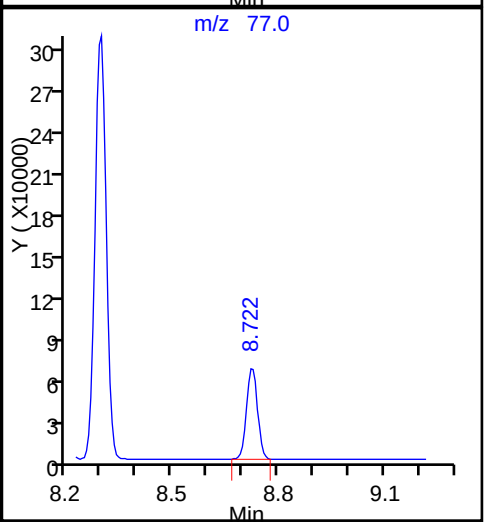












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B102-AREA2-S1 DL | Lab Sample ID: 480-101258-33 DL

Matrix: Solid | Lab File ID: N4672.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:45

Sample wt/vol: 5.11(g) | Date Analyzed: 06/15/2016 17:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 7.8 | Level: (low/med) Medium

Analysis Batch No.: 306755 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2200	610
79-34-5	1,1,2,2-Tetrachloroethane	ND		2200	360
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200	1100
79-00-5	1,1,2-Trichloroethane	ND		2200	460
75-34-3	1,1-Dichloroethane	ND		2200	680
75-35-4	1,1-Dichloroethene	ND		2200	760
120-82-1	1,2,4-Trichlorobenzene	ND		2200	840
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2200	1100
106-93-4	1,2-Dibromoethane	ND		2200	390
95-50-1	1,2-Dichlorobenzene	ND		2200	560
107-06-2	1,2-Dichloroethane	ND		2200	900
78-87-5	1,2-Dichloropropane	ND	*	2200	360
541-73-1	1,3-Dichlorobenzene	ND		2200	590
106-46-7	1,4-Dichlorobenzene	ND		2200	310
78-93-3	2-Butanone (MEK)	ND		11000	6600
591-78-6	2-Hexanone	ND		11000	4500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		11000	710
67-64-1	Acetone	ND		11000	9100
71-43-2	Benzene	ND		2200	420
75-27-4	Bromodichloromethane	ND		2200	440
75-25-2	Bromoform	ND		2200	1100
74-83-9	Bromomethane	ND		2200	490
75-15-0	Carbon disulfide	ND		2200	1000
56-23-5	Carbon tetrachloride	ND		2200	560
108-90-7	Chlorobenzene	ND		2200	290
75-00-3	Chloroethane	ND		2200	460
67-66-3	Chloroform	ND		2200	1500
74-87-3	Chloromethane	ND		2200	530
156-59-2	cis-1,2-Dichloroethene	ND		2200	610
10061-01-5	cis-1,3-Dichloropropene	ND		2200	530
110-82-7	Cyclohexane	ND	*	2200	490
124-48-1	Dibromochloromethane	ND		2200	1100
75-71-8	Dichlorodifluoromethane	ND		2200	960
100-41-4	Ethylbenzene	1300	J	2200	640
98-82-8	Isopropylbenzene	ND		2200	330

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B102-AREA2-S1 DL | Lab Sample ID: 480-101258-33 DL

Matrix: Solid | Lab File ID: N4672.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:45

Sample wt/vol: 5.11(g) | Date Analyzed: 06/15/2016 17:38

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 20

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 7.8 | Level: (low/med) Medium

Analysis Batch No.: 306755 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2200	1100
1634-04-4	Methyl tert-butyl ether	ND		2200	830
108-87-2	Methylcyclohexane	ND		2200	1000
75-09-2	Methylene Chloride	ND		2200	440
100-42-5	Styrene	ND		2200	530
127-18-4	Tetrachloroethene	93000		2200	300
108-88-3	Toluene	2900		2200	590
156-60-5	trans-1,2-Dichloroethene	ND		2200	520
10061-02-6	trans-1,3-Dichloropropene	ND		2200	220
79-01-6	Trichloroethene	11000		2200	610
75-69-4	Trichlorofluoromethane	ND		2200	1000
75-01-4	Vinyl chloride	ND		2200	740
1330-20-7	Xylenes, Total	1700	J	4400	1200

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		53-146
460-00-4	4-Bromofluorobenzene (Surr)	110		49-148
2037-26-5	Toluene-d8 (Surr)	93		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D
Lims ID: 480-101258-A-33-C
Client ID: B102-AREA2-S1
Sample Type: Client
Inject. Date: 15-Jun-2016 17:38:30 ALS Bottle#: 46 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-101258-A-33-C
Misc. Info.: 480-0054051-021
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 18:21:00 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 15-Jun-2016 18:33:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.564	-0.006	98	85834	25.0	
* 2 Chlorobenzene-d5	117	8.564	8.558	0.006	90	287660	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	98	144768	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.279	5.272	0.007	0	135399	26.1	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	95	370367	23.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	87	119378	27.5	
11 Dichlorodifluoromethane	85		1.391				ND	
13 Chloromethane	50		1.555				ND	
14 Vinyl chloride	62		1.665				ND	
15 Bromomethane	94		1.969				ND	
16 Chloroethane	64		2.078				ND	
18 Trichlorofluoromethane	101		2.328				ND	
22 1,1-Dichloroethene	96		2.808				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821				ND	
23 Acetone	43		2.900				ND	
25 Carbon disulfide	76		3.003				ND	
28 Methyl acetate	43		3.204				ND	
30 Methylene Chloride	84		3.301				ND	
32 Methyl tert-butyl ether	73		3.538				ND	
33 trans-1,2-Dichloroethene	96		3.545				ND	
36 1,1-Dichloroethane	63		3.952				ND	
43 cis-1,2-Dichloroethene	96		4.506				ND	
44 2-Butanone (MEK)	43		4.530				ND	
50 Chloroform	83		4.816				ND	
51 1,1,1-Trichloroethane	97		4.944				ND	
52 Cyclohexane	56		4.968				ND	
53 Carbon tetrachloride	117		5.090				ND	
55 Benzene	78		5.297				ND	
57 1,2-Dichloroethane	62		5.345				ND	
60 Trichloroethene	95	5.911	5.911	0.000	95	18129	4.90	
62 Methylcyclohexane	83		6.051				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.136				ND	
67 Dichlorobromomethane	83		6.422				ND	
71 cis-1,3-Dichloropropene	75		6.842				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982				ND	
73 Toluene	92	7.140	7.146	-0.006	96	12985	1.30	
75 trans-1,3-Dichloropropene	75		7.402				ND	
78 1,1,2-Trichloroethane	83		7.590				ND	
79 Tetrachloroethene	166	7.688	7.687	0.001	95	152466	42.4	
82 2-Hexanone	43		7.821				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
85 Chlorobenzene	112		8.588				ND	
88 Ethylbenzene	91	8.685	8.691	-0.006	95	11101	0.5862	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	12798	0.7676	
91 o-Xylene	106		9.239				ND	
92 Styrene	104		9.263				ND	
93 Bromoform	173		9.494				ND	
95 Isopropylbenzene	105		9.622				ND	
98 1,1,2,2-Tetrachloroethane	83		9.987				ND	
110 1,3-Dichlorobenzene	146		10.869				ND	
113 1,4-Dichlorobenzene	146		10.960				ND	
116 1,2-Dichlorobenzene	146		11.307				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.025				ND	
119 1,2,4-Trichlorobenzene	180		12.712				ND	
S 126 Xylenes, Total	1				0		0.7676	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

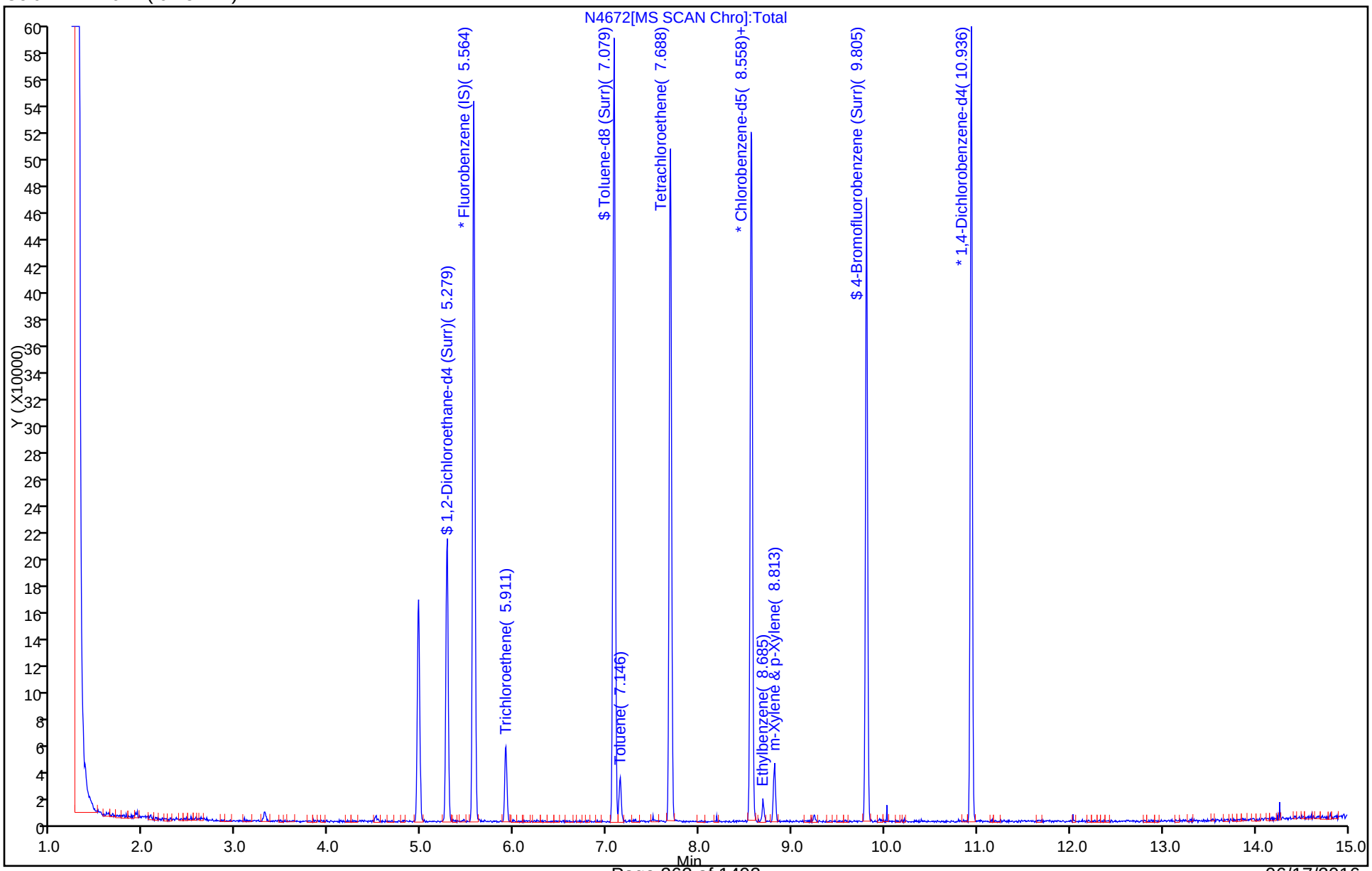
Report Date: 15-Jun-2016 18:33:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D

Injection Date:	15-Jun-2016 17:38:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-101258-A-33-C	Lab Sample ID:	480-101258-33	Worklist Smp#:	21
Client ID:	B102-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	46
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D
Lims ID: 480-101258-A-33-C
Client ID: B102-AREA2-S1
Sample Type: Client
Inject. Date: 15-Jun-2016 17:38:30 ALS Bottle#: 46 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-101258-A-33-C
Misc. Info.: 480-0054051-021
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 18:21:00 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 15-Jun-2016 18:33:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.1	104.36
$ 6 Toluene-d8 (Surr)	25.0	23.2	92.88
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.5	110.09

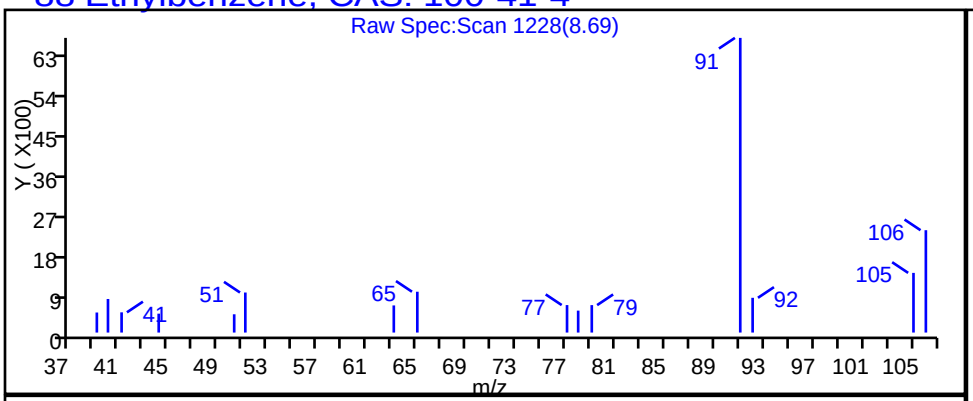
Report Date: 15-Jun-2016 18:33:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

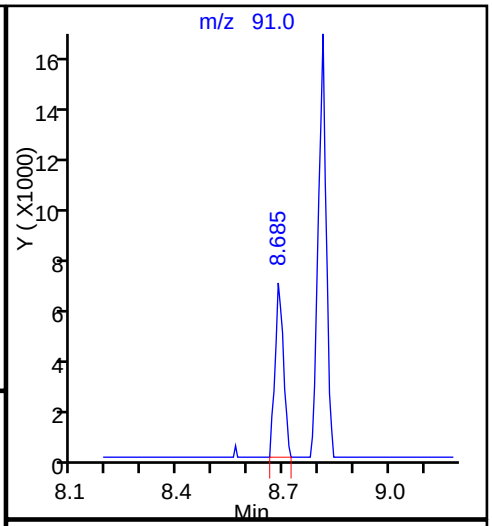
TestAmerica Buffalo

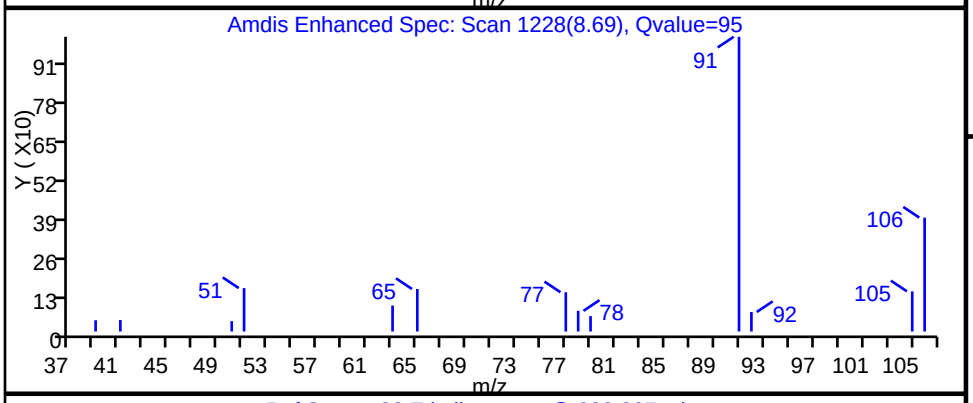
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D

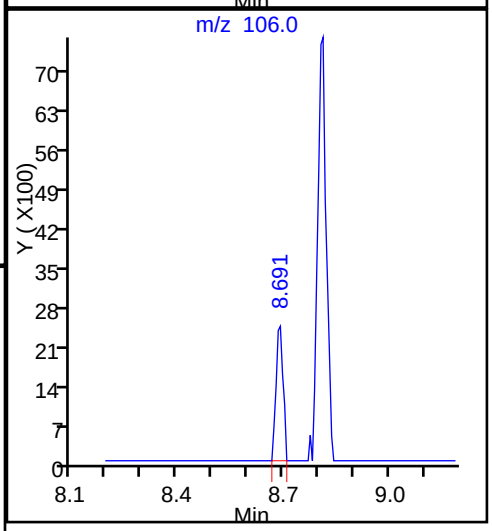
Injection Date:	15-Jun-2016 17:38:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-33-C	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	46	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

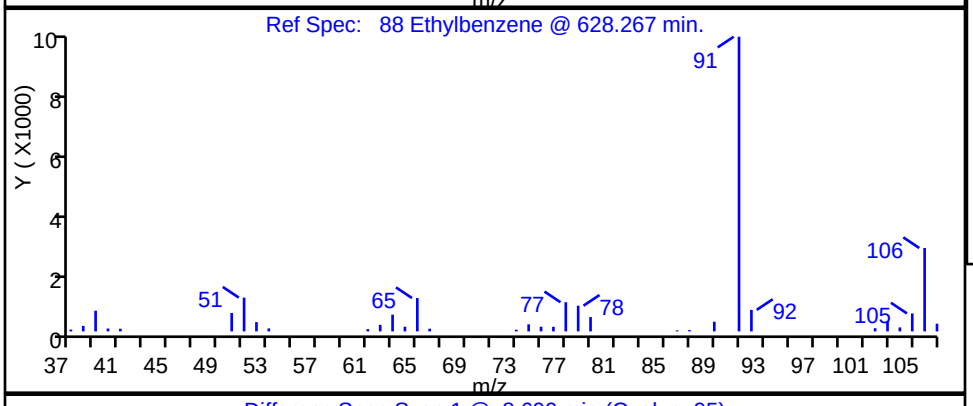
88 Ethylbenzene, CAS: 100-41-4

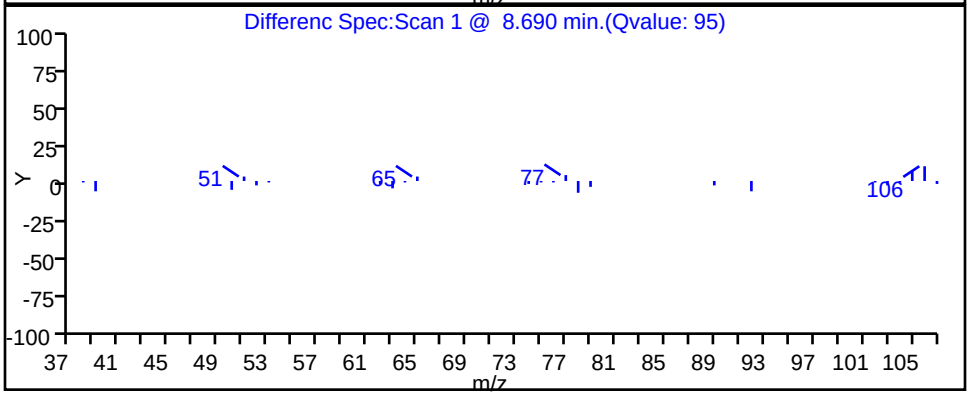












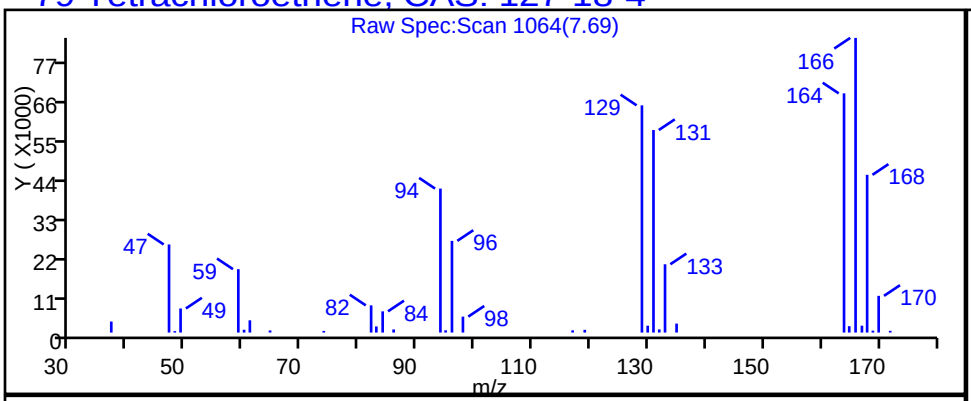
Report Date: 15-Jun-2016 18:33:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

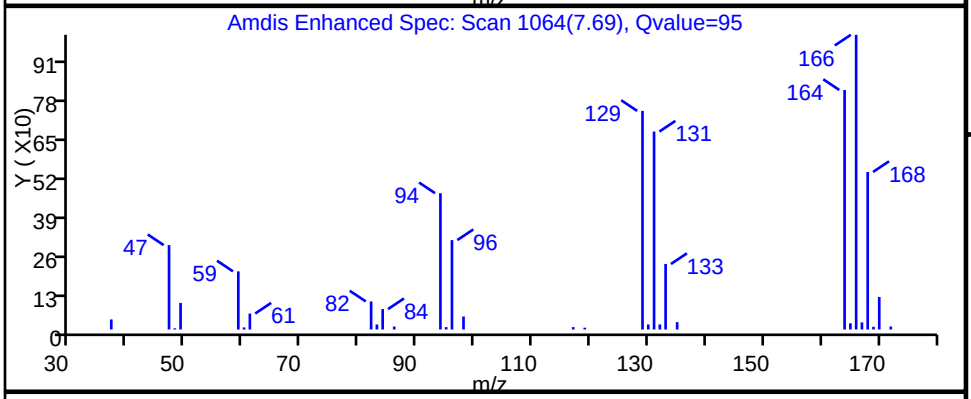
TestAmerica Buffalo

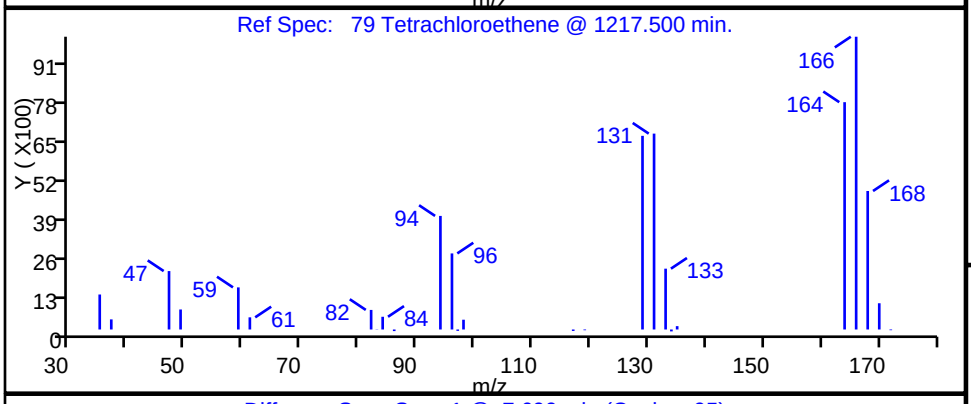
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D

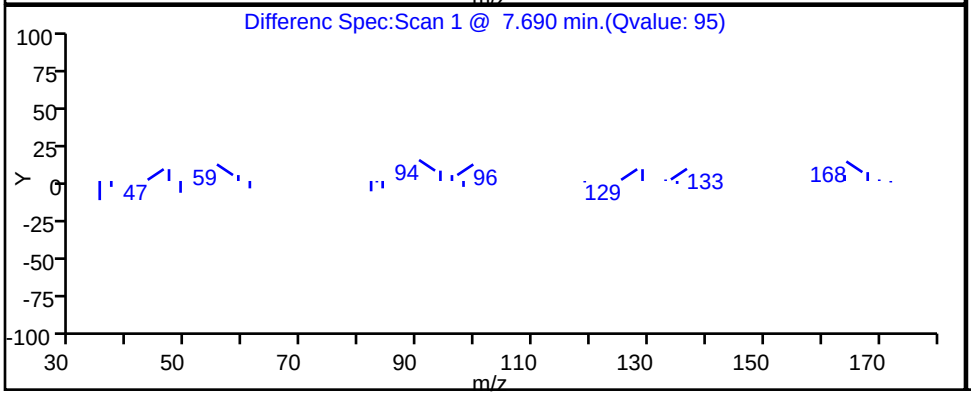
Injection Date:	15-Jun-2016 17:38:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-33-C	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	46 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

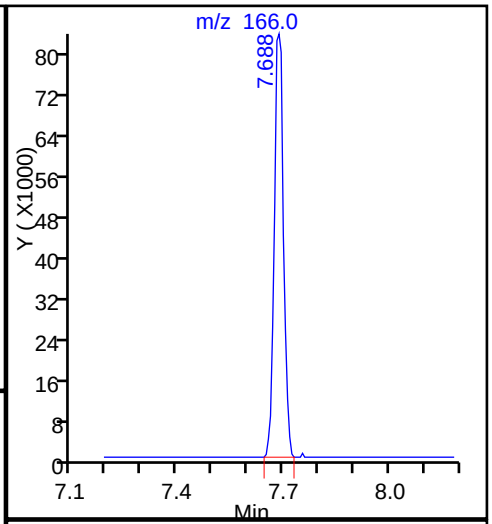
79 Tetrachloroethene, CAS: 127-18-4

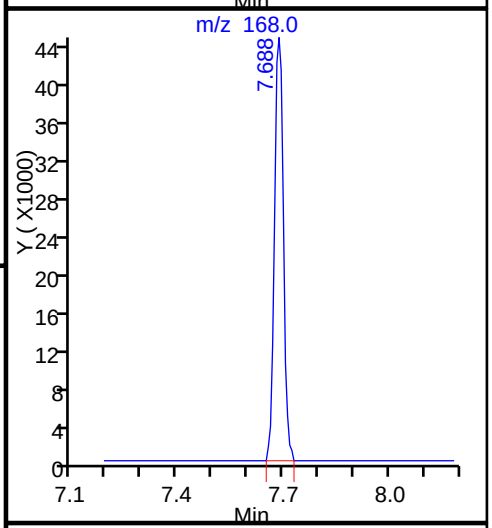


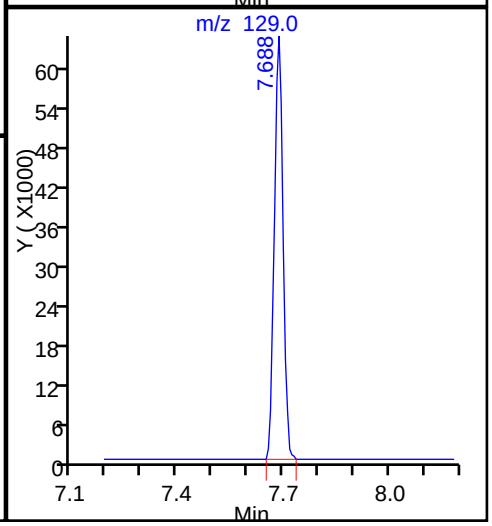










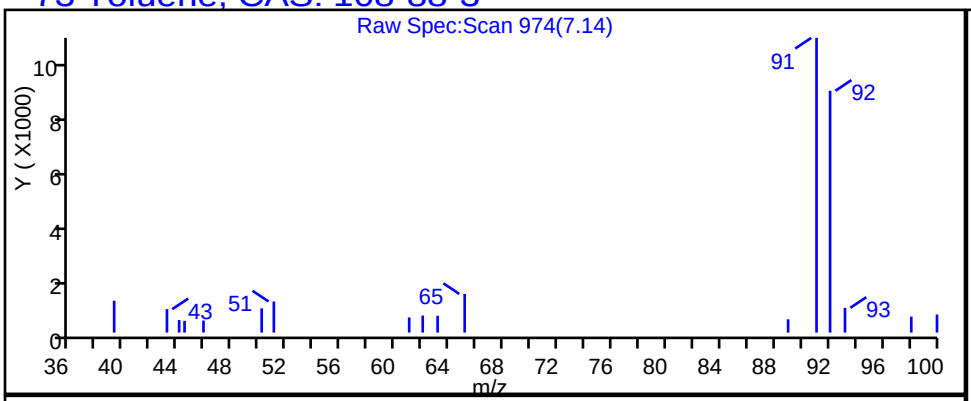


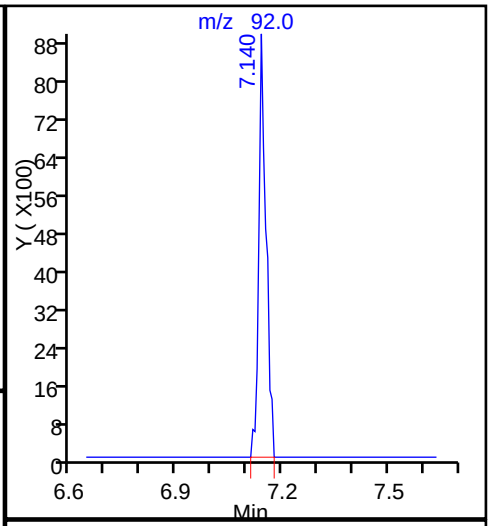
TestAmerica Buffalo

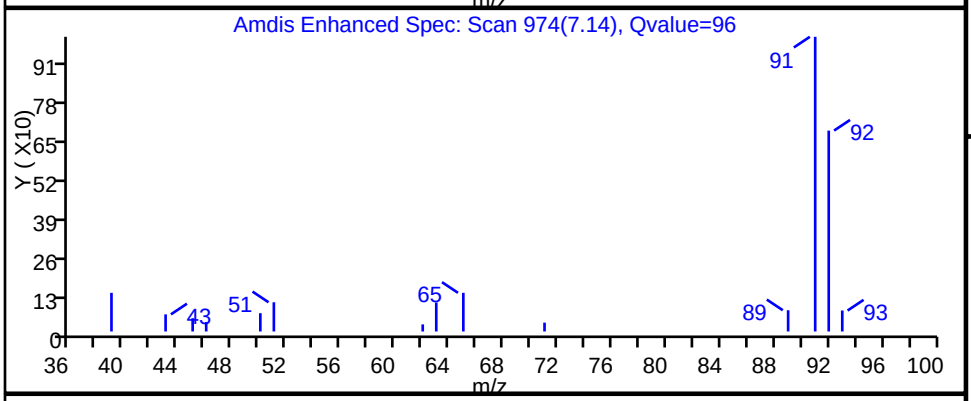
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D

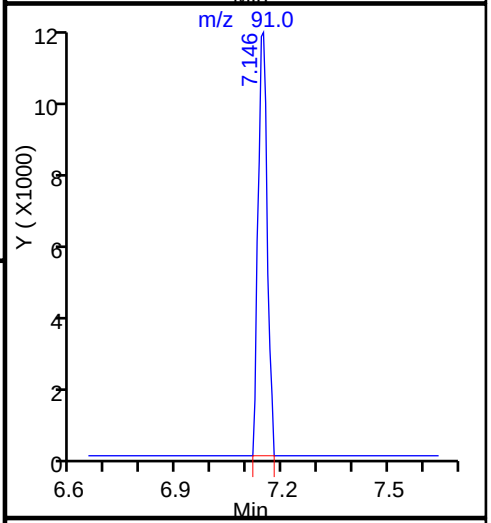
Injection Date:	15-Jun-2016 17:38:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-33-C	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	46	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

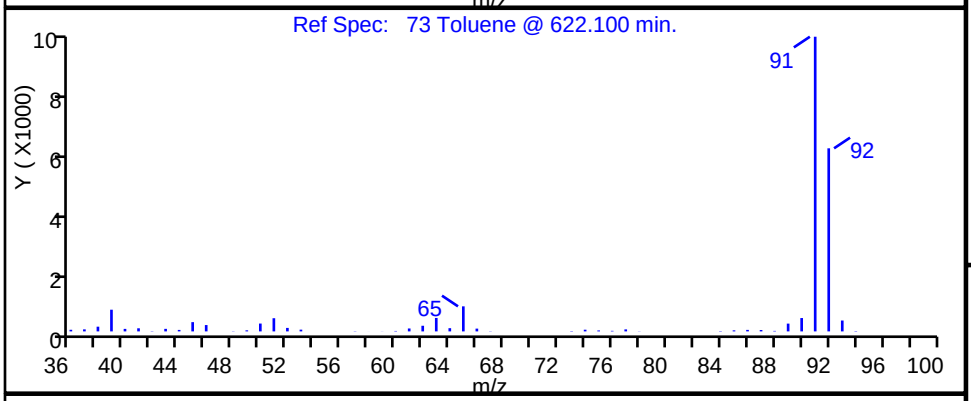
73 Toluene, CAS: 108-88-3

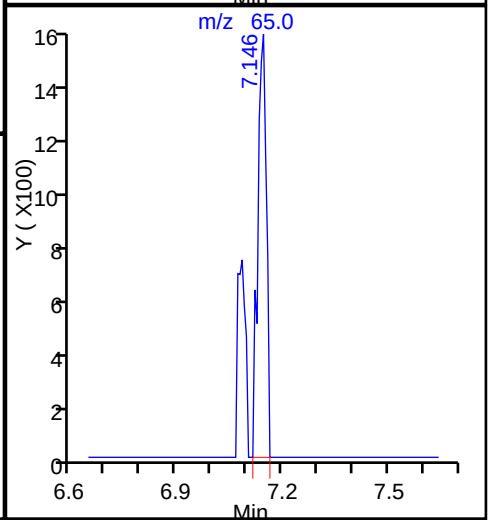


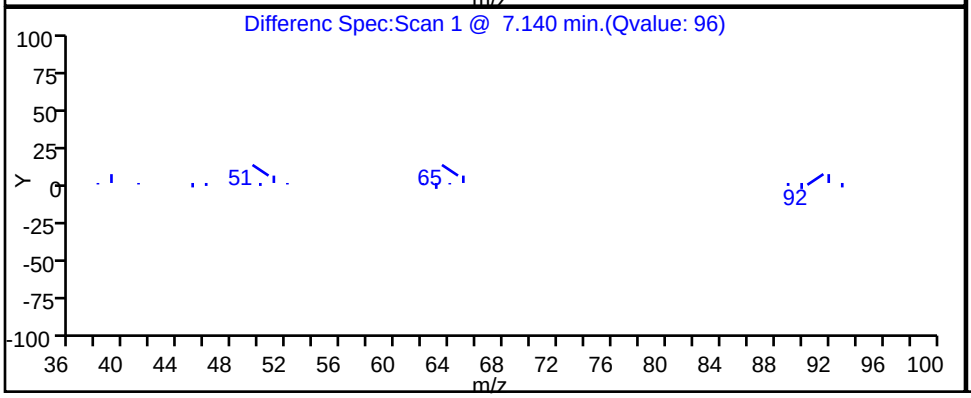












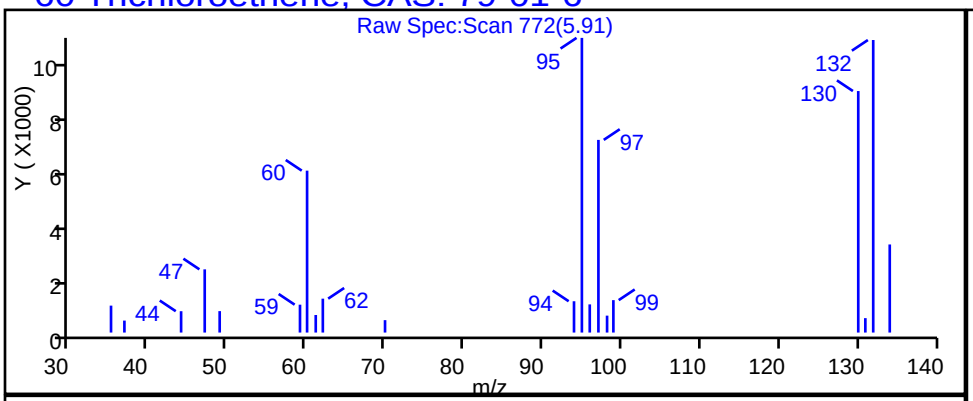
Report Date: 15-Jun-2016 18:33:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

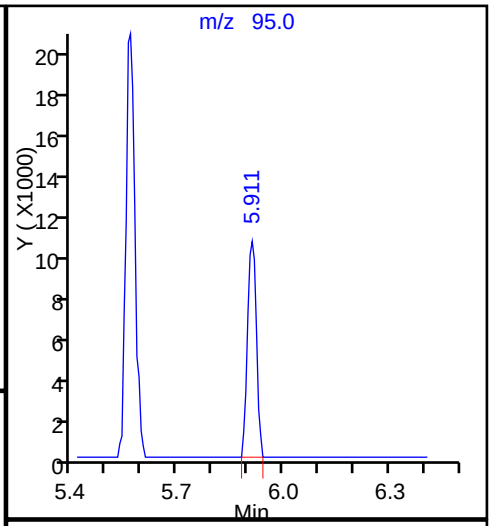
TestAmerica Buffalo

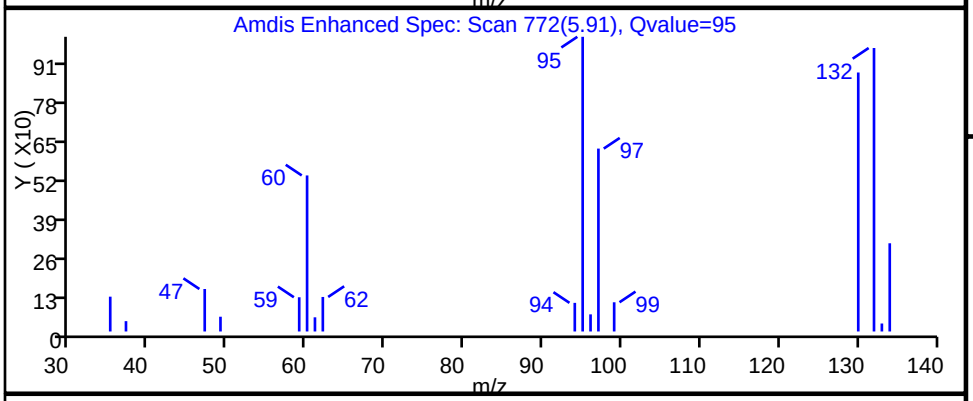
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D

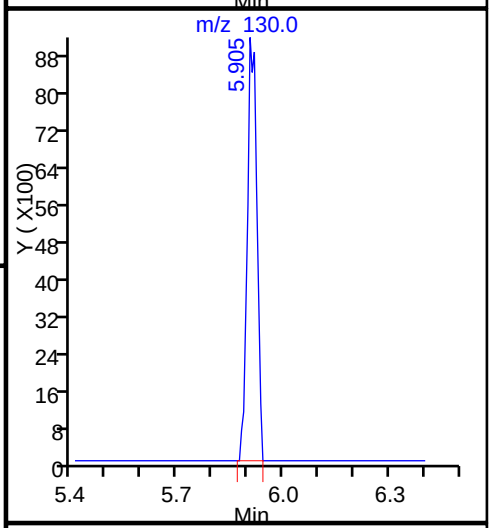
Injection Date:	15-Jun-2016 17:38:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-33-C	Lab Sample ID:	480-101258-33
Client ID:	B102-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	46 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

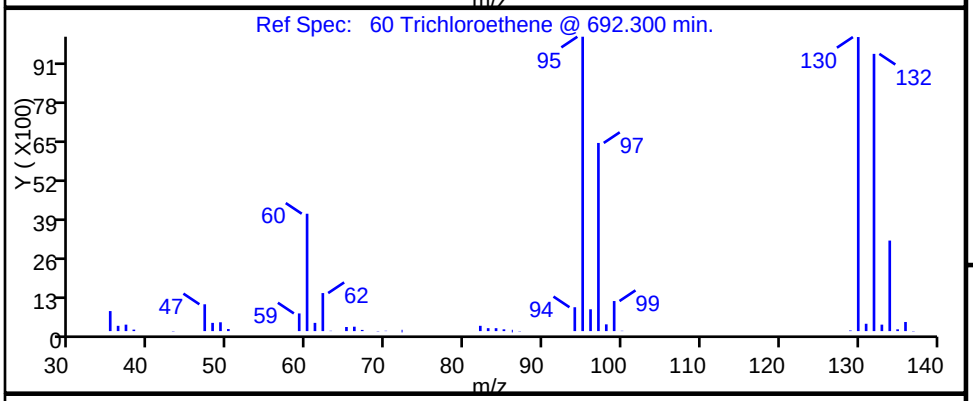
60 Trichloroethene, CAS: 79-01-6

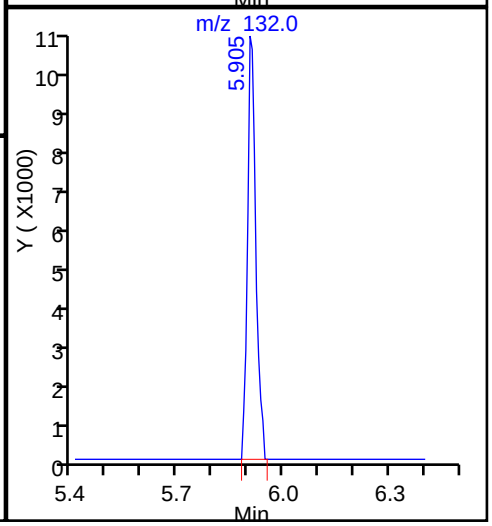


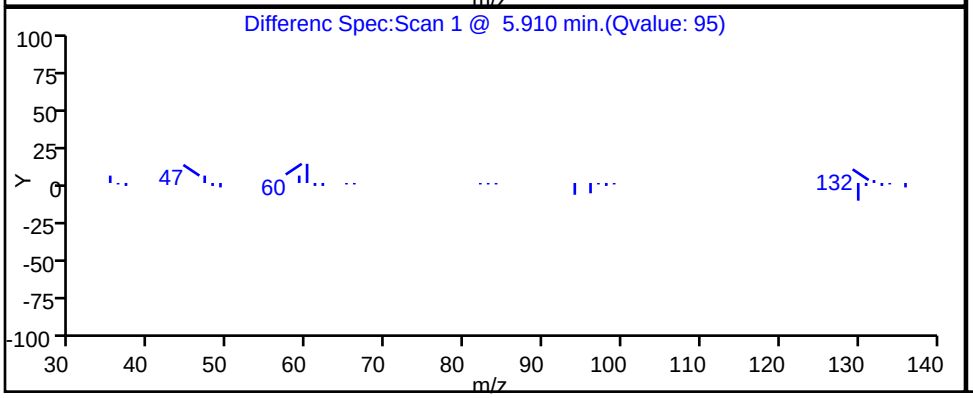








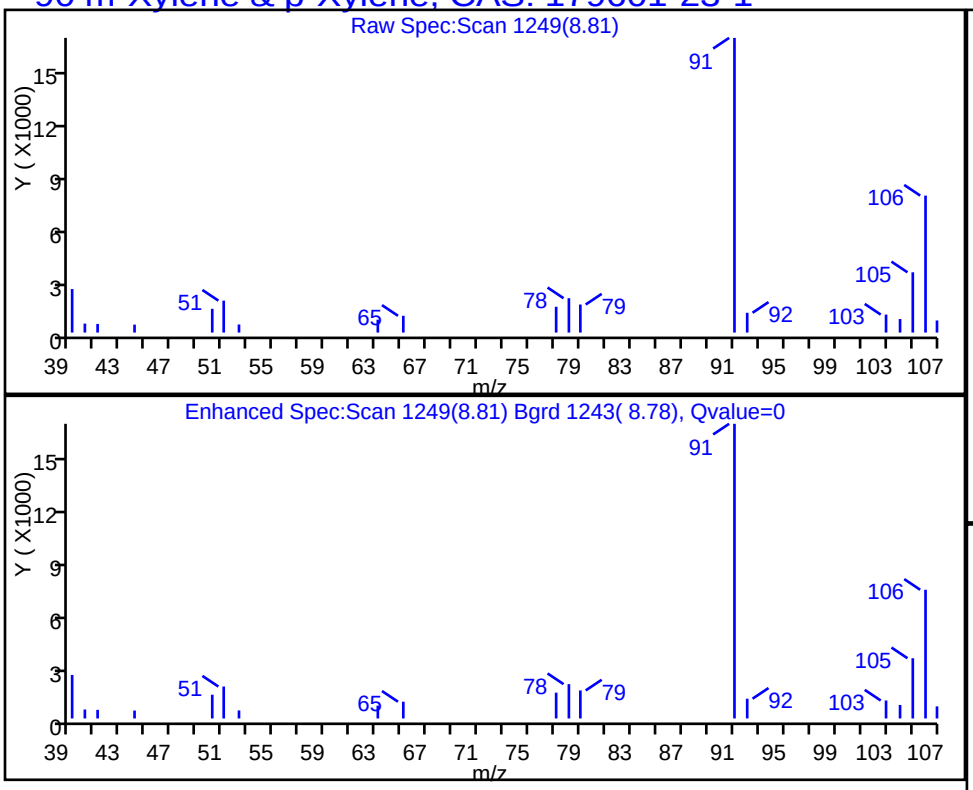


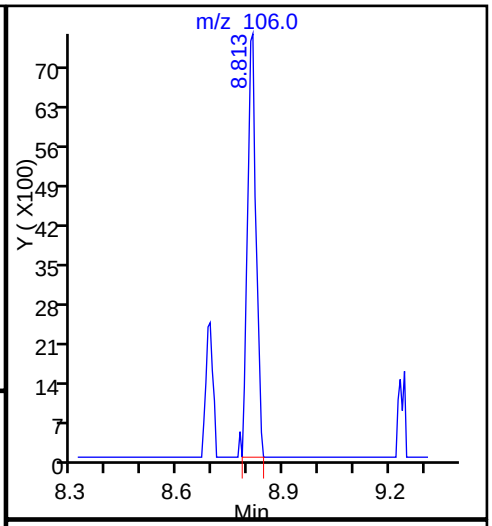


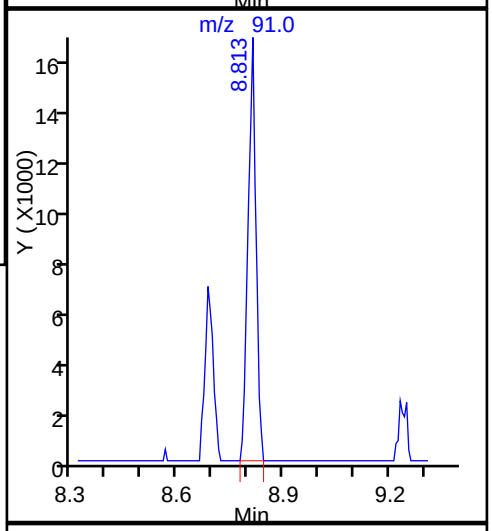
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4672.D

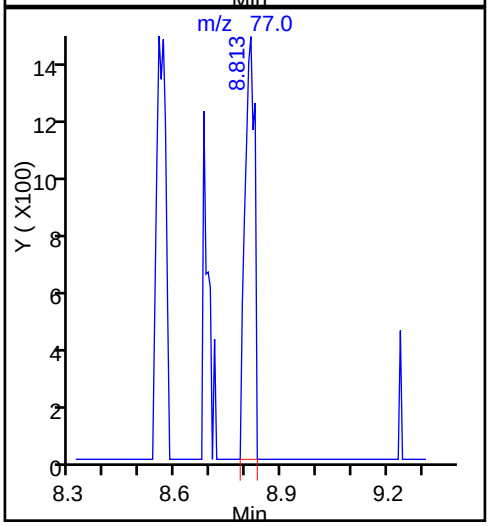
Injection Date:	15-Jun-2016 17:38:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-33-C	Lab Sample ID:	480-101258-33		
Client ID:	B102-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	46	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B102-AREA2-S2 | Lab Sample ID: 480-101258-34

Matrix: Solid | Lab File ID: F7205.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:55

Sample wt/vol: 5.14(g) | Date Analyzed: 06/14/2016 12:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 6.3 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.2	0.67
75-34-3	1,1-Dichloroethane	ND		5.2	0.63
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND		5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.25
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND		5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.50
108-90-7	Chlorobenzene	ND		5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.31
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.66
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND		5.2	0.66
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND		5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B102-AREA2-S2 | Lab Sample ID: 480-101258-34

Matrix: Solid | Lab File ID: F7205.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:55

Sample wt/vol: 5.14(g) | Date Analyzed: 06/14/2016 12:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 6.3 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	12		5.2	2.4
100-42-5	Styrene	ND		5.2	0.26
127-18-4	Tetrachloroethene	1.4	J	5.2	0.70
108-88-3	Toluene	ND		5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.3
79-01-6	Trichloroethene	1.1	J	5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.63
1330-20-7	Xylenes, Total	ND		10	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	48	X	72-126
2037-26-5	Toluene-d8 (Surr)	122		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7205.D
Lims ID: 480-101258-A-34-B
Client ID: B102-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 12:34:30 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-34-B
Misc. Info.: 480-0054020-007
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 16:44:14 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 18:50:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	167538	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	218506	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	53511	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	130559	54.0	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	575251	60.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	85	72925	24.0	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.113	3.101	0.012	67	7273	0.8755	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	86	71371	11.5	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.391	4.384	0.006	1	2461	0.4732	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95	5.583	5.583	0.000	90	5411	1.09	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.232	7.231	0.001	84	4371	1.33	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91		8.180				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

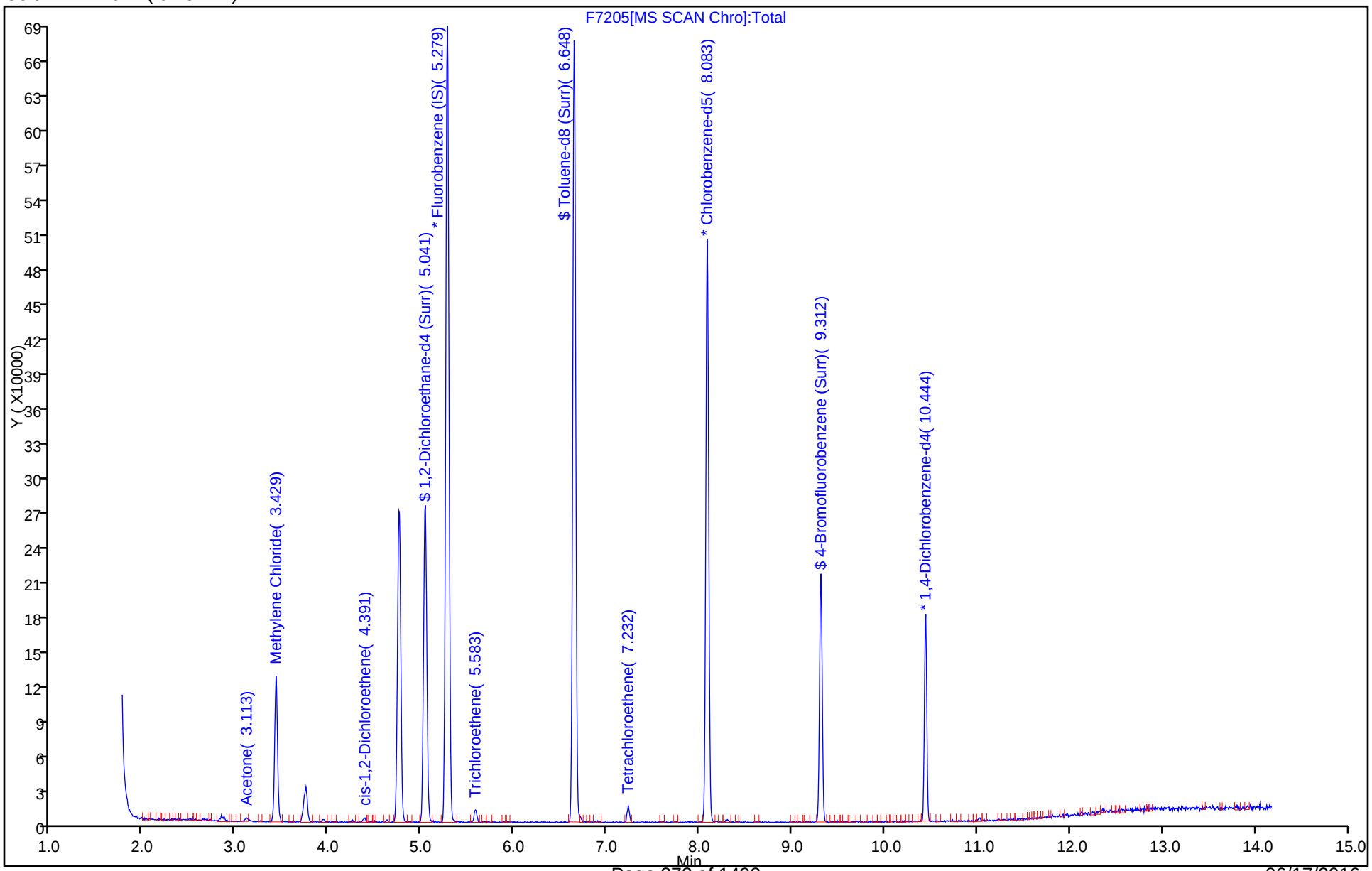
Report Date: 14-Jun-2016 18:50:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7205.D

Injection Date:	14-Jun-2016 12:34:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-34-B	Lab Sample ID:	480-101258-34	Worklist Smp#:	7
Client ID:	B102-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7205.D
Lims ID: 480-101258-A-34-B
Client ID: B102-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 12:34:30 ALS Bottle#: 1 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-34-B
Misc. Info.: 480-0054020-007
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 16:44:14 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 18:50:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	54.0	107.90
$ 5 Toluene-d8 (Surr)	50.0	60.9	121.79
$ 6 4-Bromofluorobenzene (Surr)	50.0	24.0	47.97

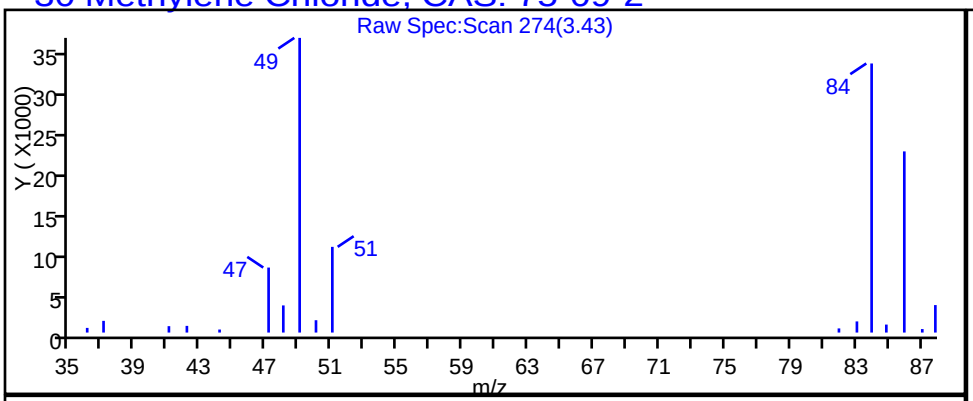
Report Date: 14-Jun-2016 18:50:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

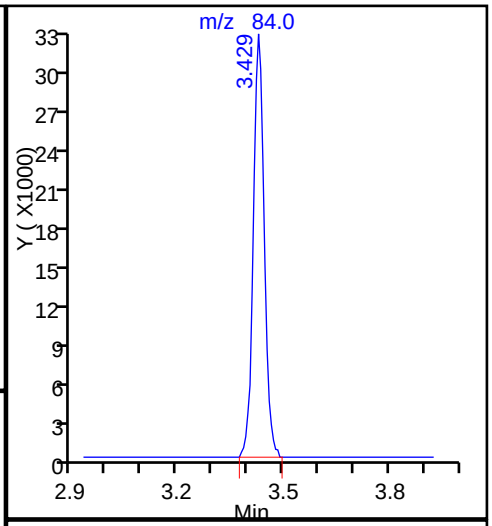
TestAmerica Buffalo

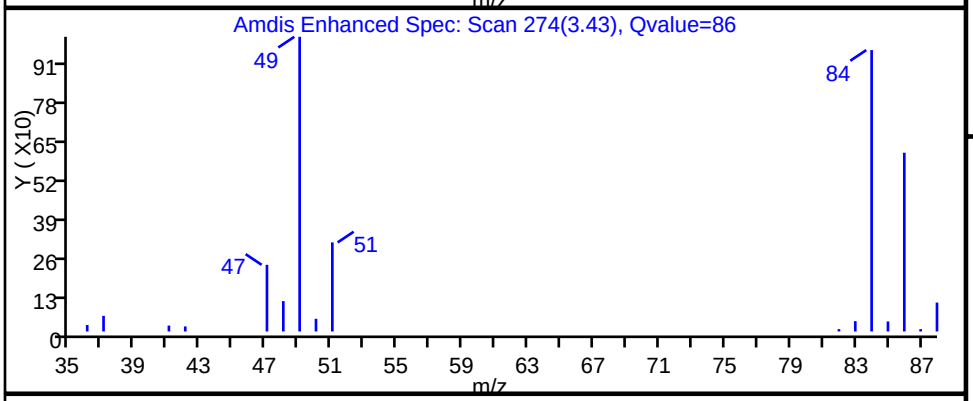
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7205.D

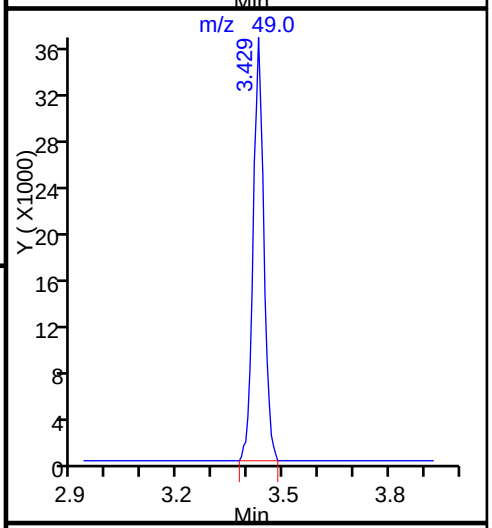
Injection Date:	14-Jun-2016 12:34:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-34-B	Lab Sample ID:	480-101258-34
Client ID:	B102-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	1 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

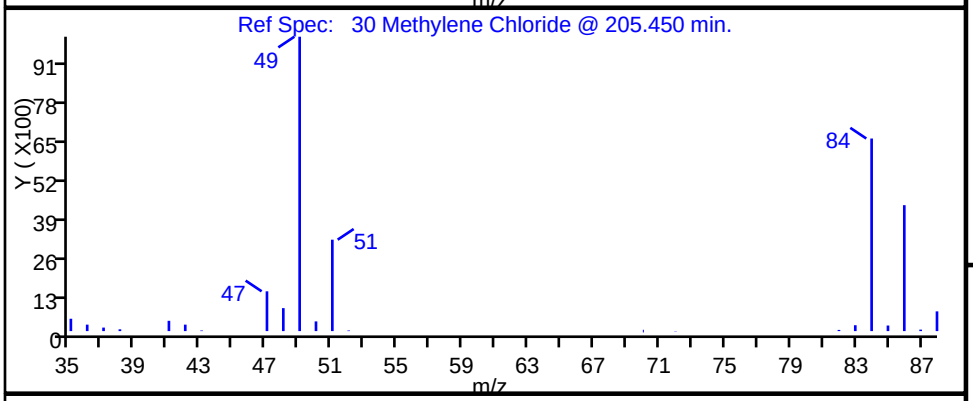
30 Methylene Chloride, CAS: 75-09-2

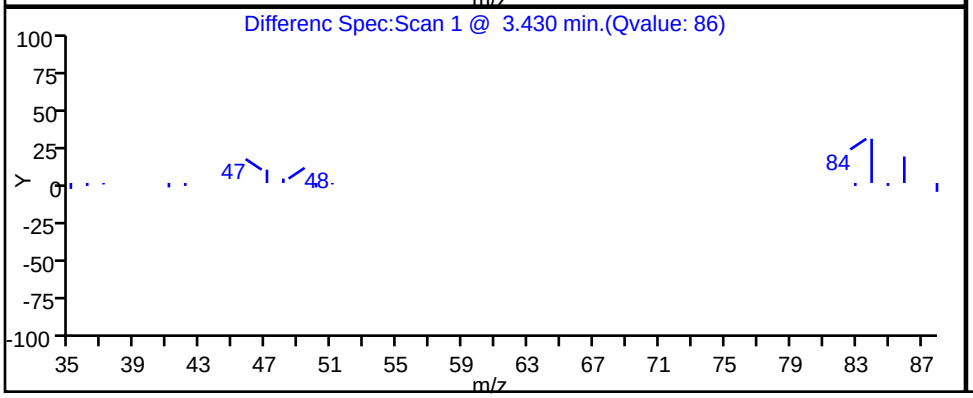


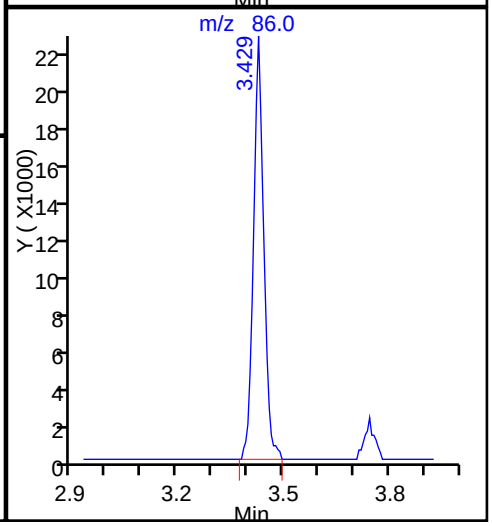












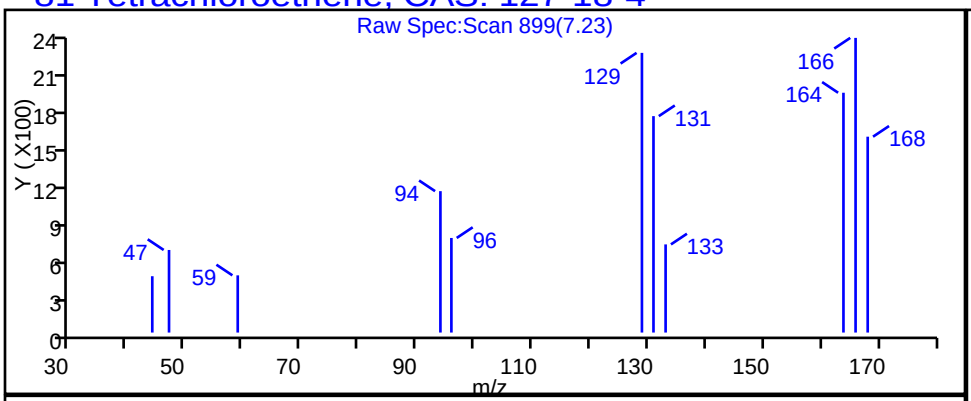
Report Date: 14-Jun-2016 18:50:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

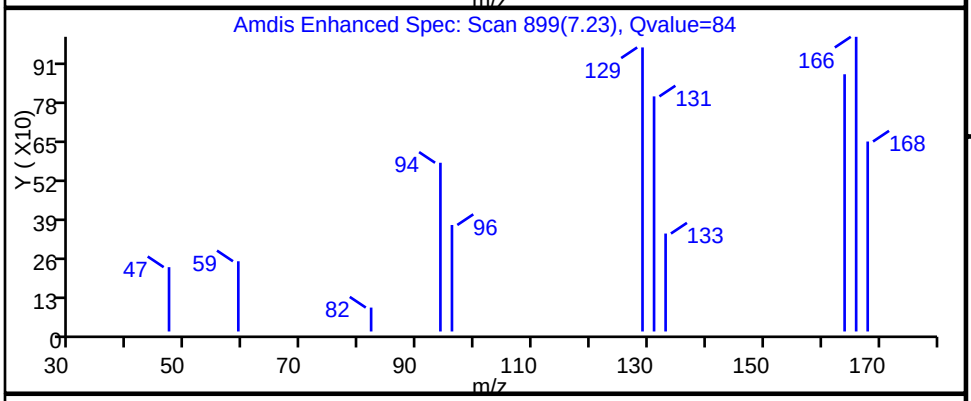
TestAmerica Buffalo

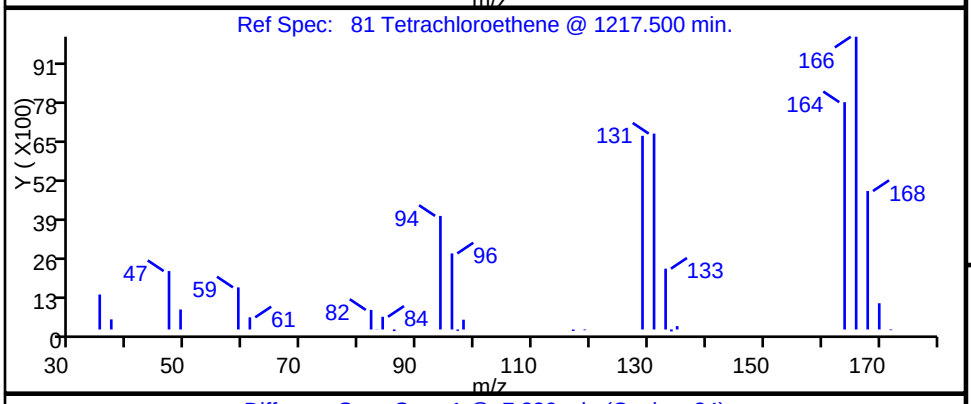
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7205.D

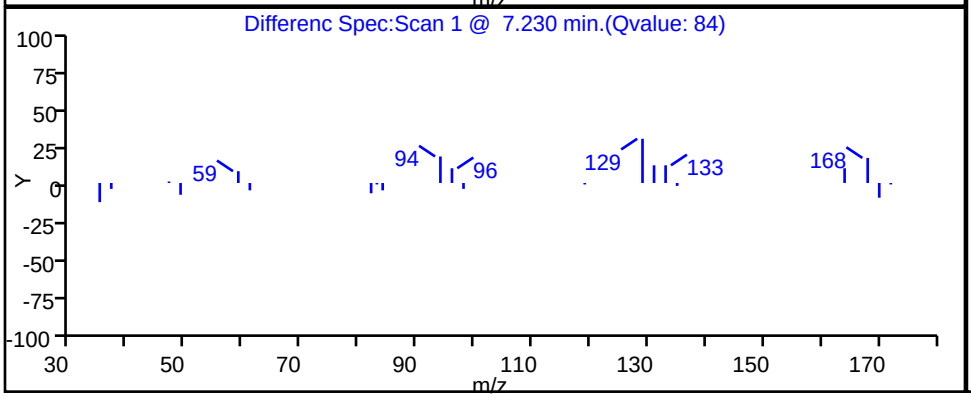
Injection Date:	14-Jun-2016 12:34:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-34-B	Lab Sample ID:	480-101258-34
Client ID:	B102-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	1 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

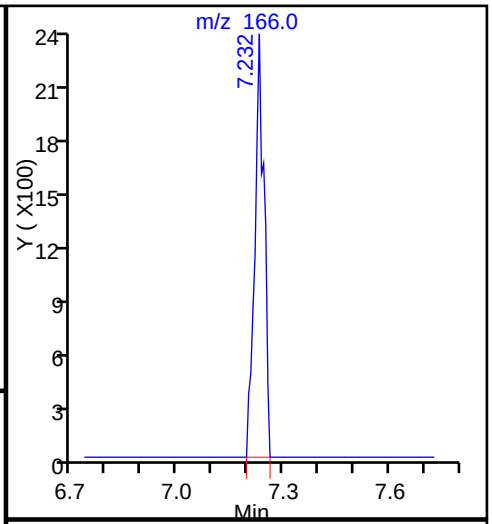
81 Tetrachloroethene, CAS: 127-18-4

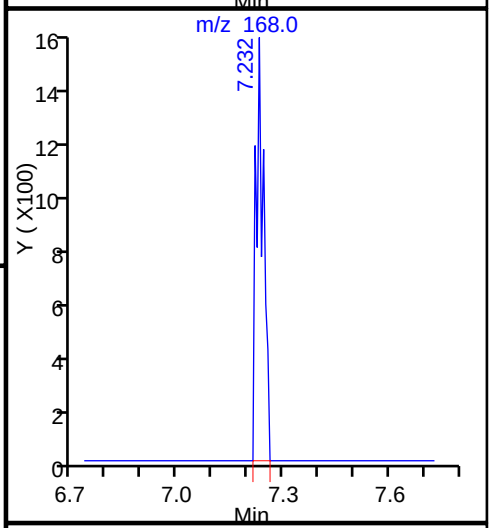


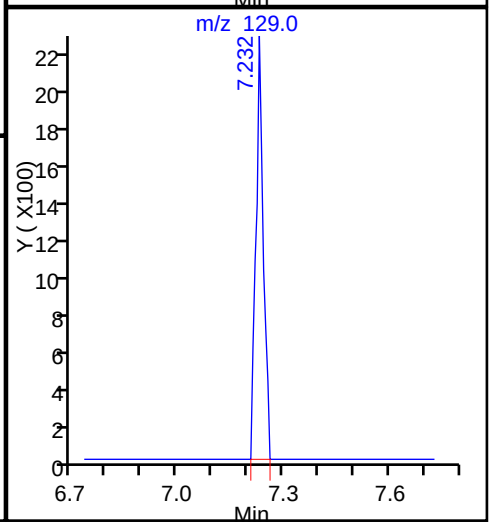












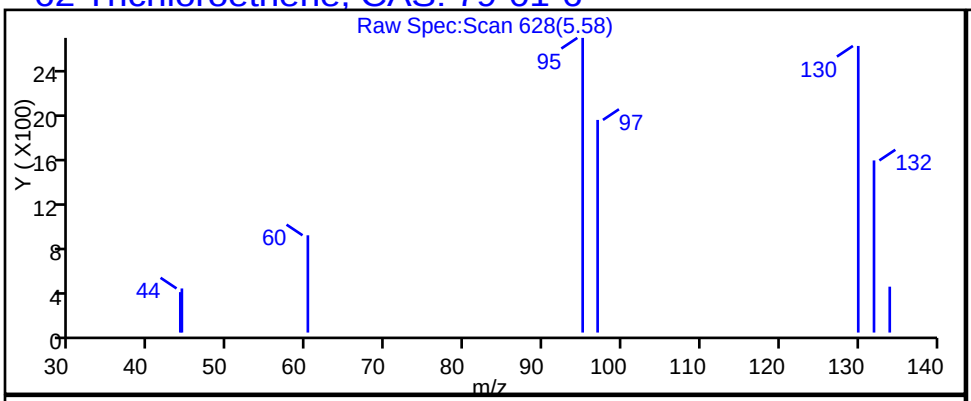
Report Date: 14-Jun-2016 18:50:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

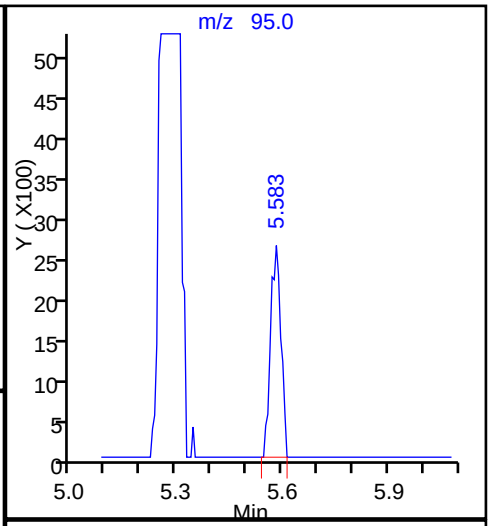
TestAmerica Buffalo

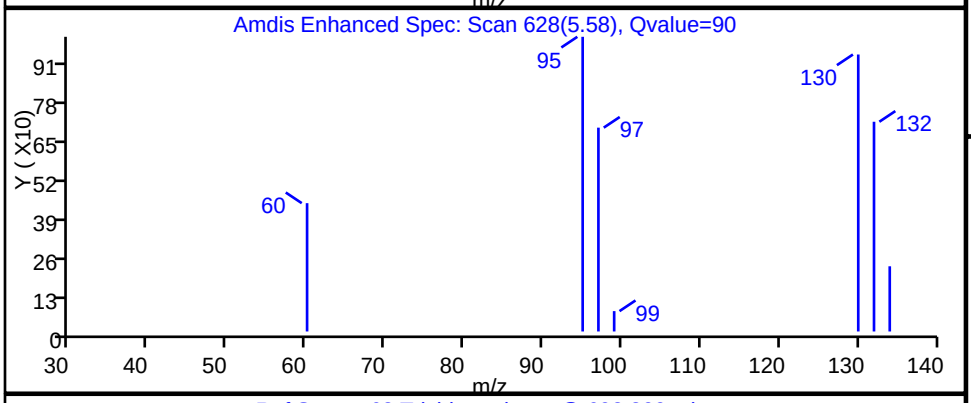
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7205.D

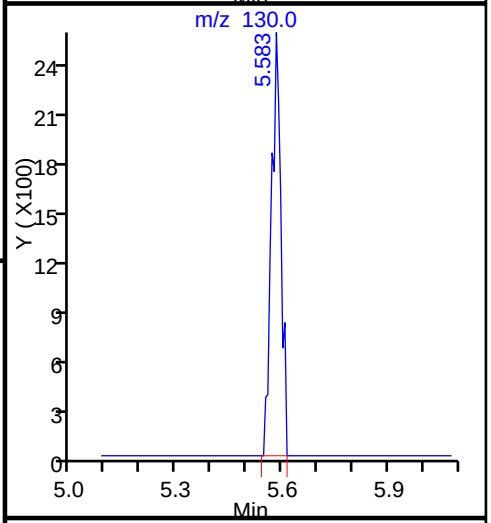
Injection Date:	14-Jun-2016 12:34:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-34-B	Lab Sample ID:	480-101258-34
Client ID:	B102-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	1 Worklist Smp#: 7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

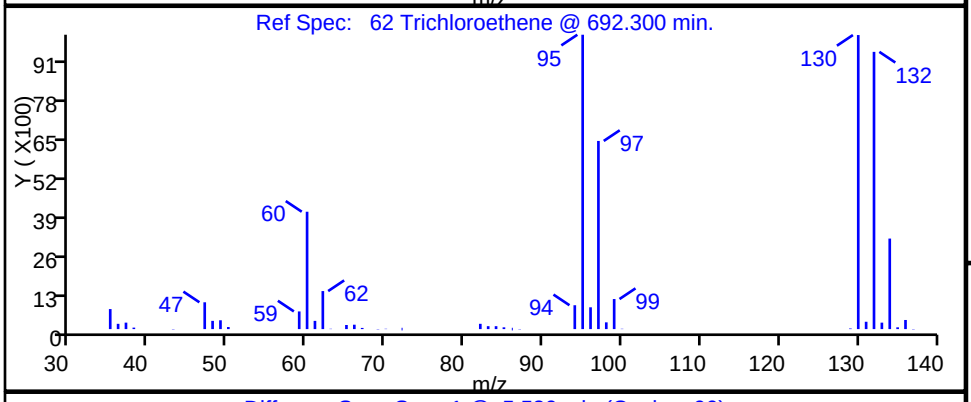
62 Trichloroethene, CAS: 79-01-6

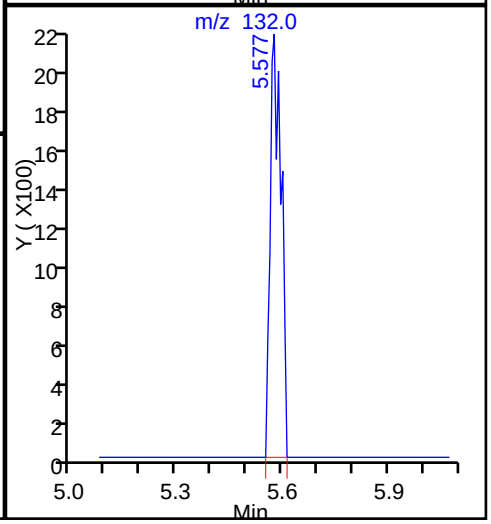


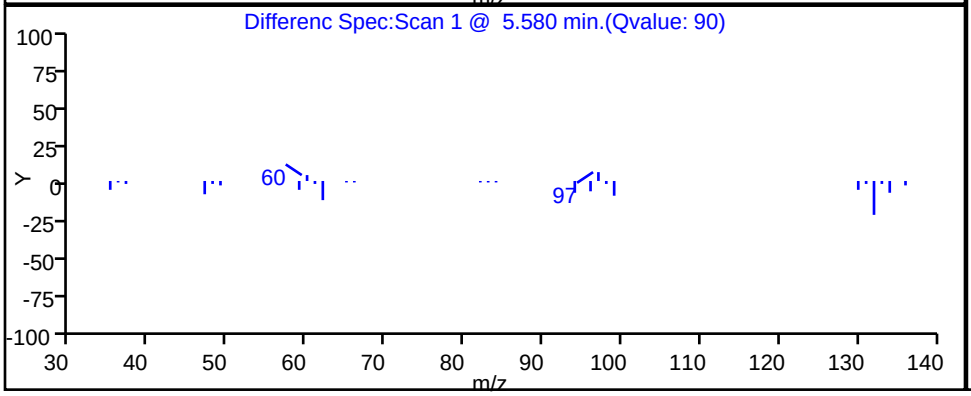












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S1 | Lab Sample ID: 480-101258-35

Matrix: Solid | Lab File ID: F7206.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:25

Sample wt/vol: 5(g) | Date Analyzed: 06/14/2016 13:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.8 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3.3	J	5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	J	5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.71
75-34-3	1,1-Dichloroethane	7.4		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	0.67	J	5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	250		27	4.6
71-43-2	Benzene	ND		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	3.4	J	5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.53
108-90-7	Chlorobenzene	ND		5.4	0.72
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.34
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	34		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	330	E	5.4	0.37
98-82-8	Isopropylbenzene	1.4	J *	5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S1 | Lab Sample ID: 480-101258-35

Matrix: Solid | Lab File ID: F7206.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:25

Sample wt/vol: 5(g) | Date Analyzed: 06/14/2016 13:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.8 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	7.9		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	1800	E	5.4	0.73
108-88-3	Toluene	310	E	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	960	E	5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	1200		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	64	X	72-126
2037-26-5	Toluene-d8 (Surr)	101		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D
Lims ID: 480-101258-A-35-B
Client ID: B103-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 13:00:30 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-35-B
Misc. Info.: 480-0054020-008
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 18:51:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 18:51:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.273	5.279	-0.006	98	180823	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	338387	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	120562	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	133700	51.2	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	736176	50.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	151357	32.1	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.010	3.022	-0.012	41	8679	1.88	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.101	3.101	0.000	98	344601	233.6	
26 Carbon disulfide	76	3.247	3.253	-0.006	99	51524	3.17	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.423	3.429	-0.006	85	55972	7.24	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96	3.606	3.612	-0.006	89	1880	0.3653	
39 1,1-Dichloroethane	63	3.934	3.940	-0.006	96	59362	6.79	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	80	174534	31.1	
50 Chloroform	83	4.616	4.616	-0.006	1	2644	0.2772	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	40	25513	3.03	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62	5.108	5.108	0.006	1	4517	0.6146	M
62 Trichloroethene	95	5.583	5.583	0.000	93	4767215	886.3	E
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.708	6.714	-0.006	96	3405526	290.3	E
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.232	7.231	0.001	77	8489889	1671.0	E
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91	8.181	8.180	0.001	94	6653414	303.7	E
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	68	8184746	959.5	E
91 o-Xylene	106	8.728	8.728	0.000	97	1834731	222.4	E
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105	9.099	9.093	0.006	96	11111	1.33	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1				0		1182.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 14-Jun-2016 18:51:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35	Worklist Smp#:	8
Client ID:	B103-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D
Lims ID: 480-101258-A-35-B
Client ID: B103-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 13:00:30 ALS Bottle#: 2 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-35-B
Misc. Info.: 480-0054020-008
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 18:51:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 18:51:52

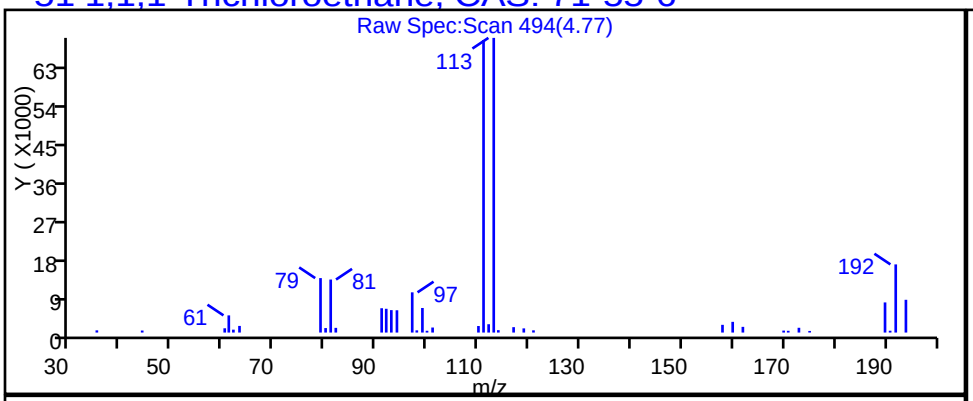
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	51.2	102.38
$ 5 Toluene-d8 (Surr)	50.0	50.3	100.64
$ 6 4-Bromofluorobenzene (Surr)	50.0	32.1	64.29

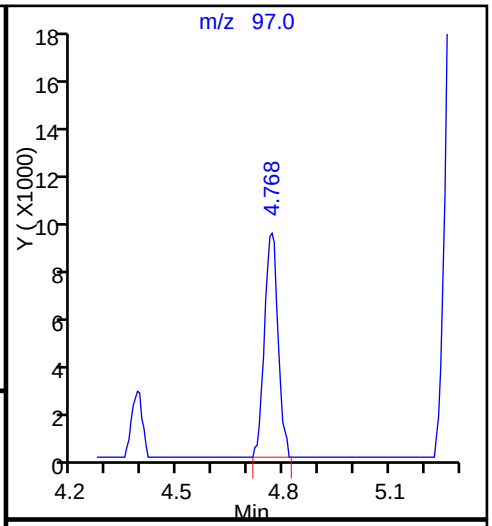
TestAmerica Buffalo

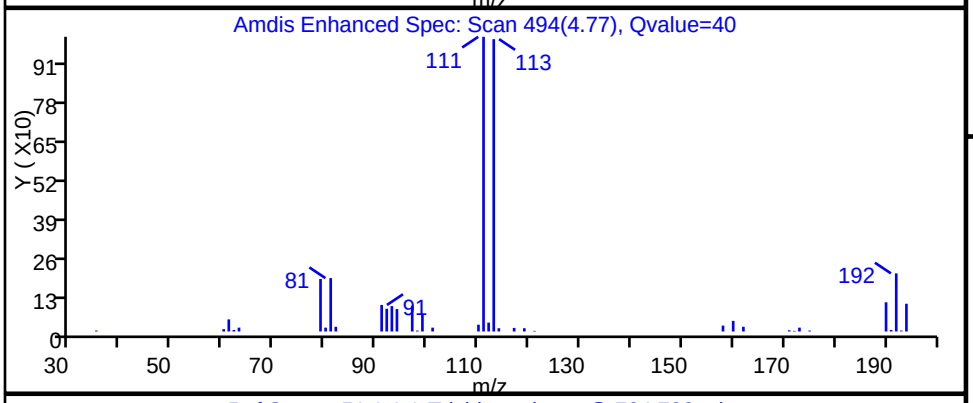
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

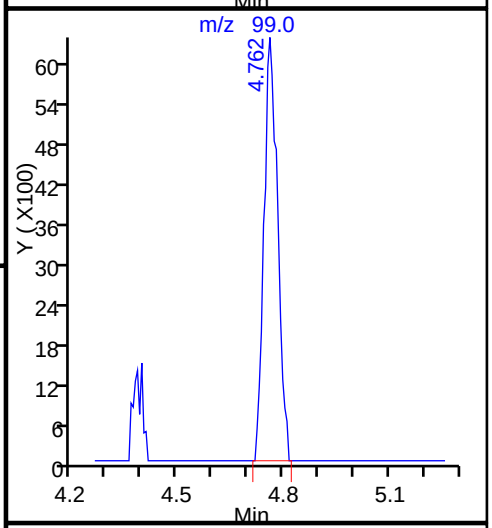
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	2 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

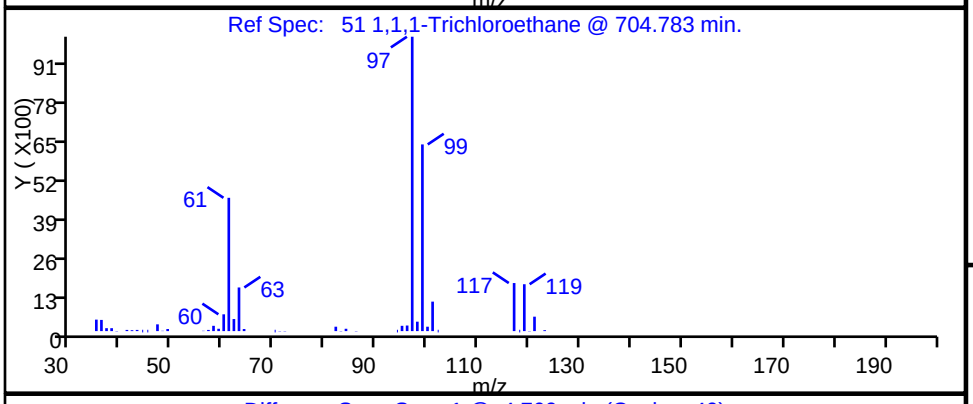
51 1,1,1-Trichloroethane, CAS: 71-55-6

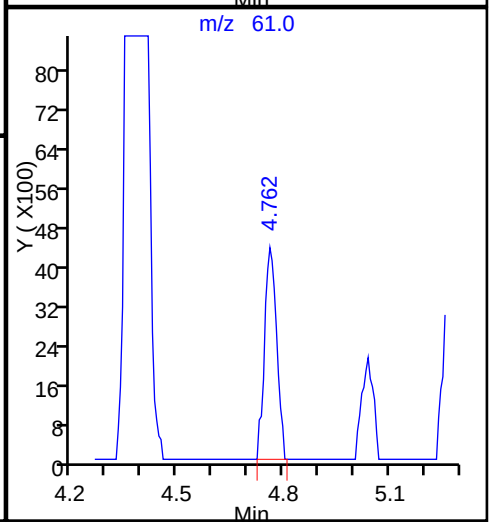


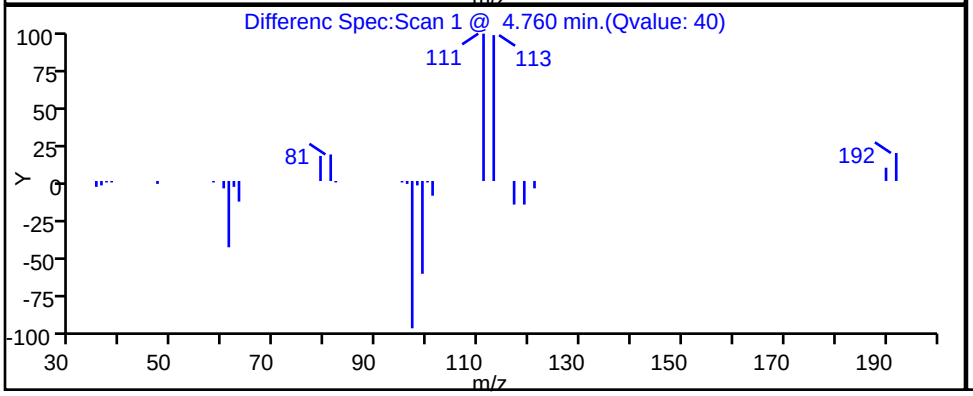












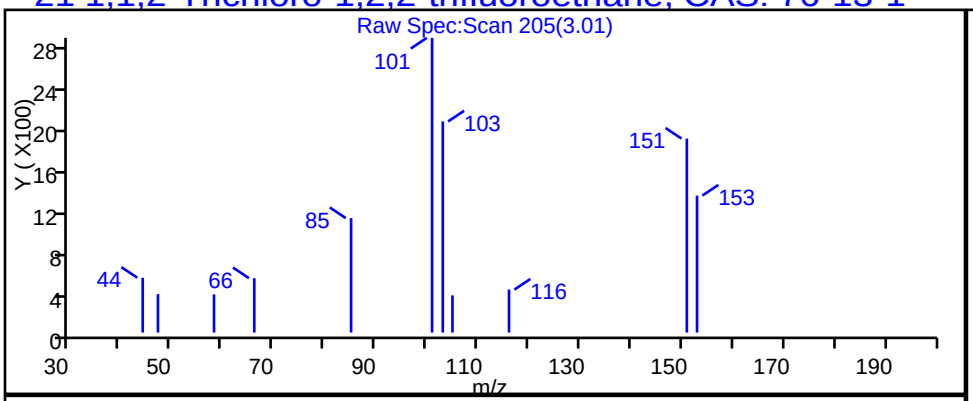
Report Date: 14-Jun-2016 18:51:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

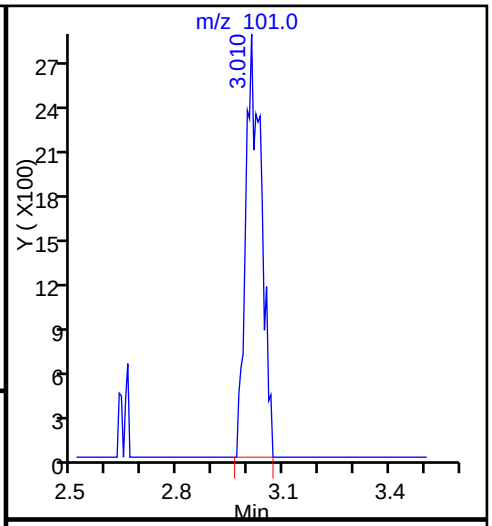
TestAmerica Buffalo

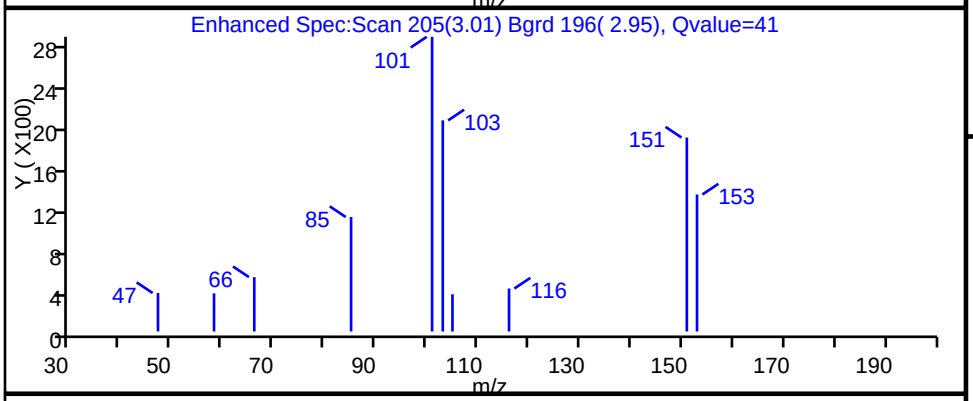
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

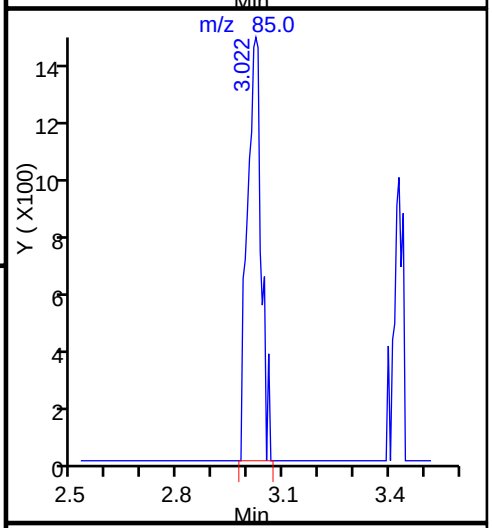
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

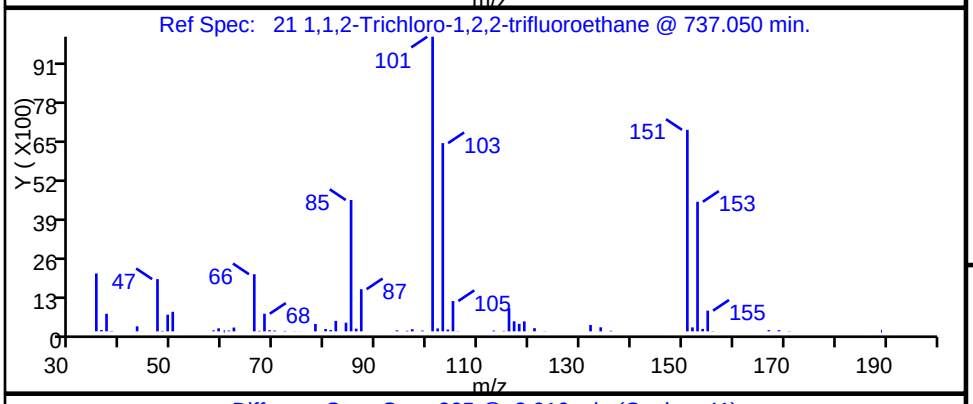
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

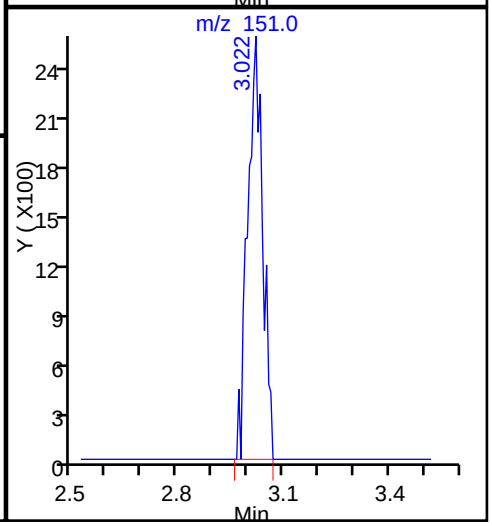


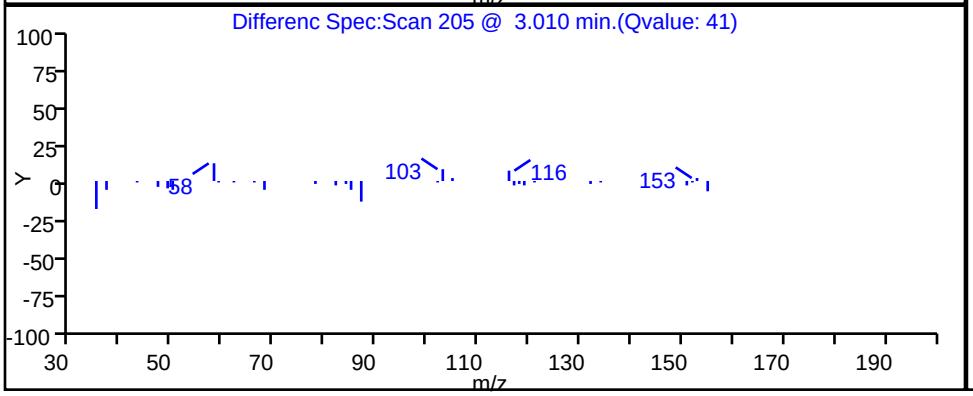












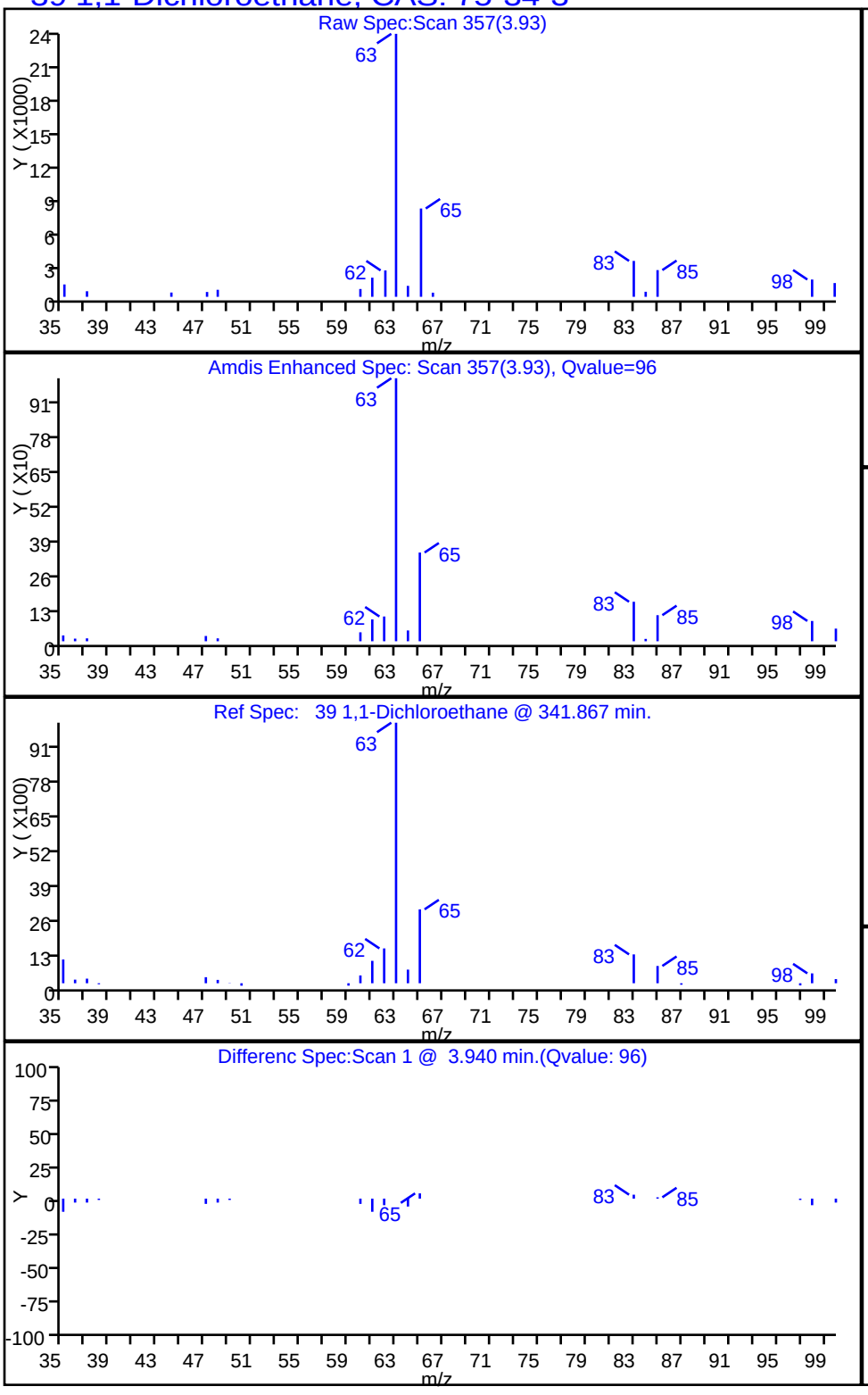
Report Date: 14-Jun-2016 18:51:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

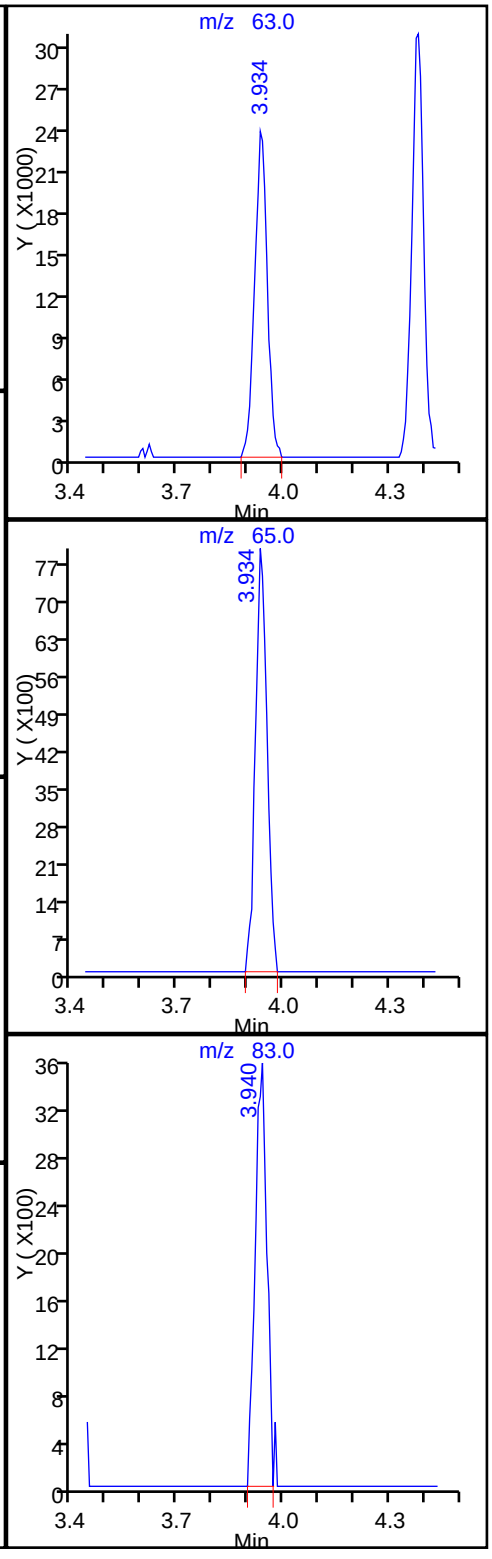
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

39 1,1-Dichloroethane, CAS: 75-34-3



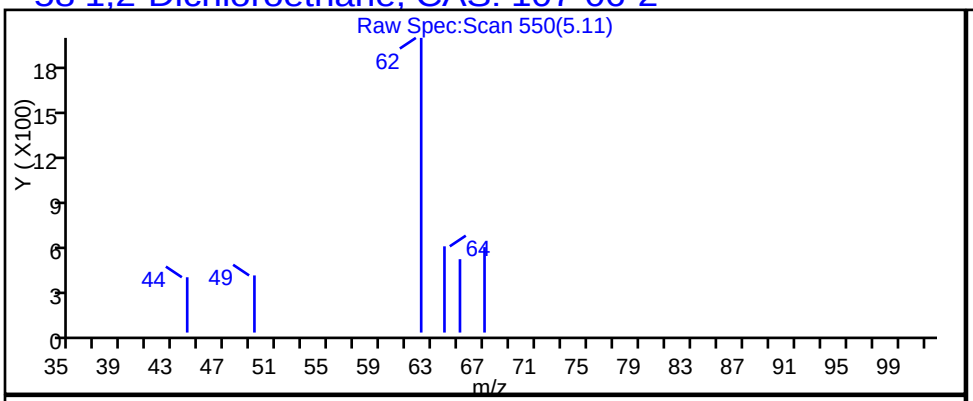


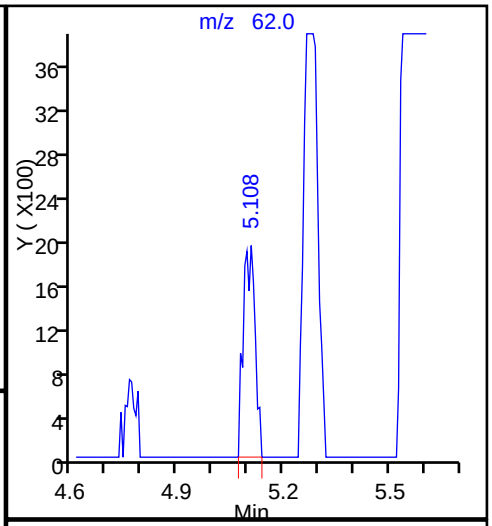
TestAmerica Buffalo

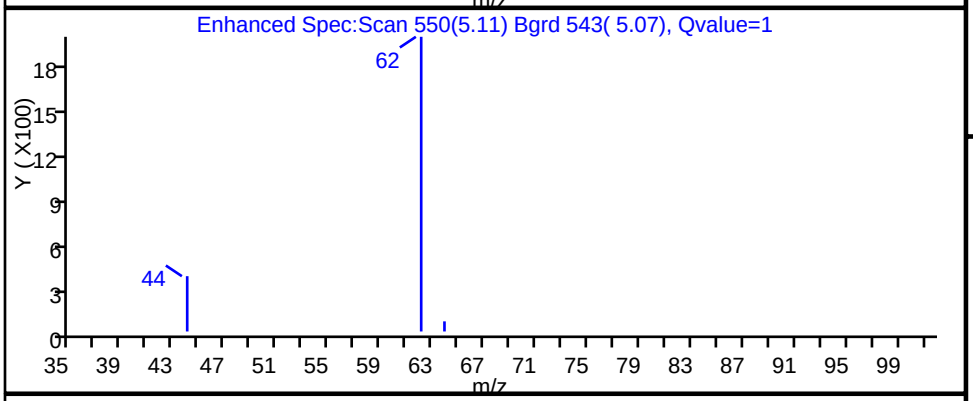
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

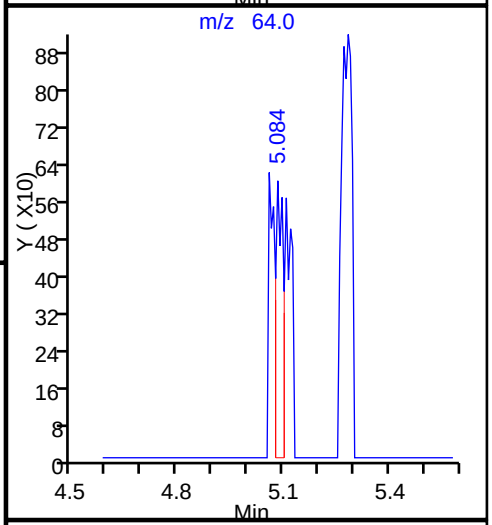
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	2 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

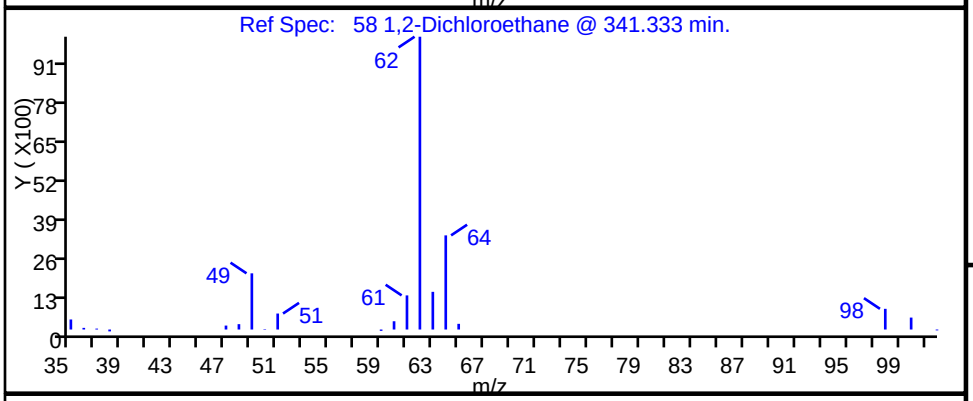
58 1,2-Dichloroethane, CAS: 107-06-2

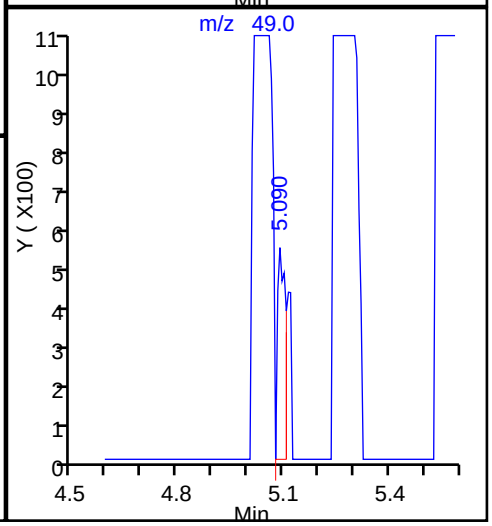


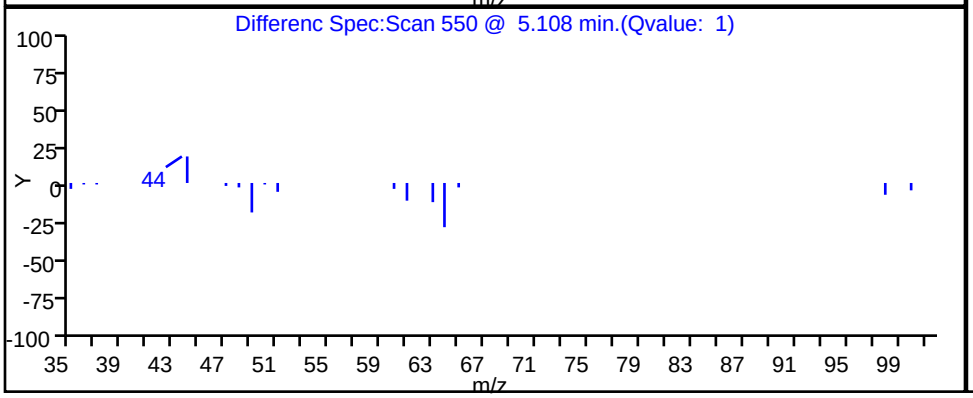












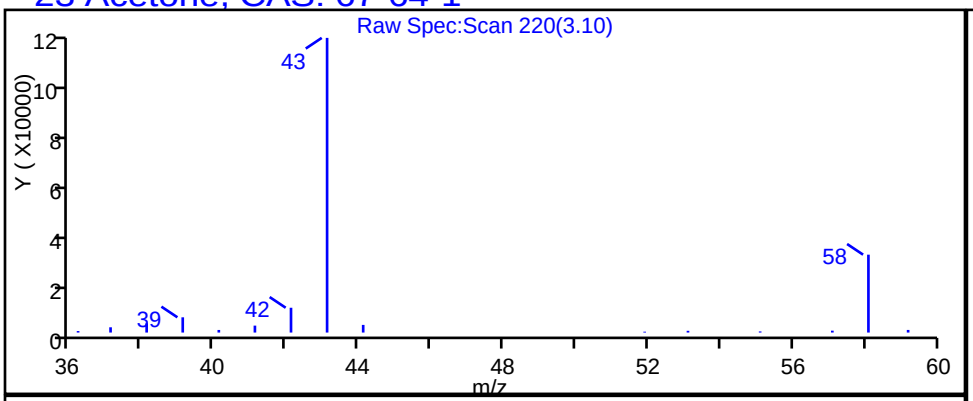
Report Date: 14-Jun-2016 18:51:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

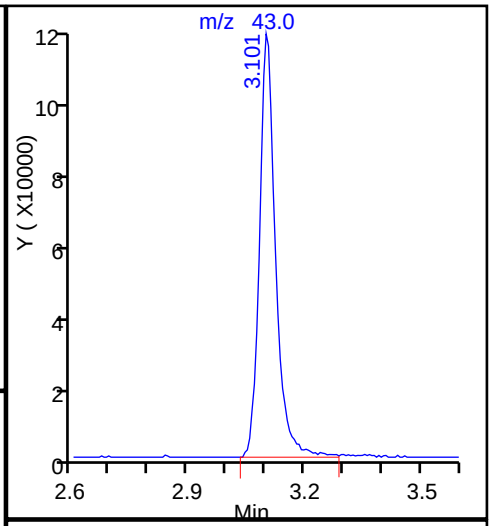
TestAmerica Buffalo

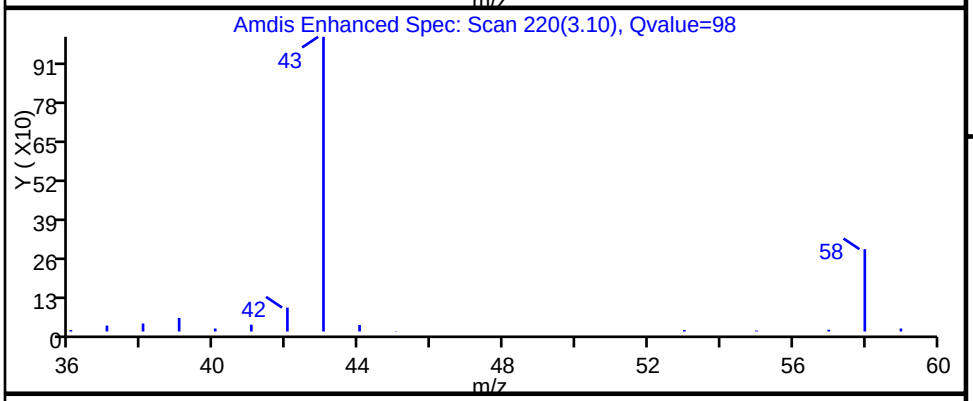
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

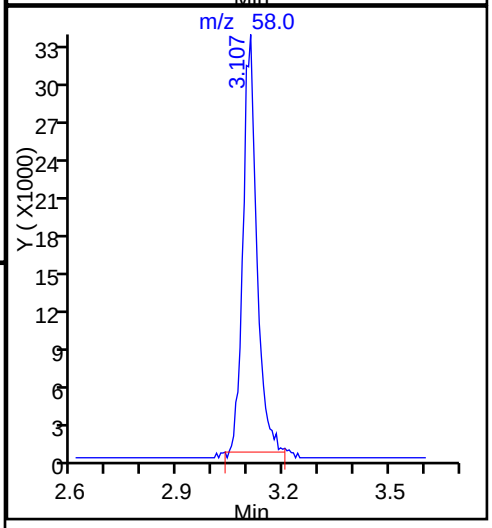
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

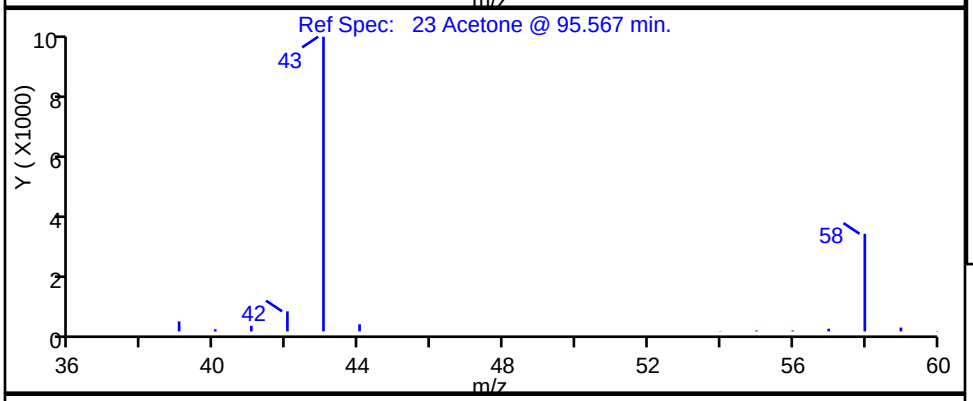
23 Acetone, CAS: 67-64-1

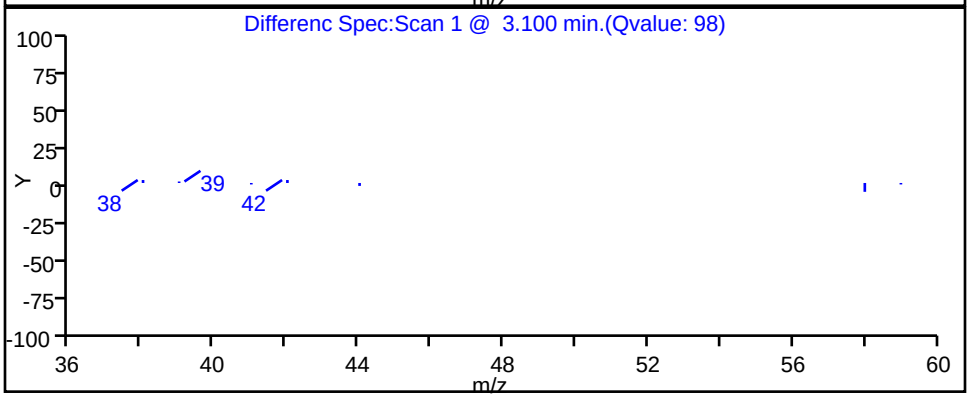










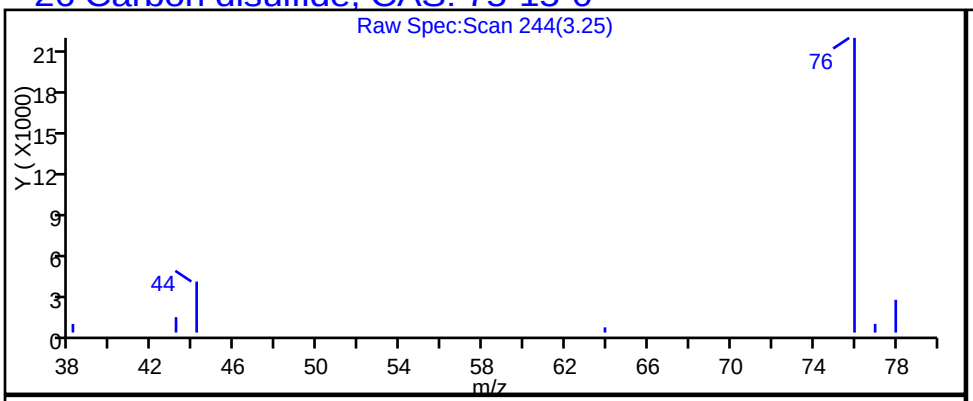


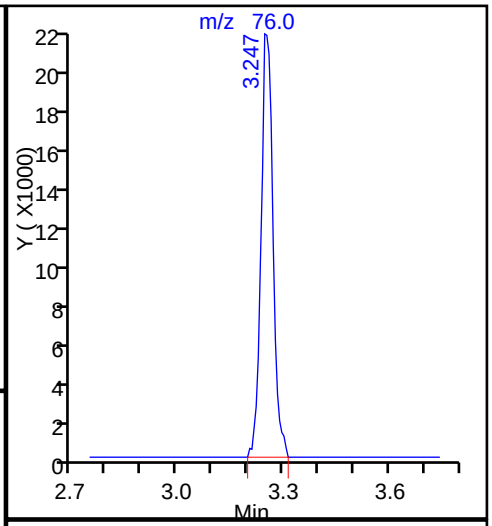
TestAmerica Buffalo

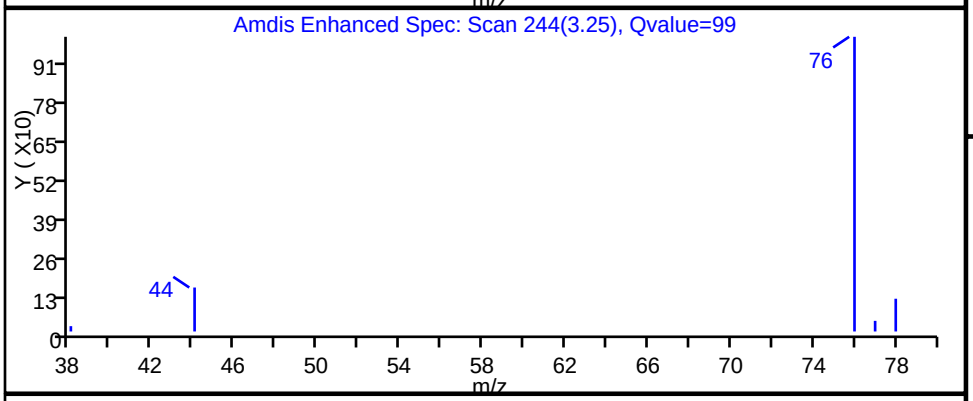
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

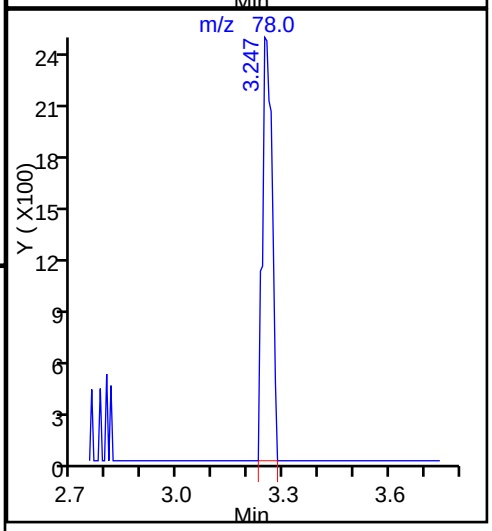
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

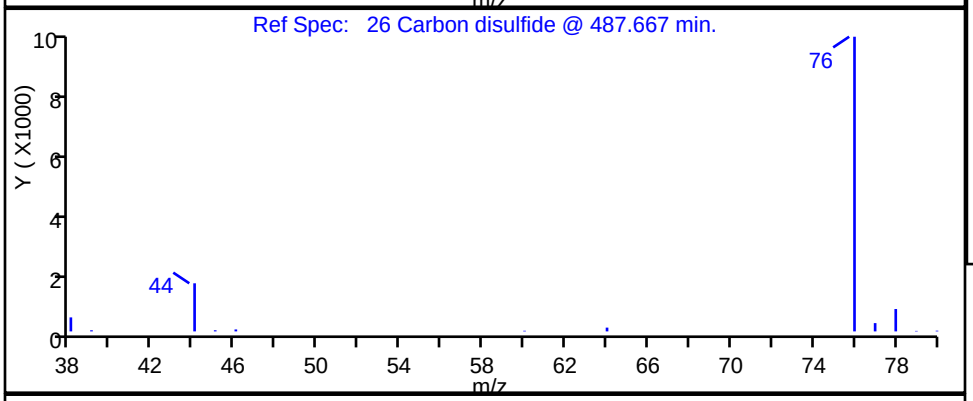
26 Carbon disulfide, CAS: 75-15-0

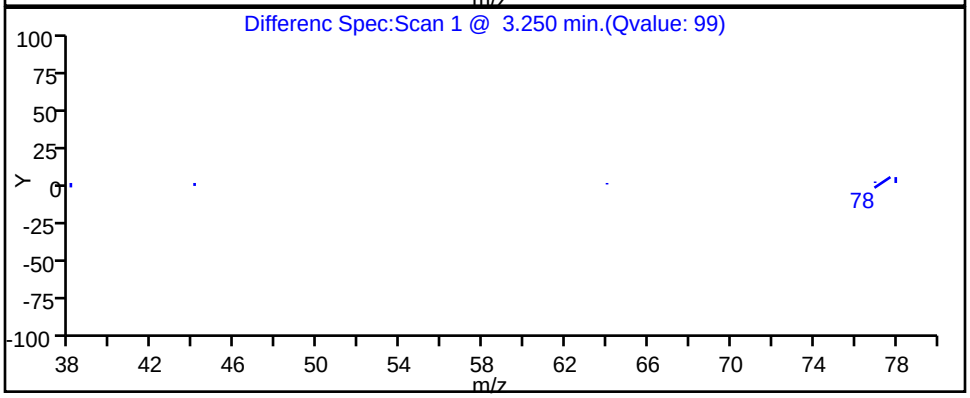












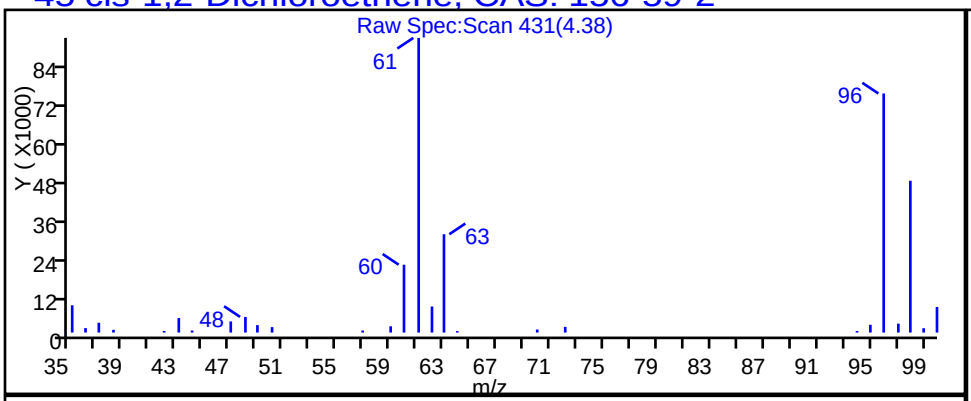
Report Date: 14-Jun-2016 18:51:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

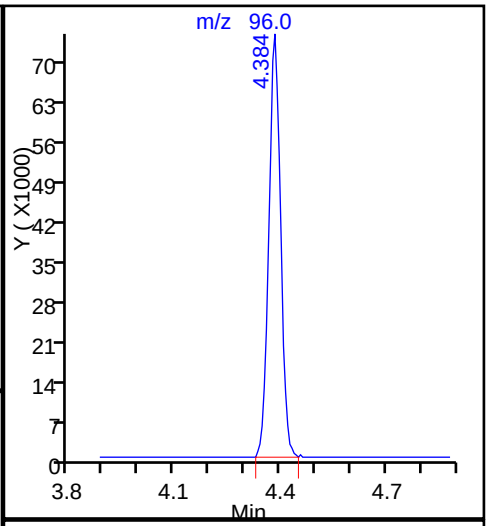
TestAmerica Buffalo

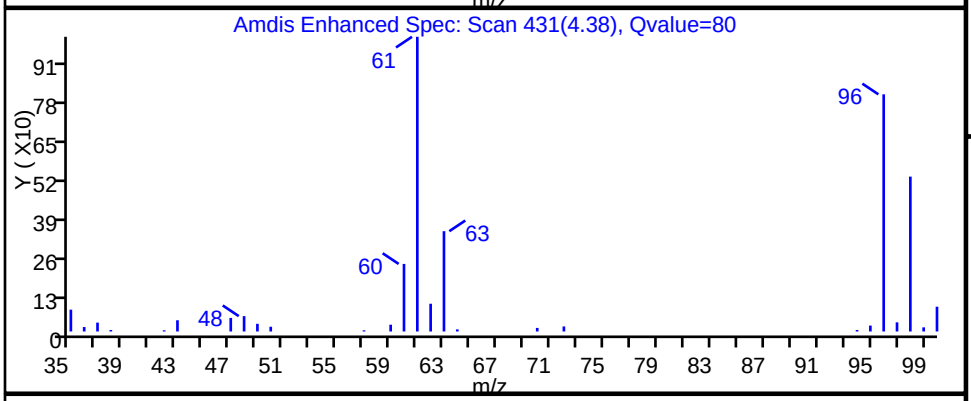
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

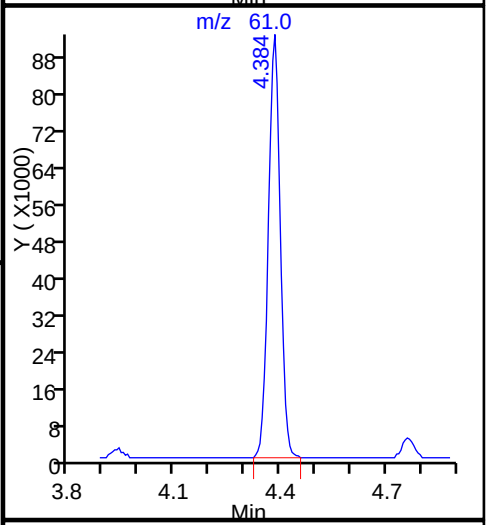
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

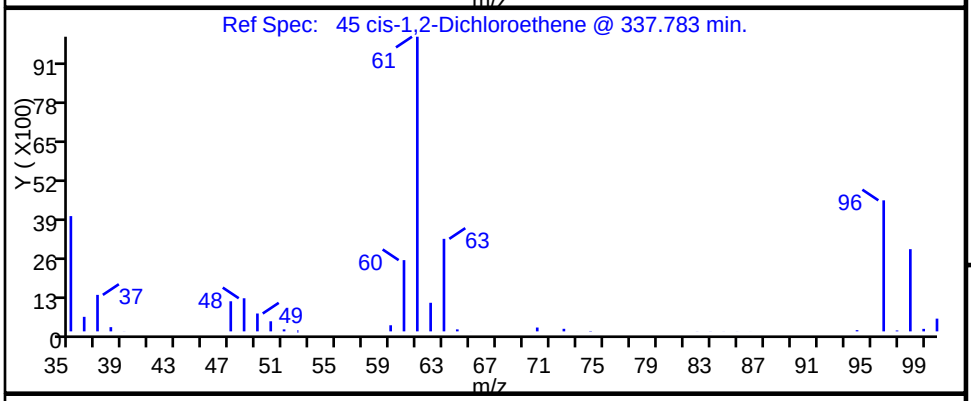
45 cis-1,2-Dichloroethene, CAS: 156-59-2

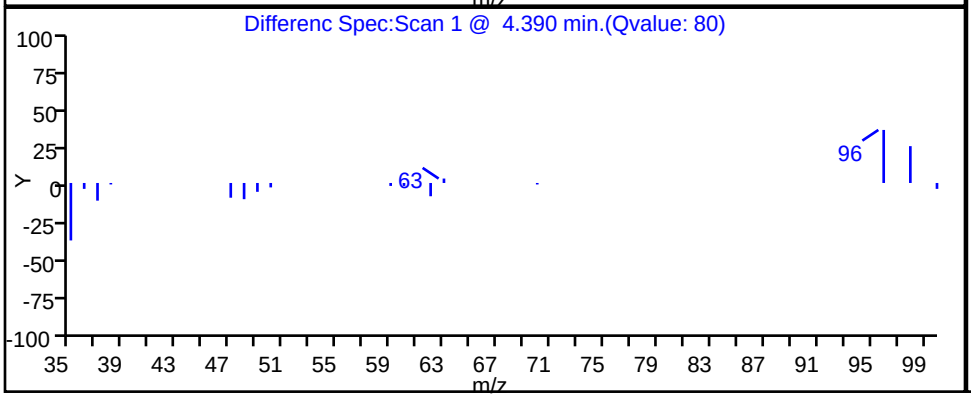


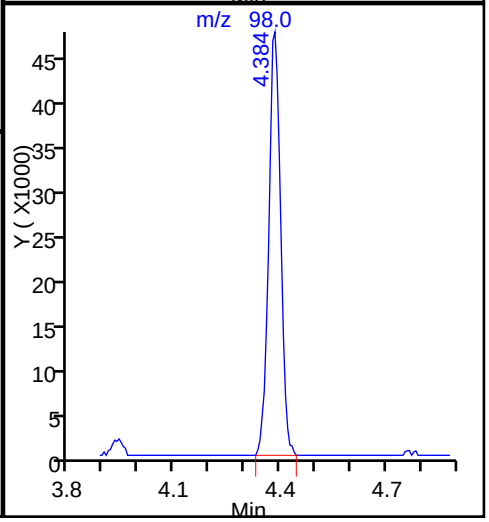










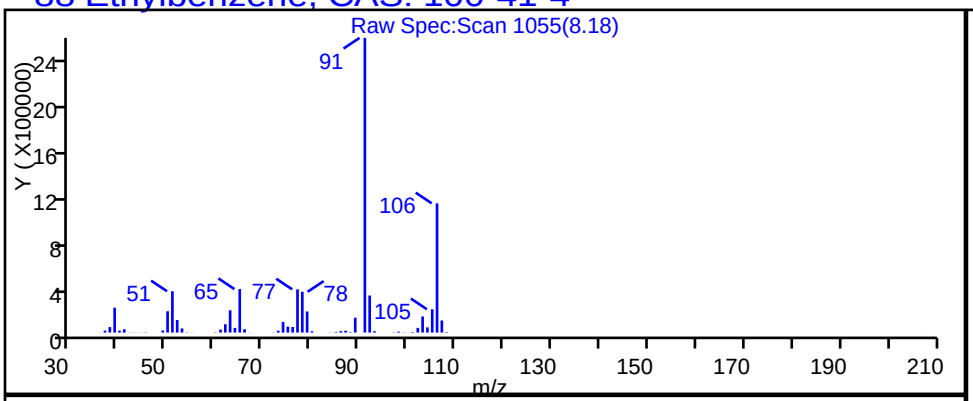


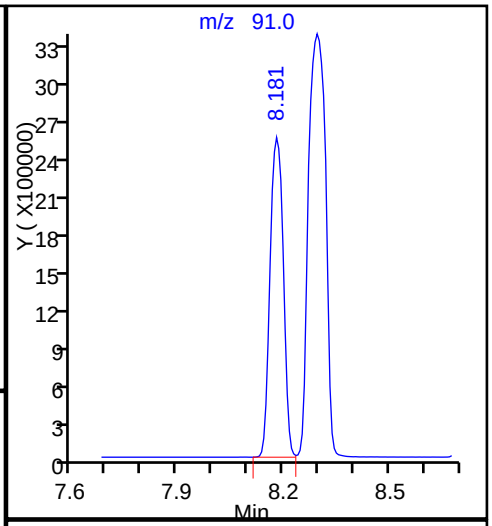
TestAmerica Buffalo

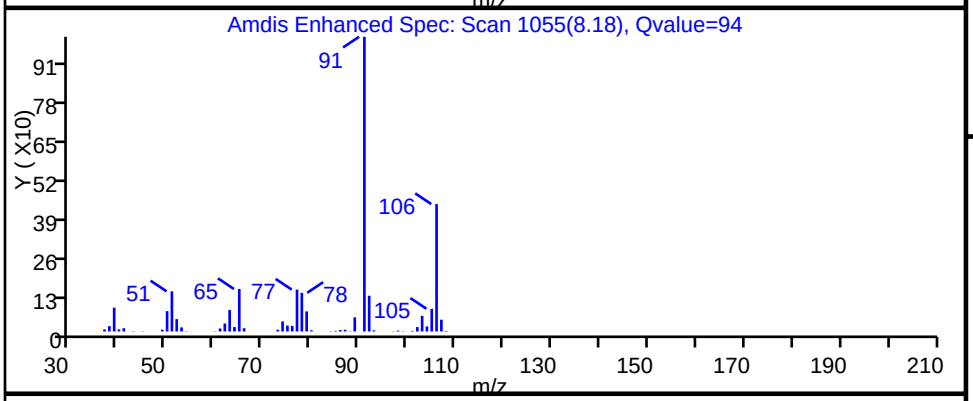
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

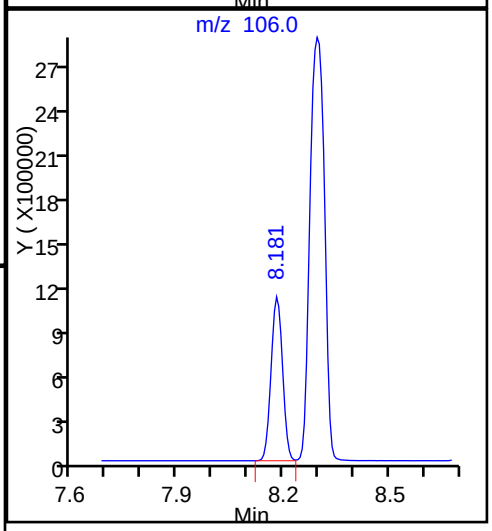
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	2 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

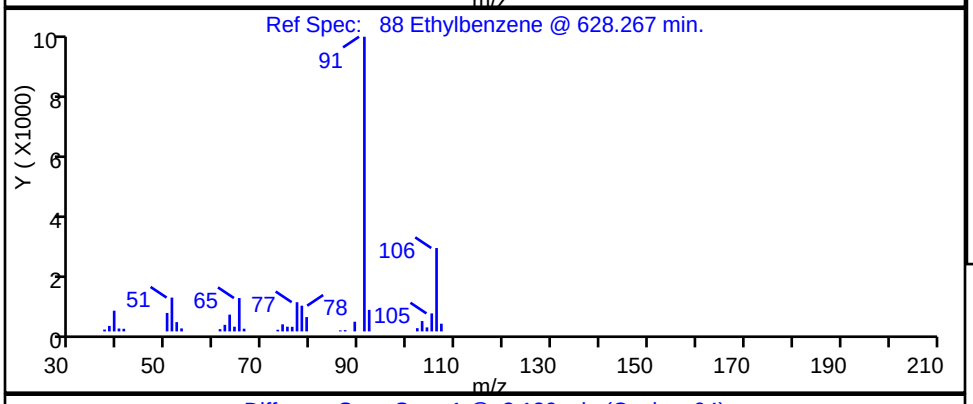
88 Ethylbenzene, CAS: 100-41-4

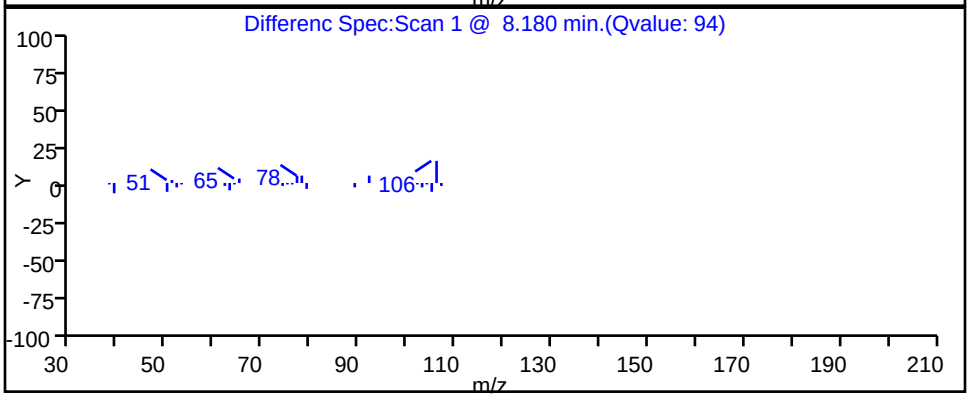












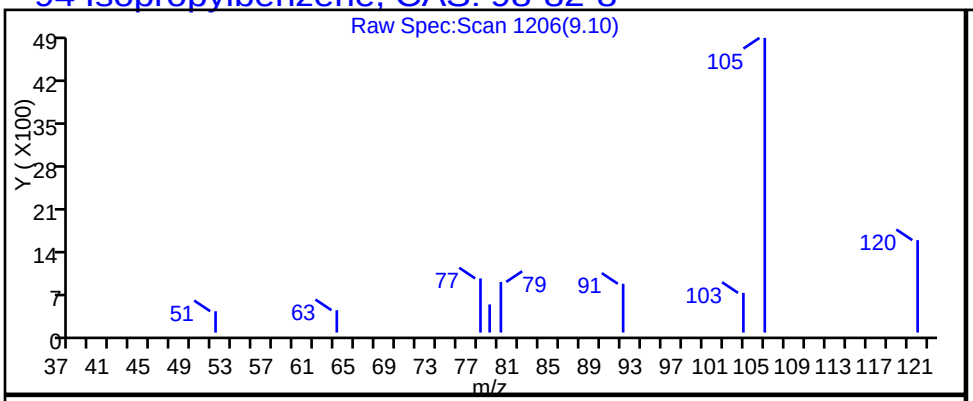
Report Date: 14-Jun-2016 18:51:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

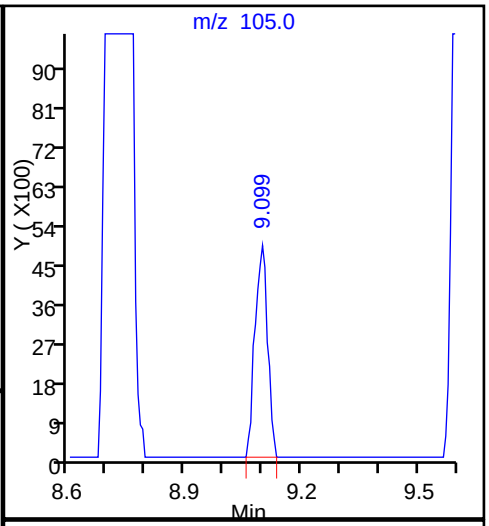
TestAmerica Buffalo

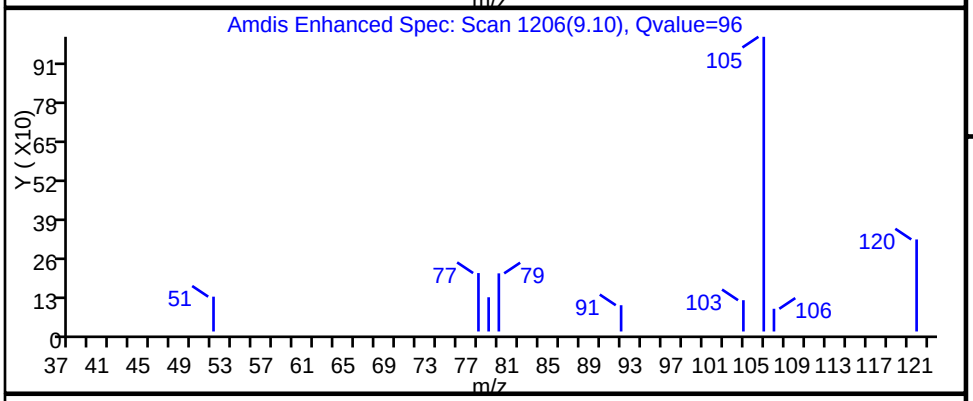
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

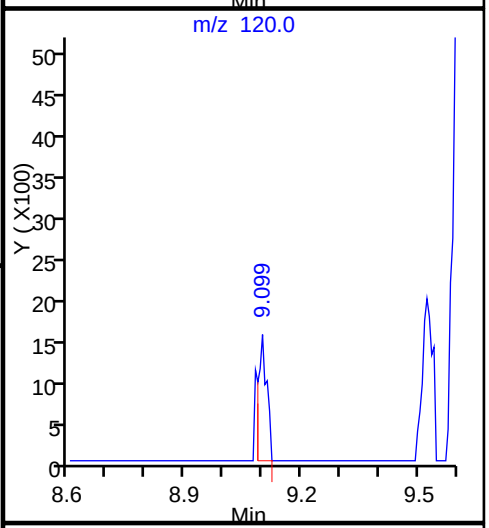
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	2 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

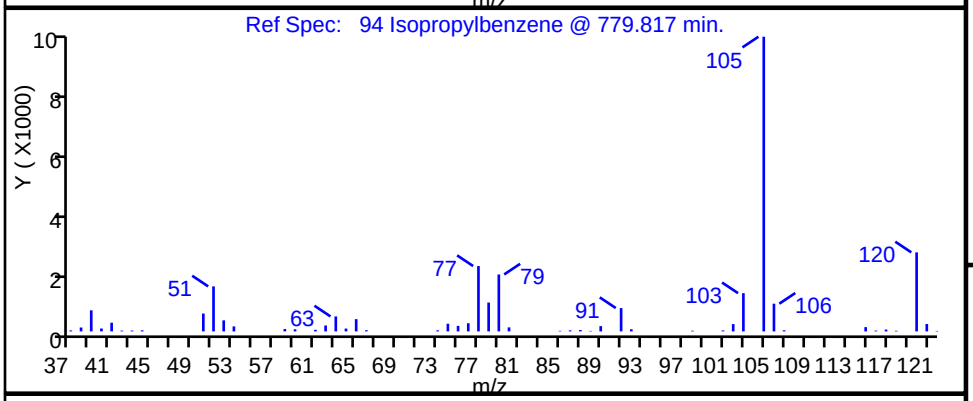
94 Isopropylbenzene, CAS: 98-82-8

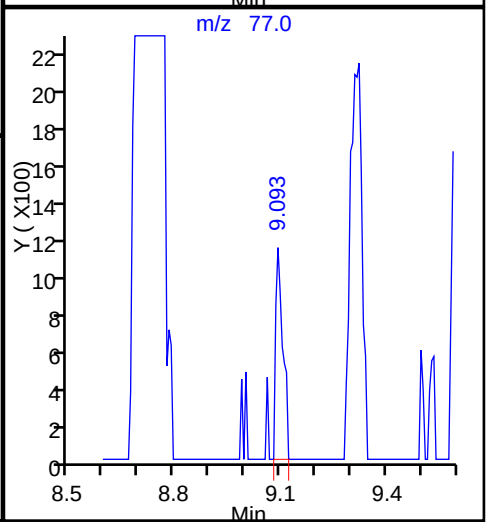


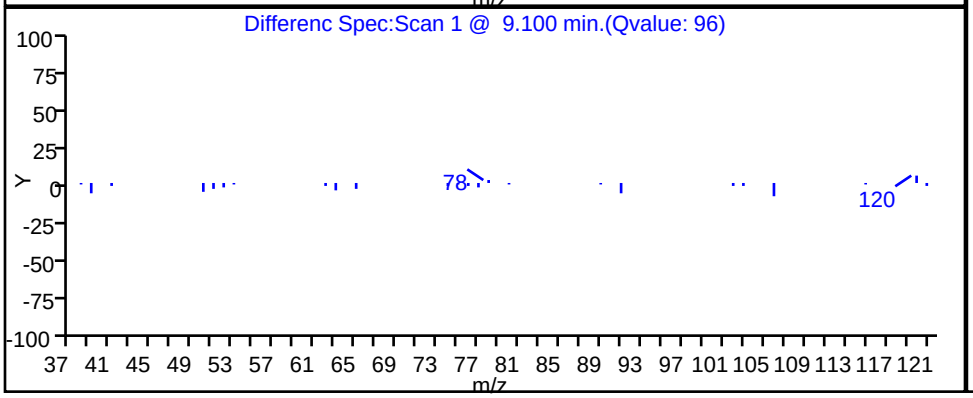












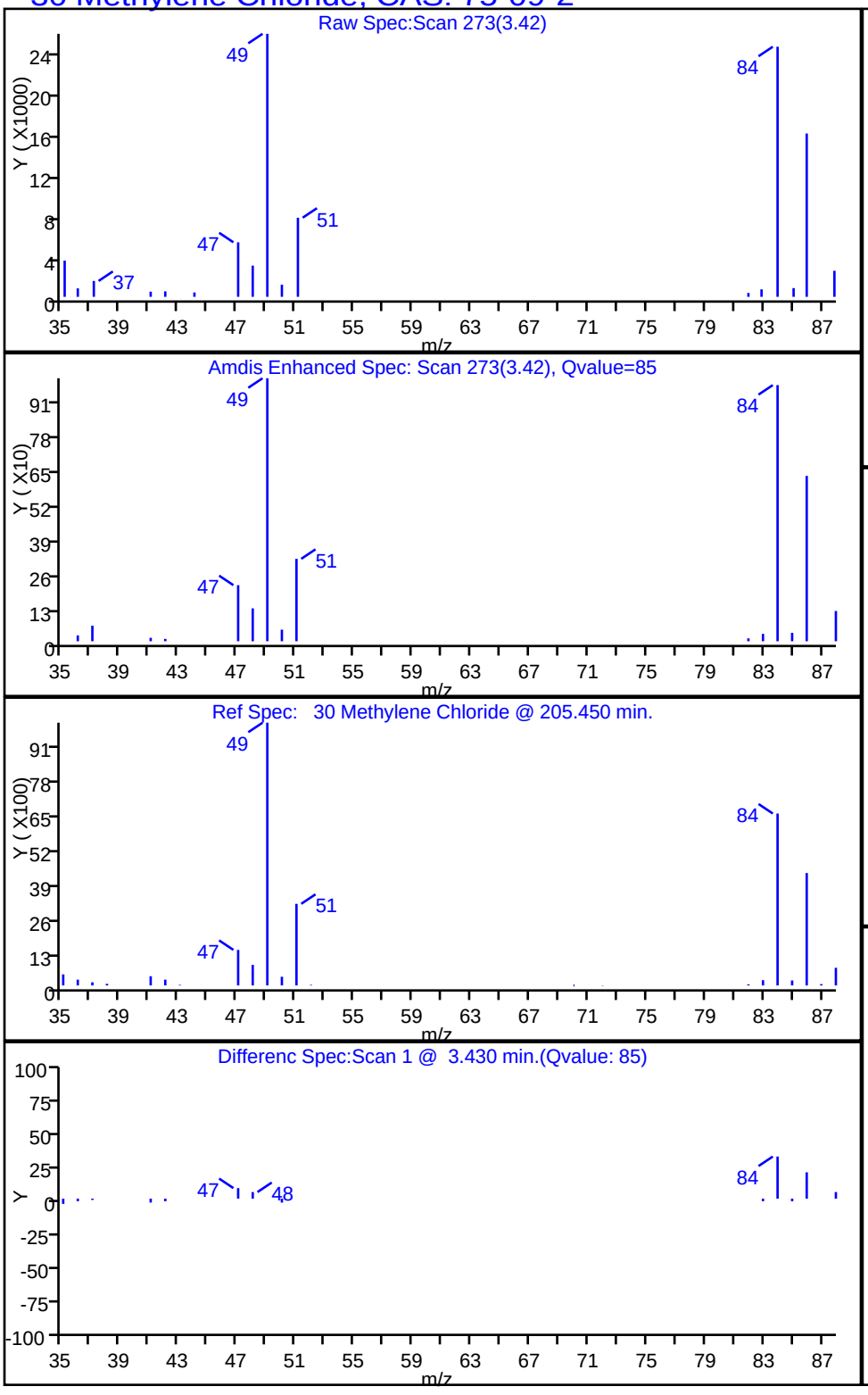
Report Date: 14-Jun-2016 18:51:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

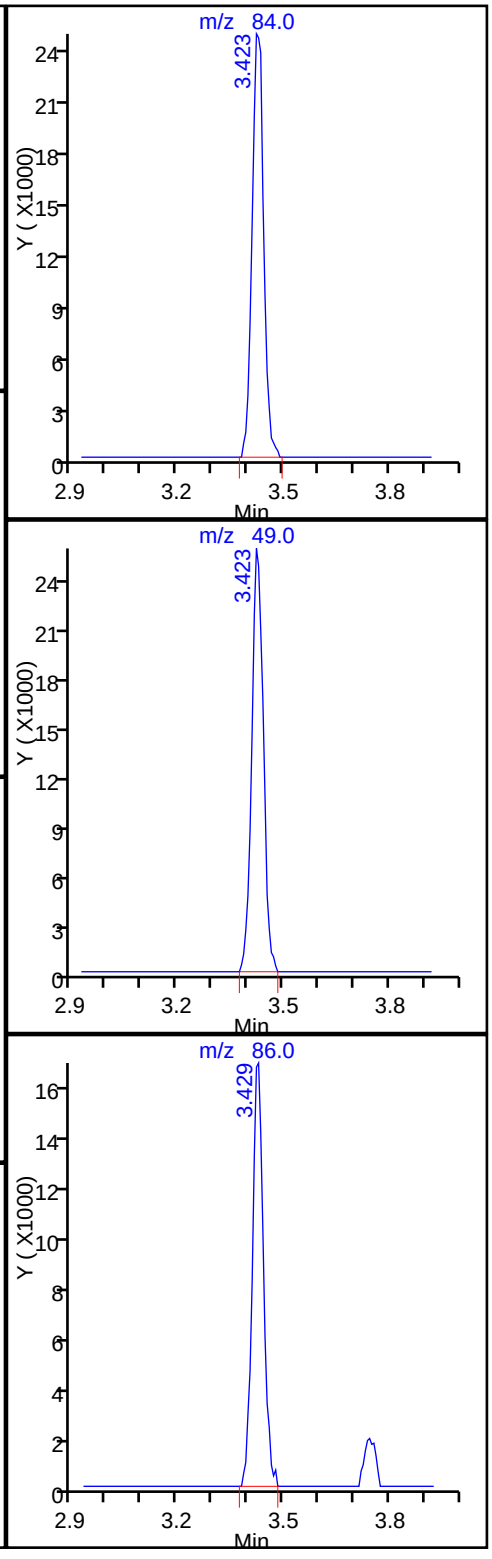
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2



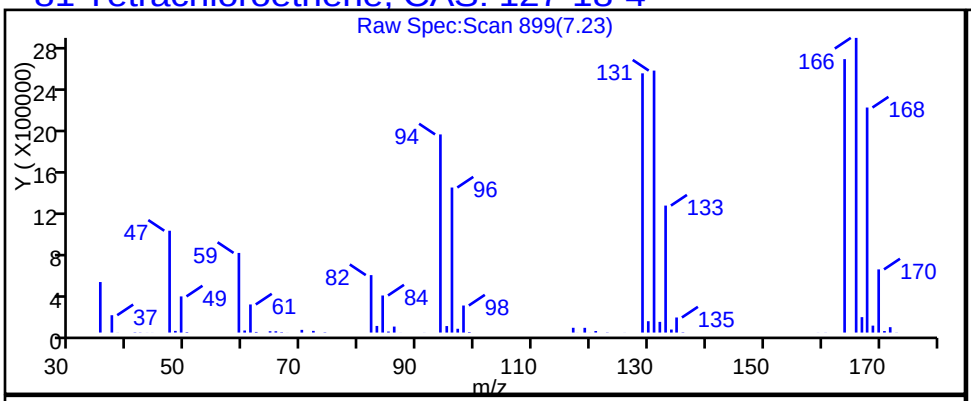


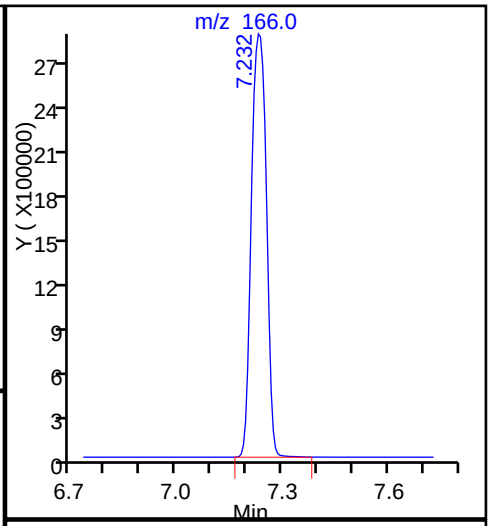
TestAmerica Buffalo

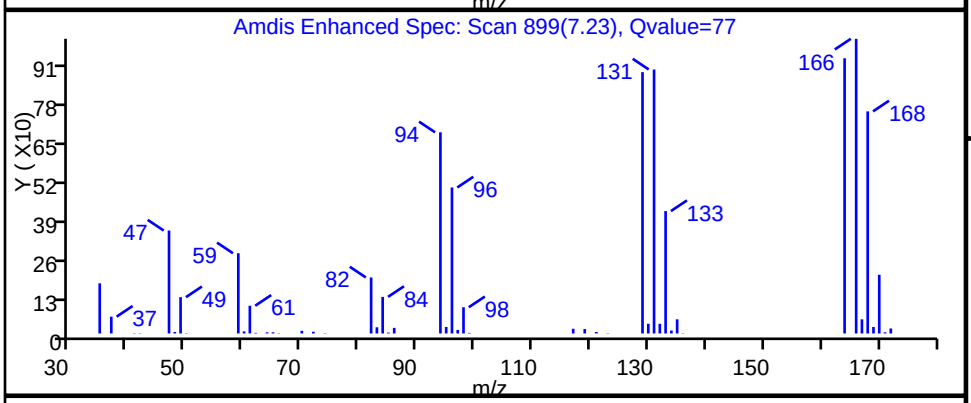
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

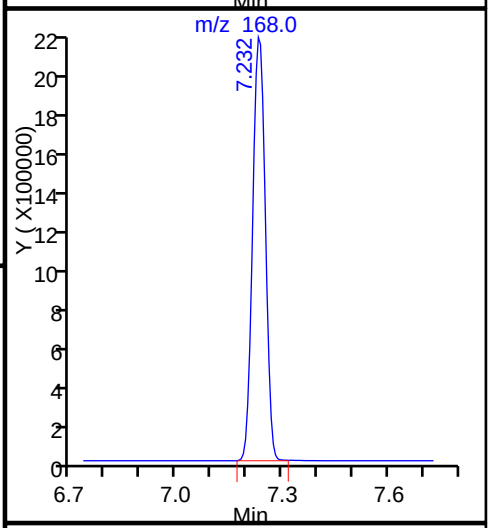
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

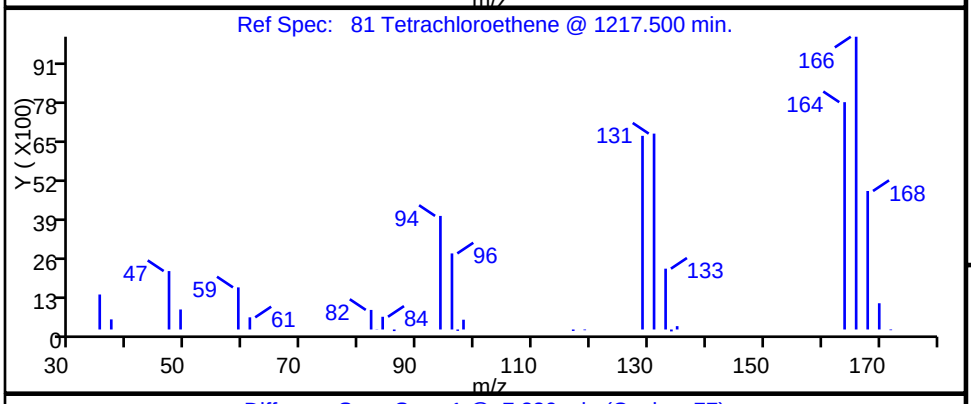
81 Tetrachloroethene, CAS: 127-18-4

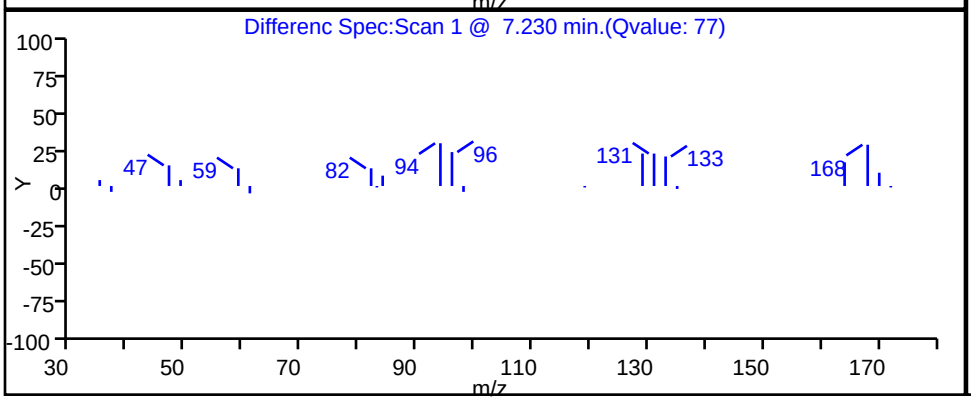


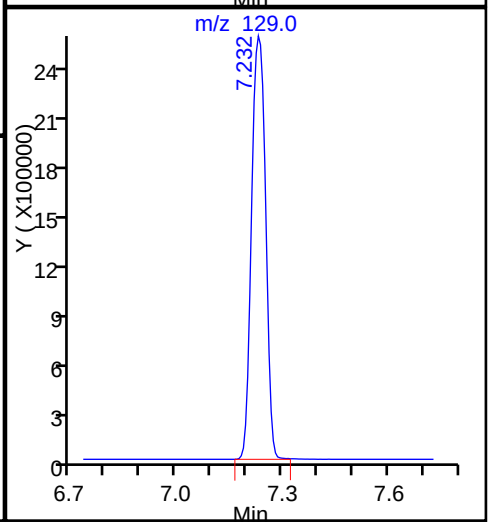










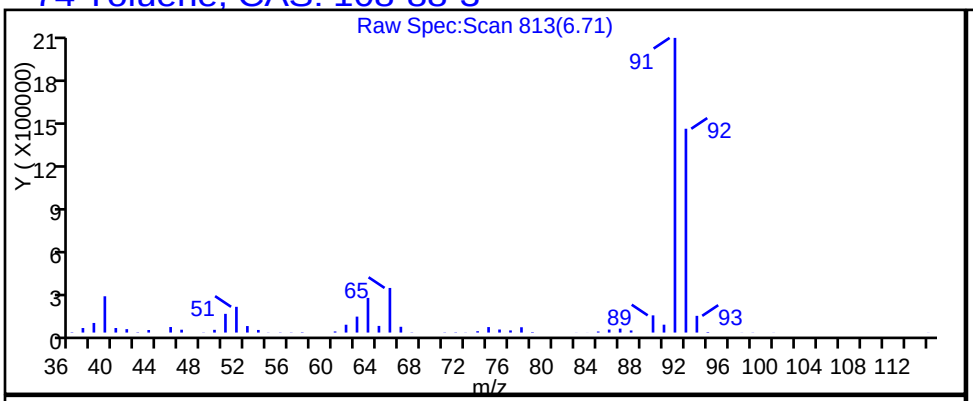


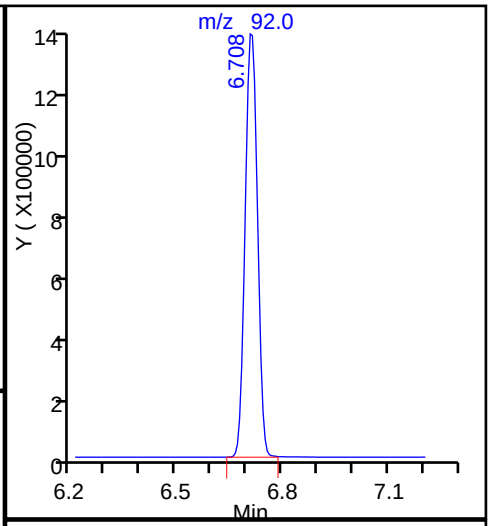
TestAmerica Buffalo

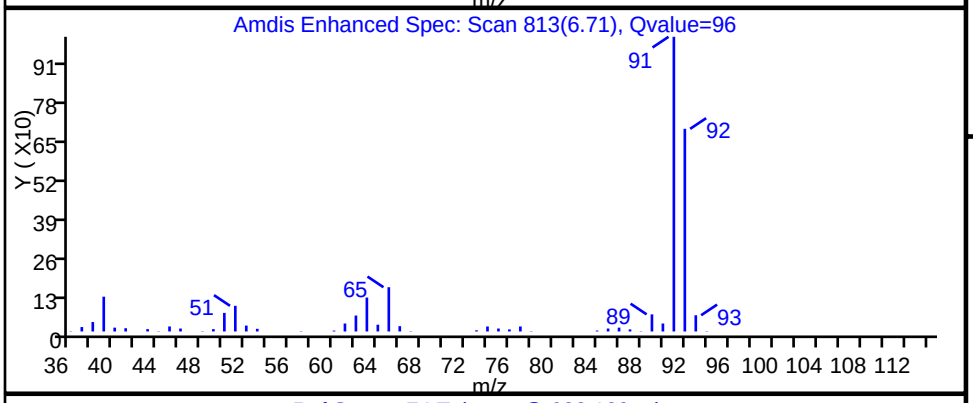
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

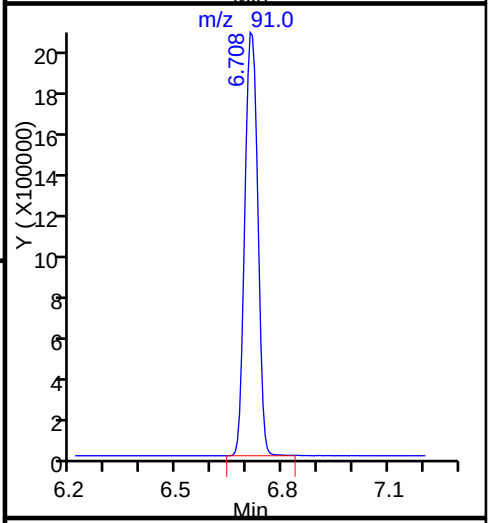
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

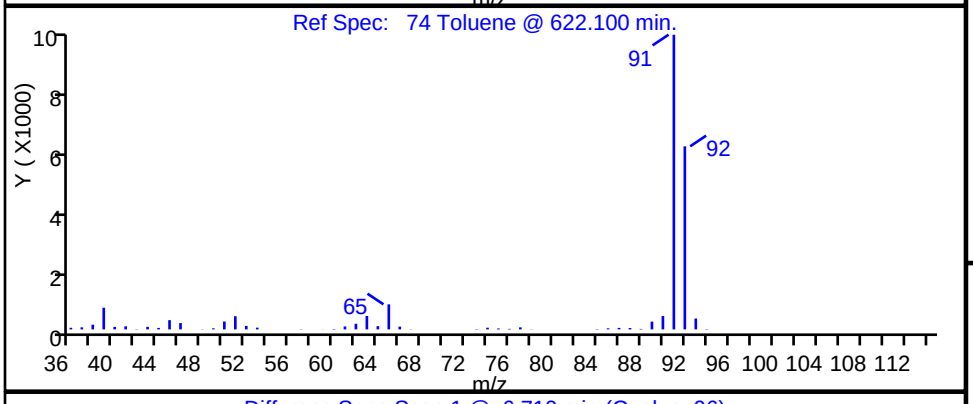
74 Toluene, CAS: 108-88-3

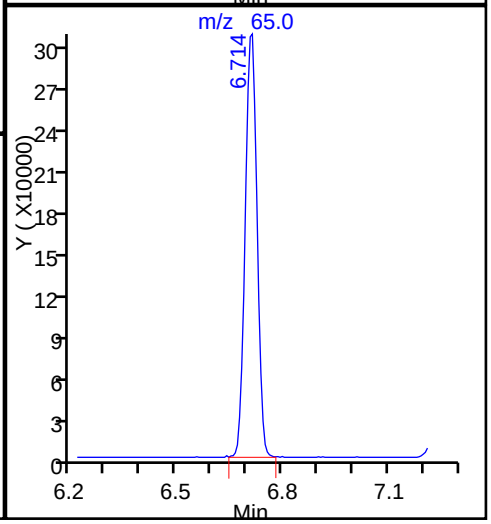


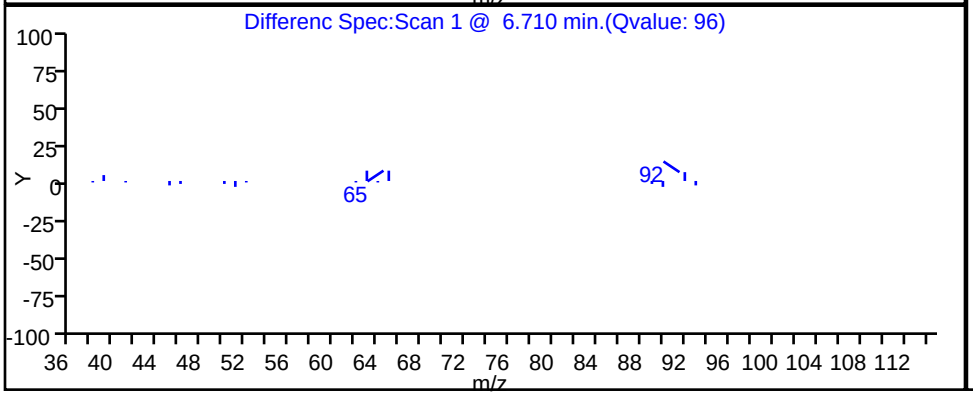












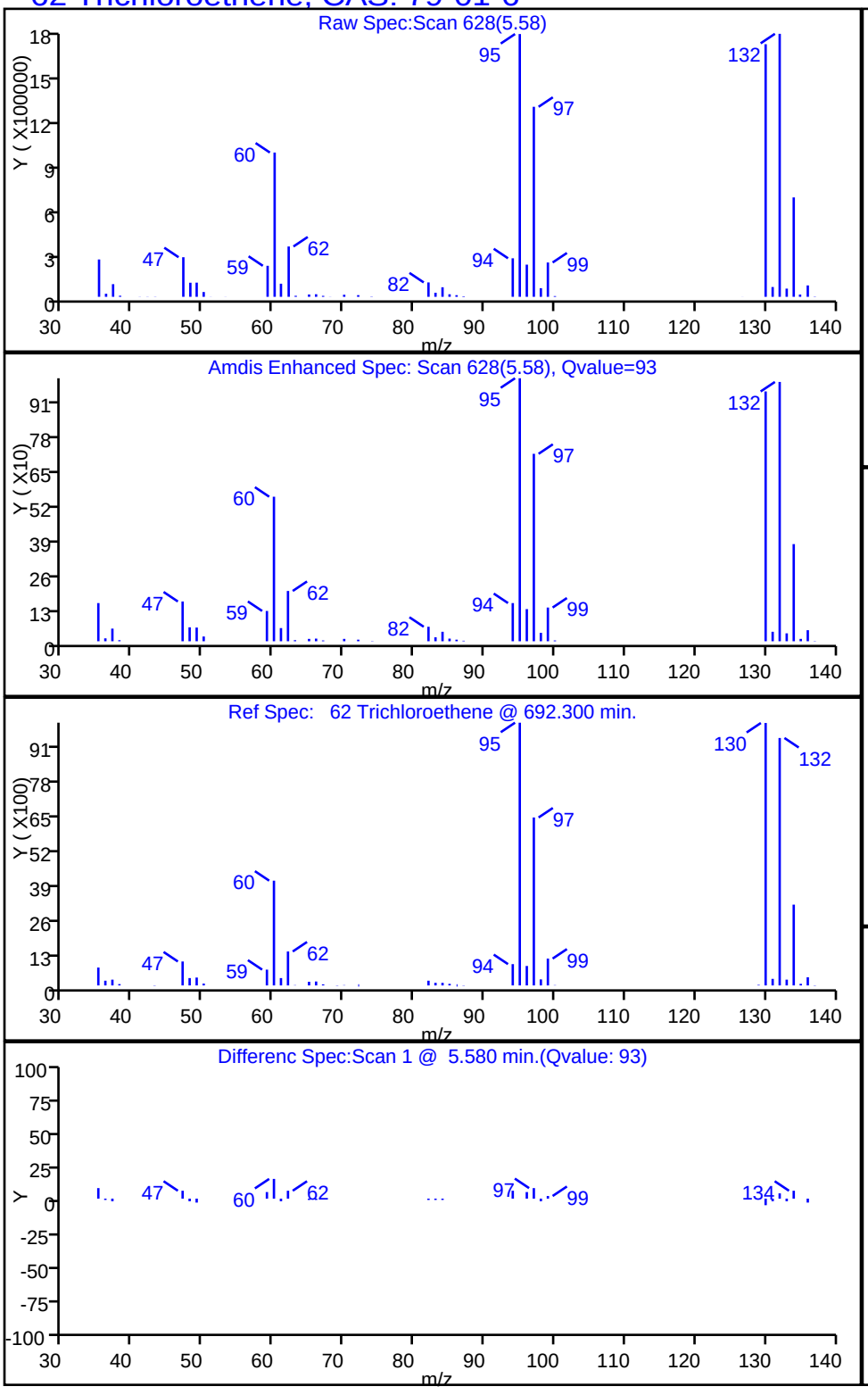
Report Date: 14-Jun-2016 18:51:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

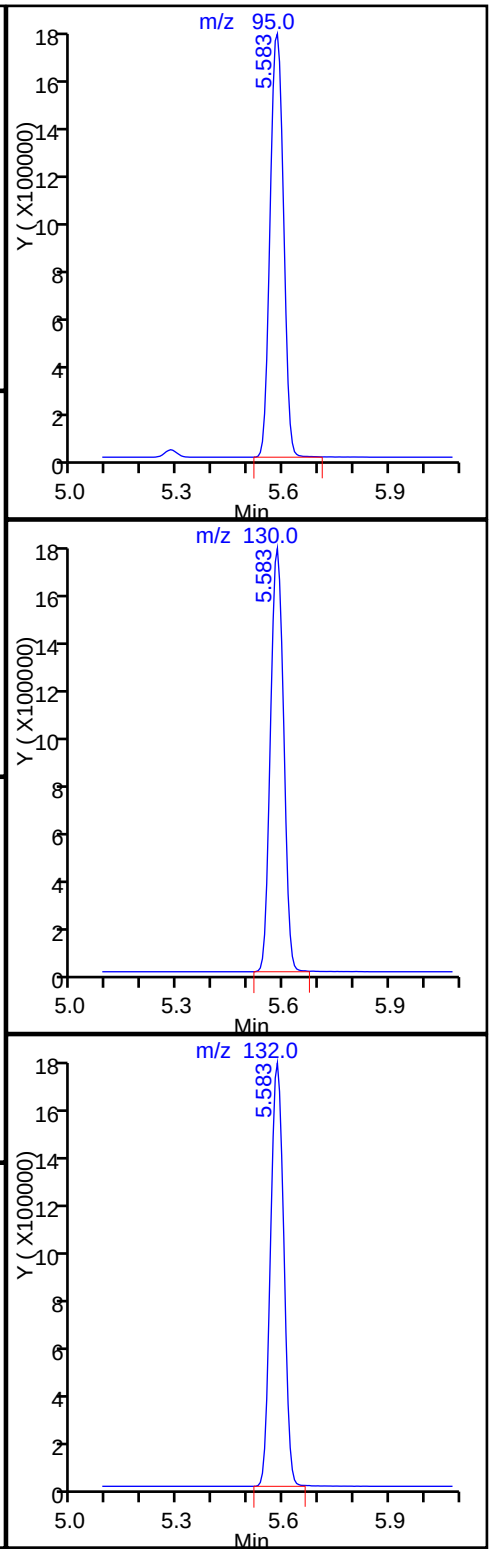
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	2 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6





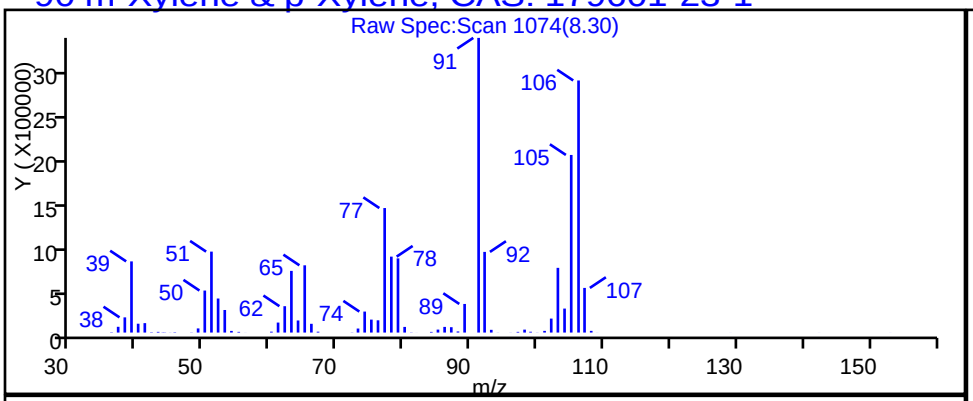
Report Date: 14-Jun-2016 18:51:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

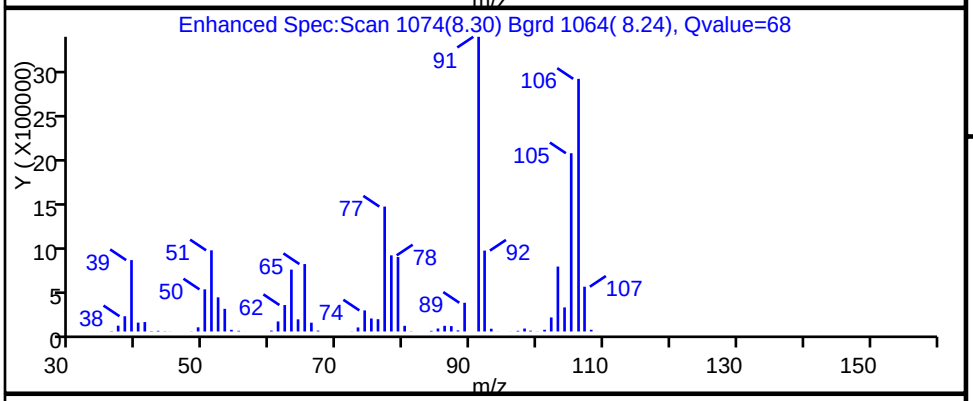
TestAmerica Buffalo

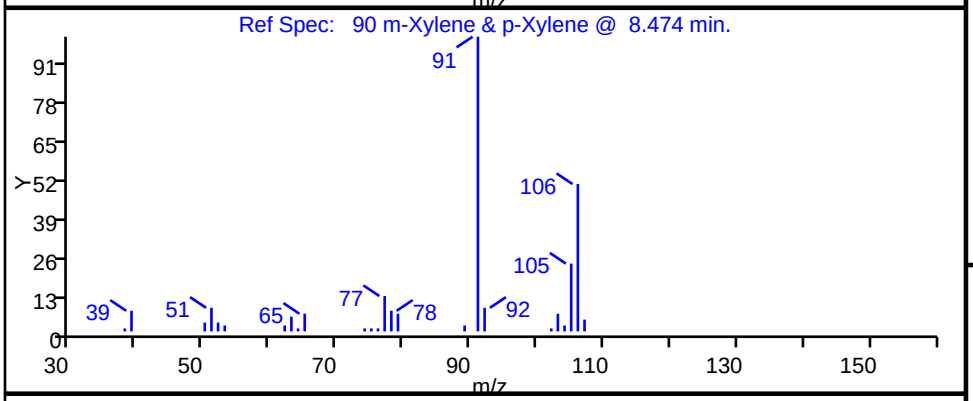
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

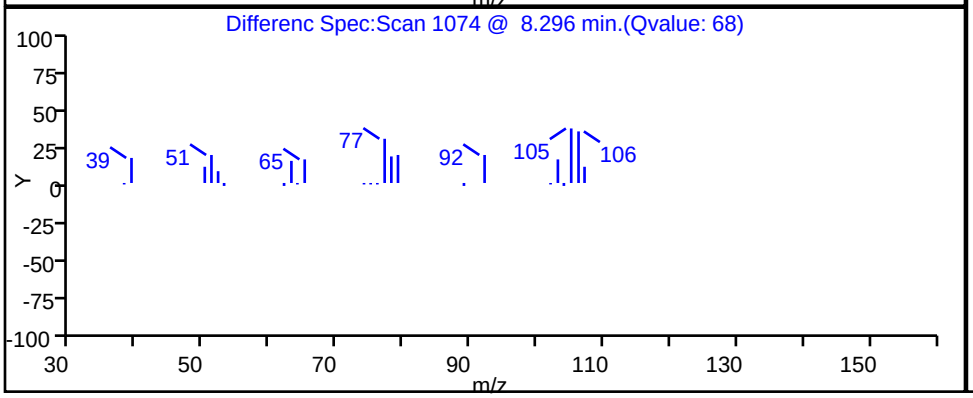
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

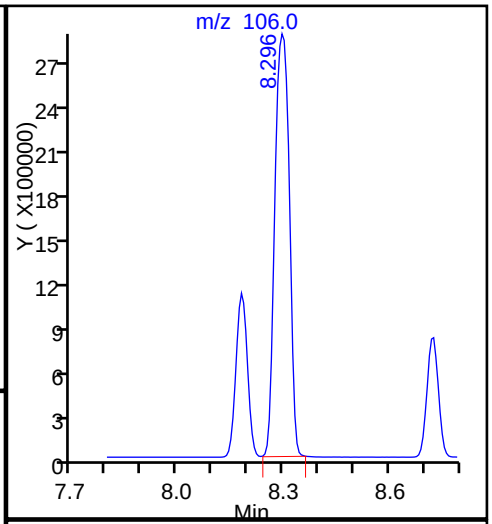
90 m-Xylene & p-Xylene, CAS: 179601-23-1

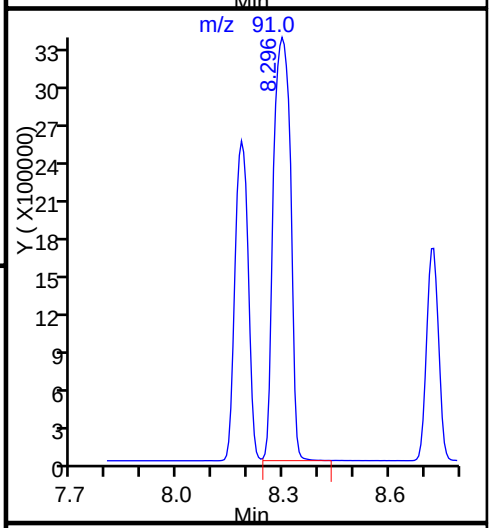


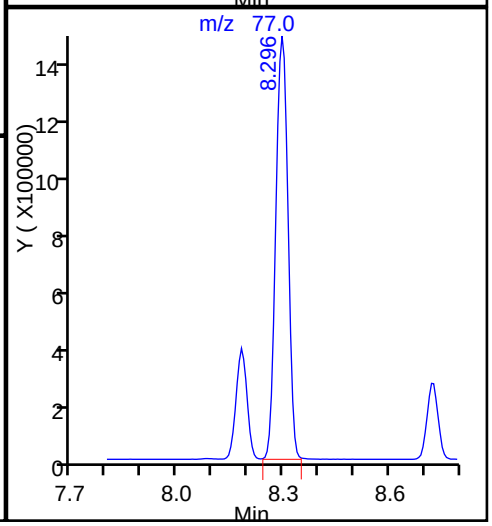












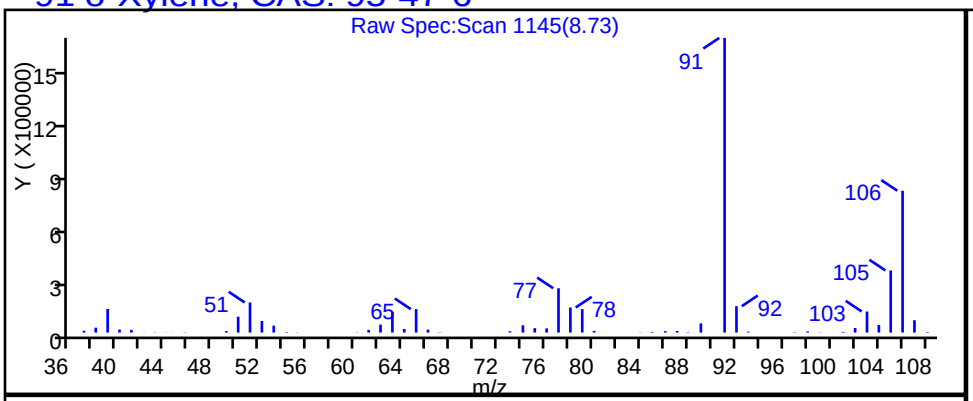
Report Date: 14-Jun-2016 18:51:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

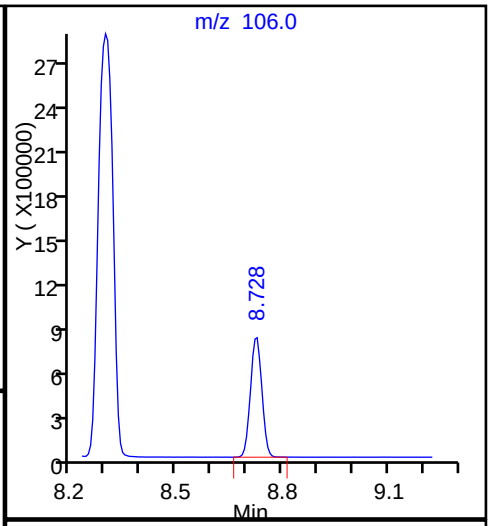
TestAmerica Buffalo

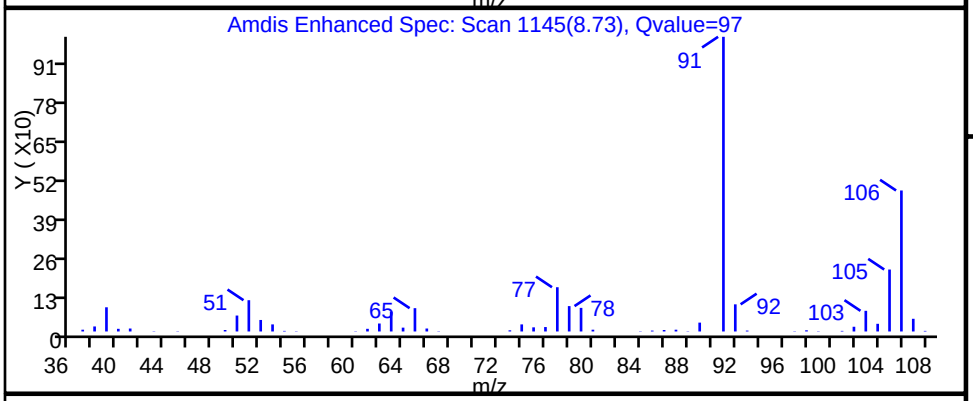
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D

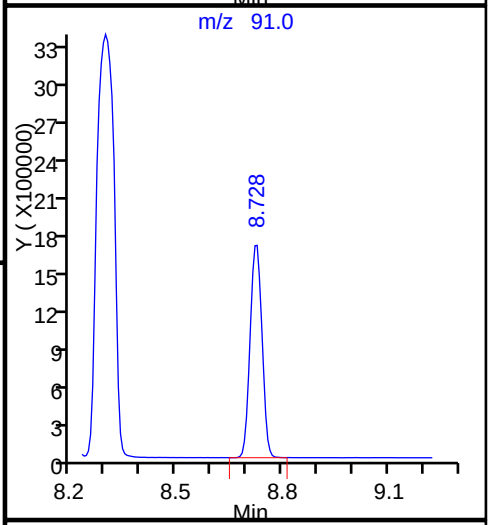
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	2 Worklist Smp#: 8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

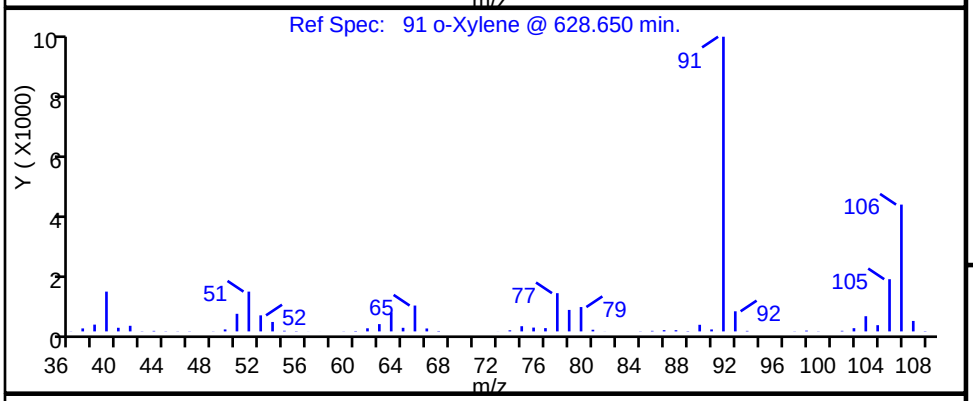
91 o-Xylene, CAS: 95-47-6

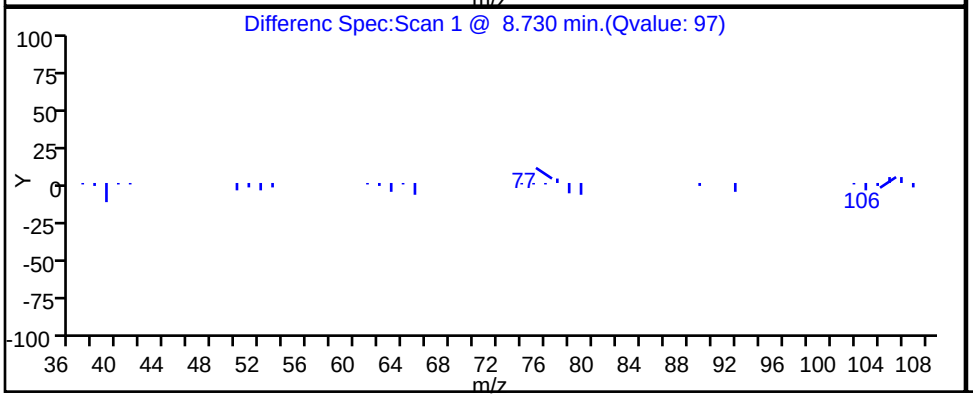


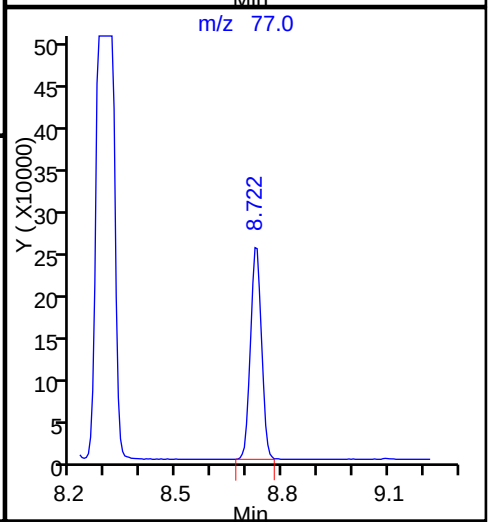












Manual Integration/User Assign Peak Report

TestAmerica Buffalo

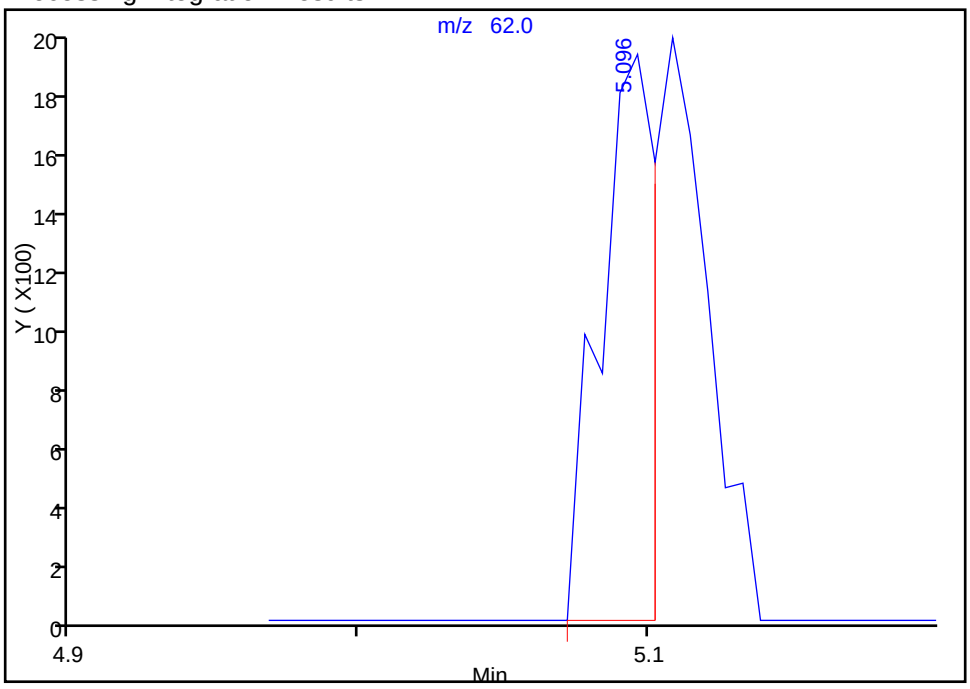
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7206.D				
Injection Date:	14-Jun-2016 13:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-35-B	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	2	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

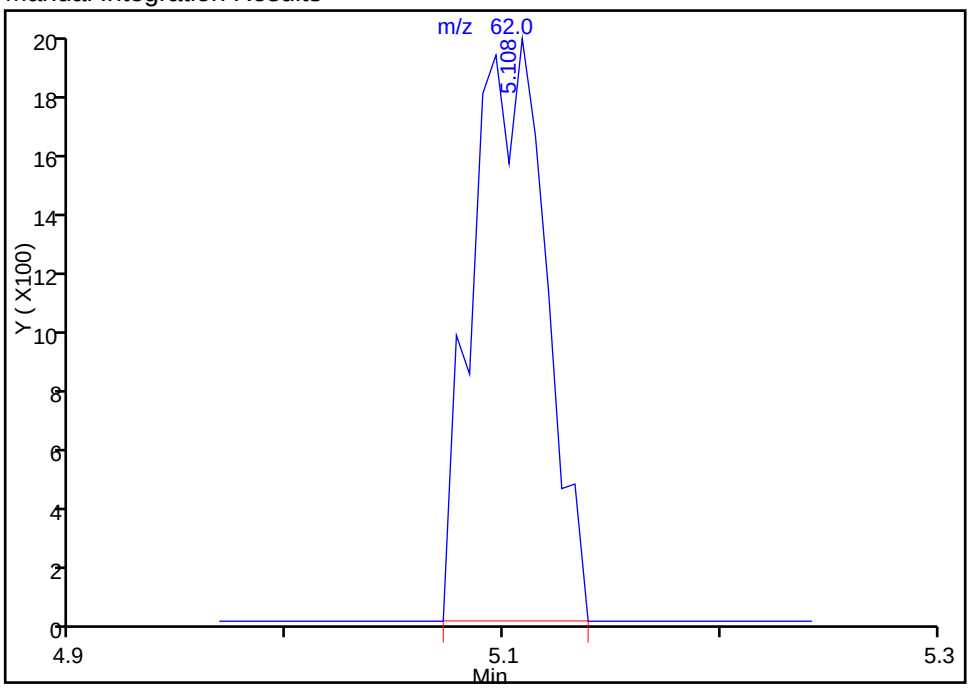
Processing Integration Results

RT: 5.10
Area: 2512
Amount: 0.341785
Amount Units: ug/kg



Manual Integration Results

RT: 5.11
Area: 4517
Amount: 0.614588
Amount Units: ug/kg



Reviewer: diasn, 14-Jun-2016 18:51:52

Audit Action: Manually Integrated Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S1 DL | Lab Sample ID: 480-101258-35 DL

Matrix: Solid | Lab File ID: N4673.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:25

Sample wt/vol: 5.02(g) | Date Analyzed: 06/15/2016 18:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 7.8 | Level: (low/med) Medium

Analysis Batch No.: 306755 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		450	120
79-34-5	1,1,2,2-Tetrachloroethane	ND		450	73
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450	220
79-00-5	1,1,2-Trichloroethane	ND		450	94
75-34-3	1,1-Dichloroethane	ND		450	140
75-35-4	1,1-Dichloroethene	ND		450	160
120-82-1	1,2,4-Trichlorobenzene	ND		450	170
96-12-8	1,2-Dibromo-3-Chloropropane	ND		450	220
106-93-4	1,2-Dibromoethane	ND		450	79
95-50-1	1,2-Dichlorobenzene	ND		450	110
107-06-2	1,2-Dichloroethane	ND		450	180
78-87-5	1,2-Dichloropropane	ND	*	450	73
541-73-1	1,3-Dichlorobenzene	ND		450	120
106-46-7	1,4-Dichlorobenzene	ND		450	63
78-93-3	2-Butanone (MEK)	ND		2200	1300
591-78-6	2-Hexanone	ND		2200	920
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2200	140
67-64-1	Acetone	ND		2200	1800
71-43-2	Benzene	ND		450	85
75-27-4	Bromodichloromethane	ND		450	90
75-25-2	Bromoform	ND		450	220
74-83-9	Bromomethane	ND		450	99
75-15-0	Carbon disulfide	ND		450	200
56-23-5	Carbon tetrachloride	ND		450	110
108-90-7	Chlorobenzene	ND		450	59
75-00-3	Chloroethane	ND		450	93
67-66-3	Chloroform	ND		450	310
74-87-3	Chloromethane	ND		450	110
156-59-2	cis-1,2-Dichloroethene	ND		450	120
10061-01-5	cis-1,3-Dichloropropene	ND		450	110
110-82-7	Cyclohexane	ND	*	450	100
124-48-1	Dibromochloromethane	ND		450	220
75-71-8	Dichlorodifluoromethane	ND		450	200
100-41-4	Ethylbenzene	2900		450	130
98-82-8	Isopropylbenzene	ND		450	67

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S1 DL | Lab Sample ID: 480-101258-35 DL

Matrix: Solid | Lab File ID: N4673.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:25

Sample wt/vol: 5.02(g) | Date Analyzed: 06/15/2016 18:05

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 4

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 7.8 | Level: (low/med) Medium

Analysis Batch No.: 306755 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		450	210
1634-04-4	Methyl tert-butyl ether	ND		450	170
108-87-2	Methylcyclohexane	ND		450	210
75-09-2	Methylene Chloride	ND		450	89
100-42-5	Styrene	ND		450	110
127-18-4	Tetrachloroethene	21000		450	60
108-88-3	Toluene	1300		450	120
156-60-5	trans-1,2-Dichloroethene	ND		450	110
10061-02-6	trans-1,3-Dichloropropene	ND		450	44
79-01-6	Trichloroethene	6300		450	120
75-69-4	Trichlorofluoromethane	ND		450	210
75-01-4	Vinyl chloride	ND		450	150
1330-20-7	Xylenes, Total	16000		900	250

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		53-146
460-00-4	4-Bromofluorobenzene (Surr)	110		49-148
2037-26-5	Toluene-d8 (Surr)	92		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D
Lims ID: 480-101258-A-35-C
Client ID: B103-AREA2-S1
Sample Type: Client
Inject. Date: 15-Jun-2016 18:05:30 ALS Bottle#: 47 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-101258-A-35-C
Misc. Info.: 480-0054051-022
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 18:35:13 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 15-Jun-2016 18:35:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	86849	25.0	
* 2 Chlorobenzene-d5	117	8.564	8.558	0.006	89	303021	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	150951	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	136452	26.0	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	384632	22.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	87	126060	27.6	
11 Dichlorodifluoromethane	85		1.391				ND	
13 Chloromethane	50		1.555				ND	
14 Vinyl chloride	62		1.665				ND	
15 Bromomethane	94		1.969				ND	
16 Chloroethane	64		2.078				ND	
18 Trichlorofluoromethane	101		2.328				ND	
22 1,1-Dichloroethene	96		2.808				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821				ND	
23 Acetone	43		2.900				ND	
25 Carbon disulfide	76		3.003				ND	
28 Methyl acetate	43		3.204				ND	
30 Methylene Chloride	84		3.301				ND	
32 Methyl tert-butyl ether	73		3.538				ND	
33 trans-1,2-Dichloroethene	96		3.545				ND	
36 1,1-Dichloroethane	63		3.952				ND	
43 cis-1,2-Dichloroethene	96		4.506				ND	
44 2-Butanone (MEK)	43		4.530				ND	
50 Chloroform	83		4.816				ND	
51 1,1,1-Trichloroethane	97		4.944				ND	
52 Cyclohexane	56		4.968				ND	
53 Carbon tetrachloride	117		5.090				ND	
55 Benzene	78		5.297				ND	
57 1,2-Dichloroethane	62		5.345				ND	
60 Trichloroethene	95	5.905	5.911	-0.006	97	52143	13.9	
62 Methylcyclohexane	83		6.051				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.136				ND	
67 Dichlorobromomethane	83		6.422				ND	
71 cis-1,3-Dichloropropene	75		6.842				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982				ND	
73 Toluene	92	7.140	7.146	-0.006	96	31249	2.97	
75 trans-1,3-Dichloropropene	75		7.402				ND	
78 1,1,2-Trichloroethane	83		7.590				ND	
79 Tetrachloroethene	166	7.688	7.687	0.001	96	177933	46.9	
82 2-Hexanone	43		7.821				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
85 Chlorobenzene	112		8.588				ND	
88 Ethylbenzene	91	8.691	8.691	0.000	98	128765	6.46	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	237497	32.3	
91 o-Xylene	106	9.239	9.239	0.000	97	27754	3.47	
92 Styrene	104		9.263				ND	
93 Bromoform	173		9.494				ND	
95 Isopropylbenzene	105		9.622				ND	
98 1,1,2,2-Tetrachloroethane	83		9.987				ND	
110 1,3-Dichlorobenzene	146		10.869				ND	
113 1,4-Dichlorobenzene	146		10.960				ND	
116 1,2-Dichlorobenzene	146		11.307				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.025				ND	
119 1,2,4-Trichlorobenzene	180		12.712				ND	
S 126 Xylenes, Total	1				0		35.7	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

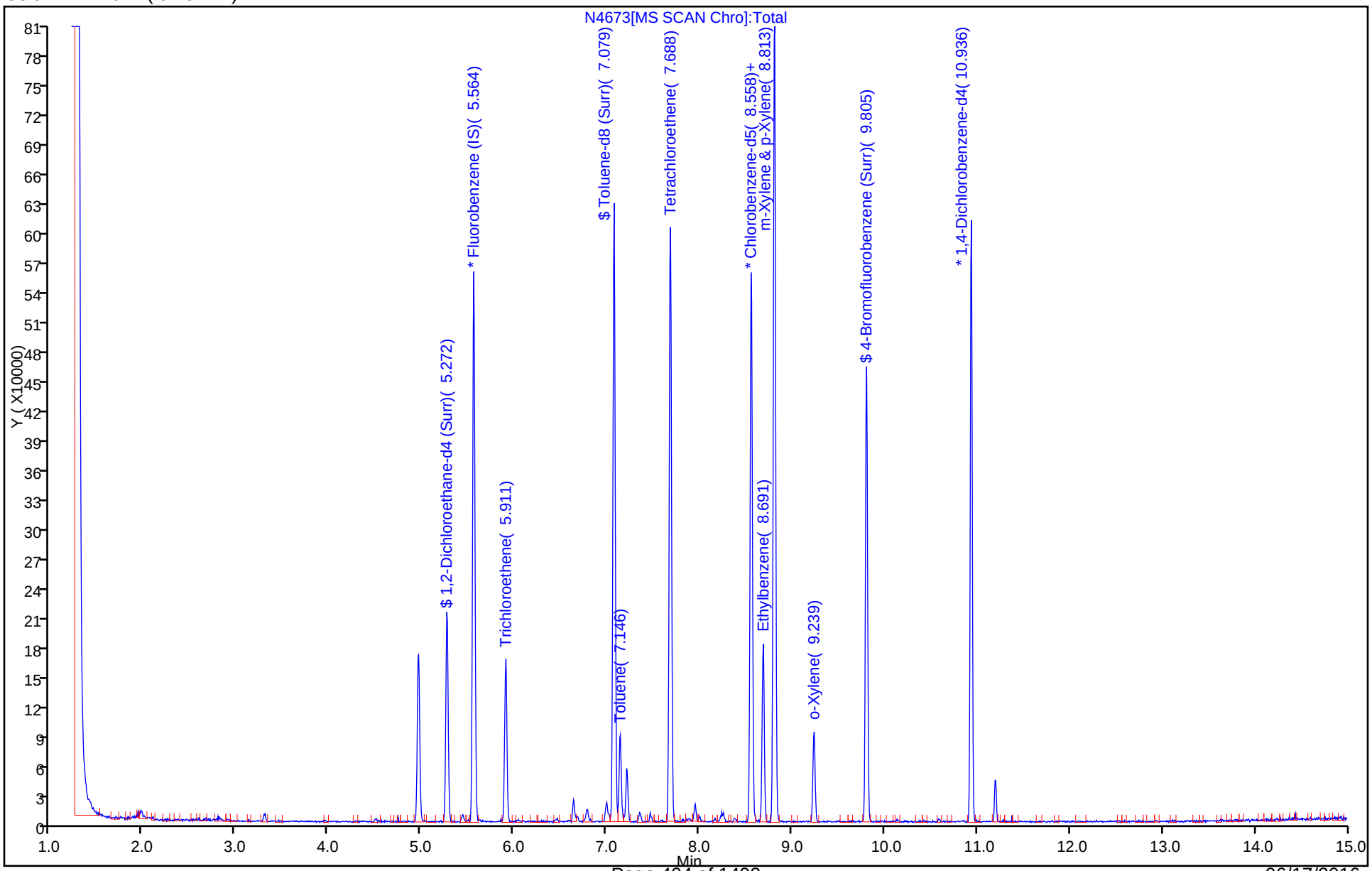
Report Date: 15-Jun-2016 18:35:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D

Injection Date:	15-Jun-2016 18:05:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-101258-A-35-C	Lab Sample ID:	480-101258-35	Worklist Smp#:	22
Client ID:	B103-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	47
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D				
Lims ID:	480-101258-A-35-C				
Client ID:	B103-AREA2-S1				
Sample Type:	Client				
Inject. Date:	15-Jun-2016 18:05:30	ALS Bottle#:	47	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Sample Info:	480-101258-A-35-C				
Misc. Info.:	480-0054051-022				
Operator ID:	SO	Instrument ID:	HP5973N		
Method:	\\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Jun-2016 18:35:13	Calib Date:	19-May-2016 01:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK010				

First Level Reviewer: fortaing Date: 15-Jun-2016 18:35:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.0	103.95
$ 6 Toluene-d8 (Surr)	25.0	22.9	91.56
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.6	110.35

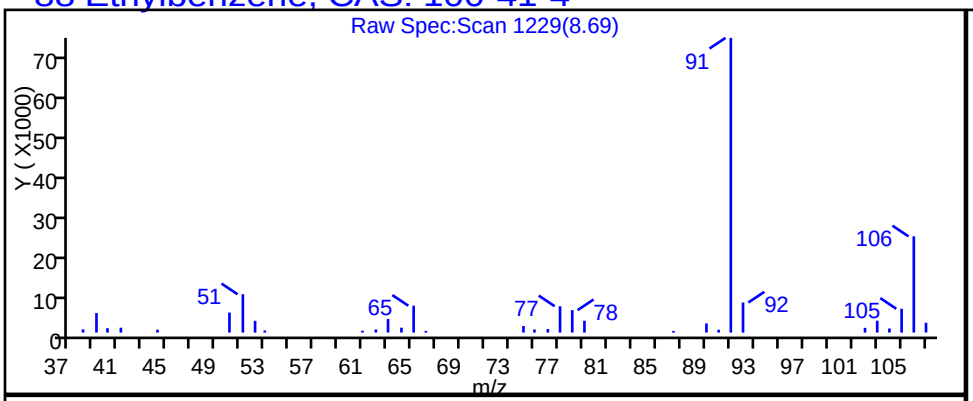
Report Date: 15-Jun-2016 18:35:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

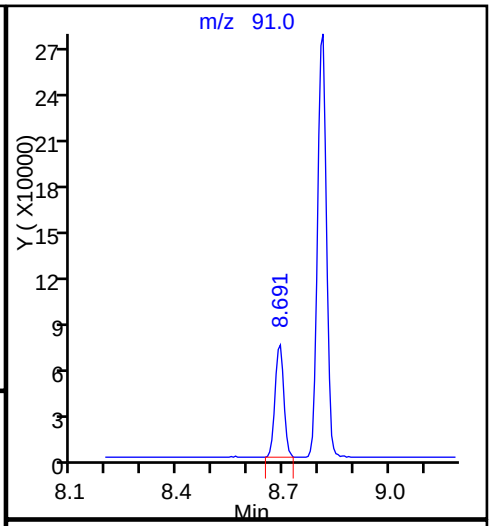
TestAmerica Buffalo

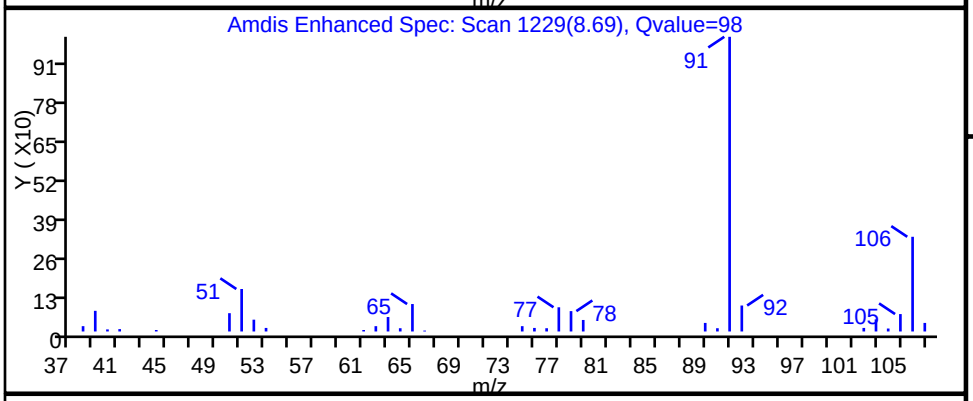
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D

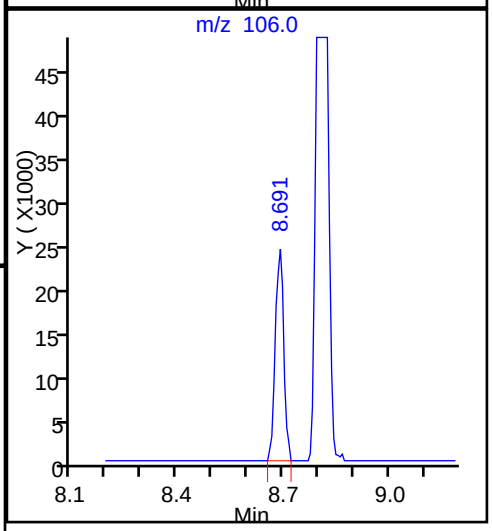
Injection Date:	15-Jun-2016 18:05:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-35-C	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	47	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

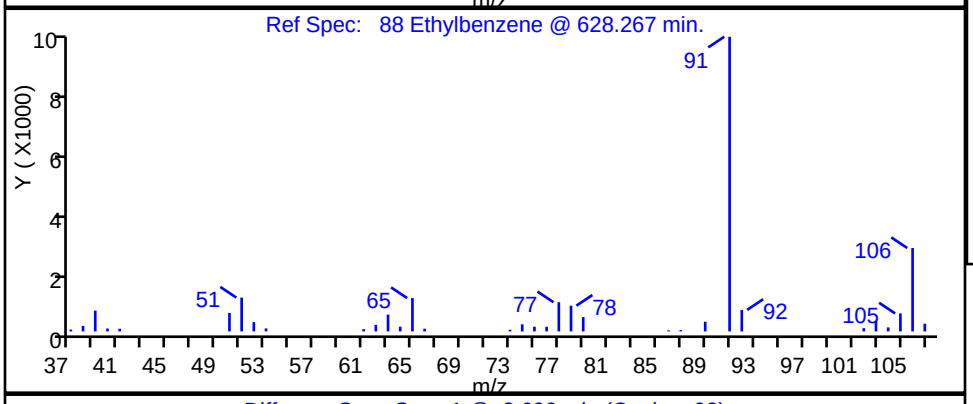
88 Ethylbenzene, CAS: 100-41-4

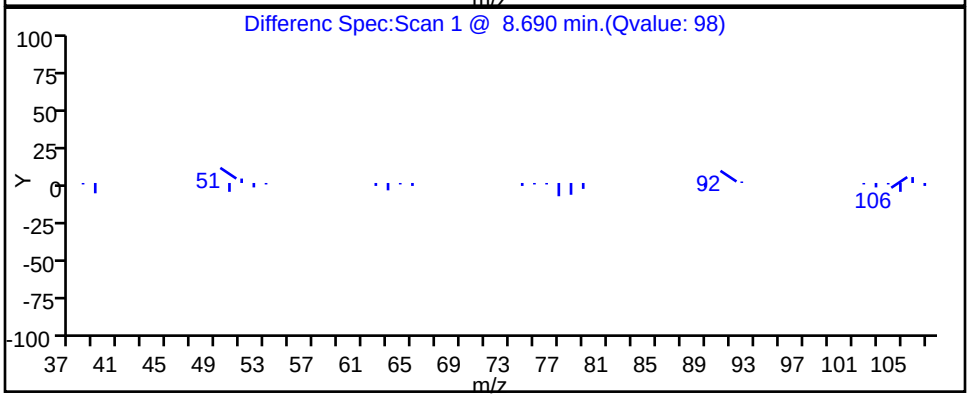










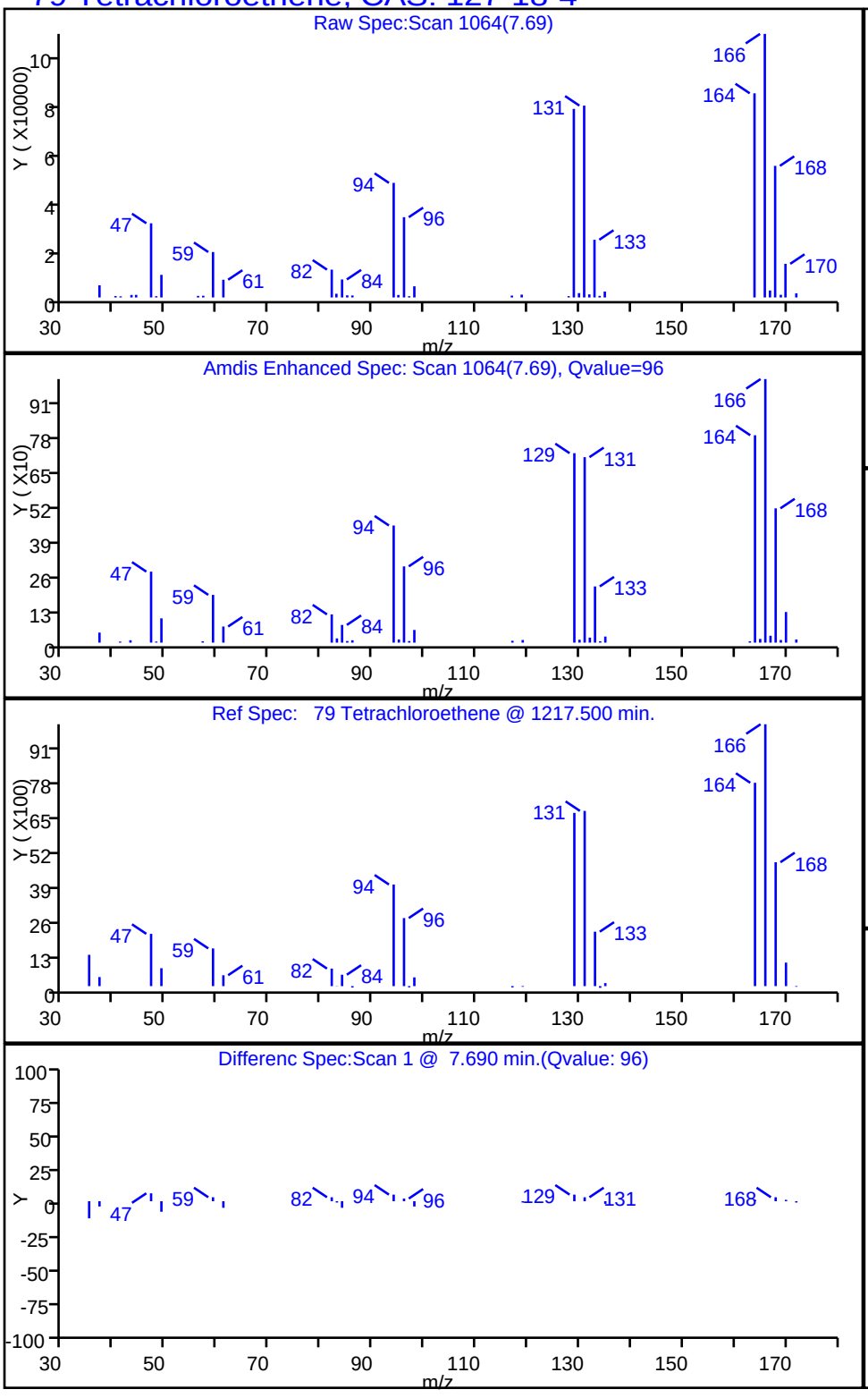


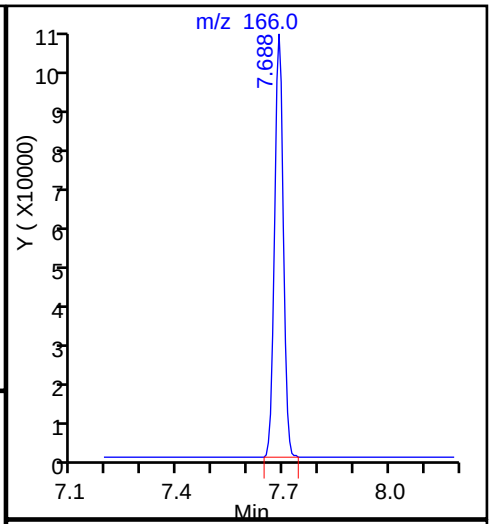
TestAmerica Buffalo

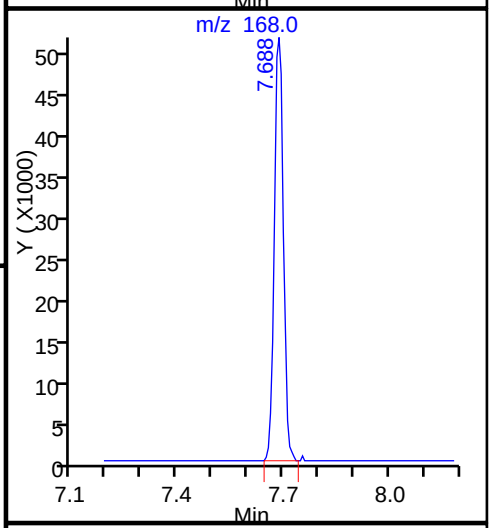
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D

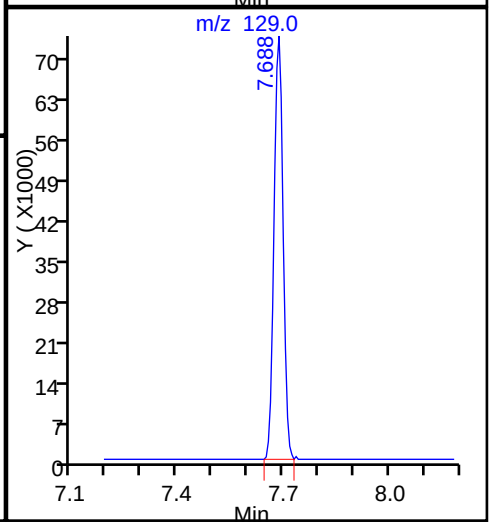
Injection Date:	15-Jun-2016 18:05:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-35-C	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	47 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4









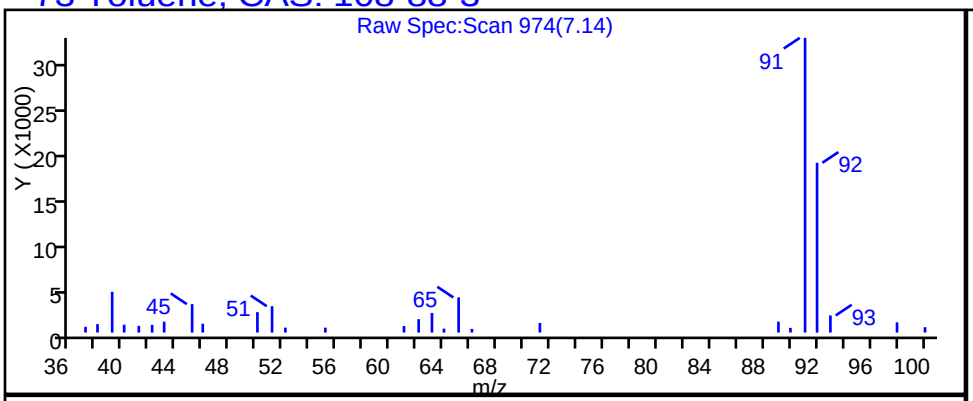
Report Date: 15-Jun-2016 18:35:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

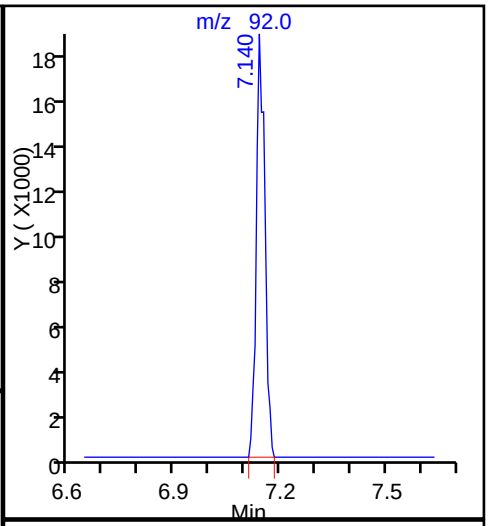
TestAmerica Buffalo

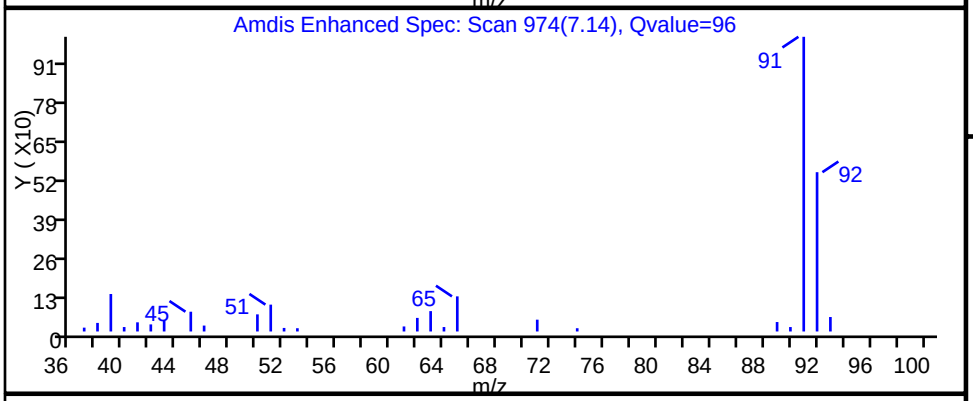
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D

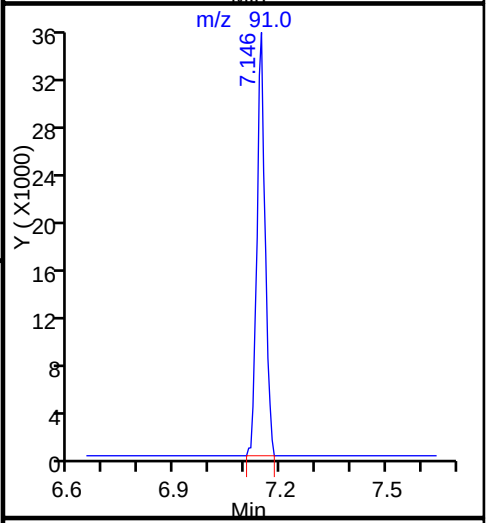
Injection Date:	15-Jun-2016 18:05:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-35-C	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	47 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

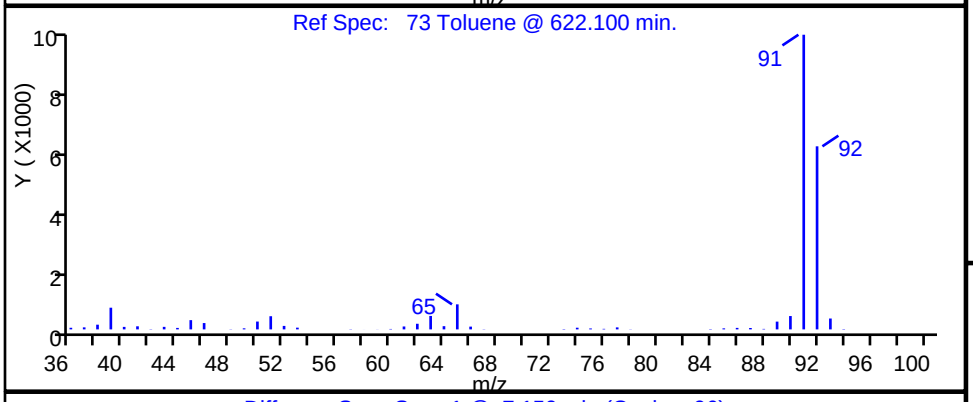
73 Toluene, CAS: 108-88-3

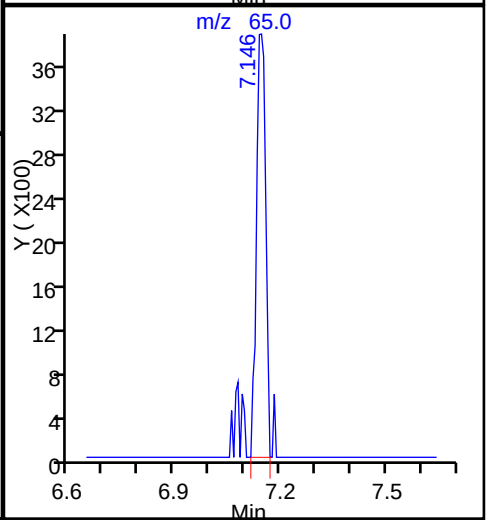


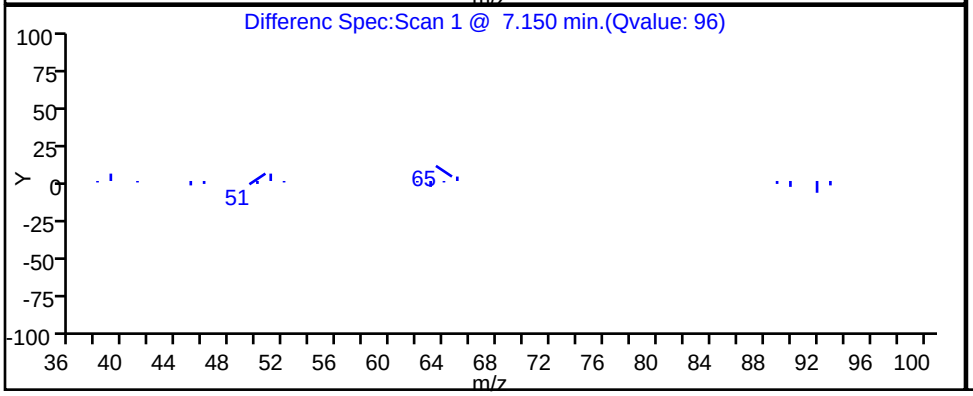












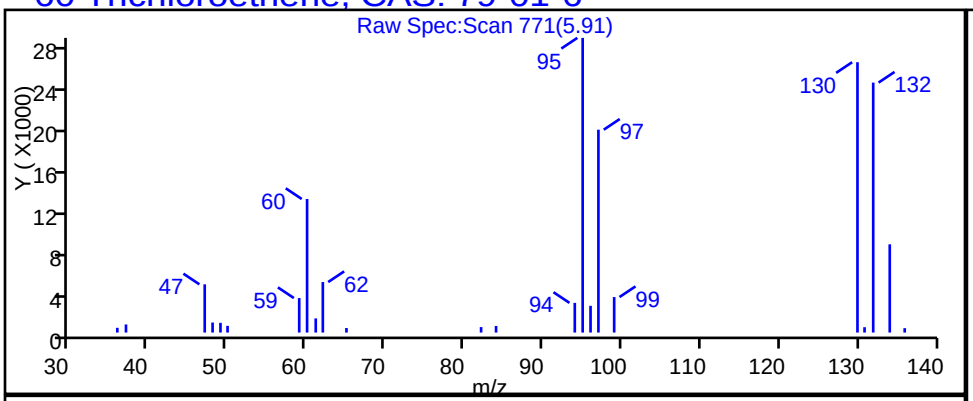
Report Date: 15-Jun-2016 18:35:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

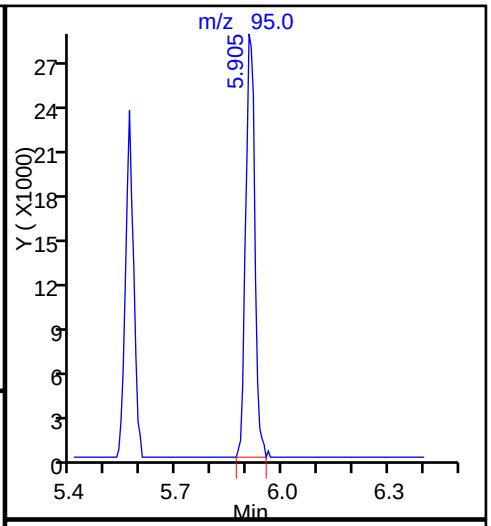
TestAmerica Buffalo

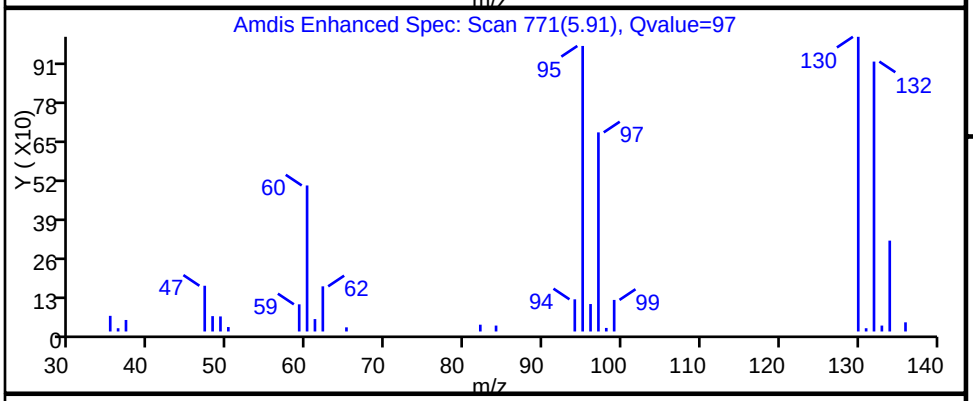
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D

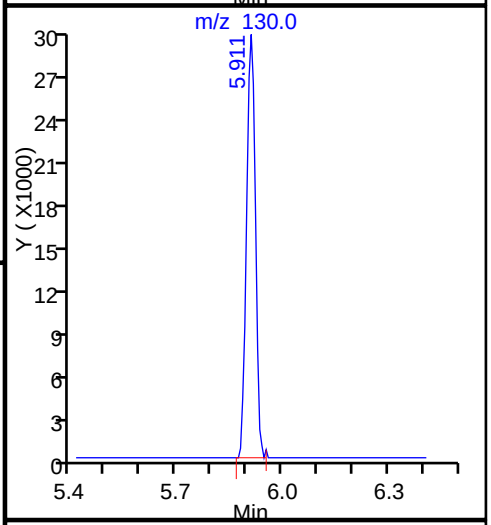
Injection Date:	15-Jun-2016 18:05:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-35-C	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	47 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

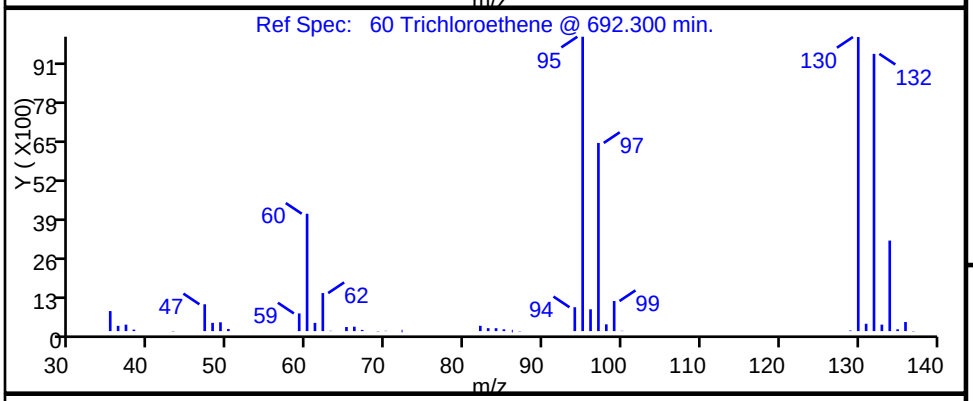
60 Trichloroethene, CAS: 79-01-6

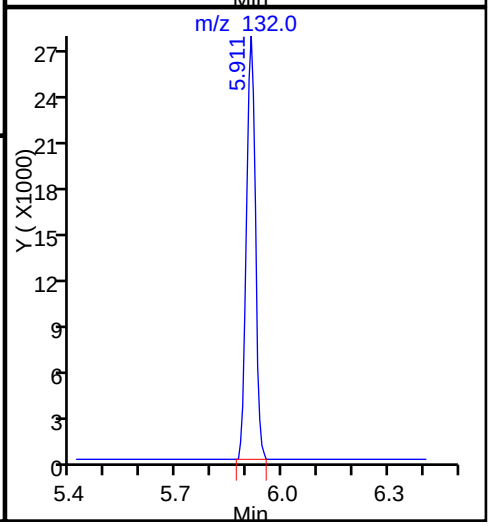


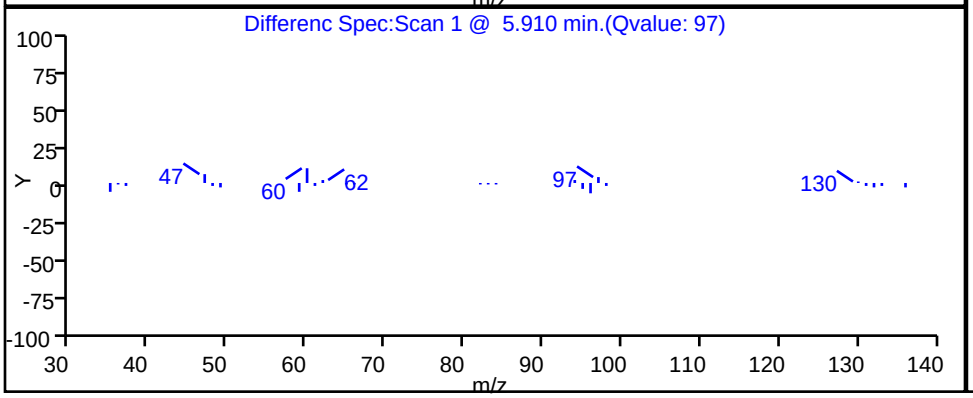










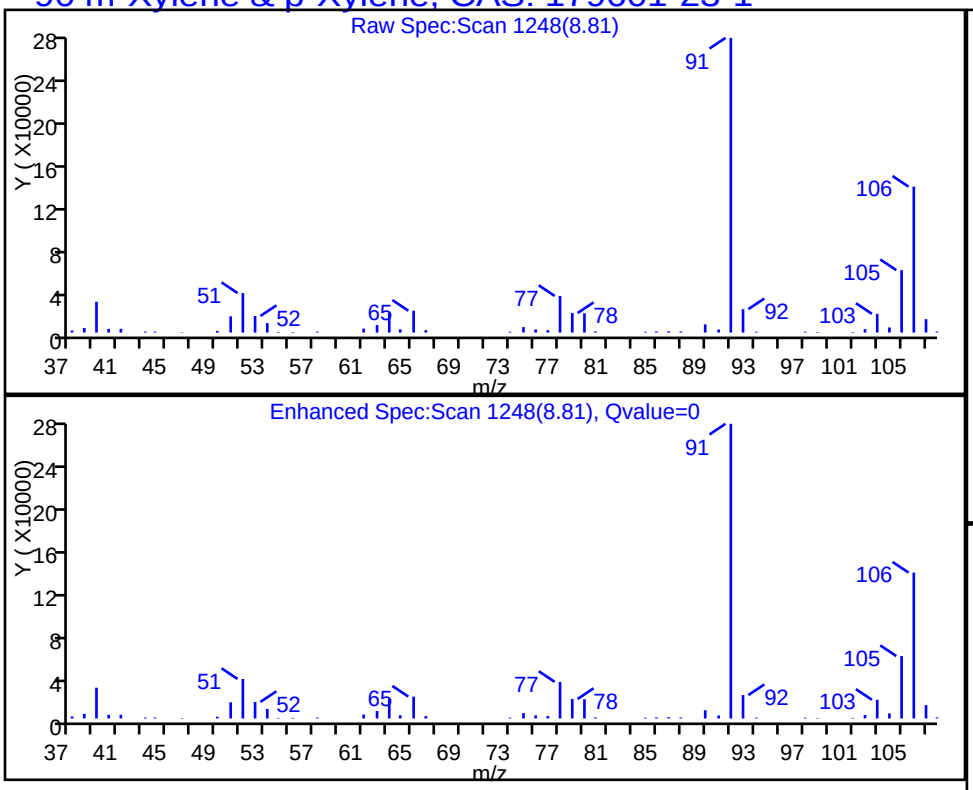


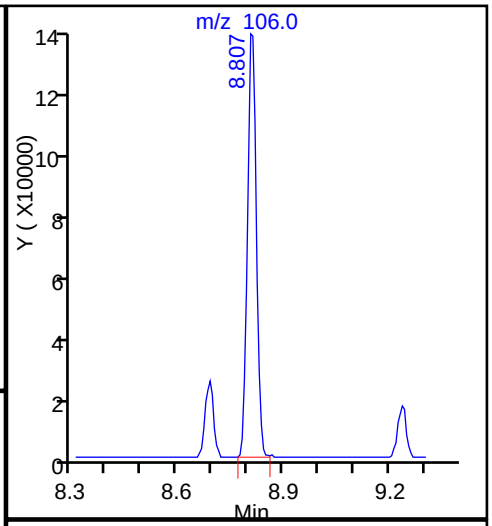
TestAmerica Buffalo

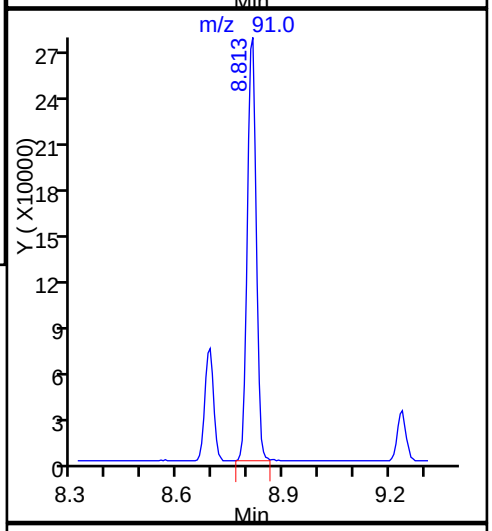
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D

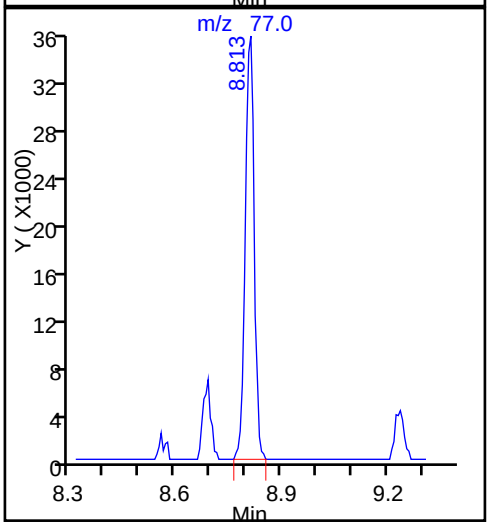
Injection Date:	15-Jun-2016 18:05:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-35-C	Lab Sample ID:	480-101258-35		
Client ID:	B103-AREA2-S1				
Operator ID:	SO	ALS Bottle#:	47	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1









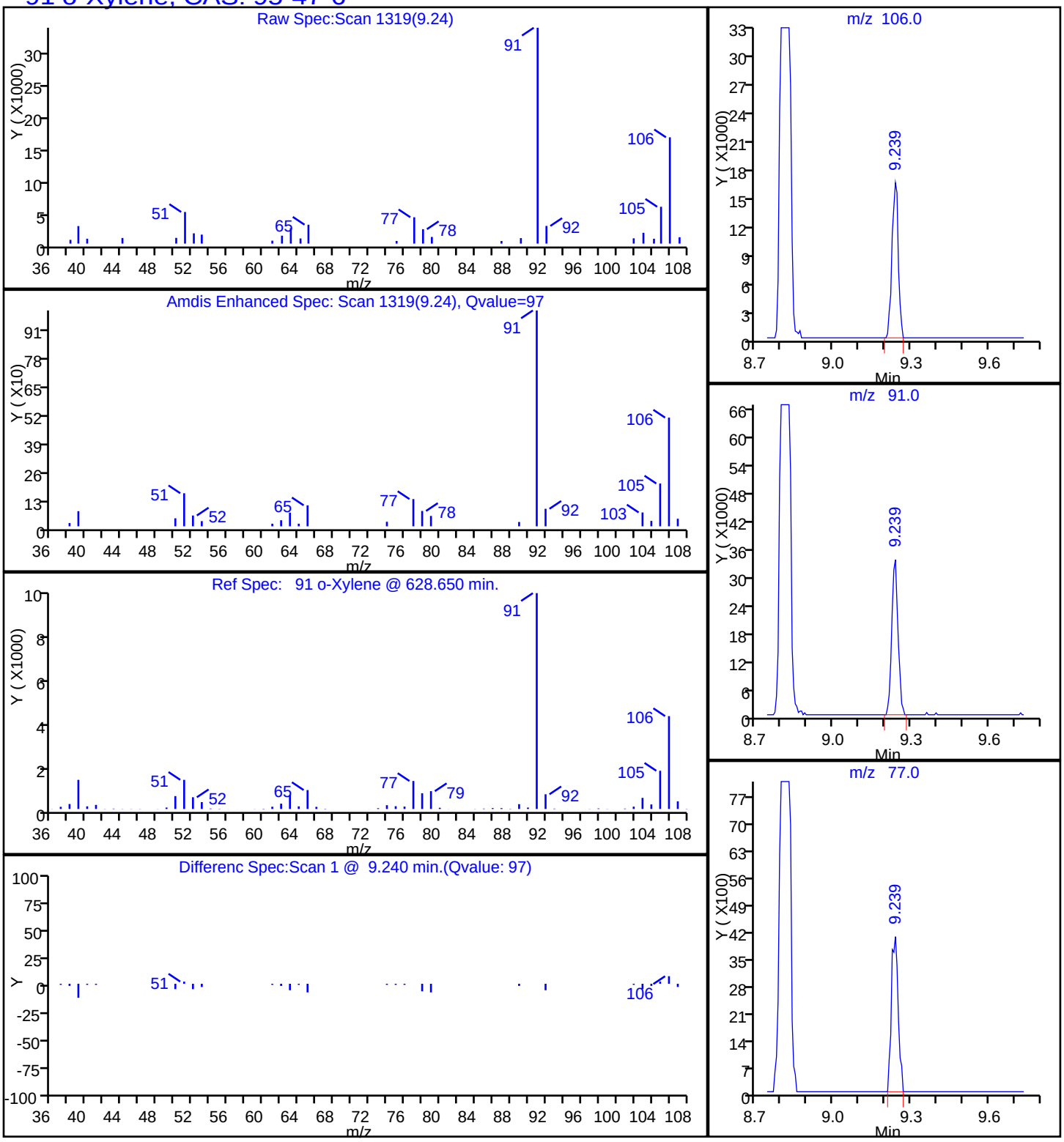
Report Date: 15-Jun-2016 18:35:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4673.D

Injection Date:	15-Jun-2016 18:05:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-35-C	Lab Sample ID:	480-101258-35
Client ID:	B103-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	47 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

91 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S2 | Lab Sample ID: 480-101258-36

Matrix: Solid | Lab File ID: F7207.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:30

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 13:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.64	J	5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.3	0.86
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.8	J	5.3	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.3	0.69
75-34-3	1,1-Dichloroethane	63		5.3	0.65
75-35-4	1,1-Dichloroethene	2.1	J	5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.3	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND	*	5.3	0.42
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.3	0.74
78-93-3	2-Butanone (MEK)	ND		27	1.9
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.7
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND	*	5.3	2.7
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.7
56-23-5	Carbon tetrachloride	ND		5.3	0.51
108-90-7	Chlorobenzene	ND	*	5.3	0.70
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	350	E	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.77
110-82-7	Cyclohexane	ND		5.3	0.74
124-48-1	Dibromochloromethane	ND	*	5.3	0.68
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	1.1	J *	5.3	0.37
98-82-8	Isopropylbenzene	ND	*	5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S2 | Lab Sample ID: 480-101258-36

Matrix: Solid | Lab File ID: F7207.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:30

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 13:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	19		5.3	2.4
100-42-5	Styrene	ND	*	5.3	0.27
127-18-4	Tetrachloroethene	16	*	5.3	0.71
108-88-3	Toluene	1.9	J *	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.3	2.3
79-01-6	Trichloroethene	57		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	6.1	J	11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	48	X *	72-126
2037-26-5	Toluene-d8 (Surr)	139	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D
Lims ID: 480-101258-A-36-B
Client ID: B103-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 13:26:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-36-B
Misc. Info.: 480-0054020-009
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 18:51:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:15:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	138736	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	135944	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.438	10.444	-0.006	96	51127	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	105511	52.7	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	409145	69.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	45538	24.1	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.022	0.006	91	12762	3.60	
22 1,1-Dichloroethene	96	3.046	3.046	0.000	94	6685	1.95	
23 Acetone	43	3.119	3.101	0.018	73	7854	2.53	
26 Carbon disulfide	76	3.259	3.253	0.006	99	10452	0.8379	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	88	82530	17.6	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	97	398977	59.5	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	81	1424056	330.7	E
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	36	3870	0.5999	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95	5.583	5.583	0.000	96	221853	53.8	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.714	6.714	0.000	98	8444	1.79	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.232	7.231	0.001	96	30194	14.8	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91	8.181	8.180	0.001	94	9143	1.04	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	17267	5.04	
91 o-Xylene	106	8.728	8.728	0.000	87	2199	0.6636	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1				0		5.70	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

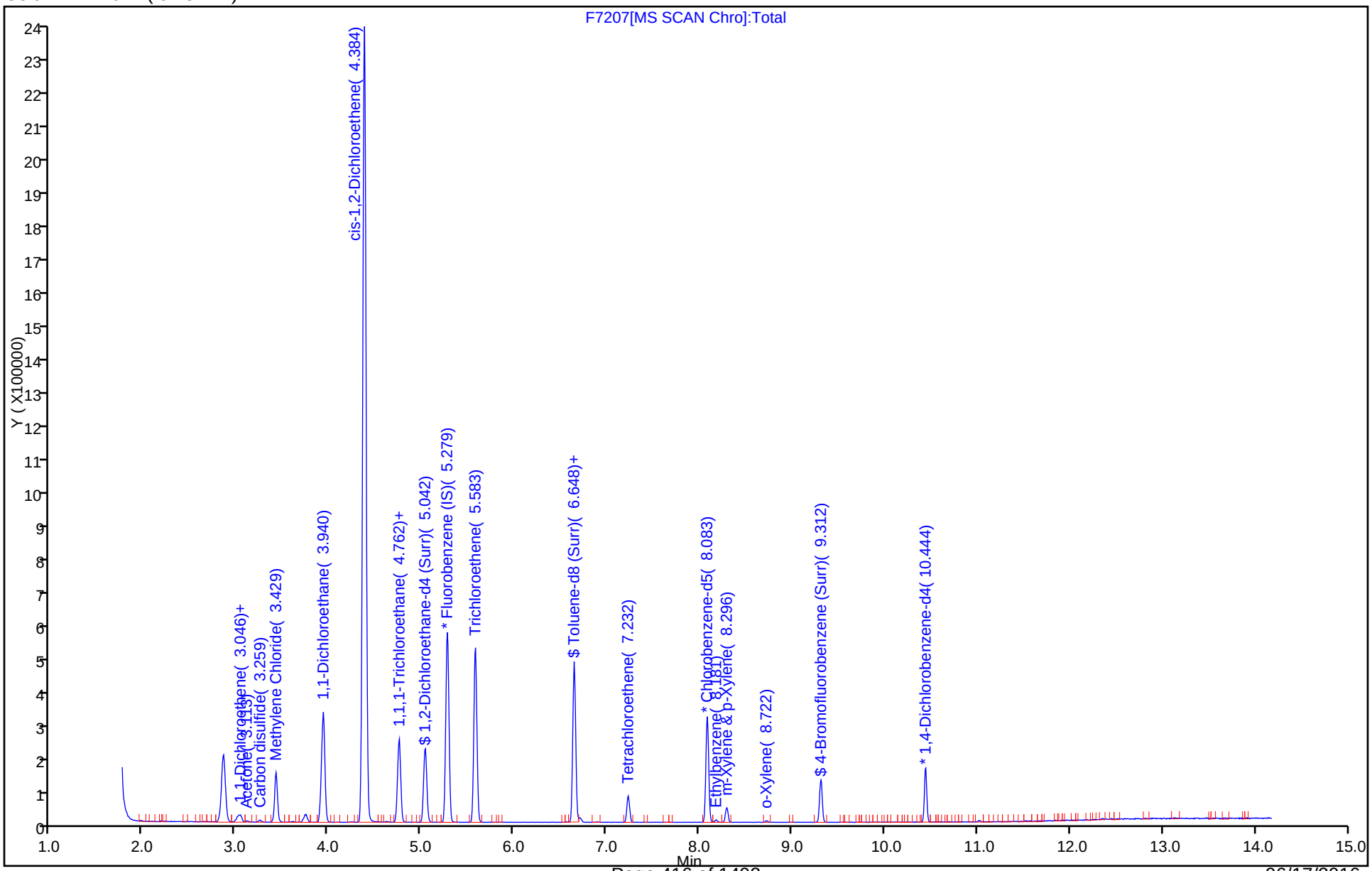
Report Date: 14-Jun-2016 19:15:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36	Worklist Smp#:	9
Client ID:	B103-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D
Lims ID: 480-101258-A-36-B
Client ID: B103-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 13:26:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-36-B
Misc. Info.: 480-0054020-009
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 18:51:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:15:25

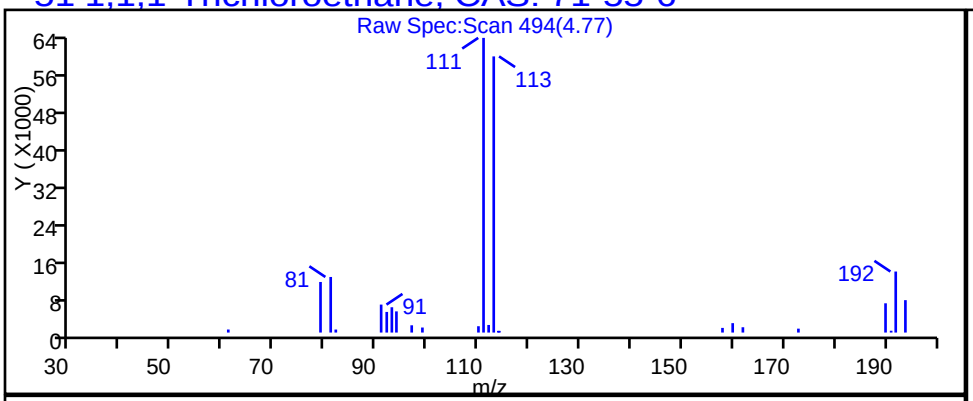
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.7	105.31
$ 5 Toluene-d8 (Surr)	50.0	69.6	139.23
$ 6 4-Bromofluorobenzene (Surr)	50.0	24.1	48.15

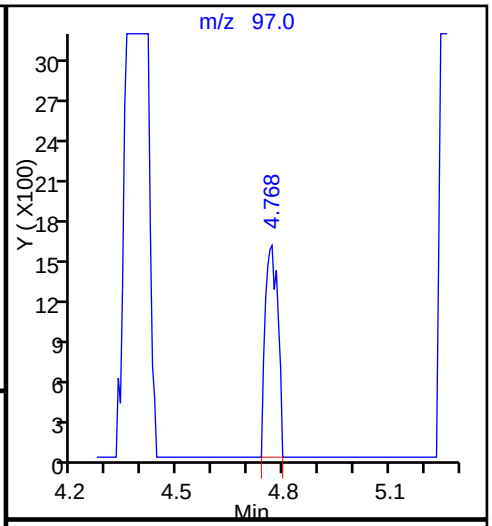
TestAmerica Buffalo

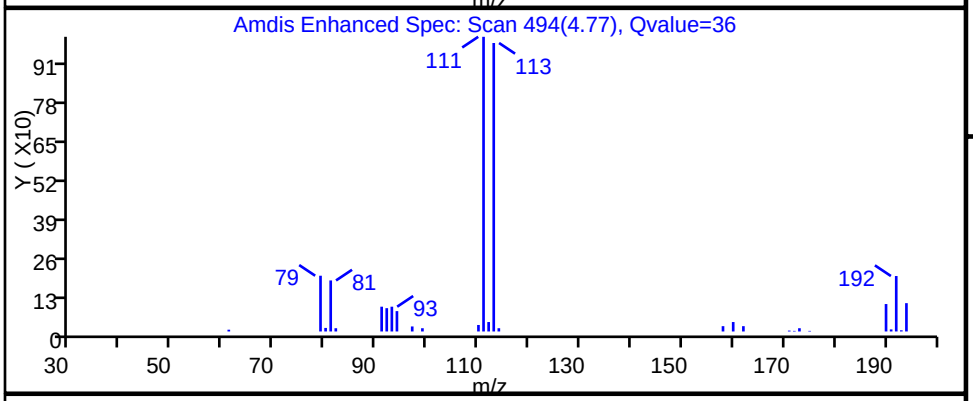
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

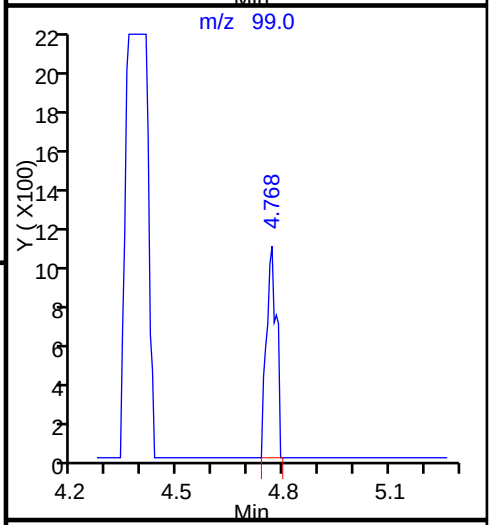
Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

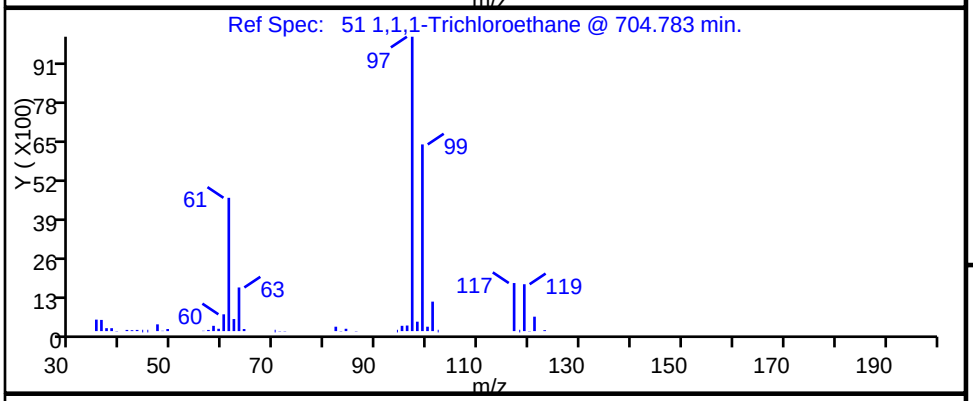
51 1,1,1-Trichloroethane, CAS: 71-55-6

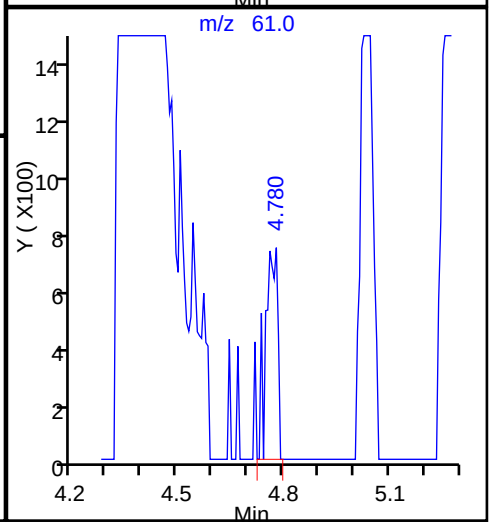


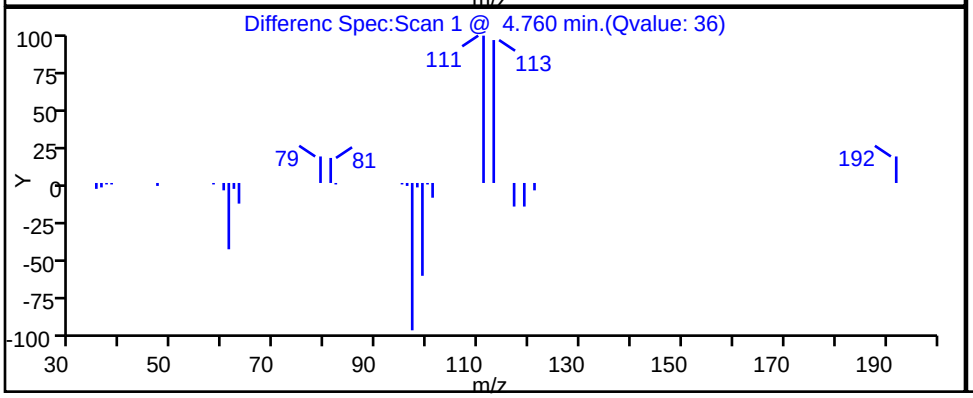






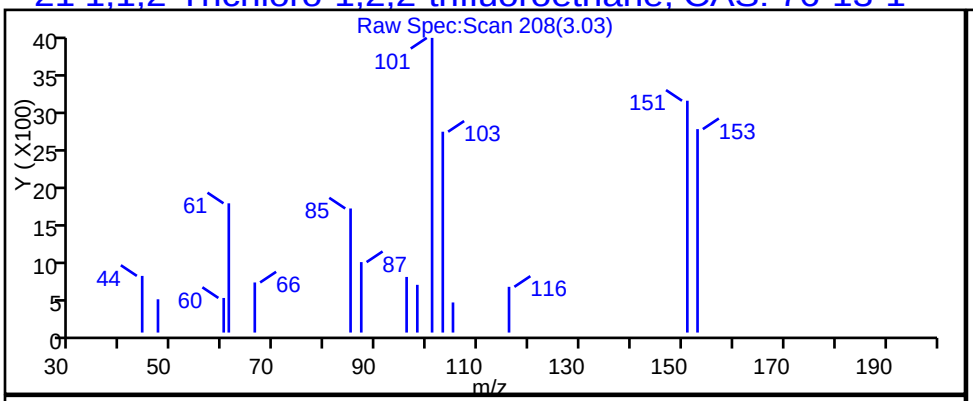


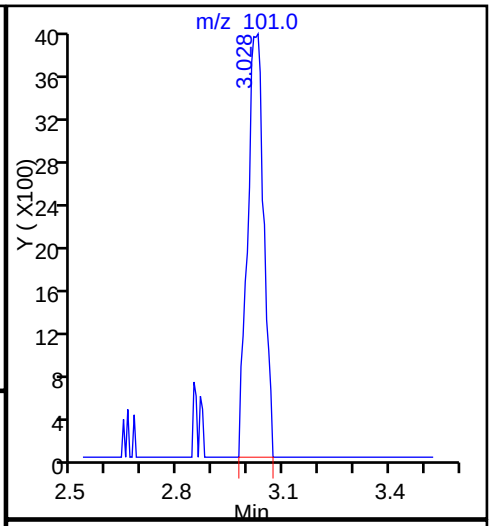


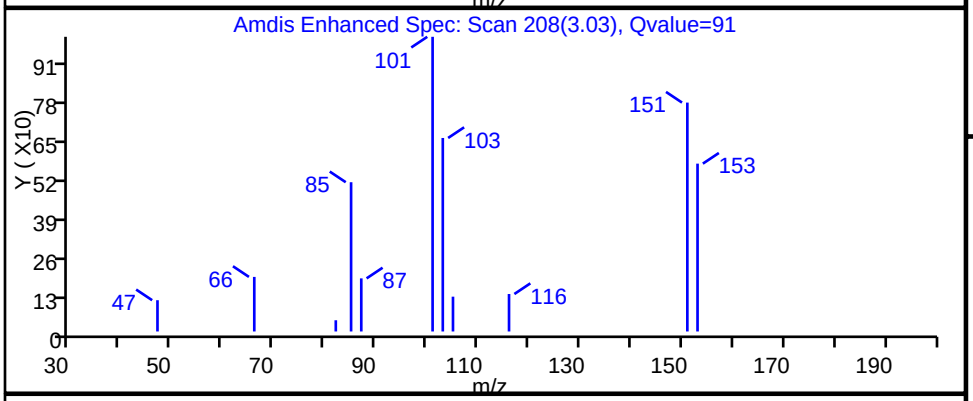


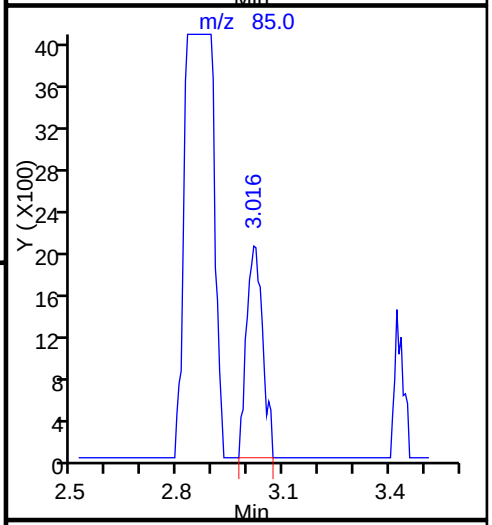
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D
Injection Date: 14-Jun-2016 13:26:30 Instrument ID: HP5973F
Lims ID: 480-101258-A-36-B Lab Sample ID: 480-101258-36
Client ID: B103-AREA2-S2
Operator ID: CDC ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

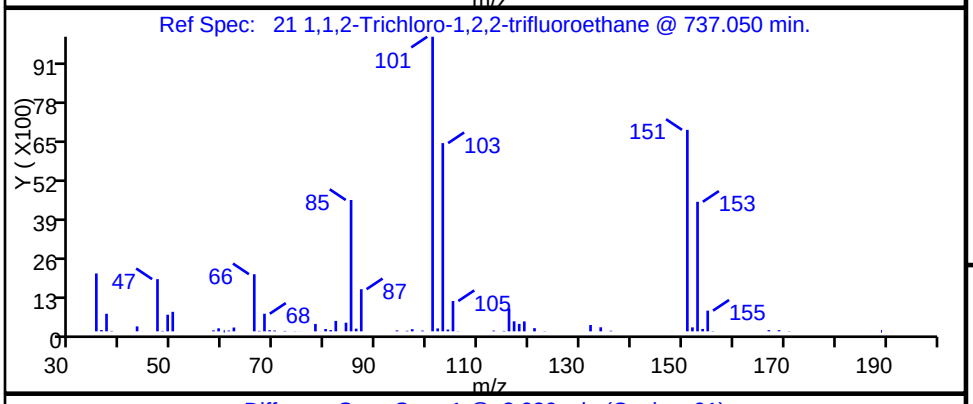
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

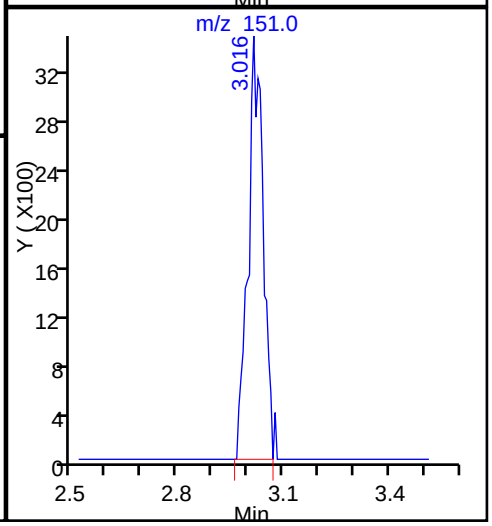


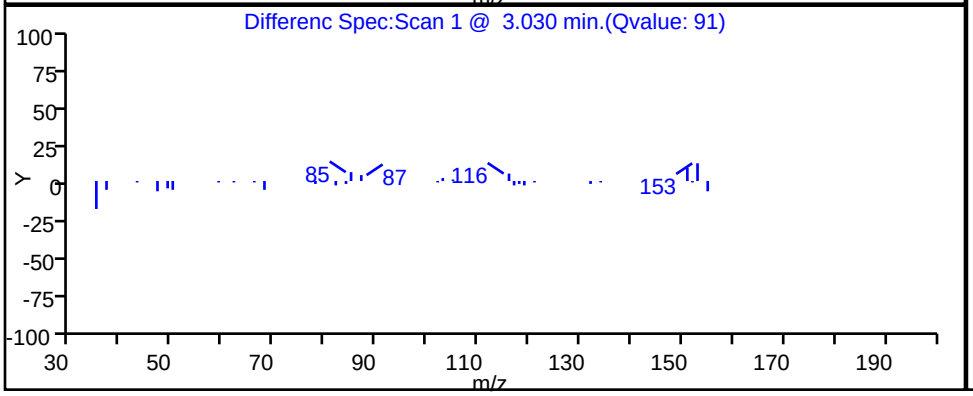












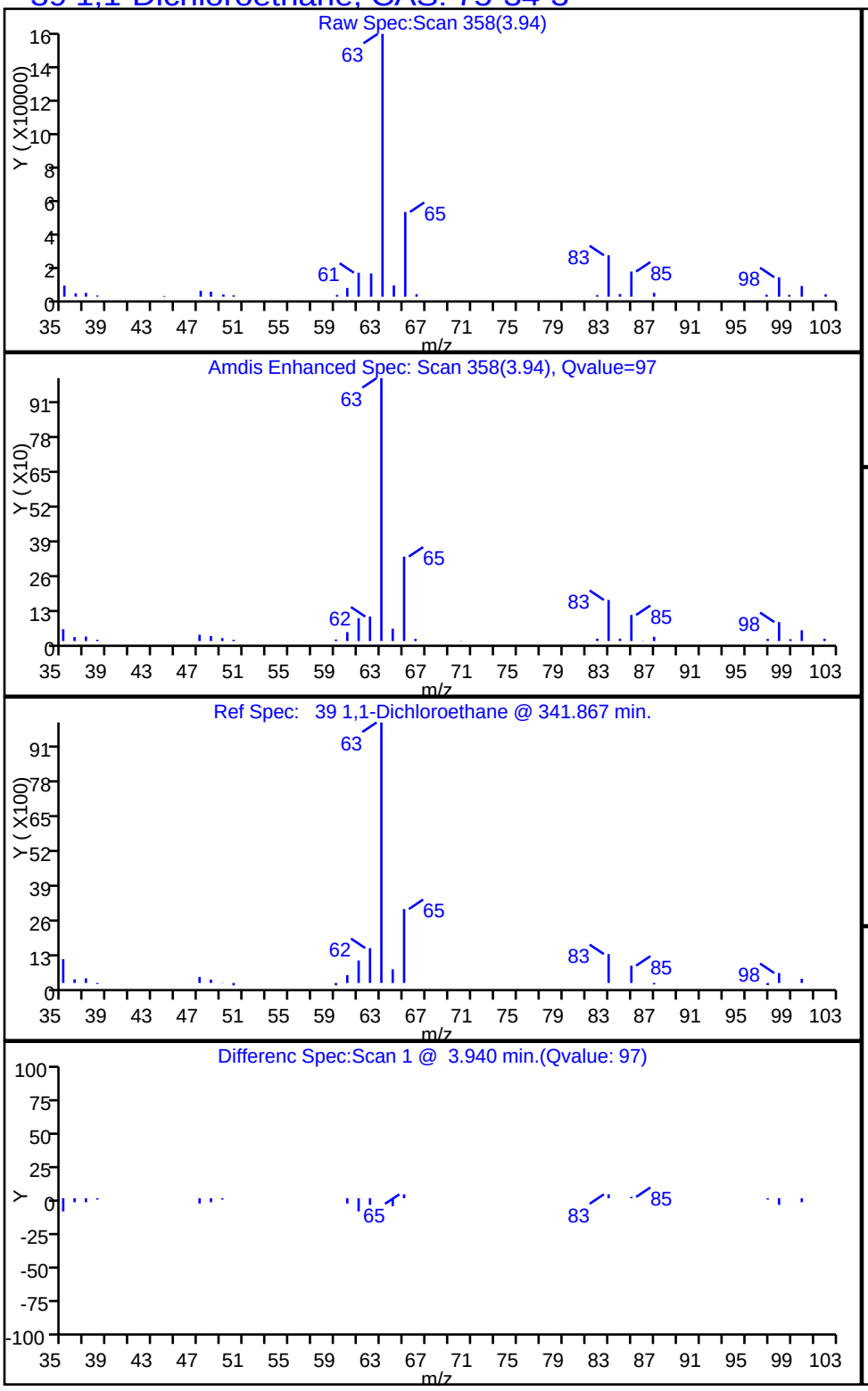
Report Date: 14-Jun-2016 19:15:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

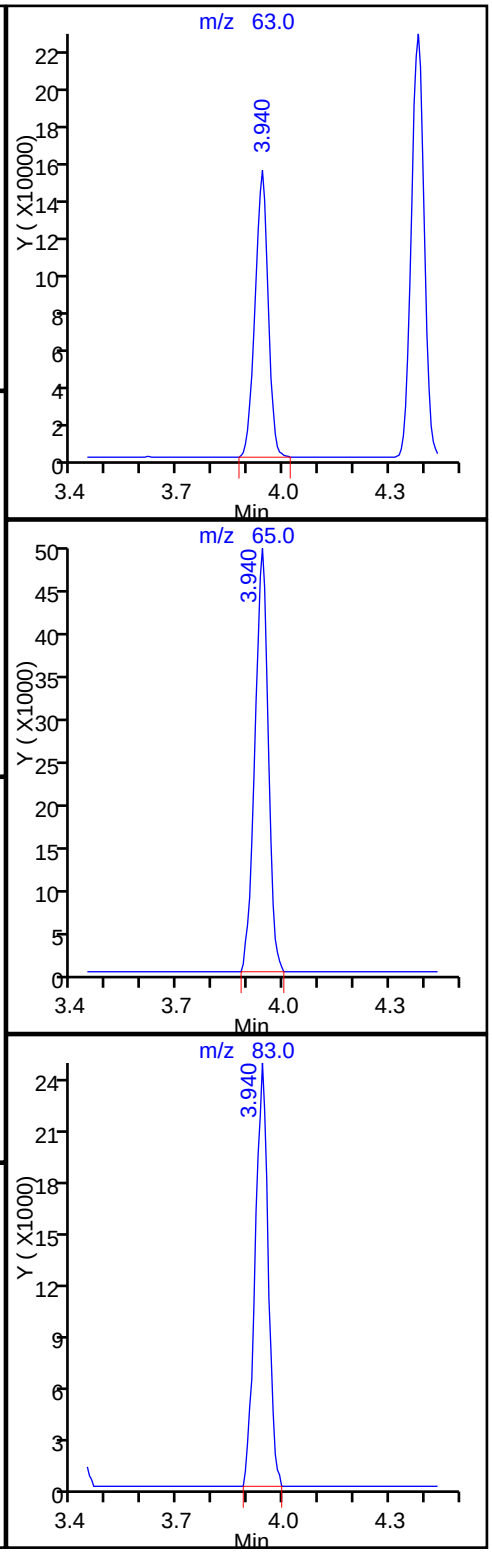
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

39 1,1-Dichloroethane, CAS: 75-34-3





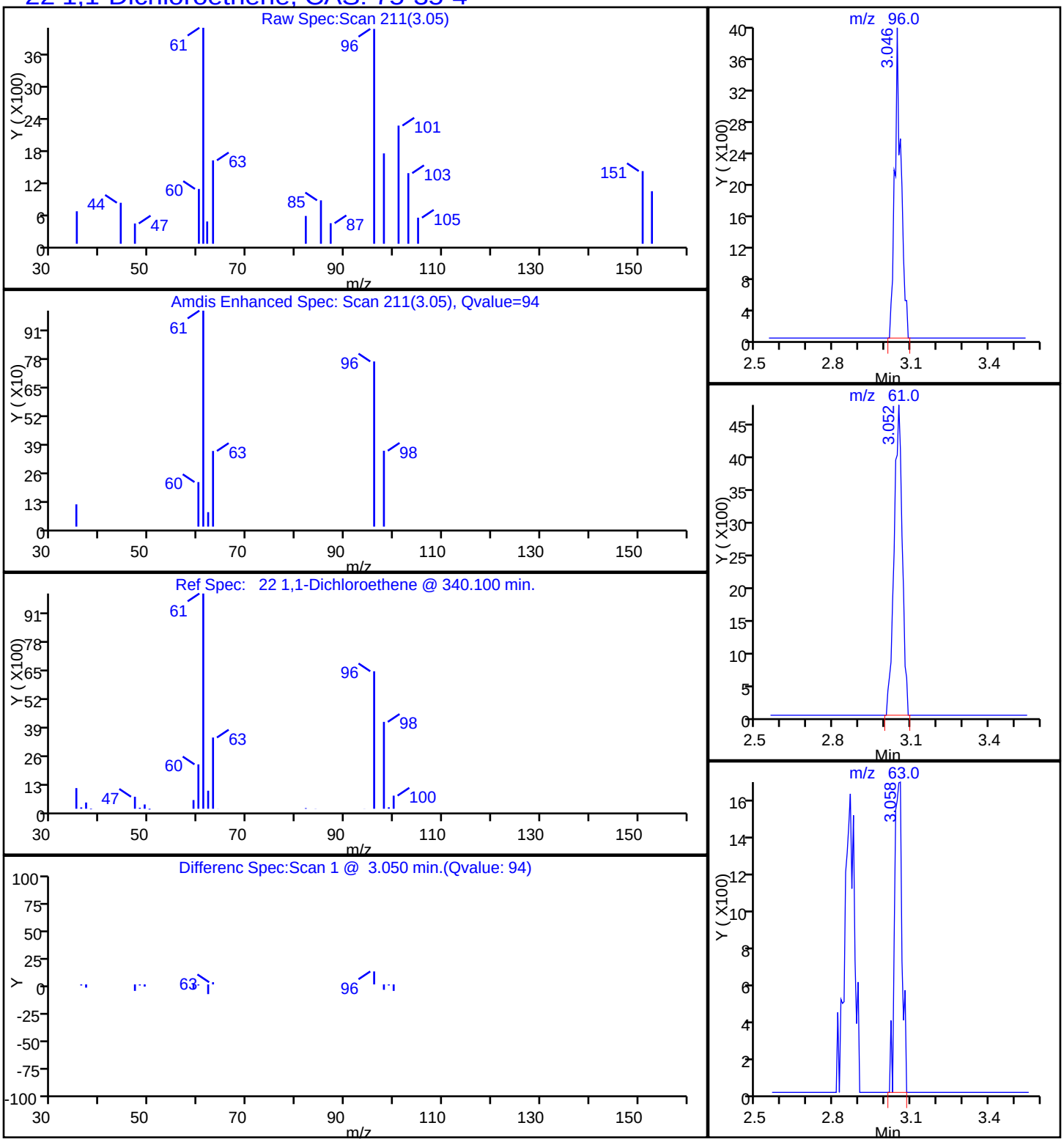
Report Date: 14-Jun-2016 19:15:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

22 1,1-Dichloroethene, CAS: 75-35-4



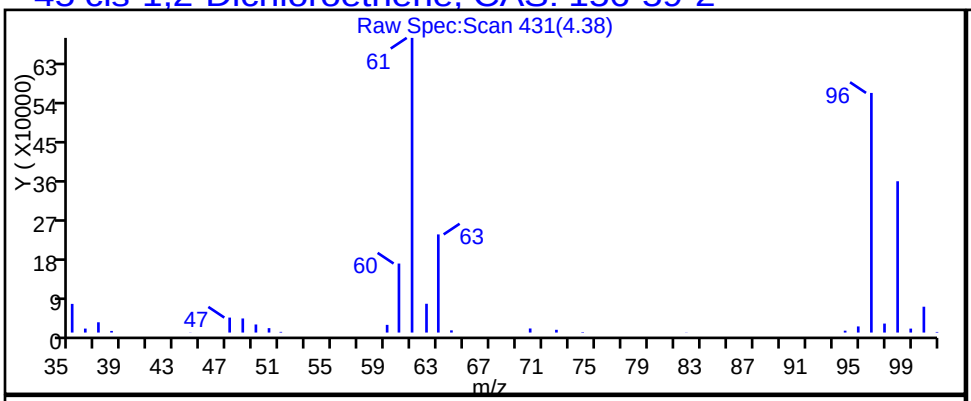
Report Date: 14-Jun-2016 19:15:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

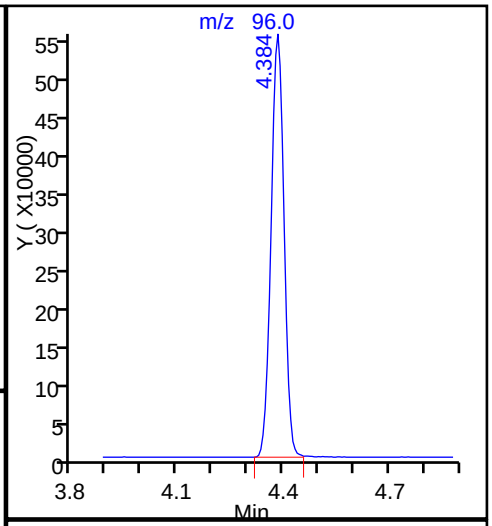
TestAmerica Buffalo

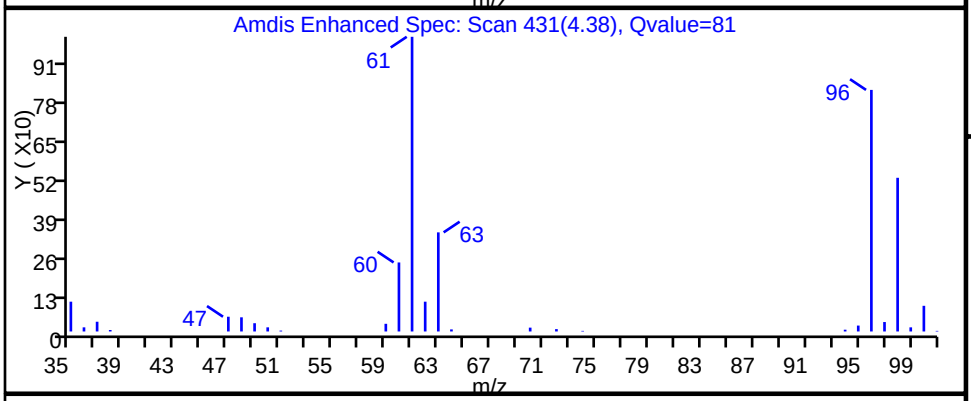
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

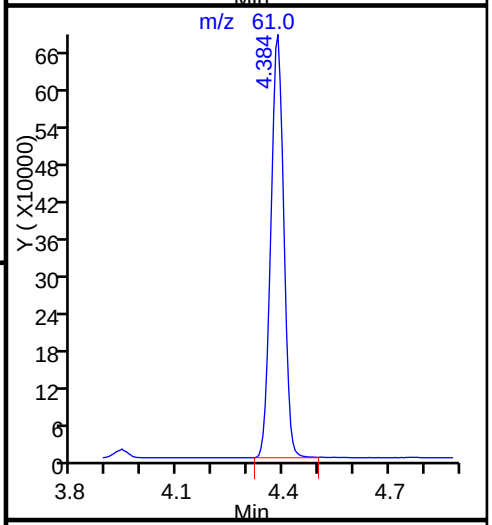
Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

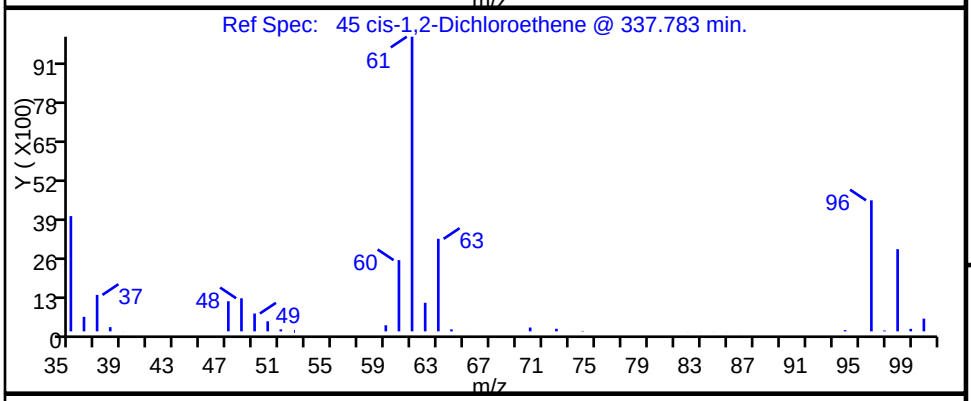
45 cis-1,2-Dichloroethene, CAS: 156-59-2

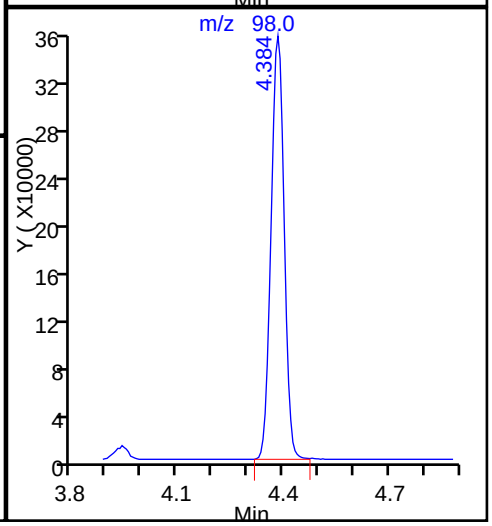


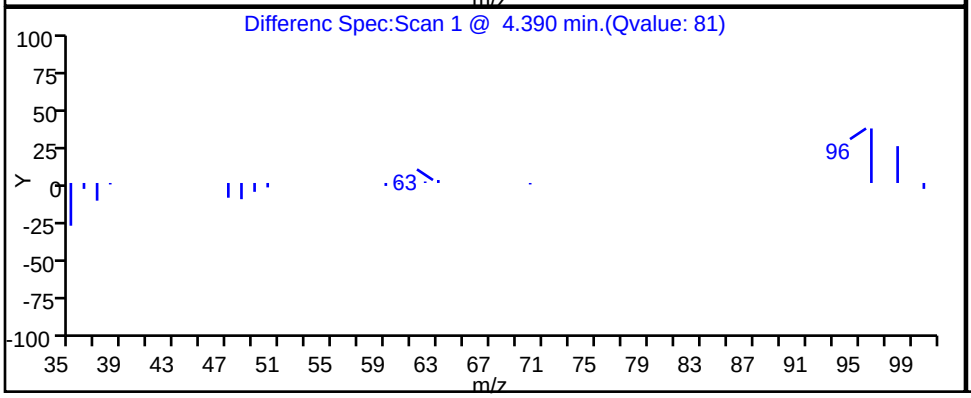












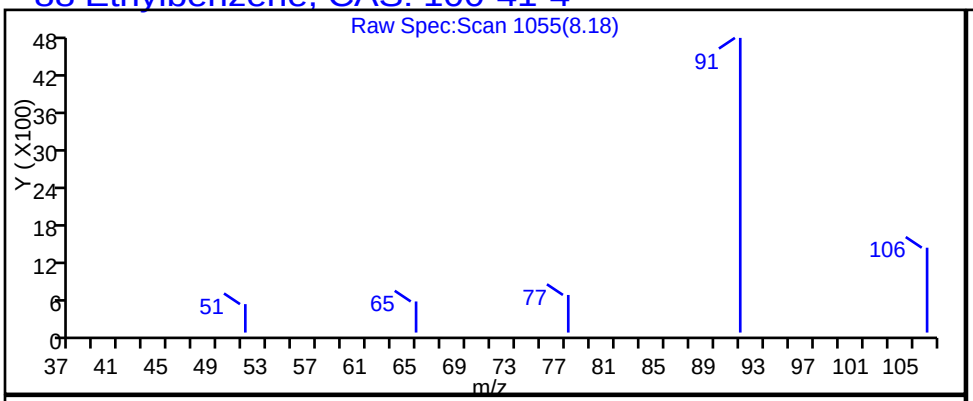
Report Date: 14-Jun-2016 19:15:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

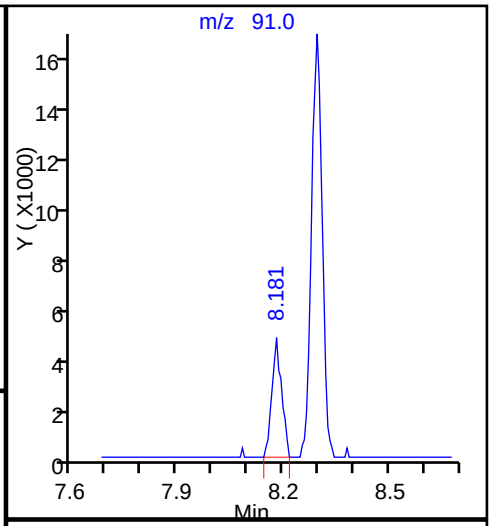
TestAmerica Buffalo

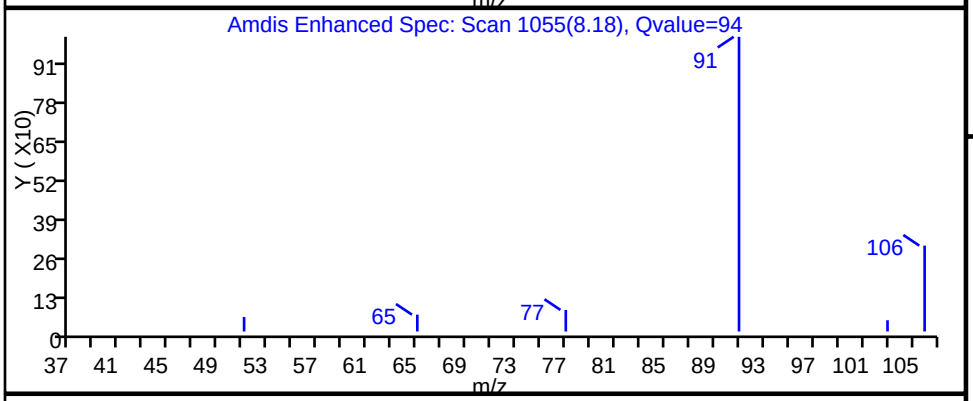
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

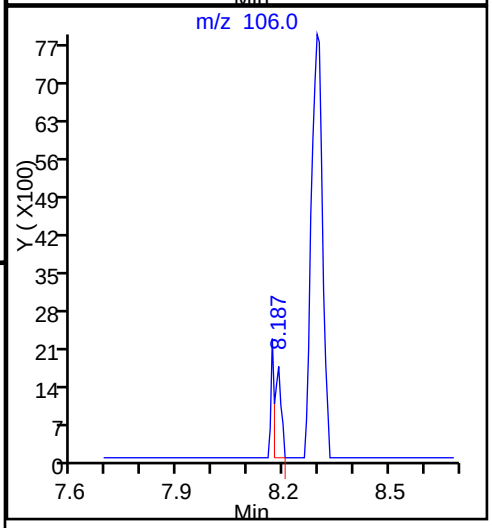
Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

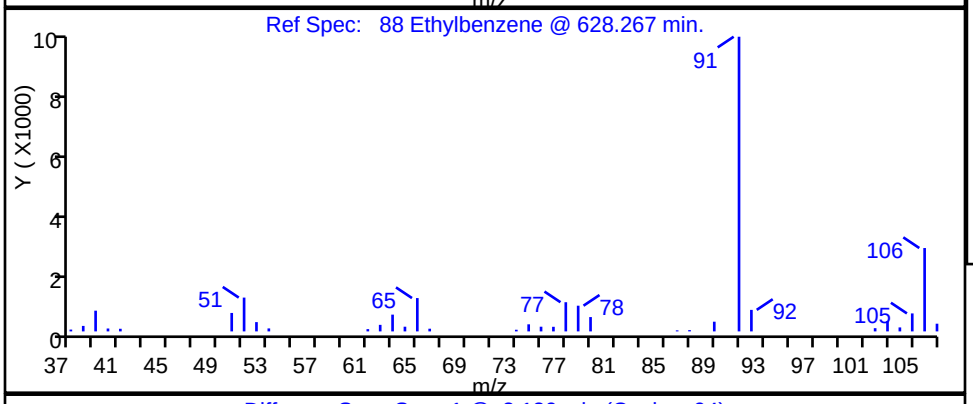
88 Ethylbenzene, CAS: 100-41-4

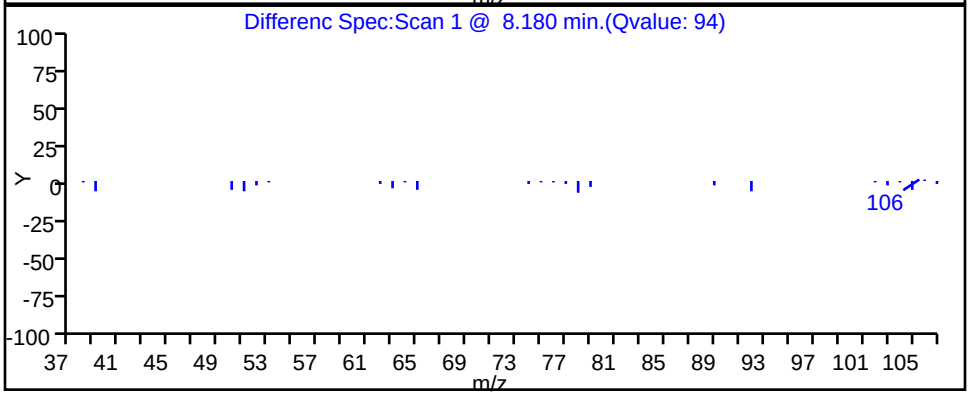












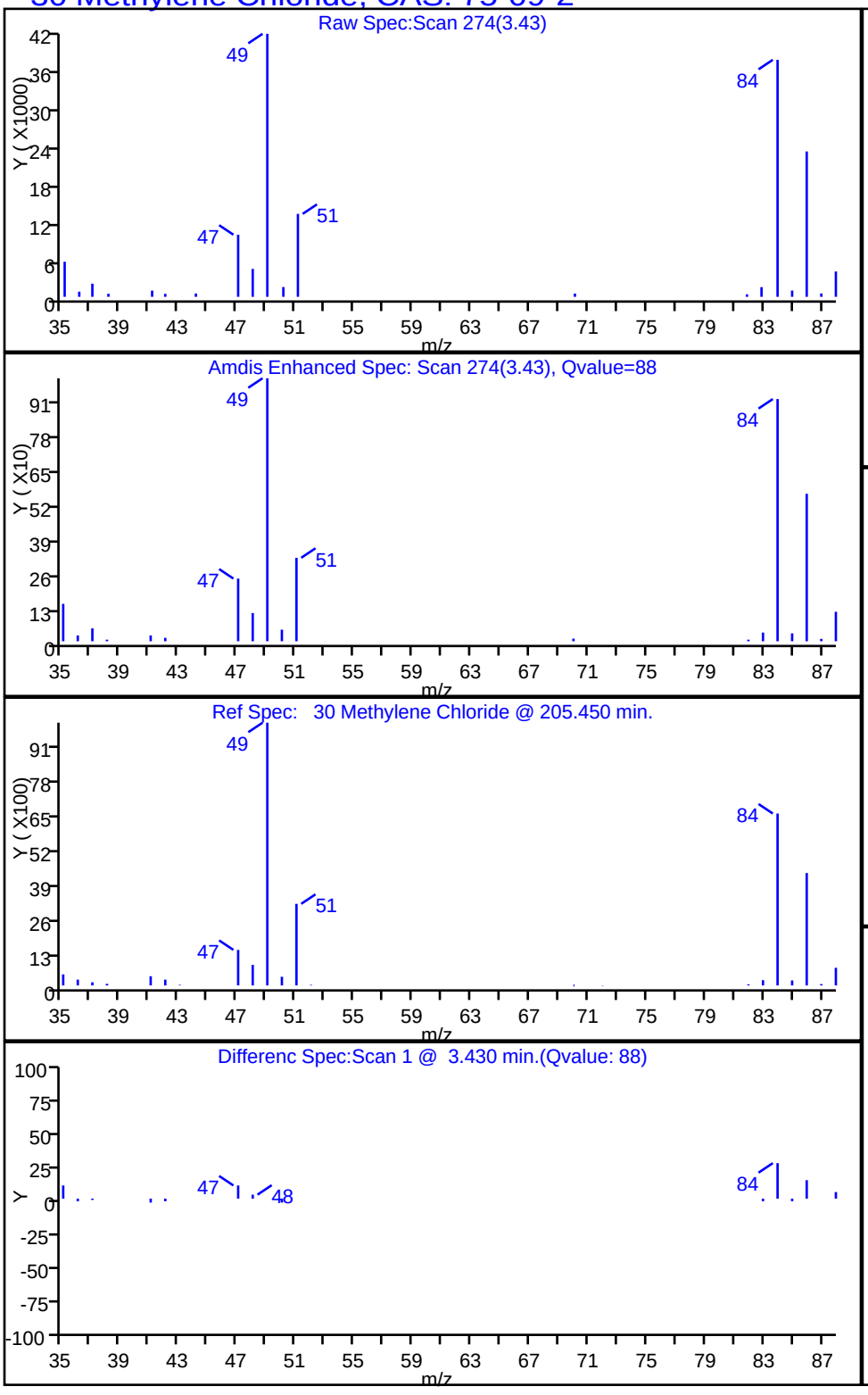
Report Date: 14-Jun-2016 19:15:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

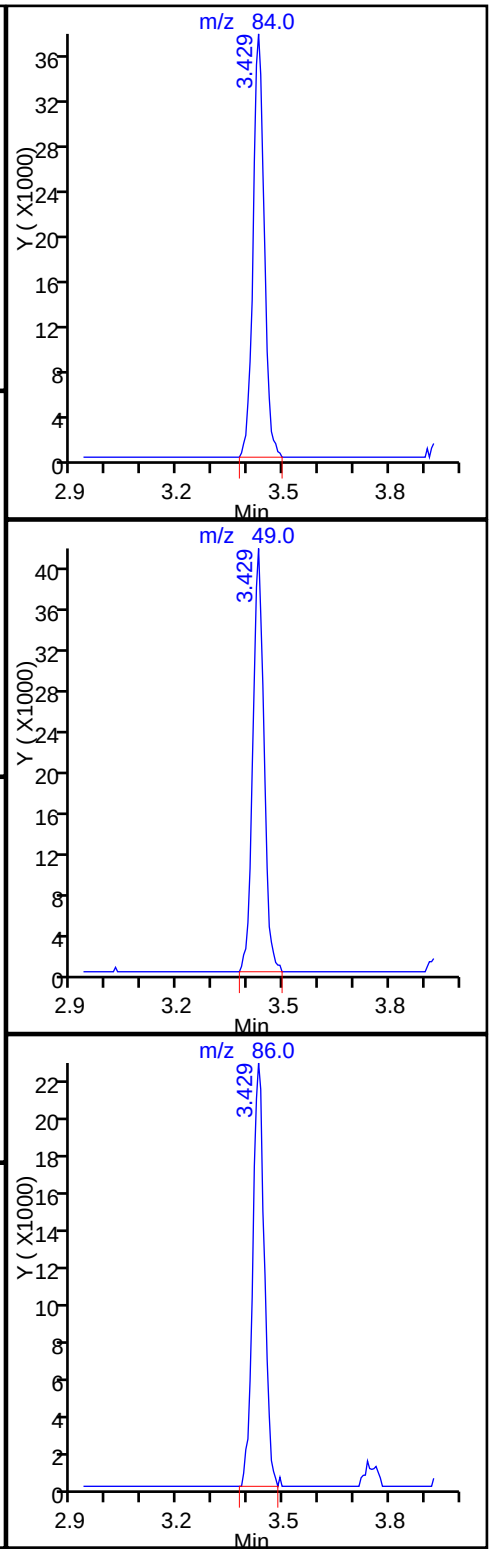
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





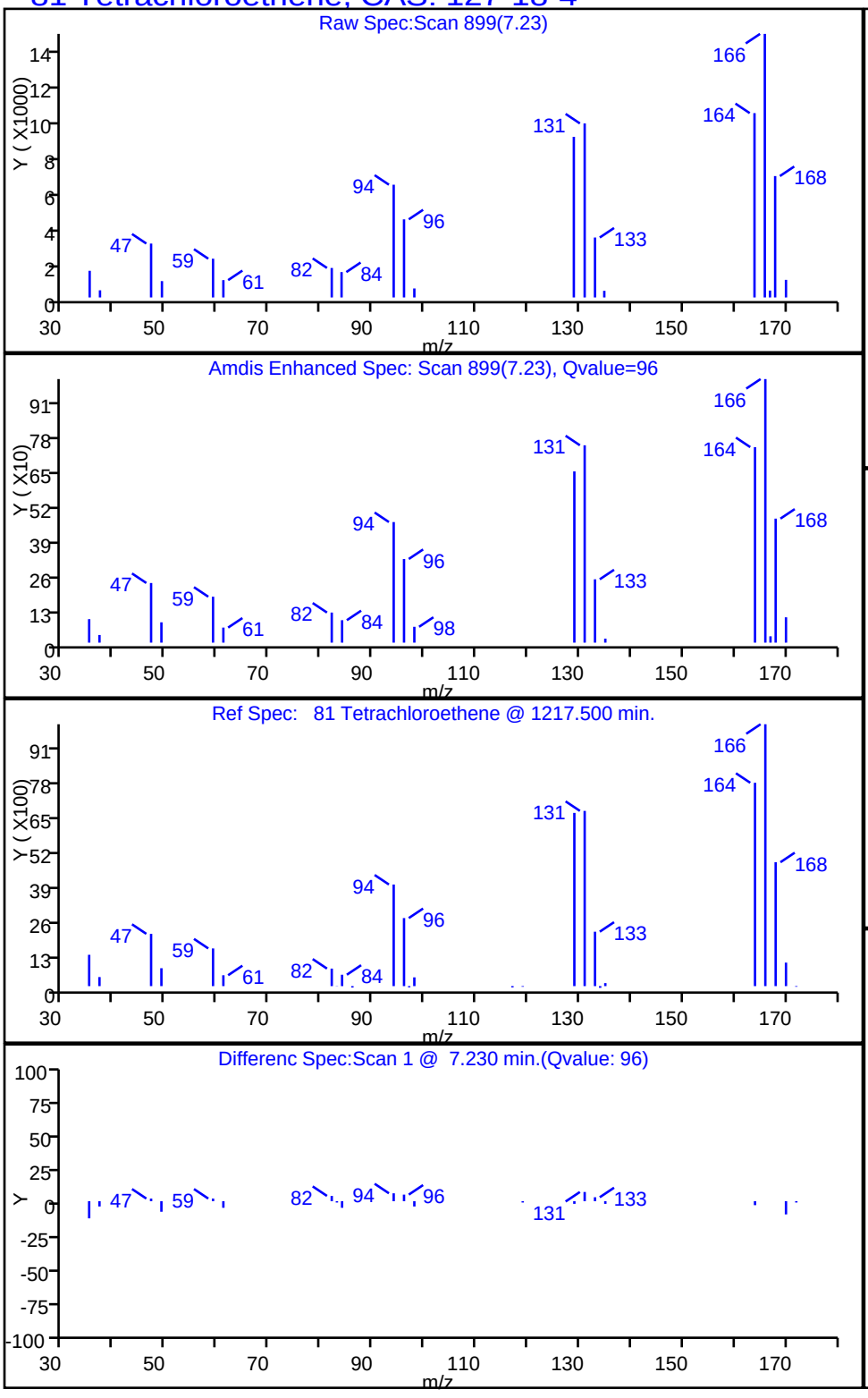
Report Date: 14-Jun-2016 19:15:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

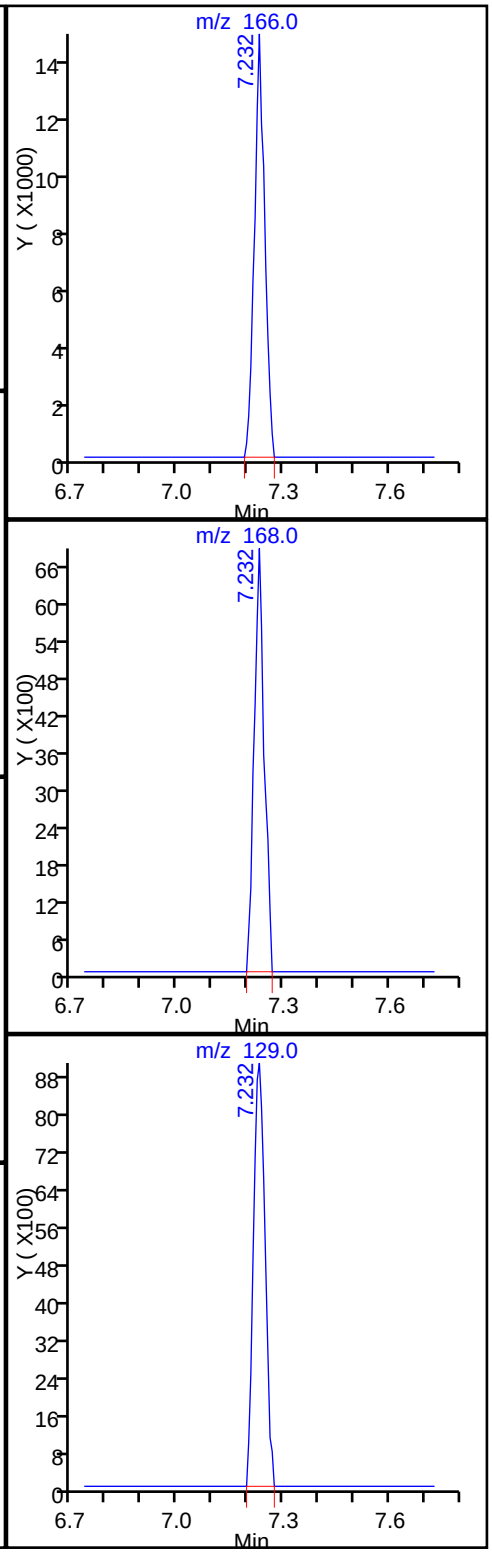
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36
Client ID:	B103-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	3 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



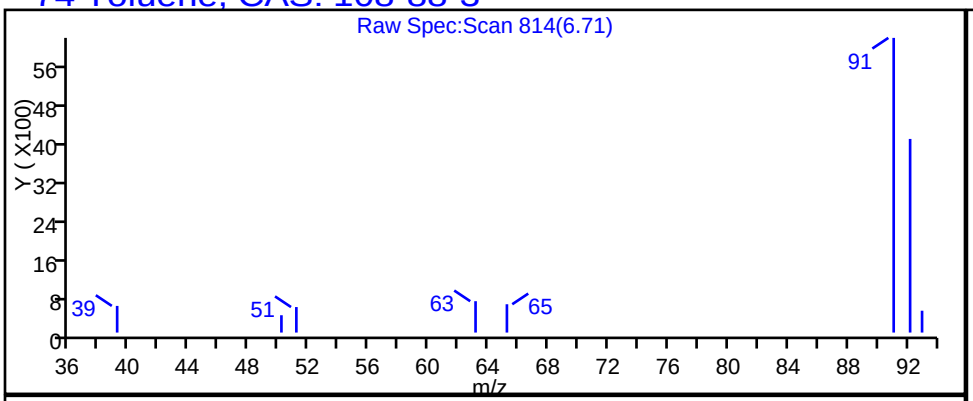


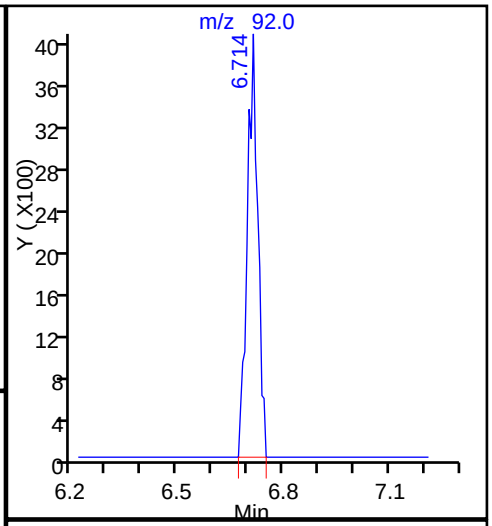
TestAmerica Buffalo

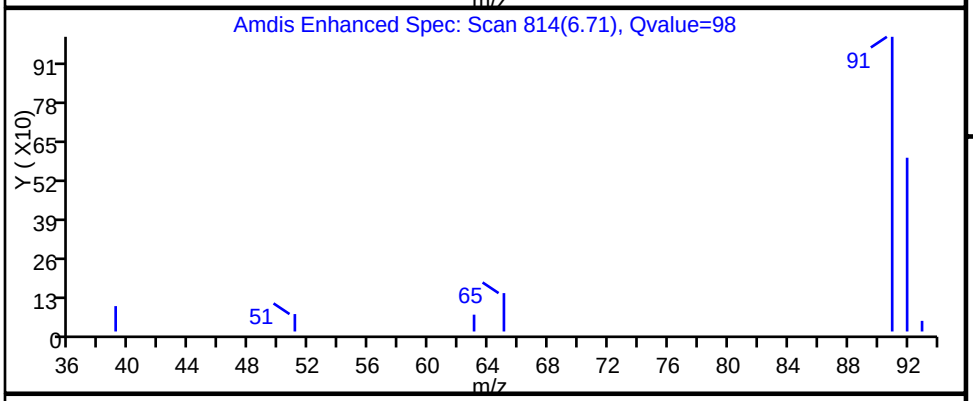
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

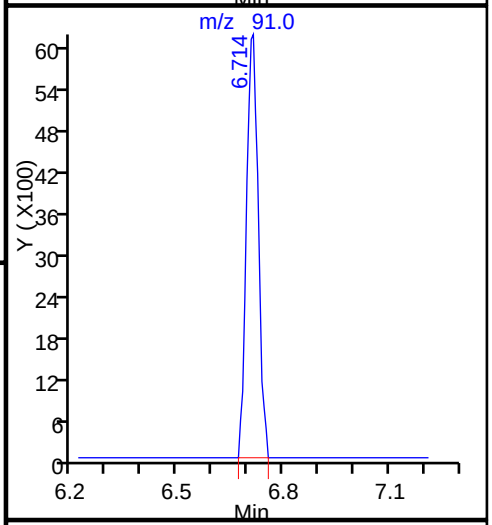
Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36
Client ID:	B103-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	3 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

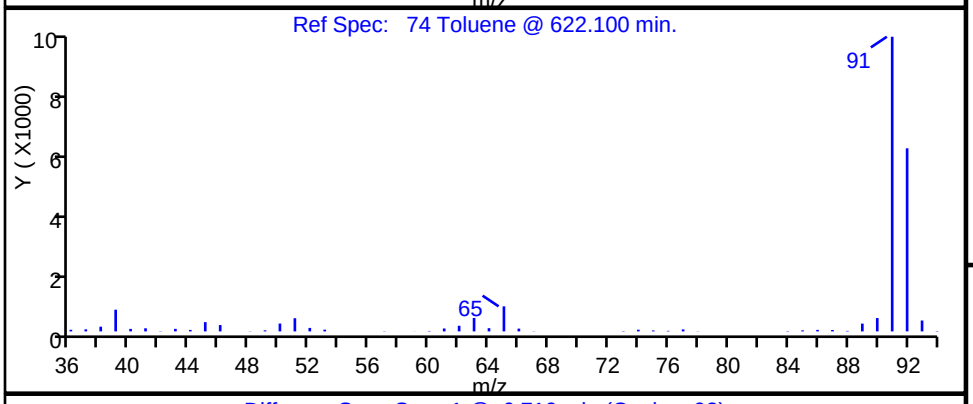
74 Toluene, CAS: 108-88-3

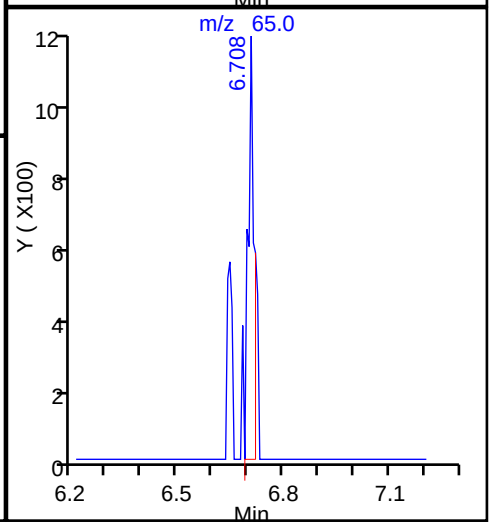


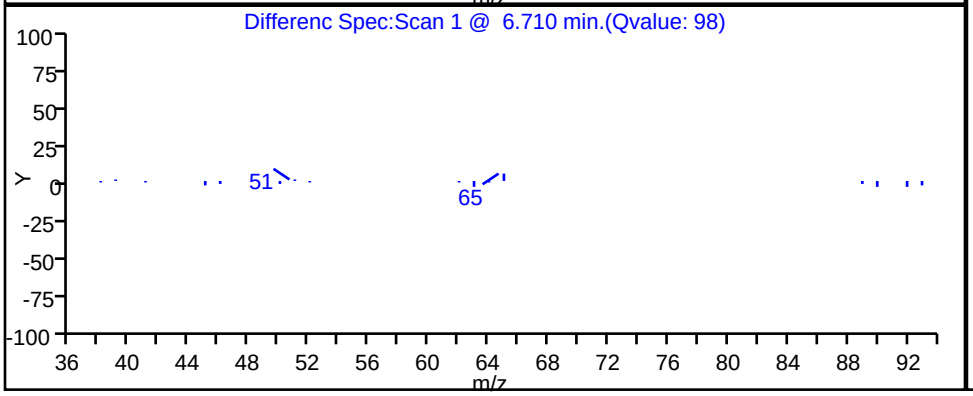












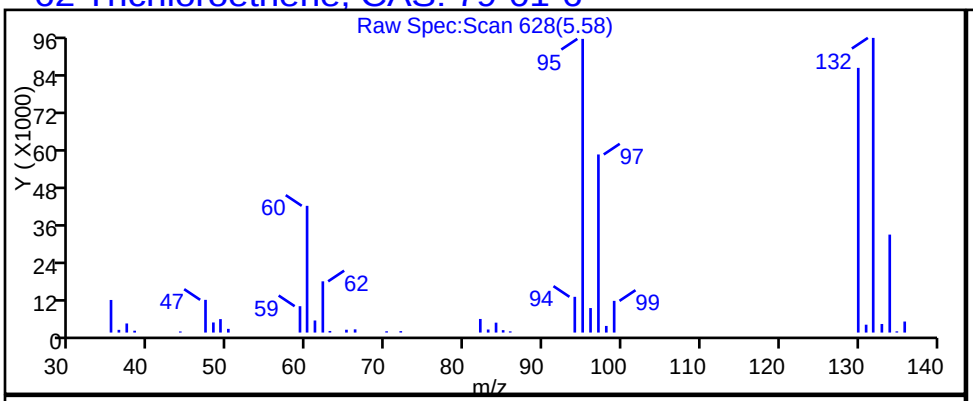
Report Date: 14-Jun-2016 19:15:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

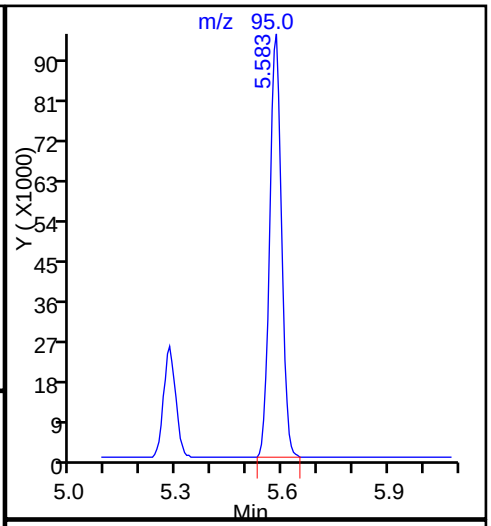
TestAmerica Buffalo

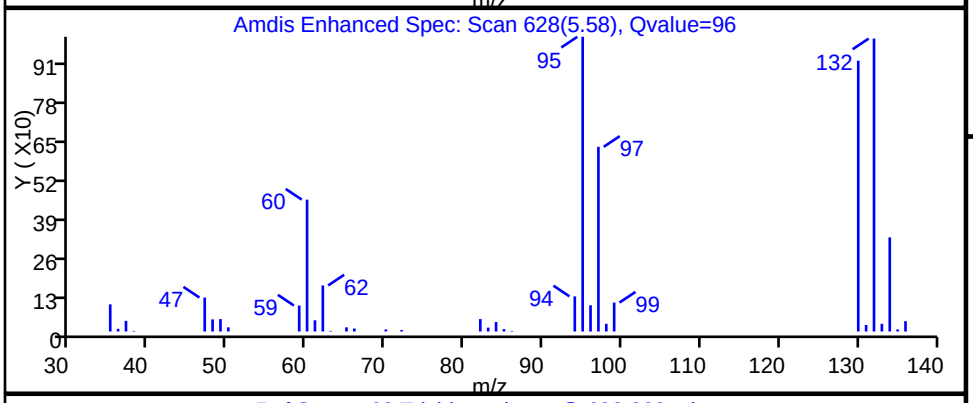
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

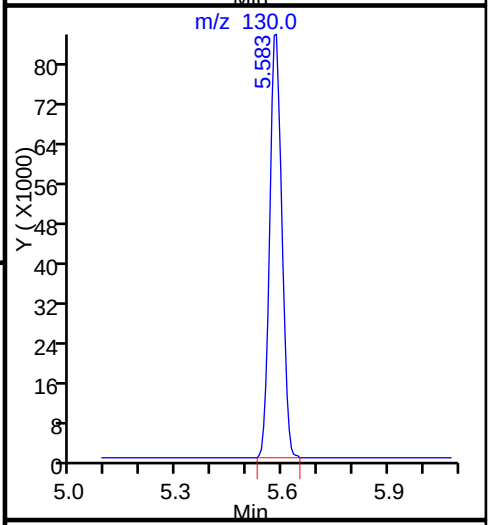
Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

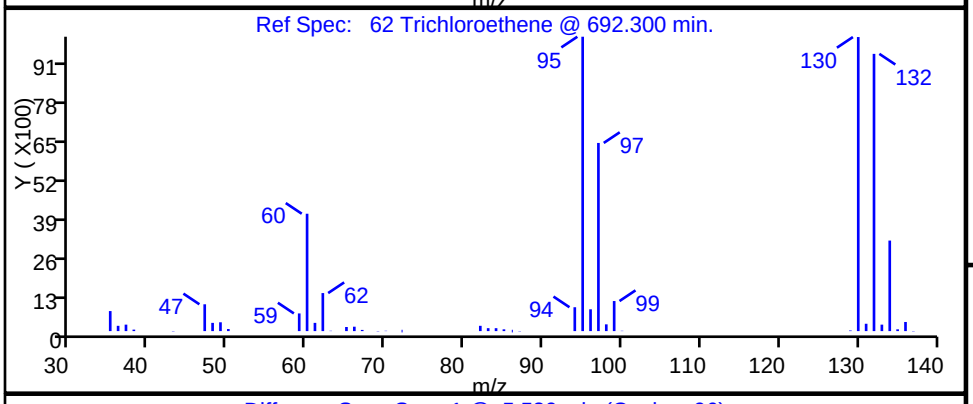
62 Trichloroethene, CAS: 79-01-6

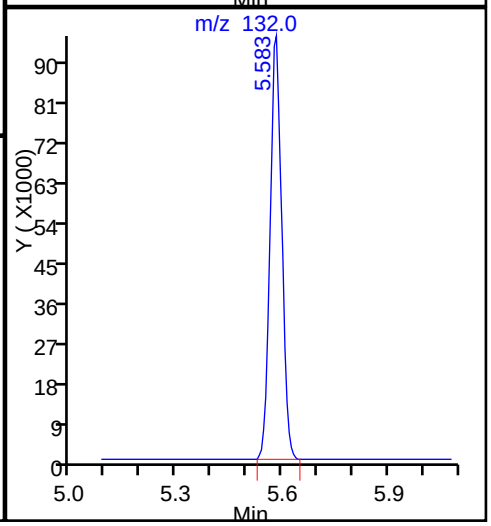


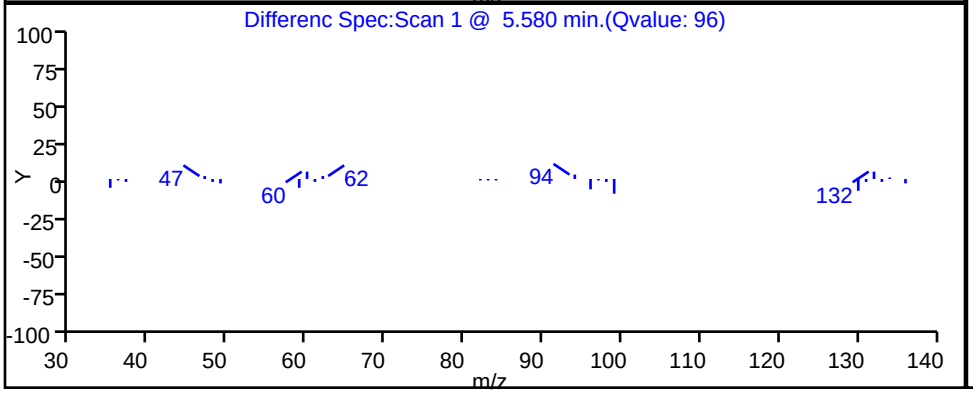












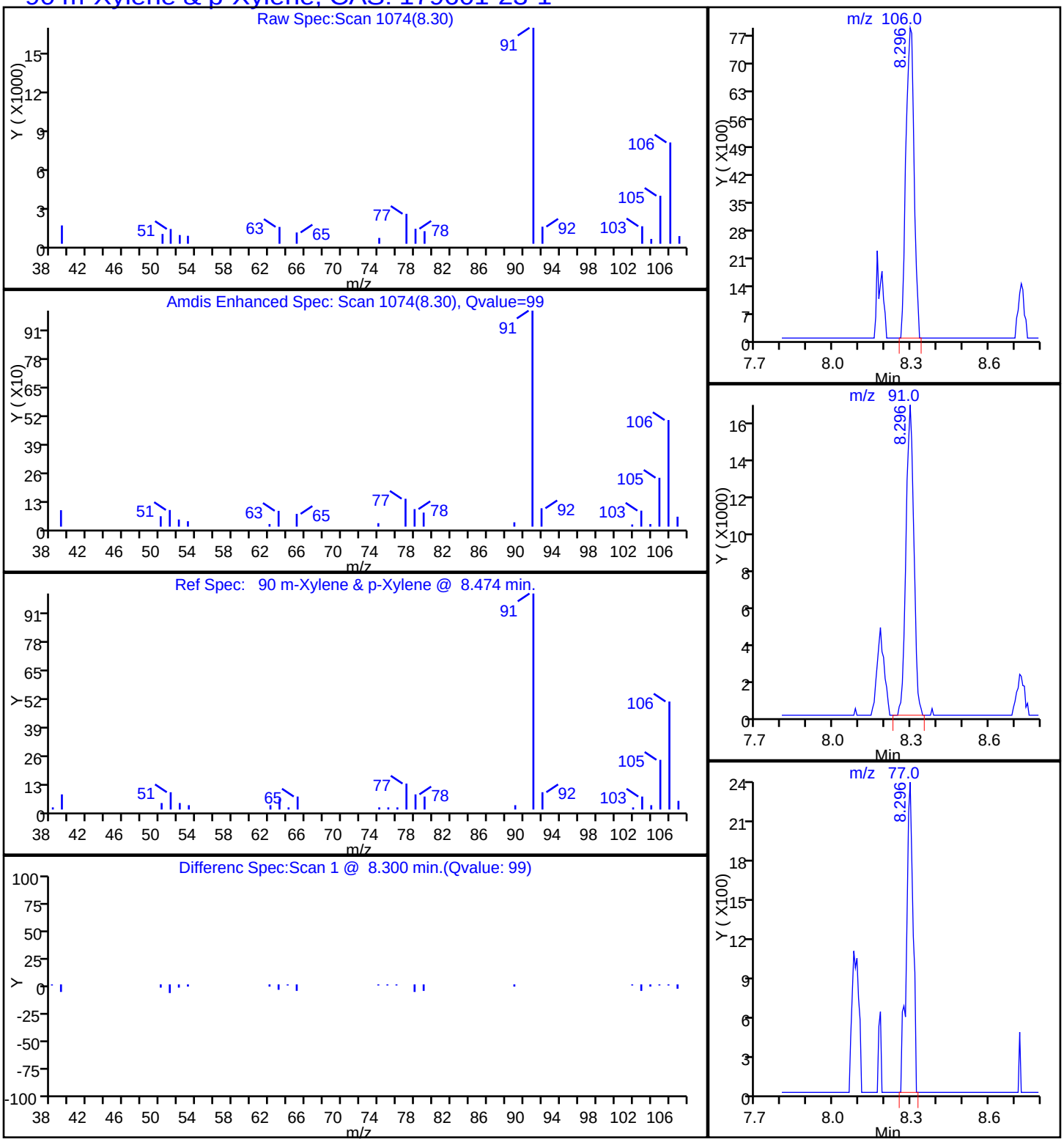
Report Date: 14-Jun-2016 19:15:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D

Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

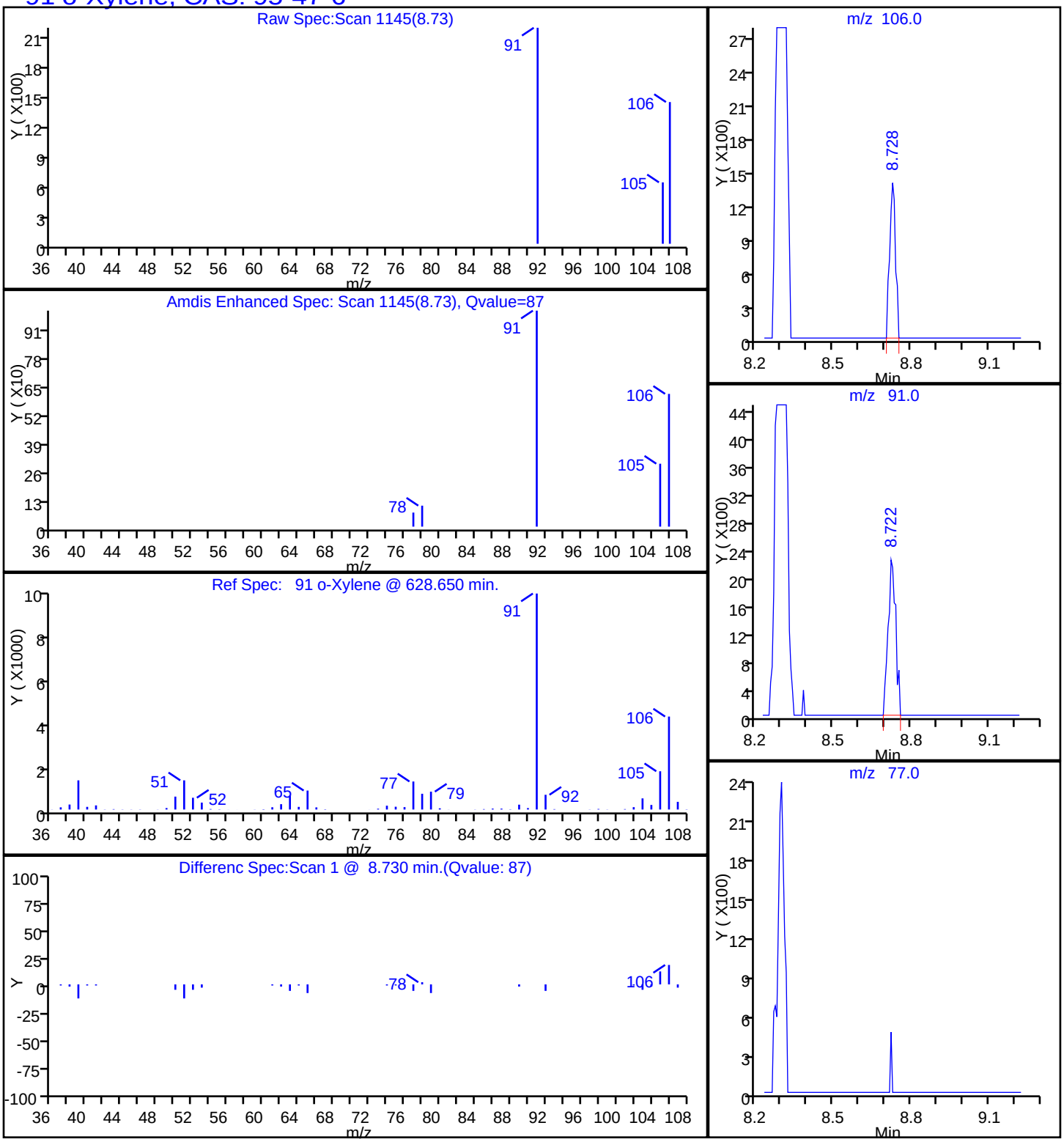
90 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7207.D				
Injection Date:	14-Jun-2016 13:26:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-36-B	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S2 DL | Lab Sample ID: 480-101258-36 DL

Matrix: Solid | Lab File ID: N4674.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:30

Sample wt/vol: 5.23(g) | Date Analyzed: 06/15/2016 18:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 6.5 | Level: (low/med) Medium

Analysis Batch No.: 306755 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		110	29
79-34-5	1,1,2,2-Tetrachloroethane	ND		110	17
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	53
79-00-5	1,1,2-Trichloroethane	ND		110	22
75-34-3	1,1-Dichloroethane	560		110	33
75-35-4	1,1-Dichloroethene	ND		110	37
120-82-1	1,2,4-Trichlorobenzene	ND		110	40
96-12-8	1,2-Dibromo-3-Chloropropane	ND		110	53
106-93-4	1,2-Dibromoethane	ND		110	19
95-50-1	1,2-Dichlorobenzene	ND		110	27
107-06-2	1,2-Dichloroethane	ND		110	43
78-87-5	1,2-Dichloropropane	ND	*	110	17
541-73-1	1,3-Dichlorobenzene	ND		110	28
106-46-7	1,4-Dichlorobenzene	ND		110	15
78-93-3	2-Butanone (MEK)	ND		530	310
591-78-6	2-Hexanone	ND		530	220
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		530	34
67-64-1	Acetone	ND		530	430
71-43-2	Benzene	ND		110	20
75-27-4	Bromodichloromethane	ND		110	21
75-25-2	Bromoform	ND		110	53
74-83-9	Bromomethane	ND		110	23
75-15-0	Carbon disulfide	ND		110	48
56-23-5	Carbon tetrachloride	ND		110	27
108-90-7	Chlorobenzene	ND		110	14
75-00-3	Chloroethane	ND		110	22
67-66-3	Chloroform	ND		110	73
74-87-3	Chloromethane	ND		110	25
156-59-2	cis-1,2-Dichloroethene	2100		110	29
10061-01-5	cis-1,3-Dichloropropene	ND		110	25
110-82-7	Cyclohexane	ND	*	110	23
124-48-1	Dibromochloromethane	ND		110	51
75-71-8	Dichlorodifluoromethane	ND		110	46
100-41-4	Ethylbenzene	ND		110	31
98-82-8	Isopropylbenzene	ND		110	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B103-AREA2-S2 DL | Lab Sample ID: 480-101258-36 DL

Matrix: Solid | Lab File ID: N4674.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:30

Sample wt/vol: 5.23(g) | Date Analyzed: 06/15/2016 18:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 6.5 | Level: (low/med) Medium

Analysis Batch No.: 306755 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		110	50
1634-04-4	Methyl tert-butyl ether	ND		110	40
108-87-2	Methylcyclohexane	ND		110	50
75-09-2	Methylene Chloride	ND		110	21
100-42-5	Styrene	ND		110	25
127-18-4	Tetrachloroethene	180		110	14
108-88-3	Toluene	ND		110	28
156-60-5	trans-1,2-Dichloroethene	ND		110	25
10061-02-6	trans-1,3-Dichloropropene	ND		110	10
79-01-6	Trichloroethene	720		110	29
75-69-4	Trichlorofluoromethane	ND		110	50
75-01-4	Vinyl chloride	ND		110	35
1330-20-7	Xylenes, Total	ND		210	59

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		53-146
460-00-4	4-Bromofluorobenzene (Surr)	112		49-148
2037-26-5	Toluene-d8 (Surr)	92		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4674.D
Lims ID: 480-101258-A-36-C
Client ID: B103-AREA2-S2
Sample Type: Client
Inject. Date: 15-Jun-2016 18:31:30 ALS Bottle#: 48 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-36-C
Misc. Info.: 480-0054051-023
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 18:51:28 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 15-Jun-2016 18:51:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	85016	25.0	
* 2 Chlorobenzene-d5	117	8.564	8.558	0.006	90	298705	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	141477	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	137269	26.7	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	382956	23.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	88	125816	27.9	
11 Dichlorodifluoromethane	85		1.391				ND	
13 Chloromethane	50		1.555				ND	
14 Vinyl chloride	62		1.665				ND	
15 Bromomethane	94		1.969				ND	
16 Chloroethane	64		2.078				ND	
18 Trichlorofluoromethane	101		2.328				ND	
22 1,1-Dichloroethene	96		2.808				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821				ND	
23 Acetone	43		2.900				ND	
25 Carbon disulfide	76		3.003				ND	
28 Methyl acetate	43		3.204				ND	
30 Methylene Chloride	84	3.307	3.301	0.006	88	5076	0.1849	
32 Methyl tert-butyl ether	73		3.538				ND	
33 trans-1,2-Dichloroethene	96		3.545				ND	
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	42339	5.26	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	85	87728	19.5	
44 2-Butanone (MEK)	43		4.530				ND	
50 Chloroform	83		4.816				ND	
51 1,1,1-Trichloroethane	97		4.944				ND	
52 Cyclohexane	56		4.968				ND	
53 Carbon tetrachloride	117		5.090				ND	
55 Benzene	78		5.297				ND	
57 1,2-Dichloroethane	62		5.345				ND	
60 Trichloroethene	95	5.911	5.911	0.000	94	24934	6.81	
62 Methylcyclohexane	83		6.051				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.136				ND	
67 Dichlorobromomethane	83		6.422				ND	
71 cis-1,3-Dichloropropene	75		6.842				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982				ND	
73 Toluene	92		7.146				ND	
75 trans-1,3-Dichloropropene	75		7.402				ND	
78 1,1,2-Trichloroethane	83		7.590				ND	
79 Tetrachloroethene	166	7.687	7.687	0.000	90	6421	1.72	
82 2-Hexanone	43		7.821				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
85 Chlorobenzene	112		8.588				ND	
88 Ethylbenzene	91		8.691				ND	
90 m-Xylene & p-Xylene	106		8.813				ND	
91 o-Xylene	106		9.239				ND	
92 Styrene	104		9.263				ND	
93 Bromoform	173		9.494				ND	
95 Isopropylbenzene	105		9.622				ND	
98 1,1,2,2-Tetrachloroethane	83		9.987				ND	
110 1,3-Dichlorobenzene	146		10.869				ND	
113 1,4-Dichlorobenzene	146		10.960				ND	
116 1,2-Dichlorobenzene	146		11.307				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.025				ND	
119 1,2,4-Trichlorobenzene	180		12.712				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

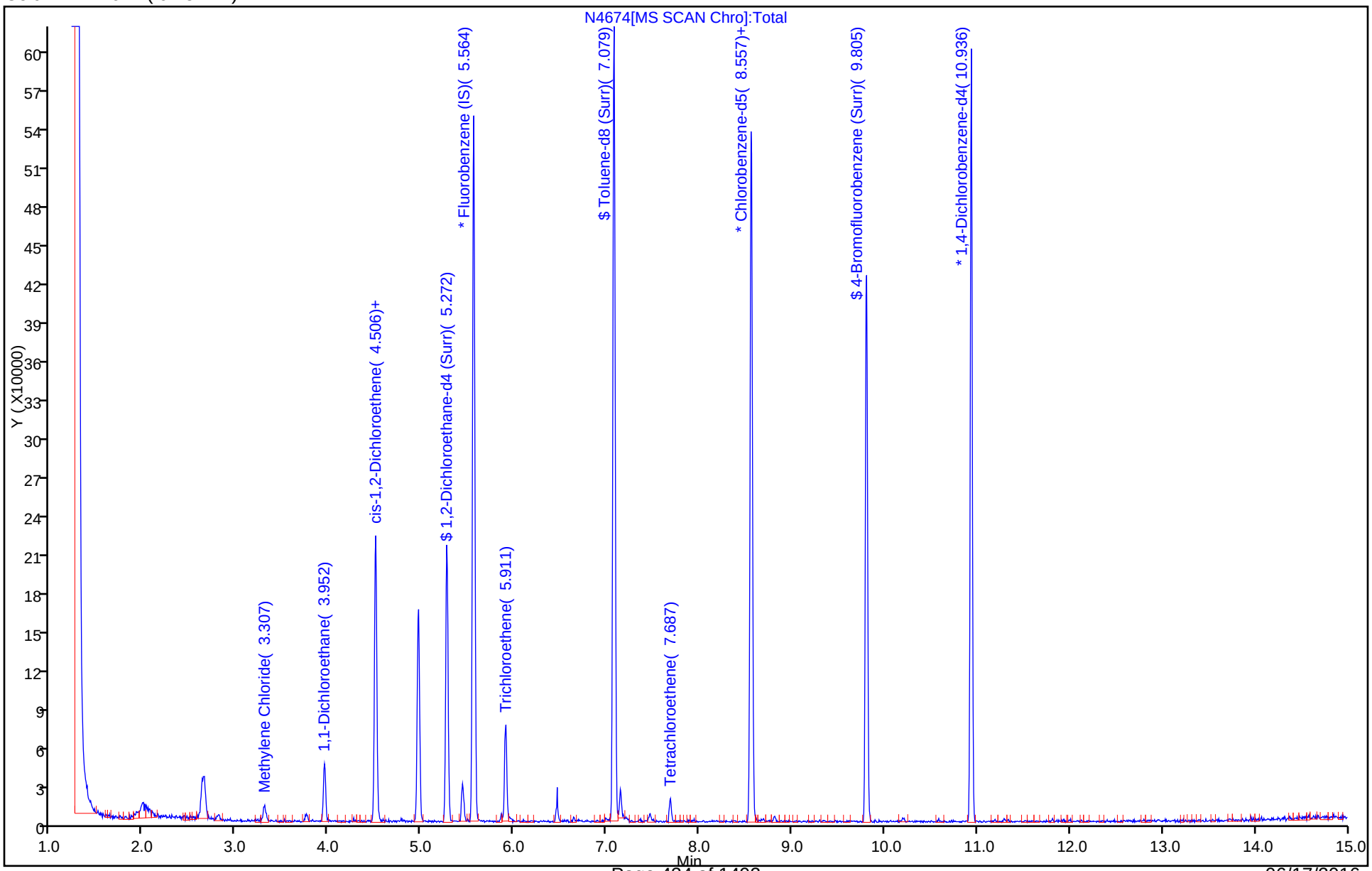
Report Date: 15-Jun-2016 18:51:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4674.D

Injection Date:	15-Jun-2016 18:31:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-101258-A-36-C	Lab Sample ID:	480-101258-36	Worklist Smp#:	23
Client ID:	B103-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	48
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4674.D
Lims ID: 480-101258-A-36-C
Client ID: B103-AREA2-S2
Sample Type: Client
Inject. Date: 15-Jun-2016 18:31:30 ALS Bottle#: 48 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-36-C
Misc. Info.: 480-0054051-023
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 18:51:28 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: fortaing Date: 15-Jun-2016 18:51:28

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.7	106.82
$ 6 Toluene-d8 (Surr)	25.0	23.1	92.48
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.9	111.73

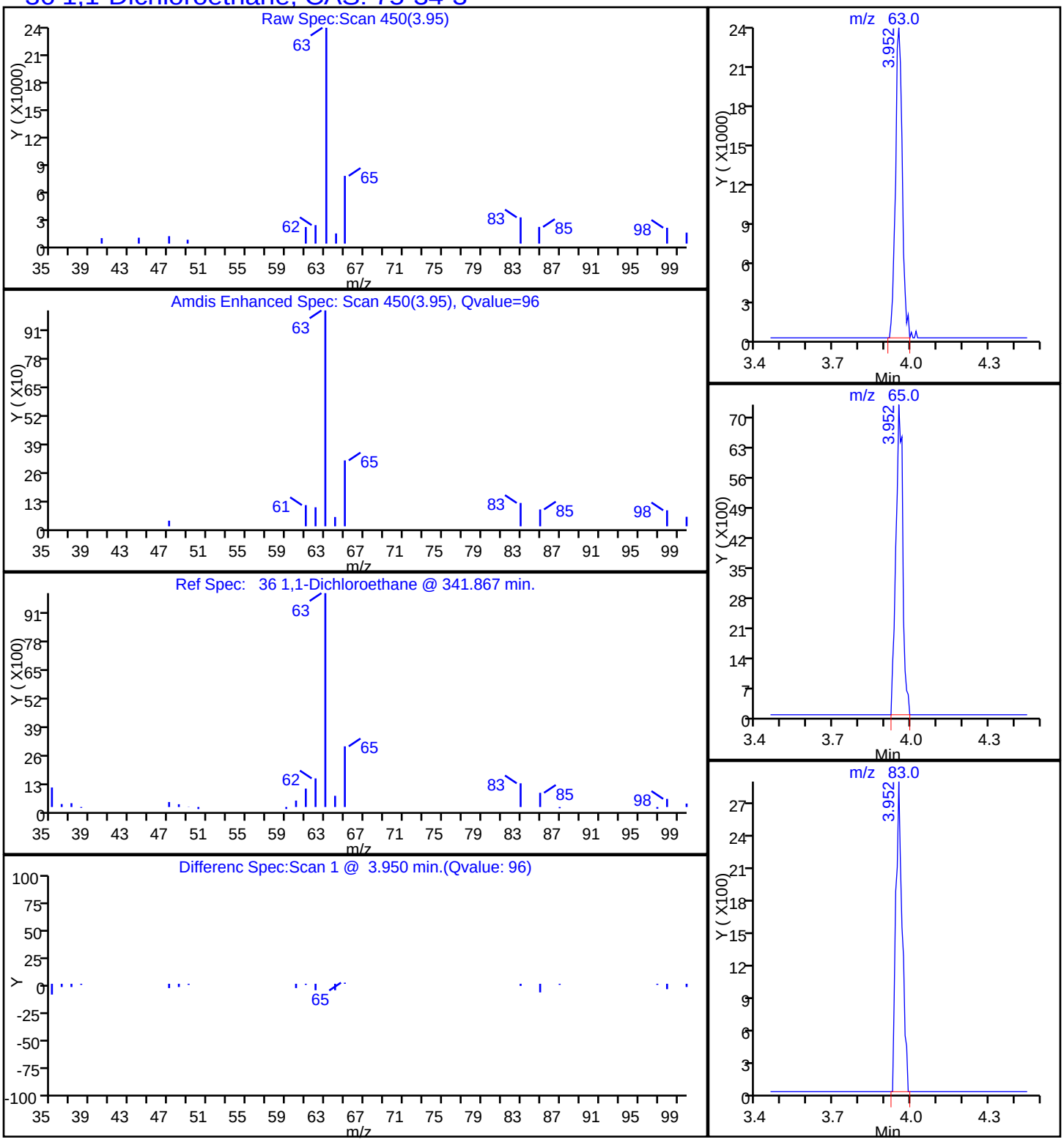
Report Date: 15-Jun-2016 18:51:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4674.D

Injection Date:	15-Jun-2016 18:31:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-36-C	Lab Sample ID:	480-101258-36
Client ID:	B103-AREA2-S2		
Operator ID:	SO	ALS Bottle#:	48 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

36 1,1-Dichloroethane, CAS: 75-34-3



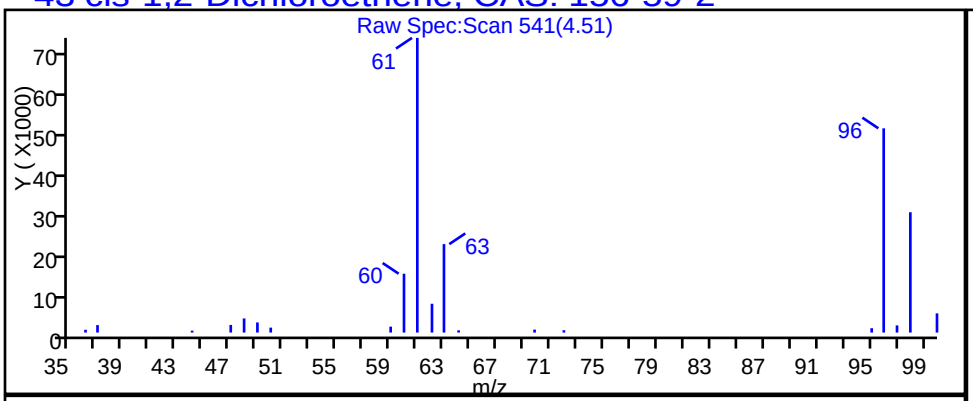
Report Date: 15-Jun-2016 18:51:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

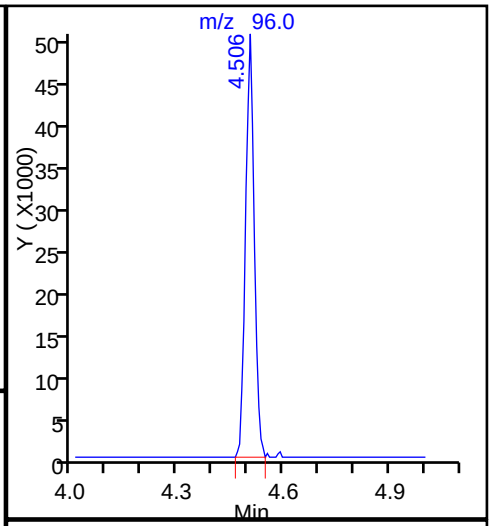
TestAmerica Buffalo

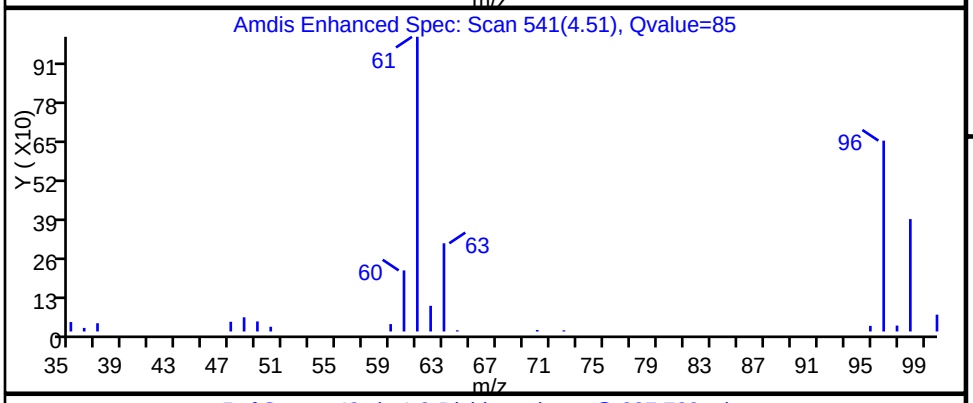
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4674.D

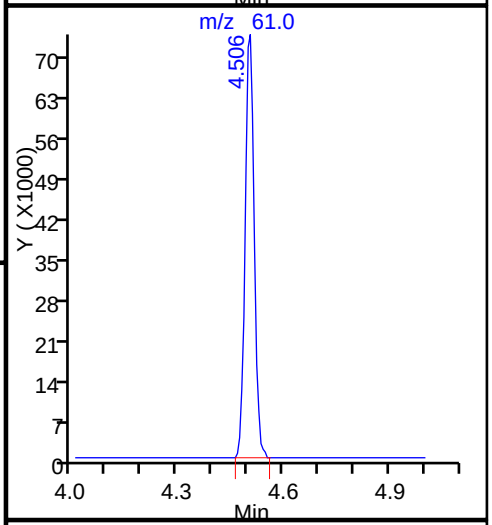
Injection Date:	15-Jun-2016 18:31:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-36-C	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	SO	ALS Bottle#:	48	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

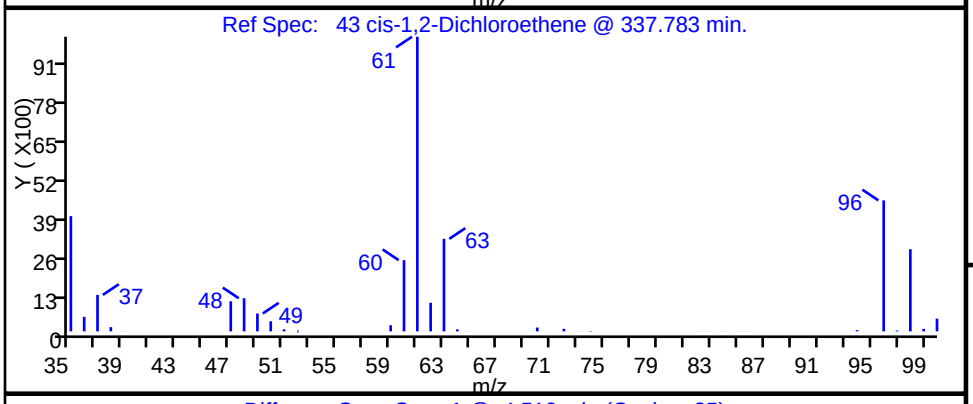
43 cis-1,2-Dichloroethene, CAS: 156-59-2

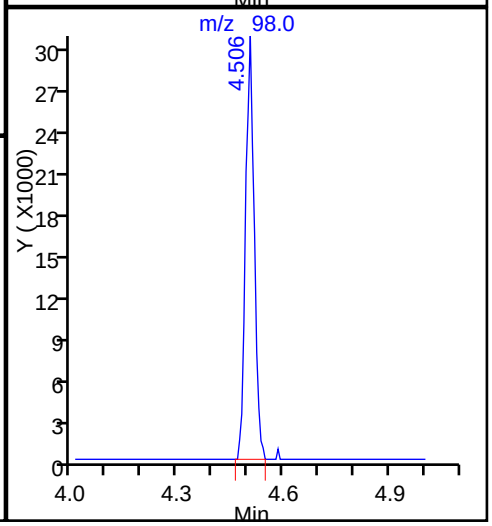


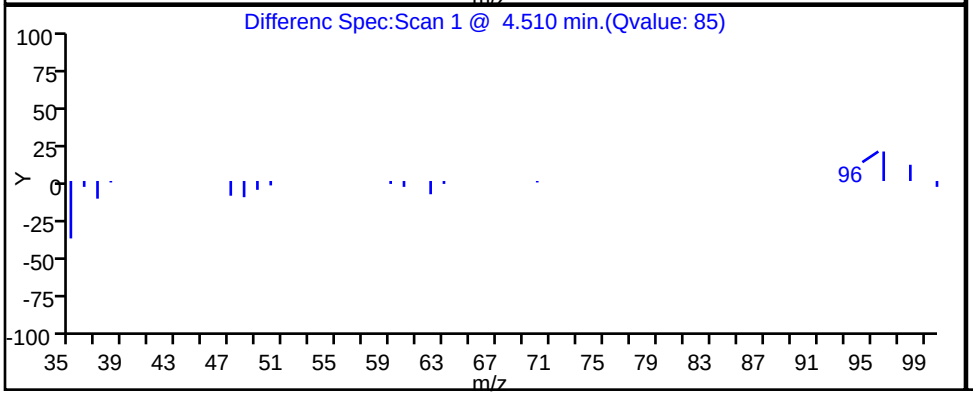












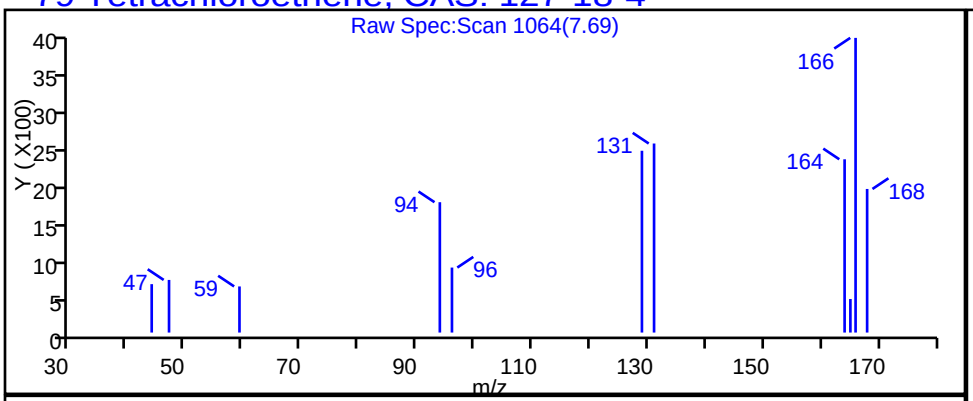
Report Date: 15-Jun-2016 18:51:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

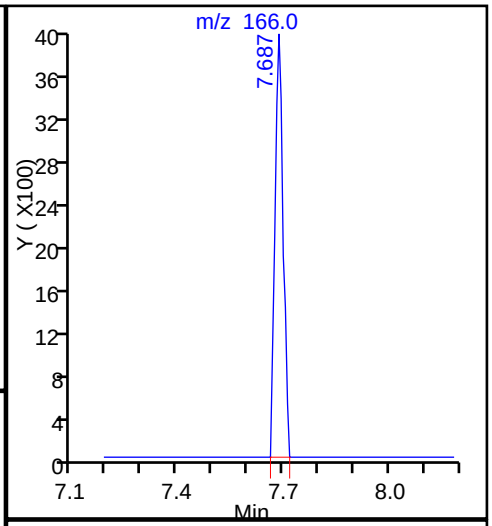
TestAmerica Buffalo

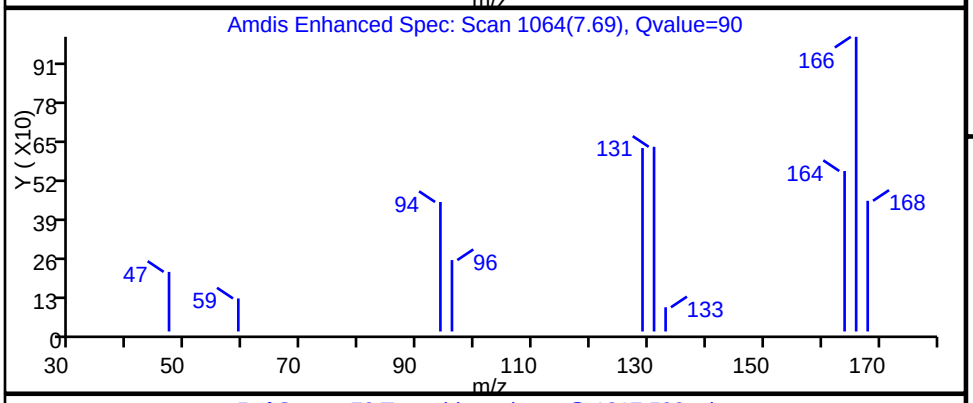
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4674.D

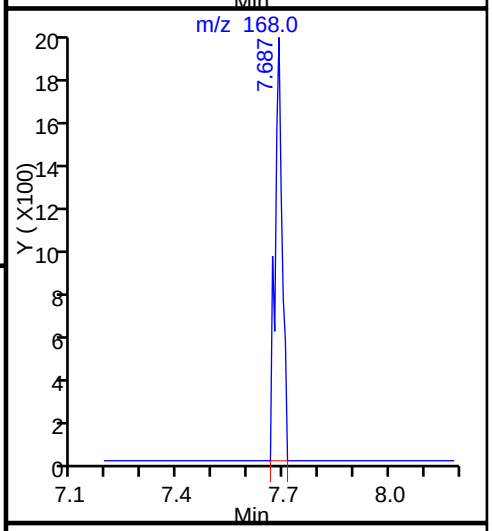
Injection Date:	15-Jun-2016 18:31:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-36-C	Lab Sample ID:	480-101258-36
Client ID:	B103-AREA2-S2		
Operator ID:	SO	ALS Bottle#:	48 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

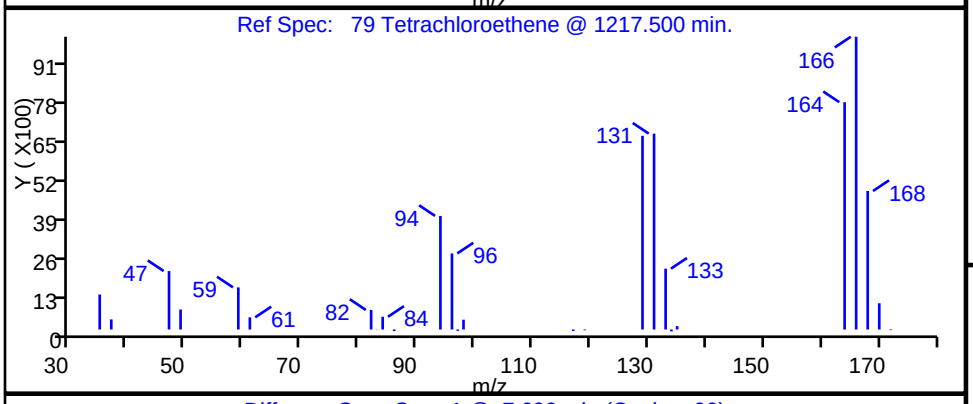
79 Tetrachloroethene, CAS: 127-18-4

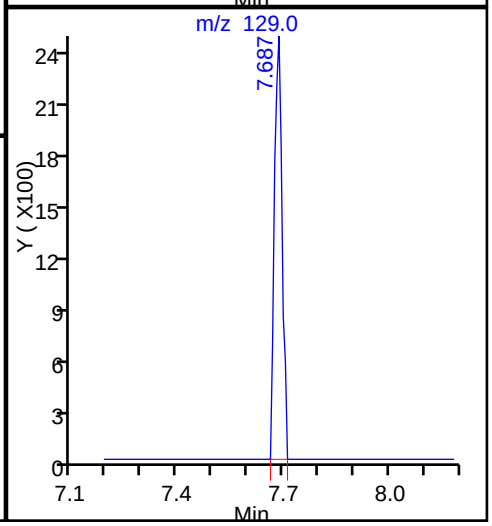


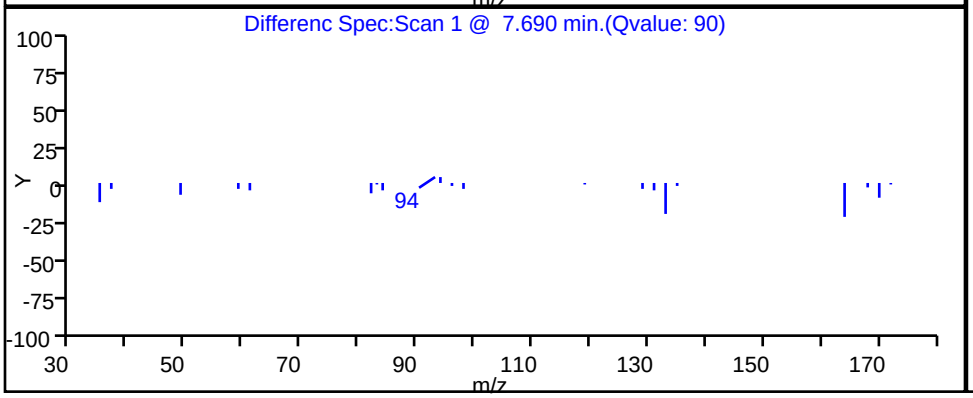












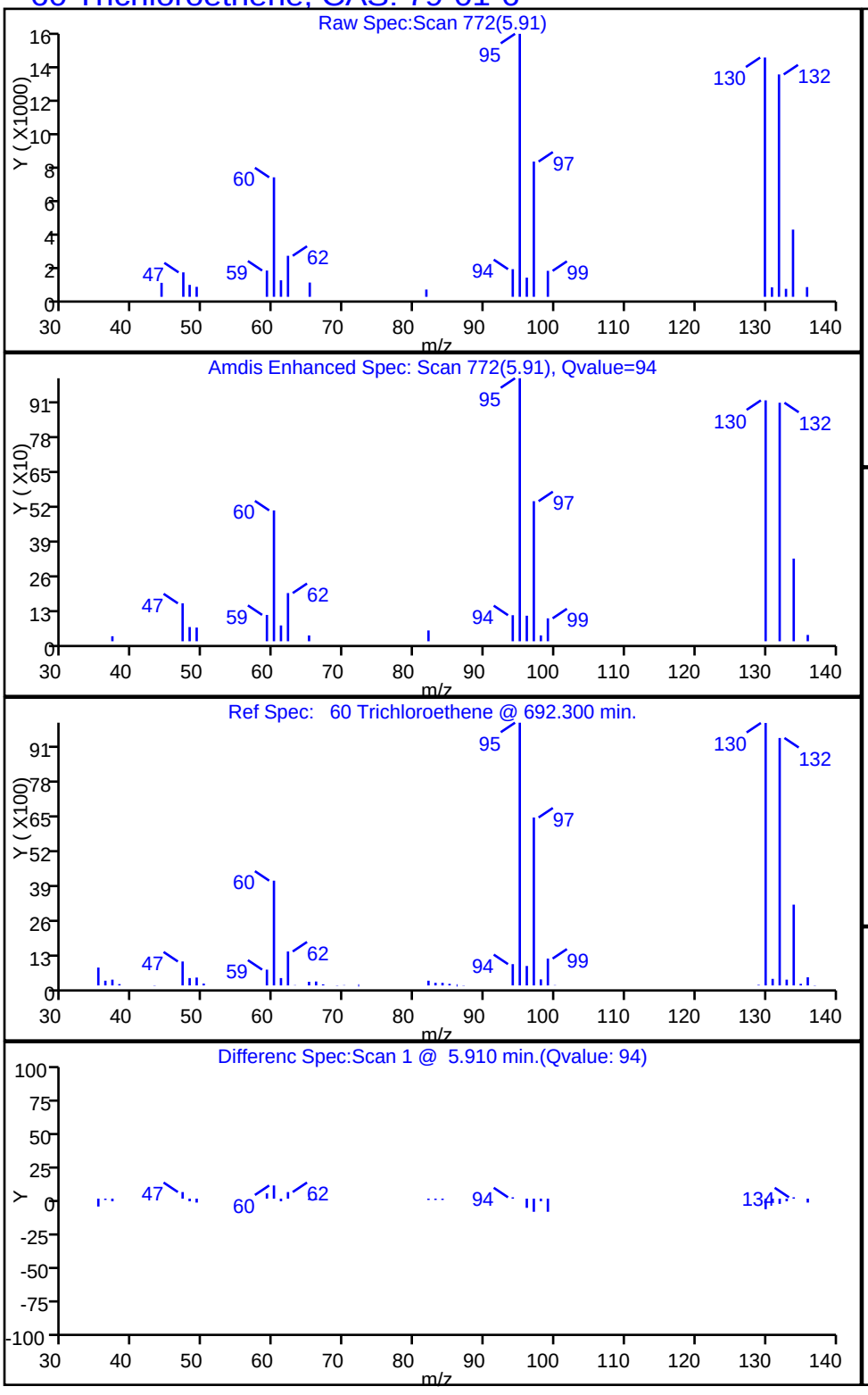
Report Date: 15-Jun-2016 18:51:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

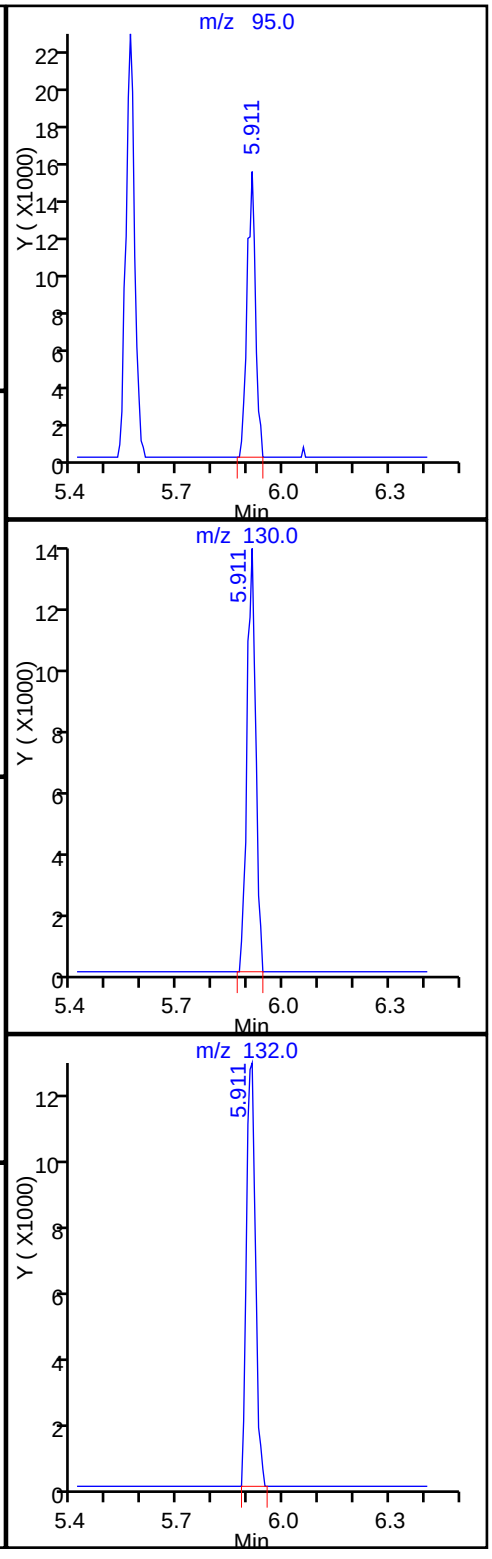
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4674.D

Injection Date:	15-Jun-2016 18:31:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-36-C	Lab Sample ID:	480-101258-36		
Client ID:	B103-AREA2-S2				
Operator ID:	SO	ALS Bottle#:	48	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B109-AREA2-S1 | Lab Sample ID: 480-101258-37

Matrix: Solid | Lab File ID: F7208.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:00

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 13:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.5	0.77
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.73
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.72
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND	*	5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B109-AREA2-S1 | Lab Sample ID: 480-101258-37

Matrix: Solid | Lab File ID: F7208.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:00

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 13:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	8.9		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	ND		5.5	0.73
108-88-3	Toluene	ND		5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
460-00-4	4-Bromofluorobenzene (Surr)	81		72-126
2037-26-5	Toluene-d8 (Surr)	104		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7208.D
Lims ID: 480-101258-A-37-B
Client ID: B109-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 13:51:30 ALS Bottle#: 4 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-37-B
Misc. Info.: 480-0054020-010
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 17:11:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:36:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	170673	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	305478	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	97	177676	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	120198	48.8	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	689433	52.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	172076	40.5	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.125	3.101	0.024	72	7457	0.9106	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	88	57023	8.13	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	1	1506	0.2842	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.225	7.231	-0.006	53	2715	0.5919	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91		8.180				ND	
90 m-Xylene & p-Xylene	106	8.290	8.296	-0.006	93	3455	0.4487	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1				0		0.4487	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

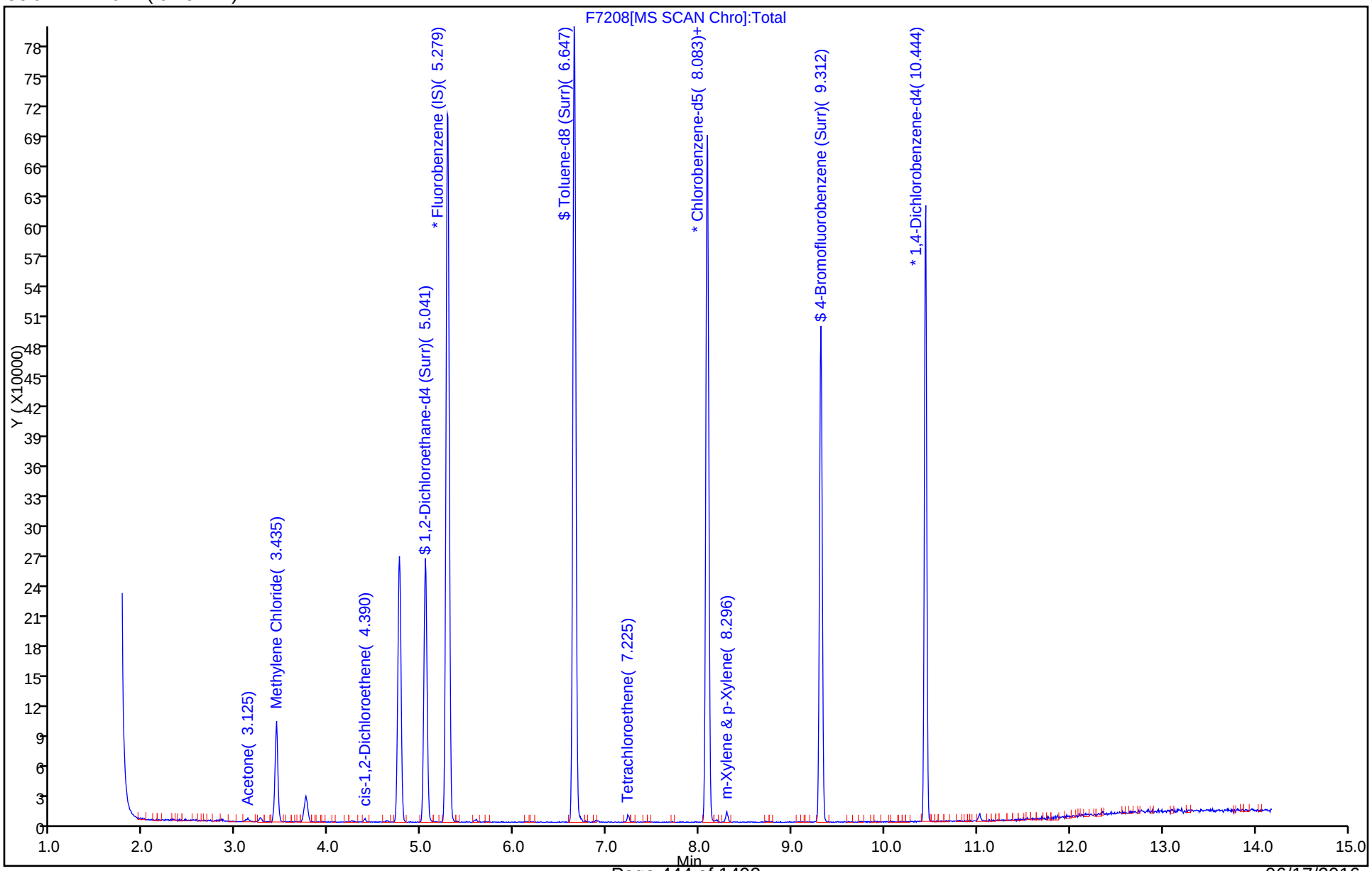
Report Date: 14-Jun-2016 19:36:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7208.D

Injection Date:	14-Jun-2016 13:51:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-37-B	Lab Sample ID:	480-101258-37	Worklist Smp#:	10
Client ID:	B109-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7208.D
Lims ID: 480-101258-A-37-B
Client ID: B109-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 13:51:30 ALS Bottle#: 4 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-37-B
Misc. Info.: 480-0054020-010
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 17:11:52 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:36:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	48.8	97.52
$ 5 Toluene-d8 (Surr)	50.0	52.2	104.41
$ 6 4-Bromofluorobenzene (Surr)	50.0	40.5	80.97

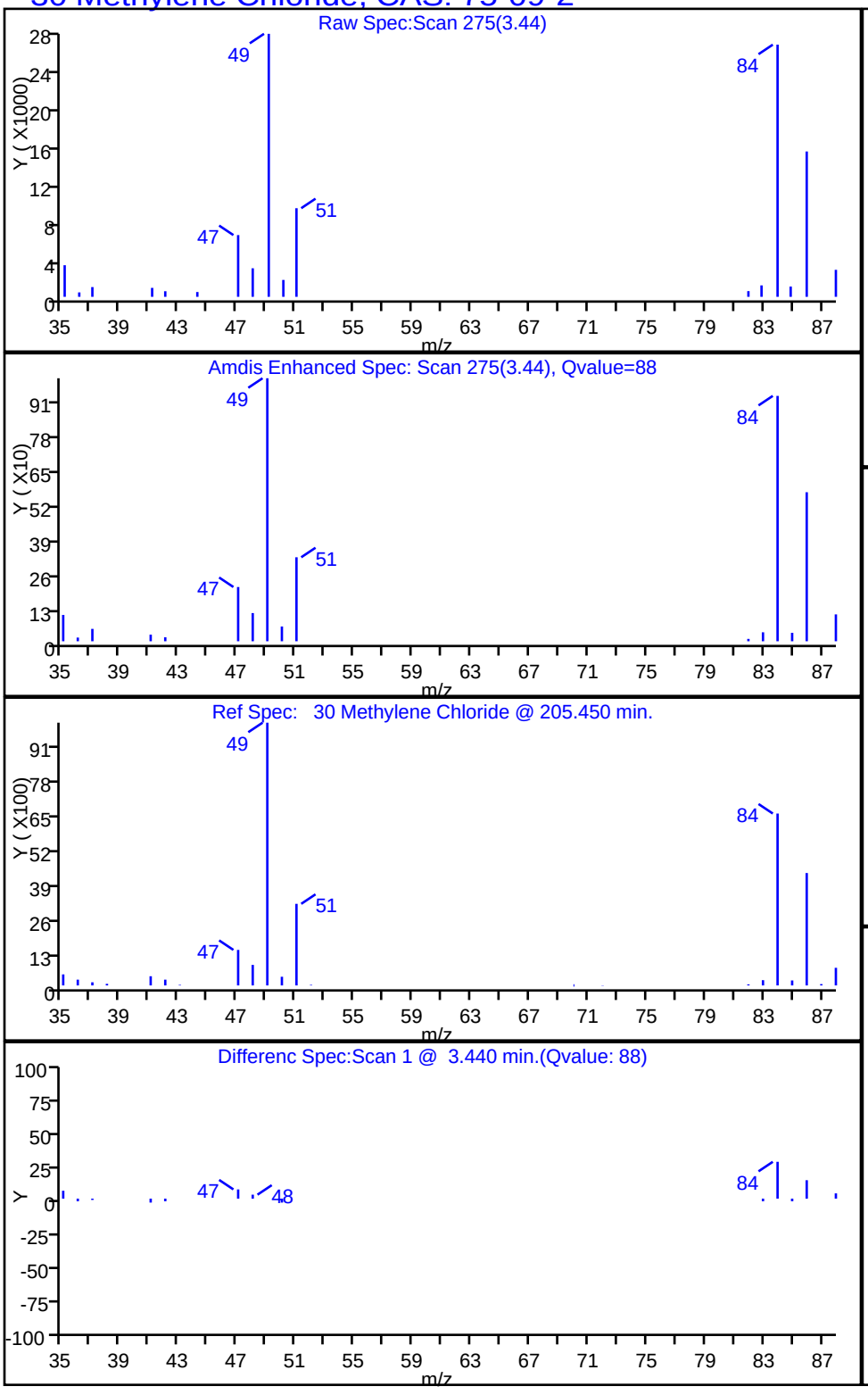
Report Date: 14-Jun-2016 19:36:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

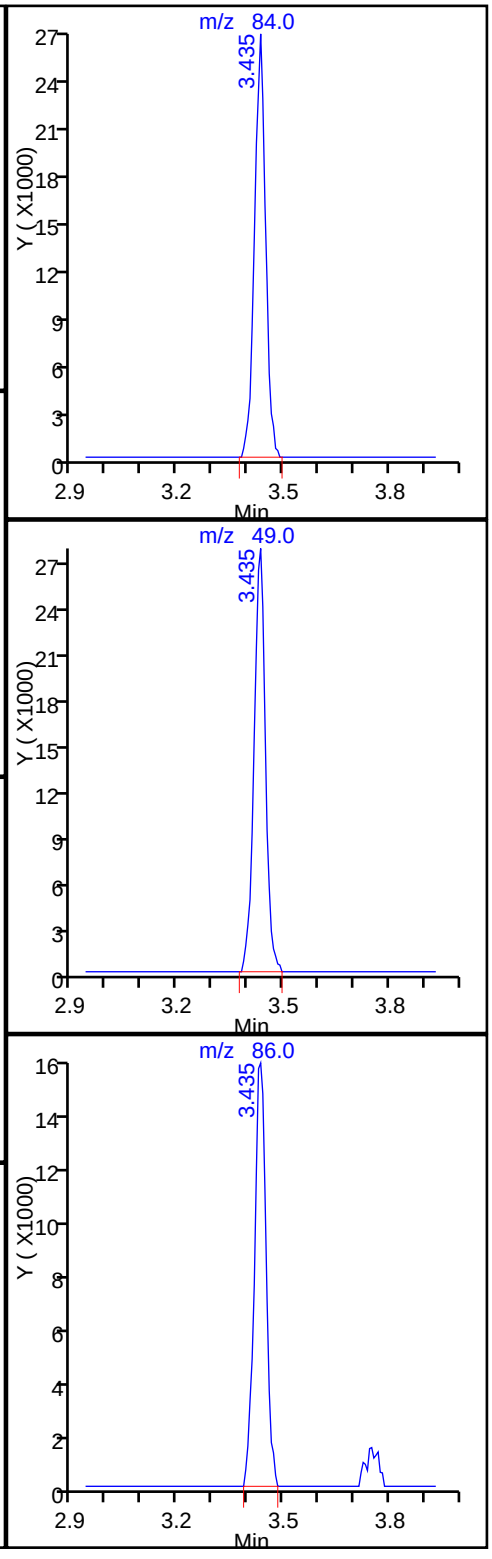
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7208.D

Injection Date:	14-Jun-2016 13:51:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-37-B	Lab Sample ID:	480-101258-37
Client ID:	B109-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	4 Worklist Smp#: 10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B109-AREA2-S2 | Lab Sample ID: 480-101258-38

Matrix: Solid | Lab File ID: F7209.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:05

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 14:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.6	0.91
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.6	0.73
75-34-3	1,1-Dichloroethane	ND		5.6	0.69
75-35-4	1,1-Dichloroethene	ND		5.6	0.69
120-82-1	1,2,4-Trichlorobenzene	ND		5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.6	2.8
106-93-4	1,2-Dibromoethane	ND		5.6	0.72
95-50-1	1,2-Dichlorobenzene	ND		5.6	0.44
107-06-2	1,2-Dichloroethane	ND		5.6	0.28
78-87-5	1,2-Dichloropropane	ND		5.6	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND		5.6	0.79
78-93-3	2-Butanone (MEK)	ND		28	2.1
591-78-6	2-Hexanone	ND		28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	ND		28	4.7
71-43-2	Benzene	ND		5.6	0.28
75-27-4	Bromodichloromethane	ND		5.6	0.75
75-25-2	Bromoform	ND		5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.51
75-15-0	Carbon disulfide	ND		5.6	2.8
56-23-5	Carbon tetrachloride	ND		5.6	0.54
108-90-7	Chlorobenzene	ND		5.6	0.74
75-00-3	Chloroethane	ND		5.6	1.3
67-66-3	Chloroform	ND		5.6	0.35
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.6	0.72
10061-01-5	cis-1,3-Dichloropropene	ND		5.6	0.81
110-82-7	Cyclohexane	ND		5.6	0.79
124-48-1	Dibromochloromethane	ND		5.6	0.72
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	ND		5.6	0.39
98-82-8	Isopropylbenzene	ND		5.6	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B109-AREA2-S2 | Lab Sample ID: 480-101258-38

Matrix: Solid | Lab File ID: F7209.D

Analysis Method: 8260C | Date Collected: 06/07/2016 13:05

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 14:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 11.2 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.6	3.4
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND		5.6	0.85
75-09-2	Methylene Chloride	17		5.6	2.6
100-42-5	Styrene	ND		5.6	0.28
127-18-4	Tetrachloroethene	ND		5.6	0.75
108-88-3	Toluene	ND		5.6	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	ND		5.6	2.5
79-01-6	Trichloroethene	ND		5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	ND		5.6	0.69
1330-20-7	Xylenes, Total	ND		11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	90		72-126
2037-26-5	Toluene-d8 (Surr)	94		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7209.D
Lims ID: 480-101258-A-38-B
Client ID: B109-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 14:17:30 ALS Bottle#: 5 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-38-B
Misc. Info.: 480-0054020-011
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:37:09 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:37:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	177059	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	361146	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	246721	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.042	5.041	0.001	0	132886	52.0	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	94	736809	47.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	226768	45.1	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.107	3.101	0.006	72	10110	2.59	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	86	92115	14.9	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.715	6.714	0.001	93	2832	0.2262	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.232	7.231	0.001	78	1997	0.3683	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91		8.180				ND	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	95	4437	0.4874	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1				0		0.4874	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

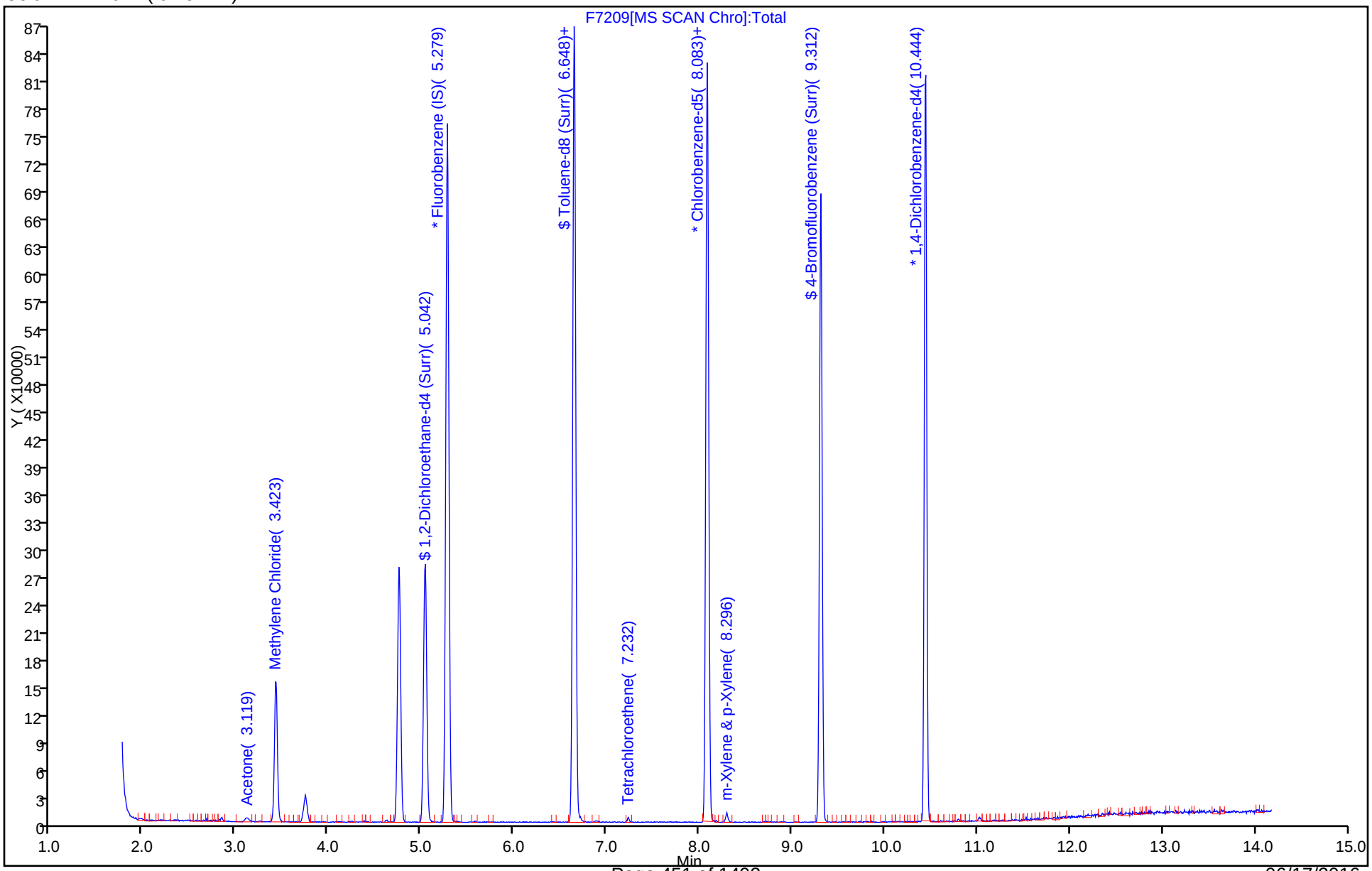
Report Date: 14-Jun-2016 19:37:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7209.D

Injection Date:	14-Jun-2016 14:17:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-38-B	Lab Sample ID:	480-101258-38	Worklist Smp#:	11
Client ID:	B109-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7209.D
Lims ID: 480-101258-A-38-B
Client ID: B109-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 14:17:30 ALS Bottle#: 5 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-38-B
Misc. Info.: 480-0054020-011
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:37:09 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:37:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.0	103.92
$ 5 Toluene-d8 (Surr)	50.0	47.2	94.38
$ 6 4-Bromofluorobenzene (Surr)	50.0	45.1	90.26

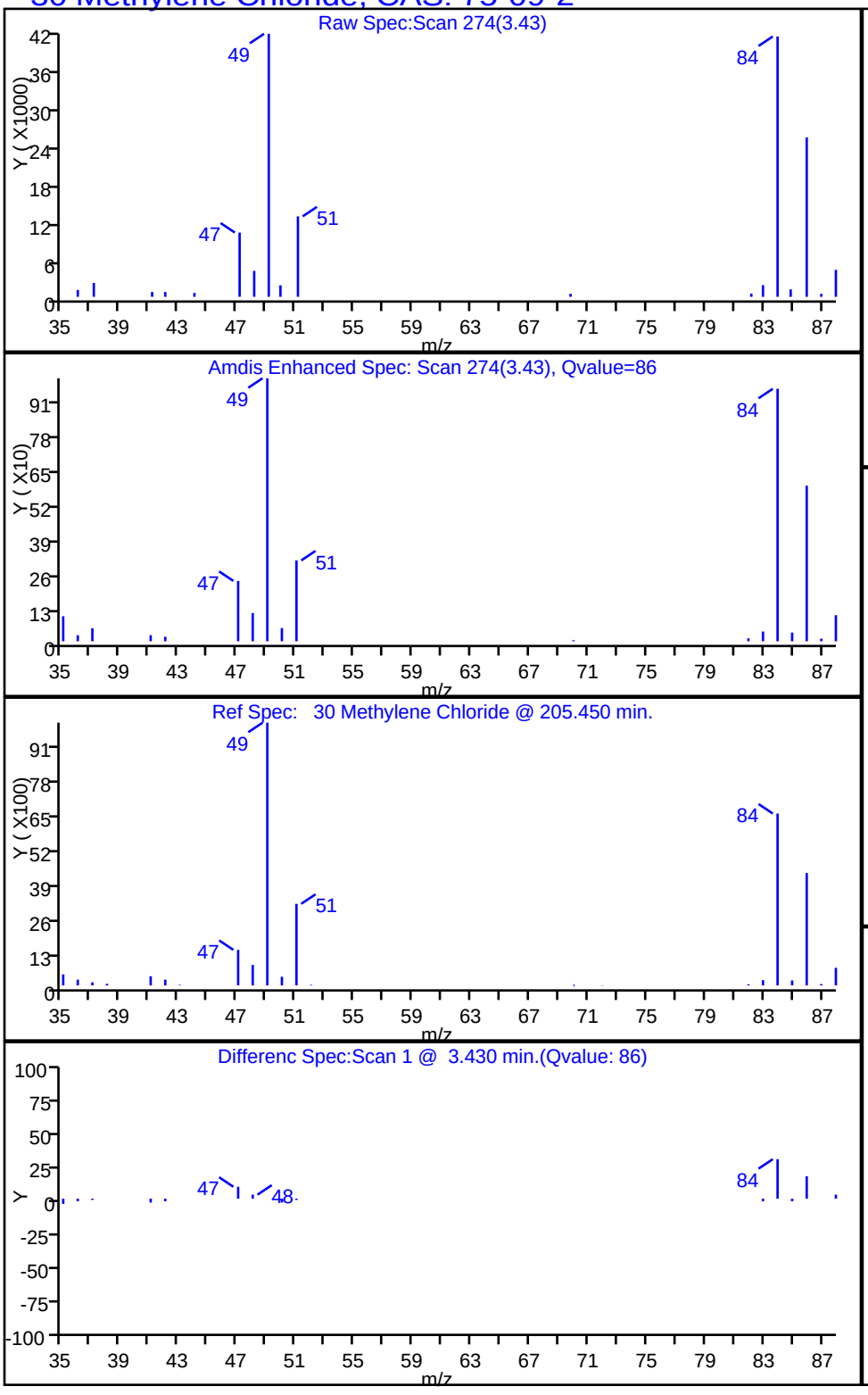
Report Date: 14-Jun-2016 19:37:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

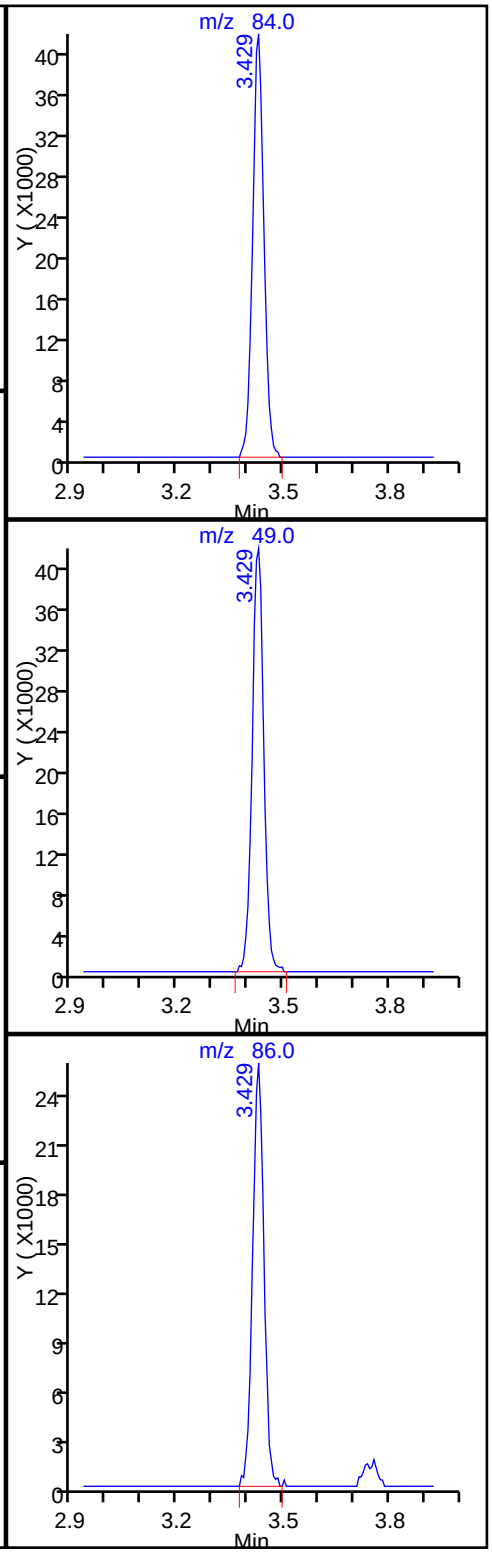
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7209.D

Injection Date:	14-Jun-2016 14:17:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-38-B	Lab Sample ID:	480-101258-38		
Client ID:	B109-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	5	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B110-AREA2-S1 | Lab Sample ID: 480-101258-39

Matrix: Solid | Lab File ID: F7210.D

Analysis Method: 8260C | Date Collected: 06/07/2016 11:25

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 14:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
75-34-3	1,1-Dichloroethane	5.0	J	5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	5.6	J	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	3.4	J	5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND		5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	670	E	5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	9.6		5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B110-AREA2-S1 | Lab Sample ID: 480-101258-39

Matrix: Solid | Lab File ID: F7210.D

Analysis Method: 8260C | Date Collected: 06/07/2016 11:25

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 14:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	11		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	36		5.4	0.72
108-88-3	Toluene	380	E	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	5.7		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	43		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	34		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
460-00-4	4-Bromofluorobenzene (Surr)	73		72-126
2037-26-5	Toluene-d8 (Surr)	106		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D
Lims ID: 480-101258-A-39-B
Client ID: B110-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 14:43:30 ALS Bottle#: 6 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-39-B
Misc. Info.: 480-0054020-012
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 20:35:53 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: diasn Date: 14-Jun-2016 19:38:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	171612	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	292668	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.437	10.444	-0.007	96	132918	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	121188	48.9	
$ 5 Toluene-d8 (Surr)	98	6.653	6.648	0.005	94	673047	53.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	85	147694	36.3	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	99	13344	5.17	
26 Carbon disulfide	76	3.265	3.253	0.012	99	48730	3.16	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	87	66087	9.98	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96	3.624	3.612	0.012	97	25885	5.30	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	95	38229	4.61	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.390	4.384	0.006	80	3294581	618.4	E
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95	5.583	5.583	0.000	96	201864	39.5	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.714	6.714	0.000	95	3565234	351.4	E
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.231	7.231	0.000	95	146782	33.4	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91	8.180	8.180	0.000	99	168913	8.92	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	168700	22.9	
91 o-Xylene	106	8.728	8.728	0.000	98	59576	8.35	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1				0		31.2	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

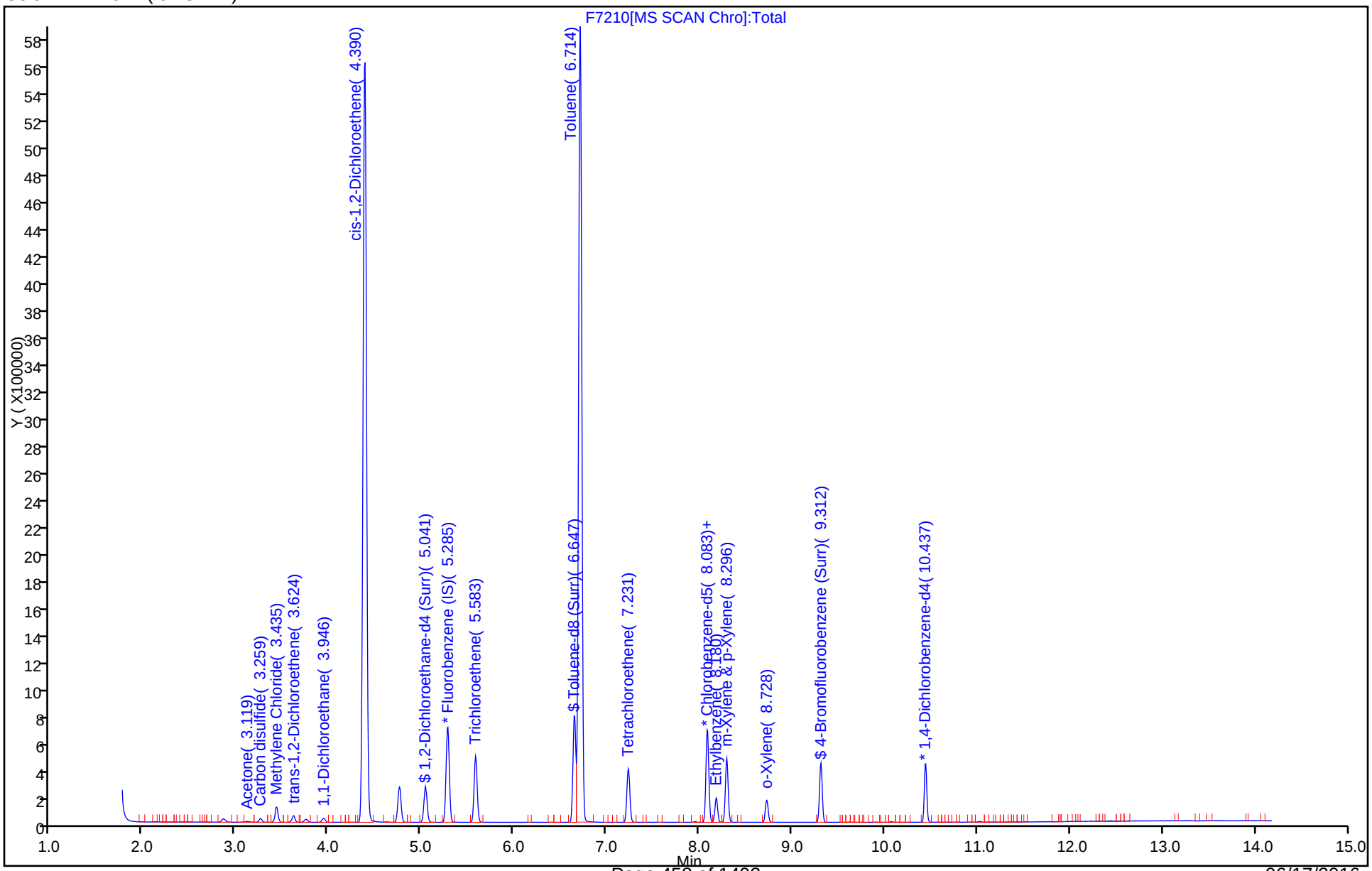
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39	Worklist Smp#:	12
Client ID:	B110-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D
Lims ID: 480-101258-A-39-B
Client ID: B110-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 14:43:30 ALS Bottle#: 6 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-39-B
Misc. Info.: 480-0054020-012
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 20:35:53 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: diasn Date: 14-Jun-2016 19:38:11

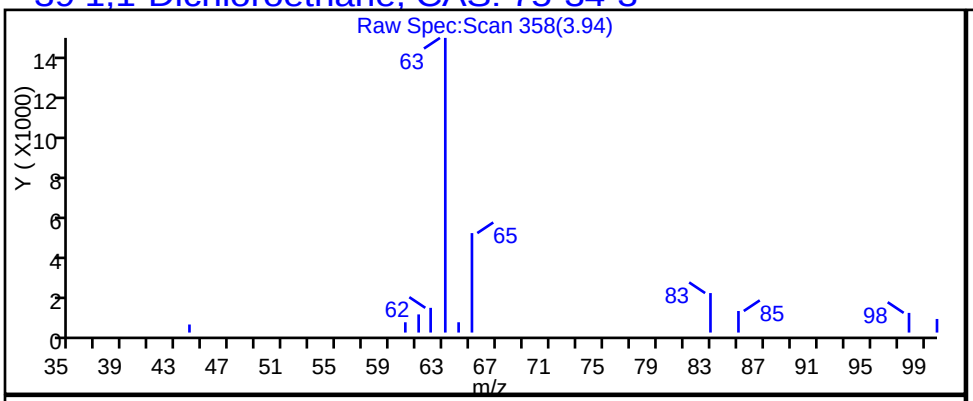
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	48.9	97.78
$ 5 Toluene-d8 (Surr)	50.0	53.2	106.39
$ 6 4-Bromofluorobenzene (Surr)	50.0	36.3	72.54

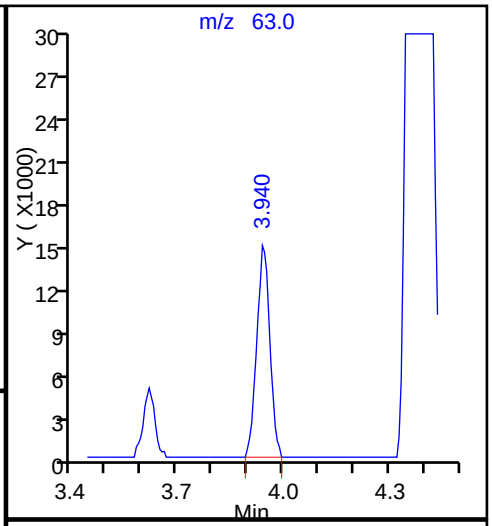
TestAmerica Buffalo

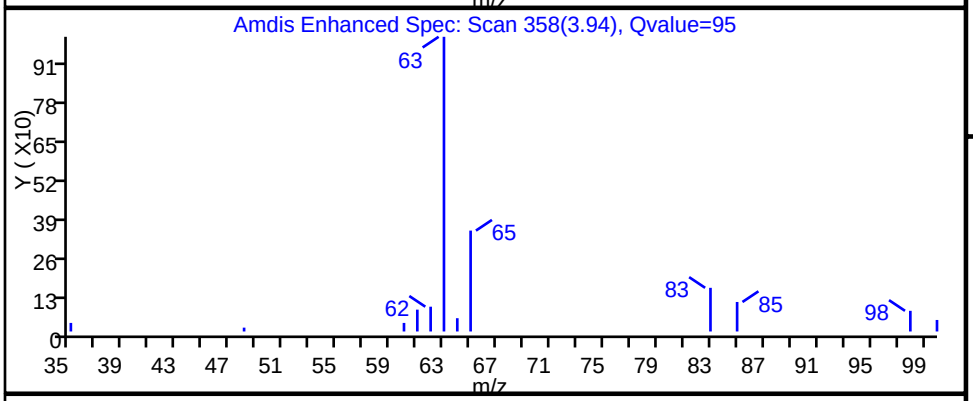
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

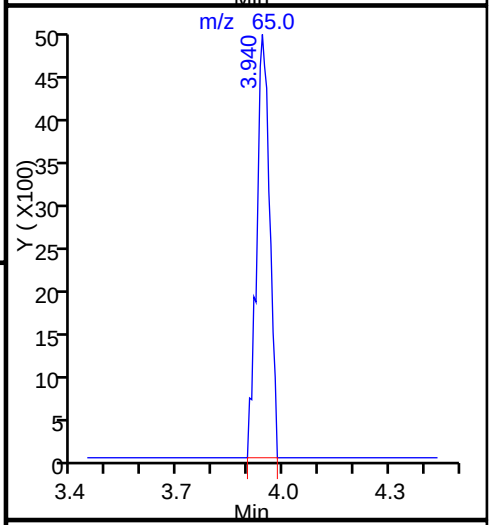
Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39
Client ID:	B110-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	6 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

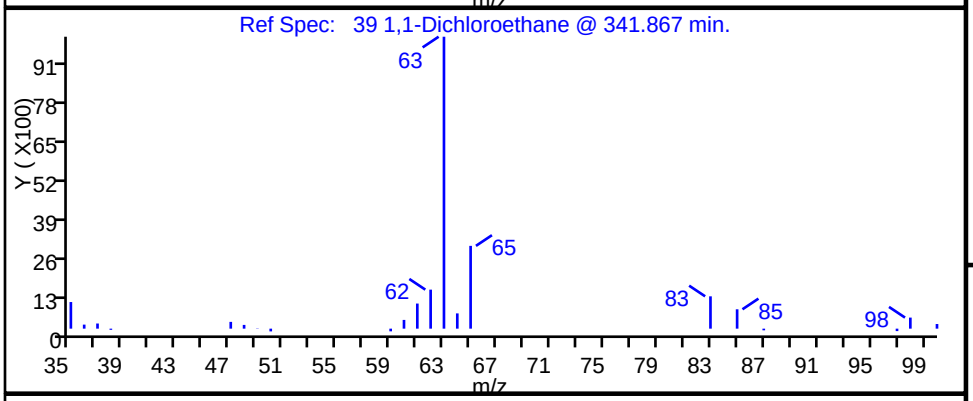
39 1,1-Dichloroethane, CAS: 75-34-3

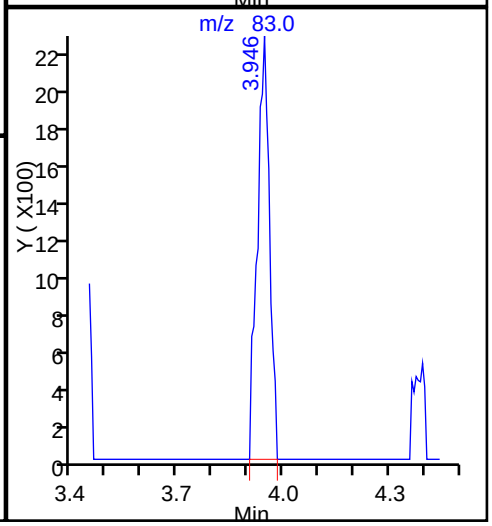


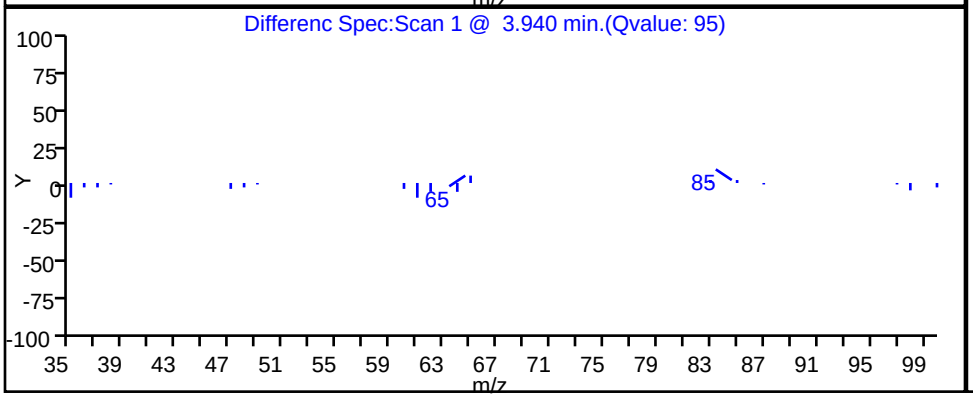








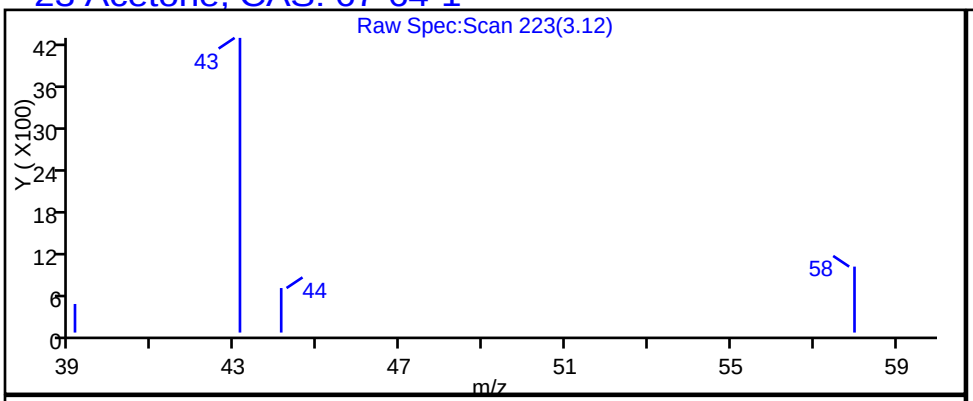


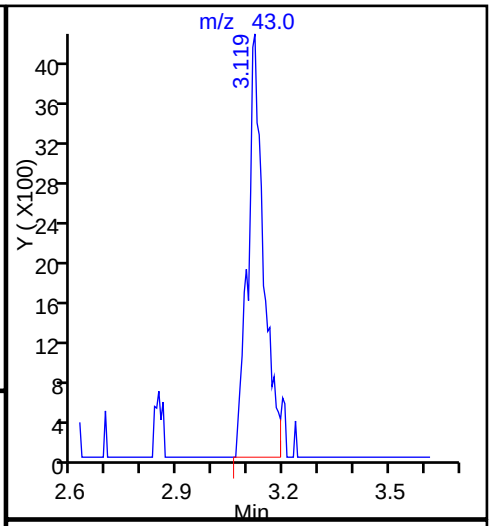


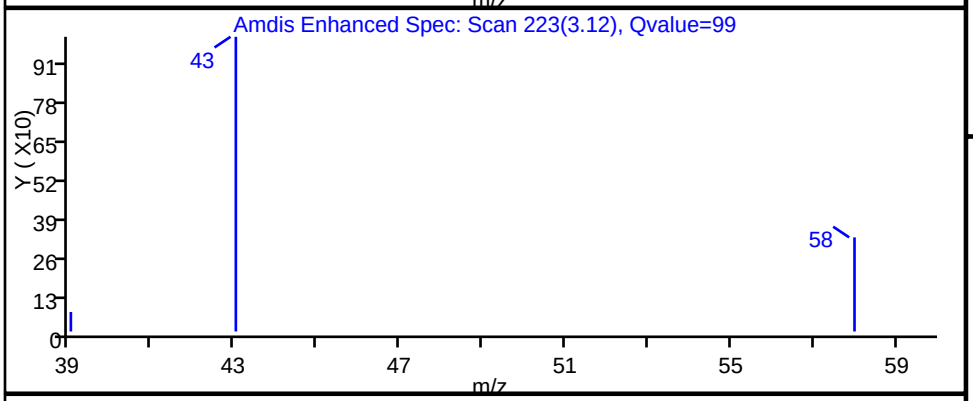
TestAmerica Buffalo

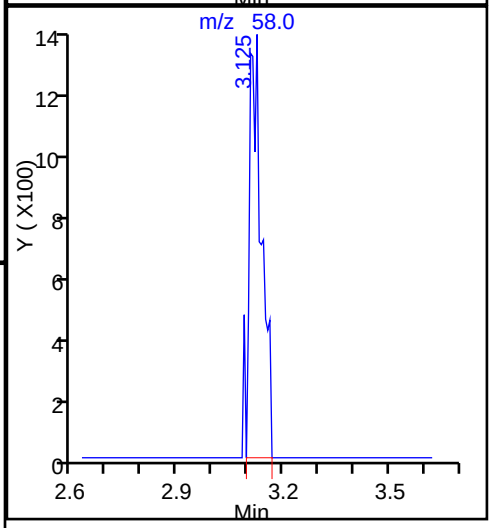
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D
Injection Date: 14-Jun-2016 14:43:30 Instrument ID: HP5973F
Lims ID: 480-101258-A-39-B Lab Sample ID: 480-101258-39
Client ID: B110-AREA2-S1
Operator ID: CDC ALS Bottle#: 6 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

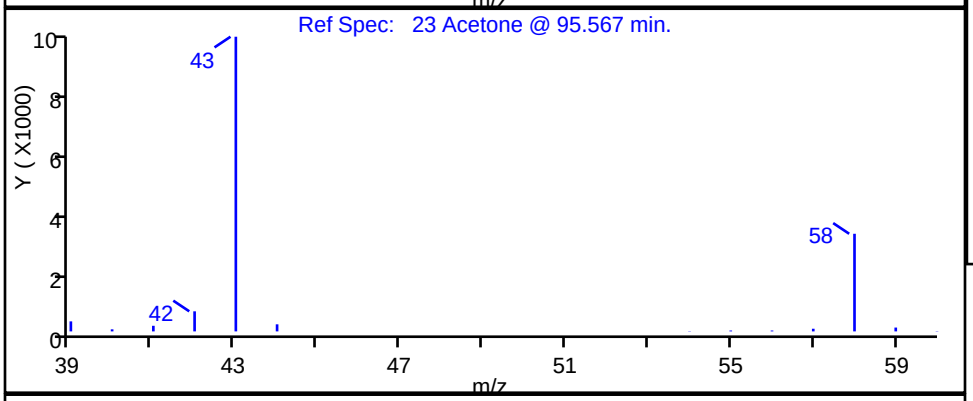
23 Acetone, CAS: 67-64-1

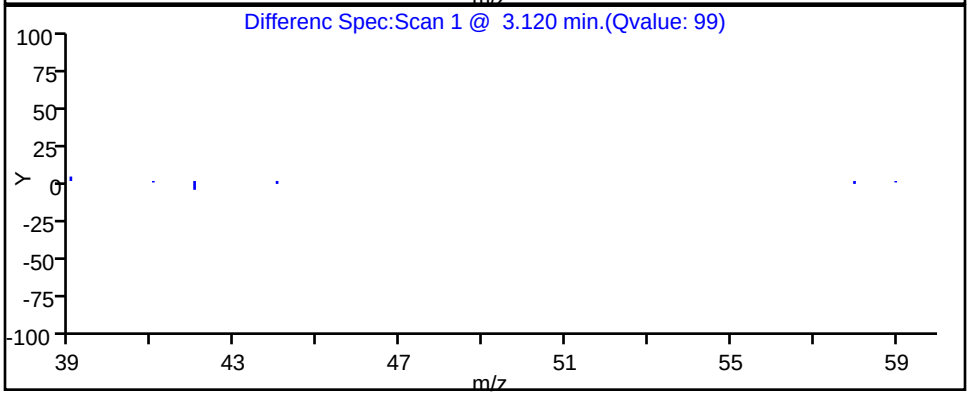








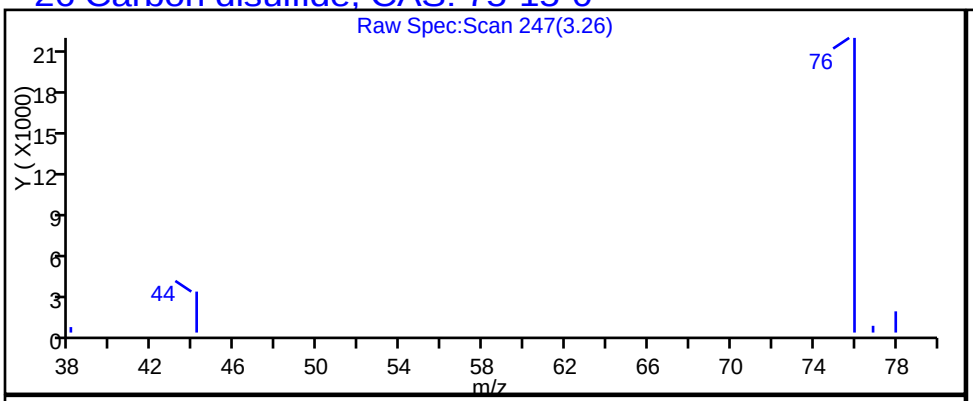


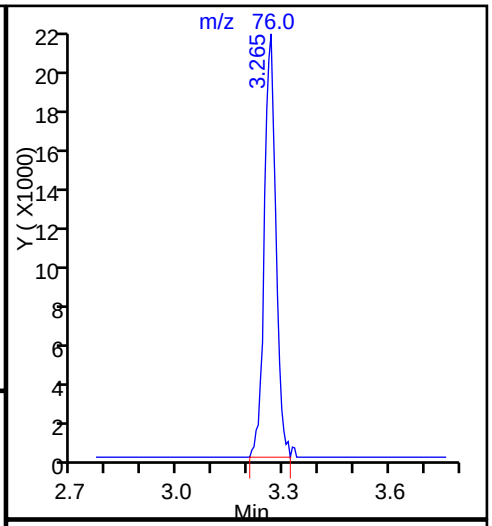


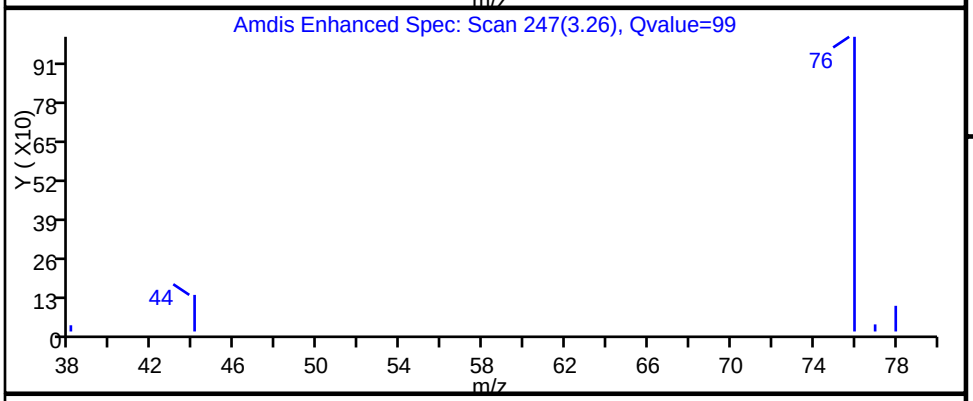
TestAmerica Buffalo

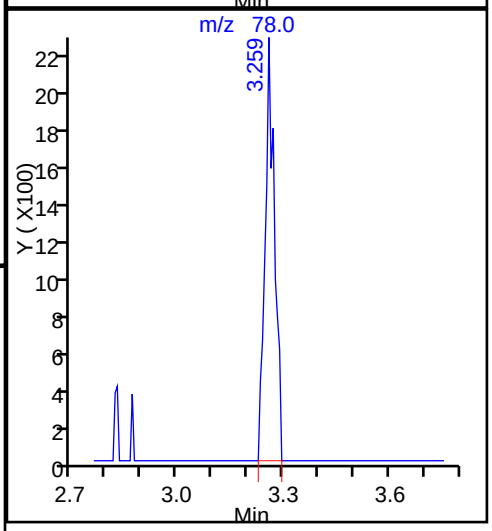
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D				
Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

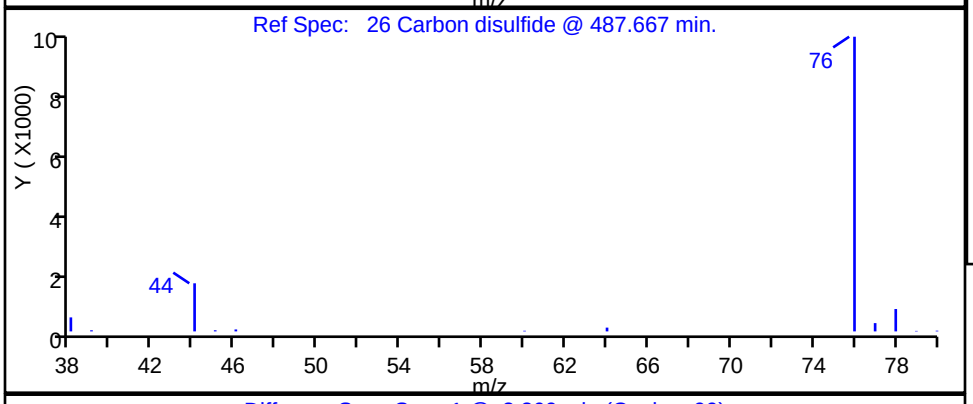
26 Carbon disulfide, CAS: 75-15-0

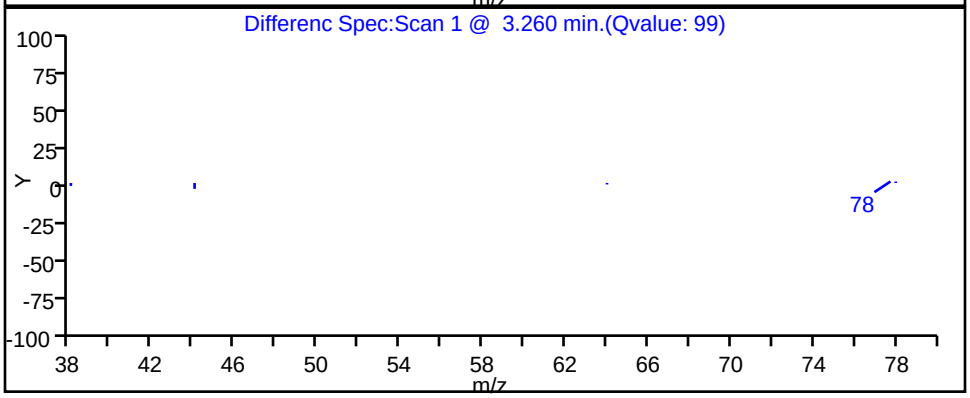










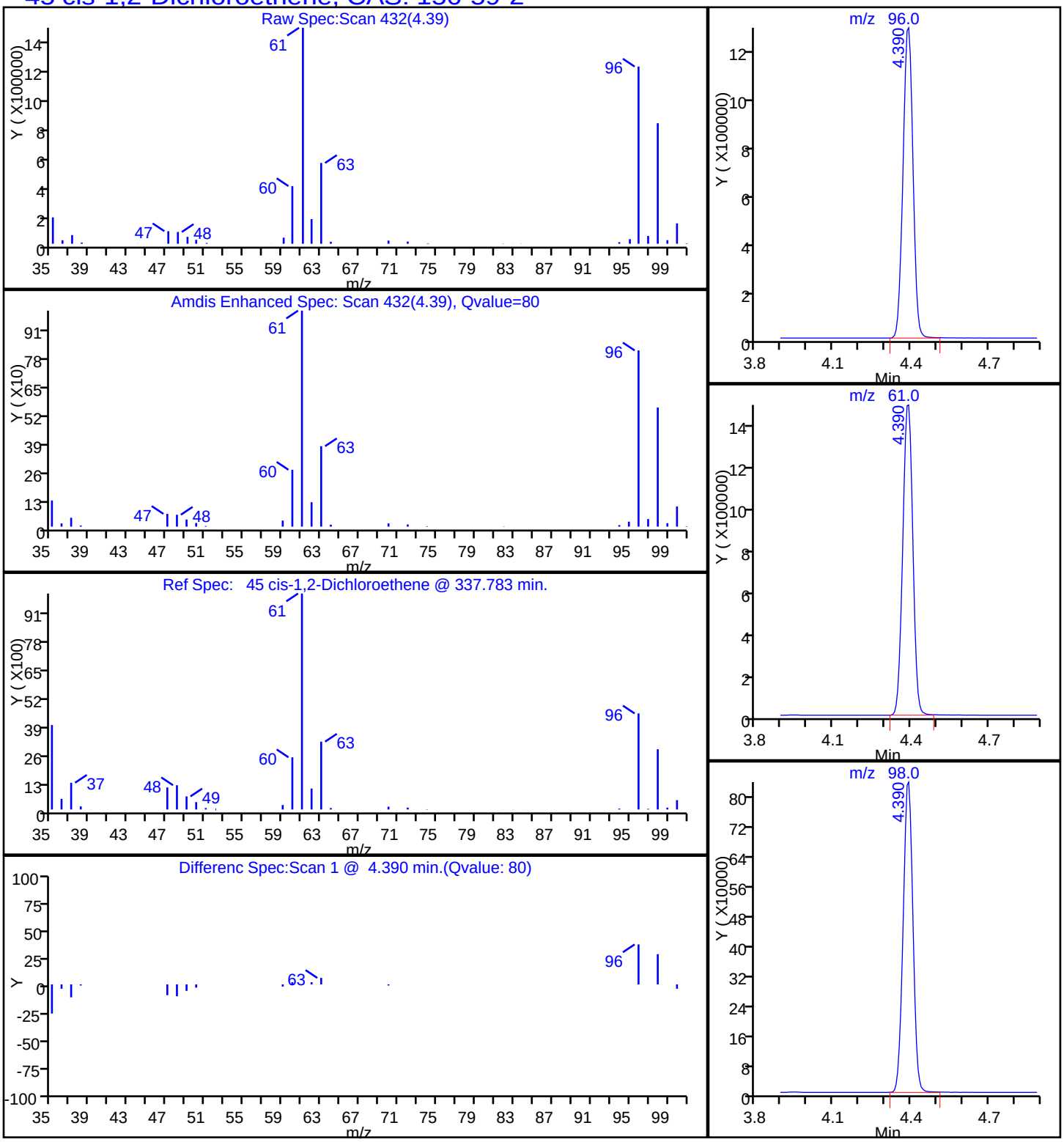


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39
Client ID:	B110-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	6 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

45 cis-1,2-Dichloroethene, CAS: 156-59-2



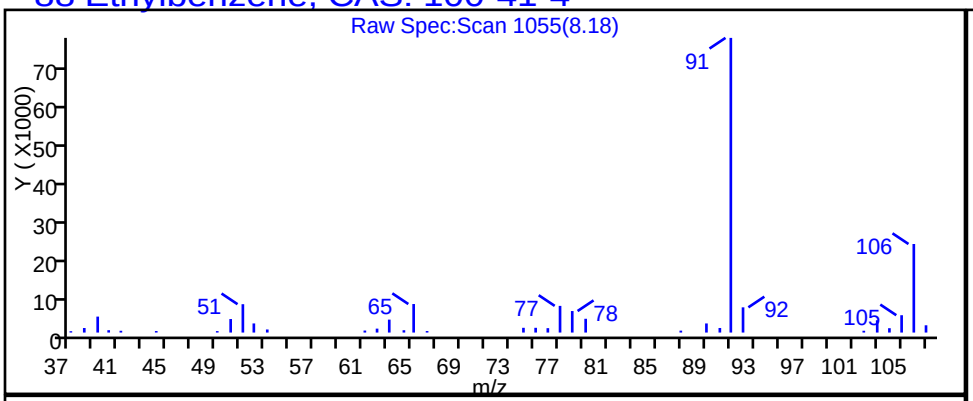
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

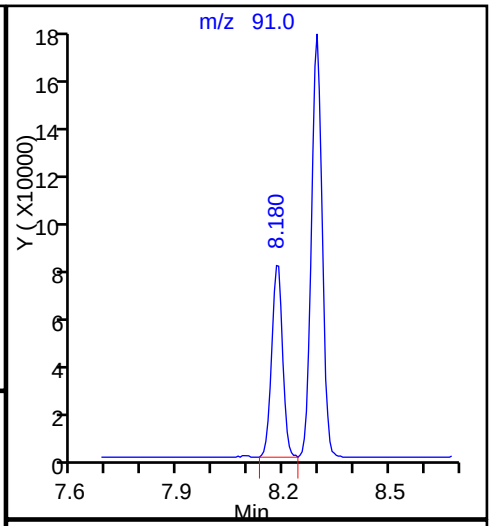
TestAmerica Buffalo

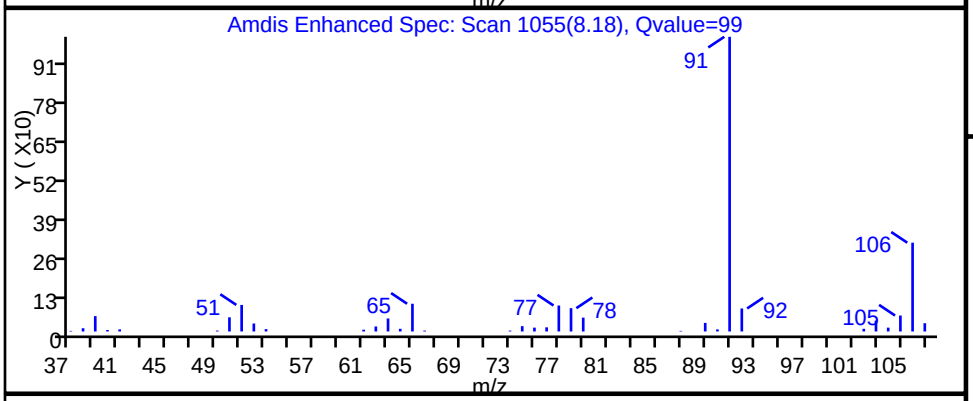
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

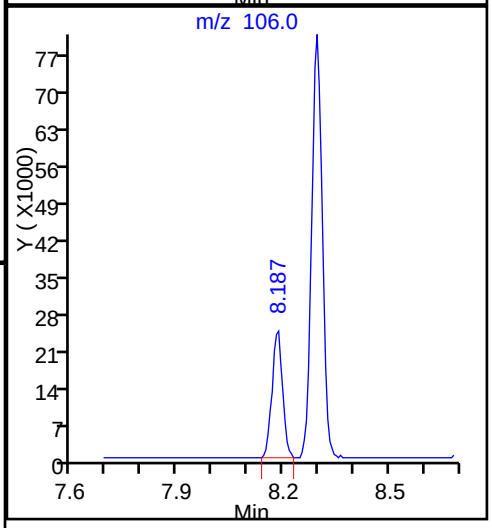
Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

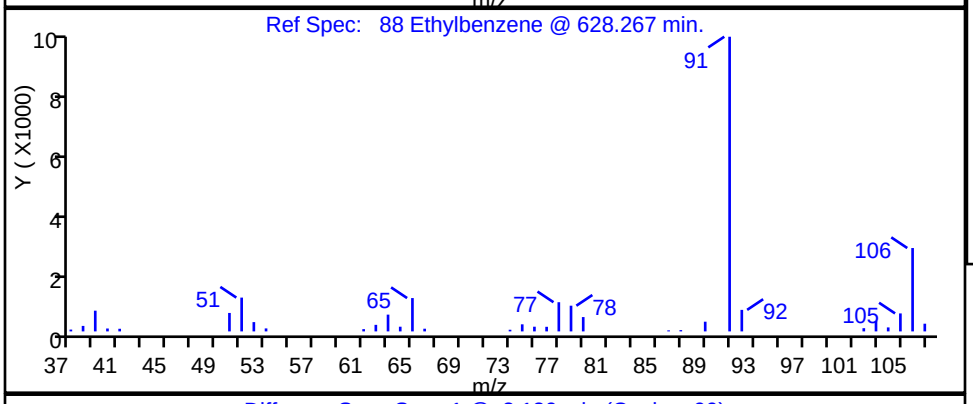
88 Ethylbenzene, CAS: 100-41-4

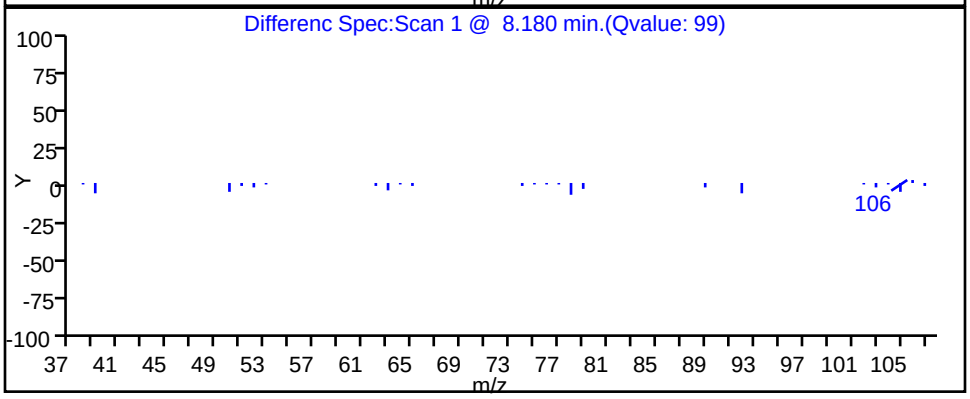












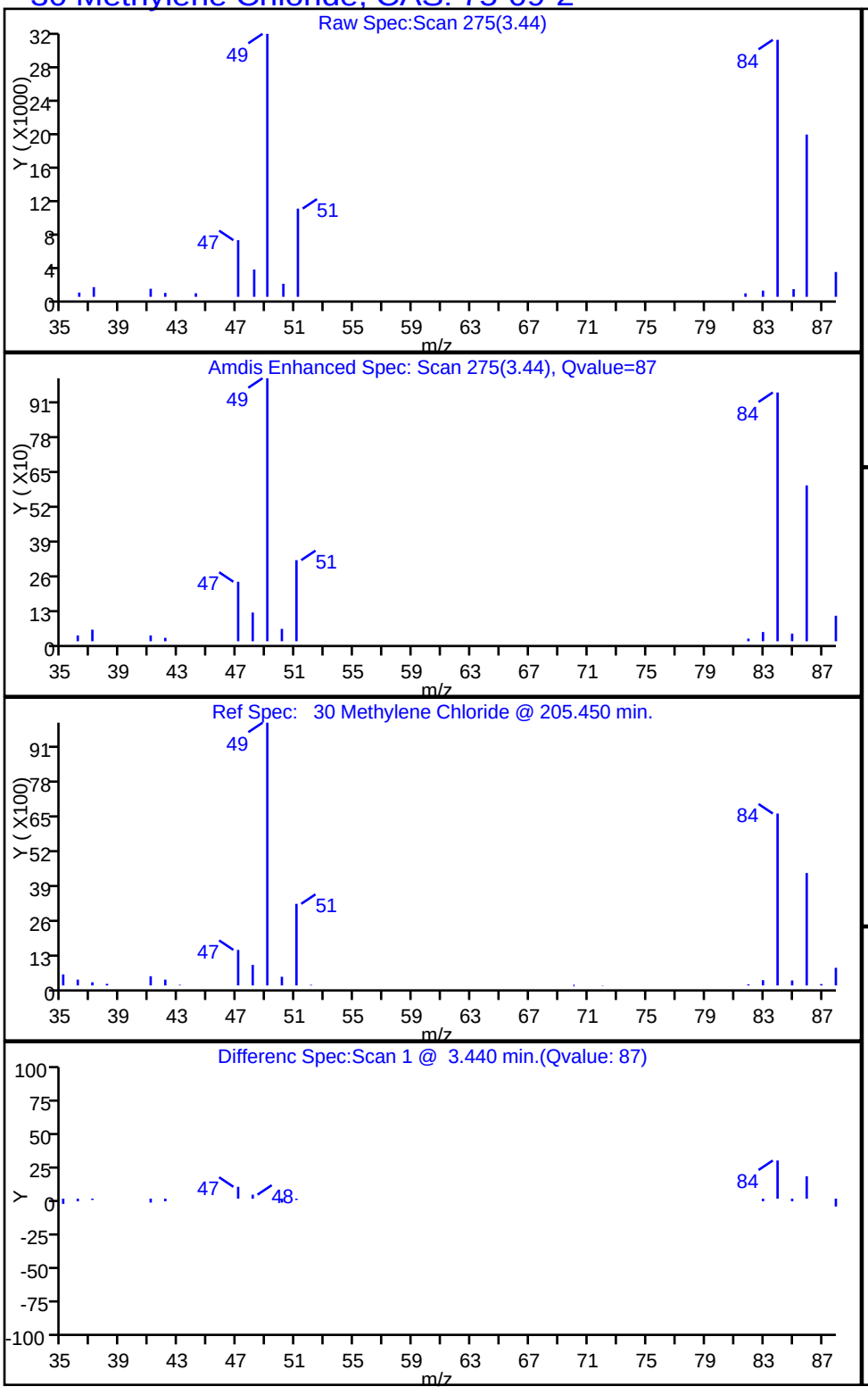
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

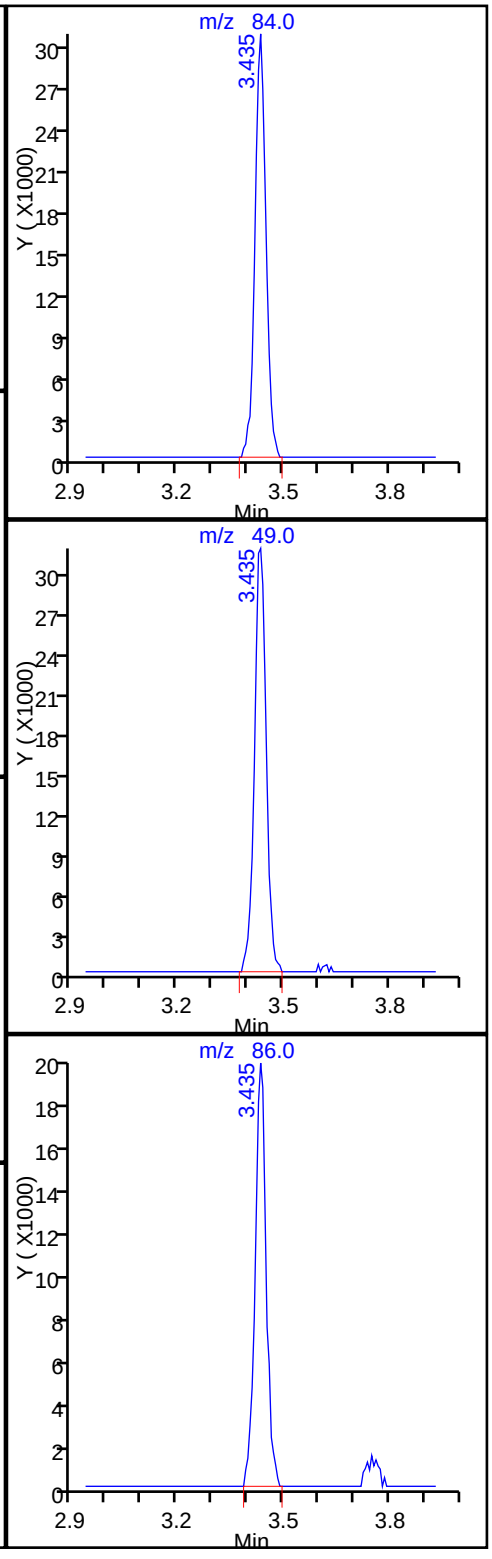
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39
Client ID:	B110-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	6 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

30 Methylene Chloride, CAS: 75-09-2





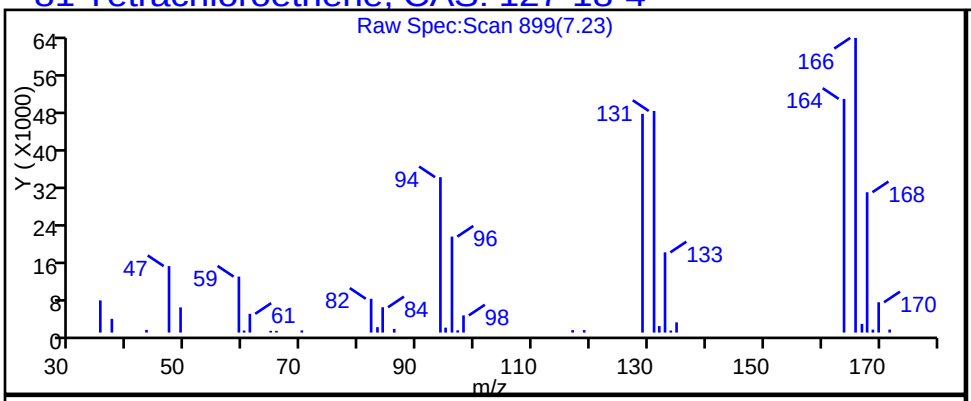
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

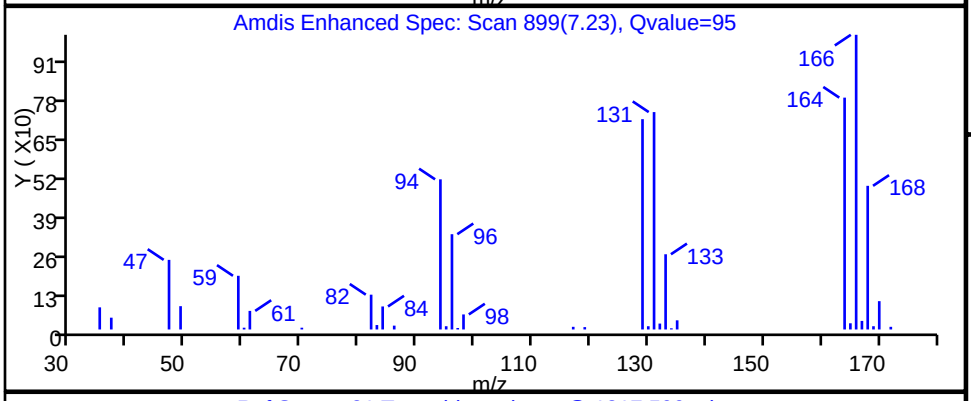
TestAmerica Buffalo

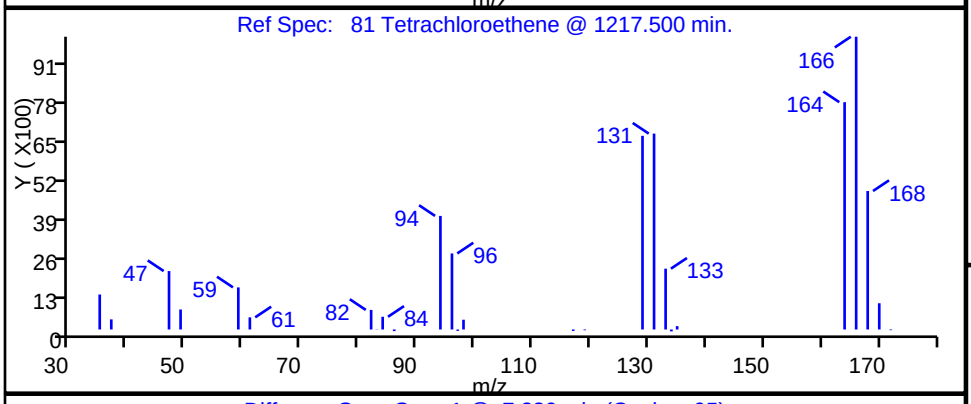
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

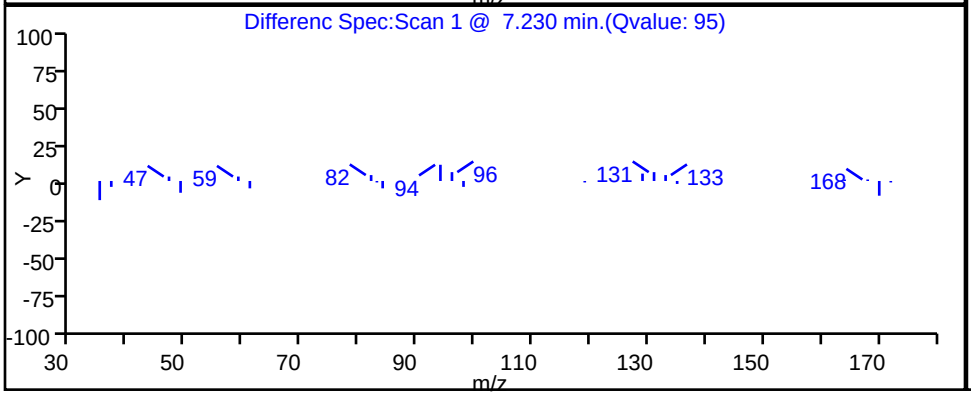
Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

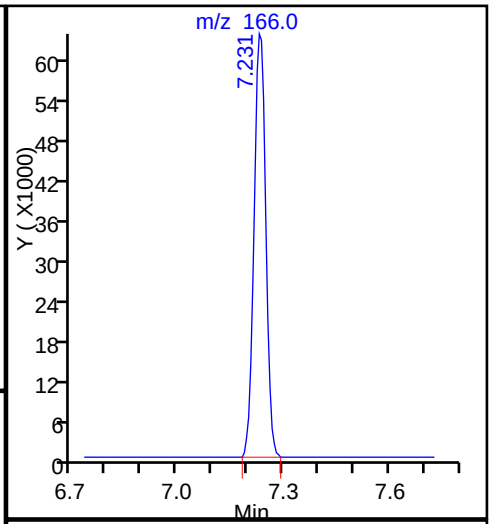
81 Tetrachloroethene, CAS: 127-18-4

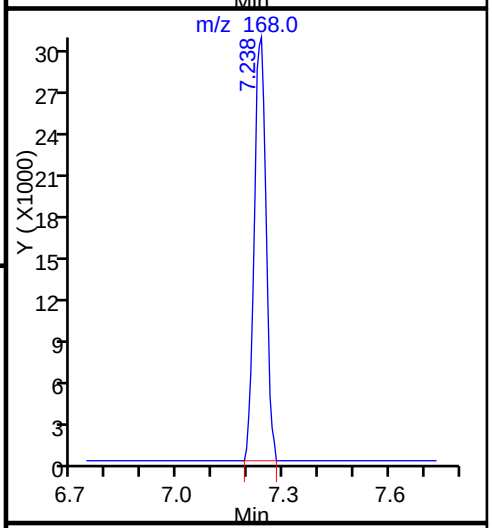


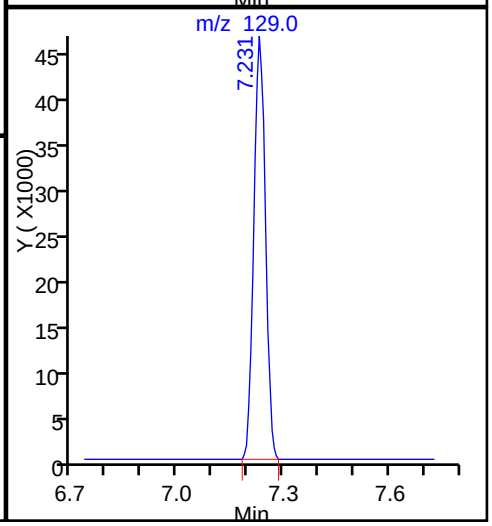












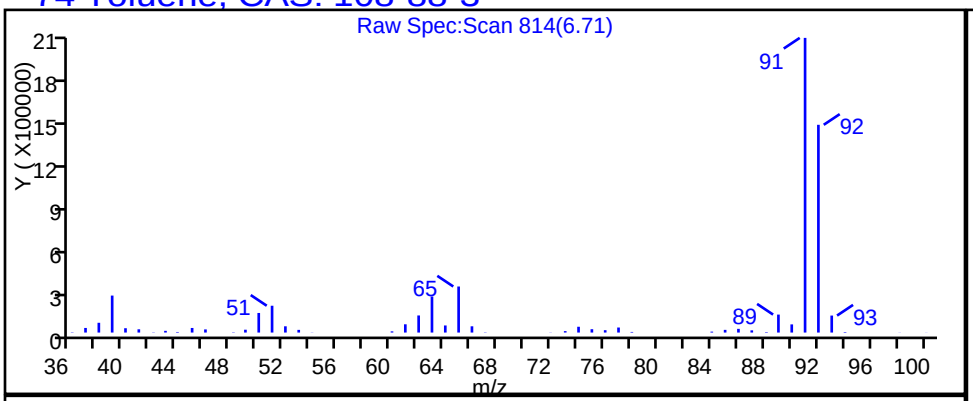
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

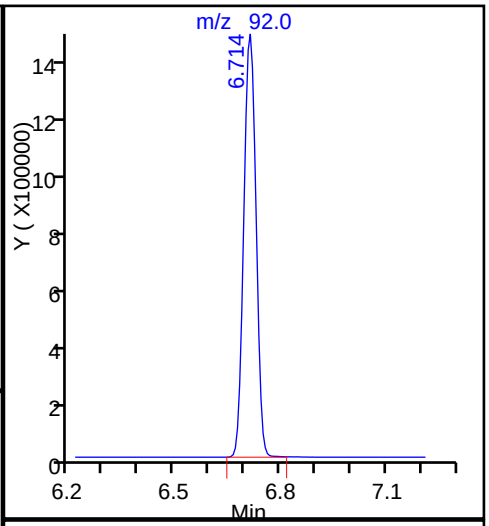
TestAmerica Buffalo

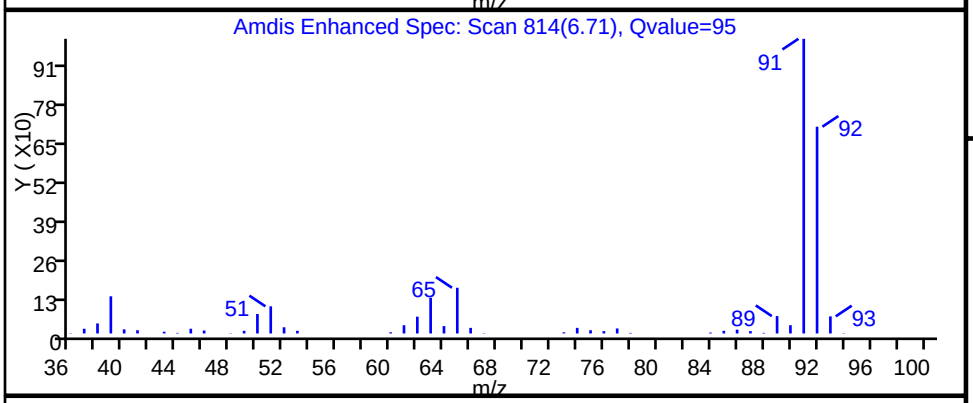
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

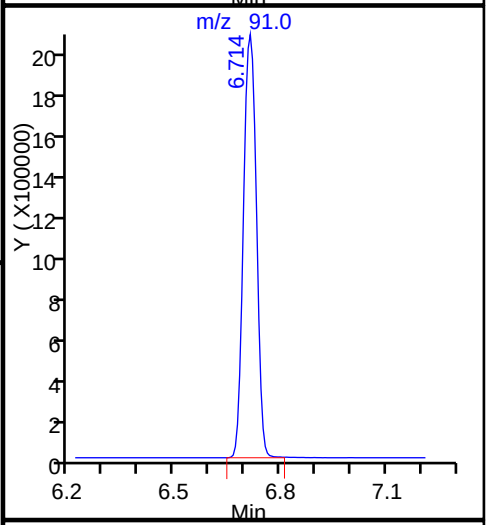
Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

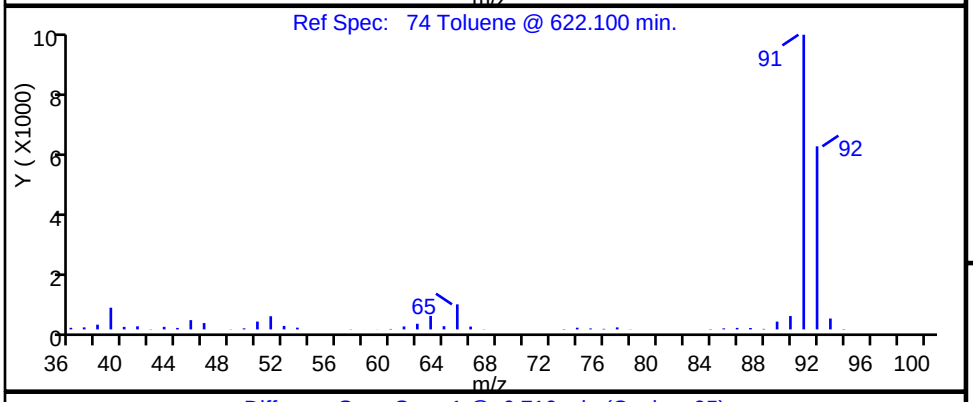
74 Toluene, CAS: 108-88-3

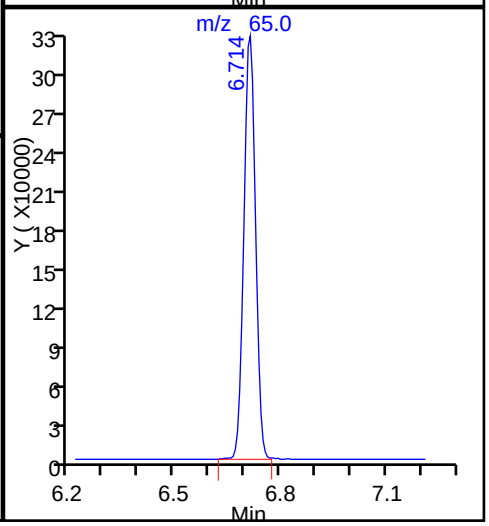


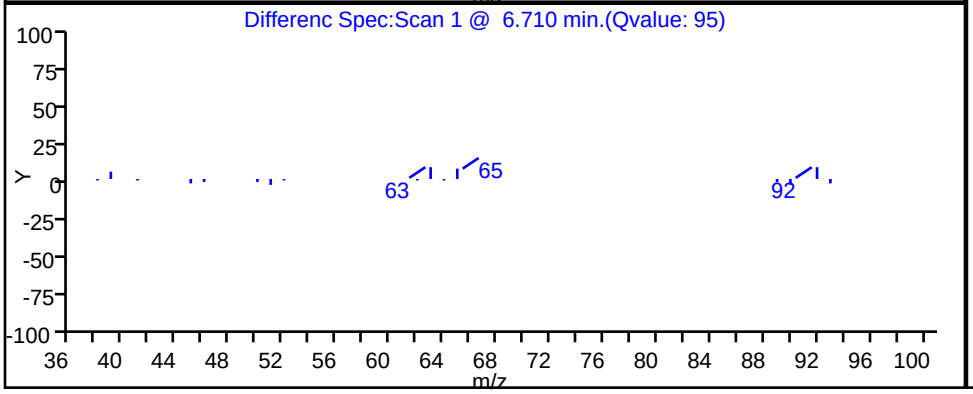












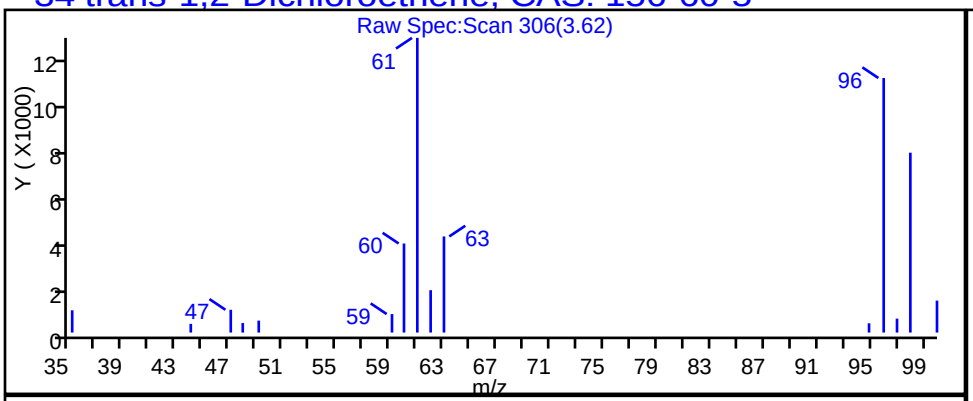
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

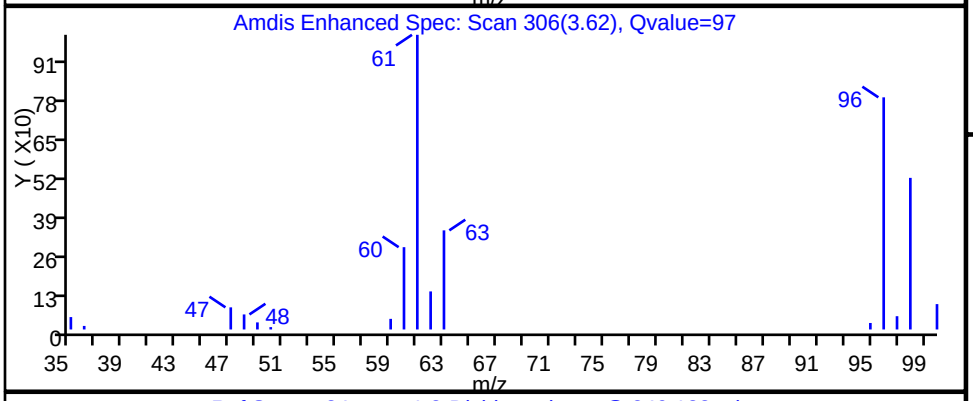
TestAmerica Buffalo

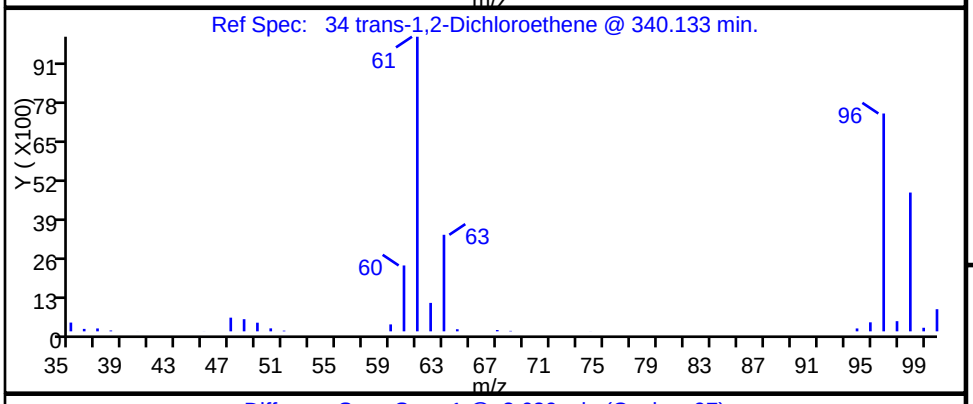
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

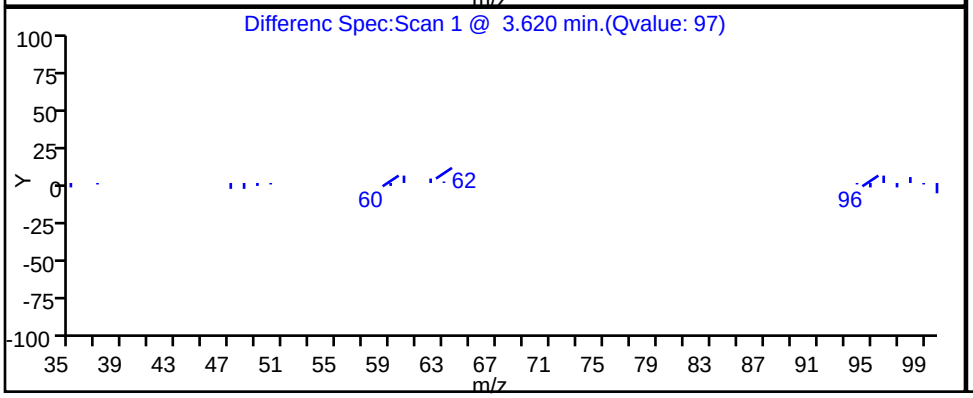
Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

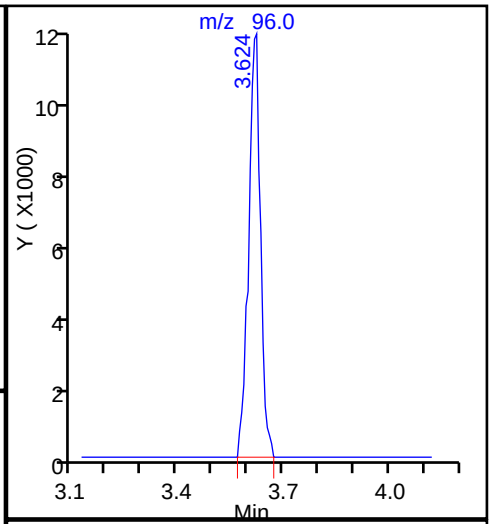
34 trans-1,2-Dichloroethene, CAS: 156-60-5

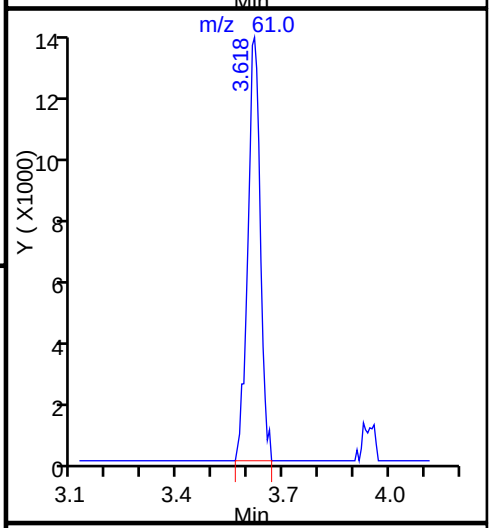


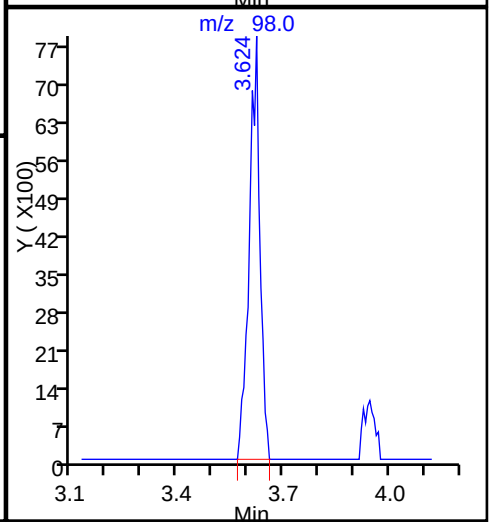












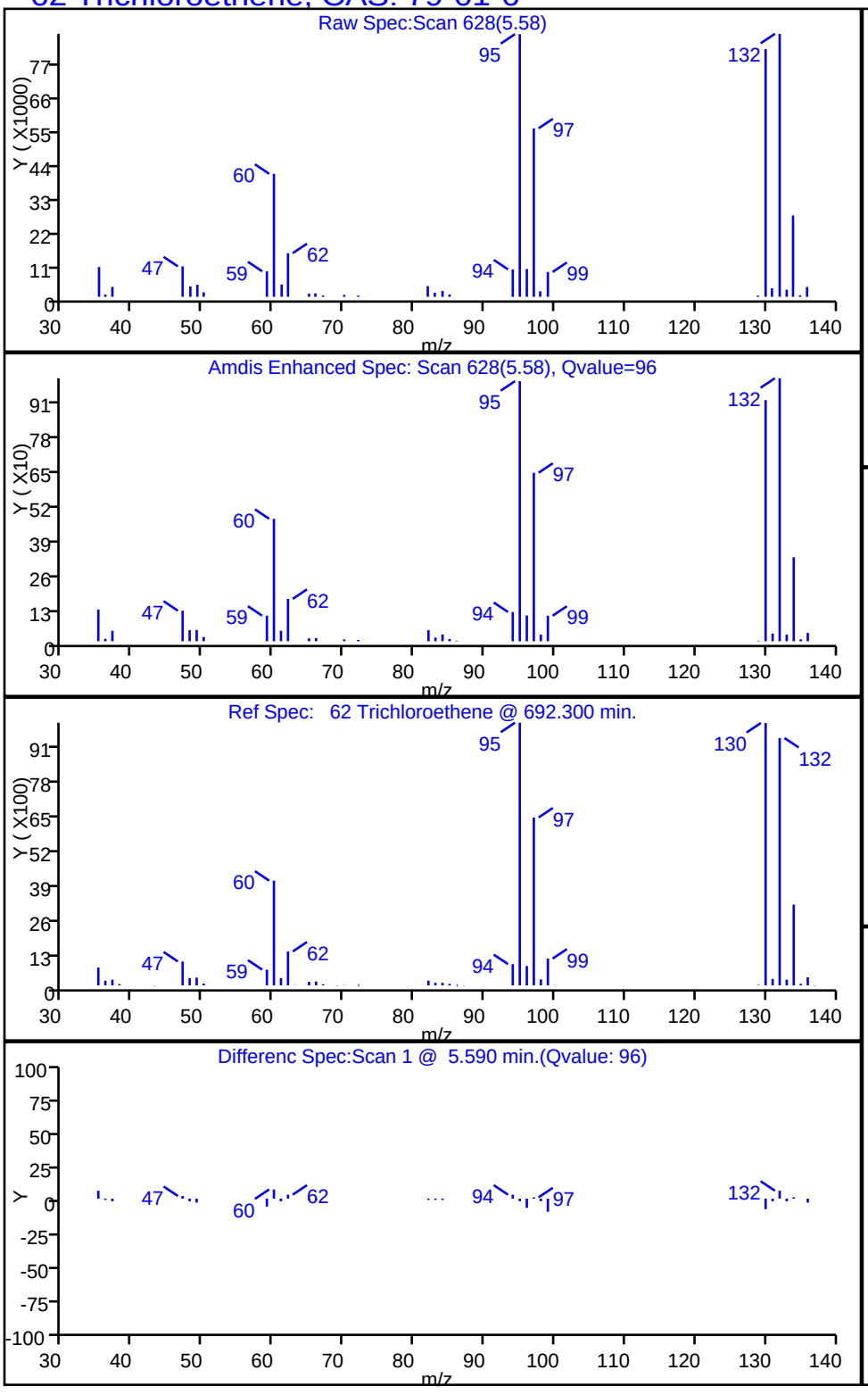
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

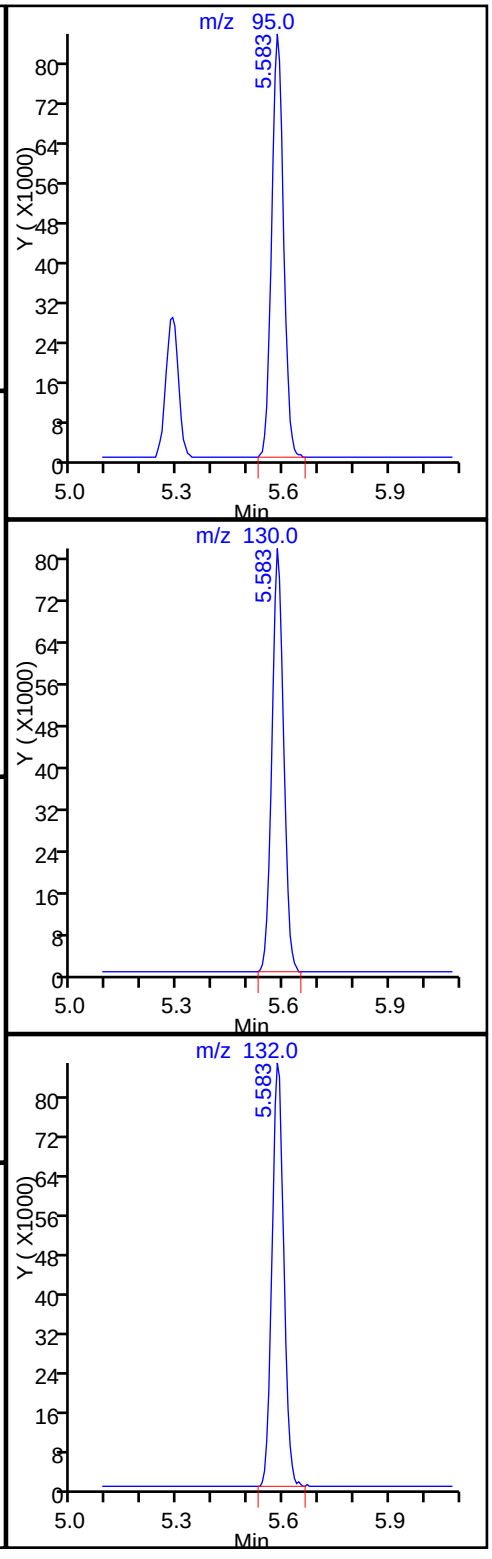
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39
Client ID:	B110-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	6 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

62 Trichloroethene, CAS: 79-01-6





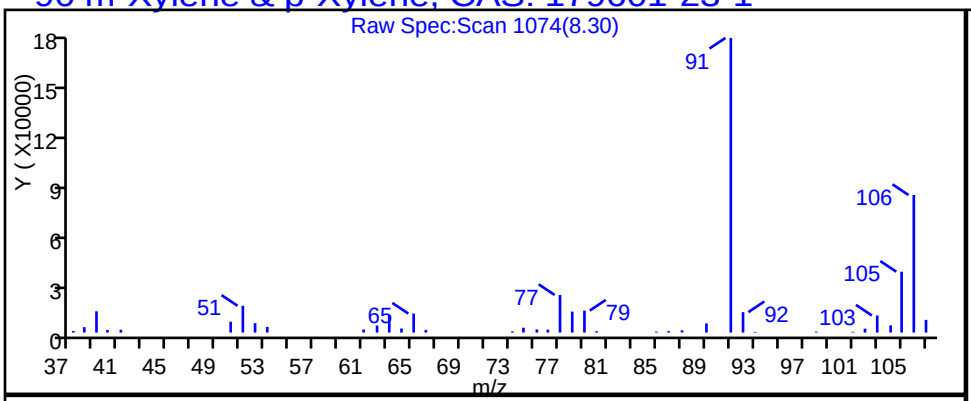
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

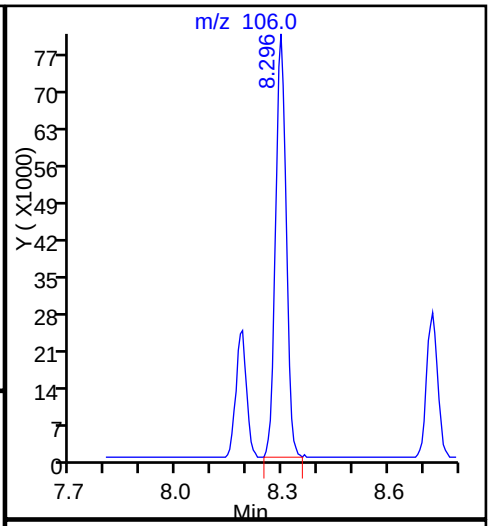
TestAmerica Buffalo

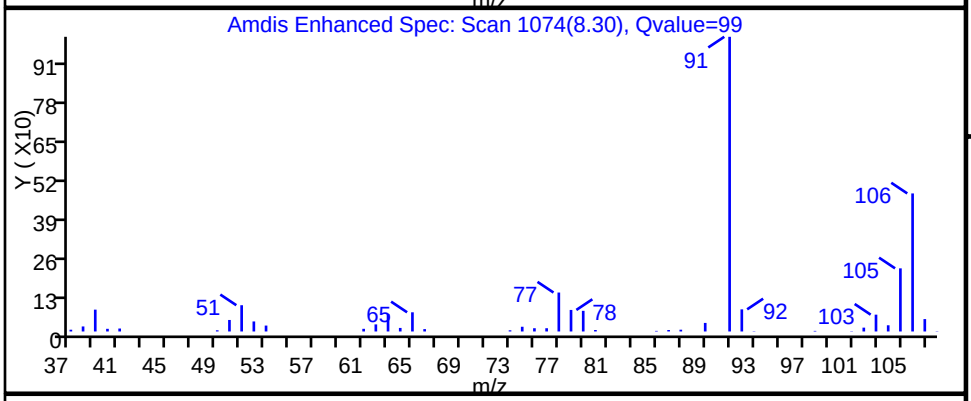
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

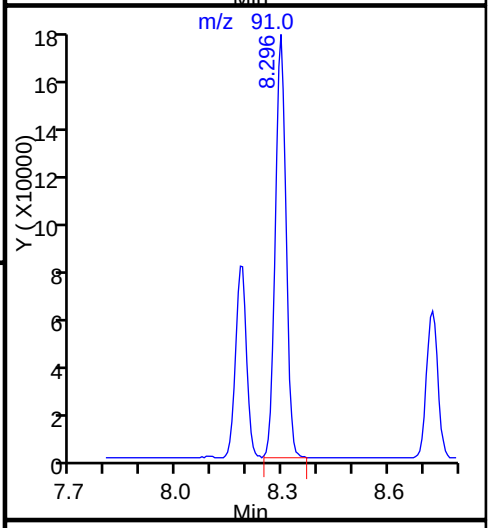
Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39
Client ID:	B110-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	6 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

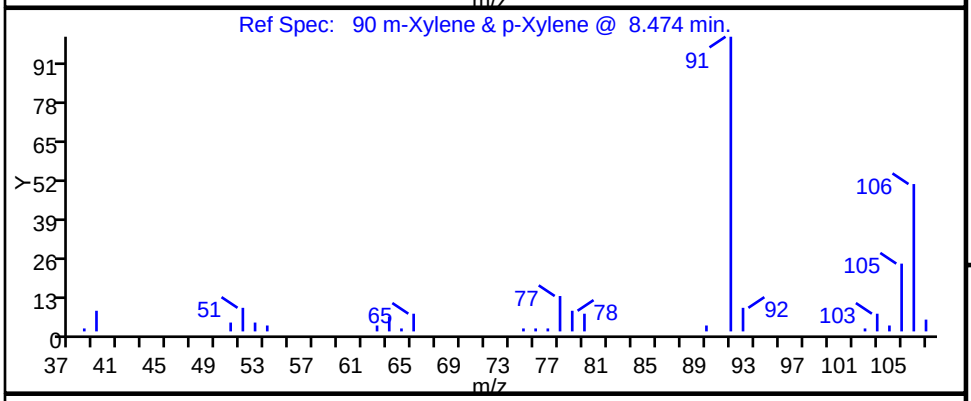
90 m-Xylene & p-Xylene, CAS: 179601-23-1

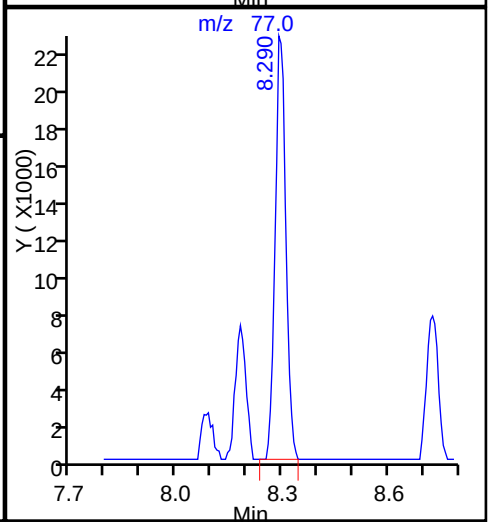


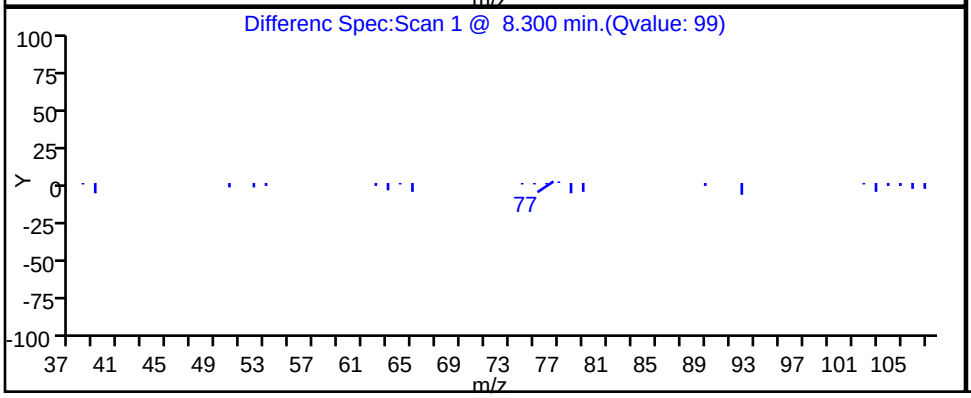












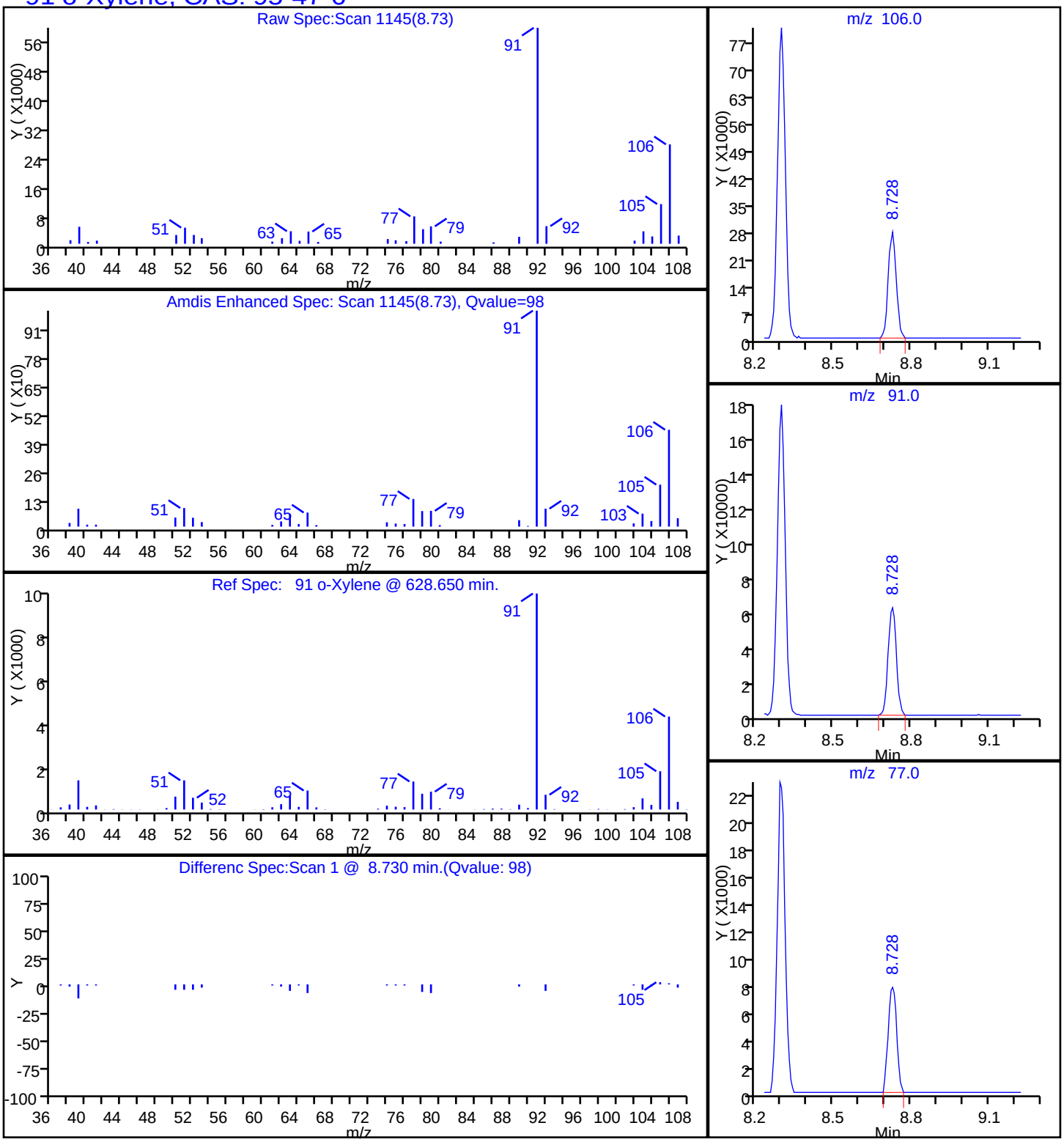
Report Date: 14-Jun-2016 23:02:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7210.D

Injection Date:	14-Jun-2016 14:43:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-39-B	Lab Sample ID:	480-101258-39
Client ID:	B110-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	6 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

91 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B110-AREA2-S1 DL | Lab Sample ID: 480-101258-39 DL

Matrix: Solid | Lab File ID: N4639.D

Analysis Method: 8260C | Date Collected: 06/07/2016 11:25

Sample wt/vol: 5.18(g) | Date Analyzed: 06/15/2016 02:32

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 7.6 | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		110	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		110	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	54
79-00-5	1,1,2-Trichloroethane	ND		110	23
75-34-3	1,1-Dichloroethane	35	J	110	34
75-35-4	1,1-Dichloroethene	ND		110	38
120-82-1	1,2,4-Trichlorobenzene	ND		110	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		110	54
106-93-4	1,2-Dibromoethane	ND		110	19
95-50-1	1,2-Dichlorobenzene	ND		110	28
107-06-2	1,2-Dichloroethane	ND		110	44
78-87-5	1,2-Dichloropropane	ND	*	110	18
541-73-1	1,3-Dichlorobenzene	ND		110	29
106-46-7	1,4-Dichlorobenzene	ND		110	15
78-93-3	2-Butanone (MEK)	ND		540	320
591-78-6	2-Hexanone	ND		540	220
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		540	35
67-64-1	Acetone	ND		540	450
71-43-2	Benzene	ND		110	21
75-27-4	Bromodichloromethane	ND		110	22
75-25-2	Bromoform	ND		110	54
74-83-9	Bromomethane	ND		110	24
75-15-0	Carbon disulfide	ND		110	49
56-23-5	Carbon tetrachloride	ND		110	28
108-90-7	Chlorobenzene	ND		110	14
75-00-3	Chloroethane	ND		110	23
67-66-3	Chloroform	ND		110	74
74-87-3	Chloromethane	ND		110	26
156-59-2	cis-1,2-Dichloroethene	3000		110	30
10061-01-5	cis-1,3-Dichloropropene	ND		110	26
110-82-7	Cyclohexane	ND	*	110	24
124-48-1	Dibromochloromethane	ND		110	53
75-71-8	Dichlorodifluoromethane	ND		110	47
100-41-4	Ethylbenzene	150		110	32
98-82-8	Isopropylbenzene	ND		110	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B110-AREA2-S1 DL | Lab Sample ID: 480-101258-39 DL

Matrix: Solid | Lab File ID: N4639.D

Analysis Method: 8260C | Date Collected: 06/07/2016 11:25

Sample wt/vol: 5.18(g) | Date Analyzed: 06/15/2016 02:32

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 7.6 | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		110	52
1634-04-4	Methyl tert-butyl ether	ND		110	41
108-87-2	Methylcyclohexane	ND		110	51
75-09-2	Methylene Chloride	ND		110	21
100-42-5	Styrene	ND		110	26
127-18-4	Tetrachloroethene	320		110	15
108-88-3	Toluene	5200		110	29
156-60-5	trans-1,2-Dichloroethene	38	J	110	26
10061-02-6	trans-1,3-Dichloropropene	ND		110	11
79-01-6	Trichloroethene	240		110	30
75-69-4	Trichlorofluoromethane	ND		110	51
75-01-4	Vinyl chloride	ND		110	36
1330-20-7	Xylenes, Total	510		220	60

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		53-146
460-00-4	4-Bromofluorobenzene (Surr)	102		49-148
2037-26-5	Toluene-d8 (Surr)	94		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D
Lims ID: 480-101258-A-39-C
Client ID: B110-AREA2-S1
Sample Type: Client
Inject. Date: 15-Jun-2016 02:32:30 ALS Bottle#: 13 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-39-C
Misc. Info.: 480-0054040-034
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 12:22:38 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: o'briens Date: 15-Jun-2016 12:51:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.558	0.006	98	95772	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.557	0.001	89	334394	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	153492	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	149588	25.8	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	435412	23.5	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	87	128862	25.6	
11 Dichlorodifluoromethane	85		1.397				ND	
13 Chloromethane	50		1.555				ND	
14 Vinyl chloride	62		1.665				ND	
15 Bromomethane	94		1.963				ND	
16 Chloroethane	64		2.072				ND	
18 Trichlorofluoromethane	101		2.334				ND	
22 1,1-Dichloroethene	96		2.802				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821				ND	
23 Acetone	43		2.900				ND	
25 Carbon disulfide	76		3.003				ND	
28 Methyl acetate	43		3.210				ND	
30 Methylene Chloride	84		3.307				ND	
32 Methyl tert-butyl ether	73		3.532				ND	
33 trans-1,2-Dichloroethene	96	3.533	3.545	-0.012	37	1495	0.3491	
36 1,1-Dichloroethane	63	3.958	3.958	0.000	1	2948	0.3253	
43 cis-1,2-Dichloroethene	96	4.500	4.506	-0.006	84	142071	28.0	
44 2-Butanone (MEK)	43		4.530				ND	
50 Chloroform	83		4.816				ND	
51 1,1,1-Trichloroethane	97		4.944				ND	
52 Cyclohexane	56		4.974				ND	
53 Carbon tetrachloride	117		5.090				ND	
55 Benzene	78		5.297				ND	
57 1,2-Dichloroethane	62		5.345				ND	
60 Trichloroethene	95	5.899	5.911	-0.012	92	9160	2.22	
62 Methylcyclohexane	83		6.051				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.136				ND	
67 Dichlorobromomethane	83		6.422				ND	
71 cis-1,3-Dichloropropene	75		6.842				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982				ND	
73 Toluene	92	7.140	7.140	0.000	98	557506	48.1	
75 trans-1,3-Dichloropropene	75		7.402				ND	
78 1,1,2-Trichloroethane	83		7.590				ND	
79 Tetrachloroethene	166	7.688	7.688	0.000	92	12511	2.99	
82 2-Hexanone	43		7.821				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
85 Chlorobenzene	112		8.588				ND	
88 Ethylbenzene	91	8.685	8.691	-0.006	97	29812	1.35	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	34753	3.30	
91 o-Xylene	106	9.239	9.239	0.000	98	12303	1.39	
92 Styrene	104		9.263				ND	
93 Bromoform	173		9.494				ND	
95 Isopropylbenzene	105		9.622				ND	
98 1,1,2,2-Tetrachloroethane	83		9.987				ND	
110 1,3-Dichlorobenzene	146		10.869				ND	
113 1,4-Dichlorobenzene	146		10.954				ND	
116 1,2-Dichlorobenzene	146		11.307				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.019				ND	
119 1,2,4-Trichlorobenzene	180		12.713				ND	
S 126 Xylenes, Total	1				0		4.69	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

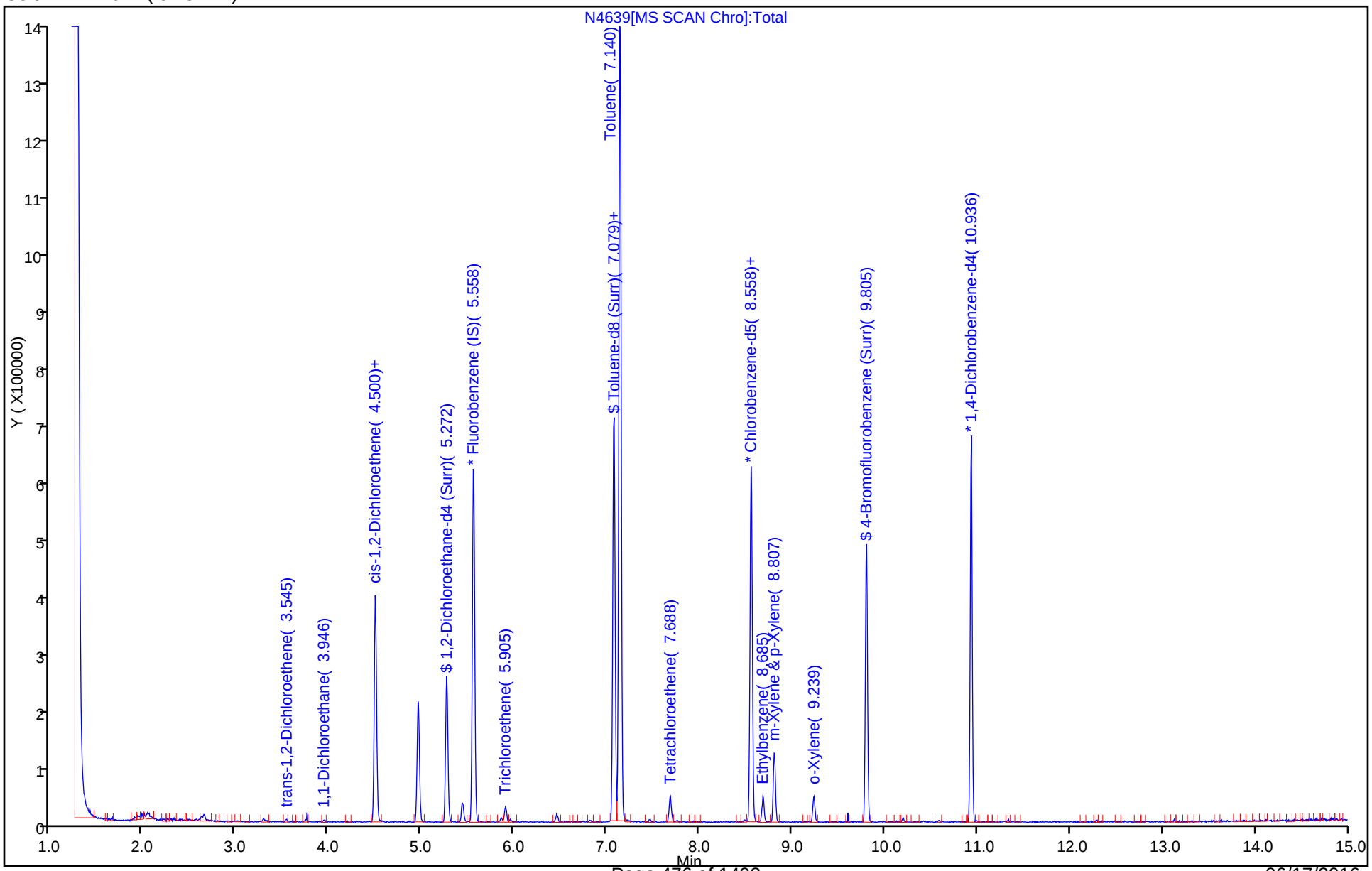
Report Date: 15-Jun-2016 12:51:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D

Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39	Worklist Smp#:	34
Client ID:	B110-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

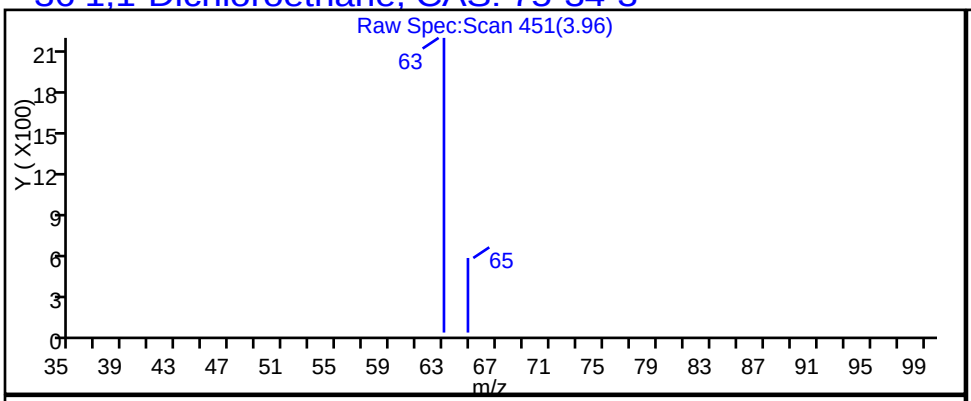
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D				
Lims ID:	480-101258-A-39-C				
Client ID:	B110-AREA2-S1				
Sample Type:	Client				
Inject. Date:	15-Jun-2016 02:32:30	ALS Bottle#:	13	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101258-A-39-C				
Misc. Info.:	480-0054040-034				
Operator ID:	GF	Instrument ID:	HP5973N		
Method:	\\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Jun-2016 12:22:38	Calib Date:	19-May-2016 01:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK021				

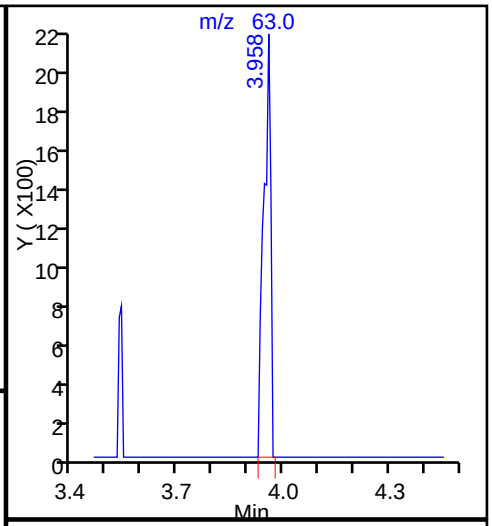
First Level Reviewer: o'briens Date: 15-Jun-2016 12:51:22

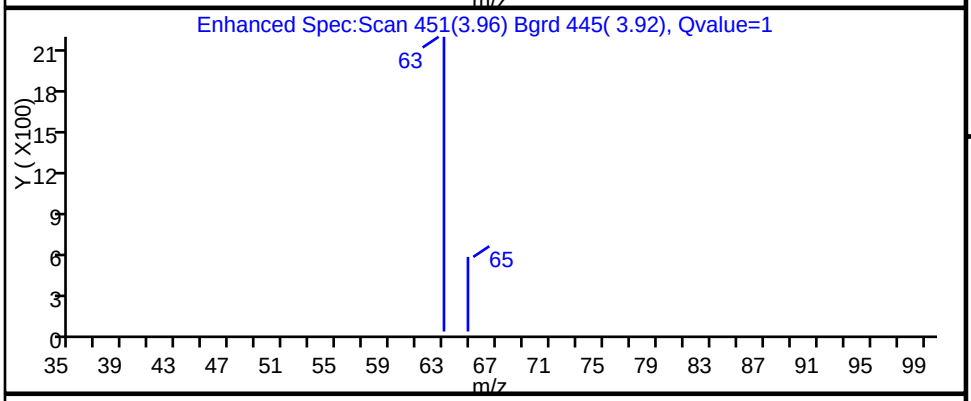
Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.8	103.34
$ 6 Toluene-d8 (Surr)	25.0	23.5	93.93
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.6	102.22

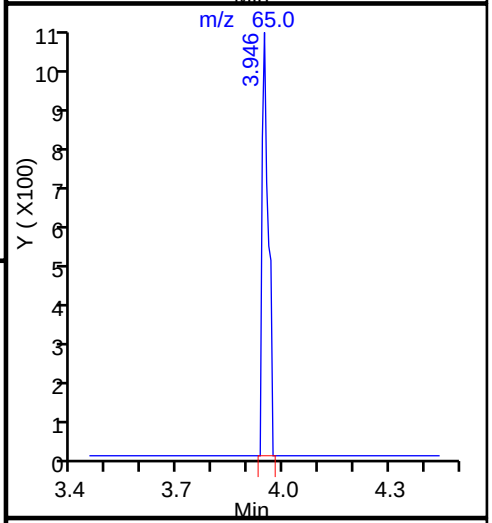
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D
Injection Date: 15-Jun-2016 02:32:30 Instrument ID: HP5973N
Lims ID: 480-101258-A-39-C Lab Sample ID: 480-101258-39
Client ID: B110-AREA2-S1
Operator ID: GF ALS Bottle#: 13 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

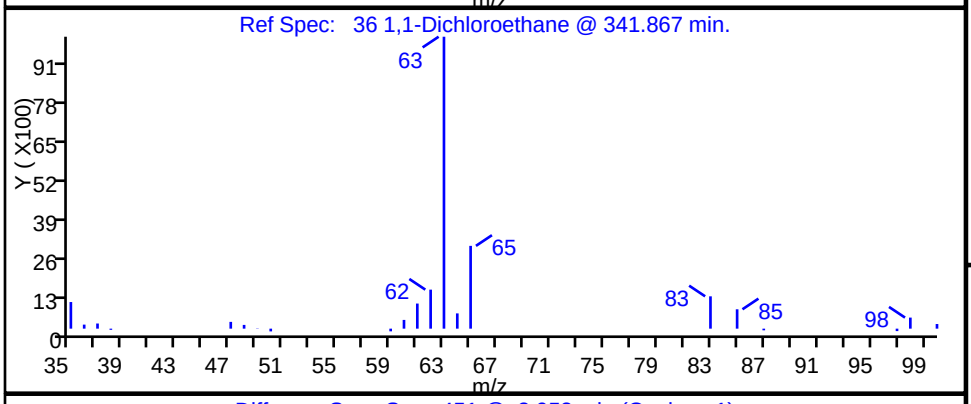
36 1,1-Dichloroethane, CAS: 75-34-3

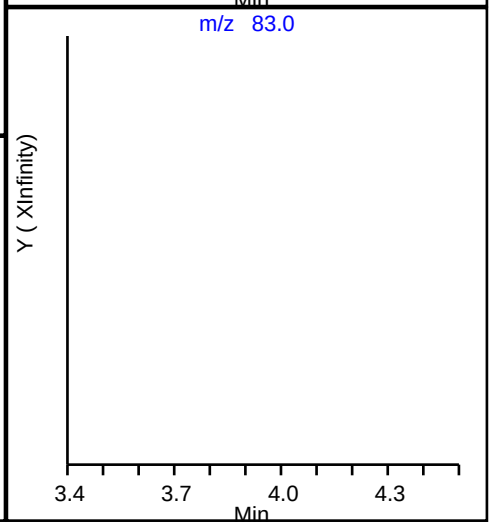


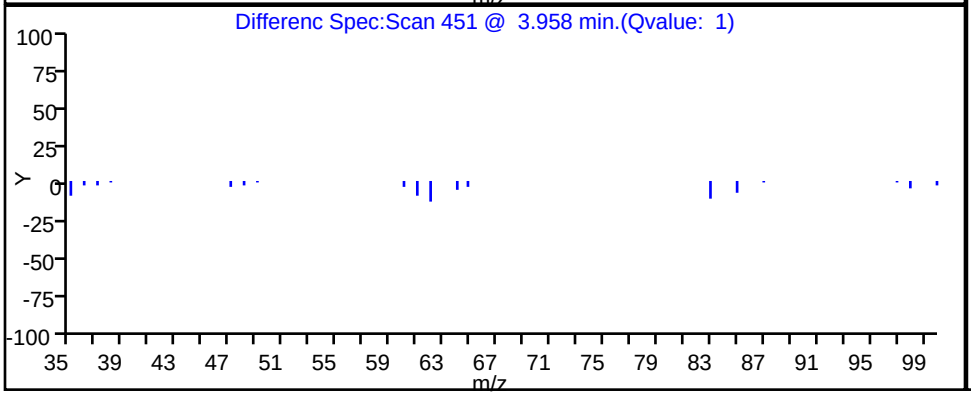








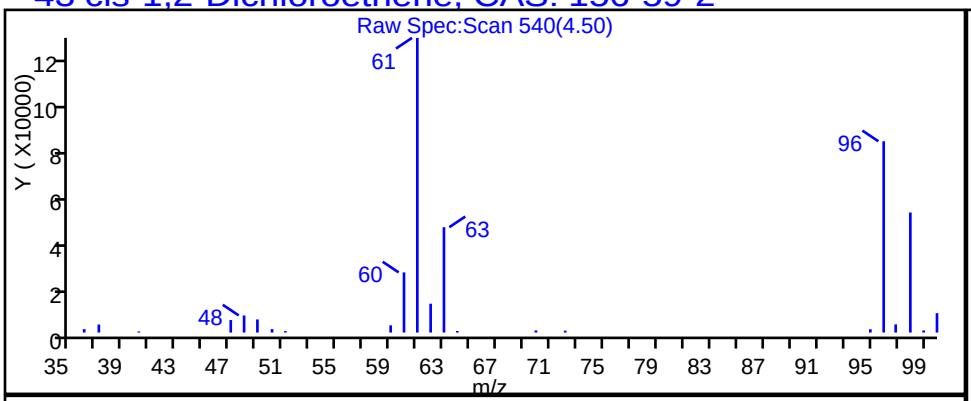


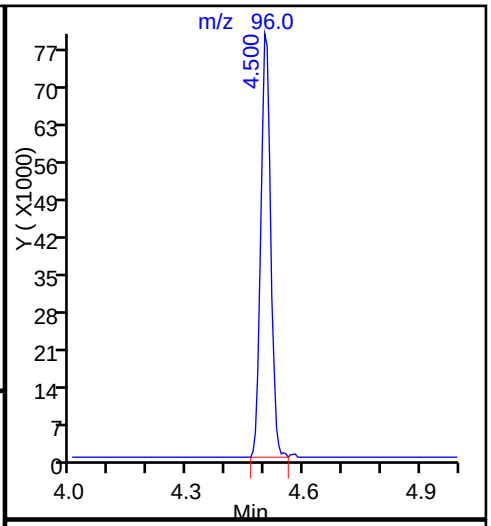


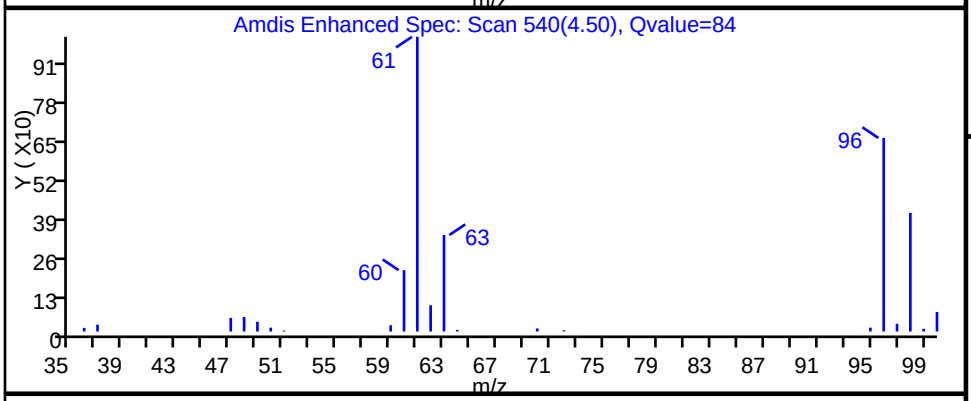
TestAmerica Buffalo

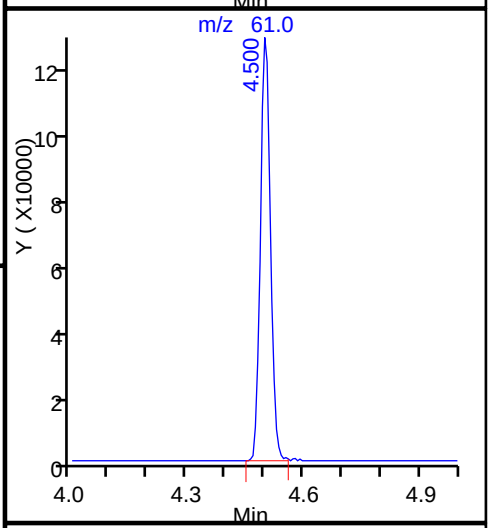
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D				
Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	13	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

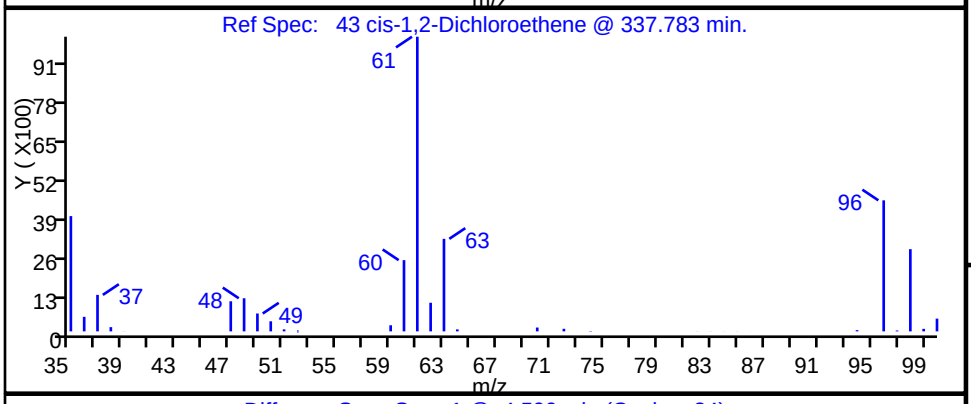
43 cis-1,2-Dichloroethene, CAS: 156-59-2

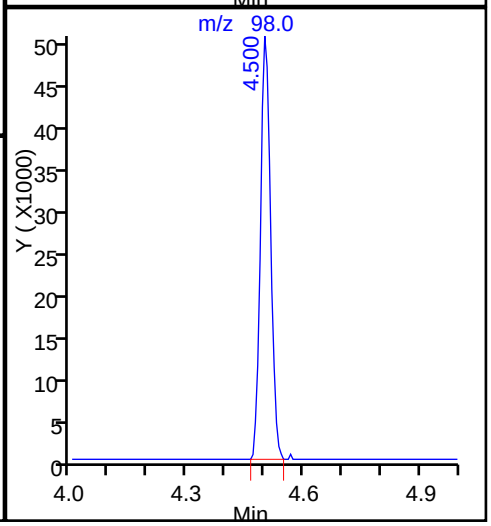


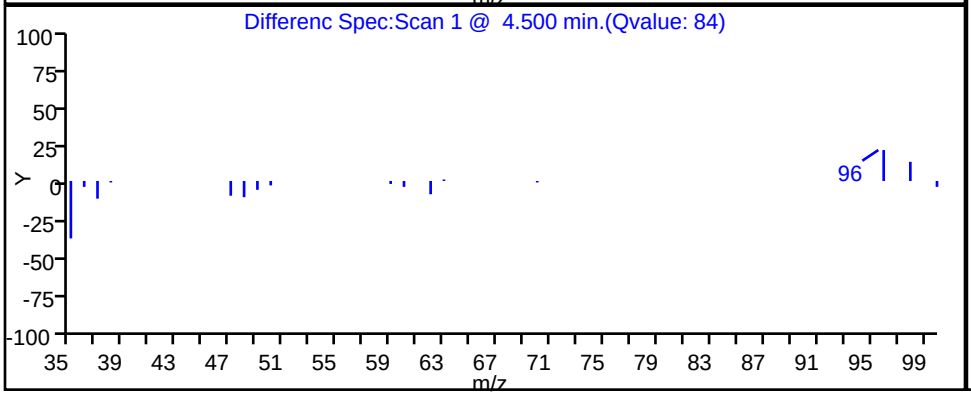












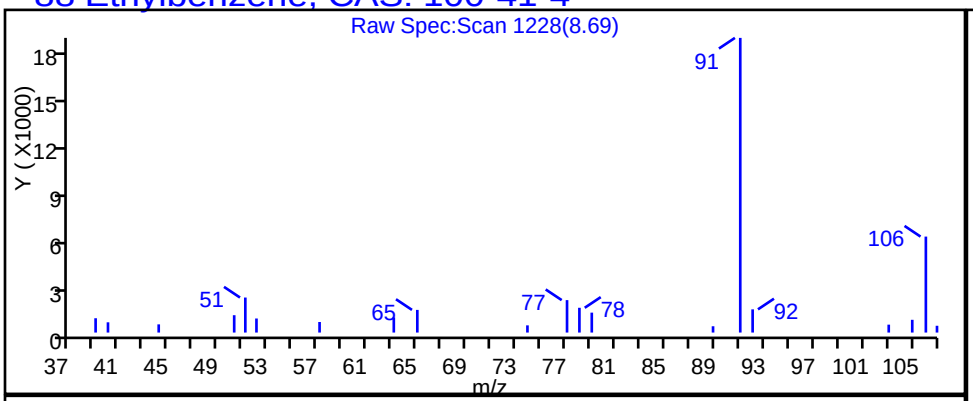
Report Date: 15-Jun-2016 12:51:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

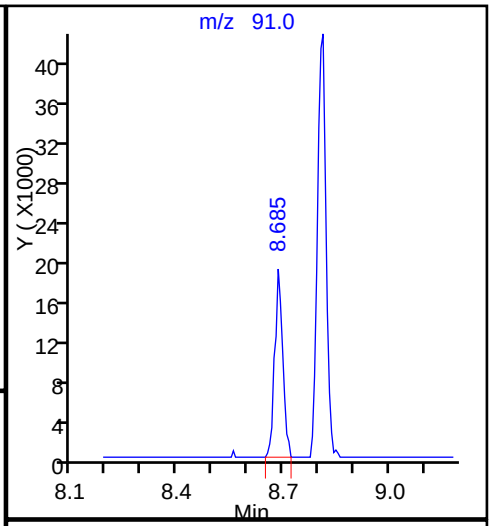
TestAmerica Buffalo

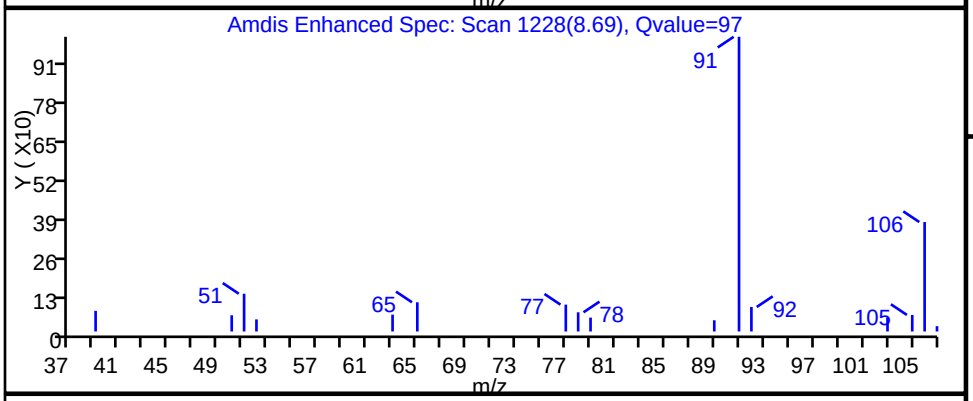
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D

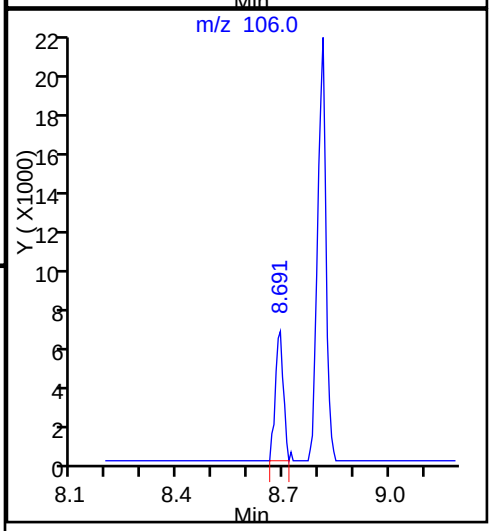
Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	13	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

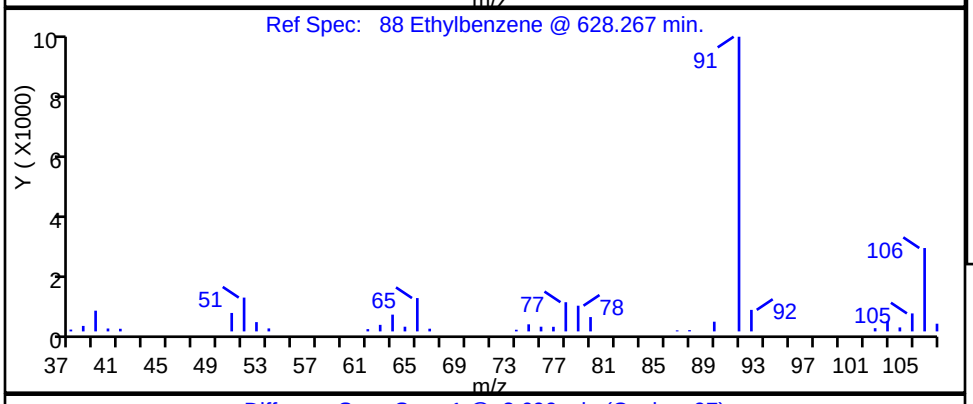
88 Ethylbenzene, CAS: 100-41-4

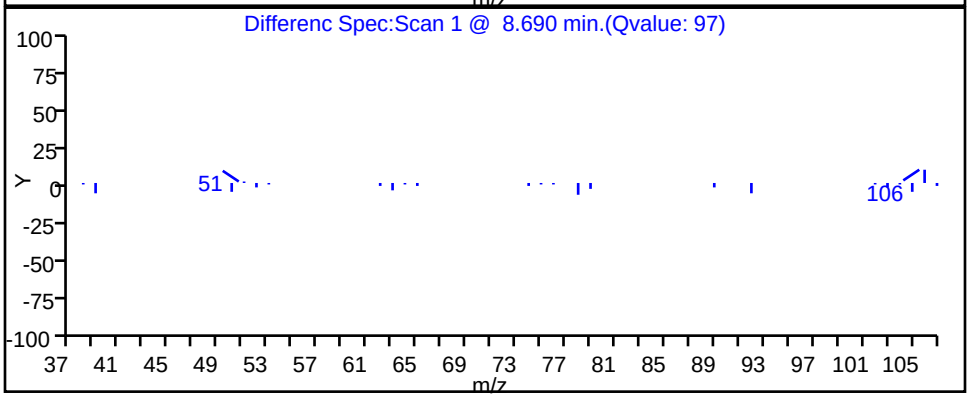






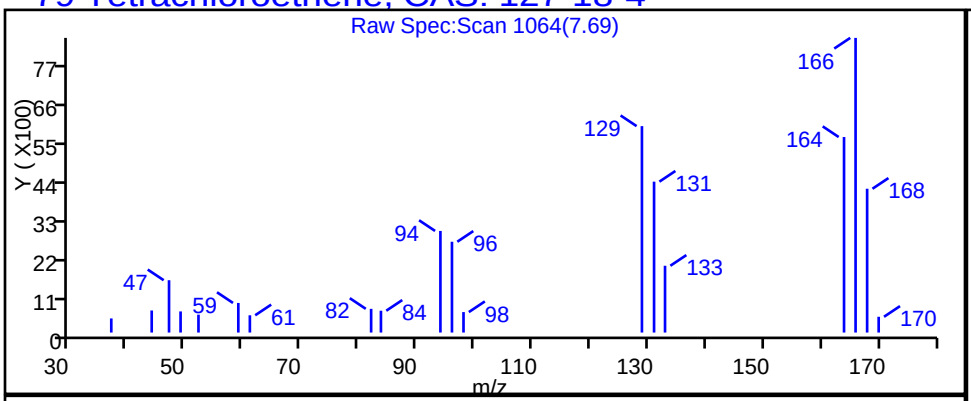


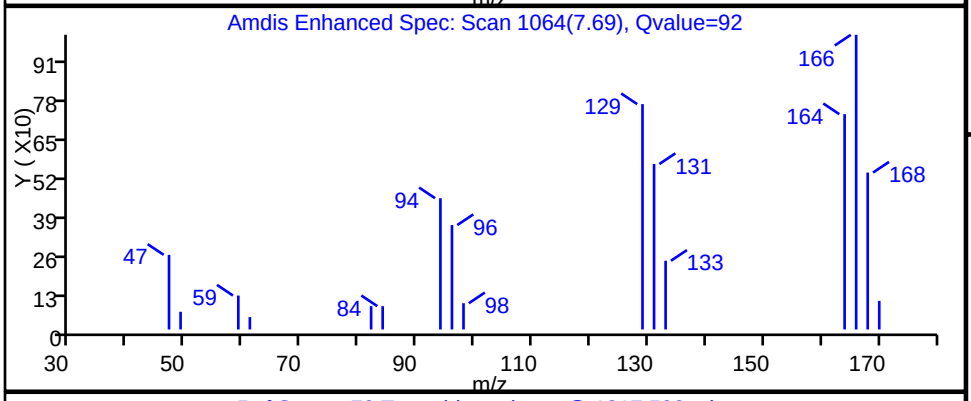


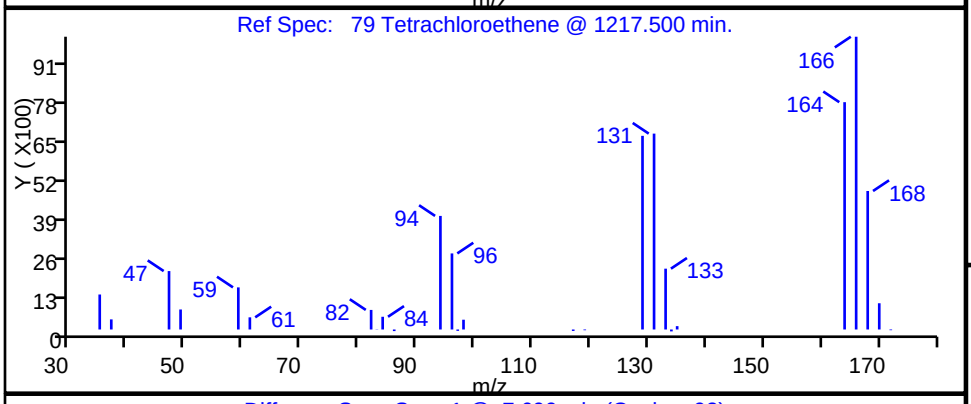


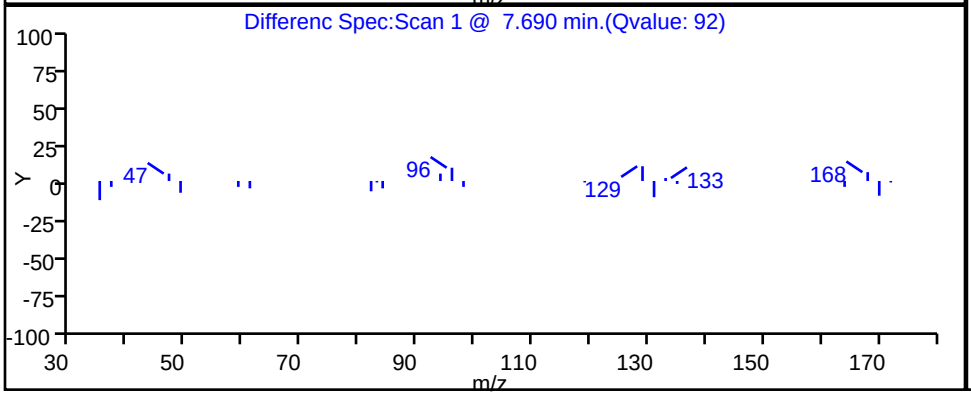
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D
Injection Date: 15-Jun-2016 02:32:30 Instrument ID: HP5973N
Lims ID: 480-101258-A-39-C Lab Sample ID: 480-101258-39
Client ID: B110-AREA2-S1
Operator ID: GF ALS Bottle#: 13 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

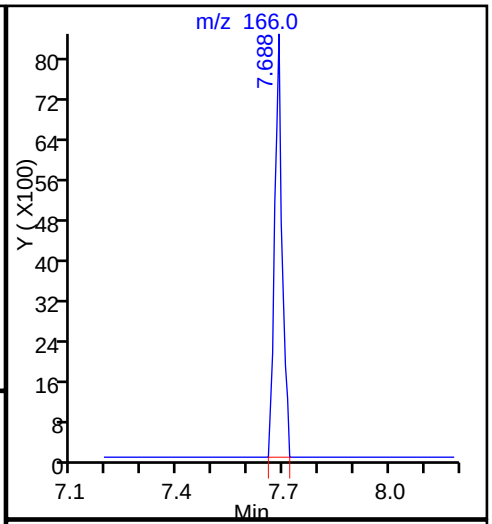
79 Tetrachloroethene, CAS: 127-18-4

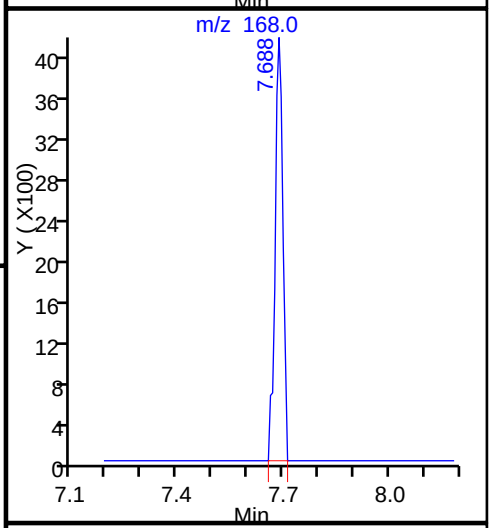


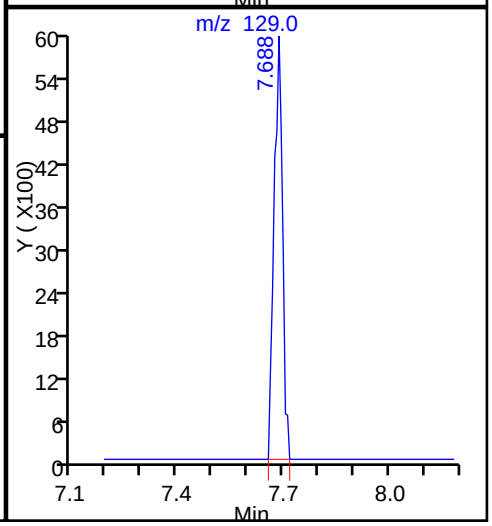












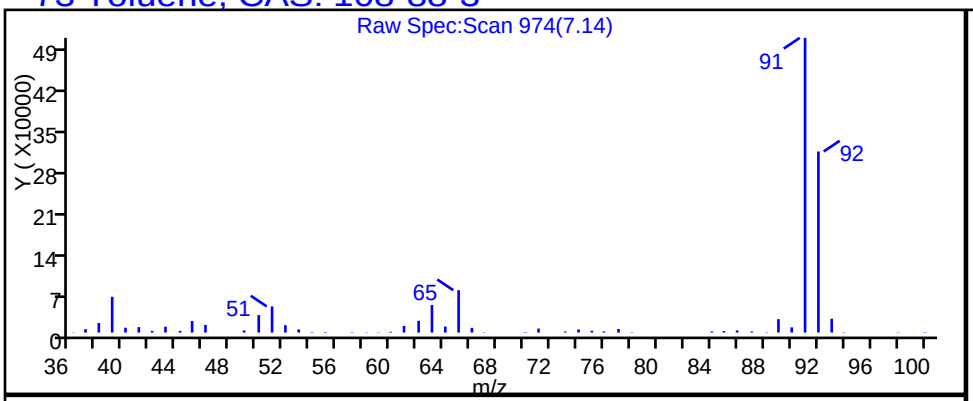
Report Date: 15-Jun-2016 12:51:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

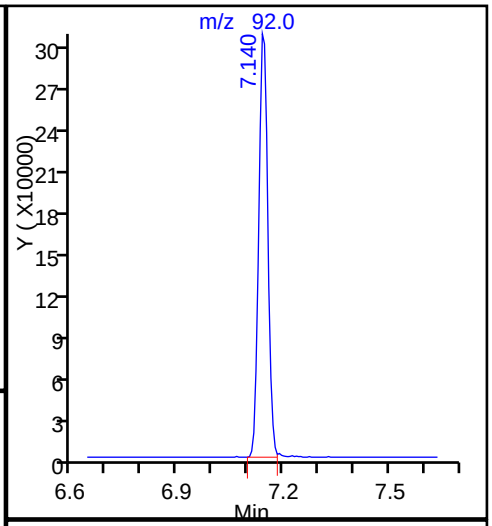
TestAmerica Buffalo

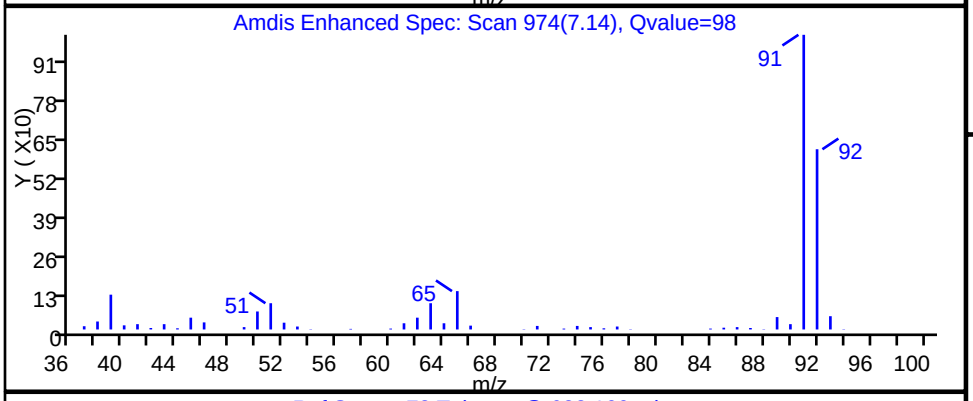
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D

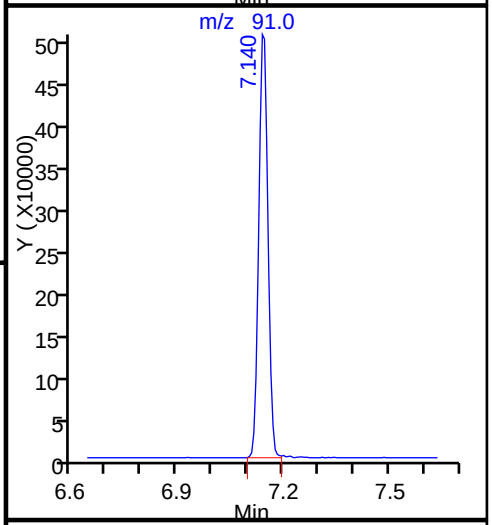
Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39
Client ID:	B110-AREA2-S1		
Operator ID:	GF	ALS Bottle#:	13 Worklist Smp#: 34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

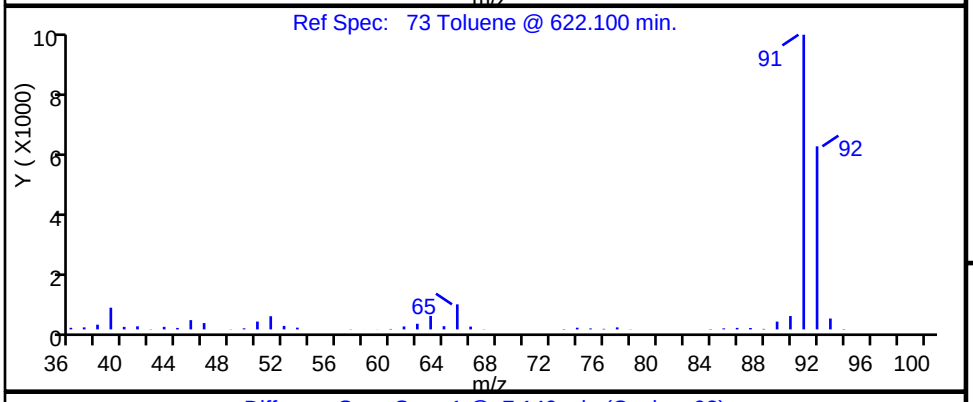
73 Toluene, CAS: 108-88-3

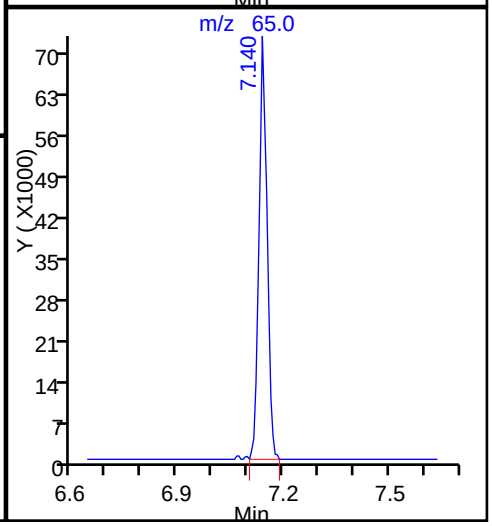


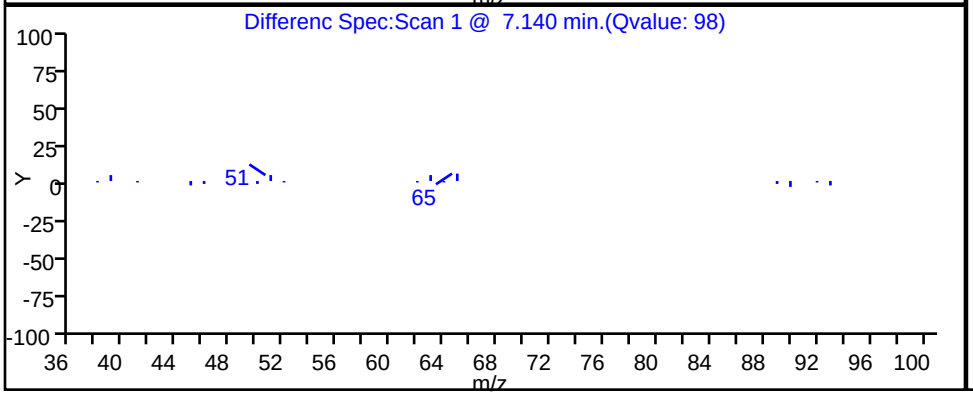












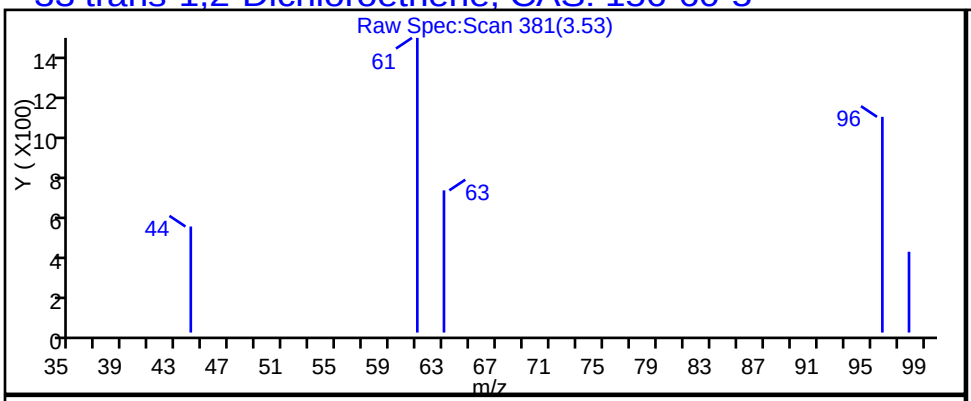
Report Date: 15-Jun-2016 12:51:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

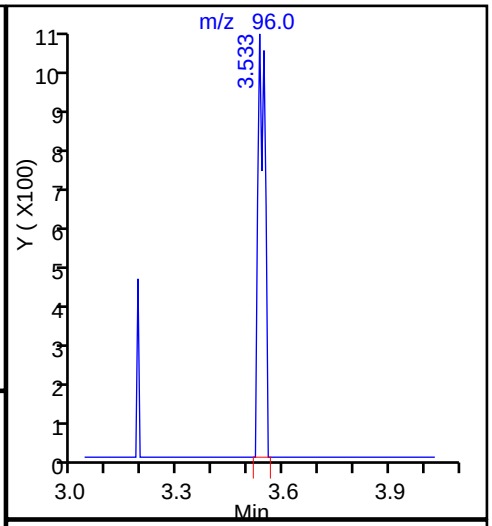
TestAmerica Buffalo

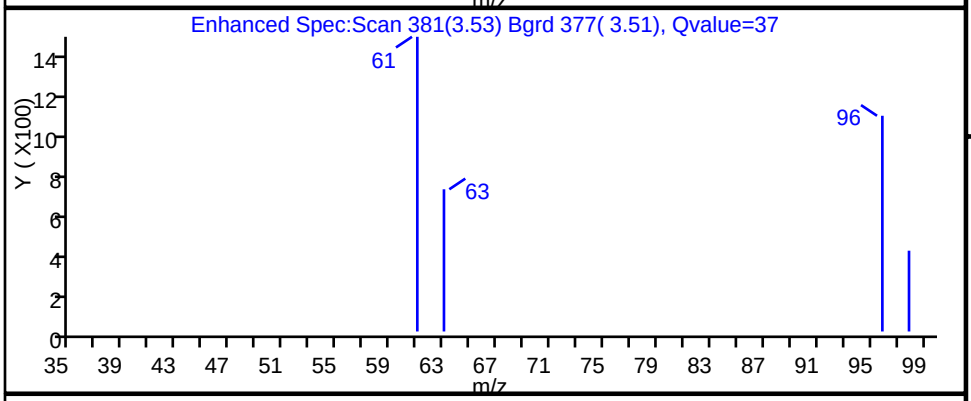
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D

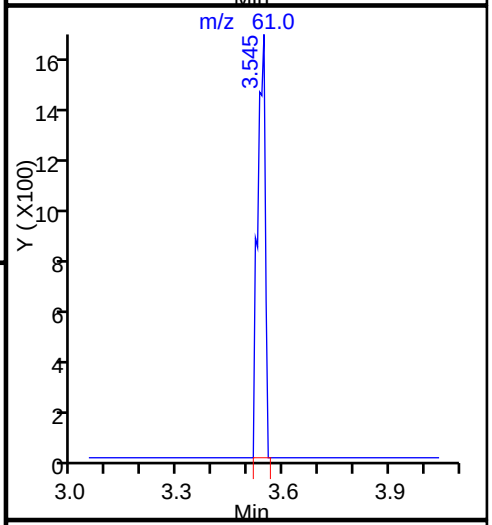
Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	13	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

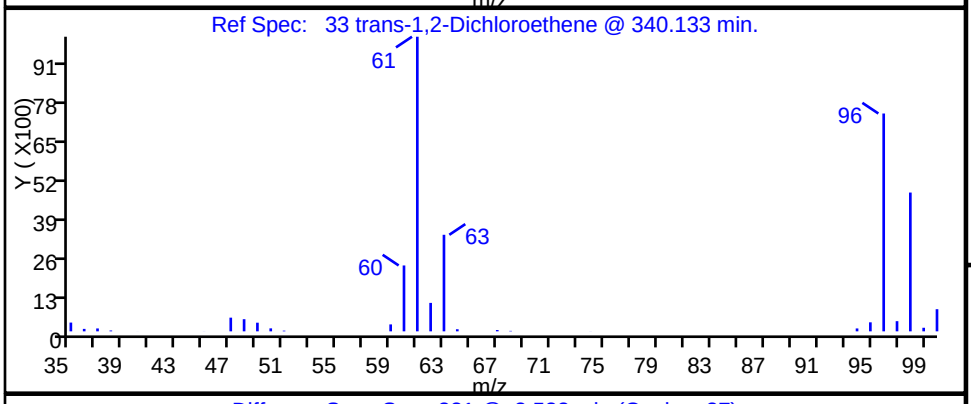
33 trans-1,2-Dichloroethene, CAS: 156-60-5

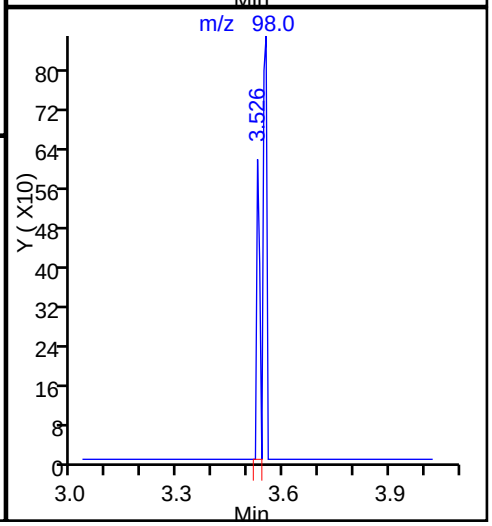


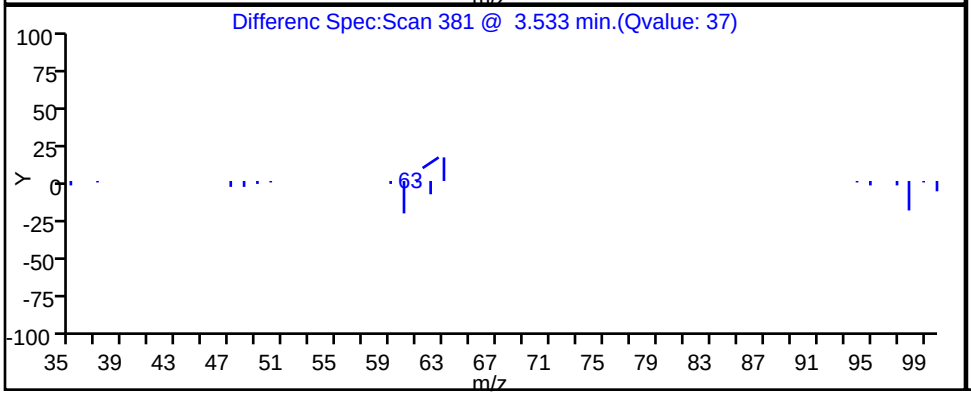












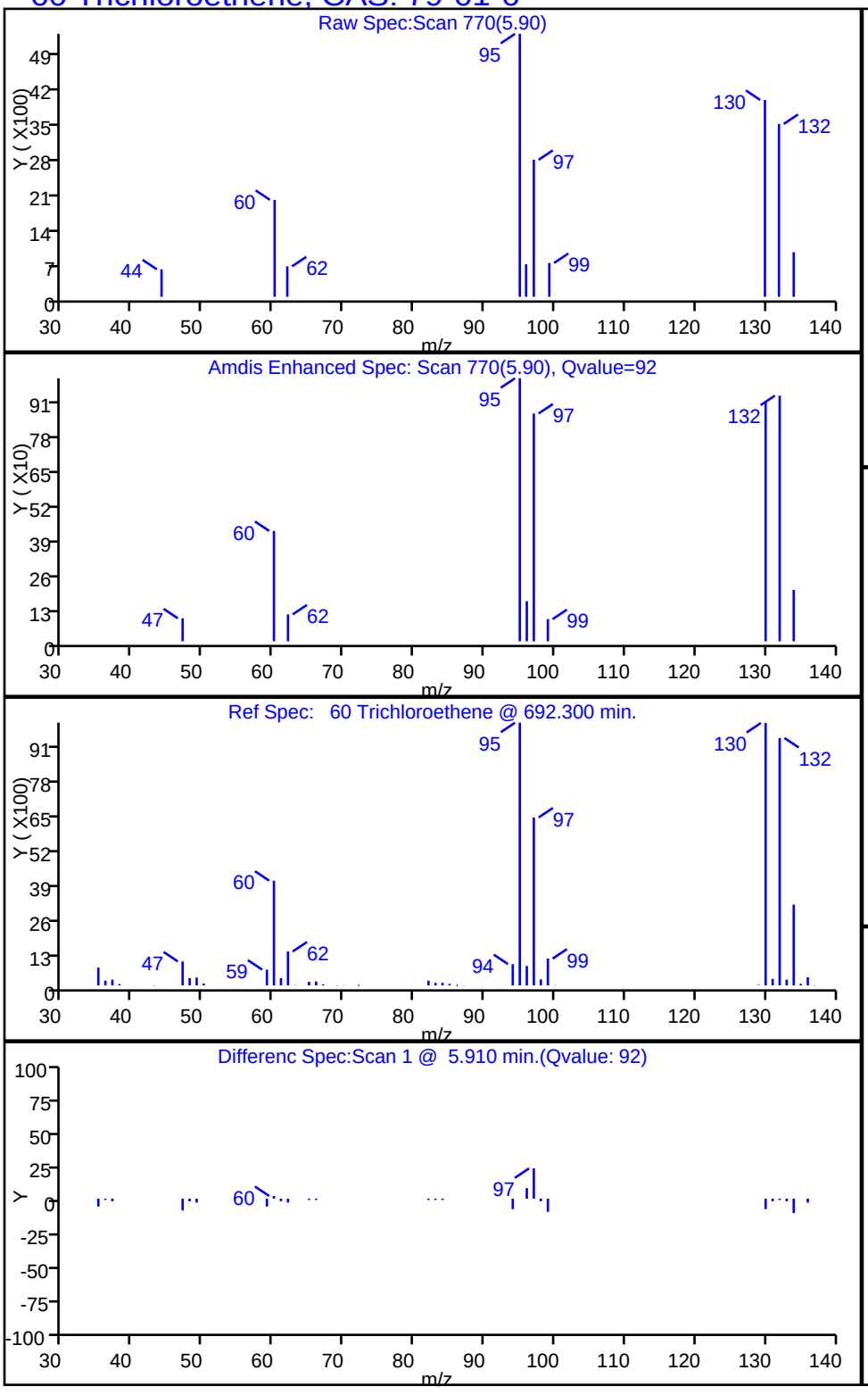
Report Date: 15-Jun-2016 12:51:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

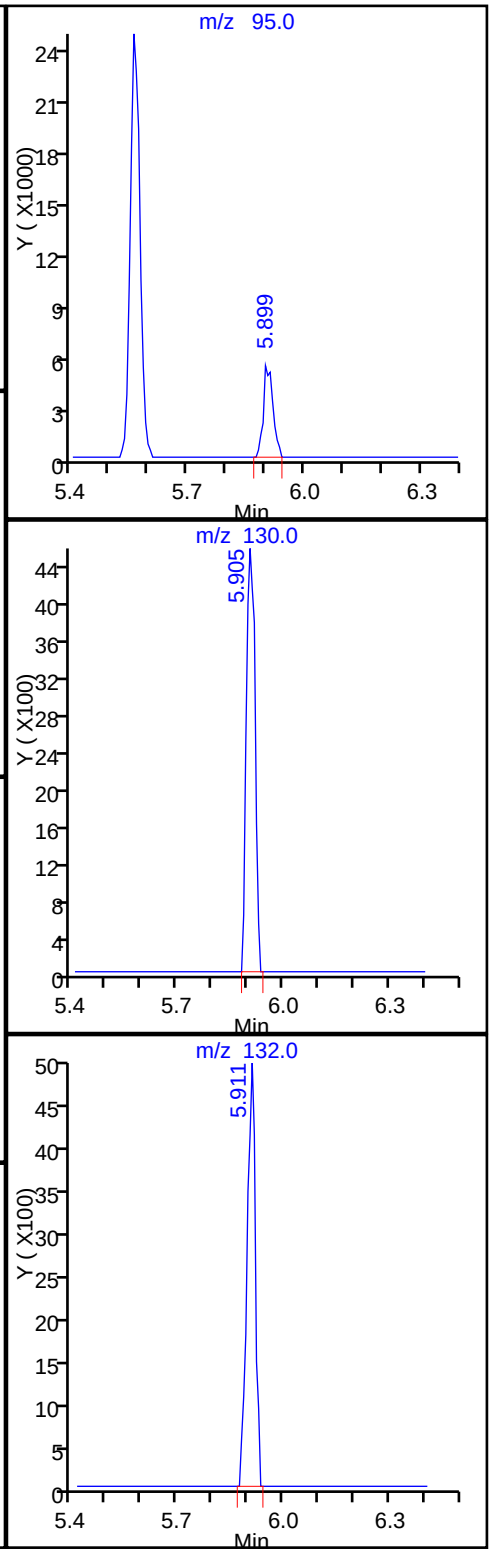
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D

Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	13	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

60 Trichloroethene, CAS: 79-01-6



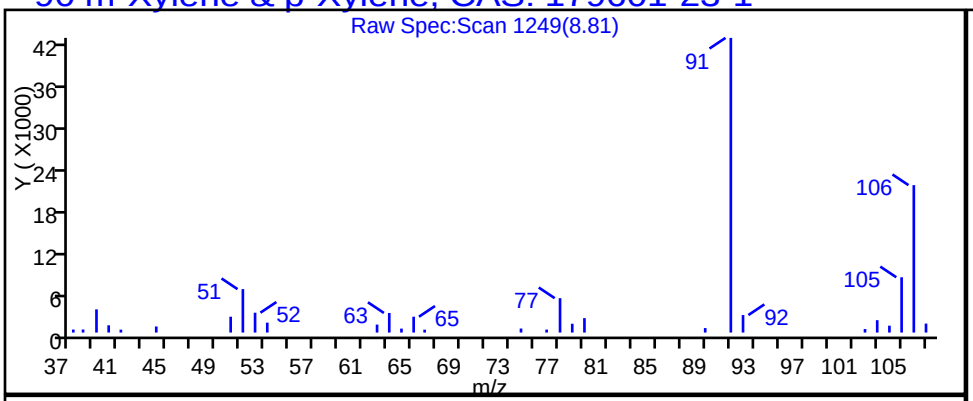


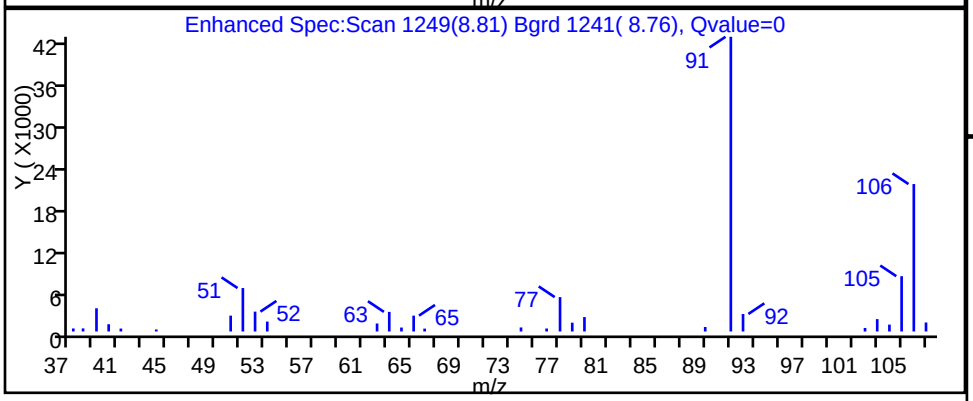
TestAmerica Buffalo

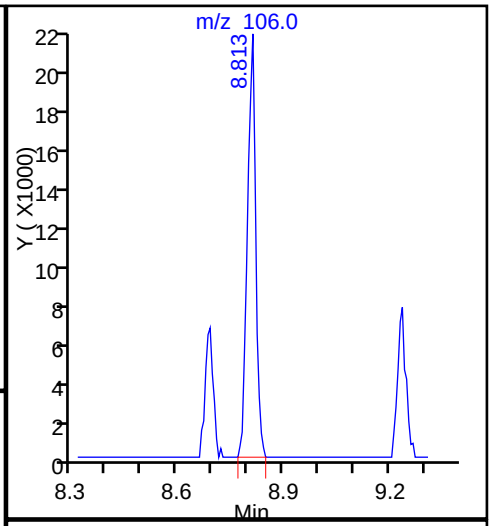
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D

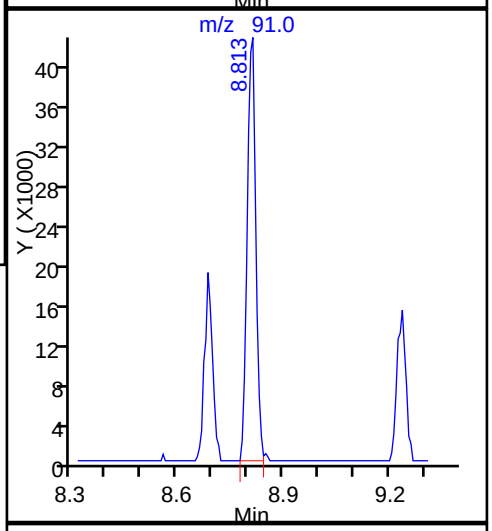
Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	13	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

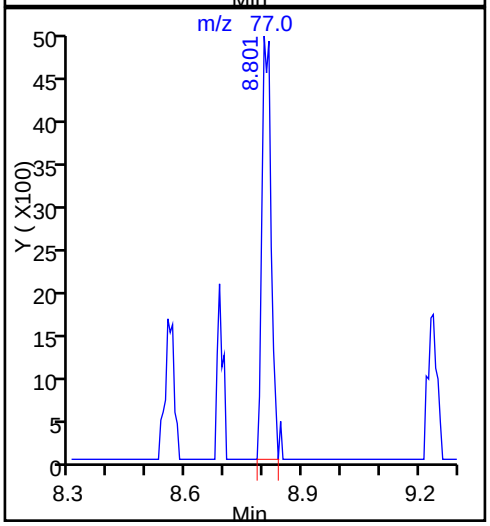
90 m-Xylene & p-Xylene, CAS: 179601-23-1











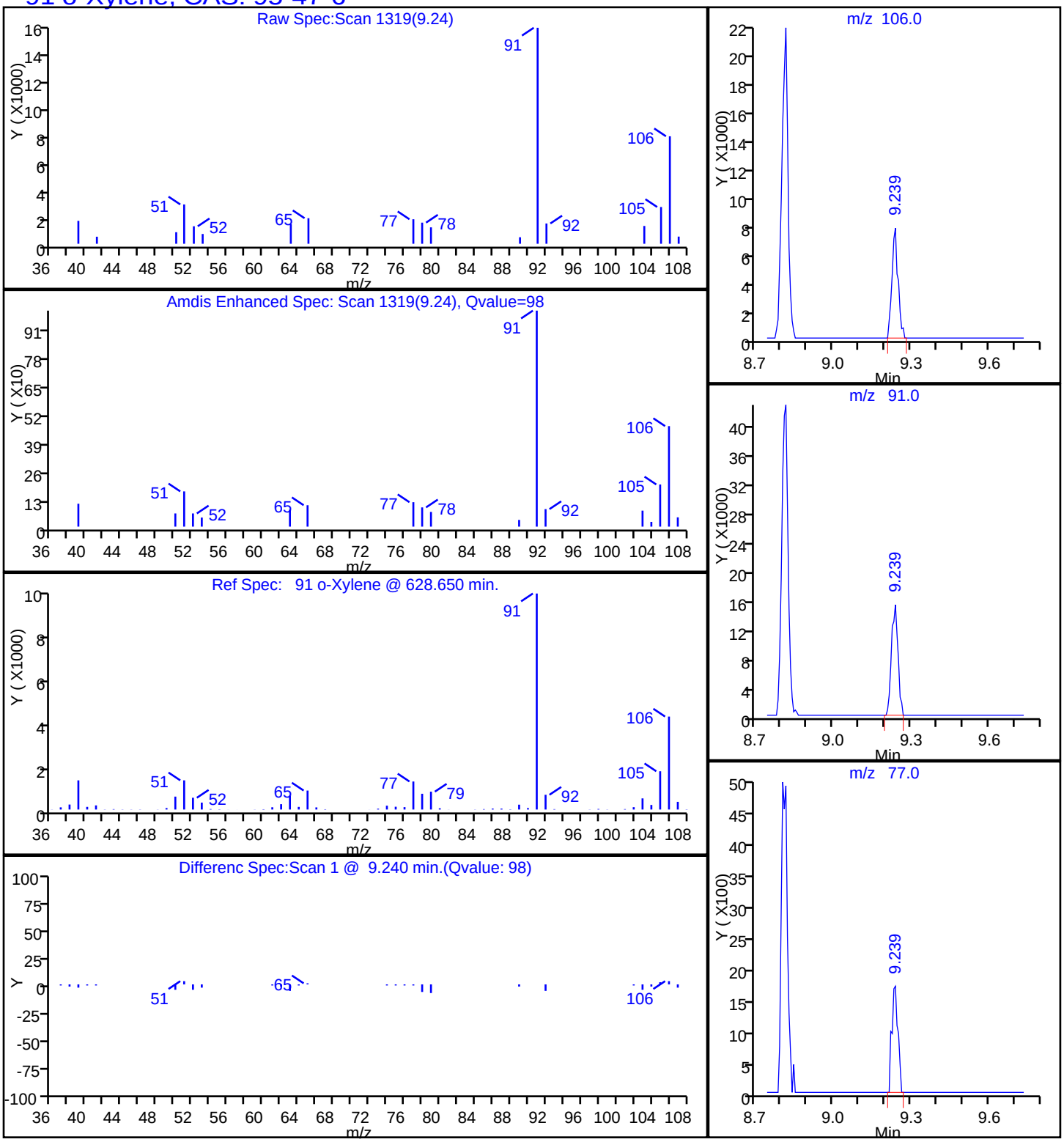
Report Date: 15-Jun-2016 12:51:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4639.D

Injection Date:	15-Jun-2016 02:32:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-39-C	Lab Sample ID:	480-101258-39		
Client ID:	B110-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	13	Worklist Smp#:	34
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B110-AREA2-S2 | Lab Sample ID: 480-101258-40

Matrix: Solid | Lab File ID: F7211.D

Analysis Method: 8260C | Date Collected: 06/07/2016 11:45

Sample wt/vol: 5.12(g) | Date Analyzed: 06/14/2016 15:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 6.7 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.2	0.68
75-34-3	1,1-Dichloroethane	ND		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND		5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.2	2.6
106-93-4	1,2-Dibromoethane	ND		5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND		5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND		26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND		5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.51
108-90-7	Chlorobenzene	ND		5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.32
156-59-2	cis-1,2-Dichloroethene	4.1	J	5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND		5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND		5.2	0.36
98-82-8	Isopropylbenzene	ND		5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B110-AREA2-S2 | Lab Sample ID: 480-101258-40

Matrix: Solid | Lab File ID: F7211.D

Analysis Method: 8260C | Date Collected: 06/07/2016 11:45

Sample wt/vol: 5.12(g) | Date Analyzed: 06/14/2016 15:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 6.7 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.80
75-09-2	Methylene Chloride	16		5.2	2.4
100-42-5	Styrene	ND		5.2	0.26
127-18-4	Tetrachloroethene	ND		5.2	0.70
108-88-3	Toluene	0.55	J	5.2	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND		5.2	2.3
79-01-6	Trichloroethene	ND		5.2	1.2
75-69-4	Trichlorofluoromethane	ND		5.2	0.50
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	89		72-126
2037-26-5	Toluene-d8 (Surr)	98		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7211.D
Lims ID: 480-101258-A-40-B
Client ID: B110-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 15:08:30 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-40-B
Misc. Info.: 480-0054020-013
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:38:11 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:38:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	165470	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	319681	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	221955	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	125203	52.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	94	676393	48.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	197009	44.3	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.113	3.101	0.012	67	7729	1.29	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	87	86439	15.0	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.390	4.384	0.006	82	20302	3.95	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.714	6.714	0.000	98	5859	0.5287	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.231				ND	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91		8.180				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 IS_00455	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added: 1.00	Units: uL	Run Reagent

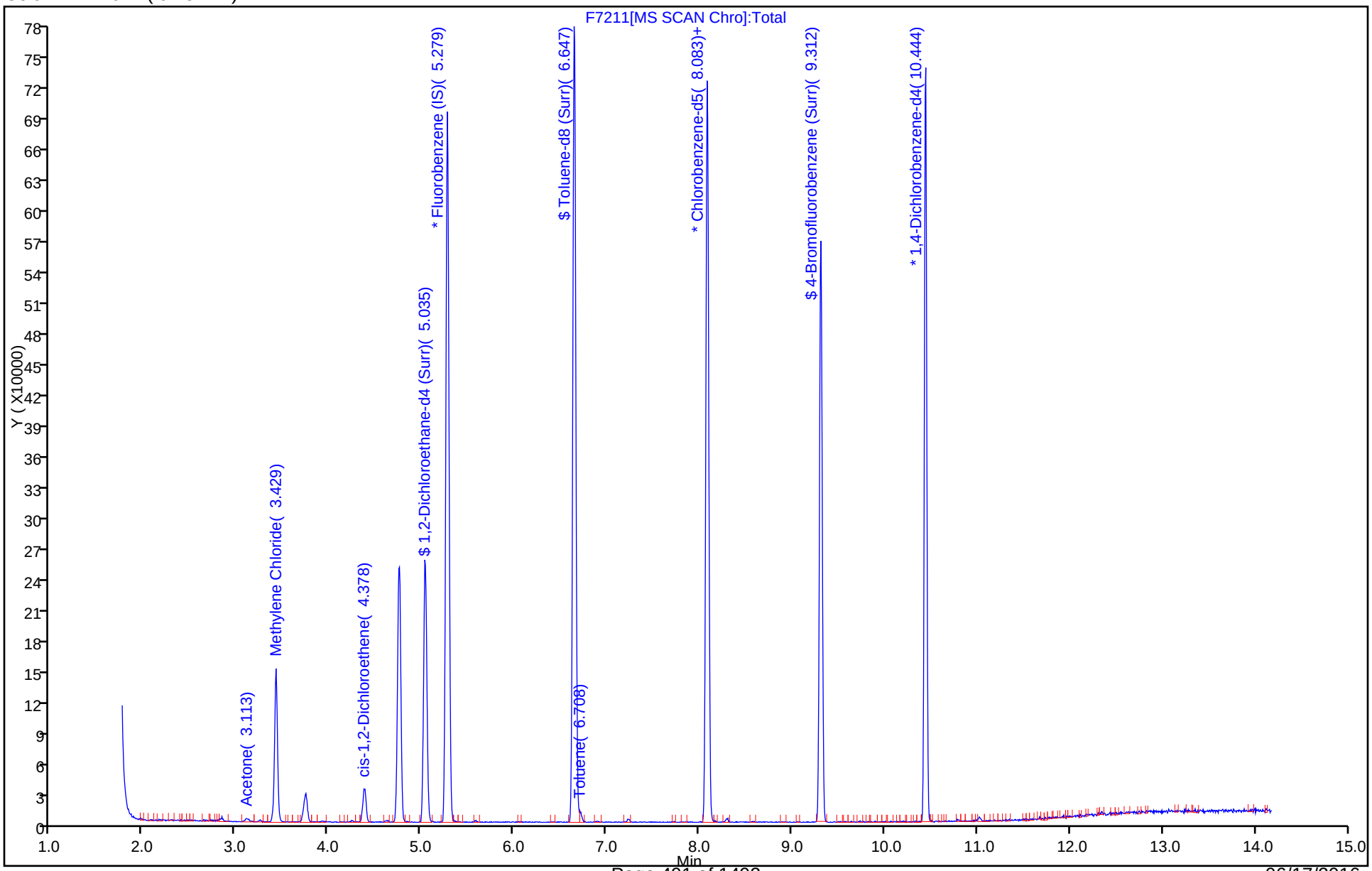
Report Date: 14-Jun-2016 19:38:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7211.D

Injection Date:	14-Jun-2016 15:08:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-40-B	Lab Sample ID:	480-101258-40	Worklist Smp#:	13
Client ID:	B110-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7211.D
Lims ID: 480-101258-A-40-B
Client ID: B110-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 15:08:30 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-40-B
Misc. Info.: 480-0054020-013
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:38:11 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:38:54

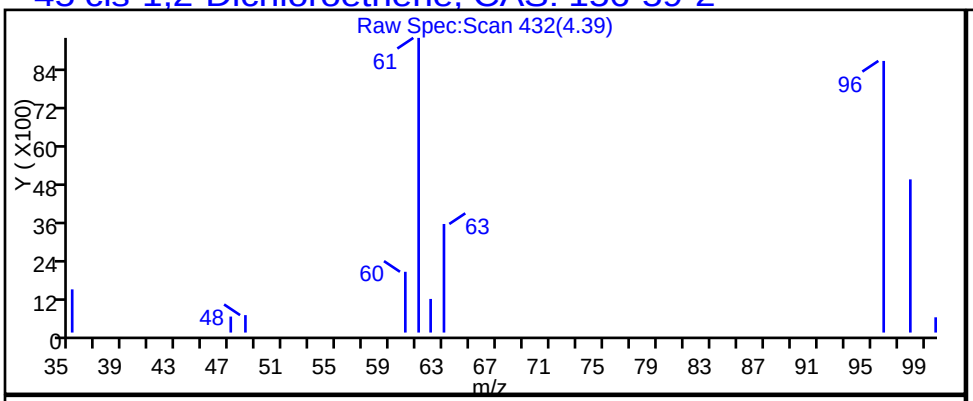
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.4	104.77
$ 5 Toluene-d8 (Surr)	50.0	48.9	97.88
$ 6 4-Bromofluorobenzene (Surr)	50.0	44.3	88.58

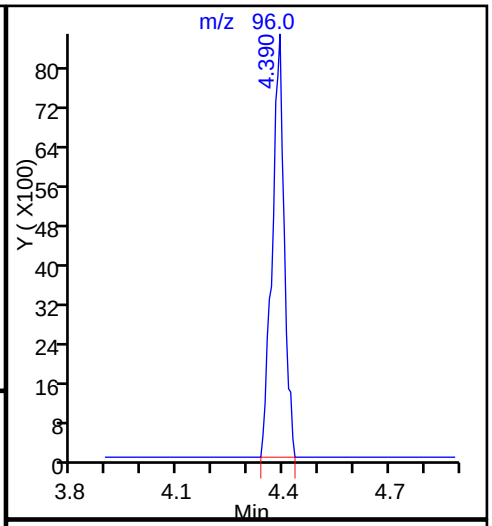
TestAmerica Buffalo

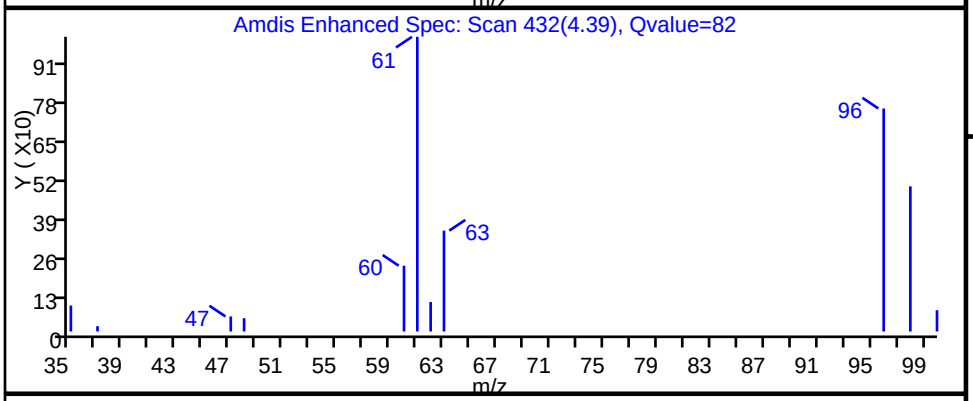
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7211.D

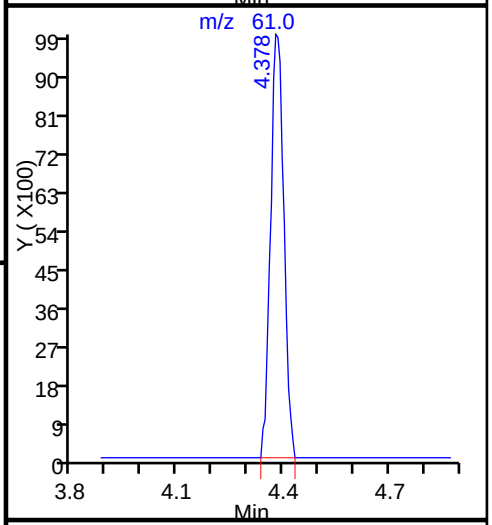
Injection Date:	14-Jun-2016 15:08:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-40-B	Lab Sample ID:	480-101258-40		
Client ID:	B110-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

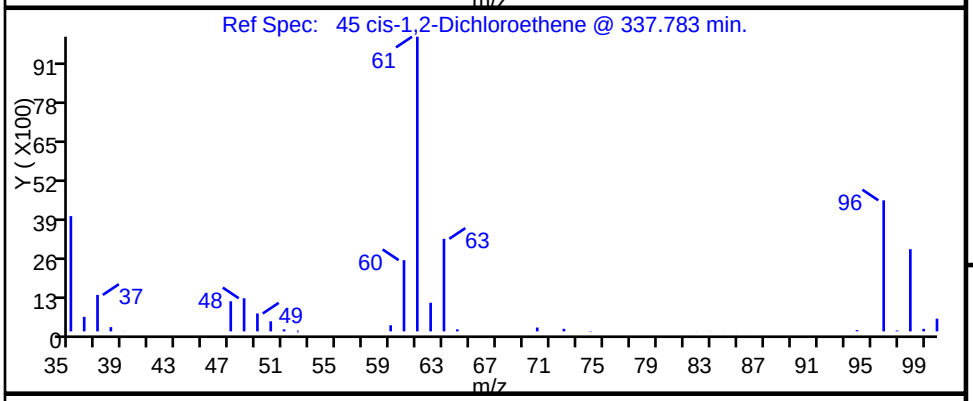
45 cis-1,2-Dichloroethene, CAS: 156-59-2

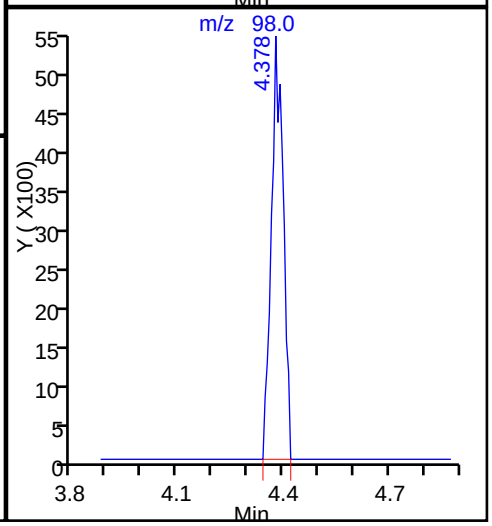


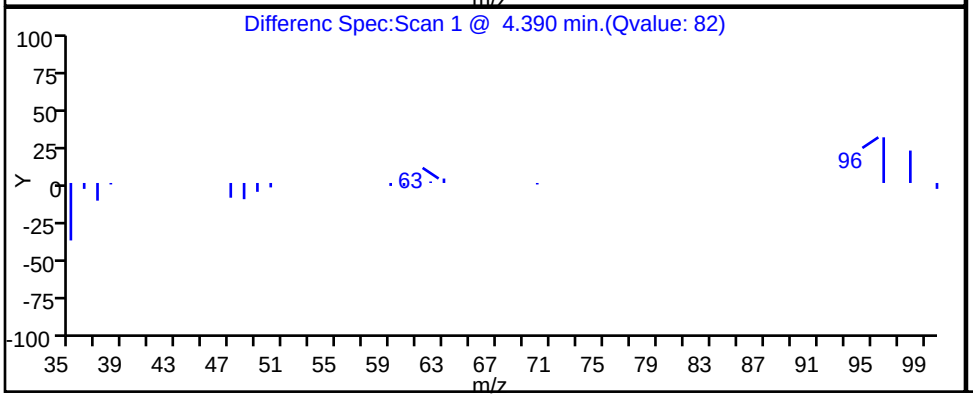












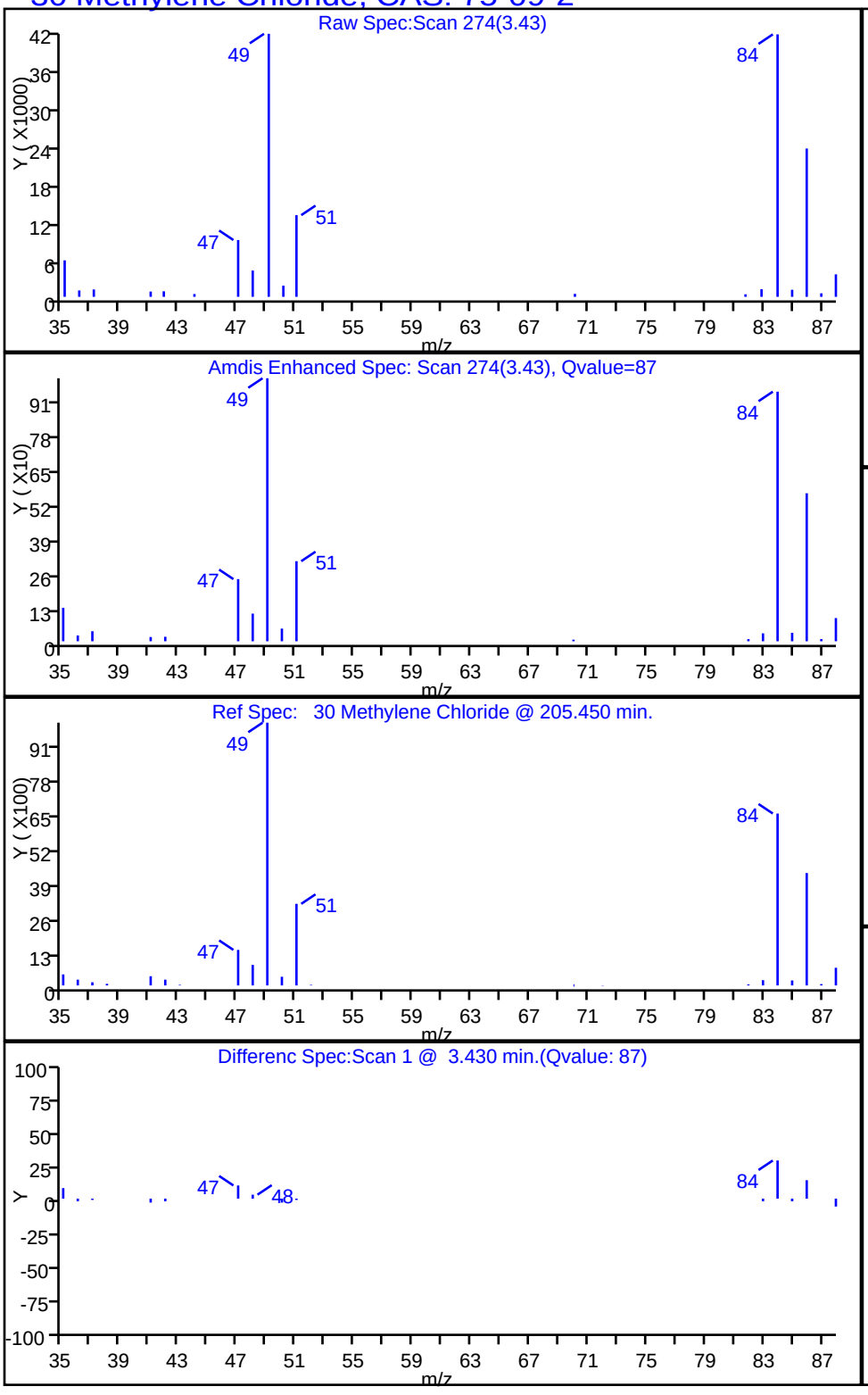
Report Date: 14-Jun-2016 19:38:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

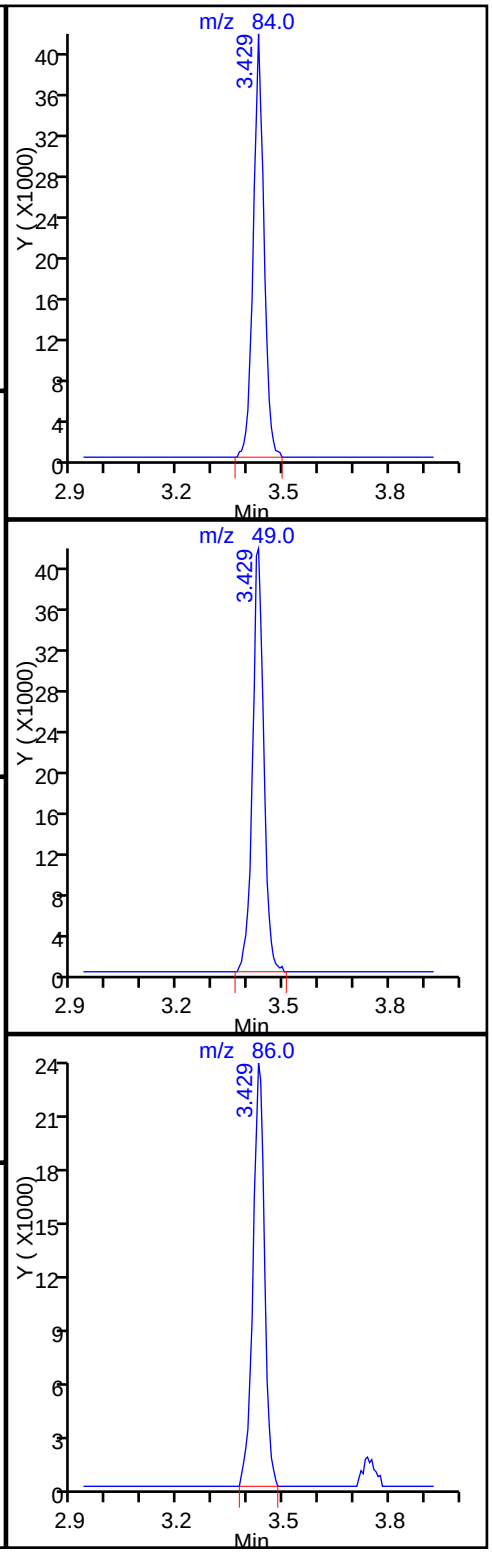
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7211.D

Injection Date:	14-Jun-2016 15:08:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-40-B	Lab Sample ID:	480-101258-40
Client ID:	B110-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	7 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

30 Methylene Chloride, CAS: 75-09-2

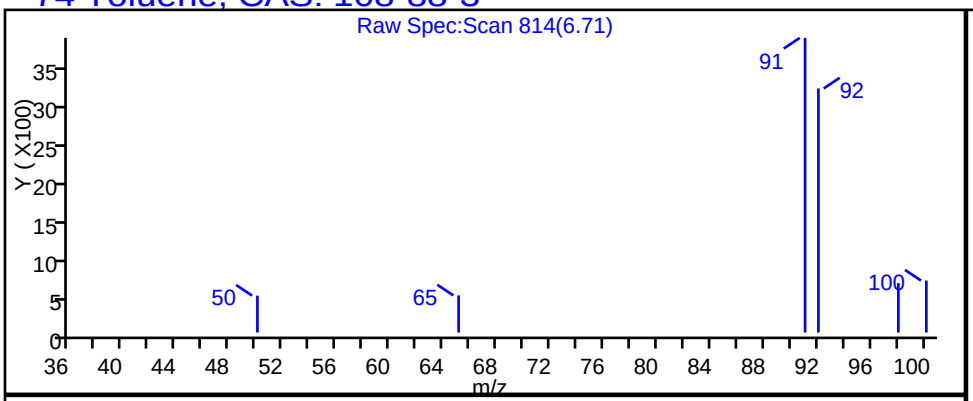


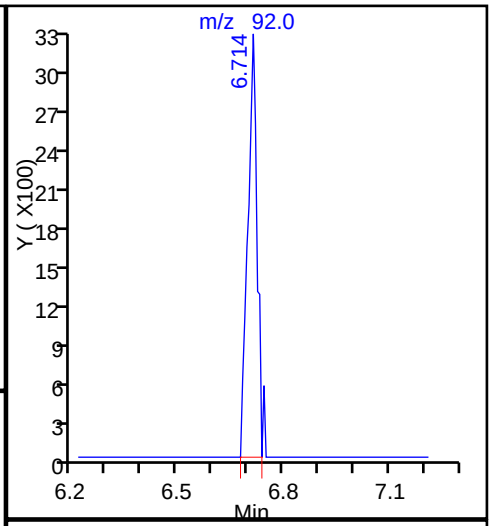


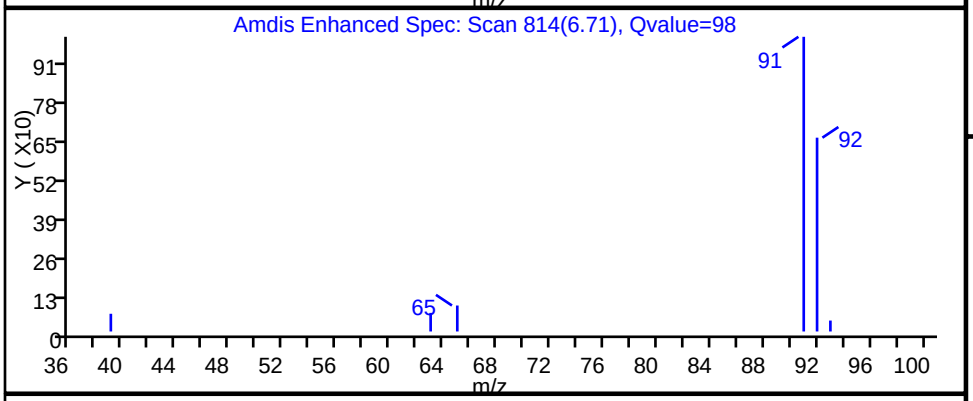
TestAmerica Buffalo

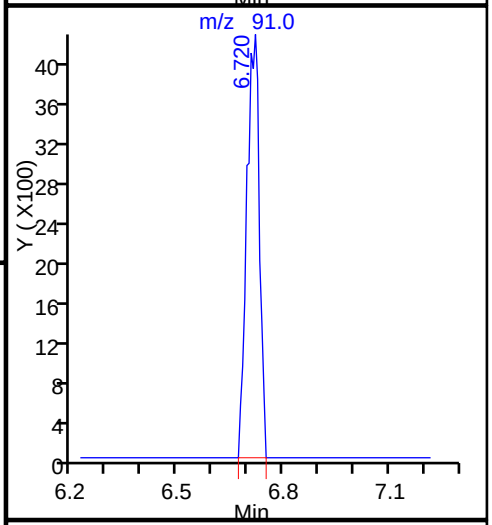
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7211.D				
Injection Date:	14-Jun-2016 15:08:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-40-B	Lab Sample ID:	480-101258-40		
Client ID:	B110-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

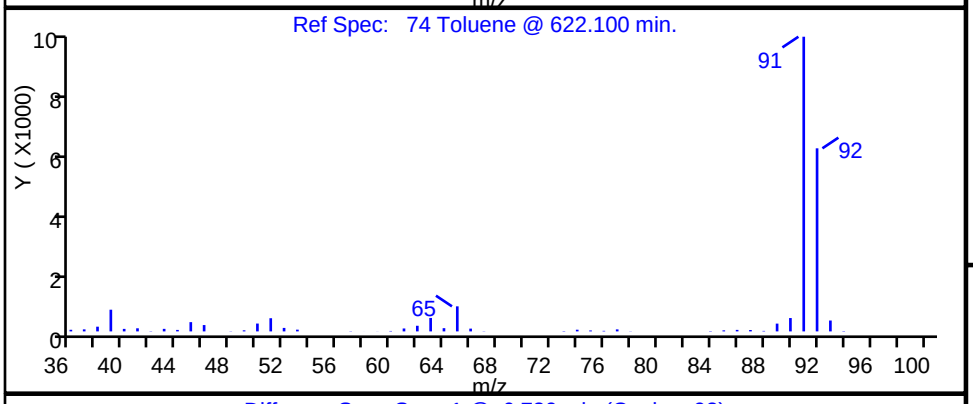
74 Toluene, CAS: 108-88-3

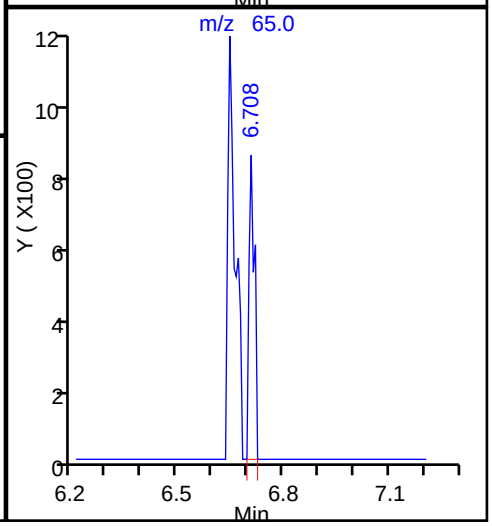


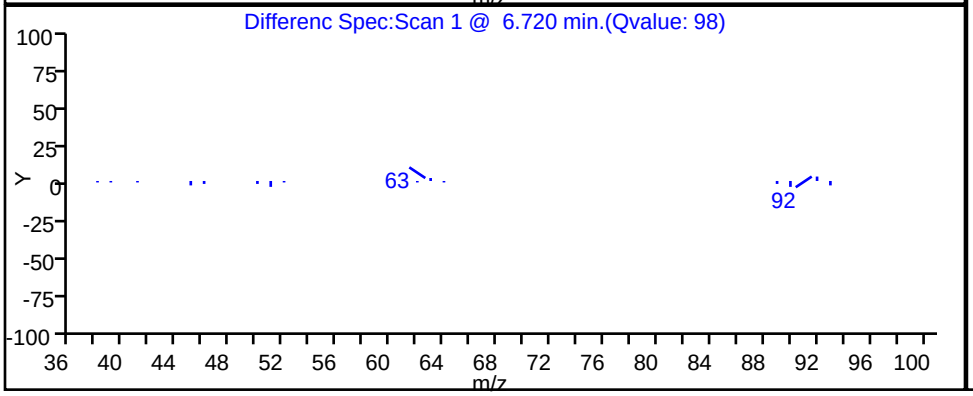












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B115-AREA2-S1 | Lab Sample ID: 480-101258-41

Matrix: Solid | Lab File ID: F7212.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:50

Sample wt/vol: 5(g) | Date Analyzed: 06/14/2016 15:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.0 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
75-34-3	1,1-Dichloroethane	200		5.5	0.67
75-35-4	1,1-Dichloroethene	31		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	1.1	J	5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	19	J	27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	510	E	5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B115-AREA2-S1 | Lab Sample ID: 480-101258-41

Matrix: Solid | Lab File ID: F7212.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:50

Sample wt/vol: 5(g) | Date Analyzed: 06/14/2016 15:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.0 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	19		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	0.82	J	5.5	0.74
108-88-3	Toluene	0.72	J	5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	4.3	J	5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	2.0	J	5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	92		72-126
2037-26-5	Toluene-d8 (Surr)	98		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D
Lims ID: 480-101258-A-41-B
Client ID: B115-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 15:34:30 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-41-B
Misc. Info.: 480-0054020-014
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:39:35 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:39:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	166464	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	326778	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	97	232947	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	123335	51.3	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	689765	48.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	85	209377	46.0	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62	2.103	2.115	-0.012	94	6623	1.86	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96	3.052	3.046	0.006	98	114207	27.8	
23 Acetone	43	3.113	3.101	0.012	98	29447	17.6	
26 Carbon disulfide	76	3.259	3.253	0.006	99	25364	1.69	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	87	97847	17.3	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	38	1014	0.2140	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	97	1485843	184.6	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	81	2394592	463.4	E
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	91	6661	0.9845	
62 Trichloroethene	95	5.589	5.583	0.006	94	19168	3.87	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.708	6.714	-0.006	96	7377	0.6512	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.231	7.231	0.000	80	3647	0.7433	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91		8.180				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

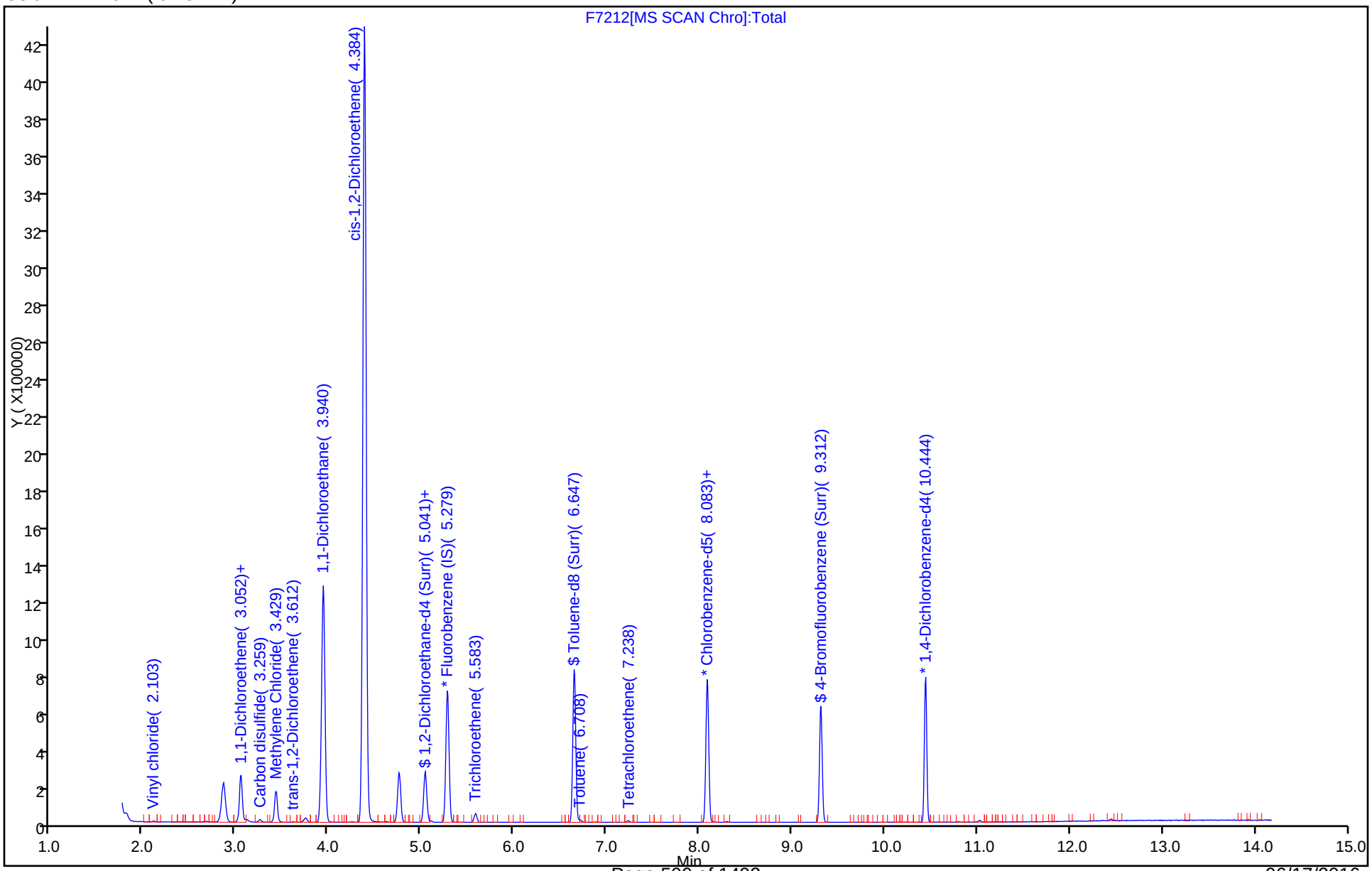
Report Date: 14-Jun-2016 19:39:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D

Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41	Worklist Smp#:	14
Client ID:	B115-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D
Lims ID: 480-101258-A-41-B
Client ID: B115-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 15:34:30 ALS Bottle#: 8 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-41-B
Misc. Info.: 480-0054020-014
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:39:35 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

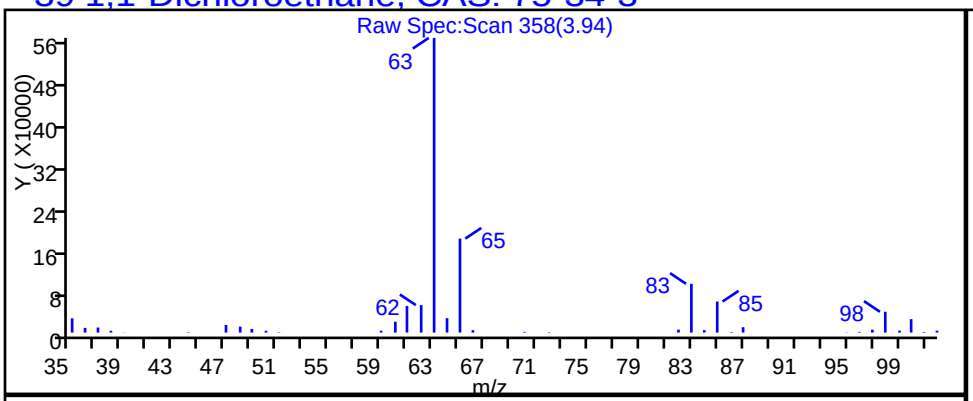
First Level Reviewer: diasn Date: 14-Jun-2016 19:39:34

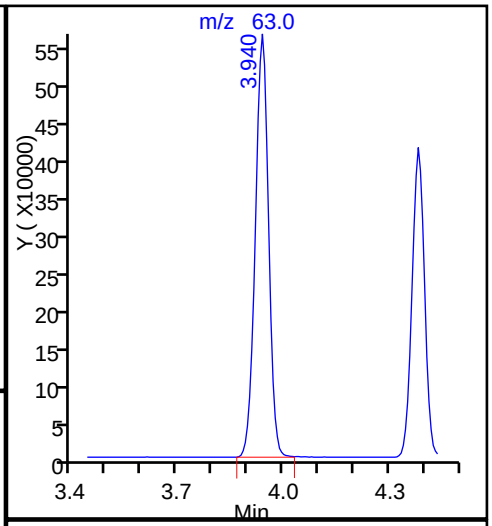
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	51.3	102.59
$ 5 Toluene-d8 (Surr)	50.0	48.8	97.65
$ 6 4-Bromofluorobenzene (Surr)	50.0	46.0	92.10

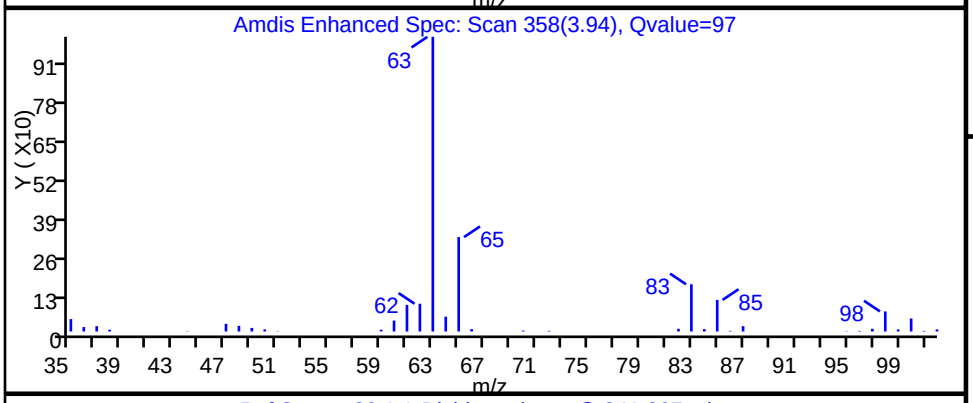
TestAmerica Buffalo

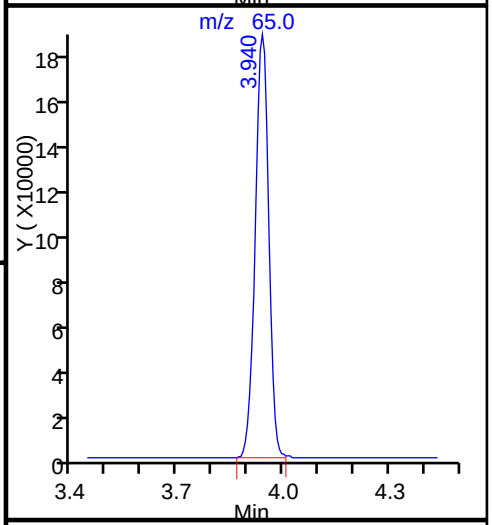
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D				
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

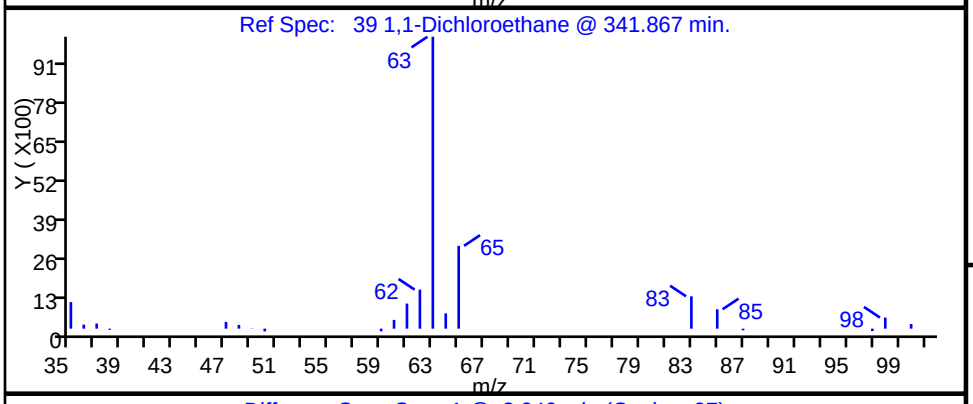
39 1,1-Dichloroethane, CAS: 75-34-3

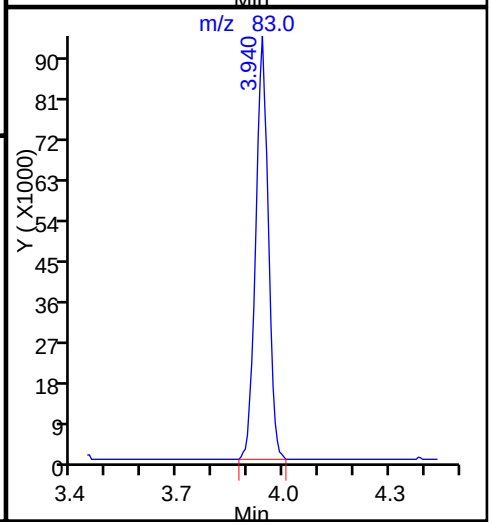


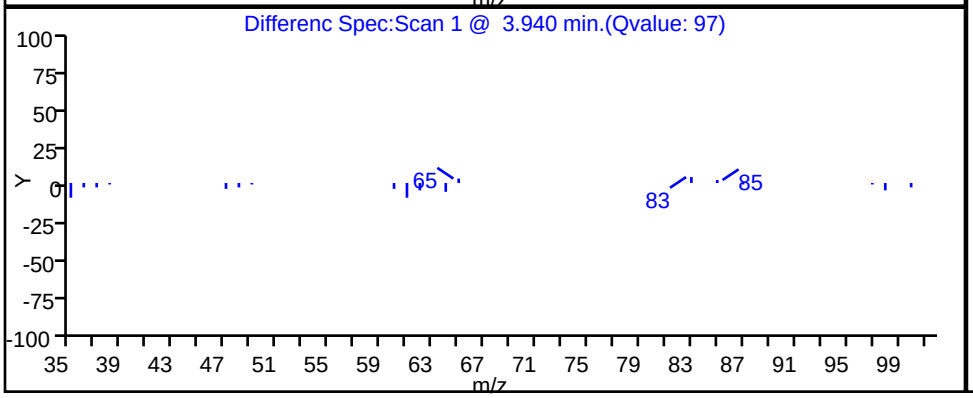












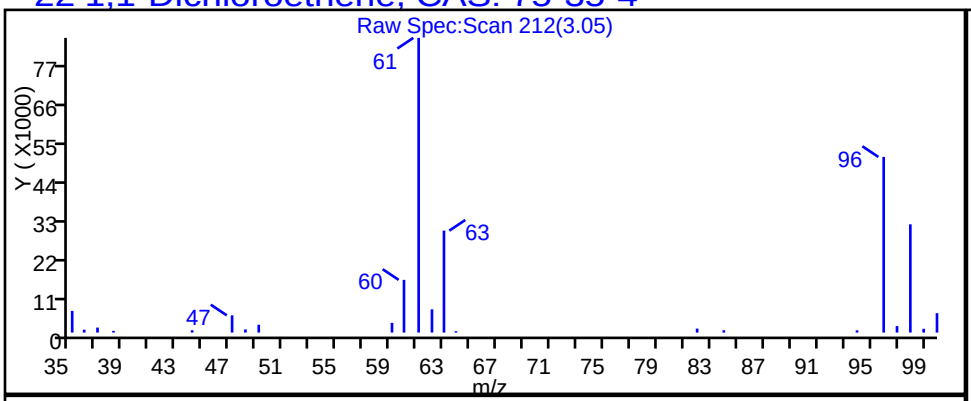
Report Date: 14-Jun-2016 19:39:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

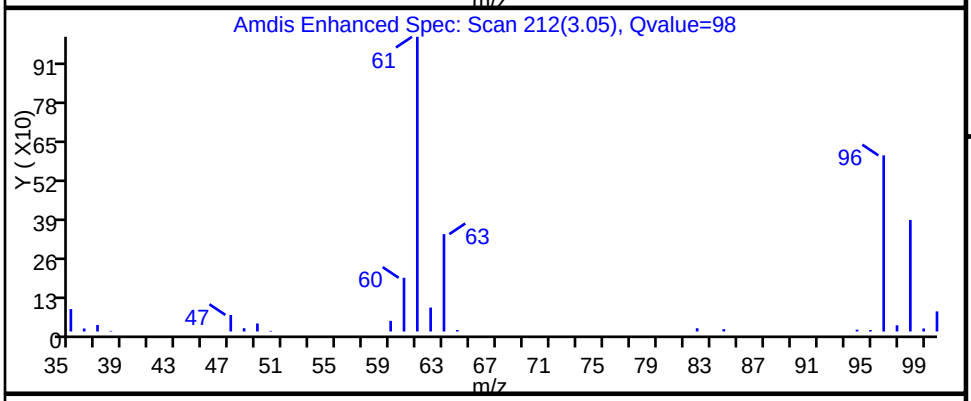
TestAmerica Buffalo

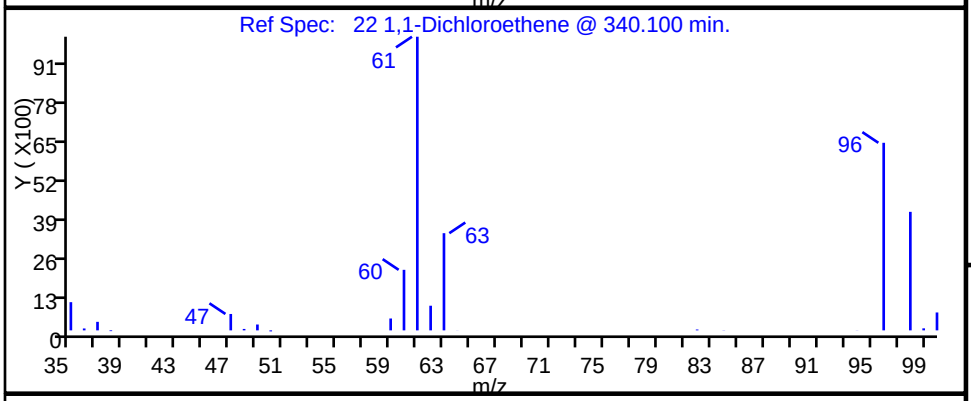
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D

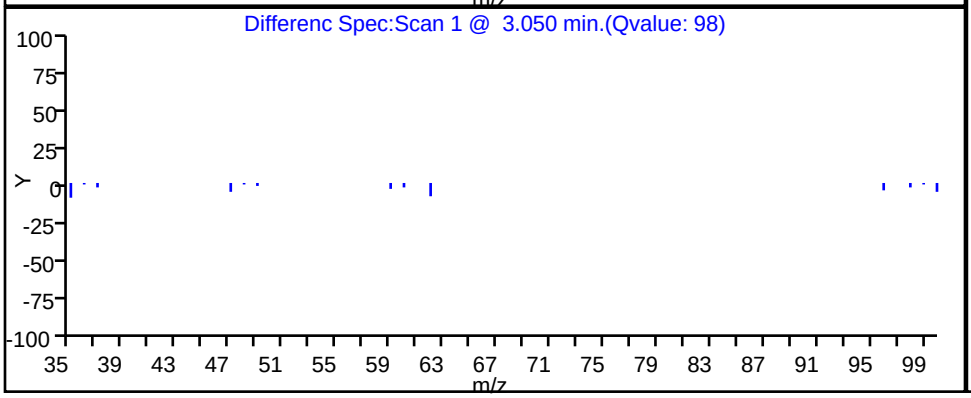
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

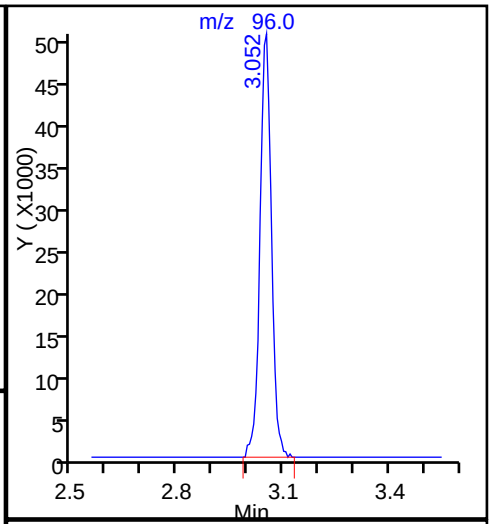
22 1,1-Dichloroethene, CAS: 75-35-4

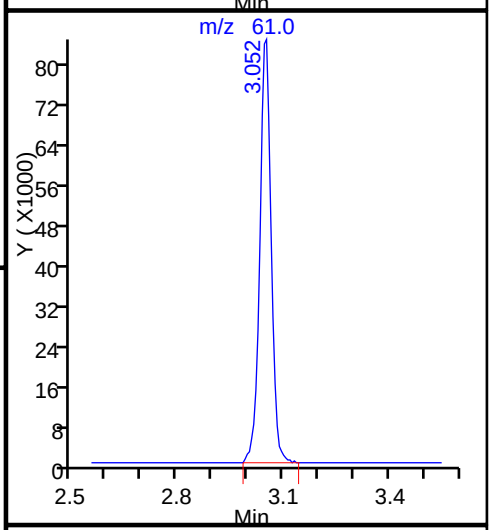


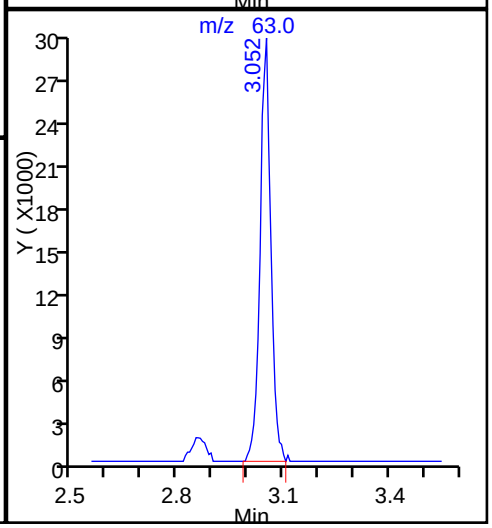










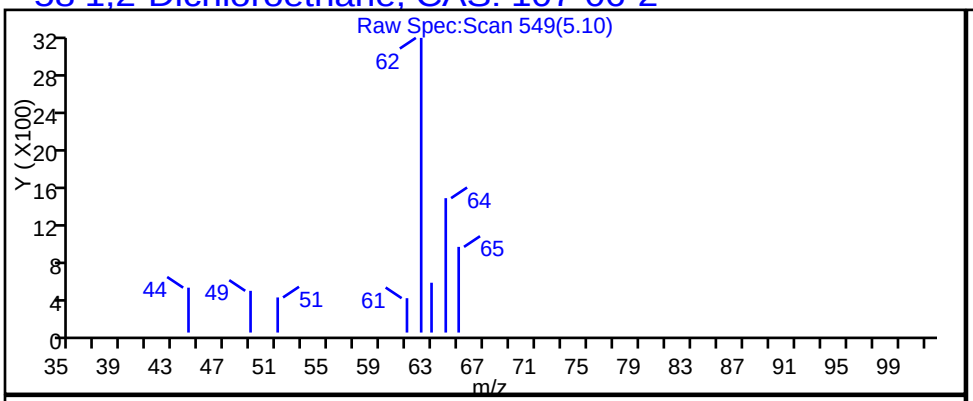


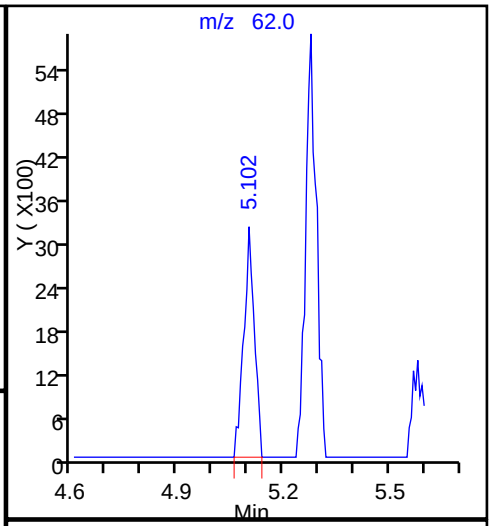
TestAmerica Buffalo

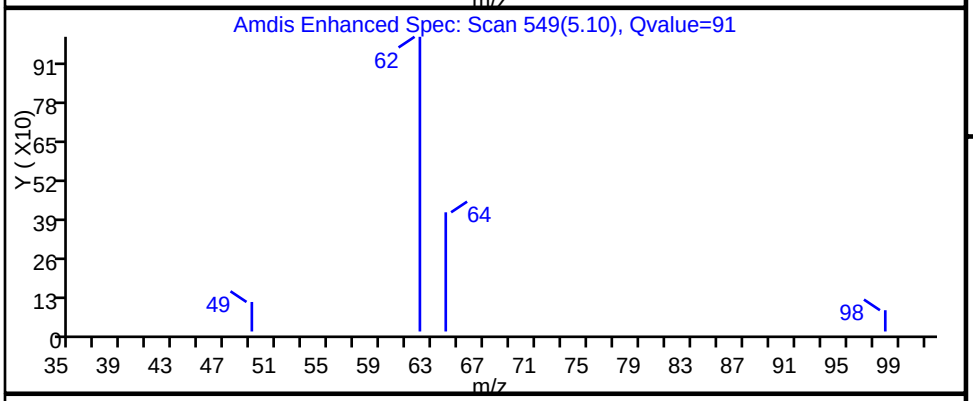
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D

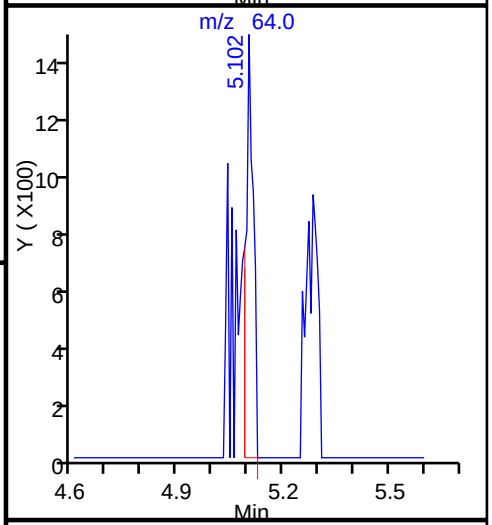
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41
Client ID:	B115-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	8 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

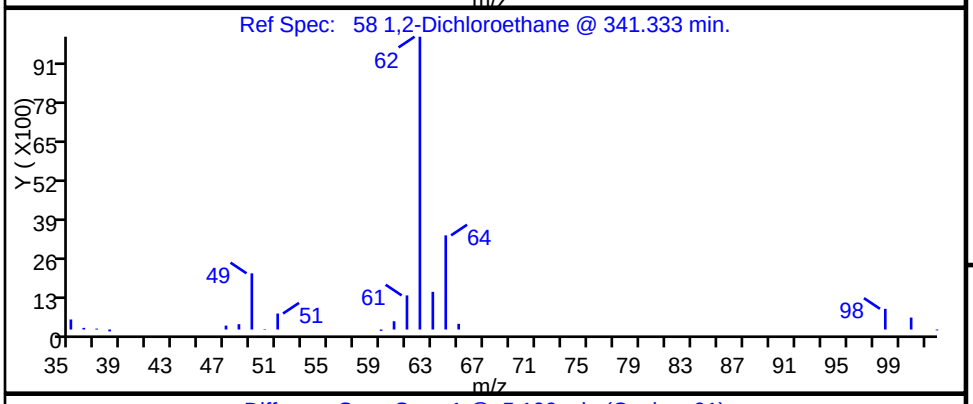
58 1,2-Dichloroethane, CAS: 107-06-2

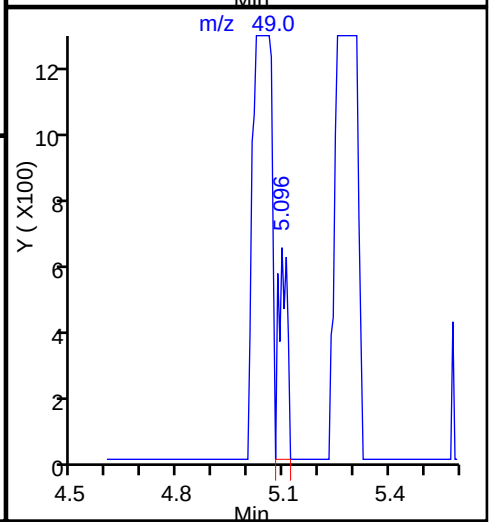


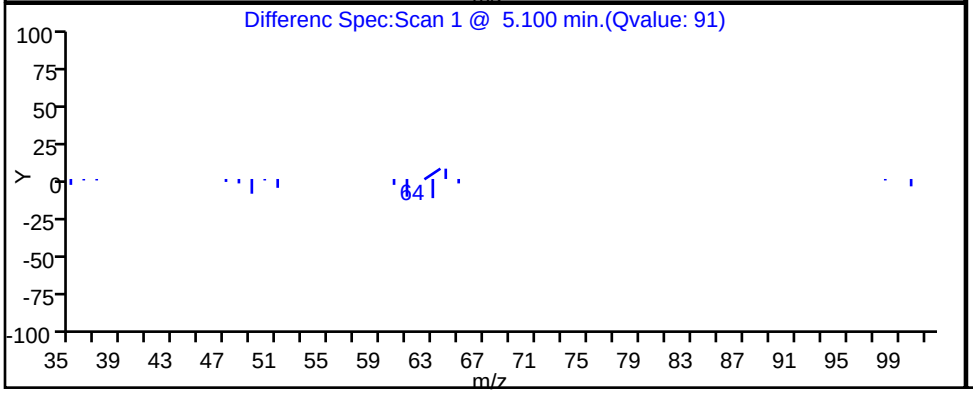












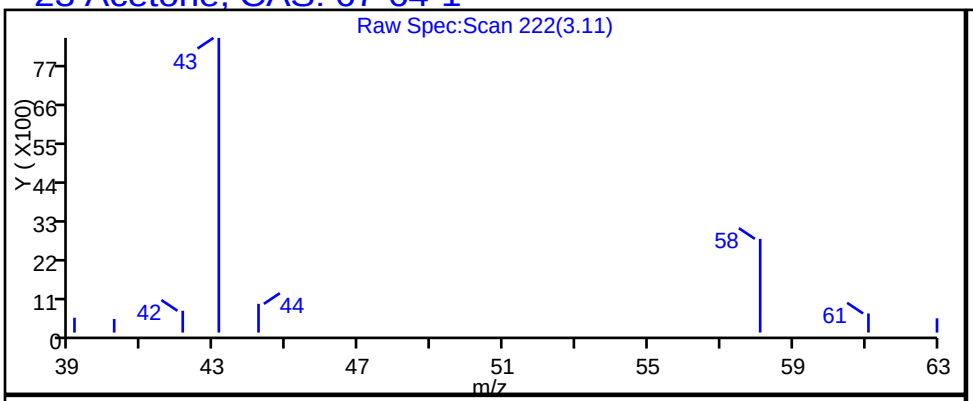
Report Date: 14-Jun-2016 19:39:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

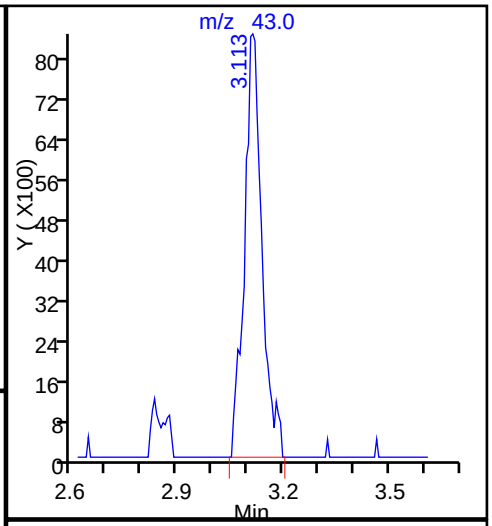
TestAmerica Buffalo

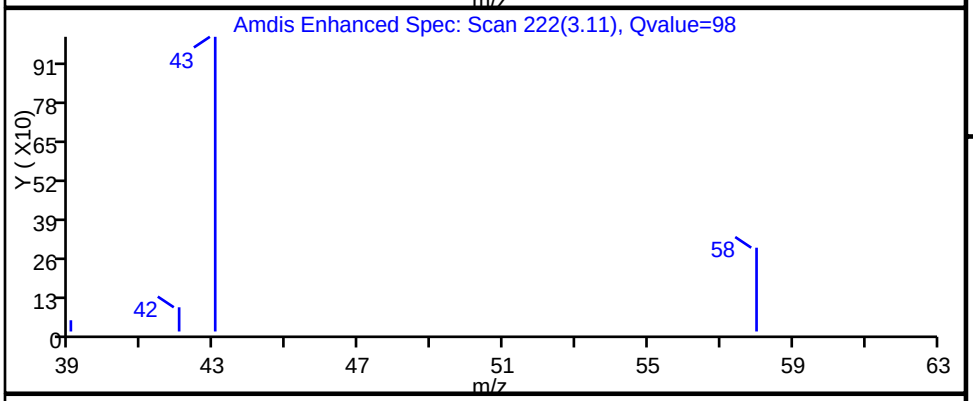
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D

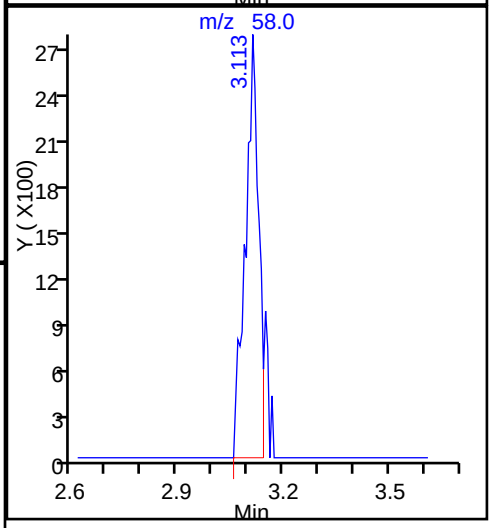
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41
Client ID:	B115-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	8 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

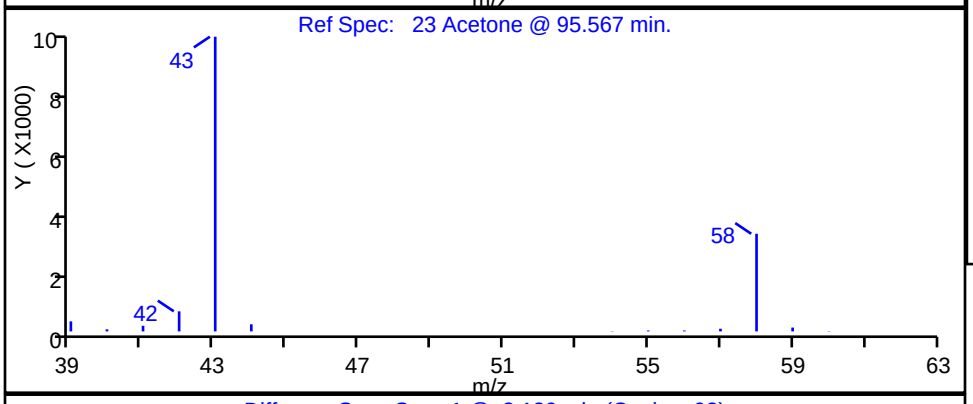
23 Acetone, CAS: 67-64-1

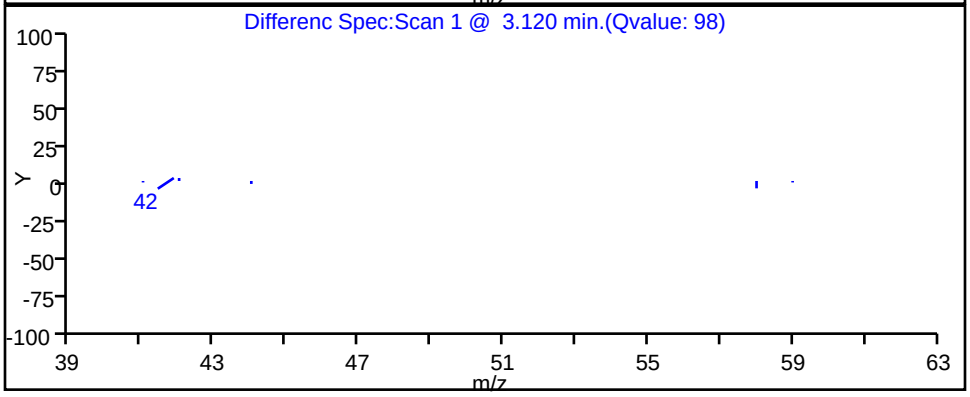








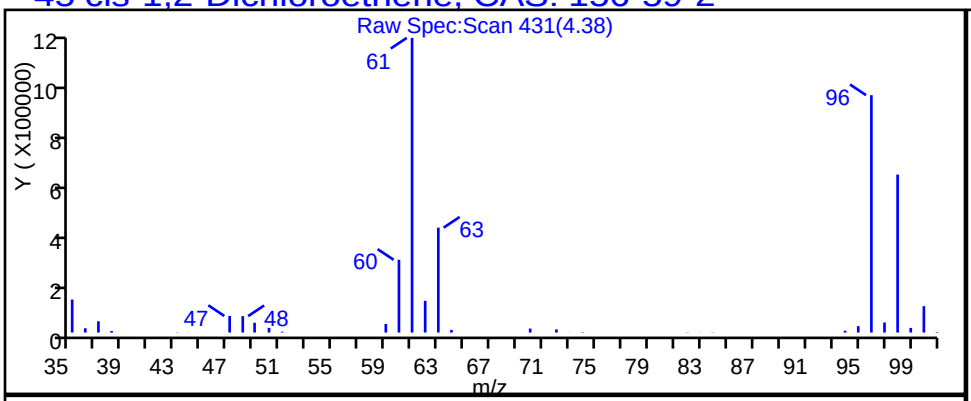


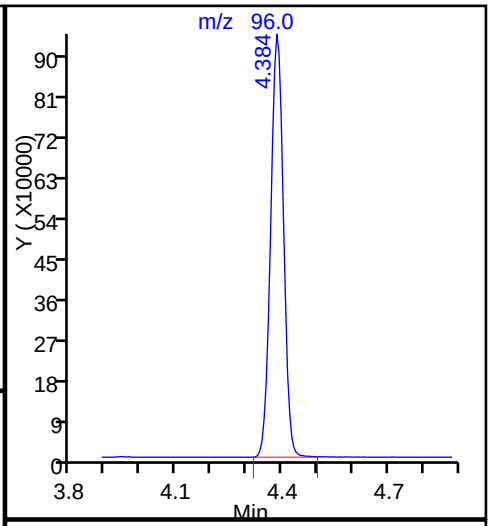


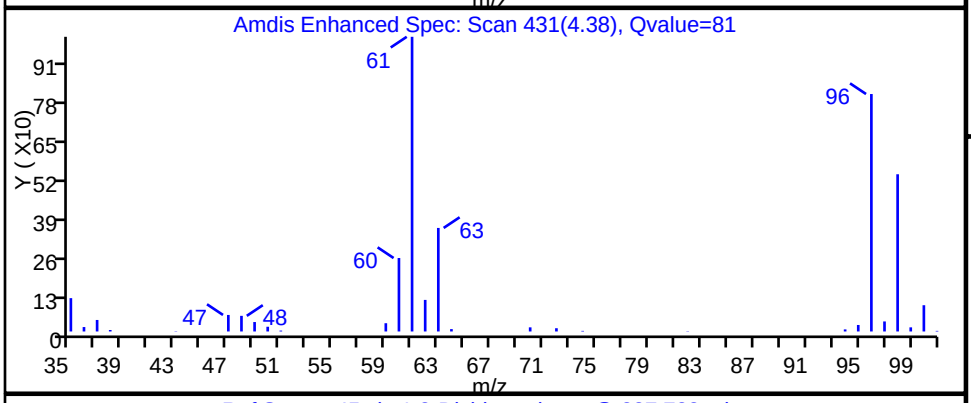
TestAmerica Buffalo

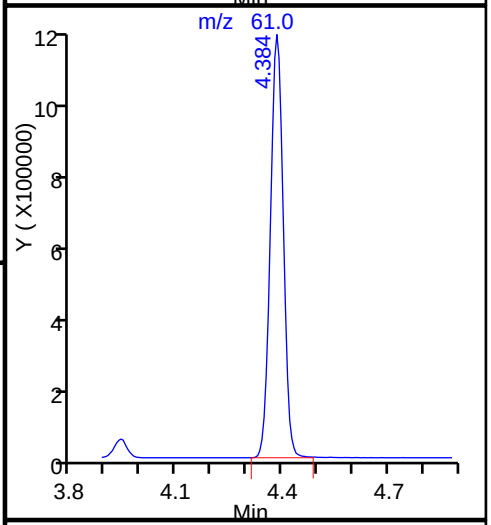
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D				
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

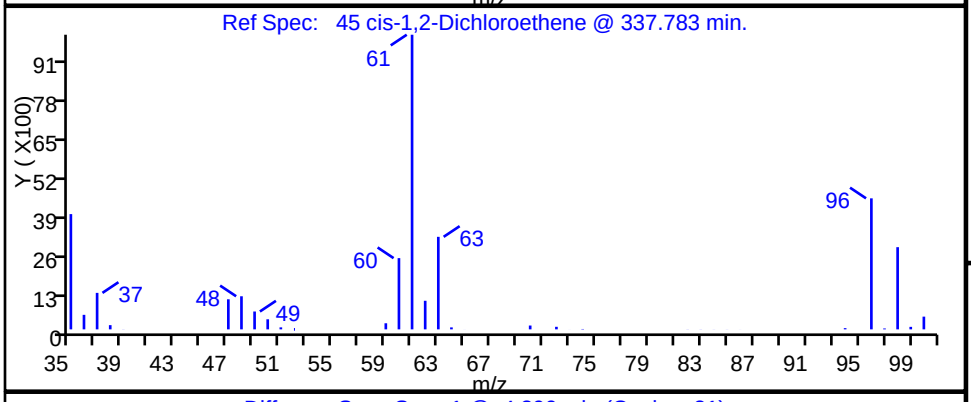
45 cis-1,2-Dichloroethene, CAS: 156-59-2

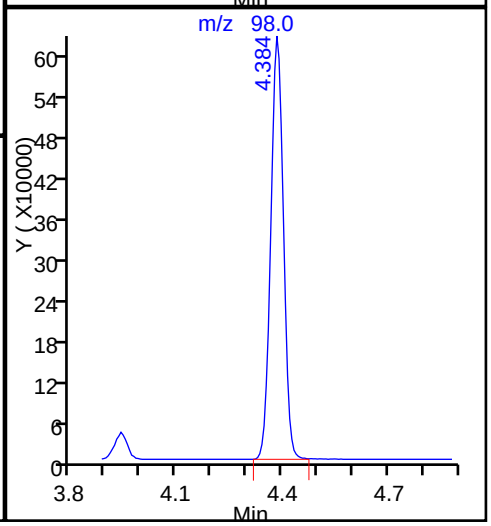


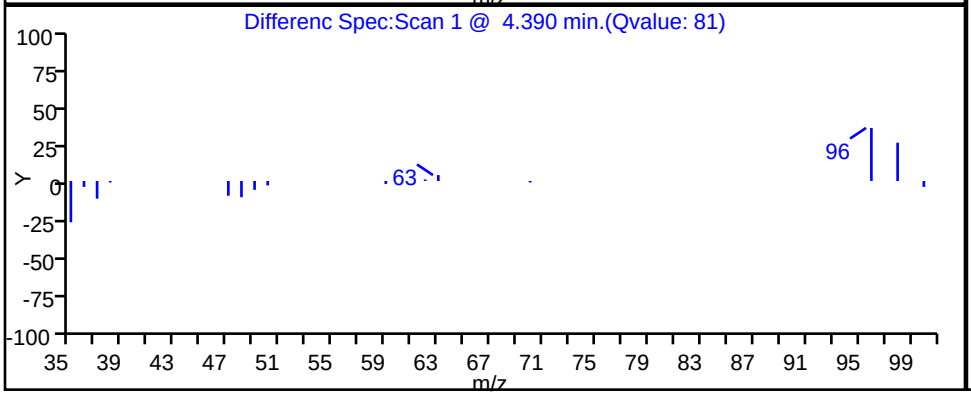








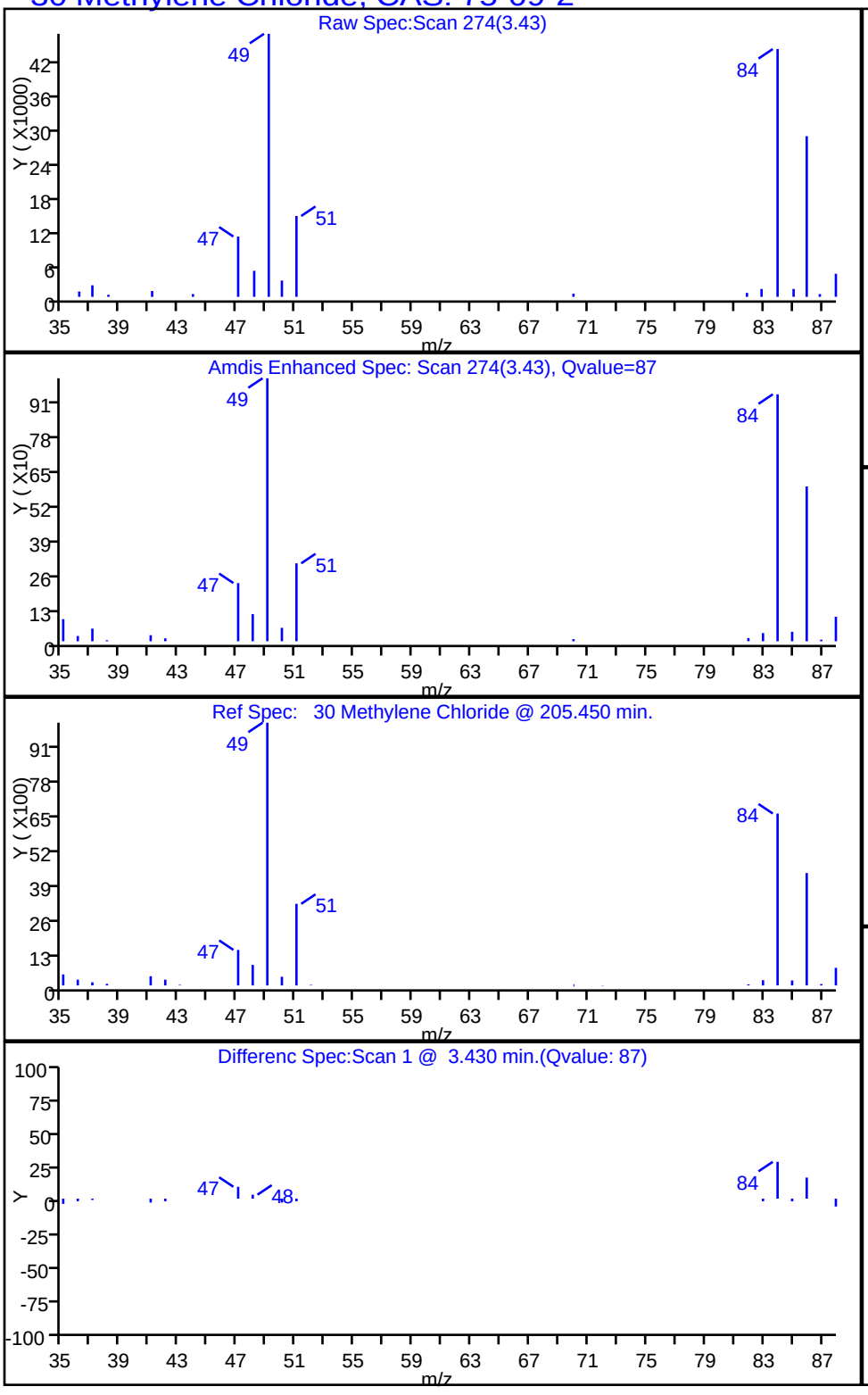


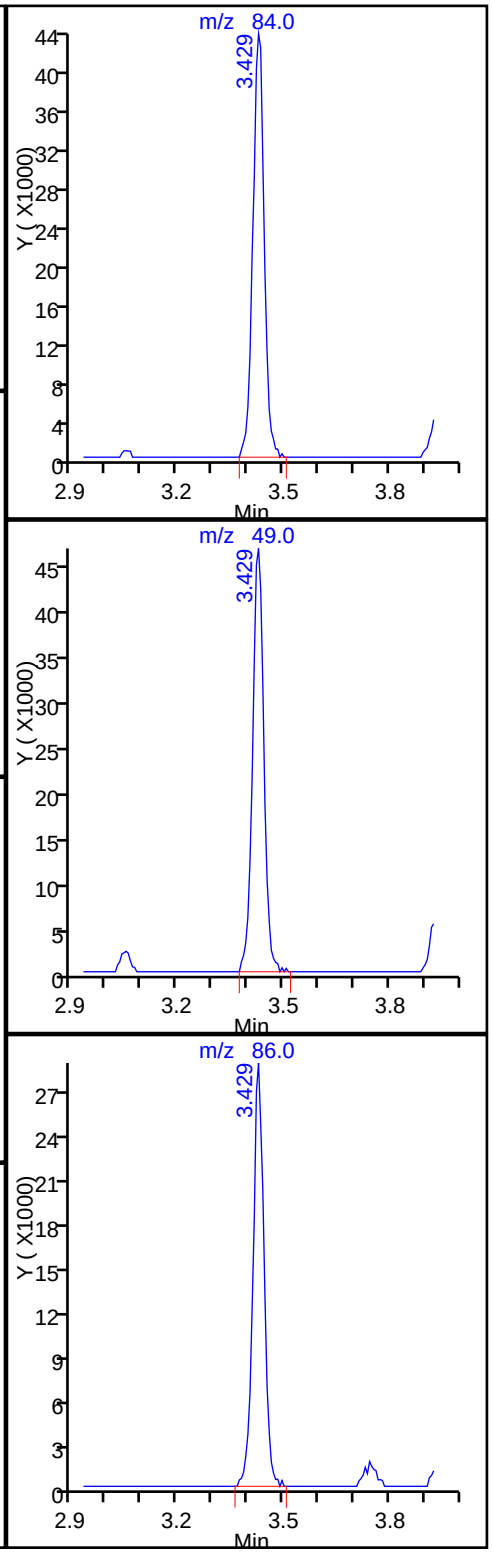


TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D				
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





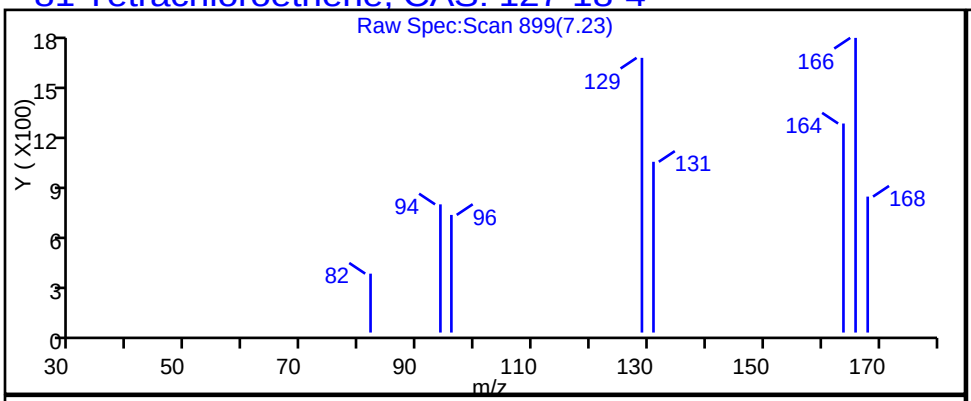
Report Date: 14-Jun-2016 19:39:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

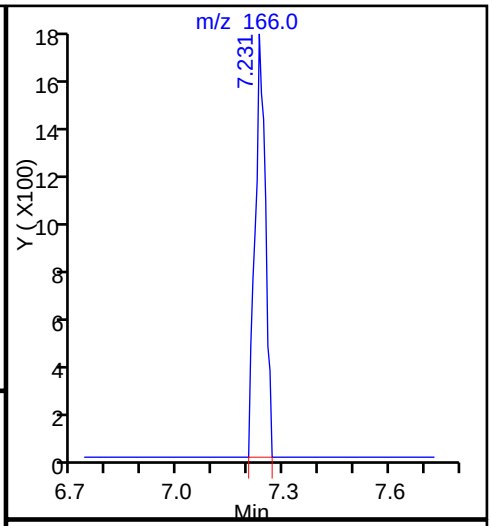
TestAmerica Buffalo

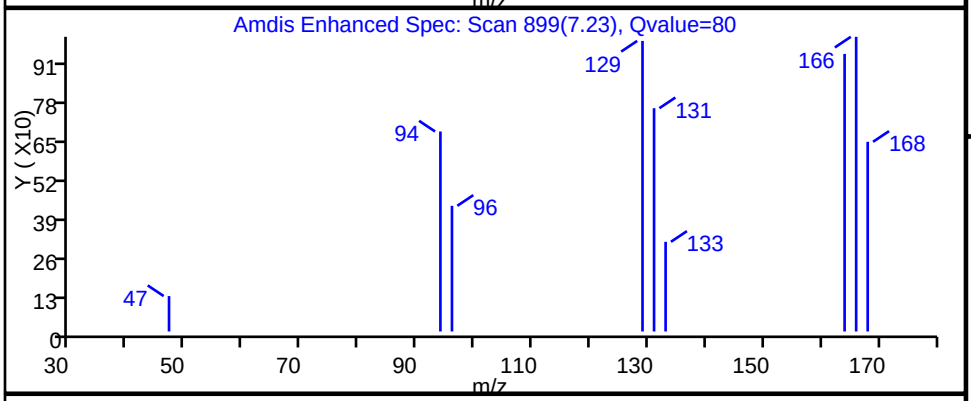
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D

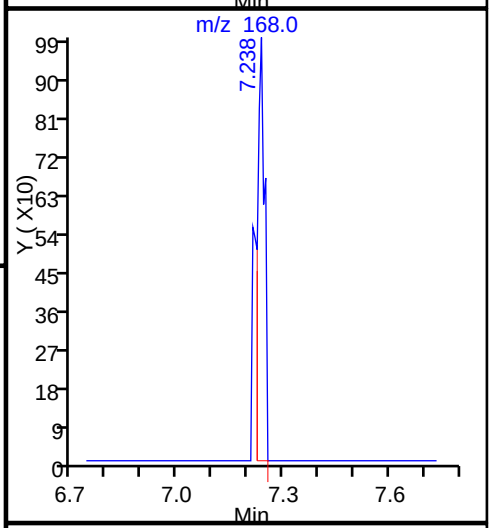
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

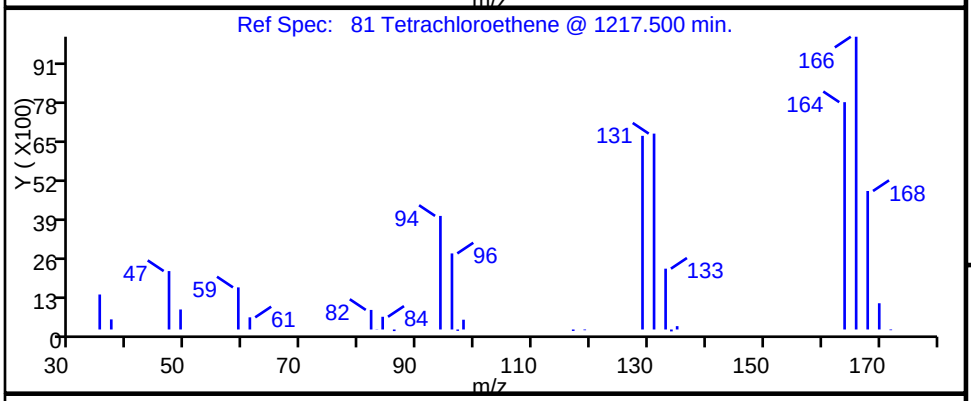
81 Tetrachloroethene, CAS: 127-18-4

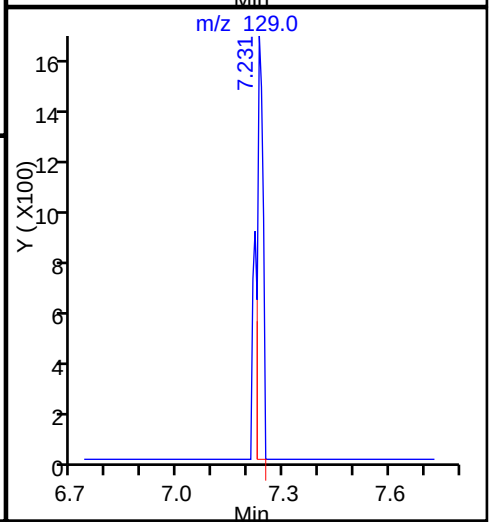


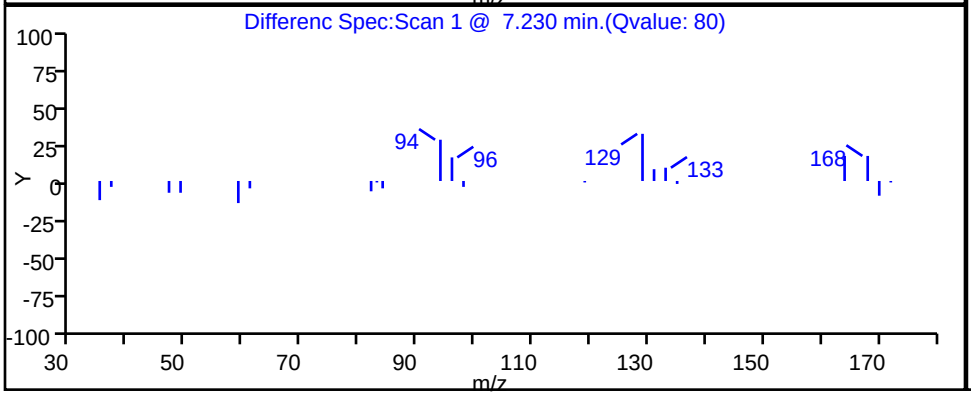








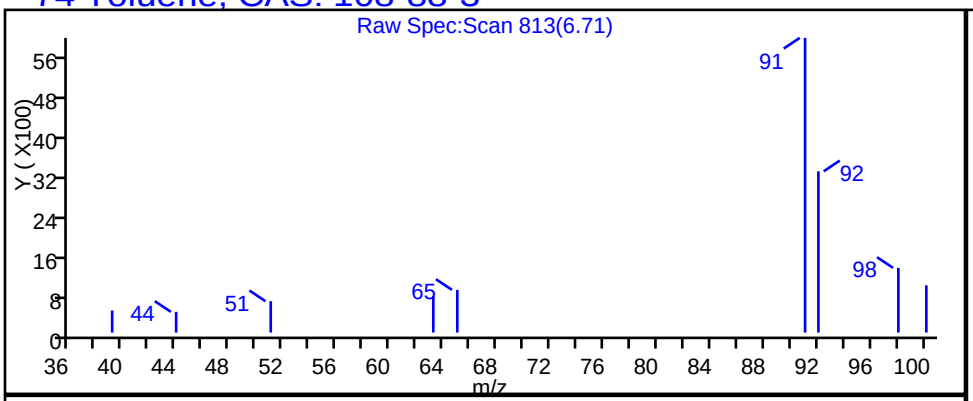


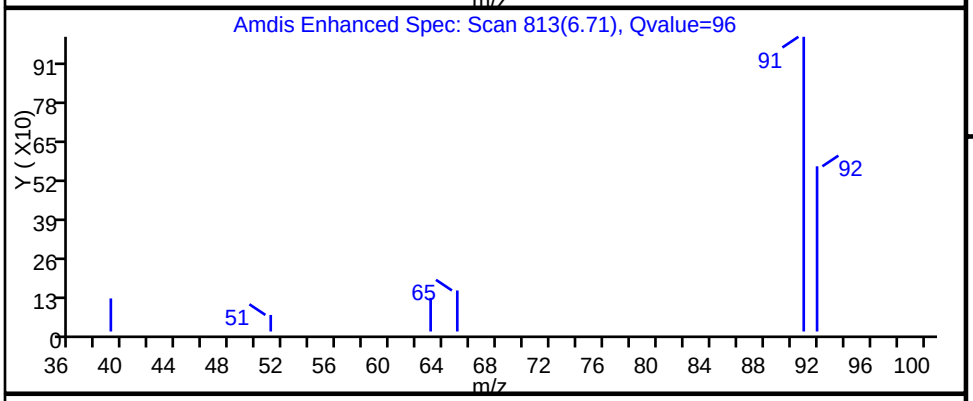


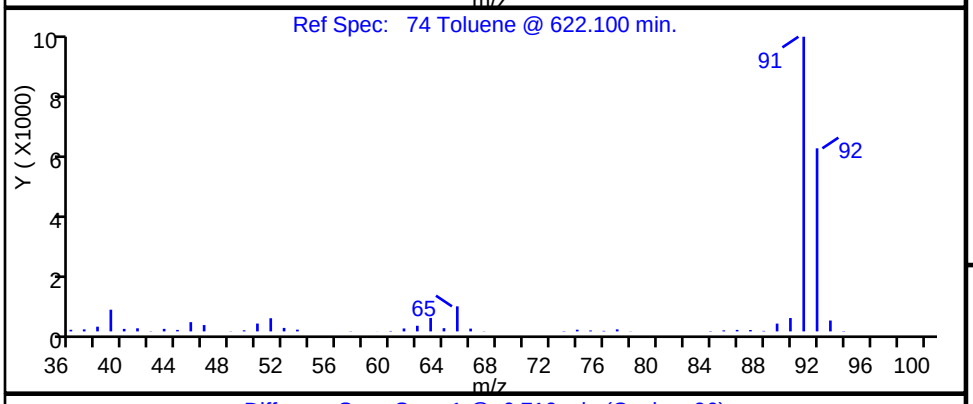
TestAmerica Buffalo

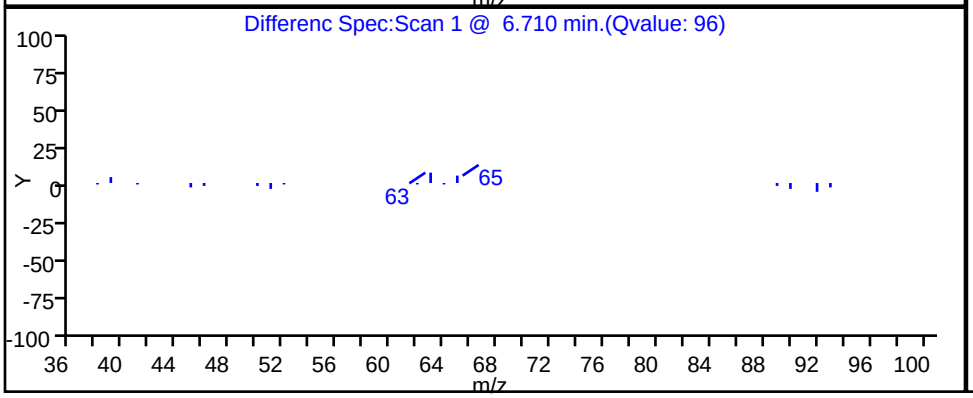
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D				
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

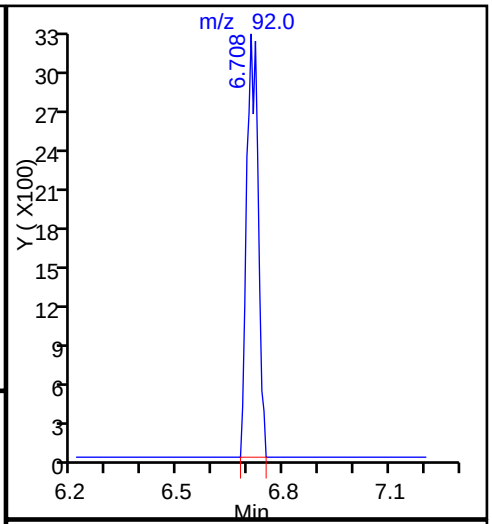
74 Toluene, CAS: 108-88-3

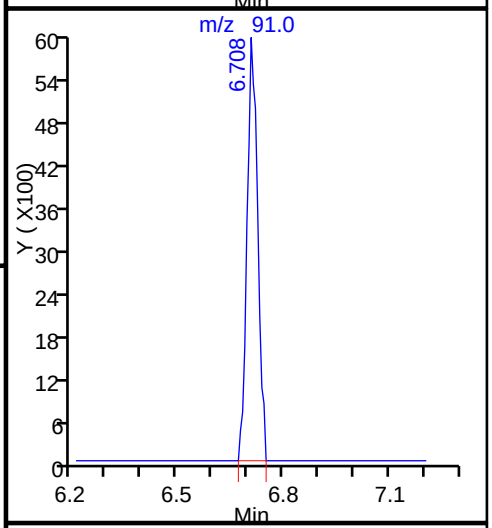


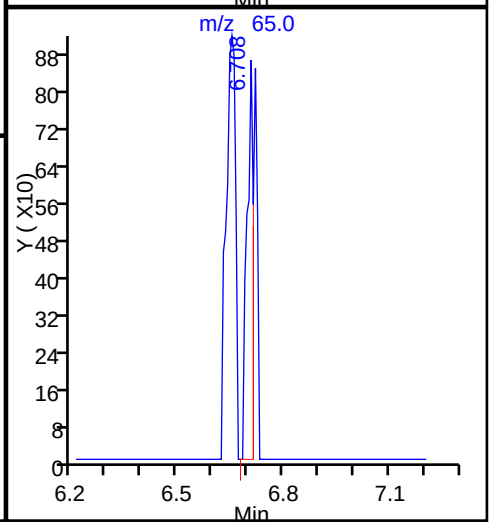












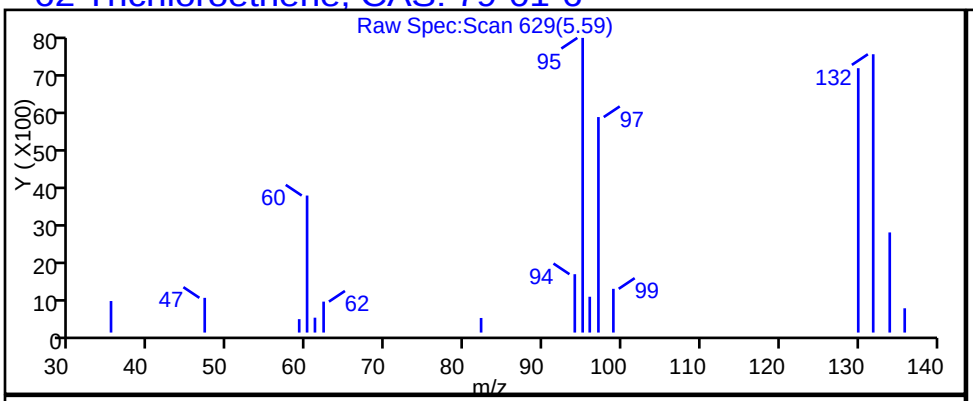
Report Date: 14-Jun-2016 19:39:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

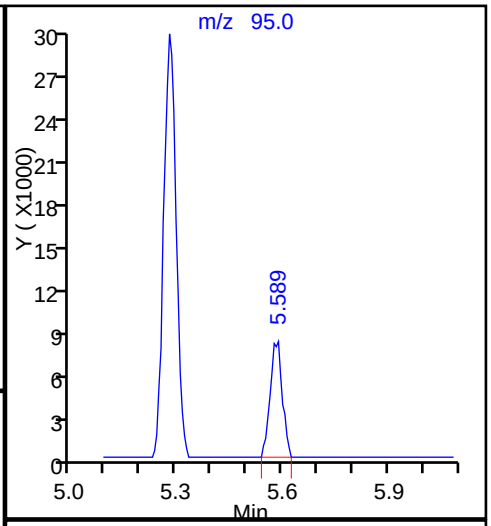
TestAmerica Buffalo

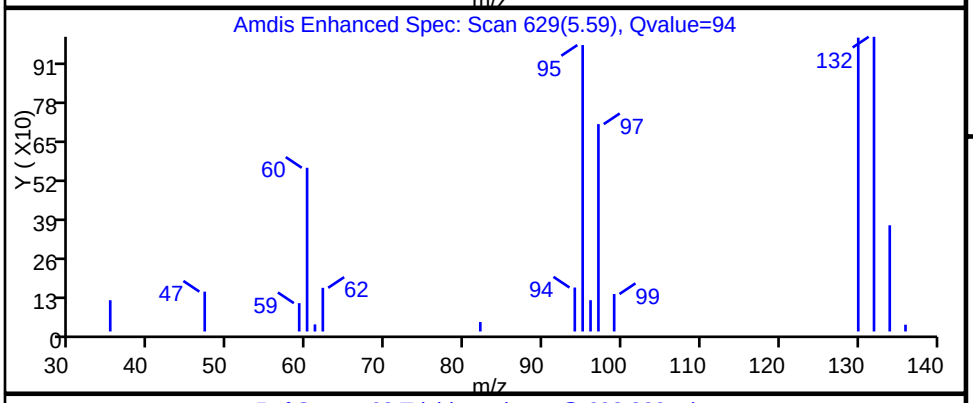
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D

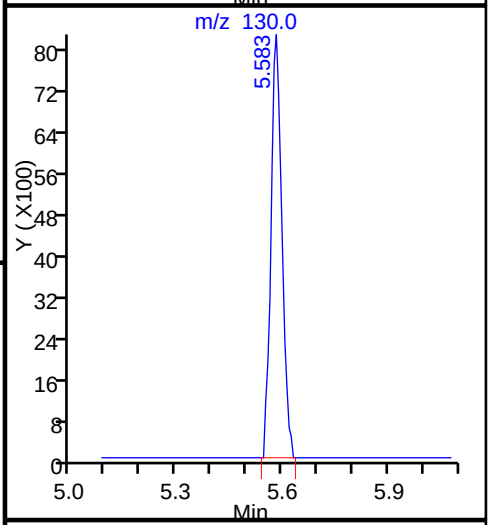
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41
Client ID:	B115-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	8 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

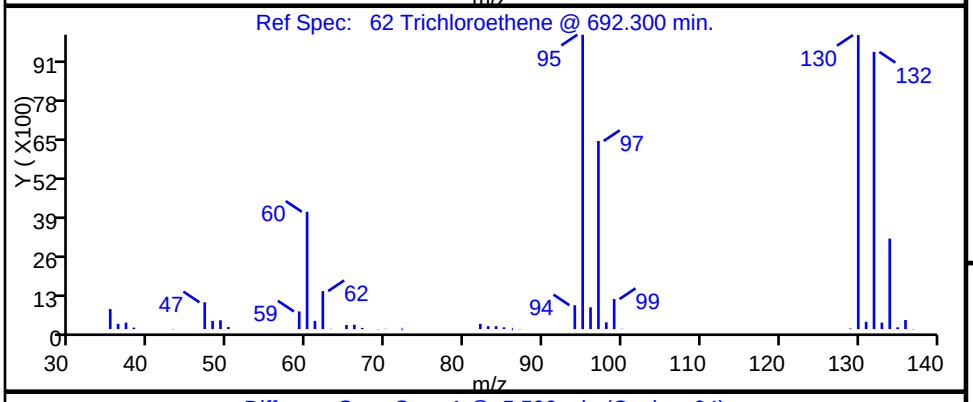
62 Trichloroethene, CAS: 79-01-6

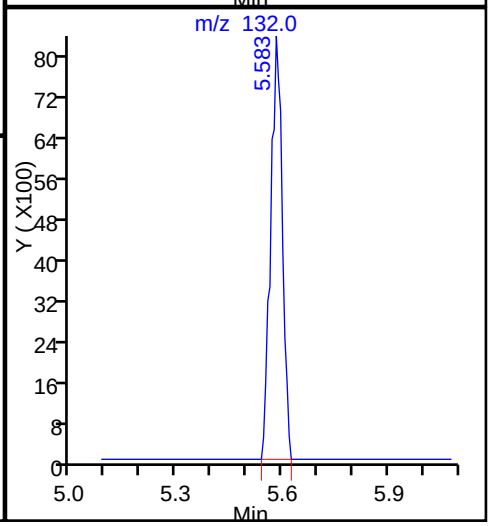


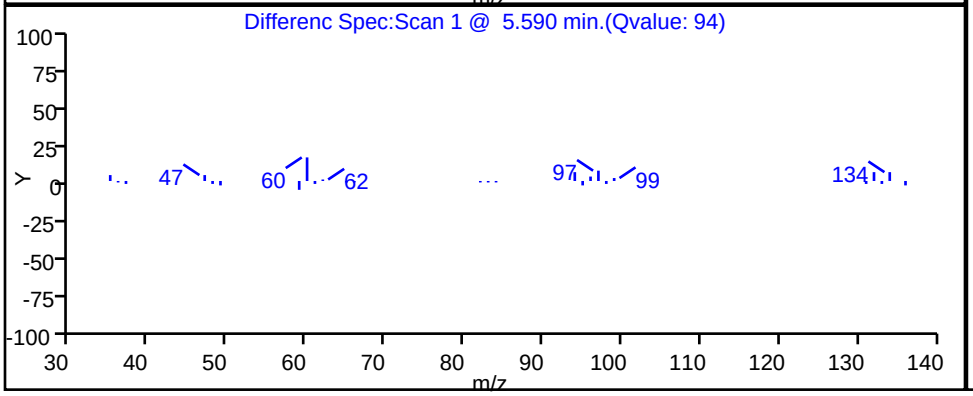










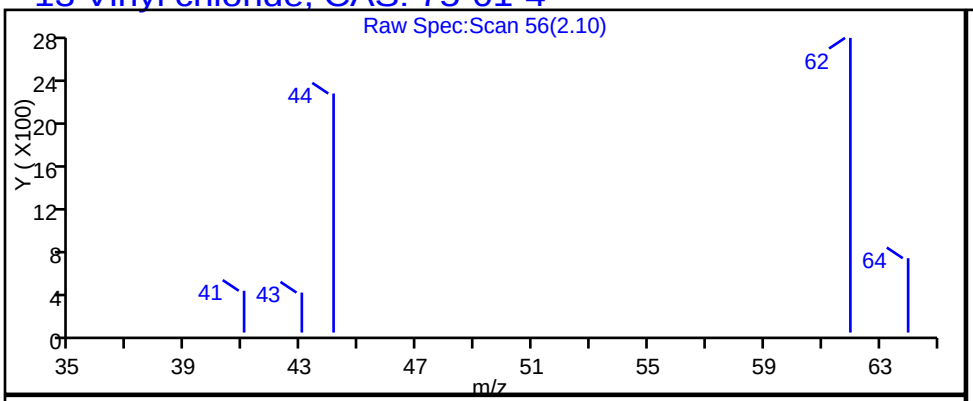


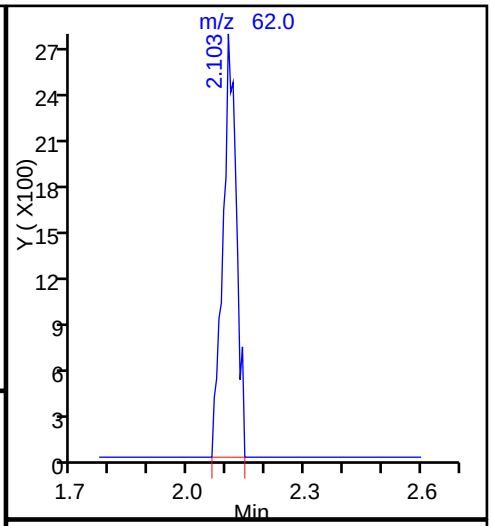
TestAmerica Buffalo

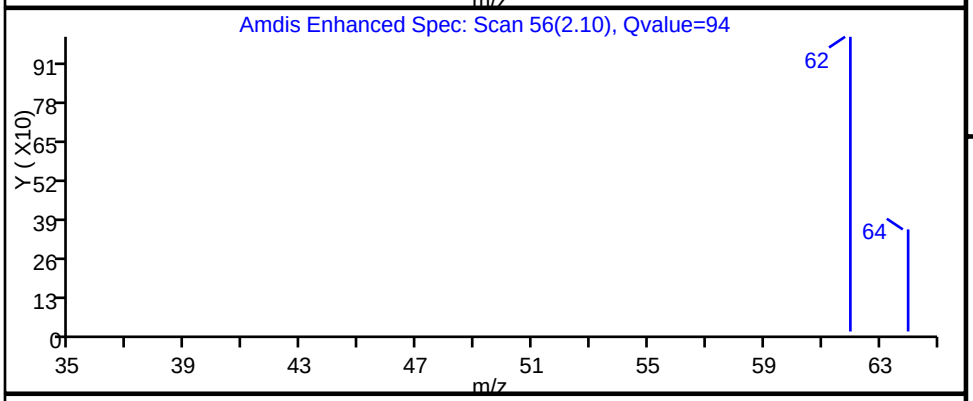
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7212.D

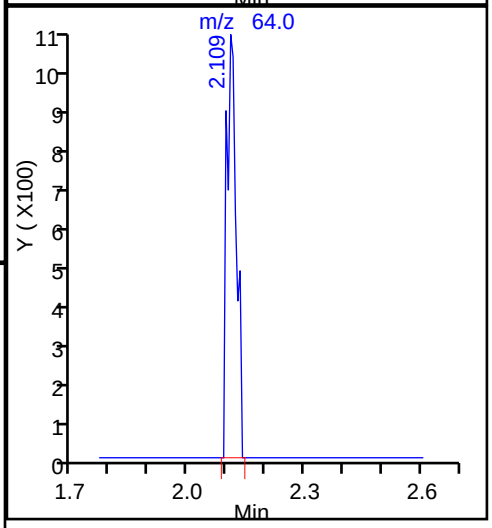
Injection Date:	14-Jun-2016 15:34:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-41-B	Lab Sample ID:	480-101258-41
Client ID:	B115-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	8 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

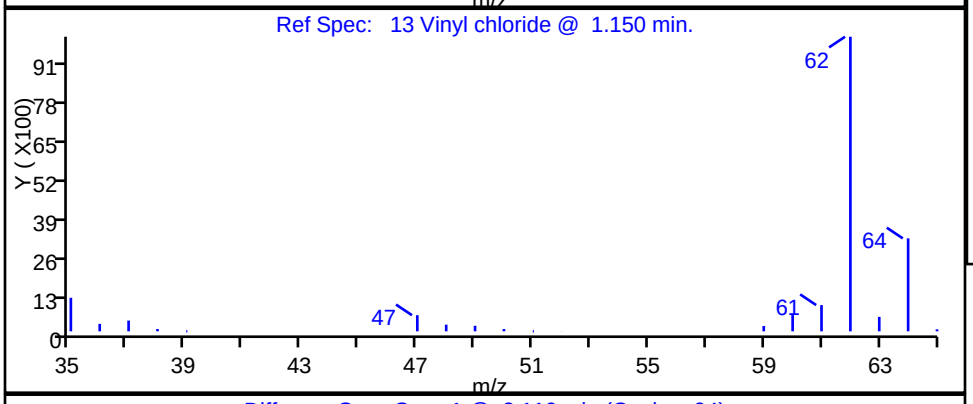
13 Vinyl chloride, CAS: 75-01-4

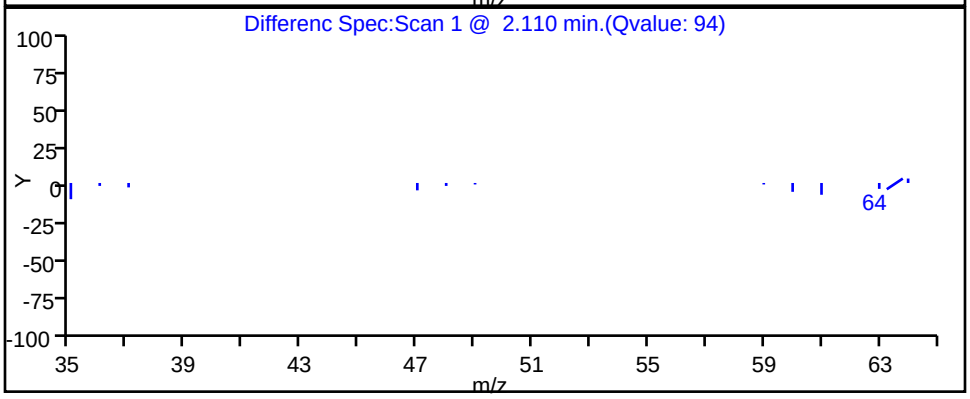












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B115-AREA2-S1 DL | Lab Sample ID: 480-101258-41 DL

Matrix: Solid | Lab File ID: N4640.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:50

Sample wt/vol: 5.28(g) | Date Analyzed: 06/15/2016 02:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 9.0 | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		110	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		110	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	55
79-00-5	1,1,2-Trichloroethane	ND		110	23
75-34-3	1,1-Dichloroethane	2000		110	34
75-35-4	1,1-Dichloroethene	270		110	38
120-82-1	1,2,4-Trichlorobenzene	ND		110	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		110	55
106-93-4	1,2-Dibromoethane	ND		110	19
95-50-1	1,2-Dichlorobenzene	ND		110	28
107-06-2	1,2-Dichloroethane	ND		110	45
78-87-5	1,2-Dichloropropane	ND	*	110	18
541-73-1	1,3-Dichlorobenzene	ND		110	29
106-46-7	1,4-Dichlorobenzene	ND		110	15
78-93-3	2-Butanone (MEK)	ND		550	320
591-78-6	2-Hexanone	ND		550	220
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		550	35
67-64-1	Acetone	ND		550	450
71-43-2	Benzene	ND		110	21
75-27-4	Bromodichloromethane	ND		110	22
75-25-2	Bromoform	ND		110	55
74-83-9	Bromomethane	ND		110	24
75-15-0	Carbon disulfide	ND		110	50
56-23-5	Carbon tetrachloride	ND		110	28
108-90-7	Chlorobenzene	ND		110	14
75-00-3	Chloroethane	ND		110	23
67-66-3	Chloroform	ND		110	75
74-87-3	Chloromethane	ND		110	26
156-59-2	cis-1,2-Dichloroethene	3300		110	30
10061-01-5	cis-1,3-Dichloropropene	ND		110	26
110-82-7	Cyclohexane	ND	*	110	24
124-48-1	Dibromochloromethane	ND		110	53
75-71-8	Dichlorodifluoromethane	ND		110	48
100-41-4	Ethylbenzene	ND		110	32
98-82-8	Isopropylbenzene	ND		110	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B115-AREA2-S1 DL | Lab Sample ID: 480-101258-41 DL

Matrix: Solid | Lab File ID: N4640.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:50

Sample wt/vol: 5.28(g) | Date Analyzed: 06/15/2016 02:59

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 9.0 | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		110	52
1634-04-4	Methyl tert-butyl ether	ND		110	41
108-87-2	Methylcyclohexane	ND		110	51
75-09-2	Methylene Chloride	ND		110	22
100-42-5	Styrene	ND		110	26
127-18-4	Tetrachloroethene	ND		110	15
108-88-3	Toluene	ND		110	29
156-60-5	trans-1,2-Dichloroethene	ND		110	26
10061-02-6	trans-1,3-Dichloropropene	ND		110	11
79-01-6	Trichloroethene	140		110	30
75-69-4	Trichlorofluoromethane	ND		110	51
75-01-4	Vinyl chloride	ND		110	37
1330-20-7	Xylenes, Total	ND		220	60

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		53-146
460-00-4	4-Bromofluorobenzene (Surr)	109		49-148
2037-26-5	Toluene-d8 (Surr)	99		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4640.D
Lims ID: 480-101258-A-41-C
Client ID: B115-AREA2-S1
Sample Type: Client
Inject. Date: 15-Jun-2016 02:59:30 ALS Bottle#: 14 Worklist Smp#: 35
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-41-C
Misc. Info.: 480-0054040-035
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 12:22:38 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: o'briens Date: 15-Jun-2016 12:51:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.558	0.006	98	87970	25.0	
* 2 Chlorobenzene-d5	117	8.564	8.557	0.007	90	274685	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	139295	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	138507	26.0	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	95	375907	24.7	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	88	113264	27.3	
11 Dichlorodifluoromethane	85		1.397				ND	
13 Chloromethane	50		1.555				ND	
14 Vinyl chloride	62		1.665				ND	
15 Bromomethane	94		1.963				ND	
16 Chloroethane	64		2.072				ND	
18 Trichlorofluoromethane	101		2.334				ND	
22 1,1-Dichloroethene	96	2.808	2.802	0.006	89	8824	2.45	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821				ND	
23 Acetone	43		2.900				ND	
25 Carbon disulfide	76		3.003				ND	
28 Methyl acetate	43		3.210				ND	
30 Methylene Chloride	84		3.307				ND	
32 Methyl tert-butyl ether	73		3.532				ND	
33 trans-1,2-Dichloroethene	96		3.545				ND	
36 1,1-Dichloroethane	63	3.952	3.958	-0.006	96	153500	18.4	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	84	140771	30.2	
44 2-Butanone (MEK)	43		4.530				ND	
50 Chloroform	83		4.816				ND	
51 1,1,1-Trichloroethane	97		4.944				ND	
52 Cyclohexane	56		4.974				ND	
53 Carbon tetrachloride	117		5.090				ND	
55 Benzene	78		5.297				ND	
57 1,2-Dichloroethane	62		5.345				ND	
60 Trichloroethene	95	5.911	5.911	0.000	87	4841	1.28	
62 Methylcyclohexane	83		6.051				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.136				ND	
67 Dichlorobromomethane	83		6.422				ND	
71 cis-1,3-Dichloropropene	75		6.842				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982				ND	
73 Toluene	92	7.140	7.140	0.000	60	2372	0.2491	
75 trans-1,3-Dichloropropene	75		7.402				ND	
78 1,1,2-Trichloroethane	83		7.590				ND	
79 Tetrachloroethene	166		7.688				ND	
82 2-Hexanone	43		7.821				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
85 Chlorobenzene	112		8.588				ND	
88 Ethylbenzene	91		8.691				ND	
90 m-Xylene & p-Xylene	106		8.813				ND	
91 o-Xylene	106		9.239				ND	
92 Styrene	104		9.263				ND	
93 Bromoform	173		9.494				ND	
95 Isopropylbenzene	105		9.622				ND	
98 1,1,2,2-Tetrachloroethane	83		9.987				ND	
110 1,3-Dichlorobenzene	146		10.869				ND	
113 1,4-Dichlorobenzene	146		10.954				ND	
116 1,2-Dichlorobenzene	146		11.307				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.019				ND	
119 1,2,4-Trichlorobenzene	180		12.713				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

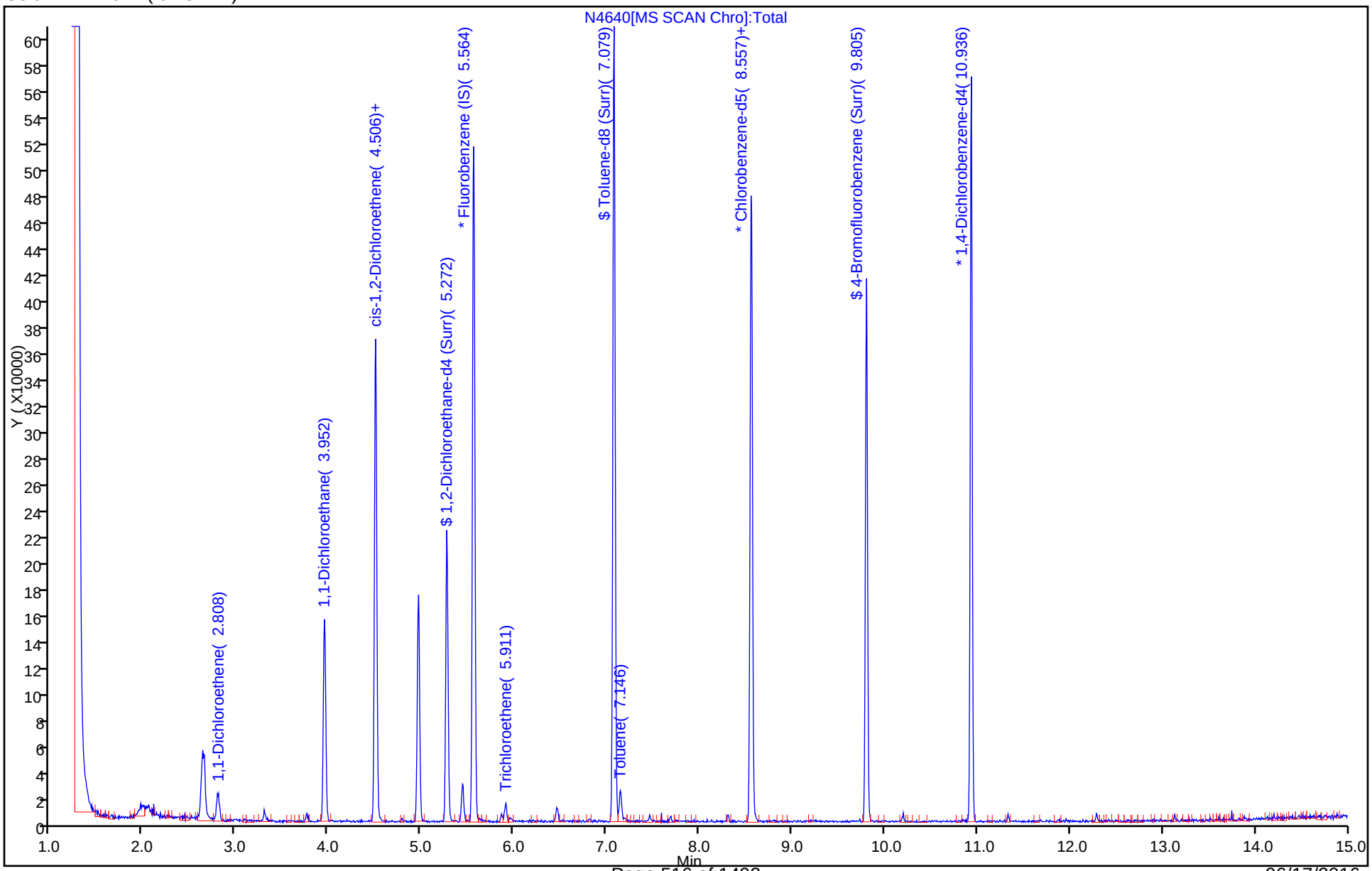
Report Date: 15-Jun-2016 12:51:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4640.D

Injection Date:	15-Jun-2016 02:59:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	480-101258-A-41-C	Lab Sample ID:	480-101258-41	Worklist Smp#:	35
Client ID:	B115-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4640.D
Lims ID: 480-101258-A-41-C
Client ID: B115-AREA2-S1
Sample Type: Client
Inject. Date: 15-Jun-2016 02:59:30 ALS Bottle#: 14 Worklist Smp#: 35
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-41-C
Misc. Info.: 480-0054040-035
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 12:22:38 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: o'briens Date: 15-Jun-2016 12:51:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.0	104.17
$ 6 Toluene-d8 (Surr)	25.0	24.7	98.72
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.3	109.38

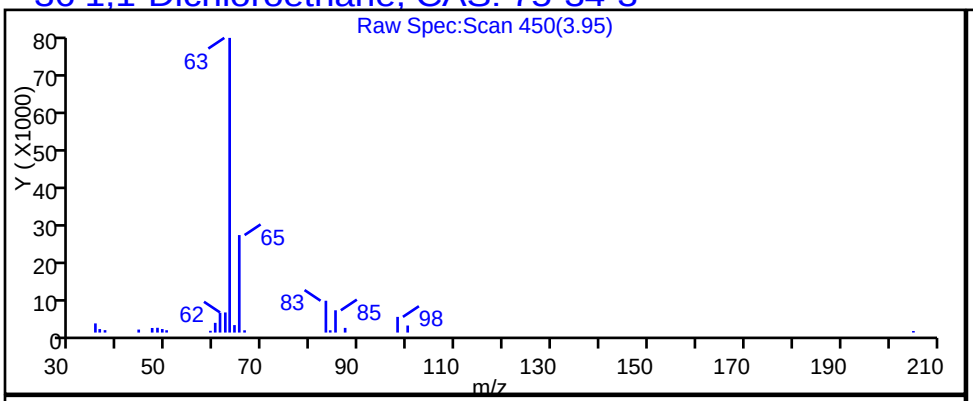
Report Date: 15-Jun-2016 12:51:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

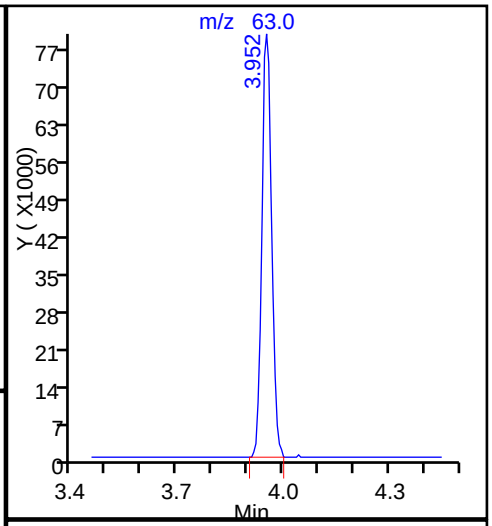
TestAmerica Buffalo

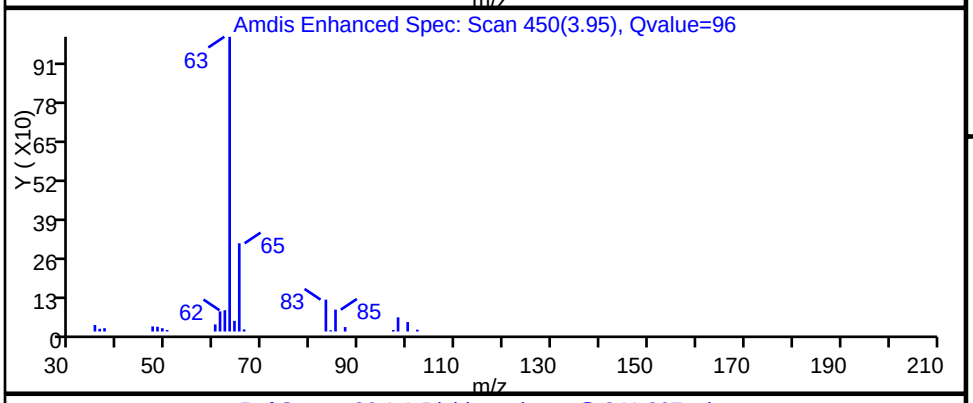
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4640.D

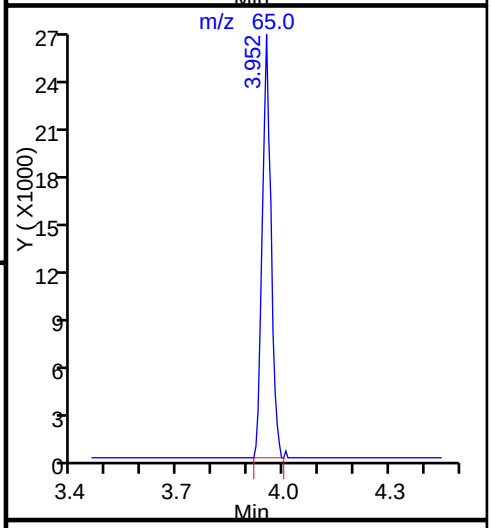
Injection Date:	15-Jun-2016 02:59:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-41-C	Lab Sample ID:	480-101258-41
Client ID:	B115-AREA2-S1		
Operator ID:	GF	ALS Bottle#:	14 Worklist Smp#: 35
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

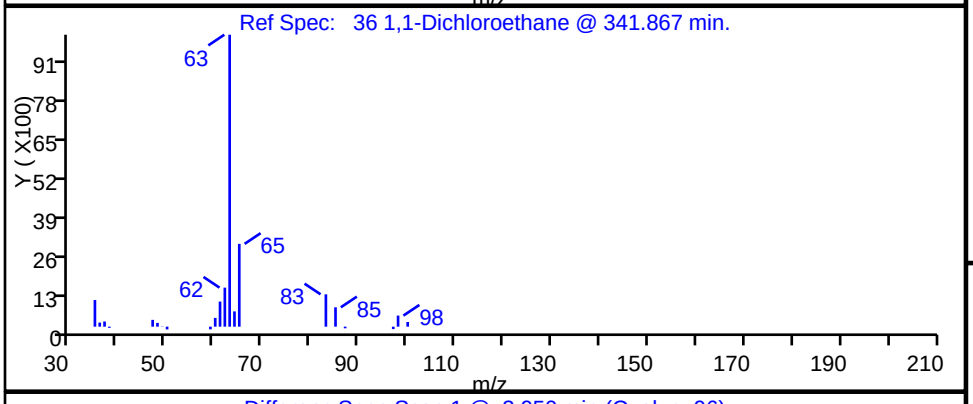
36 1,1-Dichloroethane, CAS: 75-34-3

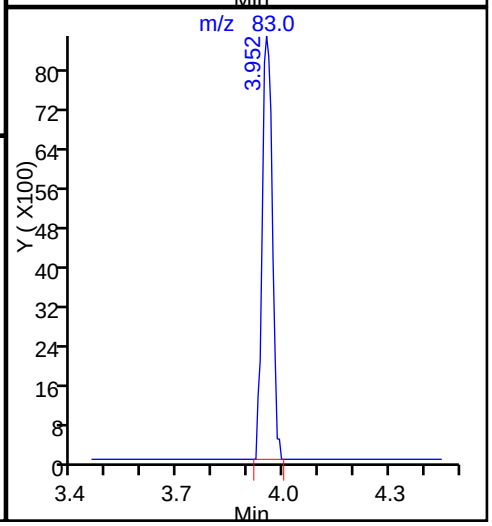


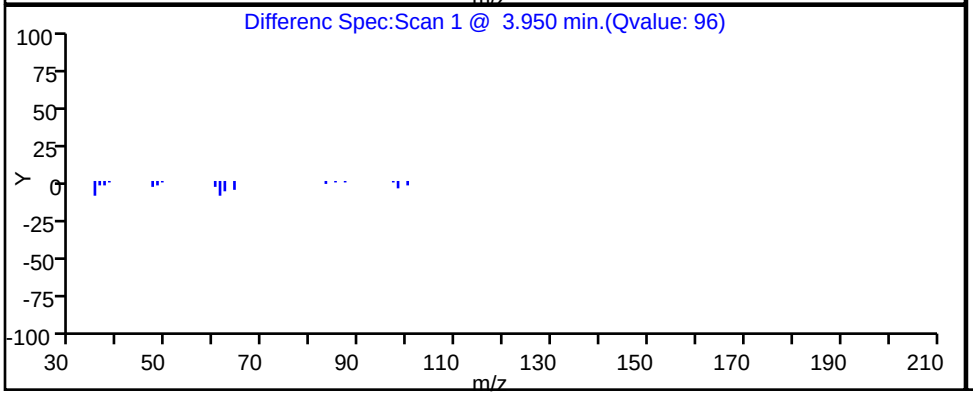












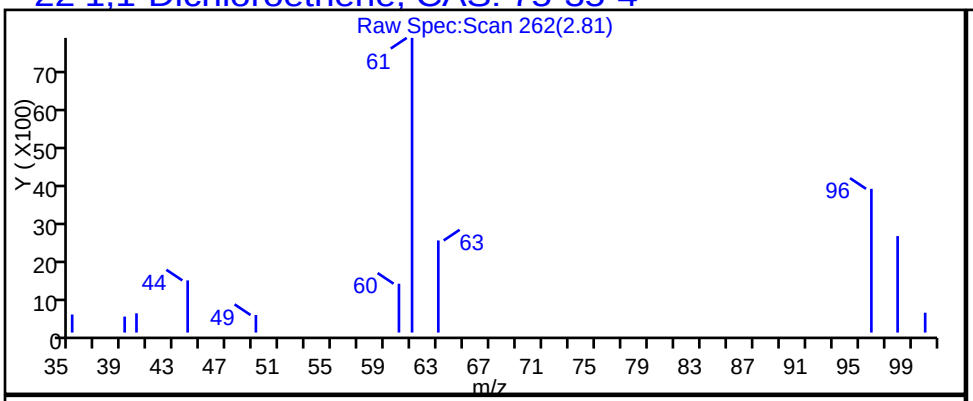
Report Date: 15-Jun-2016 12:51:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

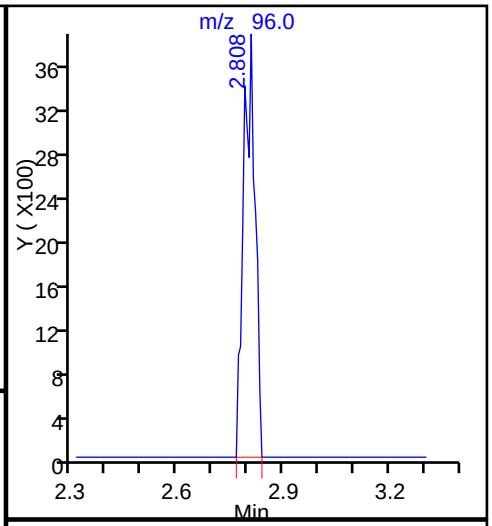
TestAmerica Buffalo

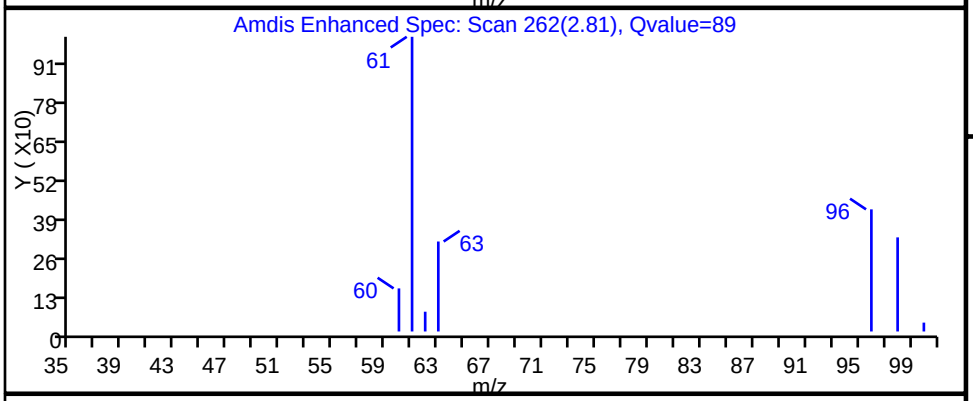
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4640.D

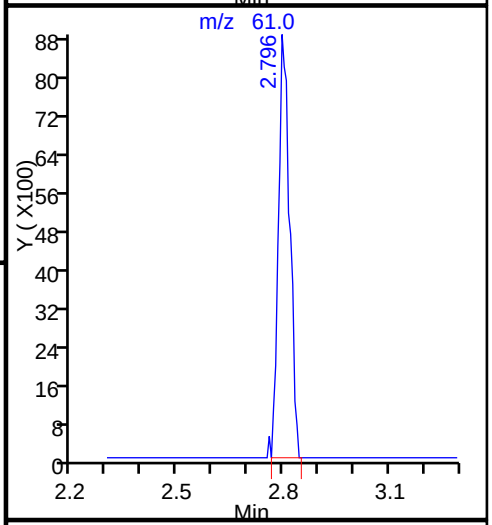
Injection Date:	15-Jun-2016 02:59:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-41-C	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	14	Worklist Smp#:	35
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

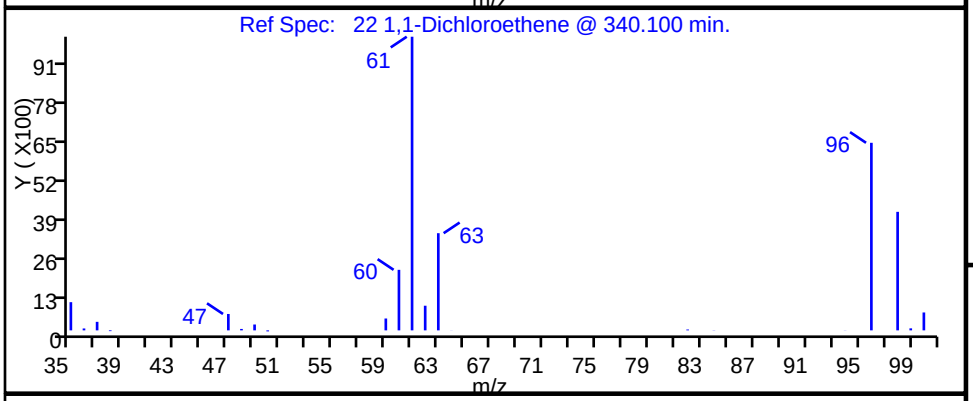
22 1,1-Dichloroethene, CAS: 75-35-4

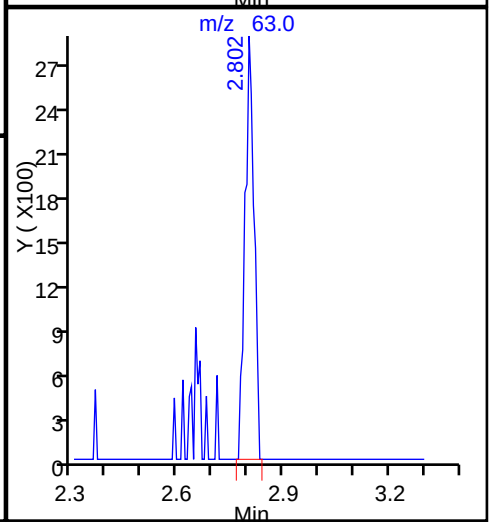


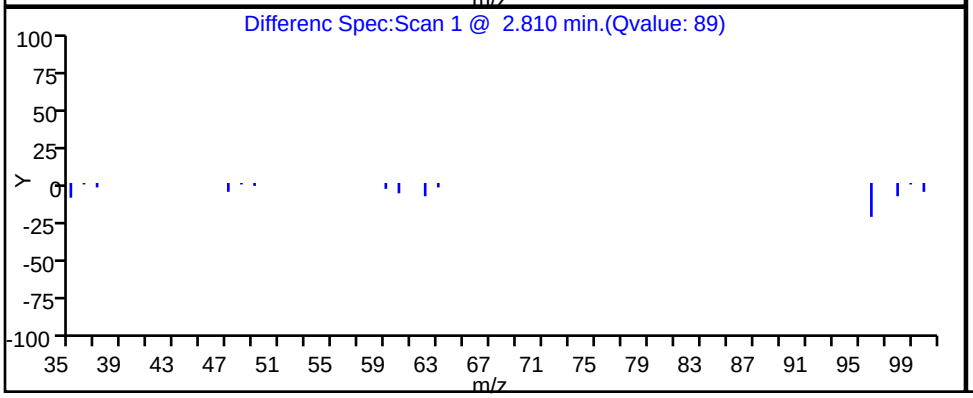












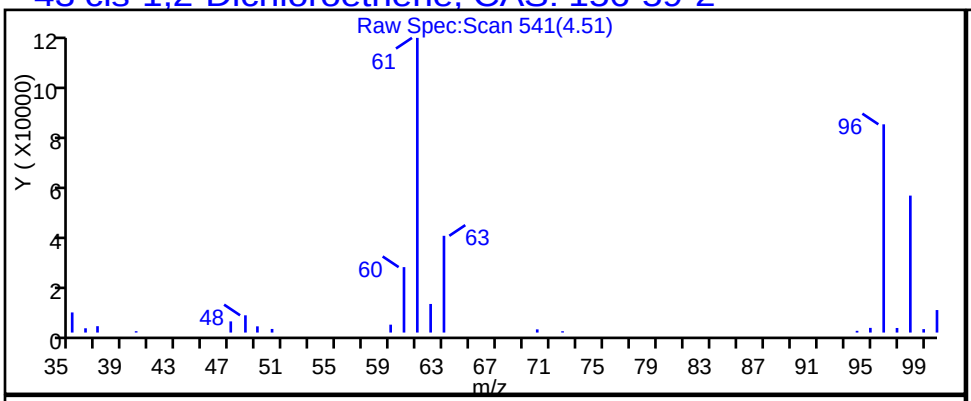
Report Date: 15-Jun-2016 12:51:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

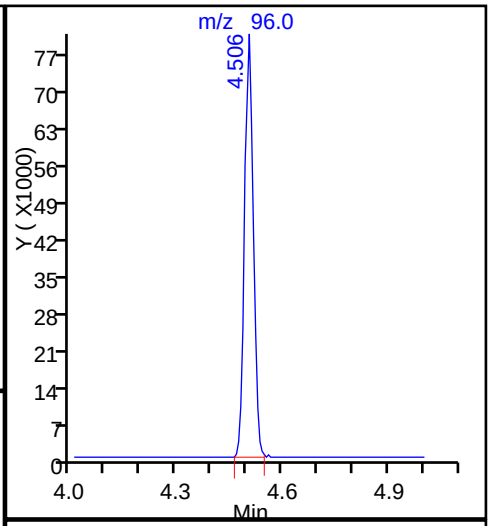
TestAmerica Buffalo

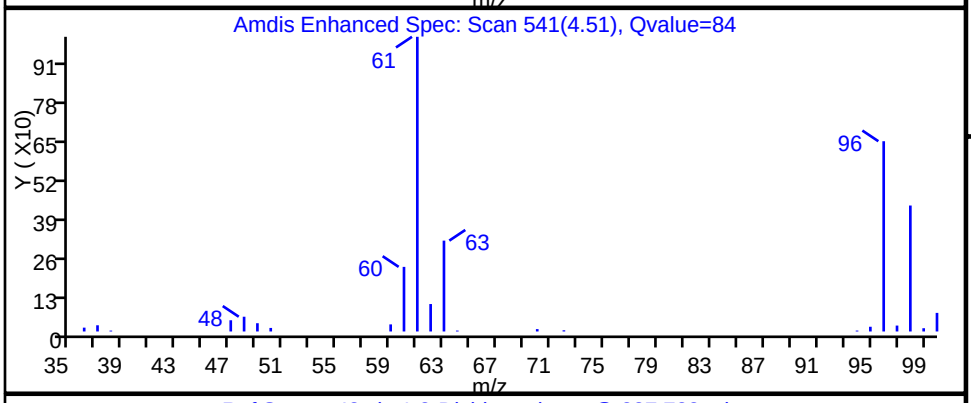
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4640.D

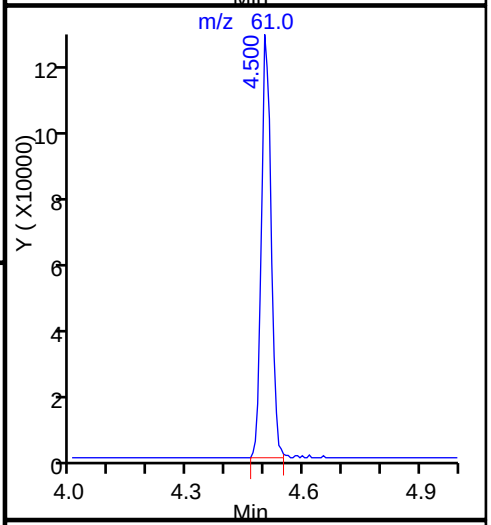
Injection Date:	15-Jun-2016 02:59:30	Instrument ID:	HP5973N
Lims ID:	480-101258-A-41-C	Lab Sample ID:	480-101258-41
Client ID:	B115-AREA2-S1		
Operator ID:	GF	ALS Bottle#:	14 Worklist Smp#: 35
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

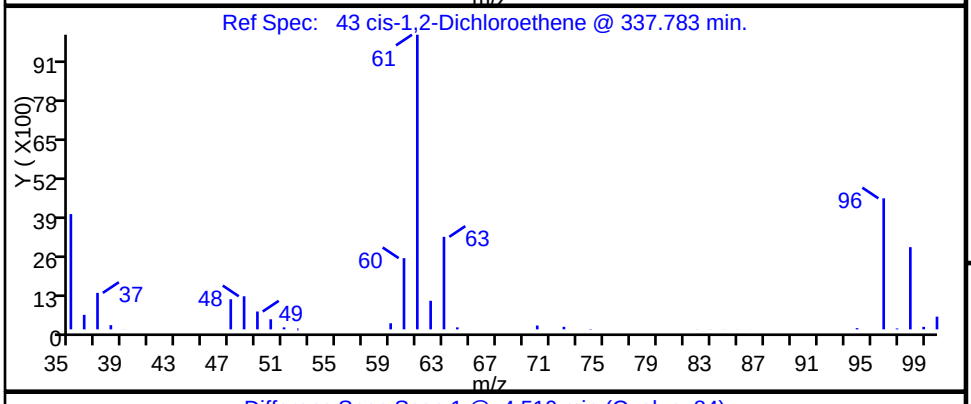
43 cis-1,2-Dichloroethene, CAS: 156-59-2

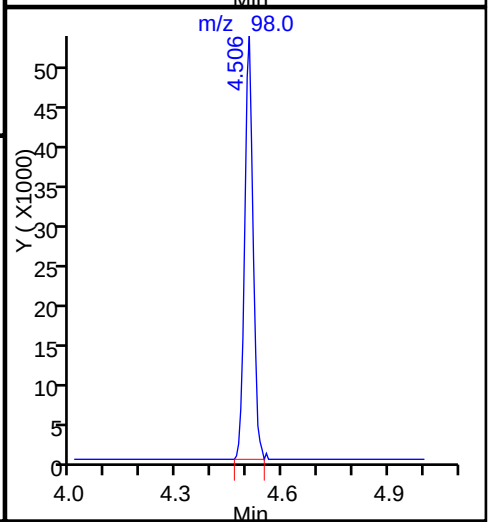


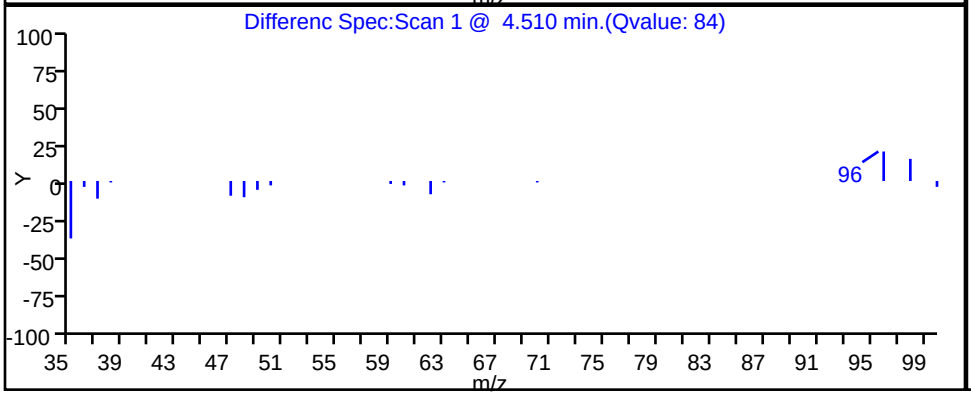












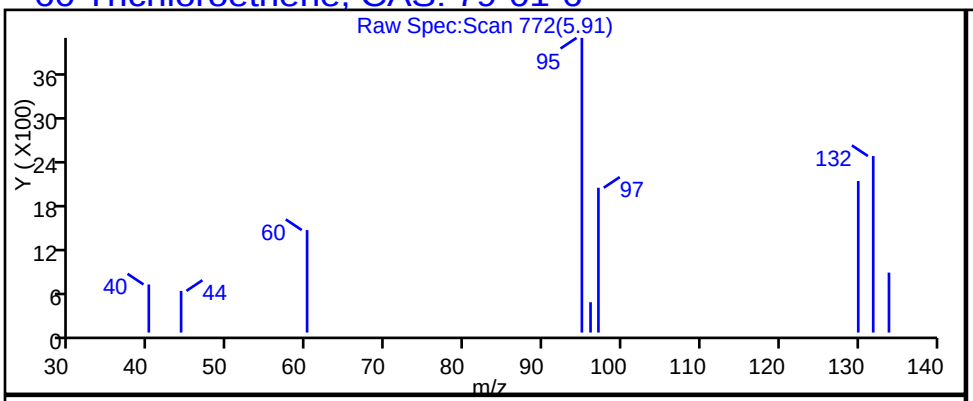
Report Date: 15-Jun-2016 12:51:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

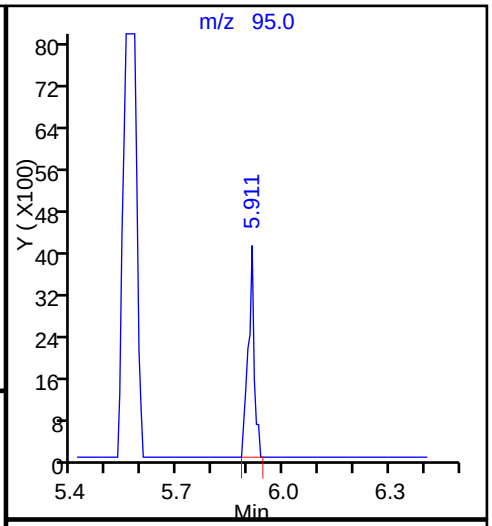
TestAmerica Buffalo

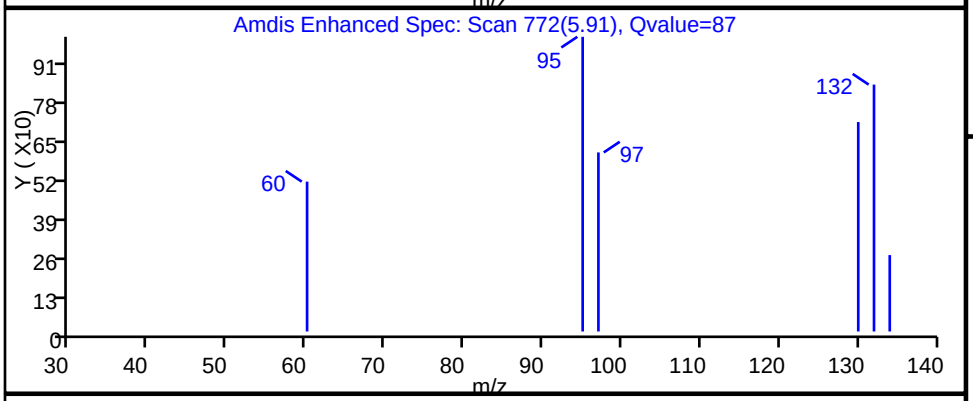
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4640.D

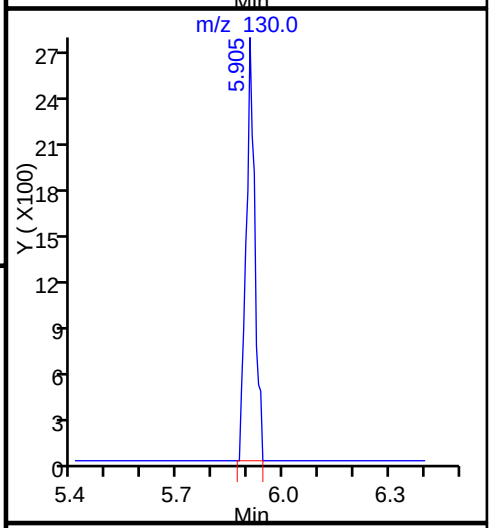
Injection Date:	15-Jun-2016 02:59:30	Instrument ID:	HP5973N		
Lims ID:	480-101258-A-41-C	Lab Sample ID:	480-101258-41		
Client ID:	B115-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	14	Worklist Smp#:	35
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

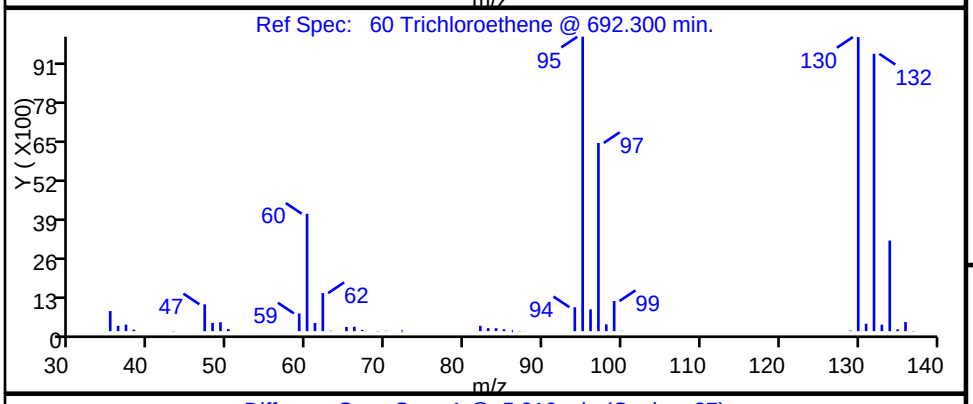
60 Trichloroethene, CAS: 79-01-6

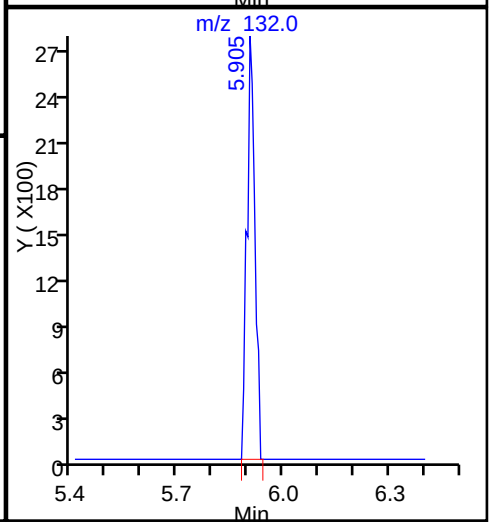


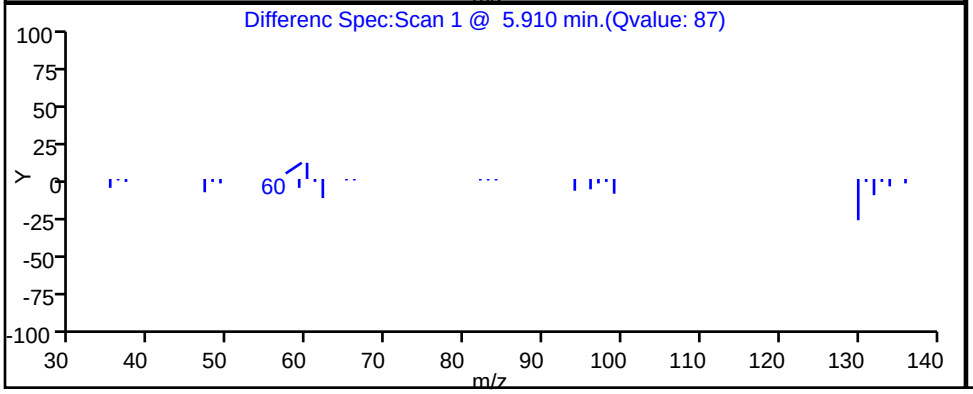












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B115-AREA2-S2 | Lab Sample ID: 480-101258-42

Matrix: Solid | Lab File ID: F7213.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:55

Sample wt/vol: 5.06(g) | Date Analyzed: 06/14/2016 15:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.87
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.4	0.70
75-34-3	1,1-Dichloroethane	4.6	J	5.4	0.66
75-35-4	1,1-Dichloroethene	1.9	J	5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.75
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	13	J	27	4.5
71-43-2	Benzene	ND		5.4	0.26
75-27-4	Bromodichloromethane	ND		5.4	0.72
75-25-2	Bromoform	ND	*	5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.48
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	ND	*	5.4	0.71
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	1.1	J	5.4	0.33
74-87-3	Chloromethane	ND		5.4	0.32
156-59-2	cis-1,2-Dichloroethene	4.3	J	5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.77
110-82-7	Cyclohexane	ND		5.4	0.75
124-48-1	Dibromochloromethane	ND	*	5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.44
100-41-4	Ethylbenzene	ND	*	5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B115-AREA2-S2 | Lab Sample ID: 480-101258-42

Matrix: Solid | Lab File ID: F7213.D

Analysis Method: 8260C | Date Collected: 06/07/2016 15:55

Sample wt/vol: 5.06(g) | Date Analyzed: 06/14/2016 15:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.0 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.2
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	55		5.4	2.5
100-42-5	Styrene	ND	*	5.4	0.27
127-18-4	Tetrachloroethene	ND	*	5.4	0.72
108-88-3	Toluene	1.3	J *	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.55
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	51	X *	72-126
2037-26-5	Toluene-d8 (Surr)	135	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D
Lims ID: 480-101258-A-42-B
Client ID: B115-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 15:59:30 ALS Bottle#: 9 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-42-B
Misc. Info.: 480-0054020-015
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:39:35 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:40:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	134145	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	141015	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	51267	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	99597	51.4	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	94	412345	67.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	85	50449	25.7	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96	3.052	3.046	0.006	94	5939	1.79	
23 Acetone	43	3.113	3.101	0.012	98	17482	11.7	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	87	202879	50.9	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63	3.946	3.940	0.006	96	27738	4.28	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	80	16495	3.96	
50 Chloroform	83	4.634	4.622	0.012	90	7239	1.02	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.714	6.714	0.000	94	6101	1.25	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.231				ND	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91		8.180				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

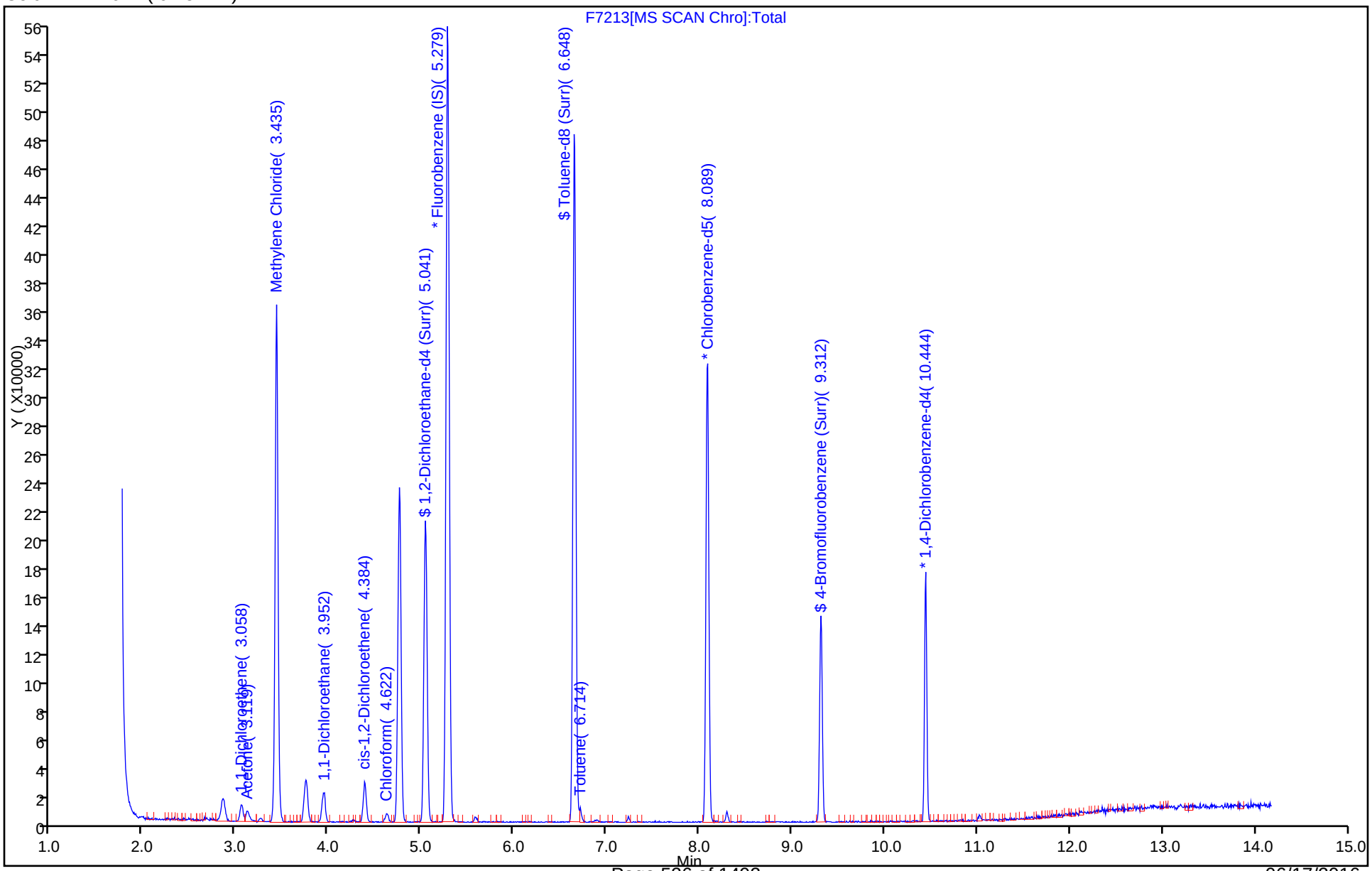
Report Date: 14-Jun-2016 19:40:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D

Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42	Worklist Smp#:	15
Client ID:	B115-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D
Lims ID: 480-101258-A-42-B
Client ID: B115-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 15:59:30 ALS Bottle#: 9 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-42-B
Misc. Info.: 480-0054020-015
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:39:35 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:40:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	51.4	102.80
$ 5 Toluene-d8 (Surr)	50.0	67.6	135.27
$ 6 4-Bromofluorobenzene (Surr)	50.0	25.7	51.42

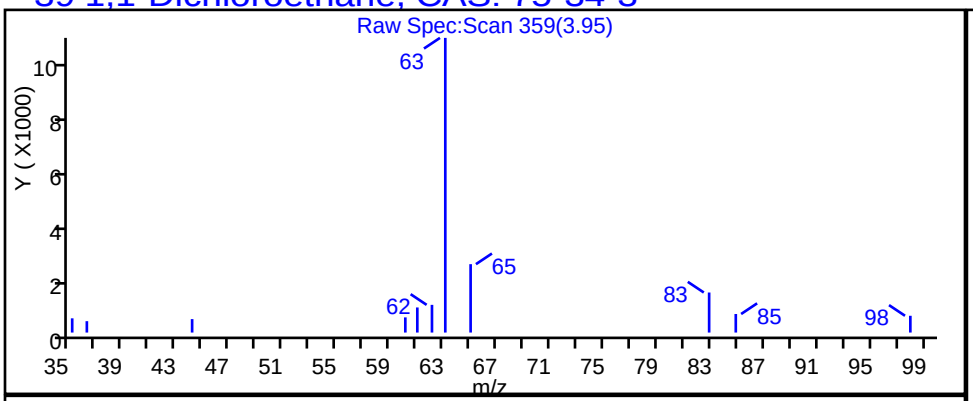
Report Date: 14-Jun-2016 19:40:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

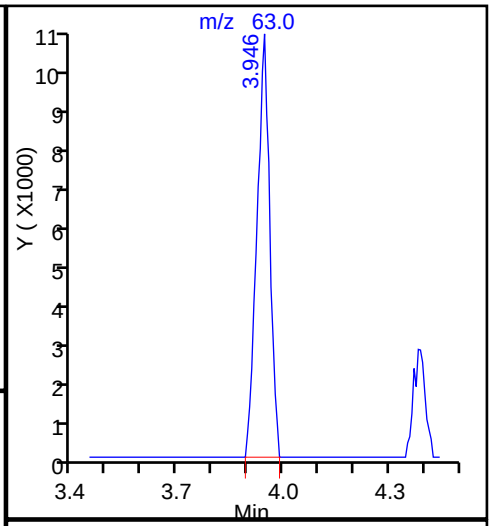
TestAmerica Buffalo

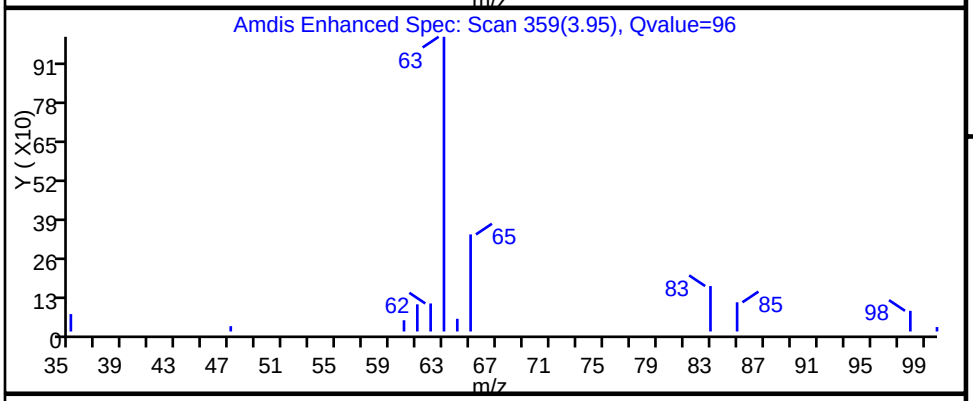
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D

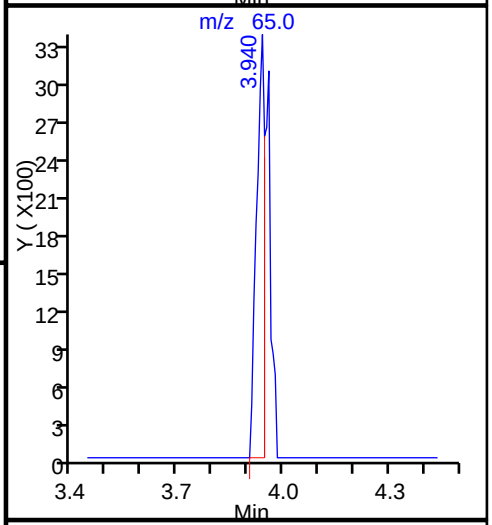
Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42
Client ID:	B115-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	9 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

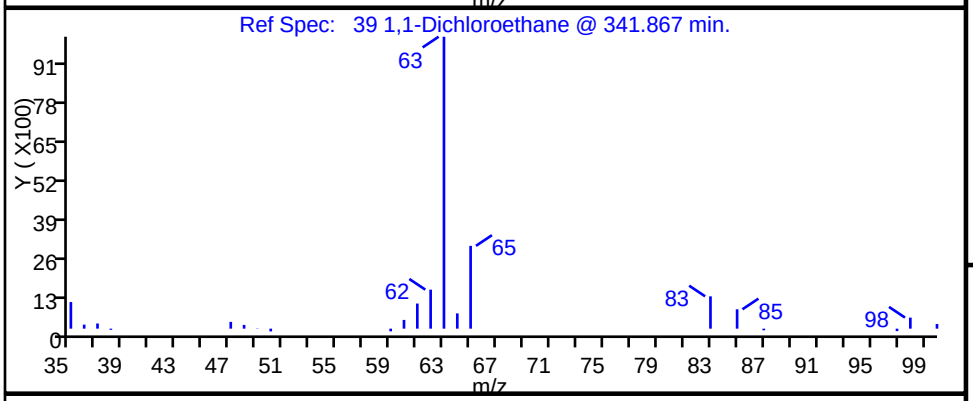
39 1,1-Dichloroethane, CAS: 75-34-3

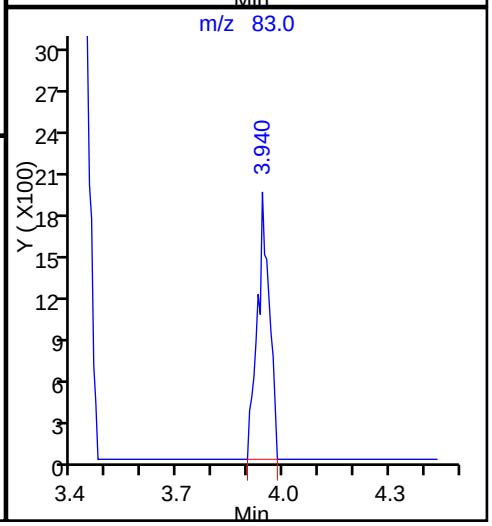


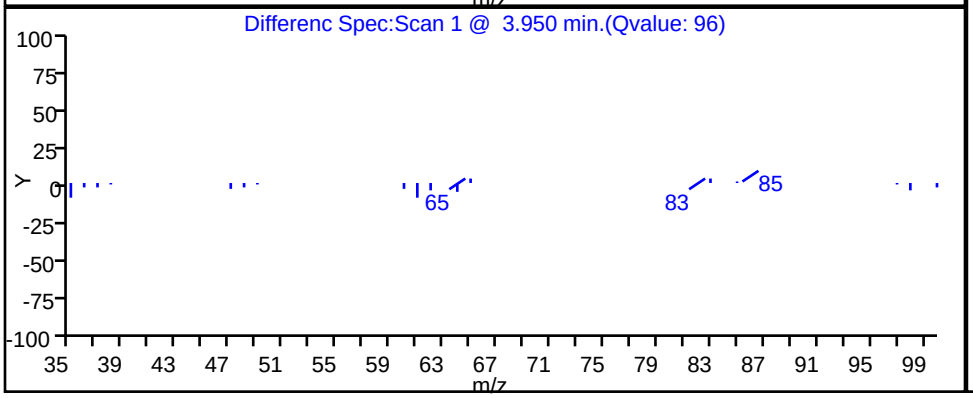








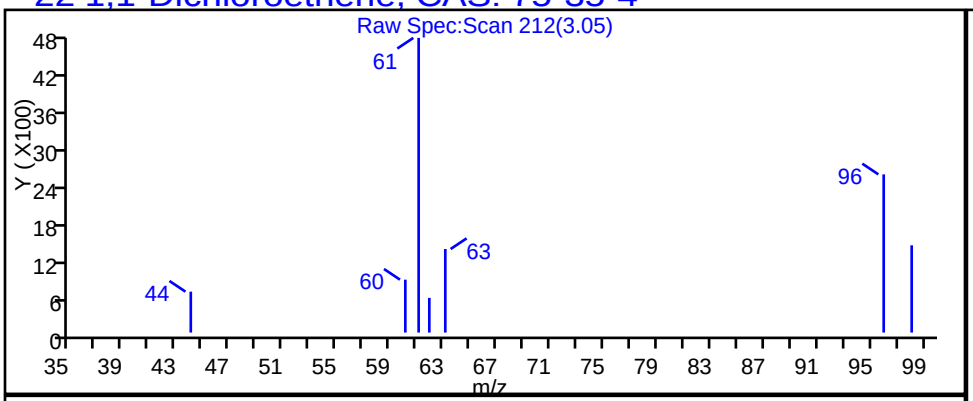


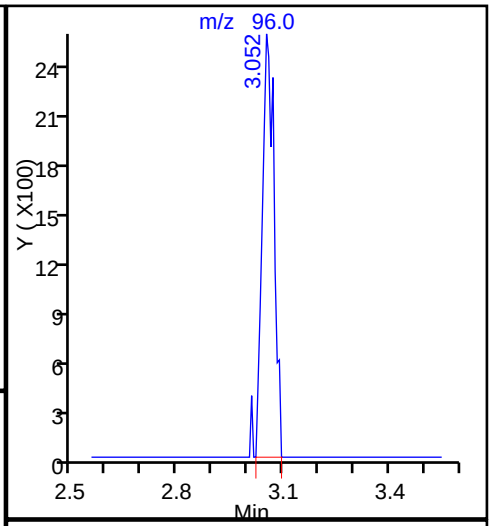


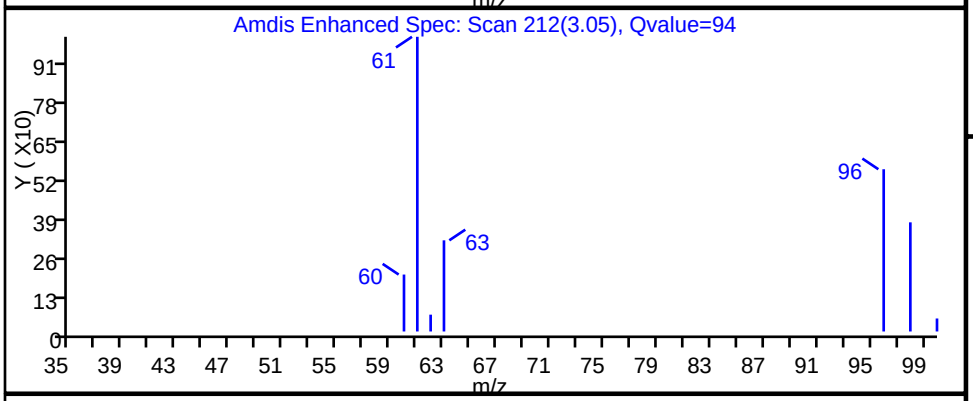
TestAmerica Buffalo

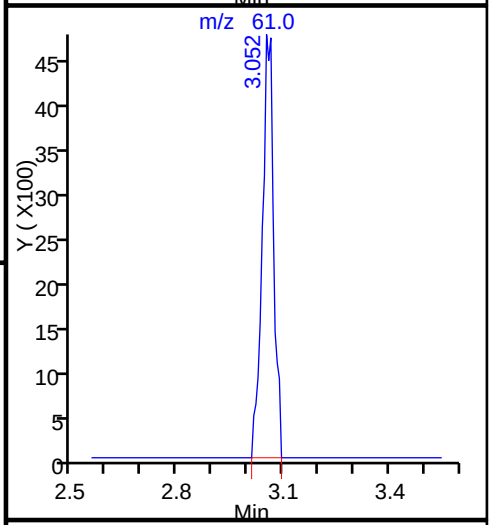
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D				
Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42		
Client ID:	B115-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

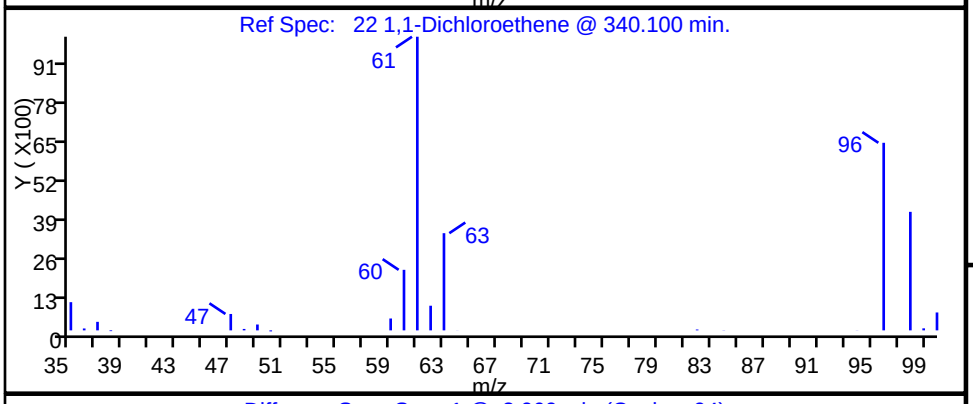
22 1,1-Dichloroethene, CAS: 75-35-4

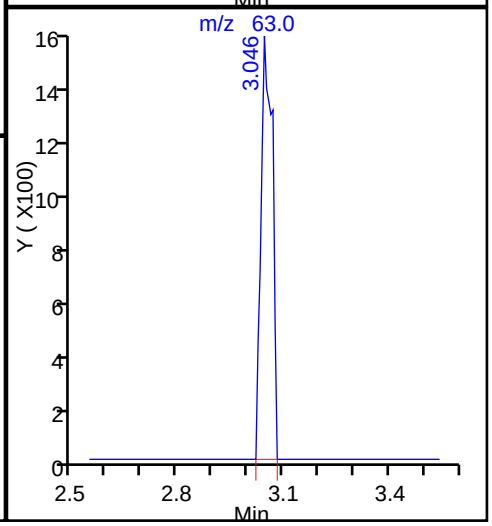


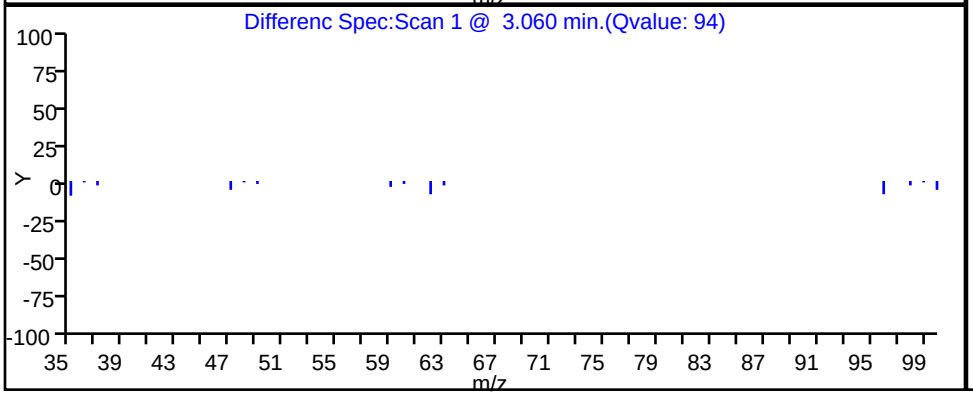










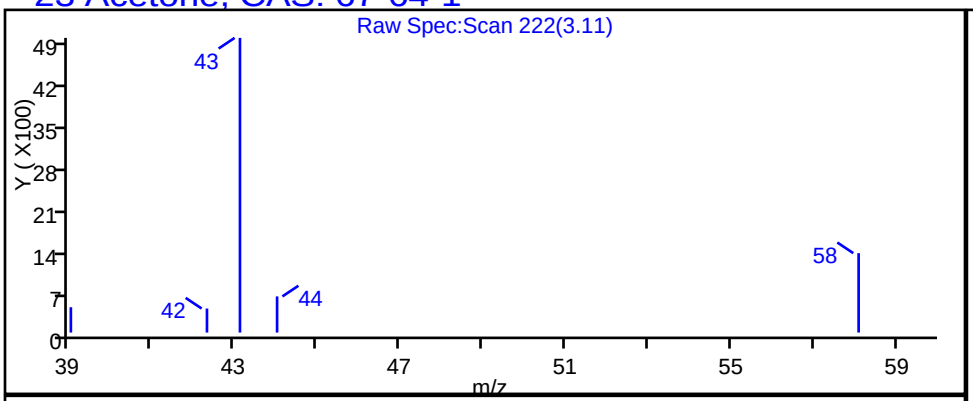


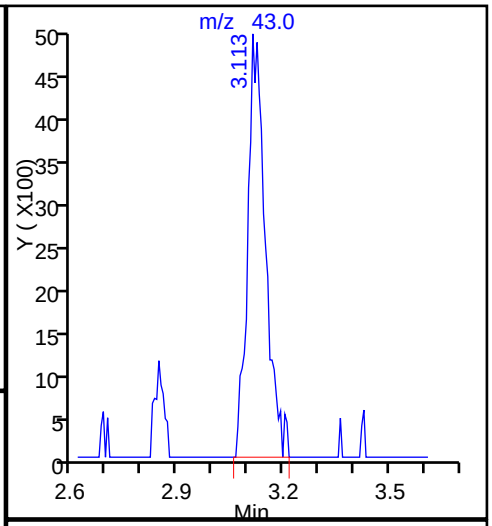
TestAmerica Buffalo

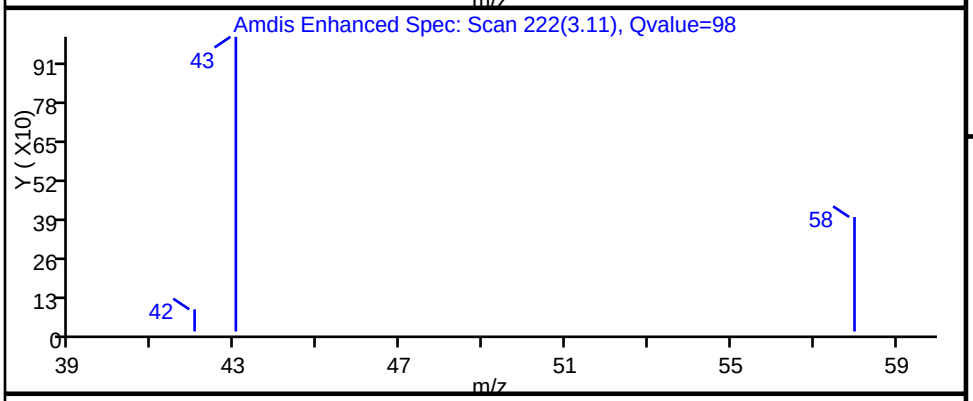
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D

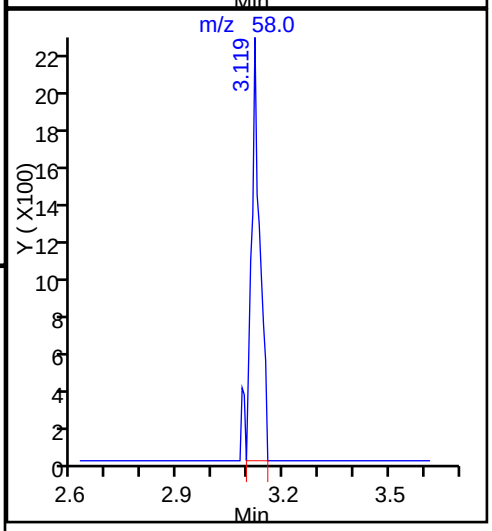
Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42		
Client ID:	B115-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

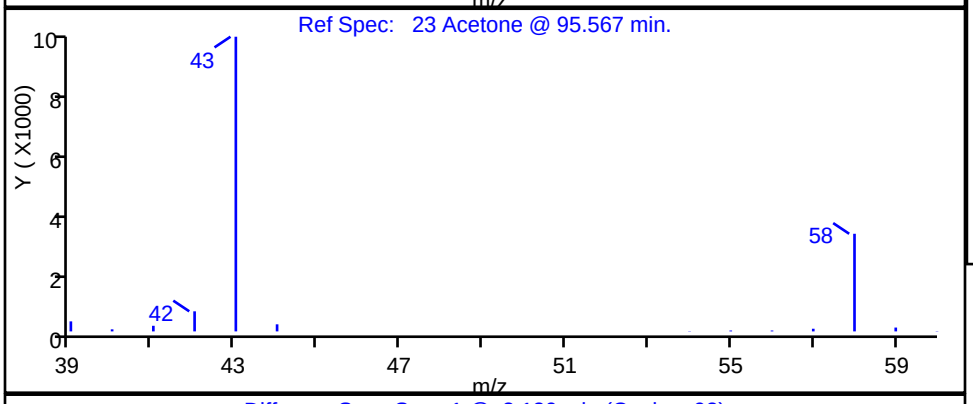
23 Acetone, CAS: 67-64-1

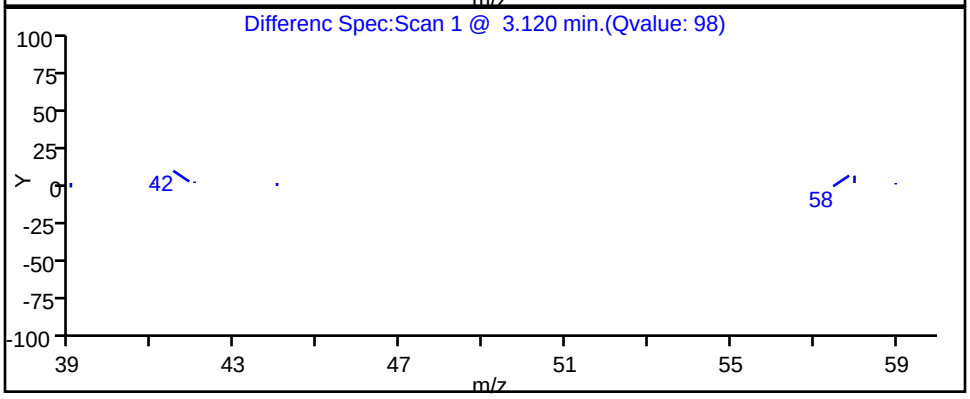












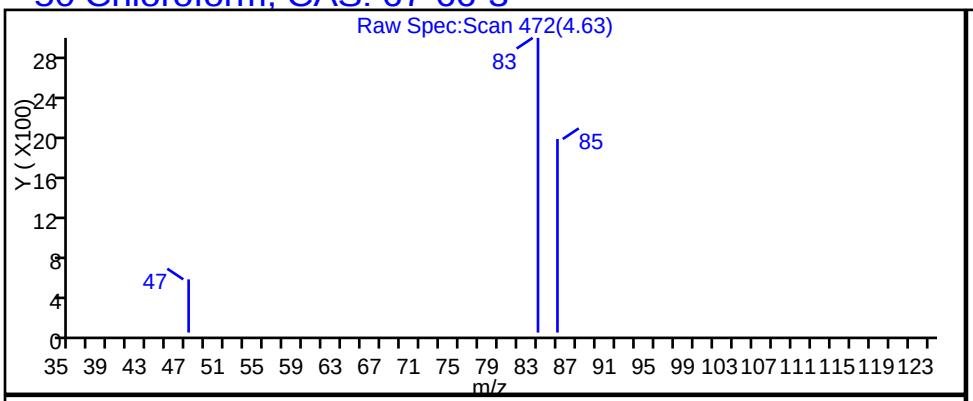
Report Date: 14-Jun-2016 19:40:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

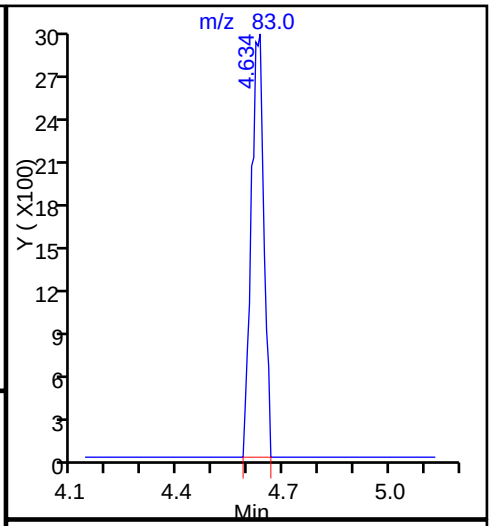
TestAmerica Buffalo

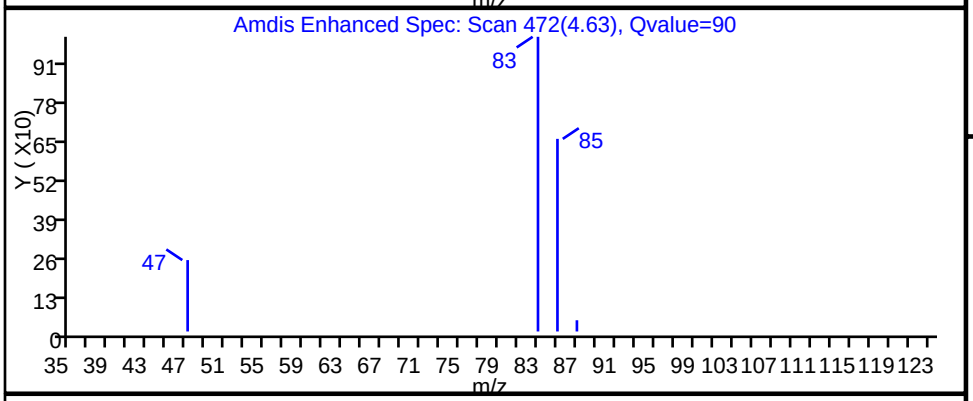
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D

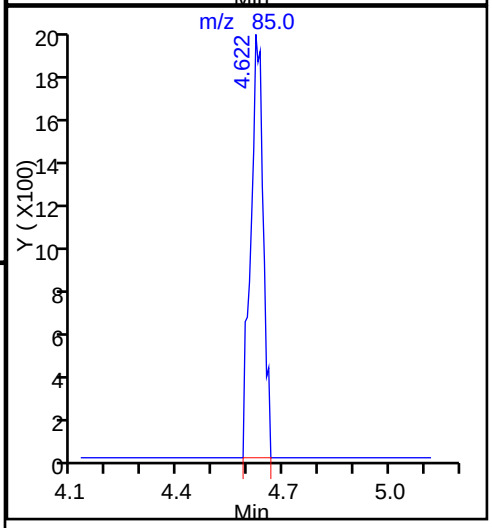
Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42
Client ID:	B115-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	9 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

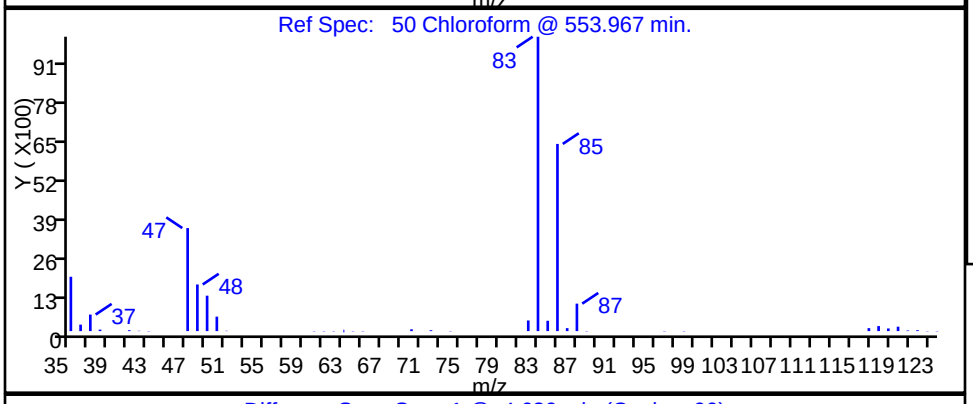
50 Chloroform, CAS: 67-66-3

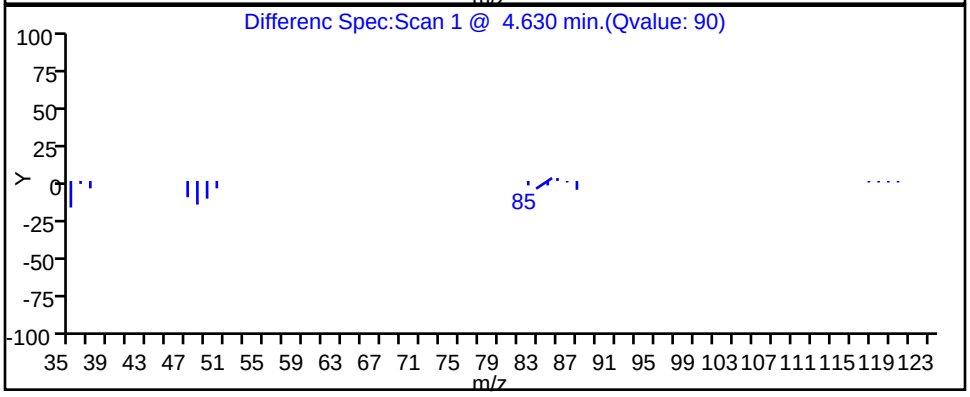








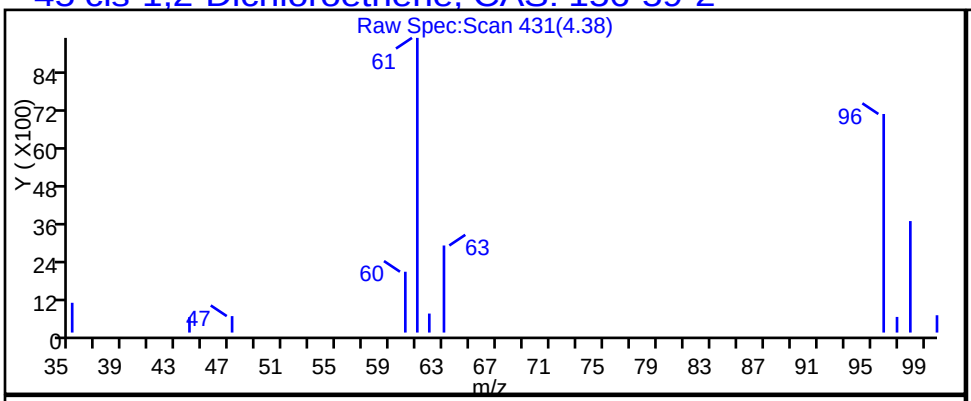


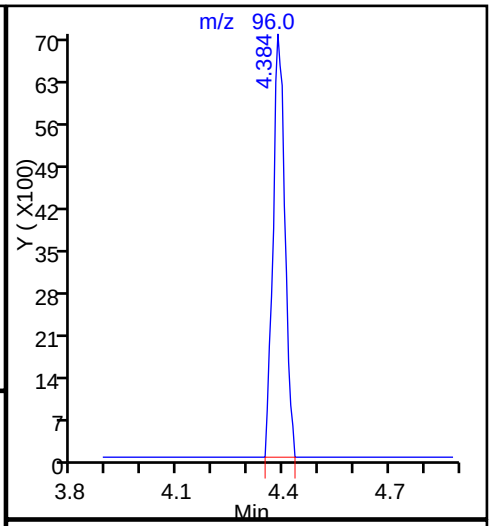


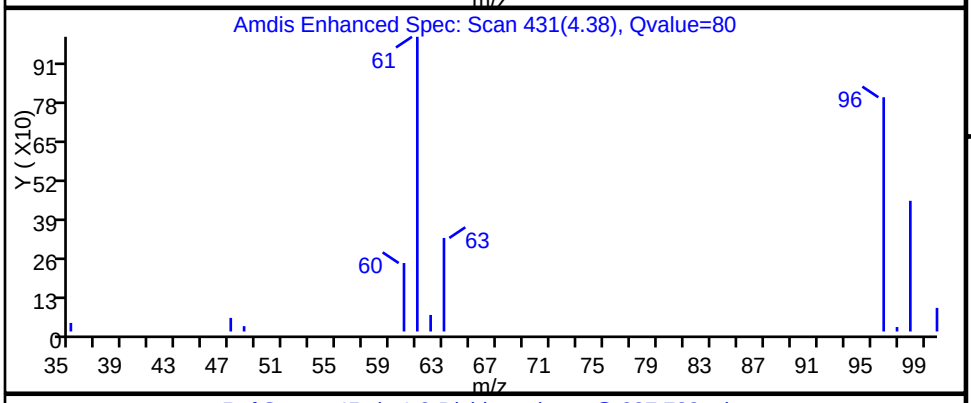
TestAmerica Buffalo

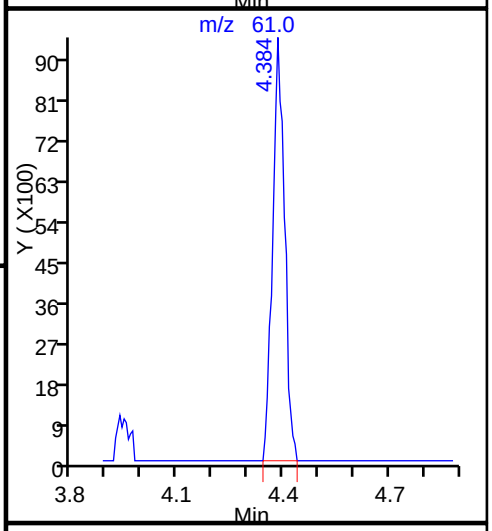
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D				
Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42		
Client ID:	B115-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

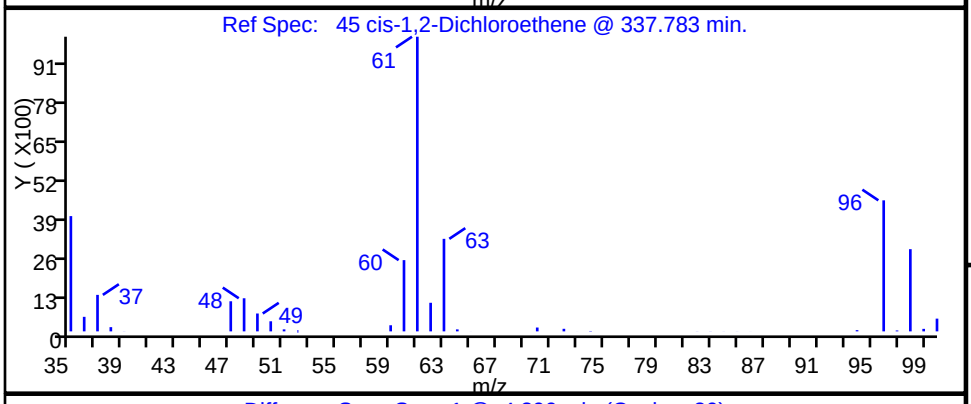
45 cis-1,2-Dichloroethene, CAS: 156-59-2

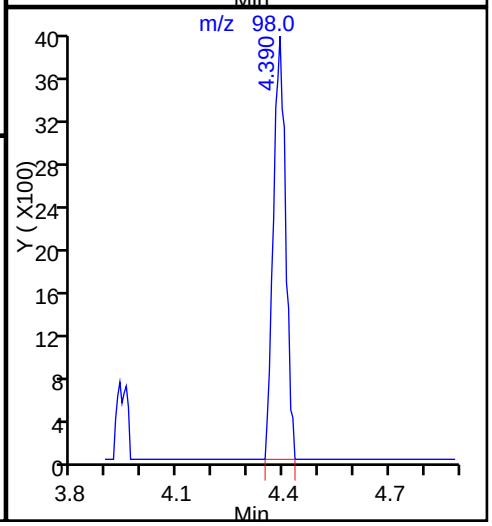


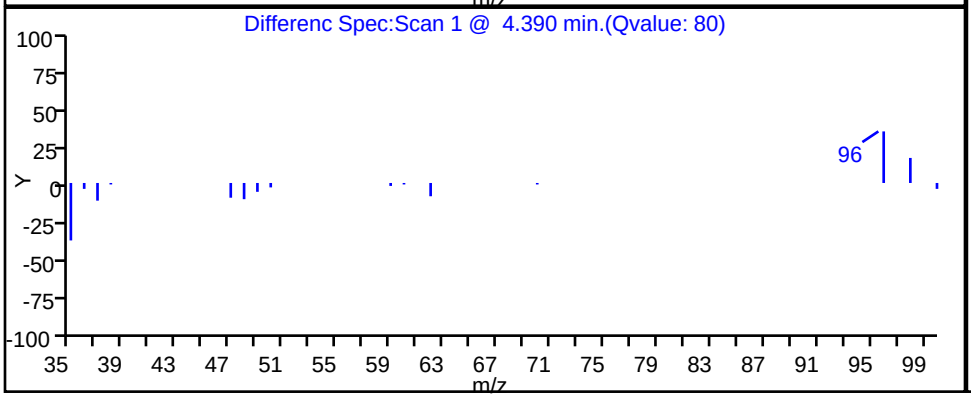










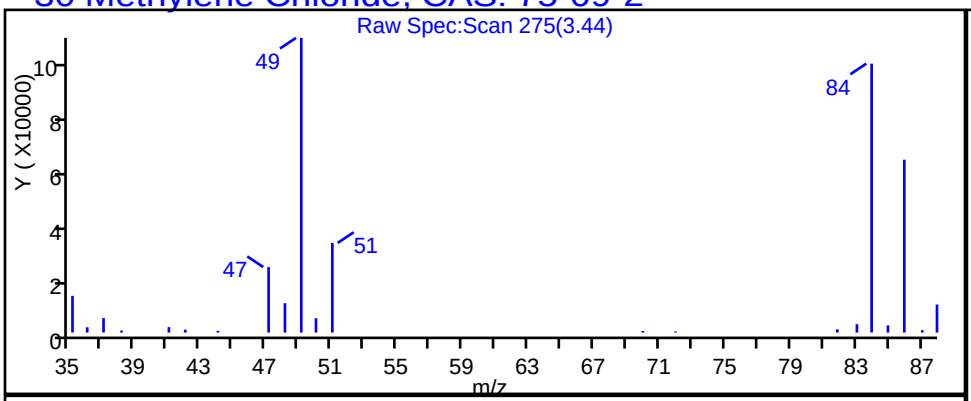


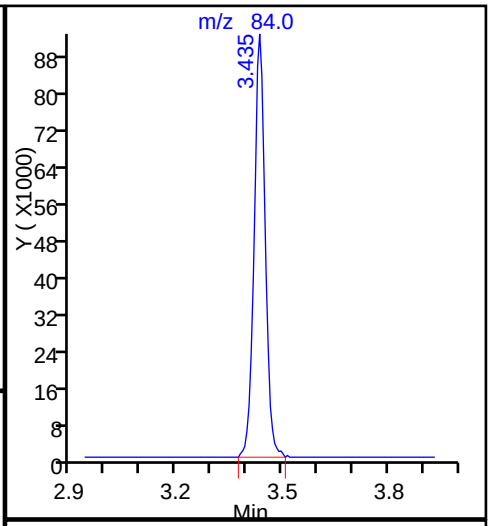
TestAmerica Buffalo

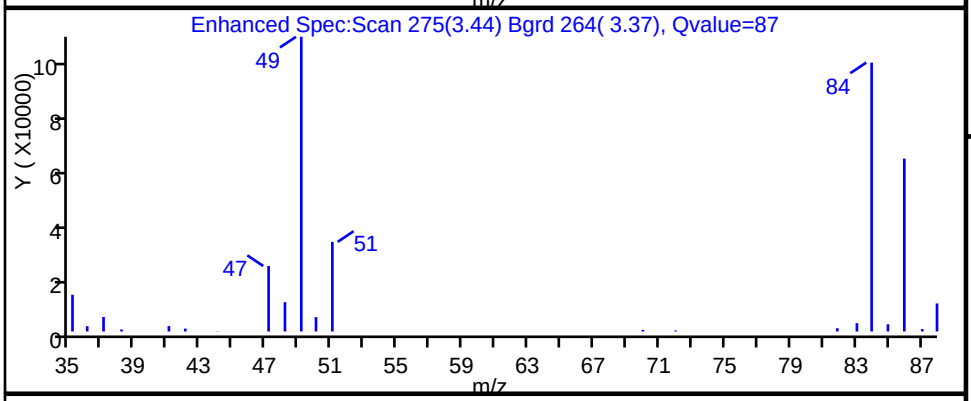
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D

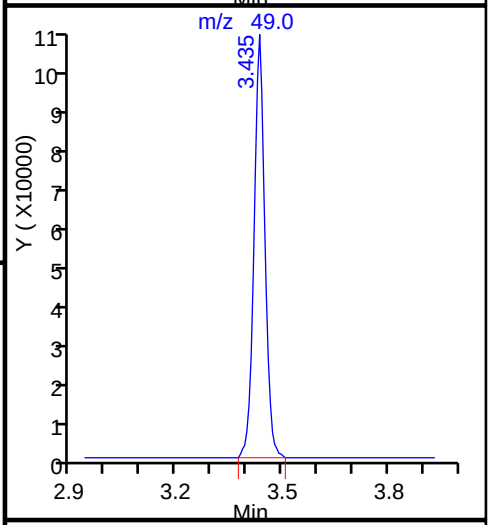
Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42		
Client ID:	B115-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

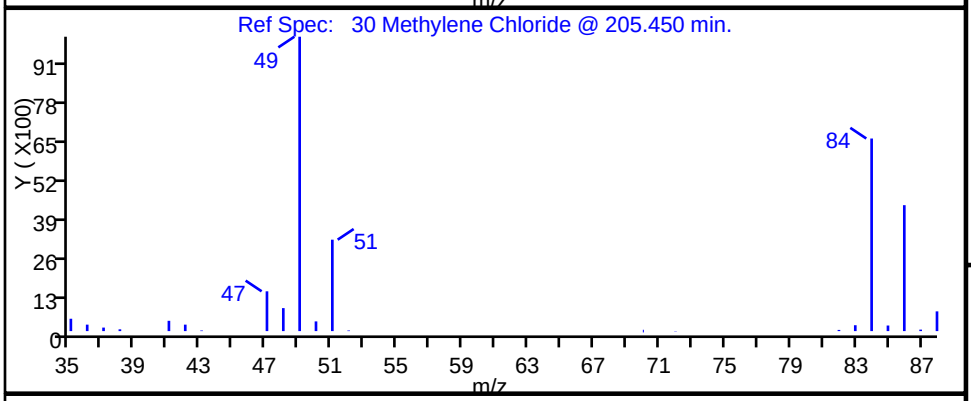
30 Methylene Chloride, CAS: 75-09-2

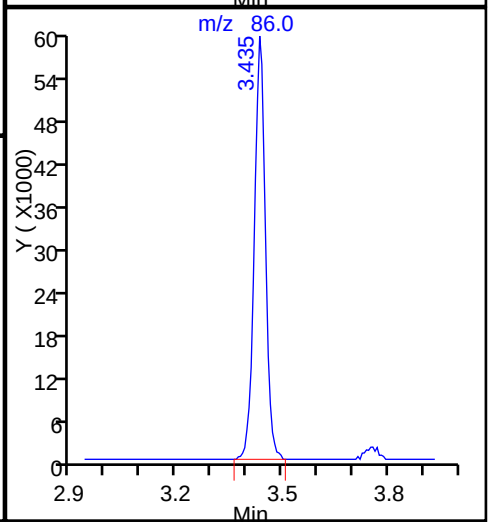


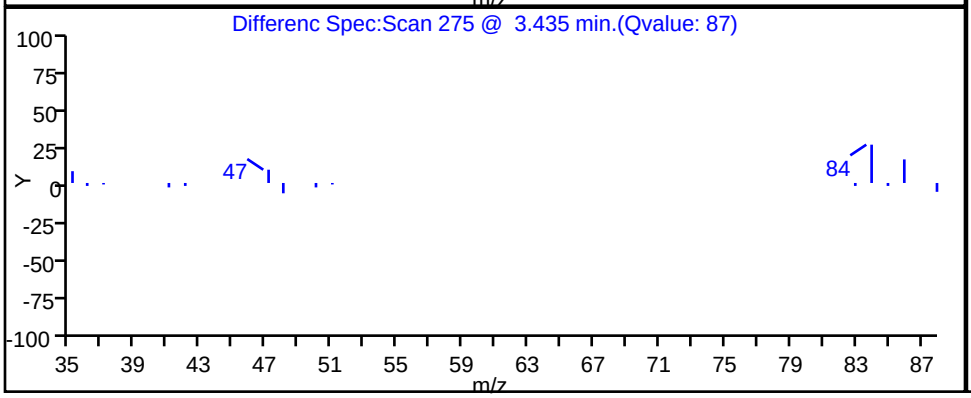








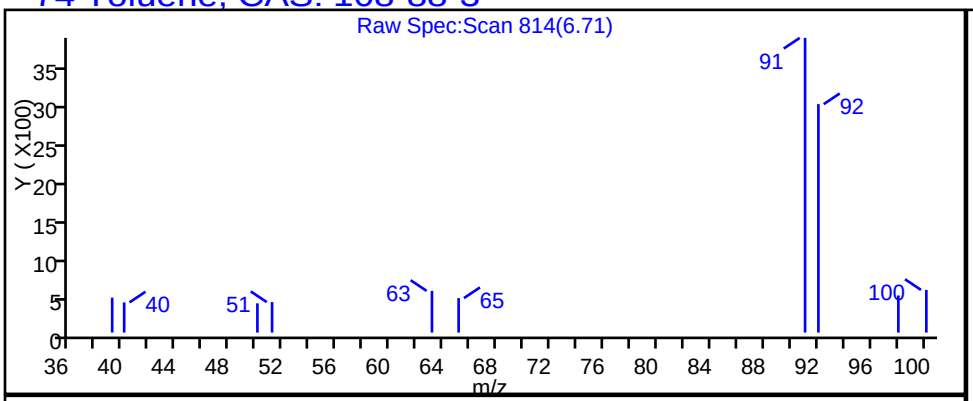


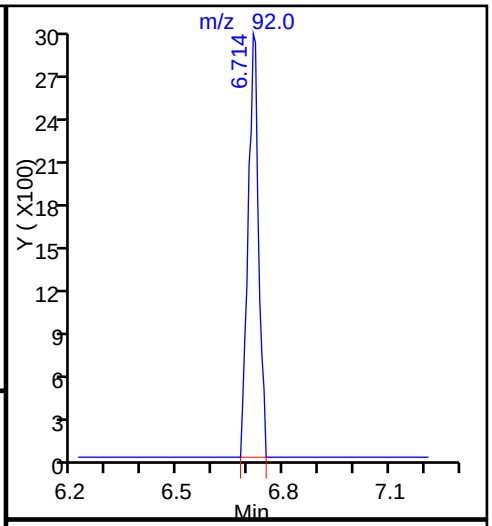


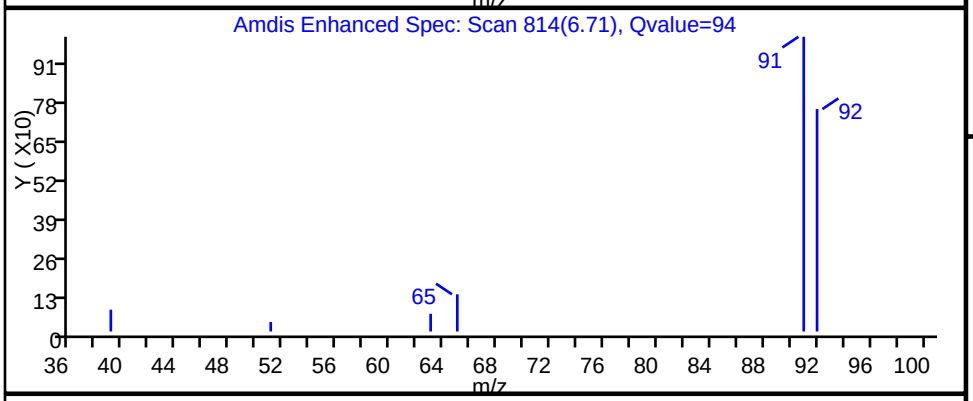
TestAmerica Buffalo

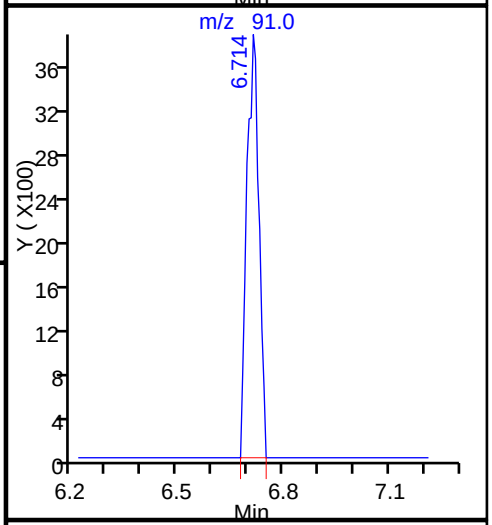
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7213.D				
Injection Date:	14-Jun-2016 15:59:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-42-B	Lab Sample ID:	480-101258-42		
Client ID:	B115-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

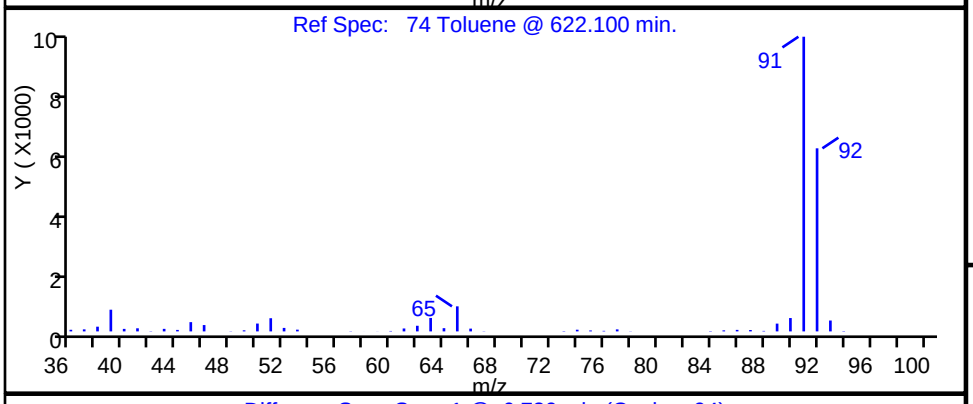
74 Toluene, CAS: 108-88-3

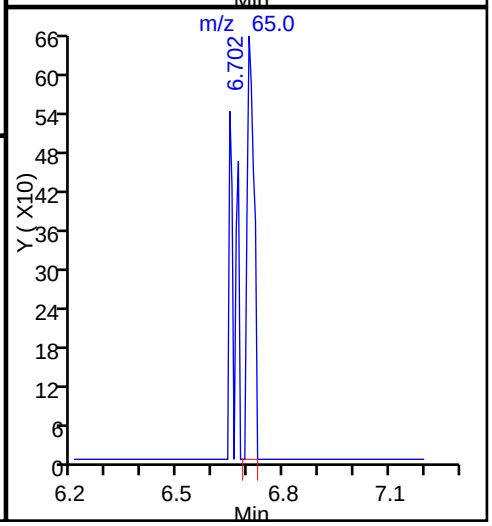


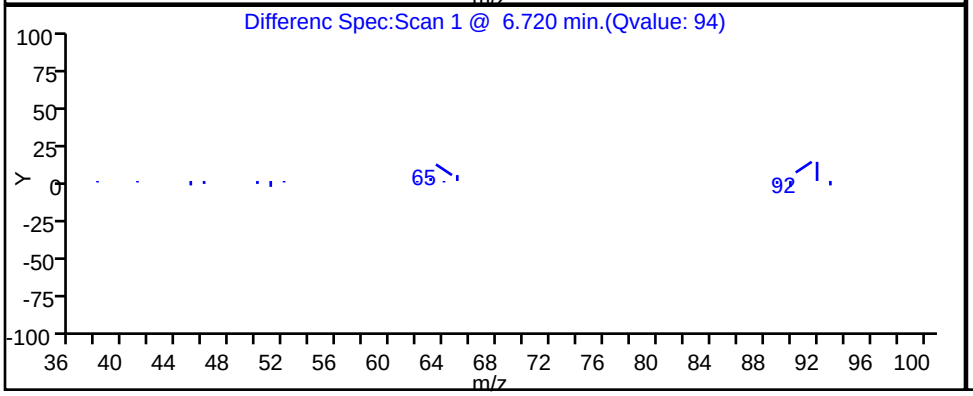












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B-AREA2-DUP5 | Lab Sample ID: 480-101258-43

Matrix: Solid | Lab File ID: F7214.D

Analysis Method: 8260C | Date Collected: 06/07/2016 14:00

Sample wt/vol: 5.11(g) | Date Analyzed: 06/14/2016 16:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 5.6 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*	5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.67
75-34-3	1,1-Dichloroethane	6.6	*	5.2	0.63
75-35-4	1,1-Dichloroethene	ND	*	5.2	0.63
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND	*	5.2	0.26
78-87-5	1,2-Dichloropropane	ND	*	5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND	*	26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	23	J *	26	4.4
71-43-2	Benzene	ND	*	5.2	0.25
75-27-4	Bromodichloromethane	ND	*	5.2	0.69
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND	*	5.2	0.47
75-15-0	Carbon disulfide	ND	*	5.2	2.6
56-23-5	Carbon tetrachloride	ND	*	5.2	0.50
108-90-7	Chlorobenzene	ND	*	5.2	0.68
75-00-3	Chloroethane	ND	*	5.2	1.2
67-66-3	Chloroform	1.6	J *	5.2	0.32
74-87-3	Chloromethane	ND	*	5.2	0.31
156-59-2	cis-1,2-Dichloroethene	4.5	J *	5.2	0.66
10061-01-5	cis-1,3-Dichloropropene	ND	*	5.2	0.75
110-82-7	Cyclohexane	ND	*	5.2	0.73
124-48-1	Dibromochloromethane	ND	*	5.2	0.66
75-71-8	Dichlorodifluoromethane	ND	*	5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: B-AREA2-DUP5 | Lab Sample ID: 480-101258-43

Matrix: Solid | Lab File ID: F7214.D

Analysis Method: 8260C | Date Collected: 06/07/2016 14:00

Sample wt/vol: 5.11(g) | Date Analyzed: 06/14/2016 16:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 5.6 | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	*	5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND	*	5.2	0.51
108-87-2	Methylcyclohexane	ND	*	5.2	0.79
75-09-2	Methylene Chloride	120	*	5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	ND	*	5.2	0.70
108-88-3	Toluene	ND	*	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND	*	5.2	0.53
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	3.4	J *	5.2	1.1
75-69-4	Trichlorofluoromethane	ND	*	5.2	0.49
75-01-4	Vinyl chloride	ND	*	5.2	0.63
1330-20-7	Xylenes, Total	ND		10	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104	*	64-126
460-00-4	4-Bromofluorobenzene (Surr)	40	X *	72-126
2037-26-5	Toluene-d8 (Surr)	141	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D
Lims ID: 480-101258-A-43-B
Client ID: B-AREA2-DUP5
Sample Type: Client
Inject. Date: 14-Jun-2016 16:25:30 ALS Bottle#: 10 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-43-B
Misc. Info.: 480-0054020-016
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:39:35 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:40:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	63054	50.0	s
* 2 Chlorobenzene-d5	82	8.089	8.083	0.006	88	61055	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	22649	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	47525	52.2	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	185877	70.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.318	9.312	0.006	85	17193	20.2	
10 Dichlorodifluoromethane	85		1.847				ND	
12 Chloromethane	50		2.006				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.644				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	97	13717	22.6	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	86	207287	115.4	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63	3.946	3.940	0.006	95	19301	6.33	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.390	4.384	0.006	78	8501	4.34	
50 Chloroform	83	4.628	4.622	0.006	85	5220	1.57	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.895				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95	5.583	5.583	0.000	84	6228	3.32	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.045				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.231				ND	
80 2-Hexanone	43		7.310				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.120				ND	
88 Ethylbenzene	91		8.180				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.476				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

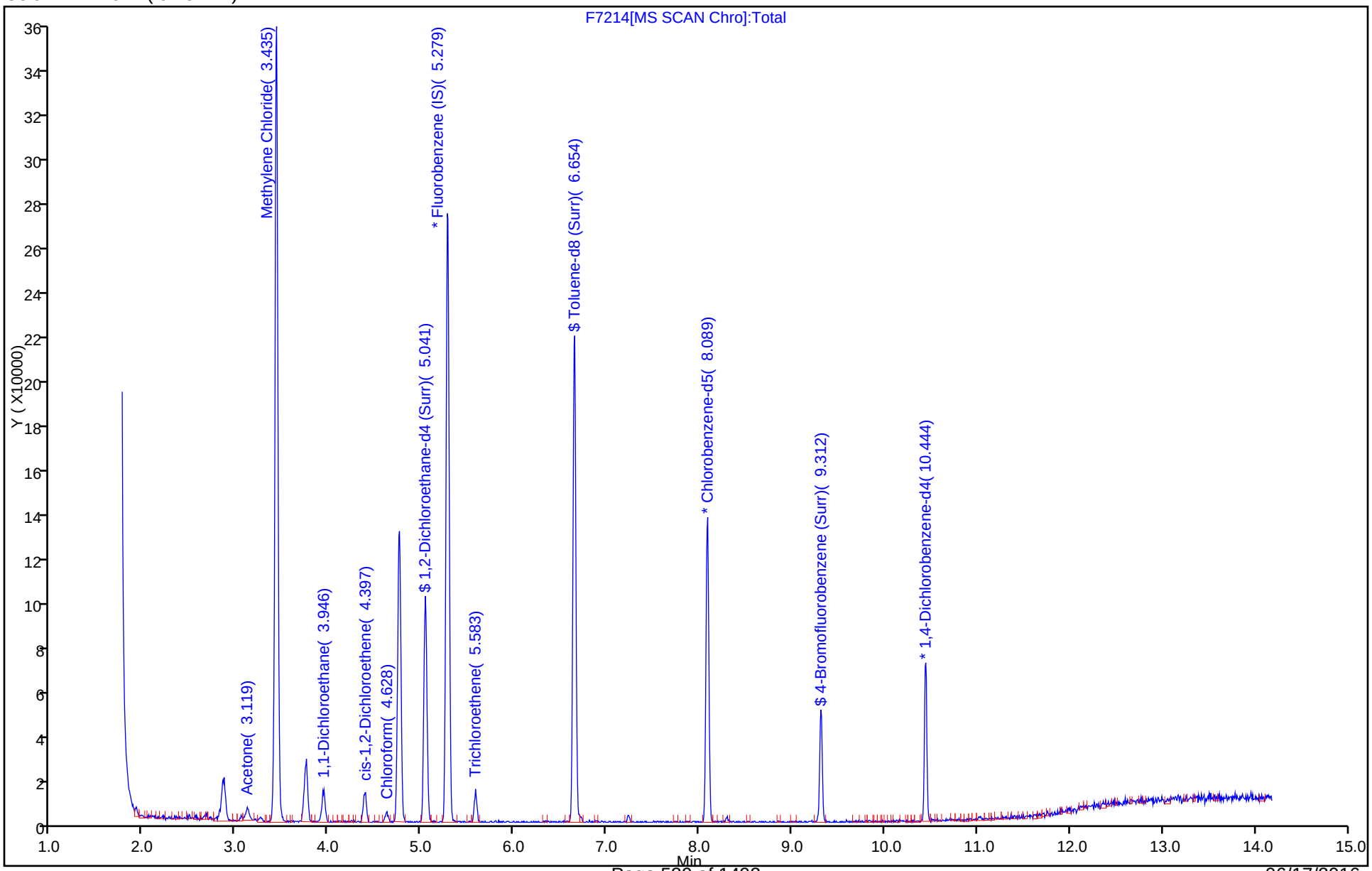
Report Date: 14-Jun-2016 19:40:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D

Injection Date:	14-Jun-2016 16:25:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101258-A-43-B	Lab Sample ID:	480-101258-43	Worklist Smp#:	16
Client ID:	B-AREA2-DUP5				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D
Lims ID: 480-101258-A-43-B
Client ID: B-AREA2-DUP5
Sample Type: Client
Inject. Date: 14-Jun-2016 16:25:30 ALS Bottle#: 10 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101258-A-43-B
Misc. Info.: 480-0054020-016
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:39:35 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: diasn Date: 14-Jun-2016 19:40:46

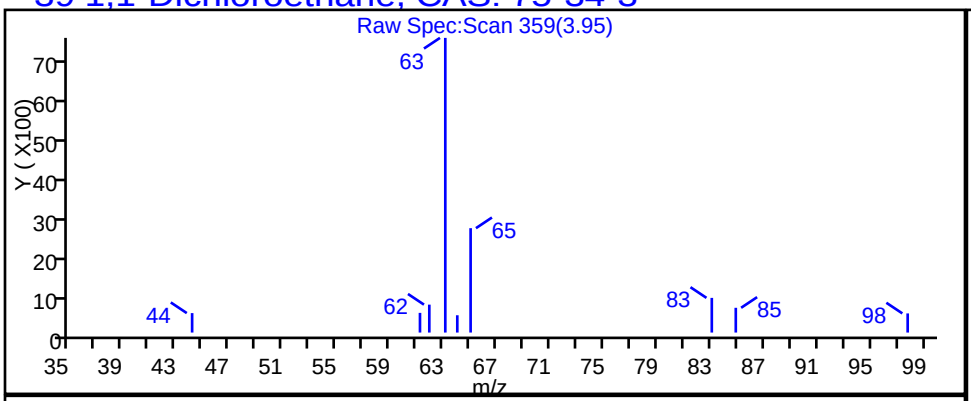
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.2	104.36
$ 5 Toluene-d8 (Surr)	50.0	70.4	140.84
$ 6 4-Bromofluorobenzene (Surr)	50.0	20.2	40.48

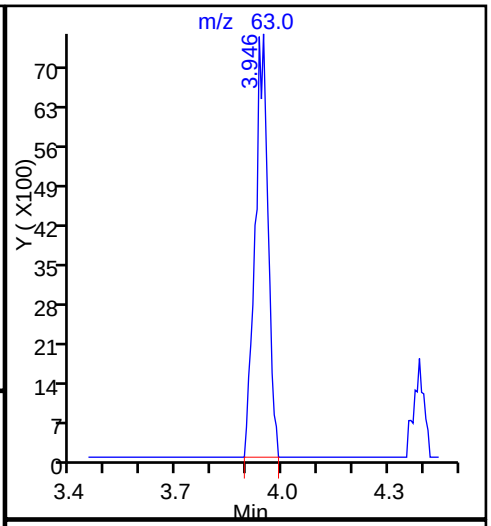
TestAmerica Buffalo

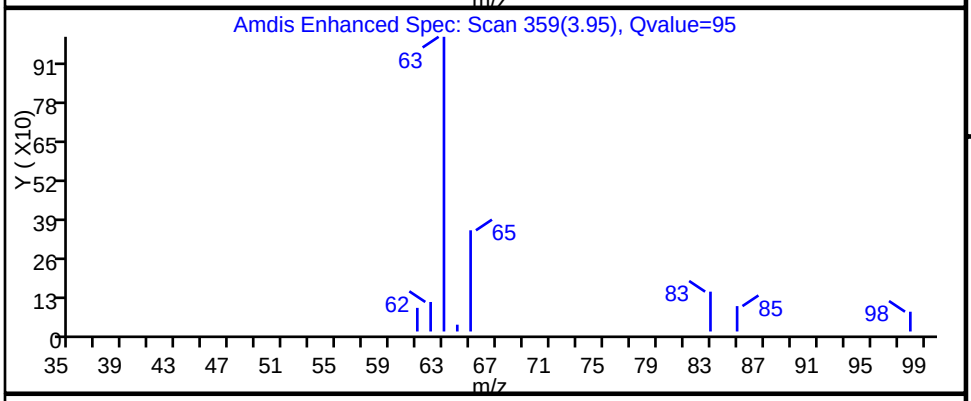
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D

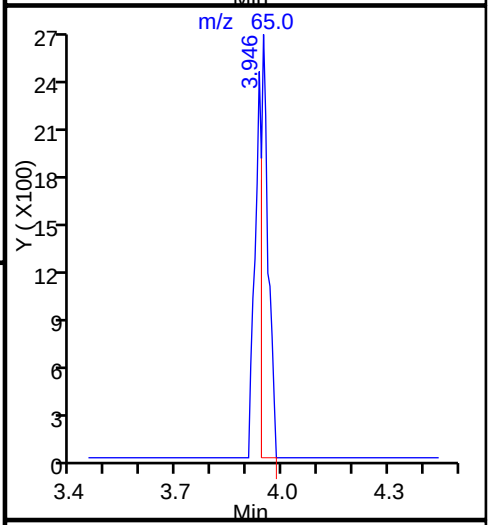
Injection Date:	14-Jun-2016 16:25:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-43-B	Lab Sample ID:	480-101258-43
Client ID:	B-AREA2-DUP5		
Operator ID:	CDC	ALS Bottle#:	10 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

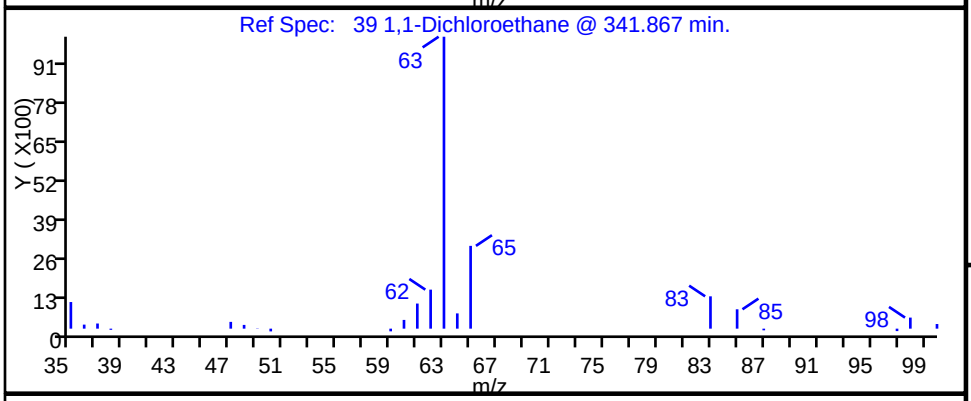
39 1,1-Dichloroethane, CAS: 75-34-3

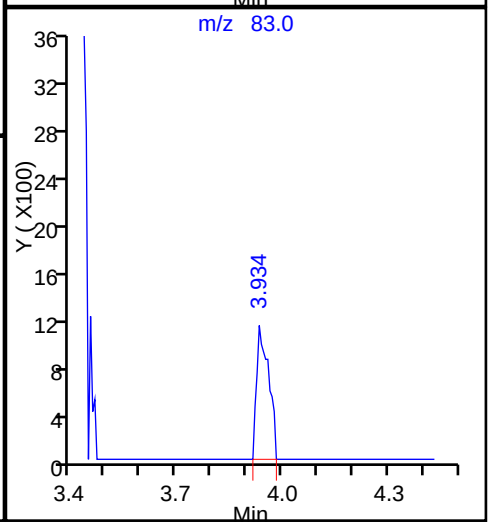


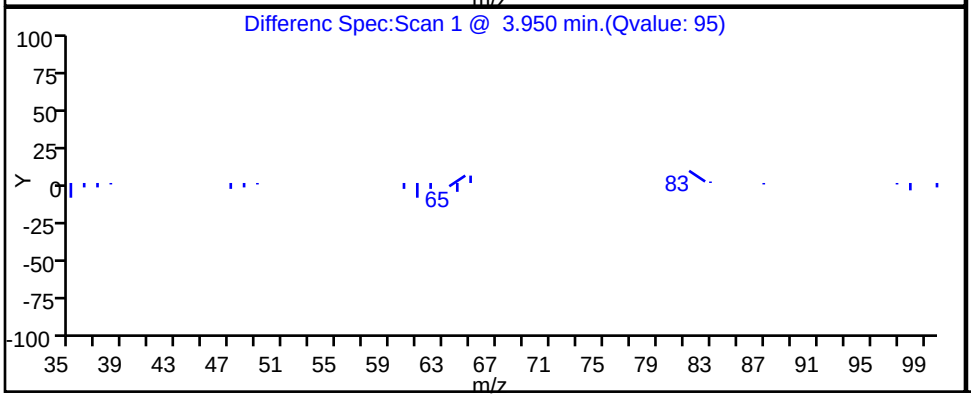










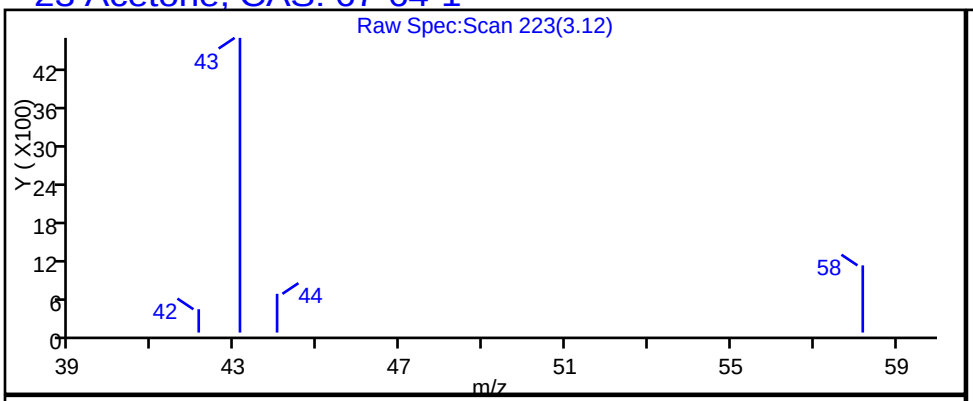


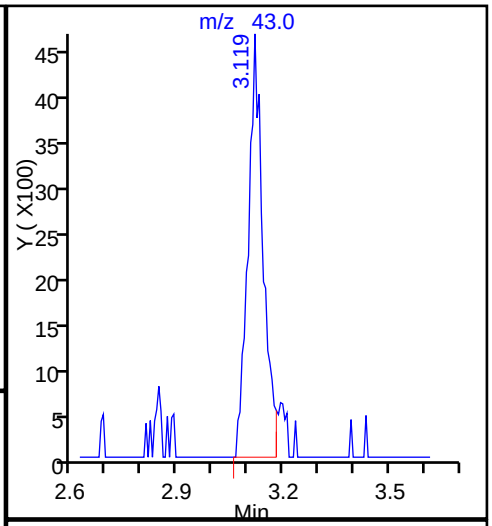
TestAmerica Buffalo

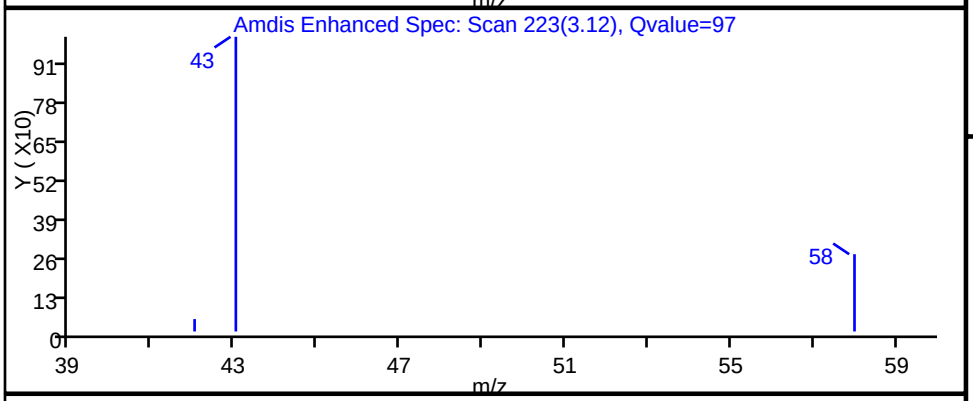
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D

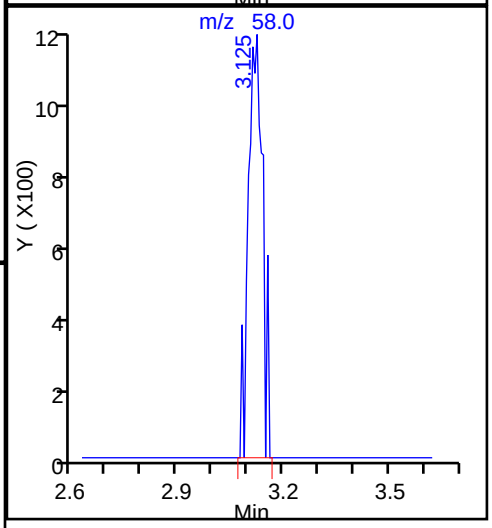
Injection Date:	14-Jun-2016 16:25:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-43-B	Lab Sample ID:	480-101258-43		
Client ID:	B-AREA2-DUP5				
Operator ID:	CDC	ALS Bottle#:	10	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

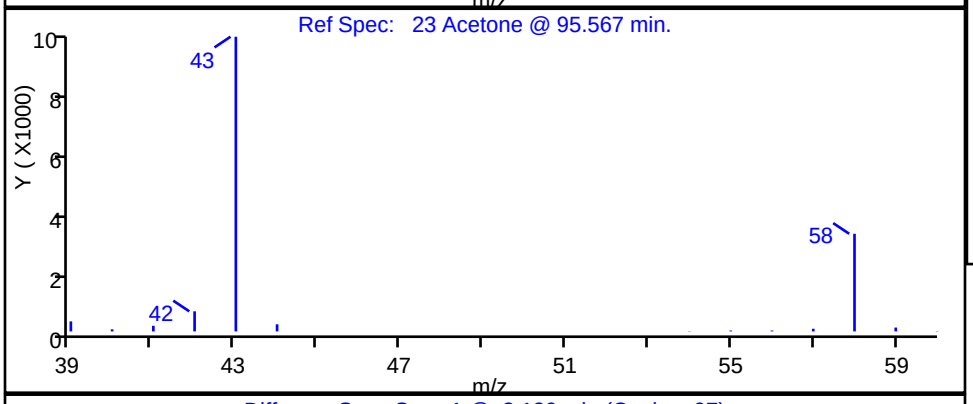
23 Acetone, CAS: 67-64-1

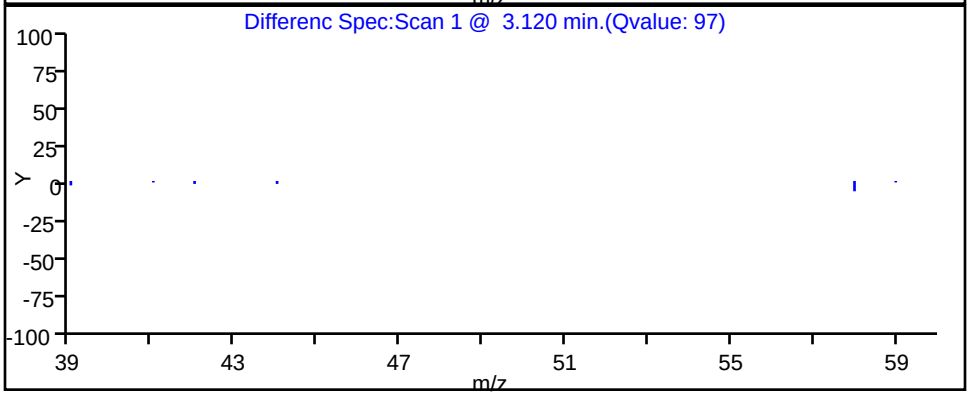








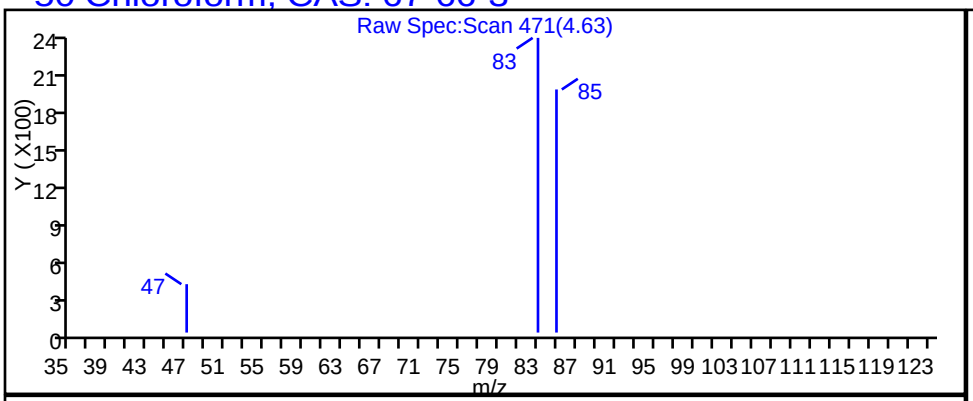


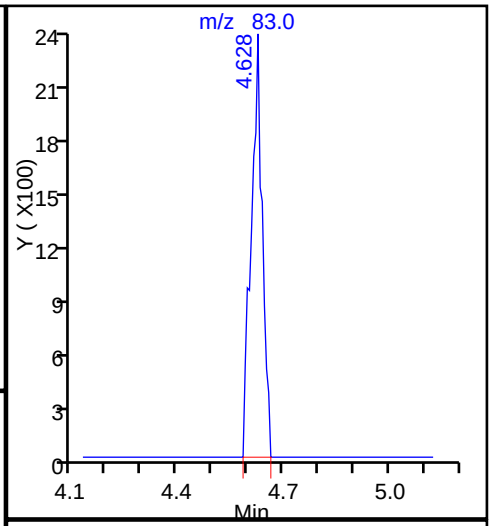


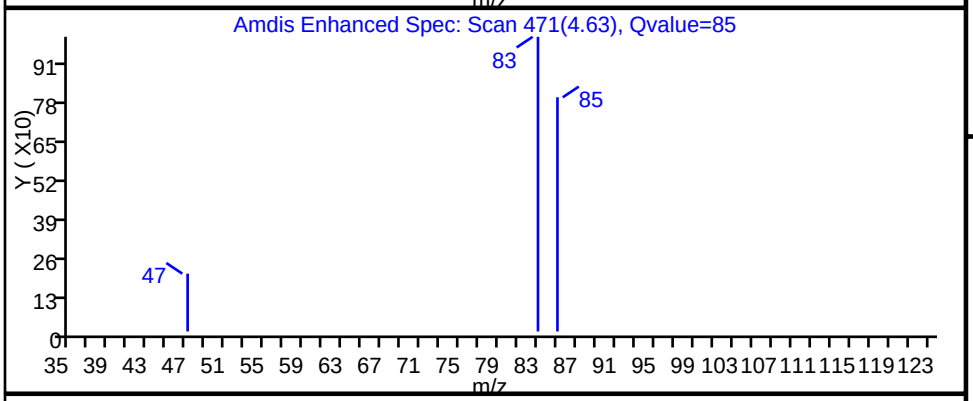
TestAmerica Buffalo

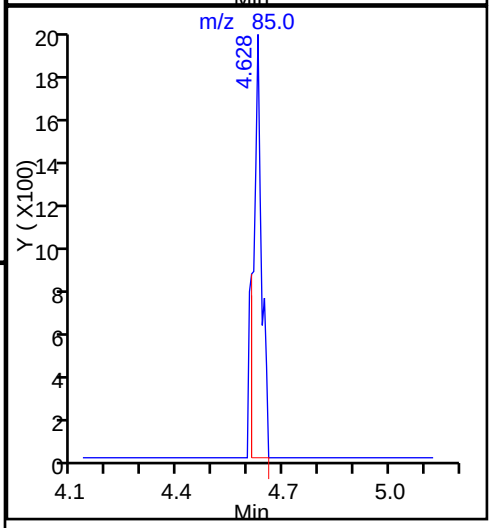
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D				
Injection Date:	14-Jun-2016 16:25:30	Instrument ID:	HP5973F		
Lims ID:	480-101258-A-43-B	Lab Sample ID:	480-101258-43		
Client ID:	B-AREA2-DUP5				
Operator ID:	CDC	ALS Bottle#:	10	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

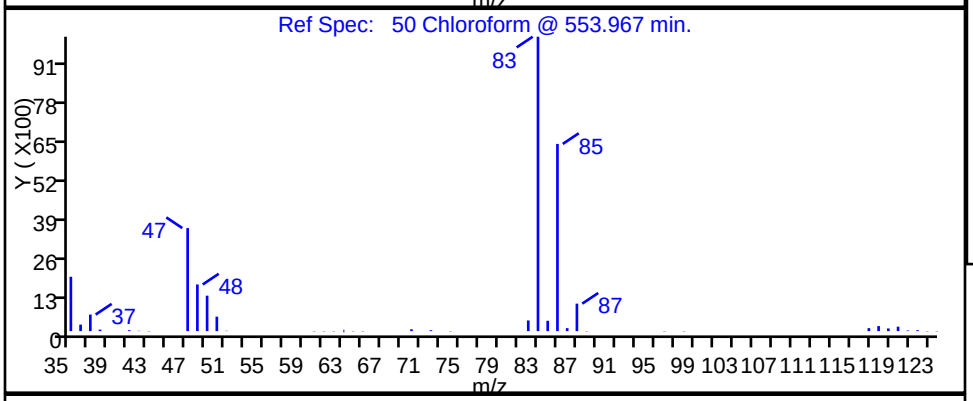
50 Chloroform, CAS: 67-66-3

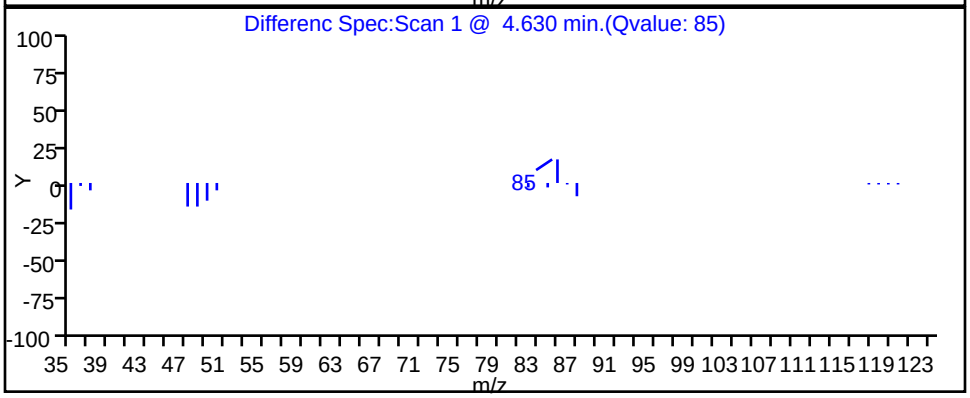










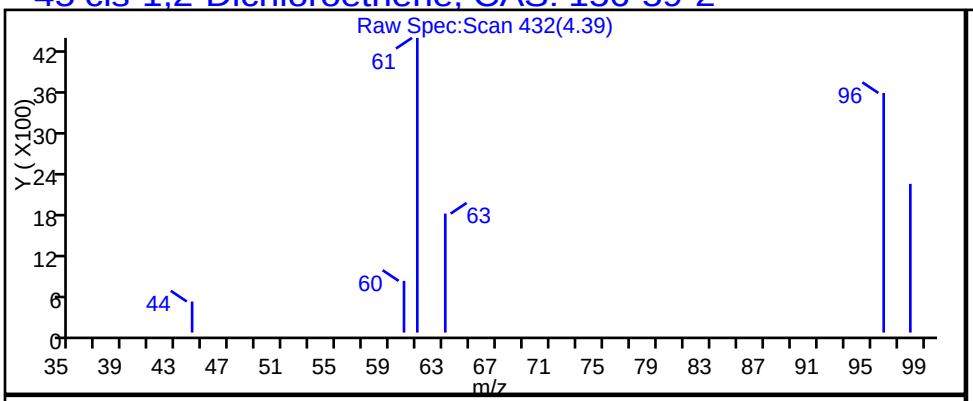


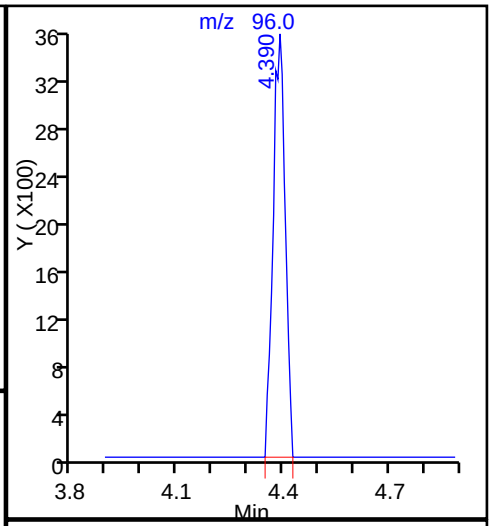
TestAmerica Buffalo

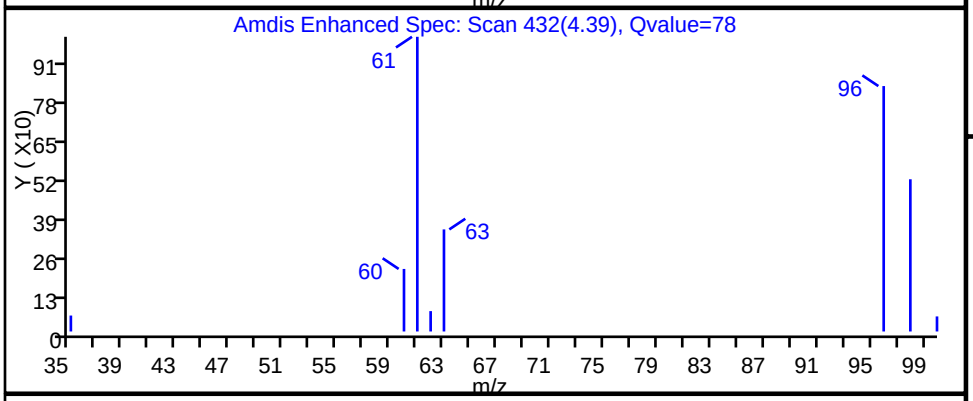
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D

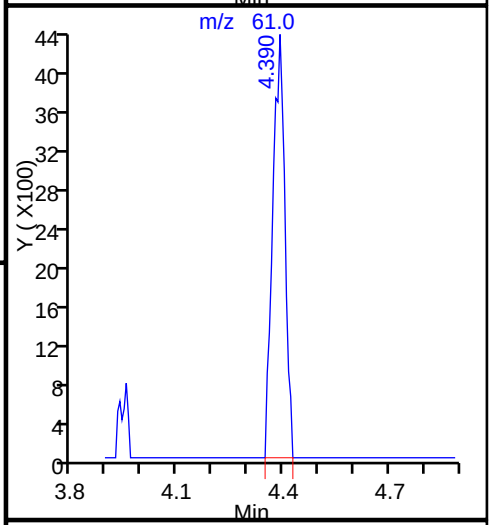
Injection Date:	14-Jun-2016 16:25:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-43-B	Lab Sample ID:	480-101258-43
Client ID:	B-AREA2-DUP5		
Operator ID:	CDC	ALS Bottle#:	10 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

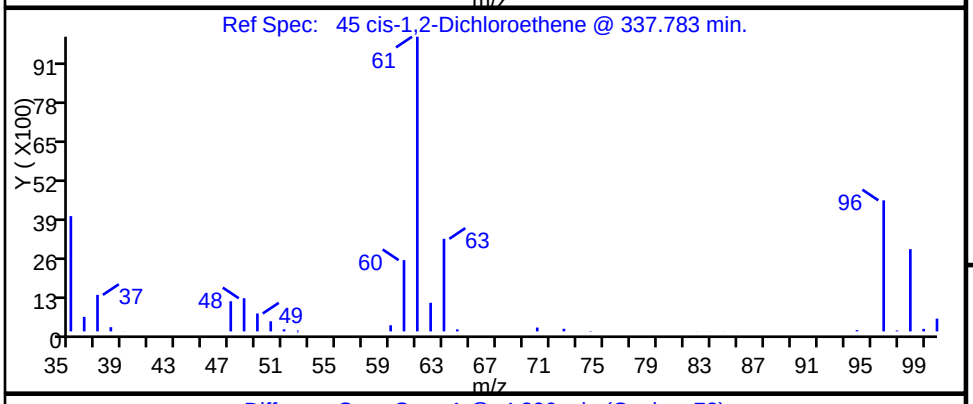
45 cis-1,2-Dichloroethene, CAS: 156-59-2

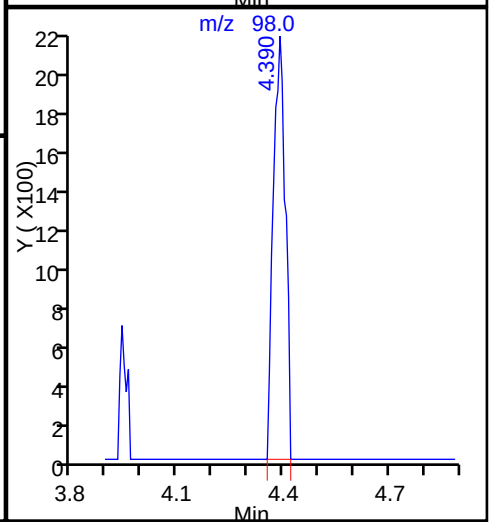


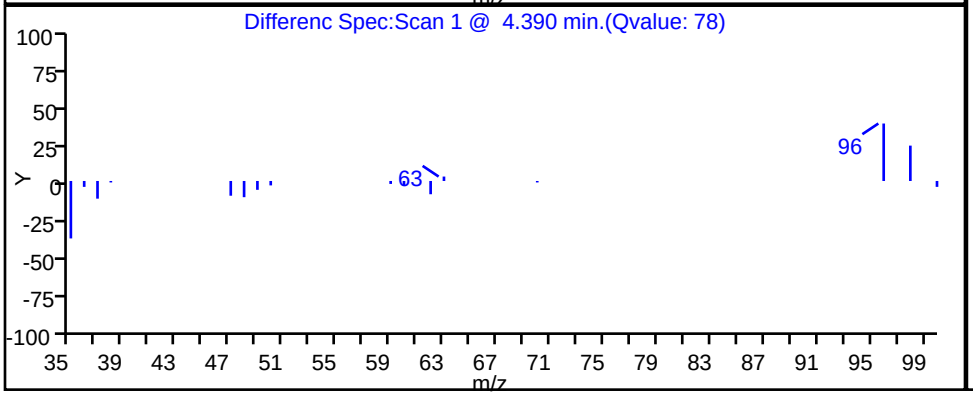












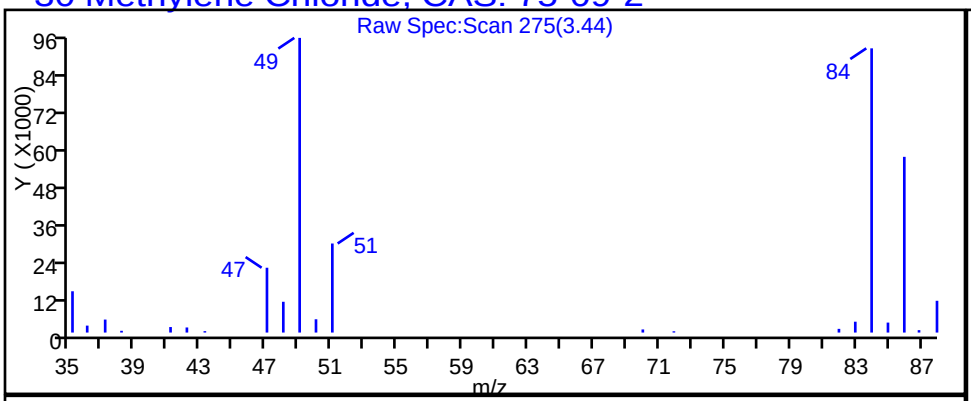
Report Date: 14-Jun-2016 19:40:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

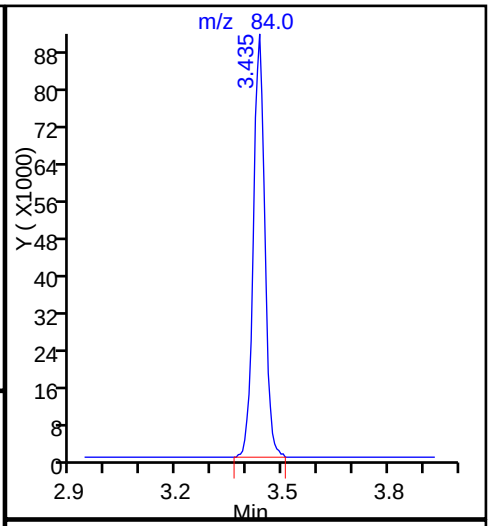
TestAmerica Buffalo

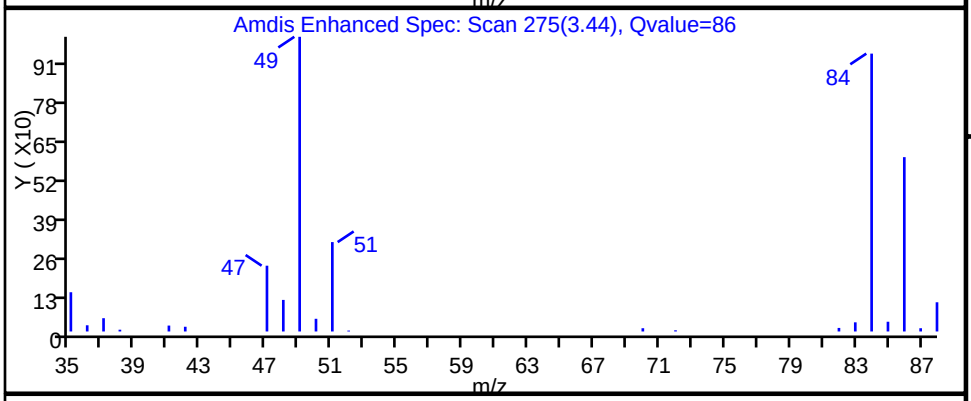
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D

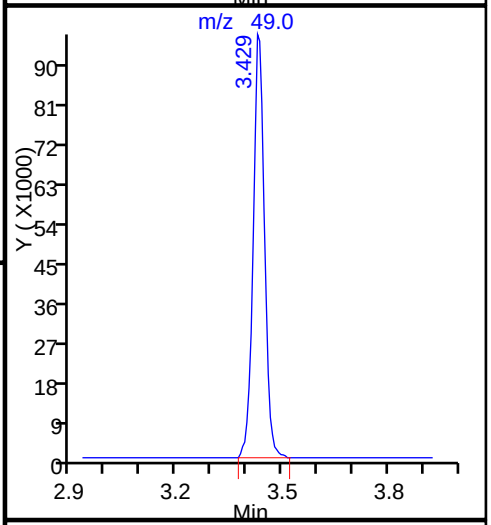
Injection Date:	14-Jun-2016 16:25:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-43-B	Lab Sample ID:	480-101258-43
Client ID:	B-AREA2-DUP5		
Operator ID:	CDC	ALS Bottle#:	10 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

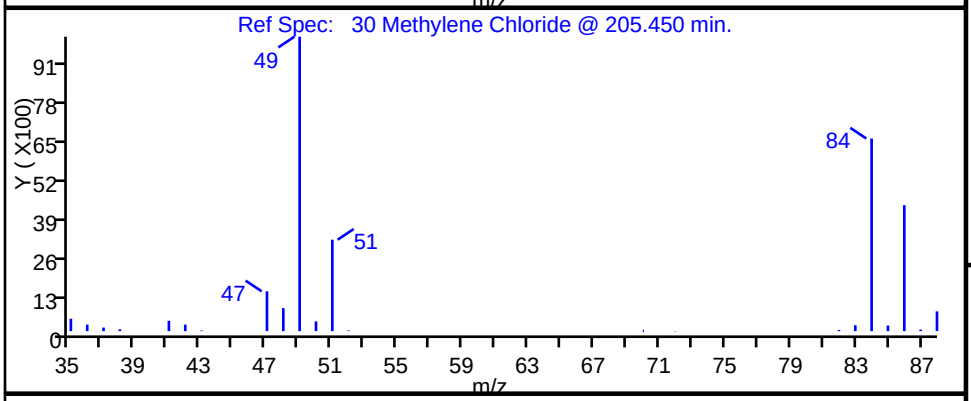
30 Methylene Chloride, CAS: 75-09-2

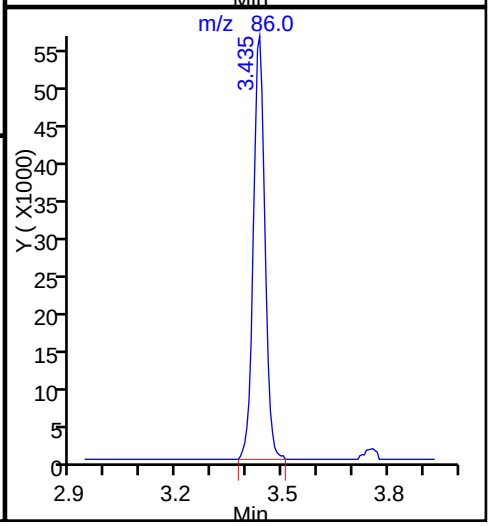


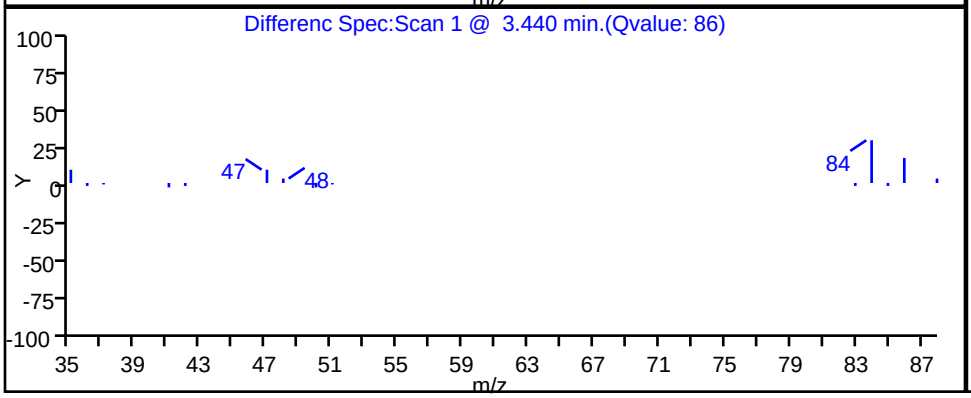










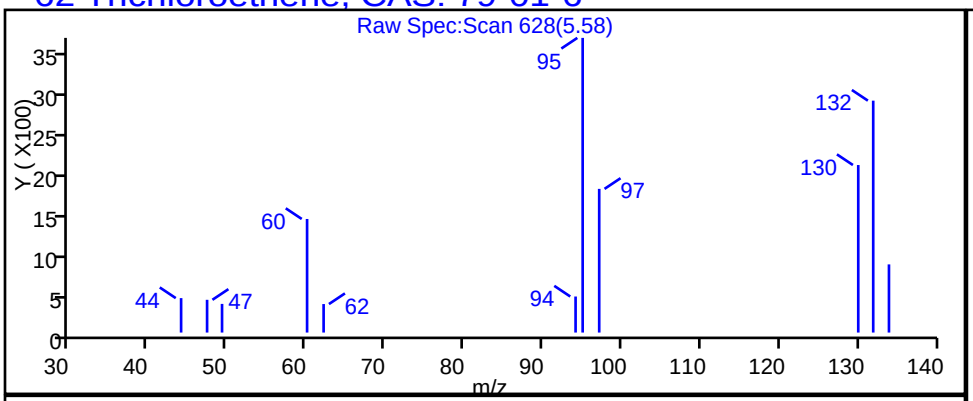


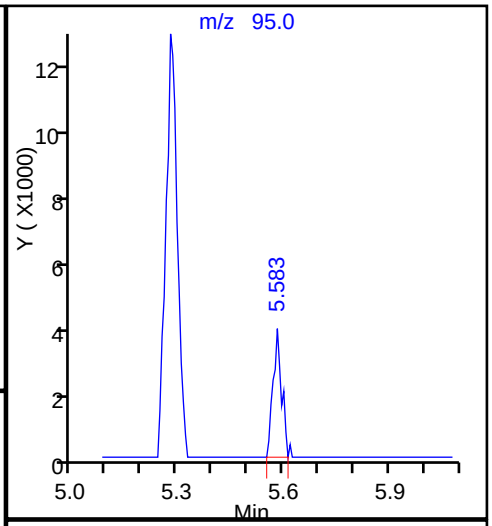
TestAmerica Buffalo

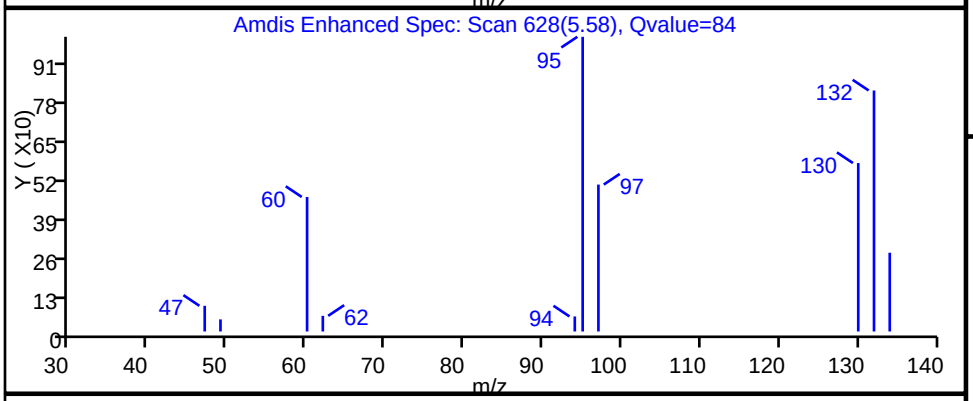
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7214.D

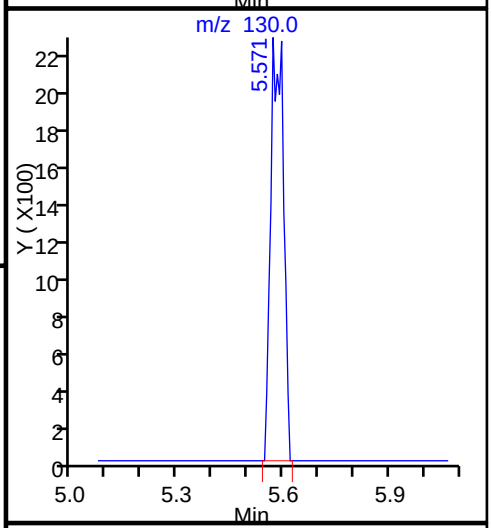
Injection Date:	14-Jun-2016 16:25:30	Instrument ID:	HP5973F
Lims ID:	480-101258-A-43-B	Lab Sample ID:	480-101258-43
Client ID:	B-AREA2-DUP5		
Operator ID:	CDC	ALS Bottle#:	10 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

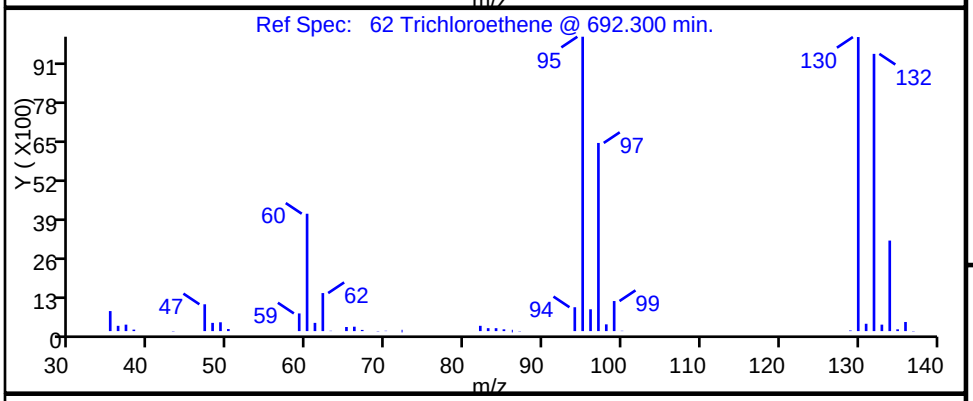
62 Trichloroethene, CAS: 79-01-6

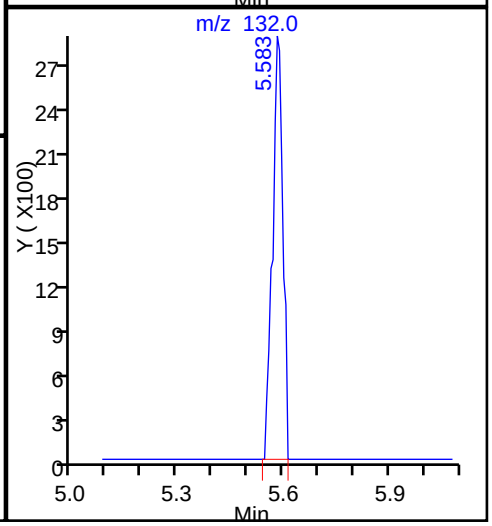


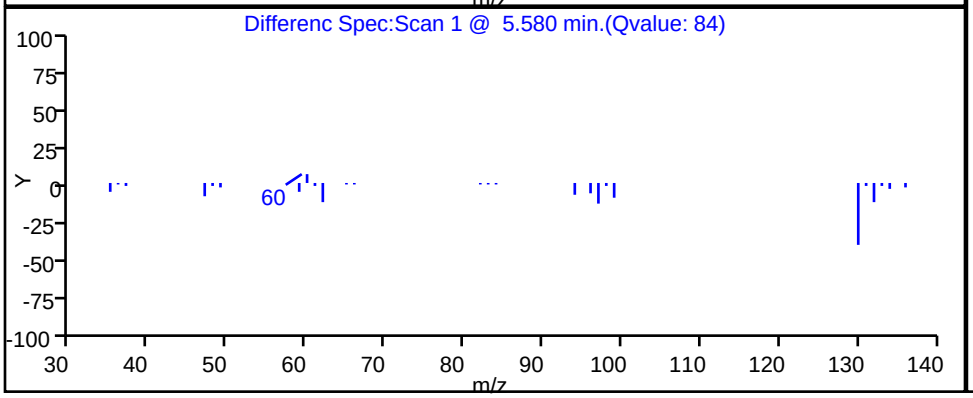












FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-305628/5	F7022.D
Level 2	IC 480-305628/6	F7023.D
Level 3	IC 480-305628/7	F7024.D
Level 4	IC 480-305628/8	F7025.D
Level 5	ICIS 480-305628/9	F7026.D
Level 6	IC 480-305628/10	F7027.D
Level 7	IC 480-305628/11	F7028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7396 1.5232	1.6580 1.3372	1.5837	1.5467	1.5587	Ave		1.5639			0.1000	8.0		20.0			
Chloromethane	1.1619 1.0294	1.0346 0.8762	1.1002	1.0809	1.0381	Ave		1.0459			0.1000	8.5		20.0			
Vinyl chloride	1.1728 1.0547	1.0627 0.8982	1.1237	1.1033	1.0774	Ave		1.0704			0.1000	8.0		20.0			
Butadiene	1.0873 0.9572	0.9586 0.8419	1.0181	0.9947	0.9583	Ave		0.9737				7.7		20.0			
Bromomethane	0.9596 0.7890	0.7861 0.7128	0.8009	0.8175	0.8136	Ave		0.8114			0.1000	9.1		20.0			
Chloroethane	0.5802 0.6257	0.6096 0.5484	0.6033	0.6304	0.6257	Ave		0.6033			0.1000	4.9		20.0			
Dichlorofluoromethane	1.9534 1.8770	1.8869 1.6179	1.9156	1.9081	1.9017	Ave		1.8658				6.0		20.0			
Trichlorofluoromethane	2.1873 2.0040	1.9428 1.7677	2.1028	2.0466	2.0398	Ave		2.0130			0.1000	6.6		20.0			
Ethyl ether	0.8792 0.9408	0.8370 0.8378	0.7913	0.8961	0.9010	Ave		0.8690				5.8		20.0			
Acrolein	0.2450 0.2009	0.2088 0.1868	0.2118	0.2262	0.2015	Ave		0.2116				9.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3849 1.2715	1.2390 1.1455	1.2952	1.3083	1.2915	Ave		1.2765			0.1000	5.7		20.0			
1,1-Dichloroethene	1.2855 1.2337	1.2408 1.1258	1.2358	1.2790	1.2413	Ave		1.2346			0.1000	4.2		20.0			
Acetone	0.5799 0.4102	0.4106 0.3940	0.4105	0.4635	0.4177	Lin1	1.8203	0.4001			0.1000				0.9980		0.9900
Iodomethane	2.4456 2.2700	2.2701 2.0955	2.3429	2.3877	2.2878	Ave		2.2999				4.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.9566 4.2980	4.5515 3.8468	4.6357	4.6449	4.5353	Ave		4.4955			0.1000	7.7		20.0			
Methyl acetate	0.8848 0.8103	0.8188 0.7165	0.8534	0.9219	0.8223	Ave		0.8326			0.1000	7.8		20.0			
Allyl chloride	1.8400 1.8080	1.9900 1.6437	1.9305	1.9451	1.8860	Ave		1.8633				6.2		20.0			
Methylene Chloride	3.4199 1.4732	2.4752 1.3550	1.8858	1.7913	1.5641	Lin1	5.5110	1.3769			0.1000				0.9980		0.9900
2-Methyl-2-propanol	0.1663 0.1450	0.1457 0.1463	0.1303	0.1473	0.1303	Ave		0.1444				8.4		20.0			
Methyl tert-butyl ether	4.7368 4.3601	4.3545 3.9620	4.4987	4.7209	4.4033	Ave		4.4338			0.1000	5.9		20.0			
trans-1,2-Dichloroethene	1.5012 1.3707	1.4855 1.2510	1.4648	1.4744	1.4127	Ave		1.4229			0.1000	6.2		20.0			
Acrylonitrile	0.4642 0.4004	0.4232 0.3535	0.4283	0.4587	0.4019	Ave		0.4186				9.1		20.0			
Hexane	3.4622 1.9980	2.8061 1.8497	2.3779	2.3207	2.1461	Lin1	4.6349	1.9032							0.9970		0.9900
Vinyl acetate	2.5813 2.3787	2.4641 2.1282	2.4468	2.6425	2.4579	Ave		2.4428				6.7		20.0			
1,1-Dichloroethane	2.6828 2.2953	2.5132 2.1142	2.4480	2.4947	2.3717	Ave		2.4171			0.2000	7.5		20.0			
2,2-Dichloropropane	2.6185 2.2979	2.2968 2.0953	2.3755	2.4079	2.3479	Ave		2.3485				6.7		20.0			
2-Butanone (MEK)	0.5891 0.5480	0.5072 0.5004	0.5407	0.6129	0.5487	Ave		0.5496			0.1000	7.4		20.0			
cis-1,2-Dichloroethene	1.6727 1.4947	1.5971 1.3752	1.5646	1.6197	1.5411	Ave		1.5521			0.1000	6.2		20.0			
Chlorobromomethane	0.6992 0.6977	0.6899 0.6655	0.6909	0.7423	0.7042	Ave		0.6985				3.3		20.0			
Tetrahydrofuran	0.3812 0.3568	0.3622 0.3305	0.3341	0.3862	0.3485	Ave		0.3571				6.0		20.0			
Chloroform	2.8961 2.5449	2.6676 2.3830	2.6630	2.7042	2.6003	Ave		2.6370			0.2000	5.9		20.0			
1,1,1-Trichloroethane	2.5052 2.2890	2.3074 2.1326	2.3274	2.3735	2.3393	Ave		2.3249			0.1000	4.8		20.0			
Cyclohexane	2.4672 2.1310	2.2832 1.9105	2.2990	2.3332	2.1970	Ave		2.2316			0.1000	7.9		20.0			
1,1-Dichloropropene	2.2135 2.0020	2.1359 1.8488	2.1531	2.1465	2.0642	Ave		2.0806				5.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	2.0417 1.9886	1.9397 1.8791	2.0035	2.0109	2.0149	Ave		1.9826			0.1000	2.8		20.0			
Isobutyl alcohol	0.0673 0.0518	0.0512 0.0522	0.0427	0.0516	0.0463	Ave		0.0519				14.8		20.0			
Benzene	6.0755 5.3116	5.8835 4.6272	5.7133	5.8107	5.5746	Ave		5.5709			0.5000	8.6		20.0			
1,2-Dichloroethane	2.1320 1.9621	2.0406 1.8734	2.0760	2.1459	1.9960	Ave		2.0323			0.1000	4.8		20.0			
n-Heptane	2.3251 1.8909	2.3098 1.7380	2.0987	2.0363	1.9823	Ave		2.0544				10.4		20.0			
Trichloroethene	1.5414 1.4625	1.4582 1.3751	1.5265	1.5579	1.4900	Ave		1.4874			0.2000	4.2		20.0			
Methylcyclohexane	2.8978 2.5249	2.6051 2.2880	2.6747	2.6707	2.6472	Ave		2.6155			0.1000	7.0		20.0			
1,2-Dichloropropane	1.2886 1.1981	1.3217 1.1477	1.2593	1.3048	1.2313	Ave		1.2502			0.1000	5.0		20.0			
1,4-Dioxane	+++++ 0.0047	0.0039 0.0050	0.0041	0.0042	0.0044	Ave		0.0044				8.9		20.0			
Dibromomethane	0.8697 0.8495	0.8540 0.8231	0.8498	0.9039	0.8629	Ave		0.8590			0.1000	2.9		20.0			
Bromodichloromethane	1.9082 1.9635	1.8245 1.8971	1.9423	2.0219	1.9365	Ave		1.9277			0.2000	3.2		20.0			
2-Chloroethyl vinyl ether	0.7021 0.6898	0.6629 0.6806	0.6749	0.7266	0.6735	Ave		0.6872				3.1		20.0			
cis-1,3-Dichloropropene	2.4166 2.3710	2.3863 2.2601	2.3811	2.4977	2.4000	Ave		2.3876			0.2000	2.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.6194 0.5287	0.5460 0.4426	0.5483	0.6029	0.5379	Ave		0.5465			0.1000	10.5		20.0			
Toluene	1.8927 1.6795	1.8090 1.5075	1.7400	1.7763	1.7289	Ave		1.7334			0.4000	6.9		20.0			
trans-1,3-Dichloropropene	1.0694 1.0726	1.0294 1.0134	1.0250	1.1027	1.0856	Ave		1.0569			0.1000	3.2		20.0			
Ethyl methacrylate	0.8601 0.8762	0.8367 0.8030	0.8615	0.9213	0.8765	Ave		0.8622				4.3		20.0			
1,1,2-Trichloroethane	0.5241 0.4850	0.4921 0.4596	0.4779	0.5179	0.4922	Ave		0.4927			0.1000	4.5		20.0			
Tetrachloroethene	0.8176 0.7326	0.7618 0.6884	0.7353	0.7688	0.7507	Ave		0.7507			0.2000	5.3		20.0			
1,3-Dichloropropane	1.1171 1.0036	1.0547 0.9348	1.0444	1.0868	1.0239	Ave		1.0379				5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4548 0.4009	0.4266 0.3436	0.4119	0.4536	0.4031	Ave		0.4135			0.1000	9.2		20.0			
Dibromochloromethane	0.6078 0.6884	0.5870 0.6720	0.6143	0.6563	0.6711	Ave		0.6424			0.1000	6.0		20.0			
1,2-Dibromoethane	0.6089 0.6089	0.5788 0.5838	0.6017	0.6331	0.5951	Ave		0.6015				3.0		20.0			
Chlorobenzene	2.0313 1.7738	1.9099 1.5997	1.8481	1.9076	1.8220	Ave		1.8418			0.5000	7.3		20.0			
Ethylbenzene	3.6402 3.0438	3.5069 2.5101	3.3272	3.4023	3.2257	Ave		3.2366			0.1000	11.5		20.0			
1,1,1,2-Tetrachloroethane	0.6388 0.6921	0.6336 0.6429	0.6609	0.6921	0.6816	Ave		0.6632				3.8		20.0			
m,p-Xylene	1.3646 1.2208	1.3001 1.1149	1.2778	1.3025	1.2419	Ave		1.2604			0.1000	6.3		20.0			
o-Xylene	1.2951 1.1830	1.2699 1.0652	1.2422	1.2567	1.2190	Ave		1.2187			0.3000	6.3		20.0			
Styrene	2.2507 2.0173	2.1480 1.7720	2.1127	2.1810	2.0653	Ave		2.0781			0.3000	7.5		20.0			
Bromoform	0.3785 0.4398	0.3532 0.4353	0.3519	0.4023	0.4121	Ave		0.3962			0.1000	9.1		20.0			
Isopropylbenzene	3.7509 3.3395	3.7336 2.7664	3.5531	3.6266	3.4594	Ave		3.4614			0.1000	9.8		20.0			
1,1,2,2-Tetrachloroethane	0.8702 0.8481	0.8431 0.7785	0.8240	0.8993	0.8320	Ave		0.8422			0.3000	4.5		20.0			
Bromobenzene	0.9435 0.9014	0.9425 0.8502	0.9106	0.9564	0.9062	Ave		0.9158				3.9		20.0			
trans-1,4-Dichloro-2-butene	0.2690 0.2928	0.2710 0.2764	0.2799	0.3010	0.2858	Ave		0.2823				4.1		20.0			
N-Propylbenzene	4.7088 3.8430	4.4841 3.0157	4.3499	4.3685	4.1111	Ave		4.1259				13.6		20.0			
1,2,3-Trichloropropane	0.3013 0.2750	0.2526 0.2532	0.2572	0.2847	0.2688	Ave		0.2704				6.7		20.0			
2-Chlorotoluene	0.9040 0.7954	0.8424 0.7306	0.7947	0.8262	0.7827	Ave		0.8109				6.7		20.0			
1,3,5-Trimethylbenzene	3.2947 2.8902	3.1506 2.3895	3.0826	3.1606	2.9785	Ave		2.9924				9.9		20.0			
4-Chlorotoluene	0.9165 0.8330	0.8553 0.7745	0.8358	0.8769	0.8345	Ave		0.8467				5.2		20.0			
tert-Butylbenzene	0.6707 0.6594	0.6909 0.5978	0.6692	0.7118	0.6737	Ave		0.6676				5.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.3544 2.9136	3.2159 2.4074	3.1189	3.1637	3.0328	Ave		3.0295				10.1		20.0			
sec-Butylbenzene	4.2252 3.4729	4.0320 2.7378	3.8200	3.8698	3.7253	Ave		3.6976				13.1		20.0			
4-Isopropyltoluene	3.5371 3.0207	3.4532 2.4339	3.3202	3.3320	3.1702	Ave		3.1810				11.7		20.0			
1,3-Dichlorobenzene	1.8453 1.6994	1.8448 1.5265	1.7586	1.8120	1.7100	Ave		1.7424			0.6000	6.4		20.0			
1,4-Dichlorobenzene	1.9898 1.7141	1.8340 1.5418	1.7794	1.8233	1.7373	Ave		1.7742			0.5000	7.7		20.0			
n-Butylbenzene	3.1830 2.7821	3.1676 2.2662	3.0076	3.0794	2.9401	Ave		2.9180				10.9		20.0			
1,2-Dichlorobenzene	1.6863 1.6041	1.7069 1.4455	1.6490	1.6825	1.6167	Ave		1.6273			0.4000	5.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1693 0.1789	0.1560 0.1710	0.1456	0.1738	0.1653	Ave		0.1657			0.0500	6.9		20.0			
1,2,4-Trichlorobenzene	1.1597 1.0707	1.1227 0.9642	1.0754	1.1200	1.0631	Ave		1.0823			0.2000	5.8		20.0			
Hexachlorobutadiene	0.6642 0.6388	0.6646 0.5877	0.6395	0.6537	0.6373	Ave		0.6408				4.1		20.0			
Naphthalene	2.8021 2.5026	2.4826 2.1167	2.5647	2.6997	2.4716	Ave		2.5200				8.6		20.0			
1,2,3-Trichlorobenzene	1.0687 0.9910	0.9808 0.9074	0.9914	1.0375	0.9672	Ave		0.9920				5.2		20.0			
Dibromofluoromethane (Surr)	1.1492 1.1371	1.1326 1.1369	1.1574	1.1569	1.1484	Ave		1.1455				0.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7254 0.7195	0.7210 0.7118	0.7245	0.7325	0.7207	Ave		0.7222				0.9		20.0			
Toluene-d8 (Surr)	2.1774 2.1865	2.1705 2.1470	2.1422	2.1429	2.1651	Ave		2.1617				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.6892 0.7050	0.6989 0.6966	0.6850	0.6921	0.7031	Ave		0.6957				1.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-305628/5	F7022.D
Level 2	IC 480-305628/6	F7023.D
Level 3	IC 480-305628/7	F7024.D
Level 4	IC 480-305628/8	F7025.D
Level 5	ICIS 480-305628/9	F7026.D
Level 6	IC 480-305628/10	F7027.D
Level 7	IC 480-305628/11	F7028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	21524 760306	41684 1385199	77271	152105	383101	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	14376 513838	26012 907626	53681	106302	255152	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	14511 526428	26718 930403	54825	108506	264798	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	13453 477808	24101 872142	49676	97823	235540	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	11873 393828	19765 738384	39075	80396	199967	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	7179 312335	15326 568122	29434	61996	153773	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	24170 936907	47440 1675949	93468	187649	467398	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	27064 1000304	48846 1831113	102597	201273	501329	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	10878 469617	21044 867826	38609	88123	221444	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	15154 501293	26250 967633	51675	111221	247621	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	17136 634643	31151 1186556	63195	128663	317412	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	15905 615814	31197 1166228	60295	125781	305097	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Lin1	35877 1023716	51614 2040692	100135	227931	513275	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	30260 1133087	57074 2170729	114312	234813	562296	2.50 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	61328 2145343	114432 3984823	226184	456798	1114693	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	54736 2022286	102935 3710967	208187	453331	1010569	12.5 500	25.0 1000	50.0	100	250
Allyl chloride	FB	Ave	22767 902438	50033 1702734	94193	191292	463546	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Lin1	42315 735360	62231 1403573	92012	176162	384411	2.50 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	20574 723588	36620 1515959	63590	144836	320133	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	58609 2176358	109479 4104175	219498	464277	1082245	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	18575 684159	37348 1295871	71472	144997	347210	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	57430 1998802	106398 3662169	208982	451118	987684	25.0 1000	50.0 2000	100	200	500
Hexane	FB	Lin1	42838 997284	70550 1916123	116023	228228	527468	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	63877 2374646	123906 4409192	238764	519741	1208186	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	33195 1145708	63186 2190071	119440	245338	582917	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	32399 1146987	57745 2170444	115906	236800	577058	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	36445 1367650	63765 2592031	131899	301392	674277	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	20696 746079	40154 1424519	76338	159289	378766	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	8651 348274	17345 689413	33711	73005	173082	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	9433 356164	18211 684742	32601	75959	171330	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	35834 1270293	67069 2468562	129931	265942	639089	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	30997 1142540	58013 2209153	113559	233424	574943	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	30527 1063664	57405 1979061	112170	229461	539973	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	27388 999302	53700 1915115	105056	211097	507347	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	25262 992622	48768 1946496	97756	197756	495218	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	20818 646287	32184 1351089	52096	126775	284475	62.5 2500	125 5000	250	500	1250

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	75172 2651299	147923 4793235	278764	571453	1370127	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	26379 979371	51305 1940613	101290	211038	490572	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	28769 943821	58072 1800354	102401	200258	487205	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	19072 729997	36663 1424420	74483	153214	366212	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	35855 1260279	65496 2370060	130505	262653	650616	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	15944 598041	33229 1188913	61445	128324	302620	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Ave	+++++ 94256	4052 214386	8318	17283	44355	+++++ 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	10761 424010	21471 852622	41465	88892	212082	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	23610 980082	45870 1965182	94770	198845	475945	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	8687 344336	16667 705046	32928	71456	165533	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	29901 1183472	59997 2341247	116178	245632	589869	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	78430 2670568	140157 4729837	277665	612990	1342423	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	47931 1696563	92876 3221979	176226	361224	863005	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	27081 1083487	52850 2166094	103815	224258	541876	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	21782 885141	42956 1716297	87252	187364	437503	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	13272 489913	25266 982383	48403	105314	245713	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	20704 740044	39110 1471383	74475	156345	374734	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	28290 1013792	54152 1997930	105776	221017	511117	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	57583 2024686	109500 3672404	208599	461232	1006060	12.5 500	25.0 1000	50.0	100	250
Dibromochloromethane	CBZ	Ave	15393 695421	30137 1436252	62222	133476	334976	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	15419 615077	29715 1247882	60945	128748	297033	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	51442 1791918	98055 3419106	187184	387937	909474	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	92184 3074773	180052 5364925	336983	691905	1610165	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	16178 699163	32530 1374217	66940	140744	340254	2.50 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	34557 1233228	66750 2382919	129419	264886	619909	2.50 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	32797 1195048	65201 2276689	125815	255559	608471	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	56997 2037862	110281 3787446	213976	443541	1030929	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	9586 444245	18135 930384	35646	81811	205722	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	85396 3009996	169522 5257279	323529	664128	1558813	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	19811 764380	38278 1479368	75031	164689	374899	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	21480 812487	42794 1615677	82918	175151	408351	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	6125 263941	12305 525231	25488	55130	128769	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	107205 3463804	203597 5730942	396079	799993	1852449	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	6860 247897	11470 481206	23422	52136	121124	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	20582 716914	38247 1388516	72358	151299	352680	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	75010 2605073	143049 4541020	280681	578788	1342095	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	20867 750848	38835 1471940	76099	160590	376019	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	15271 594353	31368 1135961	60935	130346	303575	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	76370 2626088	146015 4575085	283994	579358	1366558	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	96195 3130242	183070 5202820	347829	708663	1678637	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	80530 2722669	156788 4625320	302321	610175	1428499	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	42013 1531755	83762 2900888	160124	331824	770542	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	45303 1544961	83272 2929947	162025	333900	782809	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	72468 2507565	143820 4306576	273851	563917	1324825	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	38393 1445835	77501 2747003	150153	308105	728495	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	3854 161252	7084 324986	13256	31826	74480	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	26402 965042	50975 1832441	97921	205110	479016	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	15123 575789	30175 1116945	58226	119716	287180	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	63796 2255683	112718 4022471	233531	494383	1113678	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	24332 893242	44533 1724426	90270	189997	435837	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	284374 283779	284764 294417	282353	284426	282241	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	179497 179575	181281 184326	176753	180103	177130	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1102801 1104385	1114367 1147250	1084833	1089463	1080743	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	349062 356109	358848 372209	346875	351880	350968	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-305628/5	F7022.D
Level 2	IC 480-305628/6	F7023.D
Level 3	IC 480-305628/7	F7024.D
Level 4	IC 480-305628/8	F7025.D
Level 5	ICIS 480-305628/9	F7026.D
Level 6	IC 480-305628/10	F7027.D
Level 7	IC 480-305628/11	F7028.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	11.2 -14.5	6.0	1.3	-1.1	-0.3	-2.6	30 30	30	30	30	30	30
Chloromethane	11.1 -16.2	-1.1	5.2	3.3	-0.7	-1.6	30 30	30	30	30	30	30
Vinyl chloride	9.6 -16.1	-0.7	5.0	3.1	0.7	-1.5	30 30	30	30	30	30	30
Butadiene	11.7 -13.5	-1.6	4.6	2.2	-1.6	-1.7	30 30	30	30	30	30	30
Bromomethane	18.3 -12.1	-3.1	-1.3	0.8	0.3	-2.8	30 30	30	30	30	30	30
Chloroethane	-3.8 -9.1	1.0	0.0	4.5	3.7	3.7	30 30	30	30	30	30	30
Dichlorofluoromethane	4.7 -13.3	1.1	2.7	2.3	1.9	0.6	30 30	30	30	30	30	30
Trichlorofluoromethane	8.7 -12.2	-3.5	4.5	1.7	1.3	-0.4	30 30	30	30	30	30	30
Ethyl ether	1.2 -3.6	-3.7	-8.9	3.1	3.7	8.3	30 30	30	30	30	30	30
Acrolein	15.8 -11.7	-1.3	0.1	6.9	-4.8	-5.1	30 30	30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	8.5 -10.3	-2.9	1.5	2.5	1.2	-0.4	30 30	30	30	30	30	30
1,1-Dichloroethene	4.1 -8.8	0.5	0.1	3.6	0.5	-0.1	30 30	30	30	30	30	30
Acetone	8.6 -2.0	-15.6	-6.5	11.3	2.6	1.6	30 30	30	30	30	30	30
Iodomethane	6.3 -8.9	-1.3	1.9	3.8	-0.5	-1.3	30 30	30	30	30	30	30
Carbon disulfide	10.3 -14.4	1.2	3.1	3.3	0.9	-4.4	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl acetate	6.3 -13.9	-1.6	2.5	10.7	-1.2	-2.7	30 30	30	30	30	30	30
Allyl chloride	-1.3 -11.8	6.8	3.6	4.4	1.2	-3.0	30 30	30	30	30	30	30
Methylene Chloride	-11.7 -3.6	-0.3	-3.1	10.1	5.6	3.0	30 30	30	30	30	30	30
2-Methyl-2-propanol	15.1 1.3	0.8	-9.8	2.0	-9.8	0.4	30 30	30	30	30	30	30
Methyl tert-butyl ether	6.8 -10.6	-1.8	1.5	6.5	-0.7	-1.7	30 30	30	30	30	30	30
trans-1,2-Dichloroethene	5.5 -12.1	4.4	2.9	3.6	-0.7	-3.7	30 30	30	30	30	30	30
Acrylonitrile	10.9 -15.5	1.1	2.3	9.6	-4.0	-4.3	30 30	30	30	30	30	30
Hexane	-15.5 -4.0	-1.3	0.6	9.8	7.9	2.5	30 30	30	30	30	30	30
Vinyl acetate	5.7 -12.9	0.9	0.2	8.2	0.6	-2.6	30 30	30	30	30	30	30
1,1-Dichloroethane	11.0 -12.5	4.0	1.3	3.2	-1.9	-5.0	30 30	30	30	30	30	30
2,2-Dichloropropane	11.5 -10.8	-2.2	1.1	2.5	0.0	-2.2	30 30	30	30	30	30	30
2-Butanone (MEK)	7.2 -8.9	-7.7	-1.6	11.5	-0.2	-0.3	30 30	30	30	30	30	30
cis-1,2-Dichloroethene	7.8 -11.4	2.9	0.8	4.4	-0.7	-3.7	30 30	30	30	30	30	30
Chlorobromomethane	0.1 -4.7	-1.2	-1.1	6.3	0.8	-0.1	30 30	30	30	30	30	30
Tetrahydrofuran	6.8 -7.4	1.4	-6.4	8.2	-2.4	-0.1	30 30	30	30	30	30	30
Chloroform	9.8 -9.6	1.2	1.0	2.5	-1.4	-3.5	30 30	30	30	30	30	30
1,1,1-Trichloroethane	7.8 -8.3	-0.8	0.1	2.1	0.6	-1.5	30 30	30	30	30	30	30
Cyclohexane	10.6 -14.4	2.3	3.0	4.6	-1.6	-4.5	30 30	30	30	30	30	30
1,1-Dichloropropene	6.4 -11.1	2.7	3.5	3.2	-0.8	-3.8	30 30	30	30	30	30	30
Carbon tetrachloride	3.0 -5.2	-2.2	1.1	1.4	1.6	0.3	30 30	30	30	30	30	30
Isobutyl alcohol	29.8 0.6	-1.3	-17.7	-0.6	-10.7	-0.1	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Benzene	9.1 -16.9	5.6	2.6	4.3	0.1	-4.7	30 30	30	30	30	30	30
1,2-Dichloroethane	4.9 -7.8	0.4	2.1	5.6	-1.8	-3.5	30 30	30	30	30	30	30
n-Heptane	13.2 -15.4	12.4	2.2	-0.9	-3.5	-8.0	30 30	30	30	30	30	30
Trichloroethene	3.6 -7.6	-2.0	2.6	4.7	0.2	-1.7	30 30	30	30	30	30	30
Methylcyclohexane	10.8 -12.5	-0.4	2.3	2.1	1.2	-3.5	30 30	30	30	30	30	30
1,2-Dichloropropane	3.1 -8.2	5.7	0.7	4.4	-1.5	-4.2	30 30	30	30	30	30	30
1,4-Dioxane	+++++ 13.9	-10.4	-6.8	-3.5	0.9	5.9	 30	30	30	30	30	30
Dibromomethane	1.2 -4.2	-0.6	-1.1	5.2	0.5	-1.1	30 30	30	30	30	30	30
Bromodichloromethane	-1.0 -1.6	-5.4	0.8	4.9	0.5	1.9	30 30	30	30	30	30	30
2-Chloroethyl vinyl ether	2.2 -1.0	-3.5	-1.8	5.7	-2.0	0.4	30 30	30	30	30	30	30
cis-1,3-Dichloropropene	1.2 -5.3	-0.1	-0.3	4.6	0.5	-0.7	30 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	13.3 -19.0	-0.1	0.3	10.3	-1.6	-3.3	30 30	30	30	30	30	30
Toluene	9.2 -13.0	4.4	0.4	2.5	-0.3	-3.1	30 30	30	30	30	30	30
trans-1,3-Dichloropropene	1.2 -4.1	-2.6	-3.0	4.3	2.7	1.5	30 30	30	30	30	30	30
Ethyl methacrylate	-0.2 -6.9	-3.0	-0.1	6.9	1.7	1.6	30 30	30	30	30	30	30
1,1,2-Trichloroethane	6.4 -6.7	-0.1	-3.0	5.1	-0.1	-1.6	30 30	30	30	30	30	30
Tetrachloroethene	8.9 -8.3	1.5	-2.1	2.4	0.0	-2.4	30 30	30	30	30	30	30
1,3-Dichloropropane	7.6 -9.9	1.6	0.6	4.7	-1.3	-3.3	30 30	30	30	30	30	30
2-Hexanone	10.0 -16.9	3.2	-0.4	9.7	-2.5	-3.1	30 30	30	30	30	30	30
Dibromochloromethane	-5.4 4.6	-8.6	-4.4	2.2	4.5	7.2	30 30	30	30	30	30	30
1,2-Dibromoethane	1.2 -2.9	-3.8	0.0	5.3	-1.1	1.2	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	10.3 -13.1	3.7	0.3	3.6	-1.1	-3.7	30 30	30	30	30	30	30
Ethylbenzene	12.5 -22.4	8.4	2.8	5.1	-0.3	-6.0	30 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-3.7 -3.0	-4.5	-0.3	4.4	2.8	4.4	30 30	30	30	30	30	30
m,p-Xylene	8.3 -11.5	3.2	1.4	3.3	-1.5	-3.1	30 30	30	30	30	30	30
o-Xylene	6.3 -12.6	4.2	1.9	3.1	0.0	-2.9	30 30	30	30	30	30	30
Styrene	8.3 -14.7	3.4	1.7	5.0	-0.6	-2.9	30 30	30	30	30	30	30
Bromoform	-4.5 9.9	-10.8	-11.2	1.5	4.0	11.0	30 30	30	30	30	30	30
Isopropylbenzene	8.4 -20.1	7.9	2.7	4.8	-0.1	-3.5	30 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	3.3 -7.6	0.1	-2.2	6.8	-1.2	0.7	30 30	30	30	30	30	30
Bromobenzene	3.0 -7.2	2.9	-0.6	4.4	-1.0	-1.6	30 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-4.7 -2.1	-4.0	-0.8	6.6	1.2	3.7	30 30	30	30	30	30	30
N-Propylbenzene	14.1 -26.9	8.7	5.4	5.9	-0.4	-6.9	30 30	30	30	30	30	30
1,2,3-Trichloropropane	11.4 -6.4	-6.6	-4.9	5.3	-0.6	1.7	30 30	30	30	30	30	30
2-Chlorotoluene	11.5 -9.9	3.9	-2.0	1.9	-3.5	-1.9	30 30	30	30	30	30	30
1,3,5-Trimethylbenzene	10.1 -20.1	5.3	3.0	5.6	-0.5	-3.4	30 30	30	30	30	30	30
4-Chlorotoluene	8.3 -8.5	1.0	-1.3	3.6	-1.4	-1.6	30 30	30	30	30	30	30
tert-Butylbenzene	0.5 -10.5	3.5	0.2	6.6	0.9	-1.2	30 30	30	30	30	30	30
1,2,4-Trimethylbenzene	10.7 -20.5	6.2	3.0	4.4	0.1	-3.8	30 30	30	30	30	30	30
sec-Butylbenzene	14.3 -26.0	9.0	3.3	4.7	0.8	-6.1	30 30	30	30	30	30	30
4-Isopropyltoluene	11.2 -23.5	8.6	4.4	4.7	-0.3	-5.0	30 30	30	30	30	30	30
1,3-Dichlorobenzene	5.9 -12.4	5.9	0.9	4.0	-1.9	-2.5	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	12.2 -13.1	3.4	0.3	2.8	-2.1	-3.4	30 30	30	30	30	30	30
n-Butylbenzene	9.1 -22.3	8.6	3.1	5.5	0.8	-4.7	30 30	30	30	30	30	30
1,2-Dichlorobenzene	3.6 -11.2	4.9	1.3	3.4	-0.6	-1.4	30 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	2.2 3.2	-5.8	-12.1	4.9	-0.2	8.0	30 30	30	30	30	30	30
1,2,4-Trichlorobenzene	7.2 -10.9	3.7	-0.6	3.5	-1.8	-1.1	30 30	30	30	30	30	30
Hexachlorobutadiene	3.7 -8.3	3.7	-0.2	2.0	-0.5	-0.3	30 30	30	30	30	30	30
Naphthalene	11.2 -16.0	-1.5	1.8	7.1	-1.9	-0.7	30 30	30	30	30	30	30
1,2,3-Trichlorobenzene	7.7 -8.5	-1.1	-0.1	4.6	-2.5	-0.1	30 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.3 -0.8	-1.1	1.0	1.0	0.3	-0.7	30 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.4 -1.4	-0.2	0.3	1.4	-0.2	-0.4	30 30	30	30	30	30	30
Toluene-d8 (Surr)	0.7 -0.7	0.4	-0.9	-0.9	0.2	1.1	30 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.9 0.1	0.5	-1.5	-0.5	1.1	1.3	30 30	30	30	30	30	30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-Jun-2016 13:08:30 ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0053862-005
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:00 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:39:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.285	-0.006	98	247461	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	506483	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	455342	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	92	284374	50.0	50.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	179497	50.0	50.2	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	1102801	50.0	50.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	349062	50.0	49.5	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	21524	2.50	2.78	
12 Chloromethane	50	1.987	2.006	-0.019	96	14376	2.50	2.78	
13 Vinyl chloride	62	2.103	2.121	-0.018	90	14511	2.50	2.74	
151 Butadiene	54	2.115	2.127	-0.012	86	13453	2.50	2.79	
14 Bromomethane	94	2.383	2.401	-0.018	89	11873	2.50	2.96	
15 Chloroethane	64	2.462	2.468	-0.006	98	7179	2.50	2.40	
16 Dichlorofluoromethane	67	2.608	2.626	-0.018	98	24170	2.50	2.62	
17 Trichlorofluoromethane	101	2.638	2.657	-0.019	95	27064	2.50	2.72	
18 Ethyl ether	59	2.839	2.845	-0.006	83	10878	2.50	2.53	M
20 Acrolein	56	2.985	2.997	-0.012	89	15154	12.5	14.5	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	91	17136	2.50	2.71	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	15905	2.50	2.60	
23 Acetone	43	3.101	3.113	-0.012	98	35877	12.5	13.6	
25 Iodomethane	142	3.204	3.204	0.000	100	30260	2.50	2.66	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	61328	2.50	2.76	
27 Methyl acetate	43	3.326	3.320	0.006	95	54736	12.5	13.3	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	78	22767	2.50	2.47	
30 Methylene Chloride	84	3.429	3.435	-0.006	86	42315	2.50	2.21	
31 2-Methyl-2-propanol	59	3.496	3.490	0.006	94	20574	25.0	28.8	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	58609	2.50	2.67	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	97	18575	2.50	2.64	
33 Acrylonitrile	53	3.636	3.630	0.006	98	57430	25.0	27.7	M
35 Hexane	57	3.752	3.752	0.000	85	42838	2.50	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	63877	5.00	5.28	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	33195	2.50	2.77	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	70	32399	2.50	2.79	
43 2-Butanone (MEK)	43	4.384	4.378	0.006	92	36445	12.5	13.4	M
45 cis-1,2-Dichloroethene	96	4.390	4.391	-0.001	83	20696	2.50	2.69	
48 Chlorobromomethane	128	4.585	4.591	-0.006	76	8651	2.50	2.50	M
49 Tetrahydrofuran	42	4.622	4.610	0.012	49	9433	5.00	5.34	
50 Chloroform	83	4.622	4.628	-0.006	93	35834	2.50	2.75	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	55	30997	2.50	2.69	
52 Cyclohexane	56	4.792	4.798	-0.006	86	30527	2.50	2.76	
54 1,1-Dichloropropene	75	4.877	4.883	-0.006	95	27388	2.50	2.66	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	96	25262	2.50	2.57	
53 Isobutyl alcohol	43	4.962	4.950	0.012	94	20818	62.5	81.1	M
57 Benzene	78	5.066	5.072	-0.006	93	75172	2.50	2.73	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	95	26379	2.50	2.62	
59 n-Heptane	43	5.163	5.163	0.000	87	28769	2.50	2.83	
62 Trichloroethene	95	5.583	5.583	0.000	97	19072	2.50	2.59	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	35855	2.50	2.77	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	93	15944	2.50	2.58	
66 1,4-Dioxane	88	5.917	5.911	0.006	0	1531	50.0	34.3	M
67 Dibromomethane	93	5.930	5.936	-0.006	93	10761	2.50	2.53	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	23610	2.50	2.47	
69 2-Chloroethyl vinyl ether	63	6.246	6.252	-0.006	90	8687	2.50	2.55	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	29901	2.50	2.53	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	78430	12.5	14.2	
74 Toluene	92	6.714	6.714	0.000	97	47931	2.50	2.73	
77 trans-1,3-Dichloropropene	75	6.939	6.940	-0.001	96	27081	2.50	2.53	
75 Ethyl methacrylate	69	6.939	6.940	-0.001	70	21782	2.50	2.49	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	90	13272	2.50	2.66	
81 Tetrachloroethene	166	7.231	7.232	-0.001	95	20704	2.50	2.72	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	92	28290	2.50	2.69	
80 2-Hexanone	43	7.317	7.311	0.006	93	57583	12.5	13.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	15393	2.50	2.37	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	15419	2.50	2.53	
87 Chlorobenzene	112	8.120	8.114	0.006	93	51442	2.50	2.76	
88 Ethylbenzene	91	8.187	8.181	0.006	98	92184	2.50	2.81	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	43	16178	2.50	2.41	
90 m-Xylene & p-Xylene	106	8.290	8.296	-0.006	99	34557	2.50	2.71	
91 o-Xylene	106	8.734	8.728	0.006	96	32797	2.50	2.66	
92 Styrene	104	8.752	8.752	0.000	92	56997	2.50	2.71	
95 Bromoform	173	9.014	9.020	-0.006	93	9586	2.50	2.39	
94 Isopropylbenzene	105	9.099	9.099	0.000	95	85396	2.50	2.71	
101 Bromobenzene	156	9.482	9.482	0.000	94	21480	2.50	2.58	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.482	-0.006	75	19811	2.50	2.58	
99 N-Propylbenzene	91	9.531	9.525	0.006	99	107205	2.50	2.85	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	42	6125	2.50	2.38	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	52	6860	2.50	2.79	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	20582	2.50	2.79	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	75010	2.50	2.75	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	20867	2.50	2.71	
106 tert-Butylbenzene	134	10.018	10.018	0.000	92	15271	2.50	2.51	
107 1,2,4-Trimethylbenzene	105	10.072	10.073	-0.001	96	76370	2.50	2.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	94	96195	2.50	2.86	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	80530	2.50	2.78	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	42013	2.50	2.65	
113 1,4-Dichlorobenzene	146	10.468	10.462	0.006	95	45303	2.50	2.80	
115 n-Butylbenzene	91	10.729	10.730	-0.001	97	72468	2.50	2.73	
116 1,2-Dichlorobenzene	146	10.809	10.815	-0.006	95	38393	2.50	2.59	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	83	3854	2.50	2.55	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	26402	2.50	2.68	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	96	15123	2.50	2.59	
121 Naphthalene	128	12.354	12.354	0.000	97	63796	2.50	2.78	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	93	24332	2.50	2.69	
S 123 Total BTEX	1				0			13.6	
S 124 Xylenes, Total	1				0			5.36	
S 125 1,2-Dichloroethene, Total	1				0			5.33	
S 126 1,3-Dichloropropene, Total	1				0			5.06	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00075	Amount Added:	2.50	Units: uL	
GAS CORP mix_00159	Amount Added:	2.50	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

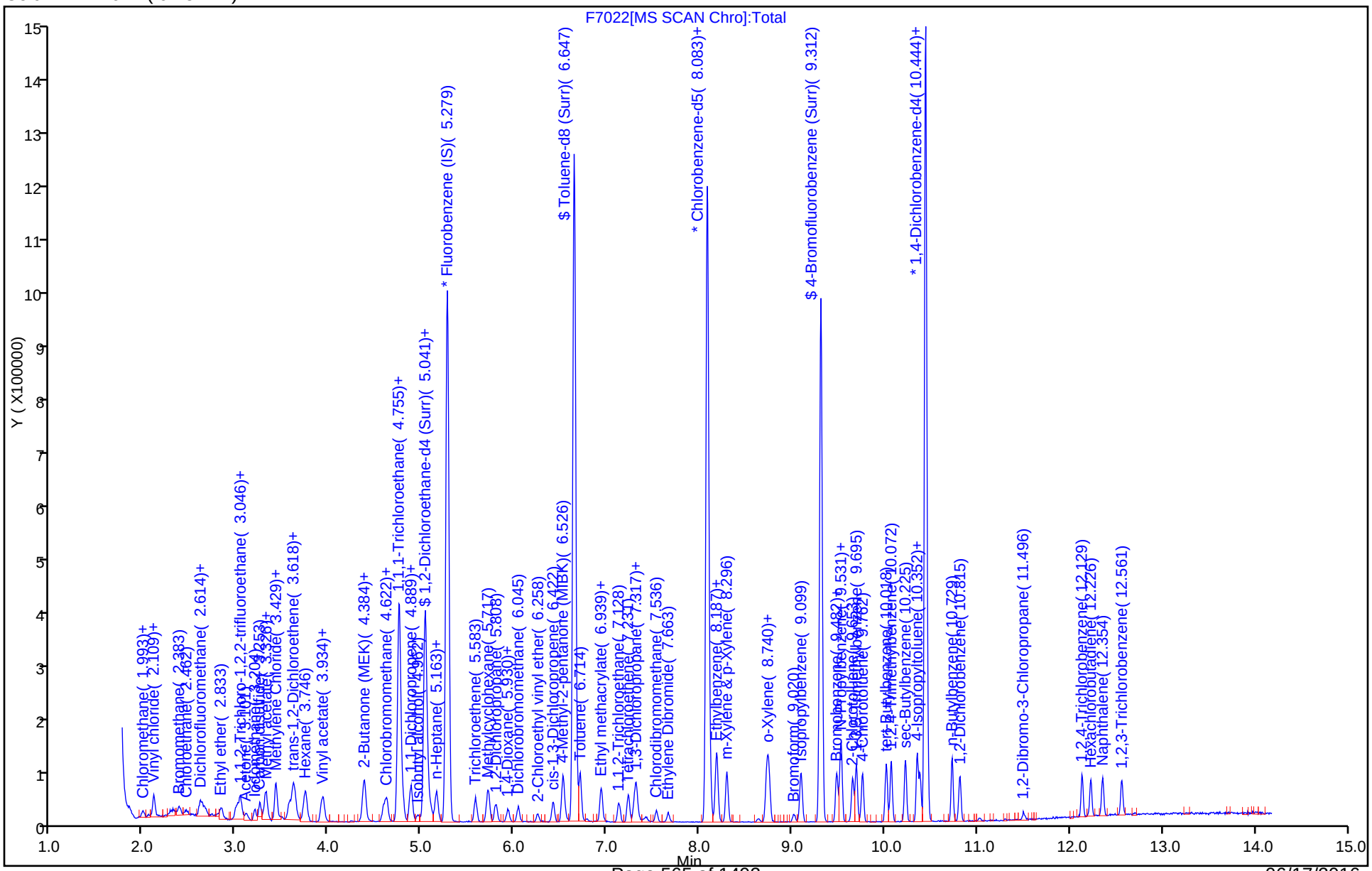
Report Date: 09-Jun-2016 10:46:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D

Injection Date:	08-Jun-2016 13:08:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

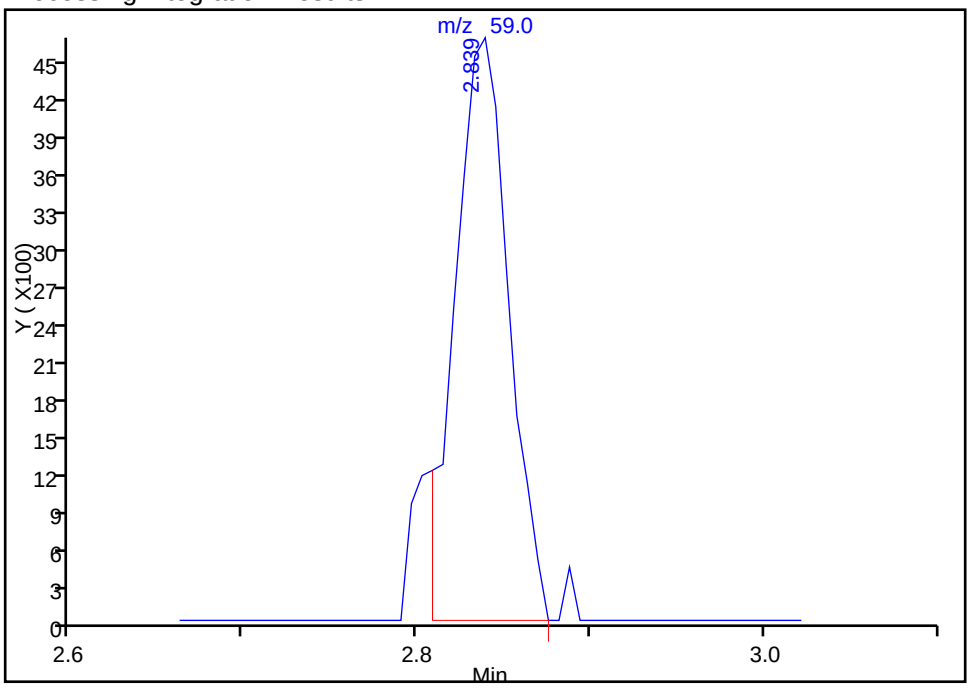
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

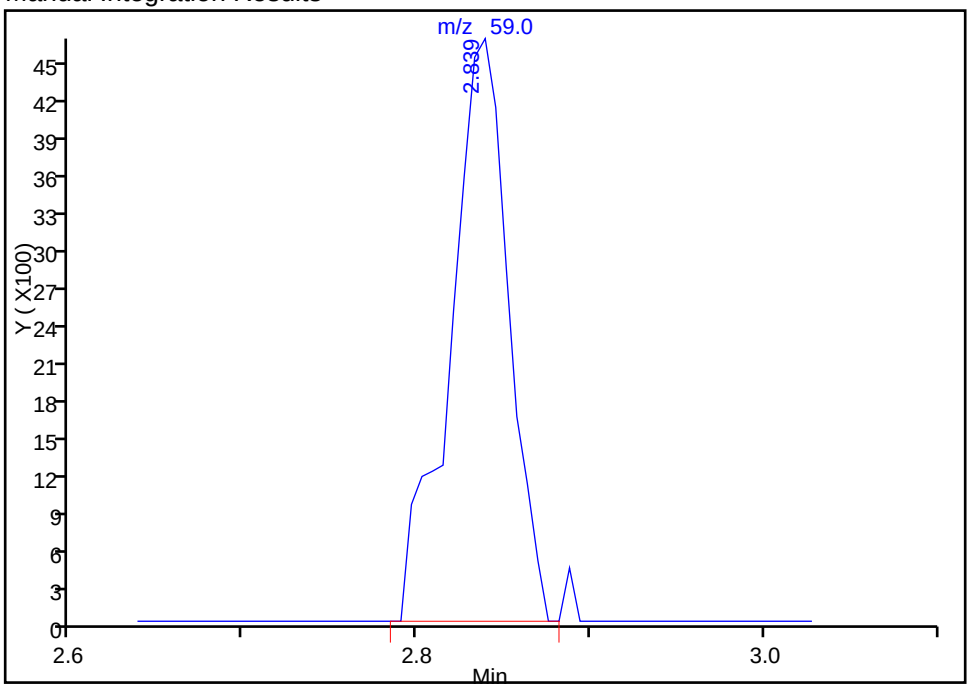
Processing Integration Results

RT: 2.84
Area: 10117
Amount: 2.356848
Amount Units: ug/kg



Manual Integration Results

RT: 2.84
Area: 10878
Amount: 2.529198
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:50:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

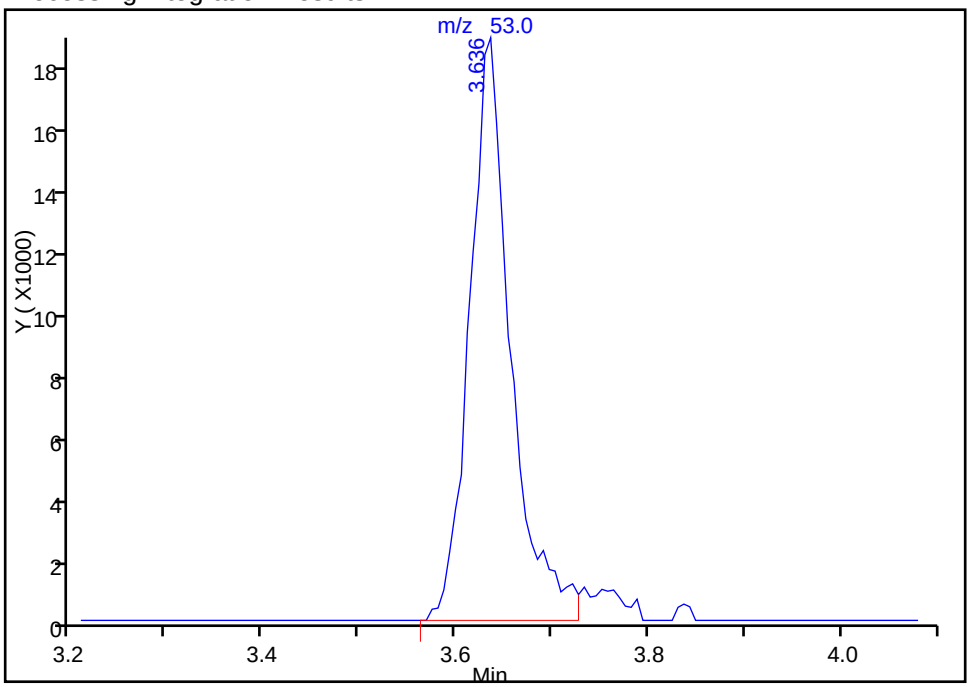
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

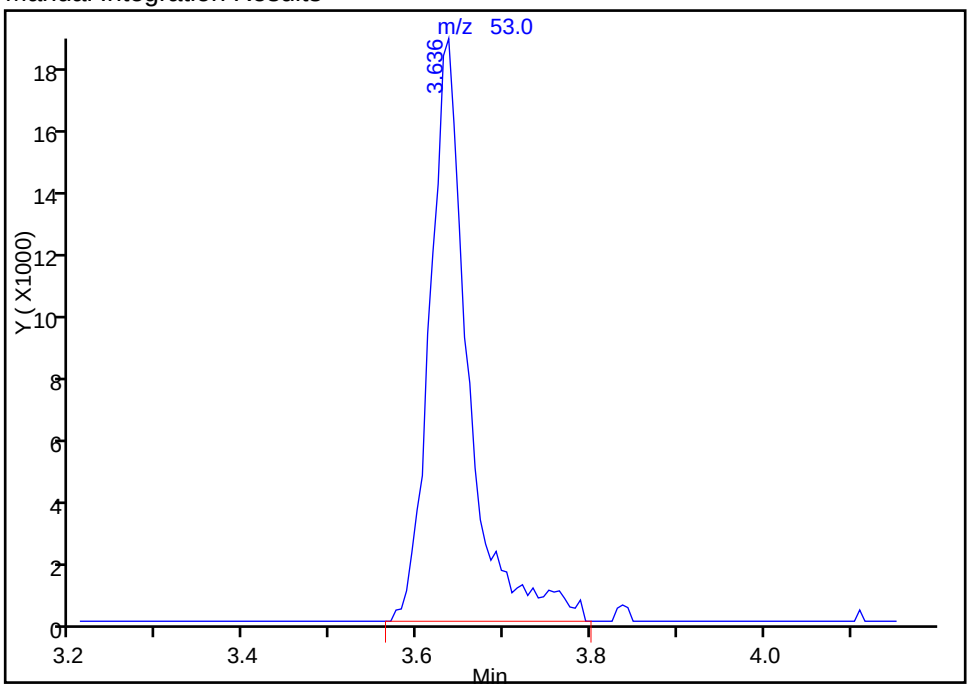
Processing Integration Results

RT: 3.64
Area: 54621
Amount: 26.570578
Amount Units: ug/kg



Manual Integration Results

RT: 3.64
Area: 57430
Amount: 27.720576
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:50:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

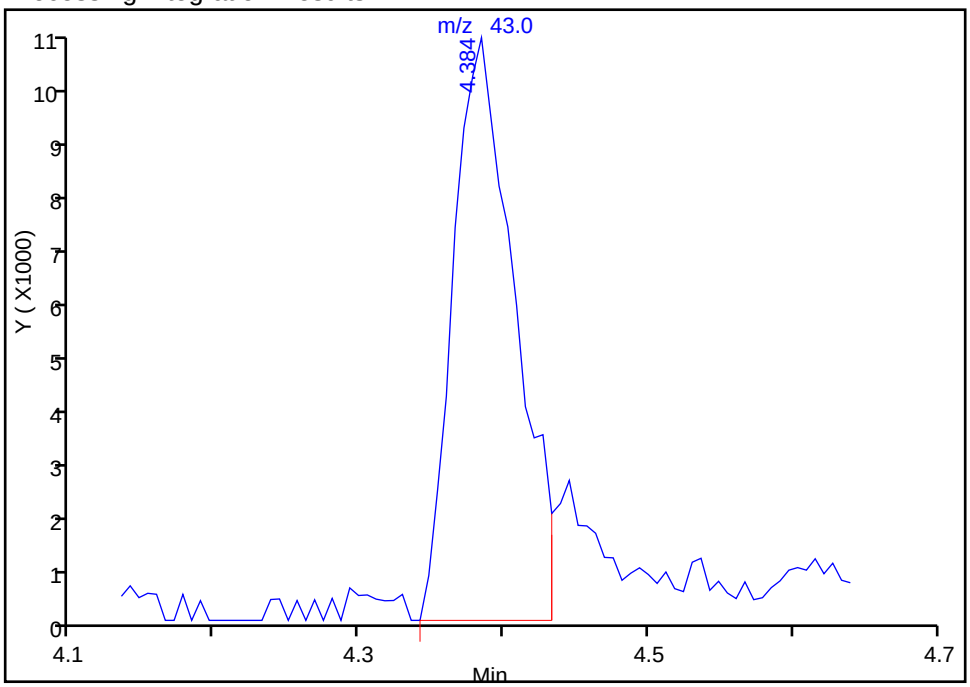
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

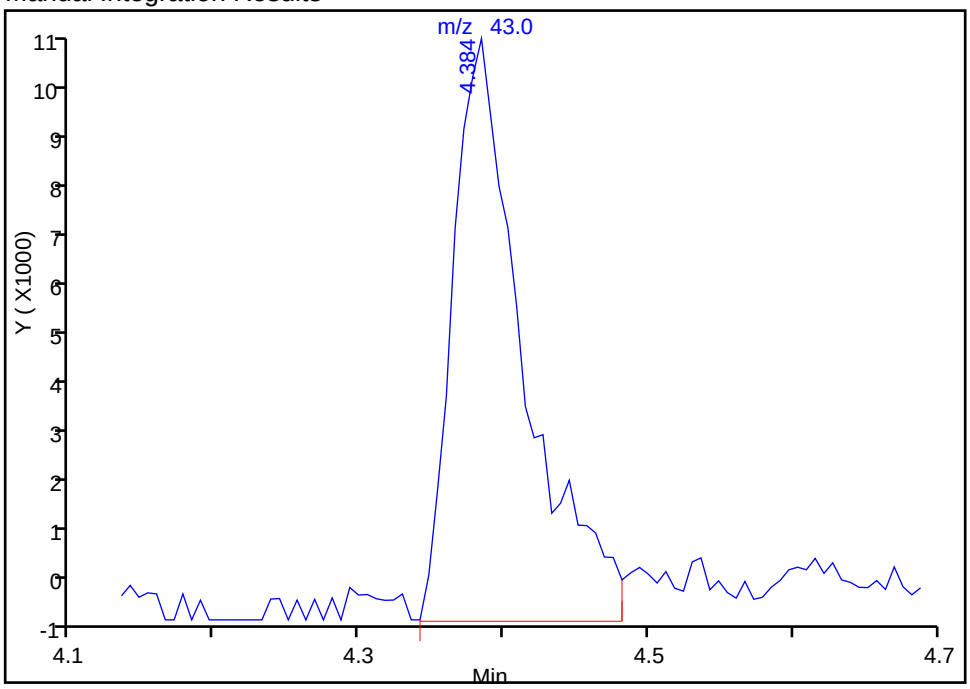
Processing Integration Results

RT: 4.38
Area: 31579
Amount: 11.750782
Amount Units: ug/kg



Manual Integration Results

RT: 4.38
Area: 36445
Amount: 13.398915
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:52:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

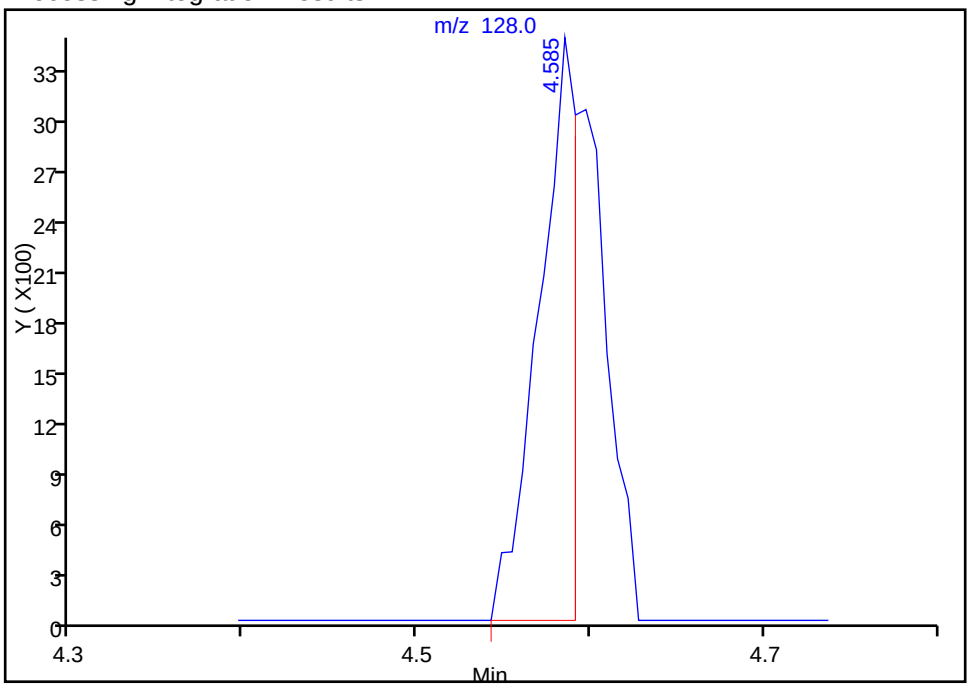
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

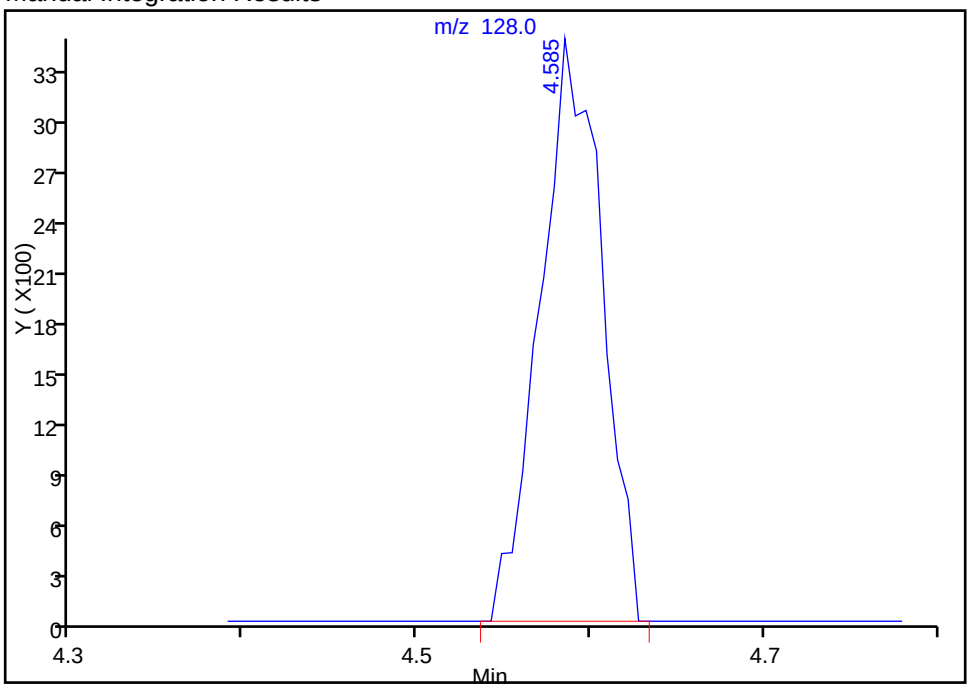
Processing Integration Results

RT: 4.59
Area: 5304
Amount: 1.906895
Amount Units: ug/kg



Manual Integration Results

RT: 4.59
Area: 8651
Amount: 2.502279
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:52:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

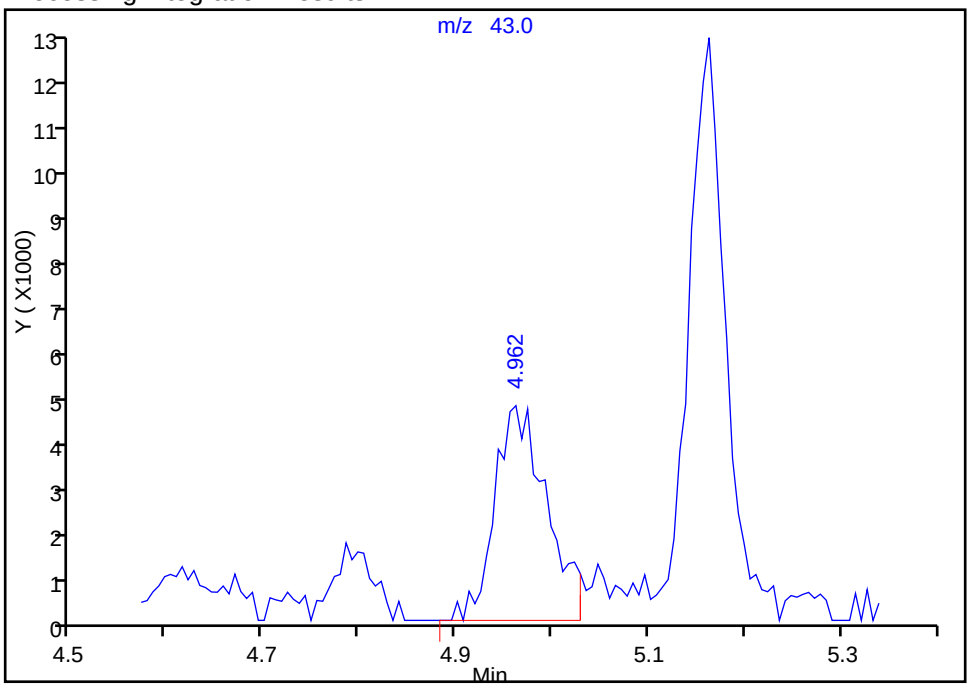
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

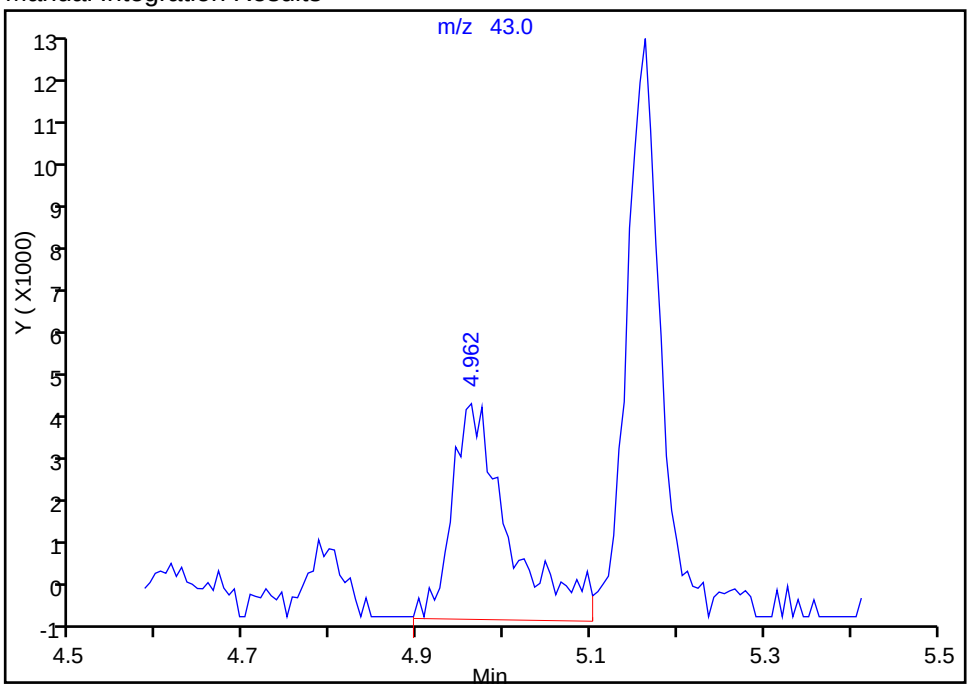
Processing Integration Results

RT: 4.96
Area: 16882
Amount: 68.159800
Amount Units: ug/kg



Manual Integration Results

RT: 4.96
Area: 20818
Amount: 81.105123
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:53:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

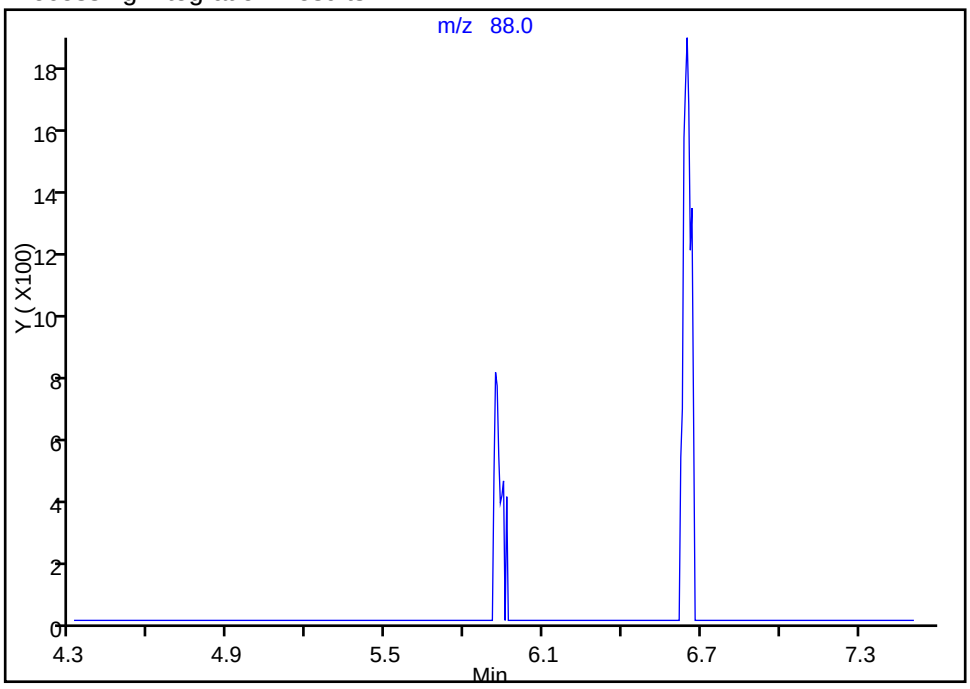
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

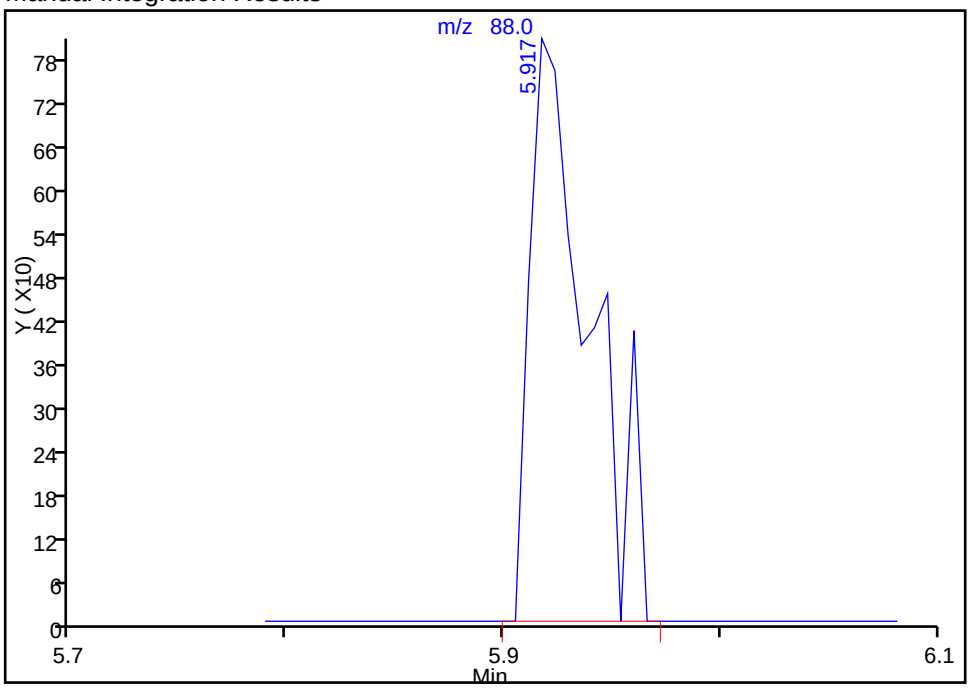
Processing Integration Results

Not Detected
Expected RT: 5.91



Manual Integration Results

RT: 5.92
Area: 1531
Amount: 34.317420
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:53:40
Audit Action: Manually Integrated Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7023.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-Jun-2016 13:34:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0053862-006
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:06 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:56:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.285	-0.006	98	251418	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	513416	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	454041	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.756	4.762	-0.006	93	284764	50.0	49.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	181281	50.0	49.9	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	1114367	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	88	358848	50.0	50.2	
10 Dichlorodifluoromethane	85	1.848	1.860	-0.012	98	41684	5.00	5.30	
12 Chloromethane	50	1.987	2.006	-0.019	98	26012	5.00	4.95	
13 Vinyl chloride	62	2.103	2.121	-0.018	87	26718	5.00	4.96	
151 Butadiene	54	2.109	2.127	-0.018	95	24101	5.00	4.92	
14 Bromomethane	94	2.377	2.401	-0.024	91	19765	5.00	4.84	
15 Chloroethane	64	2.450	2.468	-0.018	97	15326	5.00	5.05	
16 Dichlorofluoromethane	67	2.614	2.626	-0.012	97	47440	5.00	5.06	
17 Trichlorofluoromethane	101	2.638	2.657	-0.019	94	48846	5.00	4.83	
18 Ethyl ether	59	2.833	2.845	-0.012	88	21044	5.00	4.82	
20 Acrolein	56	2.991	2.997	-0.006	99	26250	25.0	24.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	93	31151	5.00	4.85	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	31197	5.00	5.03	
23 Acetone	43	3.101	3.113	-0.012	99	51614	25.0	21.1	
25 Iodomethane	142	3.198	3.204	-0.006	99	57074	5.00	4.94	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	114432	5.00	5.06	
27 Methyl acetate	43	3.314	3.320	-0.006	96	102935	25.0	24.6	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	78	50033	5.00	5.34	
30 Methylene Chloride	84	3.423	3.435	-0.012	90	62231	5.00	4.99	
31 2-Methyl-2-propanol	59	3.478	3.490	-0.012	95	36620	50.0	50.4	
32 Methyl tert-butyl ether	73	3.569	3.575	-0.006	93	109479	5.00	4.91	
34 trans-1,2-Dichloroethene	96	3.606	3.618	-0.012	98	37348	5.00	5.22	
33 Acrylonitrile	53	3.630	3.630	0.000	98	106398	50.0	50.5	
35 Hexane	57	3.746	3.752	-0.006	92	70550	5.00	4.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	123906	10.0	10.1	
39 1,1-Dichloroethane	63	3.934	3.946	-0.012	96	63186	5.00	5.20	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	87	57745	5.00	4.89	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	90	63765	25.0	23.1	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	82	40154	5.00	5.14	
48 Chlorobromomethane	128	4.591	4.591	0.000	90	17345	5.00	4.94	
49 Tetrahydrofuran	42	4.616	4.610	0.006	53	18211	10.0	10.1	
50 Chloroform	83	4.628	4.628	0.000	93	67069	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	51	58013	5.00	4.96	
52 Cyclohexane	56	4.792	4.798	-0.006	87	57405	5.00	5.12	
54 1,1-Dichloropropene	75	4.877	4.883	-0.006	95	53700	5.00	5.13	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	80	48768	5.00	4.89	
53 Isobutyl alcohol	43	4.950	4.950	0.000	92	32184	125.0	123.4	
57 Benzene	78	5.066	5.072	-0.006	95	147923	5.00	5.28	
58 1,2-Dichloroethane	62	5.096	5.102	-0.006	97	51305	5.00	5.02	
59 n-Heptane	43	5.163	5.163	0.000	86	58072	5.00	5.62	
62 Trichloroethene	95	5.583	5.583	0.000	95	36663	5.00	4.90	
64 Methylcyclohexane	83	5.723	5.723	0.000	88	65496	5.00	4.98	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	94	33229	5.00	5.29	
66 1,4-Dioxane	88	5.930	5.911	0.019	32	4052	100.0	89.6	
67 Dibromomethane	93	5.930	5.936	-0.006	94	21471	5.00	4.97	
68 Dichlorobromomethane	83	6.039	6.045	-0.006	98	45870	5.00	4.73	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	91	16667	5.00	4.82	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	59997	5.00	5.00	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	94	140157	25.0	25.0	
74 Toluene	92	6.714	6.714	0.000	97	92876	5.00	5.22	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	95	52850	5.00	4.87	
75 Ethyl methacrylate	69	6.940	6.940	0.000	71	42956	5.00	4.85	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	91	25266	5.00	4.99	
81 Tetrachloroethene	166	7.232	7.232	0.000	98	39110	5.00	5.07	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	88	54152	5.00	5.08	
80 2-Hexanone	43	7.317	7.311	0.006	96	109500	25.0	25.8	
83 Chlorodibromomethane	129	7.542	7.536	0.006	89	30137	5.00	4.57	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	29715	5.00	4.81	
87 Chlorobenzene	112	8.120	8.114	0.006	95	98055	5.00	5.18	
88 Ethylbenzene	91	8.181	8.181	0.000	98	180052	5.00	5.42	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.193	0.006	94	32530	5.00	4.78	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	98	66750	5.00	5.16	
91 o-Xylene	106	8.722	8.728	-0.006	97	65201	5.00	5.21	
92 Styrene	104	8.752	8.752	0.000	93	110281	5.00	5.17	
95 Bromoform	173	9.020	9.020	0.000	96	18135	5.00	4.46	
94 Isopropylbenzene	105	9.099	9.099	0.000	95	169522	5.00	5.39	
101 Bromobenzene	156	9.482	9.482	0.000	92	42794	5.00	5.15	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.482	-0.006	73	38278	5.00	5.01	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	203597	5.00	5.43	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	65	12305	5.00	4.80	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	11470	5.00	4.67	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	38247	5.00	5.19	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	92	143049	5.00	5.26	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	38835	5.00	5.05	
106 tert-Butylbenzene	134	10.018	10.018	0.000	90	31368	5.00	5.17	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	146015	5.00	5.31	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	183070	5.00	5.45	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	156788	5.00	5.43	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	83762	5.00	5.29	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	93	83272	5.00	5.17	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	143820	5.00	5.43	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	96	77501	5.00	5.24	
117 1,2-Dibromo-3-Chloropropan	75	11.502	11.496	0.006	82	7084	5.00	4.71	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	94	50975	5.00	5.19	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	96	30175	5.00	5.19	
121 Naphthalene	128	12.354	12.354	0.000	98	112718	5.00	4.93	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	44533	5.00	4.94	
S 123 Total BTEX	1				0			26.3	
S 124 Xylenes, Total	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.87	

Reagents:

8260 CORP mix_00075	Amount Added:	5.00	Units: uL	
GAS CORP mix_00159	Amount Added:	5.00	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

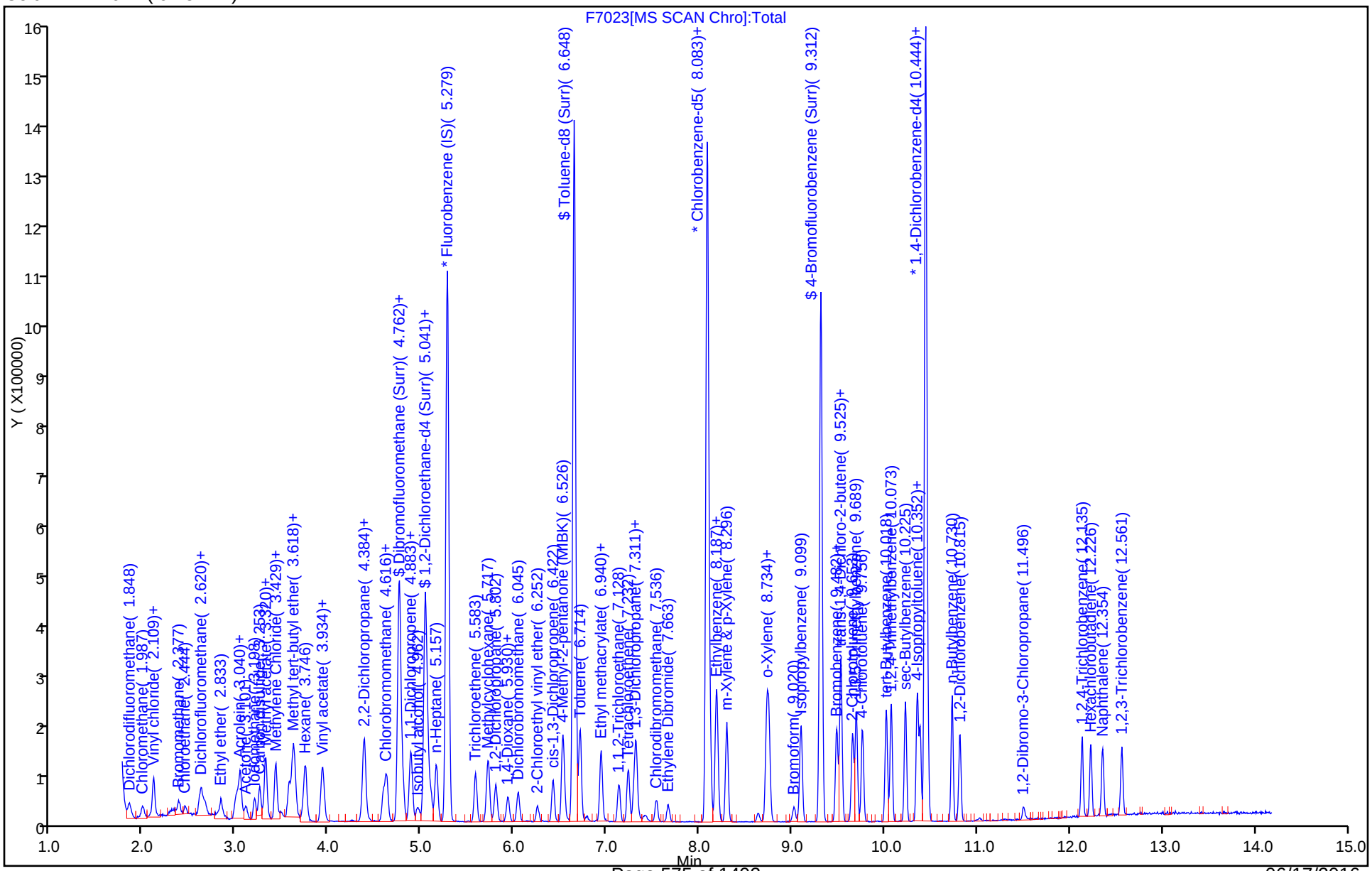
Report Date: 09-Jun-2016 10:46:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7023.D

Injection Date:	08-Jun-2016 13:34:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7024.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jun-2016 13:59:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0053862-007
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:10 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:58:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.285	-0.006	98	243959	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	506410	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	455272	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	93	282353	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	176753	50.0	50.2	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	1084833	50.0	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	346875	50.0	49.2	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	77271	10.0	10.1	
12 Chloromethane	50	1.994	2.006	-0.012	99	53681	10.0	10.5	
13 Vinyl chloride	62	2.103	2.121	-0.018	98	54825	10.0	10.5	
151 Butadiene	54	2.115	2.127	-0.012	94	49676	10.0	10.5	
14 Bromomethane	94	2.383	2.401	-0.018	93	39075	10.0	9.87	
15 Chloroethane	64	2.456	2.468	-0.012	98	29434	10.0	10.0	
16 Dichlorofluoromethane	67	2.614	2.626	-0.012	97	93468	10.0	10.3	
17 Trichlorofluoromethane	101	2.657	2.657	0.000	81	102597	10.0	10.4	
18 Ethyl ether	59	2.839	2.845	-0.006	87	38609	10.0	9.11	
20 Acrolein	56	2.997	2.997	0.000	99	51675	50.0	50.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	93	63195	10.0	10.1	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	60295	10.0	10.0	
23 Acetone	43	3.101	3.113	-0.012	100	100135	50.0	46.7	
25 Iodomethane	142	3.198	3.204	-0.006	99	114312	10.0	10.2	
26 Carbon disulfide	76	3.253	3.259	-0.006	98	226184	10.0	10.3	
27 Methyl acetate	43	3.320	3.320	0.000	94	208187	50.0	51.2	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	76	94193	10.0	10.4	
30 Methylene Chloride	84	3.429	3.435	-0.006	87	92012	10.0	9.69	
31 2-Methyl-2-propanol	59	3.490	3.490	0.000	95	63590	100.0	90.2	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	94	219498	10.0	10.1	
34 trans-1,2-Dichloroethene	96	3.618	3.618	0.000	99	71472	10.0	10.3	
33 Acrylonitrile	53	3.630	3.630	0.000	98	208982	100.0	102.3	
35 Hexane	57	3.746	3.752	-0.006	92	116023	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.928	3.928	0.000	97	238764	20.0	20.0	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	89	119440	10.0	10.1	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	79	115906	10.0	10.1	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	131899	50.0	49.2	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	82	76338	10.0	10.1	
48 Chlorobromomethane	128	4.585	4.591	-0.006	89	33711	10.0	9.89	
49 Tetrahydrofuran	42	4.616	4.610	0.006	52	32601	20.0	18.7	
50 Chloroform	83	4.628	4.628	0.000	92	129931	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	96	113559	10.0	10.0	
52 Cyclohexane	56	4.792	4.798	-0.006	88	112170	10.0	10.3	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	105056	10.0	10.3	
55 Carbon tetrachloride	117	4.895	4.895	0.000	97	97756	10.0	10.1	
53 Isobutyl alcohol	43	4.950	4.950	0.000	92	52096	250.0	205.9	
57 Benzene	78	5.066	5.072	-0.006	97	278764	10.0	10.3	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	95	101290	10.0	10.2	
59 n-Heptane	43	5.157	5.163	-0.006	86	102401	10.0	10.2	
62 Trichloroethene	95	5.583	5.583	0.000	97	74483	10.0	10.3	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	130505	10.0	10.2	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	93	61445	10.0	10.1	
66 1,4-Dioxane	88	5.917	5.911	0.006	30	8318	200.0	186.5	
67 Dibromomethane	93	5.936	5.936	0.000	96	41465	10.0	9.89	
68 Dichlorobromomethane	83	6.045	6.045	0.000	98	94770	10.0	10.1	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	32928	10.0	9.82	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	116178	10.0	9.97	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	277665	50.0	50.2	
74 Toluene	92	6.714	6.714	0.000	98	176226	10.0	10.0	
77 trans-1,3-Dichloropropene	75	6.933	6.940	-0.007	96	103815	10.0	9.70	
75 Ethyl methacrylate	69	6.939	6.940	-0.001	75	87252	10.0	10.0	
79 1,1,2-Trichloroethane	83	7.128	7.128	0.000	92	48403	10.0	9.70	
81 Tetrachloroethene	166	7.231	7.232	-0.001	96	74475	10.0	9.79	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	91	105776	10.0	10.1	
80 2-Hexanone	43	7.317	7.311	0.006	93	208599	50.0	49.8	
83 Chlorodibromomethane	129	7.542	7.536	0.006	89	62222	10.0	9.56	
84 Ethylene Dibromide	107	7.670	7.664	0.006	97	60945	10.0	10.0	
87 Chlorobenzene	112	8.114	8.114	0.000	94	187184	10.0	10.0	
88 Ethylbenzene	91	8.181	8.181	0.000	98	336983	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	94	66940	10.0	9.97	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	100	129419	10.0	10.1	
91 o-Xylene	106	8.728	8.728	0.000	97	125815	10.0	10.2	
92 Styrene	104	8.746	8.752	-0.006	93	213976	10.0	10.2	
95 Bromoform	173	9.020	9.020	0.000	95	35646	10.0	8.88	
94 Isopropylbenzene	105	9.099	9.099	0.000	96	323529	10.0	10.3	
101 Bromobenzene	156	9.482	9.482	0.000	93	82918	10.0	9.94	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	74	75031	10.0	9.78	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	396079	10.0	10.5	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	42	25488	10.0	9.92	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	52	23422	10.0	9.51	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	72358	10.0	9.80	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	92	280681	10.0	10.3	
105 4-Chlorotoluene	126	9.756	9.762	-0.006	98	76099	10.0	9.87	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	60935	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	-0.001	97	283994	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	347829	10.0	10.3	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	302321	10.0	10.4	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	98	160124	10.0	10.1	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	162025	10.0	10.0	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	273851	10.0	10.3	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	150153	10.0	10.1	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	86	13256	10.0	8.79	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	95	97921	10.0	9.94	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	96	58226	10.0	9.98	
121 Naphthalene	128	12.354	12.354	0.000	97	233531	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	90270	10.0	10.0	
S 123 Total BTEX	1				0			50.9	
S 124 Xylenes, Total	1				0			20.3	
S 125 1,2-Dichloroethene, Total	1				0			20.4	
S 126 1,3-Dichloropropene, Total	1				0			19.7	

Reagents:

8260 CORP mix_00075	Amount Added: 10.00	Units: uL	
GAS CORP mix_00159	Amount Added: 10.00	Units: uL	
F 8260 SURR_00149	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added: 1.00	Units: uL	Run Reagent

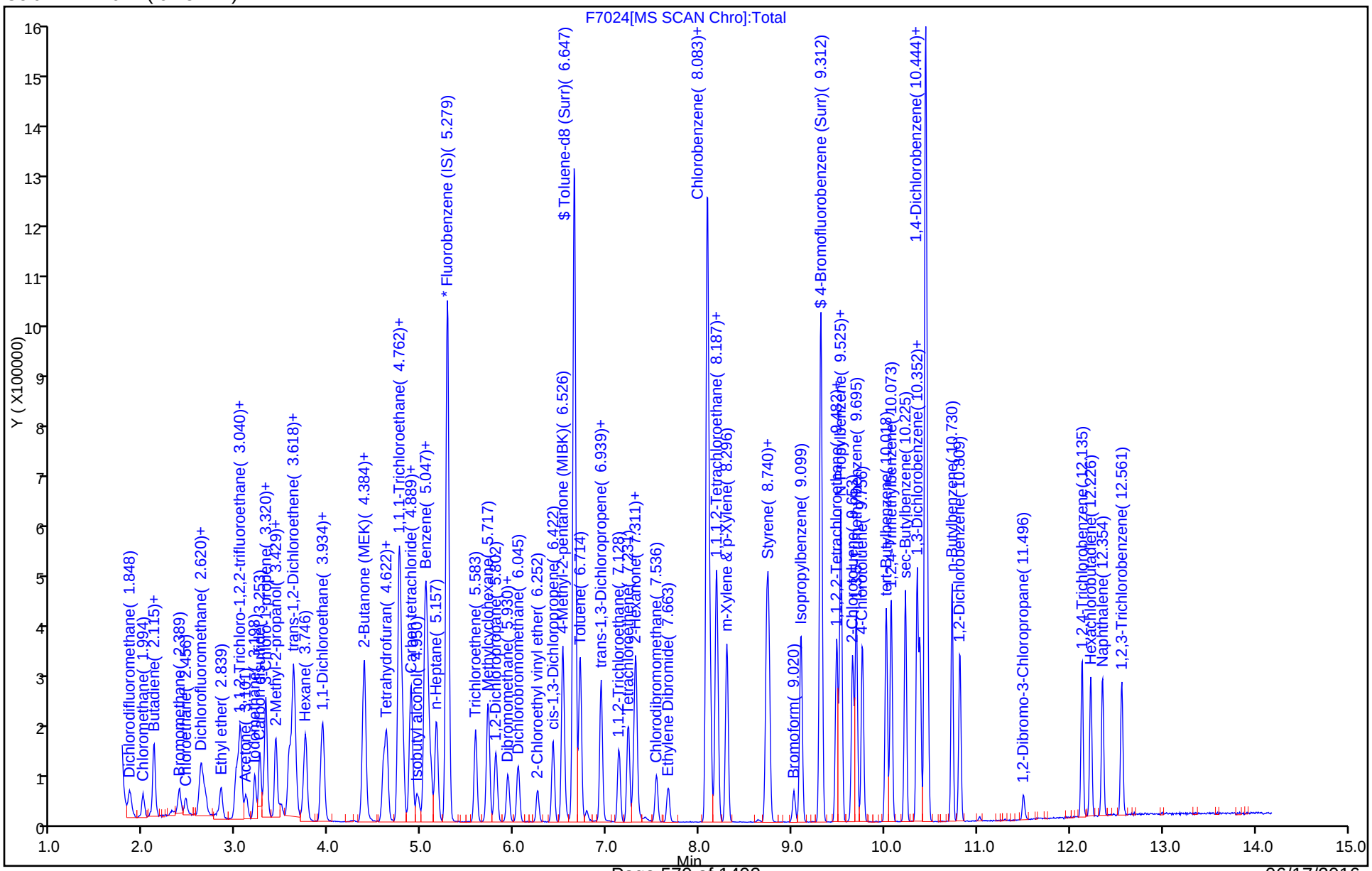
Report Date: 09-Jun-2016 10:46:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7024.D

Injection Date:	08-Jun-2016 13:59:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7025.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-Jun-2016 14:25:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0053862-008
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:15 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:59:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.272	5.285	-0.013	98	245861	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	508407	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	457821	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	93	284426	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	180103	50.0	50.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	1089463	50.0	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	351880	50.0	49.7	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	152105	20.0	19.8	
12 Chloromethane	50	2.000	2.006	-0.006	99	106302	20.0	20.7	
13 Vinyl chloride	62	2.109	2.121	-0.012	99	108506	20.0	20.6	
151 Butadiene	54	2.115	2.127	-0.012	95	97823	20.0	20.4	
14 Bromomethane	94	2.389	2.401	-0.012	91	80396	20.0	20.2	
15 Chloroethane	64	2.456	2.468	-0.012	100	61996	20.0	20.9	
16 Dichlorofluoromethane	67	2.614	2.626	-0.012	97	187649	20.0	20.5	
17 Trichlorofluoromethane	101	2.644	2.657	-0.013	99	201273	20.0	20.3	
18 Ethyl ether	59	2.839	2.845	-0.006	87	88123	20.0	20.6	
20 Acrolein	56	2.997	2.997	0.000	99	111221	100.0	106.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	93	128663	20.0	20.5	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	125781	20.0	20.7	
23 Acetone	43	3.101	3.113	-0.012	99	227931	100.0	111.3	
25 Iodomethane	142	3.198	3.204	-0.006	99	234813	20.0	20.8	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	456798	20.0	20.7	
27 Methyl acetate	43	3.320	3.320	0.000	95	453331	100.0	110.7	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	77	191292	20.0	20.9	
30 Methylene Chloride	84	3.429	3.435	-0.006	88	176162	20.0	22.0	
31 2-Methyl-2-propanol	59	3.484	3.490	-0.006	97	144836	200.0	203.9	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	464277	20.0	21.3	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	99	144997	20.0	20.7	
33 Acrylonitrile	53	3.630	3.630	0.000	97	451118	200.0	219.2	
35 Hexane	57	3.746	3.752	-0.006	92	228228	20.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	519741	40.0	43.3	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	245338	20.0	20.6	
44 2,2-Dichloropropane	77	4.378	4.378	0.000	81	236800	20.0	20.5	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	301392	100.0	111.5	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	83	159289	20.0	20.9	
48 Chlorobromomethane	128	4.585	4.591	-0.006	93	73005	20.0	21.3	
49 Tetrahydrofuran	42	4.609	4.610	-0.001	81	75959	40.0	43.3	
50 Chloroform	83	4.622	4.628	-0.006	93	265942	20.0	20.5	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	233424	20.0	20.4	
52 Cyclohexane	56	4.792	4.798	-0.006	88	229461	20.0	20.9	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	96	211097	20.0	20.6	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	98	197756	20.0	20.3	
53 Isobutyl alcohol	43	4.956	4.950	0.006	93	126775	500.0	497.1	
57 Benzene	78	5.066	5.072	-0.006	96	571453	20.0	20.9	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	97	211038	20.0	21.1	
59 n-Heptane	43	5.163	5.163	0.000	86	200258	20.0	19.8	
62 Trichloroethene	95	5.583	5.583	0.000	97	153214	20.0	20.9	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	262653	20.0	20.4	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	92	128324	20.0	20.9	
66 1,4-Dioxane	88	5.911	5.911	0.000	89	17283	400.0	385.9	
67 Dibromomethane	93	5.930	5.936	-0.006	97	88892	20.0	21.0	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	198845	20.0	21.0	
69 2-Chloroethyl vinyl ether	63	6.246	6.252	-0.006	94	71456	20.0	21.1	
72 cis-1,3-Dichloropropene	75	6.416	6.422	-0.006	95	245632	20.0	20.9	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	612990	100.0	110.3	
74 Toluene	92	6.714	6.714	0.000	98	361224	20.0	20.5	
77 trans-1,3-Dichloropropene	75	6.939	6.940	-0.001	97	224258	20.0	20.9	
75 Ethyl methacrylate	69	6.939	6.940	-0.001	74	187364	20.0	21.4	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	92	105314	20.0	21.0	
81 Tetrachloroethene	166	7.231	7.232	-0.001	97	156345	20.0	20.5	
82 1,3-Dichloropropane	76	7.292	7.298	-0.006	97	221017	20.0	20.9	
80 2-Hexanone	43	7.310	7.311	-0.001	94	461232	100.0	109.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	133476	20.0	20.4	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	128748	20.0	21.1	
87 Chlorobenzene	112	8.114	8.114	0.000	93	387937	20.0	20.7	
88 Ethylbenzene	91	8.180	8.181	-0.001	98	691905	20.0	21.0	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	94	140744	20.0	20.9	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	264886	20.0	20.7	
91 o-Xylene	106	8.728	8.728	0.000	96	255559	20.0	20.6	
92 Styrene	104	8.746	8.752	-0.006	93	443541	20.0	21.0	
95 Bromoform	173	9.020	9.020	0.000	96	81811	20.0	20.3	
94 Isopropylbenzene	105	9.093	9.099	-0.006	96	664128	20.0	21.0	
101 Bromobenzene	156	9.482	9.482	0.000	93	175151	20.0	20.9	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.482	-0.006	77	164689	20.0	21.4	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	799993	20.0	21.2	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	61	55130	20.0	21.3	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	80	52136	20.0	21.1	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	151299	20.0	20.4	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	578788	20.0	21.1	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	160590	20.0	20.7	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	130346	20.0	21.3	
107 1,2,4-Trimethylbenzene	105	10.072	10.073	-0.001	97	579358	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	94	708663	20.0	20.9	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	610175	20.0	20.9	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	96	331824	20.0	20.8	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	333900	20.0	20.6	
115 n-Butylbenzene	91	10.729	10.730	-0.001	98	563917	20.0	21.1	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	308105	20.0	20.7	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	83	31826	20.0	21.0	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	205110	20.0	20.7	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	119716	20.0	20.4	
121 Naphthalene	128	12.354	12.354	0.000	97	494383	20.0	21.4	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	189997	20.0	20.9	
S 123 Total BTEX	1				0			103.7	
S 124 Xylenes, Total	1				0			41.3	
S 125 1,2-Dichloroethene, Total	1				0			41.6	
S 126 1,3-Dichloropropene, Total	1				0			41.8	

Reagents:

8260 CORP mix_00075	Amount Added:	10.00	Units: uL	
GAS CORP mix_00159	Amount Added:	10.00	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

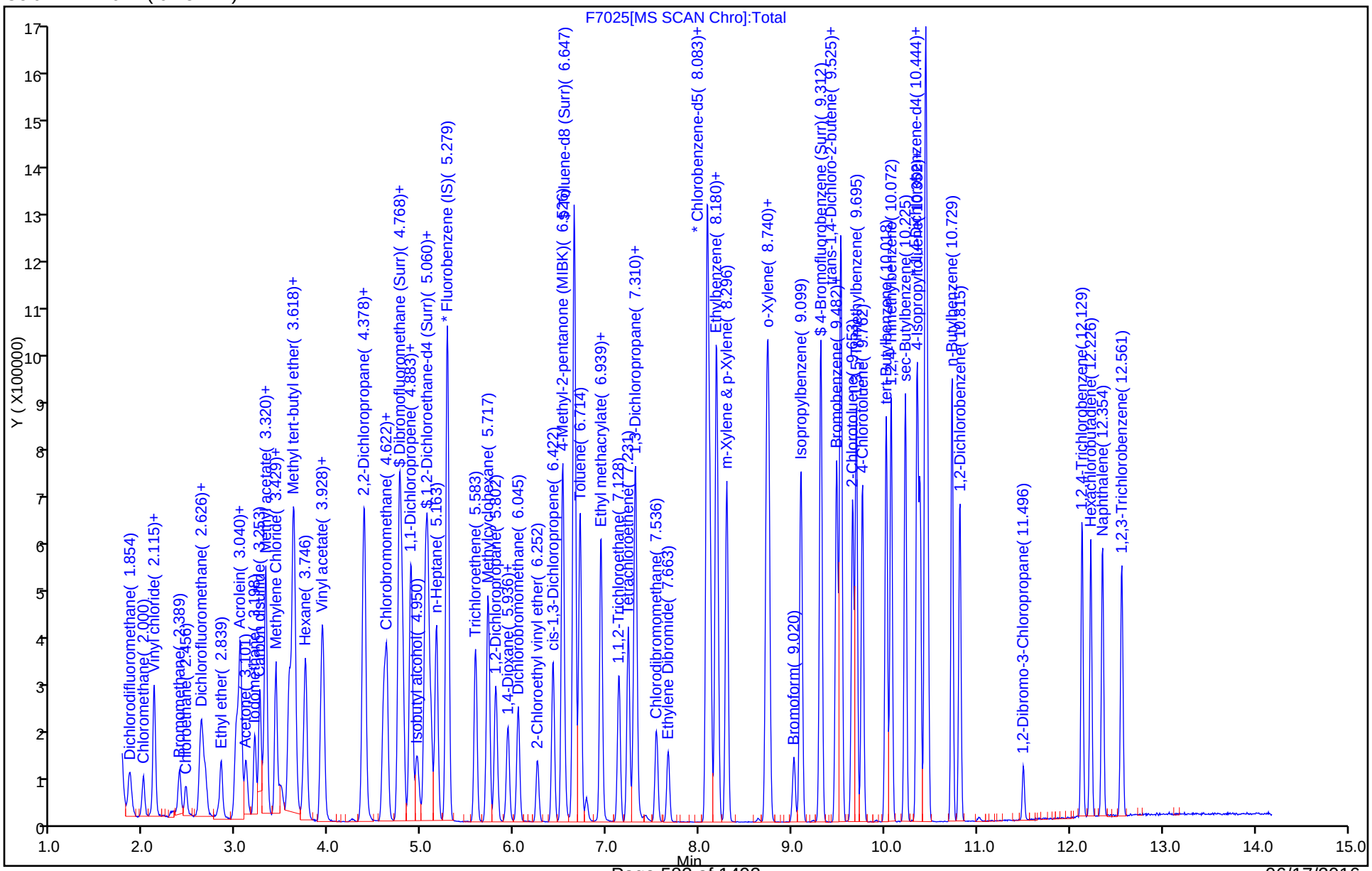
Report Date: 09-Jun-2016 10:46:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7025.D

Injection Date:	08-Jun-2016 14:25:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7026.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 08-Jun-2016 14:51:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0053862-009
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:21 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:45:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	245779	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	499170	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	450599	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.762	4.762	0.000	93	282241	50.0	50.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	177130	50.0	49.9	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	1080743	50.0	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	350968	50.0	50.5	
10 Dichlorodifluoromethane	85	1.860	1.860	0.000	99	383101	50.0	49.8	
12 Chloromethane	50	2.006	2.006	0.000	99	255152	50.0	49.6	
13 Vinyl chloride	62	2.121	2.121	0.000	99	264798	50.0	50.3	
151 Butadiene	54	2.127	2.127	0.000	94	235540	50.0	49.2	
14 Bromomethane	94	2.401	2.401	0.000	92	199967	50.0	50.1	
15 Chloroethane	64	2.468	2.468	0.000	99	153773	50.0	51.9	
16 Dichlorofluoromethane	67	2.626	2.626	0.000	96	467398	50.0	51.0	
17 Trichlorofluoromethane	101	2.657	2.657	0.000	98	501329	50.0	50.7	
18 Ethyl ether	59	2.845	2.845	0.000	89	221444	50.0	51.8	
20 Acrolein	56	2.997	2.997	0.000	99	247621	250.0	238.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	92	317412	50.0	50.6	
22 1,1-Dichloroethene	96	3.052	3.052	0.000	98	305097	50.0	50.3	
23 Acetone	43	3.113	3.113	0.000	99	513275	250.0	256.4	
25 Iodomethane	142	3.204	3.204	0.000	99	562296	50.0	49.7	
26 Carbon disulfide	76	3.259	3.259	0.000	99	1114693	50.0	50.4	
27 Methyl acetate	43	3.320	3.320	0.000	96	1010569	250.0	246.9	
28 3-Chloro-1-propene	41	3.326	3.326	0.000	85	463546	50.0	50.6	
30 Methylene Chloride	84	3.435	3.435	0.000	90	384411	50.0	52.8	
31 2-Methyl-2-propanol	59	3.490	3.490	0.000	99	320133	500.0	450.9	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	1082245	50.0	49.7	
34 trans-1,2-Dichloroethene	96	3.618	3.618	0.000	98	347210	50.0	49.6	
33 Acrylonitrile	53	3.630	3.630	0.000	98	987684	500.0	480.0	
35 Hexane	57	3.752	3.752	0.000	91	527468	50.0	53.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.928	3.928	0.000	97	1208186	100.0	100.6	
39 1,1-Dichloroethane	63	3.946	3.946	0.000	96	582917	50.0	49.1	
44 2,2-Dichloropropane	77	4.378	4.378	0.000	77	577058	50.0	50.0	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	674277	250.0	249.6	
45 cis-1,2-Dichloroethene	96	4.391	4.391	0.000	82	378766	50.0	49.6	
48 Chlorobromomethane	128	4.591	4.591	0.000	90	173082	50.0	50.4	
49 Tetrahydrofuran	42	4.610	4.610	0.000	81	171330	100.0	97.6	
50 Chloroform	83	4.628	4.628	0.000	94	639089	50.0	49.3	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	574943	50.0	50.3	
52 Cyclohexane	56	4.798	4.798	0.000	86	539973	50.0	49.2	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	507347	50.0	49.6	
55 Carbon tetrachloride	117	4.895	4.895	0.000	98	495218	50.0	50.8	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	284475	1250.0	1115.9	
57 Benzene	78	5.072	5.072	0.000	96	1370127	50.0	50.0	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	97	490572	50.0	49.1	
59 n-Heptane	43	5.163	5.163	0.000	87	487205	50.0	48.2	
62 Trichloroethene	95	5.583	5.583	0.000	97	366212	50.0	50.1	
64 Methylcyclohexane	83	5.723	5.723	0.000	87	650616	50.0	50.6	
65 1,2-Dichloropropane	63	5.808	5.808	0.000	93	302620	50.0	49.2	
66 1,4-Dioxane	88	5.911	5.911	0.000	91	44355	1000.0	1008.8	
67 Dibromomethane	93	5.936	5.936	0.000	96	212082	50.0	50.2	
68 Dichlorobromomethane	83	6.045	6.045	0.000	100	475945	50.0	50.2	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	165533	50.0	49.0	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	589869	50.0	50.3	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	94	1342423	250.0	246.0	
74 Toluene	92	6.714	6.714	0.000	99	863005	50.0	49.9	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	96	541876	50.0	51.4	
75 Ethyl methacrylate	69	6.940	6.940	0.000	74	437503	50.0	50.8	
79 1,1,2-Trichloroethane	83	7.128	7.128	0.000	92	245713	50.0	50.0	
81 Tetrachloroethene	166	7.232	7.232	0.000	98	374734	50.0	50.0	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	96	511117	50.0	49.3	
80 2-Hexanone	43	7.311	7.311	0.000	94	1006060	250.0	243.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	334976	50.0	52.2	
84 Ethylene Dibromide	107	7.664	7.664	0.000	99	297033	50.0	49.5	
87 Chlorobenzene	112	8.114	8.114	0.000	93	909474	50.0	49.5	
88 Ethylbenzene	91	8.181	8.181	0.000	98	1610165	50.0	49.8	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	93	340254	50.0	51.4	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	619909	50.0	49.3	
91 o-Xylene	106	8.728	8.728	0.000	97	608471	50.0	50.0	
92 Styrene	104	8.752	8.752	0.000	93	1030929	50.0	49.7	
95 Bromoform	173	9.020	9.020	0.000	96	205722	50.0	52.0	
94 Isopropylbenzene	105	9.099	9.099	0.000	96	1558813	50.0	50.0	
101 Bromobenzene	156	9.482	9.482	0.000	93	408351	50.0	49.5	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	86	374899	50.0	49.4	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	1852449	50.0	49.8	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	59	128769	50.0	50.6	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	121124	50.0	49.7	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	352680	50.0	48.3	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1342095	50.0	49.8	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	376019	50.0	49.3	
106 tert-Butylbenzene	134	10.018	10.018	0.000	92	303575	50.0	50.5	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	1366558	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1678637	50.0	50.4	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	1428499	50.0	49.8	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	770542	50.0	49.1	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	95	782809	50.0	49.0	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	1324825	50.0	50.4	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	728495	50.0	49.7	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	85	74480	50.0	49.9	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	479016	50.0	49.1	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	287180	50.0	49.7	
121 Naphthalene	128	12.354	12.354	0.000	97	1113678	50.0	49.0	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	435837	50.0	48.8	

Reagents:

8260 CORP mix_00075	Amount Added: 25.00	Units: uL	
GAS CORP mix_00159	Amount Added: 25.00	Units: uL	
F 8260 SURR_00149	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added: 1.00	Units: uL	Run Reagent

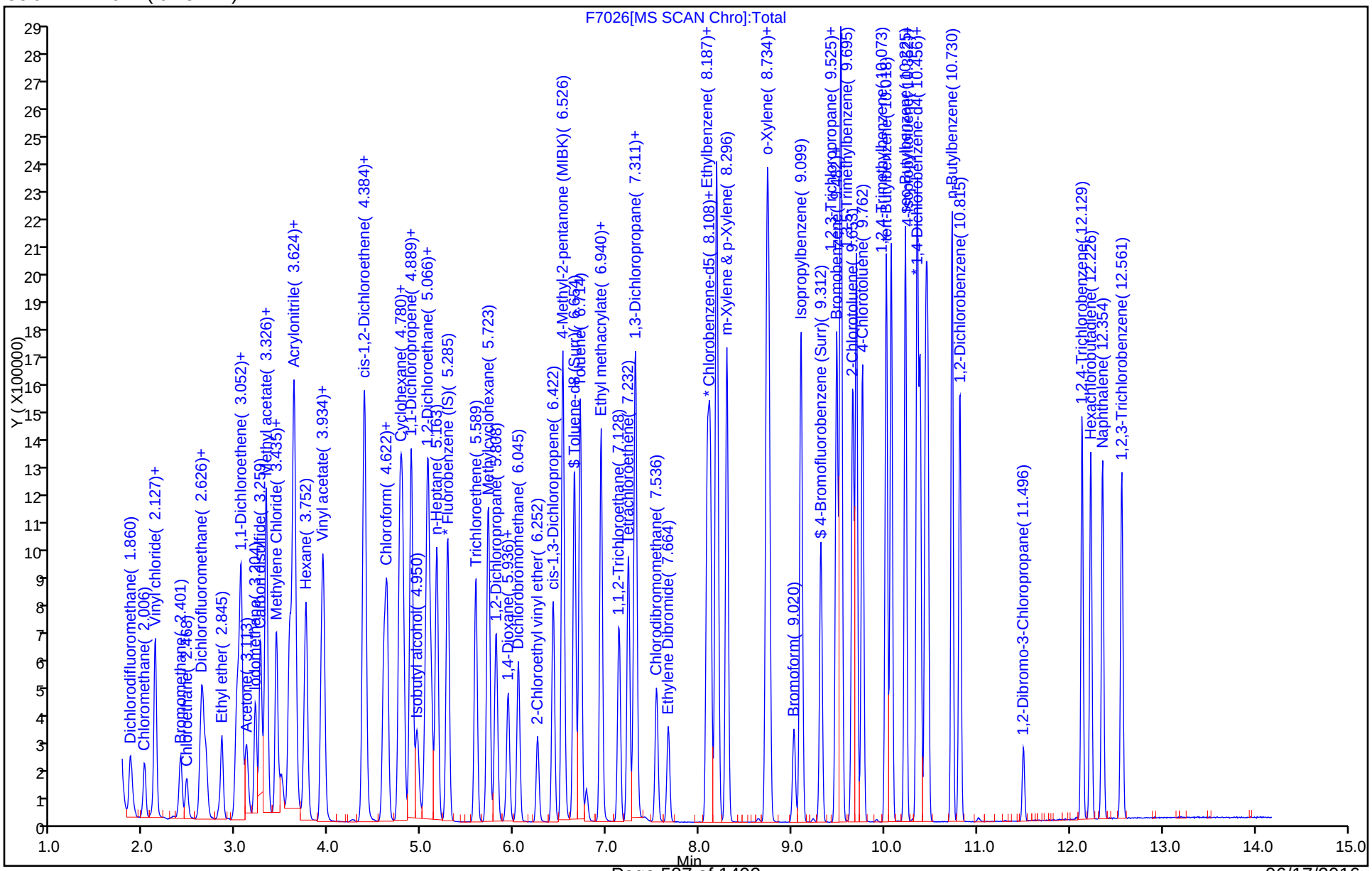
Report Date: 09-Jun-2016 10:46:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7026.D

Injection Date:	08-Jun-2016 14:51:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7027.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 08-Jun-2016 15:17:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0053862-010
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:28 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 10:00:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	249574	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	86	505094	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	450668	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.756	4.762	-0.006	92	283779	50.0	49.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	179575	50.0	49.8	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	1104385	50.0	50.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	356109	50.0	50.7	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	760306	100.0	97.4	
12 Chloromethane	50	2.006	2.006	0.000	98	513838	100.0	98.4	
13 Vinyl chloride	62	2.115	2.121	-0.006	98	526428	100.0	98.5	
151 Butadiene	54	2.121	2.127	-0.006	95	477808	100.0	98.3	
14 Bromomethane	94	2.395	2.401	-0.006	91	393828	100.0	97.2	
15 Chloroethane	64	2.456	2.468	-0.012	100	312335	100.0	103.7	
16 Dichlorofluoromethane	67	2.620	2.626	-0.006	97	936907	100.0	100.6	
17 Trichlorofluoromethane	101	2.651	2.657	-0.006	99	1000304	100.0	99.6	
18 Ethyl ether	59	2.839	2.845	-0.006	89	469617	100.0	108.3	
20 Acrolein	56	2.991	2.997	-0.006	98	501293	500.0	474.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	93	634643	100.0	99.6	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	99	615814	100.0	99.9	
23 Acetone	43	3.101	3.113	-0.012	99	1023716	500.0	508.1	
25 Iodomethane	142	3.198	3.204	-0.006	99	1133087	100.0	98.7	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	2145343	100.0	95.6	
27 Methyl acetate	43	3.314	3.320	-0.006	95	2022286	500.0	486.6	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	87	902438	100.0	97.0	
30 Methylene Chloride	84	3.429	3.435	-0.006	86	735360	100.0	103.0	
31 2-Methyl-2-propanol	59	3.484	3.490	-0.006	99	723588	1000.0	1003.6	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	2176358	100.0	98.3	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	99	684159	100.0	96.3	
33 Acrylonitrile	53	3.624	3.630	-0.006	98	1998802	1000.0	956.6	
35 Hexane	57	3.746	3.752	-0.006	91	997284	100.0	102.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	2374646	200.0	194.8	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	1145708	100.0	95.0	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	85	1146987	100.0	97.8	
43 2-Butanone (MEK)	43	4.372	4.378	-0.006	98	1367650	500.0	498.6	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	83	746079	100.0	96.3	
48 Chlorobromomethane	128	4.591	4.591	0.000	91	348274	100.0	99.9	
49 Tetrahydrofuran	42	4.610	4.610	0.000	83	356164	200.0	199.8	
50 Chloroform	83	4.628	4.628	0.000	94	1270293	100.0	96.5	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	1142540	100.0	98.5	
52 Cyclohexane	56	4.792	4.798	-0.006	87	1063664	100.0	95.5	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	999302	100.0	96.2	
55 Carbon tetrachloride	117	4.895	4.895	0.000	98	992622	100.0	100.3	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	646287	2500.0	2496.6	
57 Benzene	78	5.072	5.072	0.000	96	2651299	100.0	95.3	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	979371	100.0	96.5	
59 n-Heptane	43	5.163	5.163	0.000	86	943821	100.0	92.0	
62 Trichloroethene	95	5.583	5.583	0.000	97	729997	100.0	98.3	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	1260279	100.0	96.5	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	91	598041	100.0	95.8	
66 1,4-Dioxane	88	5.905	5.911	-0.006	89	94256	2000.0	2118.6	
67 Dibromomethane	93	5.930	5.936	-0.006	97	424010	100.0	98.9	
68 Dichlorobromomethane	83	6.045	6.045	0.000	100	980082	100.0	101.9	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	93	344336	100.0	100.4	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	1183472	100.0	99.3	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	93	2670568	500.0	483.7	
74 Toluene	92	6.714	6.714	0.000	99	1696563	100.0	96.9	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	96	1083487	100.0	101.5	
75 Ethyl methacrylate	69	6.940	6.940	0.000	86	885141	100.0	101.6	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	92	489913	100.0	98.4	
81 Tetrachloroethene	166	7.232	7.232	0.000	98	740044	100.0	97.6	
82 1,3-Dichloropropane	76	7.292	7.298	-0.006	97	1013792	100.0	96.7	
80 2-Hexanone	43	7.311	7.311	0.000	93	2024686	500.0	484.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	695421	100.0	107.2	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	615077	100.0	101.2	
87 Chlorobenzene	112	8.114	8.114	0.000	93	1791918	100.0	96.3	
88 Ethylbenzene	91	8.181	8.181	0.000	98	3074773	100.0	94.0	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.193	0.006	93	699163	100.0	104.4	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	100	1233228	100.0	96.9	
91 o-Xylene	106	8.728	8.728	0.000	96	1195048	100.0	97.1	
92 Styrene	104	8.752	8.752	0.000	93	2037862	100.0	97.1	
95 Bromoform	173	9.020	9.020	0.000	97	444245	100.0	111.0	
94 Isopropylbenzene	105	9.099	9.099	0.000	97	3009996	100.0	96.5	
101 Bromobenzene	156	9.482	9.482	0.000	93	812487	100.0	98.4	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	92	764380	100.0	100.7	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	3463804	100.0	93.1	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	73	263941	100.0	103.7	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	247897	100.0	101.7	
103 2-Chlorotoluene	126	9.659	9.653	0.006	96	716914	100.0	98.1	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	94	2605073	100.0	96.6	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	750848	100.0	98.4	
106 tert-Butylbenzene	134	10.018	10.018	0.000	90	594353	100.0	98.8	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	2626088	100.0	96.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	3130242	100.0	93.9	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	95	2722669	100.0	95.0	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	1531755	100.0	97.5	
113 1,4-Dichlorobenzene	146	10.468	10.462	0.006	95	1544961	100.0	96.6	
115 n-Butylbenzene	91	10.730	10.730	0.000	96	2507565	100.0	95.3	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	1445835	100.0	98.6	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	91	161252	100.0	108.0	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	95	965042	100.0	98.9	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	575789	100.0	99.7	
121 Naphthalene	128	12.354	12.354	0.000	98	2255683	100.0	99.3	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	893242	100.0	99.9	
S 123 Total BTEX	1				0			480.2	
S 124 Xylenes, Total	1				0			193.9	
S 125 1,2-Dichloroethene, Total	1				0			192.6	
S 126 1,3-Dichloropropene, Total	1				0			200.8	

Reagents:

8260 CORP mix_00075	Amount Added:	50.00	Units: uL	
GAS CORP mix_00159	Amount Added:	50.00	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

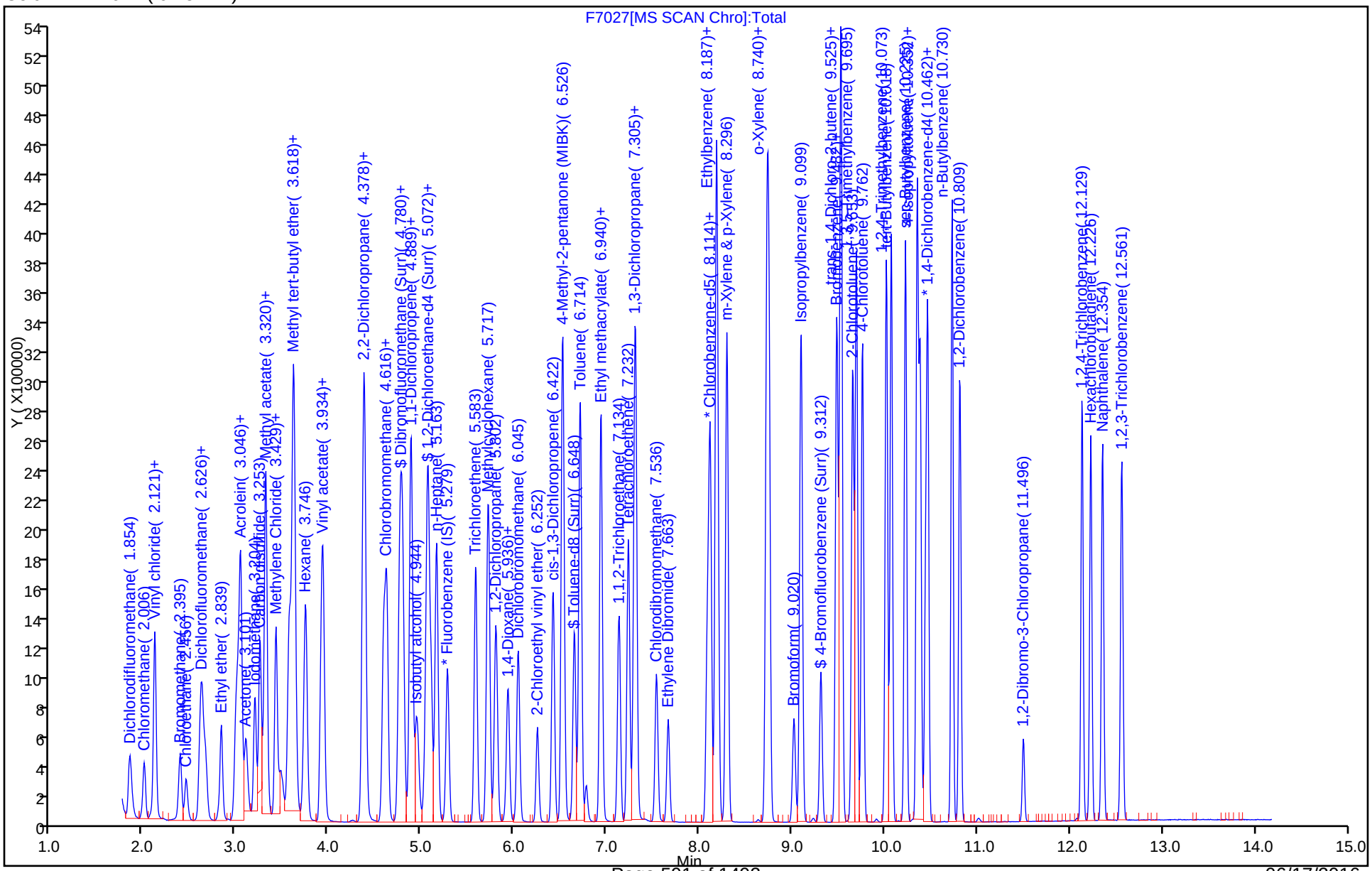
Report Date: 09-Jun-2016 10:46:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7027.D

Injection Date:	08-Jun-2016 15:17:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7028.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 08-Jun-2016 15:42:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0053862-011
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:32 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 10:02:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	258971	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	534341	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	475098	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.762	4.762	0.000	93	294417	50.0	49.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.042	5.041	0.001	0	184326	50.0	49.3	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	92	1147250	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	372209	50.0	50.1	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	1385199	200.0	171.0	
12 Chloromethane	50	2.018	2.006	0.012	99	907626	200.0	167.5	
13 Vinyl chloride	62	2.127	2.121	0.006	98	930403	200.0	167.8	
151 Butadiene	54	2.127	2.127	0.000	92	872142	200.0	172.9	
14 Bromomethane	94	2.401	2.401	0.000	92	738384	200.0	175.7	
15 Chloroethane	64	2.462	2.468	-0.006	99	568122	200.0	181.8	
16 Dichlorofluoromethane	67	2.626	2.626	0.000	98	1675949	200.0	173.4	
17 Trichlorofluoromethane	101	2.669	2.657	0.012	99	1831113	200.0	175.6	
18 Ethyl ether	59	2.839	2.845	-0.006	88	867826	200.0	192.8	
20 Acrolein	56	2.991	2.997	-0.006	99	967633	1000.0	883.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	94	1186556	200.0	179.5	
22 1,1-Dichloroethene	96	3.052	3.052	0.000	99	1166228	200.0	182.4	
23 Acetone	43	3.101	3.113	-0.012	99	2040692	1000.0	980.2	
25 Iodomethane	142	3.204	3.204	0.000	100	2170729	200.0	182.2	
26 Carbon disulfide	76	3.259	3.259	0.000	99	3984823	200.0	171.1	
27 Methyl acetate	43	3.314	3.320	-0.006	95	3710967	1000.0	860.6	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	86	1702734	200.0	176.4	
30 Methylene Chloride	84	3.429	3.435	-0.006	85	1403573	200.0	192.8	
31 2-Methyl-2-propanol	59	3.484	3.490	-0.006	99	1515959	2000.0	2026.3	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	94	4104175	200.0	178.7	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	98	1295871	200.0	175.8	
33 Acrylonitrile	53	3.630	3.630	0.000	96	3662169	2000.0	1689.1	
35 Hexane	57	3.746	3.752	-0.006	91	1916123	200.0	191.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.928	3.928	0.000	97	4409192	400.0	348.5	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	2190071	200.0	174.9	
44 2,2-Dichloropropane	77	4.378	4.378	0.000	81	2170444	200.0	178.4	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	96	2592031	1000.0	910.6	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	83	1424519	200.0	177.2	
48 Chlorobromomethane	128	4.591	4.591	0.000	89	689413	200.0	190.5	
49 Tetrahydrofuran	42	4.610	4.610	0.000	81	684742	400.0	370.3	
50 Chloroform	83	4.628	4.628	0.000	94	2468562	200.0	180.7	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	2209153	200.0	183.5	
52 Cyclohexane	56	4.798	4.798	0.000	87	1979061	200.0	171.2	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	1915115	200.0	177.7	
55 Carbon tetrachloride	117	4.896	4.895	0.001	98	1946496	200.0	189.6	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	1351089	5000.0	5029.8	
57 Benzene	78	5.072	5.072	0.000	97	4793235	200.0	166.1	
58 1,2-Dichloroethane	62	5.108	5.102	0.006	98	1940613	200.0	184.4	
59 n-Heptane	43	5.163	5.163	0.000	86	1800354	200.0	169.2	
62 Trichloroethene	95	5.589	5.583	0.006	97	1424420	200.0	184.9	
64 Methylcyclohexane	83	5.723	5.723	0.000	88	2370060	200.0	175.0	
65 1,2-Dichloropropane	63	5.808	5.808	0.000	91	1188913	200.0	183.6	
66 1,4-Dioxane	88	5.911	5.911	0.000	90	214386	4000.0	4554.9	M
67 Dibromomethane	93	5.936	5.936	0.000	97	852622	200.0	191.6	
68 Dichlorobromomethane	83	6.045	6.045	0.000	100	1965182	200.0	196.8	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	93	705046	200.0	198.1	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	2341247	200.0	189.3	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	94	4729837	1000.0	809.8	
74 Toluene	92	6.715	6.714	0.000	96	3221979	200.0	173.9	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	96	2166094	200.0	191.8	
75 Ethyl methacrylate	69	6.940	6.940	0.000	72	1716297	200.0	186.3	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	93	982383	200.0	186.6	
81 Tetrachloroethene	166	7.232	7.232	0.000	97	1471383	200.0	183.4	
82 1,3-Dichloropropane	76	7.299	7.298	0.001	96	1997930	200.0	180.1	
80 2-Hexanone	43	7.311	7.311	0.000	92	3672404	1000.0	831.1	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	1436252	200.0	209.2	
84 Ethylene Dibromide	107	7.664	7.664	0.000	98	1247882	200.0	194.1	
87 Chlorobenzene	112	8.114	8.114	0.000	90	3419106	200.0	173.7	
88 Ethylbenzene	91	8.181	8.181	0.000	97	5364925	200.0	155.1	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.193	0.006	94	1374217	200.0	193.9	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	97	2382919	200.0	176.9	
91 o-Xylene	106	8.728	8.728	0.000	95	2276689	200.0	174.8	
92 Styrene	104	8.752	8.752	0.000	91	3787446	200.0	170.5	
95 Bromoform	173	9.020	9.020	0.000	96	930384	200.0	219.8	
94 Isopropylbenzene	105	9.099	9.099	0.000	98	5257279	200.0	159.8	
101 Bromobenzene	156	9.483	9.482	0.001	93	1615677	200.0	185.7	
97 1,1,2,2-Tetrachloroethane	83	9.483	9.482	0.001	77	1479368	200.0	184.9	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	5730942	200.0	146.2	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	57	525231	200.0	195.8	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	81	481206	200.0	187.3	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	1388516	200.0	180.2	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	96	4541020	200.0	159.7	
105 4-Chlorotoluene	126	9.762	9.762	0.000	97	1471940	200.0	183.0	
106 tert-Butylbenzene	134	10.018	10.018	0.000	90	1135961	200.0	179.1	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	4575085	200.0	158.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	5202820	200.0	148.1	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	92	4625320	200.0	153.0	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	95	2900888	200.0	175.2	
113 1,4-Dichlorobenzene	146	10.468	10.462	0.006	92	2929947	200.0	173.8	
115 n-Butylbenzene	91	10.730	10.730	0.000	93	4306576	200.0	155.3	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	95	2747003	200.0	177.7	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	87	324986	200.0	206.4	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	95	1832441	200.0	178.2	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	1116945	200.0	183.4	
121 Naphthalene	128	12.354	12.354	0.000	99	4022471	200.0	168.0	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	1724426	200.0	182.9	
S 123 Total BTEX	1				0			846.9	
S 124 Xylenes, Total	1				0			351.7	
S 125 1,2-Dichloroethene, Total	1				0			353.0	
S 126 1,3-Dichloropropene, Total	1				0			381.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00075	Amount Added: 100.00	Units: uL	
GAS CORP mix_00159	Amount Added: 100.00	Units: uL	
F 8260 SURR_00149	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added: 1.00	Units: uL	Run Reagent

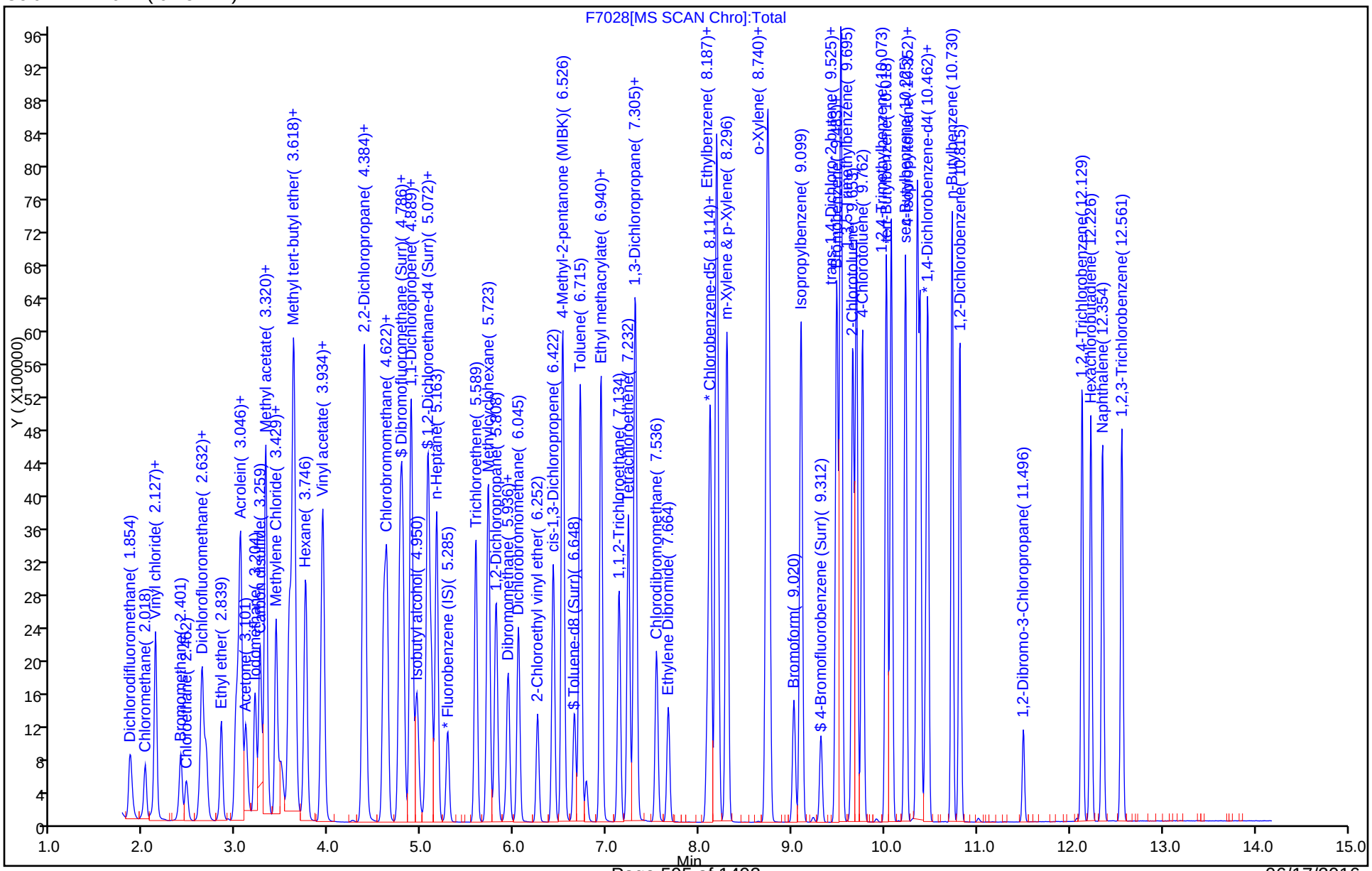
Report Date: 09-Jun-2016 10:46:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7028.D

Injection Date:	08-Jun-2016 15:42:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

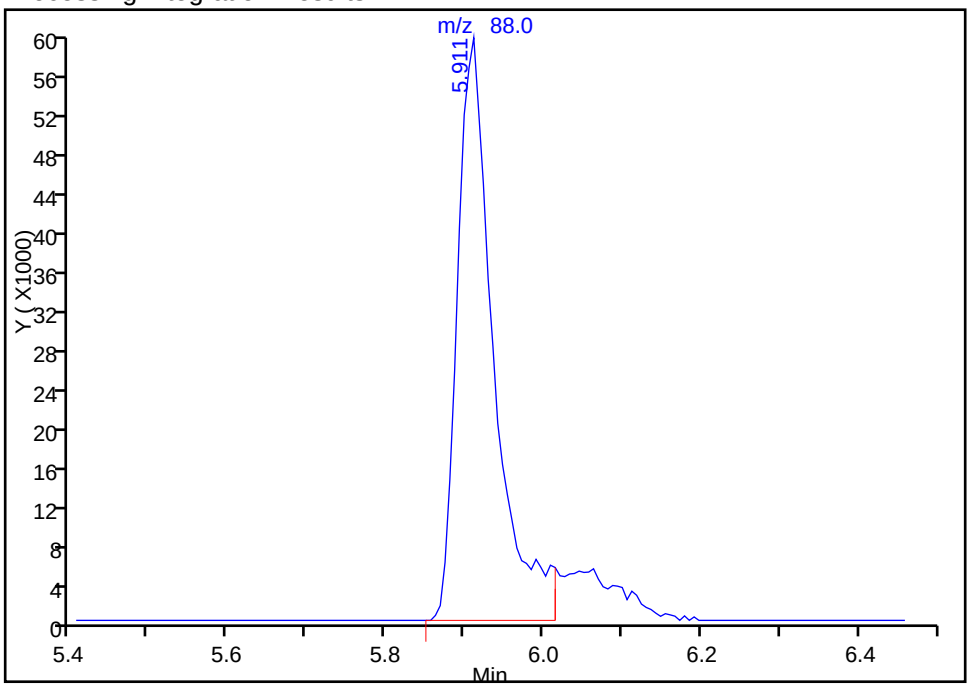
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7028.D
Injection Date: 08-Jun-2016 15:42:30 Instrument ID: HP5973F
Lims ID: IC 7
Client ID:
Operator ID: CDC ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

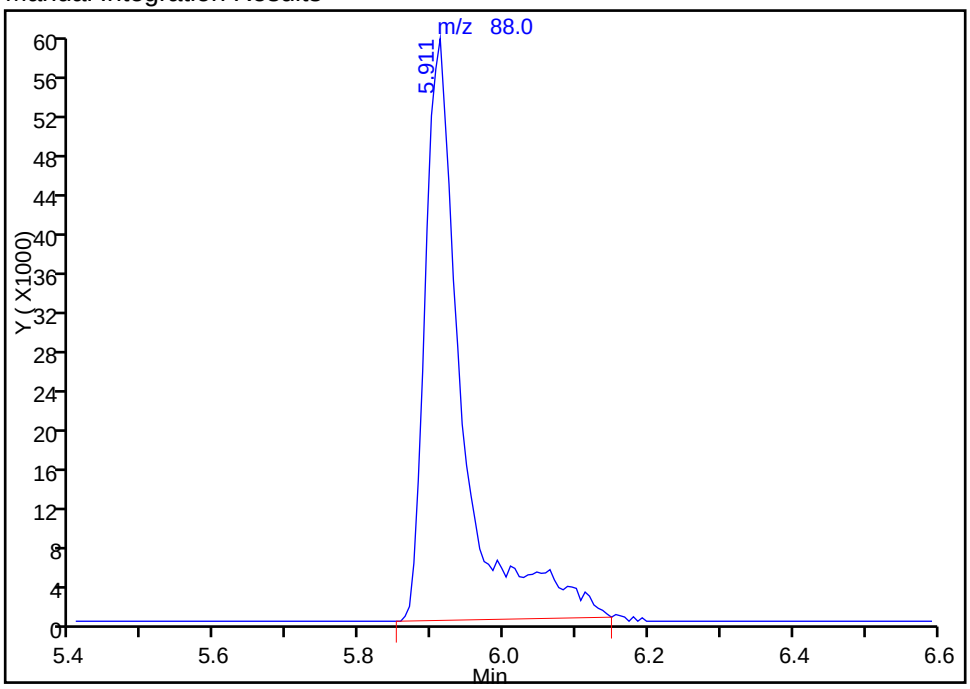
Processing Integration Results

RT: 5.91
Area: 191612
Amount: 4340.5680
Amount Units: ug/kg



Manual Integration Results

RT: 5.91
Area: 214386
Amount: 4554.9356
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 10:02:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-302462/4	N3474.D
Level 2	IC 480-302462/5	N3475.D
Level 3	IC 480-302462/6	N3476.D
Level 4	IC 480-302462/7	N3477.D
Level 5	IC 480-302462/8	N3478.D
Level 6	ICIS 480-302462/9	N3479.D
Level 7	IC 480-302462/10	N3480.D
Level 8	IC 480-302462/11	N3481.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.1548	1.0026 1.1517	0.8680 1.0523	1.1699	0.8820	Ave		1.0402			0.1000	12.3		20.0			
Chloromethane	+++++ 1.9371	2.1856 1.7992	1.8977 1.7170	2.0774	1.7475	Ave		1.9088			0.1000	9.1		20.0			
Vinyl chloride	+++++ 1.5608	1.6580 1.4653	1.3576 1.3663	1.4677	1.2861	Ave		1.4517			0.1000	8.8		20.0			
Butadiene	1.5693 1.8173	1.7697 1.6901	1.4213 1.4885	1.7676	1.3676	Ave		1.6114				10.8		20.0			
Bromomethane	0.7556 0.6552	0.8435 0.6775	0.7368 0.6246	0.6822	0.6033	Ave		0.6973			0.1000	11.2		20.0			
Chloroethane	0.7873 0.8175	0.8942 0.8334	0.7943 0.7826	0.8017	0.7679	Ave		0.8099			0.1000	4.9		20.0			
Dichlorofluoromethane	+++++ 1.8175	1.8721 1.7816	1.9621 1.6979	1.8698	1.6603	Ave		1.8088				5.8		20.0			
Trichlorofluoromethane	+++++ 1.4203	1.2263 1.3826	1.0003 1.3455	1.3377	1.0623	Ave		1.2536			0.1000	13.1		20.0			
Ethyl ether	1.4931 1.5232	1.5828 1.4228	1.4768 1.3198	1.4220	1.4723	Ave		1.4641				5.3		20.0			
Acrolein	+++++ 0.3277	0.3424 0.3037	0.3345 0.2937	0.3459	0.3219	Ave		0.3243				6.0		20.0			
1,1-Dichloroethene	+++++ 1.1048	0.9949 1.0479	1.0431 0.9244	0.9800	1.0816	Ave		1.0252			0.1000	6.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0253	0.6499 0.9337	0.7847 0.8519	0.8972	1.0173	Ave		0.8800			0.1000	15.1		20.0			
Acetone	+++++ 0.4986	0.6094 0.4478	0.6120 0.4359	0.5240	0.4583	Ave		0.5123			0.1000	14.4		20.0			
Iodomethane	1.5469 1.6531	1.5838 1.5720	1.6706 1.4531	1.6427	1.5899	Ave		1.5890				4.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 3.6214	3.3895 3.4042	3.3228 3.0151	3.3779	3.6633	Ave		3.3992			0.1000	6.3		20.0			
Allyl chloride	+++++ 2.5170	2.7666 2.3472	2.5108 2.0814	2.5060	2.6128	Ave		2.4774				8.7		20.0			
Methyl acetate	1.3146 1.3315	1.4442 1.2380	1.4113 1.1216	1.3821	1.2792	Ave		1.3153			0.1000	7.9		20.0			
Methylene Chloride	+++++ 1.3369	2.3483 1.1996	1.7181 1.1511	1.4608	1.3872	Lin1	1.2757	1.1738			0.1000				0.9980		0.9900
2-Methyl-2-propanol	+++++ 0.1853	0.1843 0.1688	0.1894 0.1727	0.1787	0.1660	Ave		0.1779				5.0		20.0			
Methyl tert-butyl ether	+++++ 3.8371	4.0765 3.6007	4.0418 3.4371	3.8882	3.8534	Ave		3.8193			0.1000	6.0		20.0			
trans-1,2-Dichloroethene	1.0800 1.1720	1.0651 1.1410	1.0962 1.0409	1.1333	1.2153	Ave		1.1180			0.1000	5.2		20.0			
Acrylonitrile	0.6685 0.7209	0.7071 0.6490	0.7712 0.5921	0.7356	0.6778	Ave		0.6903				8.1		20.0			
Hexane	+++++ 2.2965	1.9395 2.1285	1.9189 1.8563	2.0488	2.2946	Ave		2.0690				8.6		20.0			
1,1-Dichloroethane	2.3321 2.4863	2.4627 2.3019	2.3947 2.1213	2.3784	2.4455	Ave		2.3654			0.2000	5.0		20.0			
Vinyl acetate	3.1863 3.3266	3.3089 3.0661	3.4251 2.7182	3.4032	3.1658	Ave		3.2000				7.2		20.0			
2,2-Dichloropropane	1.0931 1.1646	1.3108 1.0725	1.0540 0.9520	1.0054	1.1519	Ave		1.1005				10.0		20.0			
cis-1,2-Dichloroethene	+++++ 1.2944	1.4999 1.2557	1.3611 1.1519	1.3625	1.3330	Ave		1.3226			0.1000	8.1		20.0			
2-Butanone (MEK)	0.8340 0.7836	0.8350 0.7175	0.8515 0.6606	0.8059	0.7305	Ave		0.7773			0.1000	8.7		20.0			
Chlorobromomethane	0.5529 0.5969	0.5478 0.5811	0.5791 0.5380	0.6205	0.5916	Ave		0.5760				4.9		20.0			
Tetrahydrofuran	+++++ 0.5599	0.6353 0.5219	0.5849 0.5025	0.5798	0.5383	Ave		0.5604				8.0		20.0			
Chloroform	2.0315 2.0285	2.0815 1.9387	2.0667 1.8047	1.9239	2.0361	Ave		1.9890			0.2000	4.7		20.0			
1,1,1-Trichloroethane	+++++ 1.6052	1.2266 1.5069	1.3459 1.3804	1.4695	1.6100	Ave		1.4492			0.1000	9.7		20.0			
Cyclohexane	+++++ 2.6395	2.0883 2.4223	2.2104 2.1490	2.3796	2.5256	Ave		2.3450			0.1000	8.7		20.0			
Carbon tetrachloride	+++++ 1.3088	1.2206 1.2636	1.1031 1.1443	1.1448	1.3410	Ave		1.2180			0.1000	7.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 1.5866	1.4812 1.4687	1.4230 1.3408	1.4873	1.5674	Ave		1.4793				5.6		20.0			
Isobutyl alcohol	0.0835 0.0884	0.0776 0.0756	0.0859 0.0734	0.0826	0.0716	Ave		0.0798				7.7		20.0			
Benzene	+++++ 4.7281	4.7121 4.4108	4.8482 3.9874	4.7173	4.7709	Ave		4.5964			0.5000	6.6		20.0			
1,2-Dichloroethane	1.9304 1.7631	2.0190 1.6748	1.8903 1.5828	1.8158	1.7321	Ave		1.8010			0.1000	7.9		20.0			
n-Heptane	+++++ 2.2373	1.9043 2.1083	1.9658 1.7961	2.2023	2.1444	Ave		2.0512				8.0		20.0			
Trichloroethene	1.0344 1.1380	1.0491 1.0987	1.0744 1.0190	1.0498	1.1491	Ave		1.0766			0.2000	4.5		20.0			
Methylcyclohexane	+++++ 2.0936	1.7065 1.9430	1.7974 1.7462	1.9187	2.0330	Ave		1.8912			0.1000	7.7		20.0			
1,2-Dichloropropane	+++++ 1.2808	1.2527 1.2528	1.2951 1.1649	1.2936	1.2653	Ave		1.2579			0.1000	3.5		20.0			
Dibromomethane	+++++ 0.7168	0.6836 0.6807	0.7159 0.6350	0.6565	0.6862	Ave		0.6821			0.1000	4.3		20.0			
1,4-Dioxane	+++++ 0.0046	0.0041 0.0034	0.0046 0.0035	0.0039	0.0033	Ave		0.0039				13.7		20.0			
Bromodichloromethane	+++++ 1.5037	1.3332 1.4443	1.4580 1.3761	1.4904	1.4151	Ave		1.4315			0.2000	4.3		20.0			
2-Chloroethyl vinyl ether	+++++ 0.8132	0.6760 0.8179	0.7609 0.7480	0.7186	0.7324	Ave		0.7524				6.7		20.0			
cis-1,3-Dichloropropene	+++++ 1.8941	1.9385 1.8316	1.9047 1.6766	1.8695	1.8590	Ave		1.8534			0.2000	4.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.1900 0.1955	0.1927 0.1828	0.2066 0.1749	0.1975	0.1897	Ave		0.1912			0.1000	5.0		20.0			
Toluene	+++++ 0.8816	0.8537 0.8486	0.9022 0.7935	0.8852	0.9023	Ave		0.8667			0.4000	4.5		20.0			
trans-1,3-Dichloropropene	0.5042 0.5356	0.5250 0.5102	0.4937 0.4843	0.5199	0.5092	Ave		0.5103			0.1000	3.3		20.0			
Ethyl methacrylate	0.4386 0.4669	0.4276 0.4416	0.4319 0.4283	0.4297	0.4253	Ave		0.4362				3.1		20.0			
1,1,2-Trichloroethane	+++++ 0.2579	0.2125 0.2474	0.2401 0.2419	0.2500	0.2557	Ave		0.2436			0.1000	6.3		20.0			
Tetrachloroethene	+++++ 0.3454	0.3045 0.3148	0.2794 0.2965	0.3239	0.3251	Ave		0.3128			0.2000	6.9		20.0			
1,3-Dichloropropane	+++++ 0.5303	0.5475 0.5174	0.5145 0.4934	0.5330	0.5112	Ave		0.5210				3.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2738 0.2995	0.2955 0.2775	0.3129 0.2548	0.3069	0.2788	Ave		0.2875			0.1000	6.8		20.0			
Dibromochloromethane	0.3225 0.3262	0.2793 0.3222	0.2702 0.3140	0.3130	0.2947	Ave		0.3053			0.1000	7.0		20.0			
1,2-Dibromoethane	0.3003 0.3211	0.2626 0.3045	0.3252 0.2941	0.2942	0.3080	Ave		0.3012				6.4		20.0			
Chlorobenzene	0.8760 0.9168	0.8939 0.8627	0.9501 0.8067	0.8836	0.8979	Ave		0.8860			0.5000	4.7		20.0			
1,1,1,2-Tetrachloroethane	0.2988 0.3154	0.2699 0.3068	0.3229 0.2983	0.3149	0.3069	Ave		0.3042				5.3		20.0			
Ethylbenzene	1.7883 1.5891	1.9364 1.4842	1.7201 1.3385	1.6491	1.6597	Ave		1.6457			0.1000	11.1		20.0			
m,p-Xylene	+++++ 0.6554	1.2046 0.6148	0.8991 0.5740	0.7241	0.6730	Lin1	0.6618	0.5868			0.1000				0.9980		0.9900
o-Xylene	+++++ 0.6393	0.7558 0.6090	0.6960 0.5819	0.6826	0.6554	Ave		0.6600			0.3000	8.8		20.0			
Styrene	0.9797 1.0350	0.9721 0.9818	1.0364 0.9208	0.9947	1.0297	Ave		0.9938			0.3000	4.0		20.0			
Bromoform	+++++ 0.1881	0.1867 0.1888	0.1772 0.1896	0.1719	0.1755	Ave		0.1825			0.1000	4.1		20.0			
Isopropylbenzene	3.0669 3.3587	3.1852 3.2139	3.2203 2.8712	3.2844	3.4275	Ave		3.2035			0.1000	5.4		20.0			
Bromobenzene	0.7006 0.7521	0.7274 0.7591	0.7245 0.7112	0.7128	0.8013	Ave		0.7361				4.5		20.0			
1,1,2,2-Tetrachloroethane	0.8755 0.8818	0.8850 0.8738	0.9153 0.8316	0.8911	0.9042	Ave		0.8823			0.3000	2.8		20.0			
1,2,3-Trichloropropane	+++++ 0.2815	0.2804 0.2682	0.2372 0.2554	0.2646	0.2611	Ave		0.2641				5.8		20.0			
trans-1,4-Dichloro-2-butene	0.3620 0.3573	0.3597 0.3558	0.2932 0.3207	0.3505	0.3683	Ave		0.3459				7.4		20.0			
N-Propylbenzene	3.6152 3.9674	3.6418 3.7928	3.9349 3.3025	4.0217	4.0086	Ave		3.7856				6.7		20.0			
2-Chlorotoluene	+++++ 0.7596	0.7187 0.7465	0.7405 0.7095	0.7421	0.7667	Ave		0.7405				2.8		20.0			
1,3,5-Trimethylbenzene	+++++ 2.8591	2.6901 2.7056	2.7973 2.4381	2.8447	2.9102	Ave		2.7493				5.8		20.0			
4-Chlorotoluene	2.8738 2.8213	2.8513 2.6985	3.0398 2.4565	2.8881	2.8276	Ave		2.8071				6.1		20.0			
tert-Butylbenzene	+++++ 0.5799	0.5581 0.5641	0.5449 0.5330	0.6329	0.5640	Ave		0.5681				5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.8345 2.8832	2.8888 2.7573	3.1036 2.5055	2.9286	2.9244	Ave		2.8532				6.0		20.0			
sec-Butylbenzene	3.2989 3.6197	3.5316 3.3667	3.4279 3.0080	3.5749	3.6605	Ave		3.4360				6.2		20.0			
1,3-Dichlorobenzene	1.4498 1.4939	1.5353 1.4045	1.5001 1.3340	1.5158	1.5016	Ave		1.4669			0.6000	4.6		20.0			
4-Isopropyltoluene	2.7000 3.0009	2.9141 2.7985	2.9219 2.5302	2.9557	3.1122	Ave		2.8667				6.4		20.0			
1,4-Dichlorobenzene	+++++ 1.4630	1.4843 1.4295	1.4918 1.3452	1.5056	1.5032	Ave		1.4604			0.5000	3.9		20.0			
n-Butylbenzene	+++++ 2.8505	2.5850 2.6121	2.7256 2.3990	2.7876	2.8830	Ave		2.6918				6.4		20.0			
1,2-Dichlorobenzene	+++++ 1.3815	1.4824 1.3351	1.4602 1.2945	1.4161	1.4236	Ave		1.3991			0.4000	4.8		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1719	0.1453 0.1620	0.1807 0.1715	0.1757	0.1799	Ave		0.1696			0.0500	7.3		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9571	1.0600 0.8789	0.9300 0.8767	1.0021	0.9438	Ave		0.9498			0.2000	6.9		20.0			
Hexachlorobutadiene	+++++ 0.4942	0.4819 0.4596	0.4818 0.4521	0.5388	0.4829	Ave		0.4845				5.8		20.0			
Naphthalene	2.4770 2.6686	2.6392 2.4142	2.4286 2.4037	2.7587	2.6139	Ave		2.5505				5.3		20.0			
1,2,3-Trichlorobenzene	0.8099 0.8908	0.9086 0.7947	0.8069 0.8230	0.8750	0.8888	Ave		0.8497				5.4		20.0			
Dibromofluoromethane (Surr)	1.1223 1.1687	1.1460 1.1672	1.1383 1.1514	1.1971	1.1292	Ave		1.1525				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5092 1.5649	1.5388 1.4747	1.5139 1.4704	1.5399	1.4802	Ave		1.5115				2.3		20.0			
Toluene-d8 (Surr)	1.4172 1.4072	1.3657 1.3652	1.3846 1.3782	1.3935	1.3785	Ave		1.3863				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.3701 0.3890	0.3675 0.3689	0.3783 0.3803	0.3881	0.3735	Ave		0.3770				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-302462/4	N3474.D
Level 2	IC 480-302462/5	N3475.D
Level 3	IC 480-302462/6	N3476.D
Level 4	IC 480-302462/7	N3477.D
Level 5	IC 480-302462/8	N3478.D
Level 6	ICIS 480-302462/9	N3479.D
Level 7	IC 480-302462/10	N3480.D
Level 8	IC 480-302462/11	N3481.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 199473	6893 405771	11931 750019	39806	60939	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 334610	15027 633926	26084 1223744	70686	120738	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 269614	11399 516287	18660 973791	49939	88856	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5398 313913	12167 595476	19536 1060880	60144	94486	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	2599 113172	5799 238720	10128 445207	23211	41680	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2708 141218	6148 293631	10918 557781	27280	53054	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 313961	12871 627719	26969 1210170	63622	114711	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 245347	8431 487136	13749 958993	45517	73394	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5136 263113	10882 501306	20299 940692	48385	101723	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 283041	11772 535020	22989 1046791	58843	111202	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 190845	6840 369211	14337 658864	33346	74725	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 177112	4468 328983	10786 607206	30527	70288	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 430600	20950 788955	42059 1553245	89141	158334	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5321 285549	10889 553879	22963 1035712	55894	109849	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 625549	23304 1199426	45672 2148952	114936	253095	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	+++++ 434782	19021 826999	34512 1483457	85267	180519	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	22610 1150005	49647 2181028	96995 3997181	235134	441886	2.50 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Lin1	+++++ 230932	16145 422656	23615 820399	49706	95842	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 320150	12670 594827	26040 1230748	60819	114689	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	+++++ 662823	28027 1268639	55556 2449721	132297	266232	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3715 202457	7323 402002	15068 741874	38560	83964	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	22994 1245207	48617 2286797	106008 4220230	250301	468319	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 396689	13335 749929	26376 1323033	69710	158534	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	8022 429489	16932 811053	32916 1511951	80926	168963	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	21920 1149276	45499 2160607	94158 3874781	231595	437446	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3760 201176	9012 377872	14487 678538	34211	79588	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 223596	10312 442440	18709 820965	46359	92098	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	14343 676758	28704 1264007	58519 2354053	137100	252355	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1902 103112	3766 204733	7960 383430	21112	40873	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 193439	8736 367749	16078 716247	39455	74382	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	6988 350405	14311 683075	28407 1286248	65462	140673	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 277281	8433 530942	18499 983893	50002	111236	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 455944	14358 853446	30383 1531660	80967	174496	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 226083	8392 445199	15162 815586	38952	92650	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 274071	10184 517482	19560 955639	50607	108290	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	7179 381801	13341 665844	29529 1307441	70288	123586	12.5 625	25.0 1250	50.0 2500	125	250

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	+++++ 816731	32397 1554084	66640 2841998	160508	329620	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	6640 304554	13881 590094	25982 1128123	61784	119670	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 386469	13093 742810	27020 1280152	74934	148156	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3558 196581	7213 387096	14768 726311	35719	79394	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 361650	11733 684593	24706 1244570	65284	140462	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 221240	8613 441394	17801 830285	44016	87423	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	+++++ 123823	4700 239823	9840 452595	22337	47413	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Ave	+++++ 50671	1762 76424	3953 153632	8528	14074	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	+++++ 259746	9166 508865	20041 980775	50713	97771	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 140474	4648 288168	10459 533099	24451	50603	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 327186	13328 645319	26181 1194969	63611	128435	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	9992 543666	20731 1038390	44808 1932971	106987	201302	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	+++++ 490235	18367 964129	39141 1753928	95921	191519	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	5305 297830	11295 579636	21421 1070343	56331	108079	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4614 259609	9199 501755	18738 946672	46565	90269	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 143439	4571 281082	10417 534694	27091	54262	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 192058	6552 357647	12124 655405	35101	69009	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	+++++ 294909	11779 587777	22323 1090622	57754	108504	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14403 832668	31786 1576395	67874 2815896	166269	295842	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	3393 181394	6009 366042	11724 694028	33917	62545	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	3159 178570	5649 345893	14108 650040	31875	65382	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	9216 509824	19233 980158	41221 1782951	95747	190584	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	3144 175406	5807 348537	14009 659422	34121	65130	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	18814 883654	41661 1686201	74628 2958394	178692	352272	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Lin1	+++++ 364479	25916 698469	39010 1268735	78462	142839	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	+++++ 355518	16260 691882	30197 1286100	73971	139105	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	10307 575527	20914 1115426	44966 2035288	107782	218542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	+++++ 104607	4017 214531	7688 419086	18628	37241	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	15003 879077	31905 1652977	63713 2947582	165224	342687	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	3427 196851	7286 390401	14334 730166	35856	80118	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4283 230806	8865 449442	18109 853757	44830	90406	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 73688	2809 137921	4692 262212	13313	26109	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1771 93525	3603 183003	5801 329192	17631	36823	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	17685 1038407	36479 1950737	77850 3390354	202317	400788	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 198811	7199 383931	14650 728365	37331	76661	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 748325	26946 1391547	55344 2502978	143103	290968	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	14058 738415	28561 1387937	60141 2521820	145288	282710	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 151767	5590 290141	10780 547150	31837	56388	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	13866 754640	28936 1418160	61404 2572158	147328	292385	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	16138 947391	35375 1731587	67819 3088027	179837	365990	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	7092 391005	15379 722358	29678 1369429	76253	150139	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	13208 785445	29190 1439369	57808 2597457	148690	311164	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 382903	14868 735249	29514 1380949	75739	150299	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 746071	25893 1343469	53925 2462824	140234	288248	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 361572	14849 686685	28890 1328968	71238	142339	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 44995	1455 83298	3576 176017	8837	17986	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 250501	10618 452051	18399 899990	50410	94365	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	+++++ 129351	4827 236387	9533 464150	27106	48279	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	12117 698461	26436 1241685	48049 2467595	138780	261345	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	3962 233141	9101 408746	15964 844883	44018	88862	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	193030 201875	196982 205623	195573 205155	203661	195037	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	259562 270314	264497 259796	260111 261995	261983	255661	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	745495 782507	734572 775476	750929 761568	754982	731423	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	194675 216343	197685 209553	205151 210163	210270	198199	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-302462/4	N3474.D
Level 2	IC 480-302462/5	N3475.D
Level 3	IC 480-302462/6	N3476.D
Level 4	IC 480-302462/7	N3477.D
Level 5	IC 480-302462/8	N3478.D
Level 6	ICIS 480-302462/9	N3479.D
Level 7	IC 480-302462/10	N3480.D
Level 8	IC 480-302462/11	N3481.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	+++++ 10.7	-3.6 1.2	-16.6	12.5	-15.2	11.0	30	30 30	30	30	30	30
Chloromethane	+++++ -5.7	14.5 -10.0	-0.6	8.8	-8.4	1.5	30	30 30	30	30	30	30
Vinyl chloride	+++++ 0.9	14.2 -5.9	-6.5	1.1	-11.4	7.5	30	30 30	30	30	30	30
Butadiene	-2.6 4.9	9.8 -7.6	-11.8	9.7	-15.1	12.8	30 30	30 30	30	30	30	30
Bromomethane	8.4 -2.8	21.0 -10.4	5.7	-2.2	-13.5	-6.0	30 30	30 30	30	30	30	30
Chloroethane	-2.8 2.9	10.4 -3.4	-1.9	-1.0	-5.2	0.9	30 30	30 30	30	30	30	30
Dichlorofluoromethane	+++++ -1.5	3.5 -6.1	8.5	3.4	-8.2	0.5	30	30 30	30	30	30	30
Trichlorofluoromethane	+++++ 10.3	-2.2 7.3	-20.2	6.7	-15.3	13.3	30	30 30	30	30	30	30
Ethyl ether	2.0 -2.8	8.1 -9.9	0.9	-2.9	0.6	4.0	30 30	30 30	30	30	30	30
Acrolein	+++++ -6.3	5.6 -9.4	3.2	6.7	-0.7	1.1	30	30 30	30	30	30	30
1,1-Dichloroethene	+++++ 2.2	-3.0 -9.8	1.7	-4.4	5.5	7.8	30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 6.1	-26.2 -3.2	-10.8	2.0	15.6	16.5	30	30 30	30	30	30	30
Acetone	+++++ -12.6	19.0 -14.9	19.5	2.3	-10.5	-2.7	30	30 30	30	30	30	30
Iodomethane	-2.7 -1.1	-0.3 -8.6	5.1	3.4	0.1	4.0	30 30	30 30	30	30	30	30
Carbon disulfide	+++++ 0.1	-0.3 -11.3	-2.2	-0.6	7.8	6.5	30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	+++++ -5.3	11.7 -16.0	1.4	1.2	5.5	1.6	30	30 30	30	30	30	30
Methyl acetate	-0.1 -5.9	9.8 -14.7	7.3	5.1	-2.7	1.2	30 30	30 30	30	30	30	30
Methylene Chloride	+++++ 0.0	-8.6 -3.0	-8.0	2.7	7.3	9.5	30	30 30	30	30	30	30
2-Methyl-2-propanol	+++++ -5.1	3.6 -2.9	6.5	0.5	-6.7	4.2	30	30 30	30	30	30	30
Methyl tert-butyl ether	+++++ -5.7	6.7 -10.0	5.8	1.8	0.9	0.5	30	30 30	30	30	30	30
trans-1,2-Dichloroethene	-3.4 2.1	-4.7 -6.9	-1.9	1.4	8.7	4.8	30 30	30 30	30	30	30	30
Acrylonitrile	-3.2 -6.0	2.4 -14.2	11.7	6.6	-1.8	4.4	30 30	30 30	30	30	30	30
Hexane	+++++ 2.9	-6.3 -10.3	-7.3	-1.0	10.9	11.0	30	30 30	30	30	30	30
1,1-Dichloroethane	-1.4 -2.7	4.1 -10.3	1.2	0.5	3.4	5.1	30 30	30 30	30	30	30	30
Vinyl acetate	-0.4 -4.2	3.4 -15.1	7.0	6.4	-1.1	4.0	30 30	30 30	30	30	30	30
2,2-Dichloropropane	-0.7 -2.5	19.1 -13.5	-4.2	-8.6	4.7	5.8	30 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	+++++ -5.1	13.4 -12.9	2.9	3.0	0.8	-2.1	30	30 30	30	30	30	30
2-Butanone (MEK)	7.3 -7.7	7.4 -15.0	9.5	3.7	-6.0	0.8	30 30	30 30	30	30	30	30
Chlorobromomethane	-4.0 0.9	-4.9 -6.6	0.5	7.7	2.7	3.6	30 30	30 30	30	30	30	30
Tetrahydrofuran	+++++ -6.9	13.4 -10.3	4.4	3.5	-3.9	-0.1	30	30 30	30	30	30	30
Chloroform	2.1 -2.5	4.7 -9.3	3.9	-3.3	2.4	2.0	30 30	30 30	30	30	30	30
1,1,1-Trichloroethane	+++++ 4.0	-15.4 -4.7	-7.1	1.4	11.1	10.8	30	30 30	30	30	30	30
Cyclohexane	+++++ 3.3	-10.9 -8.4	-5.7	1.5	7.7	12.6	30	30 30	30	30	30	30
Carbon tetrachloride	+++++ 3.7	0.2 -6.1	-9.4	-6.0	10.1	7.5	30	30 30	30	30	30	30
1,1-Dichloropropene	+++++ -0.7	0.1 -9.4	-3.8	0.5	6.0	7.3	30	30 30	30	30	30	30
Isobutyl alcohol	4.6 -5.3	-2.8 -8.1	7.7	3.5	-10.4	10.8	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Benzene	+++++ -4.0	2.5 -13.2	5.5	2.6	3.8	2.9	30	30 30	30	30	30	30
1,2-Dichloroethane	7.2 -7.0	12.1 -12.1	5.0	0.8	-3.8	-2.1	30 30	30 30	30	30	30	30
n-Heptane	+++++ 2.8	-7.2 -12.4	-4.2	7.4	4.5	9.1	30	30 30	30	30	30	30
Trichloroethene	-3.9 2.1	-2.6 -5.3	-0.2	-2.5	6.7	5.7	30 30	30 30	30	30	30	30
Methylcyclohexane	+++++ 2.7	-9.8 -7.7	-5.0	1.5	7.5	10.7	30	30 30	30	30	30	30
1,2-Dichloropropane	+++++ -0.4	-0.4 -7.4	3.0	2.8	0.6	1.8	30	30 30	30	30	30	30
Dibromomethane	+++++ -0.2	0.2 -6.9	5.0	-3.8	0.6	5.1	30	30 30	30	30	30	30
1,4-Dioxane	+++++ -13.7	5.0 -10.9	16.8	0.9	-15.0	16.8	30	30 30	30	30	30	30
Bromodichloromethane	+++++ 0.9	-6.9 -3.9	1.9	4.1	-1.1	5.0	30	30 30	30	30	30	30
2-Chloroethyl vinyl ether	+++++ 8.7	-10.2 -0.6	1.1	-4.5	-2.7	8.1	30	30 30	30	30	30	30
cis-1,3-Dichloropropene	+++++ -1.2	4.6 -9.5	2.8	0.9	0.3	2.2	30	30 30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-0.7 -4.4	0.8 -8.5	8.0	3.3	-0.8	2.3	30 30	30 30	30	30	30	30
Toluene	+++++ -2.1	-1.5 -8.4	4.1	2.1	4.1	1.7	30	30 30	30	30	30	30
trans-1,3-Dichloropropene	-1.2 0.0	2.9 -5.1	-3.2	1.9	-0.2	5.0	30 30	30 30	30	30	30	30
Ethyl methacrylate	0.5 1.2	-2.0 -1.8	-1.0	-1.5	-2.5	7.0	30 30	30 30	30	30	30	30
1,1,2-Trichloroethane	+++++ 1.5	-12.8 -0.7	-1.5	2.6	4.9	5.9	30	30 30	30	30	30	30
Tetrachloroethene	+++++ 0.6	-2.6 -5.2	-10.7	3.6	3.9	10.4	30	30 30	30	30	30	30
1,3-Dichloropropane	+++++ -0.7	5.1 -5.3	-1.3	2.3	-1.9	1.8	30	30 30	30	30	30	30
2-Hexanone	-4.7 -3.5	2.8 -11.4	8.8	6.8	-3.0	4.2	30 30	30 30	30	30	30	30
Dibromochloromethane	5.6 5.5	-8.5 2.9	-11.5	2.5	-3.5	6.9	30 30	30 30	30	30	30	30
1,2-Dibromoethane	-0.3 1.1	-12.8 -2.4	7.9	-2.3	2.3	6.6	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-1.1 -2.6	0.9 -9.0	7.2	-0.3	1.4	3.5	30 30	30 30	30	30	30	30
1,1,1,2-Tetrachloroethane	-1.8 0.8	-11.3 -1.9	6.1	3.5	0.9	3.7	30 30	30 30	30	30	30	30
Ethylbenzene	8.7 -9.8	17.7 -18.7	4.5	0.2	0.9	-3.4	30 30	30 30	30	30	30	30
m,p-Xylene	+++++ 2.5	-7.5 -3.3	-3.2	0.8	3.4	7.2	 30	30 30	30	30	30	30
o-Xylene	+++++ -7.7	14.5 -11.8	5.5	3.4	-0.7	-3.1	 30	30 30	30	30	30	30
Styrene	-1.4 -1.2	-2.2 -7.3	4.3	0.1	3.6	4.1	30 30	30 30	30	30	30	30
Bromoform	+++++ 3.4	2.3 3.9	-2.9	-5.8	-3.9	3.0	 30	30 30	30	30	30	30
Isopropylbenzene	-4.3 0.3	-0.6 -10.4	0.5	2.5	7.0	4.8	30 30	30 30	30	30	30	30
Bromobenzene	-4.8 3.1	-1.2 -3.4	-1.6	-3.2	8.9	2.2	30 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-0.8 -1.0	0.3 -5.7	3.7	1.0	2.5	-0.1	30 30	30 30	30	30	30	30
1,2,3-Trichloropropane	+++++ 1.5	6.2 -3.3	-10.2	0.2	-1.1	6.6	 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	4.7 2.9	4.0 -7.3	-15.2	1.3	6.5	3.3	30 30	30 30	30	30	30	30
N-Propylbenzene	-4.5 0.2	-3.8 -12.8	3.9	6.2	5.9	4.8	30 30	30 30	30	30	30	30
2-Chlorotoluene	+++++ 0.8	-2.9 -4.2	0.0	0.2	3.5	2.6	 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	+++++ -1.6	-2.2 -11.3	1.7	3.5	5.9	4.0	 30	30 30	30	30	30	30
4-Chlorotoluene	2.4 -3.9	1.6 -12.5	8.3	2.9	0.7	0.5	30 30	30 30	30	30	30	30
tert-Butylbenzene	+++++ -0.7	-1.8 -6.2	-4.1	11.4	-0.7	2.1	 30	30 30	30	30	30	30
1,2,4-Trimethylbenzene	-0.7 -3.4	1.2 -12.2	8.8	2.6	2.5	1.1	30 30	30 30	30	30	30	30
sec-Butylbenzene	-4.0 -2.0	2.8 -12.5	-0.2	4.0	6.5	5.3	30 30	30 30	30	30	30	30
1,3-Dichlorobenzene	-1.2 -4.3	4.7 -9.1	2.3	3.3	2.4	1.8	30 30	30 30	30	30	30	30
4-Isopropyltoluene	-5.8 -2.4	1.7 -11.7	1.9	3.1	8.6	4.7	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	+++++ -2.1	1.6 -7.9	2.1	3.1	2.9	0.2	30	30 30	30	30	30	30
n-Butylbenzene	+++++ -3.0	-4.0 -10.9	1.3	3.6	7.1	5.9	30	30 30	30	30	30	30
1,2-Dichlorobenzene	+++++ -4.6	6.0 -7.5	4.4	1.2	1.8	-1.3	30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	+++++ -4.5	-14.3 1.1	6.6	3.6	6.1	1.4	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	+++++ -7.5	11.6 -7.7	-2.1	5.5	-0.6	0.8	30	30 30	30	30	30	30
Hexachlorobutadiene	+++++ -5.1	-0.5 -6.7	-0.5	11.2	-0.3	2.0	30	30 30	30	30	30	30
Naphthalene	-2.9 -5.3	3.5 -5.8	-4.8	8.2	2.5	4.6	30 30	30 30	30	30	30	30
1,2,3-Trichlorobenzene	-4.7 -6.5	6.9 -3.1	-5.0	3.0	4.6	4.8	30 30	30 30	30	30	30	30
Dibromofluoromethane (Surr)	-2.6 1.3	-0.6 -0.1	-1.2	3.9	-2.0	1.4	30 30	30 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.2 -2.4	1.8 -2.7	0.2	1.9	-2.1	3.5	30 30	30 30	30	30	30	30
Toluene-d8 (Surr)	2.2 -1.5	-1.5 -0.6	-0.1	0.5	-0.6	1.5	30 30	30 30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.8 -2.1	-2.5 0.9	0.3	3.0	-0.9	3.2	30 30	30 30	30	30	30	30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-May-2016 17:04:30 ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0053328-004
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:15 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 08:13:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.565	5.564	0.001	98	171988	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	89	526033	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	98	244593	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	92	193030	25.0	24.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.273	5.272	0.001	0	259562	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	745495	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	85	194675	25.0	24.5	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	23	1172	0.5000	0.1638	
13 Chloromethane	50	1.537	1.543	-0.006	91	5651	0.5000	0.4303	
14 Vinyl chloride	62	1.647	1.659	-0.012	1	3893	0.5000	0.3898	
144 Butadiene	54	1.665	1.677	-0.012	65	5398	0.5000	0.4869	
15 Bromomethane	94	1.951	1.951	0.000	30	2599	0.5000	0.5418	
16 Chloroethane	64	2.054	2.060	-0.006	1	2708	0.5000	0.4860	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	12	7772	0.5000	0.6246	
18 Trichlorofluoromethane	101	2.322	2.285	0.037	1	2704	0.5000	0.3135	M
19 Ethyl ether	59	2.590	2.590	0.000	75	5136	0.5000	0.5099	
20 Acrolein	56	2.754	2.748	0.006	46	6644	2.50	2.98	M
22 1,1-Dichloroethene	96	2.809	2.796	0.013	84	2605	0.5000	0.3693	
21 1,1,2-Trichloro-1,2,2-trif	101	2.821	2.809	0.012	1	1422	0.5000	0.2349	M
23 Acetone	43	2.906	2.900	0.006	71	12497	2.50	3.55	
24 Iodomethane	142	2.961	2.955	0.006	75	5321	0.5000	0.4867	
25 Carbon disulfide	76	3.003	2.997	0.006	98	9705	0.5000	0.4150	
27 3-Chloro-1-propene	41	3.162	3.168	-0.006	59	10121	0.5000	0.5938	M
28 Methyl acetate	43	3.216	3.204	0.012	99	22610	2.50	2.50	
30 Methylene Chloride	84	3.301	3.301	0.000	95	9758	0.5000	0.1216	
31 2-Methyl-2-propanol	59	3.472	3.460	0.012	58	5244	5.00	4.28	
32 Methyl tert-butyl ether	73	3.545	3.533	0.012	94	12055	0.5000	0.4588	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	66	3715	0.5000	0.4830	
34 Acrylonitrile	53	3.569	3.563	0.006	96	22994	5.00	4.84	
35 Hexane	57	3.758	3.758	0.000	70	5339	0.5000	0.3751	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.958	3.952	0.006	31	8022	0.5000	0.4930	
39 Vinyl acetate	43	4.013	4.001	0.012	95	21920	1.00	1.00	
42 2,2-Dichloropropane	77	4.469	4.476	-0.007	1	3760	0.5000	0.4966	
43 cis-1,2-Dichloroethene	96	4.512	4.500	0.012	23	3409	0.5000	0.3747	
44 2-Butanone (MEK)	43	4.542	4.530	0.012	96	14343	2.50	2.68	
47 Chlorobromomethane	128	4.737	4.737	0.000	78	1902	0.5000	0.4800	
49 Tetrahydrofuran	42	4.786	4.768	0.018	1	4791	1.00	1.24	M
50 Chloroform	83	4.816	4.810	0.006	88	6988	0.5000	0.5107	M
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	1	4052	0.5000	0.4064	
52 Cyclohexane	56	4.974	4.968	0.006	32	6193	0.5000	0.3839	M
53 Carbon tetrachloride	117	5.096	5.090	0.006	64	2400	0.5000	0.2864	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	86	3838	0.5000	0.3771	
56 Isobutyl alcohol	43	5.285	5.279	0.006	51	7179	12.5	13.1	
55 Benzene	78	5.291	5.297	-0.006	94	13478	0.5000	0.4262	
57 1,2-Dichloroethane	62	5.346	5.345	0.001	95	6640	0.5000	0.5359	
59 n-Heptane	43	5.498	5.498	0.000	88	6184	0.5000	0.4382	
60 Trichloroethene	95	5.911	5.905	0.006	86	3558	0.5000	0.4804	
62 Methylcyclohexane	83	6.051	6.045	0.006	86	4428	0.5000	0.3403	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	92	3881	0.5000	0.4485	
64 Dibromomethane	93	6.276	6.264	0.012	23	1977	0.5000	0.4213	
66 1,4-Dioxane	88		6.282				ND	ND	
67 Dichlorobromomethane	83	6.422	6.416	0.006	1	4099	0.5000	0.4162	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	12	2893	0.5000	0.5589	
71 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	96	5582	0.5000	0.4378	
72 4-Methyl-2-pentanone (MIBK	58	6.988	6.982	0.006	95	9992	2.50	2.48	
73 Toluene	92	7.140	7.140	0.000	98	8404	0.5000	0.4608	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	92	5305	0.5000	0.4941	
77 Ethyl methacrylate	69	7.469	7.463	0.006	88	4614	0.5000	0.5027	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	78	2790	0.5000	0.5442	
79 Tetrachloroethene	166	7.688	7.688	0.000	85	2981	0.5000	0.4529	
80 1,3-Dichloropropane	76	7.755	7.755	0.000	90	5023	0.5000	0.4582	
82 2-Hexanone	43	7.822	7.821	0.001	92	14403	2.50	2.38	
83 Chlorodibromomethane	129	7.986	7.992	-0.006	1	3393	0.5000	0.5282	
84 Ethylene Dibromide	107	8.095	8.101	-0.006	29	3159	0.5000	0.4984	
85 Chlorobenzene	112	8.588	8.588	0.000	37	9216	0.5000	0.4944	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.685	-0.012	42	3144	0.5000	0.4911	
88 Ethylbenzene	91	8.691	8.685	0.006	98	18814	0.5000	0.5433	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	14670	0.5000	0.0603	
91 o-Xylene	106	9.233	9.233	0.000	93	8370	0.5000	0.6027	
92 Styrene	104	9.257	9.263	-0.006	87	10307	0.5000	0.4929	
93 Bromoform	173	9.495	9.494	0.001	9	2156	0.5000	0.5613	
95 Isopropylbenzene	105	9.616	9.622	-0.006	94	15003	0.5000	0.4787	
97 Bromobenzene	156	9.951	9.951	0.000	95	3427	0.5000	0.4758	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	4283	0.5000	0.4962	
99 1,2,3-Trichloropropane	110	10.018	10.024	-0.006	17	1398	0.5000	0.5411	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	64	1771	0.5000	0.5233	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	17685	0.5000	0.4775	
102 2-Chlorotoluene	126	10.139	10.139	0.000	92	3091	0.5000	0.4266	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	91	12266	0.5000	0.4560	
105 4-Chlorotoluene	91	10.249	10.249	0.000	95	14058	0.5000	0.5119	
106 tert-Butylbenzene	134	10.535	10.535	0.000	46	2075	0.5000	0.3733	M
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	93	13866	0.5000	0.4967	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.742	0.000	91	16138	0.5000	0.4801	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	92	7092	0.5000	0.4942	
111 4-Isopropyltoluene	119	10.888	10.882	0.006	95	13208	0.5000	0.4709	
113 1,4-Dichlorobenzene	146	10.961	10.955	0.006	1	6145	0.5000	0.4301	
115 n-Butylbenzene	91	11.265	11.265	0.000	95	11092	0.5000	0.4212	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	93	6084	0.5000	0.4445	
117 1,2-Dibromo-3-Chloropropan	75	12.031	12.019	0.012	0	358	0.5000	0.2158	M
119 1,2,4-Trichlorobenzene	180	12.707	12.713	-0.006	87	3232	0.5000	0.3478	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	1	2000	0.5000	0.4219	
121 Naphthalene	128	12.926	12.920	0.006	94	12117	0.5000	0.4856	
122 1,2,3-Trichlorobenzene	180	13.120	13.126	-0.006	86	3962	0.5000	0.4766	
S 125 Total BTEX	1				0			2.09	
S 126 Xylenes, Total	1				0			0.6630	
S 123 1,3-Dichloropropene, Total	1				0			0.9319	
S 124 1,2-Dichloroethene, Total	1				0			0.8577	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	0.50	Units: uL	
GAS CORP mix_00155	Amount Added:	0.50	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

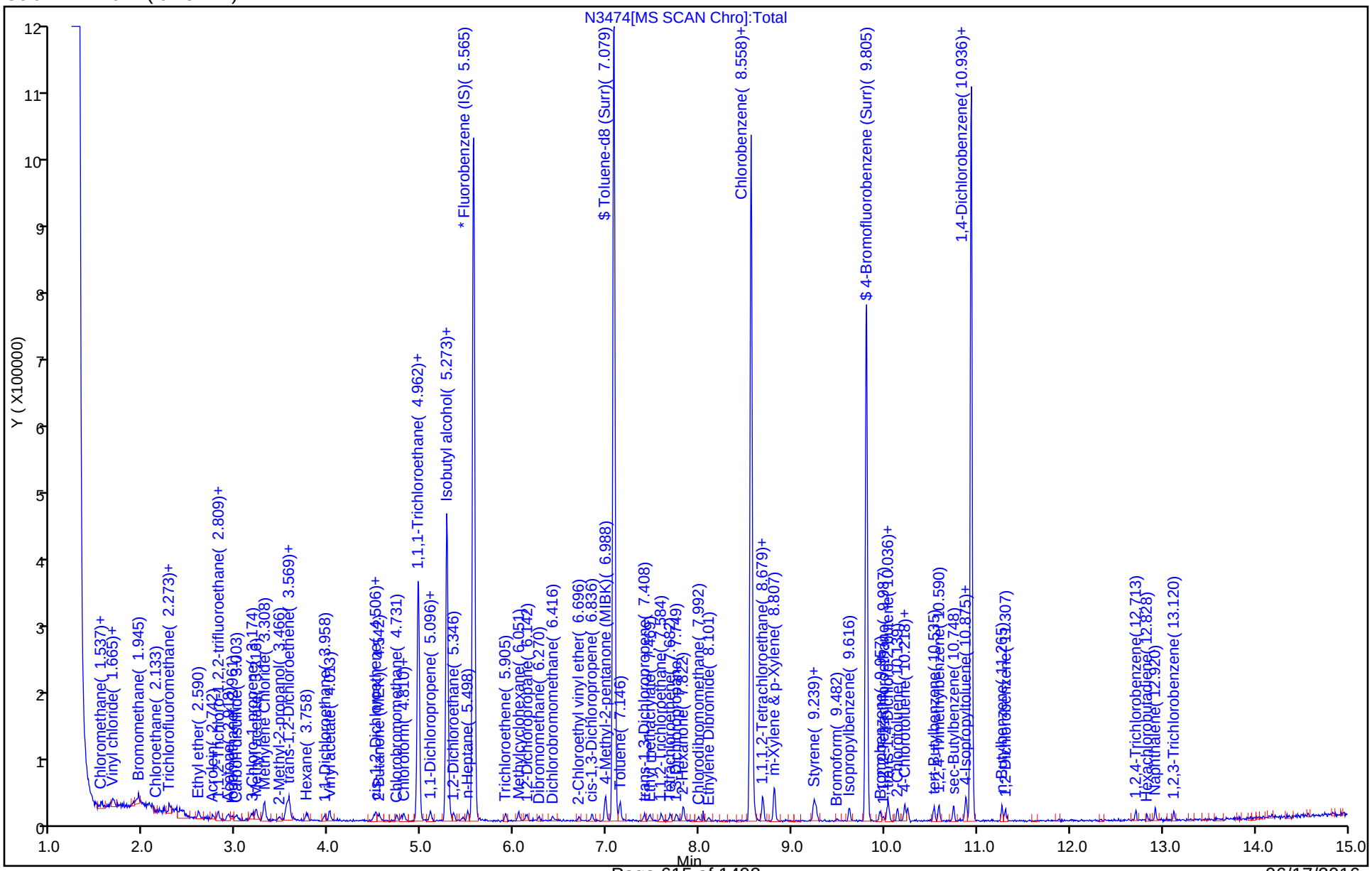
Report Date: 19-May-2016 14:06:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D

Injection Date:	18-May-2016 17:04:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	47
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

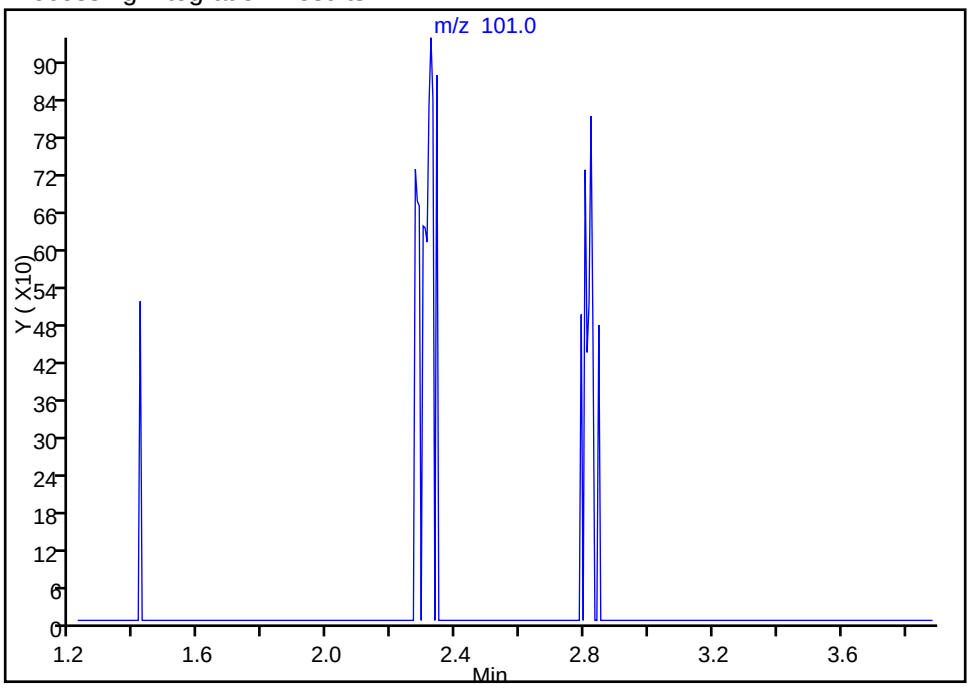
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

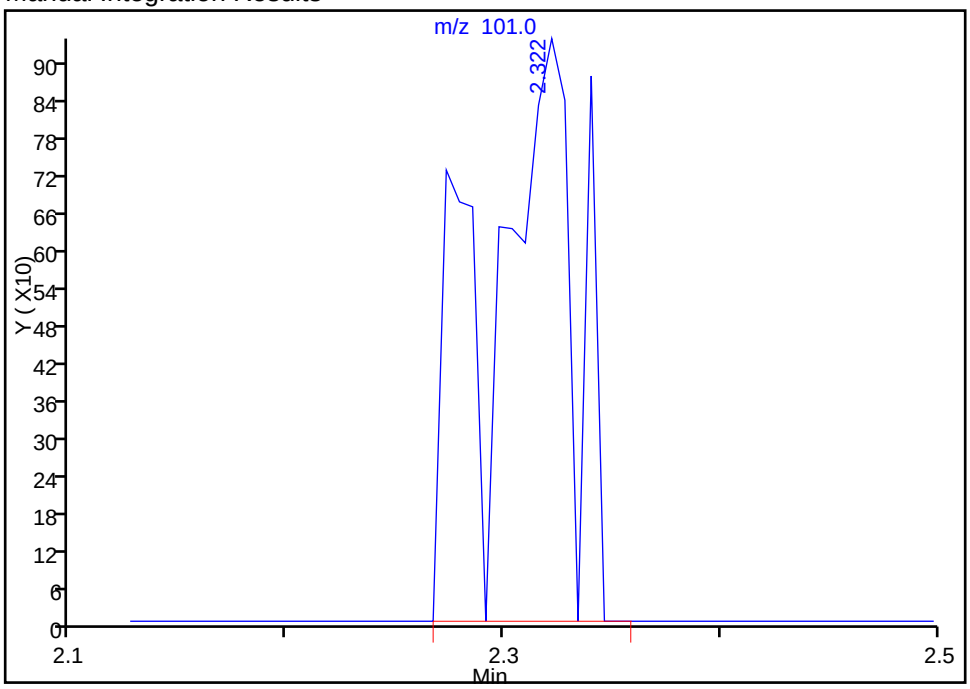
Not Detected
Expected RT: 2.29

Processing Integration Results



Manual Integration Results

RT: 2.32
Area: 2704
Amount: 0.313544
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

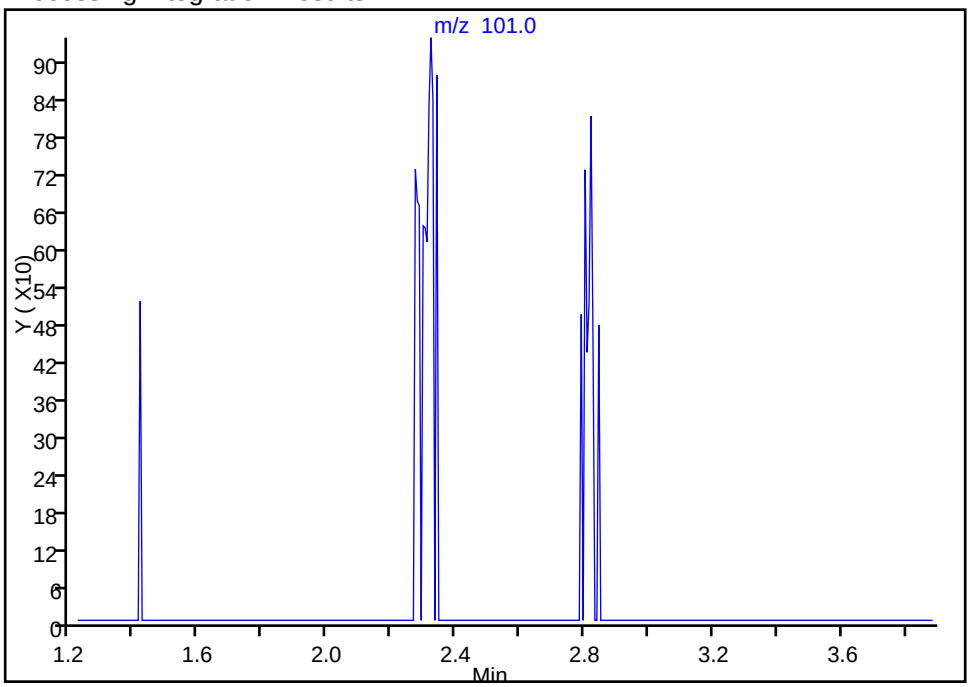
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

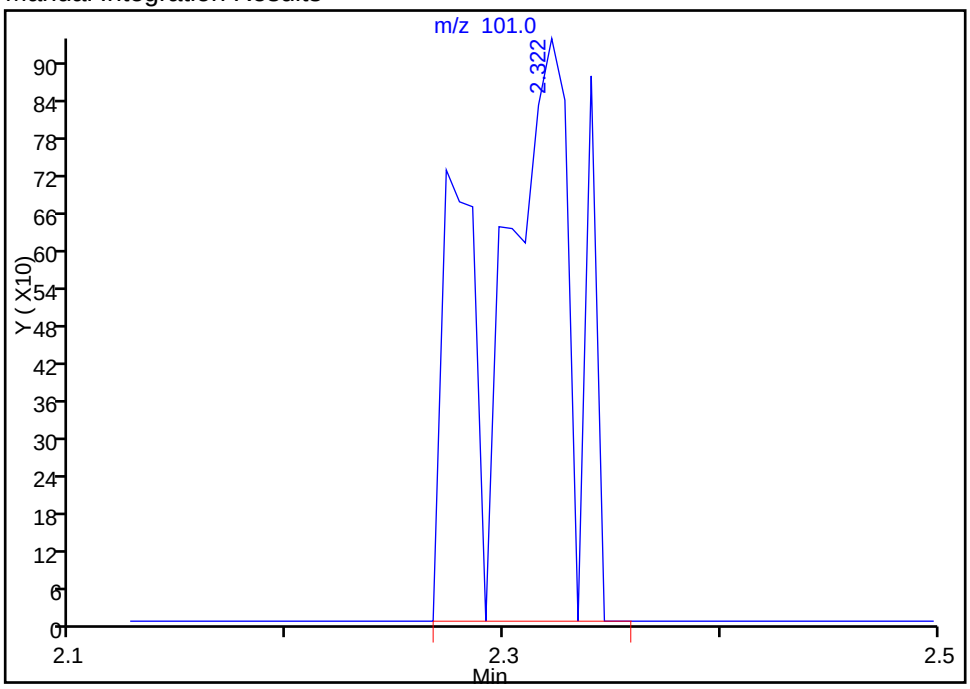
Not Detected
Expected RT: 2.29

Processing Integration Results



Manual Integration Results

RT: 2.32
Area: 2704
Amount: 0.313544
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

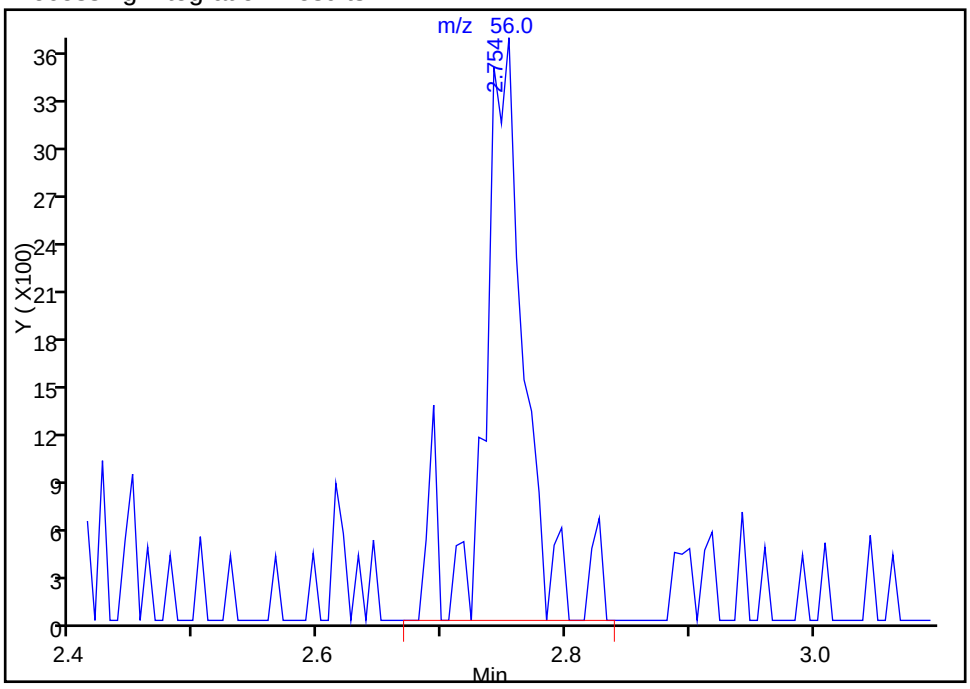
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

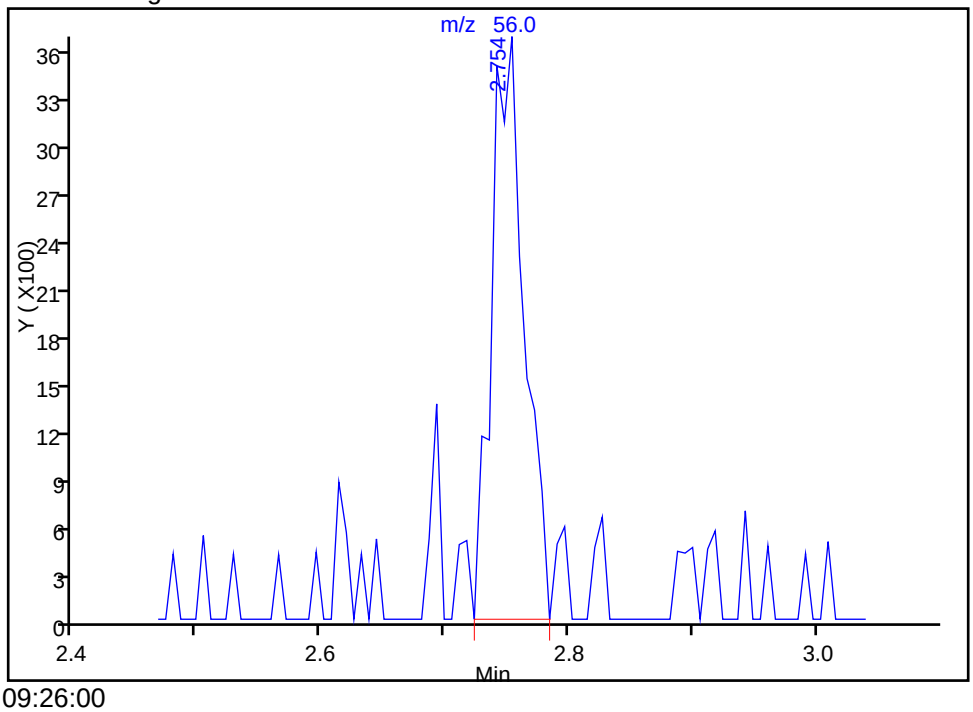
Processing Integration Results

RT: 2.75
Area: 8434
Amount: 2.558765
Amount Units: ug/L



Manual Integration Results

RT: 2.75
Area: 6644
Amount: 2.978297
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

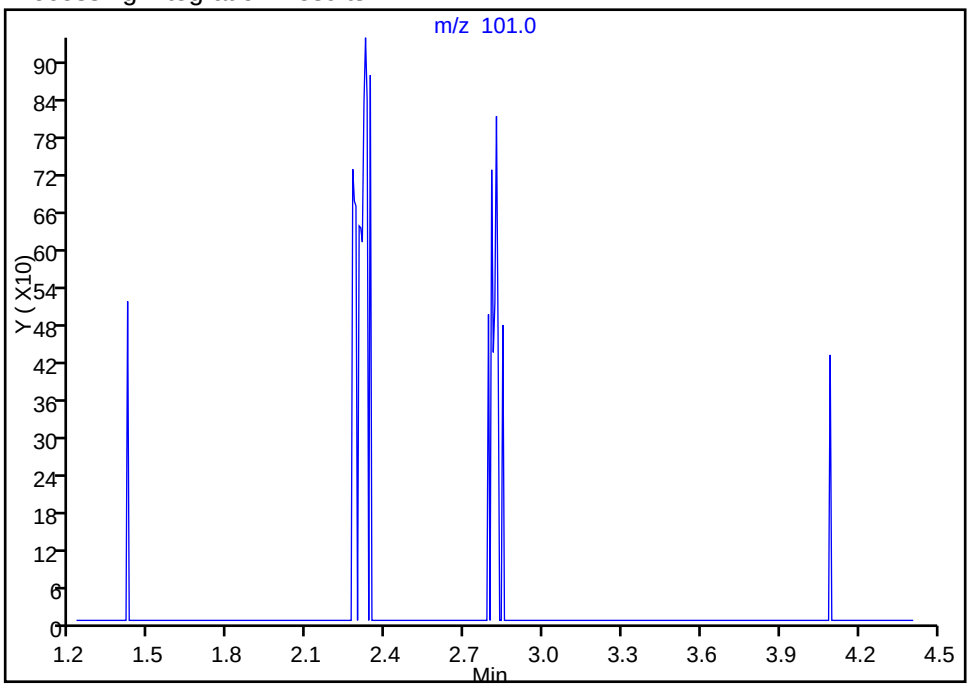
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

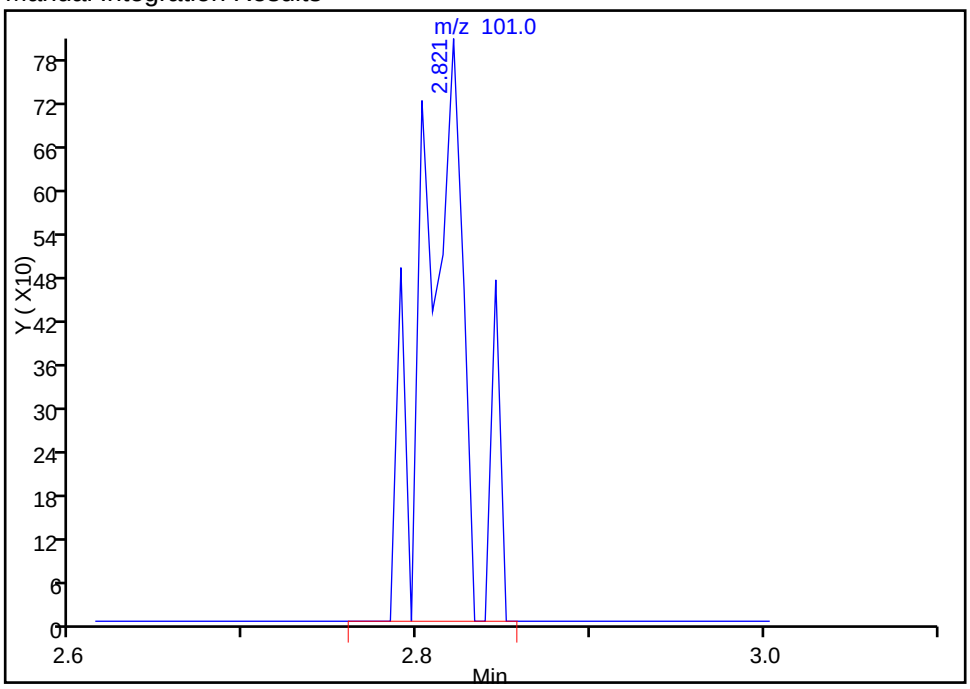
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.82
Area: 1422
Amount: 0.234884
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

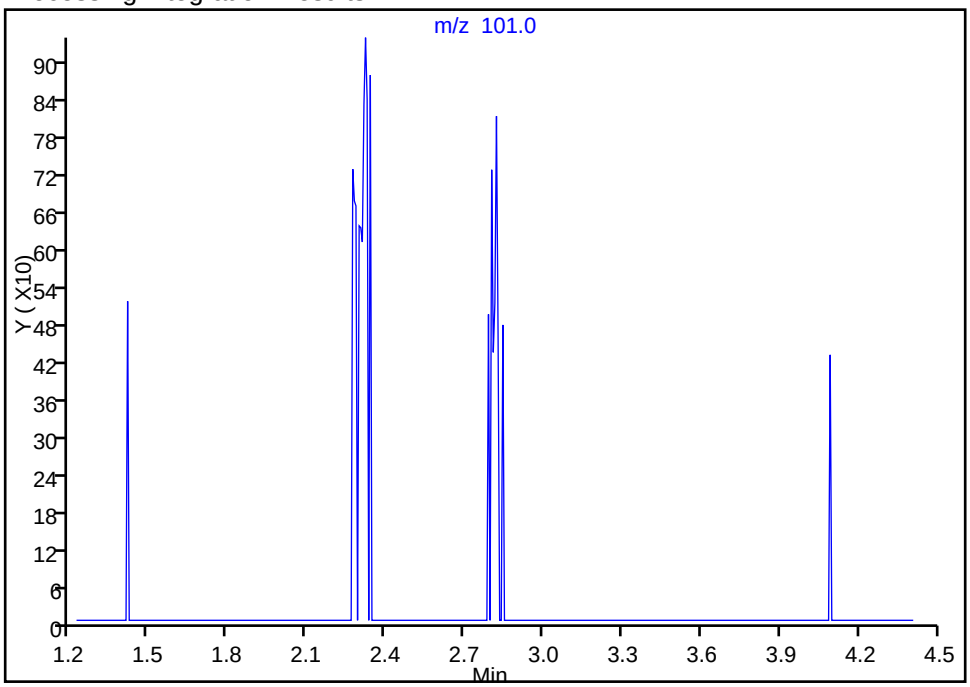
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

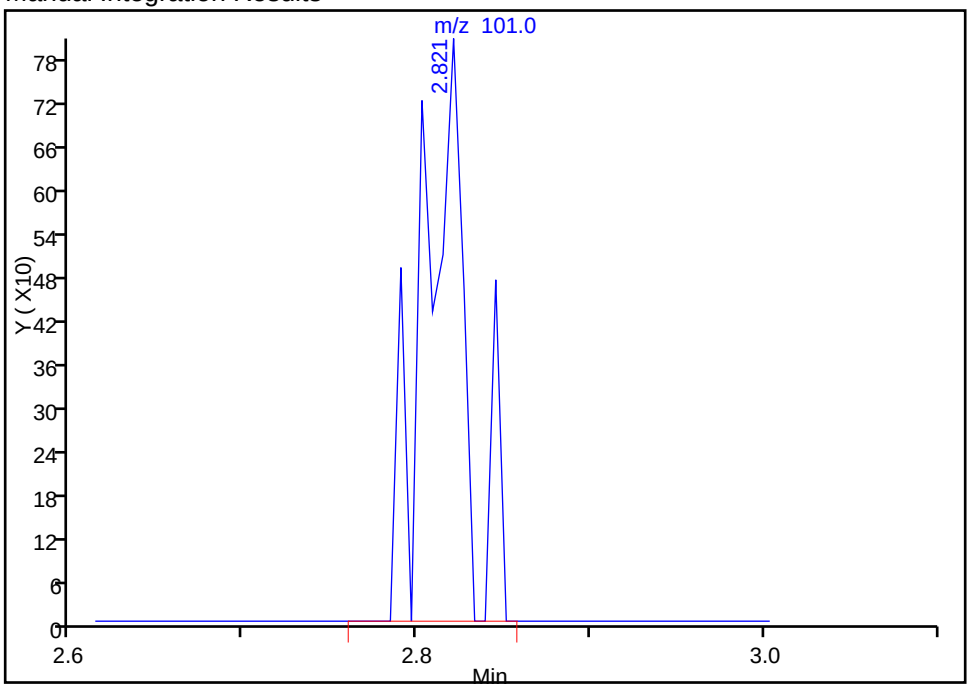
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.82
Area: 1422
Amount: 0.234884
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

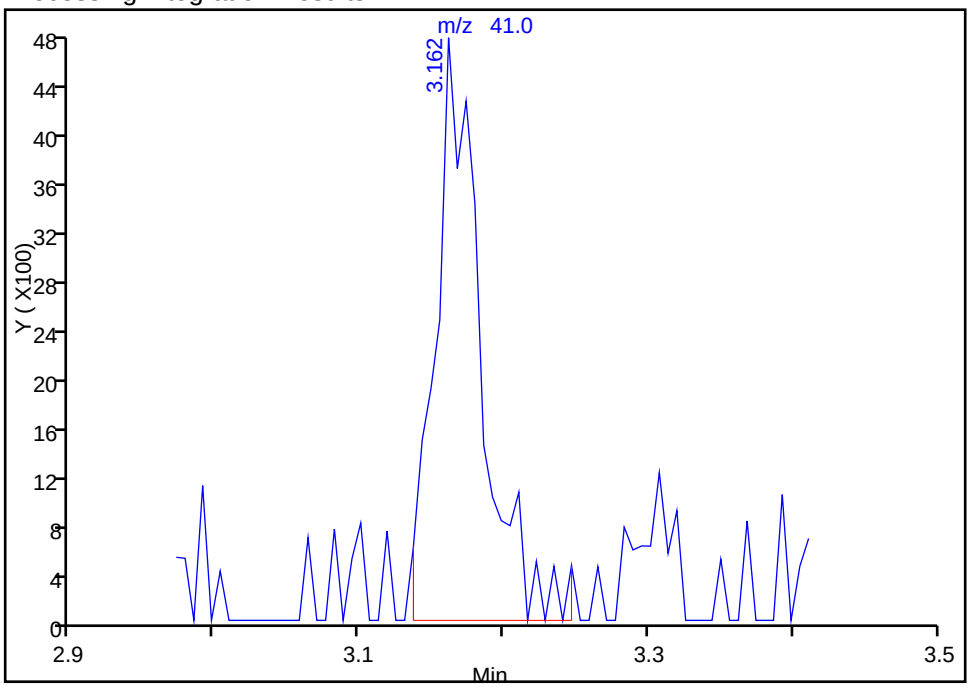
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

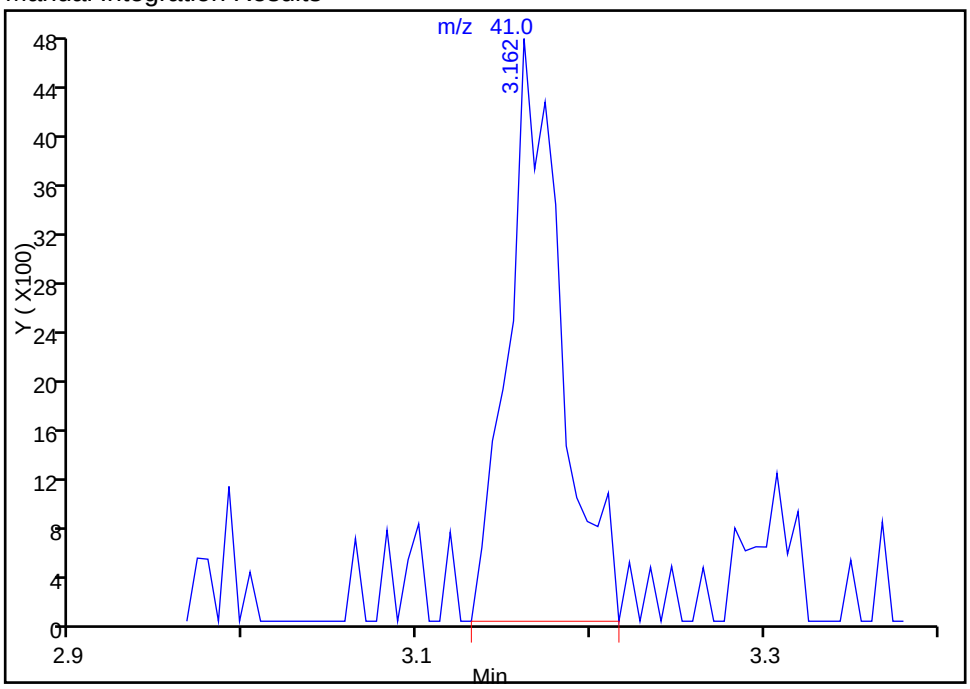
Processing Integration Results

RT: 3.16
Area: 10623
Amount: 0.604659
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 10121
Amount: 0.593842
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

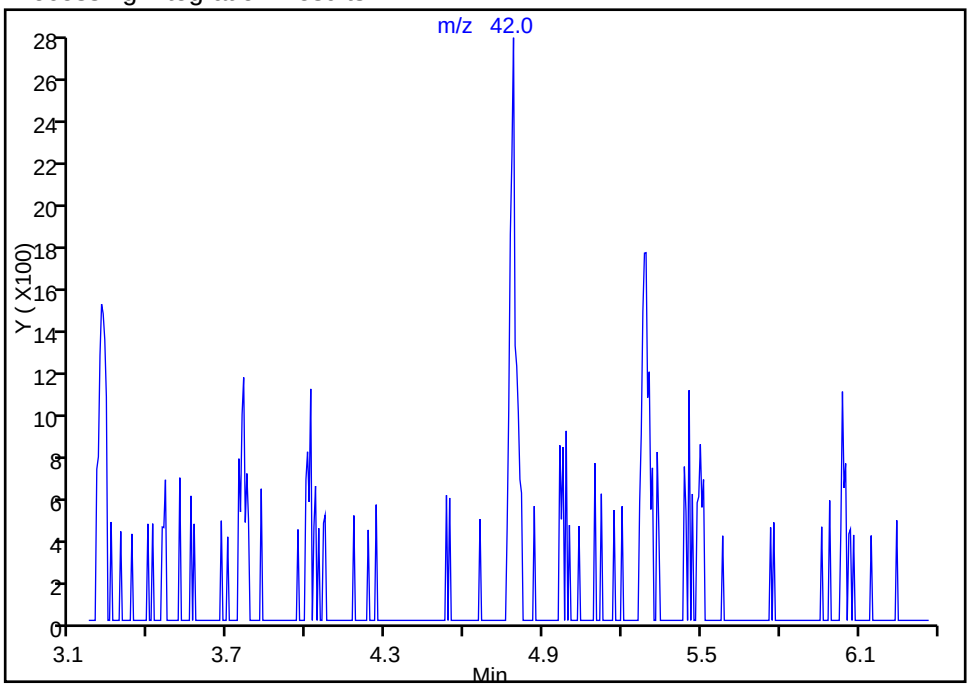
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

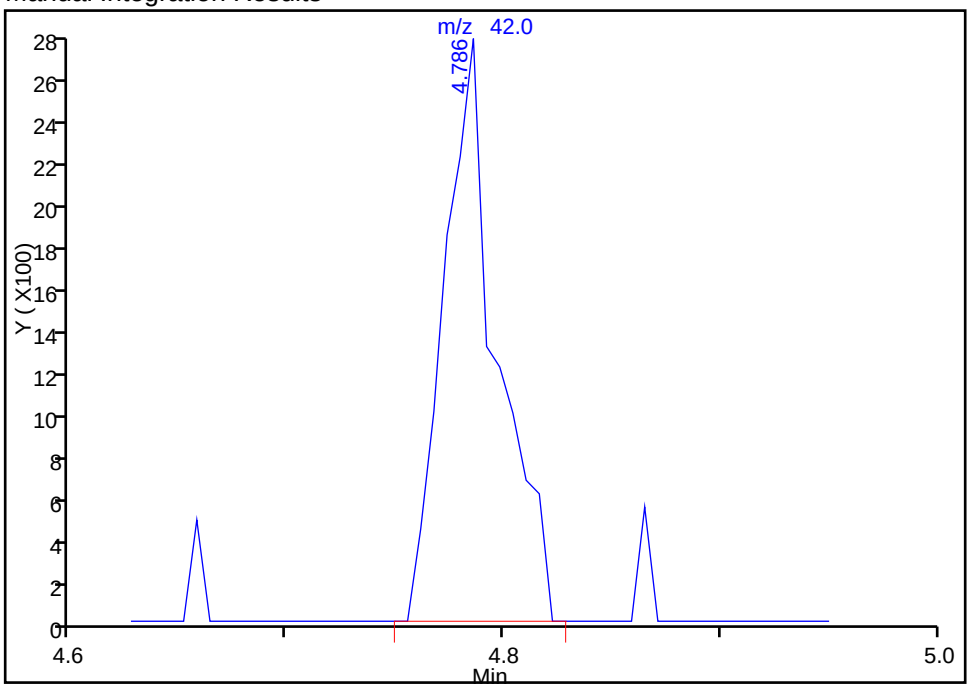
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 4791
Amount: 1.242802
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

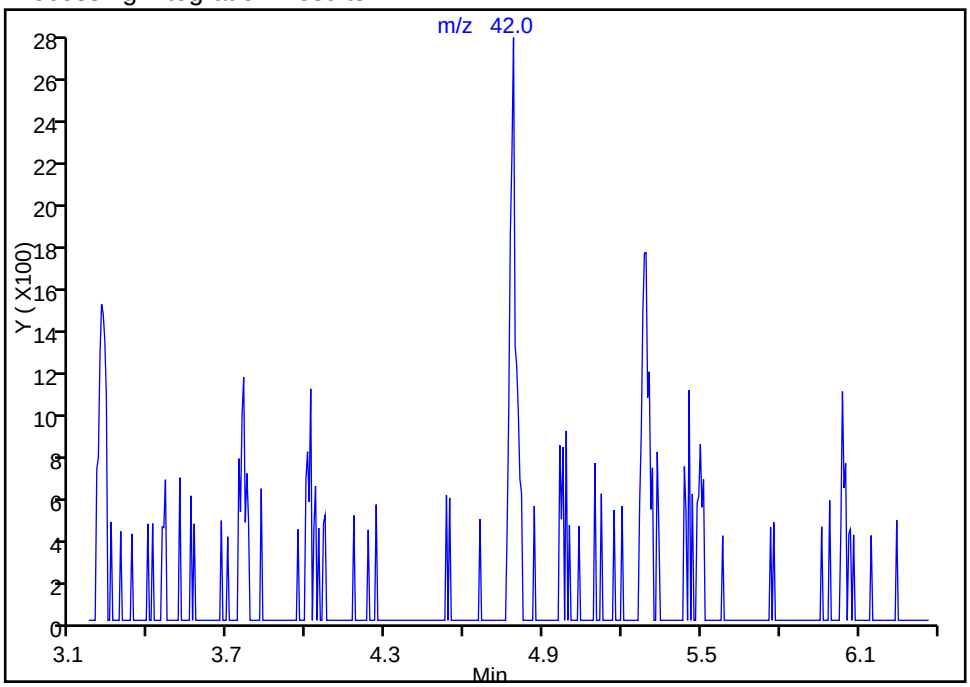
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

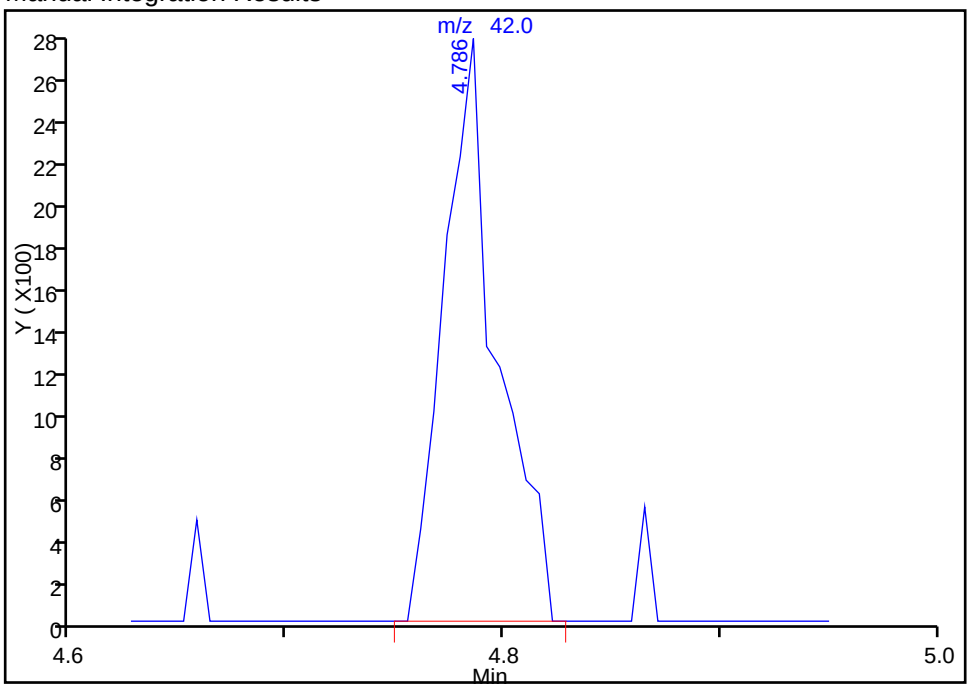
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 4791
Amount: 1.242802
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

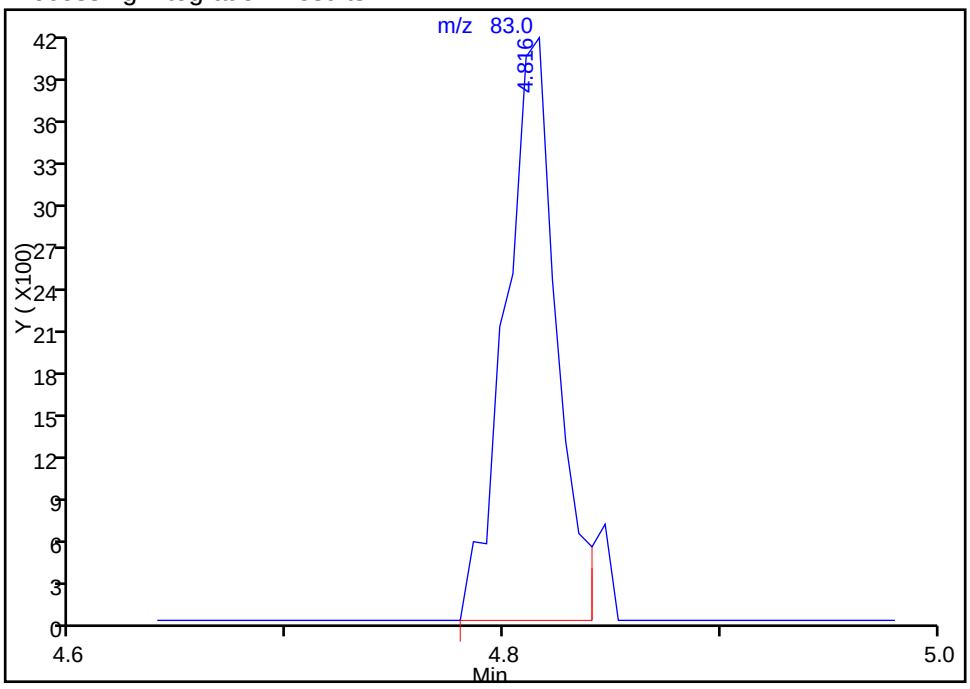
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

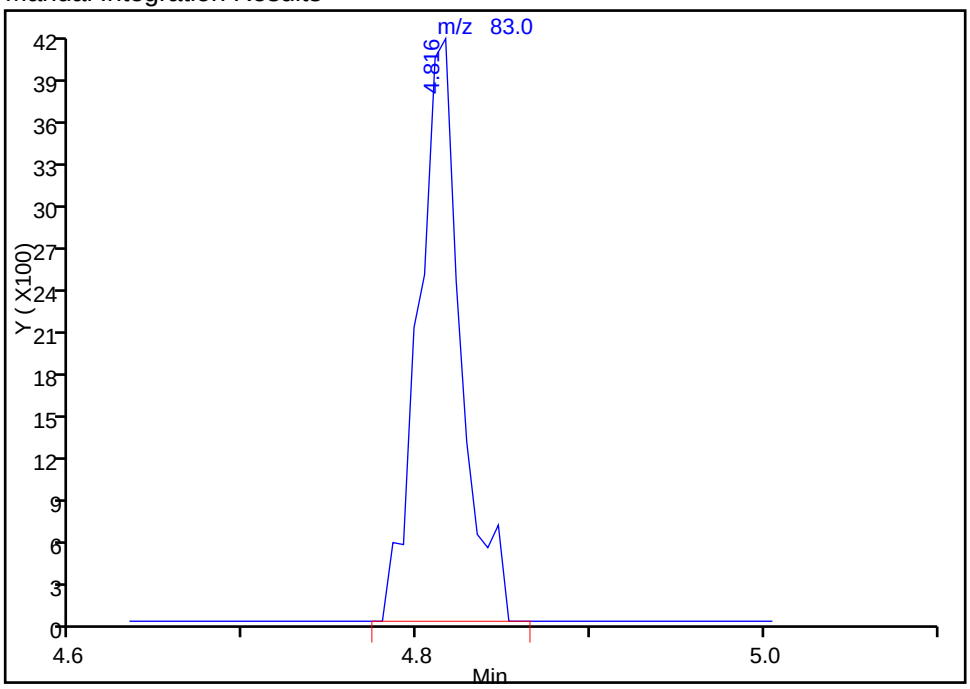
Processing Integration Results

RT: 4.82
Area: 6742
Amount: 0.494952
Amount Units: ug/L



Manual Integration Results

RT: 4.82
Area: 6988
Amount: 0.510706
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

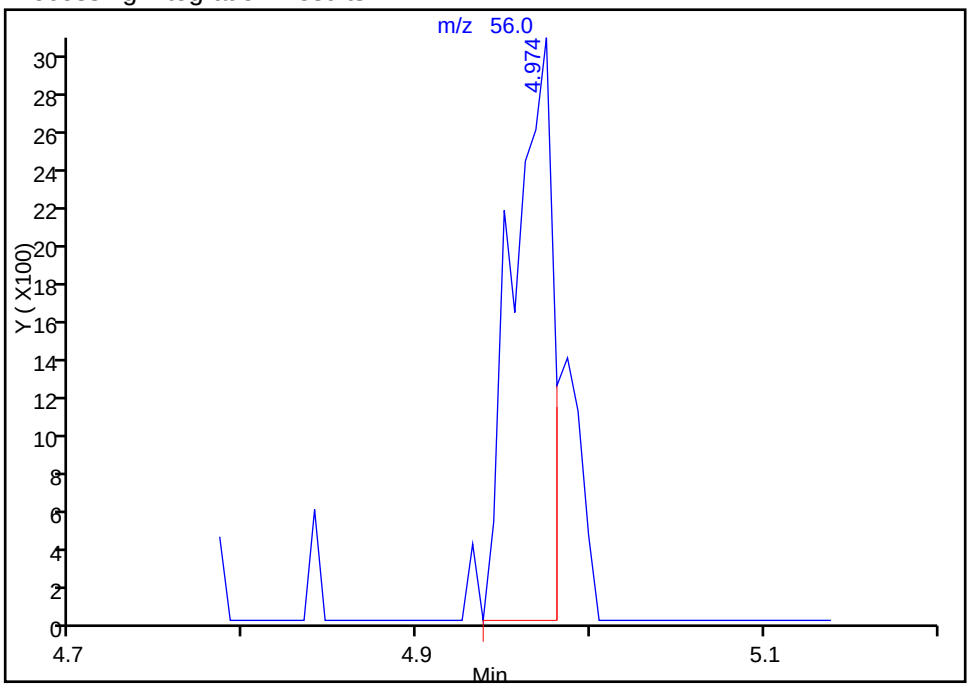
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

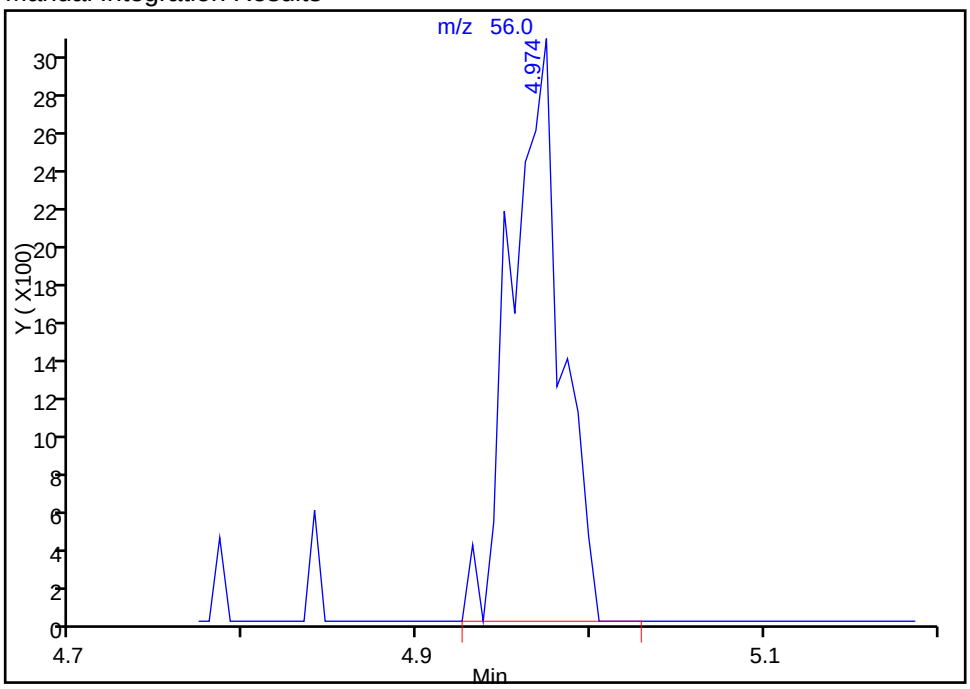
Processing Integration Results

RT: 4.97
Area: 4973
Amount: 0.385032
Amount Units: ug/L



Manual Integration Results

RT: 4.97
Area: 6193
Amount: 0.383890
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

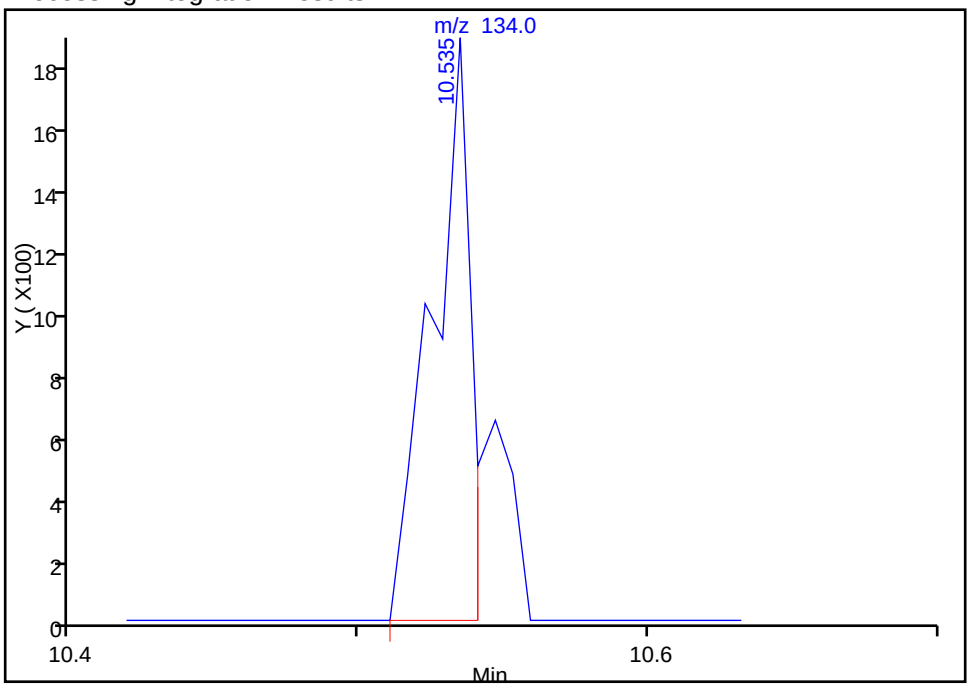
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

106 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

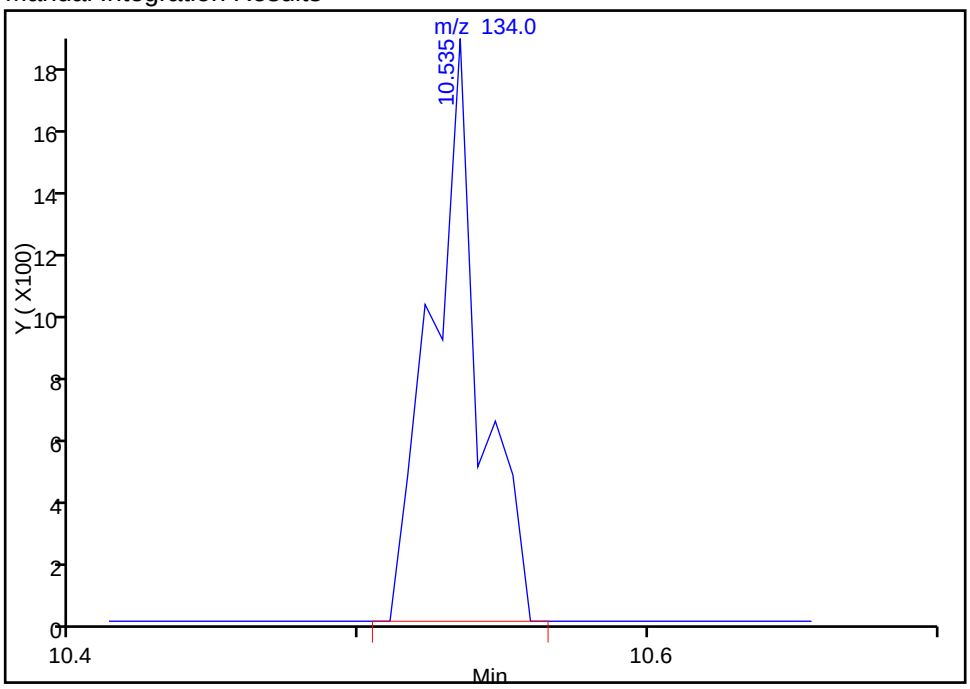
Processing Integration Results

RT: 10.53
Area: 1681
Amount: 0.356192
Amount Units: ug/L



Manual Integration Results

RT: 10.53
Area: 2075
Amount: 0.373324
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

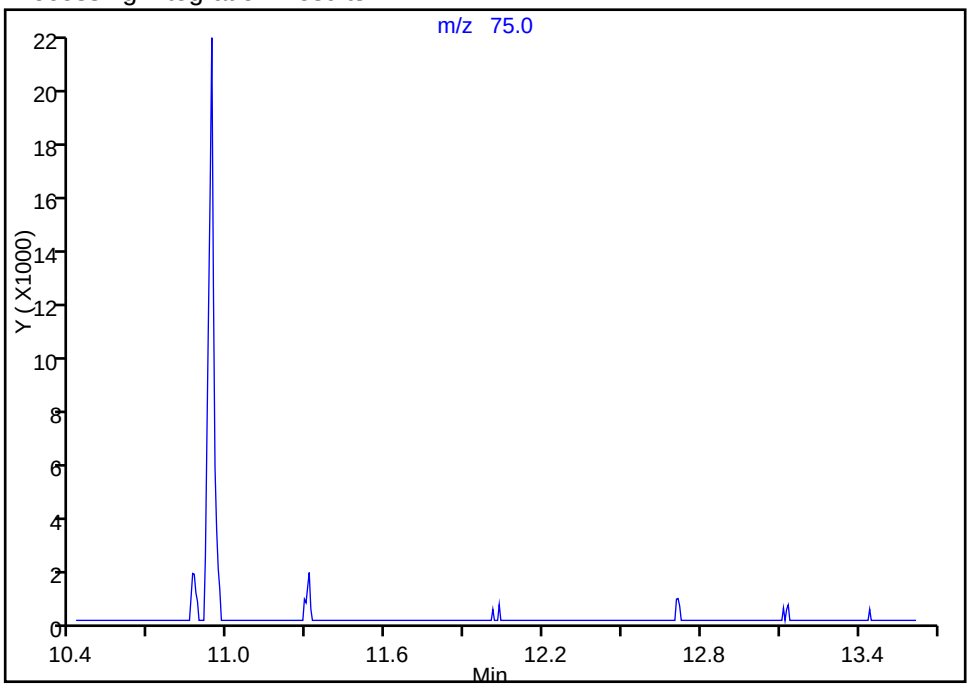
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

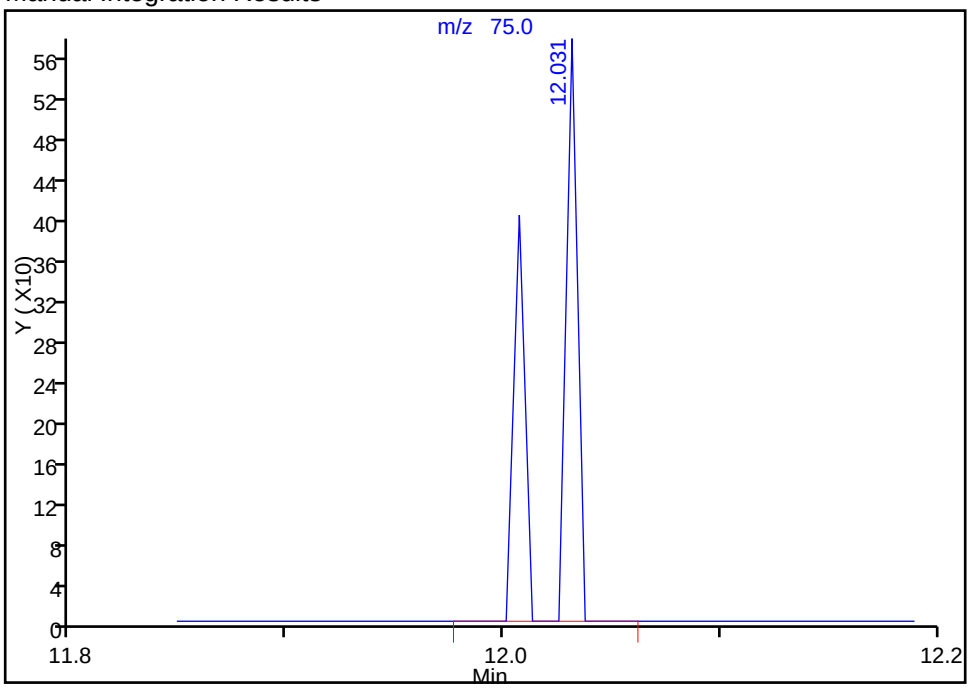
Not Detected
Expected RT: 12.02

Processing Integration Results



Manual Integration Results

RT: 12.03
Area: 358
Amount: 0.215809
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-May-2016 17:31:30 ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0053328-005
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:47 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 14:03:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.558	0.006	98	171883	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.558	-0.001	88	537869	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	98	250418	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	93	196982	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	264497	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	734572	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	85	197685	25.0	24.4	
11 Dichlorodifluoromethane	85	1.403	1.391	0.012	85	6893	1.00	0.9638	
13 Chloromethane	50	1.537	1.543	-0.006	98	15027	1.00	1.15	
14 Vinyl chloride	62	1.653	1.659	-0.006	97	11399	1.00	1.14	
144 Butadiene	54	1.677	1.677	0.000	88	12167	1.00	1.10	
15 Bromomethane	94	1.957	1.951	0.006	78	5799	1.00	1.21	
16 Chloroethane	64	2.054	2.060	-0.006	44	6148	1.00	1.10	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	93	12871	1.00	1.03	
18 Trichlorofluoromethane	101	2.322	2.285	0.037	40	8431	1.00	0.9782	
19 Ethyl ether	59	2.583	2.590	-0.007	91	10882	1.00	1.08	
20 Acrolein	56	2.748	2.748	0.000	91	11772	5.00	5.28	
22 1,1-Dichloroethene	96	2.796	2.796	0.000	95	6840	1.00	0.9704	
21 1,1,2-Trichloro-1,2,2-trif	101	2.796	2.809	-0.013	59	4468	1.00	0.7385	
23 Acetone	43	2.906	2.900	0.006	100	20950	5.00	5.95	M
24 Iodomethane	142	2.967	2.955	0.012	98	10889	1.00	1.00	
25 Carbon disulfide	76	2.997	2.997	0.000	99	23304	1.00	1.00	
27 3-Chloro-1-propene	41	3.161	3.168	-0.007	94	19021	1.00	1.12	
28 Methyl acetate	43	3.210	3.204	0.006	100	49647	5.00	5.49	
30 Methylene Chloride	84	3.295	3.301	-0.006	95	16145	1.00	0.9138	
31 2-Methyl-2-propanol	59	3.465	3.460	0.005	97	12670	10.0	10.4	
32 Methyl tert-butyl ether	73	3.532	3.533	-0.001	96	28027	1.00	1.07	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	79	7323	1.00	0.9527	
34 Acrylonitrile	53	3.569	3.563	0.006	99	48617	10.0	10.2	
35 Hexane	57	3.764	3.758	0.006	92	13335	1.00	0.9374	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.946	3.952	-0.006	95	16932	1.00	1.04	
39 Vinyl acetate	43	4.007	4.001	0.006	96	45499	2.00	2.07	
42 2,2-Dichloropropane	77	4.475	4.476	-0.001	46	9012	1.00	1.19	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	83	10312	1.00	1.13	
44 2-Butanone (MEK)	43	4.536	4.530	0.006	98	28704	5.00	5.37	
47 Chlorobromomethane	128	4.743	4.737	0.006	85	3766	1.00	0.9510	
49 Tetrahydrofuran	42	4.780	4.768	0.012	74	8736	2.00	2.27	
50 Chloroform	83	4.810	4.810	0.000	94	14311	1.00	1.05	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	1	8433	1.00	0.8464	
52 Cyclohexane	56	4.974	4.968	0.006	34	14358	1.00	0.8906	
53 Carbon tetrachloride	117	5.090	5.090	0.000	51	8392	1.00	1.00	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	78	10184	1.00	1.00	
56 Isobutyl alcohol	43	5.278	5.279	-0.001	45	13341	25.0	24.3	
55 Benzene	78	5.291	5.297	-0.006	92	32397	1.00	1.03	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	95	13881	1.00	1.12	
59 n-Heptane	43	5.503	5.498	0.005	87	13093	1.00	0.9284	
60 Trichloroethene	95	5.905	5.905	0.000	93	7213	1.00	0.9745	
62 Methylcyclohexane	83	6.051	6.045	0.006	91	11733	1.00	0.9024	
63 1,2-Dichloropropane	63	6.130	6.136	-0.006	95	8613	1.00	1.00	
64 Dibromomethane	93	6.270	6.264	0.006	90	4700	1.00	1.00	
66 1,4-Dioxane	88	6.288	6.282	0.006	1	1762	20.0	21.0	M
67 Dichlorobromomethane	83	6.416	6.416	0.000	94	9166	1.00	0.9313	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	83	4648	1.00	0.8985	
71 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	94	13328	1.00	1.05	
72 4-Methyl-2-pentanone (MIBK	58	6.988	6.982	0.006	96	20731	5.00	5.04	
73 Toluene	92	7.146	7.140	0.006	94	18367	1.00	0.9850	
75 trans-1,3-Dichloropropene	75	7.395	7.402	-0.007	92	11295	1.00	1.03	
77 Ethyl methacrylate	69	7.462	7.463	-0.001	92	9199	1.00	0.9801	
78 1,1,2-Trichloroethane	83	7.584	7.590	-0.006	89	4571	1.00	0.8720	
79 Tetrachloroethene	166	7.681	7.688	-0.007	87	6552	1.00	0.9735	
80 1,3-Dichloropropane	76	7.754	7.755	-0.001	91	11779	1.00	1.05	
82 2-Hexanone	43	7.821	7.821	0.000	98	31786	5.00	5.14	
83 Chlorodibromomethane	129	7.992	7.992	0.000	93	6009	1.00	0.9149	
84 Ethylene Dibromide	107	8.101	8.101	0.000	96	5649	1.00	0.8716	
85 Chlorobenzene	112	8.588	8.588	0.000	94	19233	1.00	1.01	
88 Ethylbenzene	91	8.685	8.685	0.000	98	41661	1.00	1.18	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	42	5807	1.00	0.8871	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	25916	1.00	0.9250	
91 o-Xylene	106	9.239	9.233	0.006	96	16260	1.00	1.15	
92 Styrene	104	9.257	9.263	-0.006	93	20914	1.00	0.9782	
93 Bromoform	173	9.488	9.494	-0.006	88	4017	1.00	1.02	
95 Isopropylbenzene	105	9.616	9.622	-0.006	96	31905	1.00	0.99	
97 Bromobenzene	156	9.951	9.951	0.000	95	7286	1.00	0.9881	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	89	8865	1.00	1.00	
99 1,2,3-Trichloropropane	110	10.017	10.024	-0.007	84	2809	1.00	1.06	
101 trans-1,4-Dichloro-2-buten	53	10.042	10.036	0.006	67	3603	1.00	1.04	M
100 N-Propylbenzene	91	10.042	10.042	0.000	99	36479	1.00	0.9620	
102 2-Chlorotoluene	126	10.145	10.139	0.006	95	7199	1.00	0.9705	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	95	26946	1.00	0.9785	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	28561	1.00	1.02	
106 tert-Butylbenzene	134	10.541	10.535	0.006	94	5590	1.00	0.9823	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	98	28936	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.741	10.742	-0.001	94	35375	1.00	1.03	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	94	15379	1.00	1.05	
111 4-Isopropyltoluene	119	10.881	10.882	-0.001	98	29190	1.00	1.02	
113 1,4-Dichlorobenzene	146	10.960	10.955	0.005	91	14868	1.00	1.02	
115 n-Butylbenzene	91	11.265	11.265	0.000	97	25893	1.00	0.9603	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	14849	1.00	1.06	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.019	0.006	1	1455	1.00	0.8567	
119 1,2,4-Trichlorobenzene	180	12.706	12.713	-0.007	88	10618	1.00	1.12	
120 Hexachlorobutadiene	225	12.828	12.834	-0.006	88	4827	1.00	0.99	
121 Naphthalene	128	12.919	12.920	-0.001	95	26436	1.00	1.03	
122 1,2,3-Trichlorobenzene	180	13.120	13.126	-0.006	93	9101	1.00	1.07	
S 125 Total BTEX	1				0			5.26	
S 126 Xylenes, Total	1				0			2.07	
S 123 1,3-Dichloropropene, Total	1				0			2.07	
S 124 1,2-Dichloroethene, Total	1				0			2.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	1.00	Units: uL	
GAS CORP mix_00155	Amount Added:	1.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

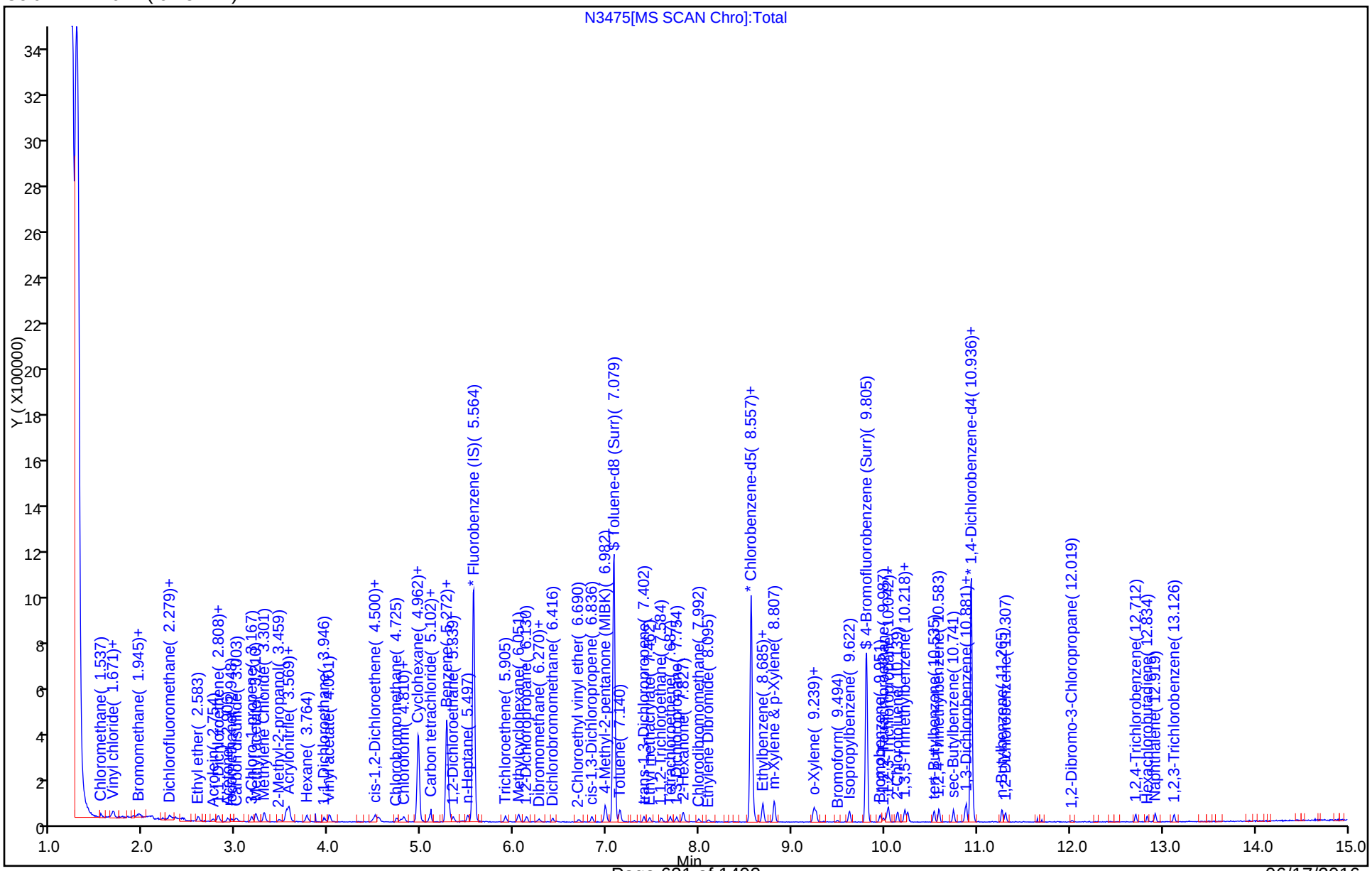
Report Date: 19-May-2016 14:05:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D

Injection Date:	18-May-2016 17:31:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	48
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

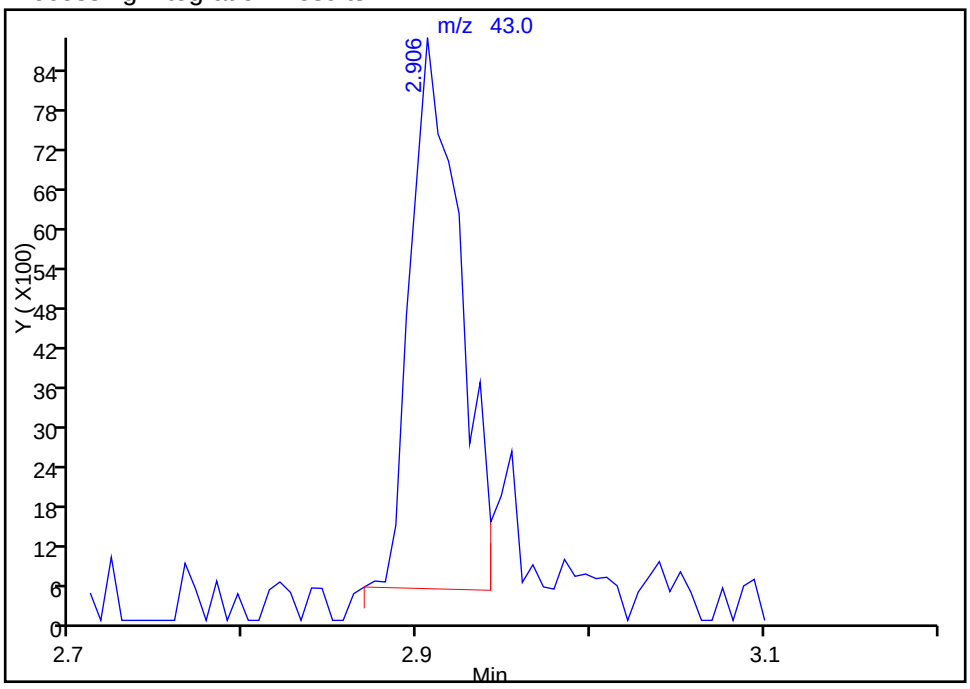
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

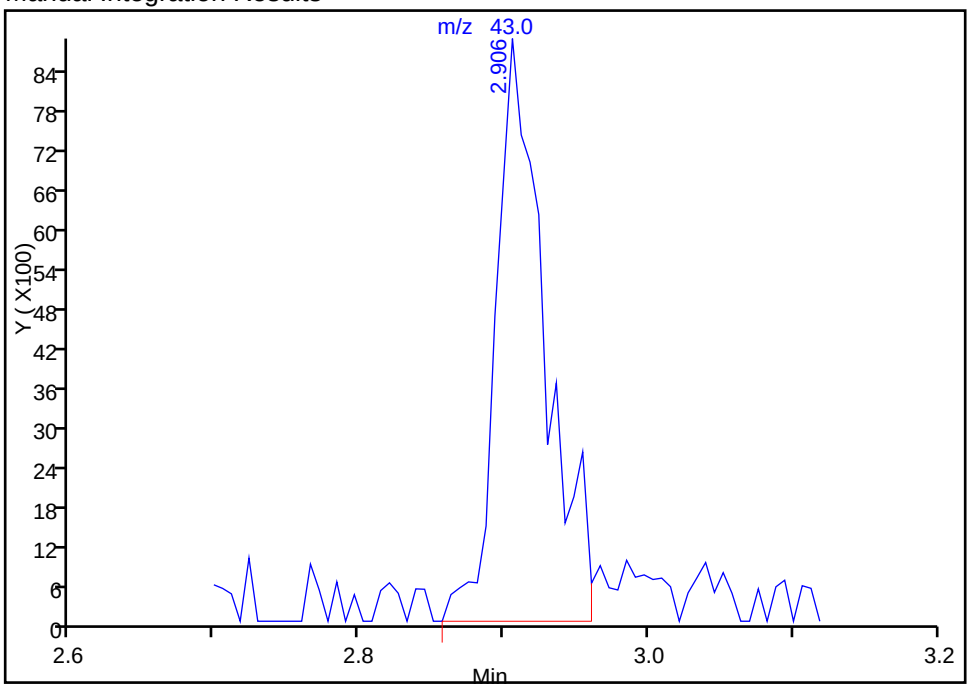
Processing Integration Results

RT: 2.91
Area: 16657
Amount: 3.648329
Amount Units: ug/L



Manual Integration Results

RT: 2.91
Area: 20950
Amount: 5.948162
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:28:18
Audit Action: Split an Integrated Peak Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

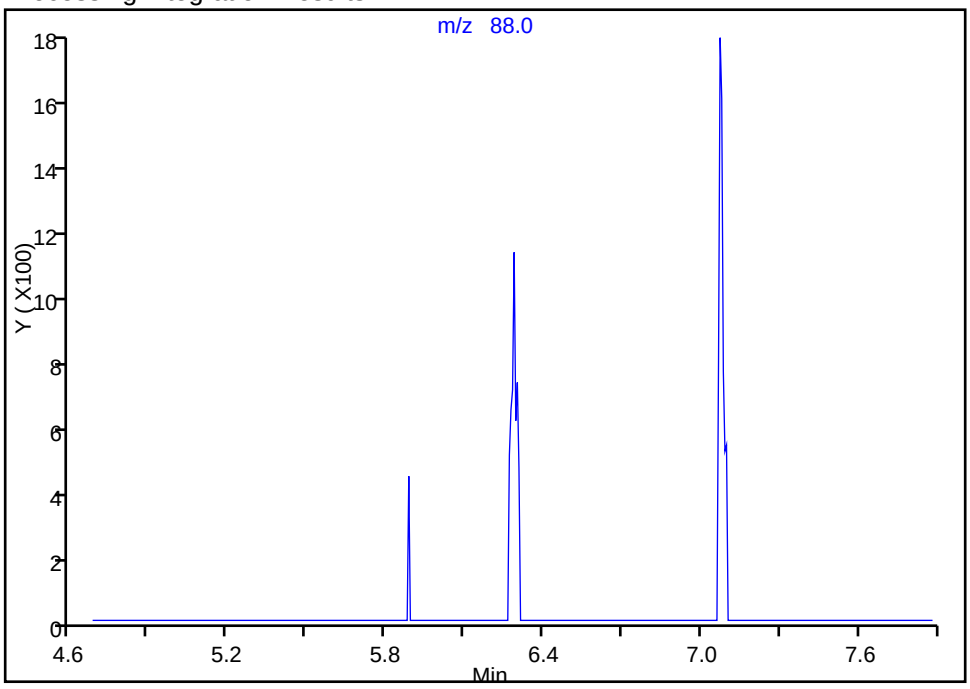
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

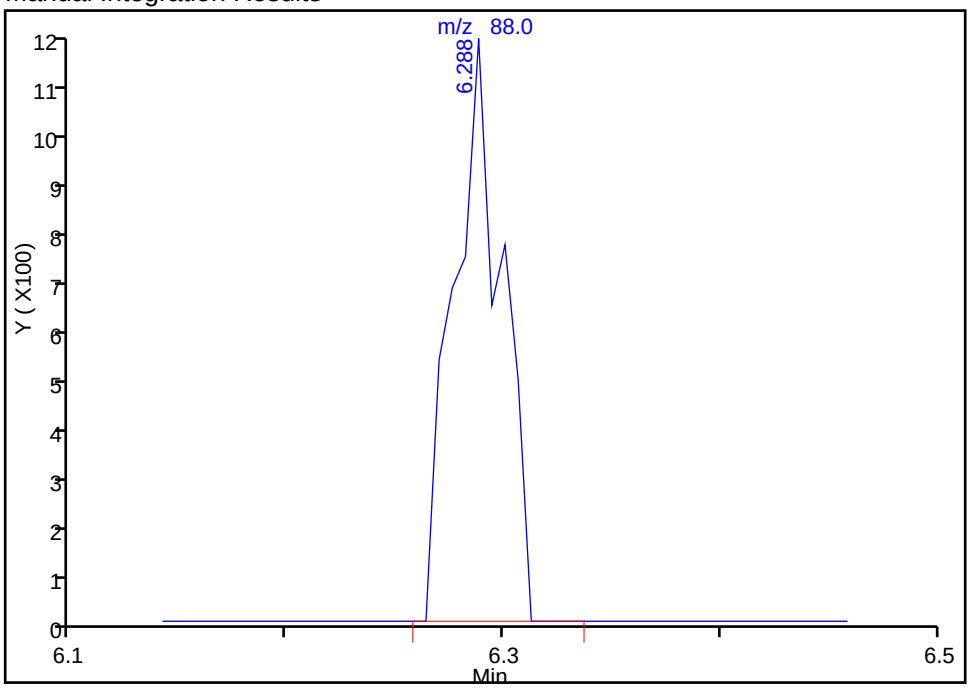
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 1762
Amount: 21.002419
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:28:18
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

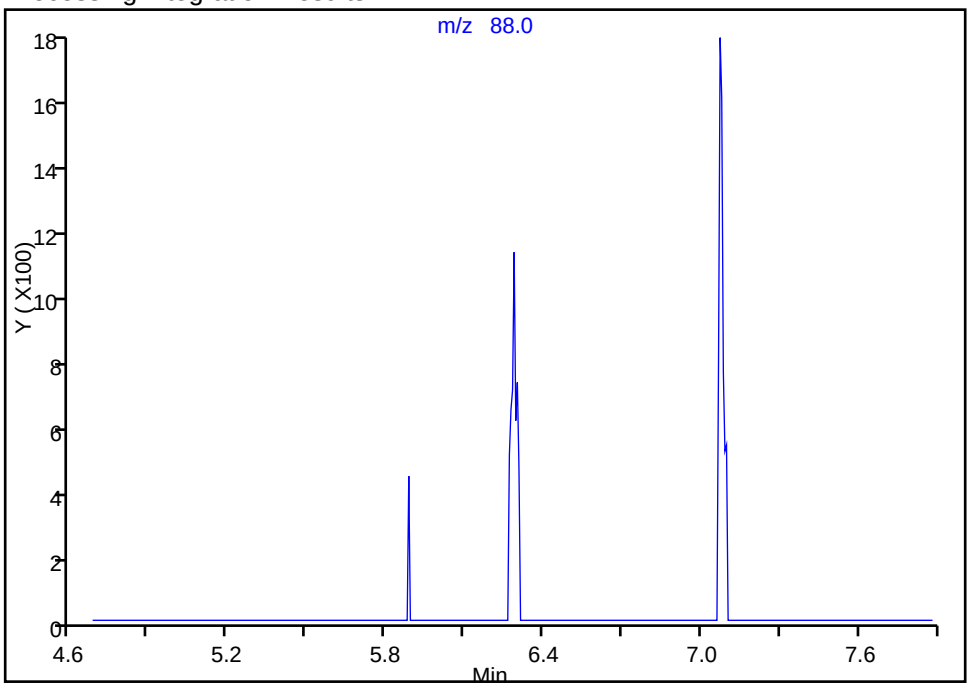
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

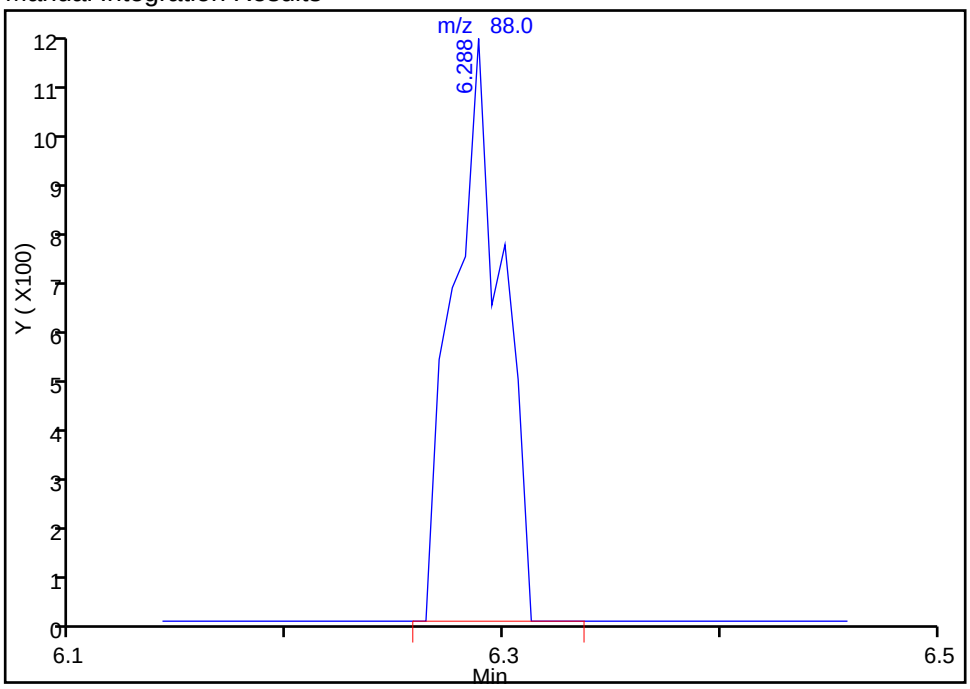
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 1762
Amount: 21.002419
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:28:18
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

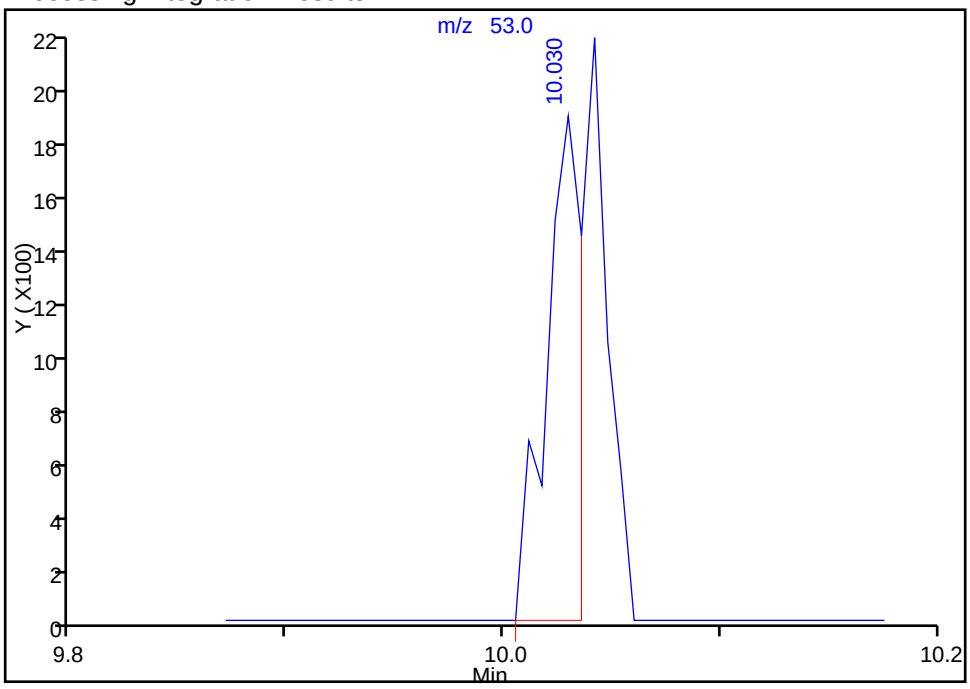
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

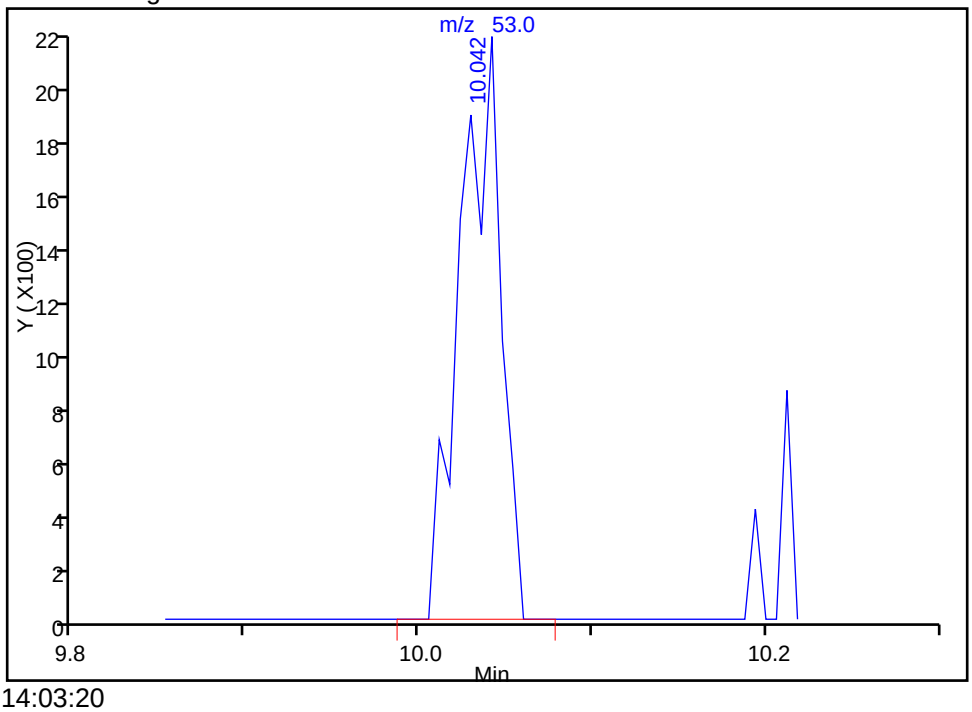
Processing Integration Results

RT: 10.03
Area: 2210
Amount: 0.671519
Amount Units: ug/L



Manual Integration Results

RT: 10.04
Area: 3603
Amount: 1.039776
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 14:03:20
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-May-2016 17:58:30 ALS Bottle#: 49 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0053328-006
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:51 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:29:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.558	0.000	98	171815	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	90	542325	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	98	247308	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	94	195573	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	260111	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	93	750929	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	205151	25.0	25.1	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	40	11931	2.00	1.67	
13 Chloromethane	50	1.537	1.543	-0.006	99	26084	2.00	1.99	
14 Vinyl chloride	62	1.653	1.659	-0.006	96	18660	2.00	1.87	
144 Butadiene	54	1.671	1.677	-0.006	88	19536	2.00	1.76	
15 Bromomethane	94	1.957	1.951	0.006	88	10128	2.00	2.11	
16 Chloroethane	64	2.066	2.060	0.006	93	10918	2.00	1.96	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	96	26969	2.00	2.17	
18 Trichlorofluoromethane	101	2.310	2.285	0.025	38	13749	2.00	1.60	
19 Ethyl ether	59	2.590	2.590	0.000	93	20299	2.00	2.02	
20 Acrolein	56	2.742	2.748	-0.006	98	22989	10.0	10.3	
22 1,1-Dichloroethene	96	2.809	2.796	0.013	90	14337	2.00	2.03	
21 1,1,2-Trichloro-1,2,2-trif	101	2.803	2.809	-0.006	61	10786	2.00	1.78	
23 Acetone	43	2.906	2.900	0.006	99	42059	10.0	11.9	
24 Iodomethane	142	2.955	2.955	0.000	96	22963	2.00	2.10	
25 Carbon disulfide	76	3.003	2.997	0.006	100	45672	2.00	1.96	
27 3-Chloro-1-propene	41	3.168	3.168	0.000	91	34512	2.00	2.03	
28 Methyl acetate	43	3.210	3.204	0.006	99	96995	10.0	10.7	
30 Methylene Chloride	84	3.301	3.301	0.000	96	23615	2.00	1.84	
31 2-Methyl-2-propanol	59	3.460	3.460	0.000	97	26040	20.0	21.3	
32 Methyl tert-butyl ether	73	3.539	3.533	0.006	96	55556	2.00	2.12	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	69	15068	2.00	1.96	
34 Acrylonitrile	53	3.569	3.563	0.006	100	106008	20.0	22.3	
35 Hexane	57	3.764	3.758	0.006	88	26376	2.00	1.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	32916	2.00	2.02	
39 Vinyl acetate	43	4.007	4.001	0.006	96	94158	4.00	4.28	
42 2,2-Dichloropropane	77	4.476	4.476	0.000	87	14487	2.00	1.92	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	84	18709	2.00	2.06	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	99	58519	10.0	11.0	
47 Chlorobromomethane	128	4.731	4.737	-0.006	86	7960	2.00	2.01	
49 Tetrahydrofuran	42	4.780	4.768	0.012	84	16078	4.00	4.17	
50 Chloroform	83	4.810	4.810	0.000	95	28407	2.00	2.08	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	95	18499	2.00	1.86	
52 Cyclohexane	56	4.968	4.968	0.000	37	30383	2.00	1.89	
53 Carbon tetrachloride	117	5.090	5.090	0.000	71	15162	2.00	1.81	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	93	19560	2.00	1.92	
56 Isobutyl alcohol	43	5.285	5.279	0.006	47	29529	50.0	53.8	
55 Benzene	78	5.297	5.297	0.000	98	66640	2.00	2.11	
57 1,2-Dichloroethane	62	5.339	5.345	-0.006	96	25982	2.00	2.10	
59 n-Heptane	43	5.498	5.498	0.000	92	27020	2.00	1.92	
60 Trichloroethene	95	5.911	5.905	0.006	92	14768	2.00	2.00	
62 Methylcyclohexane	83	6.051	6.045	0.006	93	24706	2.00	1.90	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	93	17801	2.00	2.06	
64 Dibromomethane	93	6.264	6.264	0.000	89	9840	2.00	2.10	
66 1,4-Dioxane	88	6.282	6.282	0.000	1	3953	40.0	46.7	M
67 Dichlorobromomethane	83	6.422	6.416	0.006	96	20041	2.00	2.04	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	89	10459	2.00	2.02	
71 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	91	26181	2.00	2.06	
72 4-Methyl-2-pentanone (MIBK	58	6.988	6.982	0.006	96	44808	10.0	10.8	
73 Toluene	92	7.140	7.140	0.000	98	39141	2.00	2.08	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	21421	2.00	1.94	
77 Ethyl methacrylate	69	7.463	7.463	0.000	95	18738	2.00	1.98	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	91	10417	2.00	1.97	
79 Tetrachloroethene	166	7.682	7.688	-0.006	92	12124	2.00	1.79	
80 1,3-Dichloropropane	76	7.755	7.755	0.000	95	22323	2.00	1.97	
82 2-Hexanone	43	7.821	7.821	0.000	97	67874	10.0	10.9	
83 Chlorodibromomethane	129	7.992	7.992	0.000	97	11724	2.00	1.77	
84 Ethylene Dibromide	107	8.101	8.101	0.000	97	14108	2.00	2.16	
85 Chlorobenzene	112	8.588	8.588	0.000	91	41221	2.00	2.14	
88 Ethylbenzene	91	8.685	8.685	0.000	98	74628	2.00	2.09	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	43	14009	2.00	2.12	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	39010	2.00	1.94	
91 o-Xylene	106	9.239	9.233	0.006	95	30197	2.00	2.11	
92 Styrene	104	9.257	9.263	-0.006	96	44966	2.00	2.09	
93 Bromoform	173	9.488	9.494	-0.006	89	7688	2.00	1.94	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	63713	2.00	2.01	
97 Bromobenzene	156	9.957	9.951	0.006	96	14334	2.00	1.97	
98 1,1,2,2-Tetrachloroethane	83	9.981	9.987	-0.006	93	18109	2.00	2.07	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	85	4692	2.00	1.80	
101 trans-1,4-Dichloro-2-buten	53	10.030	10.036	-0.006	68	5801	2.00	1.70	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	77850	2.00	2.08	
102 2-Chlorotoluene	126	10.139	10.139	0.000	94	14650	2.00	2.00	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	55344	2.00	2.03	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	60141	2.00	2.17	
106 tert-Butylbenzene	134	10.535	10.535	0.000	93	10780	2.00	1.92	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	96	61404	2.00	2.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.742	0.000	94	67819	2.00	2.00	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	95	29678	2.00	2.05	
111 4-Isopropyltoluene	119	10.882	10.882	0.000	98	57808	2.00	2.04	
113 1,4-Dichlorobenzene	146	10.961	10.955	0.006	90	29514	2.00	2.04	
115 n-Butylbenzene	91	11.265	11.265	0.000	97	53925	2.00	2.03	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	93	28890	2.00	2.09	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	67	3576	2.00	2.13	
119 1,2,4-Trichlorobenzene	180	12.707	12.713	-0.006	90	18399	2.00	1.96	
120 Hexachlorobutadiene	225	12.828	12.834	-0.006	92	9533	2.00	1.99	
121 Naphthalene	128	12.920	12.920	0.000	97	48049	2.00	1.90	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	91	15964	2.00	1.90	
S 125 Total BTEX	1				0			10.3	
S 126 Xylenes, Total	1				0			4.05	
S 123 1,3-Dichloropropene, Total	1				0			3.99	
S 124 1,2-Dichloroethene, Total	1				0			4.02	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	2.00	Units: uL	
GAS CORP mix_00155	Amount Added:	2.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

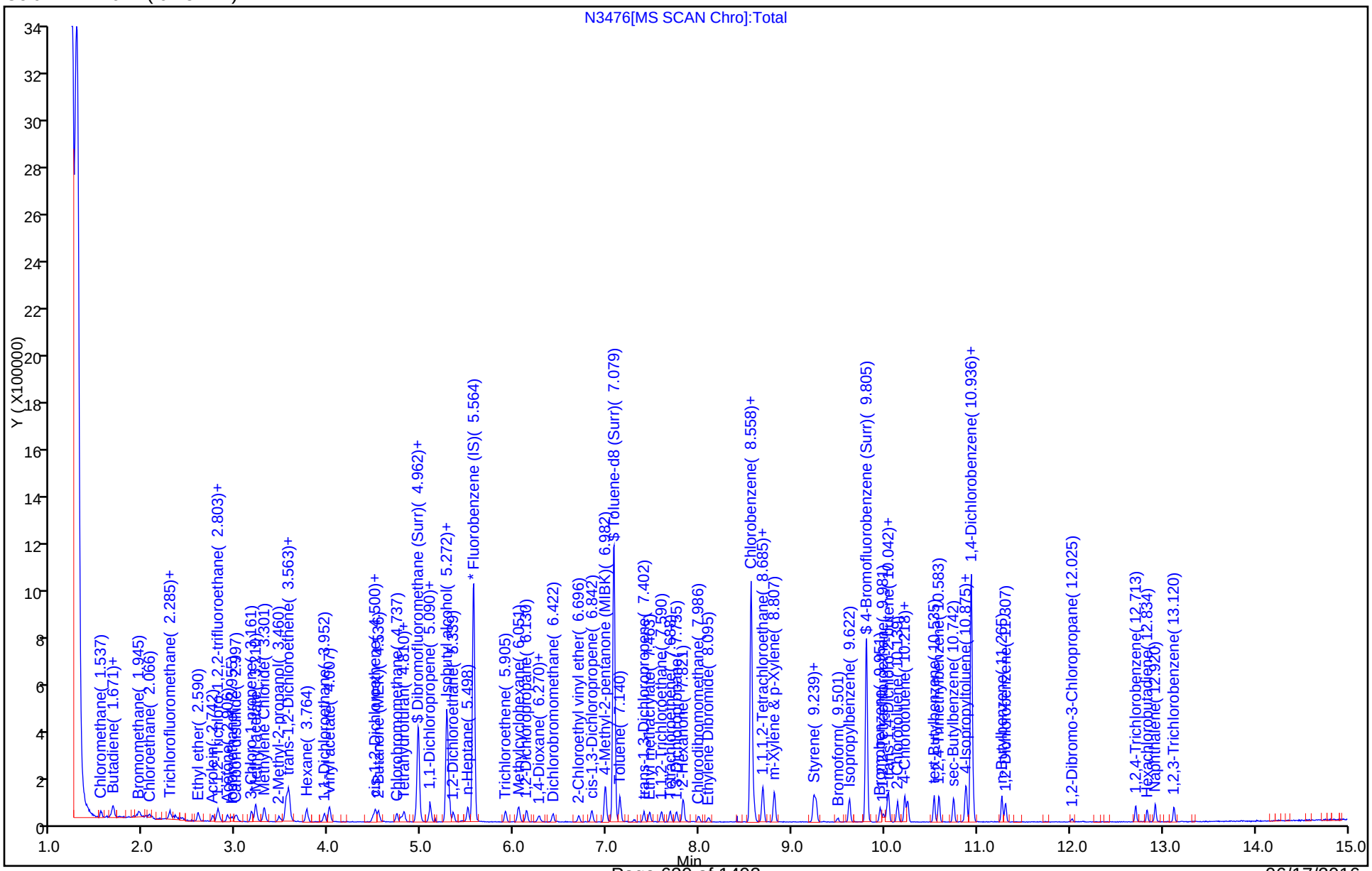
Report Date: 19-May-2016 14:05:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D

Injection Date:	18-May-2016 17:58:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	49
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

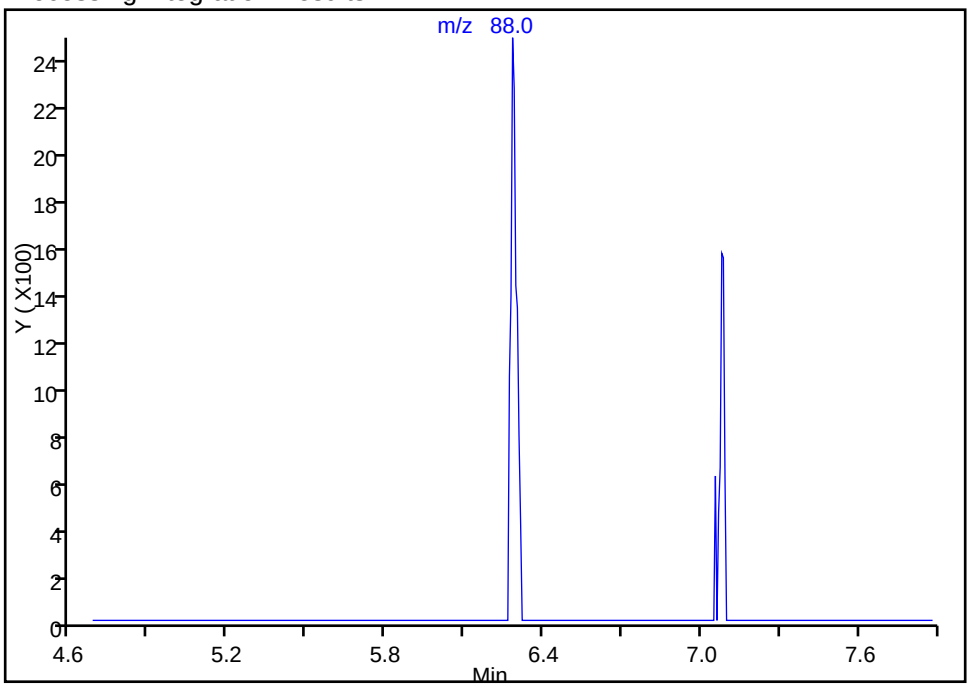
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D
Injection Date: 18-May-2016 17:58:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: SO ALS Bottle#: 49 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

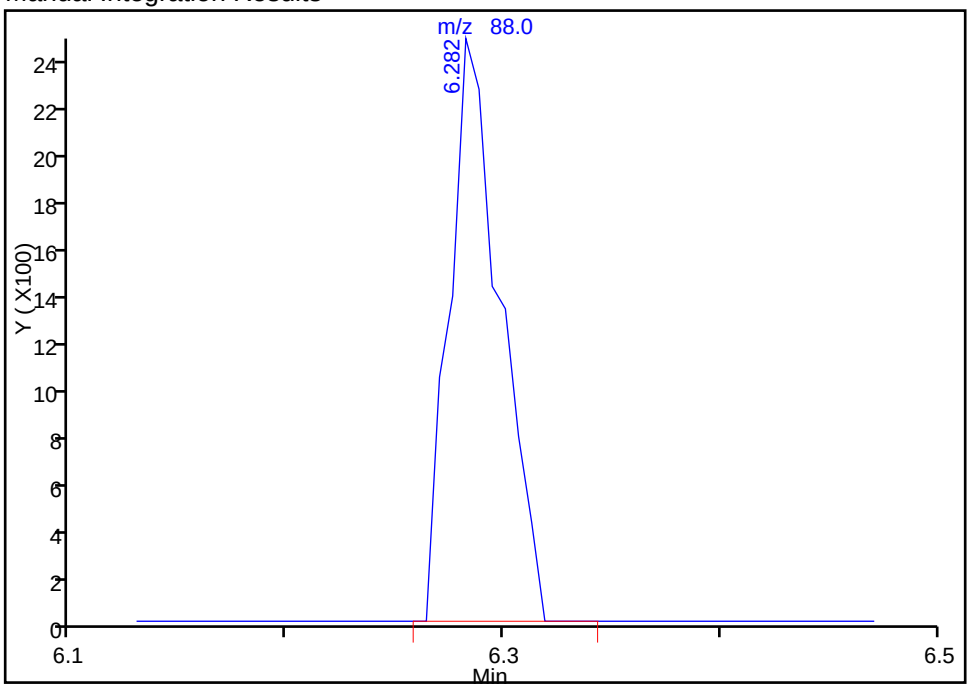
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.28
Area: 3953
Amount: 46.731221
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:29:19
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

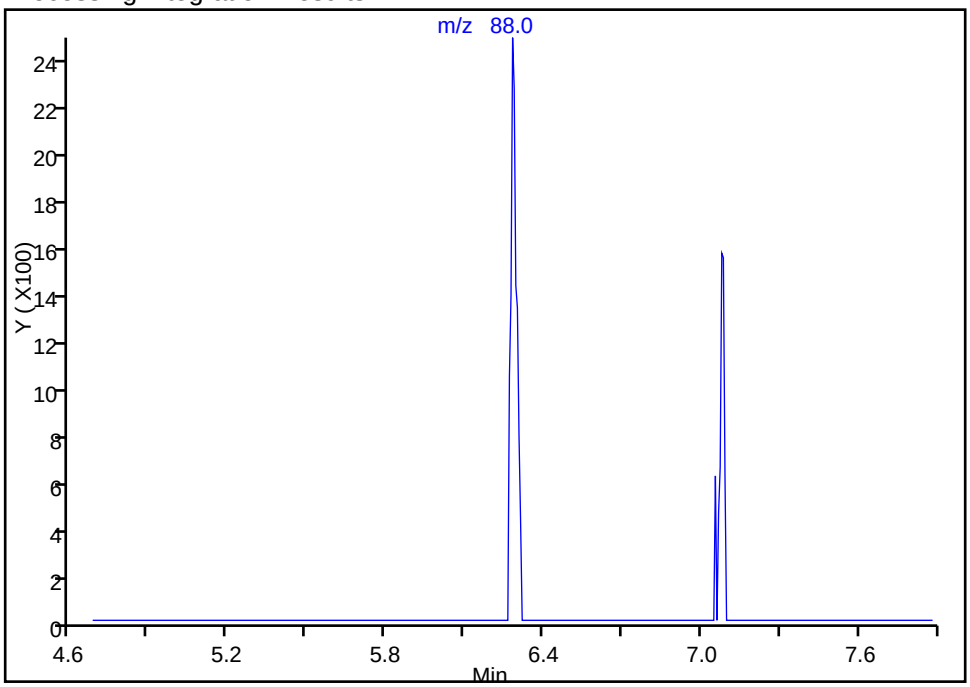
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D
Injection Date: 18-May-2016 17:58:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: SO ALS Bottle#: 49 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

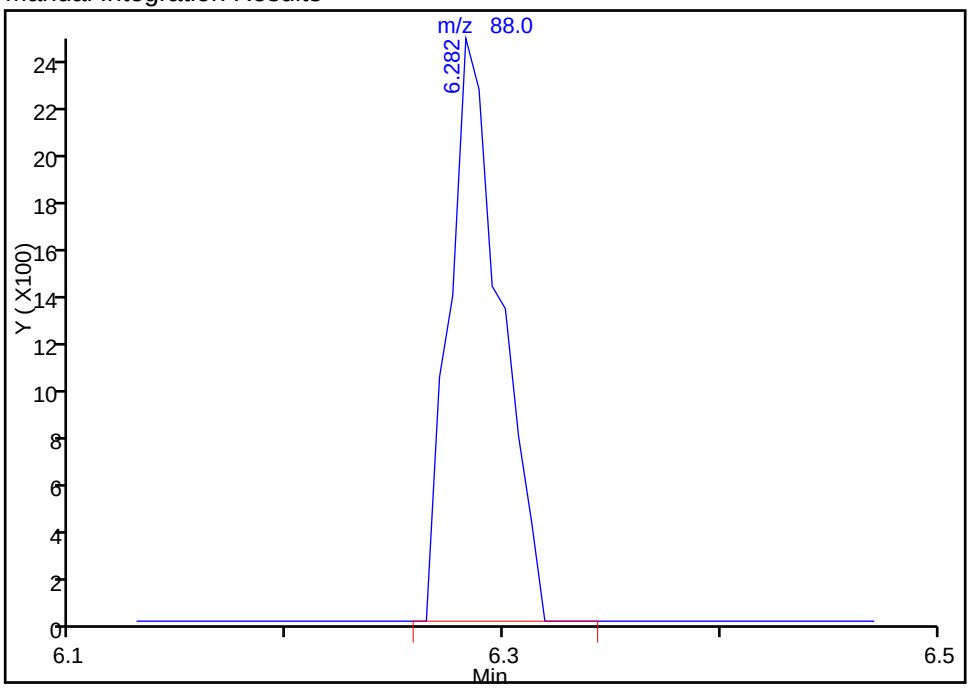
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.28
Area: 3953
Amount: 46.731221
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:29:19
Audit Action: Manually Integrated Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3477.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-May-2016 18:25:30 ALS Bottle#: 50 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0053328-007
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:56 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:30:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.558	0.000	97	170128	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.557	0.000	89	541798	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	251529	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	95	203661	25.0	26.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	261983	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	754982	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	84	210270	25.0	25.7	
11 Dichlorodifluoromethane	85	1.397	1.397	0.000	98	39806	5.00	5.62	
13 Chloromethane	50	1.537	1.537	0.000	99	70686	5.00	5.44	
14 Vinyl chloride	62	1.659	1.659	0.000	97	49939	5.00	5.06	
144 Butadiene	54	1.677	1.677	0.000	88	60144	5.00	5.48	
15 Bromomethane	94	1.957	1.957	0.000	90	23211	5.00	4.89	
16 Chloroethane	64	2.060	2.060	0.000	96	27280	5.00	4.95	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	97	63622	5.00	5.17	
18 Trichlorofluoromethane	101	2.310	2.310	0.000	80	45517	5.00	5.34	
19 Ethyl ether	59	2.589	2.589	0.000	94	48385	5.00	4.86	
20 Acrolein	56	2.748	2.748	0.000	97	58843	25.0	26.7	
22 1,1-Dichloroethene	96	2.802	2.802	0.000	93	33346	5.00	4.78	
21 1,1,2-Trichloro-1,2,2-trif	101	2.802	2.802	0.000	61	30527	5.00	5.10	
23 Acetone	43	2.912	2.912	0.000	100	89141	25.0	25.6	
24 Iodomethane	142	2.954	2.954	0.000	99	55894	5.00	5.17	
25 Carbon disulfide	76	3.003	3.003	0.000	100	114936	5.00	4.97	
27 3-Chloro-1-propene	41	3.167	3.167	0.000	92	85267	5.00	5.06	
28 Methyl acetate	43	3.210	3.210	0.000	99	235134	25.0	26.3	
30 Methylene Chloride	84	3.301	3.301	0.000	98	49706	5.00	5.14	
31 2-Methyl-2-propanol	59	3.459	3.459	0.000	98	60819	50.0	50.2	
32 Methyl tert-butyl ether	73	3.538	3.538	0.000	97	132297	5.00	5.09	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	83	38560	5.00	5.07	
34 Acrylonitrile	53	3.569	3.569	0.000	99	250301	50.0	53.3	
35 Hexane	57	3.757	3.757	0.000	93	69710	5.00	4.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	80926	5.00	5.03	
39 Vinyl acetate	43	4.007	4.007	0.000	97	231595	10.0	10.6	
42 2,2-Dichloropropane	77	4.475	4.475	0.000	91	34211	5.00	4.57	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	84	46359	5.00	5.15	
44 2-Butanone (MEK)	43	4.536	4.536	0.000	99	137100	25.0	25.9	
47 Chlorobromomethane	128	4.737	4.737	0.000	91	21112	5.00	5.39	
49 Tetrahydrofuran	42	4.773	4.773	0.000	92	39455	10.0	10.3	
50 Chloroform	83	4.816	4.816	0.000	95	65462	5.00	4.84	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	50002	5.00	5.07	
52 Cyclohexane	56	4.974	4.974	0.000	86	80967	5.00	5.07	
53 Carbon tetrachloride	117	5.096	5.096	0.000	82	38952	5.00	4.70	
54 1,1-Dichloropropene	75	5.090	5.090	0.000	91	50607	5.00	5.03	
56 Isobutyl alcohol	43	5.284	5.284	0.000	59	70288	125.0	129.4	
55 Benzene	78	5.297	5.297	0.000	96	160508	5.00	5.13	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	61784	5.00	5.04	
59 n-Heptane	43	5.503	5.503	0.000	94	74934	5.00	5.37	
60 Trichloroethene	95	5.905	5.905	0.000	96	35719	5.00	4.88	
62 Methylcyclohexane	83	6.045	6.045	0.000	97	65284	5.00	5.07	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	94	44016	5.00	5.14	
64 Dibromomethane	93	6.264	6.264	0.000	96	22337	5.00	4.81	
66 1,4-Dioxane	88	6.282	6.282	0.000	65	8528	100.0	100.9	
67 Dichlorobromomethane	83	6.416	6.416	0.000	98	50713	5.00	5.21	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	89	24451	5.00	4.78	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	92	63611	5.00	5.04	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	96	106987	25.0	25.8	
73 Toluene	92	7.146	7.146	0.000	98	95921	5.00	5.11	
75 trans-1,3-Dichloropropene	75	7.395	7.395	0.000	94	56331	5.00	5.09	
77 Ethyl methacrylate	69	7.462	7.462	0.000	94	46565	5.00	4.93	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	27091	5.00	5.13	
79 Tetrachloroethene	166	7.687	7.687	0.000	97	35101	5.00	5.18	
80 1,3-Dichloropropane	76	7.754	7.754	0.000	98	57754	5.00	5.11	
82 2-Hexanone	43	7.821	7.821	0.000	97	166269	25.0	26.7	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	33917	5.00	5.13	
84 Ethylene Dibromide	107	8.101	8.101	0.000	96	31875	5.00	4.88	
85 Chlorobenzene	112	8.588	8.588	0.000	94	95747	5.00	4.99	
88 Ethylbenzene	91	8.685	8.685	0.000	99	178692	5.00	5.01	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	93	34121	5.00	5.17	
90 m-Xylene & p-Xylene	106	8.807	8.807	0.000	0	78462	5.00	5.04	
91 o-Xylene	106	9.239	9.239	0.000	95	73971	5.00	5.17	
92 Styrene	104	9.257	9.257	0.000	93	107782	5.00	5.00	
93 Bromoform	173	9.494	9.494	0.000	96	18628	5.00	4.71	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	165224	5.00	5.13	
97 Bromobenzene	156	9.957	9.957	0.000	97	35856	5.00	4.84	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	93	44830	5.00	5.05	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	85	13313	5.00	5.01	
101 trans-1,4-Dichloro-2-buten	53	10.042	10.042	0.000	72	17631	5.00	5.07	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	202317	5.00	5.31	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	37331	5.00	5.01	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	143103	5.00	5.17	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	145288	5.00	5.14	
106 tert-Butylbenzene	134	10.535	10.535	0.000	93	31837	5.00	5.57	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	98	147328	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.741	10.741	0.000	95	179837	5.00	5.20	
110 1,3-Dichlorobenzene	146	10.875	10.875	0.000	95	76253	5.00	5.17	
111 4-Isopropyltoluene	119	10.881	10.881	0.000	97	148690	5.00	5.16	
113 1,4-Dichlorobenzene	146	10.954	10.954	0.000	93	75739	5.00	5.15	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	140234	5.00	5.18	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	71238	5.00	5.06	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	83	8837	5.00	5.18	
119 1,2,4-Trichlorobenzene	180	12.712	12.712	0.000	94	50410	5.00	5.28	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	93	27106	5.00	5.56	
121 Naphthalene	128	12.925	12.925	0.000	97	138780	5.00	5.41	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	44018	5.00	5.15	
S 125 Total BTEX	1				0			25.5	
S 126 Xylenes, Total	1				0			10.2	
S 123 1,3-Dichloropropene, Total	1				0			10.1	
S 124 1,2-Dichloroethene, Total	1				0			10.2	

Reagents:

8260 CORP mix_00074	Amount Added:	5.00	Units: uL	
GAS CORP mix_00155	Amount Added:	5.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

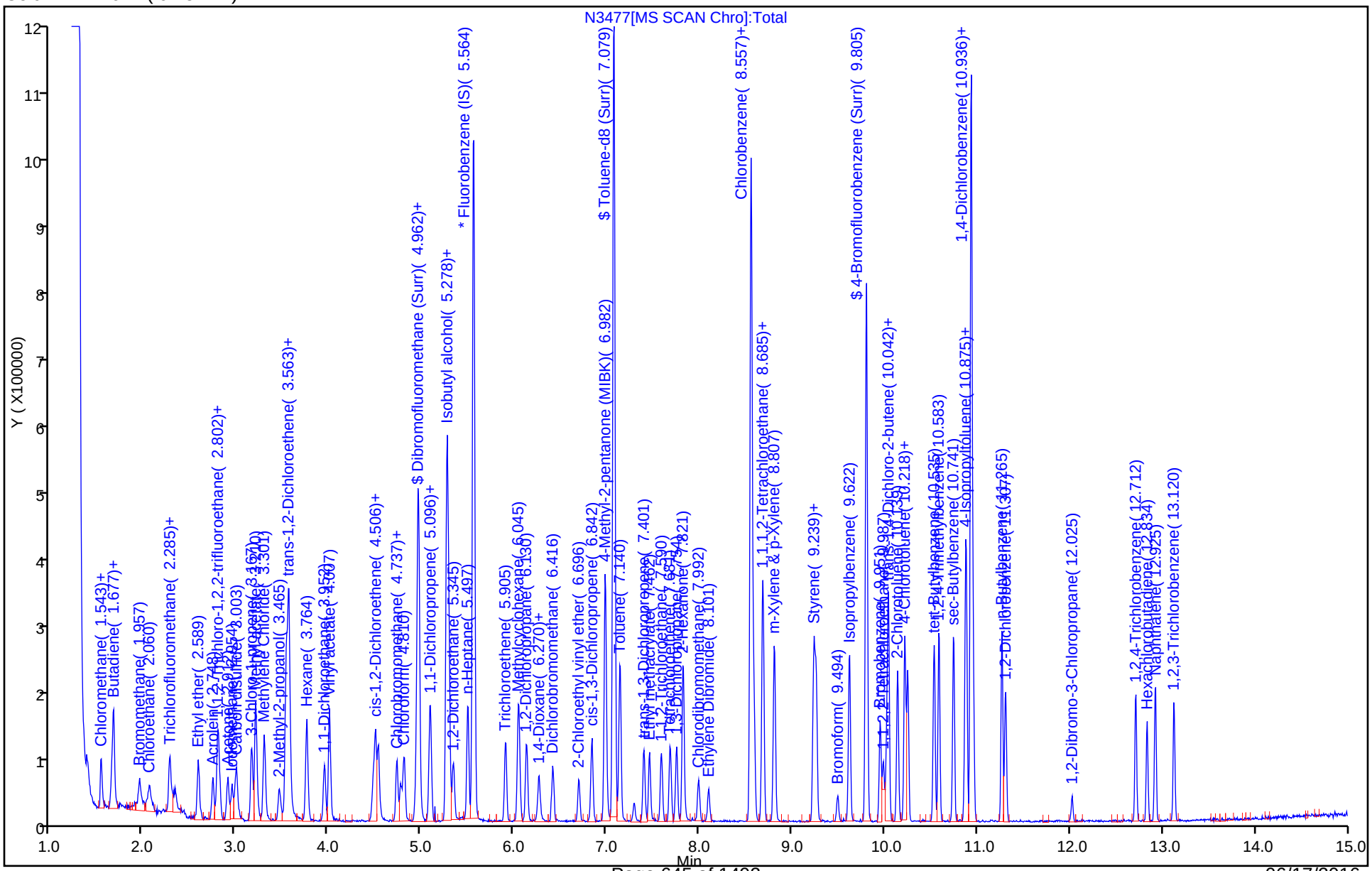
Report Date: 19-May-2016 14:05:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3477.D

Injection Date:	18-May-2016 18:25:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	50
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3478.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-May-2016 18:51:30 ALS Bottle#: 51 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0053328-008
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:59 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:31:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.565	5.558	0.007	98	172725	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.557	0.001	88	530612	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	249957	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	95	195037	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.273	5.272	0.000	0	255661	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	731423	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.001	85	198199	25.0	24.8	
11 Dichlorodifluoromethane	85	1.391	1.397	-0.006	99	60939	10.0	8.48	
13 Chloromethane	50	1.543	1.537	0.006	99	120738	10.0	9.16	
14 Vinyl chloride	62	1.659	1.659	0.000	97	88856	10.0	8.86	
144 Butadiene	54	1.677	1.677	0.000	86	94486	10.0	8.49	
15 Bromomethane	94	1.957	1.957	0.000	89	41680	10.0	8.65	
16 Chloroethane	64	2.060	2.060	0.000	100	53054	10.0	9.48	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	97	114711	10.0	9.18	
18 Trichlorofluoromethane	101	2.292	2.310	-0.018	53	73394	10.0	8.47	
19 Ethyl ether	59	2.590	2.589	0.001	96	101723	10.0	10.1	
20 Acrolein	56	2.748	2.748	0.000	100	111202	50.0	49.6	
22 1,1-Dichloroethene	96	2.803	2.802	0.001	93	74725	10.0	10.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.815	2.802	0.013	61	70288	10.0	11.6	
23 Acetone	43	2.906	2.912	-0.006	100	158334	50.0	44.7	
24 Iodomethane	142	2.955	2.954	0.001	99	109849	10.0	10.0	
25 Carbon disulfide	76	2.997	3.003	-0.006	99	253095	10.0	10.8	
27 3-Chloro-1-propene	41	3.168	3.167	0.001	91	180519	10.0	10.5	
28 Methyl acetate	43	3.210	3.210	0.000	99	441886	50.0	48.6	
30 Methylene Chloride	84	3.301	3.301	0.000	97	95842	10.0	10.7	
31 2-Methyl-2-propanol	59	3.466	3.459	0.007	99	114689	100.0	93.3	M
32 Methyl tert-butyl ether	73	3.539	3.538	0.001	97	266232	10.0	10.1	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.001	94	83964	10.0	10.9	
34 Acrylonitrile	53	3.569	3.569	0.000	100	468319	100.0	98.2	
35 Hexane	57	3.758	3.757	0.001	88	158534	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	97	168963	10.0	10.3	
39 Vinyl acetate	43	4.007	4.007	0.000	97	437446	20.0	19.8	
42 2,2-Dichloropropane	77	4.482	4.475	0.007	90	79588	10.0	10.5	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	86	92098	10.0	10.1	
44 2-Butanone (MEK)	43	4.530	4.536	-0.006	98	252355	50.0	47.0	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	40873	10.0	10.3	
49 Tetrahydrofuran	42	4.768	4.773	-0.005	95	74382	20.0	19.2	
50 Chloroform	83	4.810	4.816	-0.006	94	140673	10.0	10.2	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	111236	10.0	11.1	
52 Cyclohexane	56	4.968	4.974	-0.006	78	174496	10.0	10.8	
53 Carbon tetrachloride	117	5.090	5.096	-0.006	97	92650	10.0	11.0	
54 1,1-Dichloropropene	75	5.096	5.090	0.006	92	108290	10.0	10.6	
56 Isobutyl alcohol	43	5.279	5.284	-0.005	95	123586	250.0	224.1	
55 Benzene	78	5.297	5.297	0.000	98	329620	10.0	10.4	
57 1,2-Dichloroethane	62	5.346	5.345	0.001	97	119670	10.0	9.62	
59 n-Heptane	43	5.498	5.503	-0.005	95	148156	10.0	10.5	
60 Trichloroethene	95	5.905	5.905	0.000	99	79394	10.0	10.7	
62 Methylcyclohexane	83	6.051	6.045	0.006	96	140462	10.0	10.7	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	95	87423	10.0	10.1	
64 Dibromomethane	93	6.264	6.264	0.000	95	47413	10.0	10.1	
66 1,4-Dioxane	88	6.288	6.282	0.006	83	14074	200.0	170.1	
67 Dichlorobromomethane	83	6.422	6.416	0.006	98	97771	10.0	9.89	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	90	50603	10.0	9.73	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	94	128435	10.0	10.0	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	201302	50.0	49.6	
73 Toluene	92	7.140	7.146	-0.006	98	191519	10.0	10.4	
75 trans-1,3-Dichloropropene	75	7.396	7.395	0.001	96	108079	10.0	9.98	
77 Ethyl methacrylate	69	7.463	7.462	0.001	94	90269	10.0	9.75	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	92	54262	10.0	10.5	
79 Tetrachloroethene	166	7.688	7.687	0.001	98	69009	10.0	10.4	
80 1,3-Dichloropropane	76	7.755	7.754	0.001	96	108504	10.0	9.81	
82 2-Hexanone	43	7.822	7.821	0.001	96	295842	50.0	48.5	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	62545	10.0	9.65	
84 Ethylene Dibromide	107	8.101	8.101	0.000	96	65382	10.0	10.2	
85 Chlorobenzene	112	8.588	8.588	0.000	93	190584	10.0	10.1	
88 Ethylbenzene	91	8.685	8.685	0.000	99	352272	10.0	10.1	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.679	0.006	91	65130	10.0	10.1	
90 m-Xylene & p-Xylene	106	8.807	8.807	0.000	0	142839	10.0	10.3	
91 o-Xylene	106	9.233	9.239	-0.006	97	139105	10.0	9.93	
92 Styrene	104	9.257	9.257	0.000	95	218542	10.0	10.4	
93 Bromoform	173	9.488	9.494	-0.006	95	37241	10.0	9.61	
95 Isopropylbenzene	105	9.616	9.622	-0.006	96	342687	10.0	10.7	
97 Bromobenzene	156	9.951	9.957	-0.006	98	80118	10.0	10.9	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	91	90406	10.0	10.2	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	87	26109	10.0	9.89	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.042	-0.006	69	36823	10.0	10.6	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	400788	10.0	10.6	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	76661	10.0	10.4	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	94	290968	10.0	10.6	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	282710	10.0	10.1	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	56388	10.0	9.93	
108 1,2,4-Trimethylbenzene	105	10.590	10.583	0.007	97	292385	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.741	0.001	95	365990	10.0	10.7	
110 1,3-Dichlorobenzene	146	10.869	10.875	-0.006	97	150139	10.0	10.2	
111 4-Isopropyltoluene	119	10.882	10.881	0.001	97	311164	10.0	10.9	
113 1,4-Dichlorobenzene	146	10.955	10.954	0.001	95	150299	10.0	10.3	
115 n-Butylbenzene	91	11.265	11.265	0.000	99	288248	10.0	10.7	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	96	142339	10.0	10.2	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.019	0.006	79	17986	10.0	10.6	
119 1,2,4-Trichlorobenzene	180	12.713	12.712	0.001	93	94365	10.0	9.94	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	96	48279	10.0	9.97	
121 Naphthalene	128	12.920	12.925	-0.005	97	261345	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	96	88862	10.0	10.5	
S 125 Total BTEX	1				0			51.1	
S 126 Xylenes, Total	1				0			20.3	
S 123 1,3-Dichloropropene, Total	1				0			20.0	
S 124 1,2-Dichloroethene, Total	1				0			20.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	5.00	Units: uL	
GAS CORP mix_00155	Amount Added:	5.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

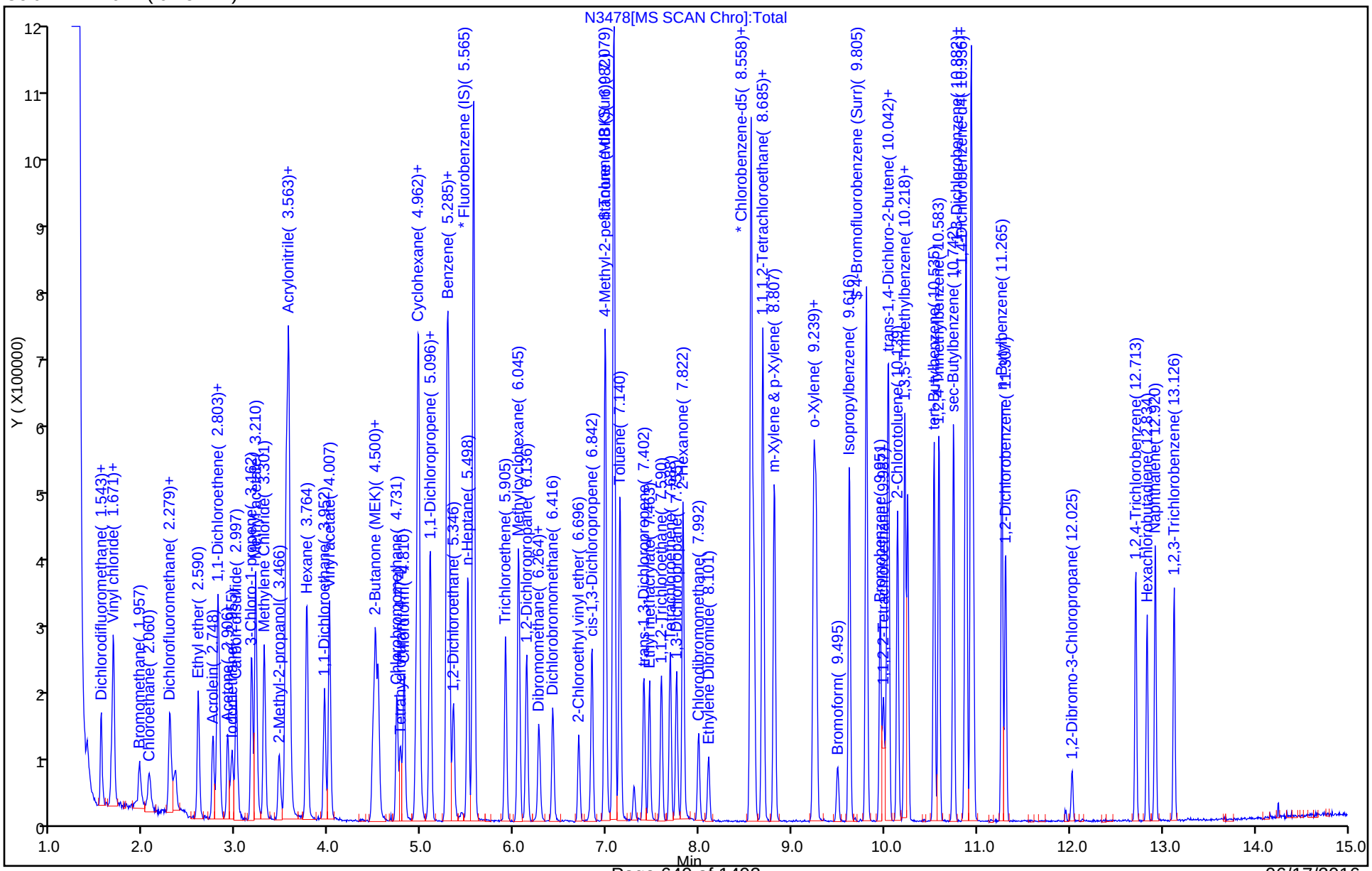
Report Date: 19-May-2016 14:06:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3478.D

Injection Date:	18-May-2016 18:51:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	51
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

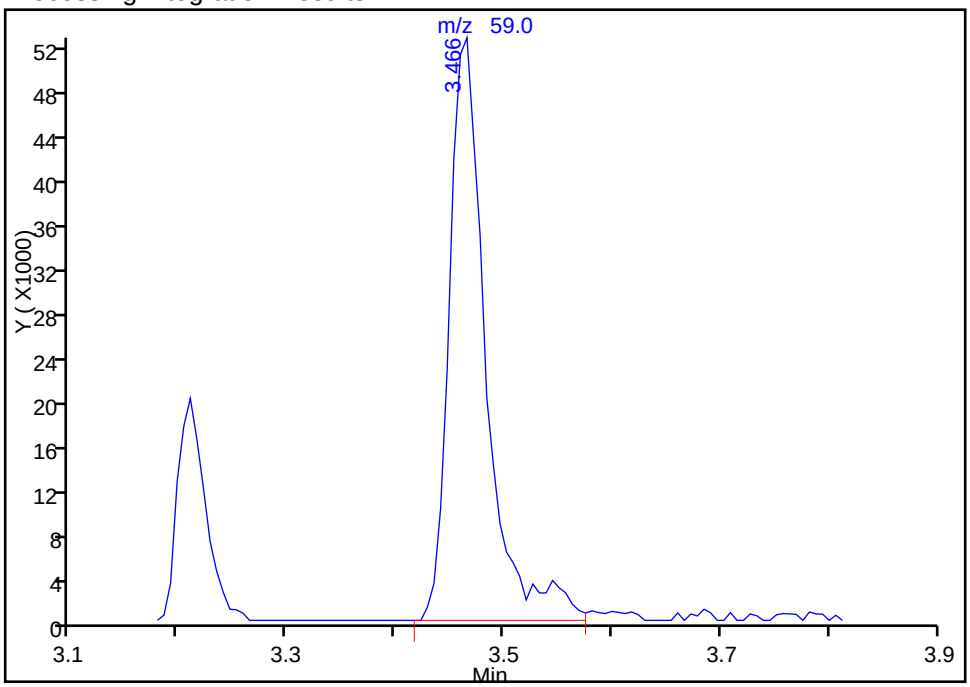
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3478.D
Injection Date: 18-May-2016 18:51:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: SO ALS Bottle#: 51 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

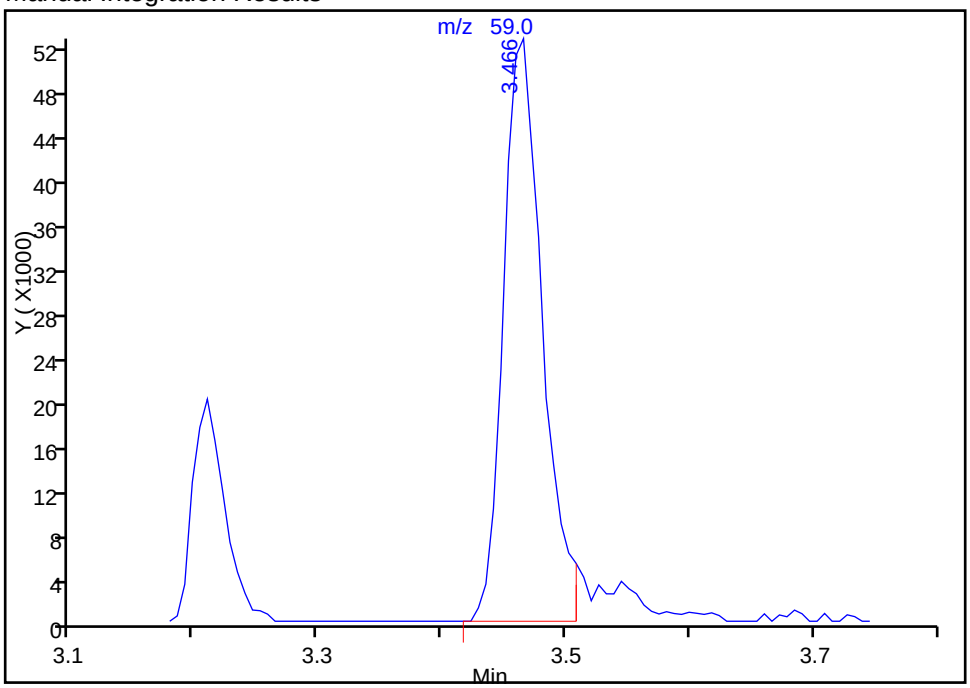
Processing Integration Results

RT: 3.47
Area: 124180
Amount: 101.8694
Amount Units: ug/L



Manual Integration Results

RT: 3.47
Area: 114689
Amount: 93.309320
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:32:03
Audit Action: Split an Integrated Peak Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3479.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 18-May-2016 19:18:30 ALS Bottle#: 52 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0053328-009
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:03 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 08:42:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	172739	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	89	556081	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	261733	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	65	201875	25.0	25.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	270314	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.073	7.073	0.000	94	782507	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	216343	25.0	25.8	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	99	199473	25.0	27.8	
13 Chloromethane	50	1.543	1.543	0.000	99	334610	25.0	25.4	
14 Vinyl chloride	62	1.659	1.659	0.000	98	269614	25.0	26.9	
144 Butadiene	54	1.677	1.677	0.000	88	313913	25.0	28.2	
15 Bromomethane	94	1.951	1.951	0.000	89	113172	25.0	23.5	
16 Chloroethane	64	2.060	2.060	0.000	99	141218	25.0	25.2	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	98	313961	25.0	25.1	
18 Trichlorofluoromethane	101	2.285	2.285	0.000	56	245347	25.0	28.3	
19 Ethyl ether	59	2.590	2.590	0.000	96	263113	25.0	26.0	
20 Acrolein	56	2.748	2.748	0.000	99	283041	125.0	126.3	
22 1,1-Dichloroethene	96	2.796	2.796	0.000	96	190845	25.0	26.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.809	2.809	0.000	70	177112	25.0	29.1	
23 Acetone	43	2.900	2.900	0.000	100	430600	125.0	121.7	
24 Iodomethane	142	2.955	2.955	0.000	98	285549	25.0	26.0	
25 Carbon disulfide	76	2.997	2.997	0.000	100	625549	25.0	26.6	
27 3-Chloro-1-propene	41	3.168	3.168	0.000	93	434782	25.0	25.4	
28 Methyl acetate	43	3.204	3.204	0.000	99	1150005	125.0	126.5	
30 Methylene Chloride	84	3.301	3.301	0.000	99	230932	25.0	27.4	
31 2-Methyl-2-propanol	59	3.460	3.460	0.000	99	320150	250.0	260.4	
32 Methyl tert-butyl ether	73	3.533	3.533	0.000	97	662823	25.0	25.1	
33 trans-1,2-Dichloroethene	96	3.539	3.539	0.000	93	202457	25.0	26.2	
34 Acrylonitrile	53	3.563	3.563	0.000	99	1245207	250.0	261.1	
35 Hexane	57	3.758	3.758	0.000	91	396689	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	429489	25.0	26.3	
39 Vinyl acetate	43	4.001	4.001	0.000	97	1149276	50.0	52.0	
42 2,2-Dichloropropane	77	4.476	4.476	0.000	93	201176	25.0	26.5	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	85	223596	25.0	24.5	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	99	676758	125.0	126.0	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	103112	25.0	25.9	
49 Tetrahydrofuran	42	4.768	4.768	0.000	93	193439	50.0	50.0	
50 Chloroform	83	4.810	4.810	0.000	96	350405	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	277281	25.0	27.7	
52 Cyclohexane	56	4.968	4.968	0.000	92	455944	25.0	28.1	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	95	274071	25.0	26.8	
53 Carbon tetrachloride	117	5.090	5.090	0.000	97	226083	25.0	26.9	
56 Isobutyl alcohol	43	5.279	5.279	0.000	97	381801	625.0	692.2	
55 Benzene	78	5.297	5.297	0.000	98	816731	25.0	25.7	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	304554	25.0	24.5	
59 n-Heptane	43	5.498	5.498	0.000	95	386469	25.0	27.3	
60 Trichloroethene	95	5.905	5.905	0.000	97	196581	25.0	26.4	
62 Methylcyclohexane	83	6.045	6.045	0.000	96	361650	25.0	27.7	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	221240	25.0	25.5	
64 Dibromomethane	93	6.264	6.264	0.000	95	123823	25.0	26.3	
66 1,4-Dioxane	88	6.282	6.282	0.000	96	50671	500.0	584.2	M
67 Dichlorobromomethane	83	6.416	6.416	0.000	98	259746	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	91	140474	25.0	27.0	
71 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	93	327186	25.0	25.5	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	96	543666	125.0	127.8	
73 Toluene	92	7.140	7.140	0.000	98	490235	25.0	25.4	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	297830	25.0	26.2	
77 Ethyl methacrylate	69	7.463	7.463	0.000	94	259609	25.0	26.8	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	143439	25.0	26.5	
79 Tetrachloroethene	166	7.688	7.688	0.000	97	192058	25.0	27.6	
80 1,3-Dichloropropane	76	7.755	7.755	0.000	96	294909	25.0	25.4	
82 2-Hexanone	43	7.821	7.821	0.000	96	832668	125.0	130.2	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	181394	25.0	26.7	
84 Ethylene Dibromide	107	8.101	8.101	0.000	98	178570	25.0	26.7	
85 Chlorobenzene	112	8.588	8.588	0.000	92	509824	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	93	175406	25.0	25.9	
88 Ethylbenzene	91	8.685	8.685	0.000	99	883654	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	364479	25.0	26.8	
91 o-Xylene	106	9.233	9.233	0.000	98	355518	25.0	24.2	
92 Styrene	104	9.263	9.263	0.000	96	575527	25.0	26.0	
93 Bromoform	173	9.494	9.494	0.000	95	104607	25.0	25.8	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	879077	25.0	26.2	
97 Bromobenzene	156	9.951	9.951	0.000	98	196851	25.0	25.5	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	94	230806	25.0	25.0	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	88	73688	25.0	26.7	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	88	93525	25.0	25.8	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	1038407	25.0	26.2	
102 2-Chlorotoluene	126	10.139	10.139	0.000	96	198811	25.0	25.6	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	748325	25.0	26.0	
105 4-Chlorotoluene	91	10.249	10.249	0.000	99	738415	25.0	25.1	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	151767	25.0	25.5	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	97	754640	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.742	0.000	95	947391	25.0	26.3	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	96	391005	25.0	25.5	
111 4-Isopropyltoluene	119	10.882	10.882	0.000	97	785445	25.0	26.2	
113 1,4-Dichlorobenzene	146	10.955	10.955	0.000	92	382903	25.0	25.0	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	746071	25.0	26.5	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	361572	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	84	44995	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	93	250501	25.0	25.2	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	97	129351	25.0	25.5	
121 Naphthalene	128	12.920	12.920	0.000	97	698461	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	233141	25.0	26.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	12.50	Units: uL	
GAS CORP mix_00155	Amount Added:	12.50	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

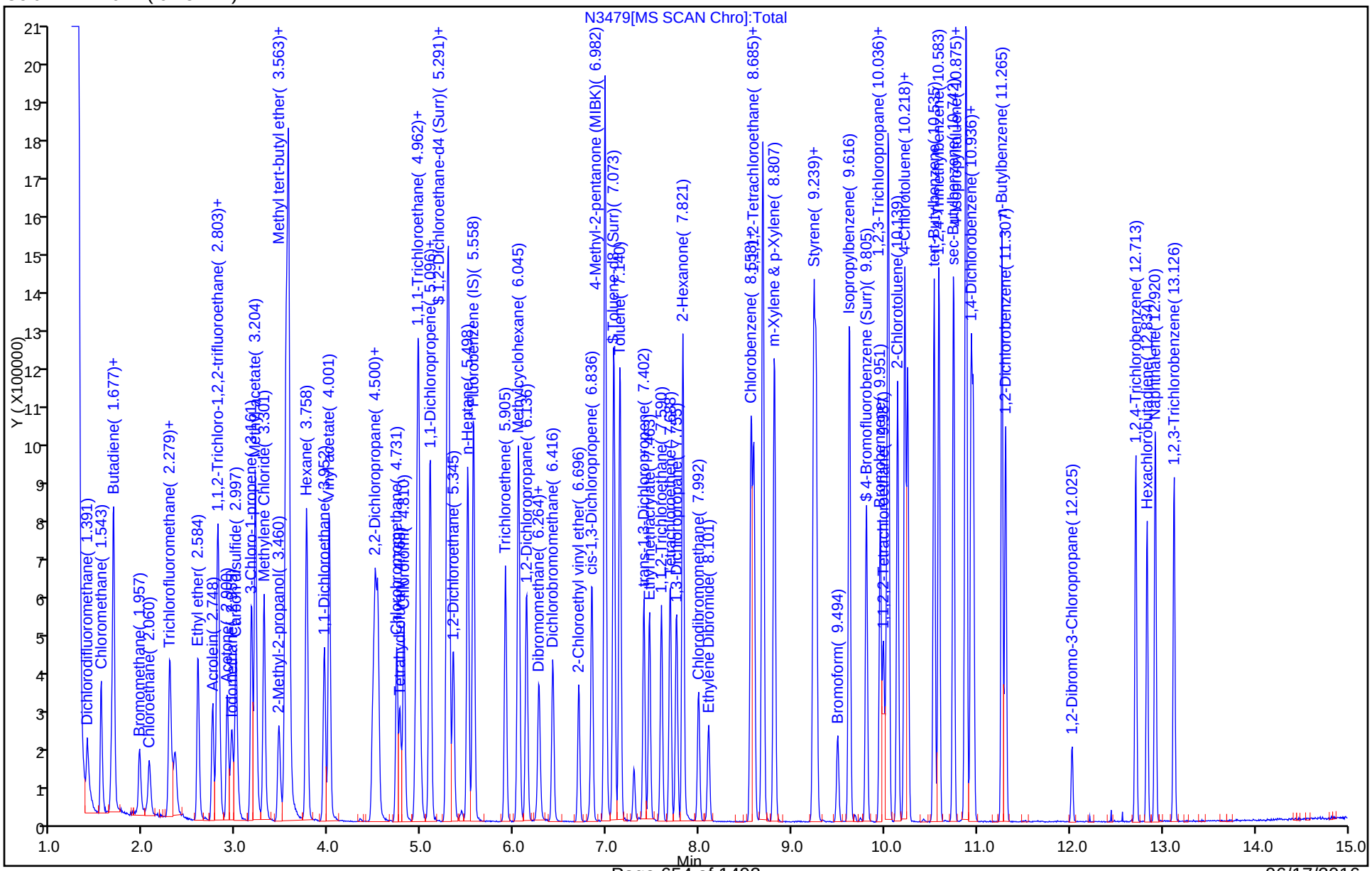
Report Date: 19-May-2016 14:06:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3479.D

Injection Date:	18-May-2016 19:18:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	52
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

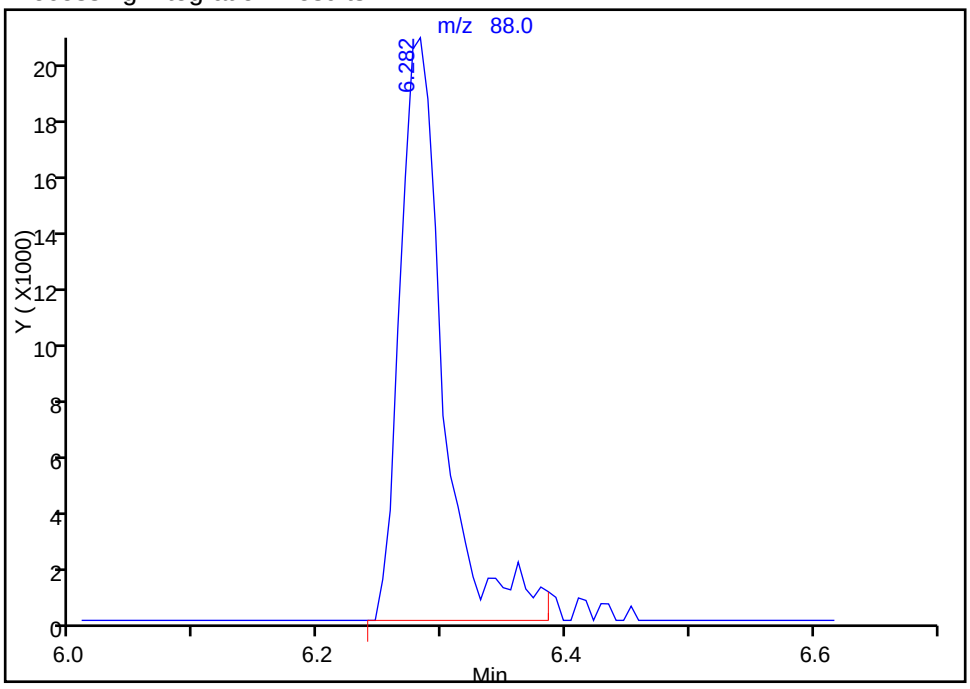
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3479.D
Injection Date: 18-May-2016 19:18:30 Instrument ID: HP5973N
Lims ID: ICIS 5
Client ID:
Operator ID: SO ALS Bottle#: 52 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

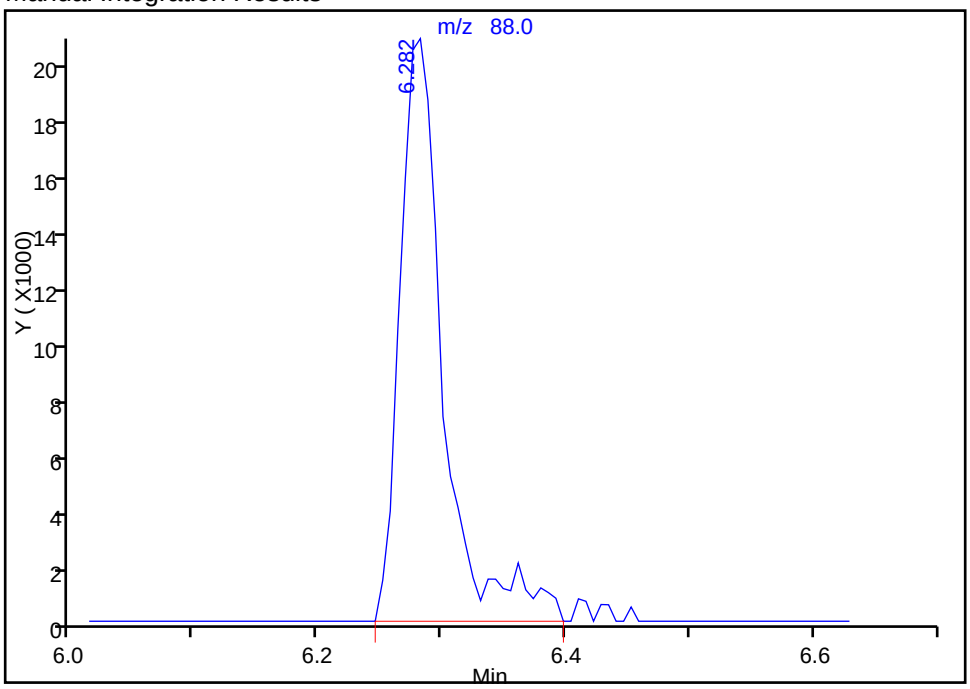
Processing Integration Results

RT: 6.28
Area: 50373
Amount: 588.6736
Amount Units: ug/L



Manual Integration Results

RT: 6.28
Area: 50671
Amount: 584.1997
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 08:42:58
Audit Action: Manually Integrated Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3480.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-May-2016 19:45:30 ALS Bottle#: 53 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0053328-010
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:08 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:33:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	176167	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.558	-0.001	88	568046	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	257164	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	95	205623	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	259796	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	775476	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	209553	25.0	24.5	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	99	405771	50.0	55.4	
13 Chloromethane	50	1.543	1.543	0.000	100	633926	50.0	47.1	
14 Vinyl chloride	62	1.665	1.659	0.006	98	516287	50.0	50.5	
144 Butadiene	54	1.677	1.677	0.000	87	595476	50.0	52.4	
15 Bromomethane	94	1.957	1.951	0.006	91	238720	50.0	48.6	
16 Chloroethane	64	2.066	2.060	0.006	98	293631	50.0	51.5	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	98	627719	50.0	49.2	
18 Trichlorofluoromethane	101	2.291	2.285	0.006	61	487136	50.0	55.1	
19 Ethyl ether	59	2.589	2.590	-0.001	96	501306	50.0	48.6	
20 Acrolein	56	2.748	2.748	0.000	100	535020	250.0	234.1	
22 1,1-Dichloroethene	96	2.802	2.796	0.006	95	369211	50.0	51.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.808	2.809	-0.001	94	328983	50.0	53.1	
23 Acetone	43	2.900	2.900	0.000	100	788955	250.0	218.6	
24 Iodomethane	142	2.954	2.955	-0.001	99	553879	50.0	49.5	
25 Carbon disulfide	76	3.003	2.997	0.006	100	1199426	50.0	50.1	
27 3-Chloro-1-propene	41	3.167	3.168	-0.001	92	826999	50.0	47.4	
28 Methyl acetate	43	3.204	3.204	0.000	99	2181028	250.0	235.3	
30 Methylene Chloride	84	3.301	3.301	0.000	98	422656	50.0	50.0	
31 2-Methyl-2-propanol	59	3.459	3.460	-0.001	100	594827	500.0	474.5	
32 Methyl tert-butyl ether	73	3.532	3.533	-0.001	98	1268639	50.0	47.1	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	97	402002	50.0	51.0	
34 Acrylonitrile	53	3.563	3.563	0.000	99	2286797	500.0	470.1	
35 Hexane	57	3.764	3.758	0.006	91	749929	50.0	51.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	97	811053	50.0	48.7	
39 Vinyl acetate	43	4.007	4.001	0.006	97	2160607	100.0	95.8	
42 2,2-Dichloropropane	77	4.481	4.476	0.005	88	377872	50.0	48.7	
43 cis-1,2-Dichloroethene	96	4.506	4.500	0.006	85	442440	50.0	47.5	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	99	1264007	250.0	230.8	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	204733	50.0	50.4	
49 Tetrahydrofuran	42	4.767	4.768	-0.001	93	367749	100.0	93.1	
50 Chloroform	83	4.810	4.810	0.000	94	683075	50.0	48.7	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	530942	50.0	52.0	
52 Cyclohexane	56	4.968	4.968	0.000	93	853446	50.0	51.6	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	95	517482	50.0	49.6	
53 Carbon tetrachloride	117	5.090	5.090	0.000	96	445199	50.0	51.9	
56 Isobutyl alcohol	43	5.278	5.279	-0.001	96	665844	1250.0	1183.7	
55 Benzene	78	5.297	5.297	0.000	98	1554084	50.0	48.0	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	590094	50.0	46.5	
59 n-Heptane	43	5.497	5.498	-0.001	96	742810	50.0	51.4	
60 Trichloroethene	95	5.905	5.905	0.000	97	387096	50.0	51.0	
62 Methylcyclohexane	83	6.051	6.045	0.006	96	684593	50.0	51.4	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	441394	50.0	49.8	
64 Dibromomethane	93	6.264	6.264	0.000	96	239823	50.0	49.9	
66 1,4-Dioxane	88	6.276	6.282	-0.006	56	76424	1000.0	862.6	
67 Dichlorobromomethane	83	6.416	6.416	0.000	99	508865	50.0	50.4	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	91	288168	50.0	54.3	
71 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	93	645319	50.0	49.4	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	96	1038390	250.0	239.0	
73 Toluene	92	7.140	7.140	0.000	99	964129	50.0	49.0	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	579636	50.0	50.0	
77 Ethyl methacrylate	69	7.462	7.463	-0.001	93	501755	50.0	50.6	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	92	281082	50.0	50.8	
79 Tetrachloroethene	166	7.687	7.688	-0.001	95	357647	50.0	50.3	
80 1,3-Dichloropropane	76	7.754	7.755	-0.001	97	587777	50.0	49.6	
82 2-Hexanone	43	7.821	7.821	0.000	95	1576395	250.0	241.4	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	366042	50.0	52.8	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	345893	50.0	50.5	
85 Chlorobenzene	112	8.588	8.588	0.000	92	980158	50.0	48.7	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	94	348537	50.0	50.4	
88 Ethylbenzene	91	8.685	8.685	0.000	99	1686201	50.0	45.1	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	698469	50.0	51.3	
91 o-Xylene	106	9.239	9.233	0.006	96	691882	50.0	46.1	
92 Styrene	104	9.263	9.263	0.000	95	1115426	50.0	49.4	
93 Bromoform	173	9.494	9.494	0.000	96	214531	50.0	51.7	
95 Isopropylbenzene	105	9.622	9.622	0.000	97	1652977	50.0	50.2	
97 Bromobenzene	156	9.951	9.951	0.000	98	390401	50.0	51.6	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	92	449442	50.0	49.5	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	88	137921	50.0	50.8	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	81	183003	50.0	51.4	
100 N-Propylbenzene	91	10.042	10.042	0.000	98	1950737	50.0	50.1	
102 2-Chlorotoluene	126	10.139	10.139	0.000	96	383931	50.0	50.4	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	94	1391547	50.0	49.2	
105 4-Chlorotoluene	91	10.249	10.249	0.000	99	1387937	50.0	48.1	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	290141	50.0	49.6	
108 1,2,4-Trimethylbenzene	105	10.589	10.583	0.006	98	1418160	50.0	48.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.741	10.742	-0.001	95	1731587	50.0	49.0	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	97	722358	50.0	47.9	
111 4-Isopropyltoluene	119	10.881	10.882	-0.001	96	1439369	50.0	48.8	
113 1,4-Dichlorobenzene	146	10.960	10.955	0.005	93	735249	50.0	48.9	
115 n-Butylbenzene	91	11.265	11.265	0.000	97	1343469	50.0	48.5	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	686685	50.0	47.7	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	78	83298	50.0	47.8	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	95	452051	50.0	46.3	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	96	236387	50.0	47.4	
121 Naphthalene	128	12.919	12.920	-0.001	97	1241685	50.0	47.3	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	408746	50.0	46.8	
S 125 Total BTEX	1				0			239.4	
S 126 Xylenes, Total	1				0			97.4	
S 123 1,3-Dichloropropene, Total	1				0			99.4	
S 124 1,2-Dichloroethene, Total	1				0			98.5	

Reagents:

8260 CORP mix_00074	Amount Added: 25.00	Units: uL		
GAS CORP mix_00155	Amount Added: 25.00	Units: uL		
N_8260_Surr_00185	Amount Added: 1.00	Units: uL	Run Reagent	
N 8260 IS_00023	Amount Added: 1.00	Units: uL	Run Reagent	

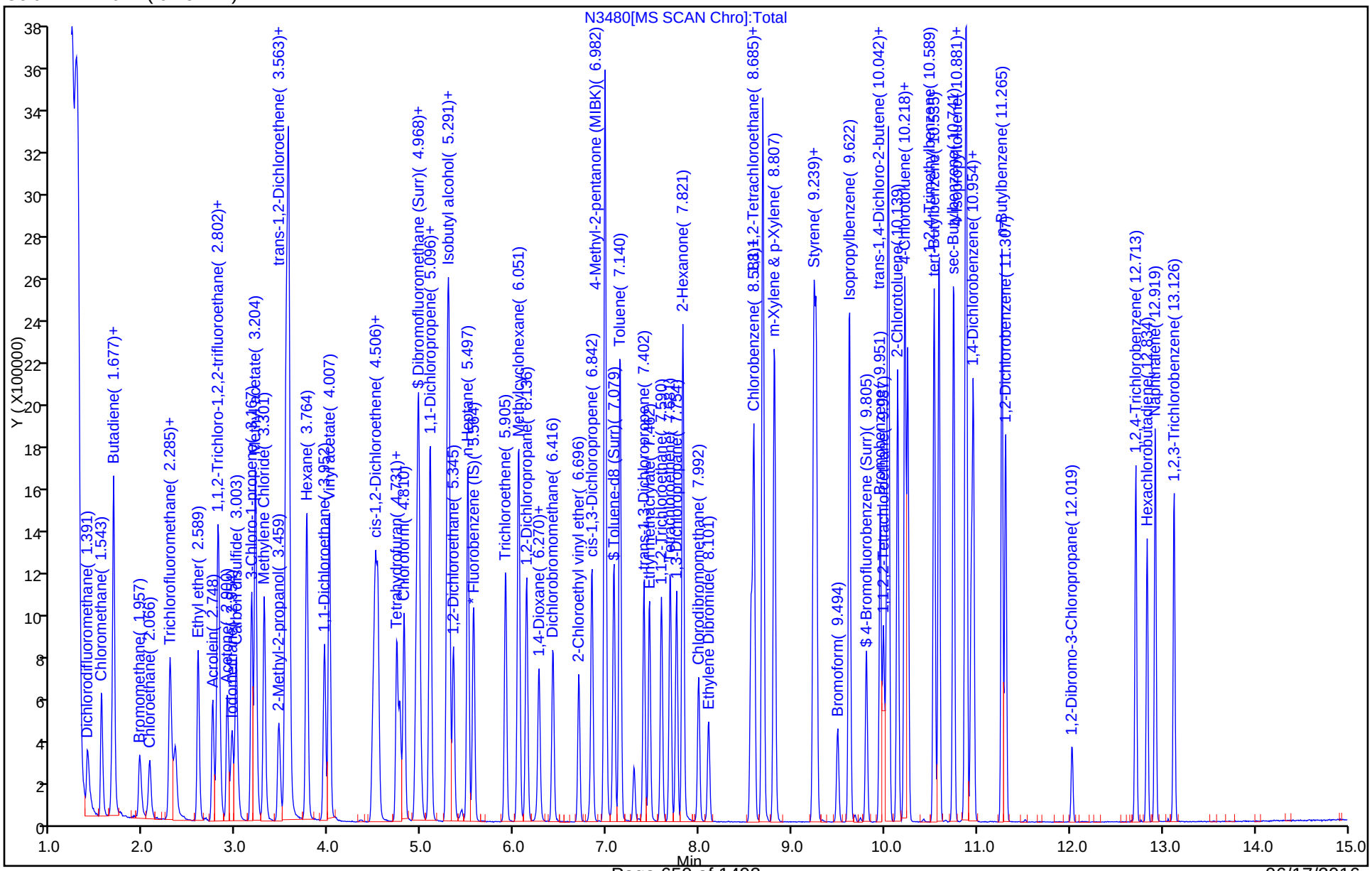
Report Date: 19-May-2016 14:06:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3480.D

Injection Date:	18-May-2016 19:45:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3481.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-May-2016 20:11:30 ALS Bottle#: 54 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0053328-011
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:12 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:34:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	178184	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	91	552575	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	256649	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	65	205155	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	261995	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	761568	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	210163	25.0	25.2	
11 Dichlorodifluoromethane	85	1.397	1.391	0.006	100	750019	100.0	101.2	
13 Chloromethane	50	1.549	1.543	0.006	99	1223744	100.0	90.0	
14 Vinyl chloride	62	1.665	1.659	0.006	98	973791	100.0	94.1	
144 Butadiene	54	1.677	1.677	0.000	89	1060880	100.0	92.4	
15 Bromomethane	94	1.957	1.951	0.006	90	445207	100.0	89.6	
16 Chloroethane	64	2.066	2.060	0.006	99	557781	100.0	96.6	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	99	1210170	100.0	93.9	
18 Trichlorofluoromethane	101	2.291	2.285	0.006	97	958993	100.0	107.3	
19 Ethyl ether	59	2.590	2.590	0.000	95	940692	100.0	90.1	
20 Acrolein	56	2.748	2.748	0.000	100	1046791	500.0	452.9	
22 1,1-Dichloroethene	96	2.802	2.796	0.006	95	658864	100.0	90.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.809	2.809	0.000	94	607206	100.0	96.8	
23 Acetone	43	2.900	2.900	0.000	100	1553245	500.0	425.4	
24 Iodomethane	142	2.955	2.955	0.000	99	1035712	100.0	91.4	
25 Carbon disulfide	76	3.003	2.997	0.006	100	2148952	100.0	88.7	
27 3-Chloro-1-propene	41	3.167	3.168	-0.001	92	1483457	100.0	84.0	
28 Methyl acetate	43	3.210	3.204	0.006	98	3997181	500.0	426.4	
30 Methylene Chloride	84	3.301	3.301	0.000	99	820399	100.0	97.0	
31 2-Methyl-2-propanol	59	3.460	3.460	0.000	100	1230748	1000.0	970.6	
32 Methyl tert-butyl ether	73	3.539	3.533	0.006	98	2449721	100.0	90.0	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	96	741874	100.0	93.1	
34 Acrylonitrile	53	3.569	3.563	0.006	99	4220230	1000.0	857.8	
35 Hexane	57	3.764	3.758	0.006	91	1323033	100.0	89.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	1511951	100.0	89.7	
39 Vinyl acetate	43	4.007	4.001	0.006	97	3874781	200.0	169.9	
42 2,2-Dichloropropane	77	4.475	4.476	-0.001	93	678538	100.0	86.5	
43 cis-1,2-Dichloroethene	96	4.506	4.500	0.006	84	820965	100.0	87.1	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	100	2354053	500.0	424.9	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	383430	100.0	93.4	
49 Tetrahydrofuran	42	4.767	4.768	-0.001	92	716247	200.0	179.3	
50 Chloroform	83	4.816	4.810	0.006	96	1286248	100.0	90.7	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	983893	100.0	95.3	
52 Cyclohexane	56	4.968	4.968	0.000	92	1531660	100.0	91.6	
53 Carbon tetrachloride	117	5.090	5.090	0.000	99	815586	100.0	93.9	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	96	955639	100.0	90.6	
56 Isobutyl alcohol	43	5.278	5.279	-0.001	96	1307441	2500.0	2298.1	
55 Benzene	78	5.297	5.297	0.000	98	2841998	100.0	86.8	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	1128123	100.0	87.9	
59 n-Heptane	43	5.504	5.498	0.006	94	1280152	100.0	87.6	
60 Trichloroethene	95	5.905	5.905	0.000	97	726311	100.0	94.7	
62 Methylcyclohexane	83	6.051	6.045	0.006	96	1244570	100.0	92.3	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	830285	100.0	92.6	
64 Dibromomethane	93	6.264	6.264	0.000	98	452595	100.0	93.1	
66 1,4-Dioxane	88	6.276	6.282	-0.006	98	153632	2000.0	1782.5	
67 Dichlorobromomethane	83	6.416	6.416	0.000	99	980775	100.0	96.1	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	91	533099	100.0	99.4	
71 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	94	1194969	100.0	90.5	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	94	1932971	500.0	457.4	
73 Toluene	92	7.146	7.140	0.006	98	1753928	100.0	91.6	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	1070343	100.0	94.9	
77 Ethyl methacrylate	69	7.463	7.463	-0.001	93	946672	100.0	98.2	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	534694	100.0	99.3	
79 Tetrachloroethene	166	7.688	7.688	0.000	97	655405	100.0	94.8	
80 1,3-Dichloropropane	76	7.755	7.755	-0.001	96	1090622	100.0	94.7	
82 2-Hexanone	43	7.821	7.821	0.000	93	2815896	500.0	443.2	
83 Chlorodibromomethane	129	7.992	7.992	0.000	92	694028	100.0	102.9	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	650040	100.0	97.6	
85 Chlorobenzene	112	8.588	8.588	0.000	91	1782951	100.0	91.0	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	94	659422	100.0	98.1	
88 Ethylbenzene	91	8.685	8.685	0.000	98	2958394	100.0	81.3	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	1268735	100.0	96.7	
91 o-Xylene	106	9.239	9.233	0.006	96	1286100	100.0	88.2	
92 Styrene	104	9.263	9.263	0.000	95	2035288	100.0	92.7	
93 Bromoform	173	9.494	9.494	0.000	96	419086	100.0	103.9	
95 Isopropylbenzene	105	9.622	9.622	0.000	97	2947582	100.0	89.6	
97 Bromobenzene	156	9.957	9.951	0.006	98	730166	100.0	96.6	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	94	853757	100.0	94.3	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	88	262212	100.0	96.7	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	85	329192	100.0	92.7	
100 N-Propylbenzene	91	10.042	10.042	0.000	98	3390354	100.0	87.2	
102 2-Chlorotoluene	126	10.139	10.139	0.000	96	728365	100.0	95.8	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	96	2502978	100.0	88.7	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	2521820	100.0	87.5	
106 tert-Butylbenzene	134	10.535	10.535	0.000	93	547150	100.0	93.8	
108 1,2,4-Trimethylbenzene	105	10.589	10.583	0.006	98	2572158	100.0	87.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.748	10.742	0.006	95	3088027	100.0	87.5	
110 1,3-Dichlorobenzene	146	10.875	10.869	0.006	96	1369429	100.0	90.9	
111 4-Isopropyltoluene	119	10.881	10.882	-0.001	95	2597457	100.0	88.3	
113 1,4-Dichlorobenzene	146	10.961	10.955	0.006	94	1380949	100.0	92.1	
115 n-Butylbenzene	91	11.265	11.265	0.000	96	2462824	100.0	89.1	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	1328968	100.0	92.5	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.019	0.006	81	176017	100.0	101.1	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	94	899990	100.0	92.3	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	97	464150	100.0	93.3	
121 Naphthalene	128	12.919	12.920	-0.001	98	2467595	100.0	94.2	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	844883	100.0	96.9	
S 125 Total BTEX	1				0			444.5	
S 126 Xylenes, Total	1				0			184.9	
S 123 1,3-Dichloropropene, Total	1				0			185.4	
S 124 1,2-Dichloroethene, Total	1				0			180.2	

Reagents:

8260 CORP mix_00074	Amount Added: 50.00	Units: uL	
GAS CORP mix_00155	Amount Added: 50.00	Units: uL	
N_8260_Surr_00185	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added: 1.00	Units: uL	Run Reagent

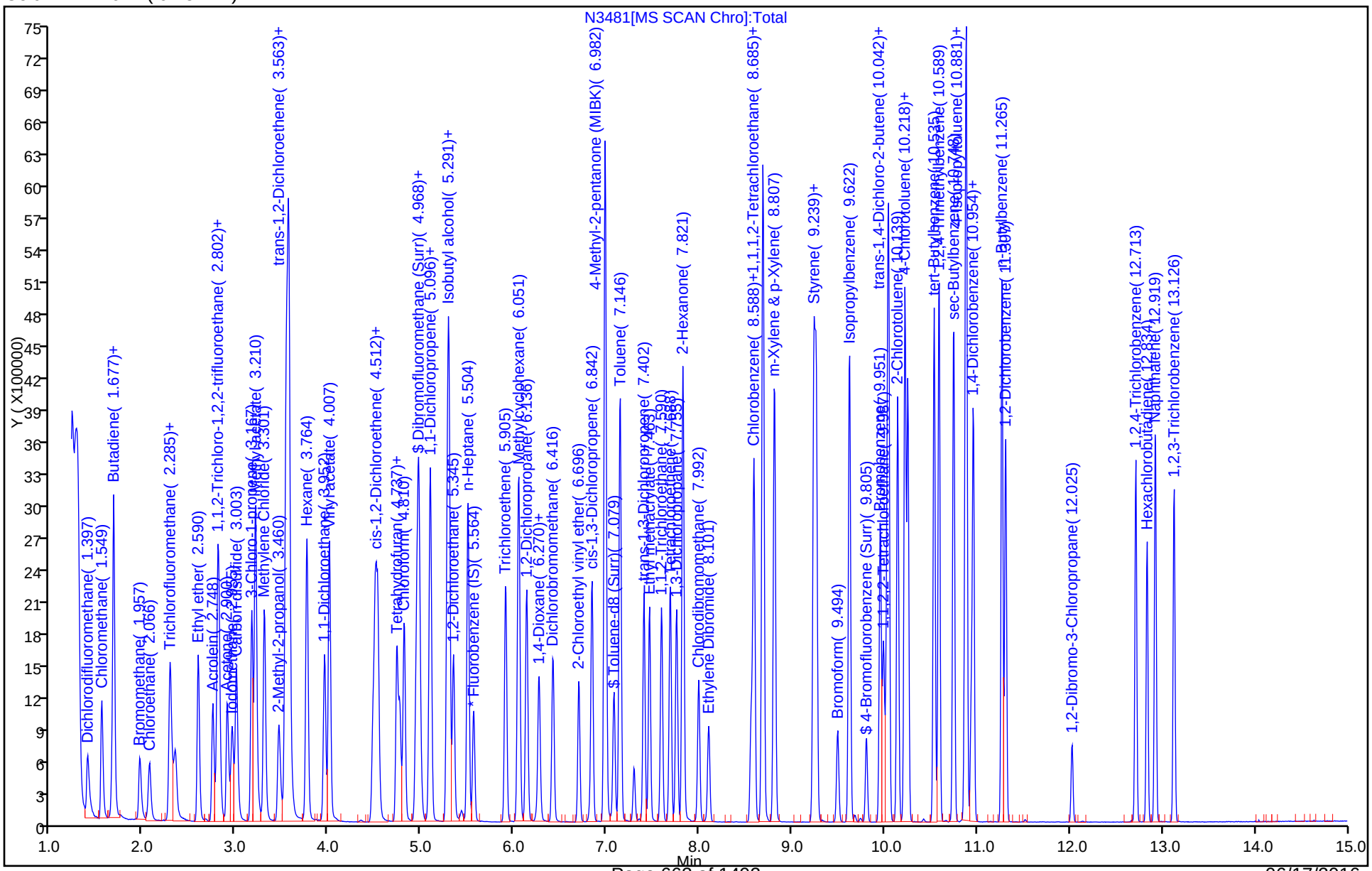
Report Date: 19-May-2016 14:06:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3481.D

Injection Date:	18-May-2016 20:11:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	54
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306490/3 Calibration Date: 06/13/2016 22:44

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7175.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.564	1.971	0.1000	63.0	50.0	26.0	50.0
Chloromethane	Ave	1.046	0.9502	0.1000	45.4	50.0	-9.1	20.0
Vinyl chloride	Ave	1.070	0.9835	0.1000	45.9	50.0	-8.1	20.0
Butadiene	Ave	0.9737	0.8846		45.4	50.0	-9.2	20.0
Bromomethane	Ave	0.8114	0.7586	0.1000	46.7	50.0	-6.5	50.0
Chloroethane	Ave	0.6033	0.5553	0.1000	46.0	50.0	-8.0	50.0
Dichlorofluoromethane	Ave	1.866	1.874		50.2	50.0	0.4	20.0
Trichlorofluoromethane	Ave	2.013	2.272	0.1000	56.4	50.0	12.9	20.0
Ethyl ether	Ave	0.8690	0.7897		45.4	50.0	-9.1	20.0
Acrolein	Ave	0.2116	0.2038		241	250	-3.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.277	1.314	0.1000	51.4	50.0	2.9	20.0
1,1-Dichloroethene	Ave	1.235	1.217	0.1000	49.3	50.0	-1.4	20.0
Acetone	Lin1		0.4863	0.1000	299	250	19.7	50.0
Iodomethane	Ave	2.300	2.326		50.6	50.0	1.1	20.0
Carbon disulfide	Ave	4.496	4.471	0.1000	49.7	50.0	-0.6	20.0
Methyl acetate	Ave	0.8326	0.8864	0.1000	266	250	6.5	50.0
Allyl chloride	Ave	1.863	1.854		49.8	50.0	-0.5	20.0
Methylene Chloride	Lin1		1.487	0.1000	50.0	50.0	-0.0	20.0
2-Methyl-2-propanol	Ave	0.1444	0.1552		537	500	7.4	50.0
Methyl tert-butyl ether	Ave	4.434	4.725	0.1000	53.3	50.0	6.6	20.0
trans-1,2-Dichloroethene	Ave	1.423	1.422	0.1000	50.0	50.0	-0.0	20.0
Acrylonitrile	Ave	0.4186	0.4163		497	500	-0.6	20.0
Hexane	Lin1		2.078		52.1	50.0	4.3	20.0
Vinyl acetate	Ave	2.443	2.597		106	100	6.3	20.0
1,1-Dichloroethane	Ave	2.417	2.425	0.2000	50.2	50.0	0.3	20.0
2,2-Dichloropropane	Ave	2.349	2.617		55.7	50.0	11.4	20.0
2-Butanone (MEK)	Ave	0.5496	0.6212	0.1000	283	250	13.0	20.0
cis-1,2-Dichloroethene	Ave	1.552	1.546	0.1000	49.8	50.0	-0.4	20.0
Chlorobromomethane	Ave	0.6985	0.7200		51.5	50.0	3.1	20.0
Tetrahydrofuran	Ave	0.3571	0.3749		105	100	5.0	20.0
Chloroform	Ave	2.637	2.799	0.2000	53.1	50.0	6.1	20.0
1,1,1-Trichloroethane	Ave	2.325	2.604	0.1000	56.0	50.0	12.0	20.0
Cyclohexane	Ave	2.232	2.142	0.1000	48.0	50.0	-4.0	20.0
1,1-Dichloropropene	Ave	2.081	2.188		52.6	50.0	5.1	20.0
Carbon tetrachloride	Ave	1.983	2.255	0.1000	56.9	50.0	13.8	20.0
Isobutyl alcohol	Ave	0.0519	0.0525		1270	1250	1.3	50.0
Benzene	Ave	5.571	5.594	0.5000	50.2	50.0	0.4	20.0
1,2-Dichloroethane	Ave	2.032	2.270	0.1000	55.9	50.0	11.7	20.0
n-Heptane	Ave	2.054	1.925		46.9	50.0	-6.3	20.0
Trichloroethene	Ave	1.487	1.569	0.2000	52.7	50.0	5.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306490/3 Calibration Date: 06/13/2016 22:44

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7175.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.615	2.650	0.1000	50.7	50.0	1.3	20.0
1,2-Dichloropropane	Ave	1.250	1.229	0.1000	49.2	50.0	-1.7	20.0
1,4-Dioxane	Ave	0.0044	0.0053		1200	1000	19.9	50.0
Dibromomethane	Ave	0.8590	0.9216	0.1000	53.6	50.0	7.3	20.0
Bromodichloromethane	Ave	1.928	2.087	0.2000	54.1	50.0	8.2	20.0
2-Chloroethyl vinyl ether	Ave	0.6872	0.7007		51.0	50.0	2.0	20.0
cis-1,3-Dichloropropene	Ave	2.388	2.456	0.2000	51.4	50.0	2.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5465	0.5596	0.1000	256	250	2.4	20.0
Toluene	Ave	1.733	1.673	0.4000	48.3	50.0	-3.5	20.0
Ethyl methacrylate	Ave	0.8622	0.8741		50.7	50.0	1.4	20.0
trans-1,3-Dichloropropene	Ave	1.057	1.086	0.1000	51.4	50.0	2.8	20.0
1,1,2-Trichloroethane	Ave	0.4927	0.4833	0.1000	49.1	50.0	-1.9	20.0
Tetrachloroethene	Ave	0.7507	0.7428	0.2000	49.5	50.0	-1.1	20.0
1,3-Dichloropropane	Ave	1.038	1.030		49.6	50.0	-0.8	20.0
2-Hexanone	Ave	0.4135	0.4268	0.1000	258	250	3.2	20.0
Dibromochloromethane	Ave	0.6424	0.6761	0.1000	52.6	50.0	5.2	20.0
1,2-Dibromoethane	Ave	0.6015	0.6118		50.9	50.0	1.7	20.0
Chlorobenzene	Ave	1.842	1.773	0.5000	48.1	50.0	-3.8	20.0
Ethylbenzene	Ave	3.237	3.181	0.1000	49.1	50.0	-1.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6632	0.6852		51.7	50.0	3.3	20.0
m,p-Xylene	Ave	1.260	1.209	0.1000	47.9	50.0	-4.1	20.0
o-Xylene	Ave	1.219	1.170	0.3000	48.0	50.0	-4.0	20.0
Styrene	Ave	2.078	1.968	0.3000	47.4	50.0	-5.3	20.0
Bromoform	Ave	0.3962	0.4087	0.1000	51.6	50.0	3.2	50.0
Isopropylbenzene	Ave	3.461	3.540	0.1000	51.1	50.0	2.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.8752	0.3000	52.0	50.0	3.9	20.0
Bromobenzene	Ave	0.9158	0.9069		49.5	50.0	-1.0	20.0
N-Propylbenzene	Ave	4.126	4.181		50.7	50.0	1.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2823	0.3151		55.8	50.0	11.6	50.0
1,2,3-Trichloropropane	Ave	0.2704	0.2892		53.5	50.0	7.0	20.0
2-Chlorotoluene	Ave	0.8109	0.7846		48.4	50.0	-3.2	20.0
1,3,5-Trimethylbenzene	Ave	2.992	3.062		51.2	50.0	2.3	20.0
4-Chlorotoluene	Ave	0.8467	0.8517		50.3	50.0	0.6	20.0
tert-Butylbenzene	Ave	0.6676	0.6791		50.9	50.0	1.7	20.0
1,2,4-Trimethylbenzene	Ave	3.030	3.126		51.6	50.0	3.2	20.0
sec-Butylbenzene	Ave	3.698	3.760		50.8	50.0	1.7	20.0
4-Isopropyltoluene	Ave	3.181	3.257		51.2	50.0	2.4	20.0
1,3-Dichlorobenzene	Ave	1.742	1.756	0.6000	50.4	50.0	0.8	20.0
1,4-Dichlorobenzene	Ave	1.774	1.803	0.5000	50.8	50.0	1.6	20.0
n-Butylbenzene	Ave	2.918	3.027		51.9	50.0	3.7	20.0
1,2-Dichlorobenzene	Ave	1.627	1.631	0.4000	50.1	50.0	0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306490/3 Calibration Date: 06/13/2016 22:44

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7175.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1657	0.1877	0.0500	56.6	50.0	13.3	50.0
1,2,4-Trichlorobenzene	Ave	1.082	1.085	0.2000	50.1	50.0	0.3	20.0
Hexachlorobutadiene	Ave	0.6408	0.6652		51.9	50.0	3.8	20.0
Naphthalene	Ave	2.520	2.564		50.9	50.0	1.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9920	0.9912		50.0	50.0	-0.0	20.0
Dibromofluoromethane (Surr)	Ave	1.145	1.188		51.8	50.0	3.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7222	0.7685		53.2	50.0	6.4	20.0
Toluene-d8 (Surr)	Ave	2.162	2.038		47.1	50.0	-5.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6957	0.6842		49.2	50.0	-1.7	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7175.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Jun-2016 22:44:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054007-003
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 23:40:47 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 23:40:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	193355	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	412783	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	359971	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.756	4.756	0.000	92	229665	50.0	51.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	148597	50.0	53.2	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	841264	50.0	47.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	282409	50.0	49.2	
10 Dichlorodifluoromethane	85	1.848	1.848	0.000	99	381037	50.0	63.0	
12 Chloromethane	50	2.012	2.012	0.000	99	183730	50.0	45.4	
13 Vinyl chloride	62	2.115	2.115	0.000	98	190162	50.0	45.9	
151 Butadiene	54	2.121	2.121	0.000	96	171038	50.0	45.4	
14 Bromomethane	94	2.395	2.395	0.000	93	146681	50.0	46.7	
15 Chloroethane	64	2.462	2.462	0.000	98	107371	50.0	46.0	
16 Dichlorofluoromethane	67	2.620	2.620	0.000	97	362292	50.0	50.2	
17 Trichlorofluoromethane	101	2.645	2.645	0.000	99	439329	50.0	56.4	
18 Ethyl ether	59	2.833	2.833	0.000	89	152685	50.0	45.4	
20 Acrolein	56	2.991	2.991	0.000	99	197031	250.0	240.8	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.022	0.000	93	253977	50.0	51.4	
22 1,1-Dichloroethene	96	3.046	3.046	0.000	98	235276	50.0	49.3	
23 Acetone	43	3.101	3.101	0.000	99	470146	250.0	299.3	
25 Iodomethane	142	3.198	3.198	0.000	98	449790	50.0	50.6	
26 Carbon disulfide	76	3.253	3.253	0.000	99	864426	50.0	49.7	
27 Methyl acetate	43	3.314	3.314	0.000	95	856974	250.0	266.2	
28 3-Chloro-1-propene	41	3.320	3.320	0.000	89	358521	50.0	49.8	
30 Methylene Chloride	84	3.429	3.429	0.000	87	287446	50.0	50.0	
31 2-Methyl-2-propanol	59	3.478	3.478	0.000	100	299999	500.0	537.1	
32 Methyl tert-butyl ether	73	3.569	3.569	0.000	93	913611	50.0	53.3	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	98	275042	50.0	50.0	
33 Acrylonitrile	53	3.624	3.624	0.000	97	804891	500.0	497.2	
35 Hexane	57	3.746	3.746	0.000	93	401701	50.0	52.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.922	0.000	97	1004296	100.0	106.3	
39 1,1-Dichloroethane	63	3.934	3.934	0.000	97	468837	50.0	50.2	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	76	506009	50.0	55.7	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	600576	250.0	282.6	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	84	298900	50.0	49.8	
48 Chlorobromomethane	128	4.591	4.591	0.000	91	139209	50.0	51.5	
49 Tetrahydrofuran	42	4.610	4.610	0.000	79	144989	100.0	105.0	
50 Chloroform	83	4.622	4.622	0.000	94	541232	50.0	53.1	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	503435	50.0	56.0	
52 Cyclohexane	56	4.792	4.792	0.000	87	414218	50.0	48.0	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	96	422971	50.0	52.6	
55 Carbon tetrachloride	117	4.889	4.889	0.000	97	436098	50.0	56.9	
53 Isobutyl alcohol	43	4.944	4.944	0.000	92	253870	1250.0	1265.8	
57 Benzene	78	5.066	5.066	0.000	96	1081676	50.0	50.2	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	438934	50.0	55.9	
59 n-Heptane	43	5.163	5.163	0.000	86	372224	50.0	46.9	
62 Trichloroethene	95	5.583	5.583	0.000	97	303404	50.0	52.7	
64 Methylcyclohexane	83	5.723	5.723	0.000	87	512305	50.0	50.7	
65 1,2-Dichloropropane	63	5.802	5.802	0.000	89	237683	50.0	49.2	
66 1,4-Dioxane	88	5.905	5.905	0.000	85	43601	1000.0	1199.2	M
67 Dibromomethane	93	5.930	5.930	0.000	96	178204	50.0	53.6	
68 Dichlorobromomethane	83	6.039	6.039	0.000	99	403456	50.0	54.1	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	135484	50.0	51.0	
72 cis-1,3-Dichloropropene	75	6.416	6.416	0.000	95	474895	50.0	51.4	
73 4-Methyl-2-pentanone (MIBK	43	6.520	6.520	0.000	94	1154984	250.0	256.0	
74 Toluene	92	6.714	6.714	0.000	98	690730	50.0	48.3	
77 trans-1,3-Dichloropropene	75	6.933	6.933	0.000	96	448270	50.0	51.4	
75 Ethyl methacrylate	69	6.933	6.933	0.000	86	360828	50.0	50.7	
79 1,1,2-Trichloroethane	83	7.134	7.134	0.000	94	199513	50.0	49.1	
81 Tetrachloroethene	166	7.232	7.232	0.000	96	306600	50.0	49.5	
82 1,3-Dichloropropane	76	7.292	7.292	0.000	97	425038	50.0	49.6	
80 2-Hexanone	43	7.311	7.311	0.000	93	880821	250.0	258.0	
83 Chlorodibromomethane	129	7.536	7.536	0.000	89	279078	50.0	52.6	
84 Ethylene Dibromide	107	7.664	7.664	0.000	98	252558	50.0	50.9	
87 Chlorobenzene	112	8.114	8.114	0.000	92	731656	50.0	48.1	
88 Ethylbenzene	91	8.181	8.181	0.000	98	1312881	50.0	49.1	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	92	282854	50.0	51.7	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	498928	50.0	47.9	
91 o-Xylene	106	8.728	8.728	0.000	96	482982	50.0	48.0	
92 Styrene	104	8.746	8.746	0.000	92	812388	50.0	47.4	
95 Bromoform	173	9.020	9.020	0.000	96	168712	50.0	51.6	
94 Isopropylbenzene	105	9.093	9.093	0.000	97	1274137	50.0	51.1	
101 Bromobenzene	156	9.483	9.483	0.000	94	326445	50.0	49.5	
97 1,1,2,2-Tetrachloroethane	83	9.483	9.483	0.000	75	315043	50.0	52.0	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	62	113416	50.0	55.8	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	1504932	50.0	50.7	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	83	104110	50.0	53.5	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	282437	50.0	48.4	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1102319	50.0	51.2	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	306570	50.0	50.3	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	244464	50.0	50.9	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	1125359	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1353607	50.0	50.8	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	95	1172400	50.0	51.2	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	631936	50.0	50.4	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	648901	50.0	50.8	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	1089474	50.0	51.9	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	587118	50.0	50.1	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	88	67579	50.0	56.6	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	94	390661	50.0	50.1	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	239452	50.0	51.9	
121 Naphthalene	128	12.354	12.354	0.000	97	923038	50.0	50.9	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	356802	50.0	50.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00075	Amount Added:	25.00	Units: uL	
GAS CORP mix_00160	Amount Added:	25.00	Units: uL	
F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

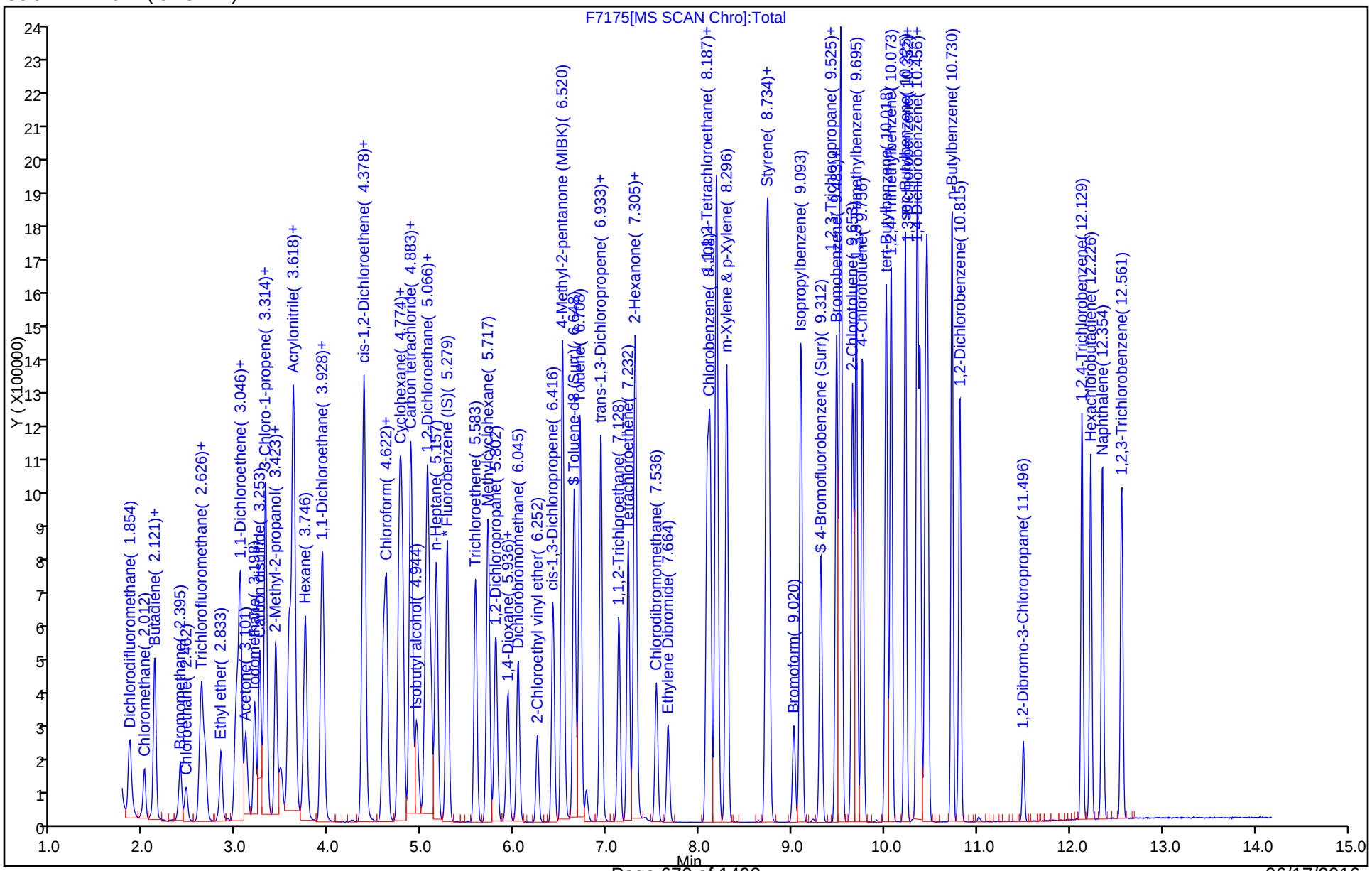
Report Date: 13-Jun-2016 23:40:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7175.D

Injection Date:	13-Jun-2016 22:44:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

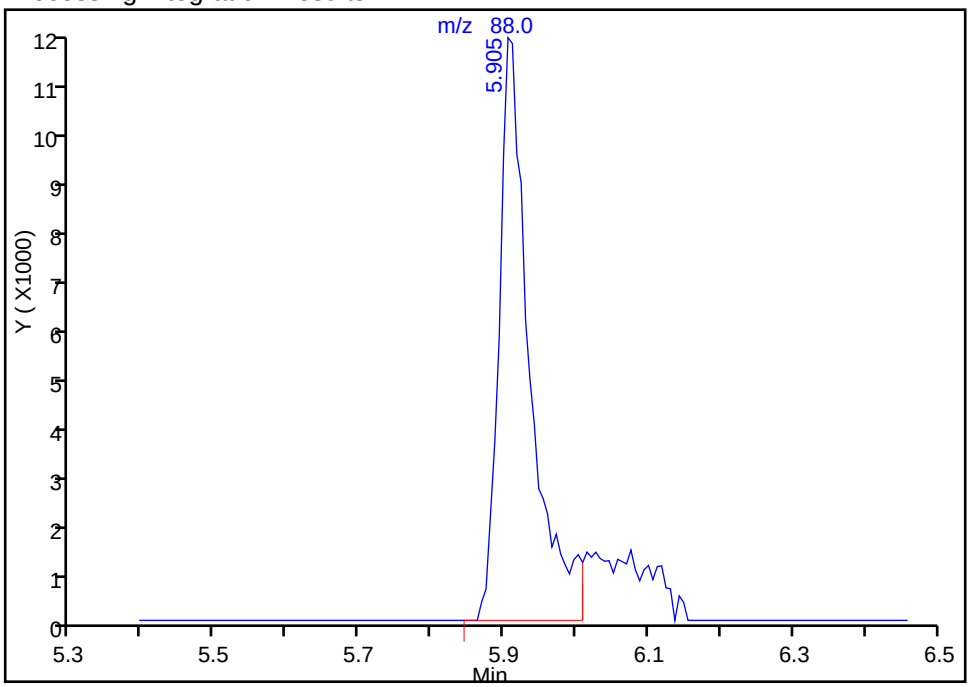
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7175.D
Injection Date: 13-Jun-2016 22:44:30 Instrument ID: HP5973F
Lims ID: CCVIS
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

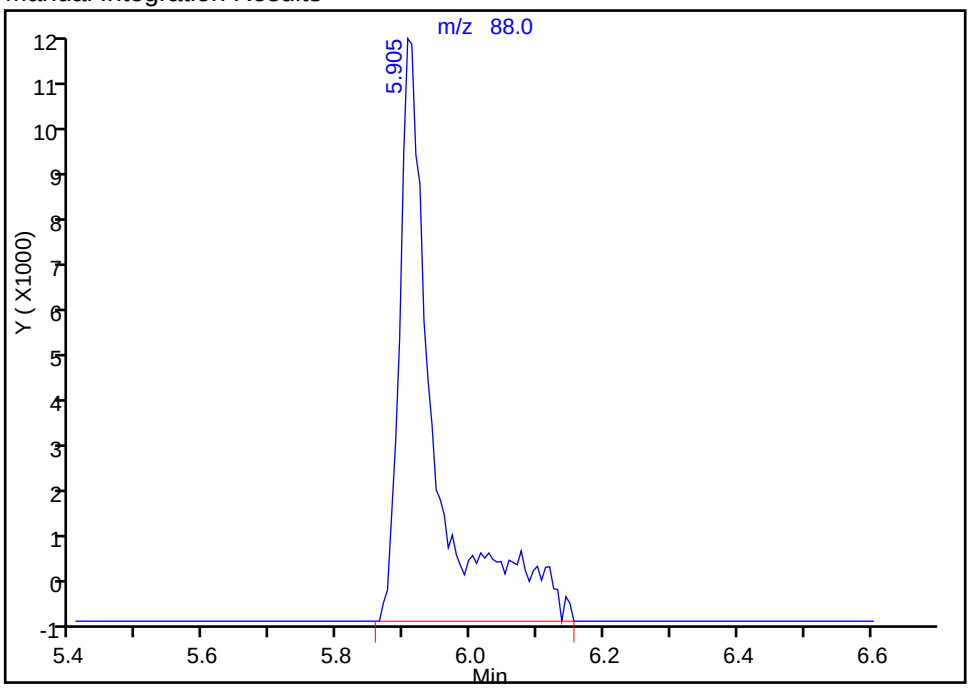
Processing Integration Results

RT: 5.91
Area: 35241
Amount: 969.2387
Amount Units: ug/kg



Manual Integration Results

RT: 5.91
Area: 43601
Amount: 1199.1651
Amount Units: ug/kg



Reviewer: diasn, 13-Jun-2016 23:40:47
Audit Action: Manually Integrated Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306570/2 Calibration Date: 06/14/2016 10:04

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7200.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.564	1.924	0.1000	61.5	50.0	23.1	50.0
Chloromethane	Ave	1.046	0.9605	0.1000	45.9	50.0	-8.2	20.0
Vinyl chloride	Ave	1.070	1.029	0.1000	48.0	50.0	-3.9	20.0
Butadiene	Ave	0.9737	0.9262		47.6	50.0	-4.9	20.0
Bromomethane	Ave	0.8114	0.7995	0.1000	49.3	50.0	-1.5	50.0
Chloroethane	Ave	0.6033	0.5955	0.1000	49.4	50.0	-1.3	50.0
Dichlorofluoromethane	Ave	1.866	1.997		53.5	50.0	7.0	20.0
Trichlorofluoromethane	Ave	2.013	2.382	0.1000	59.2	50.0	18.4	20.0
Ethyl ether	Ave	0.8690	0.8320		47.9	50.0	-4.3	20.0
Acrolein	Ave	0.2116	0.2192		259	250	3.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.277	1.437	0.1000	56.3	50.0	12.6	20.0
1,1-Dichloroethene	Ave	1.235	1.347	0.1000	54.6	50.0	9.1	20.0
Acetone	Lin1		0.5157	0.1000	318	250	27.1	50.0
Iodomethane	Ave	2.300	2.406		52.3	50.0	4.6	20.0
Carbon disulfide	Ave	4.496	4.539	0.1000	50.5	50.0	1.0	20.0
Methyl acetate	Ave	0.8326	0.8652	0.1000	260	250	3.9	50.0
Allyl chloride	Ave	1.863	1.870		50.2	50.0	0.3	20.0
Methylene Chloride	Lin1		1.522	0.1000	51.3	50.0	2.5	20.0
2-Methyl-2-propanol	Ave	0.1444	0.1820		630	500	26.0	50.0
Methyl tert-butyl ether	Ave	4.434	4.780	0.1000	53.9	50.0	7.8	20.0
trans-1,2-Dichloroethene	Ave	1.423	1.453	0.1000	51.1	50.0	2.1	20.0
Acrylonitrile	Ave	0.4186	0.4110		491	500	-1.8	20.0
Hexane	Lin1		2.072		52.0	50.0	4.0	20.0
Vinyl acetate	Ave	2.443	2.557		105	100	4.7	20.0
1,1-Dichloroethane	Ave	2.417	2.466	0.2000	51.0	50.0	2.0	20.0
2,2-Dichloropropane	Ave	2.349	2.666		56.8	50.0	13.5	20.0
2-Butanone (MEK)	Ave	0.5496	0.6001	0.1000	273	250	9.2	20.0
cis-1,2-Dichloroethene	Ave	1.552	1.577	0.1000	50.8	50.0	1.6	20.0
Chlorobromomethane	Ave	0.6985	0.7281		52.1	50.0	4.2	20.0
Tetrahydrofuran	Ave	0.3571	0.3686		103	100	3.2	20.0
Chloroform	Ave	2.637	2.855	0.2000	54.1	50.0	8.3	20.0
1,1,1-Trichloroethane	Ave	2.325	2.720	0.1000	58.5	50.0	17.0	20.0
Cyclohexane	Ave	2.232	2.206	0.1000	49.4	50.0	-1.2	20.0
1,1-Dichloropropene	Ave	2.081	2.259		54.3	50.0	8.6	20.0
Carbon tetrachloride	Ave	1.983	2.319	0.1000	58.5	50.0	17.0	20.0
Isobutyl alcohol	Ave	0.0519	0.0599		1440	1250	15.5	50.0
Benzene	Ave	5.571	5.719	0.5000	51.3	50.0	2.7	20.0
1,2-Dichloroethane	Ave	2.032	2.294	0.1000	56.4	50.0	12.9	20.0
n-Heptane	Ave	2.054	1.984		48.3	50.0	-3.5	20.0
Trichloroethene	Ave	1.487	1.590	0.2000	53.4	50.0	6.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306570/2 Calibration Date: 06/14/2016 10:04

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7200.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.615	2.700	0.1000	51.6	50.0	3.2	20.0
1,2-Dichloropropane	Ave	1.250	1.225	0.1000	49.0	50.0	-2.0	20.0
1,4-Dioxane	Ave	0.0044	0.0054		1220	1000	22.3	50.0
Dibromomethane	Ave	0.8590	0.9073	0.1000	52.8	50.0	5.6	20.0
Bromodichloromethane	Ave	1.928	2.135	0.2000	55.4	50.0	10.8	20.0
2-Chloroethyl vinyl ether	Ave	0.6872	0.6834		49.7	50.0	-0.6	20.0
cis-1,3-Dichloropropene	Ave	2.388	2.415	0.2000	50.6	50.0	1.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5465	0.5450	0.1000	249	250	-0.3	20.0
Toluene	Ave	1.733	1.711	0.4000	49.4	50.0	-1.3	20.0
trans-1,3-Dichloropropene	Ave	1.057	1.077	0.1000	51.0	50.0	1.9	20.0
Ethyl methacrylate	Ave	0.8622	0.8470		49.1	50.0	-1.8	20.0
1,1,2-Trichloroethane	Ave	0.4927	0.4757	0.1000	48.3	50.0	-3.4	20.0
Tetrachloroethene	Ave	0.7507	0.7712	0.2000	51.4	50.0	2.7	20.0
1,3-Dichloropropane	Ave	1.038	1.018		49.0	50.0	-1.9	20.0
2-Hexanone	Ave	0.4135	0.4174	0.1000	252	250	0.9	20.0
Dibromochloromethane	Ave	0.6424	0.6798	0.1000	52.9	50.0	5.8	20.0
1,2-Dibromoethane	Ave	0.6015	0.5997		49.9	50.0	-0.3	20.0
Chlorobenzene	Ave	1.842	1.791	0.5000	48.6	50.0	-2.8	20.0
Ethylbenzene	Ave	3.237	3.250	0.1000	50.2	50.0	0.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6632	0.7008		52.8	50.0	5.7	20.0
m,p-Xylene	Ave	1.260	1.248	0.1000	49.5	50.0	-1.0	20.0
o-Xylene	Ave	1.219	1.185	0.3000	48.6	50.0	-2.8	20.0
Styrene	Ave	2.078	1.995	0.3000	48.0	50.0	-4.0	20.0
Bromoform	Ave	0.3962	0.4117	0.1000	52.0	50.0	3.9	50.0
Isopropylbenzene	Ave	3.461	3.567	0.1000	51.5	50.0	3.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.8465	0.3000	50.3	50.0	0.5	20.0
Bromobenzene	Ave	0.9158	0.9222		50.3	50.0	0.7	20.0
N-Propylbenzene	Ave	4.126	4.208		51.0	50.0	2.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2823	0.3068		54.3	50.0	8.7	50.0
1,2,3-Trichloropropane	Ave	0.2704	0.2819		52.1	50.0	4.3	20.0
2-Chlorotoluene	Ave	0.8109	0.8082		49.8	50.0	-0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.992	3.107		51.9	50.0	3.8	20.0
4-Chlorotoluene	Ave	0.8467	0.8592		50.7	50.0	1.5	20.0
tert-Butylbenzene	Ave	0.6676	0.6860		51.4	50.0	2.8	20.0
1,2,4-Trimethylbenzene	Ave	3.030	3.167		52.3	50.0	4.5	20.0
sec-Butylbenzene	Ave	3.698	3.836		51.9	50.0	3.7	20.0
4-Isopropyltoluene	Ave	3.181	3.304		51.9	50.0	3.9	20.0
1,3-Dichlorobenzene	Ave	1.742	1.788	0.6000	51.3	50.0	2.6	20.0
1,4-Dichlorobenzene	Ave	1.774	1.796	0.5000	50.6	50.0	1.2	20.0
n-Butylbenzene	Ave	2.918	3.100		53.1	50.0	6.2	20.0
1,2-Dichlorobenzene	Ave	1.627	1.647	0.4000	50.6	50.0	1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306570/2 Calibration Date: 06/14/2016 10:04

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7200.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1657	0.1818	0.0500	54.9	50.0	9.7	50.0
1,2,4-Trichlorobenzene	Ave	1.082	1.100	0.2000	50.8	50.0	1.6	20.0
Hexachlorobutadiene	Ave	0.6408	0.6871		53.6	50.0	7.2	20.0
Naphthalene	Ave	2.520	2.526		50.1	50.0	0.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9920	1.018		51.3	50.0	2.6	20.0
Dibromofluoromethane (Surr)	Ave	1.145	1.175		51.3	50.0	2.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7222	0.7493		51.9	50.0	3.8	20.0
Toluene-d8 (Surr)	Ave	2.162	2.057		47.6	50.0	-4.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6957	0.6999		50.3	50.0	0.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7200.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Jun-2016 10:04:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054020-002
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:35:33 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:35:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	188400	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	402320	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	357126	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.755	0.000	92	221417	50.0	51.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	141168	50.0	51.9	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	827628	50.0	47.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	281586	50.0	50.3	
10 Dichlorodifluoromethane	85	1.847	1.847	0.000	99	362552	50.0	61.5	
12 Chloromethane	50	2.006	2.006	0.000	98	180952	50.0	45.9	
13 Vinyl chloride	62	2.115	2.115	0.000	99	193780	50.0	48.0	
151 Butadiene	54	2.121	2.121	0.000	95	174489	50.0	47.6	
14 Bromomethane	94	2.395	2.395	0.000	94	150629	50.0	49.3	
15 Chloroethane	64	2.462	2.462	0.000	98	112190	50.0	49.4	
16 Dichlorofluoromethane	67	2.614	2.614	0.000	96	376239	50.0	53.5	
17 Trichlorofluoromethane	101	2.644	2.644	0.000	99	448857	50.0	59.2	
18 Ethyl ether	59	2.833	2.833	0.000	88	156740	50.0	47.9	
20 Acrolein	56	2.991	2.991	0.000	98	206484	250.0	259.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.022	0.000	94	270713	50.0	56.3	
22 1,1-Dichloroethene	96	3.046	3.046	0.000	98	253829	50.0	54.6	
23 Acetone	43	3.101	3.101	0.000	98	485803	250.0	317.7	
25 Iodomethane	142	3.198	3.198	0.000	99	453202	50.0	52.3	
26 Carbon disulfide	76	3.253	3.253	0.000	99	855182	50.0	50.5	
27 Methyl acetate	43	3.314	3.314	0.000	97	815000	250.0	259.8	
28 3-Chloro-1-propene	41	3.320	3.320	0.000	85	352213	50.0	50.2	
30 Methylene Chloride	84	3.429	3.429	0.000	87	286668	50.0	51.3	
31 2-Methyl-2-propanol	59	3.478	3.478	0.000	99	342827	500.0	629.9	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	900528	50.0	53.9	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	99	273739	50.0	51.1	
33 Acrylonitrile	53	3.624	3.624	0.000	97	774290	500.0	490.9	
35 Hexane	57	3.745	3.745	0.000	93	390340	50.0	52.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.922	0.000	97	963537	100.0	104.7	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	97	464540	50.0	51.0	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	98	565304	250.0	273.0	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	84	502345	50.0	56.8	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	84	297044	50.0	50.8	
48 Chlorobromomethane	128	4.585	4.585	0.000	91	137177	50.0	52.1	
49 Tetrahydrofuran	42	4.609	4.609	0.000	80	138905	100.0	103.2	
50 Chloroform	83	4.622	4.622	0.000	94	537918	50.0	54.1	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	512460	50.0	58.5	
52 Cyclohexane	56	4.792	4.792	0.000	87	415554	50.0	49.4	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	425526	50.0	54.3	
55 Carbon tetrachloride	117	4.895	4.895	0.000	98	436957	50.0	58.5	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	282043	1250.0	1443.3	
57 Benzene	78	5.066	5.066	0.000	96	1077471	50.0	51.3	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	432170	50.0	56.4	
59 n-Heptane	43	5.163	5.163	0.000	85	373699	50.0	48.3	
62 Trichloroethene	95	5.583	5.583	0.000	97	299465	50.0	53.4	
64 Methylcyclohexane	83	5.717	5.717	0.000	88	508764	50.0	51.6	
65 1,2-Dichloropropane	63	5.802	5.802	0.000	88	230828	50.0	49.0	
66 1,4-Dioxane	88	5.923	5.923	0.000	31	43331	1000.0	1222.7	
67 Dibromomethane	93	5.929	5.929	0.000	96	170940	50.0	52.8	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	402280	50.0	55.4	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	96	128749	50.0	49.7	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	454946	50.0	50.6	
73 4-Methyl-2-pentanone (MIBK	43	6.520	6.520	0.000	94	1096278	250.0	249.3	
74 Toluene	92	6.714	6.714	0.000	99	688524	50.0	49.4	
77 trans-1,3-Dichloropropene	75	6.933	6.933	0.000	96	433306	50.0	51.0	
75 Ethyl methacrylate	69	6.939	6.939	0.000	72	340777	50.0	49.1	
79 1,1,2-Trichloroethane	83	7.128	7.128	0.000	94	191399	50.0	48.3	
81 Tetrachloroethene	166	7.231	7.231	0.000	95	310276	50.0	51.4	
82 1,3-Dichloropropane	76	7.292	7.292	0.000	97	409437	50.0	49.0	
80 2-Hexanone	43	7.310	7.310	0.000	95	839676	250.0	252.4	
83 Chlorodibromomethane	129	7.536	7.536	0.000	89	273479	50.0	52.9	
84 Ethylene Dibromide	107	7.663	7.663	0.000	99	241284	50.0	49.9	
87 Chlorobenzene	112	8.120	8.120	0.000	92	720602	50.0	48.6	
88 Ethylbenzene	91	8.180	8.180	0.000	99	1307726	50.0	50.2	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	92	281930	50.0	52.8	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	502235	50.0	49.5	
91 o-Xylene	106	8.728	8.728	0.000	97	476622	50.0	48.6	
92 Styrene	104	8.746	8.746	0.000	93	802493	50.0	48.0	
95 Bromoform	173	9.020	9.020	0.000	95	165618	50.0	52.0	
94 Isopropylbenzene	105	9.093	9.093	0.000	96	1273730	50.0	51.5	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.476	0.000	76	302322	50.0	50.3	
101 Bromobenzene	156	9.482	9.482	0.000	93	329332	50.0	50.3	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	60	109547	50.0	54.3	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	1502638	50.0	51.0	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	100687	50.0	52.1	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	288623	50.0	49.8	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1109520	50.0	51.9	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	306851	50.0	50.7	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	245004	50.0	51.4	
107 1,2,4-Trimethylbenzene	105	10.072	10.072	0.000	97	1130980	50.0	52.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1369982	50.0	51.9	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	98	1180030	50.0	51.9	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	638553	50.0	51.3	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	641234	50.0	50.6	
115 n-Butylbenzene	91	10.729	10.729	0.000	97	1107088	50.0	53.1	
116 1,2-Dichlorobenzene	146	10.809	10.809	0.000	97	588293	50.0	50.6	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	84	64922	50.0	54.9	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	94	392735	50.0	50.8	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	245367	50.0	53.6	
121 Naphthalene	128	12.354	12.354	0.000	97	902053	50.0	50.1	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	363601	50.0	51.3	

Reagents:

8260 CORP mix_00075	Amount Added: 25.00	Units: uL	
GAS CORP mix_00160	Amount Added: 25.00	Units: uL	
F 8260 IS_00455	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added: 1.00	Units: uL	Run Reagent

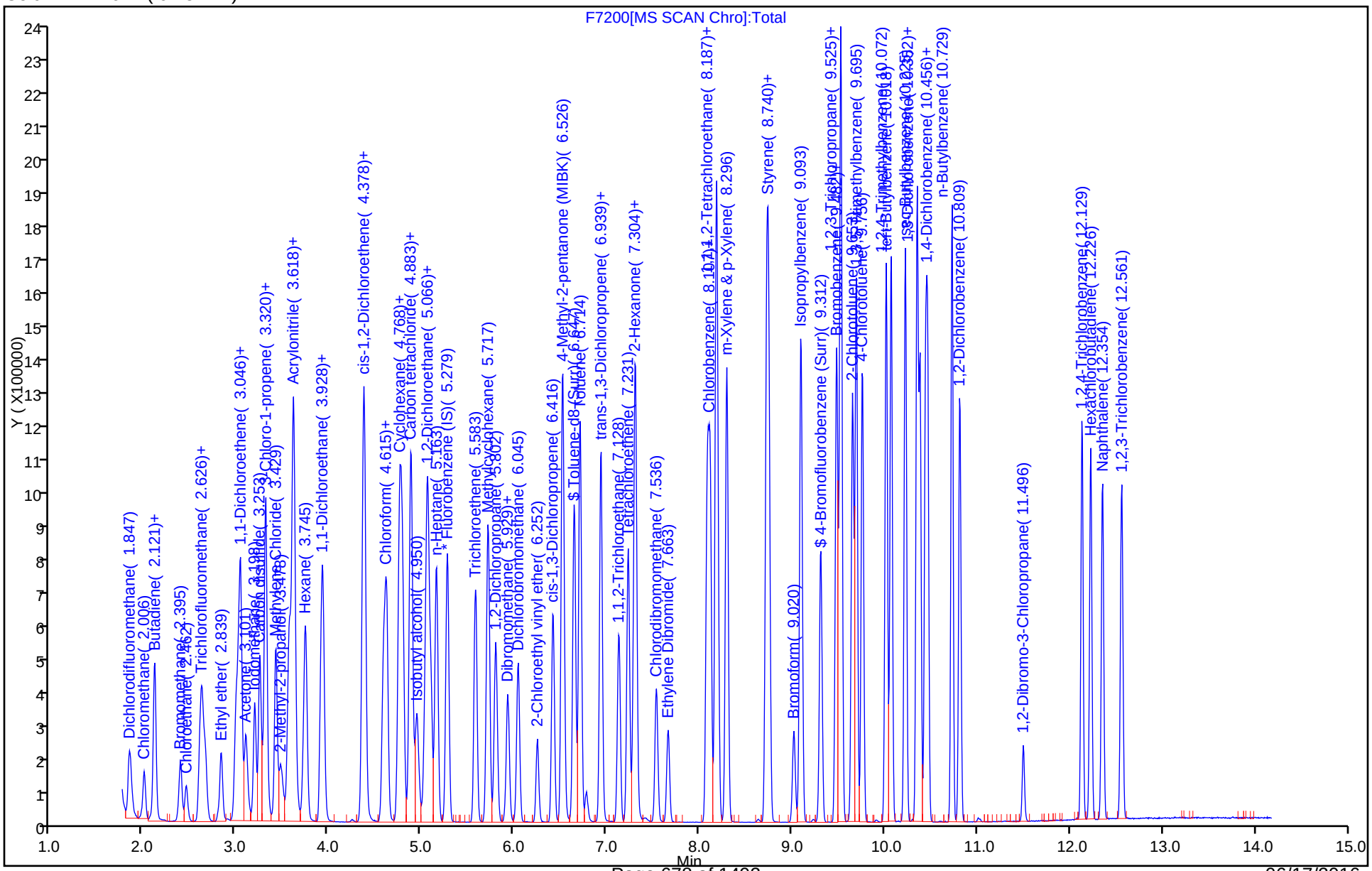
Report Date: 14-Jun-2016 10:35:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7200.D

Injection Date:	14-Jun-2016 10:04:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306675/2 Calibration Date: 06/14/2016 21:37

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4628.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.040	1.225	0.1000	29.4	25.0	17.8	50.0
Chloromethane	Ave	1.909	2.030	0.1000	26.6	25.0	6.3	20.0
Vinyl chloride	Ave	1.452	1.497	0.1000	25.8	25.0	3.1	20.0
Butadiene	Ave	1.611	1.944		30.2	25.0	20.6*	20.0
Bromomethane	Ave	0.6973	0.6282	0.1000	22.5	25.0	-9.9	50.0
Chloroethane	Ave	0.8099	0.8567	0.1000	26.4	25.0	5.8	50.0
Dichlorofluoromethane	Ave	1.809	1.695		23.4	25.0	-6.3	20.0
Trichlorofluoromethane	Ave	1.254	1.594	0.1000	31.8	25.0	27.1*	20.0
Ethyl ether	Ave	1.464	1.378		23.5	25.0	-5.9	20.0
Acrolein	Ave	0.3243	0.3568		138	125	10.0	50.0
1,1-Dichloroethene	Ave	1.025	1.055	0.1000	25.7	25.0	2.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.8800	1.092	0.1000	31.0	25.0	24.1*	20.0
Acetone	Ave	0.5123	0.5627	0.1000	137	125	9.8	50.0
Iodomethane	Ave	1.589	1.587		25.0	25.0	-0.1	20.0
Carbon disulfide	Ave	3.399	3.579	0.1000	26.3	25.0	5.3	20.0
Allyl chloride	Ave	2.477	2.756		27.8	25.0	11.3	20.0
Methyl acetate	Ave	1.315	1.546	0.1000	147	125	17.6	50.0
Methylene Chloride	Lin1		1.233	0.1000	25.2	25.0	0.7	20.0
2-Methyl-2-propanol	Ave	0.1779	0.2117		298	250	19.0	50.0
Methyl tert-butyl ether	Ave	3.819	3.802	0.1000	24.9	25.0	-0.5	20.0
trans-1,2-Dichloroethene	Ave	1.118	1.133	0.1000	25.3	25.0	1.4	20.0
Acrylonitrile	Ave	0.6903	0.7824		283	250	13.3	20.0
Hexane	Ave	2.069	2.743		33.1	25.0	32.6*	20.0
1,1-Dichloroethane	Ave	2.365	2.482	0.2000	26.2	25.0	4.9	20.0
Vinyl acetate	Ave	3.200	3.812		59.6	50.0	19.1	20.0
2,2-Dichloropropane	Ave	1.101	1.185		26.9	25.0	7.7	20.0
cis-1,2-Dichloroethene	Ave	1.323	1.262	0.1000	23.9	25.0	-4.6	20.0
2-Butanone (MEK)	Ave	0.7773	0.9080	0.1000	146	125	16.8	20.0
Chlorobromomethane	Ave	0.5760	0.5849		25.4	25.0	1.6	20.0
Tetrahydrofuran	Ave	0.5604	0.6483		57.8	50.0	15.7	20.0
Chloroform	Ave	1.989	2.004	0.2000	25.2	25.0	0.7	20.0
1,1,1-Trichloroethane	Ave	1.449	1.780	0.1000	30.7	25.0	22.9*	20.0
Cyclohexane	Ave	2.345	3.064	0.1000	32.7	25.0	30.7*	20.0
Carbon tetrachloride	Ave	1.218	1.569	0.1000	32.2	25.0	28.8*	20.0
1,1-Dichloropropene	Ave	1.479	1.691		28.6	25.0	14.3	20.0
Isobutyl alcohol	Ave	0.0798	0.0988		774	625	23.8	50.0
Benzene	Ave	4.596	4.697	0.5000	25.5	25.0	2.2	20.0
1,2-Dichloroethane	Ave	1.801	1.907	0.1000	26.5	25.0	5.9	20.0
n-Heptane	Ave	2.051	2.814		34.3	25.0	37.2*	20.0
Trichloroethene	Ave	1.077	1.189	0.2000	27.6	25.0	10.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306675/2 Calibration Date: 06/14/2016 21:37

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4628.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.891	2.190	0.1000	28.9	25.0	15.8	20.0
1,2-Dichloropropane	Ave	1.258	1.336	0.1000	26.5	25.0	6.2	20.0
Dibromomethane	Ave	0.6821	0.7094	0.1000	26.0	25.0	4.0	20.0
1,4-Dioxane	Ave	0.0039	0.0043		547	500	9.4	50.0
Bromodichloromethane	Ave	1.432	1.566	0.2000	27.3	25.0	9.4	20.0
2-Chloroethyl vinyl ether	Ave	0.7524	0.8958		29.8	25.0	19.0	20.0
cis-1,3-Dichloropropene	Ave	1.853	1.885	0.2000	25.4	25.0	1.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1912	0.2027	0.1000	133	125	6.0	20.0
Toluene	Ave	0.8667	0.8690	0.4000	25.1	25.0	0.3	20.0
trans-1,3-Dichloropropene	Ave	0.5103	0.5246	0.1000	25.7	25.0	2.8	20.0
Ethyl methacrylate	Ave	0.4362	0.4457		25.5	25.0	2.2	20.0
1,1,2-Trichloroethane	Ave	0.2436	0.2601	0.1000	26.7	25.0	6.8	20.0
Tetrachloroethene	Ave	0.3128	0.3468	0.2000	27.7	25.0	10.9	20.0
1,3-Dichloropropane	Ave	0.5210	0.5230		25.1	25.0	0.4	20.0
2-Hexanone	Ave	0.2875	0.3560	0.1000	155	125	23.9*	20.0
Dibromochloromethane	Ave	0.3053	0.3239	0.1000	26.5	25.0	6.1	20.0
1,2-Dibromoethane	Ave	0.3012	0.3168		26.3	25.0	5.2	20.0
Chlorobenzene	Ave	0.8860	0.8841	0.5000	24.9	25.0	-0.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3042	0.3171		26.1	25.0	4.2	20.0
Ethylbenzene	Ave	1.646	1.586	0.1000	24.1	25.0	-3.6	20.0
m,p-Xylene	Lin1		0.6122	0.1000	25.0	25.0	-0.2	20.0
o-Xylene	Ave	0.6600	0.6162	0.3000	23.3	25.0	-6.6	20.0
Styrene	Ave	0.9938	1.005	0.3000	25.3	25.0	1.1	20.0
Bromoform	Ave	0.1825	0.2061	0.1000	28.2	25.0	12.9	50.0
Isopropylbenzene	Ave	3.204	3.172	0.1000	24.8	25.0	-1.0	20.0
Bromobenzene	Ave	0.7361	0.7633		25.9	25.0	3.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8823	0.7936	0.3000	22.5	25.0	-10.1	20.0
1,2,3-Trichloropropane	Ave	0.2641	0.2501		23.7	25.0	-5.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3459	0.3108		22.5	25.0	-10.2	50.0
N-Propylbenzene	Ave	3.786	3.733		24.7	25.0	-1.4	20.0
2-Chlorotoluene	Ave	0.7405	0.7090		23.9	25.0	-4.3	20.0
1,3,5-Trimethylbenzene	Ave	2.749	2.683		24.4	25.0	-2.4	20.0
4-Chlorotoluene	Ave	2.807	2.606		23.2	25.0	-7.2	20.0
tert-Butylbenzene	Ave	0.5681	0.5639		24.8	25.0	-0.7	20.0
1,2,4-Trimethylbenzene	Ave	2.853	2.690		23.6	25.0	-5.7	20.0
sec-Butylbenzene	Ave	3.436	3.388		24.6	25.0	-1.4	20.0
1,3-Dichlorobenzene	Ave	1.467	1.390	0.6000	23.7	25.0	-5.2	20.0
4-Isopropyltoluene	Ave	2.867	2.786		24.3	25.0	-2.8	20.0
1,4-Dichlorobenzene	Ave	1.460	1.345	0.5000	23.0	25.0	-7.9	20.0
n-Butylbenzene	Ave	2.692	2.660		24.7	25.0	-1.2	20.0
1,2-Dichlorobenzene	Ave	1.399	1.264	0.4000	22.6	25.0	-9.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306675/2 Calibration Date: 06/14/2016 21:37

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4628.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1696	0.1490	0.0500	22.0	25.0	-12.1	50.0
1,2,4-Trichlorobenzene	Ave	0.9498	0.9490	0.2000	25.0	25.0	-0.0	20.0
Hexachlorobutadiene	Ave	0.4845	0.4986		25.7	25.0	2.9	20.0
Naphthalene	Ave	2.550	2.222		21.8	25.0	-12.9	20.0
1,2,3-Trichlorobenzene	Ave	0.8497	0.8436		24.8	25.0	-0.7	20.0
Dibromofluoromethane (Surr)	Ave	1.153	1.147		24.9	25.0	-0.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.511	1.526		25.2	25.0	1.0	20.0
Toluene-d8 (Surr)	Ave	1.386	1.335		24.1	25.0	-3.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3770	0.4048		26.8	25.0	7.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4628.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Jun-2016 21:37:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054040-002
Operator ID: GF Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 22:17:02 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 22:17:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	96374	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.557	0.000	89	317996	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	156519	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.968	0.000	91	110584	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	147090	25.0	25.2	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	424546	25.0	24.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	87	128736	25.0	26.8	
11 Dichlorodifluoromethane	85	1.397	1.397	0.000	98	118064	25.0	29.4	
13 Chloromethane	50	1.555	1.555	0.000	99	195631	25.0	26.6	
14 Vinyl chloride	62	1.665	1.665	0.000	98	144230	25.0	25.8	
144 Butadiene	54	1.689	1.689	0.000	89	187360	25.0	30.2	
15 Bromomethane	94	1.963	1.963	0.000	92	60537	25.0	22.5	
16 Chloroethane	64	2.072	2.072	0.000	96	82562	25.0	26.4	
17 Dichlorofluoromethane	67	2.297	2.297	0.000	99	163355	25.0	23.4	
18 Trichlorofluoromethane	101	2.334	2.334	0.000	93	153596	25.0	31.8	
19 Ethyl ether	59	2.589	2.589	0.000	99	132834	25.0	23.5	
20 Acrolein	56	2.748	2.748	0.000	99	171908	125.0	137.5	
22 1,1-Dichloroethene	96	2.802	2.802	0.000	93	101682	25.0	25.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.821	2.821	0.000	74	105231	25.0	31.0	
23 Acetone	43	2.900	2.900	0.000	100	271127	125.0	137.3	
24 Iodomethane	142	2.961	2.961	0.000	99	152986	25.0	25.0	
25 Carbon disulfide	76	3.003	3.003	0.000	100	344923	25.0	26.3	
27 3-Chloro-1-propene	41	3.167	3.167	0.000	91	265651	25.0	27.8	
28 Methyl acetate	43	3.210	3.210	0.000	100	745176	125.0	147.0	
30 Methylene Chloride	84	3.307	3.307	0.000	94	118860	25.0	25.2	
31 2-Methyl-2-propanol	59	3.459	3.459	0.000	99	204046	250.0	297.5	
32 Methyl tert-butyl ether	73	3.532	3.532	0.000	97	366382	25.0	24.9	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	92	109204	25.0	25.3	
34 Acrylonitrile	53	3.563	3.563	0.000	100	754000	250.0	283.3	
35 Hexane	57	3.764	3.764	0.000	92	264333	25.0	33.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.958	3.958	0.000	96	239172	25.0	26.2	
39 Vinyl acetate	43	4.007	4.007	0.000	96	734710	50.0	59.6	
42 2,2-Dichloropropane	77	4.481	4.481	0.000	90	114181	25.0	26.9	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	86	121638	25.0	23.9	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	98	437547	125.0	146.0	
47 Chlorobromomethane	128	4.737	4.737	0.000	88	56370	25.0	25.4	
49 Tetrahydrofuran	42	4.767	4.767	0.000	95	124955	50.0	57.8	
50 Chloroform	83	4.816	4.816	0.000	95	193089	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	171593	25.0	30.7	
52 Cyclohexane	56	4.974	4.974	0.000	91	295277	25.0	32.7	
53 Carbon tetrachloride	117	5.090	5.090	0.000	82	151172	25.0	32.2	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	93	163000	25.0	28.6	
56 Isobutyl alcohol	43	5.278	5.278	0.000	96	238134	625.0	773.9	
55 Benzene	78	5.297	5.297	0.000	97	452710	25.0	25.5	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	183806	25.0	26.5	
59 n-Heptane	43	5.504	5.504	0.000	96	271197	25.0	34.3	
60 Trichloroethene	95	5.911	5.911	0.000	97	114588	25.0	27.6	
62 Methylcyclohexane	83	6.051	6.051	0.000	96	211049	25.0	28.9	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	95	128734	25.0	26.5	
64 Dibromomethane	93	6.264	6.264	0.000	96	68370	25.0	26.0	
66 1,4-Dioxane	88	6.276	6.276	0.000	56	27133	500.0	547.0	
67 Dichlorobromomethane	83	6.422	6.422	0.000	97	150896	25.0	27.3	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	90	86327	25.0	29.8	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	93	181643	25.0	25.4	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	322294	125.0	132.5	
73 Toluene	92	7.140	7.140	0.000	98	276345	25.0	25.1	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	166828	25.0	25.7	
77 Ethyl methacrylate	69	7.462	7.462	0.000	96	141728	25.0	25.5	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	94	82713	25.0	26.7	
79 Tetrachloroethene	166	7.688	7.688	0.000	96	110287	25.0	27.7	
80 1,3-Dichloropropane	76	7.754	7.754	0.000	98	166314	25.0	25.1	
82 2-Hexanone	43	7.821	7.821	0.000	97	566064	125.0	154.8	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	103007	25.0	26.5	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	100740	25.0	26.3	
85 Chlorobenzene	112	8.588	8.588	0.000	91	281124	25.0	24.9	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	92	100829	25.0	26.1	
88 Ethylbenzene	91	8.691	8.691	0.000	98	504291	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	194669	25.0	25.0	
91 o-Xylene	106	9.239	9.239	0.000	97	195953	25.0	23.3	
92 Styrene	104	9.263	9.263	0.000	95	319471	25.0	25.3	
93 Bromoform	173	9.494	9.494	0.000	95	65549	25.0	28.2	
95 Isopropylbenzene	105	9.622	9.622	0.000	97	496522	25.0	24.8	
97 Bromobenzene	156	9.951	9.951	0.000	97	119477	25.0	25.9	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	95	124206	25.0	22.5	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	87	39146	25.0	23.7	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	67	48647	25.0	22.5	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	584314	25.0	24.7	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	110977	25.0	23.9	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	94	419963	25.0	24.4	
105 4-Chlorotoluene	91	10.249	10.249	0.000	99	407869	25.0	23.2	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	88254	25.0	24.8	
108 1,2,4-Trimethylbenzene	105	10.589	10.589	0.000	98	421015	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.748	10.748	0.000	95	530223	25.0	24.6	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	96	217633	25.0	23.7	
111 4-Isopropyltoluene	119	10.881	10.881	0.000	97	436064	25.0	24.3	
113 1,4-Dichlorobenzene	146	10.954	10.954	0.000	91	210460	25.0	23.0	
115 n-Butylbenzene	91	11.265	11.265	0.000	99	416316	25.0	24.7	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	96	197764	25.0	22.6	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	79	23317	25.0	22.0	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	95	148543	25.0	25.0	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	96	78034	25.0	25.7	
121 Naphthalene	128	12.925	12.925	0.000	97	347761	25.0	21.8	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	132041	25.0	24.8	

Reagents:

8260 CORP mix_00075	Amount Added: 12.50	Units: uL	
GAS CORP mix_00160	Amount Added: 12.50	Units: uL	
N_8260_Surr_00189	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added: 1.00	Units: uL	Run Reagent

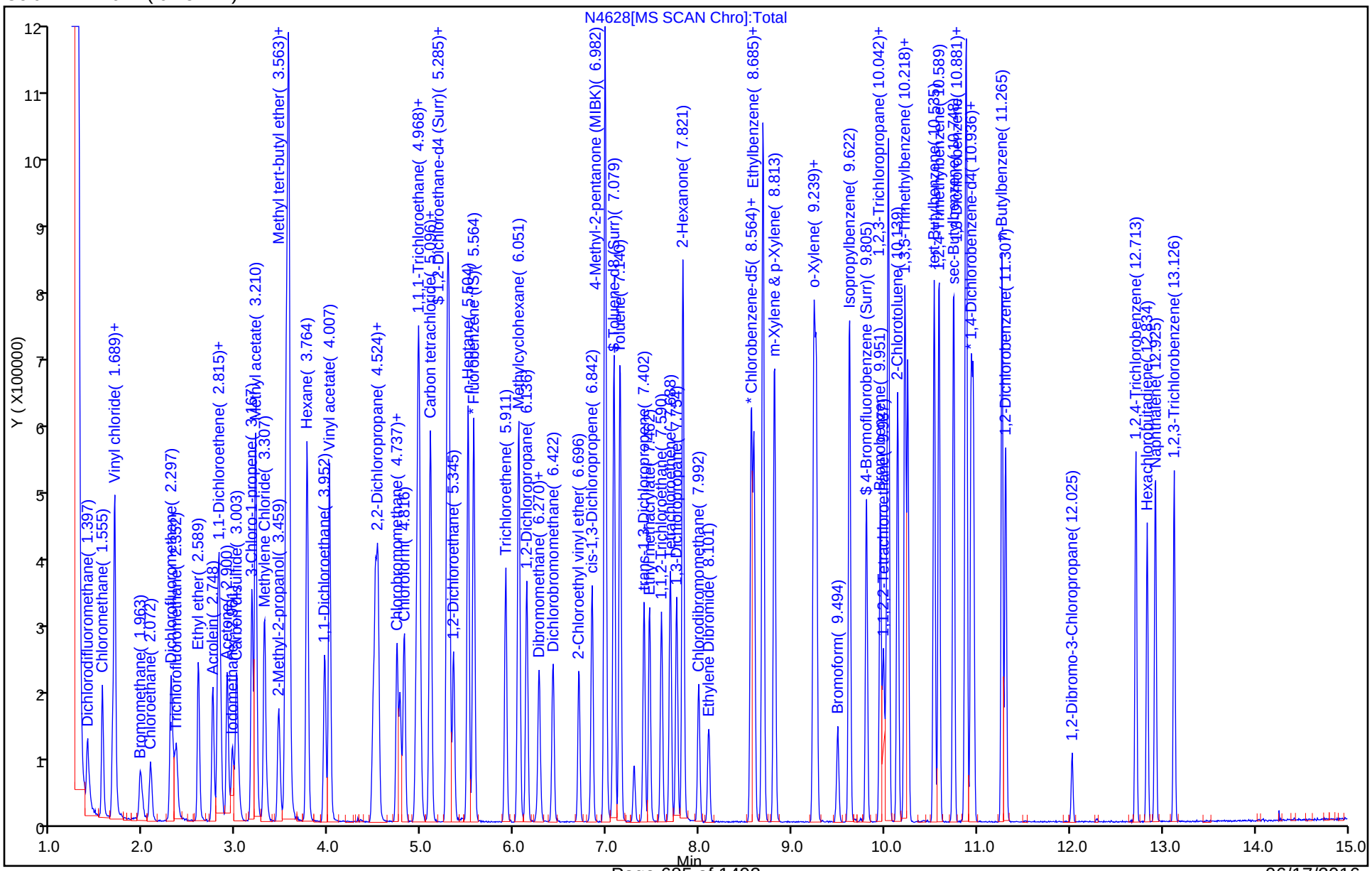
Report Date: 14-Jun-2016 22:17:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4628.D

Injection Date:	14-Jun-2016 21:37:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306755/2 Calibration Date: 06/15/2016 08:56

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4653.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.040	1.160	0.1000	27.9	25.0	11.5	50.0
Chloromethane	Ave	1.909	2.141	0.1000	28.0	25.0	12.2	20.0
Vinyl chloride	Ave	1.452	1.490	0.1000	25.7	25.0	2.6	20.0
Butadiene	Ave	1.611	1.845		28.6	25.0	14.5	20.0
Bromomethane	Ave	0.6973	0.6566	0.1000	23.5	25.0	-5.8	50.0
Chloroethane	Ave	0.8099	0.8906	0.1000	27.5	25.0	10.0	50.0
Dichlorofluoromethane	Ave	1.809	1.784		24.7	25.0	-1.4	20.0
Trichlorofluoromethane	Ave	1.254	1.586	0.1000	31.6	25.0	26.5*	20.0
Ethyl ether	Ave	1.464	1.440		24.6	25.0	-1.7	20.0
Acrolein	Ave	0.3243	0.3583		138	125	10.5	50.0
1,1-Dichloroethene	Ave	1.025	1.062	0.1000	25.9	25.0	3.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.8800	1.058	0.1000	30.1	25.0	20.3*	20.0
Acetone	Ave	0.5123	0.5203	0.1000	127	125	1.6	50.0
Iodomethane	Ave	1.589	1.639		25.8	25.0	3.1	20.0
Carbon disulfide	Ave	3.399	3.623	0.1000	26.6	25.0	6.6	20.0
Allyl chloride	Ave	2.477	2.840		28.7	25.0	14.6	20.0
Methyl acetate	Ave	1.315	1.536	0.1000	146	125	16.8	50.0
Methylene Chloride	Lin1		1.244	0.1000	25.4	25.0	1.7	20.0
2-Methyl-2-propanol	Ave	0.1779	0.2189		308	250	23.0	50.0
Methyl tert-butyl ether	Ave	3.819	3.891	0.1000	25.5	25.0	1.9	20.0
trans-1,2-Dichloroethene	Ave	1.118	1.187	0.1000	26.5	25.0	6.1	20.0
Acrylonitrile	Ave	0.6903	0.7988		289	250	15.7	20.0
Hexane	Ave	2.069	2.659		32.1	25.0	28.5*	20.0
1,1-Dichloroethane	Ave	2.365	2.483	0.2000	26.2	25.0	5.0	20.0
Vinyl acetate	Ave	3.200	3.911		61.1	50.0	22.2*	20.0
2,2-Dichloropropane	Ave	1.101	1.173		26.6	25.0	6.6	20.0
cis-1,2-Dichloroethene	Ave	1.323	1.290	0.1000	24.4	25.0	-2.5	20.0
2-Butanone (MEK)	Ave	0.7773	0.8885	0.1000	143	125	14.3	20.0
Chlorobromomethane	Ave	0.5760	0.5802		25.2	25.0	0.7	20.0
Tetrahydrofuran	Ave	0.5604	0.6524		58.2	50.0	16.4	20.0
Chloroform	Ave	1.989	2.053	0.2000	25.8	25.0	3.2	20.0
1,1,1-Trichloroethane	Ave	1.449	1.743	0.1000	30.1	25.0	20.2*	20.0
Cyclohexane	Ave	2.345	2.963	0.1000	31.6	25.0	26.3*	20.0
Carbon tetrachloride	Ave	1.218	1.564	0.1000	32.1	25.0	28.4*	20.0
1,1-Dichloropropene	Ave	1.479	1.621		27.4	25.0	9.6	20.0
Isobutyl alcohol	Ave	0.0798	0.0997		780	625	24.9	50.0
Benzene	Ave	4.596	4.881	0.5000	26.5	25.0	6.2	20.0
1,2-Dichloroethane	Ave	1.801	1.911	0.1000	26.5	25.0	6.1	20.0
n-Heptane	Ave	2.051	2.823		34.4	25.0	37.6*	20.0
Trichloroethene	Ave	1.077	1.167	0.2000	27.1	25.0	8.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306755/2 Calibration Date: 06/15/2016 08:56

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4653.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.891	2.115	0.1000	28.0	25.0	11.8	20.0
1,2-Dichloropropane	Ave	1.258	1.405	0.1000	27.9	25.0	11.7	20.0
Dibromomethane	Ave	0.6821	0.7145	0.1000	26.2	25.0	4.7	20.0
1,4-Dioxane	Ave	0.0039	0.0045		579	500	15.9	50.0
Bromodichloromethane	Ave	1.432	1.564	0.2000	27.3	25.0	9.2	20.0
2-Chloroethyl vinyl ether	Ave	0.7524	0.8874		29.5	25.0	17.9	20.0
cis-1,3-Dichloropropene	Ave	1.853	1.986	0.2000	26.8	25.0	7.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1912	0.1918	0.1000	125	125	0.3	20.0
Toluene	Ave	0.8667	0.8419	0.4000	24.3	25.0	-2.9	20.0
trans-1,3-Dichloropropene	Ave	0.5103	0.5060	0.1000	24.8	25.0	-0.8	20.0
Ethyl methacrylate	Ave	0.4362	0.4315		24.7	25.0	-1.1	20.0
1,1,2-Trichloroethane	Ave	0.2436	0.2462	0.1000	25.3	25.0	1.1	20.0
Tetrachloroethene	Ave	0.3128	0.3173	0.2000	25.4	25.0	1.4	20.0
1,3-Dichloropropane	Ave	0.5210	0.5238		25.1	25.0	0.5	20.0
2-Hexanone	Ave	0.2875	0.3342	0.1000	145	125	16.2	20.0
Dibromochloromethane	Ave	0.3053	0.3164	0.1000	25.9	25.0	3.6	20.0
1,2-Dibromoethane	Ave	0.3012	0.2913		24.2	25.0	-3.3	20.0
Chlorobenzene	Ave	0.8860	0.8698	0.5000	24.5	25.0	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3042	0.3055		25.1	25.0	0.4	20.0
Ethylbenzene	Ave	1.646	1.524	0.1000	23.1	25.0	-7.4	20.0
m,p-Xylene	Lin1		0.5870	0.1000	23.9	25.0	-4.5	20.0
o-Xylene	Ave	0.6600	0.6108	0.3000	23.1	25.0	-7.4	20.0
Styrene	Ave	0.9938	0.9717	0.3000	24.4	25.0	-2.2	20.0
Bromoform	Ave	0.1825	0.2003	0.1000	27.4	25.0	9.7	50.0
Isopropylbenzene	Ave	3.204	3.096	0.1000	24.2	25.0	-3.3	20.0
Bromobenzene	Ave	0.7361	0.7546		25.6	25.0	2.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8823	0.7653	0.3000	21.7	25.0	-13.3	20.0
1,2,3-Trichloropropane	Ave	0.2641	0.2460		23.3	25.0	-6.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3459	0.3444		24.9	25.0	-0.5	50.0
N-Propylbenzene	Ave	3.786	3.635		24.0	25.0	-4.0	20.0
2-Chlorotoluene	Ave	0.7405	0.6603		22.3	25.0	-10.8	20.0
1,3,5-Trimethylbenzene	Ave	2.749	2.630		23.9	25.0	-4.3	20.0
4-Chlorotoluene	Ave	2.807	2.564		22.8	25.0	-8.6	20.0
tert-Butylbenzene	Ave	0.5681	0.5165		22.7	25.0	-9.1	20.0
1,2,4-Trimethylbenzene	Ave	2.853	2.634		23.1	25.0	-7.7	20.0
sec-Butylbenzene	Ave	3.436	3.227		23.5	25.0	-6.1	20.0
1,3-Dichlorobenzene	Ave	1.467	1.290	0.6000	22.0	25.0	-12.1	20.0
4-Isopropyltoluene	Ave	2.867	2.776		24.2	25.0	-3.2	20.0
1,4-Dichlorobenzene	Ave	1.460	1.362	0.5000	23.3	25.0	-6.7	20.0
n-Butylbenzene	Ave	2.692	2.564		23.8	25.0	-4.8	20.0
1,2-Dichlorobenzene	Ave	1.399	1.264	0.4000	22.6	25.0	-9.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-306755/2 Calibration Date: 06/15/2016 08:56

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4653.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1696	0.1428	0.0500	21.1	25.0	-15.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9498	0.9166	0.2000	24.1	25.0	-3.5	20.0
Hexachlorobutadiene	Ave	0.4845	0.4647		24.0	25.0	-4.1	20.0
Naphthalene	Ave	2.550	2.126		20.8	25.0	-16.6	20.0
1,2,3-Trichlorobenzene	Ave	0.8497	0.8047		23.7	25.0	-5.3	20.0
Dibromofluoromethane (Surr)	Ave	1.153	1.138		24.7	25.0	-1.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.511	1.565		25.9	25.0	3.6	20.0
Toluene-d8 (Surr)	Ave	1.386	1.320		23.8	25.0	-4.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3770	0.4119		27.3	25.0	9.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4653.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Jun-2016 08:56:30 ALS Bottle#: 27 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054051-002
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 16:45:26 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: o'briens Date: 15-Jun-2016 09:24:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.558	0.000	98	96643	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.557	0.000	88	342705	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	167263	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.968	0.000	90	110020	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	151293	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	452320	25.0	23.8	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	89	141157	25.0	27.3	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	98	112128	25.0	27.9	
13 Chloromethane	50	1.555	1.555	0.000	99	206917	25.0	28.0	
14 Vinyl chloride	62	1.665	1.665	0.000	98	143983	25.0	25.7	
144 Butadiene	54	1.683	1.683	0.000	89	178338	25.0	28.6	
15 Bromomethane	94	1.969	1.969	0.000	88	63459	25.0	23.5	
16 Chloroethane	64	2.078	2.078	0.000	97	86066	25.0	27.5	
17 Dichlorofluoromethane	67	2.297	2.297	0.000	97	172401	25.0	24.7	
18 Trichlorofluoromethane	101	2.328	2.328	0.000	93	153261	25.0	31.6	
19 Ethyl ether	59	2.589	2.589	0.000	97	139122	25.0	24.6	
20 Acrolein	56	2.748	2.748	0.000	99	173129	125.0	138.1	
22 1,1-Dichloroethene	96	2.808	2.808	0.000	94	102631	25.0	25.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.821	2.821	0.000	77	102281	25.0	30.1	
23 Acetone	43	2.900	2.900	0.000	100	251401	125.0	126.9	
24 Iodomethane	142	2.961	2.961	0.000	99	158384	25.0	25.8	
25 Carbon disulfide	76	3.003	3.003	0.000	100	350173	25.0	26.6	
27 3-Chloro-1-propene	41	3.167	3.167	0.000	92	274445	25.0	28.7	
28 Methyl acetate	43	3.204	3.204	0.000	100	742160	125.0	146.0	
30 Methylene Chloride	84	3.301	3.301	0.000	94	120242	25.0	25.4	
31 2-Methyl-2-propanol	59	3.453	3.453	0.000	100	211546	250.0	307.6	
32 Methyl tert-butyl ether	73	3.538	3.538	0.000	98	376037	25.0	25.5	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	92	114673	25.0	26.5	
34 Acrylonitrile	53	3.563	3.563	0.000	99	772018	250.0	289.3	
35 Hexane	57	3.764	3.764	0.000	93	256940	25.0	32.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	97	239971	25.0	26.2	
39 Vinyl acetate	43	4.007	4.007	0.000	96	755951	50.0	61.1	
42 2,2-Dichloropropane	77	4.481	4.481	0.000	88	113328	25.0	26.6	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	86	124648	25.0	24.4	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	98	429321	125.0	142.9	
47 Chlorobromomethane	128	4.737	4.737	0.000	89	56074	25.0	25.2	
49 Tetrahydrofuran	42	4.767	4.767	0.000	94	126094	50.0	58.2	
50 Chloroform	83	4.816	4.816	0.000	95	198445	25.0	25.8	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	96	168412	25.0	30.1	
52 Cyclohexane	56	4.968	4.968	0.000	90	286324	25.0	31.6	
53 Carbon tetrachloride	117	5.090	5.090	0.000	81	151129	25.0	32.1	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	91	156658	25.0	27.4	
56 Isobutyl alcohol	43	5.278	5.278	0.000	96	240843	625.0	780.5	
55 Benzene	78	5.297	5.297	0.000	98	471690	25.0	26.5	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	184689	25.0	26.5	
59 n-Heptane	43	5.503	5.503	0.000	96	272787	25.0	34.4	
60 Trichloroethene	95	5.911	5.911	0.000	97	112777	25.0	27.1	
62 Methylcyclohexane	83	6.051	6.051	0.000	95	204368	25.0	28.0	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	135740	25.0	27.9	
64 Dibromomethane	93	6.270	6.270	0.000	96	69050	25.0	26.2	
66 1,4-Dioxane	88	6.276	6.276	0.000	62	30969	500.0	579.4	
67 Dichlorobromomethane	83	6.422	6.422	0.000	97	151119	25.0	27.3	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	88	85759	25.0	29.5	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	93	191902	25.0	26.8	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	328562	125.0	125.4	
73 Toluene	92	7.146	7.146	0.000	98	288521	25.0	24.3	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	173402	25.0	24.8	
77 Ethyl methacrylate	69	7.456	7.456	0.000	97	147879	25.0	24.7	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	95	84384	25.0	25.3	
79 Tetrachloroethene	166	7.687	7.687	0.000	96	108736	25.0	25.4	
80 1,3-Dichloropropane	76	7.754	7.754	0.000	98	179517	25.0	25.1	
82 2-Hexanone	43	7.821	7.821	0.000	97	572592	125.0	145.3	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	108419	25.0	25.9	
84 Ethylene Dibromide	107	8.101	8.101	0.000	100	99817	25.0	24.2	
85 Chlorobenzene	112	8.588	8.588	0.000	92	298073	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	94	104706	25.0	25.1	
88 Ethylbenzene	91	8.691	8.691	0.000	98	522191	25.0	23.1	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	201173	25.0	23.9	
91 o-Xylene	106	9.239	9.239	0.000	96	209338	25.0	23.1	
92 Styrene	104	9.263	9.263	0.000	94	333012	25.0	24.4	
93 Bromoform	173	9.494	9.494	0.000	96	68643	25.0	27.4	
95 Isopropylbenzene	105	9.622	9.622	0.000	97	517882	25.0	24.2	
97 Bromobenzene	156	9.951	9.951	0.000	97	126209	25.0	25.6	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	94	128010	25.0	21.7	
99 1,2,3-Trichloropropane	110	10.017	10.017	0.000	84	41149	25.0	23.3	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	81	57602	25.0	24.9	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	608031	25.0	24.0	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	110439	25.0	22.3	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	95	439920	25.0	23.9	
105 4-Chlorotoluene	91	10.249	10.249	0.000	99	428914	25.0	22.8	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	86396	25.0	22.7	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	98	440575	25.0	23.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.741	10.741	0.000	95	539829	25.0	23.5	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	96	215729	25.0	22.0	
111 4-Isopropyltoluene	119	10.881	10.881	0.000	97	464248	25.0	24.2	
113 1,4-Dichlorobenzene	146	10.960	10.960	0.000	93	227816	25.0	23.3	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	428806	25.0	23.8	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	96	211346	25.0	22.6	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.025	0.000	78	23889	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	12.712	12.712	0.000	94	153309	25.0	24.1	
120 Hexachlorobutadiene	225	12.840	12.840	0.000	96	77727	25.0	24.0	
121 Naphthalene	128	12.919	12.919	0.000	98	355644	25.0	20.8	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	134589	25.0	23.7	

Reagents:

8260 CORP mix_00075	Amount Added: 12.50	Units: uL	
GAS CORP mix_00160	Amount Added: 12.50	Units: uL	
N_8260_Surr_00189	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added: 1.00	Units: uL	Run Reagent

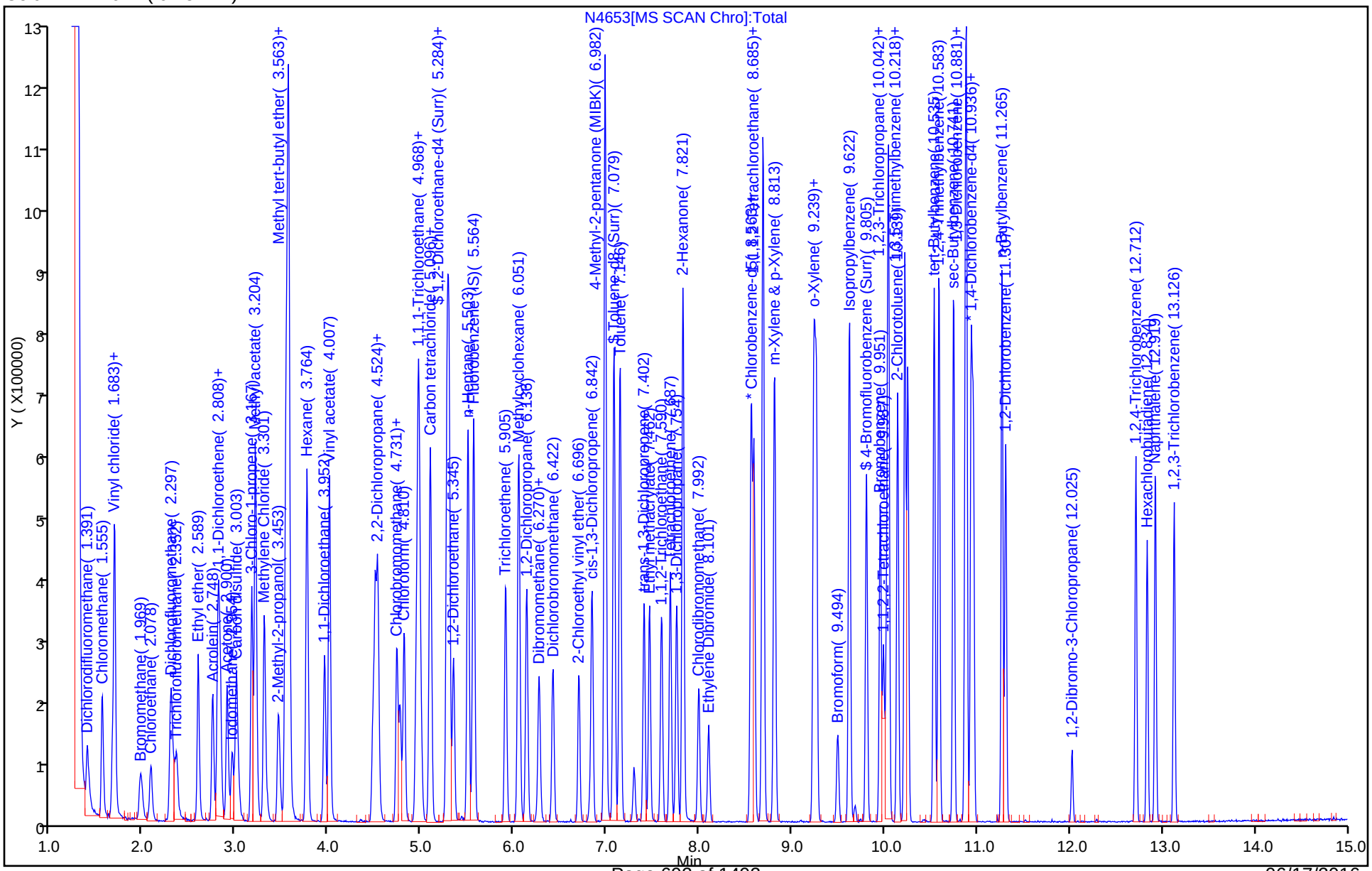
Report Date: 15-Jun-2016 16:45:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4653.D

Injection Date:	15-Jun-2016 08:56:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-Jun-2016 12:11:30	ALS Bottle#:	1	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0053862-003				
Operator ID:	CDC	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	09-Jun-2016 10:45:56	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK032				
First Level Reviewer: cwiklinc		Date:	09-Jun-2016 10:45:55		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.436	5.436	0.000	0	378094	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

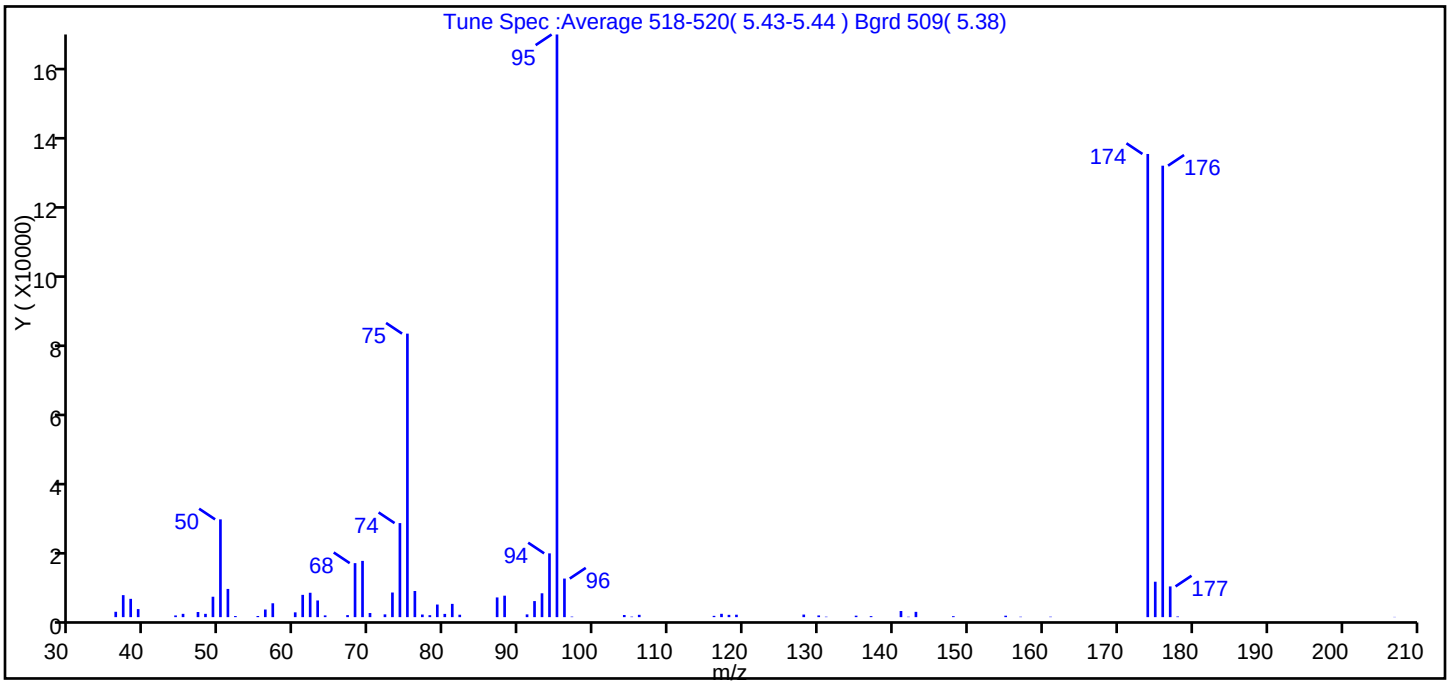
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D
Injection Date: 08-Jun-2016 12:11:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.8
75	30 to 60% of m/z 95	48.7
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.5
175	5 to 9% of m/z 174	6.1 (7.6)
176	Greater than 95% but less than 101% of m/z 174	77.5 (97.5)
177	5 to 9% of m/z 176	5.3 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 08-Jun-2016 12:11:30
Spectrum: Tune Spec :Average 518-520(5.43-5.44) Bgrd 509(5.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1532	63.00	4761	88.00	6128	135.00	421
37.00	6283	64.00	499	91.00	786	137.00	288
38.00	5225	67.00	582	92.00	4583	141.00	1749
39.00	2301	68.00	15416	93.00	6808	142.00	121
44.00	483	69.00	16059	94.00	18208	143.00	1512
45.00	943	70.00	1181	95.00	166336	148.00	270
47.00	1467	72.00	793	96.00	11014	155.00	413
48.00	944	73.00	7031	97.00	150	157.00	118
49.00	5827	74.00	26848	104.00	611	161.00	125
50.00	27912	75.00	80936	105.00	144	174.00	132224
51.00	8053	76.00	7465	106.00	663	175.00	10113
52.00	318	77.00	748	116.00	370	176.00	128880
55.00	328	78.00	562	117.00	954	177.00	8772
56.00	2179	79.00	3600	118.00	654	178.00	183
57.00	3958	80.00	929	119.00	694	207.00	65
60.00	1370	81.00	3788	128.00	736		
61.00	6365	82.00	690	130.00	486		
62.00	6961	87.00	5629	131.00	129		

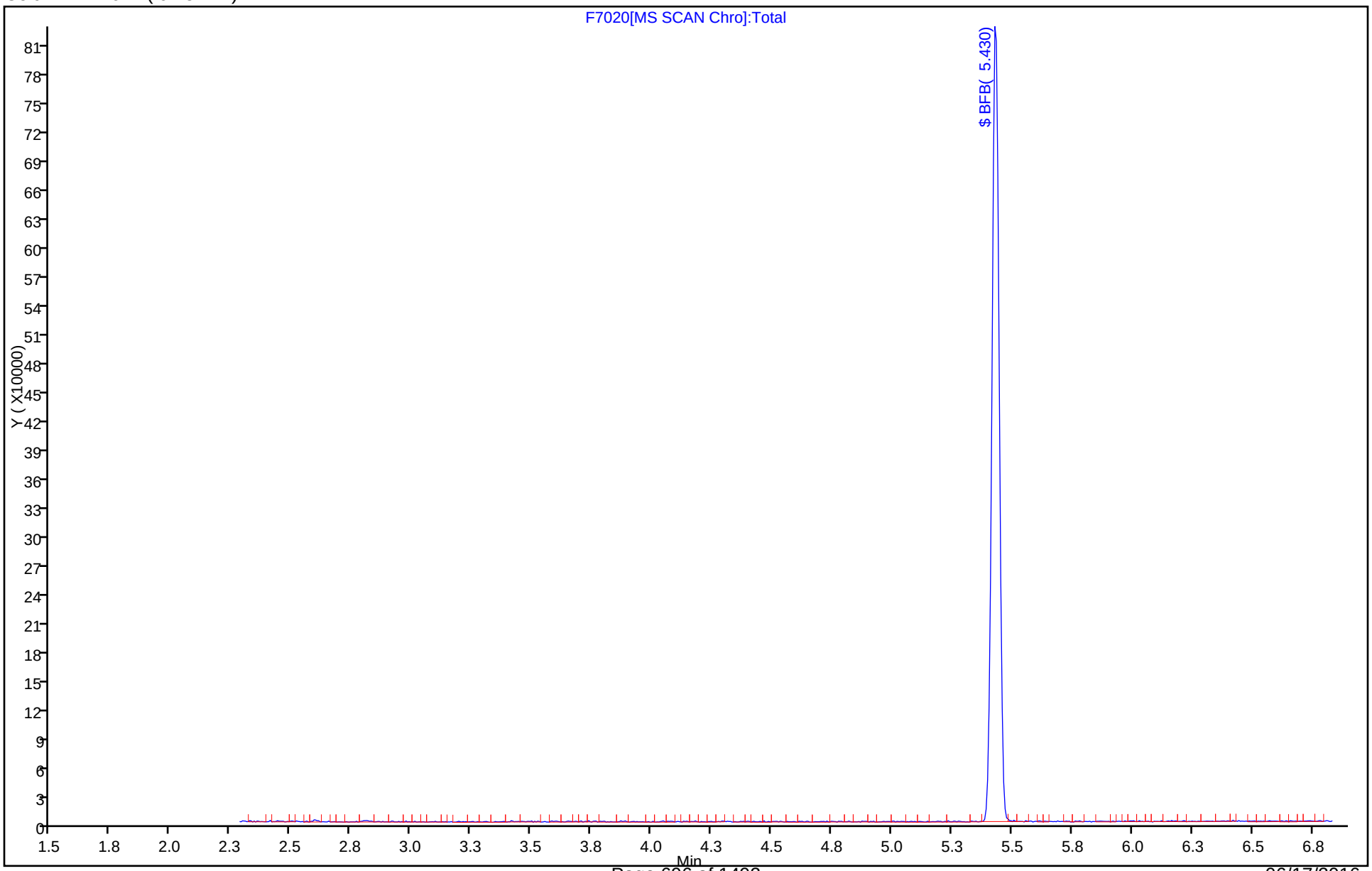
Report Date: 09-Jun-2016 10:45:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D

Injection Date:	08-Jun-2016 12:11:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-Jun-2016 22:11:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0054007-002
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 22:22:22 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 22:22:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.436	5.436	0.000	0	87418	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

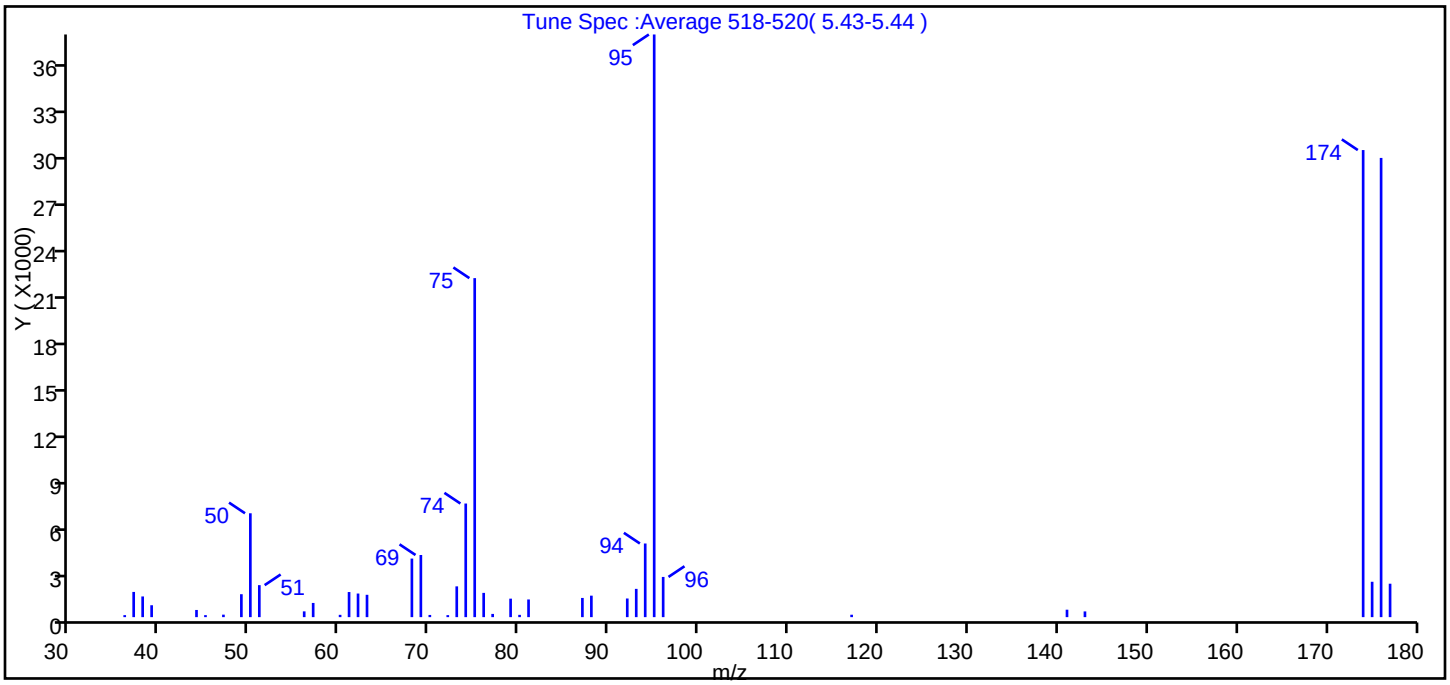
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D
Injection Date: 13-Jun-2016 22:11:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	58.2
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.2
175	5 to 9% of m/z 174	6.1 (7.6)
176	Greater than 95% but less than 101% of m/z 174	78.8 (98.3)
177	5 to 9% of m/z 176	5.7 (7.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 13-Jun-2016 22:11:30
Spectrum: Tune Spec :Average 518-520(5.43-5.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	129	57.00	910	75.00	21728	95.00	37344
37.00	1616	60.00	148	76.00	1555	96.00	2577
38.00	1326	61.00	1609	77.00	207	117.00	155
39.00	763	62.00	1513	79.00	1185	141.00	477
44.00	460	63.00	1432	80.00	147	143.00	367
45.00	129	68.00	3754	81.00	1133	174.00	29936
47.00	160	69.00	3983	87.00	1231	175.00	2267
49.00	1470	70.00	141	88.00	1377	176.00	29432
50.00	6657	72.00	129	92.00	1195	177.00	2143
51.00	2051	73.00	1973	93.00	1812		
56.00	370	74.00	7282	94.00	4720		

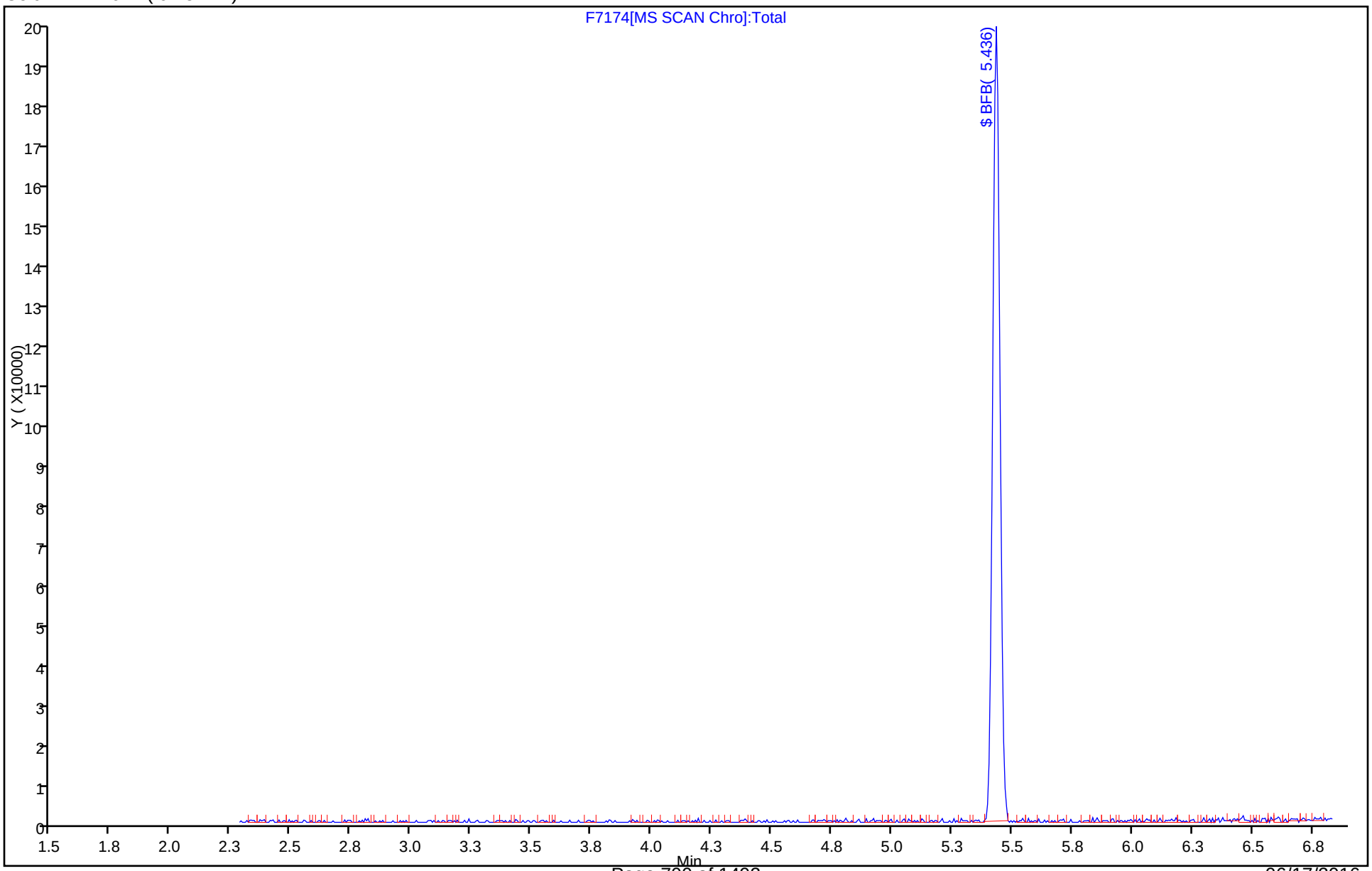
Report Date: 13-Jun-2016 22:22:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D

Injection Date:	13-Jun-2016 22:11:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7199.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	14-Jun-2016 09:29:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0054020-001				
Operator ID:	CDC	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 09:43:40	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				
First Level Reviewer: cwiklinc		Date:	14-Jun-2016 09:43:40		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.430	5.430	0.000	0	81023	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

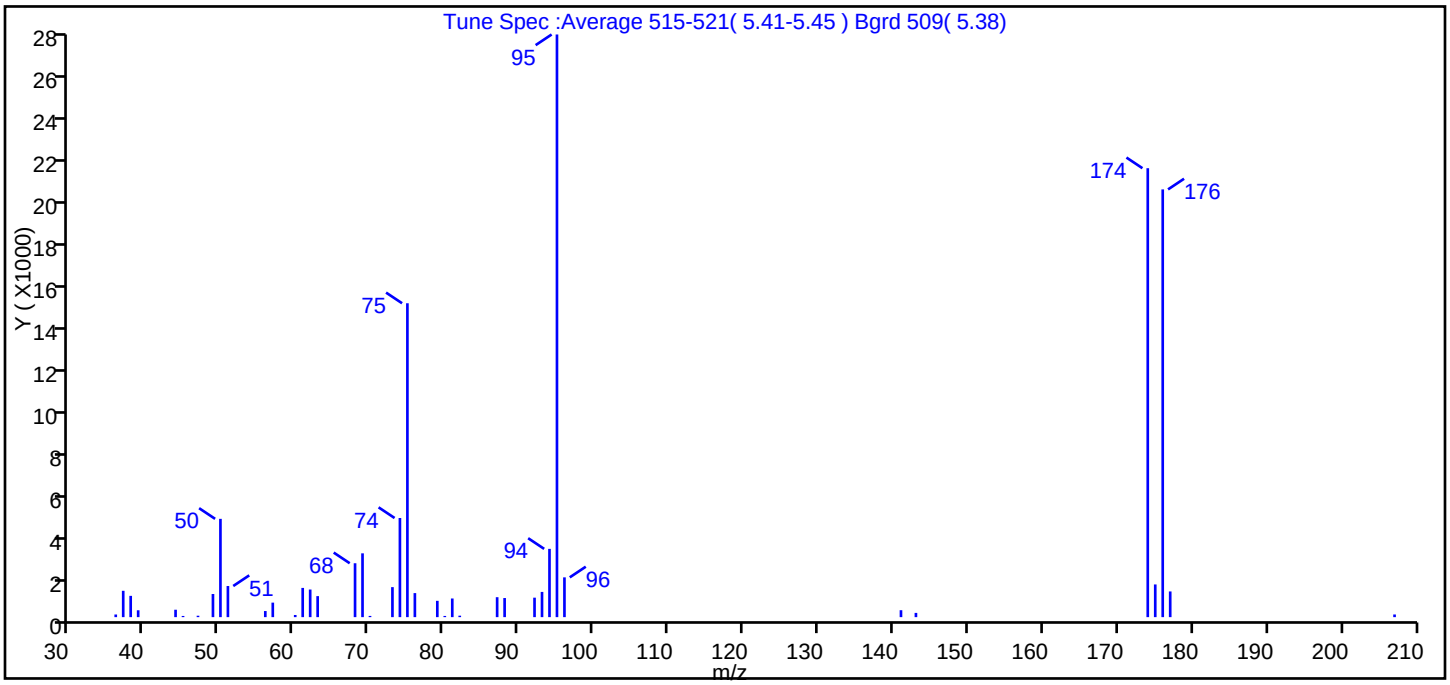
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7199.D
Injection Date: 14-Jun-2016 09:29:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.9
75	30 to 60% of m/z 95	53.9
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.0
175	5 to 9% of m/z 174	5.6 (7.3)
176	Greater than 95% but less than 101% of m/z 174	73.4 (95.3)
177	5 to 9% of m/z 176	4.4 (6.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7199.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 14-Jun-2016 09:29:30
Spectrum: Tune Spec :Average 515-521(5.41-5.45) Bgrd 509(5.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 41

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	123	57.00	674	76.00	1116	96.00	1847
37.00	1223	60.00	100	79.00	757	141.00	322
38.00	988	61.00	1357	80.00	56	143.00	197
39.00	319	62.00	1282	81.00	866	174.00	20840
44.00	344	63.00	976	82.00	68	175.00	1518
45.00	55	68.00	2502	87.00	926	176.00	19856
47.00	66	69.00	2962	88.00	887	177.00	1193
49.00	1074	70.00	57	92.00	904	207.00	124
50.00	4563	73.00	1393	93.00	1171		
51.00	1445	74.00	4602	94.00	3169		
56.00	283	75.00	14571	95.00	27048		

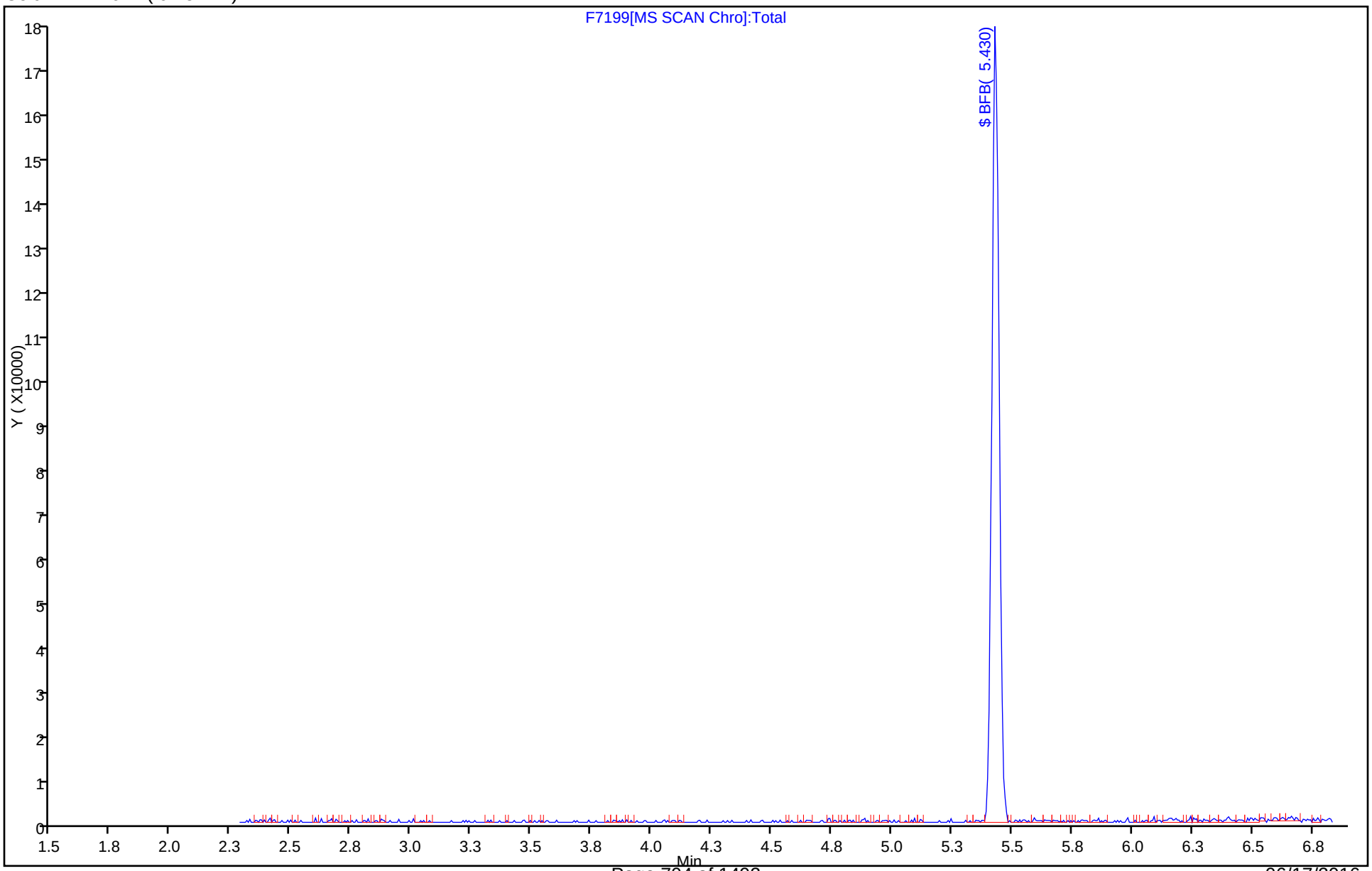
Report Date: 14-Jun-2016 09:43:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7199.D

Injection Date:	14-Jun-2016 09:29:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-May-2016 16:10:30 ALS Bottle#: 45 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0053328-002
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-May-2016 16:23:59 Calib Date: 18-May-2016 06:20:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160517-53286.b\N3449.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 18-May-2016 16:23:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.430	4.430	0.000	83	341384	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

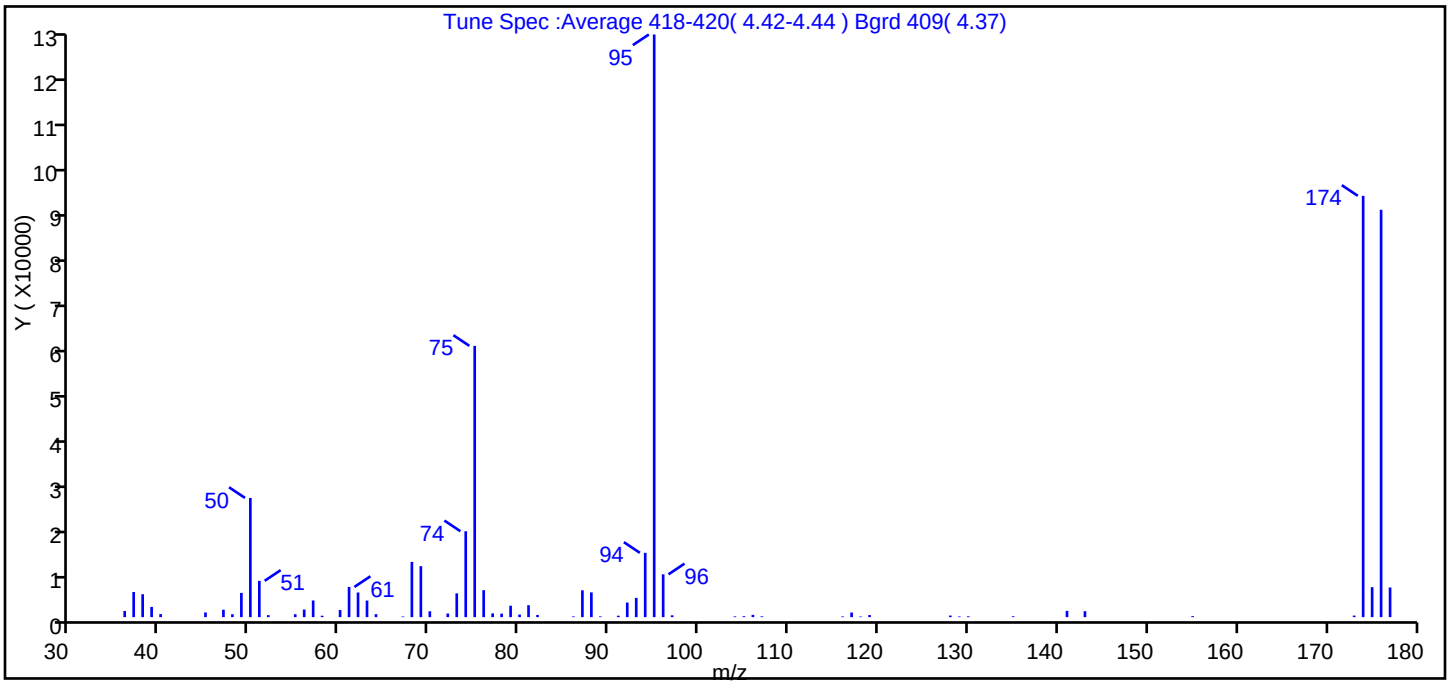
BFB_WRK_00053 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D
Injection Date: 18-May-2016 16:10:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 45 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.5
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	72.3
175	5 to 9% of m/z 174	5.1 (7.1)
176	Greater than 95% but less than 101% of m/z 174	69.9 (96.7)
177	5 to 9% of m/z 176	5.1 (7.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D\N-8260.rslt\spectra.d
Injection Date: 18-May-2016 16:10:30
Spectrum: Tune Spec :Average 418-420(4.42-4.44) Bgrd 409(4.37)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1345	61.00	6624	81.00	2620	116.00	158
37.00	5509	62.00	5408	82.00	477	117.00	1012
38.00	5035	63.00	3635	86.00	164	118.00	134
39.00	2243	64.00	655	87.00	5894	119.00	457
40.00	668	67.00	141	88.00	5433	128.00	347
45.00	1030	68.00	12116	89.00	159	129.00	148
47.00	1636	69.00	11183	91.00	315	130.00	186
48.00	635	70.00	1286	92.00	3203	135.00	189
49.00	5320	72.00	795	93.00	4227	141.00	1371
50.00	26152	73.00	5221	94.00	14108	143.00	1302
51.00	7969	74.00	18848	95.00	127824	155.00	218
52.00	443	75.00	59512	96.00	9395	173.00	343
55.00	640	76.00	5921	97.00	403	174.00	92424
56.00	1679	77.00	830	104.00	169	175.00	6576
57.00	3650	78.00	762	105.00	206	176.00	89368
58.00	313	79.00	2502	106.00	501	177.00	6509
60.00	1570	80.00	570	107.00	181		

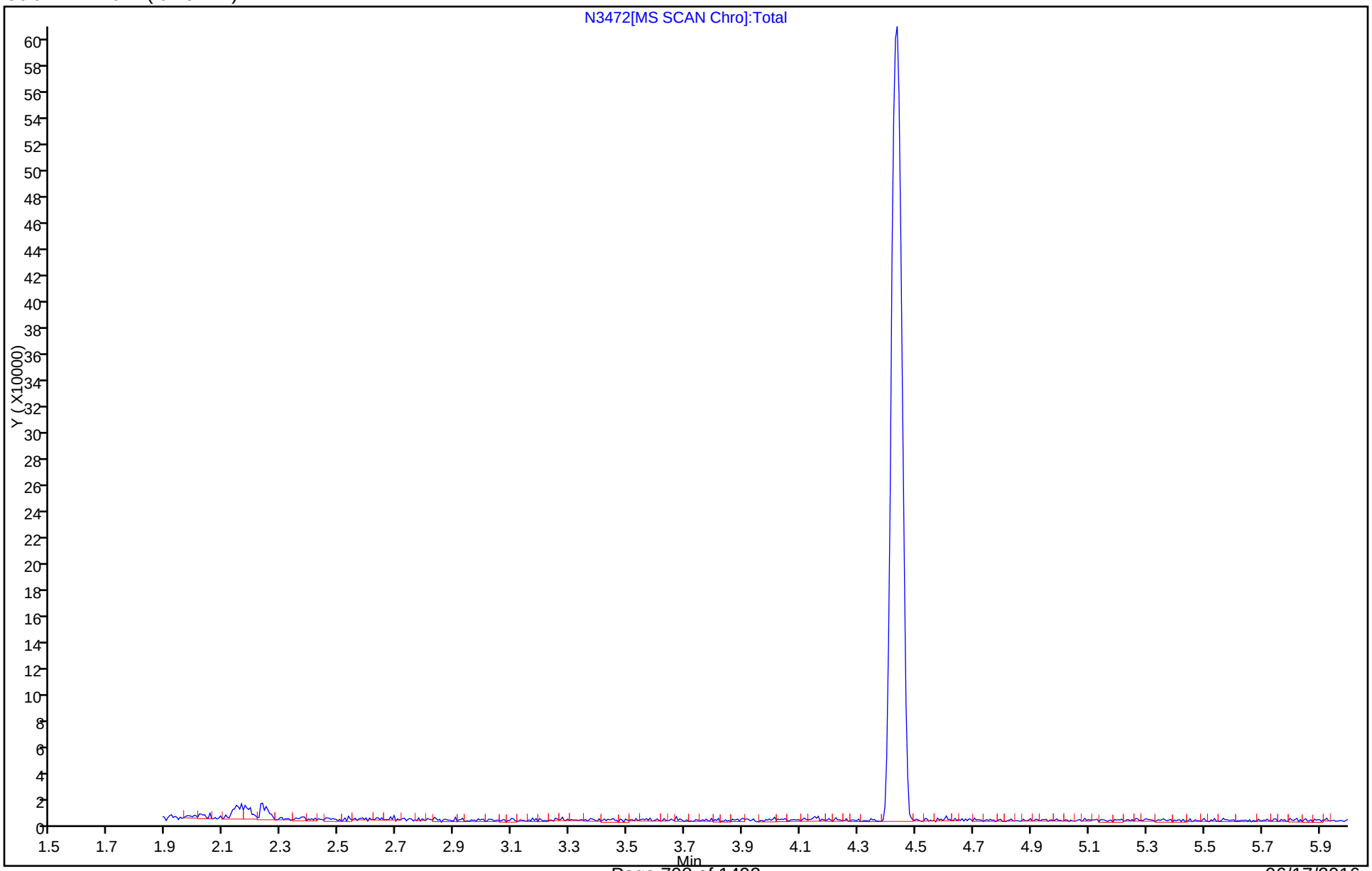
Report Date: 18-May-2016 16:24:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D

Injection Date:	18-May-2016 16:10:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	45
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4627.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2016 21:11:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0054040-001
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 21:21:54 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 21:21:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.430	4.430	0.000	84	171462	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

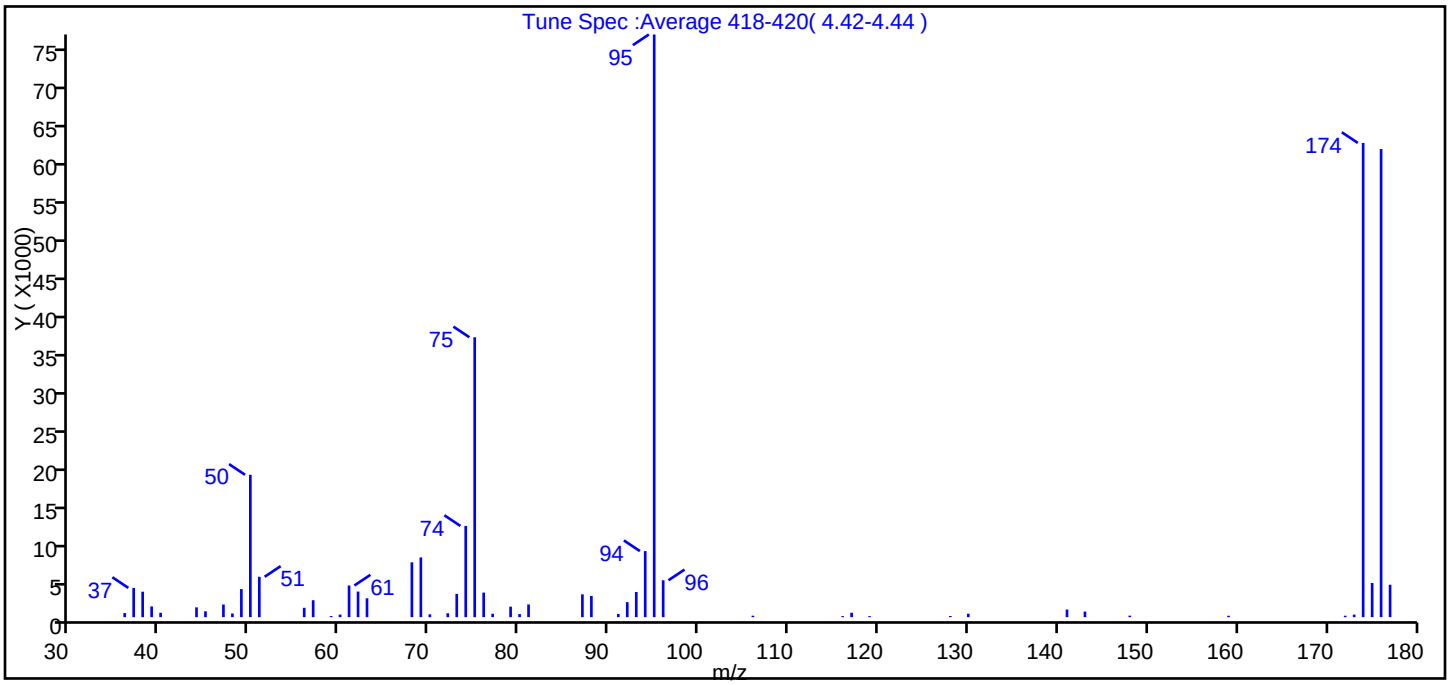
BFB_WRK_00053 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4627.D
Injection Date: 14-Jun-2016 21:11:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.4
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	81.4
175	5 to 9% of m/z 174	5.9 (7.2)
176	Greater than 95% but less than 101% of m/z 174	80.3 (98.7)
177	5 to 9% of m/z 176	5.6 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4627.D\N-8260.rslt\spectra.d
Injection Date: 14-Jun-2016 21:11:30
Spectrum: Tune Spec :Average 418-420(4.42-4.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	537	59.00	143	79.00	1374	119.00	134
37.00	3840	60.00	338	80.00	402	128.00	148
38.00	3343	61.00	4157	81.00	1664	130.00	451
39.00	1409	62.00	3360	87.00	2995	141.00	998
40.00	571	63.00	2477	88.00	2784	143.00	732
44.00	1287	68.00	7201	91.00	421	148.00	194
45.00	768	69.00	7848	92.00	1969	159.00	184
47.00	1660	70.00	370	93.00	3302	172.00	188
48.00	481	72.00	512	94.00	8677	173.00	334
49.00	3691	73.00	3056	95.00	76544	174.00	62296
50.00	18704	74.00	11981	96.00	4845	175.00	4489
51.00	5301	75.00	36768	106.00	191	176.00	61496
56.00	1228	76.00	3227	116.00	140	177.00	4258
57.00	2224	77.00	448	117.00	580		

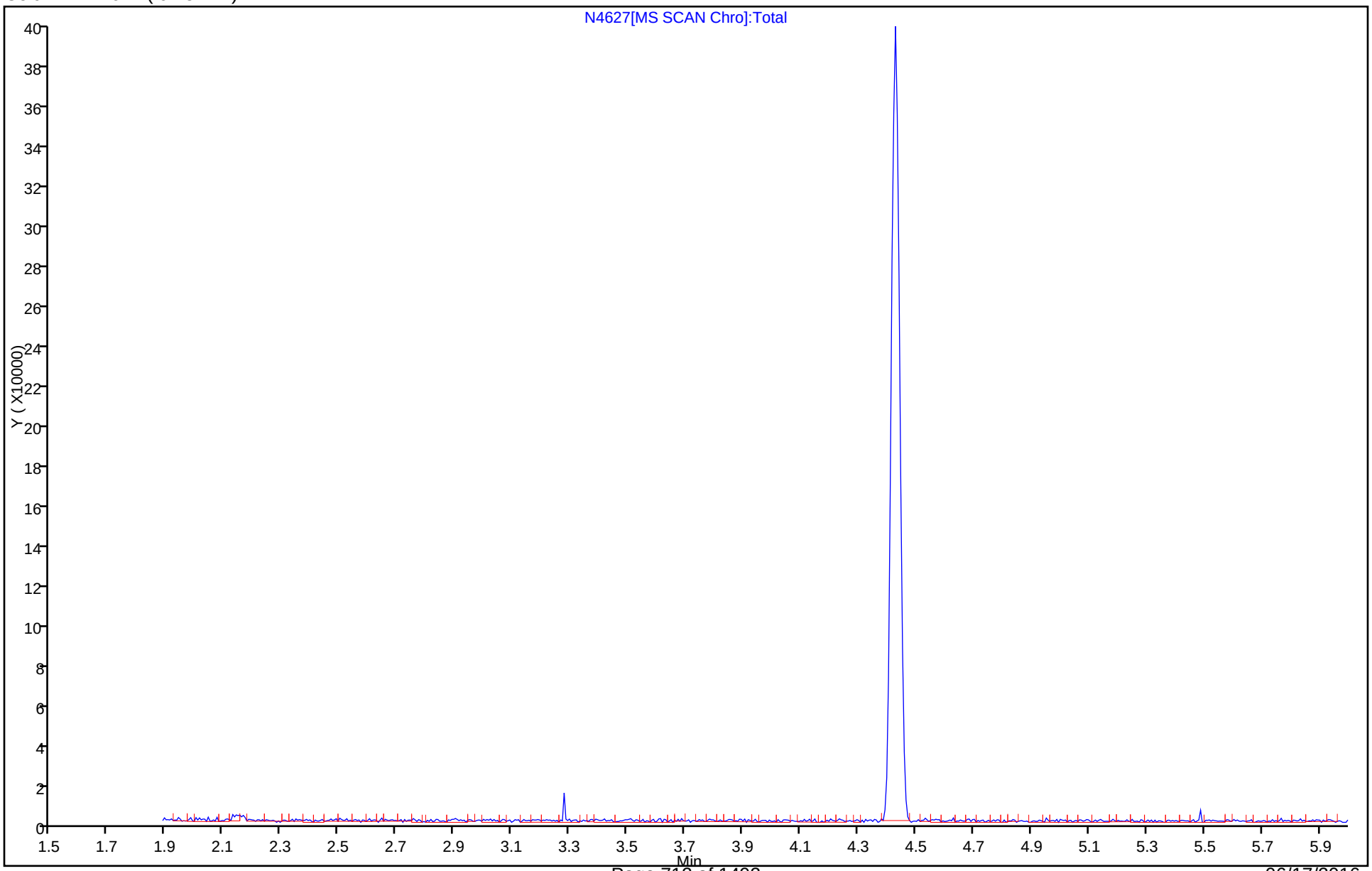
Report Date: 14-Jun-2016 21:21:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4627.D

Injection Date:	14-Jun-2016 21:11:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4652.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Jun-2016 08:27:30 ALS Bottle#: 26 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0054051-001
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 08:40:52 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: o'briens Date: 15-Jun-2016 08:40:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.443	4.443	0.000	88	199894	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

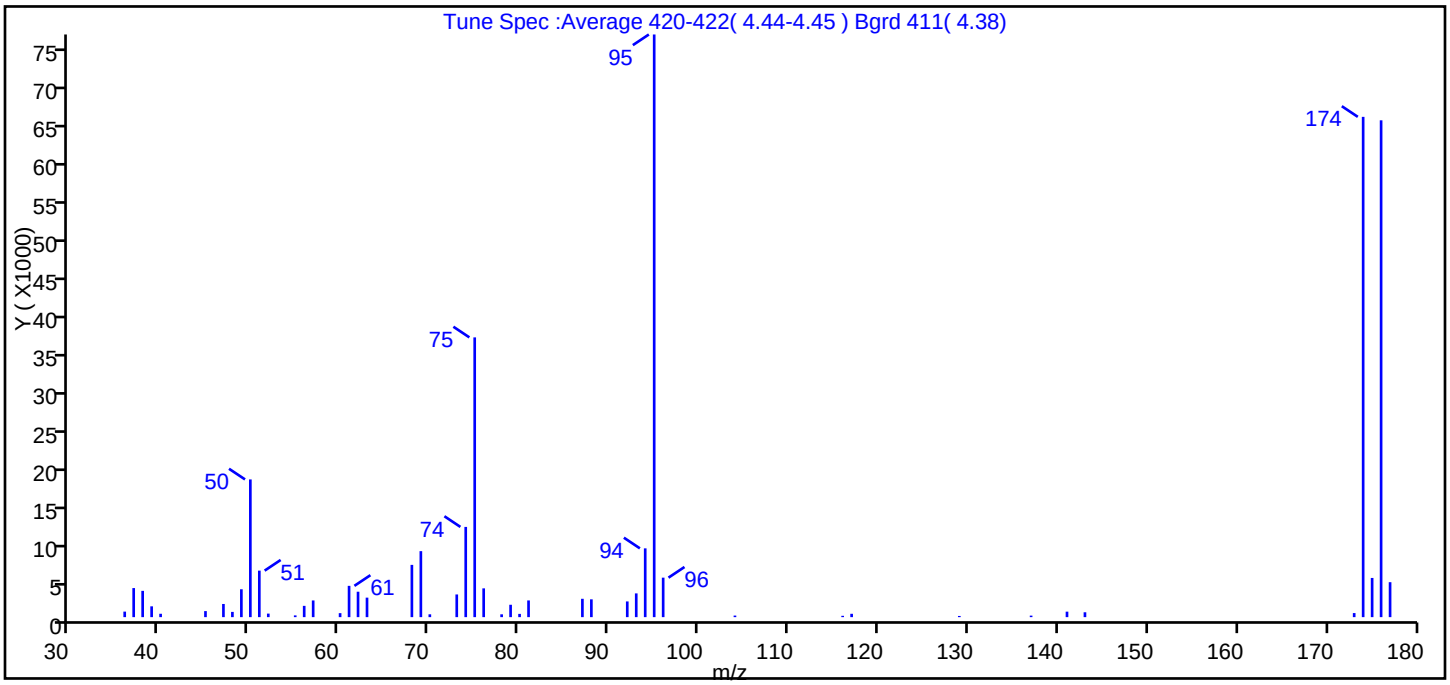
BFB_WRK_00053 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4652.D
Injection Date: 15-Jun-2016 08:27:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 26 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.6
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.7 (0.8)
174	50 to 120% of m/z 95	85.9
175	5 to 9% of m/z 174	6.7 (7.8)
176	Greater than 95% but less than 101% of m/z 174	85.3 (99.3)
177	5 to 9% of m/z 176	6.0 (7.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4652.D\N-8260.rslt\spectra.d
Injection Date: 15-Jun-2016 08:27:30
Spectrum: Tune Spec :Average 420-422(4.44-4.45) Bgrd 411(4.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	730	56.00	1489	78.00	374	117.00	442
37.00	3836	57.00	2204	79.00	1634	129.00	156
38.00	3468	60.00	527	80.00	430	137.00	201
39.00	1427	61.00	4130	81.00	2205	141.00	724
40.00	445	62.00	3355	87.00	2422	143.00	643
45.00	797	63.00	2573	88.00	2351	173.00	538
47.00	1738	68.00	6897	92.00	2073	174.00	66024
48.00	692	69.00	8709	93.00	3134	175.00	5173
49.00	3679	70.00	375	94.00	9078	176.00	65568
50.00	18176	73.00	2994	95.00	76896	177.00	4614
51.00	6138	74.00	11908	96.00	5211		
52.00	467	75.00	36920	104.00	207		
55.00	231	76.00	3798	116.00	175		

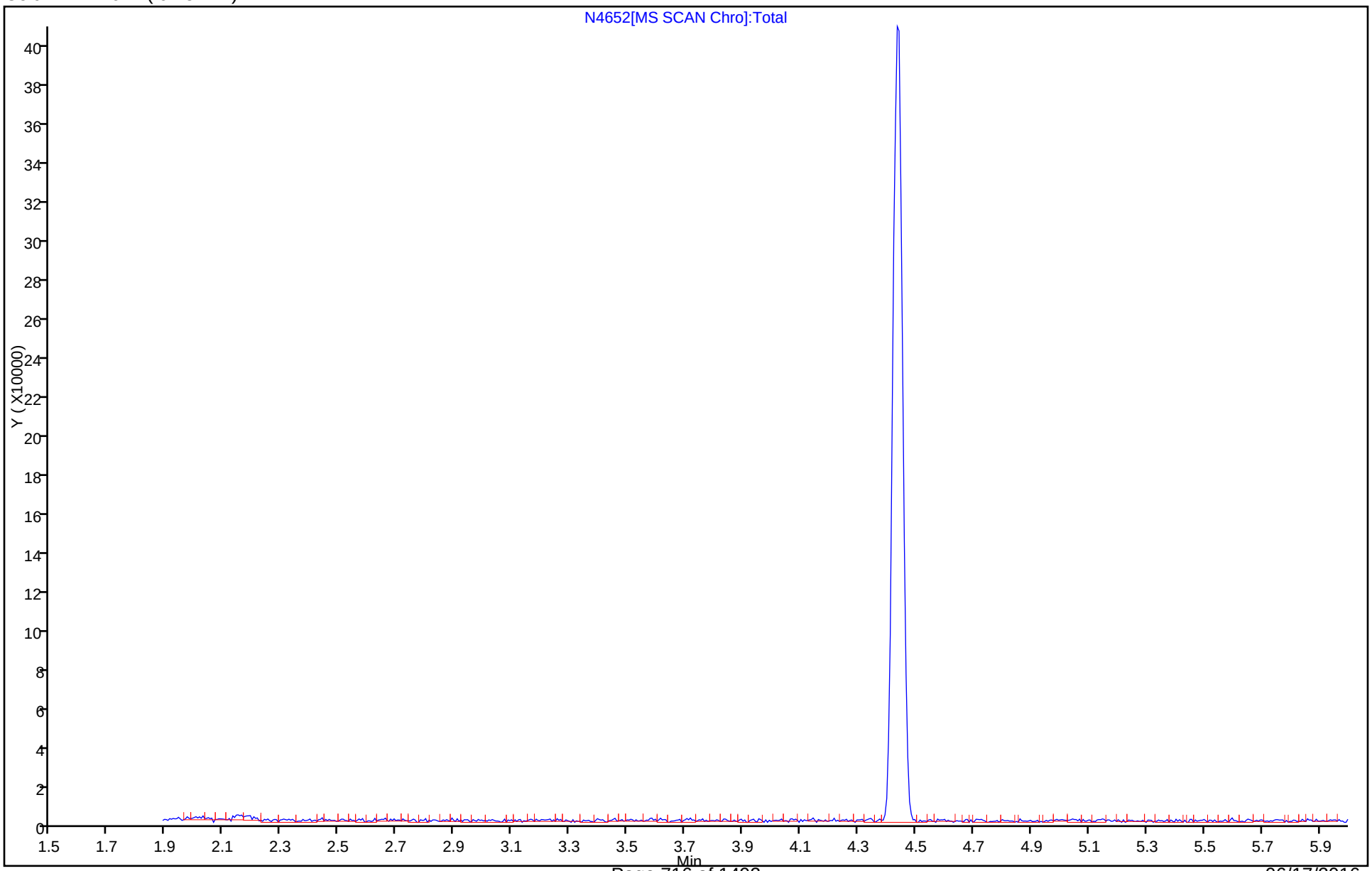
Report Date: 15-Jun-2016 08:40:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160615-54051.b\N4652.D

Injection Date:	15-Jun-2016 08:27:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306491/2-A

Matrix: Solid | Lab File ID: F7179.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 01:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306491/2-A

Matrix: Solid | Lab File ID: F7179.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 01:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	96		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7179.D
Lims ID: MB 480-306491/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Jun-2016 01:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-306491/2-A
Misc. Info.: 480-0054007-007
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:20:27 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 14-Jun-2016 01:20:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	198191	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	407477	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.444	-0.001	96	350126	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.755	0.000	92	225559	50.0	49.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	144921	50.0	50.6	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	844170	50.0	47.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	272413	50.0	48.0	
10 Dichlorodifluoromethane	85		1.848					ND	
11 Chlorodifluoromethane	51		1.860					ND	
12 Chloromethane	50		2.012					ND	
13 Vinyl chloride	62		2.115					ND	
151 Butadiene	54		2.121					ND	
14 Bromomethane	94		2.395					ND	
15 Chloroethane	64		2.462					ND	
16 Dichlorofluoromethane	67		2.620					ND	
17 Trichlorofluoromethane	101		2.645					ND	
18 Ethyl ether	59		2.833					ND	
148 Ethanol	45		2.839					ND	
19 Propene oxide	58		2.924					ND	
20 Acrolein	56		2.991					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022					ND	
22 1,1-Dichloroethene	96		3.046					ND	
23 Acetone	43		3.101					ND	
24 Isopropyl alcohol	45		3.192					ND	
25 Iodomethane	142		3.198					ND	
26 Carbon disulfide	76		3.253					ND	
27 Methyl acetate	43		3.314					ND	
28 3-Chloro-1-propene	41		3.320					ND	
29 Acetonitrile	40		3.350					ND	
31 2-Methyl-2-propanol	59		3.478					ND	
32 Methyl tert-butyl ether	73		3.569					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96		3.612					ND	
33 Acrylonitrile	53		3.624					ND	
134 Halothane	117		3.892					ND	
36 Isopropyl ether	45		3.898					ND	
37 Vinyl acetate	43		3.922					ND	
39 1,1-Dichloroethane	63		3.934					ND	
38 1,1-Dimethoxyethane	75		3.971					ND	
40 2-Chloro-1,3-butadiene	53		3.989					ND	
41 Tert-butyl ethyl ether	59		4.165					ND	
42 Ethyl acetate	43		4.366					ND	
44 2,2-Dichloropropane	77		4.372					ND	
43 2-Butanone (MEK)	43		4.378					ND	
45 cis-1,2-Dichloroethene	96		4.384					ND	
46 Propionitrile	54		4.463					ND	
47 Methacrylonitrile	41		4.555					ND	
48 Chlorobromomethane	128		4.591					ND	
49 Tetrahydrofuran	42		4.610					ND	
50 Chloroform	83		4.622					ND	
51 1,1,1-Trichloroethane	97		4.768					ND	
52 Cyclohexane	56		4.792					ND	
54 1,1-Dichloropropene	75		4.883					ND	
55 Carbon tetrachloride	117		4.889					ND	
53 Isobutyl alcohol	43		4.944					ND	
147 t-Amyl alcohol	59		5.017					ND	
152 Isooctane	57		5.035					ND	
57 Benzene	78		5.066					ND	
56 Tert-amyl methyl ether	73		5.078					ND	
58 1,2-Dichloroethane	62		5.102					ND	
59 n-Heptane	43		5.163					ND	
1 1,4-Difluorobenzene	114		5.345					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.461					ND	
60 n-Butanol	56		5.485					ND	
62 Trichloroethene	95		5.583					ND	
137 Ethyl acrylate	55		5.650					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.656					ND	
64 Methylcyclohexane	83		5.723					ND	
65 1,2-Dichloropropane	63		5.802					ND	
63 Methyl methacrylate	41		5.814					ND	
66 1,4-Dioxane	88		5.905					ND	
67 Dibromomethane	93		5.930					ND	
68 Dichlorobromomethane	83		6.039					ND	
70 2-Nitropropane	43		6.252					ND	
69 2-Chloroethyl vinyl ether	63		6.252					ND	
71 Epichlorohydrin	57		6.368					ND	
72 cis-1,3-Dichloropropene	75		6.416					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520					ND	
77 trans-1,3-Dichloropropene	75		6.933					ND	
75 Ethyl methacrylate	69		6.933					ND	
79 1,1,2-Trichloroethane	83		7.134					ND	
81 Tetrachloroethene	166		7.232					ND	
82 1,3-Dichloropropane	76		7.292					ND	
80 2-Hexanone	43		7.311					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
155 n-Butyl acetate	43		7.390					ND	
83 Chlorodibromomethane	129		7.536					ND	
84 Ethylene Dibromide	107		7.664					ND	
146 1-Chlorohexane	55		8.016					ND	
85 3-Chlorobenzotrifluoride	180		8.022					ND	
86 4-Chlorobenzotrifluoride	180		8.077					ND	
87 Chlorobenzene	112		8.114					ND	
88 Ethylbenzene	91		8.181					ND	
89 1,1,1,2-Tetrachloroethane	131		8.193					ND	
90 m-Xylene & p-Xylene	106		8.296					ND	
91 o-Xylene	106		8.728					ND	
92 Styrene	104		8.746					ND	
93 2-Chlorobenzotrifluoride	180		9.008					ND	
95 Bromoform	173		9.020					ND	
94 Isopropylbenzene	105		9.093					ND	
96 Cyclohexanone	55		9.294					ND	
97 1,1,2,2-Tetrachloroethane	83		9.483					ND	
101 Bromobenzene	156		9.483					ND	
98 trans-1,4-Dichloro-2-buten	53		9.525					ND	
99 N-Propylbenzene	91		9.525					ND	
100 1,2,3-Trichloropropane	110		9.531					ND	
103 2-Chlorotoluene	126		9.653					ND	
102 1,3,5-Trimethylbenzene	105		9.695					ND	
104 3-Chlorotoluene	126		9.713					ND	
105 4-Chlorotoluene	126		9.762					ND	
106 tert-Butylbenzene	134		10.018					ND	
107 1,2,4-Trimethylbenzene	105		10.073					ND	
108 Pentachloroethane	167		10.097					ND	
109 sec-Butylbenzene	105		10.225					ND	
110 4-Isopropyltoluene	119		10.352					ND	
111 1,3-Dichlorobenzene	146		10.383					ND	
114 Dicyclopentadiene	66		10.456					ND	
113 1,4-Dichlorobenzene	146		10.462					ND	
112 1,2,3-Trimethylbenzene	105		10.480					ND	
150 Benzyl chloride	126		10.596					ND	
115 n-Butylbenzene	91		10.730					ND	
116 1,2-Dichlorobenzene	146		10.815					ND	
76 2-Methylthiophene	97		10.900					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496					ND	
118 1,3,5-Trichlorobenzene	180		11.624					ND	
119 1,2,4-Trichlorobenzene	180		12.129					ND	
120 Hexachlorobutadiene	225		12.226					ND	
121 Naphthalene	128		12.354					ND	
122 1,2,3-Trichlorobenzene	180		12.561					ND	
149 2-Methylnaphthalene	142		13.376					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

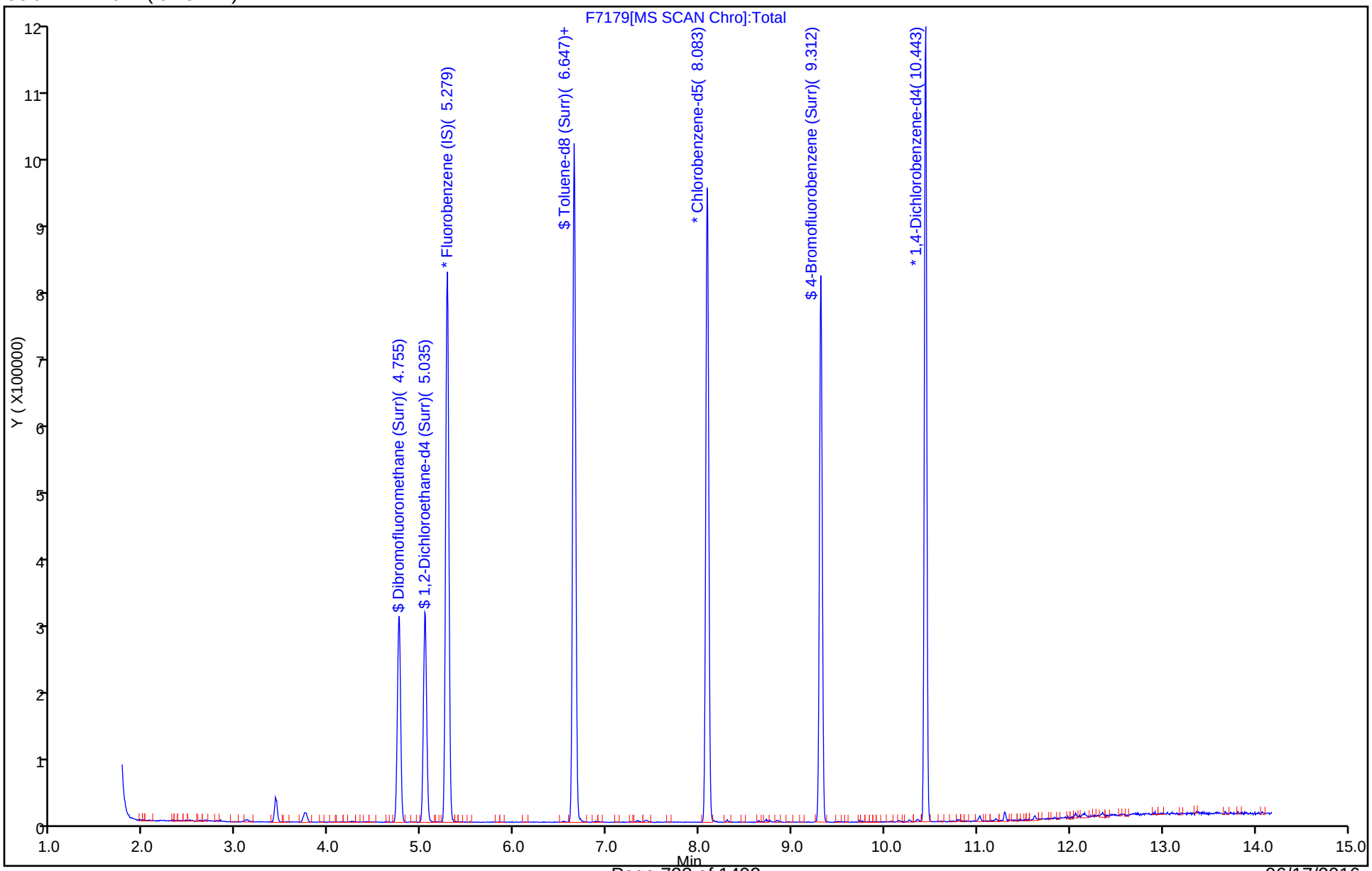
Report Date: 14-Jun-2016 01:20:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7179.D

Injection Date:	14-Jun-2016 01:00:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	MB 480-306491/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7179.D
Lims ID: MB 480-306491/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Jun-2016 01:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-306491/2-A
Misc. Info.: 480-0054007-007
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:20:27 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 14-Jun-2016 01:20:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	49.7	99.36
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.25
$ 5 Toluene-d8 (Surr)	50.0	47.9	95.84
$ 6 4-Bromofluorobenzene (Surr)	50.0	48.0	96.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-306571/2-A

Matrix: Solid Lab File ID: F7204.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5.07(g) Date Analyzed: 06/14/2016 11:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 306570 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.64
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.5
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.39
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.5
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.69
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.66
75-25-2	Bromoform	ND		4.9	2.5
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.5
56-23-5	Carbon tetrachloride	ND		4.9	0.48
108-90-7	Chlorobenzene	ND		4.9	0.65
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.71
110-82-7	Cyclohexane	ND		4.9	0.69
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.41
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306571/2-A

Matrix: Solid | Lab File ID: F7204.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.07(g) | Date Analyzed: 06/14/2016 11:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	3.0
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.75
75-09-2	Methylene Chloride	ND		4.9	2.3
100-42-5	Styrene	ND		4.9	0.25
127-18-4	Tetrachloroethene	ND		4.9	0.66
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.2
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.47
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		64-126
460-00-4	4-Bromofluorobenzene (Surr)	101		72-126
2037-26-5	Toluene-d8 (Surr)	95		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7204.D
Lims ID: MB 480-306571/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Jun-2016 11:59:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-306571/2-A
Misc. Info.: 480-0054020-006
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 13:33:27 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 13:43:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.273	5.279	-0.006	98	184657	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	391499	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	346520	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	92	212067	50.0	50.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	137695	50.0	51.6	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	807560	50.0	47.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	275940	50.0	50.7	
10 Dichlorodifluoromethane	85		1.847					ND	
11 Chlorodifluoromethane	51		1.872					ND	
12 Chloromethane	50		2.006					ND	
13 Vinyl chloride	62		2.115					ND	
151 Butadiene	54		2.121					ND	
14 Bromomethane	94		2.395					ND	
15 Chloroethane	64		2.462					ND	
16 Dichlorofluoromethane	67		2.614					ND	
17 Trichlorofluoromethane	101		2.644					ND	
148 Ethanol	45		2.827					ND	
18 Ethyl ether	59		2.833					ND	
19 Propene oxide	58		2.937					ND	
20 Acrolein	56		2.991					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022					ND	
22 1,1-Dichloroethene	96		3.046					ND	
23 Acetone	43		3.101					ND	
25 Iodomethane	142		3.198					ND	
24 Isopropyl alcohol	45		3.204					ND	
26 Carbon disulfide	76		3.253					ND	
27 Methyl acetate	43		3.314					ND	
28 3-Chloro-1-propene	41		3.320					ND	
29 Acetonitrile	40		3.362					ND	
31 2-Methyl-2-propanol	59		3.478					ND	
32 Methyl tert-butyl ether	73		3.575					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96		3.612					ND	
33 Acrylonitrile	53		3.624					ND	
36 Isopropyl ether	45		3.898					ND	
134 Halothane	117		3.904					ND	
37 Vinyl acetate	43		3.922					ND	
39 1,1-Dichloroethane	63		3.940					ND	
38 1,1-Dimethoxyethane	75		3.977					ND	
40 2-Chloro-1,3-butadiene	53		3.995					ND	
41 Tert-butyl ethyl ether	59		4.178					ND	
43 2-Butanone (MEK)	43		4.372					ND	
44 2,2-Dichloropropane	77		4.372					ND	
42 Ethyl acetate	43		4.372					ND	
45 cis-1,2-Dichloroethene	96		4.384					ND	
46 Propionitrile	54		4.470					ND	
47 Methacrylonitrile	41		4.561					ND	
48 Chlorobromomethane	128		4.585					ND	
49 Tetrahydrofuran	42		4.609					ND	
50 Chloroform	83		4.622					ND	
51 1,1,1-Trichloroethane	97		4.768					ND	
52 Cyclohexane	56		4.792					ND	
54 1,1-Dichloropropene	75		4.883					ND	
55 Carbon tetrachloride	117		4.895					ND	
53 Isobutyl alcohol	43		4.950					ND	
147 t-Amyl alcohol	59		5.023					ND	
152 Isooctane	57		5.035					ND	
57 Benzene	78		5.066					ND	
56 Tert-amyl methyl ether	73		5.084					ND	
58 1,2-Dichloroethane	62		5.102					ND	
59 n-Heptane	43		5.163					ND	
1 1,4-Difluorobenzene	114		5.346					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.467					ND	
60 n-Butanol	56		5.486					ND	
62 Trichloroethene	95		5.583					ND	
137 Ethyl acrylate	55		5.656					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.656					ND	
64 Methylcyclohexane	83		5.717					ND	
65 1,2-Dichloropropane	63		5.802					ND	
63 Methyl methacrylate	41		5.814					ND	
66 1,4-Dioxane	88		5.923					ND	
67 Dibromomethane	93		5.929					ND	
68 Dichlorobromomethane	83		6.045					ND	
69 2-Chloroethyl vinyl ether	63		6.252					ND	
70 2-Nitropropane	43		6.258					ND	
71 Epichlorohydrin	57		6.368					ND	
72 cis-1,3-Dichloropropene	75		6.422					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520					ND	
74 Toluene	92		6.714					ND	
77 trans-1,3-Dichloropropene	75		6.933					ND	
75 Ethyl methacrylate	69		6.939					ND	
79 1,1,2-Trichloroethane	83		7.128					ND	
81 Tetrachloroethene	166		7.231					ND	
82 1,3-Dichloropropane	76		7.292					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
80 2-Hexanone	43		7.310					ND	
155 n-Butyl acetate	43		7.390					ND	
83 Chlorodibromomethane	129		7.536					ND	
84 Ethylene Dibromide	107		7.663					ND	
146 1-Chlorohexane	55		8.016					ND	
85 3-Chlorobenzotrifluoride	180		8.022					ND	
86 4-Chlorobenzotrifluoride	180		8.077					ND	
87 Chlorobenzene	112		8.120					ND	
88 Ethylbenzene	91		8.180					ND	
89 1,1,1,2-Tetrachloroethane	131		8.193					ND	
90 m-Xylene & p-Xylene	106		8.296					ND	
91 o-Xylene	106		8.728					ND	
92 Styrene	104		8.746					ND	
93 2-Chlorobenzotrifluoride	180		9.008					ND	
95 Bromoform	173		9.020					ND	
94 Isopropylbenzene	105		9.093					ND	
96 Cyclohexanone	55		9.294					ND	
97 1,1,2,2-Tetrachloroethane	83		9.476					ND	
101 Bromobenzene	156		9.482					ND	
98 trans-1,4-Dichloro-2-buten	53		9.525					ND	
99 N-Propylbenzene	91		9.525					ND	
100 1,2,3-Trichloropropane	110		9.531					ND	
103 2-Chlorotoluene	126		9.653					ND	
102 1,3,5-Trimethylbenzene	105		9.695					ND	
104 3-Chlorotoluene	126		9.714					ND	
105 4-Chlorotoluene	126		9.762					ND	
106 tert-Butylbenzene	134		10.018					ND	
108 Pentachloroethane	167		10.091					ND	
109 sec-Butylbenzene	105		10.225					ND	
110 4-Isopropyltoluene	119		10.352					ND	
111 1,3-Dichlorobenzene	146		10.383					ND	
114 Dicyclopentadiene	66		10.456					ND	
113 1,4-Dichlorobenzene	146		10.462					ND	
112 1,2,3-Trimethylbenzene	105		10.480					ND	
150 Benzyl chloride	126		10.596					ND	
115 n-Butylbenzene	91		10.729					ND	
116 1,2-Dichlorobenzene	146		10.809					ND	
76 2-Methylthiophene	97		10.900					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496					ND	
118 1,3,5-Trichlorobenzene	180		11.624					ND	
119 1,2,4-Trichlorobenzene	180		12.129					ND	
120 Hexachlorobutadiene	225		12.226					ND	
121 Naphthalene	128		12.354					ND	
122 1,2,3-Trichlorobenzene	180		12.561					ND	
149 2-Methylnaphthalene	142	13.382	13.382	0.000	1	1917		0.1662	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

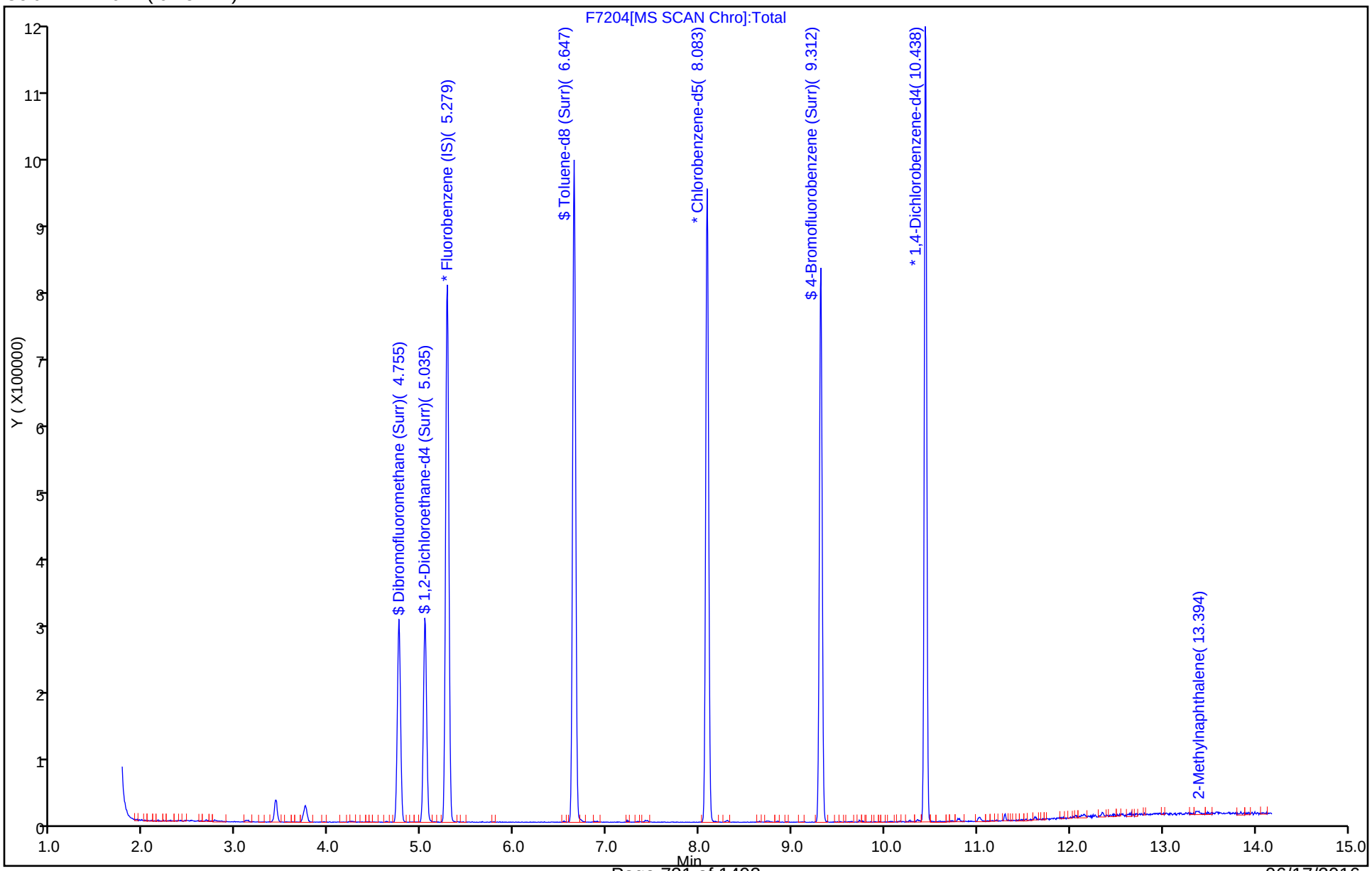
Report Date: 14-Jun-2016 13:43:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7204.D

Injection Date:	14-Jun-2016 11:59:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	MB 480-306571/2-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7204.D
Lims ID: MB 480-306571/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Jun-2016 11:59:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-306571/2-A
Misc. Info.: 480-0054020-006
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 13:33:27 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 13:43:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	50.1	100.26
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	51.6	103.25
$ 5 Toluene-d8 (Surr)	50.0	47.7	95.42
$ 6 4-Bromofluorobenzene (Surr)	50.0	50.7	101.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306673/2-A

Matrix: Solid | Lab File ID: N4633.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.21(g) | Date Analyzed: 06/14/2016 23:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		96	27
79-34-5	1,1,2,2-Tetrachloroethane	ND		96	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		96	48
79-00-5	1,1,2-Trichloroethane	ND		96	20
75-34-3	1,1-Dichloroethane	ND		96	30
75-35-4	1,1-Dichloroethene	ND		96	33
120-82-1	1,2,4-Trichlorobenzene	ND		96	36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		96	48
106-93-4	1,2-Dibromoethane	ND		96	17
95-50-1	1,2-Dichlorobenzene	ND		96	24
107-06-2	1,2-Dichloroethane	ND		96	39
78-87-5	1,2-Dichloropropane	ND		96	16
541-73-1	1,3-Dichlorobenzene	ND		96	26
106-46-7	1,4-Dichlorobenzene	ND		96	13
78-93-3	2-Butanone (MEK)	ND		480	290
591-78-6	2-Hexanone	ND		480	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		480	31
67-64-1	Acetone	ND		480	390
71-43-2	Benzene	ND		96	18
75-27-4	Bromodichloromethane	ND		96	19
75-25-2	Bromoform	ND		96	48
74-83-9	Bromomethane	ND		96	21
75-15-0	Carbon disulfide	ND		96	44
56-23-5	Carbon tetrachloride	ND		96	24
108-90-7	Chlorobenzene	ND		96	13
75-00-3	Chloroethane	ND		96	20
67-66-3	Chloroform	ND		96	66
74-87-3	Chloromethane	ND		96	23
156-59-2	cis-1,2-Dichloroethene	ND		96	26
10061-01-5	cis-1,3-Dichloropropene	ND		96	23
110-82-7	Cyclohexane	ND		96	21
124-48-1	Dibromochloromethane	ND		96	46
75-71-8	Dichlorodifluoromethane	ND		96	42
100-41-4	Ethylbenzene	ND		96	28
98-82-8	Isopropylbenzene	ND		96	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306673/2-A

Matrix: Solid | Lab File ID: N4633.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.21(g) | Date Analyzed: 06/14/2016 23:51

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		96	46
1634-04-4	Methyl tert-butyl ether	ND		96	36
108-87-2	Methylcyclohexane	ND		96	45
75-09-2	Methylene Chloride	ND		96	19
100-42-5	Styrene	ND		96	23
127-18-4	Tetrachloroethene	ND		96	13
108-88-3	Toluene	ND		96	26
156-60-5	trans-1,2-Dichloroethene	ND		96	23
10061-02-6	trans-1,3-Dichloropropene	ND		96	9.4
79-01-6	Trichloroethene	ND		96	27
75-69-4	Trichlorofluoromethane	ND		96	45
75-01-4	Vinyl chloride	ND		96	32
1330-20-7	Xylenes, Total	ND		190	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		53-146
460-00-4	4-Bromofluorobenzene (Surr)	108		49-148
2037-26-5	Toluene-d8 (Surr)	97		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4633.D
Lims ID: MB 480-306673/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Jun-2016 23:51:30 ALS Bottle#: 7 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-306673/2-A
Misc. Info.: 480-0054040-028
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 00:09:46 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK047

First Level Reviewer: fortaing Date: 15-Jun-2016 00:09:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.558	0.000	98	98998	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.557	0.001	90	326861	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	152183	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.968	-0.006	94	107085	25.0	23.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	154472	25.0	25.8	
$ 6 Toluene-d8 (Surr)	98	7.073	7.079	-0.006	95	437747	25.0	24.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	89	133681	25.0	27.1	
11 Dichlorodifluoromethane	85		1.397					ND	
12 Chlorodifluoromethane	51		1.415					ND	
13 Chloromethane	50		1.555					ND	
14 Vinyl chloride	62		1.665					ND	
144 Butadiene	54		1.689					ND	
15 Bromomethane	94		1.963					ND	
16 Chloroethane	64		2.072					ND	
17 Dichlorofluoromethane	67		2.297					ND	
18 Trichlorofluoromethane	101		2.334					ND	
141 Ethanol	45		2.571					ND	
19 Ethyl ether	59		2.589					ND	
81 Propene oxide	58		2.662					ND	
20 Acrolein	56		2.748					ND	
22 1,1-Dichloroethene	96		2.802					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821					ND	
23 Acetone	43		2.900					ND	
24 Iodomethane	142		2.961					ND	
25 Carbon disulfide	76		3.003					ND	
26 Isopropyl alcohol	45		3.076					ND	
27 3-Chloro-1-propene	41		3.167					ND	
29 Acetonitrile	40		3.192					ND	
28 Methyl acetate	43		3.210					ND	
30 Methylene Chloride	84		3.307					ND	
31 2-Methyl-2-propanol	59		3.459					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.532					ND	
33 trans-1,2-Dichloroethene	96		3.545					ND	
34 Acrylonitrile	53		3.563					ND	
35 Hexane	57		3.764					ND	
36 1,1-Dichloroethane	63		3.958					ND	
37 Isopropyl ether	45		3.989					ND	
39 Vinyl acetate	43		4.007					ND	
38 2-Chloro-1,3-butadiene	53		4.025					ND	
40 1,1-Dimethoxyethane	75		4.056					ND	
41 Tert-butyl ethyl ether	59		4.323					ND	
42 2,2-Dichloropropane	77		4.481					ND	
43 cis-1,2-Dichloroethene	96		4.506					ND	
44 2-Butanone (MEK)	43		4.530					ND	
45 Ethyl acetate	43		4.573					ND	
46 Propionitrile	54		4.609					ND	
48 Methacrylonitrile	67		4.737					ND	
47 Chlorobromomethane	128		4.737					ND	
49 Tetrahydrofuran	42		4.767					ND	
50 Chloroform	83		4.816					ND	
51 1,1,1-Trichloroethane	97		4.944					ND	
52 Cyclohexane	56		4.974					ND	
53 Carbon tetrachloride	117		5.090					ND	
54 1,1-Dichloropropene	75		5.096					ND	
56 Isobutyl alcohol	43		5.278					ND	
55 Benzene	78		5.297					ND	
146 Isooctane	57		5.327					ND	
140 t-Amyl alcohol	59		5.345					ND	
57 1,2-Dichloroethane	62		5.345					ND	
58 Tert-amyl methyl ether	73		5.382					ND	
59 n-Heptane	43		5.504					ND	
1 1,4-Difluorobenzene	114		5.668					ND	
61 n-Butanol	56		5.899					ND	
60 Trichloroethene	95		5.911					ND	
145 Ethyl acrylate	55		6.021					ND	
62 Methylcyclohexane	83		6.051					ND	
63 1,2-Dichloropropane	63		6.136					ND	
65 Methyl methacrylate	41		6.240					ND	
64 Dibromomethane	93		6.264					ND	
66 1,4-Dioxane	88		6.276					ND	
67 Dichlorobromomethane	83		6.422					ND	
68 2-Nitropropane	43		6.653					ND	
69 2-Chloroethyl vinyl ether	63		6.696					ND	
70 Epichlorohydrin	57		6.781					ND	
71 cis-1,3-Dichloropropene	75		6.842					ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982					ND	
73 Toluene	92		7.140					ND	
74 2-Methylthiophene	97		7.280					ND	
75 trans-1,3-Dichloropropene	75		7.402					ND	
76 3-Methylthiophene	97		7.444					ND	
77 Ethyl methacrylate	69		7.462					ND	
78 1,1,2-Trichloroethane	83		7.590					ND	
79 Tetrachloroethene	166		7.688					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.754					ND	
82 2-Hexanone	43		7.821					ND	
149 n-Butyl acetate	43		7.943					ND	
83 Chlorodibromomethane	129		7.992					ND	
84 Ethylene Dibromide	107		8.101					ND	
139 1-Chlorohexane	55		8.545					ND	
86 3-Chlorobenzotrifluoride	180		8.557					ND	
85 Chlorobenzene	112		8.588					ND	
87 4-Chlorobenzotrifluoride	180		8.618					ND	
89 1,1,1,2-Tetrachloroethane	131		8.685					ND	
88 Ethylbenzene	91		8.691					ND	
90 m-Xylene & p-Xylene	106		8.813					ND	
91 o-Xylene	106		9.239					ND	
92 Styrene	104		9.263					ND	
93 Bromoform	173		9.494					ND	
94 2-Chlorobenzotrifluoride	180		9.537					ND	
95 Isopropylbenzene	105		9.622					ND	
96 Cyclohexanone	55		9.762					ND	
97 Bromobenzene	156		9.951					ND	
98 1,1,2,2-Tetrachloroethane	83		9.987					ND	
99 1,2,3-Trichloropropane	110		10.024					ND	
101 trans-1,4-Dichloro-2-buten	53		10.036					ND	
100 N-Propylbenzene	91		10.042					ND	
102 2-Chlorotoluene	126		10.139					ND	
103 3-Chlorotoluene	126		10.206					ND	
104 1,3,5-Trimethylbenzene	105		10.218					ND	
105 4-Chlorotoluene	91		10.249					ND	
106 tert-Butylbenzene	134		10.535					ND	
107 Pentachloroethane	167		10.583					ND	
108 1,2,4-Trimethylbenzene	105		10.589					ND	
109 sec-Butylbenzene	105		10.748					ND	
110 1,3-Dichlorobenzene	146		10.869					ND	
111 4-Isopropyltoluene	119		10.881					ND	
112 Dicyclopentadiene	66		10.948					ND	
113 1,4-Dichlorobenzene	146		10.954					ND	
114 1,2,3-Trimethylbenzene	105		10.991					ND	
143 Benzyl chloride	126		11.094					ND	
115 n-Butylbenzene	91		11.265					ND	
116 1,2-Dichlorobenzene	146		11.307					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.019					ND	
118 1,3,5-Trichlorobenzene	180		12.177					ND	
119 1,2,4-Trichlorobenzene	180		12.713					ND	
120 Hexachlorobutadiene	225		12.834					ND	
121 Naphthalene	128		12.925					ND	
122 1,2,3-Trichlorobenzene	180		13.126					ND	
142 2-Methylnaphthalene	142		13.838					ND	
133 Halothane	1		0.000					ND	
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

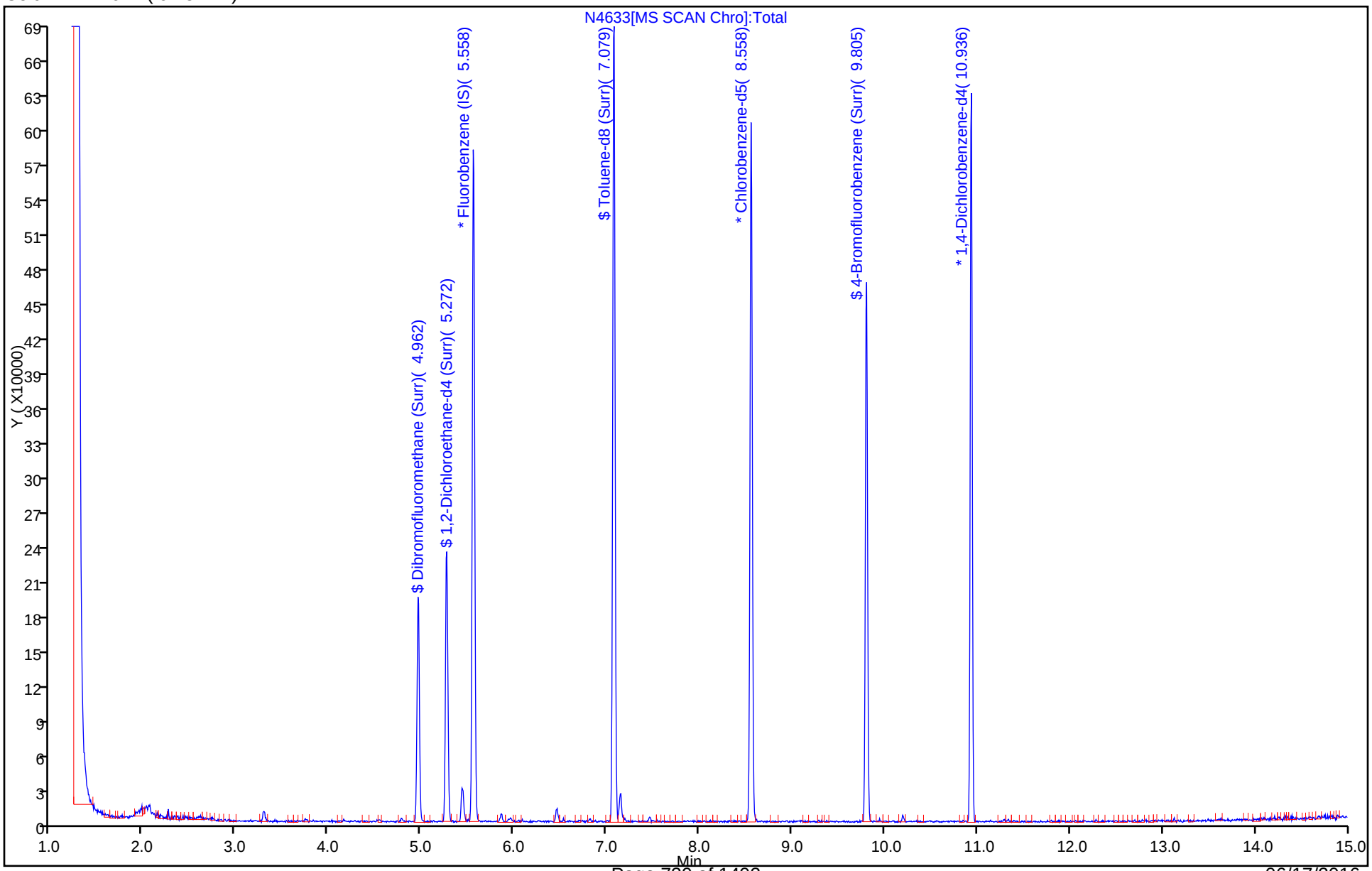
Report Date: 15-Jun-2016 00:09:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4633.D

Injection Date:	14-Jun-2016 23:51:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	MB 480-306673/2-A			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4633.D				
Lims ID:	MB 480-306673/2-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-Jun-2016 23:51:30	ALS Bottle#:	7	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB 480-306673/2-A				
Misc. Info.:	480-0054040-028				
Operator ID:	GF	Instrument ID:	HP5973N		
Method:	\\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Jun-2016 00:09:46	Calib Date:	19-May-2016 01:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK047				

First Level Reviewer: fortaing Date: 15-Jun-2016 00:09:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	23.5	93.85
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.8	103.23
$ 6 Toluene-d8 (Surr)	25.0	24.2	96.61
$ 7 4-Bromofluorobenzene (Surr)	25.0	27.1	108.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306491/1-A

Matrix: Solid | Lab File ID: F7177.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 06/14/2016 00:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	52.7		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	48.2		4.8	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	47.1		4.8	1.1
79-00-5	1,1,2-Trichloroethane	46.3		4.8	0.63
75-34-3	1,1-Dichloroethane	47.8		4.8	0.59
75-35-4	1,1-Dichloroethene	46.3		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	46.1		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	53.9		4.8	2.4
106-93-4	1,2-Dibromoethane	48.9		4.8	0.62
95-50-1	1,2-Dichlorobenzene	47.6		4.8	0.38
107-06-2	1,2-Dichloroethane	52.6		4.8	0.24
78-87-5	1,2-Dichloropropane	45.7		4.8	2.4
541-73-1	1,3-Dichlorobenzene	48.1		4.8	0.25
106-46-7	1,4-Dichlorobenzene	47.3		4.8	0.68
78-93-3	2-Butanone (MEK)	259		24	1.8
591-78-6	2-Hexanone	245		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	238		24	1.6
67-64-1	Acetone	288		24	4.1
71-43-2	Benzene	47.7		4.8	0.24
75-27-4	Bromodichloromethane	51.2		4.8	0.65
75-25-2	Bromoform	50.2		4.8	2.4
74-83-9	Bromomethane	43.7		4.8	0.44
75-15-0	Carbon disulfide	46.2		4.8	2.4
56-23-5	Carbon tetrachloride	53.8		4.8	0.47
108-90-7	Chlorobenzene	46.6		4.8	0.64
75-00-3	Chloroethane	44.1		4.8	1.1
67-66-3	Chloroform	50.3		4.8	0.30
74-87-3	Chloromethane	42.4		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	47.5		4.8	0.62
10061-01-5	cis-1,3-Dichloropropene	49.2		4.8	0.70
110-82-7	Cyclohexane	45.4		4.8	0.68
124-48-1	Dibromochloromethane	50.2		4.8	0.62
75-71-8	Dichlorodifluoromethane	58.3		4.8	0.40
100-41-4	Ethylbenzene	47.3		4.8	0.33
98-82-8	Isopropylbenzene	47.9		4.8	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306491/1-A

Matrix: Solid | Lab File ID: F7177.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 06/14/2016 00:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	248		4.8	2.9
1634-04-4	Methyl tert-butyl ether	50.2		4.8	0.48
108-87-2	Methylcyclohexane	45.8		4.8	0.74
75-09-2	Methylene Chloride	48.3		4.8	2.2
100-42-5	Styrene	46.7		4.8	0.24
127-18-4	Tetrachloroethene	47.4		4.8	0.65
108-88-3	Toluene	46.2		4.8	0.37
156-60-5	trans-1,2-Dichloroethene	47.7		4.8	0.50
10061-02-6	trans-1,3-Dichloropropene	48.6		4.8	2.1
79-01-6	Trichloroethene	49.7		4.8	1.1
75-69-4	Trichlorofluoromethane	51.8		4.8	0.46
75-01-4	Vinyl chloride	42.8		4.8	0.59
1330-20-7	Xylenes, Total	92.4		9.7	0.81

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
2037-26-5	Toluene-d8 (Surr)	96		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7177.D
Lims ID: LCS 480-306491/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 00:08:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306491/1-A
Misc. Info.: 480-0054007-005
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:19:16 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 14-Jun-2016 01:19:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	206811	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	436385	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	385794	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.762	4.755	0.007	92	239257	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	156339	50.0	52.3	
$ 5 Toluene-d8 (Surr)	98	6.648	6.647	0.001	93	901106	50.0	47.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	303153	50.0	49.9	
10 Dichlorodifluoromethane	85	1.854	1.848	0.006	99	389342	50.0	60.2	
12 Chloromethane	50	2.018	2.012	0.006	98	189238	50.0	43.7	
13 Vinyl chloride	62	2.127	2.115	0.012	98	195588	50.0	44.2	
151 Butadiene	54	2.134	2.121	0.013	96	183320	50.0	45.5	
14 Bromomethane	94	2.407	2.395	0.012	93	151434	50.0	45.1	
15 Chloroethane	64	2.468	2.462	0.006	98	113600	50.0	45.5	
16 Dichlorofluoromethane	67	2.632	2.620	0.012	97	369789	50.0	47.9	
17 Trichlorofluoromethane	101	2.675	2.645	0.030	98	445348	50.0	53.5	
18 Ethyl ether	59	2.839	2.833	0.006	89	159232	50.0	44.3	
20 Acrolein	56	2.997	2.991	0.006	99	203868	250.0	233.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.022	0.006	92	256537	50.0	48.6	
22 1,1-Dichloroethene	96	3.052	3.046	0.006	97	244250	50.0	47.8	
23 Acetone	43	3.107	3.101	0.006	98	500057	250.0	297.6	
25 Iodomethane	142	3.204	3.198	0.006	99	467665	50.0	49.2	
26 Carbon disulfide	76	3.259	3.253	0.006	99	886267	50.0	47.7	
27 Methyl acetate	43	3.320	3.314	0.006	95	880778	250.0	255.8	
28 3-Chloro-1-propene	41	3.326	3.320	0.006	74	373781	50.0	48.5	
30 Methylene Chloride	84	3.435	3.429	0.006	87	306519	50.0	49.8	
31 2-Methyl-2-propanol	59	3.484	3.478	0.006	100	307408	500.0	514.5	
32 Methyl tert-butyl ether	73	3.581	3.569	0.012	93	949595	50.0	51.8	
34 trans-1,2-Dichloroethene	96	3.618	3.612	0.006	98	289898	50.0	49.3	
33 Acrylonitrile	53	3.630	3.624	0.006	97	842261	500.0	486.5	
35 Hexane	57	3.752	3.746	0.006	93	411979	50.0	49.9	
37 Vinyl acetate	43	3.928	3.922	0.006	97	1037634	100.0	102.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	3.940	3.934	0.006	96	492821	50.0	49.3	
44 2,2-Dichloropropane	77	4.378	4.372	0.006	79	513036	50.0	52.8	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	96	607556	250.0	267.3	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	83	314649	50.0	49.0	
48 Chlorobromomethane	128	4.597	4.591	0.006	88	146778	50.0	50.8	
49 Tetrahydrofuran	42	4.610	4.610	0.000	70	151932	100.0	102.9	
50 Chloroform	83	4.628	4.622	0.006	94	566332	50.0	51.9	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	522869	50.0	54.4	
52 Cyclohexane	56	4.798	4.792	0.006	87	432039	50.0	46.8	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	95	444214	50.0	51.6	
55 Carbon tetrachloride	117	4.895	4.889	0.006	97	455586	50.0	55.6	
53 Isobutyl alcohol	43	4.956	4.944	0.012	92	269264	1250.0	1255.2	
57 Benzene	78	5.066	5.066	0.000	96	1134252	50.0	49.2	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	97	456096	50.0	54.3	
59 n-Heptane	43	5.163	5.163	0.000	85	374395	50.0	44.1	
62 Trichloroethene	95	5.589	5.583	0.006	97	315629	50.0	51.3	
64 Methylcyclohexane	83	5.723	5.723	0.000	87	511195	50.0	47.3	
65 1,2-Dichloropropane	63	5.802	5.802	0.000	89	243811	50.0	47.1	
66 1,4-Dioxane	88	5.911	5.905	0.006	89	44693	1000.0	1162.7	
67 Dibromomethane	93	5.936	5.930	0.006	96	182313	50.0	51.3	
68 Dichlorobromomethane	83	6.045	6.039	0.006	100	421441	50.0	52.9	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	95	143199	50.0	50.4	
72 cis-1,3-Dichloropropene	75	6.422	6.416	0.006	95	500911	50.0	50.7	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.520	0.006	94	1171359	250.0	245.6	
74 Toluene	92	6.714	6.714	0.000	98	720613	50.0	47.6	
77 trans-1,3-Dichloropropene	75	6.933	6.933	0.000	96	462894	50.0	50.2	
75 Ethyl methacrylate	69	6.940	6.933	0.007	73	375079	50.0	49.8	
79 1,1,2-Trichloroethane	83	7.134	7.134	0.000	94	205256	50.0	47.7	
81 Tetrachloroethene	166	7.232	7.232	0.000	96	320552	50.0	48.9	
82 1,3-Dichloropropane	76	7.292	7.292	0.000	98	440800	50.0	48.7	
80 2-Hexanone	43	7.311	7.311	0.000	94	912695	250.0	252.9	
83 Chlorodibromomethane	129	7.536	7.536	0.000	89	290640	50.0	51.8	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	264729	50.0	50.4	
87 Chlorobenzene	112	8.114	8.114	0.000	93	772608	50.0	48.1	
88 Ethylbenzene	91	8.181	8.181	0.000	98	1377464	50.0	48.8	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	92	292425	50.0	50.5	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	533738	50.0	48.5	
91 o-Xylene	106	8.728	8.728	0.000	96	498775	50.0	46.9	
92 Styrene	104	8.746	8.746	0.000	93	873432	50.0	48.2	
95 Bromoform	173	9.020	9.020	0.000	96	179167	50.0	51.8	
94 Isopropylbenzene	105	9.093	9.093	0.000	97	1319619	50.0	49.4	
101 Bromobenzene	156	9.482	9.483	0.000	94	348422	50.0	49.3	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.483	0.000	91	323475	50.0	49.8	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	61	117898	50.0	54.1	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	1583961	50.0	49.8	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	108256	50.0	51.9	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	302666	50.0	48.4	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	94	1149875	50.0	49.8	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	328017	50.0	50.2	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	252035	50.0	48.9	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	1169423	50.0	50.0	
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1398506	50.0	49.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	1211875	50.0	49.4	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	666786	50.0	49.6	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	93	668354	50.0	48.8	
115 n-Butylbenzene	91	10.724	10.730	-0.006	97	1127159	50.0	50.1	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	617087	50.0	49.1	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	84	71143	50.0	55.6	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	397110	50.0	47.6	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	98	235584	50.0	47.6	
121 Naphthalene	128	12.354	12.354	0.000	97	945571	50.0	48.6	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	366931	50.0	47.9	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

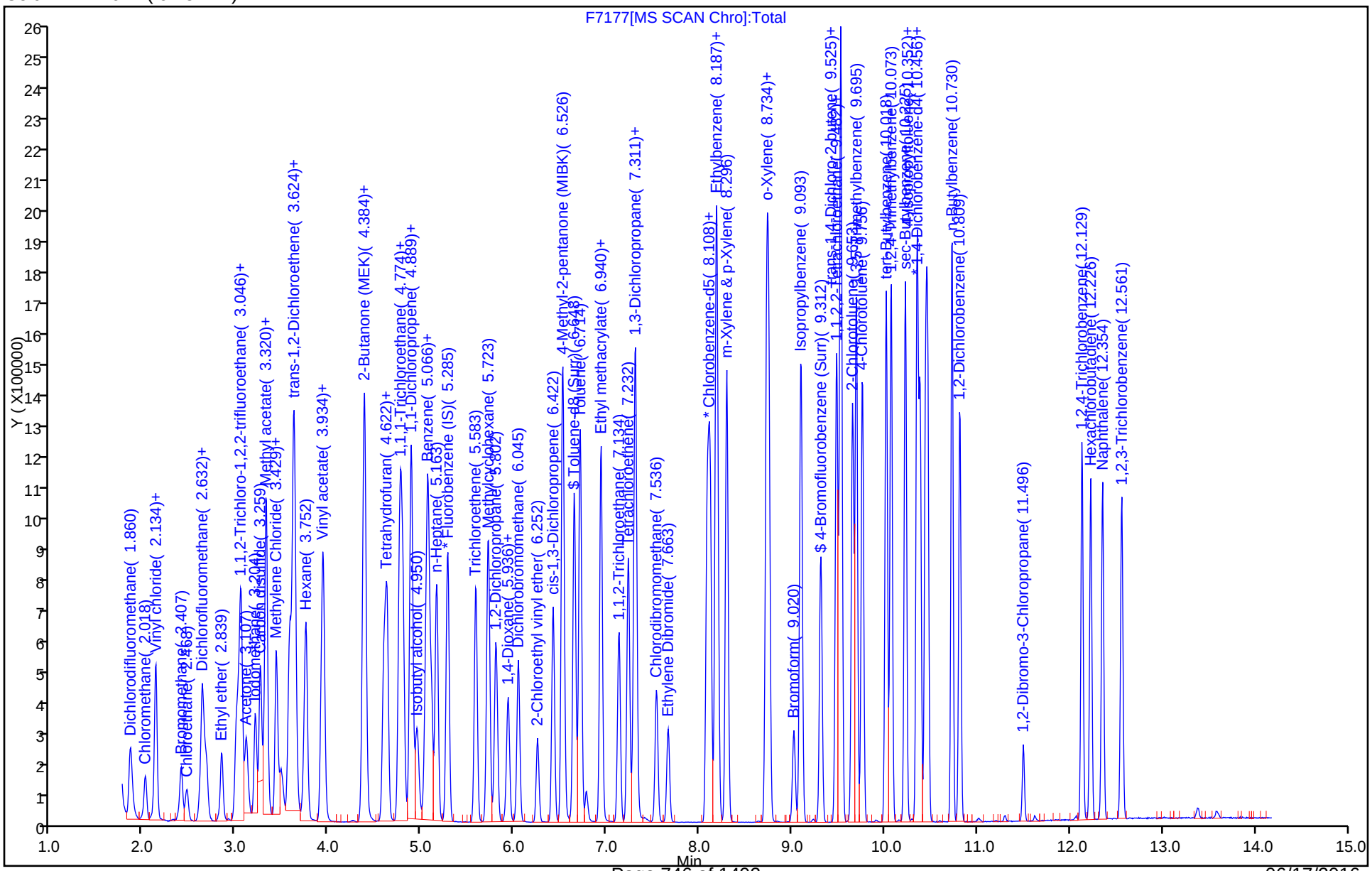
Report Date: 14-Jun-2016 01:19:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7177.D

Injection Date:	14-Jun-2016 00:08:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	LCS 480-306491/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7177.D
Lims ID: LCS 480-306491/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 00:08:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306491/1-A
Misc. Info.: 480-0054007-005
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:19:16 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 14-Jun-2016 01:19:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	50.5	101.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.3	104.67
$ 5 Toluene-d8 (Surr)	50.0	47.8	95.53
$ 6 4-Bromofluorobenzene (Surr)	50.0	49.9	99.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306571/1-A

Matrix: Solid | Lab File ID: F7202.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.05(g) | Date Analyzed: 06/14/2016 11:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	51.6		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	48.2		5.0	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49.0		5.0	1.1
79-00-5	1,1,2-Trichloroethane	46.9		5.0	0.64
75-34-3	1,1-Dichloroethane	45.7		5.0	0.60
75-35-4	1,1-Dichloroethene	47.8		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	46.0		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	54.7		5.0	2.5
106-93-4	1,2-Dibromoethane	49.1		5.0	0.64
95-50-1	1,2-Dichlorobenzene	46.6		5.0	0.39
107-06-2	1,2-Dichloroethane	51.1		5.0	0.25
78-87-5	1,2-Dichloropropane	43.7		5.0	2.5
541-73-1	1,3-Dichlorobenzene	45.7		5.0	0.25
106-46-7	1,4-Dichlorobenzene	45.5		5.0	0.69
78-93-3	2-Butanone (MEK)	267		25	1.8
591-78-6	2-Hexanone	251		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	250		25	1.6
67-64-1	Acetone	306		25	4.2
71-43-2	Benzene	45.5		5.0	0.24
75-27-4	Bromodichloromethane	49.7		5.0	0.66
75-25-2	Bromoform	50.2		5.0	2.5
74-83-9	Bromomethane	46.1		5.0	0.45
75-15-0	Carbon disulfide	44.6		5.0	2.5
56-23-5	Carbon tetrachloride	51.6		5.0	0.48
108-90-7	Chlorobenzene	44.9		5.0	0.65
75-00-3	Chloroethane	45.6		5.0	1.1
67-66-3	Chloroform	49.1		5.0	0.31
74-87-3	Chloromethane	41.5		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	46.4		5.0	0.63
10061-01-5	cis-1,3-Dichloropropene	46.6		5.0	0.71
110-82-7	Cyclohexane	42.6		5.0	0.69
124-48-1	Dibromochloromethane	49.6		5.0	0.63
75-71-8	Dichlorodifluoromethane	51.0		5.0	0.41
100-41-4	Ethylbenzene	45.6		5.0	0.34
98-82-8	Isopropylbenzene	45.7		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306571/1-A

Matrix: Solid | Lab File ID: F7202.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.05(g) | Date Analyzed: 06/14/2016 11:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306570 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	252		5.0	3.0
1634-04-4	Methyl tert-butyl ether	50.8		5.0	0.49
108-87-2	Methylcyclohexane	44.6		5.0	0.75
75-09-2	Methylene Chloride	48.2		5.0	2.3
100-42-5	Styrene	44.7		5.0	0.25
127-18-4	Tetrachloroethene	45.2		5.0	0.66
108-88-3	Toluene	44.6		5.0	0.37
156-60-5	trans-1,2-Dichloroethene	45.7		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	48.3		5.0	2.2
79-01-6	Trichloroethene	47.2		5.0	1.1
75-69-4	Trichlorofluoromethane	51.8		5.0	0.47
75-01-4	Vinyl chloride	42.1		5.0	0.60
1330-20-7	Xylenes, Total	89.5		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	101		72-126
2037-26-5	Toluene-d8 (Surr)	94		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7202.D
Lims ID: LCS 480-306571/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 11:07:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306571/1-A
Misc. Info.: 480-0054020-004
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 13:31:28 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 13:31:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	190406	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	395941	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.444	-0.001	96	358742	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.767	4.762	0.005	92	222147	50.0	50.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	138901	50.0	50.5	
$ 5 Toluene-d8 (Surr)	98	6.653	6.648	0.005	93	808360	50.0	47.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	279339	50.0	50.7	
10 Dichlorodifluoromethane	85	1.866	1.847	0.019	99	306913	50.0	51.5	
12 Chloromethane	50	2.024	2.006	0.018	98	166775	50.0	41.9	
13 Vinyl chloride	62	2.133	2.115	0.018	91	173321	50.0	42.5	
151 Butadiene	54	2.133	2.121	0.012	96	158369	50.0	42.7	
14 Bromomethane	94	2.419	2.395	0.024	93	144001	50.0	46.6	
15 Chloroethane	64	2.474	2.462	0.012	99	105833	50.0	46.1	
16 Dichlorofluoromethane	67	2.632	2.614	0.018	98	344004	50.0	48.4	
17 Trichlorofluoromethane	101	2.656	2.644	0.012	92	400929	50.0	52.3	
18 Ethyl ether	59	2.851	2.833	0.018	88	162372	50.0	49.1	
20 Acrolein	56	3.003	2.991	0.012	99	205088	250.0	254.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.034	3.022	0.012	94	240347	50.0	49.4	
22 1,1-Dichloroethene	96	3.064	3.046	0.018	99	227111	50.0	48.3	
23 Acetone	43	3.113	3.101	0.012	99	477729	250.0	309.0	
25 Iodomethane	142	3.210	3.198	0.012	99	417691	50.0	47.7	
26 Carbon disulfide	76	3.265	3.253	0.012	99	770461	50.0	45.0	
27 Methyl acetate	43	3.326	3.314	0.012	95	805478	250.0	254.1	
28 3-Chloro-1-propene	41	3.332	3.320	0.012	83	318640	50.0	44.9	
30 Methylene Chloride	84	3.435	3.429	0.006	86	276432	50.0	48.7	
31 2-Methyl-2-propanol	59	3.496	3.478	0.018	99	332039	500.0	603.6	
32 Methyl tert-butyl ether	73	3.581	3.575	0.006	93	866986	50.0	51.3	
34 trans-1,2-Dichloroethene	96	3.624	3.612	0.012	98	250195	50.0	46.2	
33 Acrylonitrile	53	3.636	3.624	0.012	97	787984	500.0	494.3	
35 Hexane	57	3.752	3.745	0.007	92	347814	50.0	45.6	
37 Vinyl acetate	43	3.928	3.922	0.006	97	927966	100.0	99.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	3.946	3.940	0.006	96	424887	50.0	46.2	
43 2-Butanone (MEK)	43	4.378	4.372	0.006	97	565037	250.0	270.0	
44 2,2-Dichloropropane	77	4.384	4.372	0.012	71	454196	50.0	50.8	
45 cis-1,2-Dichloroethene	96	4.396	4.384	0.012	82	276722	50.0	46.8	
48 Chlorobromomethane	128	4.597	4.585	0.012	86	133213	50.0	50.1	
49 Tetrahydrofuran	42	4.615	4.609	0.006	78	135553	100.0	99.7	
50 Chloroform	83	4.634	4.622	0.012	94	497690	50.0	49.6	
51 1,1,1-Trichloroethane	97	4.774	4.768	0.006	97	461111	50.0	52.1	
52 Cyclohexane	56	4.798	4.792	0.006	87	365413	50.0	43.0	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	376124	50.0	47.5	
55 Carbon tetrachloride	117	4.895	4.895	0.000	99	393298	50.0	52.1	
53 Isobutyl alcohol	43	4.956	4.950	0.006	93	270199	1250.0	1368.1	
57 Benzene	78	5.072	5.066	0.006	97	975353	50.0	46.0	
58 1,2-Dichloroethane	62	5.108	5.102	0.006	98	399494	50.0	51.6	
59 n-Heptane	43	5.163	5.163	0.000	85	308645	50.0	39.5	
62 Trichloroethene	95	5.589	5.583	0.006	97	270233	50.0	47.7	
64 Methylcyclohexane	83	5.723	5.717	0.006	87	448549	50.0	45.0	
65 1,2-Dichloropropane	63	5.808	5.802	0.006	89	210302	50.0	44.2	
66 1,4-Dioxane	88	5.923	5.923	0.000	93	41021	1000.0	1176.2	M
67 Dibromomethane	93	5.936	5.929	0.007	96	165814	50.0	50.7	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	368174	50.0	50.2	
69 2-Chloroethyl vinyl ether	63	6.258	6.252	0.006	93	124299	50.0	47.5	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	428068	50.0	47.1	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.520	0.006	94	1093193	250.0	252.6	
74 Toluene	92	6.714	6.714	0.000	98	618069	50.0	45.0	
77 trans-1,3-Dichloropropene	75	6.939	6.933	0.006	96	407921	50.0	48.7	
75 Ethyl methacrylate	69	6.939	6.939	0.000	86	331878	50.0	48.6	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	93	184703	50.0	47.3	
81 Tetrachloroethene	166	7.237	7.231	0.006	97	271323	50.0	45.6	
82 1,3-Dichloropropane	76	7.298	7.292	0.006	97	386851	50.0	47.1	
80 2-Hexanone	43	7.310	7.310	0.000	94	828754	250.0	253.1	
83 Chlorodibromomethane	129	7.542	7.536	0.006	90	255100	50.0	50.1	
84 Ethylene Dibromide	107	7.663	7.663	0.000	98	236048	50.0	49.6	
87 Chlorobenzene	112	8.113	8.120	-0.007	96	660755	50.0	45.3	
88 Ethylbenzene	91	8.180	8.180	0.000	98	1179765	50.0	46.0	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.193	0.006	93	262649	50.0	50.0	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	446531	50.0	44.7	
91 o-Xylene	106	8.728	8.728	0.000	97	440731	50.0	45.7	
92 Styrene	104	8.752	8.746	0.006	93	742946	50.0	45.1	
95 Bromoform	173	9.020	9.020	0.000	95	159073	50.0	50.7	
94 Isopropylbenzene	105	9.099	9.093	0.006	96	1147542	50.0	46.2	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.476	0.006	95	294056	50.0	48.7	
101 Bromobenzene	156	9.482	9.482	0.000	94	304411	50.0	46.3	
98 trans-1,4-Dichloro-2-buten	53	9.519	9.525	-0.006	59	103727	50.0	51.2	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	1366095	50.0	46.1	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	99894	50.0	51.5	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	263808	50.0	45.3	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	92	998547	50.0	46.5	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	274012	50.0	45.1	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	221558	50.0	46.3	
107 1,2,4-Trimethylbenzene	105	10.072	10.072	0.000	97	1010434	50.0	46.5	
109 sec-Butylbenzene	105	10.224	10.225	0.000	95	1224235	50.0	46.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.352	10.352	0.000	95	1062949	50.0	46.6	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	577004	50.0	46.2	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	93	585024	50.0	46.0	
115 n-Butylbenzene	91	10.729	10.729	0.000	97	974884	50.0	46.6	
116 1,2-Dichlorobenzene	146	10.815	10.809	0.006	97	549319	50.0	47.0	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	84	65665	50.0	55.2	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	360852	50.0	46.5	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	214094	50.0	46.6	
121 Naphthalene	128	12.354	12.354	0.000	97	901888	50.0	49.9	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	343438	50.0	48.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

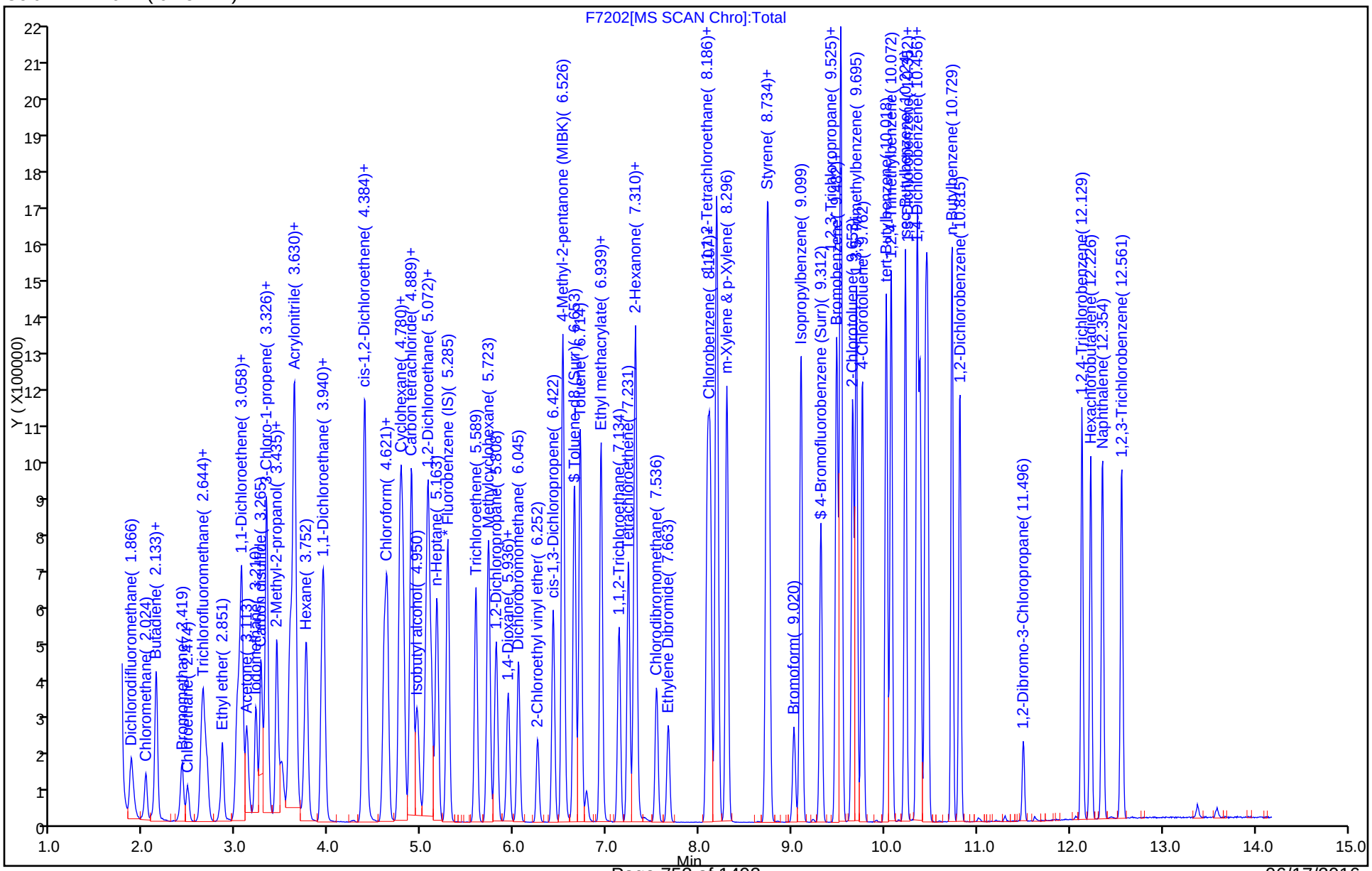
Report Date: 14-Jun-2016 13:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7202.D

Injection Date:	14-Jun-2016 11:07:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	LCS 480-306571/1-A			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F7202.D
Lims ID: LCS 480-306571/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 11:07:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306571/1-A
Misc. Info.: 480-0054020-004
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160614-54020.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 13:31:28 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 13:31:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	50.9	101.85
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	50.5	101.01
$ 5 Toluene-d8 (Surr)	50.0	47.2	94.45
$ 6 4-Bromofluorobenzene (Surr)	50.0	50.7	101.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306673/1-A

Matrix: Solid | Lab File ID: N4630.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.13(g) | Date Analyzed: 06/14/2016 22:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3120		97	27
79-34-5	1,1,2,2-Tetrachloroethane	2300		97	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3070		97	49
79-00-5	1,1,2-Trichloroethane	2660		97	20
75-34-3	1,1-Dichloroethane	2700		97	30
75-35-4	1,1-Dichloroethene	2710		97	34
120-82-1	1,2,4-Trichlorobenzene	2350		97	37
96-12-8	1,2-Dibromo-3-Chloropropane	2070		97	49
106-93-4	1,2-Dibromoethane	2660		97	17
95-50-1	1,2-Dichlorobenzene	2370		97	25
107-06-2	1,2-Dichloroethane	2650		97	40
78-87-5	1,2-Dichloropropane	2820		97	16
541-73-1	1,3-Dichlorobenzene	2460		97	26
106-46-7	1,4-Dichlorobenzene	2410		97	14
78-93-3	2-Butanone (MEK)	13700		490	290
591-78-6	2-Hexanone	14700		490	200
108-10-1	4-Methyl-2-pentanone (MIBK)	12800		490	31
67-64-1	Acetone	10600		490	400
71-43-2	Benzene	2640		97	19
75-27-4	Bromodichloromethane	2630		97	19
75-25-2	Bromoform	2810		97	49
74-83-9	Bromomethane	1920		97	21
75-15-0	Carbon disulfide	2610		97	44
56-23-5	Carbon tetrachloride	3230		97	25
108-90-7	Chlorobenzene	2740		97	13
75-00-3	Chloroethane	2210		97	20
67-66-3	Chloroform	2590		97	67
74-87-3	Chloromethane	2600		97	23
156-59-2	cis-1,2-Dichloroethene	2480		97	27
10061-01-5	cis-1,3-Dichloropropene	2590		97	23
110-82-7	Cyclohexane	3230		97	22
124-48-1	Dibromochloromethane	2820		97	47
75-71-8	Dichlorodifluoromethane	2820		97	42
100-41-4	Ethylbenzene	2570		97	28
98-82-8	Isopropylbenzene	2630		97	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306673/1-A

Matrix: Solid | Lab File ID: N4630.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.13(g) | Date Analyzed: 06/14/2016 22:31

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306675 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	14200		97	46
1634-04-4	Methyl tert-butyl ether	2590		97	37
108-87-2	Methylcyclohexane	2840		97	46
75-09-2	Methylene Chloride	2560		97	19
100-42-5	Styrene	2680		97	23
127-18-4	Tetrachloroethene	2870		97	13
108-88-3	Toluene	2720		97	26
156-60-5	trans-1,2-Dichloroethene	2790		97	23
10061-02-6	trans-1,3-Dichloropropene	2650		97	9.6
79-01-6	Trichloroethene	2830		97	27
75-69-4	Trichlorofluoromethane	3090		97	46
75-01-4	Vinyl chloride	2630		97	33
1330-20-7	Xylenes, Total	5180		190	54

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		53-146
460-00-4	4-Bromofluorobenzene (Surr)	105		49-148
2037-26-5	Toluene-d8 (Surr)	96		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4630.D
Lims ID: LCS 480-306673/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 22:31:30 ALS Bottle#: 4 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-306673/1-A
Misc. Info.: 480-0054040-027
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 22:54:35 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 22:52:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.558	0.006	98	98906	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.557	0.001	89	317458	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	155734	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.968	0.000	92	102646	25.0	22.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	146714	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	421653	25.0	24.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	87	126240	25.0	26.4	
11 Dichlorodifluoromethane	85	1.397	1.397	0.000	99	119217	25.0	29.0	
13 Chloromethane	50	1.555	1.555	0.000	99	201354	25.0	26.7	
14 Vinyl chloride	62	1.665	1.665	0.000	98	155088	25.0	27.0	
144 Butadiene	54	1.683	1.689	-0.006	88	204665	25.0	32.1	
15 Bromomethane	94	1.957	1.963	-0.006	92	54352	25.0	19.7	
16 Chloroethane	64	2.060	2.072	-0.012	97	72572	25.0	22.7	
17 Dichlorofluoromethane	67	2.291	2.297	-0.006	97	170592	25.0	23.8	
18 Trichlorofluoromethane	101	2.316	2.334	-0.018	95	157119	25.0	31.7	
19 Ethyl ether	59	2.590	2.589	0.001	97	139731	25.0	24.1	
20 Acrolein	56	2.748	2.748	0.000	99	170842	125.0	133.2	
22 1,1-Dichloroethene	96	2.802	2.802	0.000	94	112827	25.0	27.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.809	2.821	-0.012	92	109737	25.0	31.5	
23 Acetone	43	2.906	2.900	0.006	100	221221	125.0	109.2	
24 Iodomethane	142	2.948	2.961	-0.013	99	166921	25.0	26.6	
25 Carbon disulfide	76	2.997	3.003	-0.006	100	360126	25.0	26.8	
27 3-Chloro-1-propene	41	3.167	3.167	0.000	92	288236	25.0	29.4	
28 Methyl acetate	43	3.210	3.210	0.000	100	758243	125.0	145.7	
30 Methylene Chloride	84	3.301	3.307	-0.006	95	126847	25.0	26.2	
31 2-Methyl-2-propanol	59	3.478	3.459	0.019	99	100265	250.0	142.5	
32 Methyl tert-butyl ether	73	3.539	3.532	0.007	97	401093	25.0	26.5	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	72	126449	25.0	28.6	
34 Acrylonitrile	53	3.569	3.563	0.006	100	727893	250.0	266.5	
35 Hexane	57	3.758	3.764	-0.006	91	273241	25.0	33.4	
36 1,1-Dichloroethane	63	3.952	3.958	-0.006	96	259435	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	4.007	4.007	0.000	97	791639	50.0	62.5	
42 2,2-Dichloropropane	77	4.475	4.481	-0.006	93	118473	25.0	27.2	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	85	133111	25.0	25.4	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	98	432463	125.0	140.6	
47 Chlorobromomethane	128	4.737	4.737	0.000	88	60070	25.0	26.4	
49 Tetrahydrofuran	42	4.767	4.767	0.000	96	123154	50.0	55.6	
50 Chloroform	83	4.810	4.816	-0.006	95	208956	25.0	26.6	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	183273	25.0	32.0	
52 Cyclohexane	56	4.968	4.974	-0.006	91	307835	25.0	33.2	
53 Carbon tetrachloride	117	5.090	5.090	0.000	97	159628	25.0	33.1	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	93	167842	25.0	28.7	
56 Isobutyl alcohol	43	5.285	5.278	0.007	58	140895	625.0	446.1	
55 Benzene	78	5.297	5.297	0.000	97	493053	25.0	27.1	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	97	193522	25.0	27.2	
59 n-Heptane	43	5.504	5.504	0.000	95	298181	25.0	36.7	
60 Trichloroethene	95	5.905	5.911	-0.006	97	123507	25.0	29.0	
62 Methylcyclohexane	83	6.045	6.051	-0.006	97	217934	25.0	29.1	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	143928	25.0	28.9	
64 Dibromomethane	93	6.270	6.264	0.006	93	75817	25.0	28.1	
66 1,4-Dioxane	88	6.282	6.276	0.006	95	18074	500.0	365.0	
67 Dichlorobromomethane	83	6.422	6.422	0.000	98	152742	25.0	27.0	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	90	92470	25.0	31.1	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	93	194871	25.0	26.6	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	318827	125.0	131.3	
73 Toluene	92	7.146	7.140	0.006	98	306647	25.0	27.9	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	176386	25.0	27.2	
77 Ethyl methacrylate	69	7.462	7.462	0.000	96	150416	25.0	27.2	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	92	84505	25.0	27.3	
79 Tetrachloroethene	166	7.688	7.688	0.000	94	117035	25.0	29.5	
80 1,3-Dichloropropane	76	7.754	7.754	0.000	97	189317	25.0	28.6	
82 2-Hexanone	43	7.821	7.821	0.000	98	549499	125.0	150.5	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	112340	25.0	29.0	
84 Ethylene Dibromide	107	8.101	8.101	0.000	100	104267	25.0	27.3	
85 Chlorobenzene	112	8.588	8.588	0.000	92	316246	25.0	28.1	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.685	-0.006	94	109495	25.0	28.3	
88 Ethylbenzene	91	8.685	8.691	-0.006	99	550846	25.0	26.4	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	214111	25.0	27.6	
91 o-Xylene	106	9.239	9.239	0.000	97	213841	25.0	25.5	
92 Styrene	104	9.263	9.263	0.000	96	347359	25.0	27.5	
93 Bromoform	173	9.488	9.494	-0.006	97	66895	25.0	28.9	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	537466	25.0	26.9	
97 Bromobenzene	156	9.951	9.951	0.000	98	127385	25.0	27.8	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	94	129478	25.0	23.6	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	87	40729	25.0	24.8	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	79	47231	25.0	21.9	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	626292	25.0	26.6	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	116489	25.0	25.3	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	95	444725	25.0	26.0	
105 4-Chlorotoluene	91	10.249	10.249	0.000	99	442496	25.0	25.3	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	89510	25.0	25.3	
108 1,2,4-Trimethylbenzene	105	10.583	10.589	-0.006	98	452219	25.0	25.4	
109 sec-Butylbenzene	105	10.742	10.748	-0.006	95	557175	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	97	230933	25.0	25.3	
111 4-Isopropyltoluene	119	10.881	10.881	0.000	97	461490	25.0	25.8	
113 1,4-Dichlorobenzene	146	10.961	10.954	0.007	93	225278	25.0	24.8	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	419319	25.0	25.0	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	96	212227	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	76	22408	25.0	21.2	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	94	142777	25.0	24.1	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	97	70467	25.0	23.3	
121 Naphthalene	128	12.926	12.925	0.001	98	322826	25.0	20.3	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	93	122480	25.0	23.1	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

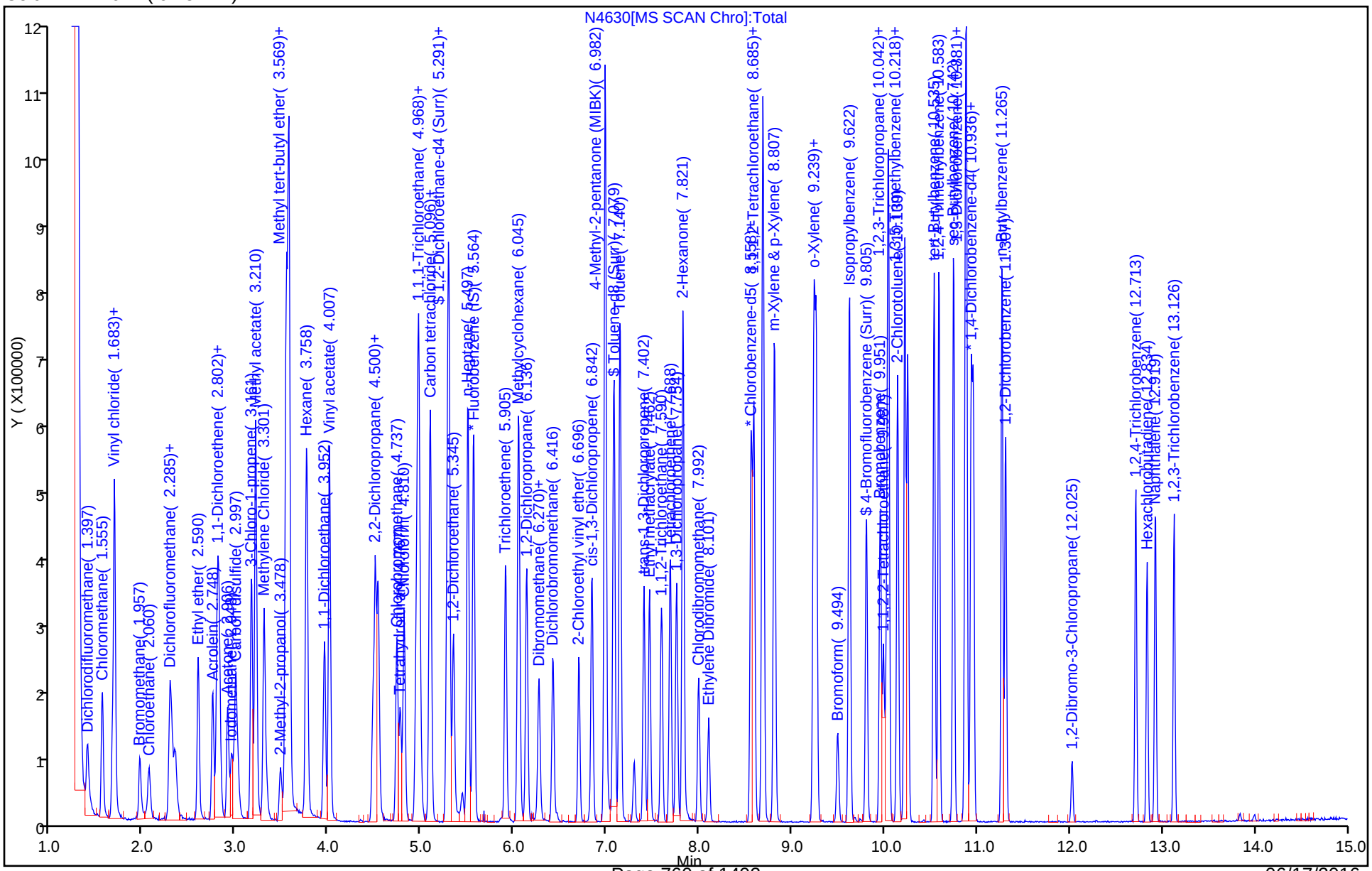
Report Date: 14-Jun-2016 22:54:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4630.D

Injection Date:	14-Jun-2016 22:31:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	LCS 480-306673/1-A			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N4630.D
Lims ID: LCS 480-306673/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 22:31:30 ALS Bottle#: 4 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-306673/1-A
Misc. Info.: 480-0054040-027
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54040.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 22:54:35 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 22:52:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	22.5	90.05
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	98.14
$ 6 Toluene-d8 (Surr)	25.0	24.0	95.81
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.4	105.49

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973N Start Date: 05/18/2016 16:10

Analysis Batch Number: 302462 End Date: 05/19/2016 05:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-302462/2		05/18/2016 16:10	1	N3472.D	ZB-624 (20) 0.18(mm)
IC 480-302462/4		05/18/2016 17:04	1	N3474.D	ZB-624 (20) 0.18(mm)
IC 480-302462/5		05/18/2016 17:31	1	N3475.D	ZB-624 (20) 0.18(mm)
IC 480-302462/6		05/18/2016 17:58	1	N3476.D	ZB-624 (20) 0.18(mm)
IC 480-302462/7		05/18/2016 18:25	1	N3477.D	ZB-624 (20) 0.18(mm)
IC 480-302462/8		05/18/2016 18:51	1	N3478.D	ZB-624 (20) 0.18(mm)
ICIS 480-302462/9		05/18/2016 19:18	1	N3479.D	ZB-624 (20) 0.18(mm)
IC 480-302462/10		05/18/2016 19:45	1	N3480.D	ZB-624 (20) 0.18(mm)
IC 480-302462/11		05/18/2016 20:11	1	N3481.D	ZB-624 (20) 0.18(mm)
MDLV 480-302462/13		05/18/2016 21:05	1		ZB-624 (20) 0.18(mm)
MDLV 480-302462/14		05/18/2016 21:32	1		ZB-624 (20) 0.18(mm)
IC 480-302462/16		05/18/2016 22:25	1		ZB-624 (20) 0.18(mm)
IC 480-302462/17		05/18/2016 22:51	1		ZB-624 (20) 0.18(mm)
IC 480-302462/18		05/18/2016 23:18	1		ZB-624 (20) 0.18(mm)
IC 480-302462/19		05/18/2016 23:45	1		ZB-624 (20) 0.18(mm)
IC 480-302462/20		05/19/2016 00:12	1		ZB-624 (20) 0.18(mm)
IC 480-302462/21		05/19/2016 00:39	1		ZB-624 (20) 0.18(mm)
IC 480-302462/22		05/19/2016 01:06	1		ZB-624 (20) 0.18(mm)
MDLV 480-302462/24		05/19/2016 01:59	1		ZB-624 (20) 0.18(mm)
ICV 480-302462/25		05/19/2016 02:26	1		ZB-624 (20) 0.18(mm)
ICV 480-302462/26		05/19/2016 02:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 03:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 04:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 04:40	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 05:07	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973F Start Date: 06/08/2016 12:11

Analysis Batch Number: 305628 End Date: 06/08/2016 21:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-305628/3		06/08/2016 12:11	1	F7020.D	ZB-624 (30) 0.25(mm)
IC 480-305628/5		06/08/2016 13:08	1	F7022.D	ZB-624 (30) 0.25(mm)
IC 480-305628/6		06/08/2016 13:34	1	F7023.D	ZB-624 (30) 0.25(mm)
IC 480-305628/7		06/08/2016 13:59	1	F7024.D	ZB-624 (30) 0.25(mm)
IC 480-305628/8		06/08/2016 14:25	1	F7025.D	ZB-624 (30) 0.25(mm)
ICIS 480-305628/9		06/08/2016 14:51	1	F7026.D	ZB-624 (30) 0.25(mm)
IC 480-305628/10		06/08/2016 15:17	1	F7027.D	ZB-624 (30) 0.25(mm)
IC 480-305628/11		06/08/2016 15:42	1	F7028.D	ZB-624 (30) 0.25(mm)
IC 480-305628/13		06/08/2016 16:33	1		ZB-624 (30) 0.25(mm)
IC 480-305628/14		06/08/2016 16:58	1		ZB-624 (30) 0.25(mm)
IC 480-305628/15		06/08/2016 17:23	1		ZB-624 (30) 0.25(mm)
IC 480-305628/16		06/08/2016 17:49	1		ZB-624 (30) 0.25(mm)
IC 480-305628/17		06/08/2016 18:14	1		ZB-624 (30) 0.25(mm)
IC 480-305628/18		06/08/2016 18:40	1		ZB-624 (30) 0.25(mm)
IC 480-305628/19		06/08/2016 19:06	1		ZB-624 (30) 0.25(mm)
MDLV 480-305628/21		06/08/2016 19:57	1		ZB-624 (30) 0.25(mm)
MDLV 480-305628/22		06/08/2016 20:23	1		ZB-624 (30) 0.25(mm)
ICV 480-305628/23		06/08/2016 20:49	1		ZB-624 (30) 0.25(mm)
ICV 480-305628/24		06/08/2016 21:14	1		ZB-624 (30) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973F Start Date: 06/13/2016 22:11

Analysis Batch Number: 306490 End Date: 06/14/2016 08:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306490/2		06/13/2016 22:11	1	F7174.D	ZB-624 (30) 0.25(mm)
CCVIS 480-306490/3		06/13/2016 22:44	1	F7175.D	ZB-624 (30) 0.25(mm)
CCV 480-306490/4		06/13/2016 23:10	1		ZB-624 (30) 0.25(mm)
LCS 480-306491/1-A		06/14/2016 00:08	1	F7177.D	ZB-624 (30) 0.25(mm)
MB 480-306491/2-A		06/14/2016 01:00	1	F7179.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 01:30	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 01:55	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 02:21	1		ZB-624 (30) 0.25(mm)
480-101258-23		06/14/2016 02:46	1	F7183.D	ZB-624 (30) 0.25(mm)
480-101258-24		06/14/2016 03:12	1	F7184.D	ZB-624 (30) 0.25(mm)
480-101258-25		06/14/2016 03:38	1	F7185.D	ZB-624 (30) 0.25(mm)
480-101258-26		06/14/2016 04:04	1	F7186.D	ZB-624 (30) 0.25(mm)
480-101258-27		06/14/2016 04:30	1	F7187.D	ZB-624 (30) 0.25(mm)
480-101258-28		06/14/2016 04:56	1	F7188.D	ZB-624 (30) 0.25(mm)
480-101258-29		06/14/2016 05:21	1	F7189.D	ZB-624 (30) 0.25(mm)
480-101258-30		06/14/2016 05:47	1	F7190.D	ZB-624 (30) 0.25(mm)
480-101258-31		06/14/2016 06:12	1	F7191.D	ZB-624 (30) 0.25(mm)
480-101258-32		06/14/2016 06:38	1	F7192.D	ZB-624 (30) 0.25(mm)
480-101258-33		06/14/2016 07:04	1	F7193.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 07:28	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 07:53	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 08:19	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 08:45	1		ZB-624 (30) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973F Start Date: 06/14/2016 09:29

Analysis Batch Number: 306570 End Date: 06/14/2016 22:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306570/1		06/14/2016 09:29	1	F7199.D	ZB-624 (30) 0.25(mm)
CCVIS 480-306570/2		06/14/2016 10:04	1	F7200.D	ZB-624 (30) 0.25(mm)
CCV 480-306570/3		06/14/2016 10:41	1		ZB-624 (30) 0.25(mm)
LCS 480-306571/1-A		06/14/2016 11:07	1	F7202.D	ZB-624 (30) 0.25(mm)
MB 480-306571/2-A		06/14/2016 11:59	1	F7204.D	ZB-624 (30) 0.25(mm)
480-101258-34		06/14/2016 12:34	1	F7205.D	ZB-624 (30) 0.25(mm)
480-101258-35		06/14/2016 13:00	1	F7206.D	ZB-624 (30) 0.25(mm)
480-101258-36		06/14/2016 13:26	1	F7207.D	ZB-624 (30) 0.25(mm)
480-101258-37		06/14/2016 13:51	1	F7208.D	ZB-624 (30) 0.25(mm)
480-101258-38		06/14/2016 14:17	1	F7209.D	ZB-624 (30) 0.25(mm)
480-101258-39		06/14/2016 14:43	1	F7210.D	ZB-624 (30) 0.25(mm)
480-101258-40		06/14/2016 15:08	1	F7211.D	ZB-624 (30) 0.25(mm)
480-101258-41		06/14/2016 15:34	1	F7212.D	ZB-624 (30) 0.25(mm)
480-101258-42		06/14/2016 15:59	1	F7213.D	ZB-624 (30) 0.25(mm)
480-101258-43		06/14/2016 16:25	1	F7214.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 16:51	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 17:17	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 17:42	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 18:08	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 18:33	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 18:59	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 19:24	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 21:08	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 21:34	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 22:00	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 22:25	1		ZB-624 (30) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973N Start Date: 06/14/2016 21:11

Analysis Batch Number: 306675 End Date: 06/15/2016 07:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306675/1		06/14/2016 21:11	1	N4627.D	ZB-624 (20) 0.18(mm)
CCVIS 480-306675/2		06/14/2016 21:37	1	N4628.D	ZB-624 (20) 0.18(mm)
CCV 480-306675/3		06/14/2016 22:04	1		ZB-624 (20) 0.18(mm)
LCS 480-306673/1-A		06/14/2016 22:31	1	N4630.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 22:58	1		ZB-624 (20) 0.18(mm)
RL 480-306675/5		06/14/2016 23:24	1		ZB-624 (20) 0.18(mm)
MB 480-306673/2-A		06/14/2016 23:51	1	N4633.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 00:18	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 00:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 01:11	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 01:38	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 02:05	1		ZB-624 (20) 0.18(mm)
480-101258-39 DL		06/15/2016 02:32	1	N4639.D	ZB-624 (20) 0.18(mm)
480-101258-41 DL		06/15/2016 02:59	1	N4640.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 03:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 03:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 04:19	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 04:46	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 05:13	10		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 05:40	10		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 06:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 07:00	20		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 07:27	20		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 07:54	20		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5973N Start Date: 06/15/2016 08:27

Analysis Batch Number: 306755 End Date: 06/15/2016 19:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306755/1		06/15/2016 08:27	1	N4652.D	ZB-624 (20) 0.18(mm)
CCVIS 480-306755/2		06/15/2016 08:56	1	N4653.D	ZB-624 (20) 0.18(mm)
CCV 480-306755/3		06/15/2016 09:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 09:50	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 10:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 11:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 11:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 12:16	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 12:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 13:10	50		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 13:36	100		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 14:03	50		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 14:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 14:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 15:24	10		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 15:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 16:18	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 16:44	5		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 17:11	1		ZB-624 (20) 0.18(mm)
480-101258-33 DL		06/15/2016 17:38	20	N4672.D	ZB-624 (20) 0.18(mm)
480-101258-35 DL		06/15/2016 18:05	4	N4673.D	ZB-624 (20) 0.18(mm)
480-101258-36 DL		06/15/2016 18:31	1	N4674.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 18:58	5		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 19:25	5		ZB-624 (20) 0.18(mm)
ZZZZZ		06/15/2016 19:52	5		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 306491 Batch Start Date: 06/13/16 21:05 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00075	GAS CORP mix 00160
LCS 480-306491/1		5035, 8260C		25.50 g	30.66 g	5.16 g	5 mL	2.5 uL	2.5 uL
MB 480-306491/2		5035, 8260C		25.08 g	30.11 g	5.03 g	5 mL		
480-101258-A-23	B111-AREA2-S1	5035, 8260C	T	24.98 g	30.01 g	5.03 g	5 mL		
480-101258-A-24	B111-AREA2-S2	5035, 8260C	T	24.98 g	30.02 g	5.04 g	5 mL		
480-101258-A-25	B112-AREA2-S1	5035, 8260C	T	25.28 g	30.33 g	5.05 g	5 mL		
480-101258-A-26	B112-AREA2-S2	5035, 8260C	T	25.13 g	30.28 g	5.15 g	5 mL		
480-101258-A-27	B113-AREA2-S1	5035, 8260C	T	25.32 g	30.46 g	5.14 g	5 mL		
480-101258-A-28	B113-AREA2-S2	5035, 8260C	T	25.04 g	30.04 g	5 g	5 mL		
480-101258-A-29	B114-AREA2-S1	5035, 8260C	T	25.25 g	30.29 g	5.04 g	5 mL		
480-101258-A-30	B114-AREA2-S2	5035, 8260C	T	25.34 g	30.35 g	5.01 g	5 mL		
480-101258-A-31	B101-AREA2-S1	5035, 8260C	T	25.36 g	30.37 g	5.01 g	5 mL		
480-101258-A-32	B101-AREA2-S2	5035, 8260C	T	25.19 g	30.30 g	5.11 g	5 mL		
480-101258-A-33	B102-AREA2-S1	5035, 8260C	T	25.06 g	30.12 g	5.06 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-306491/1		5035, 8260C							
MB 480-306491/2		5035, 8260C							
480-101258-A-23	B111-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-24	B111-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-25	B112-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-26	B112-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-27	B113-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-28	B113-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-29	B114-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-30	B114-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-31	B101-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-32	B101-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-33	B102-AREA2-S1	5035, 8260C	T	bulk					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 306491 Batch Start Date: 06/13/16 21:05 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Batch Notes	
Balance ID	B202613314
Batch Comment	XH27A

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 306571 Batch Start Date: 06/14/16 08:57 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00075	GAS CORP mix 00160
LCS 480-306571/1		5035, 8260C		24.90 g	29.95 g	5.05 g	5 mL	2.5 uL	2.5 uL
MB 480-306571/2		5035, 8260C		25.48 g	30.55 g	5.07 g	5 mL		
480-101258-A-34	B102-AREA2-S2	5035, 8260C	T	25.23 g	30.37 g	5.14 g	5 mL		
480-101258-A-35	B103-AREA2-S1	5035, 8260C	T	25.33 g	30.33 g	5 g	5 mL		
480-101258-A-36	B103-AREA2-S2	5035, 8260C	T	25.27 g	30.30 g	5.03 g	5 mL		
480-101258-A-37	B109-AREA2-S1	5035, 8260C	T	24.91 g	29.92 g	5.01 g	5 mL		
480-101258-A-38	B109-AREA2-S2	5035, 8260C	T	24.93 g	29.94 g	5.01 g	5 mL		
480-101258-A-39	B110-AREA2-S1	5035, 8260C	T	24.94 g	29.95 g	5.01 g	5 mL		
480-101258-A-40	B110-AREA2-S2	5035, 8260C	T	25.02 g	30.14 g	5.12 g	5 mL		
480-101258-A-41	B115-AREA2-S1	5035, 8260C	T	25.05 g	30.05 g	5 g	5 mL		
480-101258-A-42	B115-AREA2-S2	5035, 8260C	T	25.21 g	30.27 g	5.06 g	5 mL		
480-101258-A-43	B-AREA2-DUP5	5035, 8260C	T	25.30 g	30.41 g	5.11 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-306571/1		5035, 8260C							
MB 480-306571/2		5035, 8260C							
480-101258-A-34	B102-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-35	B103-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-36	B103-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-37	B109-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-38	B109-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-39	B110-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-40	B110-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-41	B115-AREA2-S1	5035, 8260C	T	bulk					
480-101258-A-42	B115-AREA2-S2	5035, 8260C	T	bulk					
480-101258-A-43	B-AREA2-DUP5	5035, 8260C	T	bulk					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 306571 Batch Start Date: 06/14/16 08:57 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Batch Notes	
Balance ID	b202613314
Batch Comment	sand xh27a

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 306673 Batch Start Date: 06/14/16 18:51 Batch Analyst: Fortain, Gerald V

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00075	GAS CORP mix 00160
LCS 480-306673/1		5035A, 8260C		19.47 g	24.60 g	5.13 g	10 mL	125 uL	125 uL
MB 480-306673/2		5035A, 8260C		19.62 g	24.83 g	5.21 g	10 mL		
480-101258-A-33	B102-AREA2-S1	5035A, 8260C	T	19.34 g	24.45 g	5.11 g	10 mL		
480-101258-A-35	B103-AREA2-S1	5035A, 8260C	T	19.50 g	24.52 g	5.02 g	10 mL		
480-101258-A-36	B103-AREA2-S2	5035A, 8260C	T	19.27 g	24.50 g	5.23 g	10 mL		
480-101258-A-39	B110-AREA2-S1	5035A, 8260C	T	19.37 g	24.55 g	5.18 g	10 mL		
480-101258-A-41	B115-AREA2-S1	5035A, 8260C	T	19.52 g	24.80 g	5.28 g	10 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-306673/1		5035A, 8260C							
MB 480-306673/2		5035A, 8260C							
480-101258-A-33	B102-AREA2-S1	5035A, 8260C	T	Bulk, ML base					
480-101258-A-35	B103-AREA2-S1	5035A, 8260C	T	Bulk, MLDL					
480-101258-A-36	B103-AREA2-S2	5035A, 8260C	T	Bulk, MLDL					
480-101258-A-39	B110-AREA2-S1	5035A, 8260C	T	Bulk, MLDL					
480-101258-A-41	B115-AREA2-S1	5035A, 8260C	T	Bulk, MLDL					

Batch Notes	
Balance ID	B202613314
Methanol ID	127999
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX2 #	TCX1 #	DCB2 #	DCB1 #
SS21-9	480-101258-1		102		86
SS21-10	480-101258-2		97		82
SS21-11	480-101258-3		103		93
SS21-12	480-101258-4		104		98
SS21-13	480-101258-5		102		96
SS21-14	480-101258-6		103		96
SS21-15	480-101258-7		108		97
SS21-16	480-101258-8		106		106
SS20-9	480-101258-9	120		115	
SS20-10	480-101258-10	128		121	
SS20-11	480-101258-11	137		141	
SS20-12	480-101258-12	127		118	
SS20-13	480-101258-13	131		123	
SS7-9	480-101258-14	145		140	
SS7-10	480-101258-15	151		145	
SS7-11	480-101258-16	154		152	
SS7-12	480-101258-17	152		152	
SS7-13	480-101258-18	148		153	
SS7-14	480-101258-19	147		154	
SS7-15	480-101258-20	122		123	
SS7-DUP2	480-101258-21	150		153	
	MB 480-305614/1-A		115		135
	MB 480-305616/1-A	134		140	
	LCS 480-305614/2-A		129		131
	LCS 480-305616/2-A	144		146	
SS7-15 MS	480-101258-20 MS	153		150	
SS7-15 MSD	480-101258-20 MSD	141		137	

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-154
DCB = DCB Decachlorobiphenyl	65-174

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-5 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
SS-RINSEBLANK2	480-101258-22	91	55
	MB 480-305701/1-A	82	46
	LCS 480-305701/2-A	64	29
SS-RINSEBLANK2 MS	480-101258-22 MS	91	49
SS-RINSEBLANK2 MSD	480-101258-22 MSD	91	38

	QC LIMITS
TCX = Tetrachloro-m-xylene	24-137
DCB = DCB Decachlorobiphenyl	19-125

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 7_06-308.D

Lab ID: LCS 480-305614/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	2.43	3.10	128	51-185	
PCB-1260	2.43	3.24	133	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_365m_334.D

Lab ID: LCS 480-305616/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.98	2.49	126	51-185	
PCB-1260	1.98	2.89	146	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_06-334.D

Lab ID: LCS 480-305701/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	4.00	2.78	70	62-130	
PCB-1260	4.00	2.39	60	56-123	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_365m_335.D

Lab ID: 480-101258-20 MS Client ID: SS7-15 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	2.41	ND	3.35	139	50-177	
PCB-1260	2.41	ND	4.41	183	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_06-335.D

Lab ID: 480-101258-22 MS Client ID: SS-RINSEBLANK2 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
PCB-1016	4.00	ND	3.86	97	28-165	
PCB-1260	4.00	ND	3.40	85	20-141	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_365m_336.D

Lab ID: 480-101258-20 MSD Client ID: SS7-15 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2.49	2.84	114	16	50	50-177	
PCB-1260	2.49	3.95	159	11	50	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 7_06-336.D

Lab ID: 480-101258-22 MSD Client ID: SS-RINSEBLANK2 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	4.00	3.90	98	1	50	28-165	
PCB-1260	4.00	3.34	83	2	50	20-141	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: MB 480-305614/1-A

Matrix: Solid Date Extracted: 06/08/2016 10:08

Lab File ID:(1) 7_06-307.D Lab File ID:(2) 7_06-307.D

Date Analyzed:(1) 06/08/2016 18:27 Date Analyzed:(2) 06/08/2016 18:27

Instrument ID:(1) HP6890-7 Instrument ID:(2) HP6890-7

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-305614/2-A	06/08/2016 18:45	06/08/2016 18:45
SS21-9	480-101258-1	06/08/2016 22:11	06/08/2016 22:11
SS21-10	480-101258-2	06/08/2016 22:29	06/08/2016 22:29
SS21-11	480-101258-3	06/08/2016 22:48	06/08/2016 22:48
SS21-12	480-101258-4	06/08/2016 23:07	06/08/2016 23:07
SS21-13	480-101258-5	06/08/2016 23:25	06/08/2016 23:25
SS21-14	480-101258-6	06/08/2016 23:44	06/08/2016 23:44
SS21-15	480-101258-7	06/09/2016 00:02	06/09/2016 00:02
SS21-16	480-101258-8	06/09/2016 00:21	06/09/2016 00:21

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: MB 480-305616/1-A

Matrix: Solid Date Extracted: 06/08/2016 10:13

Lab File ID:(1) 12_365m_333.D Lab File ID:(2) 12_365m_333.D

Date Analyzed:(1) 06/08/2016 23:26 Date Analyzed:(2) 06/08/2016 23:26

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-35 ID: 0.53(mm) GC Column:(2) ZB-5 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-305616/2-A	06/08/2016 23:41	06/08/2016 23:41
SS7-15 MS	480-101258-20 MS	06/08/2016 23:56	06/08/2016 23:56
SS7-15 MSD	480-101258-20 MSD	06/09/2016 00:12	06/09/2016 00:12
SS7-15	480-101258-20	06/09/2016 00:27	06/09/2016 00:27
SS20-9	480-101258-9	06/09/2016 00:42	06/09/2016 00:42
SS20-10	480-101258-10	06/09/2016 00:58	06/09/2016 00:58
SS20-11	480-101258-11	06/09/2016 01:13	06/09/2016 01:13
SS20-12	480-101258-12	06/09/2016 01:28	06/09/2016 01:28
SS20-13	480-101258-13	06/09/2016 02:07	06/09/2016 02:07
SS7-9	480-101258-14	06/09/2016 02:23	06/09/2016 02:23
SS7-10	480-101258-15	06/09/2016 02:38	06/09/2016 02:38
SS7-11	480-101258-16	06/09/2016 02:53	06/09/2016 02:53
SS7-12	480-101258-17	06/09/2016 03:09	06/09/2016 03:09
SS7-13	480-101258-18	06/09/2016 03:24	06/09/2016 03:24
SS7-14	480-101258-19	06/09/2016 03:40	06/09/2016 03:40
SS7-DUP2	480-101258-21	06/09/2016 03:55	06/09/2016 03:55

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: MB 480-305701/1-A

Matrix: Water Date Extracted: 06/08/2016 15:12

Lab File ID:(1) 7_06-333.D Lab File ID:(2) 7_06-333.D

Date Analyzed:(1) 06/09/2016 02:32 Date Analyzed:(2) 06/09/2016 02:32

Instrument ID:(1) HP6890-7 Instrument ID:(2) HP6890-7

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-305701/2-A	06/09/2016 02:51	06/09/2016 02:51
SS-RINSEBLANK2 MS	480-101258-22 MS	06/09/2016 03:10	06/09/2016 03:10
SS-RINSEBLANK2 MSD	480-101258-22 MSD	06/09/2016 03:28	06/09/2016 03:28
SS-RINSEBLANK2	480-101258-22	06/09/2016 03:47	06/09/2016 03:47

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: ICIS 480-299978/4 Date Analyzed: 05/04/2016 17:39

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_364m_016.D Heated Purge: (Y/N) N

Calibration ID: 27386

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1405777	1.24				
UPPER LIMIT		2811554	1.29				
LOWER LIMIT		702889	1.19				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-305722/4		1446737	1.16				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: ICIS 480-299978/4 Date Analyzed: 05/04/2016 17:39

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_364m_016.D Heated Purge: (Y/N) N

Calibration ID: 27387

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1112534	1.70				
UPPER LIMIT		2225068	1.75				
LOWER LIMIT		556267	1.65				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-305722/4		1152726	1.61				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-305722/4 Date Analyzed: 06/08/2016 16:11

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_365m_310.D Heated Purge: (Y/N) N

Calibration ID: 27398

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1446737	1.16				
UPPER LIMIT		2893474	1.21				
LOWER LIMIT		723369	1.11				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-305722/25		1146187	1.16				
MB 480-305616/1-A		962936	1.16				
LCS 480-305616/2-A		1069717	1.16				
480-101258-20 MS	SS7-15 MS	991035	1.16				
480-101258-20 MSD	SS7-15 MSD	1052607	1.16				
480-101258-20	SS7-15	1045887	1.16				
480-101258-9	SS20-9	1048991	1.16				
480-101258-10	SS20-10	1037661	1.16				
480-101258-11	SS20-11	962867	1.16				
480-101258-12	SS20-12	985975	1.16				
480-101258-13	SS20-13	958304	1.16				
480-101258-14	SS7-9	884272	1.16				
480-101258-15	SS7-10	833808	1.16				
480-101258-16	SS7-11	855001	1.16				
480-101258-17	SS7-12	850252	1.16				
480-101258-18	SS7-13	832941	1.16				
480-101258-19	SS7-14	843331	1.16				
480-101258-21	SS7-DUP2	849147	1.16				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-305722/4 Date Analyzed: 06/08/2016 16:11

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_365m_310.D Heated Purge: (Y/N) N

Calibration ID: 27399

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1152726	1.61				
UPPER LIMIT		2305452	1.66				
LOWER LIMIT		576363	1.56				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-305722/25		908817	1.61				
MB 480-305616/1-A		808001	1.61				
LCS 480-305616/2-A		881709	1.61				
480-101258-20 MS	SS7-15 MS	827452	1.61				
480-101258-20 MSD	SS7-15 MSD	852487	1.61				
480-101258-20	SS7-15	860651	1.61				
480-101258-9	SS20-9	853870	1.61				
480-101258-10	SS20-10	857122	1.61				
480-101258-11	SS20-11	782385	1.61				
480-101258-12	SS20-12	812439	1.61				
480-101258-13	SS20-13	760690	1.61				
480-101258-14	SS7-9	733190	1.61				
480-101258-15	SS7-10	705139	1.61				
480-101258-16	SS7-11	706479	1.61				
480-101258-17	SS7-12	697185	1.61				
480-101258-18	SS7-13	705350	1.61				
480-101258-19	SS7-14	698911	1.61				
480-101258-21	SS7-DUP2	704701	1.61				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: ICIS 480-298867/4 Date Analyzed: 04/28/2016 17:35

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 7_04-099.D Heated Purge: (Y/N) N

Calibration ID: 27241

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		13602863	1.14				
UPPER LIMIT		27205726	1.19				
LOWER LIMIT		6801432	1.09				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-305726/4		12330539	1.11				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: ICIS 480-298867/4 Date Analyzed: 04/28/2016 17:35

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 7_04-099.D Heated Purge: (Y/N) N

Calibration ID: 27242

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		22073161	1.06				
UPPER LIMIT		44146322	1.11				
LOWER LIMIT		11036581	1.01				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-305726/4		20959387	1.04				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-305726/4 Date Analyzed: 06/08/2016 16:21

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 7_06-301.D Heated Purge: (Y/N) N

Calibration ID: 27247

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		12330539	1.11				
UPPER LIMIT		24661078	1.16				
LOWER LIMIT		6165270	1.06				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-305726/5		12007328	1.11				
CCV 480-305726/6		12078583	1.11				
CCV 480-305726/7		12111077	1.11				
CCV 480-305726/8		12269241	1.11				
MB 480-305614/1-A		10545968	1.11				
LCS 480-305614/2-A		10970803	1.11				
480-101258-1	SS21-9	11446729	1.11				
480-101258-2	SS21-10	11808562	1.11				
480-101258-3	SS21-11	11321139	1.11				
480-101258-4	SS21-12	11462092	1.11				
480-101258-5	SS21-13	11179595	1.11				
480-101258-6	SS21-14	11903412	1.12				
480-101258-7	SS21-15	11090143	1.11				
480-101258-8	SS21-16	11342865	1.11				
CCV 480-305726/30		12510034	1.12				
CCV 480-305726/31		12646041	1.12				
CCV 480-305726/32		12388158	1.12				
CCV 480-305726/33		12227777	1.11				
CCV 480-305726/34		12399371	1.11				
MB 480-305701/1-A		10701173	1.12				
LCS 480-305701/2-A		11351189	1.11				
480-101258-22 MS	SS-RINSEBLANK2 MS	11288999	1.11				
480-101258-22 MSD	SS-RINSEBLANK2 MSD	10868349	1.12				
480-101258-22	SS-RINSEBLANK2	11394142	1.11				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Sample No.: CCVIS 480-305726/4 Date Analyzed: 06/08/2016 16:21

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 7_06-301.D Heated Purge: (Y/N) N

Calibration ID: 27248

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		20959387	1.04				
UPPER LIMIT		41918774	1.09				
LOWER LIMIT		10479694	0.99				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-305726/5		20048913	1.04				
CCV 480-305726/6		20334550	1.04				
CCV 480-305726/7		20490760	1.04				
CCV 480-305726/8		20725880	1.04				
MB 480-305614/1-A		18753673	1.04				
LCS 480-305614/2-A		19332445	1.04				
480-101258-1	SS21-9	20344379	1.04				
480-101258-2	SS21-10	20782497	1.04				
480-101258-3	SS21-11	20102701	1.04				
480-101258-4	SS21-12	20315402	1.05				
480-101258-5	SS21-13	19683718	1.05				
480-101258-6	SS21-14	20912120	1.05				
480-101258-7	SS21-15	19683455	1.04				
480-101258-8	SS21-16	19810941	1.04				
CCV 480-305726/30		21180196	1.05				
CCV 480-305726/31		21142384	1.05				
CCV 480-305726/32		20788409	1.05				
CCV 480-305726/33		20498313	1.04				
CCV 480-305726/34		20738691	1.04				
MB 480-305701/1-A		18703593	1.05				
LCS 480-305701/2-A		19595225	1.05				
480-101258-22 MS	SS-RINSEBLANK2 MS	19477250	1.04				
480-101258-22 MSD	SS-RINSEBLANK2 MSD	18934588	1.05				
480-101258-22	SS-RINSEBLANK2	20045893	1.04				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-9 Lab Sample ID: 480-101258-1

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/08/2016 22:11 Date Analyzed (2): 06/08/2016 22:11

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	0.794	1.0	10.2
		2	4.14	4.11	4.17	0.543		
		3	4.21	4.18	4.24	0.865		
		4	4.41	4.38	4.44	1.25		
		5	4.81	4.79	4.85	1.66		
	2	1	3.55	3.52	3.58	0.881	0.92	
		2	3.85	3.82	3.88	0.452		
		3	3.94	3.91	3.97	0.813		
		4	4.07	4.04	4.10	1.02		
		5	4.50	4.47	4.53	1.45		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-10 Lab Sample ID: 480-101258-2

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/08/2016 22:29 Date Analyzed (2): 06/08/2016 22:29

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	0.868	1.0	8.2
		2	4.14	4.11	4.17	0.588		
		3	4.21	4.18	4.24	0.935		
		4	4.41	4.38	4.44	1.21		
		5	4.81	4.79	4.85	1.50		
	2	1	3.55	3.52	3.58	0.970	0.94	
		2	3.85	3.82	3.88	0.493		
		3	3.93	3.91	3.97	0.872		
		4	4.07	4.04	4.10	1.01		
		5	4.50	4.47	4.53	1.34		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-11 Lab Sample ID: 480-101258-3

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/08/2016 22:48 Date Analyzed (2): 06/08/2016 22:48

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	0.646	0.98	9.2
		2	4.13	4.11	4.17	0.502		
		3	4.21	4.18	4.24	0.816		
		4	4.41	4.38	4.44	1.19		
		5	4.81	4.79	4.85	1.73		
	2	1	3.55	3.52	3.58	0.726	0.89	
		2	3.85	3.82	3.88	0.416		
		3	3.94	3.91	3.97	0.771		
		4	4.07	4.04	4.10	1.00		
		5	4.50	4.47	4.53	1.54		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-12 Lab Sample ID: 480-101258-4

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/08/2016 23:07 Date Analyzed (2): 06/08/2016 23:07

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	0.426	0.58	14.1
		2	4.14	4.11	4.17	0.321		
		3	4.21	4.18	4.24	0.523		
		4	4.41	4.38	4.44	0.690		
		5	4.81	4.79	4.85	0.943		
	2	1	3.55	3.52	3.58	0.447	0.50	
		2	3.85	3.82	3.88	0.219		
		3	3.93	3.91	3.97	0.462		
		4	4.07	4.04	4.10	0.571		
		5	4.50	4.47	4.53	0.822		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-13 Lab Sample ID: 480-101258-5

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/08/2016 23:25 Date Analyzed (2): 06/08/2016 23:25

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	0.512	0.45	2.4
		2	4.14	4.11	4.17	0.212		
		3	4.21	4.18	4.24	0.453		
		4	4.41	4.38	4.44	0.428		
		5	4.81	4.79	4.85	0.631		
	2	1	3.54	3.52	3.58	0.544	0.44	
		2	3.85	3.82	3.88	0.197		
		3	3.94	3.91	3.97	0.420		
		4	4.07	4.04	4.10	0.425		
		5	4.50	4.47	4.53	0.597		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-14 Lab Sample ID: 480-101258-6

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/08/2016 23:44 Date Analyzed (2): 06/08/2016 23:44

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	2.38	1.8	5.7
		2	4.14	4.11	4.17	0.788		
		3	4.21	4.18	4.24	1.67		
		4	4.41	4.38	4.44	1.81		
		5	4.81	4.79	4.85	2.40		
	2	1	3.54	3.52	3.58	2.50	1.7	
		2	3.85	3.82	3.88	0.697		
		3	3.94	3.91	3.97	1.52		
		4	4.07	4.04	4.10	1.59		
		5	4.50	4.47	4.53	2.23		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-15 Lab Sample ID: 480-101258-7

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/09/2016 00:02 Date Analyzed (2): 06/09/2016 00:02

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	1.07	1.2	4.7
		2	4.13	4.11	4.17	0.627		
		3	4.21	4.18	4.24	1.08		
		4	4.41	4.38	4.44	1.39		
		5	4.81	4.79	4.85	1.89		
	2	1	3.54	3.52	3.58	1.20	1.2	
		2	3.85	3.82	3.88	0.582		
		3	3.93	3.91	3.97	1.00		
		4	4.07	4.04	4.10	1.23		
		5	4.50	4.47	4.53	1.76		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-16 Lab Sample ID: 480-101258-8

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/09/2016 00:21 Date Analyzed (2): 06/09/2016 00:21

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	3.91	3.89	3.95	0.824	1.1	7.5
		2	4.13	4.11	4.17	0.596		
		3	4.21	4.18	4.24	0.965		
		4	4.41	4.38	4.44	1.27		
		5	4.81	4.79	4.85	1.66		
	2	1	3.55	3.52	3.58	0.920	0.99	
		2	3.85	3.82	3.88	0.490		
		3	3.93	3.91	3.97	0.879		
		4	4.07	4.04	4.10	1.09		
		5	4.50	4.47	4.53	1.54		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-9 Lab Sample ID: 480-101258-9

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 00:42 Date Analyzed (2): 06/09/2016 00:42

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	1.52	3.2	13.2
		2	4.46	4.44	4.50	1.75		
		3	4.55	4.52	4.58	2.65		
		4	4.69	4.65	4.71	3.41		
		5	5.12	5.10	5.16	6.50		
	2	1	3.08	3.06	3.12	1.18	3.6	
		2	3.34	3.33	3.39	2.49		
		3	3.52	3.51	3.57	3.30		
		4	3.72	3.70	3.76	4.54		
		5	3.89	3.88	3.94	6.56		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-10 Lab Sample ID: 480-101258-10

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 00:58 Date Analyzed (2): 06/09/2016 00:58

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	1.20	2.8	18.0
		2	4.46	4.44	4.50	1.36		
		3	4.55	4.52	4.58	2.07		
		4	4.69	4.65	4.71	3.20		
		5	5.12	5.10	5.16	6.10		
	2	1	3.08	3.06	3.12	1.25	3.3	
		2	3.35	3.33	3.39	2.10		
		3	3.52	3.51	3.57	3.17		
		4	3.72	3.70	3.76	4.07		
		5	3.90	3.88	3.94	6.10		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-11 Lab Sample ID: 480-101258-11

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 01:13 Date Analyzed (2): 06/09/2016 01:13

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	0.578	1.6	16.4
		2	4.46	4.44	4.50	0.716		
		3	4.55	4.52	4.58	1.21		
		4	4.69	4.65	4.71	1.73		
		5	5.12	5.10	5.16	3.85		
	2	1	3.08	3.06	3.12	0.326	1.9	
		2	3.35	3.33	3.39	1.23		
		3	3.53	3.51	3.57	1.74		
		4	3.72	3.70	3.76	2.42		
		5	3.90	3.88	3.94	3.80		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-12 Lab Sample ID: 480-101258-12

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 01:28 Date Analyzed (2): 06/09/2016 01:28

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	0.305	0.84	21.5
		2	4.46	4.44	4.50	0.257		
		3	4.55	4.52	4.58	0.627		
		4	4.69	4.65	4.71	0.994		
		5	5.12	5.10	5.16	2.04		
	2	1	3.08	3.06	3.12	0.427	1.0	
		2	3.35	3.33	3.39	0.630		
		3	3.53	3.51	3.57	1.01		
		4	3.72	3.70	3.76	1.29		
		5	3.90	3.88	3.94	1.89		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-13 Lab Sample ID: 480-101258-13

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 02:07 Date Analyzed (2): 06/09/2016 02:07

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.16	4.12	4.18	0.609	1.6	12.5
		2	4.47	4.44	4.50	0.830		
		3	4.56	4.52	4.58	1.29		
		4	4.70	4.65	4.71	1.70		
		5	5.13	5.10	5.16	3.62		
	2	1	3.10	3.06	3.12	0.865	1.8	
		2	3.36	3.33	3.39	1.18		
		3	3.54	3.51	3.57	1.55		
		4	3.73	3.70	3.76	2.21		
		5	3.91	3.88	3.94	3.32		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-9 Lab Sample ID: 480-101258-14

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 02:23 Date Analyzed (2): 06/09/2016 02:23

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	0.604	0.82	39.7
		2	4.47	4.44	4.50	0.338		
		3	4.56	4.52	4.58	0.697		
		4	4.69	4.65	4.71	1.04		
		5	5.13	5.10	5.16	1.42		
	2	1	3.09	3.06	3.12	0.857	1.2	
		2	3.35	3.33	3.39	0.883		
		3	3.53	3.51	3.57	1.34		
		4	3.72	3.70	3.76	1.38		
		5	3.90	3.88	3.94	1.67		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-11 Lab Sample ID: 480-101258-16

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 02:53 Date Analyzed (2): 06/09/2016 02:53

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	2.47	2.7	29.2
		2	4.46	4.44	4.50	2.28		
		3	4.55	4.52	4.58	2.72		
		4	4.68	4.65	4.71	1.50		
		5	5.12	5.10	5.16	4.31		
	2	1	3.08	3.06	3.12	3.20	3.6	
		2	3.35	3.33	3.39	3.00		
		3	3.53	3.51	3.57	3.49		
		4	3.72	3.70	3.76	3.83		
		5	3.90	3.88	3.94	4.30		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-12 Lab Sample ID: 480-101258-17

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 03:09 Date Analyzed (2): 06/09/2016 03:09

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	3	4.55	4.52	4.58	0.198	0.28	28.8
		4	4.69	4.65	4.71	0.326		
		5	5.13	5.10	5.16	0.478		
	2	1	3.08	3.06	3.12	0.257	0.38	
		2	3.35	3.33	3.39	0.251		
		3	3.53	3.51	3.57	0.471		
		4	3.72	3.70	3.76	0.429		
		5	3.90	3.88	3.94	0.470		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-13 Lab Sample ID: 480-101258-18

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 03:24 Date Analyzed (2): 06/09/2016 03:24

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	0.403	0.51	32.7
		2	4.46	4.44	4.50	0.127		
		3	4.55	4.52	4.58	0.386		
		4	4.69	4.65	4.71	0.706		
		5	5.13	5.10	5.16	0.922		
	2	1	3.08	3.06	3.12	0.518	0.71	
		2	3.35	3.33	3.39	0.499		
		3	3.53	3.51	3.57	0.888		
		4	3.72	3.70	3.76	0.716		
		5	3.90	3.88	3.94	0.915		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-14 Lab Sample ID: 480-101258-19

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 03:40 Date Analyzed (2): 06/09/2016 03:40

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	1.30	1.5	25.5
		2	4.46	4.44	4.50	1.03		
		3	4.55	4.52	4.58	1.32		
		4	4.69	4.65	4.71	1.68		
		5	5.12	5.10	5.16	2.21		
	2	1	3.08	3.06	3.12	2.33	1.9	
		2	3.35	3.33	3.39	1.47		
		3	3.53	3.51	3.57	1.86		
		4	3.72	3.70	3.76	1.93		
		5	3.90	3.88	3.94	2.15		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-15 Lab Sample ID: 480-101258-20

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 00:27 Date Analyzed (2): 06/09/2016 00:27

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	0.361	0.53	2.7
		2	4.46	4.44	4.50	0.236		
		3	4.55	4.52	4.58	0.413		
		4	4.69	4.65	4.71	0.636		
		5	5.12	5.10	5.16	1.03		
	2	1	3.08	3.06	3.12	0.375	0.55	
		2	3.35	3.33	3.39	0.437		
		3	3.53	3.51	3.57	0.643		
		4	3.72	3.70	3.76	0.585		
		5	3.90	3.88	3.94	0.703		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-15 MS Lab Sample ID: 480-101258-20 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/08/2016 23:56 Date Analyzed (2): 06/08/2016 23:56

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.61	2.58	2.64	2.36	2.80	17.7
		2	2.93	2.90	2.96	3.30		
		3	3.15	3.12	3.18	3.21		
		4	3.24	3.21	3.27	2.58		
		5	3.36	3.33	3.39	2.57		
	2	1	1.80	1.77	1.83	3.74	3.35	
		2	2.13	2.10	2.16	3.61		
		3	2.28	2.25	2.31	3.09		
		4	2.35	2.32	2.38	3.07		
		5	2.39	2.36	2.42	3.24		
PCB-1254	1	1	4.15	4.12	4.18	2.12	2.75	29.8
		2	4.46	4.44	4.50	0.725		
		3	4.56	4.52	4.58	2.17		
		4	4.70	4.65	4.71	3.80		
		5	5.12	5.10	5.16	4.92		
	2	1	3.08	3.06	3.12	2.55	3.71	
		2	3.34	3.33	3.39	1.75		
		3	3.52	3.51	3.57	4.24		
		4	3.72	3.70	3.76	4.06		
		5	3.89	3.88	3.94	5.95		
PCB-1260	1	1	5.12	5.09	5.15	5.28	4.27	3.2
		2	5.45	5.41	5.47	4.38		
		3	5.51	5.48	5.54	4.17		
		4	5.57	5.54	5.60	3.89		
		5	5.95	5.92	5.98	3.63		
	2	1	3.89	3.87	3.93	5.91	4.41	
		2	4.02	3.99	4.05	3.87		
		3	4.20	4.17	4.23	4.00		
		4	4.39	4.36	4.42	4.00		
		5	4.61	4.59	4.65	4.25		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-15 MSD Lab Sample ID: 480-101258-20 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 00:12 Date Analyzed (2): 06/09/2016 00:12

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.61	2.58	2.64	1.88	2.44	15.2
		2	2.93	2.90	2.96	3.02		
		3	3.15	3.12	3.18	3.05		
		4	3.24	3.21	3.27	2.19		
		5	3.36	3.33	3.39	2.06		
	2	1	1.80	1.77	1.83	3.36	2.84	
		2	2.13	2.10	2.16	3.23		
		3	2.28	2.25	2.31	2.51		
		4	2.35	2.32	2.38	2.49		
		5	2.39	2.36	2.42	2.61		
PCB-1254	1	1	4.15	4.12	4.18	1.95	2.49	24.6
		2	4.46	4.44	4.50	0.683		
		3	4.56	4.52	4.58	1.84		
		4	4.70	4.65	4.71	3.51		
		5	5.12	5.10	5.16	4.46		
	2	1	3.08	3.06	3.12	2.03	3.19	
		2	3.34	3.33	3.39	1.47		
		3	3.52	3.51	3.57	3.67		
		4	3.72	3.70	3.76	3.53		
		5	3.89	3.88	3.94	5.23		
PCB-1260	1	1	5.12	5.09	5.15	4.79	3.92	0.9
		2	5.45	5.41	5.47	4.07		
		3	5.51	5.48	5.54	3.78		
		4	5.57	5.54	5.60	3.60		
		5	5.95	5.92	5.98	3.36		
	2	1	3.89	3.87	3.93	5.19	3.95	
		2	4.02	3.99	4.05	3.49		
		3	4.20	4.17	4.23	3.58		
		4	4.39	4.36	4.42	3.61		
		5	4.61	4.59	4.65	3.90		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-DUP2 Lab Sample ID: 480-101258-21

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/09/2016 03:55 Date Analyzed (2): 06/09/2016 03:55

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.15	4.12	4.18	2.67	2.9	25.4
		2	4.46	4.44	4.50	2.20		
		3	4.55	4.52	4.58	2.67		
		4	4.69	4.65	4.71	3.01		
		5	5.12	5.10	5.16	3.87		
	2	1	3.08	3.06	3.12	4.85	3.7	
		2	3.35	3.33	3.39	3.03		
		3	3.52	3.51	3.57	3.36		
		4	3.72	3.70	3.76	3.45		
		5	3.90	3.88	3.94	3.89		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS-RINSEBLANK2 MS Lab Sample ID: 480-101258-22 MS

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/09/2016 03:10 Date Analyzed (2): 06/09/2016 03:10

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.60	2.57	2.63	3.76	3.86	8.7
		2	2.75	2.72	2.78	3.75		
		3	2.95	2.92	2.98	3.92		
		4	3.04	3.01	3.07	3.89		
		5	3.10	3.07	3.13	3.98		
	2	1	2.34	2.31	2.37	3.68	3.54	
		2	2.65	2.62	2.68	3.55		
		3	2.77	2.74	2.80	3.51		
		4	2.86	2.83	2.89	3.35		
		5	3.14	3.11	3.17	3.61		
PCB-1260	1	1	4.81	4.78	4.84	3.90	3.40	1.2
		2	4.94	4.91	4.97	3.26		
		3	5.13	5.10	5.16	3.35		
		4	5.33	5.31	5.37	3.23		
		5	5.58	5.55	5.61	3.25		
	2	1	4.50	4.47	4.53	4.11	3.44	
		2	4.55	4.52	4.58	3.60		
		3	4.81	4.78	4.84	3.05		
		4	4.95	4.92	4.98	3.44		
		5	5.28	5.25	5.31	2.98		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS-RINSEBLANK2 MSD Lab Sample ID: 480-101258-22 MSD

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/09/2016 03:28 Date Analyzed (2): 06/09/2016 03:28

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.60	2.57	2.63	3.61	3.90	0.1
		2	2.75	2.72	2.78	3.89		
		3	2.95	2.92	2.98	4.05		
		4	3.04	3.01	3.07	3.95		
		5	3.10	3.07	3.13	4.02		
	2	1	2.34	2.31	2.37	4.18	3.91	
		2	2.65	2.62	2.68	3.81		
		3	2.77	2.74	2.80	3.99		
		4	2.86	2.83	2.89	3.60		
		5	3.14	3.11	3.17	3.94		
PCB-1260	1	1	4.81	4.78	4.84	3.92	3.34	1.4
		2	4.94	4.91	4.97	3.20		
		3	5.13	5.10	5.16	3.27		
		4	5.34	5.31	5.37	3.12		
		5	5.58	5.55	5.61	3.19		
	2	1	4.50	4.47	4.53	4.15	3.29	
		2	4.55	4.52	4.58	3.48		
		3	4.81	4.78	4.84	2.97		
		4	4.95	4.92	4.98	3.21		
		5	5.28	5.25	5.31	2.67		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-305614/2-A

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/08/2016 18:45 Date Analyzed (2): 06/08/2016 18:45

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.60	2.57	2.63	2.91	3.10	4.2
		2	2.75	2.72	2.78	2.94		
		3	2.95	2.92	2.98	3.33		
		4	3.04	3.01	3.07	3.14		
		5	3.10	3.07	3.13	3.17		
	2	1	2.34	2.31	2.37	3.08	2.97	
		2	2.65	2.62	2.68	2.98		
		3	2.77	2.74	2.80	2.94		
		4	2.86	2.83	2.89	2.86		
		5	3.14	3.11	3.17	2.97		
PCB-1260	1	1	4.81	4.78	4.84	3.42	3.24	2.4
		2	4.94	4.91	4.97	3.16		
		3	5.13	5.10	5.16	3.15		
		4	5.34	5.31	5.37	3.27		
		5	5.58	5.55	5.61	3.20		
	2	1	4.50	4.47	4.53	3.33	3.16	
		2	4.55	4.52	4.58	3.36		
		3	4.81	4.78	4.84	2.75		
		4	4.95	4.92	4.98	3.34		
		5	5.28	5.25	5.31	3.03		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-305616/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 06/08/2016 23:41 Date Analyzed (2): 06/08/2016 23:41

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.61	2.58	2.64	1.67	2.03	20.5
		2	2.93	2.90	2.96	2.44		
		3	3.14	3.12	3.18	2.38		
		4	3.24	3.21	3.27	1.83		
		5	3.36	3.33	3.39	1.82		
	2	1	1.80	1.77	1.83	2.82	2.49	
		2	2.13	2.10	2.16	2.69		
		3	2.28	2.25	2.31	2.23		
		4	2.35	2.32	2.38	2.23		
		5	2.39	2.36	2.42	2.48		
PCB-1260	1	1	5.12	5.09	5.15	2.99	2.89	0.2
		2	5.44	5.41	5.47	3.00		
		3	5.51	5.48	5.54	2.77		
		4	5.57	5.54	5.60	2.90		
		5	5.95	5.92	5.98	2.77		
	2	1	3.89	3.87	3.93	3.13	2.89	
		2	4.02	3.99	4.05	2.67		
		3	4.20	4.17	4.23	2.79		
		4	4.39	4.36	4.42	2.89		
		5	4.61	4.59	4.65	2.98		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-305701/2-A

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 06/09/2016 02:51 Date Analyzed (2): 06/09/2016 02:51

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.60	2.57	2.63	2.67	2.78	7.1
		2	2.75	2.72	2.78	2.66		
		3	2.95	2.92	2.98	2.85		
		4	3.04	3.01	3.07	2.88		
		5	3.10	3.07	3.13	2.87		
	2	1	2.34	2.31	2.37	2.76	2.59	
		2	2.65	2.62	2.68	2.65		
		3	2.77	2.74	2.80	2.60		
		4	2.86	2.83	2.89	2.48		
		5	3.14	3.11	3.17	2.48		
PCB-1260	1	1	4.81	4.78	4.84	2.82	2.39	0.7
		2	4.94	4.91	4.97	2.31		
		3	5.13	5.10	5.16	2.36		
		4	5.34	5.31	5.37	2.21		
		5	5.58	5.55	5.61	2.27		
	2	1	4.50	4.47	4.53	2.88	2.38	
		2	4.55	4.52	4.58	2.49		
		3	4.81	4.78	4.84	2.15		
		4	4.95	4.92	4.98	2.37		
		5	5.28	5.25	5.31	1.98		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-9 | Lab Sample ID: 480-101258-1

Matrix: Solid | Lab File ID: 7_06-319.D

Analysis Method: 8082A | Date Collected: 06/06/2016 10:33

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.12(g) | Date Analyzed: 06/08/2016 22:11

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.32	0.062
11104-28-2	PCB-1221	ND		0.32	0.062
11141-16-5	PCB-1232	ND		0.32	0.062
53469-21-9	PCB-1242	ND		0.32	0.062
12672-29-6	PCB-1248	ND		0.32	0.062
11097-69-1	PCB-1254	1.0		0.32	0.15
11096-82-5	PCB-1260	ND		0.32	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		60-154
2051-24-3	DCB Decachlorobiphenyl	86		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-319.D
Lims ID: 480-101258-A-1-A
Client ID: SS21-9
Sample Type: Client
Inject. Date: 08-Jun-2016 22:11:06 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:49:02 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:49:02

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.112	1.109	0.003	11446729	0.5000	
2	1.043	1.040	0.002	20344379	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.019	2.020	-0.001	666963	0.0204	
2	1.637	1.638	-0.001	881363	0.0177	
					RPD = 14.14	
11 PCB-1254						
1	3.912	3.915	-0.003	152309	0.1242	
1	4.136	4.135	0.001	67767	0.0850	
1	4.214	4.214	0.000	196948	0.1354	
1	4.411	4.413	-0.001	286459	0.1953	
1	4.813	4.815	-0.002	315511	0.2592	
		Average of Peak Amounts =			0.1598	
2	3.548	3.548	0.000	287855	0.1378	
2	3.849	3.848	0.001	105584	0.0707	
2	3.935	3.935	0.000	409904	0.1273	
2	4.068	4.066	0.002	523387	0.1599	
2	4.501	4.502	-0.001	608761	0.2262	
		Average of Peak Amounts =			0.1444	
					RPD = 10.16	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.578	5.643	-0.065	52457	NC	
2	4.882	4.878	0.004	123518	NC	
4 1260 Res 2						
1	5.641	5.691	-0.050	12167	NC	
2	5.006	5.061	-0.055	23622	NC	
3 1260 Res 3						
1	5.808	5.808	-0.001	1383	NC	
2	4.950	5.000	-0.050	163014	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.964	6.965	-0.001	300849	0.0172	
2	6.340	6.339	0.001	609289	0.0168	
					RPD = 2.35	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

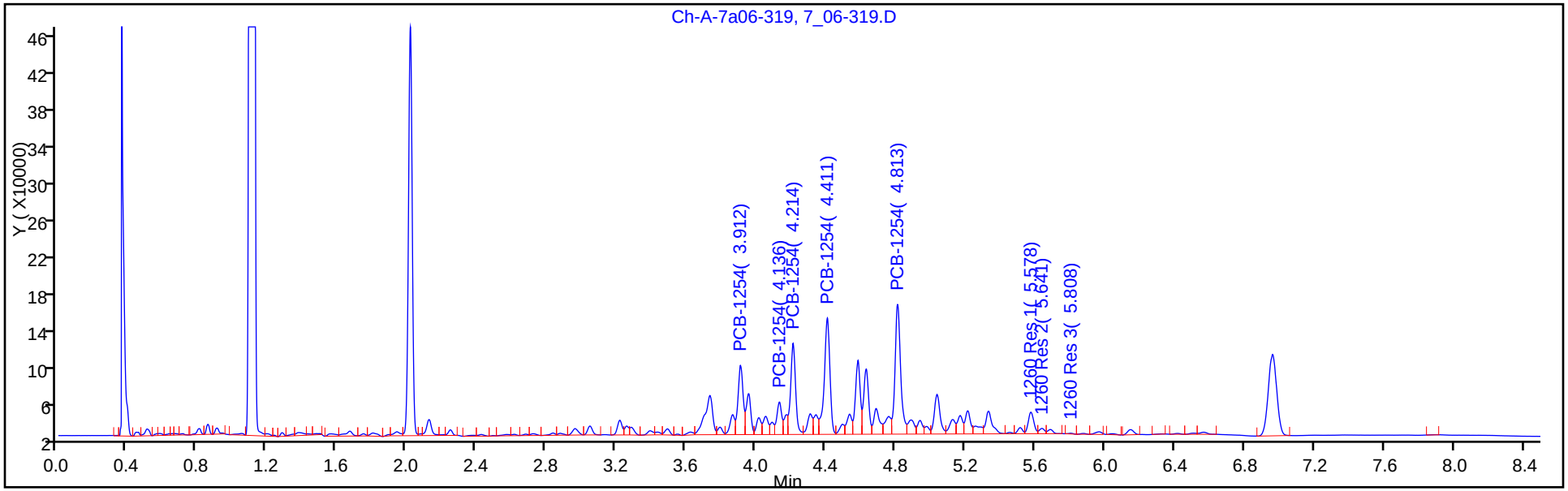
Report Date: 09-Jun-2016 02:49:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

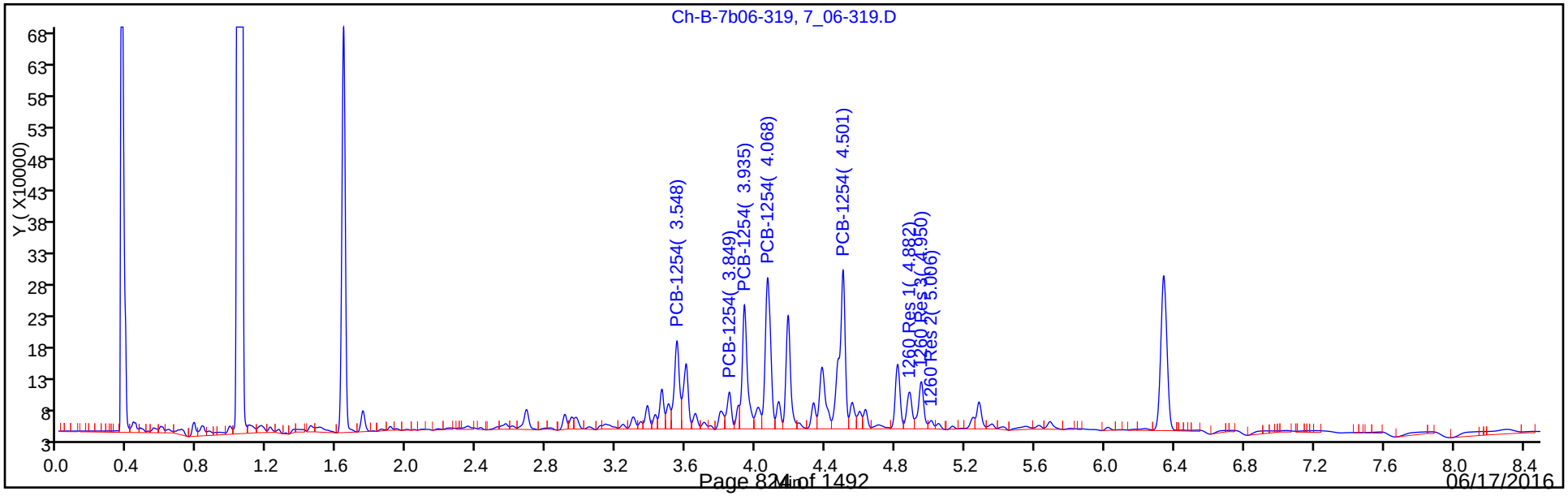
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-319.D

Injection Date:	08-Jun-2016 22:11:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-1-A	Lab Sample ID:	480-101258-1	Worklist Smp#:	22
Client ID:	SS21-9				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-319.D				
Lims ID:	480-101258-A-1-A				
Client ID:	SS21-9				
Sample Type:	Client				
Inject. Date:	08-Jun-2016 22:11:06	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:49:02	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:49:02		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0204	101.86
$ 15 DCB Decachlorobiphenyl	0.0200	0.0172	86.05

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0177	88.41
$ 15 DCB Decachlorobiphenyl	0.0200	0.0168	84.05

Report Date: 09-Jun-2016 02:49:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

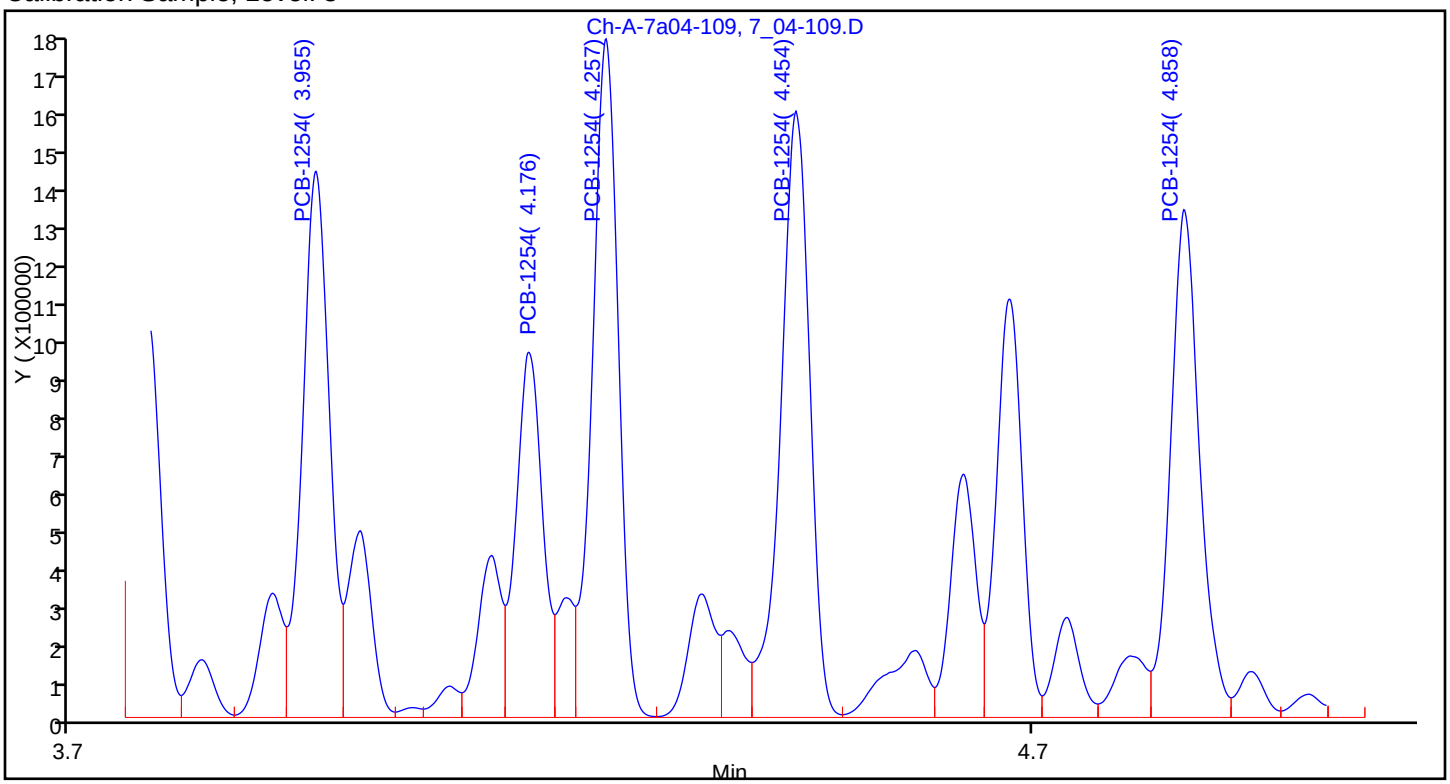
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-319.D

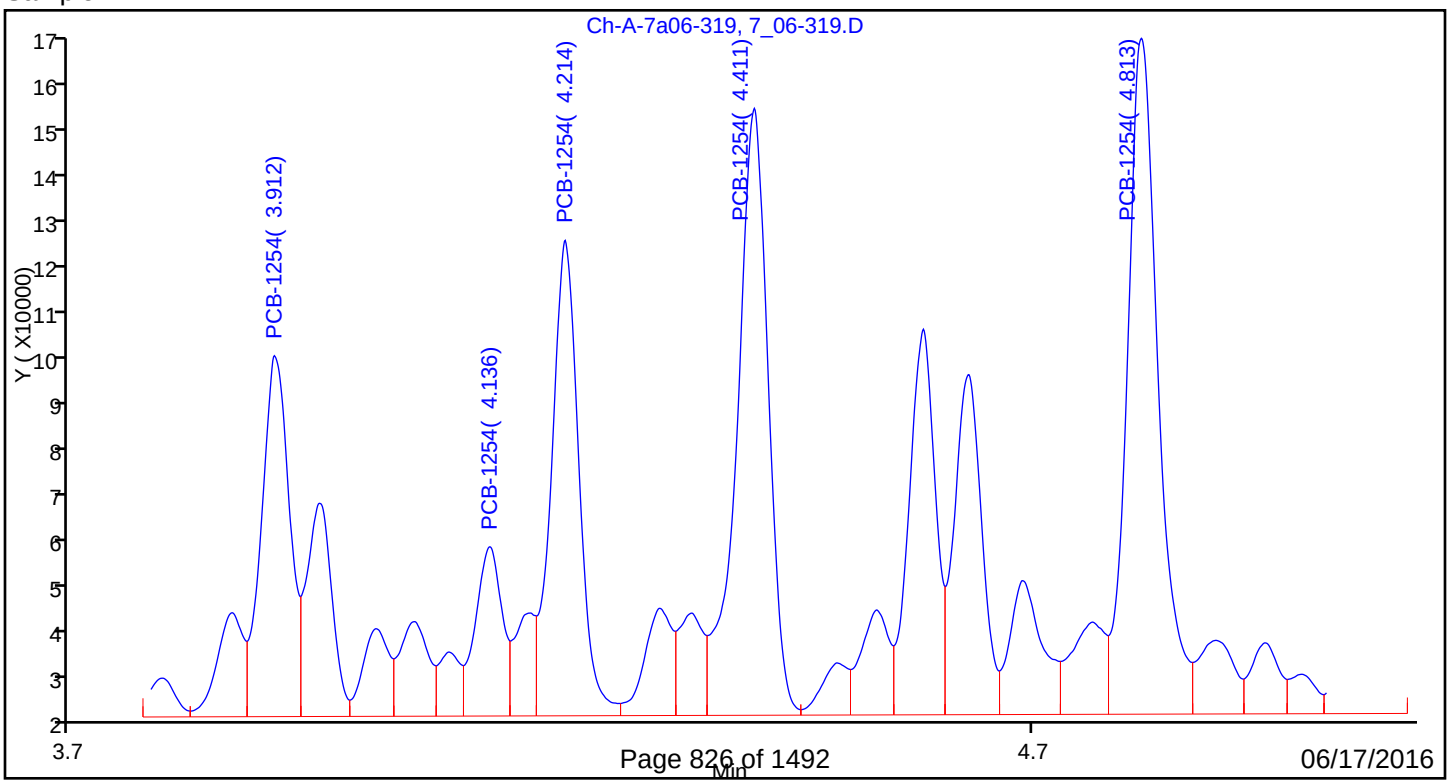
Injection Date:	08-Jun-2016 22:11:06	Instrument ID:	HP6890-7
Lims ID:	480-101258-A-1-A	Lab Sample ID:	480-101258-1
Client ID:	SS21-9		
Operator ID:	BufTCHROM	ALS Bottle#:	0 Worklist Smp#: 22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL
Column:		Detector	Ch-A-7A136

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-10 | Lab Sample ID: 480-101258-2

Matrix: Solid | Lab File ID: 7_06-320.D

Analysis Method: 8082A | Date Collected: 06/06/2016 10:36

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.26(g) | Date Analyzed: 06/08/2016 22:29

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 24.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.29	0.057
11104-28-2	PCB-1221	ND		0.29	0.057
11141-16-5	PCB-1232	ND		0.29	0.057
53469-21-9	PCB-1242	ND		0.29	0.057
12672-29-6	PCB-1248	ND		0.29	0.057
11097-69-1	PCB-1254	1.0		0.29	0.14
11096-82-5	PCB-1260	ND		0.29	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		60-154
2051-24-3	DCB Decachlorobiphenyl	82		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-320.D
Lims ID: 480-101258-A-2-A
Client ID: SS21-10
Sample Type: Client
Inject. Date: 08-Jun-2016 22:29:37 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:49:47 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:49:47

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.112	1.109	0.003	11808562	0.5000	
2	1.043	1.040	0.002	20782497	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.019	2.020	-0.001	655171	0.0194	
2	1.636	1.638	-0.002	870695	0.0171	
					RPD = 12.60	
11 PCB-1254						
1	3.913	3.915	-0.003	188370	0.1489	
1	4.135	4.135	0.000	83009	0.1010	
1	4.213	4.214	-0.001	240947	0.1606	
1	4.411	4.413	-0.001	312944	0.2069	
1	4.813	4.815	-0.002	322662	0.2569	
		Average of Peak Amounts =			0.1749	
2	3.547	3.548	-0.001	355292	0.1665	
2	3.848	3.848	0.000	128972	0.0846	
2	3.934	3.935	-0.001	492253	0.1496	
2	4.068	4.066	0.002	582189	0.1741	
2	4.500	4.502	-0.002	634656	0.2308	
		Average of Peak Amounts =			0.1611	
					RPD = 8.17	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.578	5.643	-0.065	48598	NC	
2	4.881	4.878	0.003	121362	NC	
4 1260 Res 2						
1	5.642	5.691	-0.049	10759	NC	
2	5.006	5.061	-0.055	20005	NC	
3 1260 Res 3						
1	5.810	5.808	0.002	1352	NC	
2	4.948	5.000	-0.052	154891	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.963	6.965	-0.003	297517	0.0165	
2	6.339	6.339	0.000	610336	0.0165	
					RPD = 0.05	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

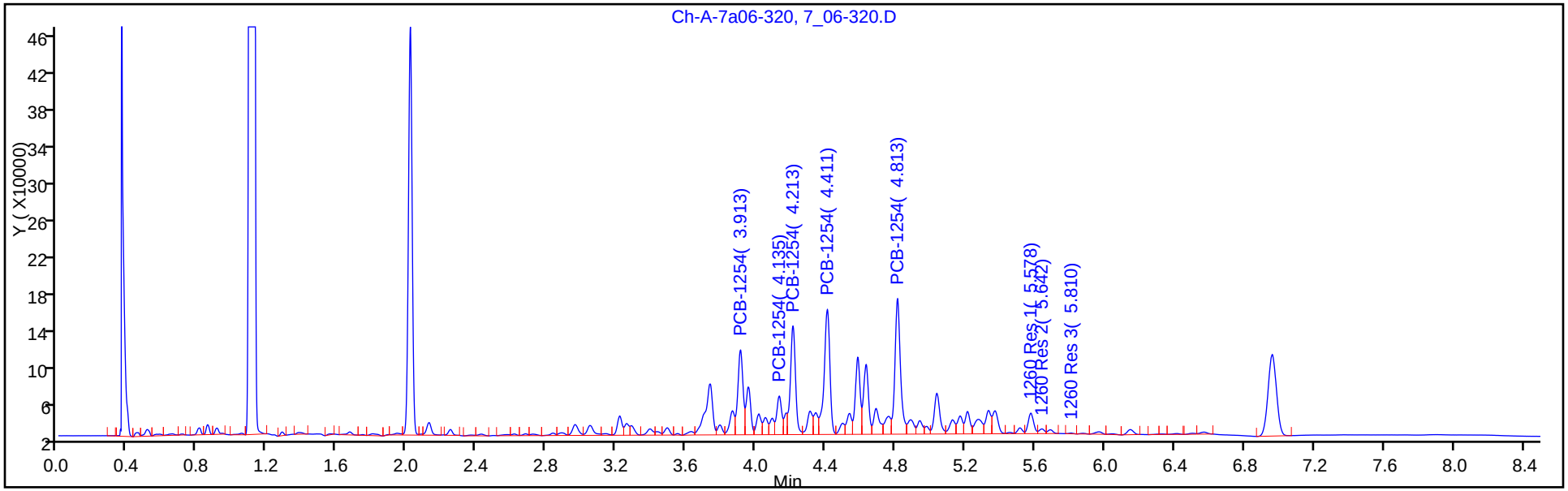
Report Date: 09-Jun-2016 02:49:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

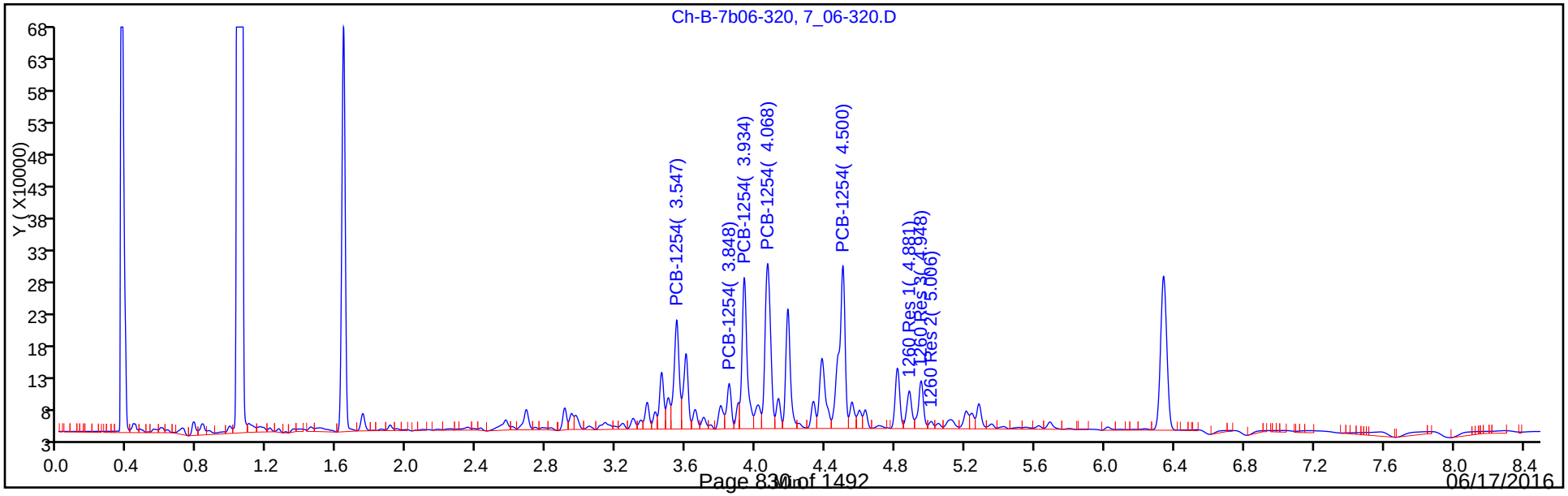
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-320.D

Injection Date:	08-Jun-2016 22:29:37	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-2-A	Lab Sample ID:	480-101258-2	Worklist Smp#:	23
Client ID:	SS21-10				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-320.D				
Lims ID:	480-101258-A-2-A				
Client ID:	SS21-10				
Sample Type:	Client				
Inject. Date:	08-Jun-2016 22:29:37	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:49:47	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:49:47		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0194	96.99
$ 15 DCB Decachlorobiphenyl	0.0200	0.0165	82.33

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0171	85.49
$ 15 DCB Decachlorobiphenyl	0.0200	0.0165	82.38

Report Date: 09-Jun-2016 02:49:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

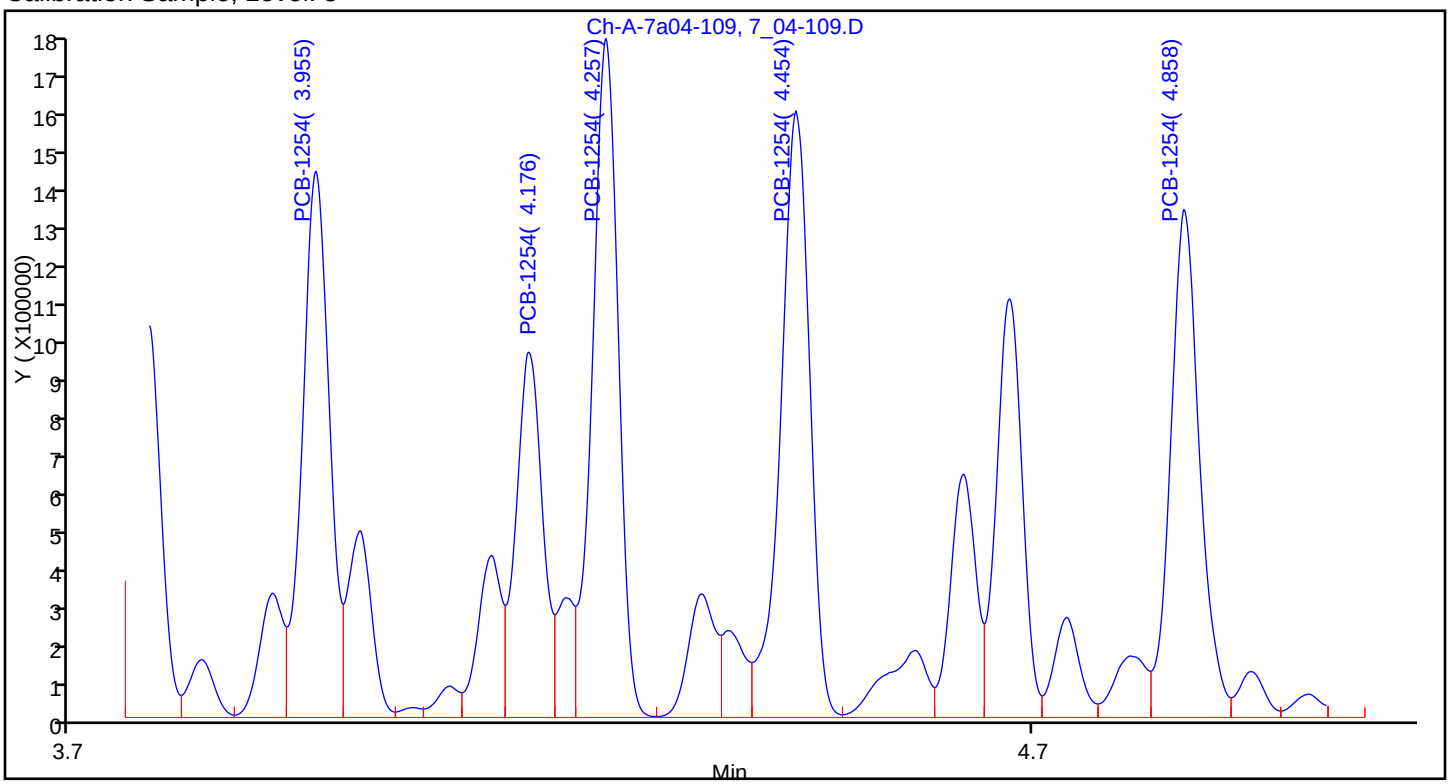
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-320.D

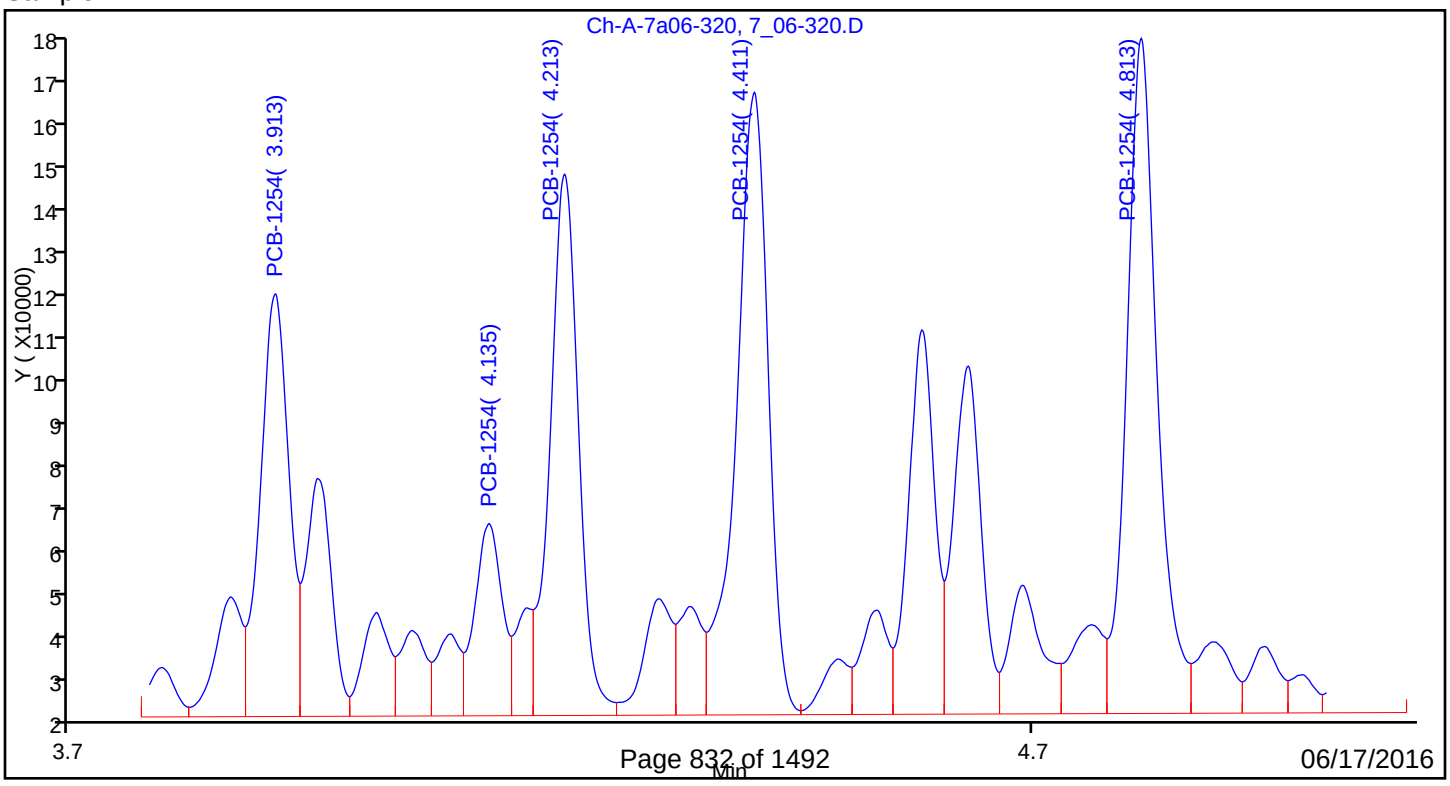
Injection Date:	08-Jun-2016 22:29:37	Instrument ID:	HP6890-7		
Lims ID:	480-101258-A-2-A	Lab Sample ID:	480-101258-2		
Client ID:	SS21-10				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-11 | Lab Sample ID: 480-101258-3

Matrix: Solid | Lab File ID: 7_06-321.D

Analysis Method: 8082A | Date Collected: 06/06/2016 10:38

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.26(g) | Date Analyzed: 06/08/2016 22:48

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 31.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.32	0.063
11104-28-2	PCB-1221	ND		0.32	0.063
11141-16-5	PCB-1232	ND		0.32	0.063
53469-21-9	PCB-1242	ND		0.32	0.063
12672-29-6	PCB-1248	ND		0.32	0.063
11097-69-1	PCB-1254	0.98		0.32	0.15
11096-82-5	PCB-1260	ND		0.32	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	103		60-154
2051-24-3	DCB Decachlorobiphenyl	93		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-321.D
Lims ID: 480-101258-A-3-A
Client ID: SS21-11
Sample Type: Client
Inject. Date: 08-Jun-2016 22:48:17 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:50:17 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:50:17

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.113	1.109	0.003	11321139	0.5000	
2	1.043	1.040	0.003	20102701	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.018	2.020	-0.002	665518	0.0206	
2	1.636	1.638	-0.002	893833	0.0181	
					RPD = 12.44	
11 PCB-1254						
1	3.913	3.915	-0.002	120870	0.0997	
1	4.134	4.135	-0.001	60992	0.0774	
1	4.213	4.214	-0.001	181094	0.1259	
1	4.410	4.413	-0.002	267095	0.1842	
1	4.814	4.815	-0.001	321064	0.2666	
		Average of Peak Amounts =			0.1508	
2	3.548	3.548	0.000	231294	0.1121	
2	3.849	3.848	0.001	94750	0.0642	
2	3.935	3.935	0.000	378242	0.1189	
2	4.068	4.066	0.002	497172	0.1537	
2	4.501	4.502	-0.001	633624	0.2382	
		Average of Peak Amounts =			0.1374	
					RPD = 9.25	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.578	5.643	-0.064	53593	NC	
2	4.881	4.878	0.003	134396	NC	
4 1260 Res 2						
1	5.641	5.691	-0.050	12597	NC	
2	5.006	5.061	-0.055	28037	NC	
3 1260 Res 3						
1	5.808	5.808	-0.001	1567	NC	
2	4.950	5.000	-0.050	168825	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.963	6.965	-0.002	320816	0.0186	
2	6.341	6.339	0.002	648363	0.0181	
					RPD = 2.61	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

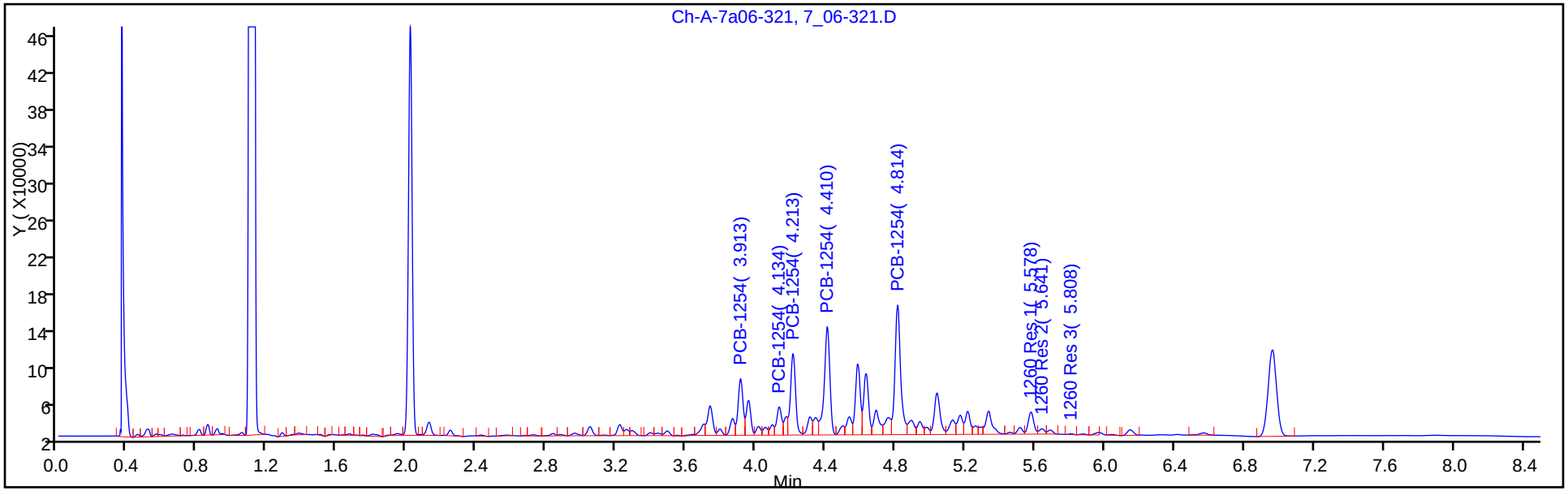
Report Date: 09-Jun-2016 02:50:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

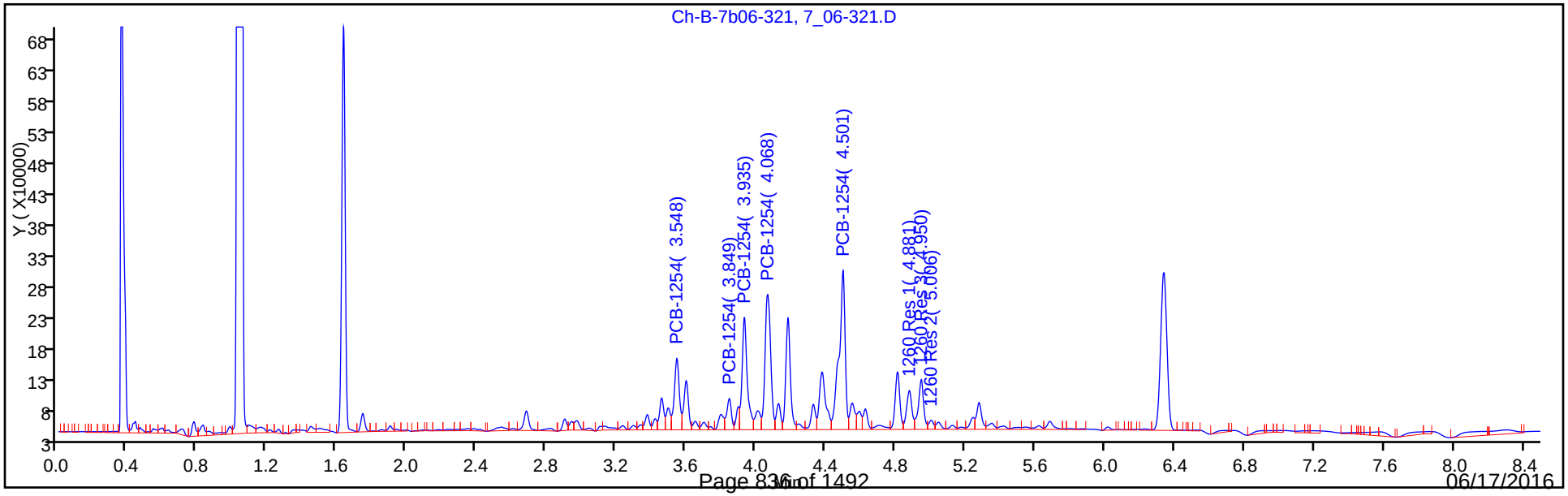
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-321.D

Injection Date:	08-Jun-2016 22:48:17	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-3-A	Lab Sample ID:	480-101258-3	Worklist Smp#:	24
Client ID:	SS21-11				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-321.D				
Lims ID:	480-101258-A-3-A				
Client ID:	SS21-11				
Sample Type:	Client				
Inject. Date:	08-Jun-2016 22:48:17	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:50:17	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:50:17		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0206	102.77
$ 15 DCB Decachlorobiphenyl	0.0200	0.0186	93.07

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0181	90.73
$ 15 DCB Decachlorobiphenyl	0.0200	0.0181	90.68

Report Date: 09-Jun-2016 02:50:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

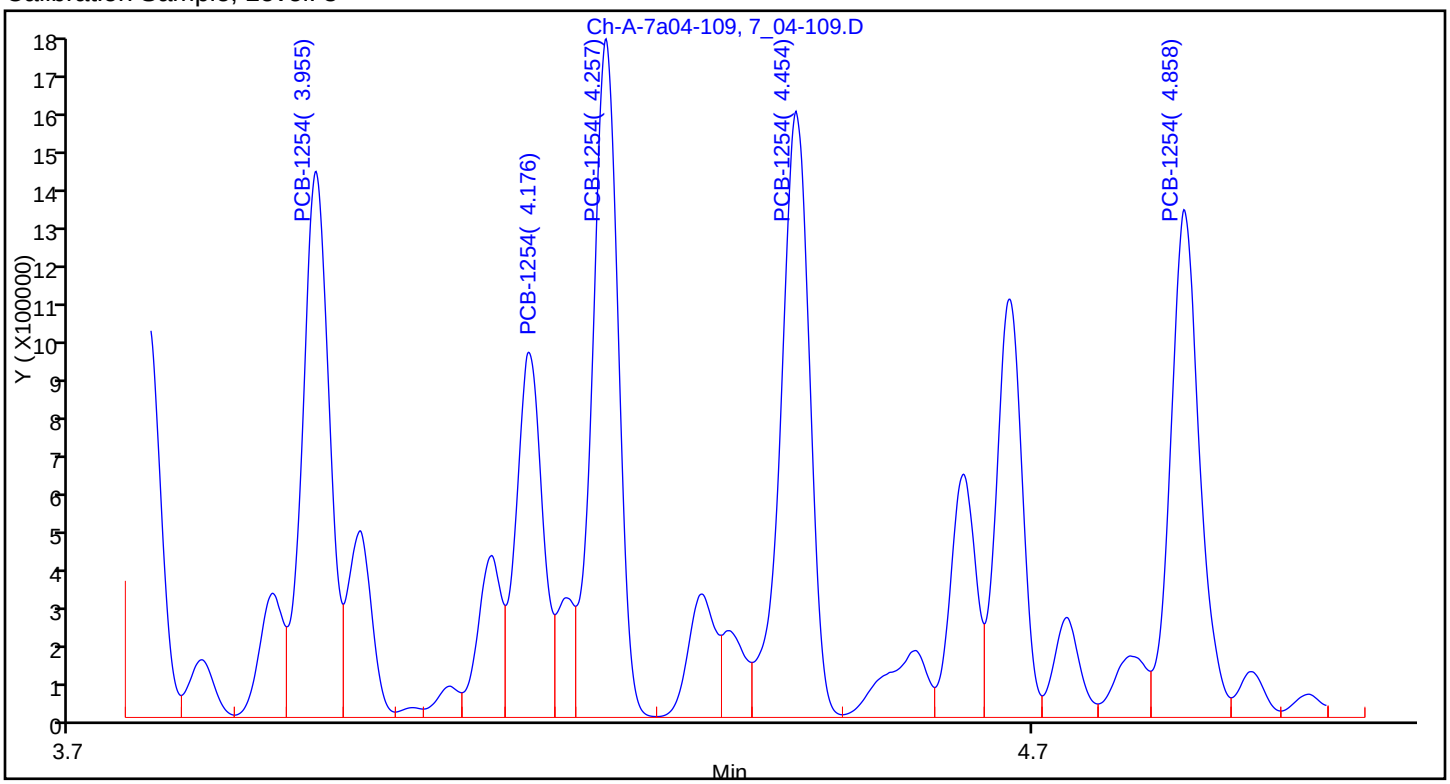
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-321.D

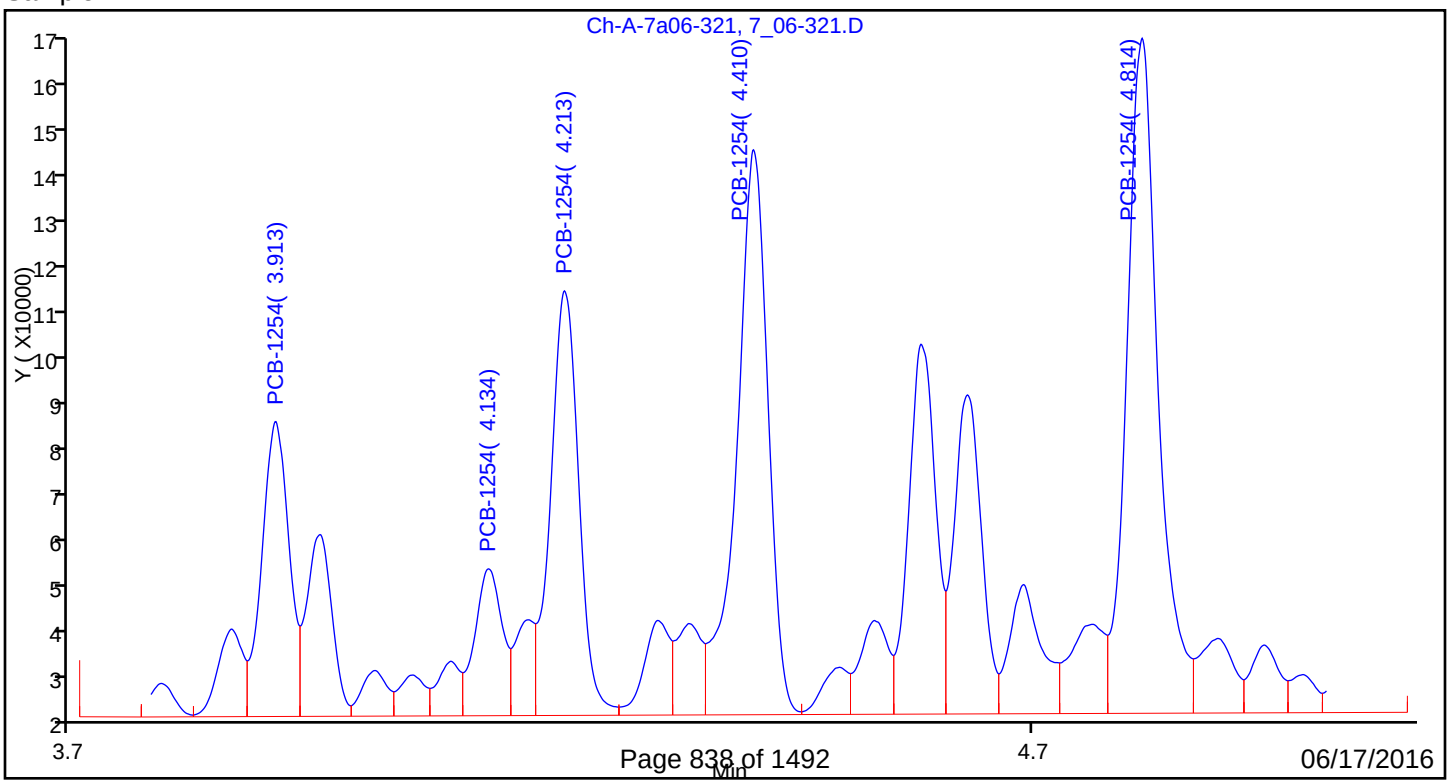
Injection Date:	08-Jun-2016 22:48:17	Instrument ID:	HP6890-7		
Lims ID:	480-101258-A-3-A	Lab Sample ID:	480-101258-3		
Client ID:	SS21-11				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-12 | Lab Sample ID: 480-101258-4

Matrix: Solid | Lab File ID: 7_06-322.D

Analysis Method: 8082A | Date Collected: 06/06/2016 10:42

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.19(g) | Date Analyzed: 06/08/2016 23:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.052
11104-28-2	PCB-1221	ND		0.27	0.052
11141-16-5	PCB-1232	ND		0.27	0.052
53469-21-9	PCB-1242	ND		0.27	0.052
12672-29-6	PCB-1248	ND		0.27	0.052
11097-69-1	PCB-1254	0.58		0.27	0.12
11096-82-5	PCB-1260	ND		0.27	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		60-154
2051-24-3	DCB Decachlorobiphenyl	98		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-322.D
Lims ID: 480-101258-A-4-A
Client ID: SS21-12
Sample Type: Client
Inject. Date: 08-Jun-2016 23:07:03 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:50:49 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:50:49

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.114	1.109	0.005	11462092	0.5000	
2	1.046	1.040	0.006	20315402	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.020	2.020	0.000	683744	0.0209	
2	1.637	1.638	-0.001	928247	0.0186	
					RPD = 11.18	
11 PCB-1254						
1	3.913	3.915	-0.003	97876	0.0797	
1	4.135	4.135	0.000	47910	0.0600	
1	4.213	4.214	-0.001	142664	0.0980	
1	4.410	4.413	-0.002	189833	0.1293	
1	4.813	4.815	-0.002	215243	0.1766	
		Average of Peak Amounts =			0.1087	
2	3.546	3.548	-0.002	174830	0.0838	
2	3.848	3.848	0.000	61015	0.0409	
2	3.933	3.935	-0.002	278171	0.0865	
2	4.067	4.066	0.001	349314	0.1069	
2	4.500	4.502	-0.002	413865	0.1540	
		Average of Peak Amounts =			0.0944	
					RPD = 14.07	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.578	5.643	-0.065	36319	NC	
2	4.881	4.878	0.003	79699	NC	
4 1260 Res 2						
1	5.688	5.691	-0.003	7168	NC	
2	5.005	5.061	-0.056	10234	NC	
3 1260 Res 3						
1	5.804	5.808	-0.004	948	NC	
2	4.948	5.000	-0.053	101440	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.964	6.965	-0.001	342984	0.0197	
2	6.340	6.339	0.001	707300	0.0196	
					RPD = 0.44	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

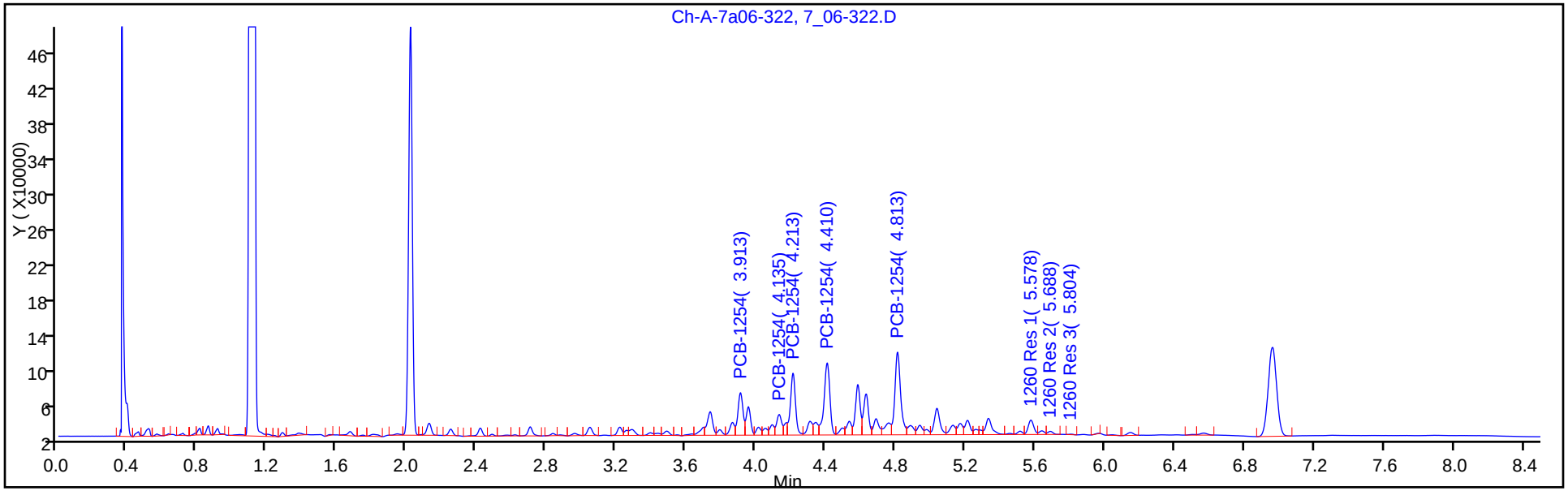
Report Date: 09-Jun-2016 02:50:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

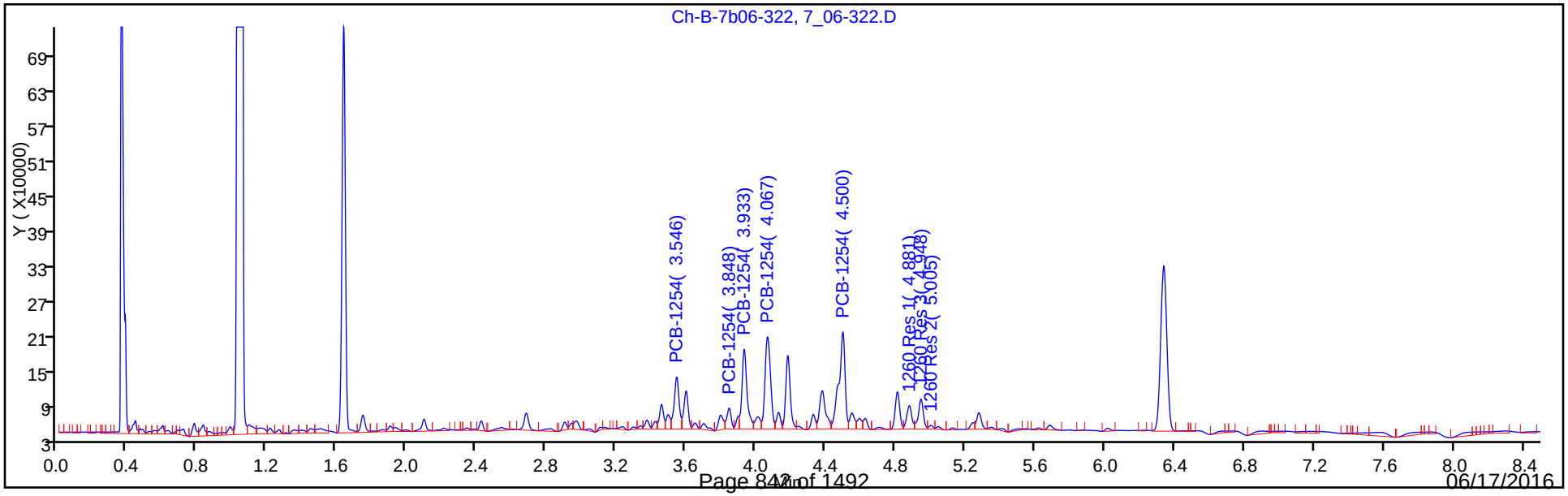
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-322.D

Injection Date:	08-Jun-2016 23:07:03	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-4-A	Lab Sample ID:	480-101258-4	Worklist Smp#:	25
Client ID:	SS21-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-322.D				
Lims ID:	480-101258-A-4-A				
Client ID:	SS21-12				
Sample Type:	Client				
Inject. Date:	08-Jun-2016 23:07:03	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:50:49	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:50:49		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0209	104.28
$ 15 DCB Decachlorobiphenyl	0.0200	0.0197	98.49

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0186	93.24
$ 15 DCB Decachlorobiphenyl	0.0200	0.0196	98.05

Report Date: 09-Jun-2016 02:50:50 Chrom Revision: 2.2 20-Apr-2016 13:59:46

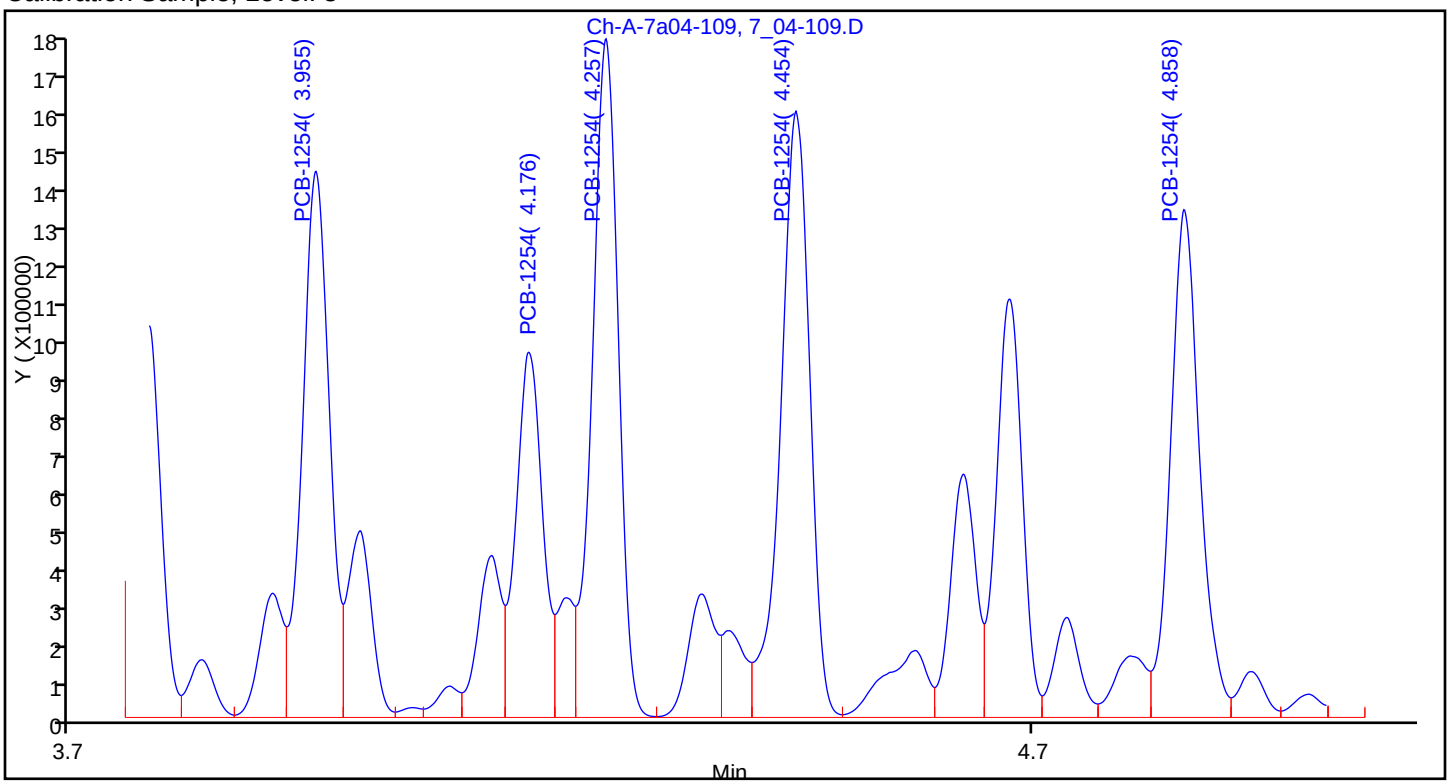
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-322.D

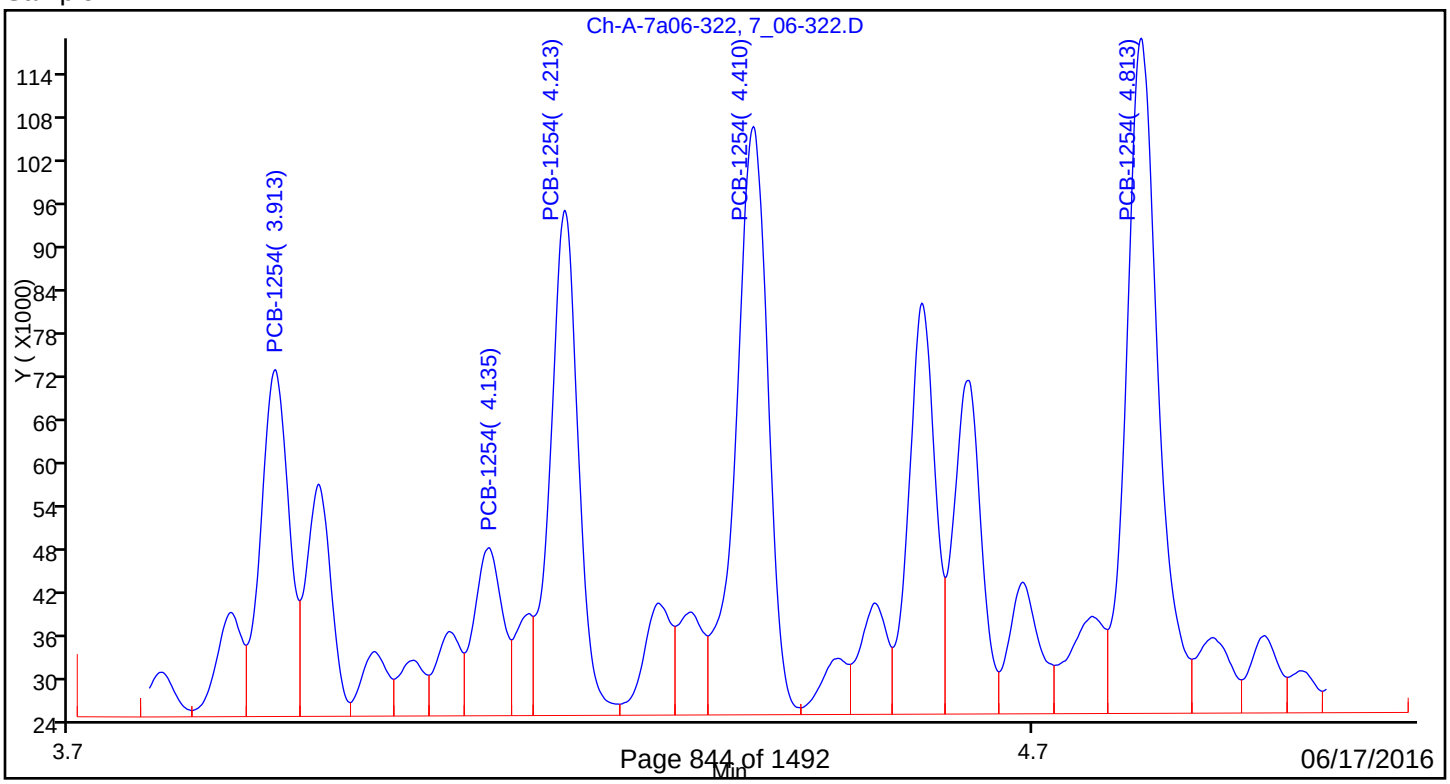
Injection Date:	08-Jun-2016 23:07:03	Instrument ID:	HP6890-7
Lims ID:	480-101258-A-4-A	Lab Sample ID:	480-101258-4
Client ID:	SS21-12		
Operator ID:	BufTCHROM	ALS Bottle#:	0 Worklist Smp#: 25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL
Column:		Detector	Ch-A-7A136

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-13 | Lab Sample ID: 480-101258-5

Matrix: Solid | Lab File ID: 7_06-323.D

Analysis Method: 8082A | Date Collected: 06/06/2016 10:58

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.35(g) | Date Analyzed: 06/08/2016 23:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 30.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.059
11104-28-2	PCB-1221	ND		0.30	0.059
11141-16-5	PCB-1232	ND		0.30	0.059
53469-21-9	PCB-1242	ND		0.30	0.059
12672-29-6	PCB-1248	ND		0.30	0.059
11097-69-1	PCB-1254	0.45		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		60-154
2051-24-3	DCB Decachlorobiphenyl	96		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-323.D
Lims ID: 480-101258-A-5-A
Client ID: SS21-13
Sample Type: Client
Inject. Date: 08-Jun-2016 23:25:38 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:51:48 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:51:48

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.114	1.109	0.005	11179595	0.5000	
2	1.045	1.040	0.005	19683718	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.020	2.020	0.000	652026	0.0204	
2	1.638	1.638	0.000	840937	0.0174	
					RPD = 15.62	
11 PCB-1254						M
1	3.911	3.915	-0.004	100983	0.0843	M
1	4.135	4.135	0.000	27138	0.0349	M
1	4.213	4.214	-0.001	105984	0.0746	M
1	4.410	4.413	-0.002	100892	0.0704	
1	4.814	4.815	-0.001	123547	0.1039	M
		Average of Peak Amounts =			0.0736	
2	3.543	3.548	-0.006	180801	0.0895	
2	3.848	3.848	0.000	46858	0.0324	
2	3.935	3.935	0.000	215278	0.0691	
2	4.068	4.066	0.002	221590	0.0700	
2	4.501	4.502	-0.001	256035	0.0983	
		Average of Peak Amounts =			0.0719	
					RPD = 2.44	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.578	5.643	-0.065	18400	NC	
2	4.880	4.878	0.002	57621	NC	
4 1260 Res 2						
1	5.687	5.691	-0.004	2499	NC	
2	5.008	5.061	-0.053	17046	NC	
3 1260 Res 3						
1	5.873	5.808	0.064	820	NC	
2	4.948	5.000	-0.053	70965	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.964	6.965	-0.001	326598	0.0192	
2	6.340	6.339	0.001	678158	0.0194	
					RPD = 0.98	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

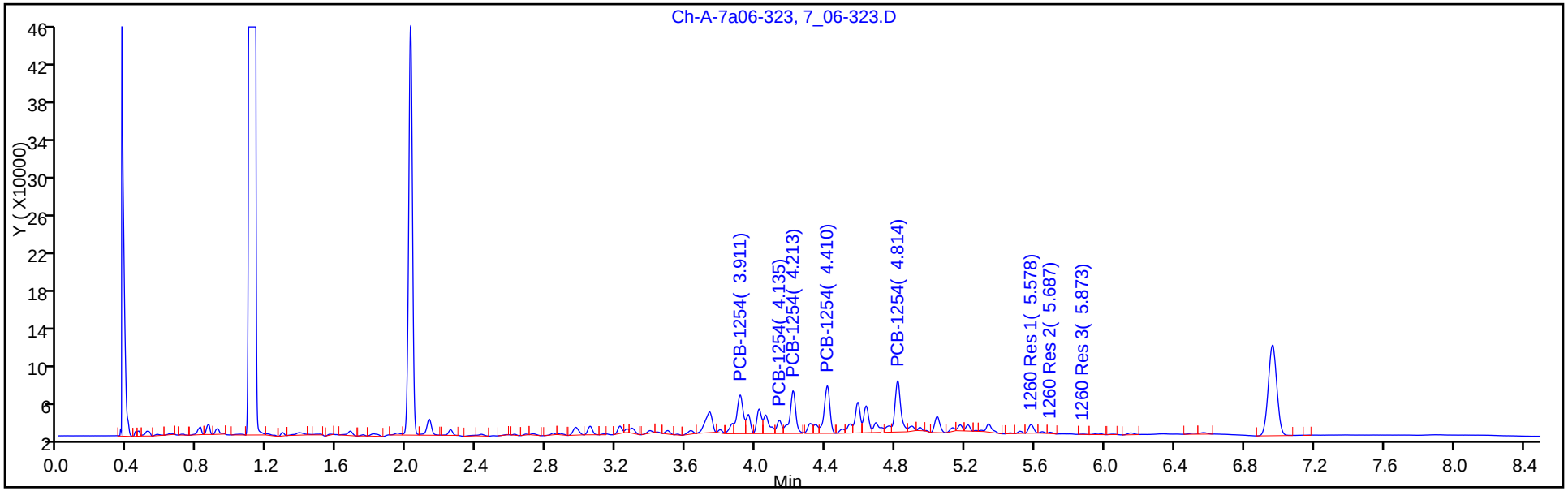
Report Date: 09-Jun-2016 02:51:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

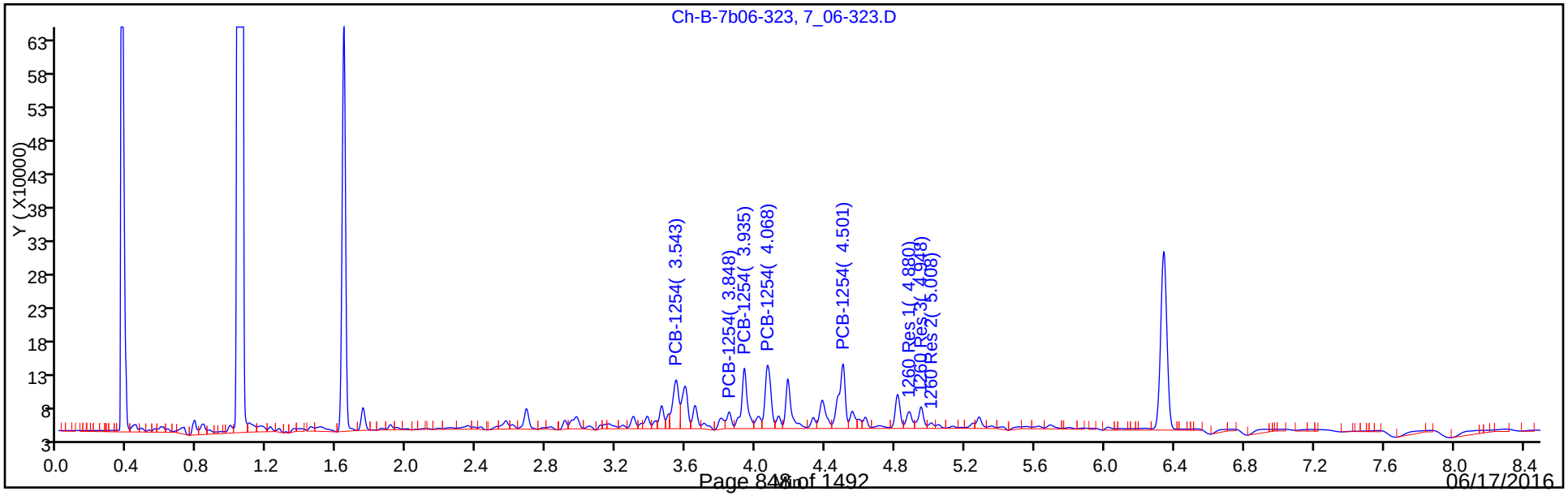
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-323.D

Injection Date:	08-Jun-2016 23:25:38	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-5-A	Lab Sample ID:	480-101258-5	Worklist Smp#:	26
Client ID:	SS21-13				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-323.D				
Lims ID:	480-101258-A-5-A				
Client ID:	SS21-13				
Sample Type:	Client				
Inject. Date:	08-Jun-2016 23:25:38	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:51:48	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:51:48		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0204	101.96
$ 15 DCB Decachlorobiphenyl	0.0200	0.0192	96.06

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0174	87.18
$ 15 DCB Decachlorobiphenyl	0.0200	0.0194	97.01

Report Date: 09-Jun-2016 02:51:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

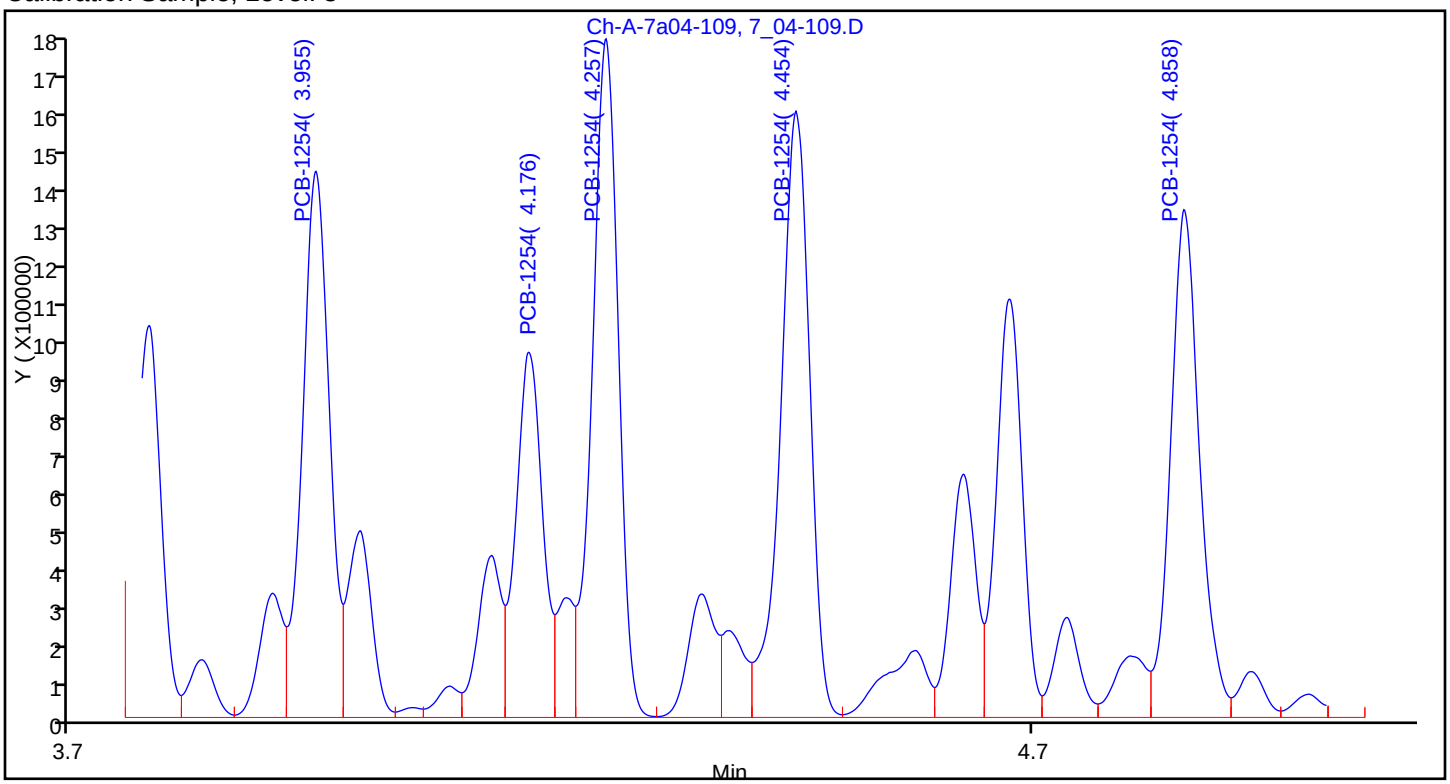
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-323.D

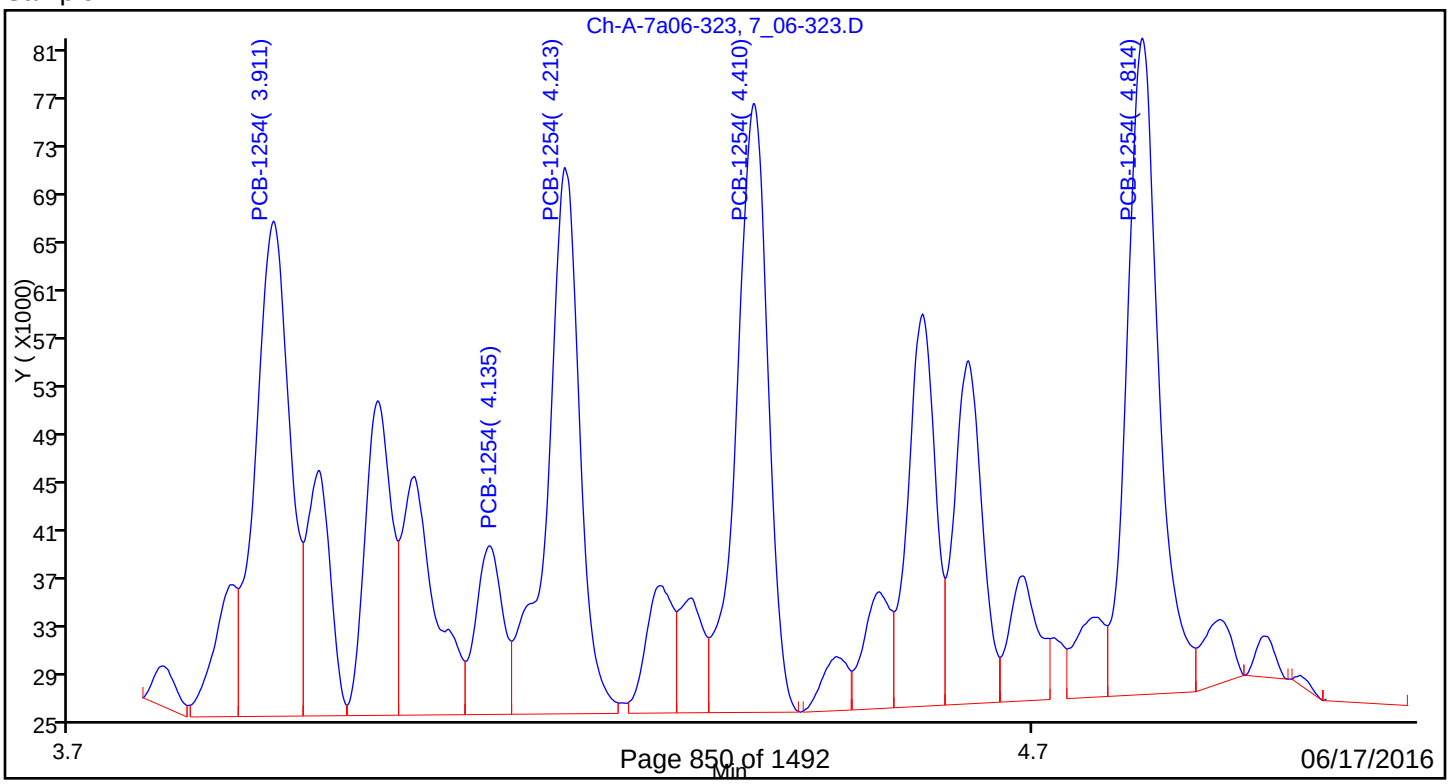
Injection Date:	08-Jun-2016 23:25:38	Instrument ID:	HP6890-7		
Lims ID:	480-101258-A-5-A	Lab Sample ID:	480-101258-5		
Client ID:	SS21-13				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



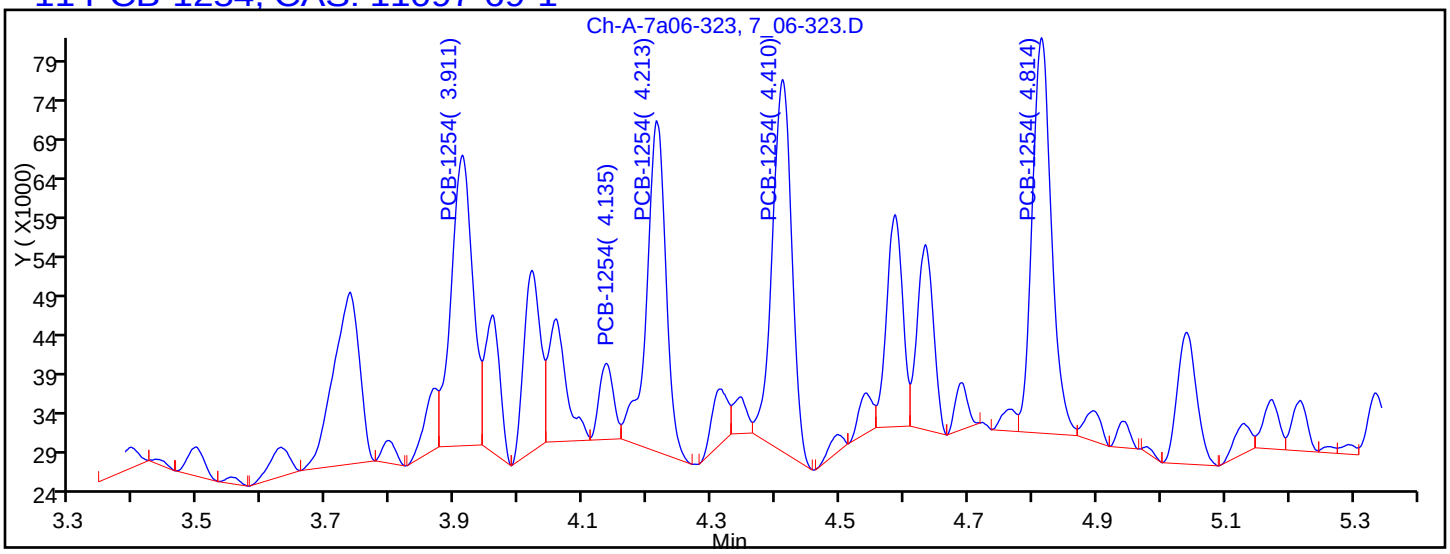
Report Date: 09-Jun-2016 02:51:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-323.D

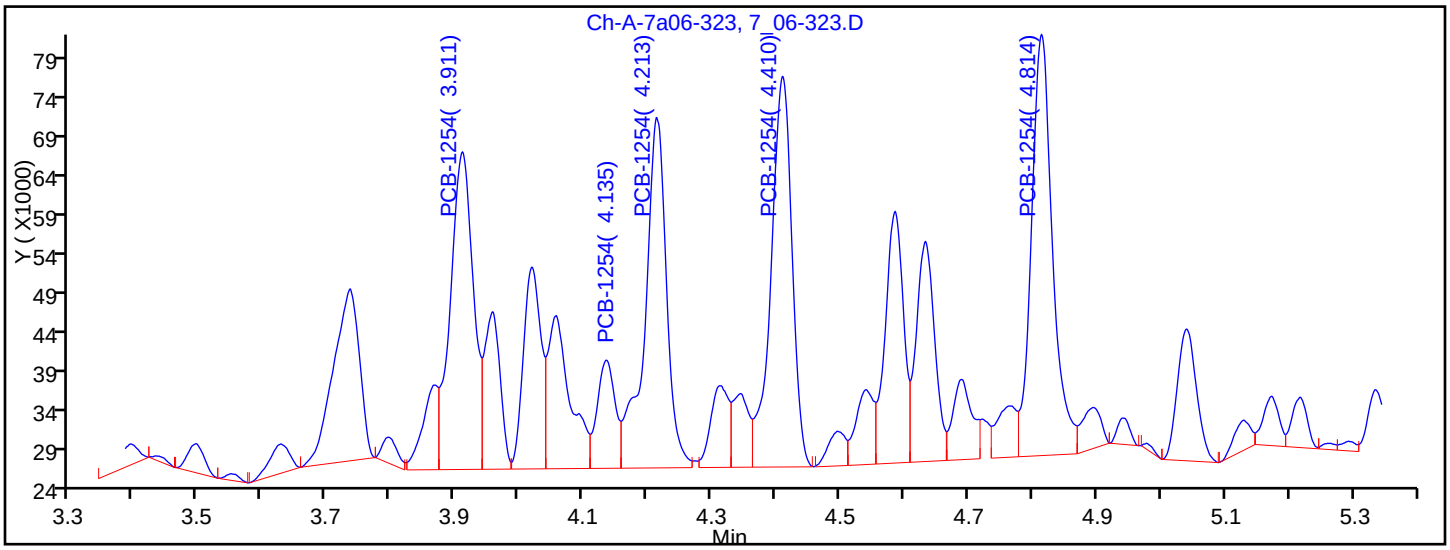
Injection Date:	08-Jun-2016 23:25:38	Instrument ID:	HP6890-7		
Lims ID:	480-101258-A-5-A	Lab Sample ID:	480-101258-5		
Client ID:	SS21-13				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.911	Response = 87063	M
RT = 4.135	Response = 15234	M
RT = 4.213	Response = 89339	M
RT = 4.410	Response = 100892	
RT = 4.814	Response = 106030	M



Manual Integration Results

RT = 3.911	Response = 100983	M
RT = 4.135	Response = 27138	M
RT = 4.213	Response = 105984	M
RT = 4.410	Response = 100892	
RT = 4.814	Response = 123547	M

Reviewer: sobolk, 09-Jun-2016 02:51:48

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-14 | Lab Sample ID: 480-101258-6

Matrix: Solid | Lab File ID: 7_06-324.D

Analysis Method: 8082A | Date Collected: 06/06/2016 11:00

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.39(g) | Date Analyzed: 06/08/2016 23:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 38.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.34	0.066
11104-28-2	PCB-1221	ND		0.34	0.066
11141-16-5	PCB-1232	ND		0.34	0.066
53469-21-9	PCB-1242	ND		0.34	0.066
12672-29-6	PCB-1248	ND		0.34	0.066
11097-69-1	PCB-1254	1.8		0.34	0.16
11096-82-5	PCB-1260	ND		0.34	0.16

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	103		60-154
2051-24-3	DCB Decachlorobiphenyl	96		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-324.D
Lims ID: 480-101258-A-6-A
Client ID: SS21-14
Sample Type: Client
Inject. Date: 08-Jun-2016 23:44:17 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:52:25 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:52:25

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.115	1.109	0.006	11903412	0.5000	
2	1.046	1.040	0.006	20912120	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.020	2.020	0.000	699764	0.0206	
2	1.638	1.638	0.000	941776	0.0184	
					RPD = 11.17	
11 PCB-1254						
1	3.908	3.915	-0.007	448934	0.3522	
1	4.136	4.135	0.001	96678	0.1167	
1	4.214	4.214	0.000	373849	0.2472	
1	4.410	4.413	-0.002	408227	0.2677	
1	4.812	4.815	-0.003	450023	0.3555	
		Average of Peak Amounts =			0.2678	
2	3.541	3.548	-0.007	795280	0.3704	
2	3.848	3.848	0.000	158352	0.1032	
2	3.935	3.935	0.000	745863	0.2253	
2	4.068	4.066	0.002	792203	0.2355	
2	4.500	4.502	-0.002	914177	0.3304	
		Average of Peak Amounts =			0.2530	
					RPD = 5.71	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.640	5.643	-0.003	19072	NC	
2	4.880	4.878	0.002	195373	NC	
4 1260 Res 2						
1	5.690	5.691	-0.001	16147	NC	
2	5.007	5.061	-0.054	41052	NC	
3 1260 Res 3						
1	5.874	5.808	0.066	2005	NC	
2	4.948	5.000	-0.053	238589	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.966	6.965	0.001	347802	0.0192	
2	6.340	6.339	0.001	738359	0.0199	
					RPD = 3.46	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

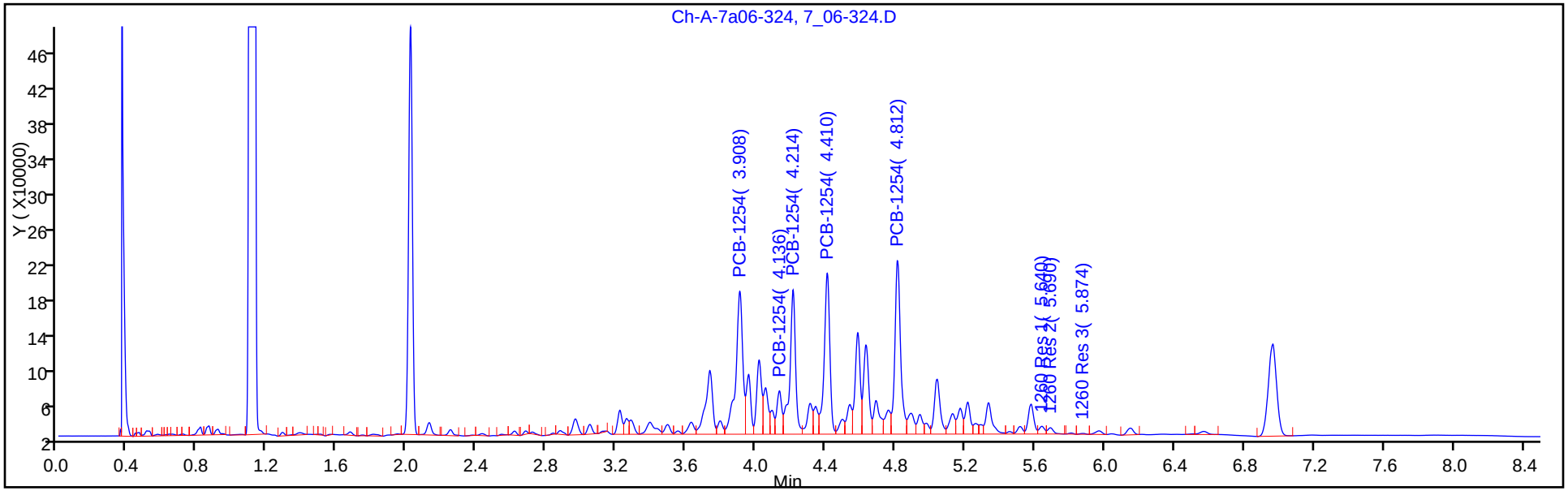
Report Date: 09-Jun-2016 02:52:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

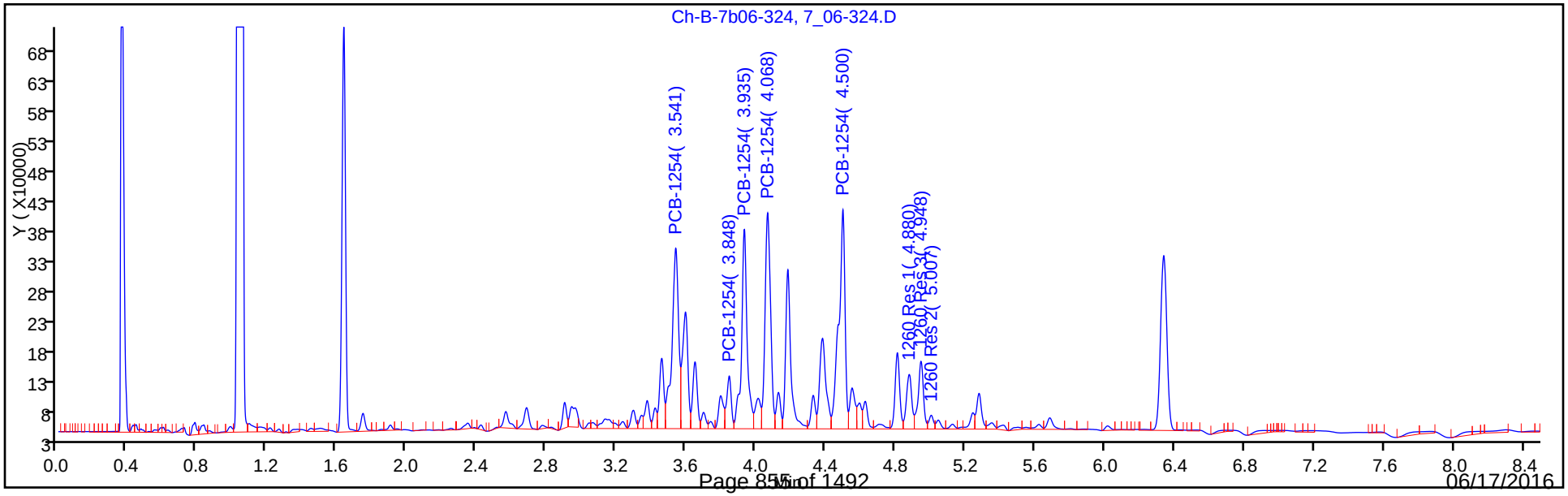
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-324.D

Injection Date:	08-Jun-2016 23:44:17	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-6-A	Lab Sample ID:	480-101258-6	Worklist Smp#:	27
Client ID:	SS21-14				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-324.D				
Lims ID:	480-101258-A-6-A				
Client ID:	SS21-14				
Sample Type:	Client				
Inject. Date:	08-Jun-2016 23:44:17	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:52:25	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:52:25		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0206	102.77
$ 15 DCB Decachlorobiphenyl	0.0200	0.0192	96.08

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0184	91.90
$ 15 DCB Decachlorobiphenyl	0.0200	0.0199	99.47

Report Date: 09-Jun-2016 02:52:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

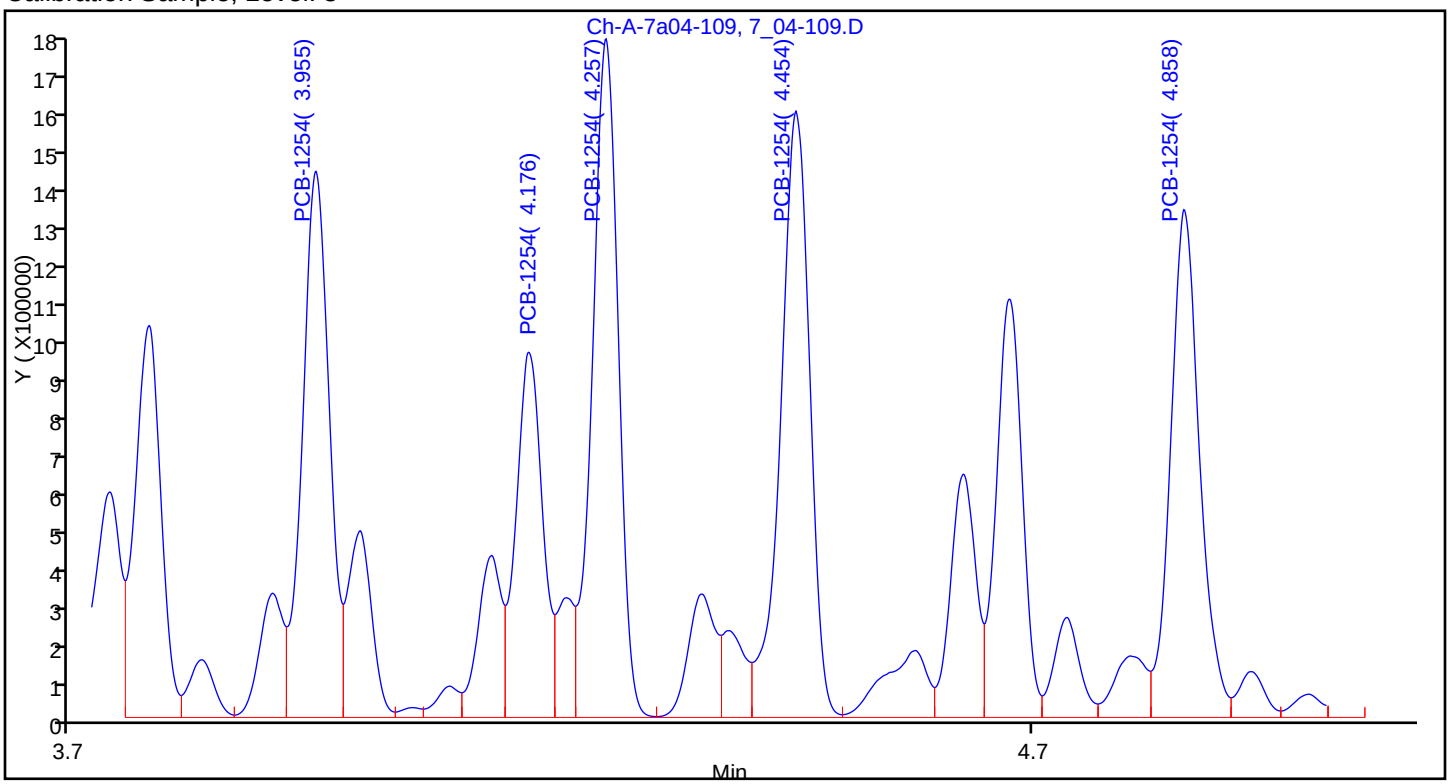
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-324.D

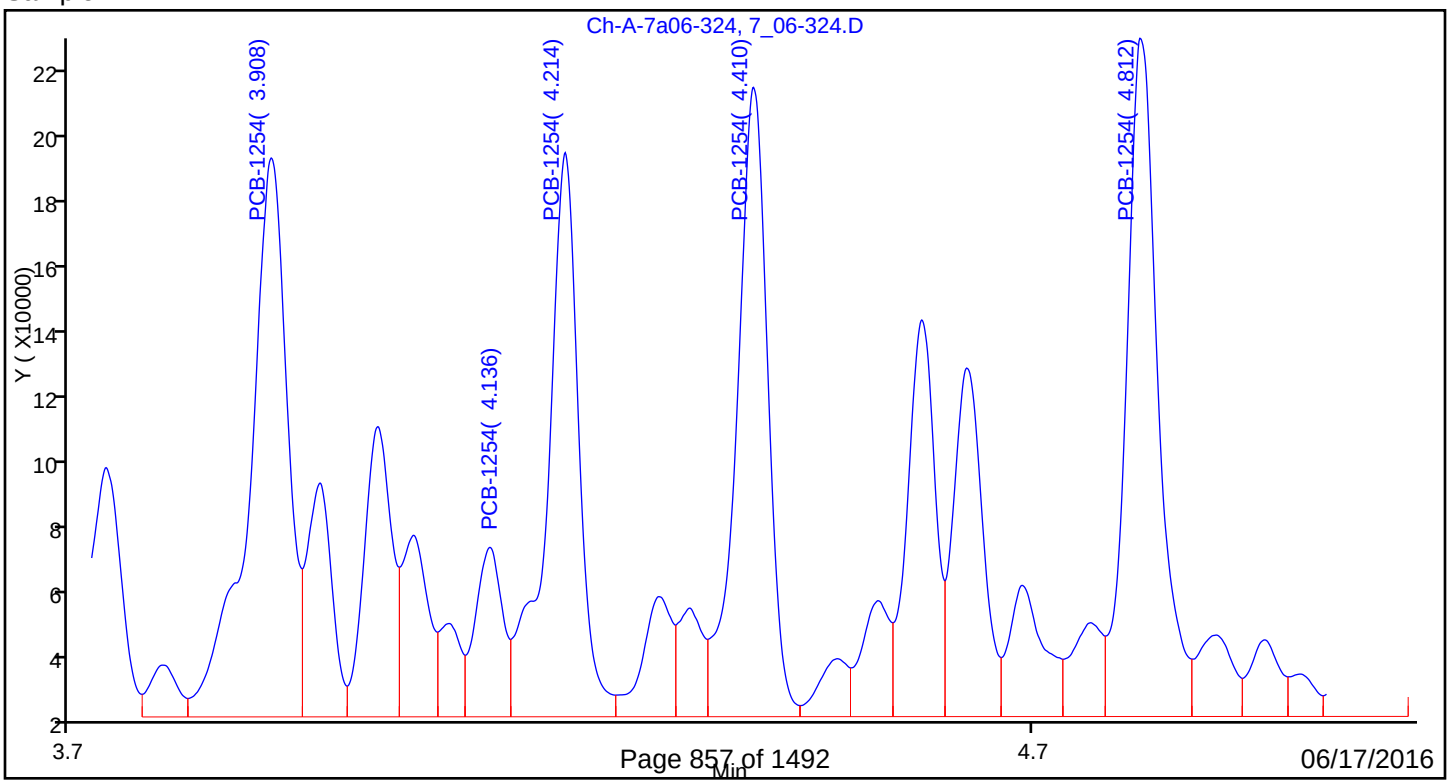
Injection Date:	08-Jun-2016 23:44:17	Instrument ID:	HP6890-7		
Lims ID:	480-101258-A-6-A	Lab Sample ID:	480-101258-6		
Client ID:	SS21-14				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-15 | Lab Sample ID: 480-101258-7

Matrix: Solid | Lab File ID: 7_06-325.D

Analysis Method: 8082A | Date Collected: 06/06/2016 11:03

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.18(g) | Date Analyzed: 06/09/2016 00:02

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 24.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.31	0.060
11104-28-2	PCB-1221	ND		0.31	0.060
11141-16-5	PCB-1232	ND		0.31	0.060
53469-21-9	PCB-1242	ND		0.31	0.060
12672-29-6	PCB-1248	ND		0.31	0.060
11097-69-1	PCB-1254	1.2		0.31	0.14
11096-82-5	PCB-1260	ND		0.31	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	108		60-154
2051-24-3	DCB Decachlorobiphenyl	97		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-325.D
Lims ID: 480-101258-A-7-A
Client ID: SS21-15
Sample Type: Client
Inject. Date: 09-Jun-2016 00:02:55 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:53:12 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:53:12

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.114	1.109	0.005	11090143	0.5000	
2	1.044	1.040	0.004	19683455	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.020	2.020	0.000	683501	0.0215	
2	1.638	1.638	0.000	908643	0.0188	
					RPD = 13.41	
11 PCB-1254						
1	3.910	3.915	-0.005	208533	0.1756	
1	4.134	4.135	-0.001	79343	0.1028	
1	4.214	4.214	0.000	248304	0.1762	
1	4.412	4.413	0.000	322549	0.2270	
1	4.813	4.815	-0.003	365500	0.3099	
		Average of Peak Amounts =			0.1983	
2	3.544	3.548	-0.004	398200	0.1970	
2	3.848	3.848	0.000	137718	0.0953	
2	3.934	3.935	-0.001	511660	0.1642	
2	4.066	4.066	0.000	635480	0.2007	
2	4.499	4.502	-0.003	750714	0.2883	
		Average of Peak Amounts =			0.1891	
					RPD = 4.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.578	5.643	-0.064	57152	NC	
2	4.879	4.878	0.002	174581	NC	
4 1260 Res 2						
1	5.690	5.691	-0.001	7905	NC	
2	5.008	5.061	-0.053	50740	NC	
3 1260 Res 3						
1	5.810	5.808	0.002	1389	NC	
2	4.948	5.000	-0.053	211654	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.963	6.965	-0.003	325844	0.0193	
2	6.341	6.339	0.002	673437	0.0193	
					RPD = 0.33	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

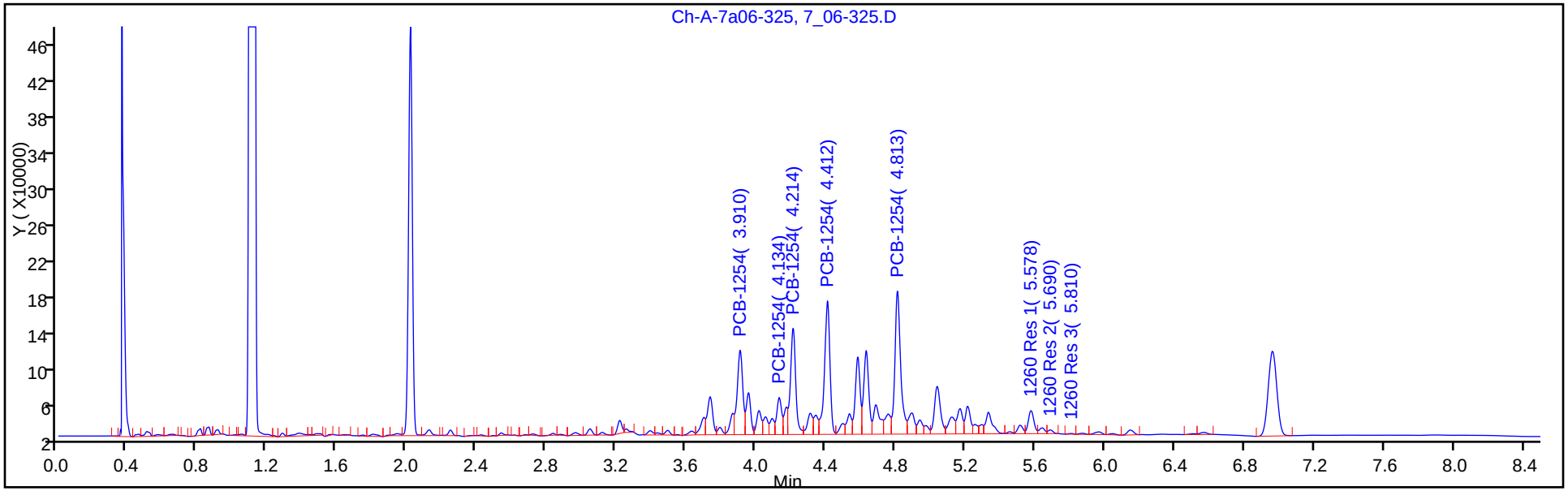
Report Date: 09-Jun-2016 02:53:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

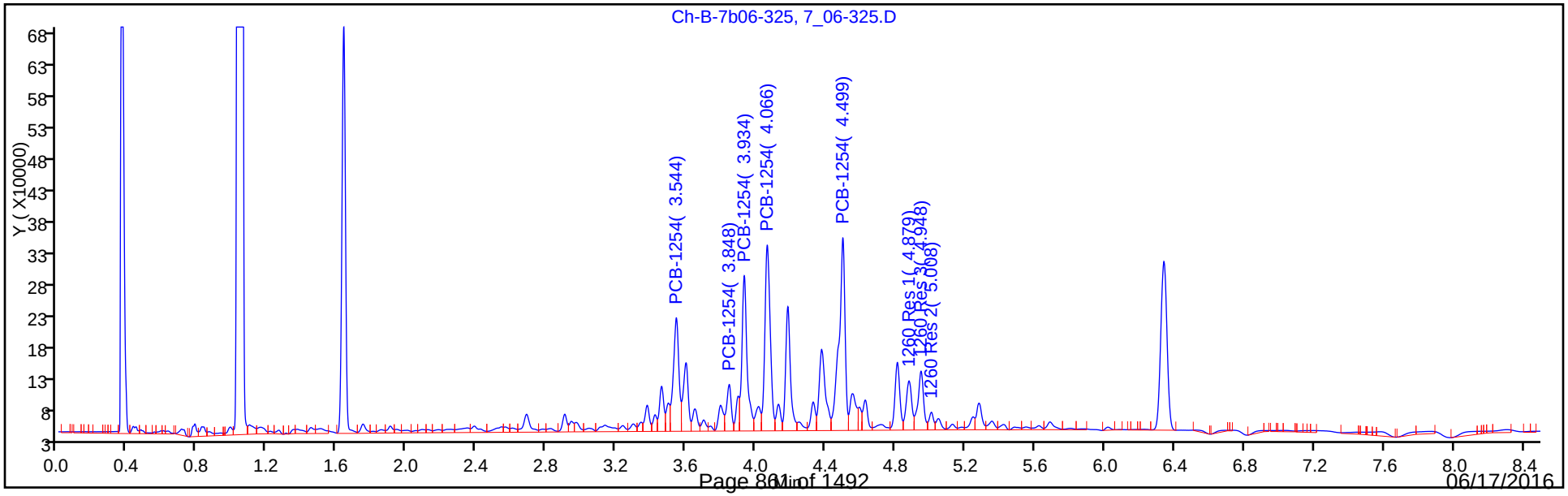
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-325.D

Injection Date:	09-Jun-2016 00:02:55	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-7-A	Lab Sample ID:	480-101258-7	Worklist Smp#:	28
Client ID:	SS21-15				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-325.D				
Lims ID:	480-101258-A-7-A				
Client ID:	SS21-15				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 00:02:55	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:53:12	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:53:12		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0215	107.74
$ 15 DCB Decachlorobiphenyl	0.0200	0.0193	96.64

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0188	94.20
$ 15 DCB Decachlorobiphenyl	0.0200	0.0193	96.32

Report Date: 09-Jun-2016 02:53:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

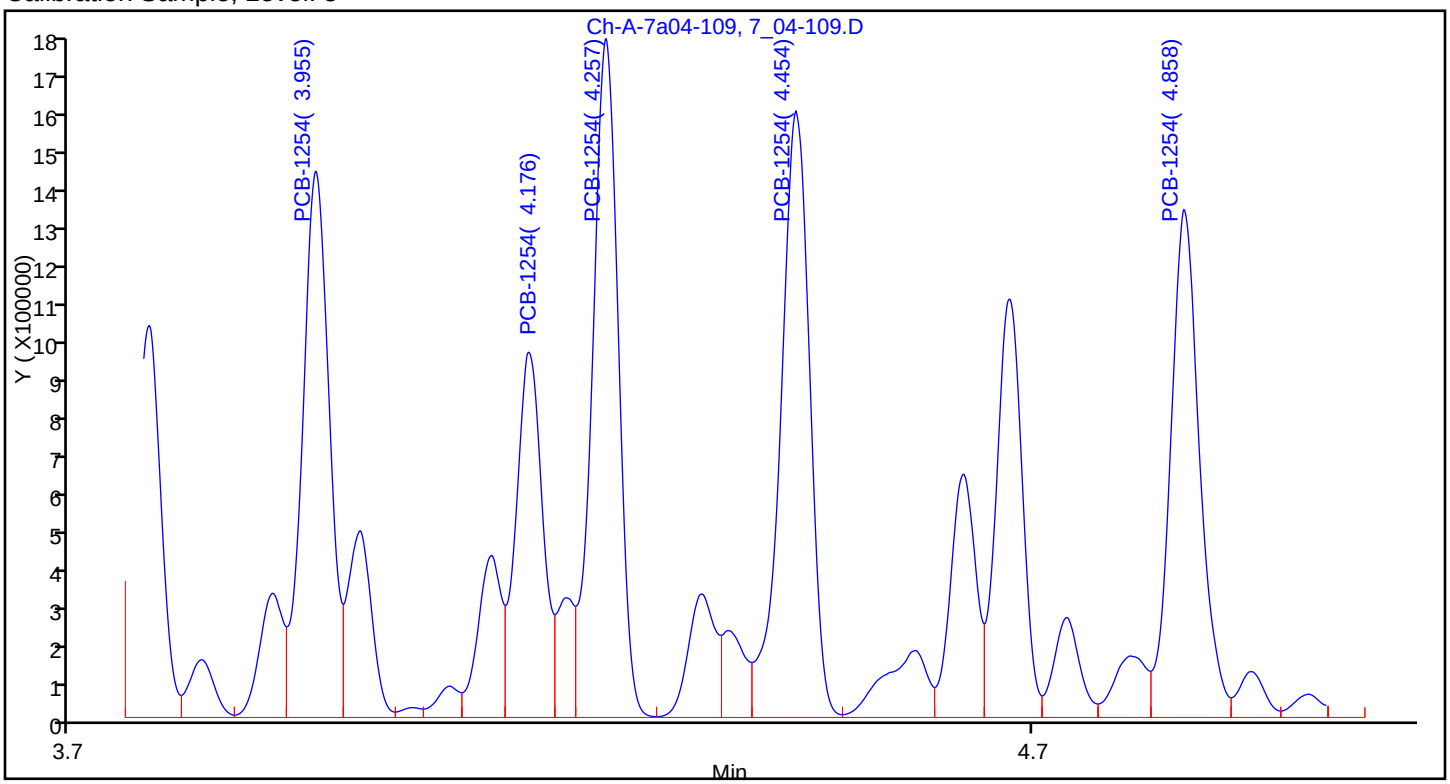
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-325.D

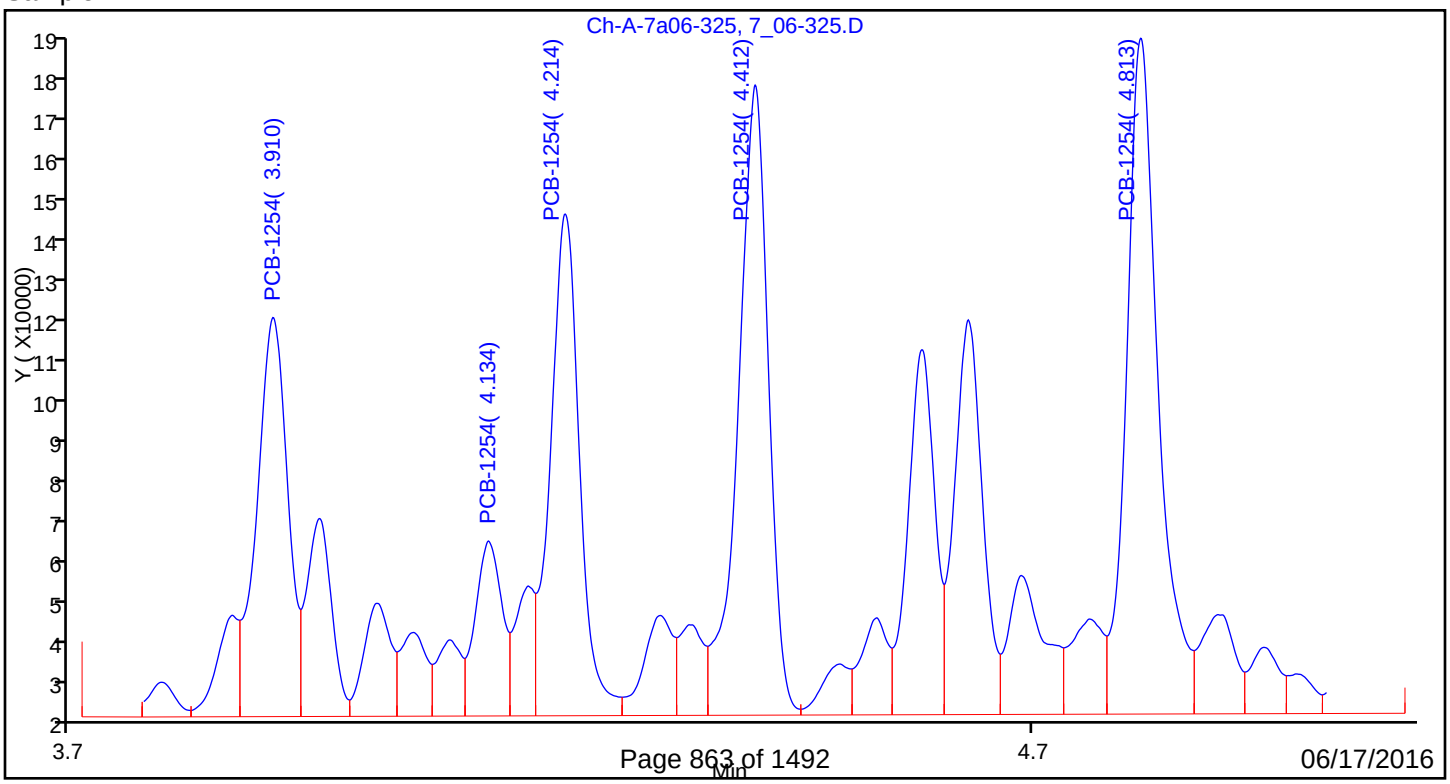
Injection Date:	09-Jun-2016 00:02:55	Instrument ID:	HP6890-7		
Lims ID:	480-101258-A-7-A	Lab Sample ID:	480-101258-7		
Client ID:	SS21-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS21-16 | Lab Sample ID: 480-101258-8

Matrix: Solid | Lab File ID: 7_06-326.D

Analysis Method: 8082A | Date Collected: 06/06/2016 11:06

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.24(g) | Date Analyzed: 06/09/2016 00:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 19.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.28	0.054
11104-28-2	PCB-1221	ND		0.28	0.054
11141-16-5	PCB-1232	ND		0.28	0.054
53469-21-9	PCB-1242	ND		0.28	0.054
12672-29-6	PCB-1248	ND		0.28	0.054
11097-69-1	PCB-1254	1.1		0.28	0.13
11096-82-5	PCB-1260	ND		0.28	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	106		60-154
2051-24-3	DCB Decachlorobiphenyl	106		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-326.D
Lims ID: 480-101258-A-8-A
Client ID: SS21-16
Sample Type: Client
Inject. Date: 09-Jun-2016 00:21:32 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:53:51 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:53:51

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.112	1.109	0.003	11342865	0.5000	
2	1.043	1.040	0.002	19810941	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.019	2.020	-0.001	689930	0.0213	
2	1.637	1.638	-0.001	911610	0.0188	
					RPD = 12.42	
11 PCB-1254						
1	3.912	3.915	-0.003	180100	0.1483	
1	4.134	4.135	-0.001	84705	0.1073	
1	4.213	4.214	-0.001	250219	0.1736	
1	4.410	4.413	-0.002	331001	0.2278	
1	4.811	4.815	-0.004	360085	0.2985	
		Average of Peak Amounts =			0.1911	
2	3.548	3.548	0.000	336843	0.1656	
2	3.848	3.848	0.000	128233	0.0882	
2	3.933	3.935	-0.002	495907	0.1582	
2	4.068	4.066	0.002	627636	0.1969	
2	4.500	4.502	-0.002	727673	0.2776	
		Average of Peak Amounts =			0.1773	
					RPD = 7.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	5.578	5.643	-0.065	59279	NC	
2	4.882	4.878	0.004	161531	NC	
4 1260 Res 2						
1	5.643	5.691	-0.047	13894	NC	
2	5.008	5.061	-0.053	33782	NC	
3 1260 Res 3						
1	5.810	5.808	0.002	1868	NC	
2	4.948	5.000	-0.052	194781	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.963	6.965	-0.003	364803	0.0212	
2	6.342	6.339	0.003	752202	0.0214	
					RPD = 0.93	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

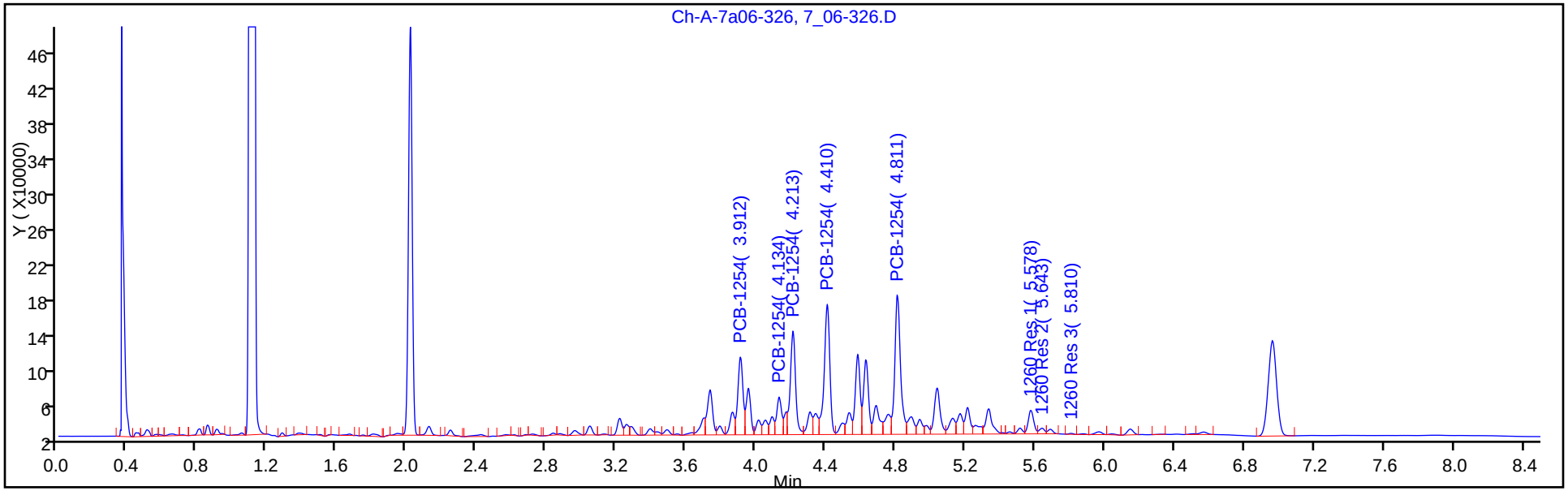
Report Date: 09-Jun-2016 02:53:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

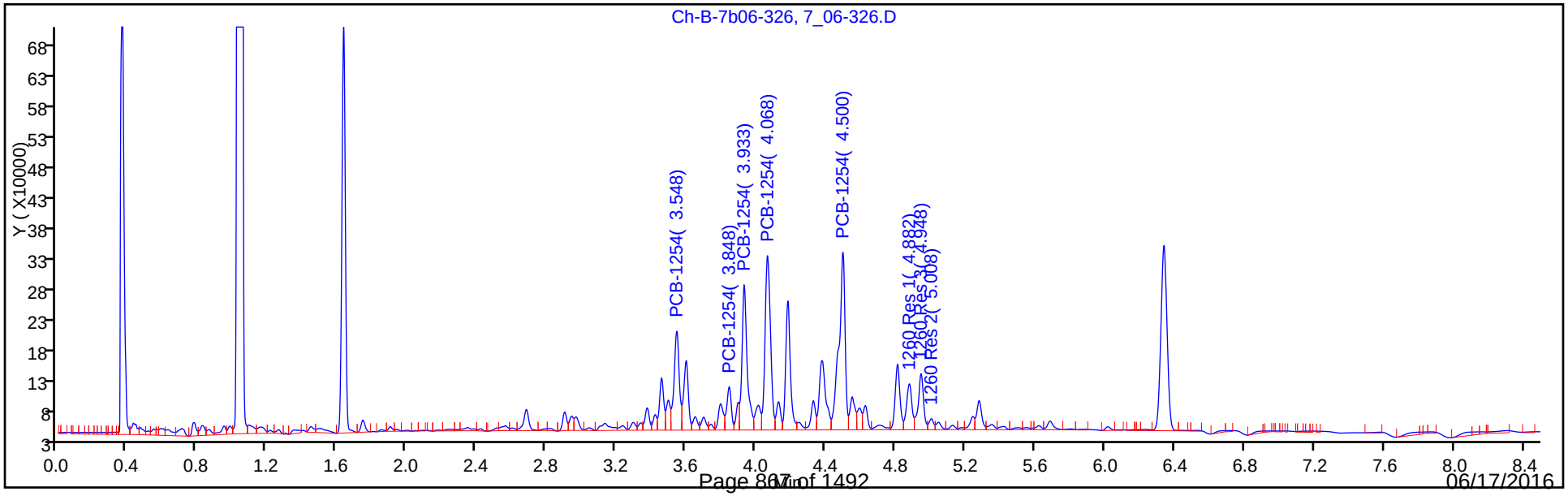
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-326.D

Injection Date:	09-Jun-2016 00:21:32	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-8-A	Lab Sample ID:	480-101258-8	Worklist Smp#:	29
Client ID:	SS21-16				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-326.D				
Lims ID:	480-101258-A-8-A				
Client ID:	SS21-16				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 00:21:32	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:53:51	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:53:51		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0213	106.33
$ 15 DCB Decachlorobiphenyl	0.0200	0.0212	106.14

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0188	93.90
$ 15 DCB Decachlorobiphenyl	0.0200	0.0214	107.13

Report Date: 09-Jun-2016 02:53:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

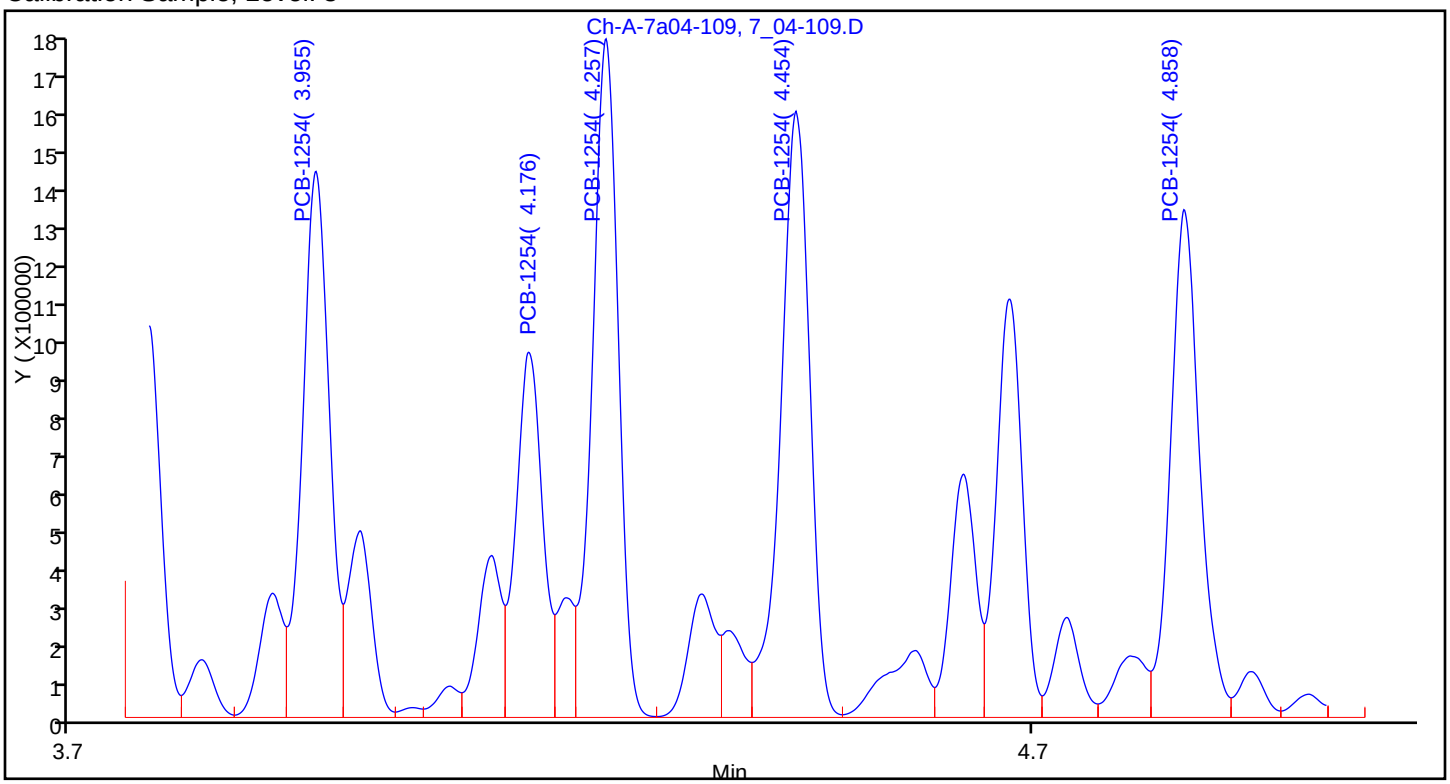
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-326.D

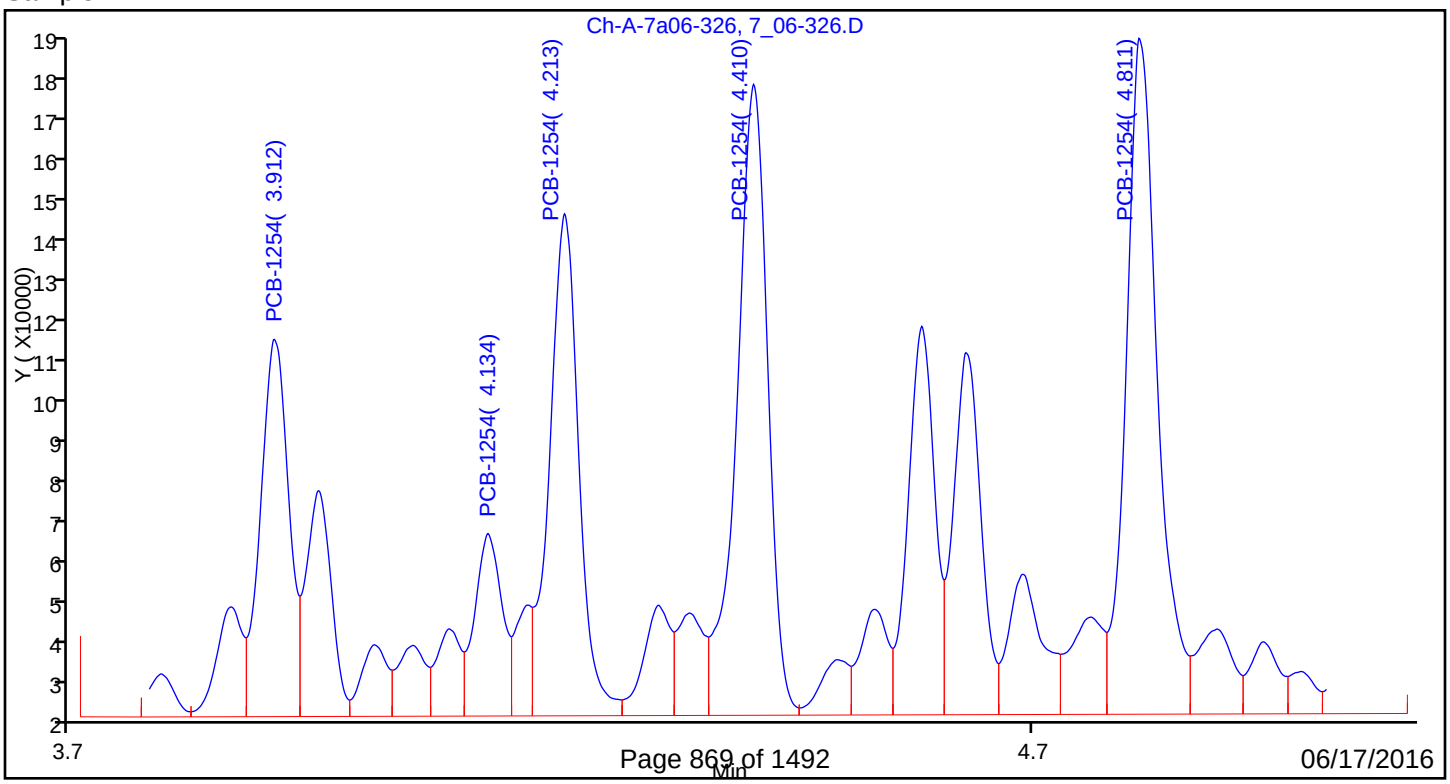
Injection Date:	09-Jun-2016 00:21:32	Instrument ID:	HP6890-7		
Lims ID:	480-101258-A-8-A	Lab Sample ID:	480-101258-8		
Client ID:	SS21-16				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 3



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-9 | Lab Sample ID: 480-101258-9

Matrix: Solid | Lab File ID: 12_365m_338.D

Analysis Method: 8082A | Date Collected: 06/06/2016 13:33

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.56(g) | Date Analyzed: 06/09/2016 00:42

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.21	0.042
11104-28-2	PCB-1221	ND		0.21	0.042
11141-16-5	PCB-1232	ND		0.21	0.042
53469-21-9	PCB-1242	ND		0.21	0.042
12672-29-6	PCB-1248	ND		0.21	0.042
11097-69-1	PCB-1254	3.6		0.21	0.10
11096-82-5	PCB-1260	ND		0.21	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	120		60-154
2051-24-3	DCB Decachlorobiphenyl	115		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_338.D
Lims ID: 480-101258-A-9-A
Client ID: SS20-9
Sample Type: Client
Inject. Date: 09-Jun-2016 00:42:54 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:18:54 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:18:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.160	1.159	0.001	1048991	0.5000	
2	1.607	1.606	0.001	853870	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.631	1.631	0.000	57595	0.0239	
2	2.198	2.198	0.000	42724	0.0294	
					RPD = 20.45	
11 PCB-1254						M
1	3.081	3.091	-0.010	41335	0.2779	
1	3.344	3.355	-0.011	116653	0.5856	
1	3.522	3.535	-0.013	156929	0.7743	
1	3.719	3.733	-0.014	141427	1.07	
1	3.894	3.908	-0.014	287387	1.54	
		Average of Peak Amounts =			0.8489	
2	4.149	4.151	-0.002	36965	0.3569	M
2	4.462	4.466	-0.004	25582	0.4107	M
2	4.550	4.554	-0.004	96016	0.6232	M
2	4.689	4.679	0.010	136030	0.8000	M
2	5.121	5.128	-0.007	172998	1.53	M
		Average of Peak Amounts =			0.7435	
					RPD = 13.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.613	4.615	-0.002	42564	NC	
2	5.451	5.443	0.007	57367	NC	M
4 1260 Res 2						M
1	4.675	4.678	-0.003	5782	NC	
2	5.509	5.509	0.000	38212	NC	M
3 1260 Res 3						M
1	4.715	4.717	-0.001	7711	NC	
2	5.577	5.572	0.005	61790	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.577	5.577	0.000	82487	0.0230	
2	7.235	7.235	0.000	70779	0.0248	
					RPD = 7.60	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

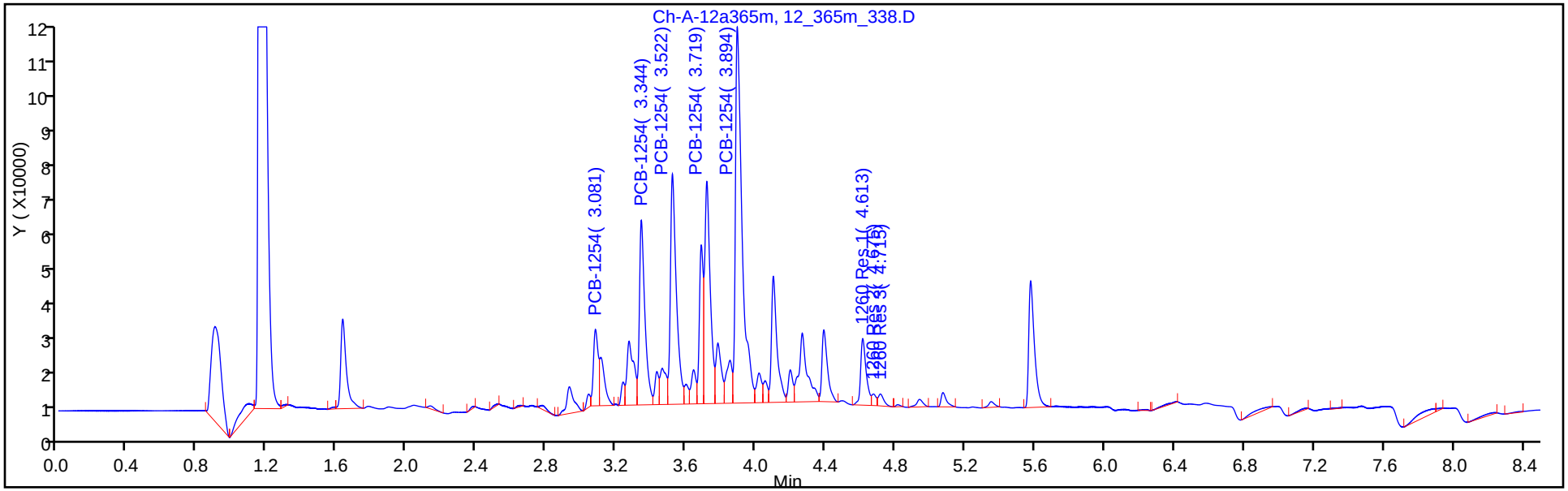
Report Date: 09-Jun-2016 02:18:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

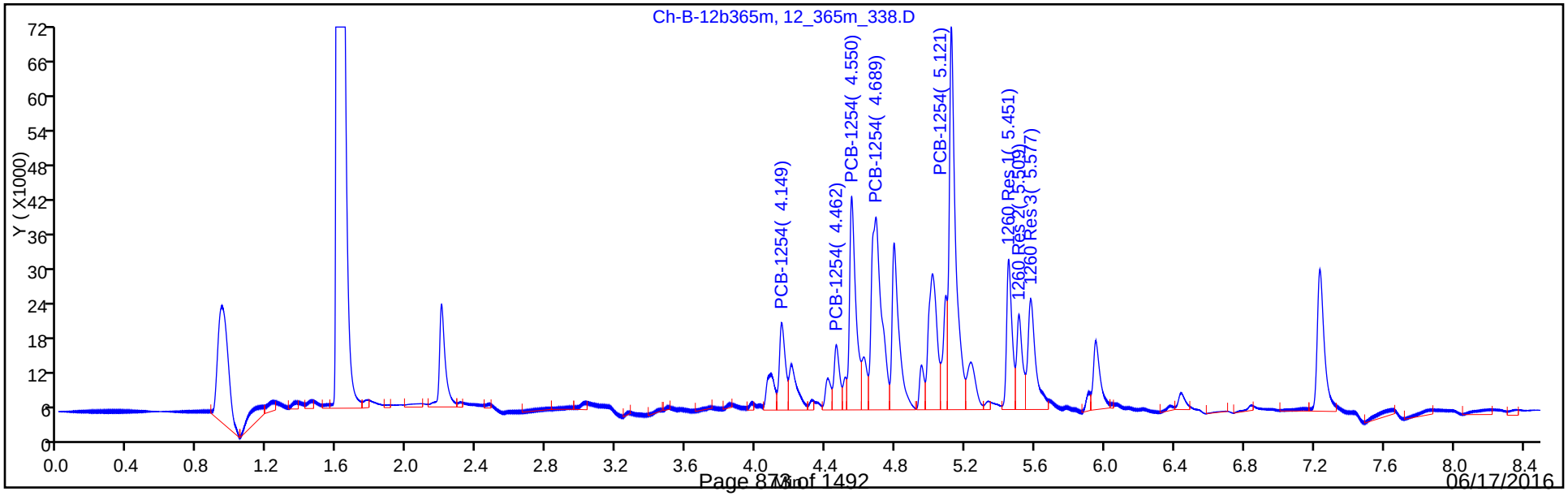
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_338.D

Injection Date:	09-Jun-2016 00:42:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-9-A	Lab Sample ID:	480-101258-9	Worklist Smp#:	32
Client ID:	SS20-9				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_338.D				
Lims ID:	480-101258-A-9-A				
Client ID:	SS20-9				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 00:42:54	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:18:54	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:18:54		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0239	119.73
$ 15 DCB Decachlorobiphenyl	0.0200	0.0230	114.88

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0294	146.99
$ 15 DCB Decachlorobiphenyl	0.0200	0.0248	123.96

Report Date: 09-Jun-2016 02:18:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

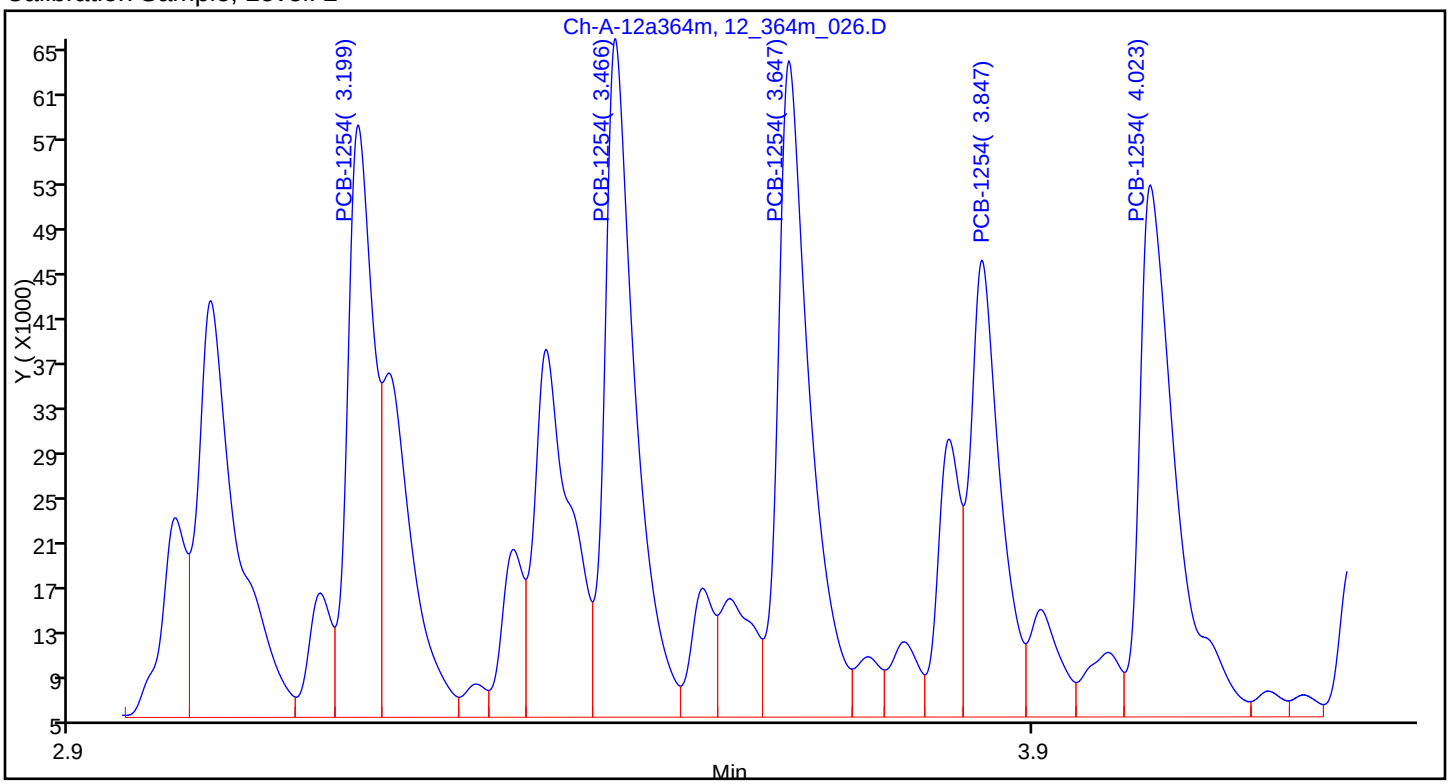
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_338.D

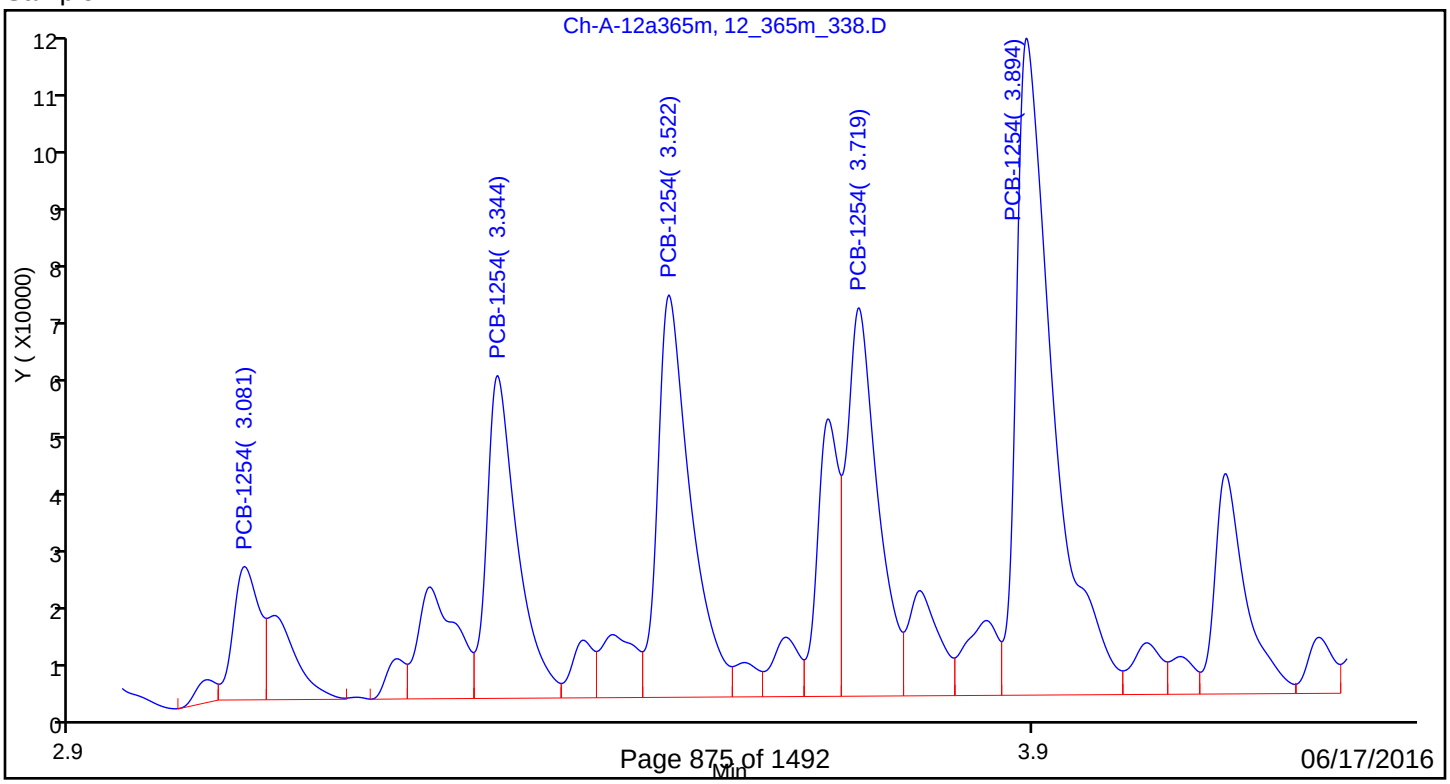
Injection Date:	09-Jun-2016 00:42:54	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-9-A	Lab Sample ID:	480-101258-9		
Client ID:	SS20-9				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-10 | Lab Sample ID: 480-101258-10

Matrix: Solid | Lab File ID: 12_365m_339.D

Analysis Method: 8082A | Date Collected: 06/06/2016 13:35

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.23(g) | Date Analyzed: 06/09/2016 00:58

Con. Extract Vol.: 10(mL) | Dilution Factor: 2

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 5.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.47	0.093
11104-28-2	PCB-1221	ND		0.47	0.093
11141-16-5	PCB-1232	ND		0.47	0.093
53469-21-9	PCB-1242	ND		0.47	0.093
12672-29-6	PCB-1248	ND		0.47	0.093
11097-69-1	PCB-1254	3.3		0.47	0.22
11096-82-5	PCB-1260	ND		0.47	0.22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		60-154
2051-24-3	DCB Decachlorobiphenyl	121		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_339.D
Lims ID: 480-101258-A-10-A
Client ID: SS20-10
Sample Type: Client
Inject. Date: 09-Jun-2016 00:58:13 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 2.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:19:51 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:19:51

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.159	1.159	0.000	1037661	0.5000	M
2	1.607	1.606	0.001	857122	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.632	1.631	0.001	30544	0.0128	
2	2.199	2.198	0.001	21344	0.0146	
					RPD = 13.06	
11 PCB-1254						M
1	3.081	3.091	-0.010	19386	0.1318	
1	3.345	3.355	-0.010	43605	0.2213	
1	3.524	3.535	-0.011	66925	0.3338	
1	3.720	3.733	-0.013	56226	0.4288	
1	3.895	3.908	-0.013	118621	0.6426	
		Average of Peak Amounts =			0.3517	
2	4.149	4.151	-0.002	13165	0.1266	M
2	4.462	4.466	-0.004	8985	0.1437	M
2	4.552	4.554	-0.002	33673	0.2177	M
2	4.689	4.679	0.010	57515	0.3370	M
2	5.123	5.128	-0.005	73113	0.6429	M
		Average of Peak Amounts =			0.2936	
					RPD = 18.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	4.613	4.615	-0.002	20429	NC	
2	5.451	5.443	0.007	22525	NC	
4 1260 Res 2						
1	4.675	4.678	-0.003	2796	NC	
2	5.511	5.509	0.001	16308	NC	
3 1260 Res 3						
1	4.715	4.717	-0.002	3870	NC	
2	5.577	5.572	0.005	24153	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.578	5.577	0.001	43119	0.0121	
2	7.237	7.235	0.002	38222	0.0133	
					RPD = 9.39	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

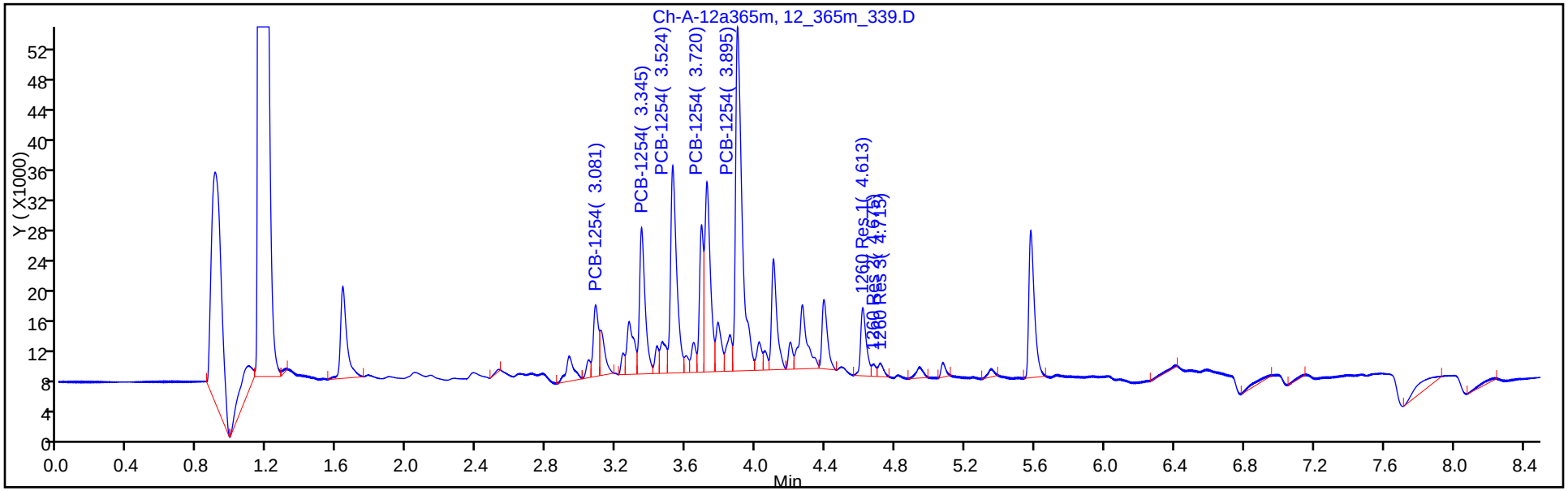
Report Date: 09-Jun-2016 02:19:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

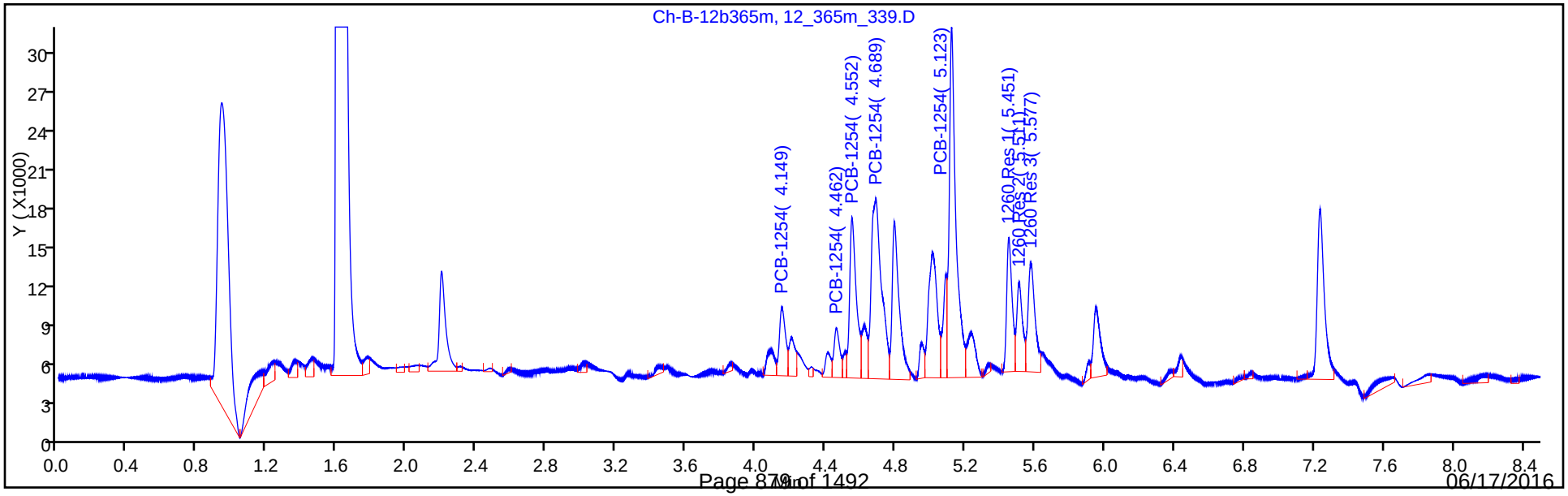
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_339.D

Injection Date:	09-Jun-2016 00:58:13	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-10-A	Lab Sample ID:	480-101258-10	Worklist Smp#:	33
Client ID:	SS20-10				
Injection Vol:	1.0 ul	Dil. Factor:	2.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_339.D				
Lims ID:	480-101258-A-10-A				
Client ID:	SS20-10				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 00:58:13	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	2.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:19:51	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:19:51		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0128	128.37
$ 15 DCB Decachlorobiphenyl	0.0200	0.0121	121.42

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0146	146.31
$ 15 DCB Decachlorobiphenyl	0.0200	0.0133	133.37

Report Date: 09-Jun-2016 02:19:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

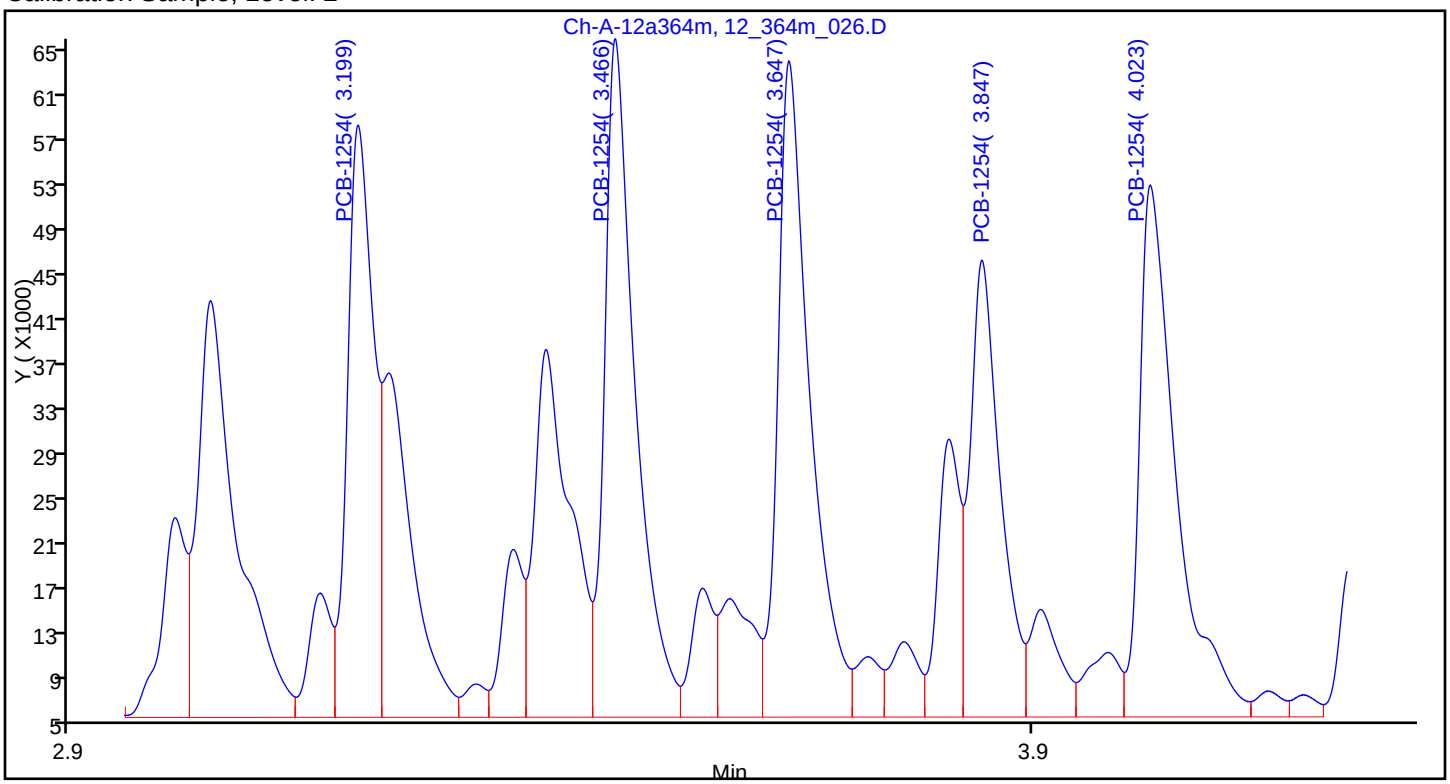
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_339.D

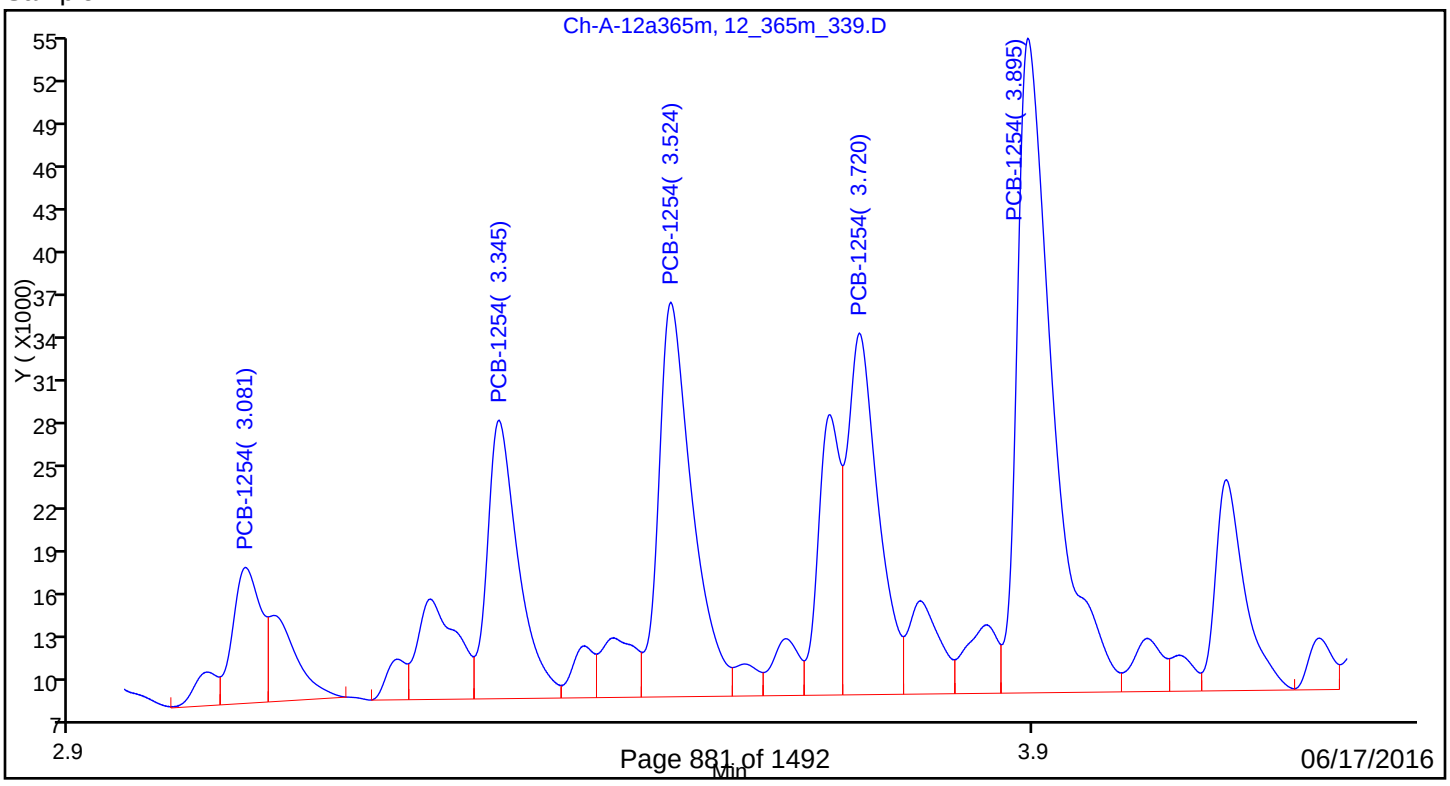
Injection Date:	09-Jun-2016 00:58:13	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-10-A	Lab Sample ID:	480-101258-10		
Client ID:	SS20-10				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	2.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

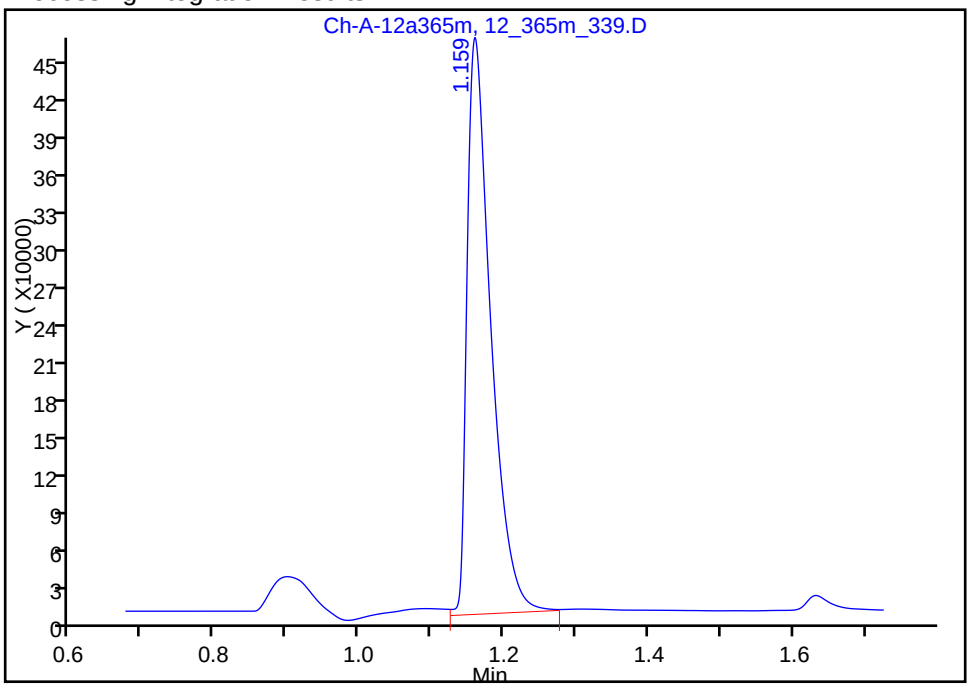
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_339.D				
Injection Date:	09-Jun-2016 00:58:13	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-10-A	Lab Sample ID:	480-101258-10		
Client ID:	SS20-10				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	2.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

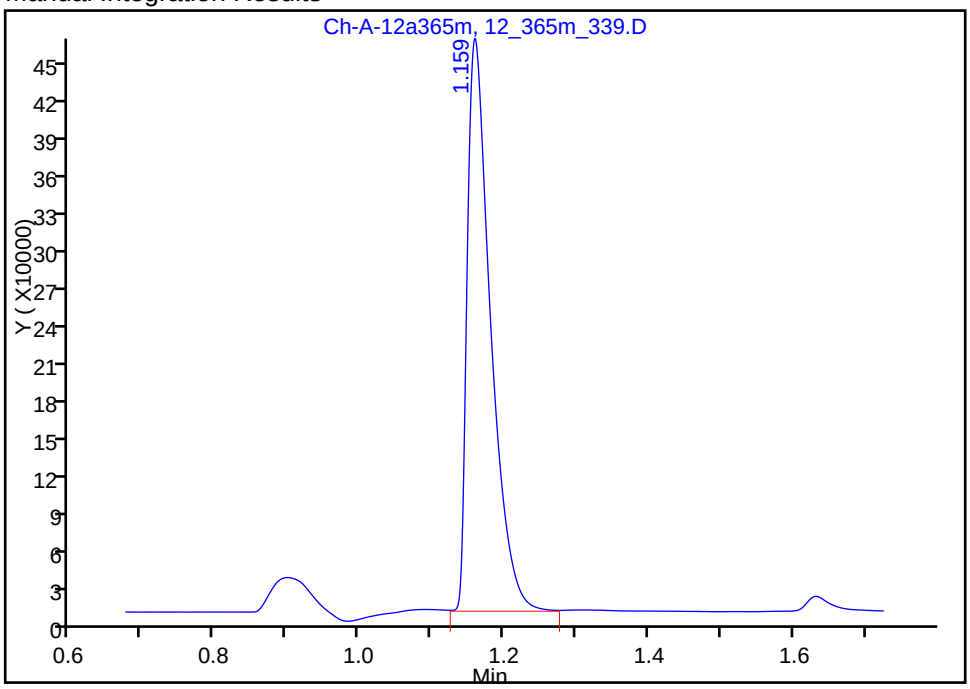
Processing Integration Results

RT: 1.16
Area: 1056878
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 1037661
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 09-Jun-2016 02:19:51

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-11 | Lab Sample ID: 480-101258-11

Matrix: Solid | Lab File ID: 12_365m_340.D

Analysis Method: 8082A | Date Collected: 06/06/2016 13:37

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.14(g) | Date Analyzed: 06/09/2016 01:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.26	0.050
11104-28-2	PCB-1221	ND		0.26	0.050
11141-16-5	PCB-1232	ND		0.26	0.050
53469-21-9	PCB-1242	ND		0.26	0.050
12672-29-6	PCB-1248	ND		0.26	0.050
11097-69-1	PCB-1254	1.9		0.26	0.12
11096-82-5	PCB-1260	ND		0.26	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	137		60-154
2051-24-3	DCB Decachlorobiphenyl	141		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_340.D
Lims ID: 480-101258-A-11-A
Client ID: SS20-11
Sample Type: Client
Inject. Date: 09-Jun-2016 01:13:35 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:30:46 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:30:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.161	1.159	0.002	962867	0.5000	
2	1.607	1.606	0.001	782385	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.633	1.631	0.002	60678	0.0275	
2	2.199	2.198	0.001	42941	0.0322	
					RPD = 15.95	
11 PCB-1254						M
1	3.082	3.091	-0.009	8721	0.0639	
1	3.346	3.355	-0.009	44138	0.2414	M
1	3.525	3.535	-0.010	63374	0.3407	M
1	3.720	3.733	-0.013	57734	0.4745	M
1	3.896	3.908	-0.012	127520	0.7444	M
		Average of Peak Amounts =			0.3730	
2	4.149	4.151	-0.002	10748	0.1132	M
2	4.461	4.466	-0.005	7999	0.1402	M
2	4.551	4.554	-0.003	33435	0.2368	M
2	4.689	4.679	0.010	52689	0.3382	M
2	5.123	5.128	-0.005	78319	0.7544	M
		Average of Peak Amounts =			0.3166	
					RPD = 16.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.615	4.615	-0.001	20716	NC	
2	5.451	5.443	0.007	27919	NC	M
4 1260 Res 2						M
1	4.677	4.678	-0.001	2959	NC	
2	5.511	5.509	0.001	18822	NC	M
3 1260 Res 3						M
1	4.713	4.717	-0.003	3654	NC	
2	5.577	5.572	0.005	28838	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.576	5.577	-0.001	92830	0.0282	
2	7.235	7.235	0.000	78219	0.0299	
					RPD = 5.96	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

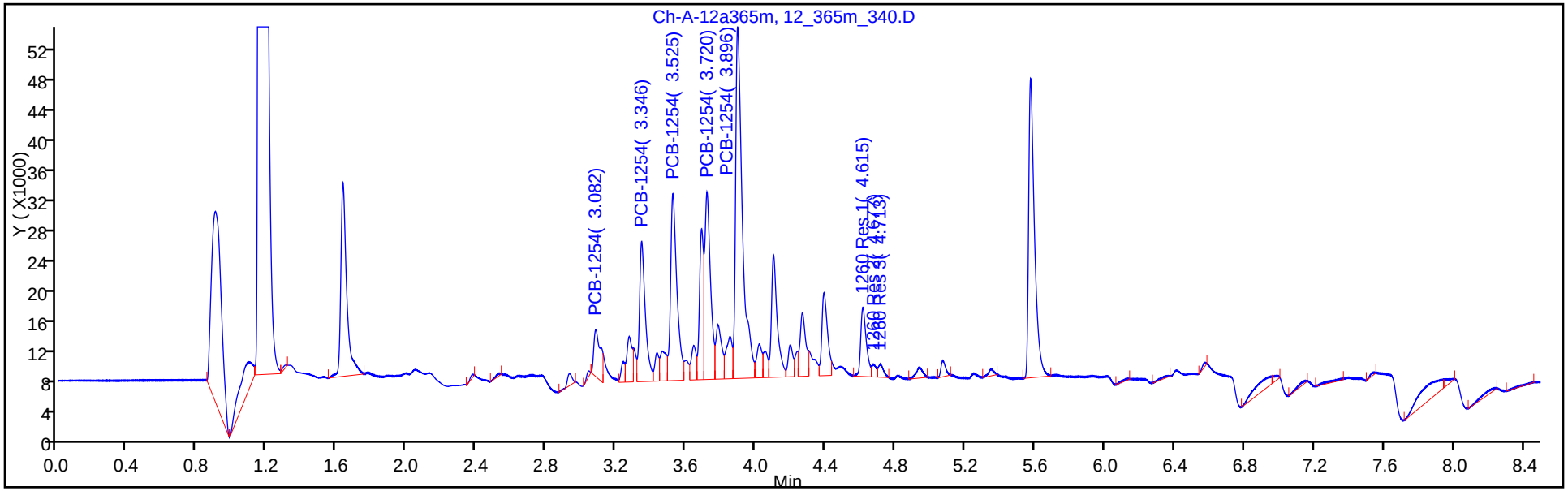
Report Date: 09-Jun-2016 02:30:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

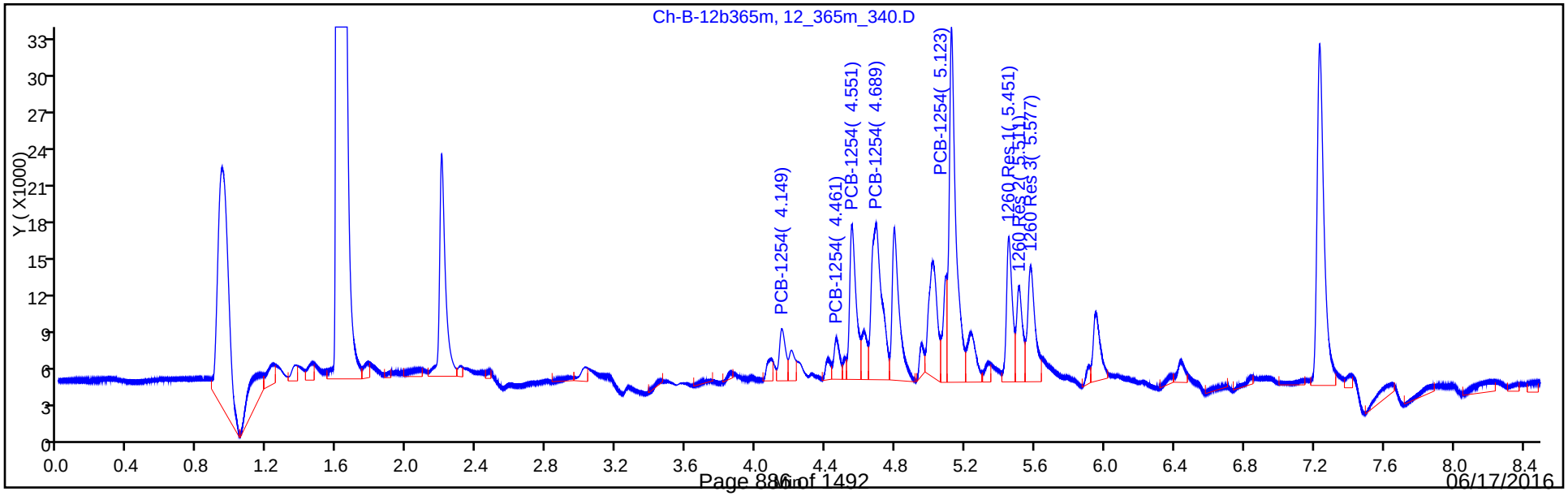
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_340.D

Injection Date:	09-Jun-2016 01:13:35	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-11-A	Lab Sample ID:	480-101258-11	Worklist Smp#:	34
Client ID:	SS20-11				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_340.D				
Lims ID:	480-101258-A-11-A				
Client ID:	SS20-11				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 01:13:35	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:30:46	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:30:46		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0275	137.42
$ 15 DCB Decachlorobiphenyl	0.0200	0.0282	140.85

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0322	161.24
$ 15 DCB Decachlorobiphenyl	0.0200	0.0299	149.51

Report Date: 09-Jun-2016 02:30:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

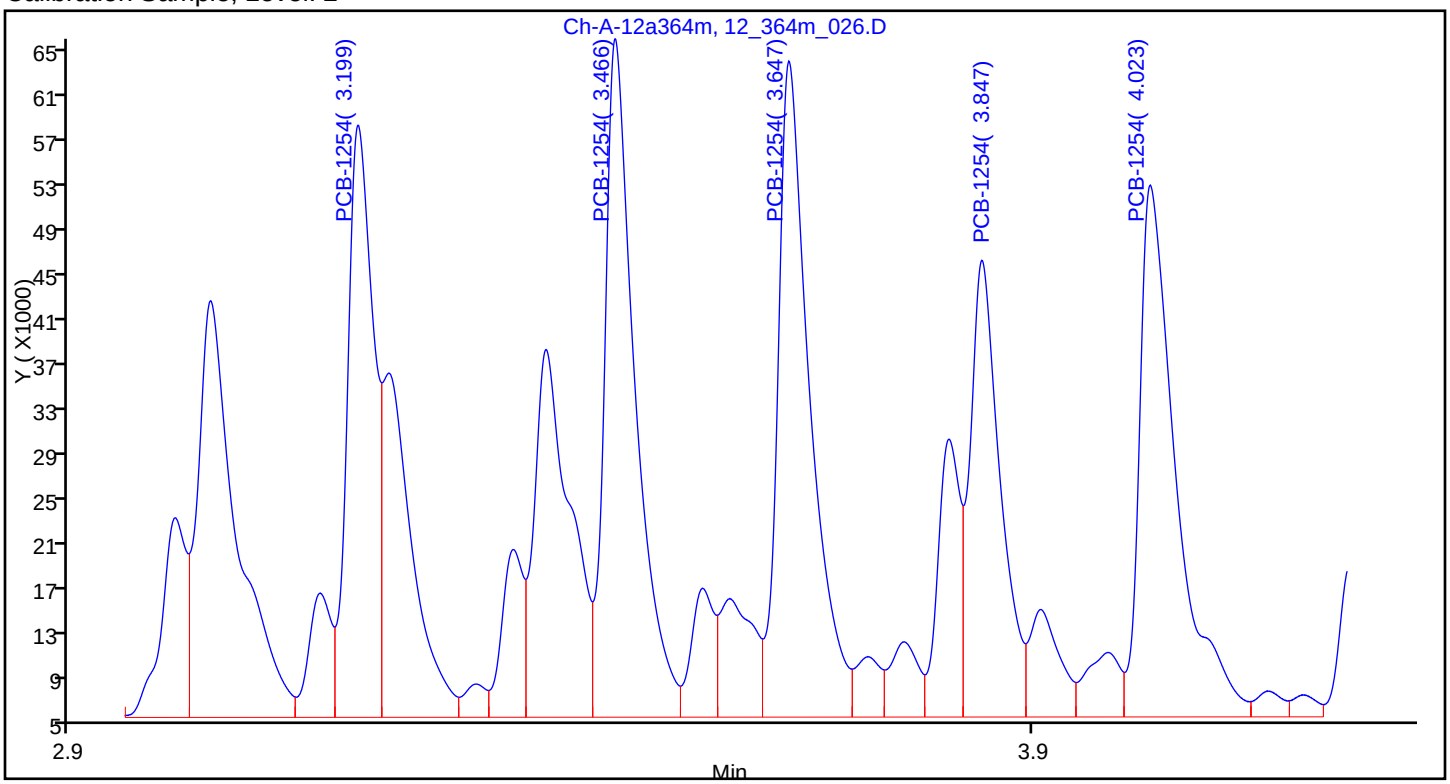
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_340.D

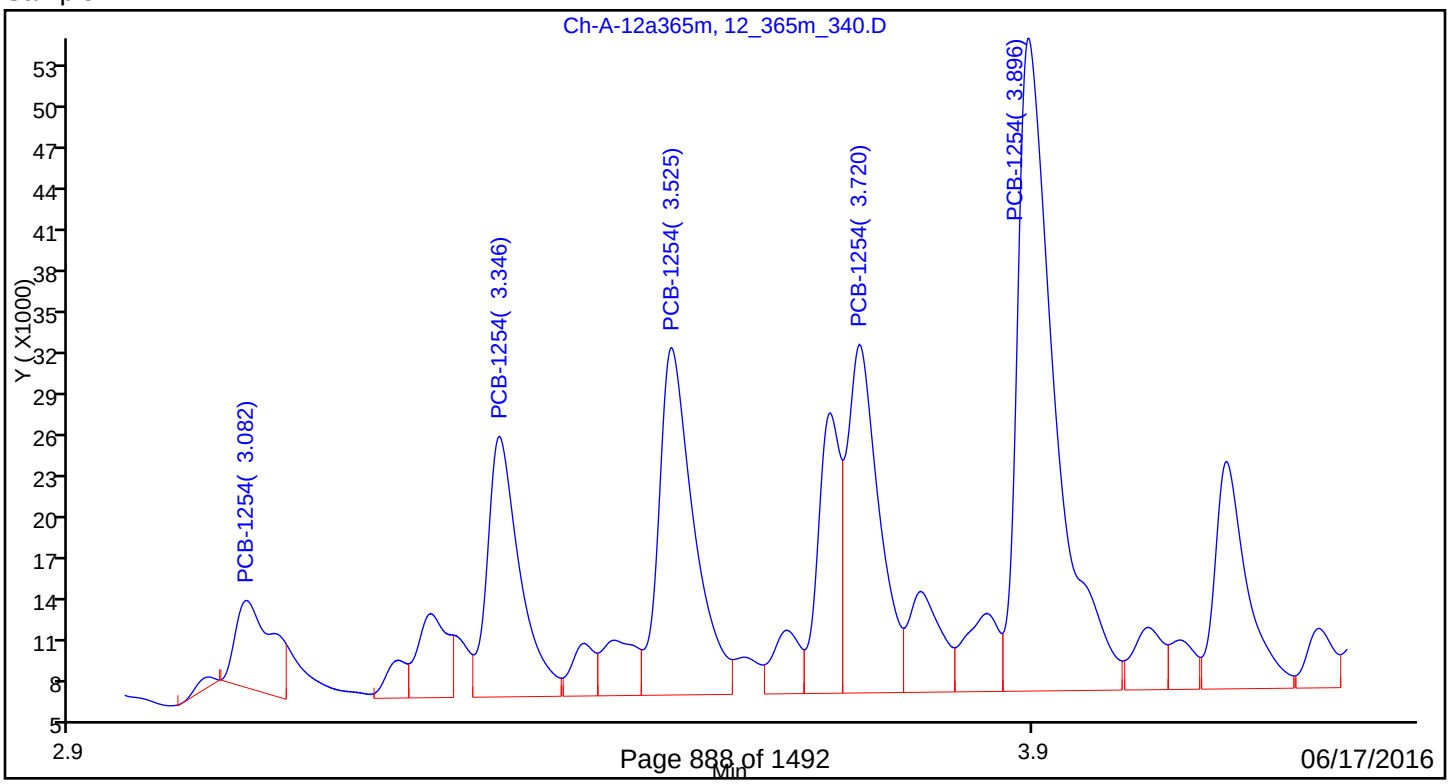
Injection Date:	09-Jun-2016 01:13:35	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-11-A	Lab Sample ID:	480-101258-11		
Client ID:	SS20-11				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



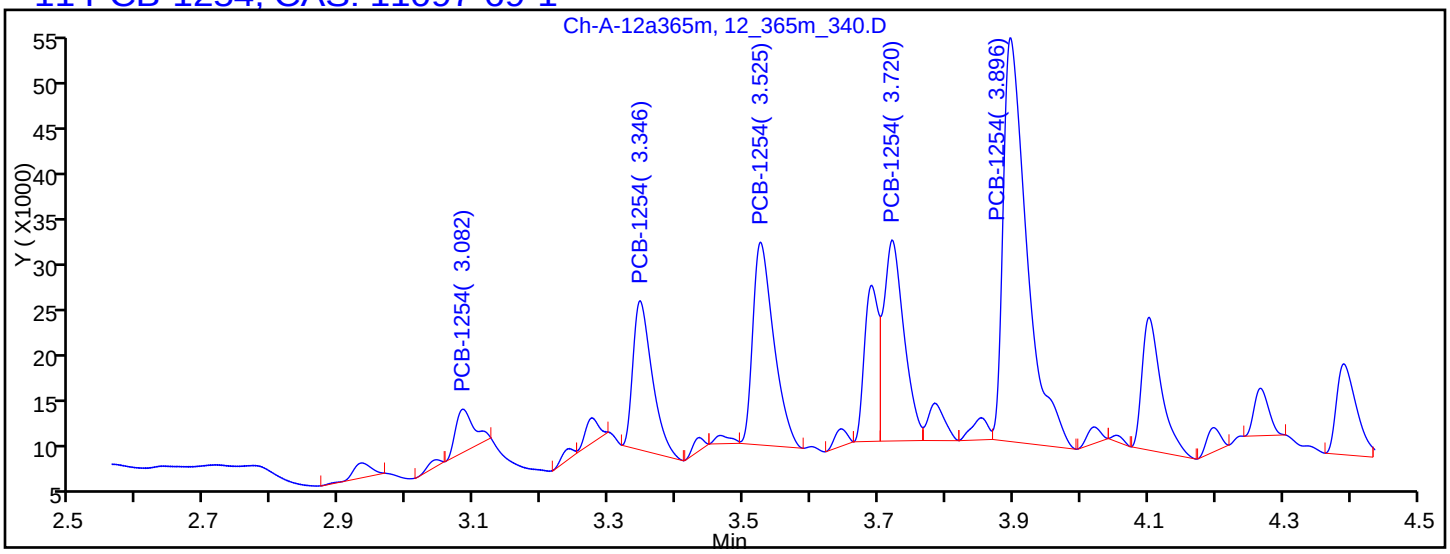
Report Date: 09-Jun-2016 02:30:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_340.D

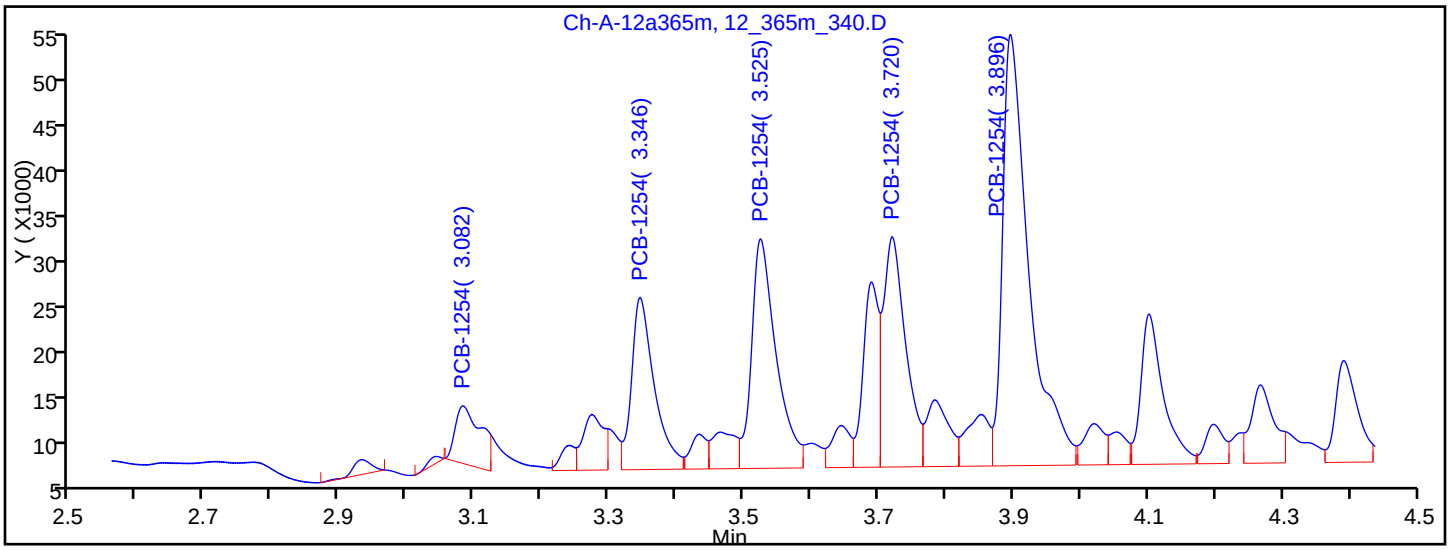
Injection Date:	09-Jun-2016 01:13:35	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-11-A	Lab Sample ID:	480-101258-11		
Client ID:	SS20-11				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.082	Response = 8721	
RT = 3.346	Response = 32281	M
RT = 3.525	Response = 47530	M
RT = 3.720	Response = 45644	M
RT = 3.896	Response = 107796	M



Manual Integration Results

RT = 3.082	Response = 8721	
RT = 3.346	Response = 44138	M
RT = 3.525	Response = 63374	M
RT = 3.720	Response = 57734	M
RT = 3.896	Response = 127520	M

Reviewer: sobolk, 09-Jun-2016 02:30:46

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-12 | Lab Sample ID: 480-101258-12

Matrix: Solid | Lab File ID: 12_365m_341.D

Analysis Method: 8082A | Date Collected: 06/06/2016 13:39

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.25(g) | Date Analyzed: 06/09/2016 01:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 16.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.052
11104-28-2	PCB-1221	ND		0.27	0.052
11141-16-5	PCB-1232	ND		0.27	0.052
53469-21-9	PCB-1242	ND		0.27	0.052
12672-29-6	PCB-1248	ND		0.27	0.052
11097-69-1	PCB-1254	1.0		0.27	0.12
11096-82-5	PCB-1260	ND		0.27	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	127		60-154
2051-24-3	DCB Decachlorobiphenyl	118		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_341.D
Lims ID: 480-101258-A-12-A
Client ID: SS20-12
Sample Type: Client
Inject. Date: 09-Jun-2016 01:28:56 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:32:00 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:32:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.160	1.159	0.001	985975	0.5000	M
2	1.607	1.606	0.001	812439	0.5000	M
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						M
1	1.631	1.631	0.000	57382	0.0254	
2	2.198	2.198	0.000	39241	0.0284	M
					RPD = 11.15	
11 PCB-1254						M
1	3.083	3.091	-0.008	11241	0.0804	M
1	3.346	3.355	-0.009	22220	0.1187	M
1	3.525	3.535	-0.010	36261	0.1904	M
1	3.720	3.733	-0.013	30259	0.2428	M
1	3.897	3.908	-0.011	62432	0.3559	M
		Average of Peak Amounts =			0.1976	
2	4.151	4.151	0.000	5660	0.0574	M
2	4.464	4.466	-0.002	2875	0.0485	M
2	4.553	4.554	-0.001	17323	0.1182	M
2	4.689	4.679	0.010	30317	0.1874	M
2	5.123	5.128	-0.005	41491	0.3849	M
		Average of Peak Amounts =			0.1593	
					RPD = 21.50	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.613	4.615	-0.002	8940	NC	
2	5.453	5.443	0.009	15348	NC	M
3 1260 Res 3						M
1	4.713	4.717	-0.003	822	NC	
2	5.577	5.572	0.005	14860	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.577	5.577	0.000	79815	0.0237	
2	7.234	7.235	-0.001	68366	0.0252	
					RPD = 6.21	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

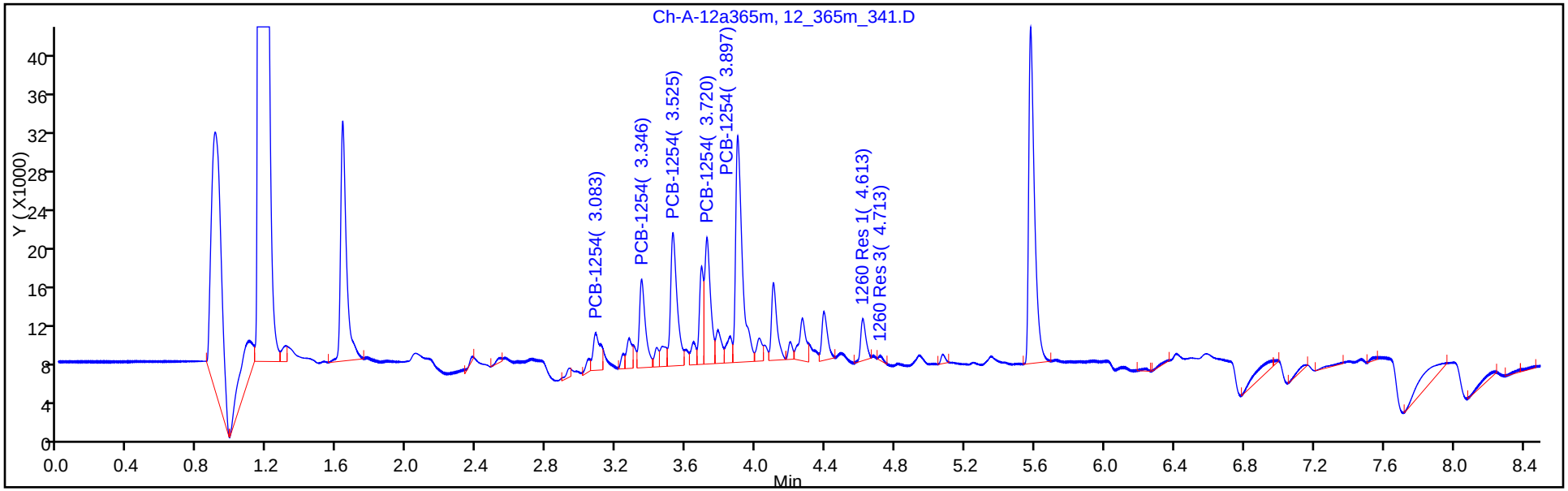
Report Date: 09-Jun-2016 02:32:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

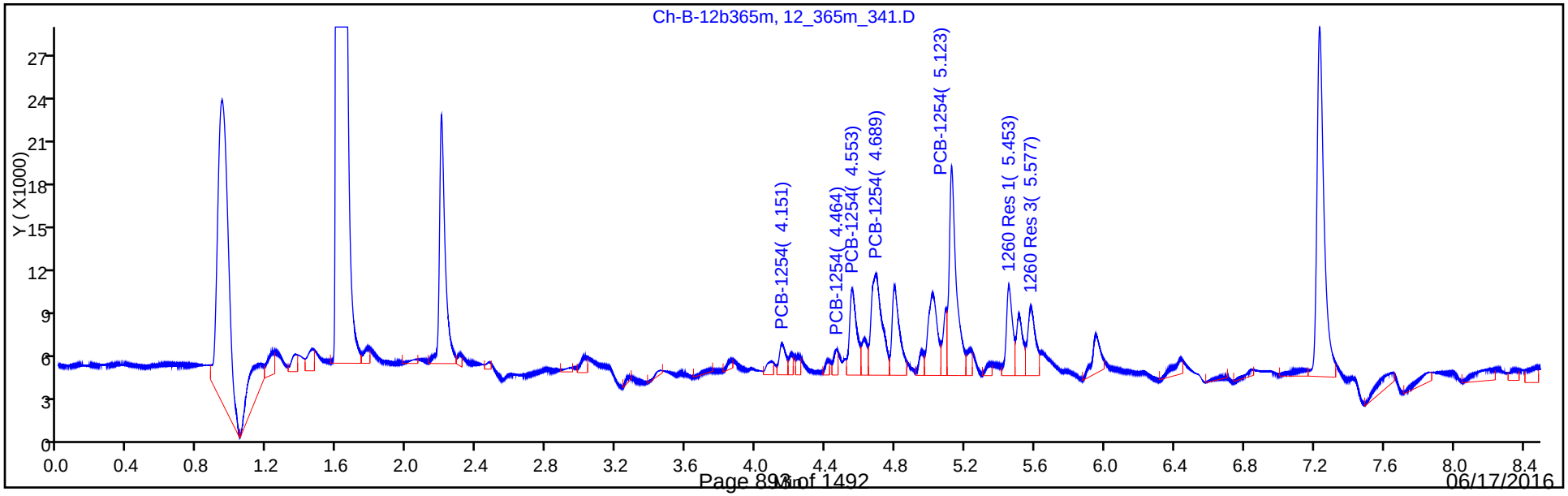
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_341.D

Injection Date:	09-Jun-2016 01:28:56	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-12-A	Lab Sample ID:	480-101258-12	Worklist Smp#:	35
Client ID:	SS20-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_341.D
Lims ID: 480-101258-A-12-A
Client ID: SS20-12
Sample Type: Client
Inject. Date: 09-Jun-2016 01:28:56 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:32:00 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:32:00

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0254	126.91
$ 15 DCB Decachlorobiphenyl	0.0200	0.0237	118.26

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0284	141.90
$ 15 DCB Decachlorobiphenyl	0.0200	0.0252	125.84

Report Date: 09-Jun-2016 02:32:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

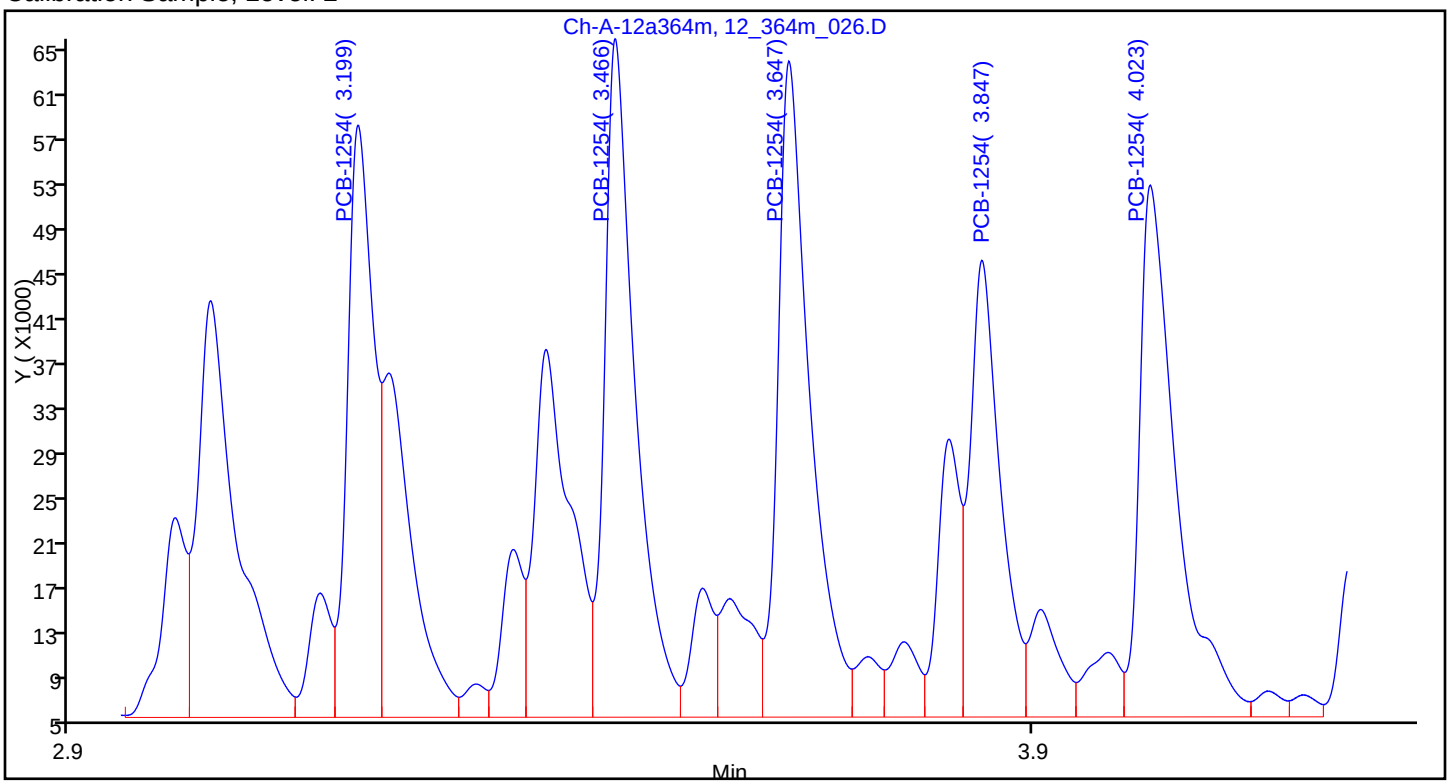
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_341.D

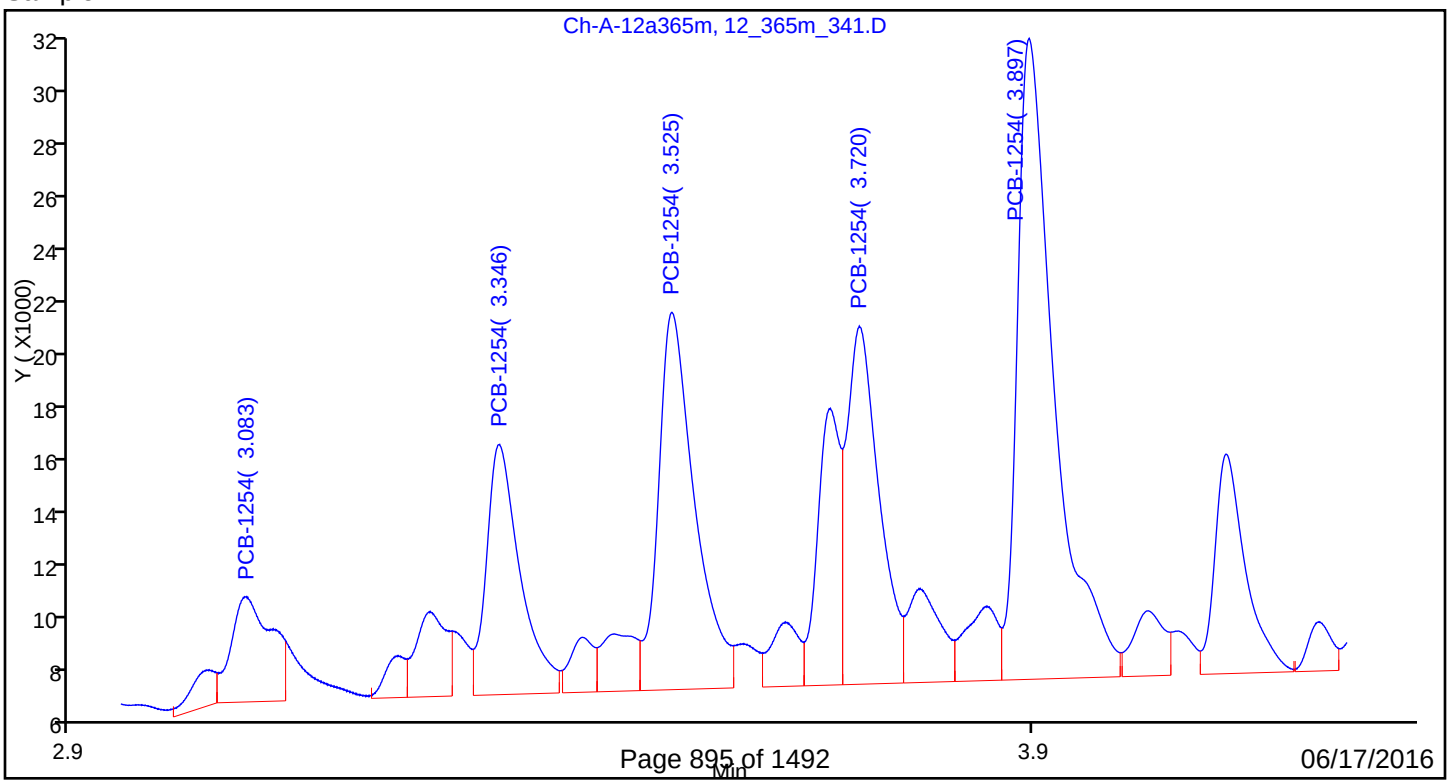
Injection Date:	09-Jun-2016 01:28:56	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-12-A	Lab Sample ID:	480-101258-12		
Client ID:	SS20-12				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



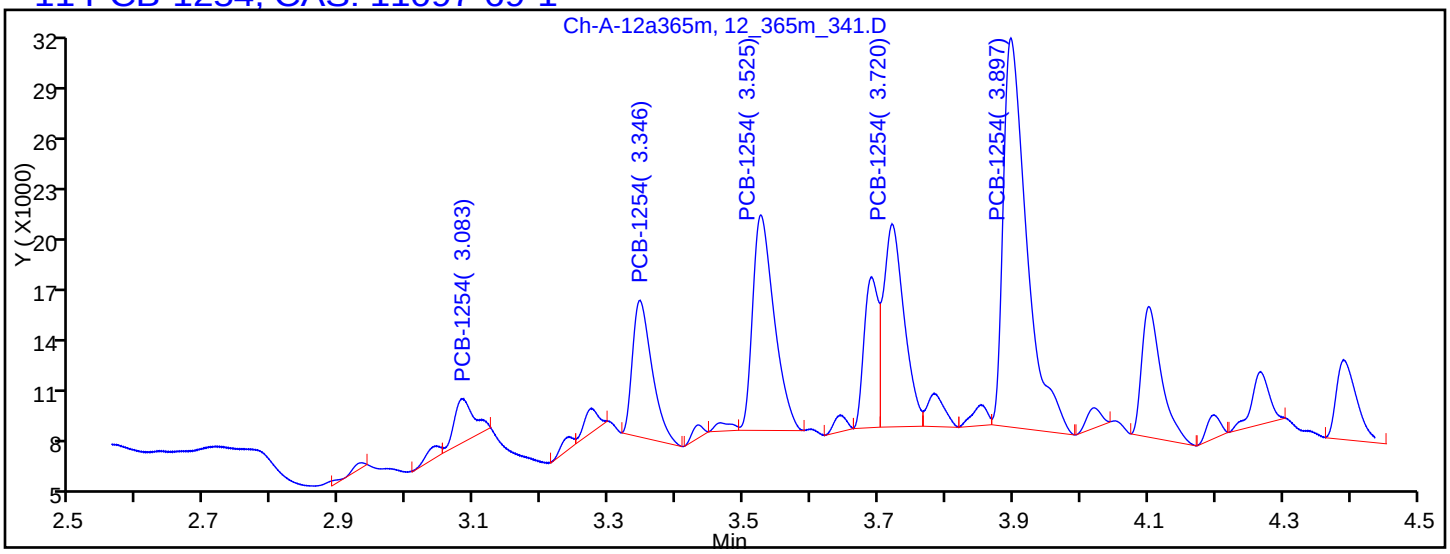
Report Date: 09-Jun-2016 02:32:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_341.D

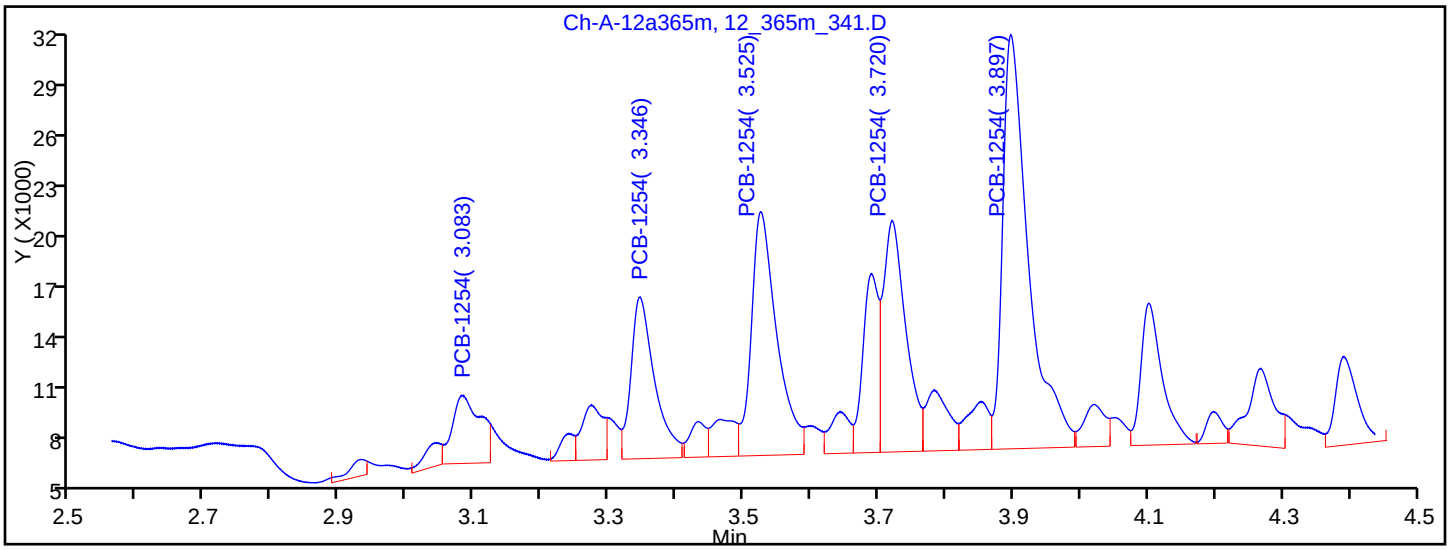
Injection Date:	09-Jun-2016 01:28:56	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-12-A	Lab Sample ID:	480-101258-12		
Client ID:	SS20-12				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.083	Response = 4965	M
RT = 3.346	Response = 15598	M
RT = 3.525	Response = 27040	M
RT = 3.720	Response = 24196	M
RT = 3.897	Response = 53404	M



Manual Integration Results

RT = 3.083	Response = 11241	M
RT = 3.346	Response = 22220	M
RT = 3.525	Response = 36261	M
RT = 3.720	Response = 30259	M
RT = 3.897	Response = 62432	M

Reviewer: sobolk, 09-Jun-2016 02:32:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

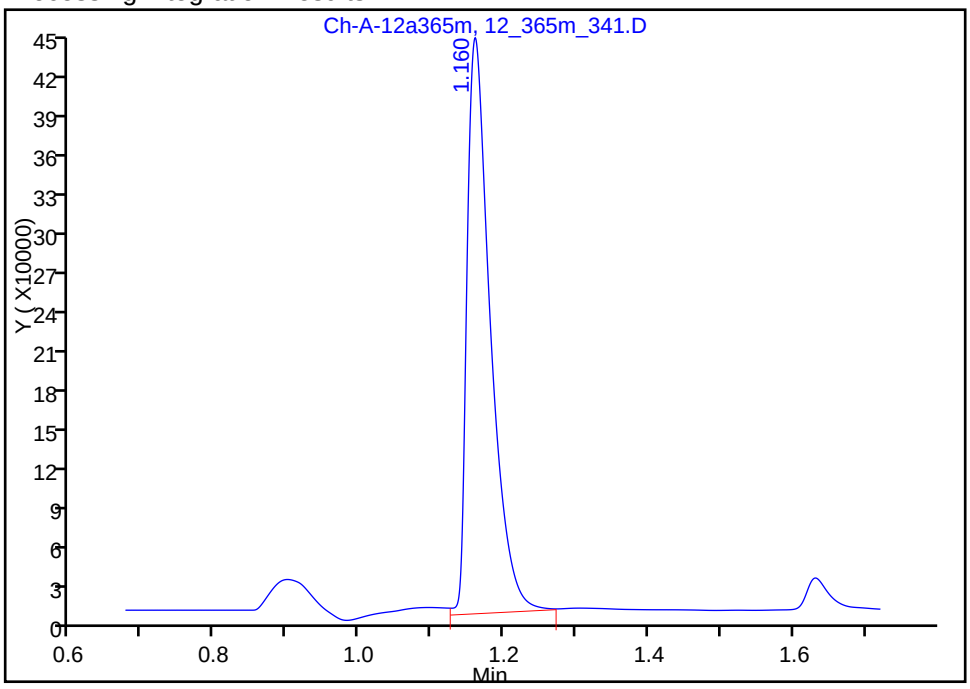
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_341.D				
Injection Date:	09-Jun-2016 01:28:56	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-12-A	Lab Sample ID:	480-101258-12		
Client ID:	SS20-12				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

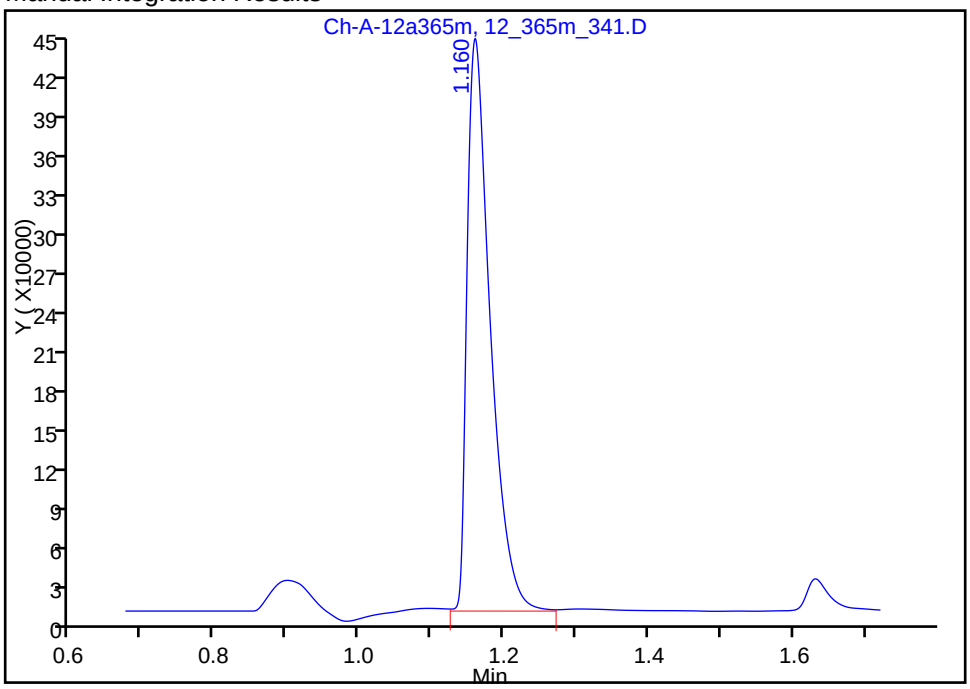
Processing Integration Results

RT: 1.16
Area: 1000662
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 985975
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 09-Jun-2016 02:32:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS20-13 | Lab Sample ID: 480-101258-13

Matrix: Solid | Lab File ID: 12_366m_001.D

Analysis Method: 8082A | Date Collected: 06/06/2016 13:40

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.36(g) | Date Analyzed: 06/09/2016 02:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 9.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.24	0.046
11104-28-2	PCB-1221	ND		0.24	0.046
11141-16-5	PCB-1232	ND		0.24	0.046
53469-21-9	PCB-1242	ND		0.24	0.046
12672-29-6	PCB-1248	ND		0.24	0.046
11097-69-1	PCB-1254	1.8		0.24	0.11
11096-82-5	PCB-1260	ND		0.24	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	131		60-154
2051-24-3	DCB Decachlorobiphenyl	123		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_001.D
Lims ID: 480-101258-A-13-A
Client ID: SS20-13
Sample Type: Client
Inject. Date: 09-Jun-2016 02:07:58 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:33:17 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:33:17

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.163	1.159	0.004	958304	0.5000	
2	1.609	1.606	0.003	760690	0.5000	M
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.639	1.631	0.008	57551	0.0262	
2	2.203	2.198	0.005	39017	0.0301	
					RPD = 14.01	
11 PCB-1254						M
1	3.095	3.091	0.004	24985	0.1839	
1	3.358	3.355	0.003	45627	0.2507	
1	3.537	3.535	0.002	60999	0.3295	
1	3.734	3.733	0.001	56873	0.4696	
1	3.909	3.908	0.001	120189	0.7050	
		Average of Peak Amounts =			0.3877	
2	4.155	4.151	0.004	11953	0.1295	M
2	4.468	4.466	0.002	9795	0.1765	M
2	4.558	4.554	0.004	37689	0.2746	M
2	4.696	4.679	0.017	54608	0.3605	M
2	5.129	5.128	0.001	77698	0.7698	M
		Average of Peak Amounts =			0.3422	
					RPD = 12.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	4.627	4.615	0.012	19059	NC	
2	5.457	5.443	0.014	24134	NC	
4 1260 Res 2						
1	4.687	4.678	0.009	2205	NC	
2	5.516	5.509	0.007	15956	NC	
3 1260 Res 3						
1	4.729	4.717	0.012	2879	NC	
2	5.583	5.572	0.011	23720	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.589	5.577	0.012	80880	0.0247	
2	7.246	7.235	0.011	71417	0.0281	
					RPD = 12.97	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

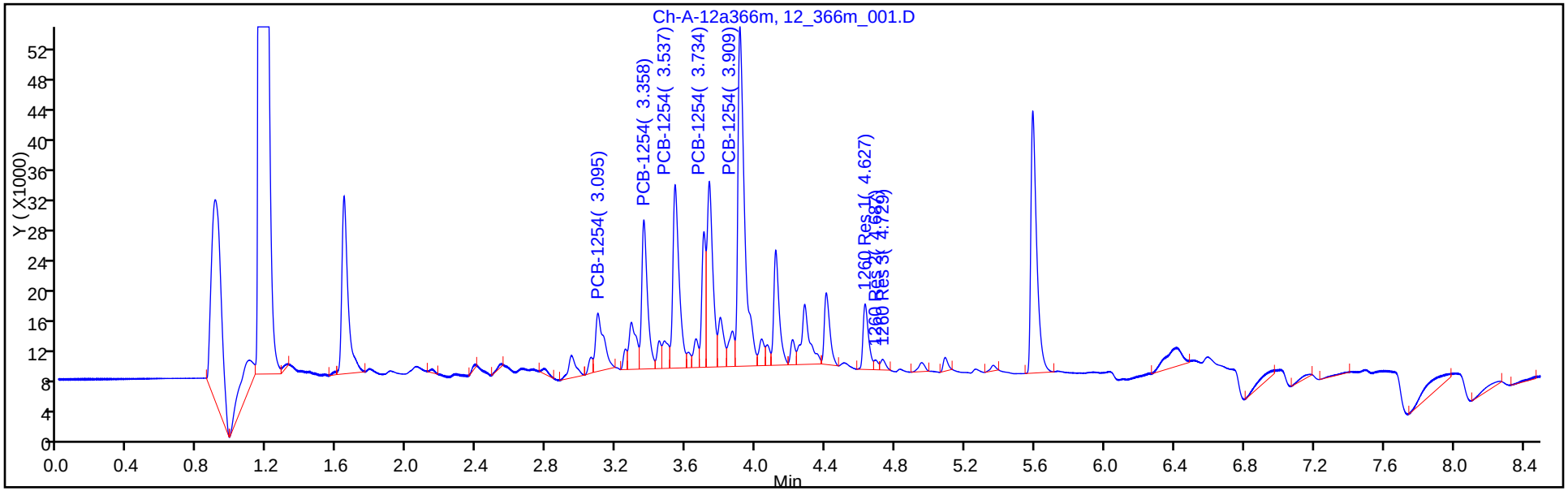
Report Date: 09-Jun-2016 02:33:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

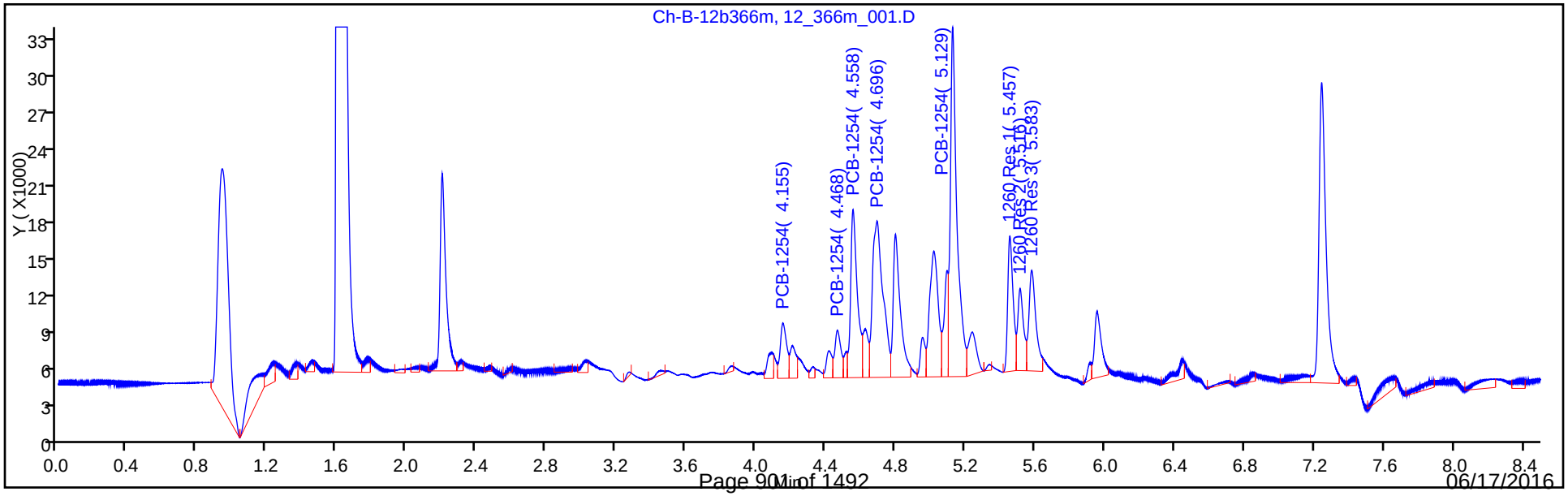
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_001.D

Injection Date:	09-Jun-2016 02:07:58	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-13-A	Lab Sample ID:	480-101258-13	Worklist Smp#:	36
Client ID:	SS20-13				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_001.D				
Lims ID:	480-101258-A-13-A				
Client ID:	SS20-13				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 02:07:58	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:33:17	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:33:17		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0262	130.96
$ 15 DCB Decachlorobiphenyl	0.0200	0.0247	123.30

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0301	150.68
$ 15 DCB Decachlorobiphenyl	0.0200	0.0281	140.40

Report Date: 09-Jun-2016 02:33:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

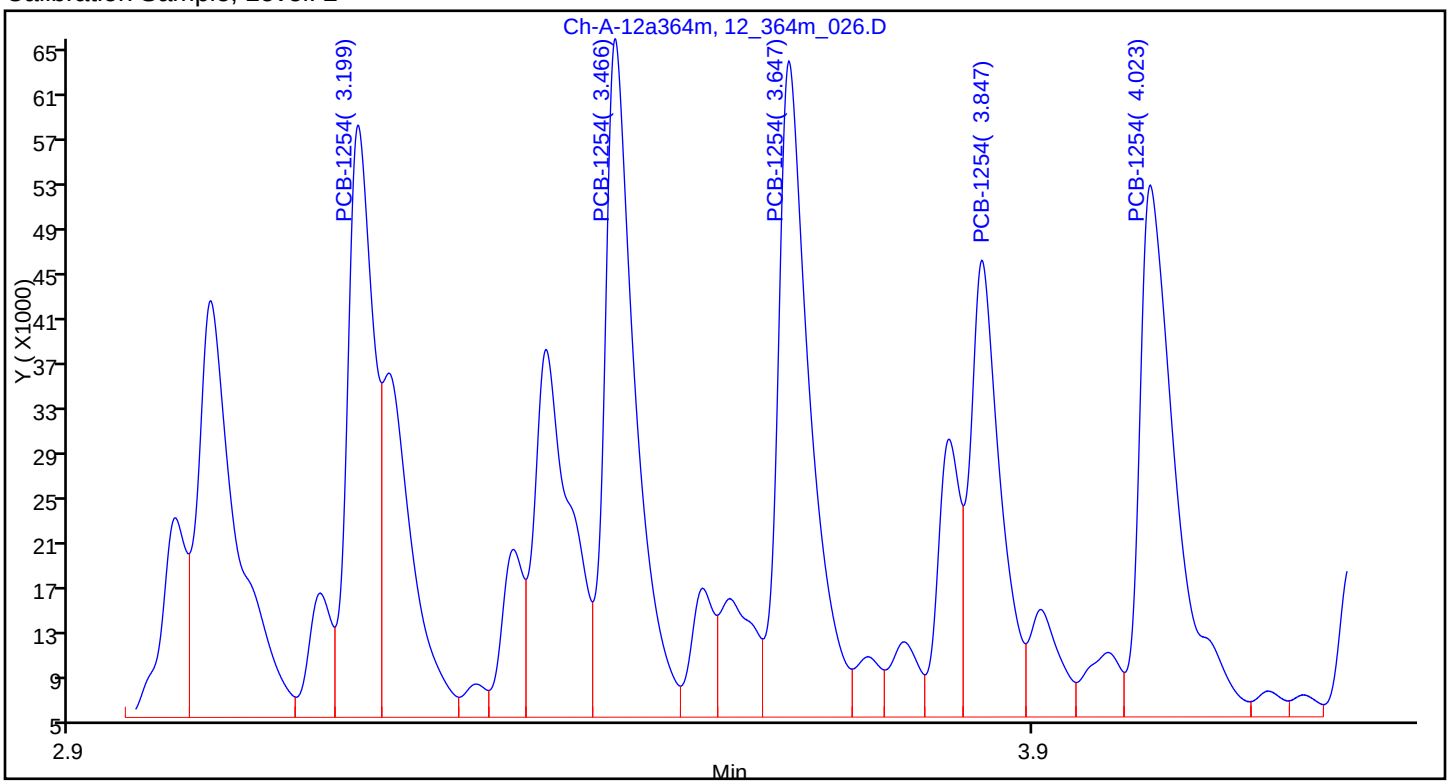
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_001.D

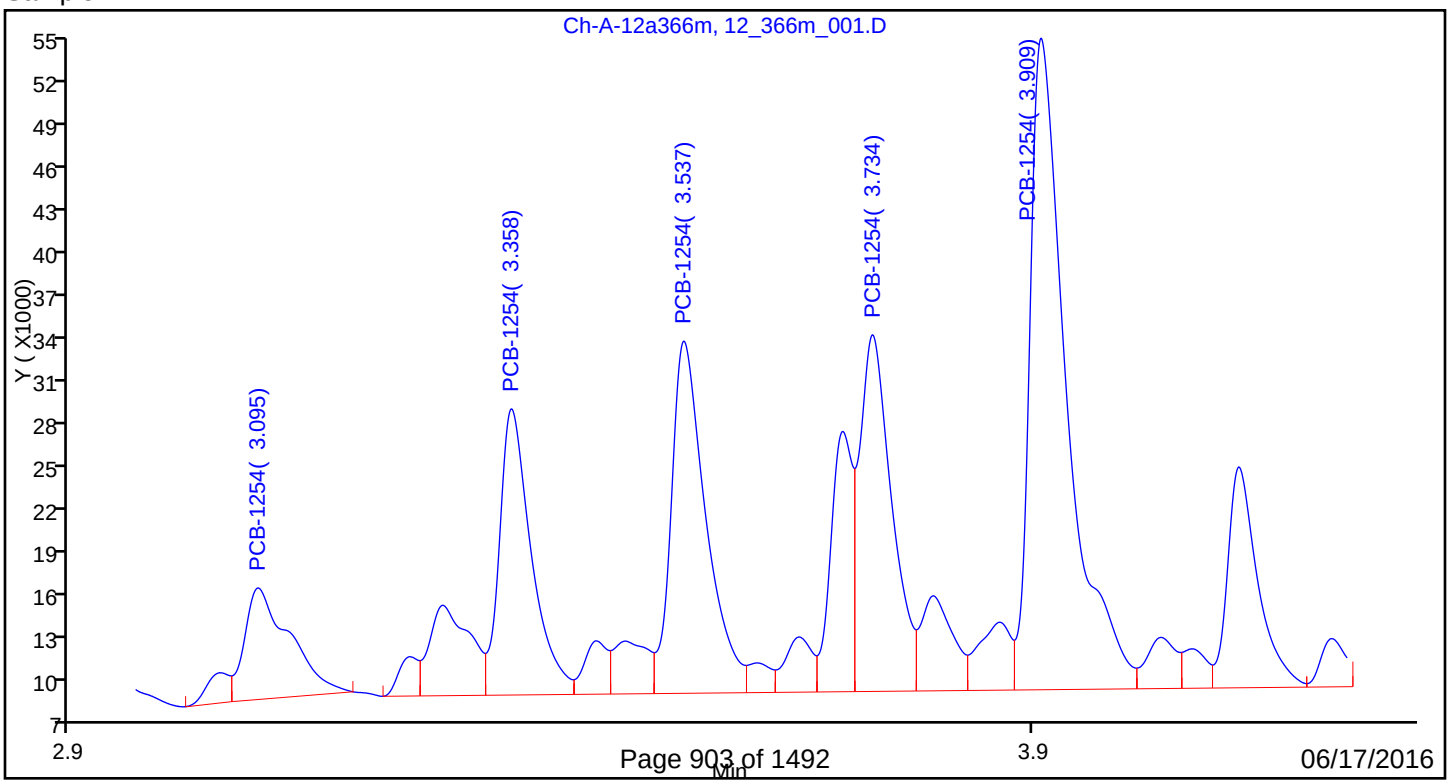
Injection Date:	09-Jun-2016 02:07:58	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-13-A	Lab Sample ID:	480-101258-13		
Client ID:	SS20-13				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-9 | Lab Sample ID: 480-101258-14

Matrix: Solid | Lab File ID: 12_366m_002.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:10

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.30(g) | Date Analyzed: 06/09/2016 02:23

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.29	0.056
11104-28-2	PCB-1221	ND		0.29	0.056
11141-16-5	PCB-1232	ND		0.29	0.056
53469-21-9	PCB-1242	ND		0.29	0.056
12672-29-6	PCB-1248	ND		0.29	0.056
11097-69-1	PCB-1254	1.2		0.29	0.13
11096-82-5	PCB-1260	ND		0.29	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	145		60-154
2051-24-3	DCB Decachlorobiphenyl	140		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_002.D
Lims ID: 480-101258-A-14-A
Client ID: SS7-9
Sample Type: Client
Inject. Date: 09-Jun-2016 02:23:18 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 10:47:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 10:47:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.162	1.157	0.005	884272	0.5000	M
2	1.609	1.605	0.004	733190	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						M
1	1.636	1.631	0.005	58675	0.0289	M
2	2.201	2.198	0.003	41399	0.0332	
					RPD = 13.64	
11 PCB-1254						M
1	3.085	3.091	-0.006	18658	0.1488	M
1	3.349	3.355	-0.006	25738	0.1533	M
1	3.529	3.535	-0.006	39836	0.2332	M
1	3.724	3.733	-0.009	26675	0.2387	M
1	3.901	3.908	-0.007	45671	0.2903	M
		Average of Peak Amounts =			0.2129	
2	4.153	4.151	0.002	9326	0.1048	
2	4.466	4.466	0.000	3141	0.0587	
2	4.556	4.554	0.002	16007	0.1210	
2	4.691	4.679	0.012	26404	0.1808	
2	5.127	5.128	-0.001	23937	0.2460	
		Average of Peak Amounts =			0.1423	
					RPD = 39.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.617	4.615	0.001	7761	NC	M
2	5.453	5.443	0.010	7282	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.581	5.577	0.004	84840	0.0280	
2	7.239	7.235	0.004	72944	0.0298	
					RPD = 5.96	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

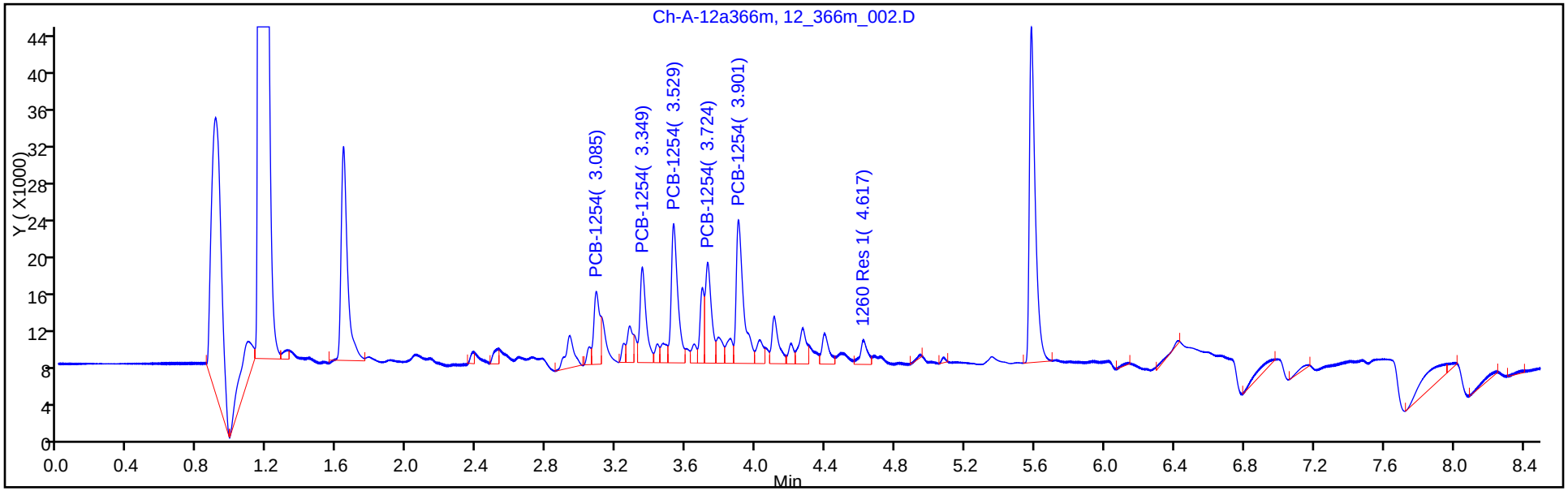
Report Date: 09-Jun-2016 10:47:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

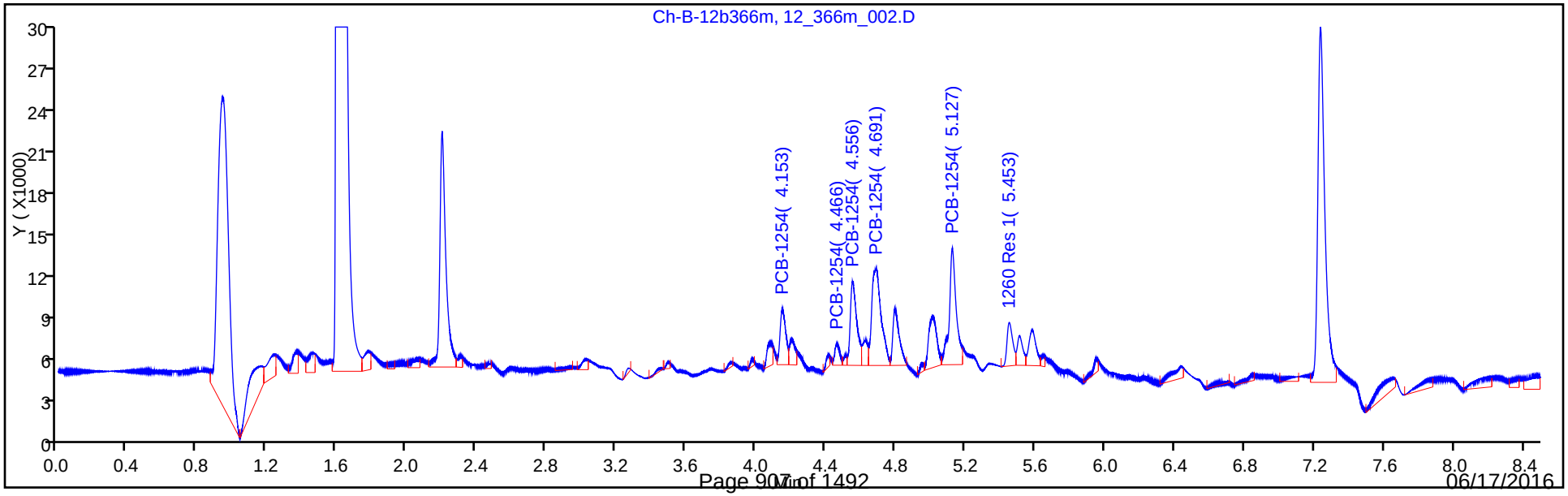
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_002.D

Injection Date:	09-Jun-2016 02:23:18	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-14-A	Lab Sample ID:	480-101258-14	Worklist Smp#:	37
Client ID:	SS7-9				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_002.D				
Lims ID:	480-101258-A-14-A				
Client ID:	SS7-9				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 02:23:18	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 10:47:44	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK022				
First Level Reviewer: owenj		Date:	09-Jun-2016 10:47:44		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0289	144.69
$ 15 DCB Decachlorobiphenyl	0.0200	0.0280	140.17

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0332	165.88
$ 15 DCB Decachlorobiphenyl	0.0200	0.0298	148.78

Report Date: 09-Jun-2016 10:47:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

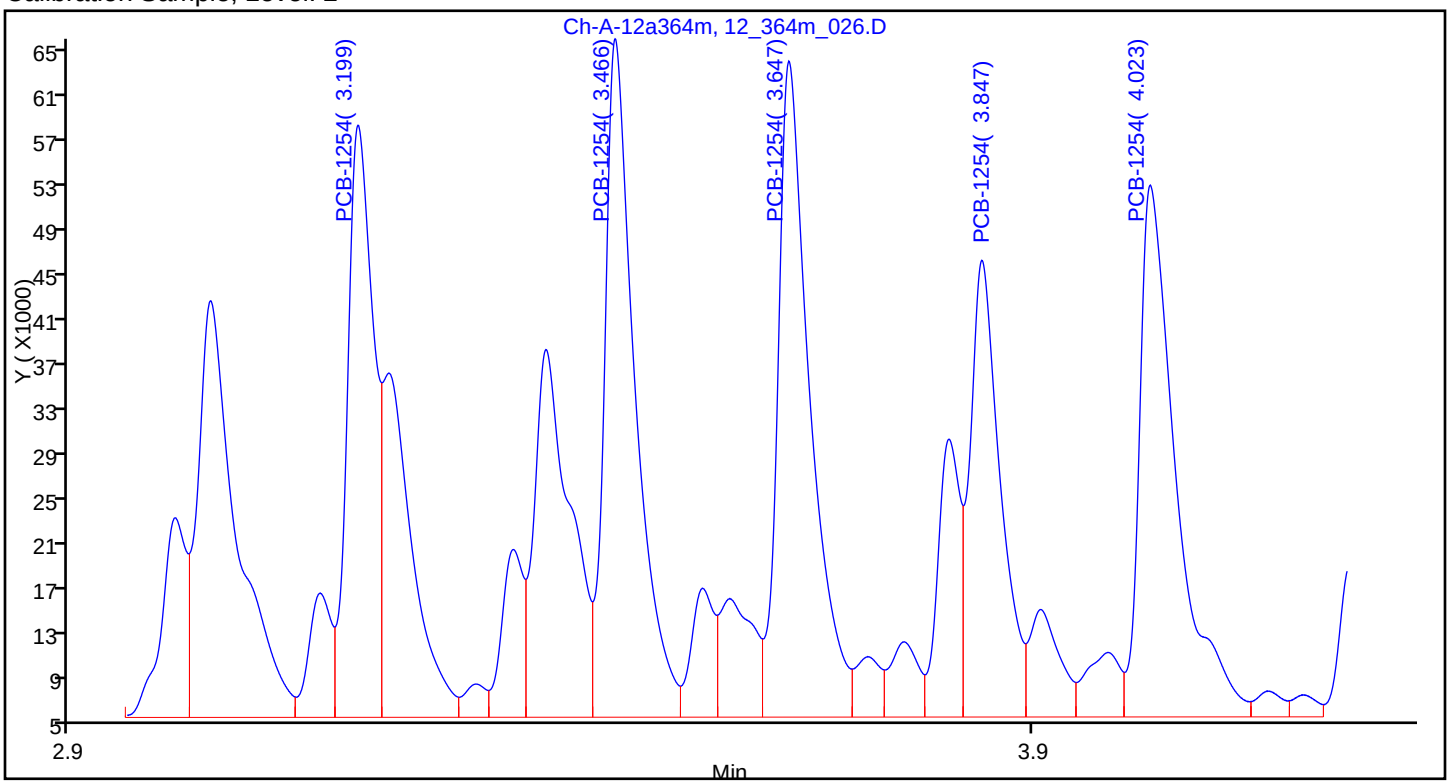
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_002.D

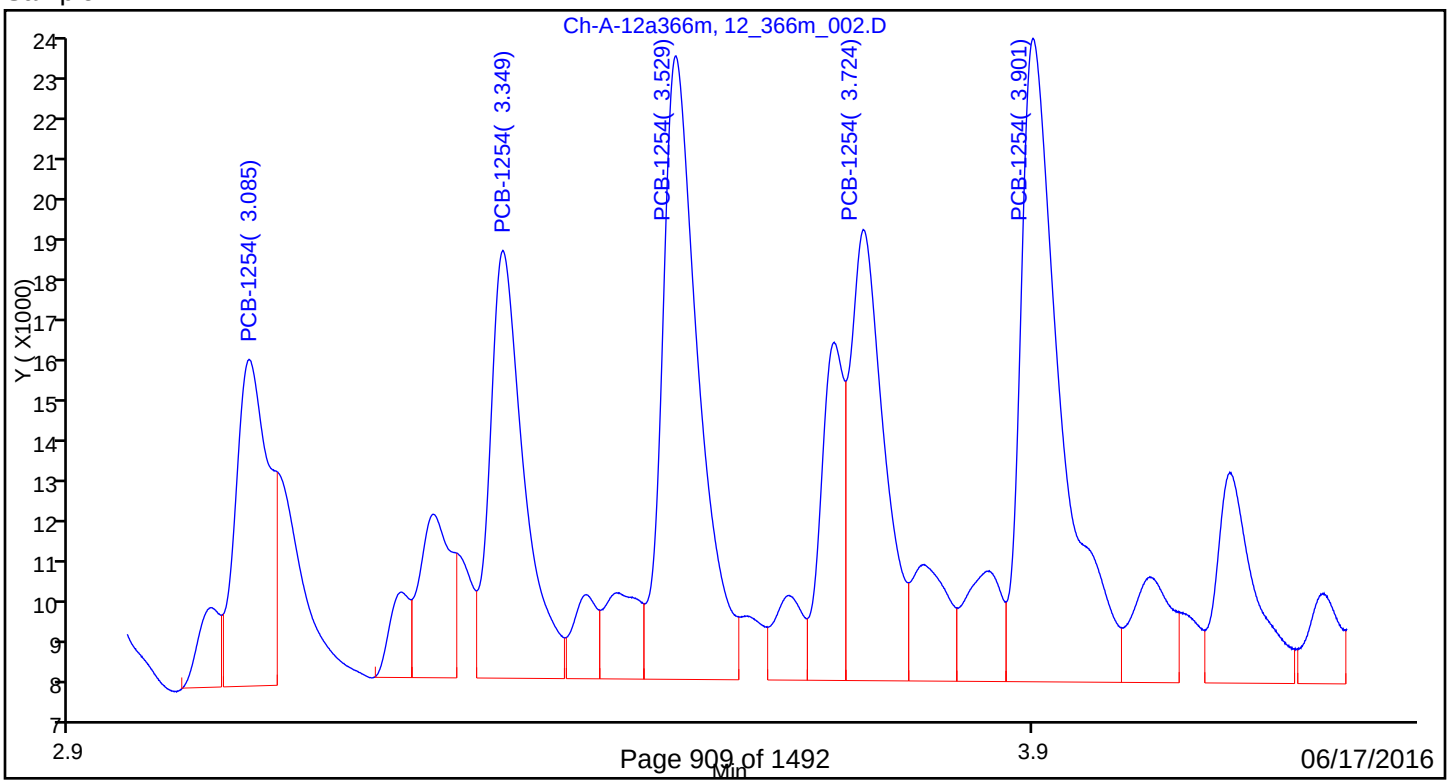
Injection Date:	09-Jun-2016 02:23:18	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-14-A	Lab Sample ID:	480-101258-14		
Client ID:	SS7-9				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



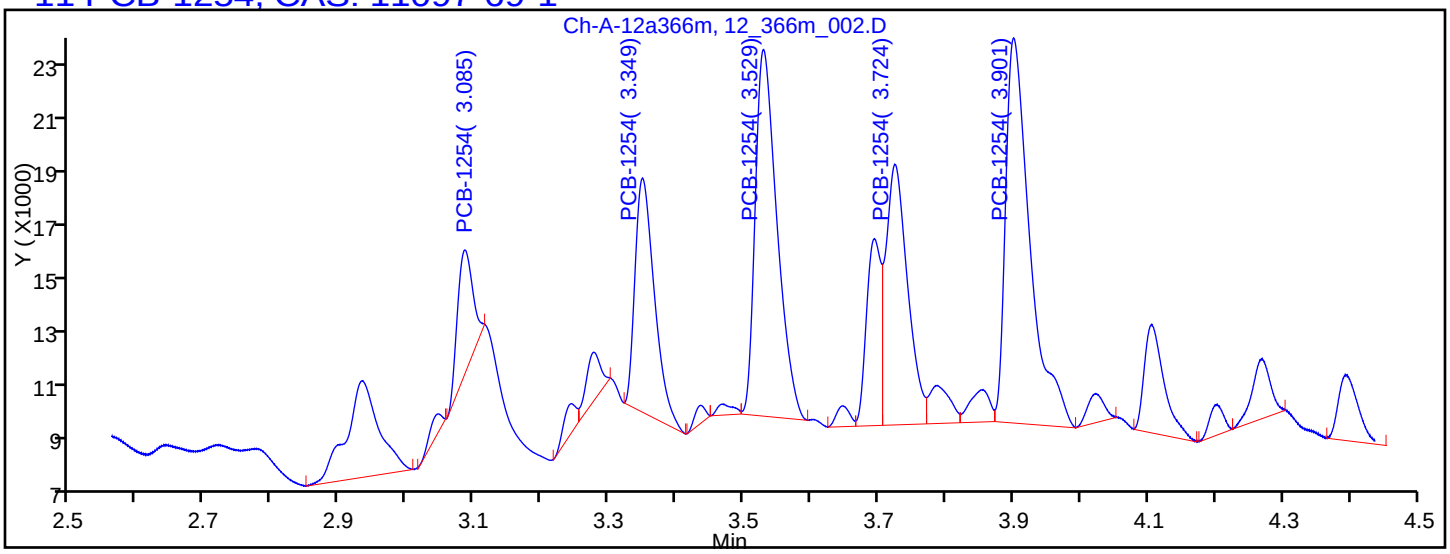
Report Date: 09-Jun-2016 10:47:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_002.D

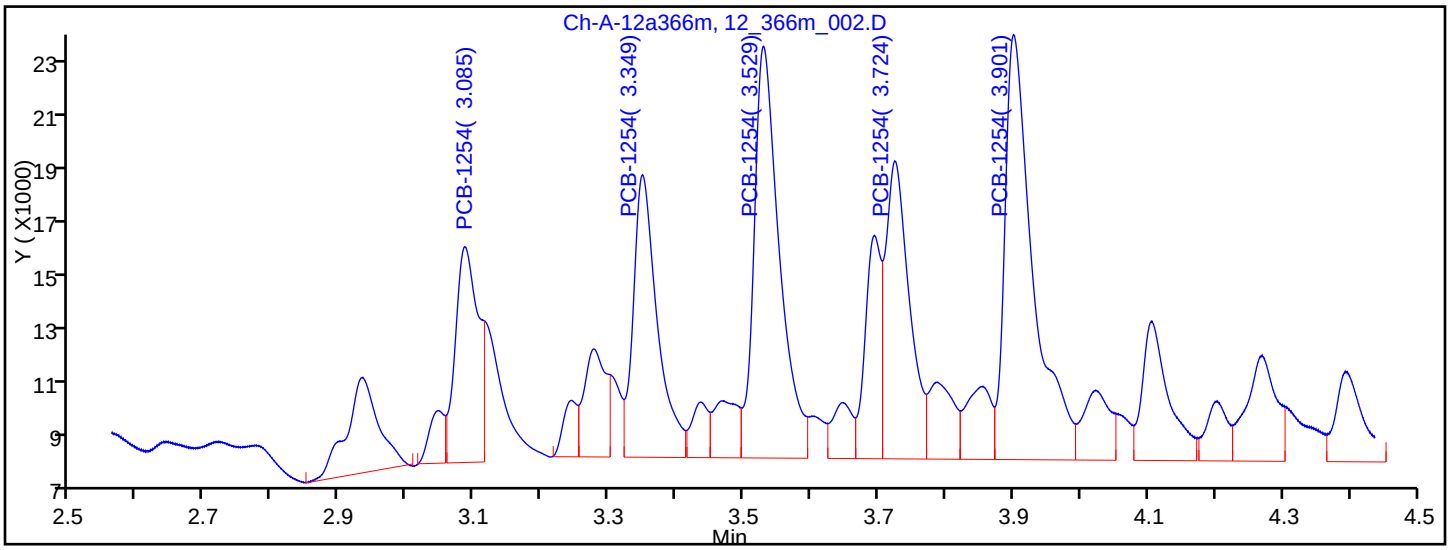
Injection Date:	09-Jun-2016 02:23:18	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-14-A	Lab Sample ID:	480-101258-14		
Client ID:	SS7-9				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.085	Response = 7092	M
RT = 3.349	Response = 17288	M
RT = 3.529	Response = 30257	M
RT = 3.724	Response = 21277	M
RT = 3.901	Response = 35566	M



Manual Integration Results

RT = 3.085	Response = 18658	M
RT = 3.349	Response = 25738	M
RT = 3.529	Response = 39836	M
RT = 3.724	Response = 26675	M
RT = 3.901	Response = 45671	M

Reviewer: owenj, 09-Jun-2016 10:47:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

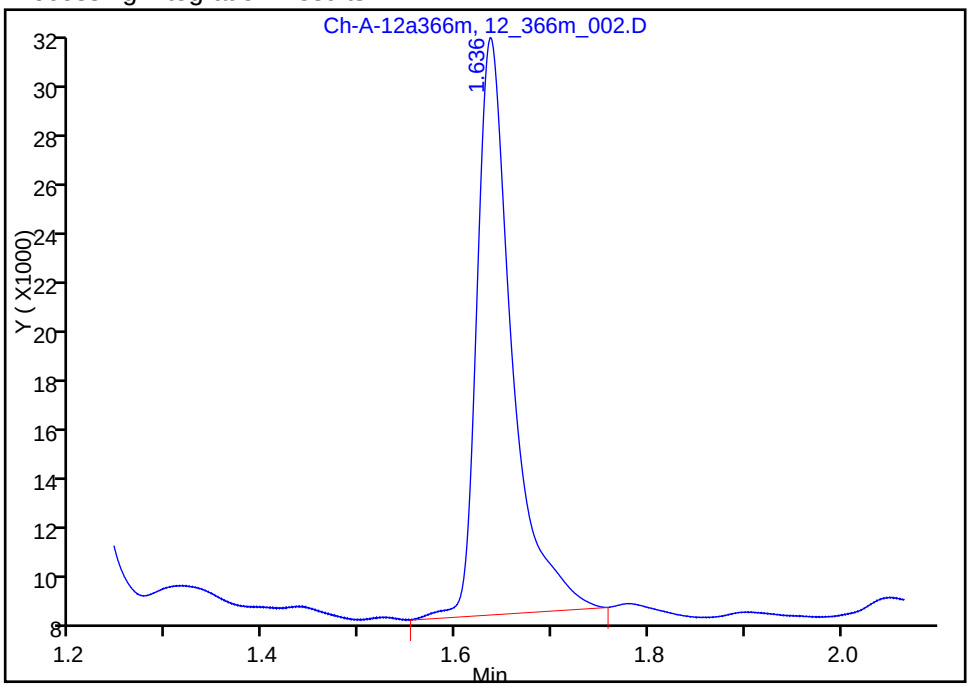
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_002.D				
Injection Date:	09-Jun-2016 02:23:18	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-14-A	Lab Sample ID:	480-101258-14		
Client ID:	SS7-9				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

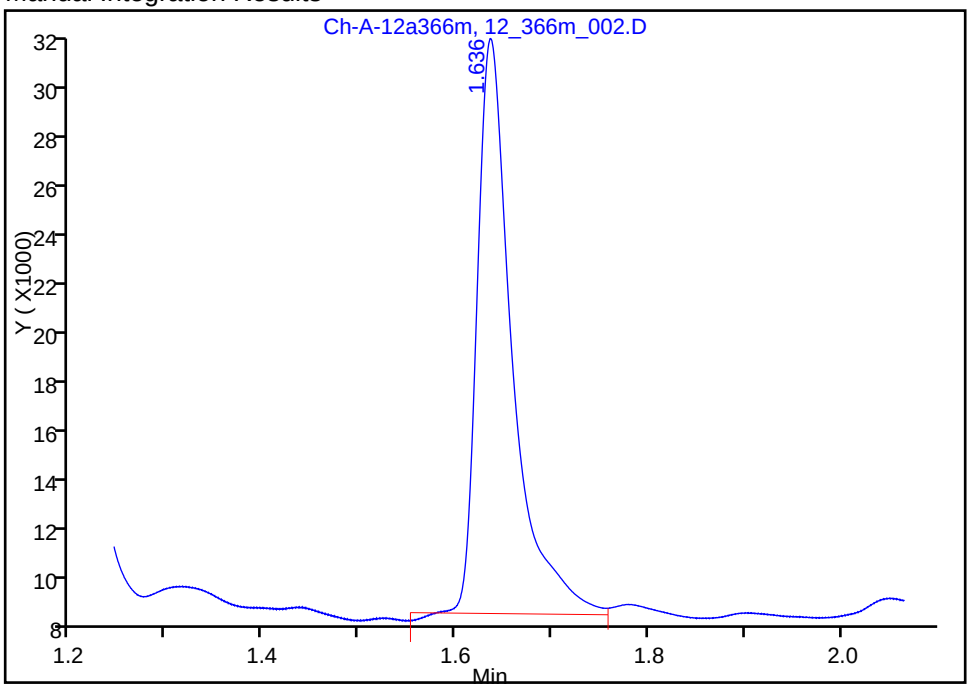
Processing Integration Results

RT: 1.64
Area: 59156
Amount: 0.028461
Amount Units: ng/uL



Manual Integration Results

RT: 1.64
Area: 58675
Amount: 0.028938
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:47:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

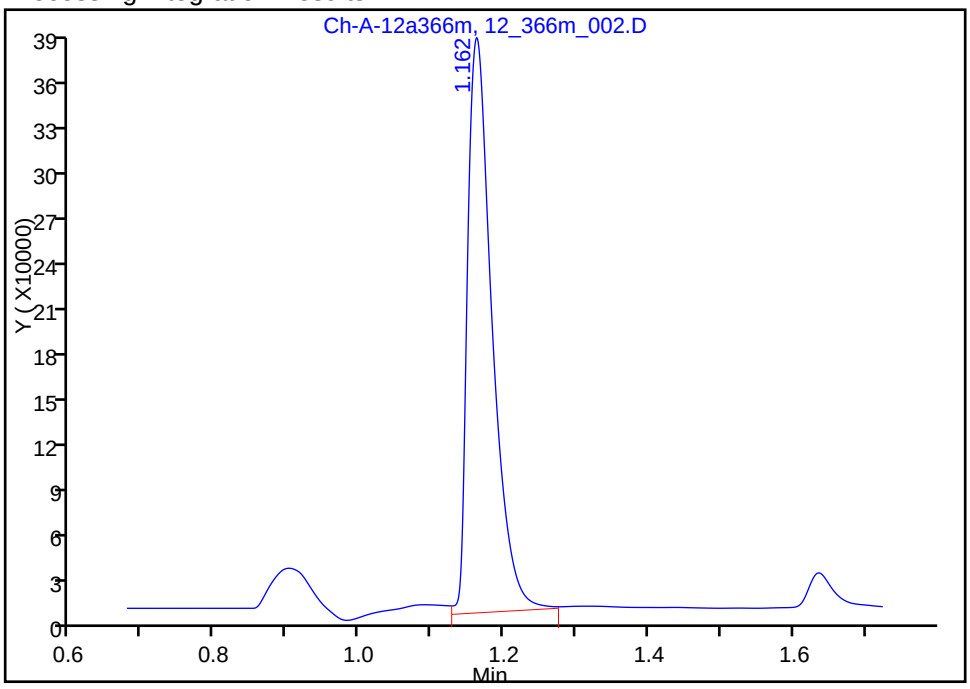
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_002.D				
Injection Date:	09-Jun-2016 02:23:18	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-14-A	Lab Sample ID:	480-101258-14		
Client ID:	SS7-9				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

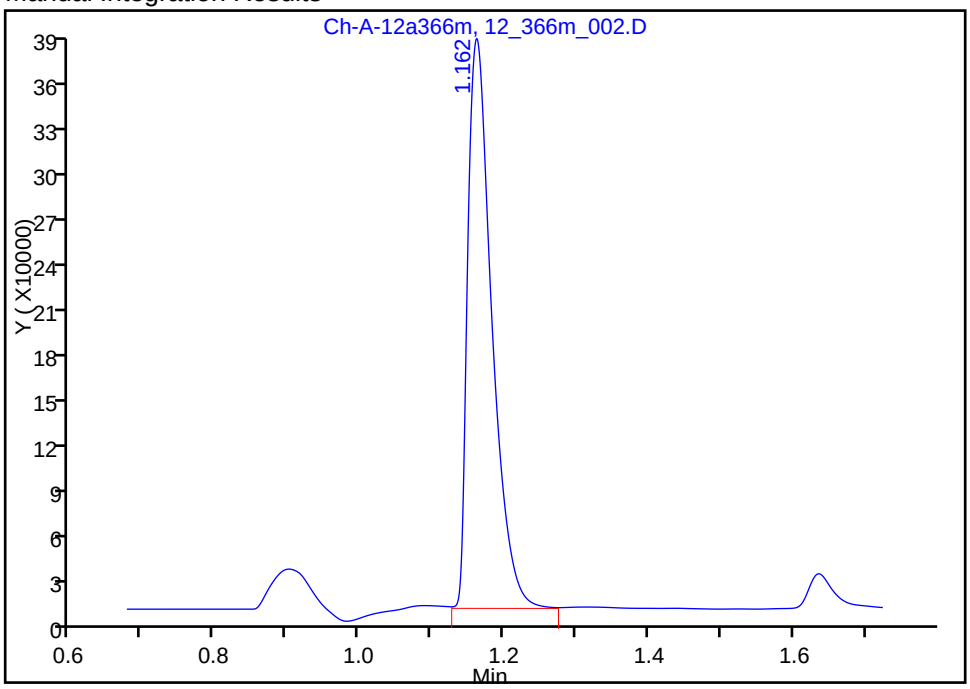
Processing Integration Results

RT: 1.16
Area: 906472
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 884272
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:47:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-10 | Lab Sample ID: 480-101258-15

Matrix: Solid | Lab File ID: 12_366m_003.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:13

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.29(g) | Date Analyzed: 06/09/2016 02:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 24.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.29	0.056
11104-28-2	PCB-1221	ND		0.29	0.056
11141-16-5	PCB-1232	ND		0.29	0.056
53469-21-9	PCB-1242	ND		0.29	0.056
12672-29-6	PCB-1248	ND		0.29	0.056
11097-69-1	PCB-1254	0.23	J	0.29	0.14
11096-82-5	PCB-1260	ND		0.29	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	151		60-154
2051-24-3	DCB Decachlorobiphenyl	145		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_003.D
Lims ID: 480-101258-A-15-A
Client ID: SS7-10
Sample Type: Client
Inject. Date: 09-Jun-2016 02:38:39 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 10:48:48 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 10:48:48

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.161	1.157	0.004	833808	0.5000	
2	1.608	1.605	0.003	705139	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.635	1.631	0.004	57900	0.0303	
2	2.201	2.198	0.003	41963	0.0350	
					RPD = 14.35	
11 PCB-1254						M
1	3.083	3.091	-0.008	3318	0.0281	M
1	3.347	3.355	-0.008	3955	0.0250	M
1	3.530	3.535	-0.005	9190	0.0570	M
1	3.721	3.733	-0.012	4836	0.0459	M
1	3.901	3.908	-0.007	6023	0.0406	M
		Average of Peak Amounts =			0.0393	
2	4.153	4.151	0.002	921	0.0108	M
2	0.000	4.466	-4.466	0	0	
2	4.556	4.554	0.002	1388	0.0109	M
2	4.688	4.679	0.009	3235	0.0230	M
2	5.125	5.128	-0.003	2556	0.0273	M
		Average of Peak Amounts =			0.0180	
					RPD = 74.35	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 15 DCB Decachlorobiphenyl						
1	5.579	5.577	0.002	82742	0.0290	
2	7.239	7.235	0.004	71298	0.0302	
					RPD = 4.21	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

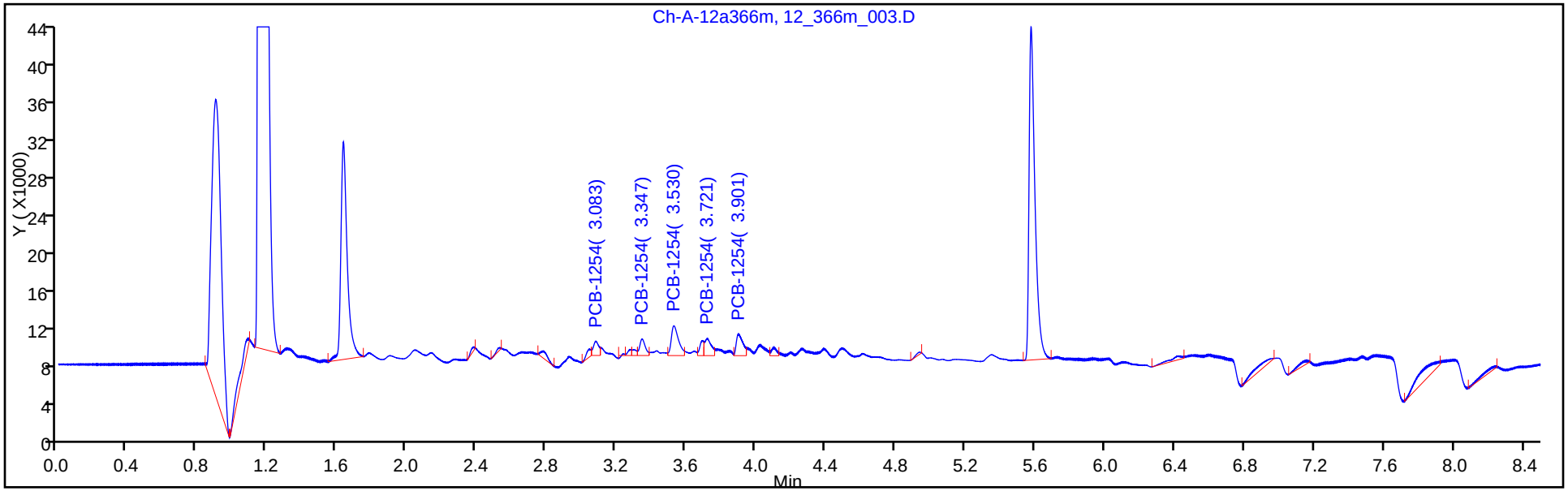
Report Date: 09-Jun-2016 10:48:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

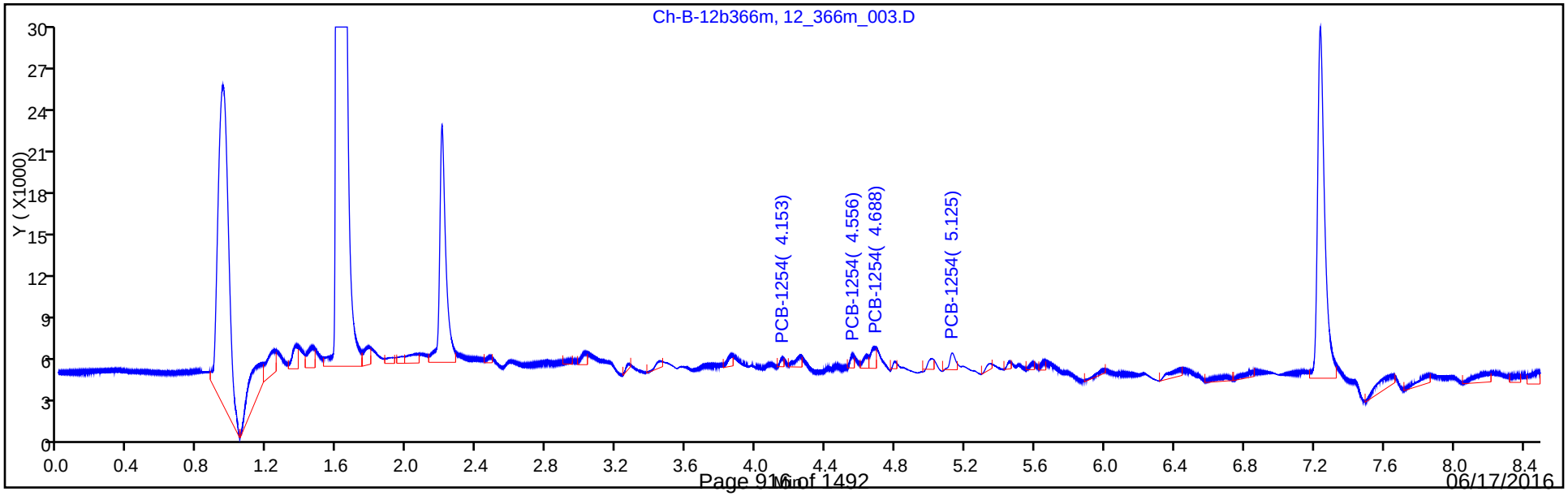
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_003.D

Injection Date:	09-Jun-2016 02:38:39	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-15-A	Lab Sample ID:	480-101258-15	Worklist Smp#:	38
Client ID:	SS7-10				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_003.D				
Lims ID:	480-101258-A-15-A				
Client ID:	SS7-10				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 02:38:39	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 10:48:48	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK022				
First Level Reviewer: owenj		Date:	09-Jun-2016 10:48:48		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0303	151.42
$ 15 DCB Decachlorobiphenyl	0.0200	0.0290	144.97

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0350	174.83
$ 15 DCB Decachlorobiphenyl	0.0200	0.0302	151.21

Report Date: 09-Jun-2016 10:48:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

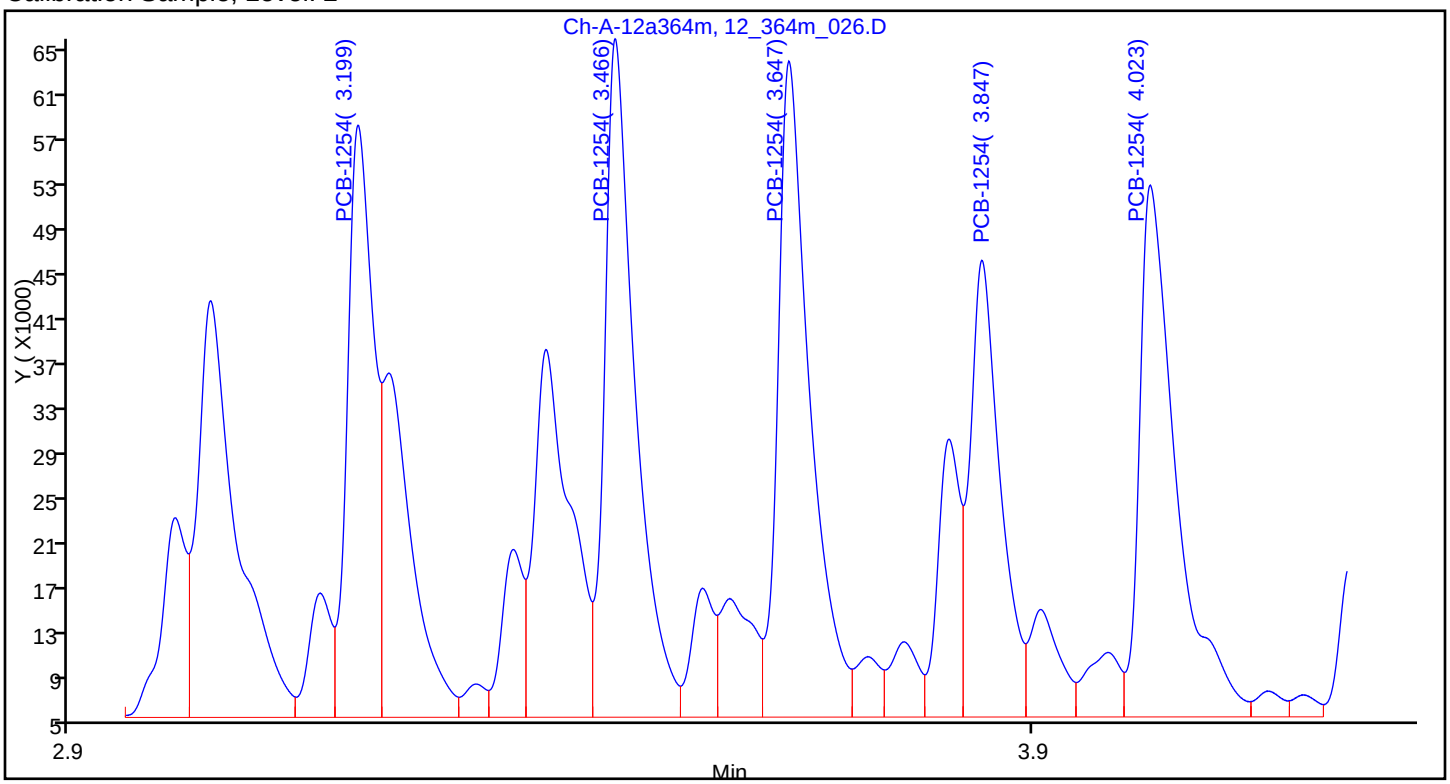
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_003.D

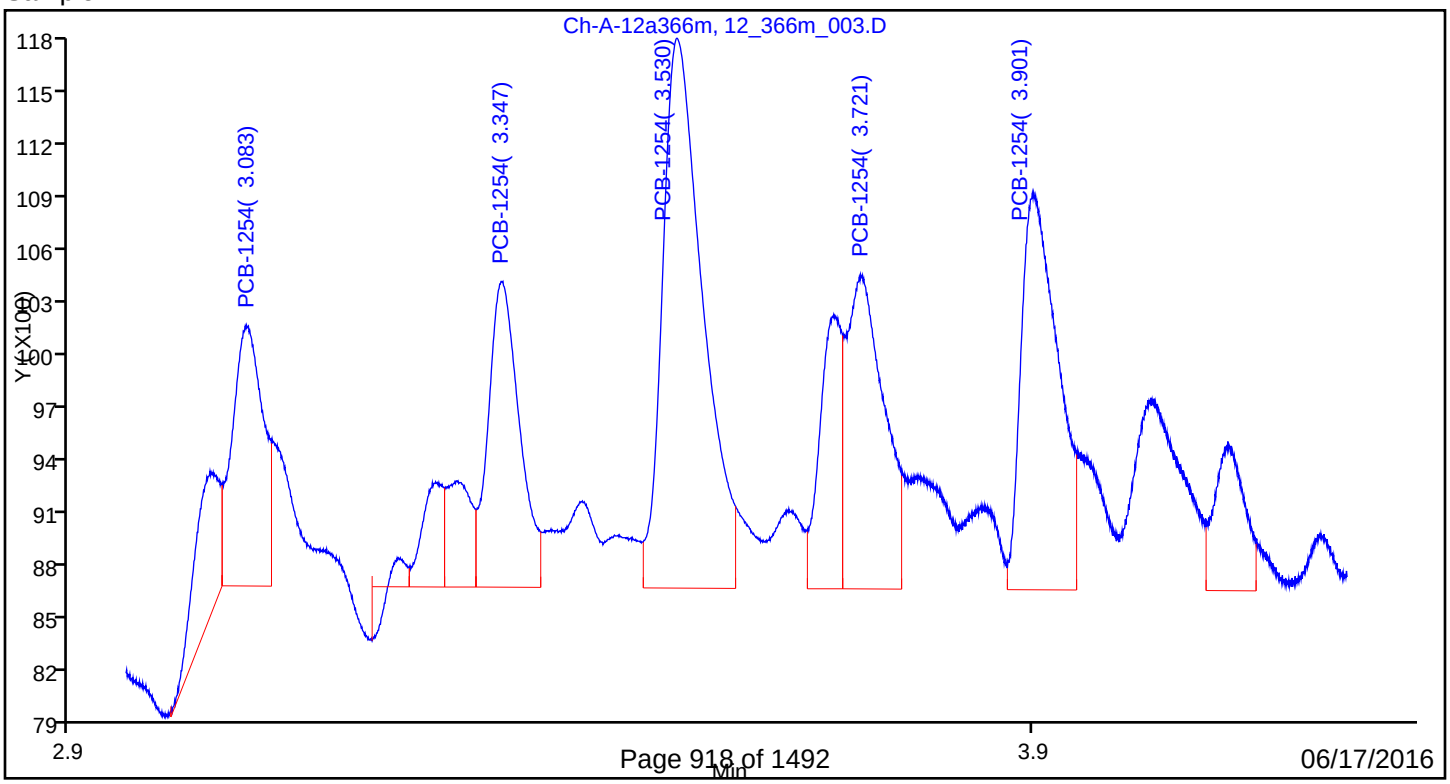
Injection Date:	09-Jun-2016 02:38:39	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-15-A	Lab Sample ID:	480-101258-15		
Client ID:	SS7-10				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



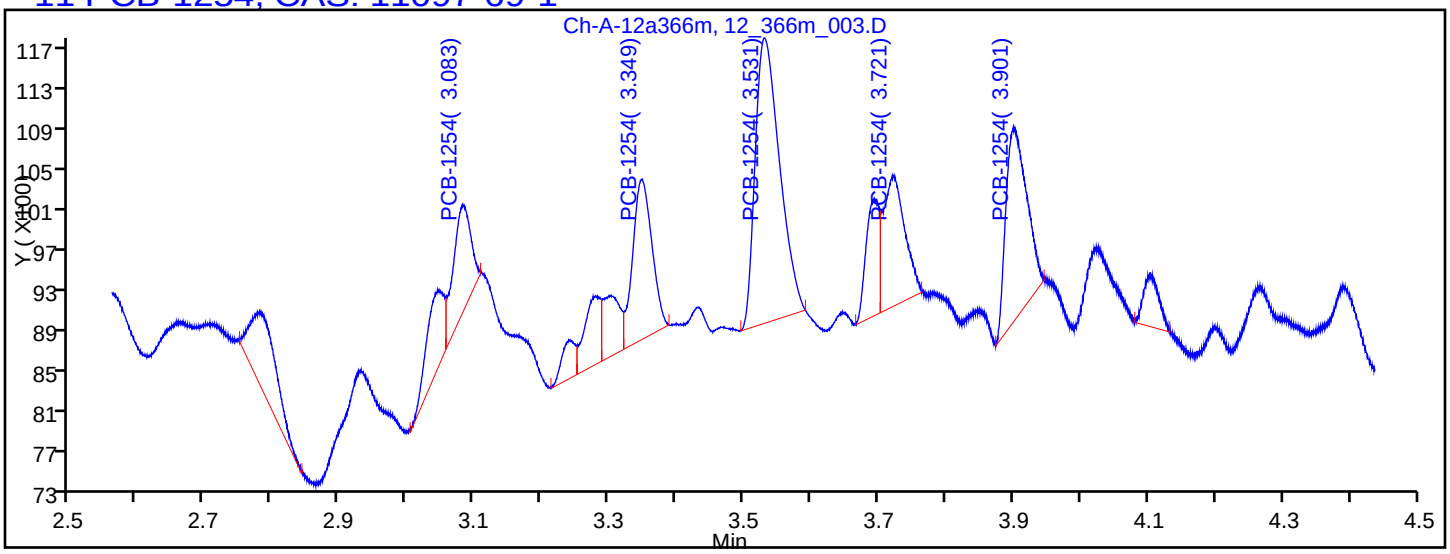
Report Date: 09-Jun-2016 10:48:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_003.D

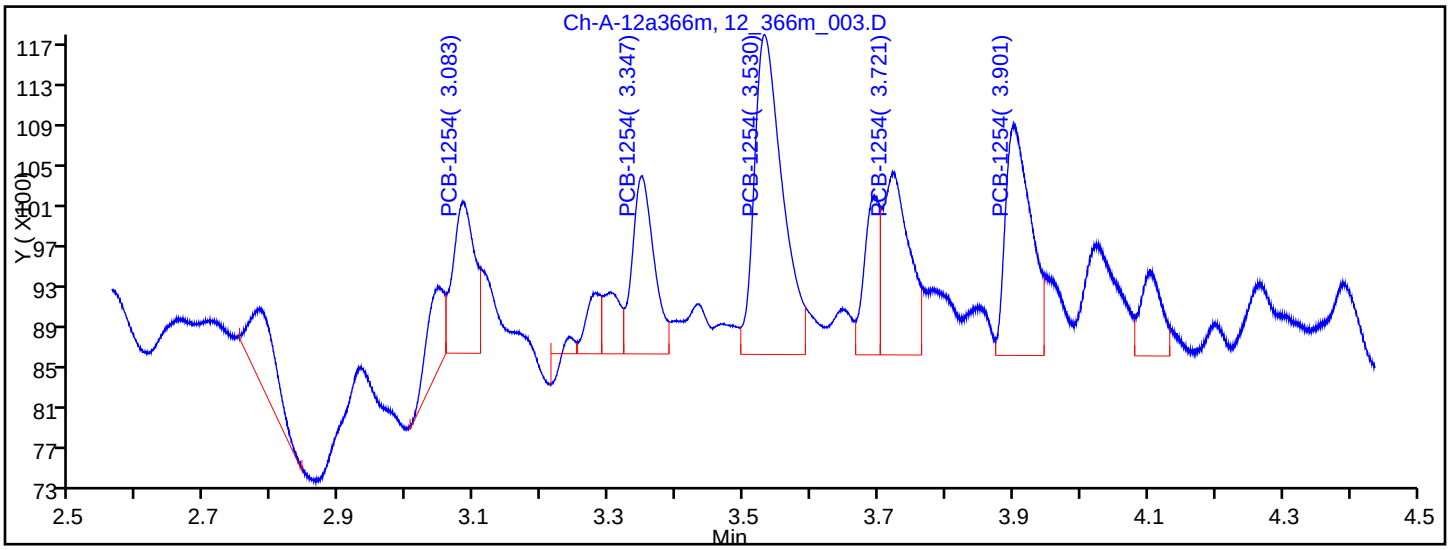
Injection Date:	09-Jun-2016 02:38:39	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-15-A	Lab Sample ID:	480-101258-15		
Client ID:	SS7-10				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.083	Response = 1950	M
RT = 3.349	Response = 3157	M
RT = 3.531	Response = 7082	M
RT = 3.721	Response = 2821	M
RT = 3.901	Response = 4088	M



Manual Integration Results

RT = 3.083	Response = 3318	M
RT = 3.347	Response = 3955	M
RT = 3.530	Response = 9190	M
RT = 3.721	Response = 4836	M
RT = 3.901	Response = 6023	M

Reviewer: owenj, 09-Jun-2016 10:48:48

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-11 | Lab Sample ID: 480-101258-16

Matrix: Solid | Lab File ID: 12_366m_004.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:20

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.36(g) | Date Analyzed: 06/09/2016 02:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 9.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.046
11104-28-2	PCB-1221	ND		0.23	0.046
11141-16-5	PCB-1232	ND		0.23	0.046
53469-21-9	PCB-1242	ND		0.23	0.046
12672-29-6	PCB-1248	ND		0.23	0.046
11097-69-1	PCB-1254	3.6		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	154		60-154
2051-24-3	DCB Decachlorobiphenyl	152		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_004.D
Lims ID: 480-101258-A-16-A
Client ID: SS7-11
Sample Type: Client
Inject. Date: 09-Jun-2016 02:53:57 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 10:49:51 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 10:49:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.162	1.157	0.005	855001	0.5000	M
2	1.609	1.605	0.004	706479	0.5000	M
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						M
1	1.634	1.631	0.003	60257	0.0307	M
2	2.200	2.198	0.002	40374	0.0336	M
					RPD = 8.84	
11 PCB-1254						M
1	3.083	3.091	-0.008	82597	0.6814	M
1	3.346	3.355	-0.009	103754	0.6390	M
1	3.525	3.535	-0.010	122767	0.7432	M
1	3.722	3.733	-0.011	88087	0.8152	M
1	3.897	3.908	-0.011	139423	0.9166	M
		Average of Peak Amounts =			0.7591	
2	4.149	4.151	-0.002	45056	0.5257	M
2	4.463	4.466	-0.003	25026	0.4856	M
2	4.551	4.554	-0.003	73855	0.5793	M
2	4.676	4.679	-0.003	44883	0.3190	M
2	5.124	5.128	-0.004	86167	0.9192	M
		Average of Peak Amounts =			0.5658	
					RPD = 29.18	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.615	4.615	-0.001	18897	NC	M
2	5.452	5.443	0.009	23689	NC	M
4 1260 Res 2						M
1	4.677	4.678	-0.001	3430	NC	M
2	5.512	5.509	0.003	18384	NC	M
3 1260 Res 3						M
1	4.715	4.717	-0.002	4162	NC	M
2	5.582	5.572	0.010	27620	NC	M
$ 15 DCB Decachlorobiphenyl						M
1	5.578	5.577	0.001	89166	0.0305	
2	7.237	7.235	0.002	74478	0.0315	M
					RPD = 3.41	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

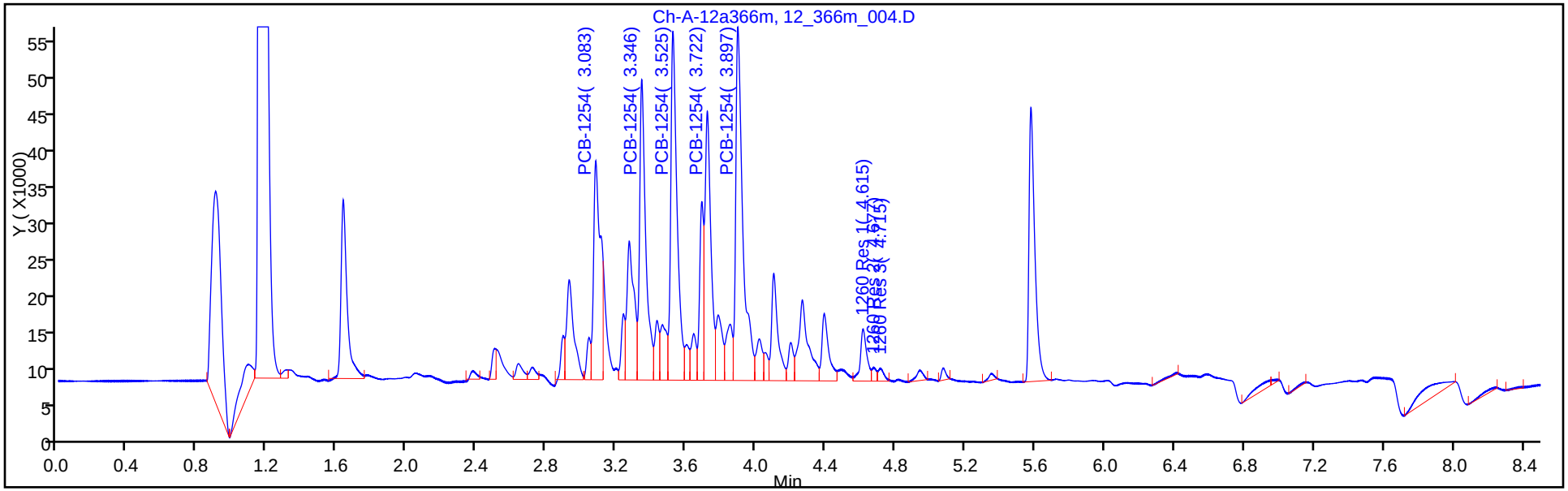
Report Date: 09-Jun-2016 10:49:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

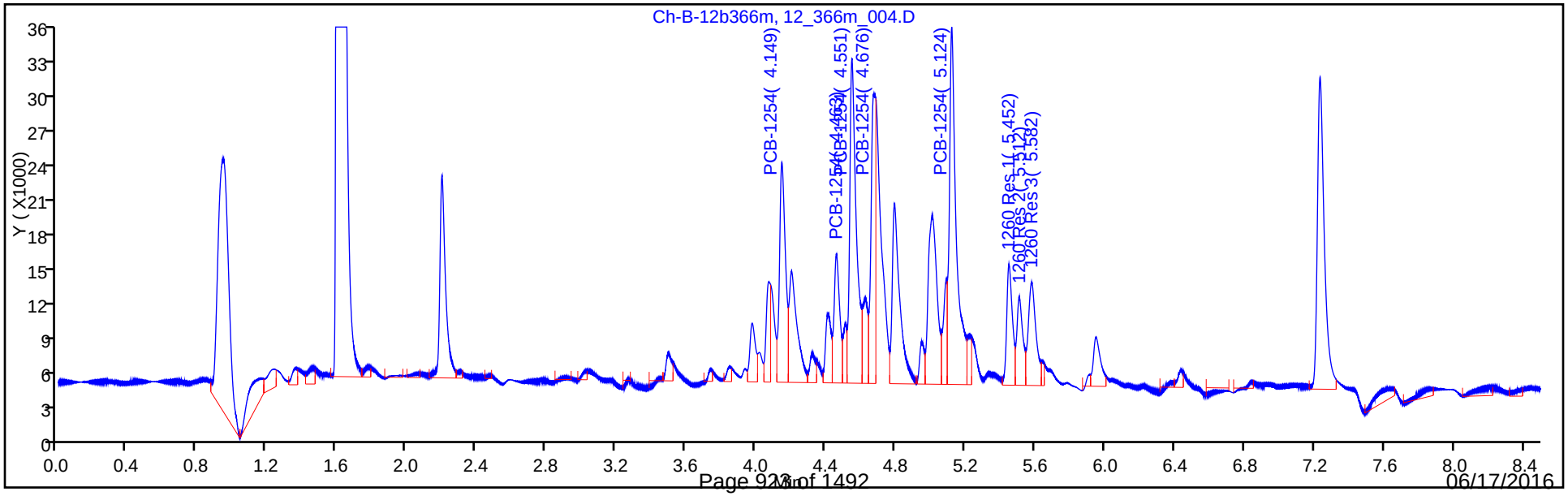
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_004.D

Injection Date:	09-Jun-2016 02:53:57	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-16-A	Lab Sample ID:	480-101258-16	Worklist Smp#:	39
Client ID:	SS7-11				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_004.D				
Lims ID:	480-101258-A-16-A				
Client ID:	SS7-11				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 02:53:57	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 10:49:51	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK022				
First Level Reviewer: owenj		Date:	09-Jun-2016 10:49:50		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0307	153.68
$ 15 DCB Decachlorobiphenyl	0.0200	0.0305	152.36

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0336	167.89
$ 15 DCB Decachlorobiphenyl	0.0200	0.0315	157.65

Report Date: 09-Jun-2016 10:49:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

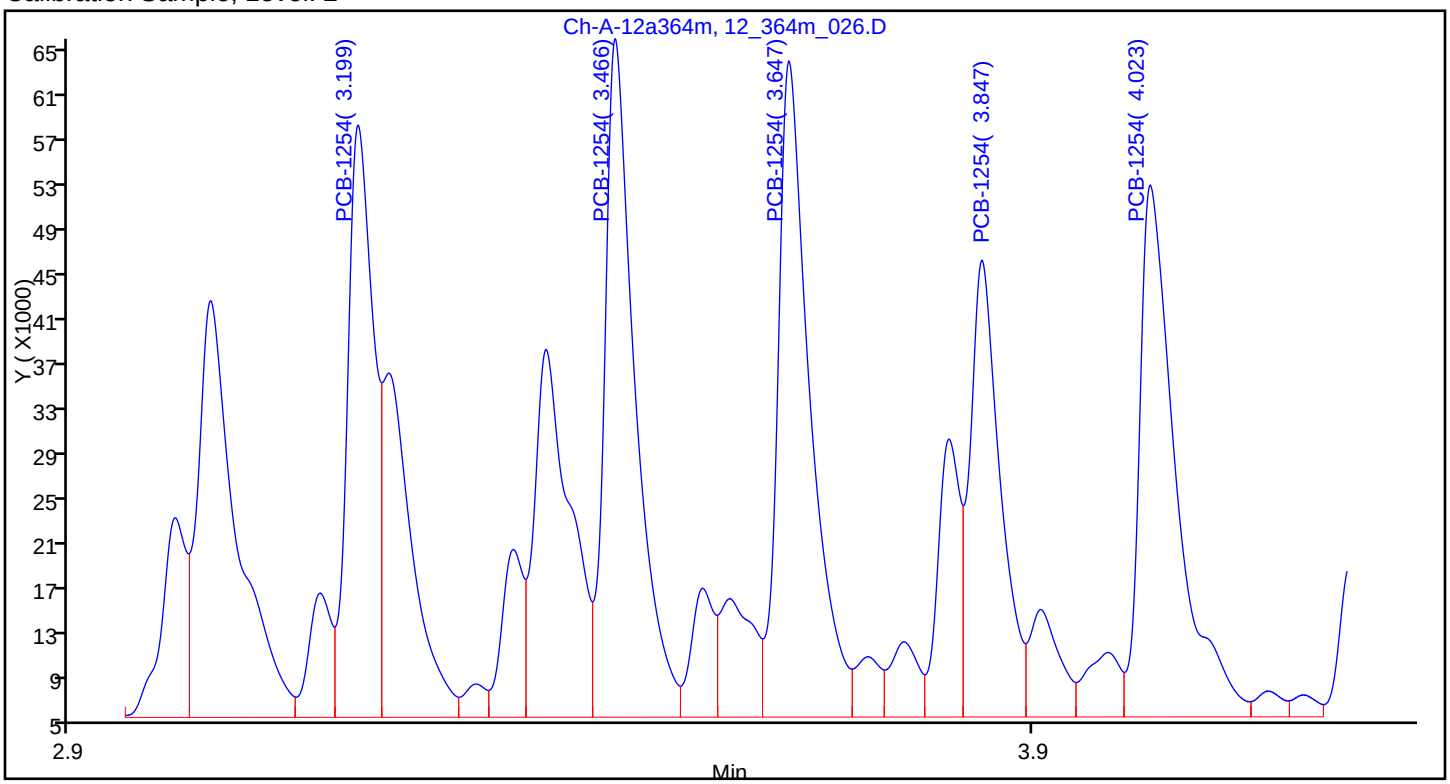
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_004.D

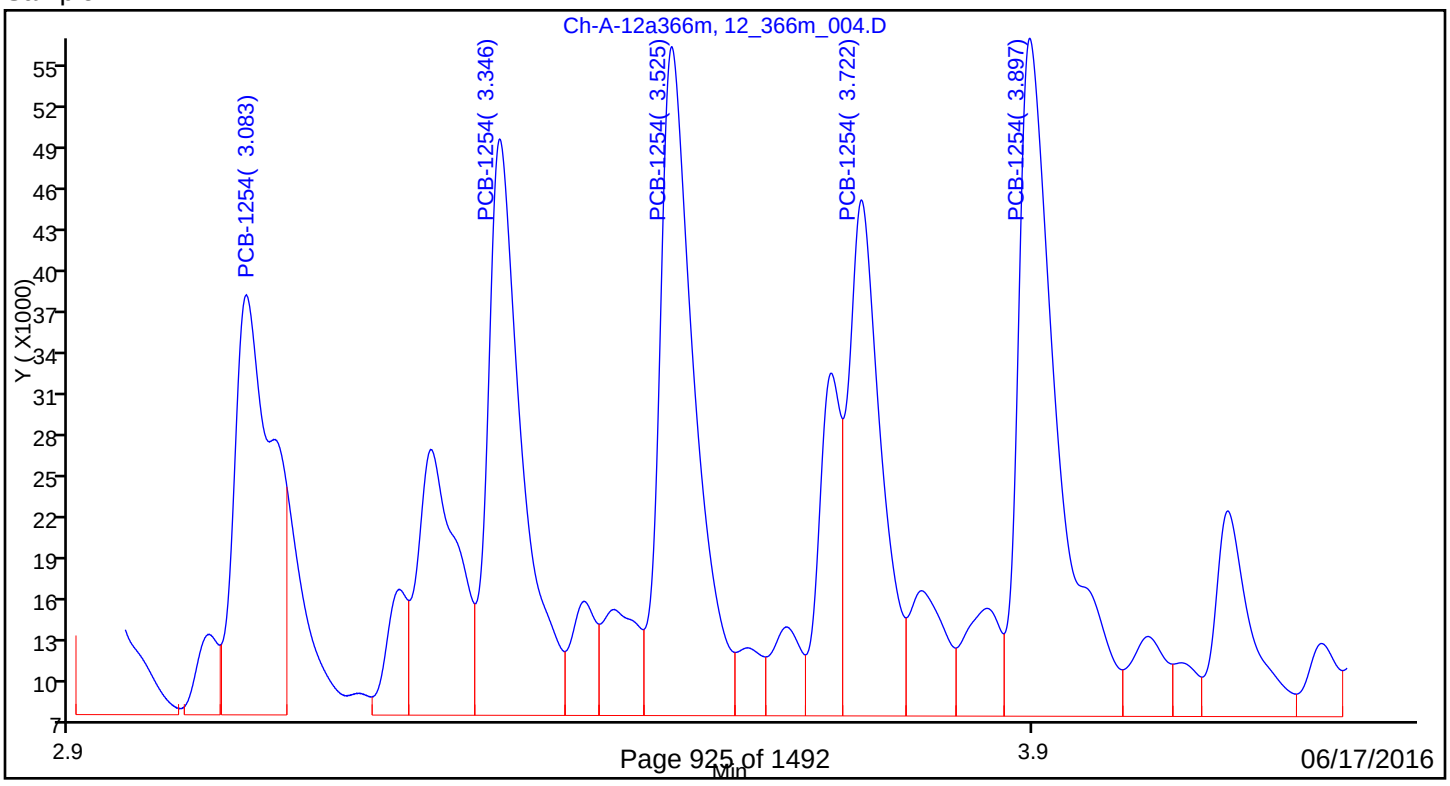
Injection Date:	09-Jun-2016 02:53:57	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-16-A	Lab Sample ID:	480-101258-16		
Client ID:	SS7-11				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



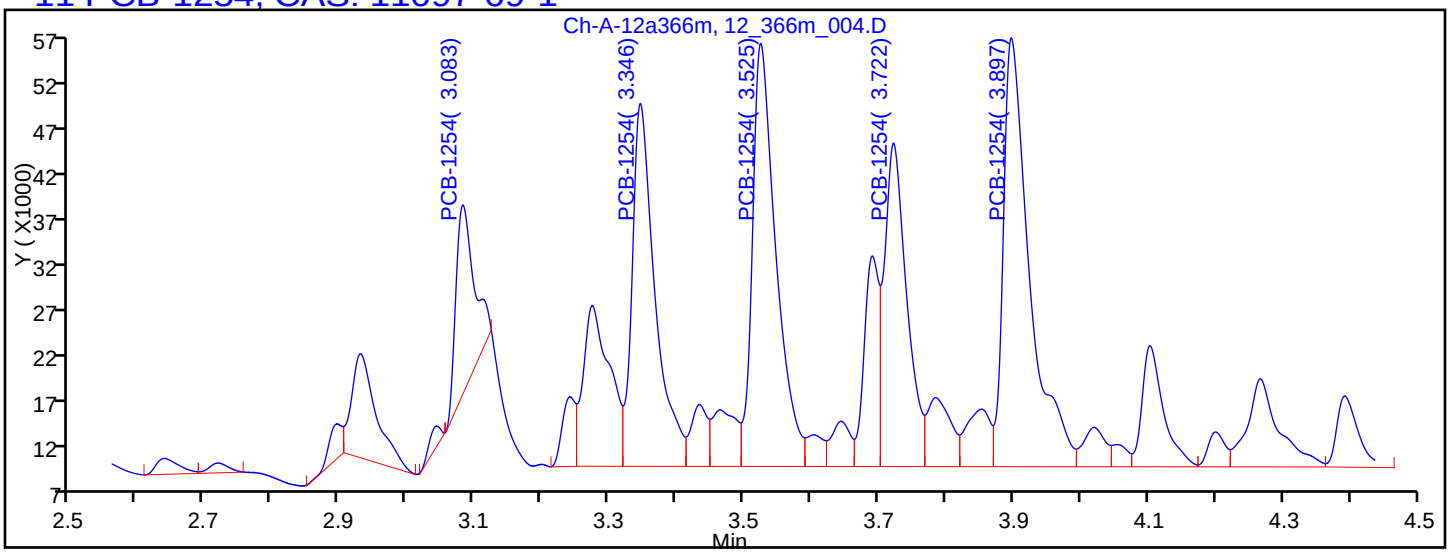
Report Date: 09-Jun-2016 10:49:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_004.D

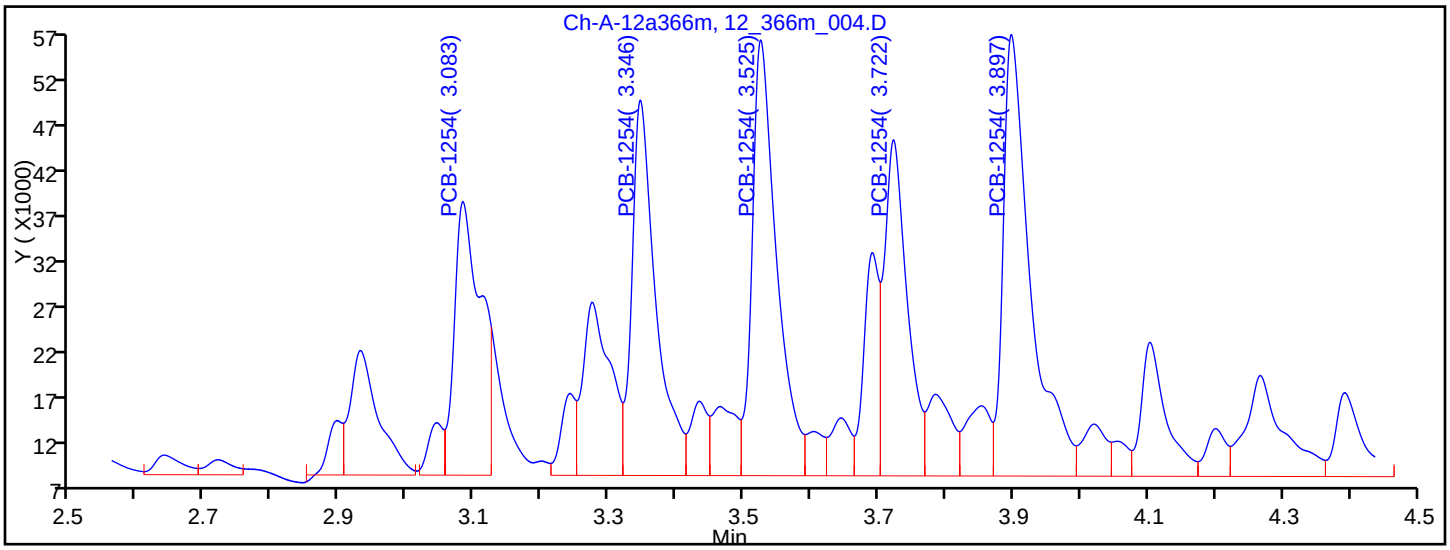
Injection Date:	09-Jun-2016 02:53:57	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-16-A	Lab Sample ID:	480-101258-16		
Client ID:	SS7-11				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.083	Response = 38761	M
RT = 3.346	Response = 95977	M
RT = 3.525	Response = 114883	M
RT = 3.722	Response = 82551	M
RT = 3.897	Response = 129003	M



Manual Integration Results

RT = 3.083	Response = 82597	M
RT = 3.346	Response = 103754	M
RT = 3.525	Response = 122767	M
RT = 3.722	Response = 88087	M
RT = 3.897	Response = 139423	M

Reviewer: owenj, 09-Jun-2016 10:49:50

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

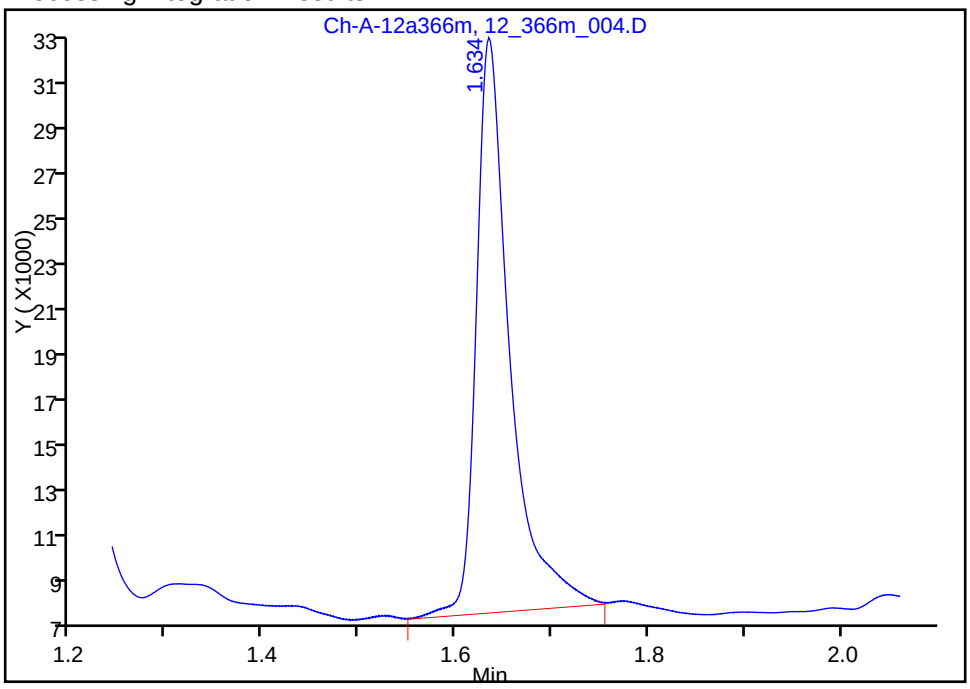
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_004.D				
Injection Date:	09-Jun-2016 02:53:57	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-16-A	Lab Sample ID:	480-101258-16		
Client ID:	SS7-11				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

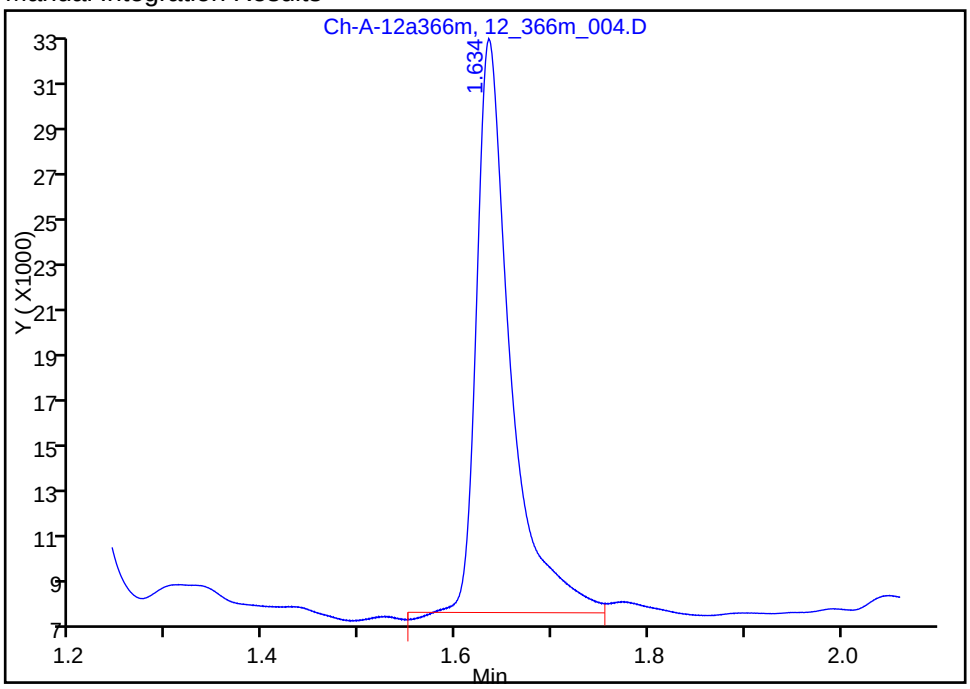
Processing Integration Results

RT: 1.63
Area: 60245
Amount: 0.030049
Amount Units: ng/uL



Manual Integration Results

RT: 1.63
Area: 60257
Amount: 0.030736
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:49:50

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

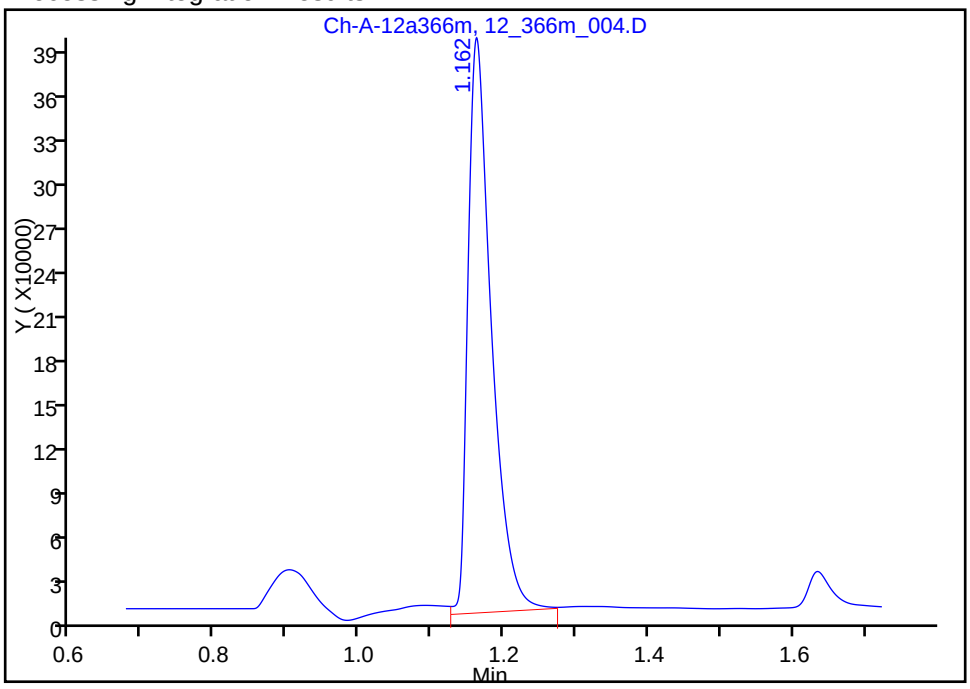
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_004.D				
Injection Date:	09-Jun-2016 02:53:57	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-16-A	Lab Sample ID:	480-101258-16		
Client ID:	SS7-11				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

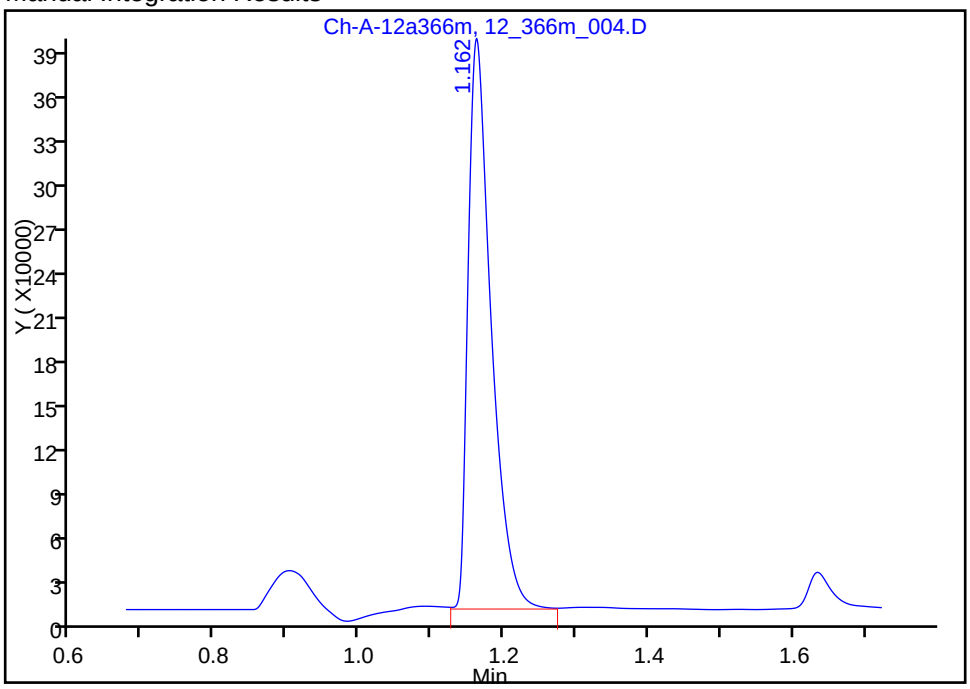
Processing Integration Results

RT: 1.16
Area: 874373
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 855001
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:49:50
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-12 | Lab Sample ID: 480-101258-17

Matrix: Solid | Lab File ID: 12_366m_005.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:25

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.12(g) | Date Analyzed: 06/09/2016 03:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.053
11104-28-2	PCB-1221	ND		0.27	0.053
11141-16-5	PCB-1232	ND		0.27	0.053
53469-21-9	PCB-1242	ND		0.27	0.053
12672-29-6	PCB-1248	ND		0.27	0.053
11097-69-1	PCB-1254	0.38		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	152		60-154
2051-24-3	DCB Decachlorobiphenyl	152		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_005.D
Lims ID: 480-101258-A-17-A
Client ID: SS7-12
Sample Type: Client
Inject. Date: 09-Jun-2016 03:09:20 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 10:50:59 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 10:50:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.161	1.157	0.004	850252	0.5000	M
2	1.607	1.605	0.002	697185	0.5000	M
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						M
1	1.634	1.631	0.003	59100	0.0303	M
2	2.199	2.198	0.001	42139	0.0355	M
					RPD = 15.79	
11 PCB-1254						M
1	3.084	3.091	-0.007	5702	0.0473	M
1	3.347	3.355	-0.008	7457	0.0462	M
1	3.529	3.535	-0.006	14266	0.0868	M
1	3.720	3.733	-0.013	8503	0.0791	M
1	3.898	3.908	-0.010	13110	0.0867	M
		Average of Peak Amounts =			0.0692	
2	4.151	4.151	0.000	1914	0.0226	M
2	0.000	4.466	-4.466	0	0	
2	4.553	4.554	-0.001	4586	0.0365	M
2	4.693	4.679	0.014	8328	0.0600	M
2	5.127	5.128	-0.001	8146	0.0881	M
		Average of Peak Amounts =			0.0518	
					RPD = 28.84	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.613	4.615	-0.002	2461	NC	M
2	5.452	5.443	0.009	2466	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.577	5.577	0.000	88658	0.0305	
2	7.237	7.235	0.002	74895	0.0321	
					RPD = 5.31	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

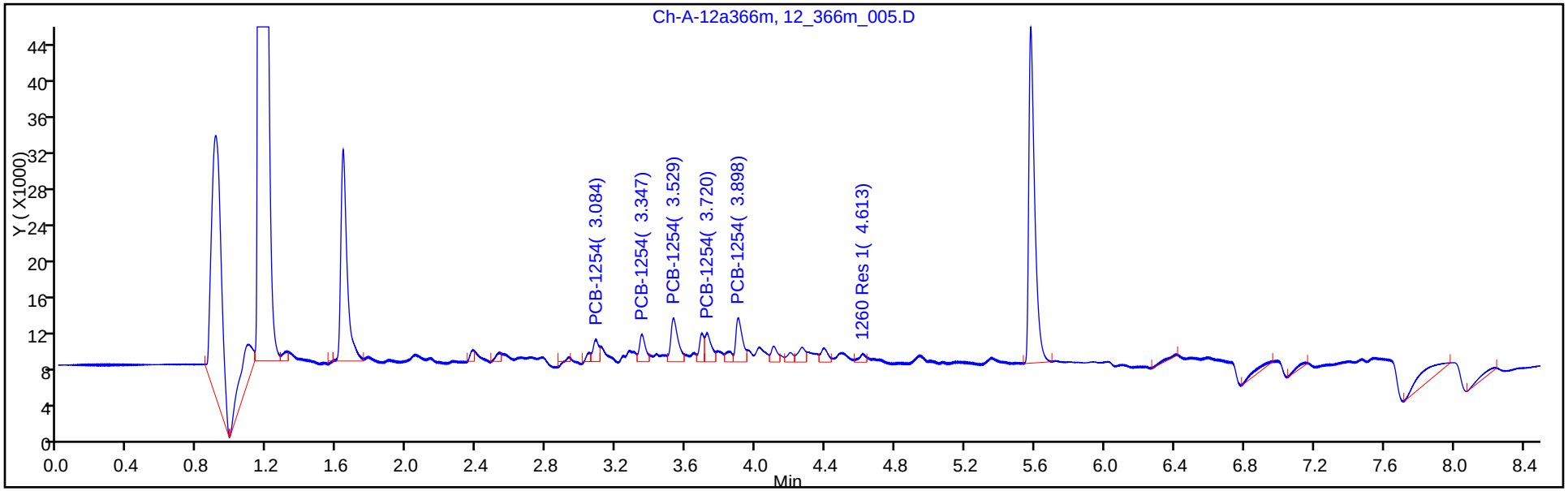
Report Date: 09-Jun-2016 10:51:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

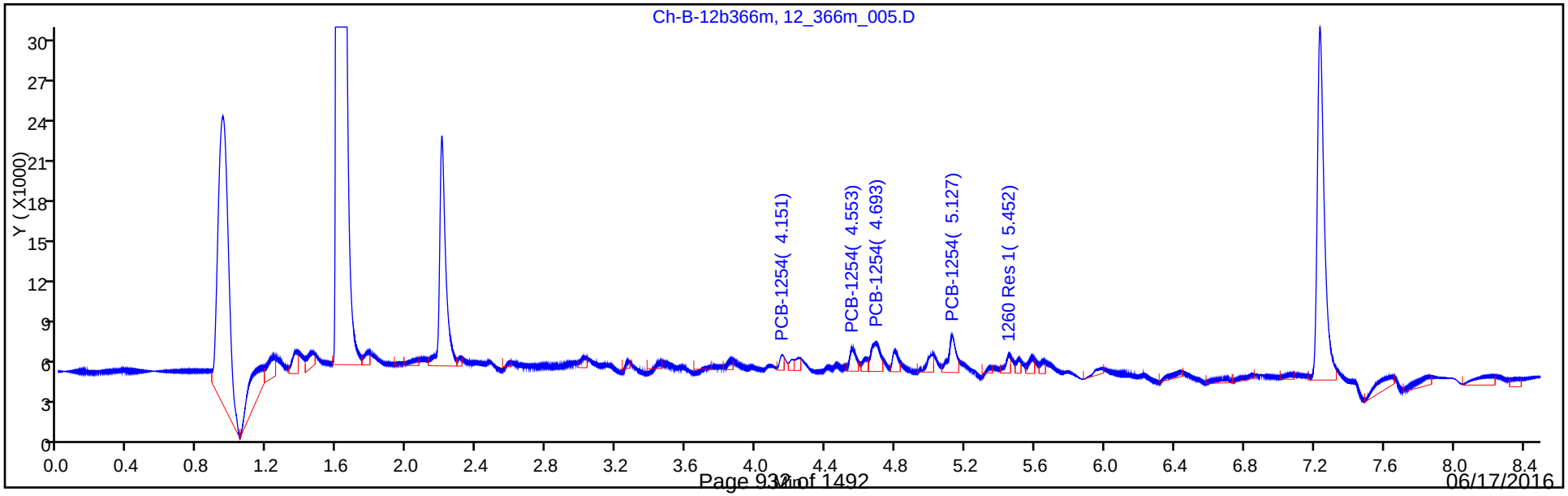
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_005.D

Injection Date:	09-Jun-2016 03:09:20	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-17-A	Lab Sample ID:	480-101258-17	Worklist Smp#:	40
Client ID:	SS7-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_005.D				
Lims ID:	480-101258-A-17-A				
Client ID:	SS7-12				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 03:09:20	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 10:50:59	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK022				
First Level Reviewer: owenj		Date:	09-Jun-2016 10:50:59		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0303	151.57
$ 15 DCB Decachlorobiphenyl	0.0200	0.0305	152.34

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0355	177.56
$ 15 DCB Decachlorobiphenyl	0.0200	0.0321	160.65

Report Date: 09-Jun-2016 10:51:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

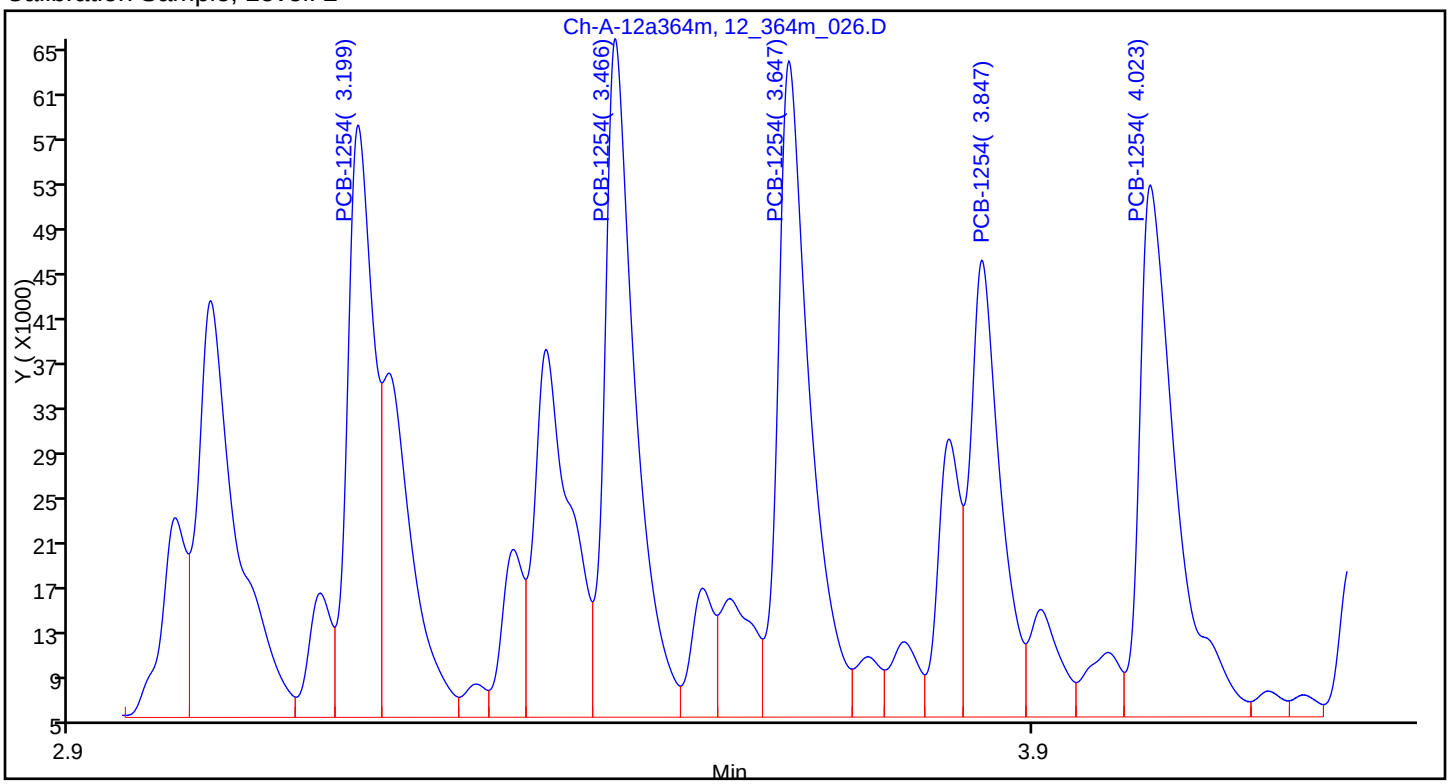
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_005.D

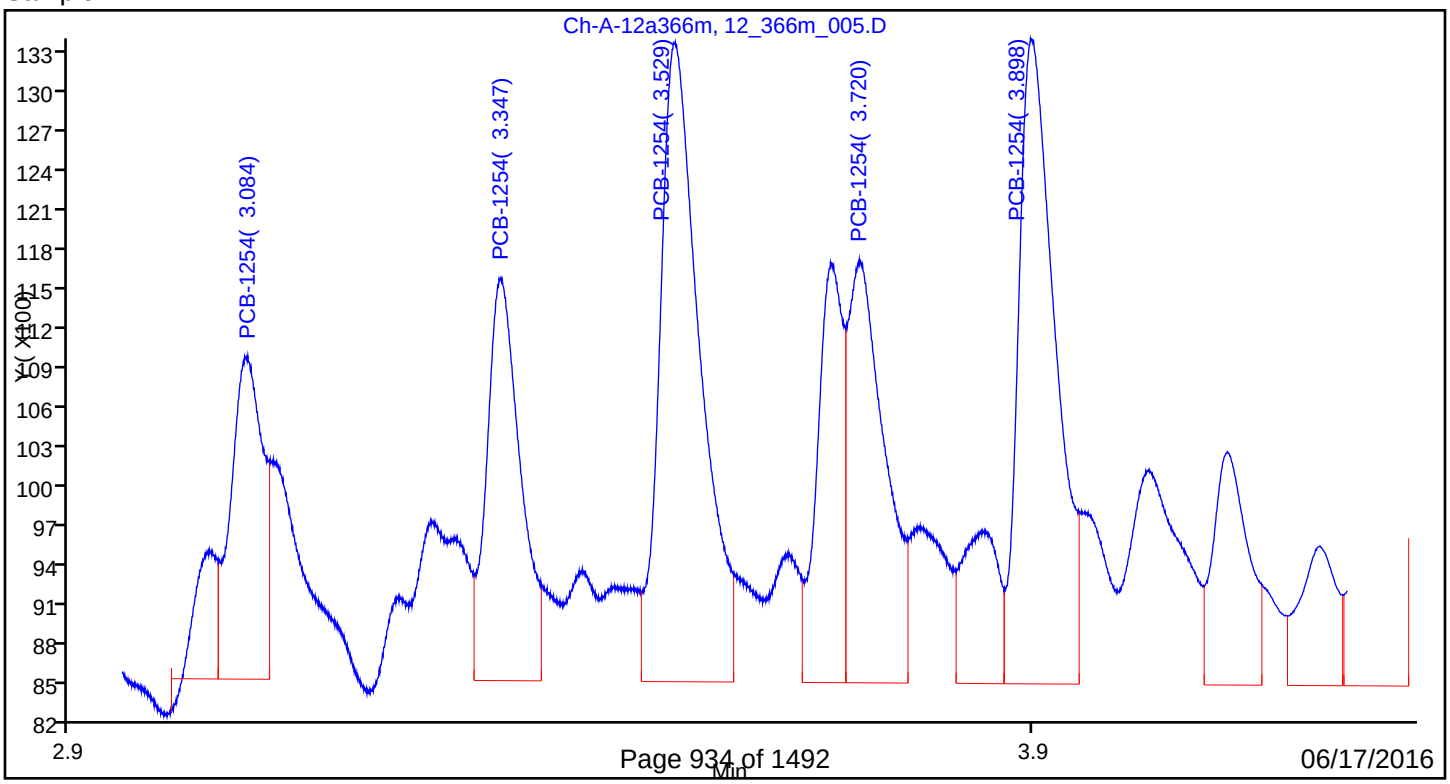
Injection Date:	09-Jun-2016 03:09:20	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-17-A	Lab Sample ID:	480-101258-17		
Client ID:	SS7-12				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



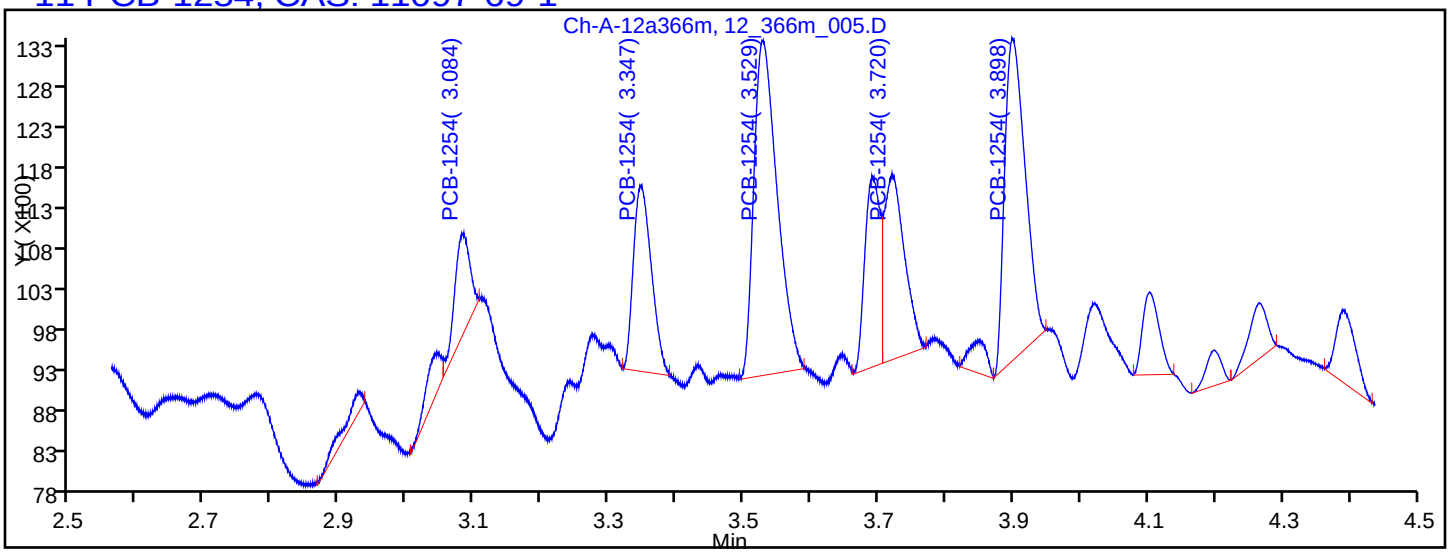
Report Date: 09-Jun-2016 10:51:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_005.D

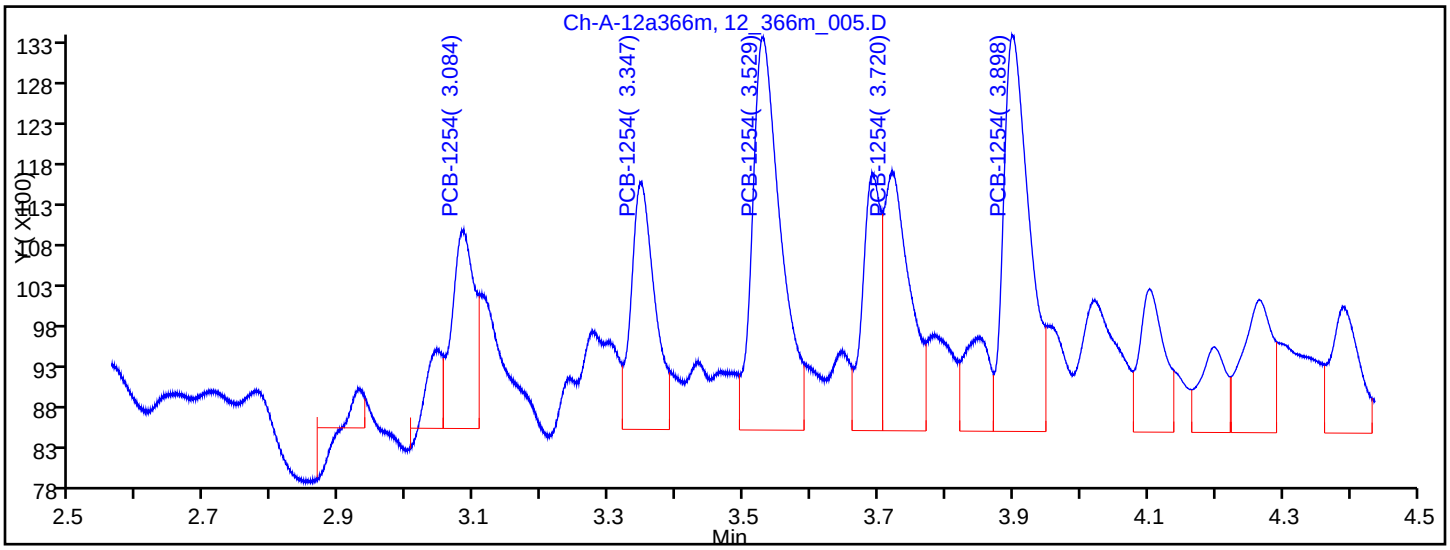
Injection Date:	09-Jun-2016 03:09:20	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-17-A	Lab Sample ID:	480-101258-17		
Client ID:	SS7-12				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.084	Response = 1992	M
RT = 3.347	Response = 4303	M
RT = 3.529	Response = 10029	M
RT = 3.720	Response = 4714	M
RT = 3.898	Response = 8437	M



Manual Integration Results

RT = 3.084	Response = 5702	M
RT = 3.347	Response = 7457	M
RT = 3.529	Response = 14266	M
RT = 3.720	Response = 8503	M
RT = 3.898	Response = 13110	M

Reviewer: owenj, 09-Jun-2016 10:50:59

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

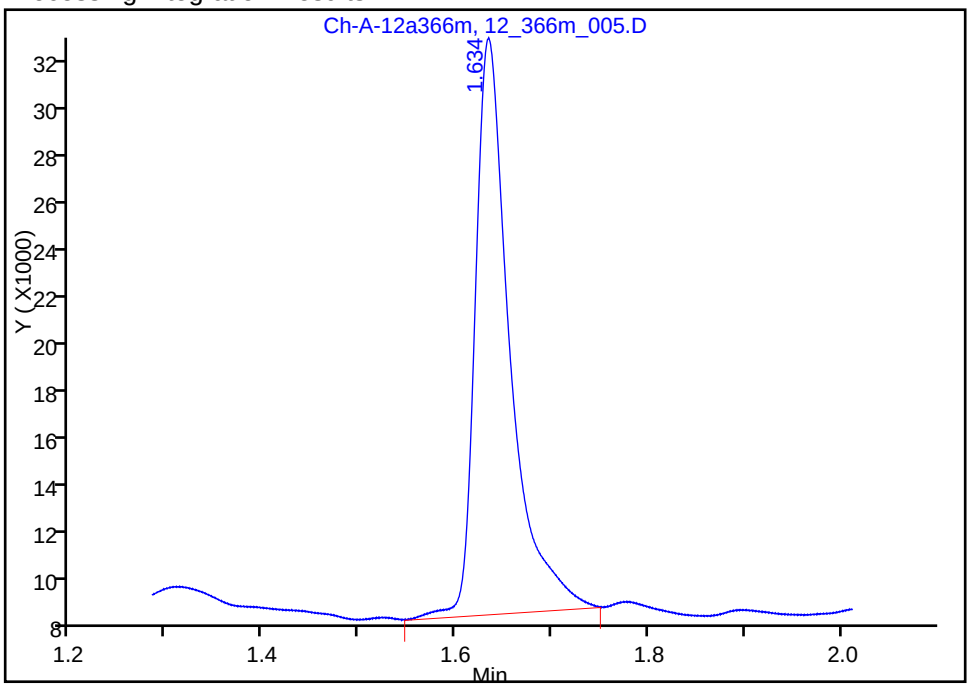
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_005.D				
Injection Date:	09-Jun-2016 03:09:20	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-17-A	Lab Sample ID:	480-101258-17		
Client ID:	SS7-12				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

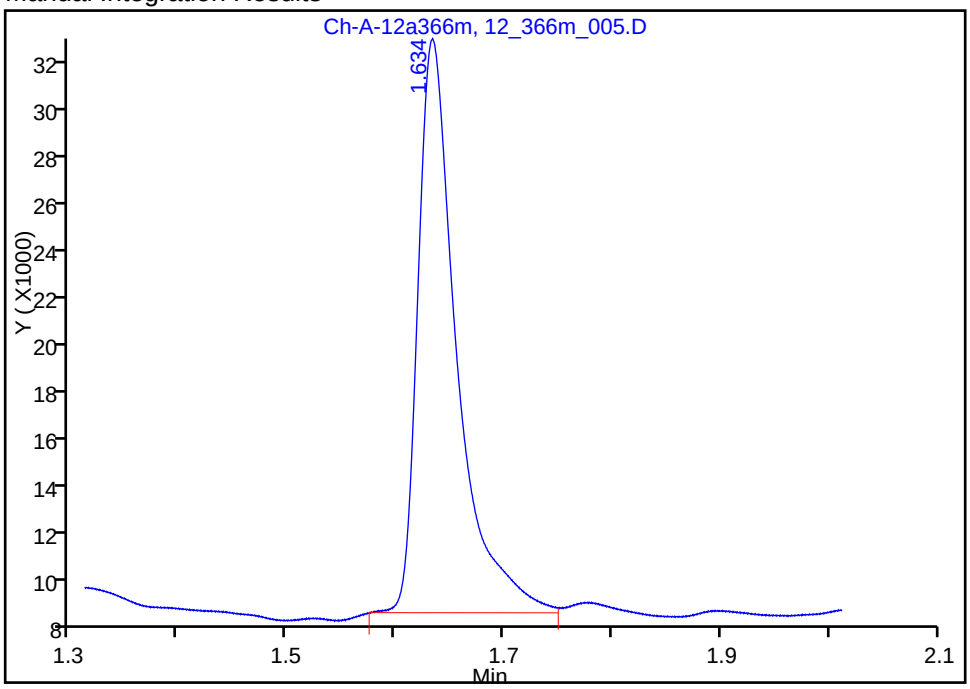
Processing Integration Results

RT: 1.63
Area: 59823
Amount: 0.029949
Amount Units: ng/uL



Manual Integration Results

RT: 1.63
Area: 59100
Amount: 0.030314
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:50:59

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

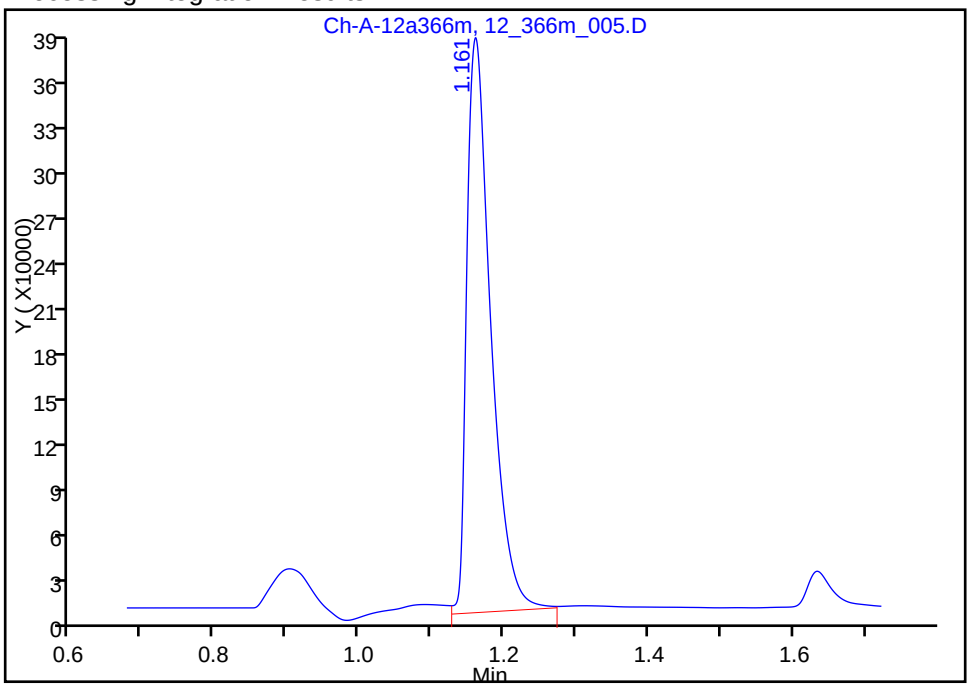
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_005.D				
Injection Date:	09-Jun-2016 03:09:20	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-17-A	Lab Sample ID:	480-101258-17		
Client ID:	SS7-12				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

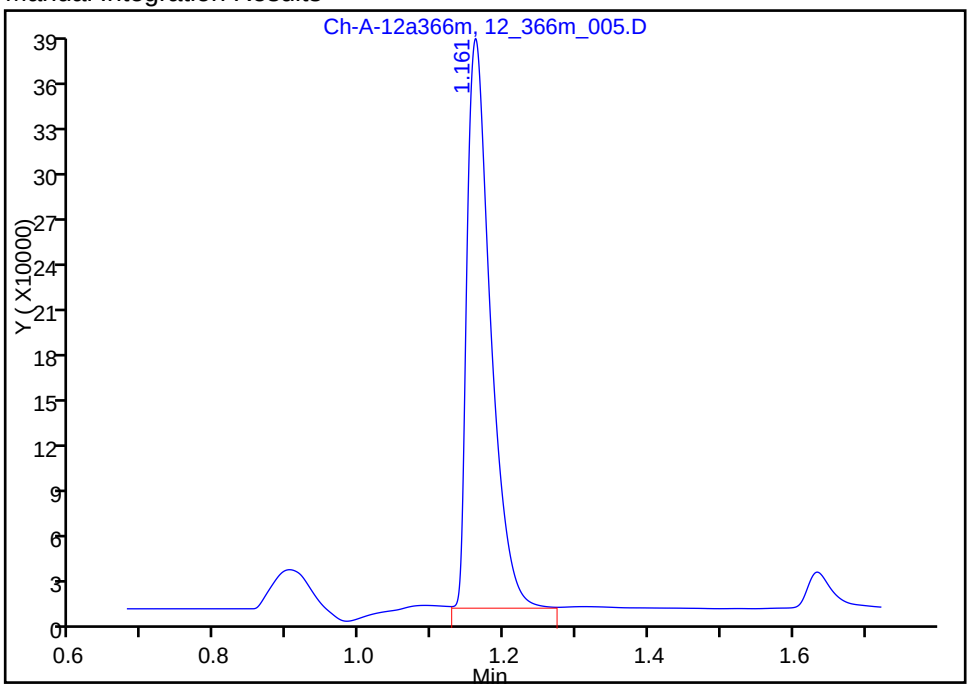
Processing Integration Results

RT: 1.16
Area: 871140
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 850252
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:50:59

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-13 | Lab Sample ID: 480-101258-18

Matrix: Solid | Lab File ID: 12_366m_006.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:29

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.17(g) | Date Analyzed: 06/09/2016 03:24

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.052
11104-28-2	PCB-1221	ND		0.27	0.052
11141-16-5	PCB-1232	ND		0.27	0.052
53469-21-9	PCB-1242	ND		0.27	0.052
12672-29-6	PCB-1248	ND		0.27	0.052
11097-69-1	PCB-1254	0.71		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	148		60-154
2051-24-3	DCB Decachlorobiphenyl	153		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_006.D
Lims ID: 480-101258-A-18-A
Client ID: SS7-13
Sample Type: Client
Inject. Date: 09-Jun-2016 03:24:41 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 10:52:13 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 10:52:13

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.161	1.157	0.004	832941	0.5000	
2	1.608	1.605	0.003	705350	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						M
1	1.635	1.631	0.004	56620	0.0296	M
2	2.201	2.198	0.003	41520	0.0346	
					RPD = 15.38	
11 PCB-1254						M
1	3.084	3.091	-0.007	11414	0.0967	M
1	3.347	3.355	-0.008	14746	0.0932	M
1	3.529	3.535	-0.006	26661	0.1657	M
1	3.721	3.733	-0.012	14071	0.1337	M
1	3.899	3.908	-0.009	25304	0.1708	M
		Average of Peak Amounts =			0.1320	
2	4.154	4.151	0.003	6433	0.0752	M
2	4.463	4.466	-0.003	1219	0.0237	M
2	4.553	4.554	-0.001	9171	0.0721	M
2	4.689	4.679	0.010	18499	0.1317	M
2	5.126	5.128	-0.002	16107	0.1721	M
		Average of Peak Amounts =			0.0949	
					RPD = 32.66	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.613	4.615	-0.002	4064	NC	M
2	5.453	5.443	0.009	4380	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.578	5.577	0.001	87382	0.0307	
2	7.235	7.235	0.000	73362	0.0311	
					RPD = 1.47	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

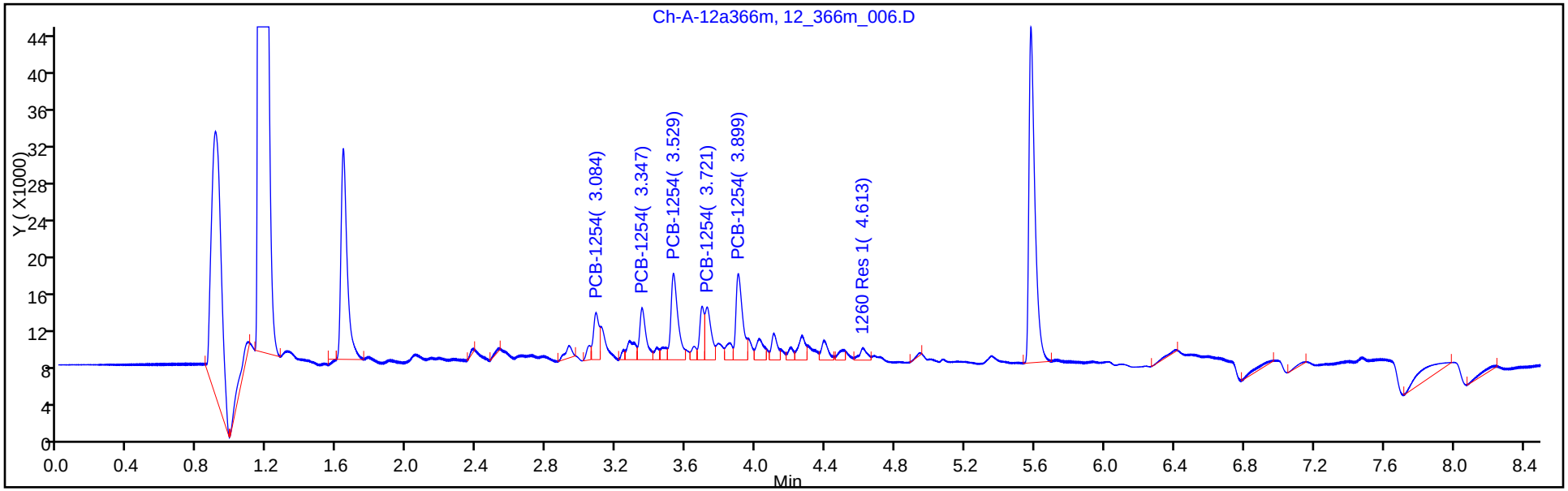
Report Date: 09-Jun-2016 10:52:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

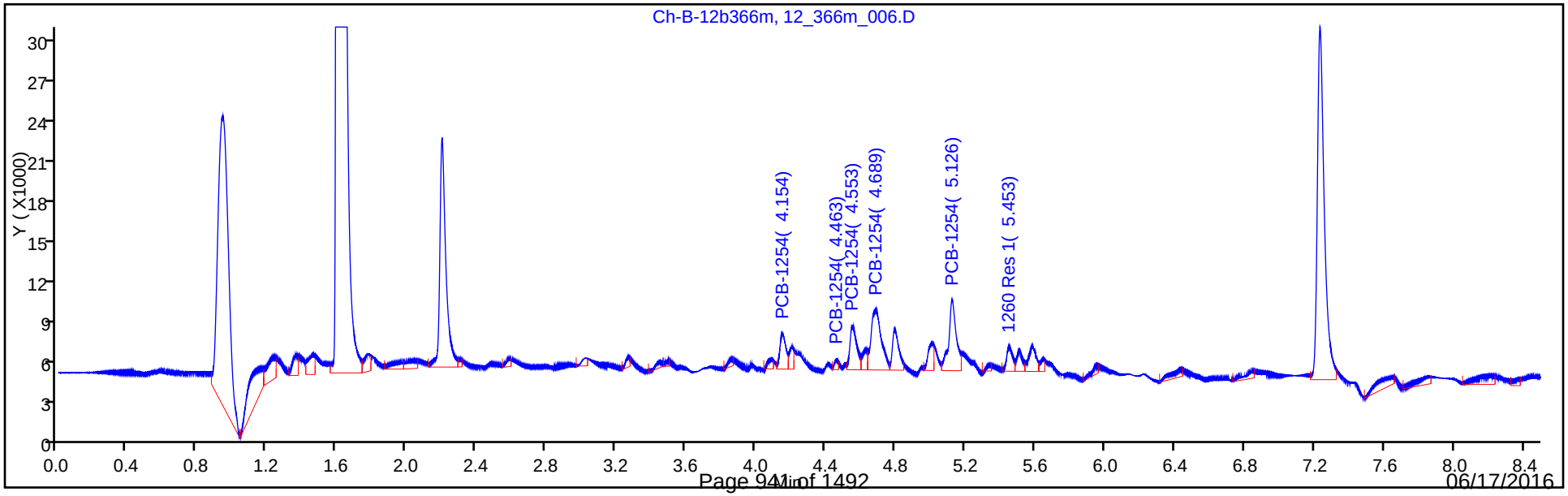
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_006.D

Injection Date:	09-Jun-2016 03:24:41	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-18-A	Lab Sample ID:	480-101258-18	Worklist Smp#:	41
Client ID:	SS7-13				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_006.D				
Lims ID:	480-101258-A-18-A				
Client ID:	SS7-13				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 03:24:41	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 10:52:13	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK022				
First Level Reviewer: owenj		Date:	09-Jun-2016 10:52:13		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0296	148.23
$ 15 DCB Decachlorobiphenyl	0.0200	0.0307	153.26

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0346	172.93
$ 15 DCB Decachlorobiphenyl	0.0200	0.0311	155.54

Report Date: 09-Jun-2016 10:52:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

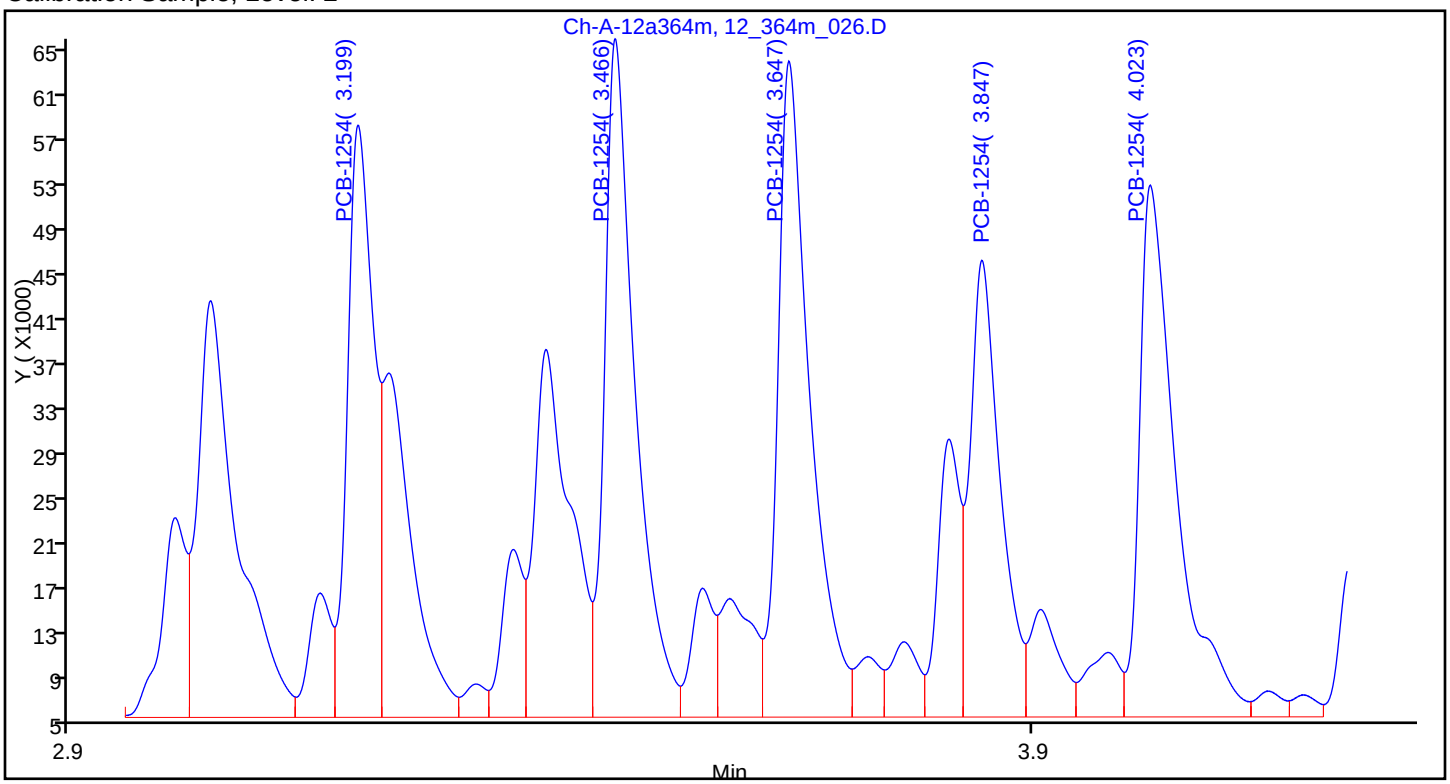
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_006.D

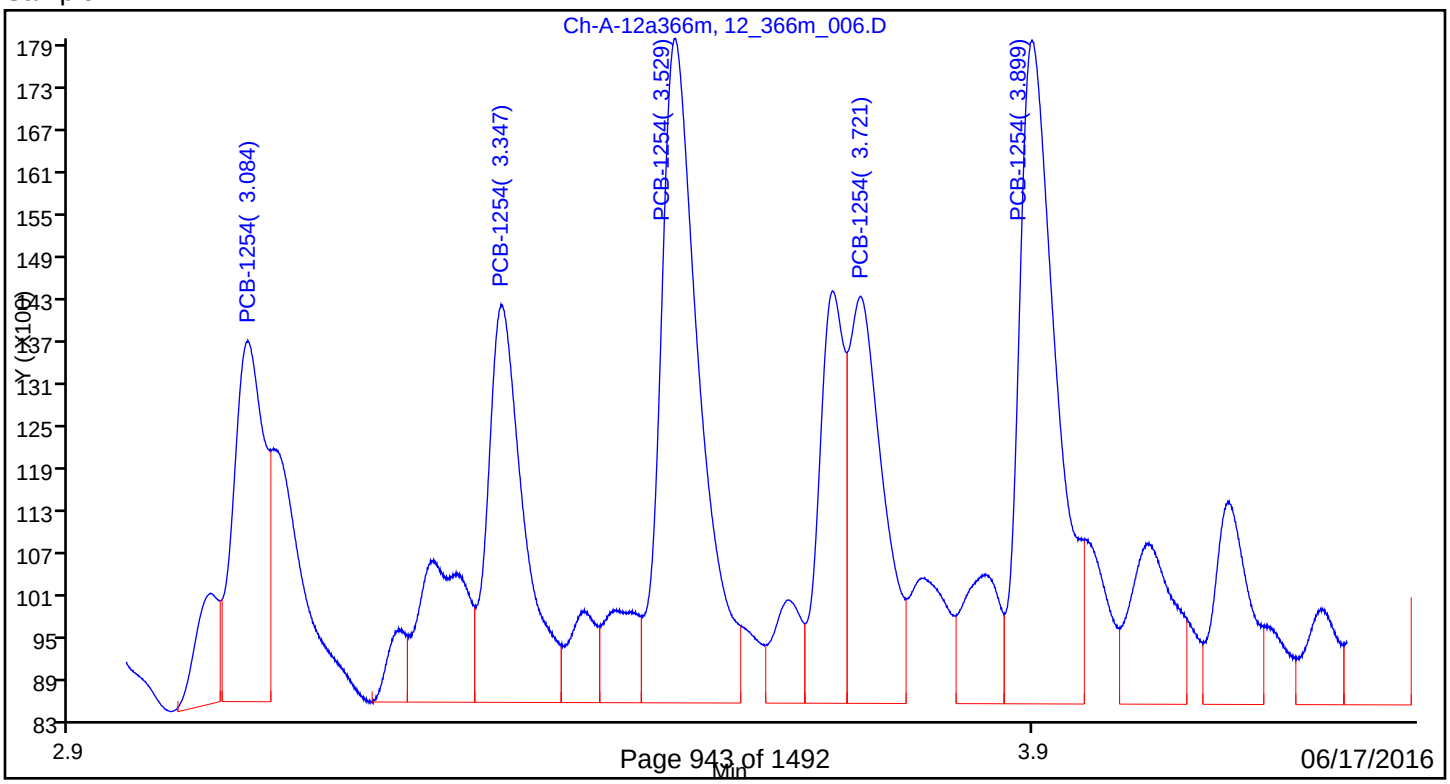
Injection Date:	09-Jun-2016 03:24:41	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-18-A	Lab Sample ID:	480-101258-18		
Client ID:	SS7-13				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



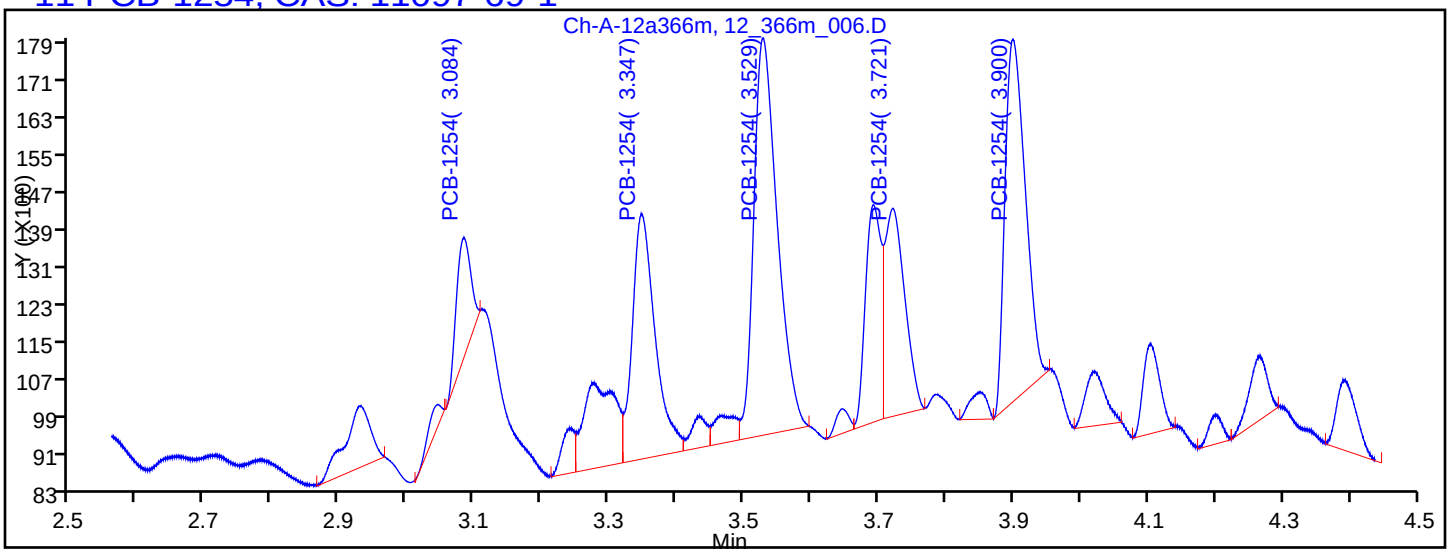
Report Date: 09-Jun-2016 10:52:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_006.D

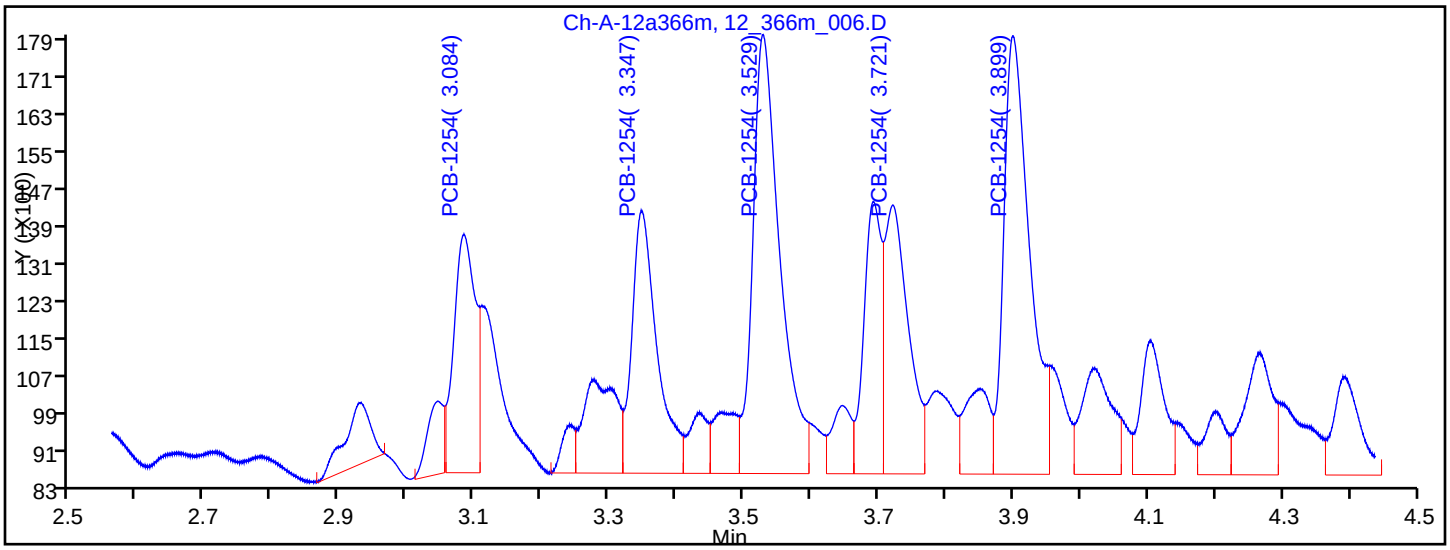
Injection Date:	09-Jun-2016 03:24:41	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-18-A	Lab Sample ID:	480-101258-18		
Client ID:	SS7-13				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.084	Response = 3830	M
RT = 3.347	Response = 12456	M
RT = 3.529	Response = 20815	M
RT = 3.721	Response = 9034	M
RT = 3.900	Response = 16359	M



Manual Integration Results

RT = 3.084	Response = 11414	M
RT = 3.347	Response = 14746	M
RT = 3.529	Response = 26661	M
RT = 3.721	Response = 14071	M
RT = 3.899	Response = 25304	M

Reviewer: owenj, 09-Jun-2016 10:52:13

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

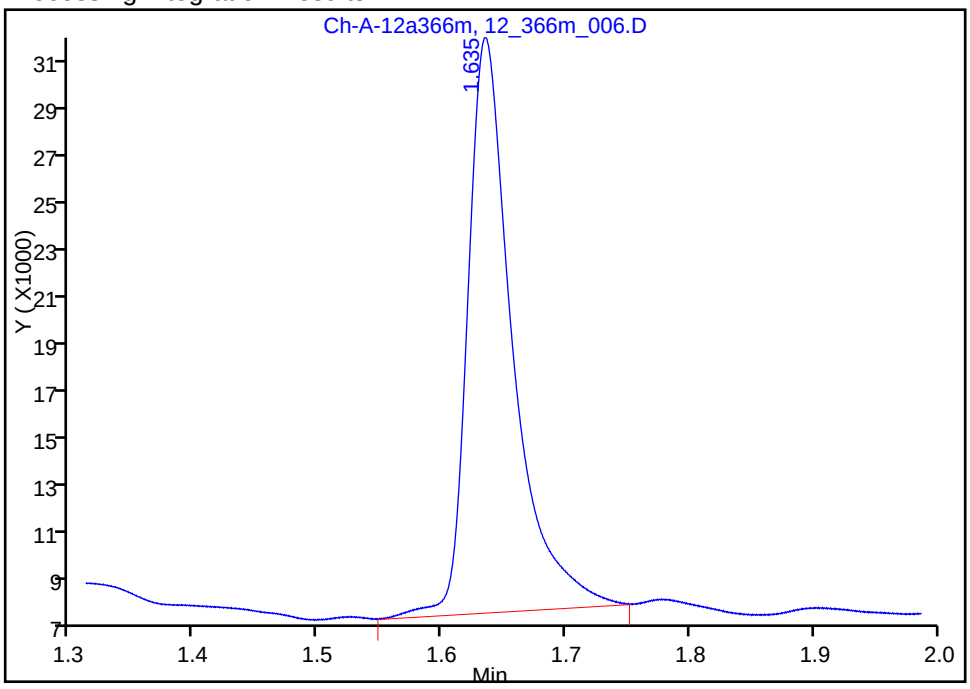
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_006.D				
Injection Date:	09-Jun-2016 03:24:41	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-18-A	Lab Sample ID:	480-101258-18		
Client ID:	SS7-13				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

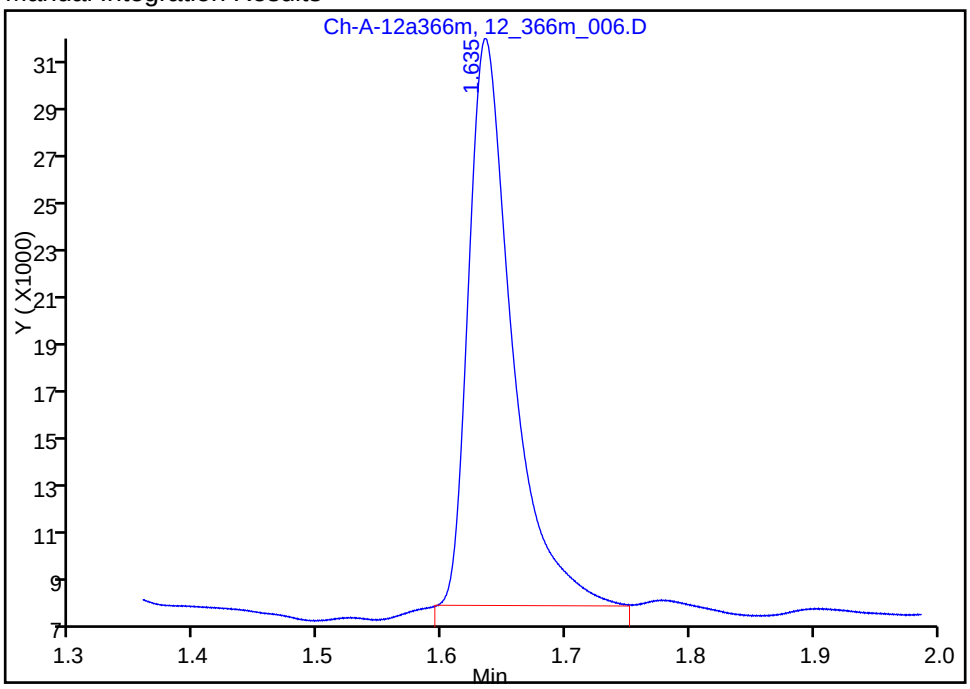
Processing Integration Results

RT: 1.63
Area: 59391
Amount: 0.031097
Amount Units: ng/uL



Manual Integration Results

RT: 1.63
Area: 56620
Amount: 0.029646
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:52:13

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-14 | Lab Sample ID: 480-101258-19

Matrix: Solid | Lab File ID: 12_366m_007.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:34

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.22(g) | Date Analyzed: 06/09/2016 03:40

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 9.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.25	0.048
11104-28-2	PCB-1221	ND		0.25	0.048
11141-16-5	PCB-1232	ND		0.25	0.048
53469-21-9	PCB-1242	ND		0.25	0.048
12672-29-6	PCB-1248	ND		0.25	0.048
11097-69-1	PCB-1254	1.9		0.25	0.12
11096-82-5	PCB-1260	ND		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	147		60-154
2051-24-3	DCB Decachlorobiphenyl	154		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_007.D
Lims ID: 480-101258-A-19-A
Client ID: SS7-14
Sample Type: Client
Inject. Date: 09-Jun-2016 03:40:03 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 10:53:06 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 10:53:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.159	1.157	0.002	843331	0.5000	M
2	1.607	1.605	0.002	698911	0.5000	M
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						M
1	1.633	1.631	0.002	56952	0.0295	M
2	2.199	2.198	0.001	39217	0.0330	M
					RPD = 11.27	
11 PCB-1254						M
1	3.083	3.091	-0.008	56266	0.4706	M
1	3.347	3.355	-0.008	47421	0.2961	M
1	3.525	3.535	-0.010	61259	0.3760	M
1	3.722	3.733	-0.011	41664	0.3909	M
1	3.898	3.908	-0.010	65271	0.4351	M
		Average of Peak Amounts =			0.3937	
2	4.151	4.151	0.000	22315	0.2632	M
2	4.464	4.466	-0.002	10613	0.2082	M
2	4.554	4.554	0.000	33634	0.2667	M
2	4.691	4.679	0.012	47223	0.3393	M
2	5.124	5.128	-0.004	41353	0.4459	M
		Average of Peak Amounts =			0.3047	
					RPD = 25.51	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.615	4.615	-0.001	7098	NC	M
2	5.452	5.443	0.009	13329	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.577	5.577	0.000	89060	0.0309	
2	7.235	7.235	0.000	73579	0.0315	
					RPD = 2.02	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

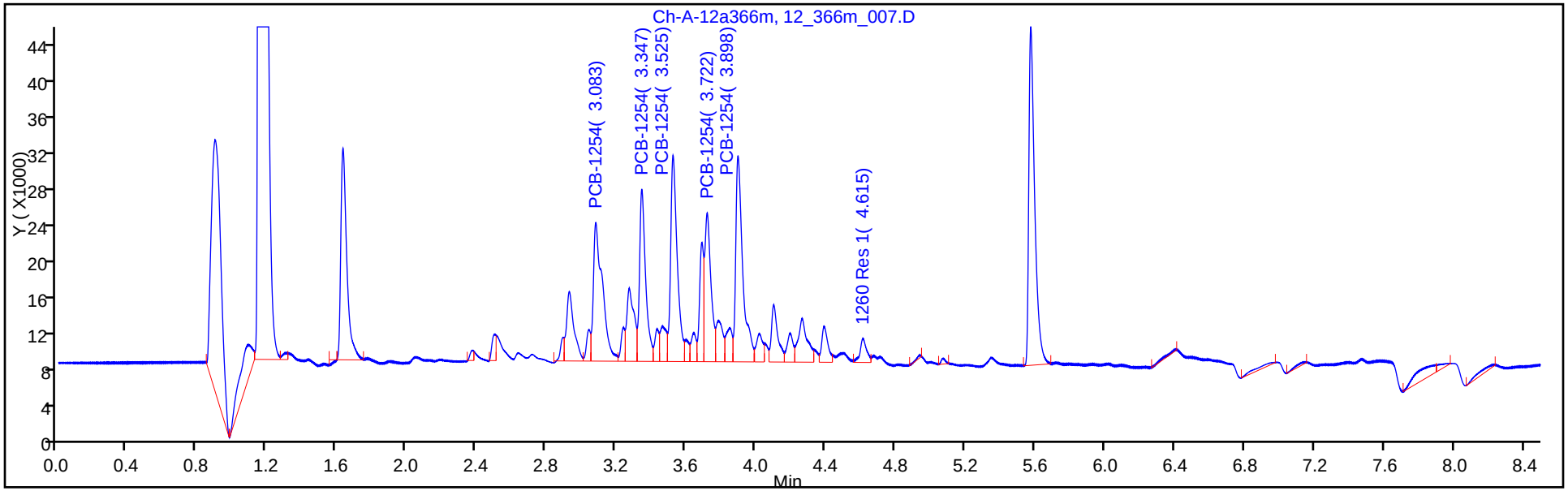
Report Date: 09-Jun-2016 10:53:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

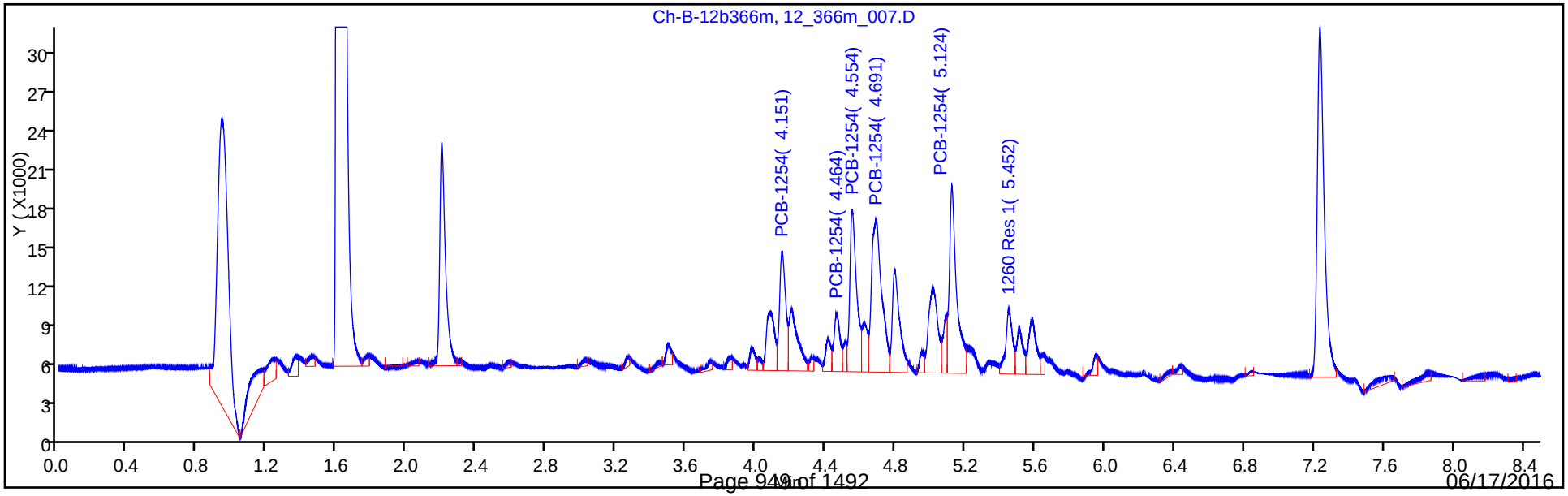
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_007.D

Injection Date:	09-Jun-2016 03:40:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-19-A	Lab Sample ID:	480-101258-19	Worklist Smp#:	42
Client ID:	SS7-14				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_007.D				
Lims ID:	480-101258-A-19-A				
Client ID:	SS7-14				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 03:40:03	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 10:53:06	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK022				
First Level Reviewer: owenj		Date:	09-Jun-2016 10:53:06		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0295	147.26
$ 15 DCB Decachlorobiphenyl	0.0200	0.0309	154.28

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0330	164.84
$ 15 DCB Decachlorobiphenyl	0.0200	0.0315	157.43

Report Date: 09-Jun-2016 10:53:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

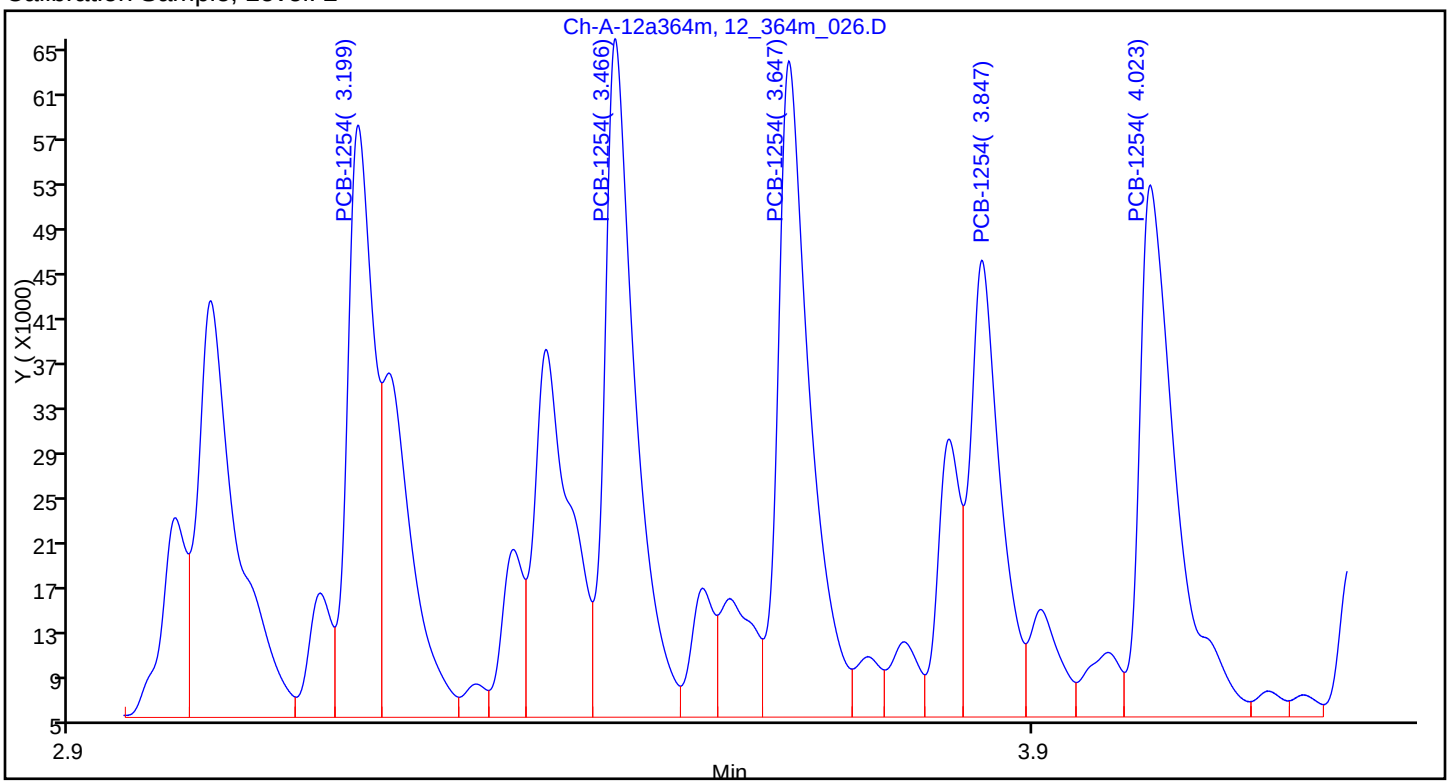
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_007.D

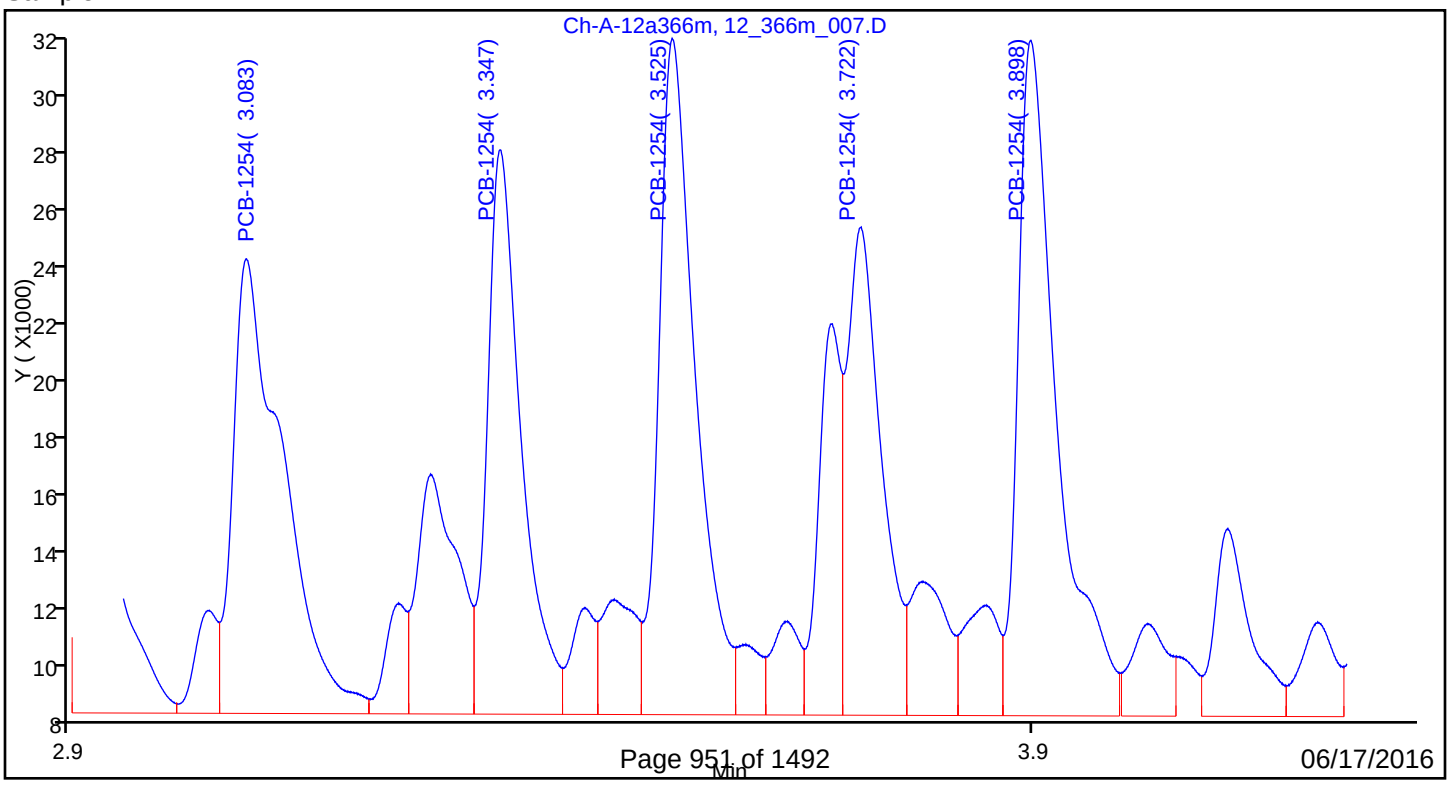
Injection Date:	09-Jun-2016 03:40:03	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-19-A	Lab Sample ID:	480-101258-19		
Client ID:	SS7-14				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



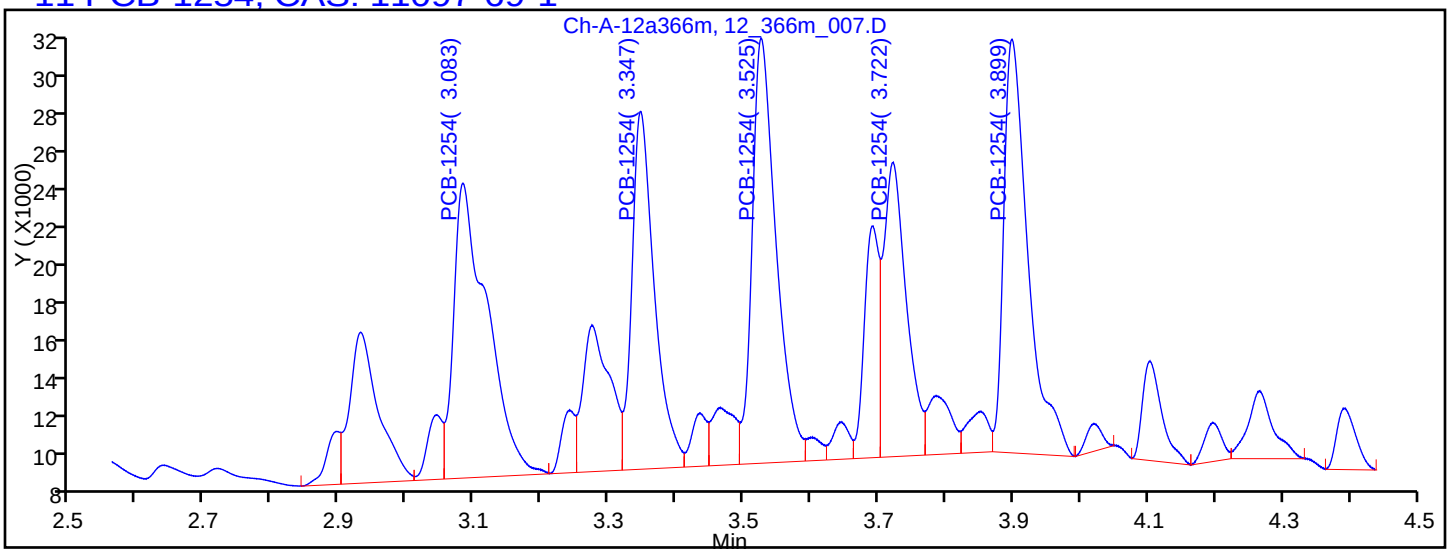
Report Date: 09-Jun-2016 10:53:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_007.D

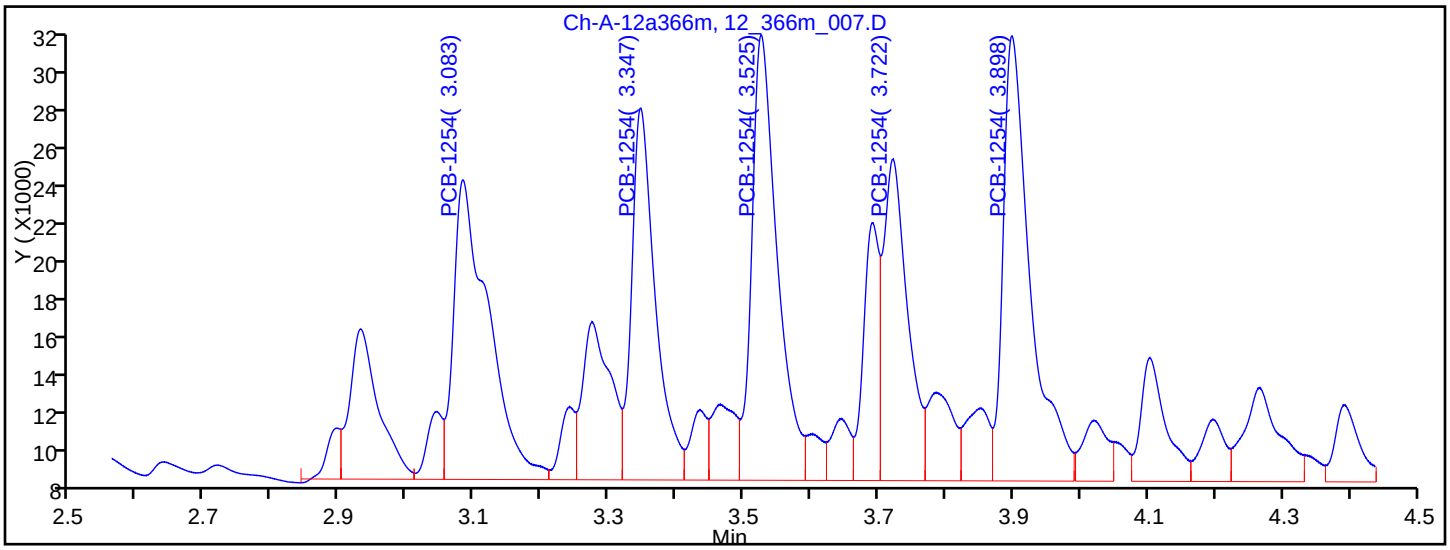
Injection Date:	09-Jun-2016 03:40:03	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-19-A	Lab Sample ID:	480-101258-19		
Client ID:	SS7-14				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.083	Response = 53191	M
RT = 3.347	Response = 43242	M
RT = 3.525	Response = 54900	M
RT = 3.722	Response = 35918	M
RT = 3.899	Response = 53889	M



Manual Integration Results

RT = 3.083	Response = 56266	M
RT = 3.347	Response = 47421	M
RT = 3.525	Response = 61259	M
RT = 3.722	Response = 41664	M
RT = 3.898	Response = 65271	M

Reviewer: owenj, 09-Jun-2016 10:53:06

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

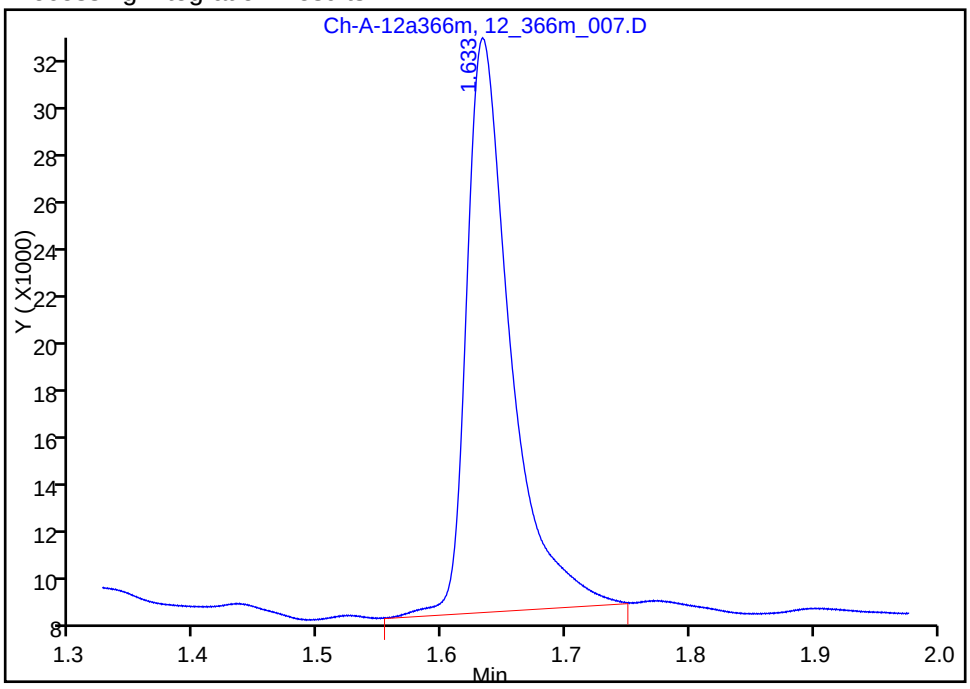
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_007.D				
Injection Date:	09-Jun-2016 03:40:03	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-19-A	Lab Sample ID:	480-101258-19		
Client ID:	SS7-14				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

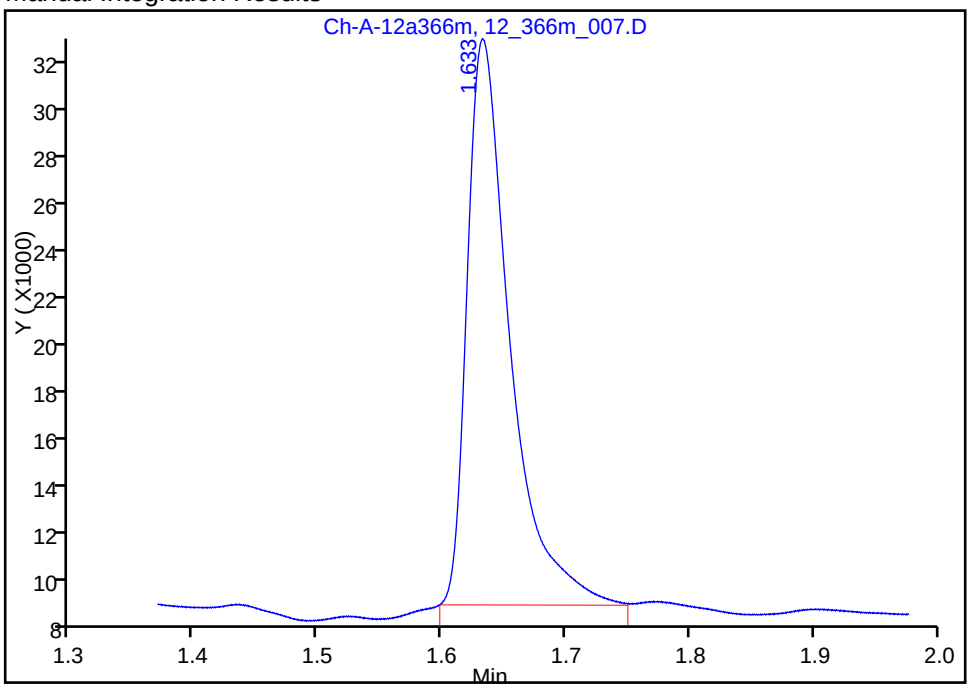
Processing Integration Results

RT: 1.63
Area: 59511
Amount: 0.029948
Amount Units: ng/uL



Manual Integration Results

RT: 1.63
Area: 56952
Amount: 0.029452
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:53:06

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

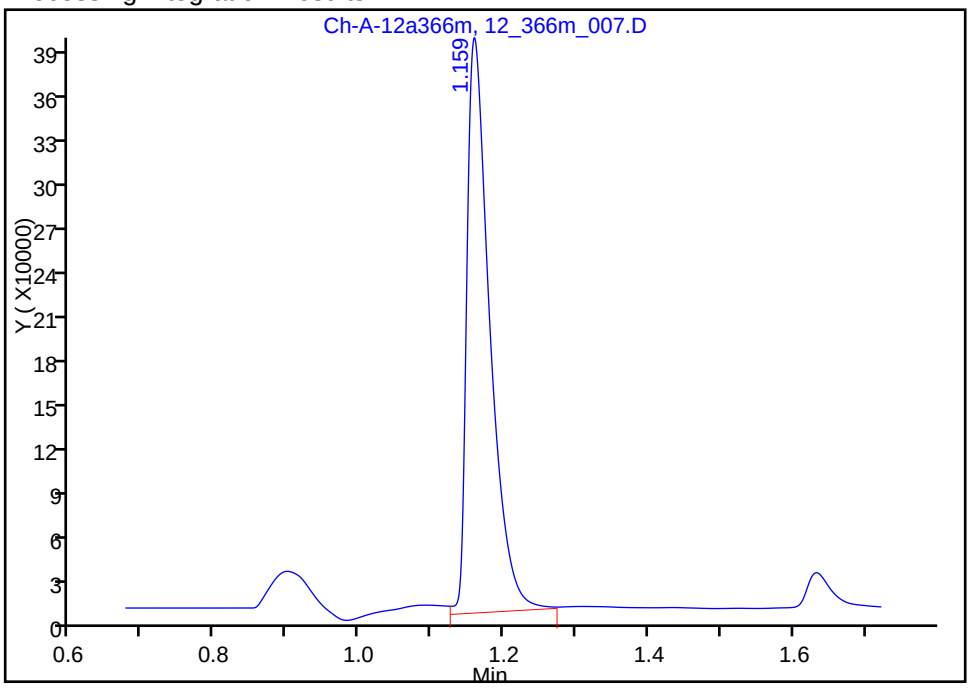
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_007.D				
Injection Date:	09-Jun-2016 03:40:03	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-19-A	Lab Sample ID:	480-101258-19		
Client ID:	SS7-14				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

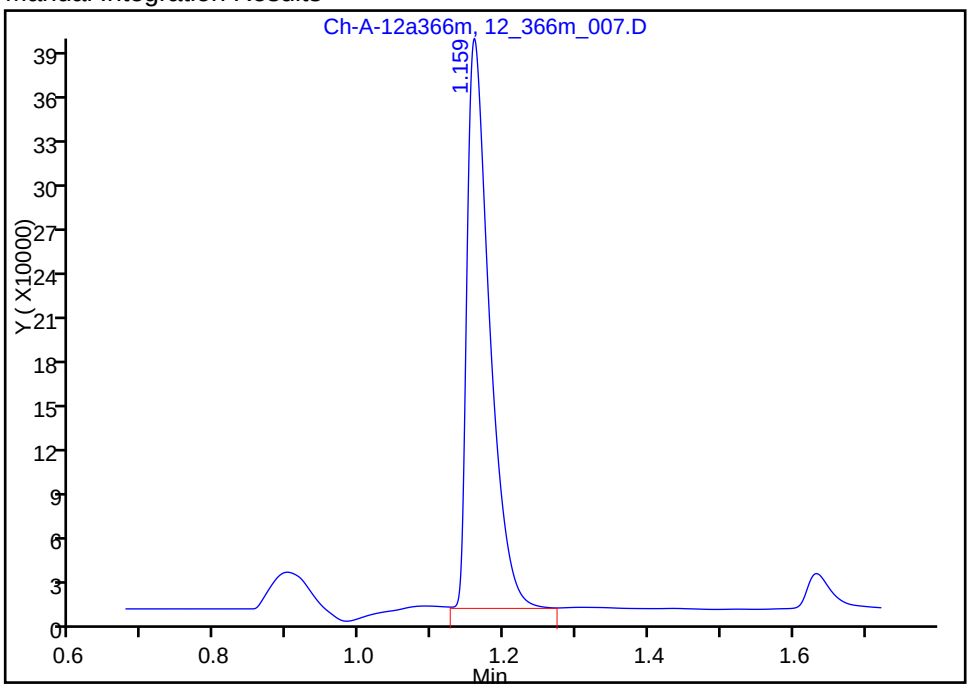
Processing Integration Results

RT: 1.16
Area: 866650
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 843331
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:53:06
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-15 | Lab Sample ID: 480-101258-20

Matrix: Solid | Lab File ID: 12_365m_337.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:40

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.82(g) | Date Analyzed: 06/09/2016 00:27

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.21	0.041
11104-28-2	PCB-1221	ND		0.21	0.041
11141-16-5	PCB-1232	ND		0.21	0.041
53469-21-9	PCB-1242	ND		0.21	0.041
12672-29-6	PCB-1248	ND		0.21	0.041
11097-69-1	PCB-1254	0.55		0.21	0.097
11096-82-5	PCB-1260	ND		0.21	0.097

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	122		60-154
2051-24-3	DCB Decachlorobiphenyl	123		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_337.D
Lims ID: 480-101258-A-20-C
Client ID: SS7-15
Sample Type: Client
Inject. Date: 09-Jun-2016 00:27:34 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:15:57 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:15:56

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.161	1.159	0.002	1045887	0.5000	M
2	1.607	1.606	0.001	860651	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.631	1.631	0.000	58561	0.0244	
2	2.198	2.198	0.000	41979	0.0287	
					RPD = 15.97	
11 PCB-1254						M
1	3.083	3.091	-0.008	13362	0.0901	M
1	3.346	3.355	-0.009	20865	0.1051	M
1	3.525	3.535	-0.010	31262	0.1547	M
1	3.720	3.733	-0.013	18620	0.1409	M
1	3.897	3.908	-0.011	31463	0.1691	M
		Average of Peak Amounts =			0.1320	
2	4.151	4.151	0.000	9057	0.0867	M
2	4.461	4.466	-0.005	3562	0.0567	M
2	4.553	4.554	-0.001	15426	0.0993	M
2	4.688	4.679	0.009	26218	0.1530	M
2	5.124	5.128	-0.004	28179	0.2468	M
		Average of Peak Amounts =			0.1285	
					RPD = 2.66	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	4.613	4.615	-0.002	4331	NC	
2	5.452	5.443	0.009	6471	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.577	5.577	0.000	87798	0.0245	
2	7.237	7.235	0.002	75582	0.0263	
					RPD = 6.84	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

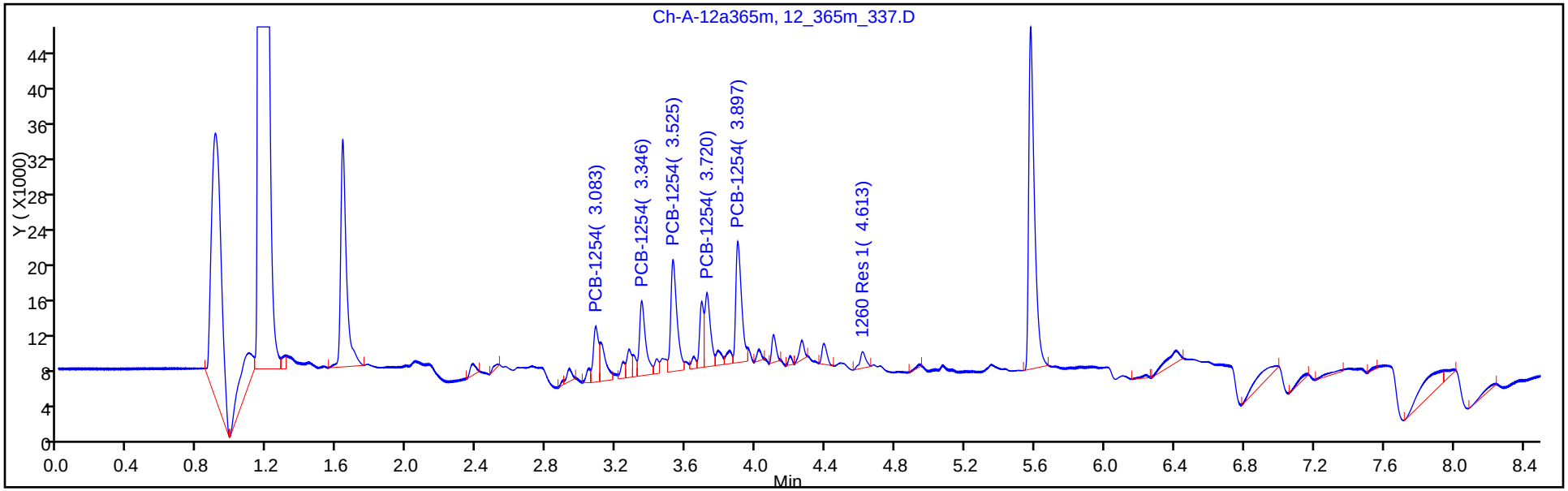
Report Date: 09-Jun-2016 02:15:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

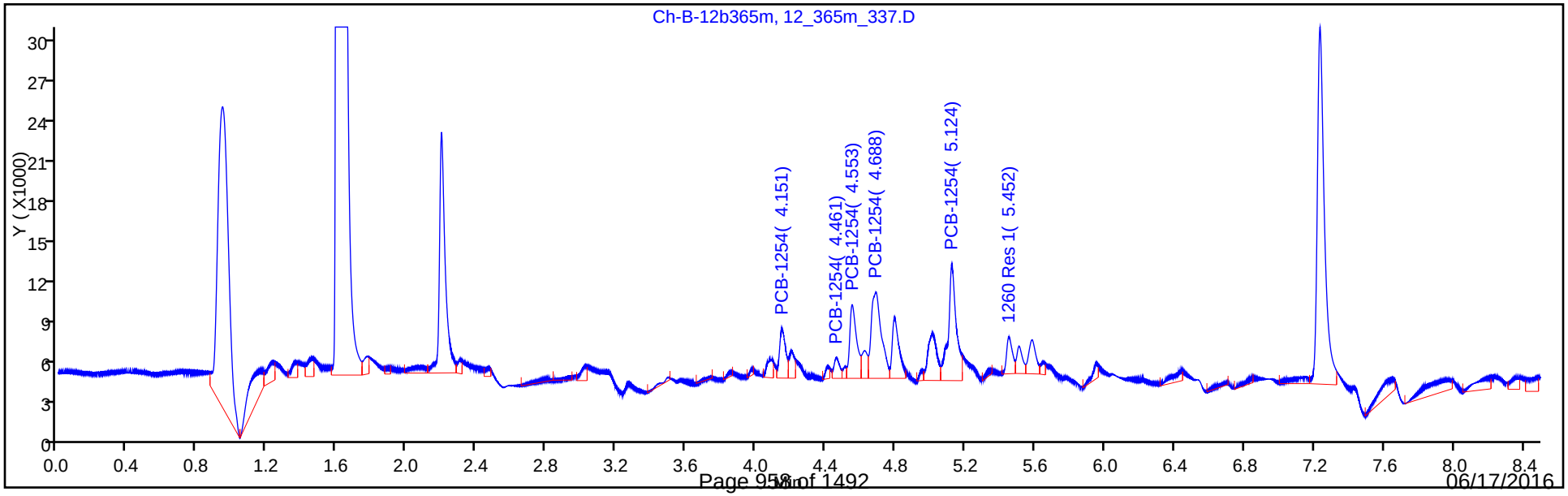
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_337.D

Injection Date:	09-Jun-2016 00:27:34	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-20-C	Lab Sample ID:	480-101258-20	Worklist Smp#:	31
Client ID:	SS7-15				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_337.D				
Lims ID:	480-101258-A-20-C				
Client ID:	SS7-15				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 00:27:34	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:15:57	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:15:56		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0244	122.10
$ 15 DCB Decachlorobiphenyl	0.0200	0.0245	122.64

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0287	143.29
$ 15 DCB Decachlorobiphenyl	0.0200	0.0263	131.33

Report Date: 09-Jun-2016 02:16:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

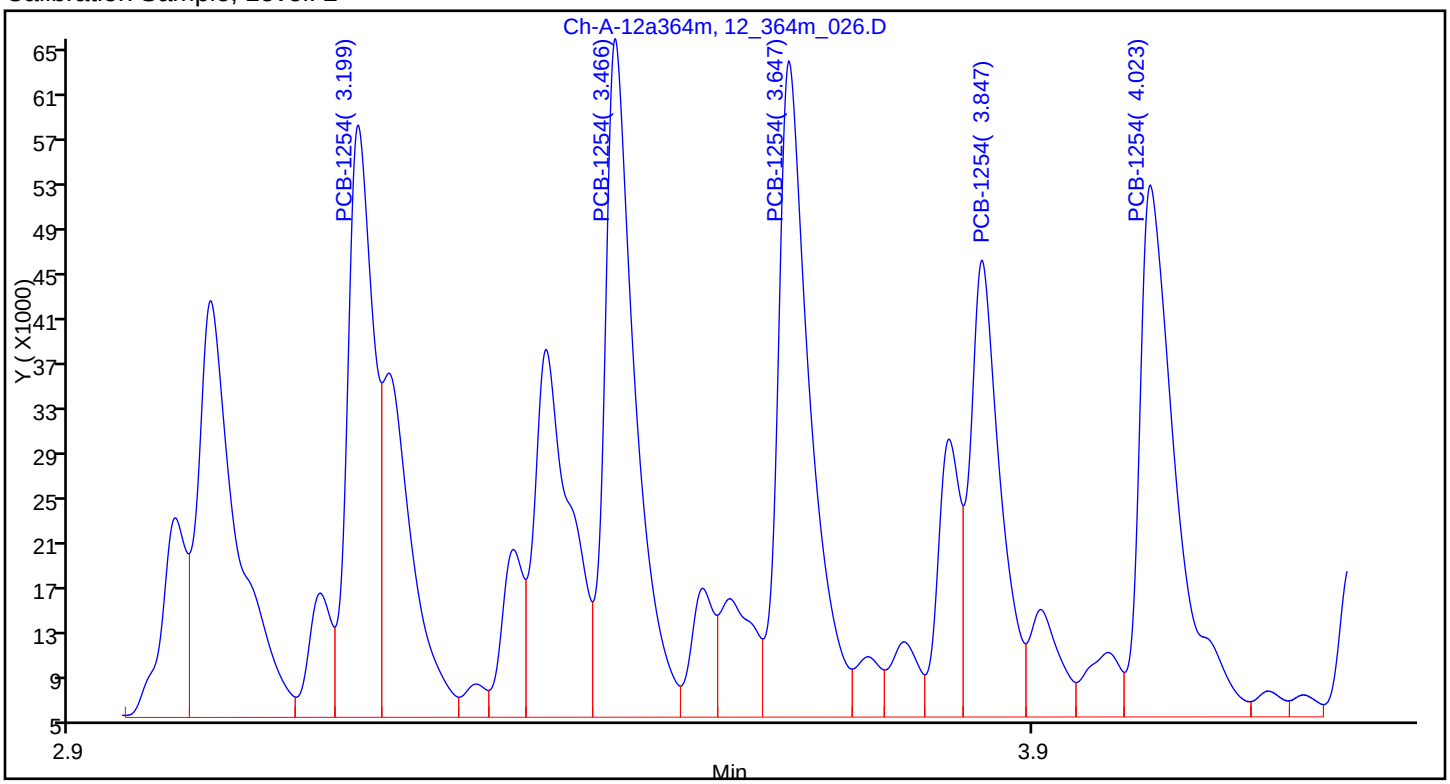
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_337.D

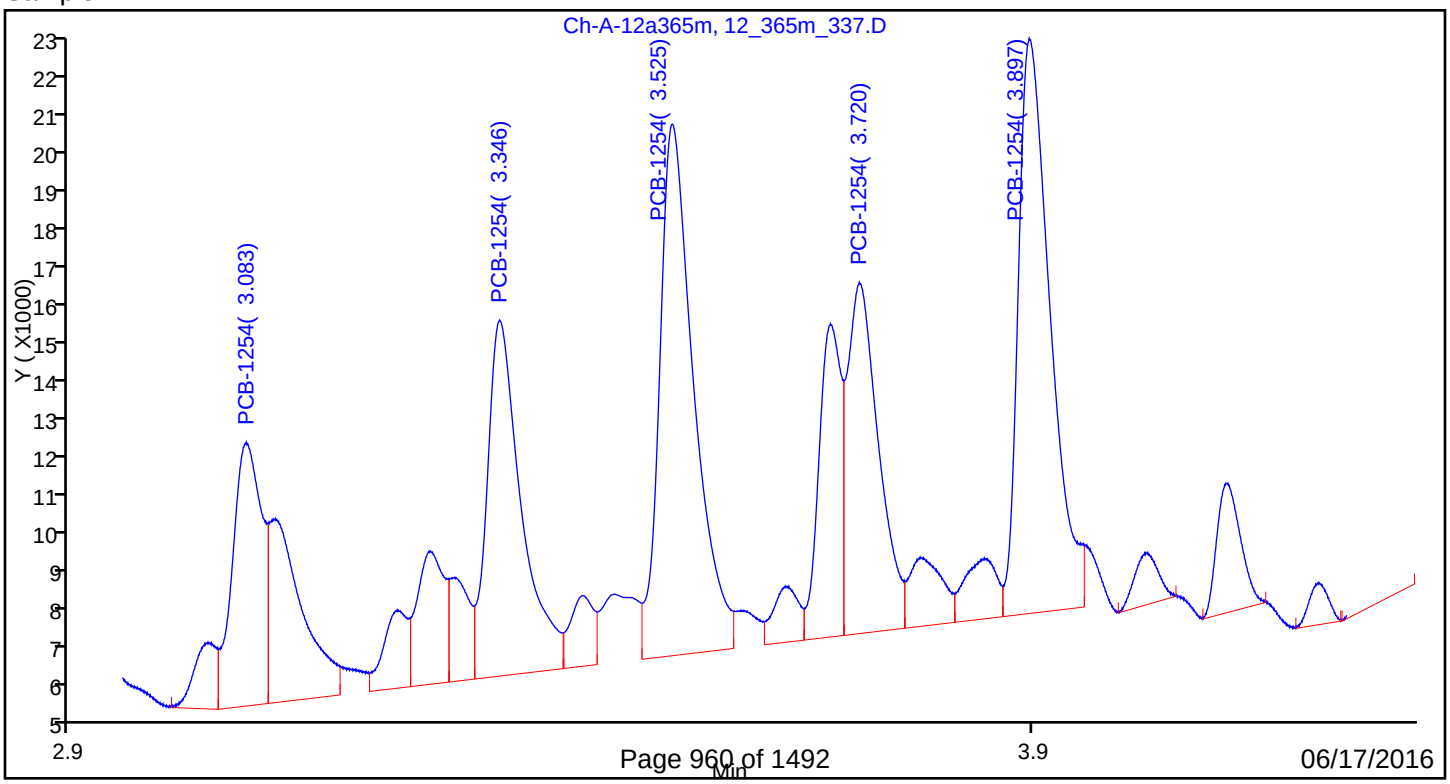
Injection Date:	09-Jun-2016 00:27:34	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-C	Lab Sample ID:	480-101258-20		
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



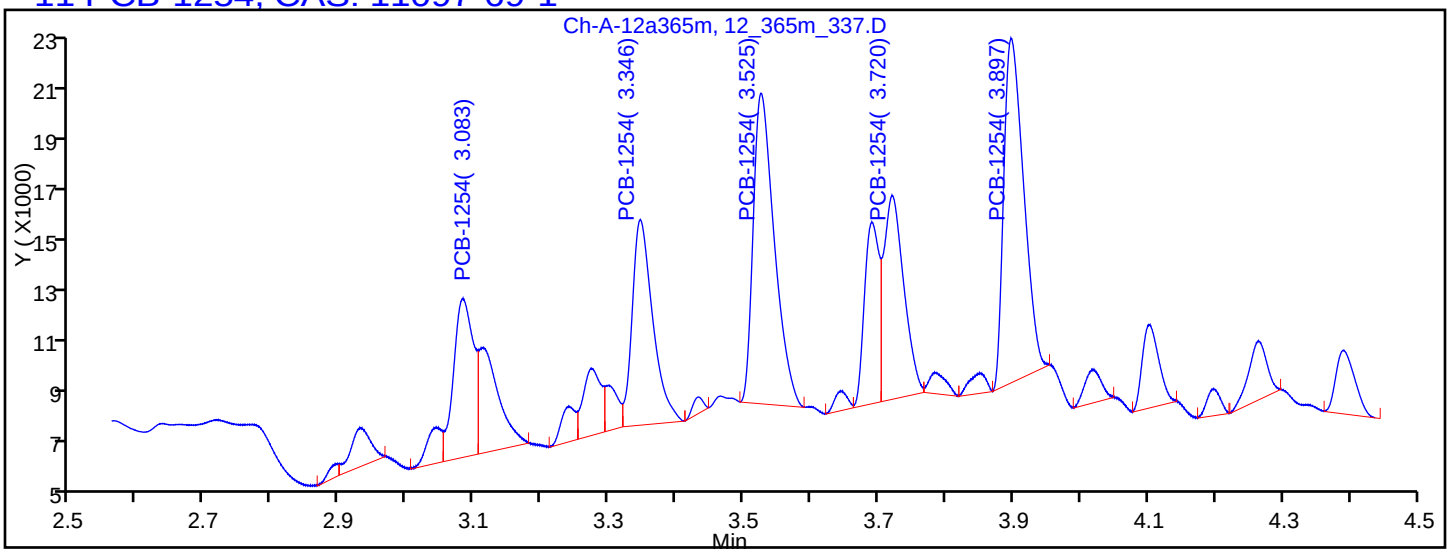
Report Date: 09-Jun-2016 02:16:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_337.D

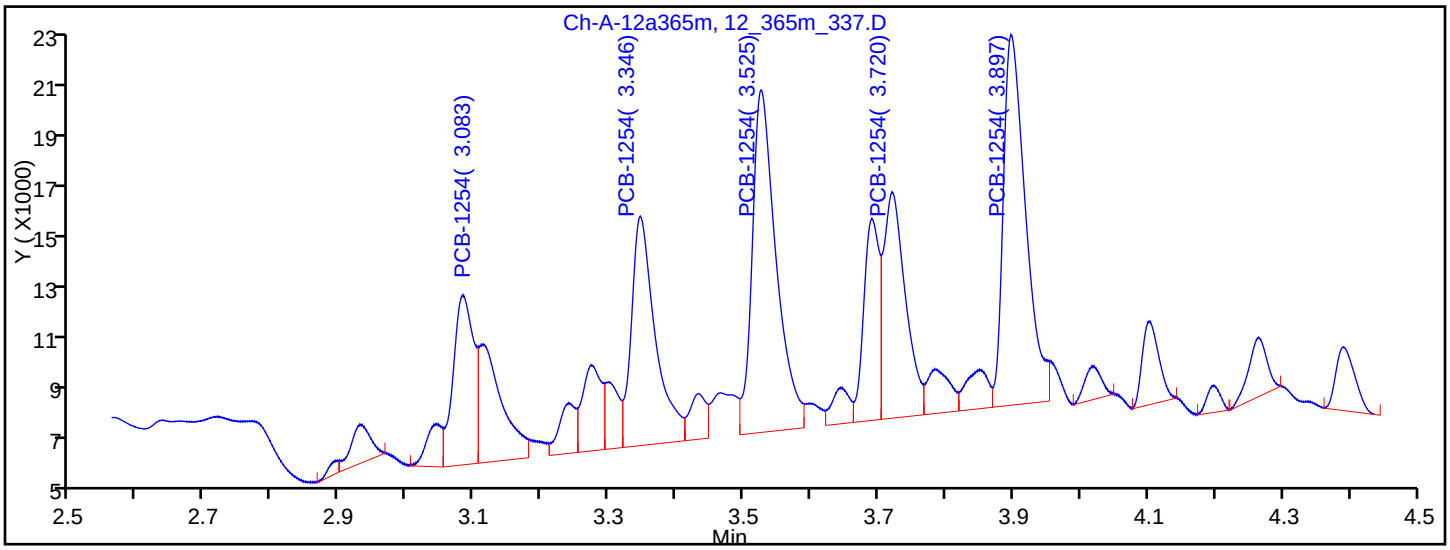
Injection Date:	09-Jun-2016 00:27:34	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-C	Lab Sample ID:	480-101258-20		
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.083	Response = 12153	M
RT = 3.346	Response = 16104	M
RT = 3.525	Response = 24987	M
RT = 3.720	Response = 15367	M
RT = 3.897	Response = 26007	M



Manual Integration Results

RT = 3.083	Response = 13362	M
RT = 3.346	Response = 20865	M
RT = 3.525	Response = 31262	M
RT = 3.720	Response = 18620	M
RT = 3.897	Response = 31463	M

Reviewer: sobolk, 09-Jun-2016 02:15:56

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

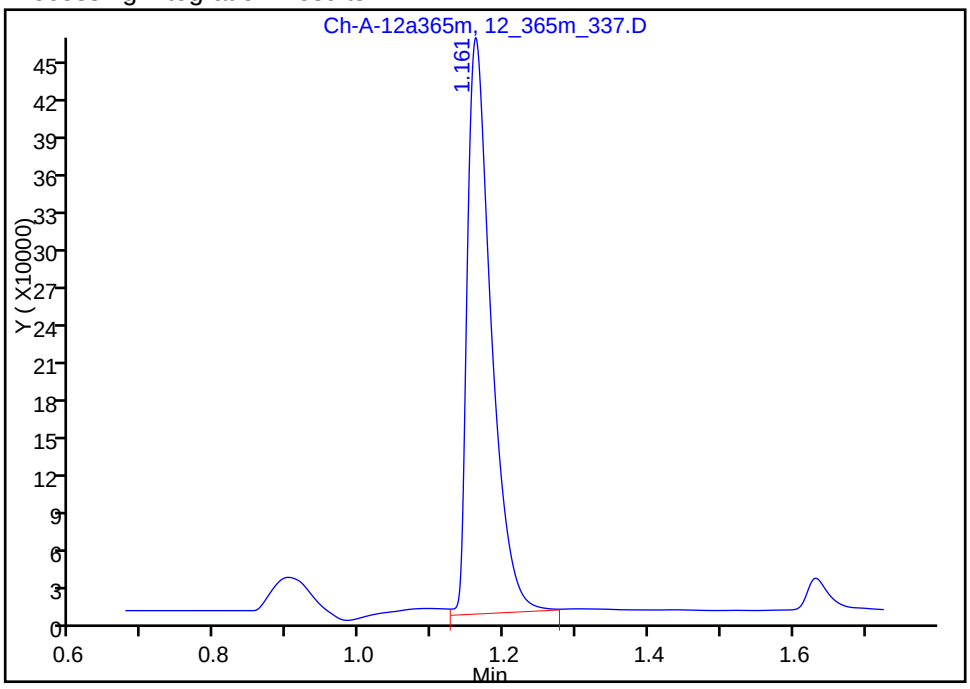
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_337.D				
Injection Date:	09-Jun-2016 00:27:34	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-C	Lab Sample ID:	480-101258-20		
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

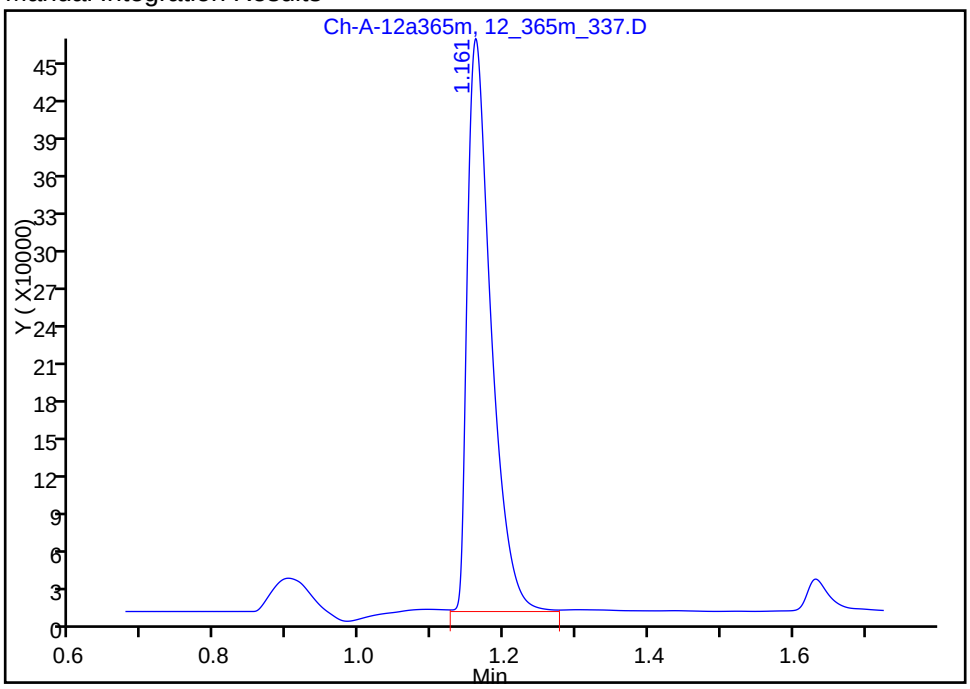
Processing Integration Results

RT: 1.16
Area: 1060043
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 1045887
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 09-Jun-2016 02:15:56

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-DUP2 | Lab Sample ID: 480-101258-21

Matrix: Solid | Lab File ID: 12_366m_008.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:36

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.12(g) | Date Analyzed: 06/09/2016 03:55

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 12.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.053
11104-28-2	PCB-1221	ND		0.27	0.053
11141-16-5	PCB-1232	ND		0.27	0.053
53469-21-9	PCB-1242	ND		0.27	0.053
12672-29-6	PCB-1248	ND		0.27	0.053
11097-69-1	PCB-1254	3.7		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	150		60-154
2051-24-3	DCB Decachlorobiphenyl	153		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_008.D
Lims ID: 480-101258-A-21-A
Client ID: SS7-DUP2
Sample Type: Client
Inject. Date: 09-Jun-2016 03:55:21 ALS Bottle#: 0 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 10:53:59 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 10:53:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						M
1	1.161	1.157	0.004	849147	0.5000	M
2	1.608	1.605	0.003	704701	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						M
1	1.635	1.631	0.004	58228	0.0299	M
2	2.201	2.198	0.003	40811	0.0340	
					RPD = 12.89	
11 PCB-1254						M
1	3.081	3.091	-0.010	107836	0.8958	M
1	3.345	3.355	-0.010	90194	0.5594	M
1	3.524	3.535	-0.011	101884	0.6210	M
1	3.720	3.733	-0.013	68386	0.6373	M
1	3.897	3.908	-0.011	108526	0.7184	M
		Average of Peak Amounts =			0.6864	
2	4.149	4.151	-0.002	42133	0.4928	M
2	4.462	4.466	-0.004	20844	0.4055	M
2	4.551	4.554	-0.003	62639	0.4926	M
2	4.689	4.679	0.010	77886	0.5550	M
2	5.123	5.128	-0.005	66705	0.7134	M
		Average of Peak Amounts =			0.5319	
					RPD = 25.37	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.613	4.615	-0.002	13889	NC	M
2	5.451	5.443	0.007	20093	NC	M
4 1260 Res 2						M
1	4.677	4.678	-0.001	2929	NC	M
2	5.511	5.509	0.001	13410	NC	M
3 1260 Res 3						M
1	4.713	4.717	-0.003	3594	NC	M
2	5.581	5.572	0.009	20052	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.577	5.577	0.000	88978	0.0306	
2	7.235	7.235	0.000	73763	0.0313	
					RPD = 2.23	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

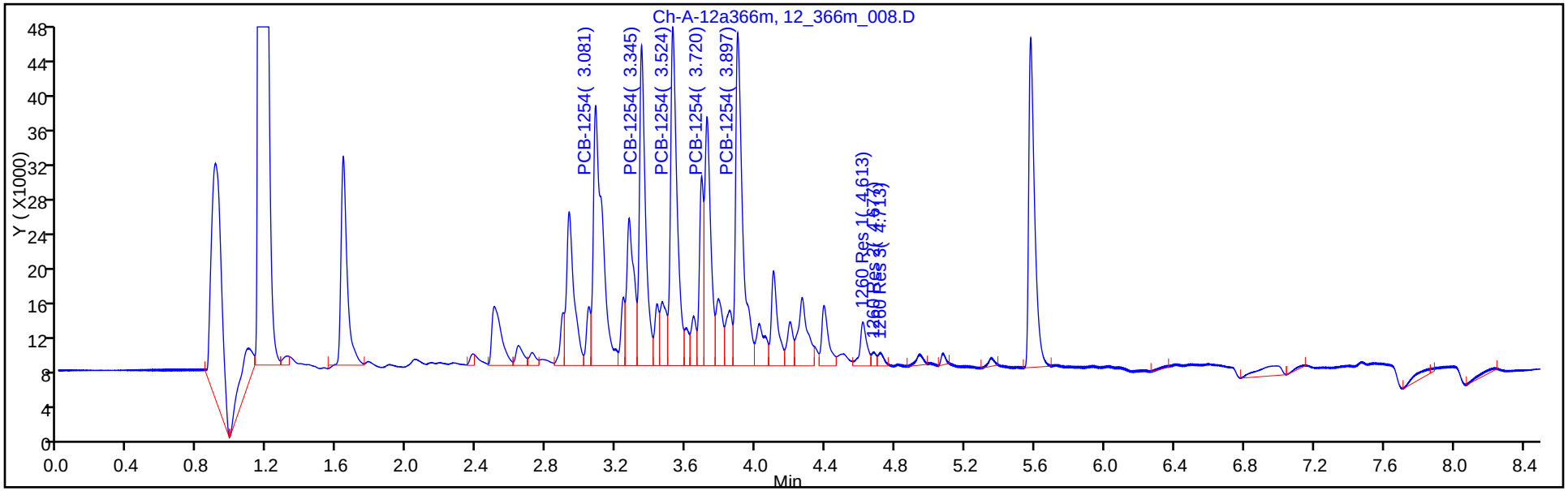
Report Date: 09-Jun-2016 10:54:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

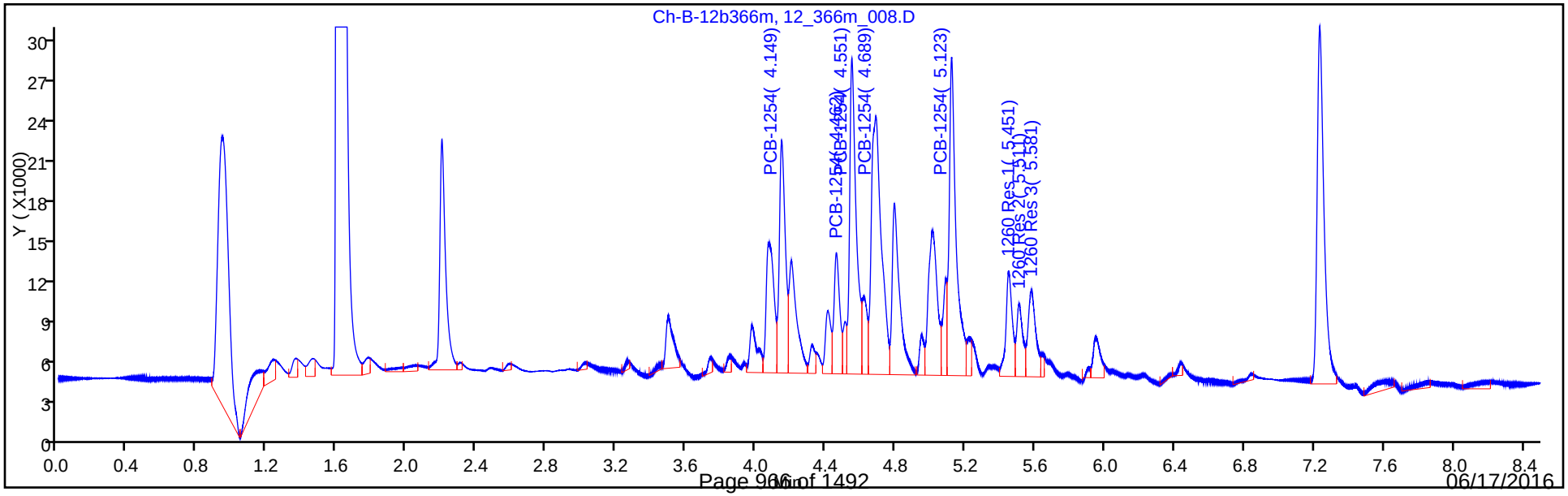
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_008.D

Injection Date:	09-Jun-2016 03:55:21	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-21-A	Lab Sample ID:	480-101258-21	Worklist Smp#:	43
Client ID:	SS7-DUP2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_008.D				
Lims ID:	480-101258-A-21-A				
Client ID:	SS7-DUP2				
Sample Type:	Client				
Inject. Date:	09-Jun-2016 03:55:21	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 10:53:59	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK022				
First Level Reviewer: owenj		Date:	09-Jun-2016 10:53:59		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0299	149.53
$ 15 DCB Decachlorobiphenyl	0.0200	0.0306	153.08

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0340	170.13
$ 15 DCB Decachlorobiphenyl	0.0200	0.0313	156.53

Report Date: 09-Jun-2016 10:54:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

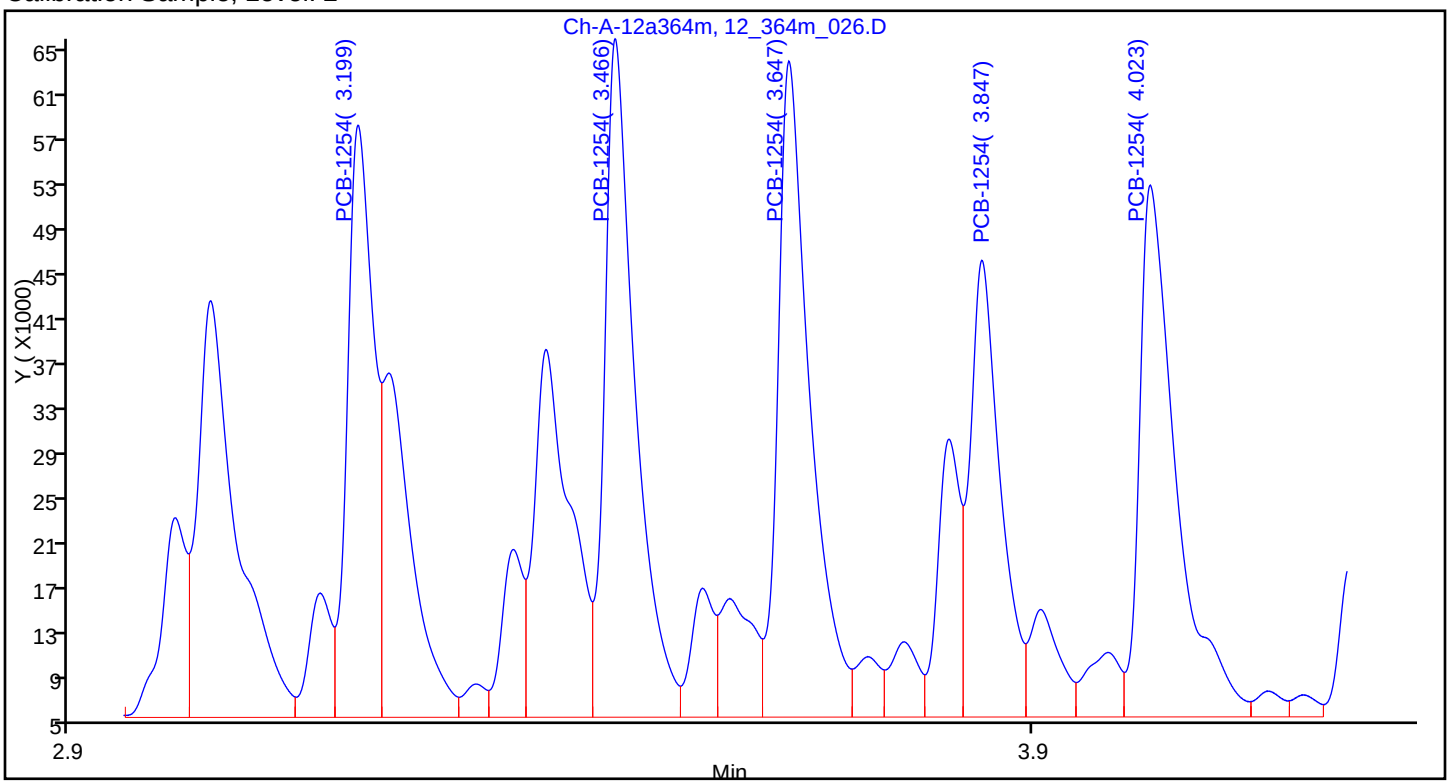
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_008.D

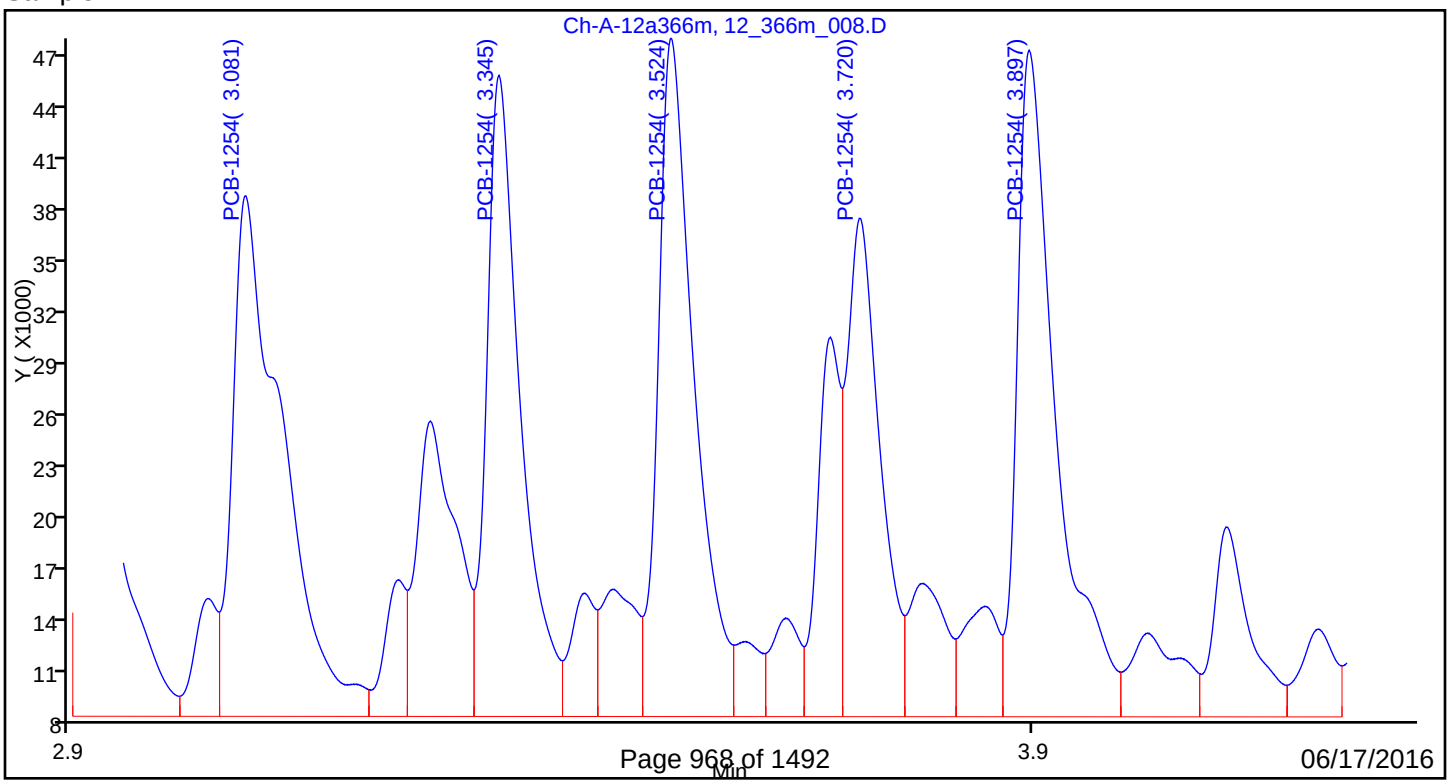
Injection Date:	09-Jun-2016 03:55:21	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-21-A	Lab Sample ID:	480-101258-21		
Client ID:	SS7-DUP2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



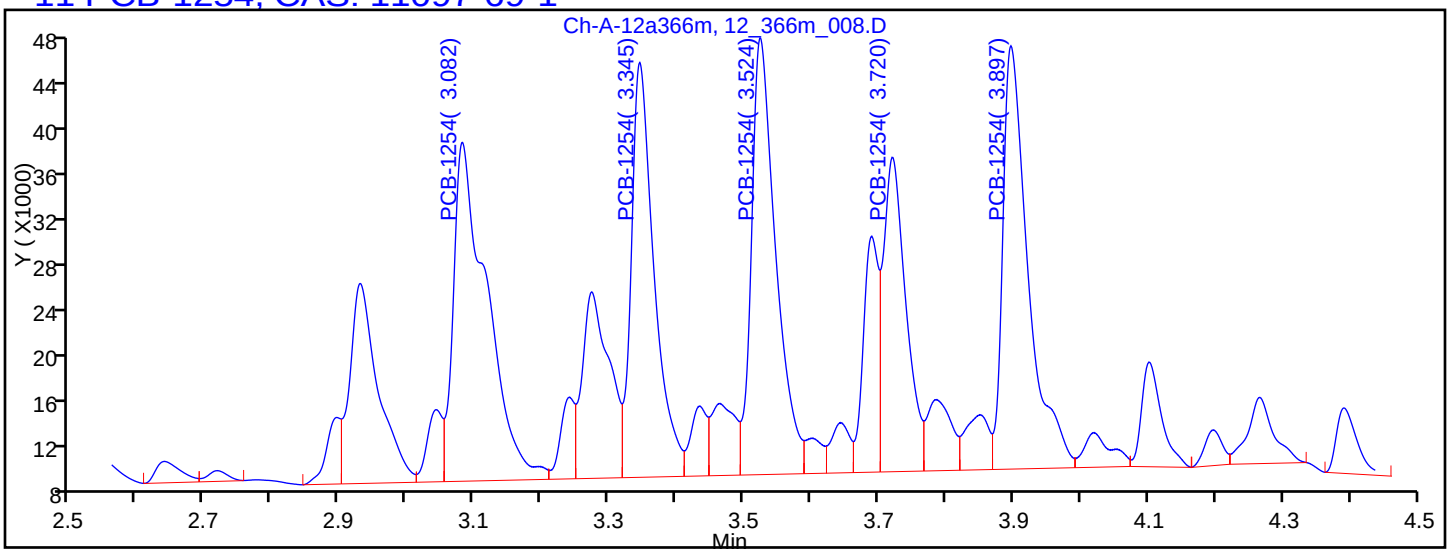
Report Date: 09-Jun-2016 10:54:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_008.D

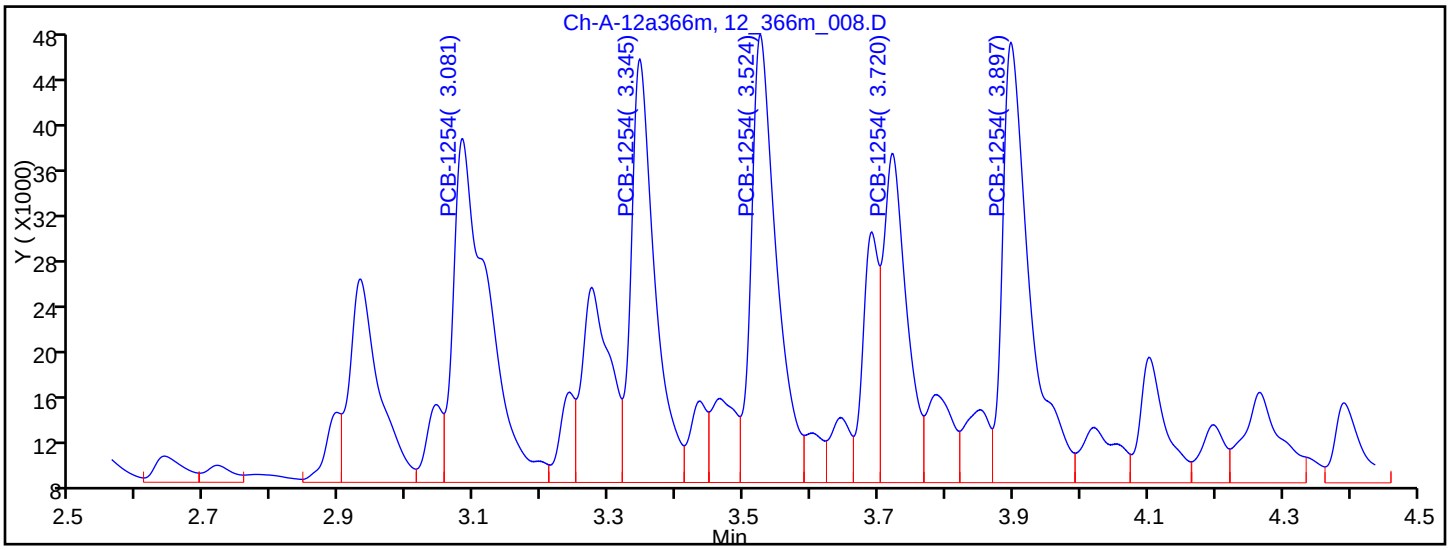
Injection Date:	09-Jun-2016 03:55:21	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-21-A	Lab Sample ID:	480-101258-21		
Client ID:	SS7-DUP2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.082	Response = 101918	M
RT = 3.345	Response = 85000	M
RT = 3.524	Response = 95216	M
RT = 3.720	Response = 62848	M
RT = 3.897	Response = 96128	M



Manual Integration Results

RT = 3.081	Response = 107836	M
RT = 3.345	Response = 90194	M
RT = 3.524	Response = 101884	M
RT = 3.720	Response = 68386	M
RT = 3.897	Response = 108526	M

Reviewer: owenj, 09-Jun-2016 10:53:59

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

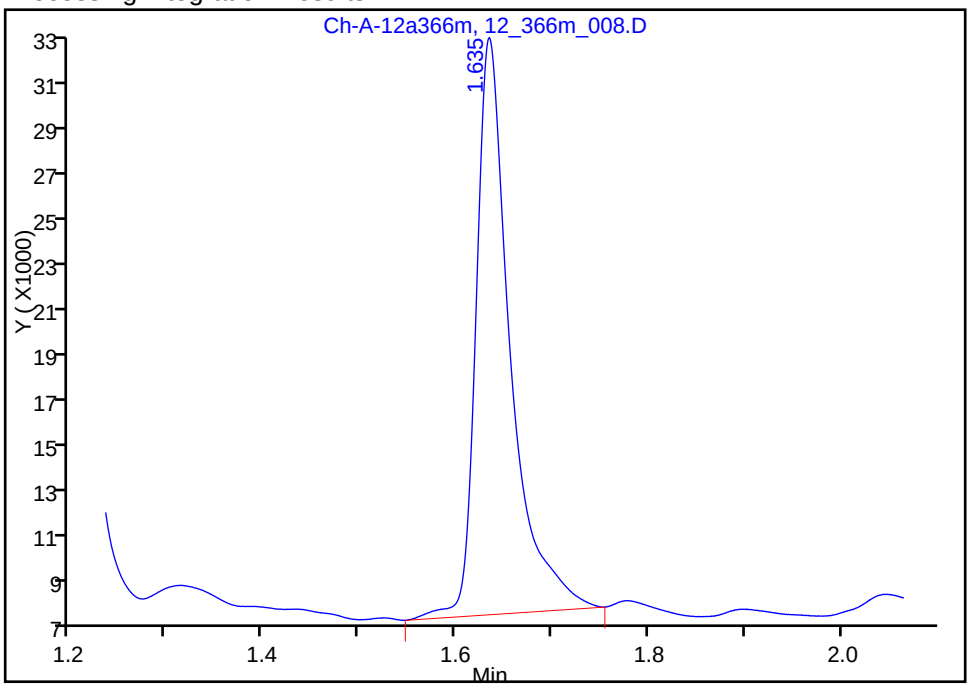
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_008.D				
Injection Date:	09-Jun-2016 03:55:21	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-21-A	Lab Sample ID:	480-101258-21		
Client ID:	SS7-DUP2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

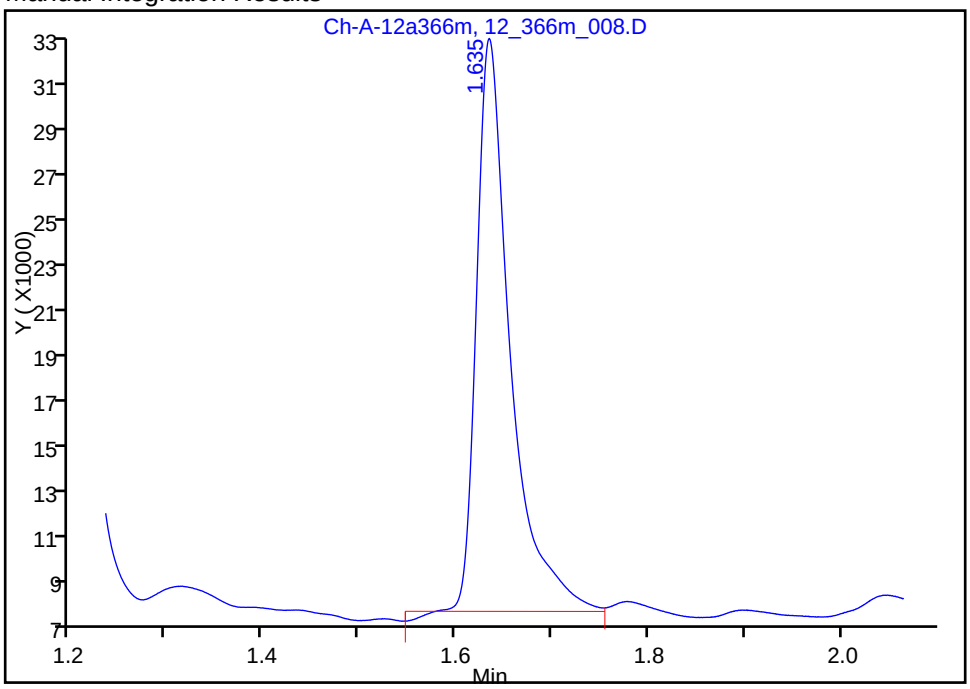
Processing Integration Results

RT: 1.63
Area: 59914
Amount: 0.030029
Amount Units: ng/uL



Manual Integration Results

RT: 1.63
Area: 58228
Amount: 0.029906
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:53:59
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

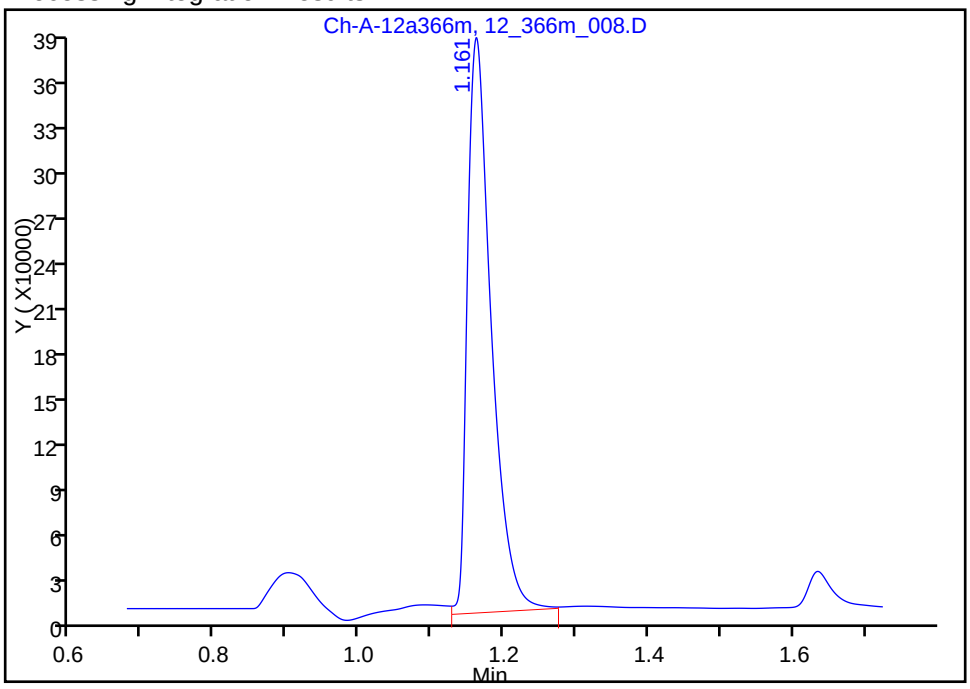
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_366m_008.D				
Injection Date:	09-Jun-2016 03:55:21	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-21-A	Lab Sample ID:	480-101258-21		
Client ID:	SS7-DUP2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

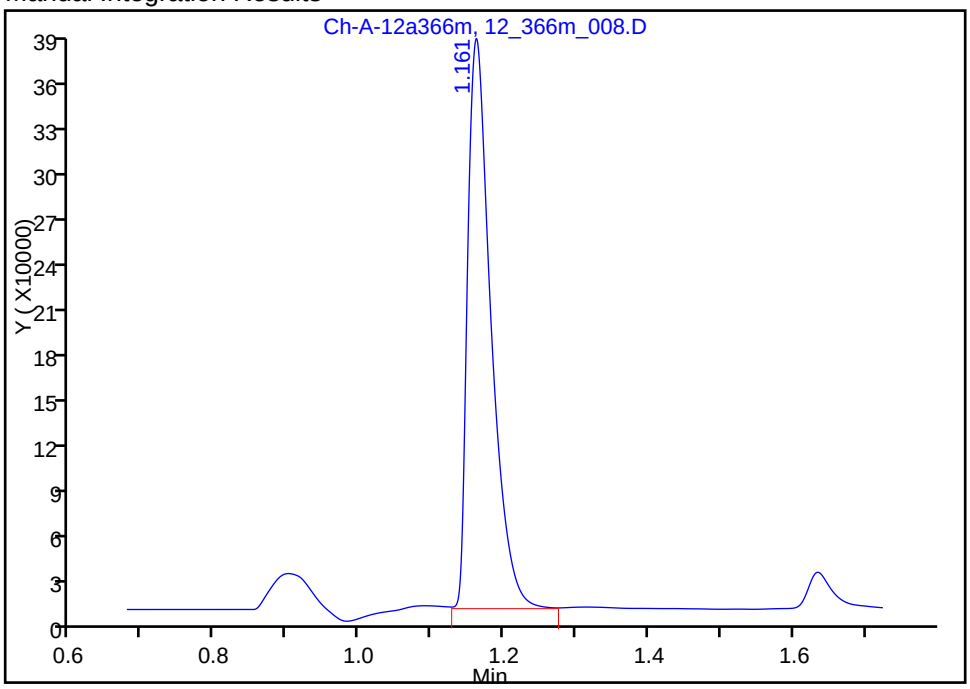
Processing Integration Results

RT: 1.16
Area: 870149
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 849147
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 09-Jun-2016 10:53:59

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS-RINSEBLANK2 | Lab Sample ID: 480-101258-22

Matrix: Water | Lab File ID: 7_06-337.D

Analysis Method: 8082A | Date Collected: 06/07/2016 09:25

Extraction Method: 3510C | Date Extracted: 06/08/2016 15:12

Sample wt/vol: 250(mL) | Date Analyzed: 06/09/2016 03:47

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		24-137
2051-24-3	DCB Decachlorobiphenyl	55		19-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-337.D
Lims ID: 480-101258-B-22-C
Client ID: SS-RINSEBLANK2
Sample Type: Client
Inject. Date: 09-Jun-2016 03:47:34 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 11:31:11 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 11:31:11

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.112	1.109	0.003	11394142	0.5000	
2	1.043	1.040	0.002	20045893	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	2.019	2.020	-0.001	593259	0.0182	
2	1.635	1.638	-0.003	780924	0.0159	
					RPD = 13.52	
2 1260 Res 1						
1	5.584	5.643	-0.058	3311	NC	
2	4.912	4.878	0.034	14773	NC	
4 1260 Res 2						
1	5.683	5.691	-0.008	4540	NC	
2	5.084	5.061	0.023	760	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.965	6.965	0.000	195863	0.0110	
2	6.340	6.339	0.001	416953	0.0115	
					RPD = 4.86	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

COPPER_00060 Amount Added: 1.00 Units: mL Run Reagent
PCB IS 1B2NB_00006 Amount Added: 20.00 Units: uL Run Reagent

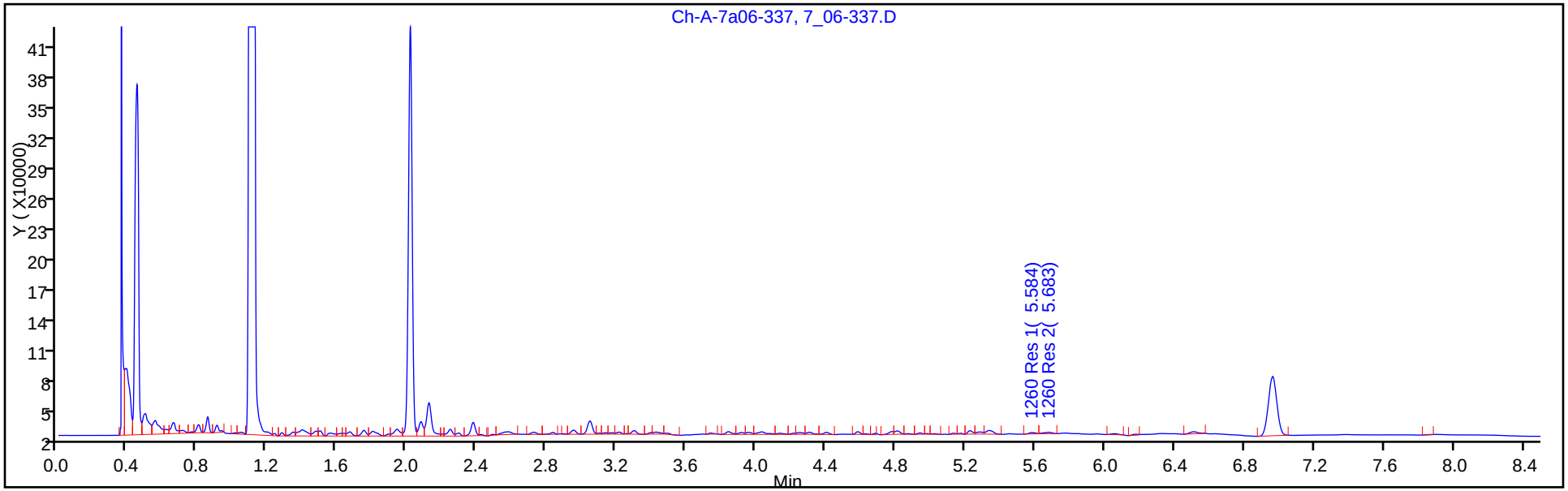
Report Date: 09-Jun-2016 11:31:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

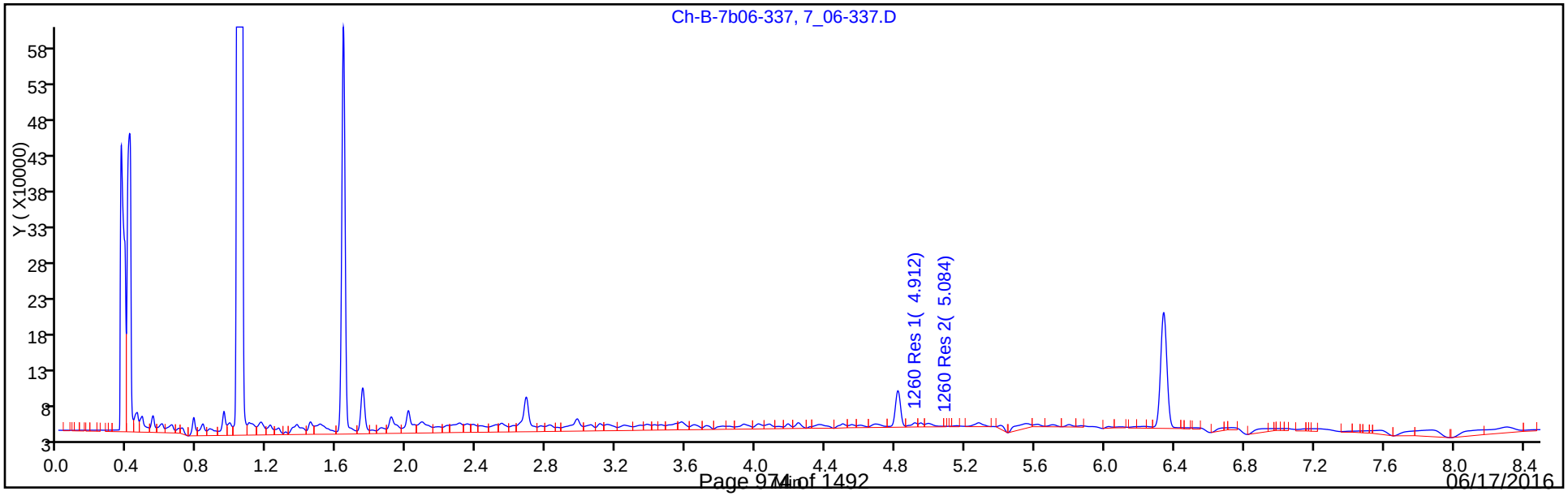
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-337.D

Injection Date:	09-Jun-2016 03:47:34	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-B-22-C	Lab Sample ID:	480-101258-22	Worklist Smp#:	40
Client ID:	SS-RINSEBLANK2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-337.D
Lims ID: 480-101258-B-22-C
Client ID: SS-RINSEBLANK2
Sample Type: Client
Inject. Date: 09-Jun-2016 03:47:34 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 11:31:11 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 11:31:11

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0182	91.02
$ 15 DCB Decachlorobiphenyl	0.0200	0.0110	54.98

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0159	79.50
$ 15 DCB Decachlorobiphenyl	0.0200	0.0115	57.72

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0366 0.0322	0.0281 0.0297	0.0299	0.0344	0.0328	Ave		0.0320				9.3		20.0			
PCB-1016 Peak 2	0.0295 0.0348	0.0324 0.0334	0.0338	0.0374	0.0359	Ave		0.0339				7.5		20.0			
PCB-1016 Peak 3	0.0907 0.1011	0.0909 0.0947	0.0923	0.0986	0.0987	Ave		0.0953				4.4		20.0			
PCB-1016 Peak 4	0.0439 0.0412	0.0391 0.0389	0.0414	0.0431	0.0409	Ave		0.0412				4.6		20.0			
PCB-1016 Peak 5	0.0222 0.0284	0.0244 0.0280	0.0301	0.0276	0.0270	Ave		0.0268				9.9		20.0			
PCB-1260 Peak 1	0.0742 0.0931	0.0881 0.0839	0.0960	0.0971	0.0950	Ave		0.0896				9.2		20.0			
PCB-1260 Peak 2	0.0524 0.0465	0.0542 0.0428	0.0565	0.0545	0.0498	Ave		0.0509				9.6		20.0			
PCB-1260 Peak 3	0.0395 0.0442	0.0462 0.0420	0.0497	0.0481	0.0463	Ave		0.0451				7.8		20.0			
PCB-1260 Peak 4	0.1440 0.1355	0.1319 0.1302	0.1421	0.1395	0.1376	Ave		0.1373				3.7		20.0			
PCB-1260 Peak 5	0.0599 0.0584	0.0584 0.0574	0.0591	0.0593	0.0586	Ave		0.0587				1.3		20.0			
Tetrachloro-m-xylene	1.3283 1.1705	1.0600 1.1919	1.1372	1.0710	1.0664	Ave		1.1465				8.4		20.0			
DCB Decachlorobiphenyl	1.8584 1.7018	1.6543 1.5651	1.7357	1.7492	1.7141	Ave		1.7112				5.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	2089 91005	4054 169825	8391	19723	46075	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	1688 98316	4683 191217	9502	21416	50421	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	5179 285278	13135 541753	25919	56465	138815	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	2510 116405	5641 222347	11615	24661	57534	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	1267 80200	3531 160011	8458	15792	37977	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	4236 262792	12728 480226	26961	55584	133488	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	2994 131297	7824 244941	15860	31174	69979	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	2255 124850	6669 240358	13951	27543	65143	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	8227 382471	19046 745098	39901	79841	193420	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	3419 164890	8438 328390	16582	33928	82375	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	1897 82592	3828 170472	7983	15329	37477	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	2654 120081	5974 223860	12184	25037	60241	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-May-2016 17:08:32 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:02 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:30:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.238	1.237	0.001	1430299	0.5000	0.5000	
2	1.695	1.694	0.001	1127308	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.723	0.002	170472	0.0500	0.0520	a
2	2.294	2.296	-0.002	111019	0.0500	0.0579	M
						RPD = 10.71	
9 PCB-1016							M
1	1.899	1.898	0.001	169825	2.00	1.86	a
1	2.237	2.237	0.000	191217	2.00	1.97	a
1	2.389	2.390	-0.001	541753	2.00	1.99	a
1	2.457	2.460	-0.003	222347	2.00	1.89	a
1	2.504	2.500	0.004	160011	2.00	2.09	a
		Average of Peak Amounts =				1.96	
2	2.709	2.709	0.000	105556	2.00	1.75	M
2	3.033	3.039	-0.006	204615	2.00	1.72	M
2	3.249	3.248	0.001	126930	2.00	1.87	M
2	3.345	3.348	-0.003	390116	2.00	1.95	M
2	3.467	3.470	-0.003	161066	2.00	1.93	M
		Average of Peak Amounts =				1.84	
						RPD = 6.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	480226	2.00	1.87	a
1	4.149	4.148	0.001	244941	2.00	1.68	a
1	4.327	4.328	-0.001	240358	2.00	1.86	a
1	4.521	4.520	0.001	745098	2.00	1.90	a
1	4.748	4.747	0.001	328390	2.00	1.96	a
		Average of Peak Amounts =				1.85	
2	5.237	5.237	0.000	258645	2.00	1.86	a
2	5.560	5.563	-0.003	213607	2.00	1.96	a
2	5.627	5.629	-0.002	170965	2.00	1.85	a
2	5.693	5.695	-0.002	606591	2.00	1.95	a
2	6.086	6.086	0.000	406580	2.00	1.97	a
		Average of Peak Amounts =				1.92	
						RPD = 3.51	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.721	0.004	223860	0.0500	0.0457	a
2	7.442	7.439	0.003	181020	0.0500	0.0480	a
						RPD = 4.90	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00003 Amount Added: 0.25 Units: mL

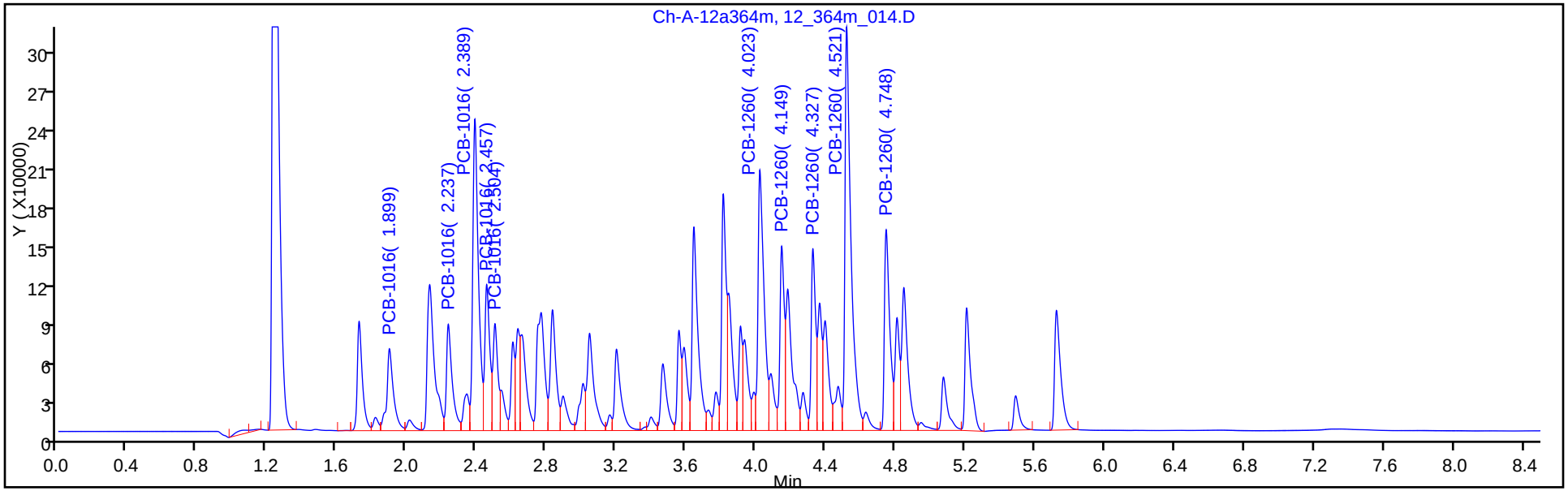
Report Date: 05-May-2016 16:32:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

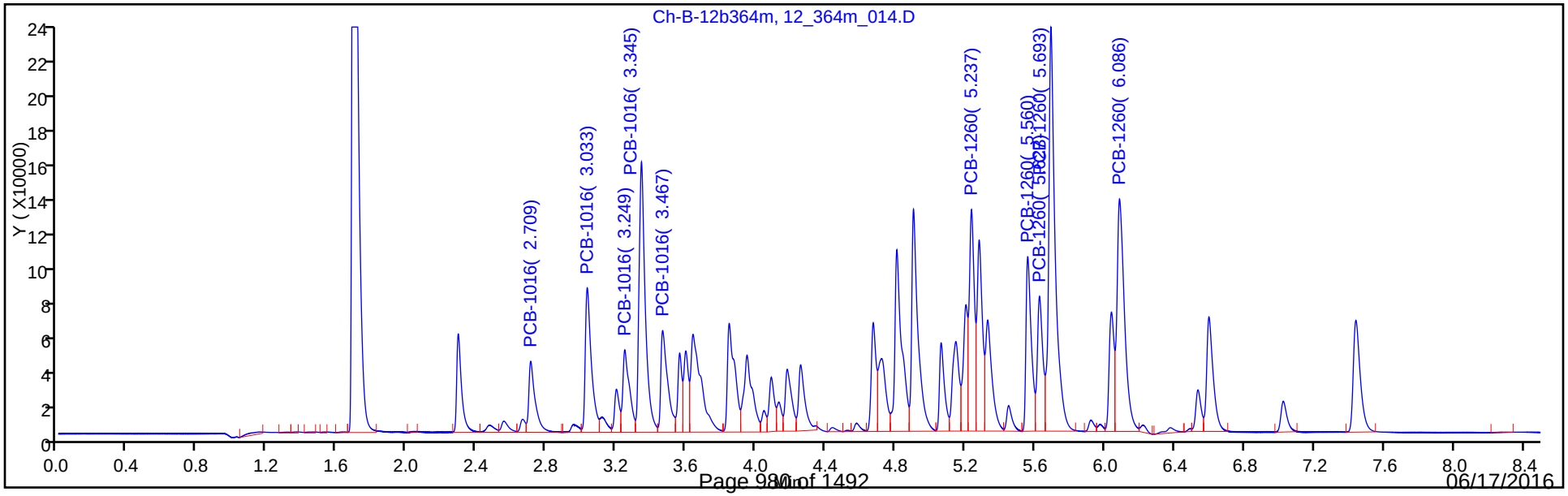
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D

Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

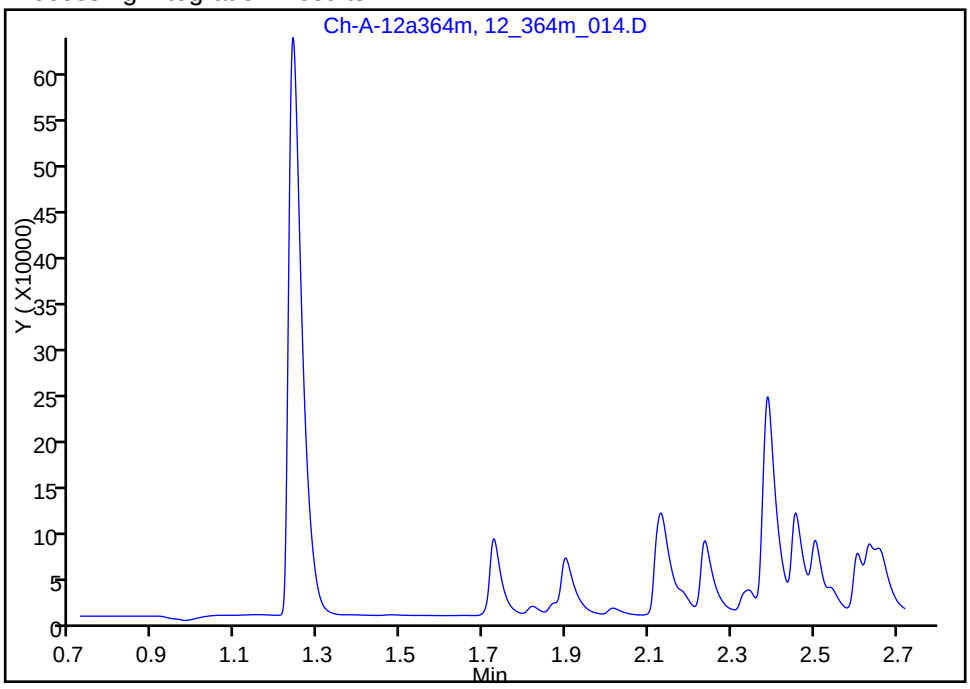
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Injection Date: 04-May-2016 17:08:32 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

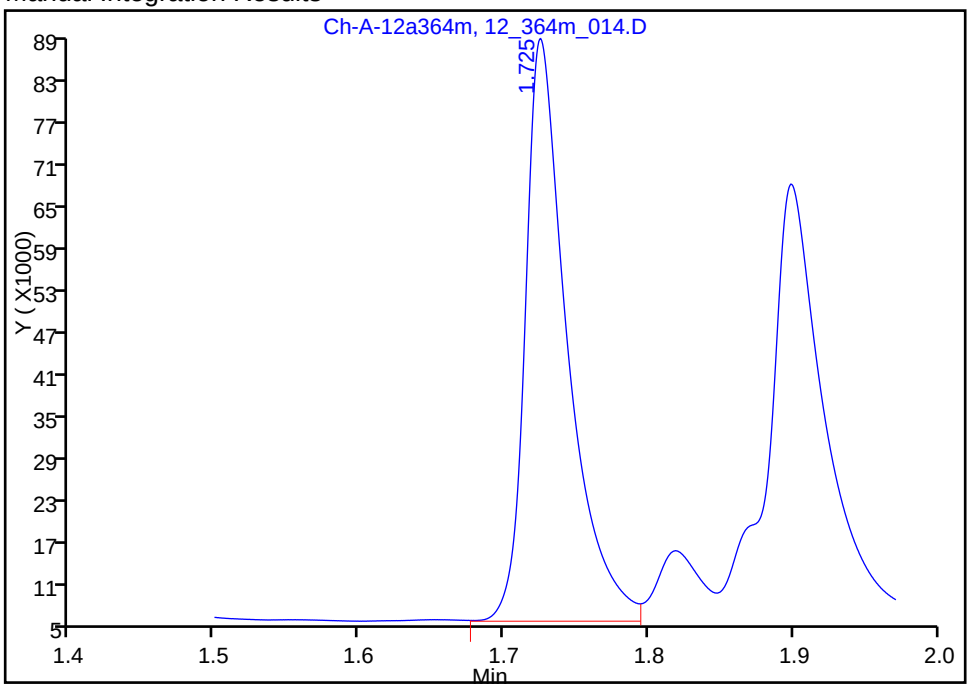
Not Detected
Expected RT: 1.72

Processing Integration Results



Manual Integration Results

RT: 1.73
Area: 170472
Amount: 0.051980
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 17:30:32
Audit Action: Assigned Compound ID Audit Reason:

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-May-2016 17:23:52 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:08 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:57:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1411258	0.5000	0.5000	
2	1.695	1.694	0.001	1117617	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.725	1.723	0.002	82592	0.0250	0.0255	
2	2.295	2.296	-0.001	49939	0.0250	0.0263	
						RPD = 2.82	
9 PCB-1016							M
1	1.899	1.898	0.001	91005	1.00	1.01	
1	2.237	2.237	0.000	98316	1.00	1.03	M
1	2.389	2.390	-0.001	285278	1.00	1.06	M
1	2.457	2.460	-0.003	116405	1.00	1.00	M
1	2.504	2.500	0.004	80200	1.00	1.06	M
		Average of Peak Amounts =				1.03	
2	2.711	2.709	0.002	58754	1.00	0.9835	M
2	3.035	3.039	-0.004	110607	1.00	0.9366	M
2	3.250	3.248	0.002	66325	1.00	0.9852	M
2	3.345	3.348	-0.003	204294	1.00	1.03	M
2	3.468	3.470	-0.002	84305	1.00	1.02	M
		Average of Peak Amounts =				0.9900	
						RPD = 4.11	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	262792	1.00	1.04	
1	4.149	4.148	0.001	131297	1.00	0.9131	
1	4.327	4.328	-0.001	124850	1.00	0.9798	
1	4.521	4.520	0.001	382471	1.00	0.9873	
1	4.747	4.747	0.000	164890	1.00	0.99	
		Average of Peak Amounts =				0.9828	
2	5.237	5.237	0.000	133694	1.00	0.9681	
2	5.561	5.563	-0.002	110021	1.00	1.02	
2	5.627	5.629	-0.002	88091	1.00	0.9638	
2	5.693	5.695	-0.002	311959	1.00	1.01	
2	6.086	6.086	0.000	205276	1.00	1.00	
		Average of Peak Amounts =				0.99	
						RPD = 1.11	
$ 15 DCB Decachlorobiphenyl							
1	5.723	5.721	0.002	120081	0.0250	0.0249	
2	7.441	7.439	0.002	93150	0.0250	0.0249	
						RPD = 0.27	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00004 Amount Added: 0.25 Units: mL

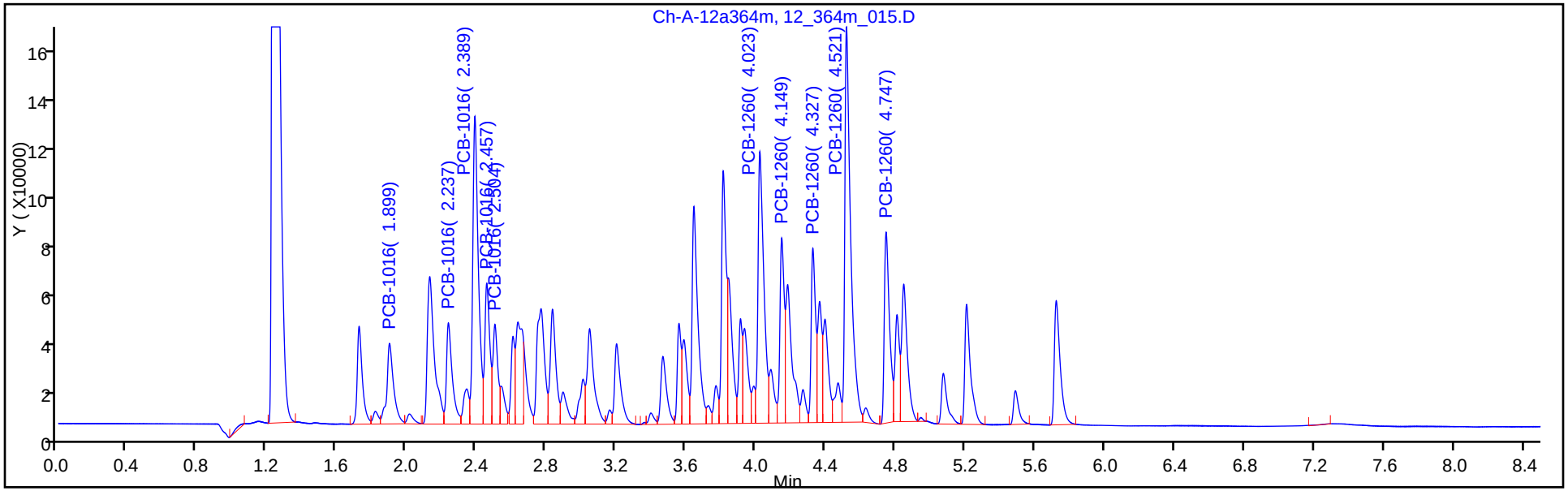
Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

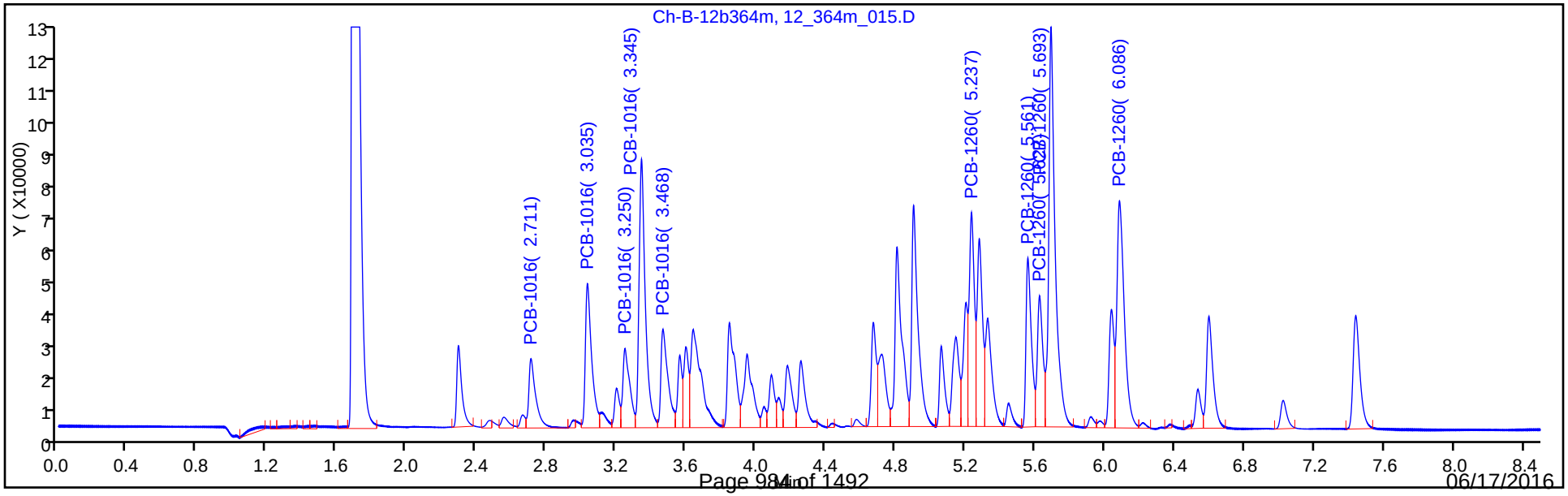
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

Injection Date:	04-May-2016 17:23:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

Injection Date: 04-May-2016 17:23:52 Instrument ID: HP5890-12

Lims ID: IC 6

Client ID:

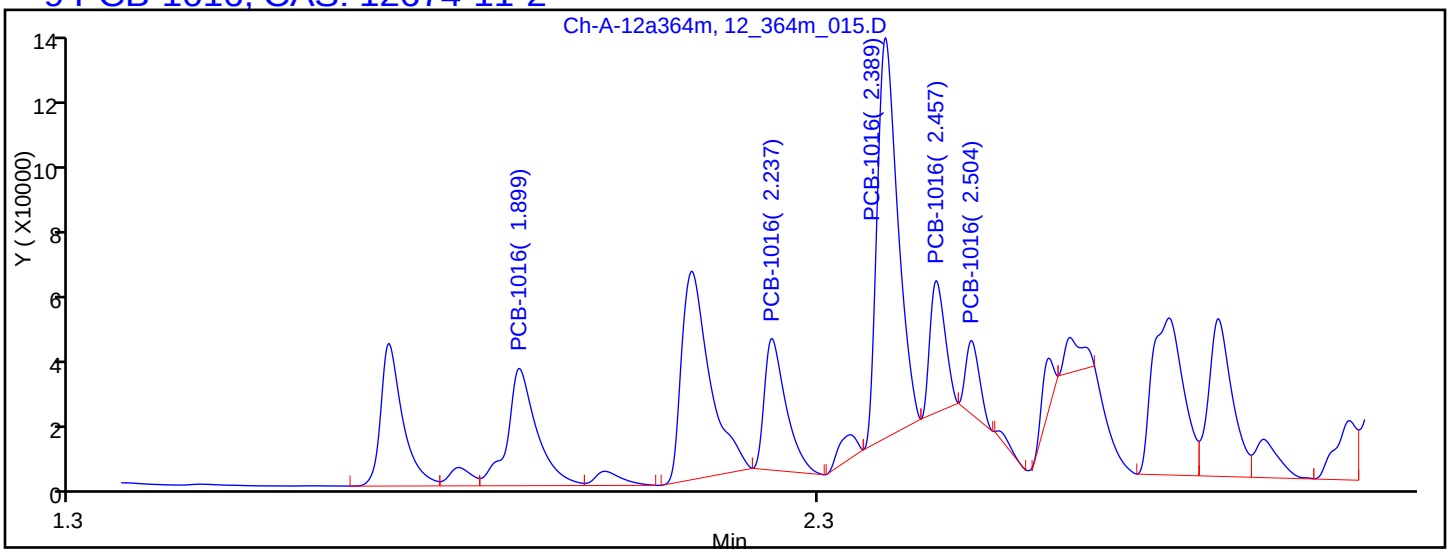
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

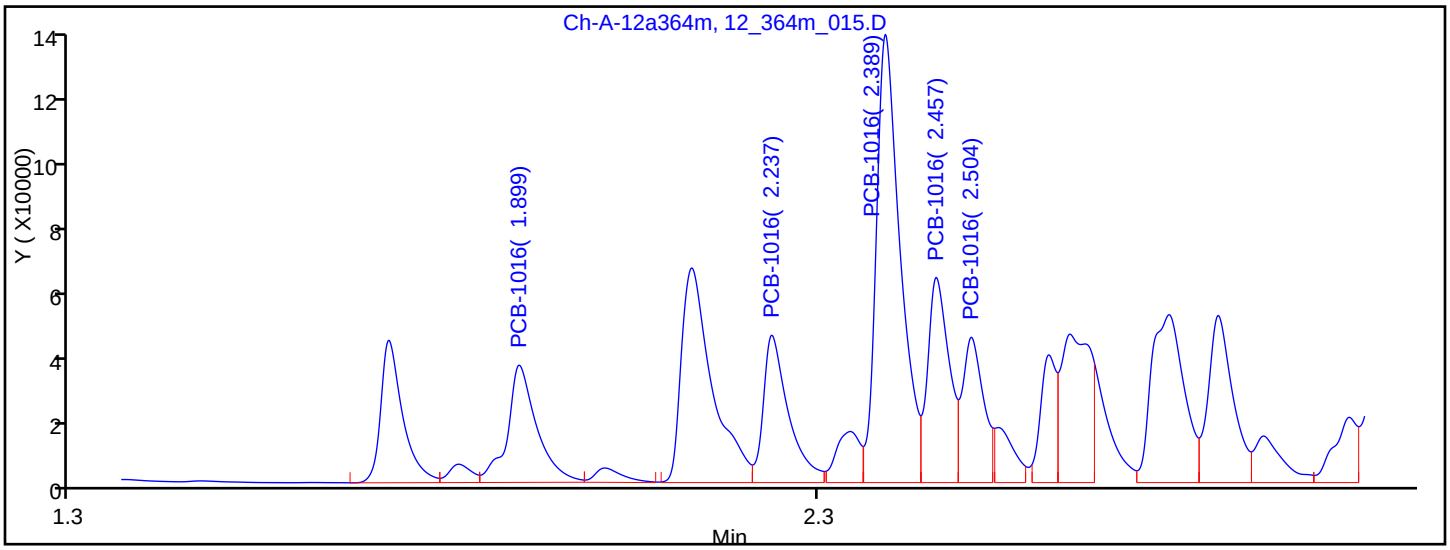
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.899	Response = 91005	
RT = 2.237	Response = 74919	M
RT = 2.389	Response = 218189	M
RT = 2.457	Response = 52841	M
RT = 2.504	Response = 26607	M



Manual Integration Results

RT = 1.899	Response = 91005	
RT = 2.237	Response = 98316	M
RT = 2.389	Response = 285278	M
RT = 2.457	Response = 116405	M
RT = 2.504	Response = 80200	M

Reviewer: sobolk, 04-May-2016 17:57:58

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 04-May-2016 17:39:14 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:58:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1405777	0.5000	0.5000	
2	1.695	1.695	0.000	1112534	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	37477	0.0125	0.0116	
2	2.296	2.296	0.000	23268	0.0125	0.0123	M
						RPD = 5.53	
9 PCB-1016							M
1	1.901	1.901	0.000	46075	0.5000	0.5129	M
1	2.239	2.239	0.000	50421	0.5000	0.5289	M
1	2.390	2.390	0.000	138815	0.5000	0.5181	M
1	2.458	2.458	0.000	57534	0.5000	0.4966	M
1	2.505	2.505	0.000	37977	0.5000	0.5037	M
		Average of Peak Amounts =				0.5120	
2	2.713	2.713	0.000	29526	0.5000	0.4965	M
2	3.037	3.037	0.000	58190	0.5000	0.4950	M
2	3.251	3.251	0.000	33081	0.5000	0.4936	M
2	3.346	3.346	0.000	99224	0.5000	0.5015	M
2	3.470	3.470	0.000	42168	0.5000	0.5109	M
		Average of Peak Amounts =				0.4995	
						RPD = 2.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	133488	0.5000	0.5297	
1	4.150	4.150	0.000	69979	0.5000	0.4886	
1	4.329	4.329	0.000	65143	0.5000	0.5132	
1	4.522	4.522	0.000	193420	0.5000	0.5012	
1	4.749	4.749	0.000	82375	0.5000	0.4990	
		Average of Peak Amounts =				0.5064	
2	5.239	5.239	0.000	68244	0.5000	0.4964	M
2	5.563	5.563	0.000	56030	0.5000	0.5220	
2	5.631	5.631	0.000	44769	0.5000	0.4921	M
2	5.695	5.695	0.000	157424	0.5000	0.5135	M
2	6.089	6.089	0.000	102229	0.5000	0.5023	M
		Average of Peak Amounts =				0.5052	
						RPD = 0.22	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	60241	0.0125	0.0125	
2	7.444	7.444	0.000	47392	0.0125	0.0127	
						RPD = 1.74	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00003 Amount Added: 0.25 Units: mL

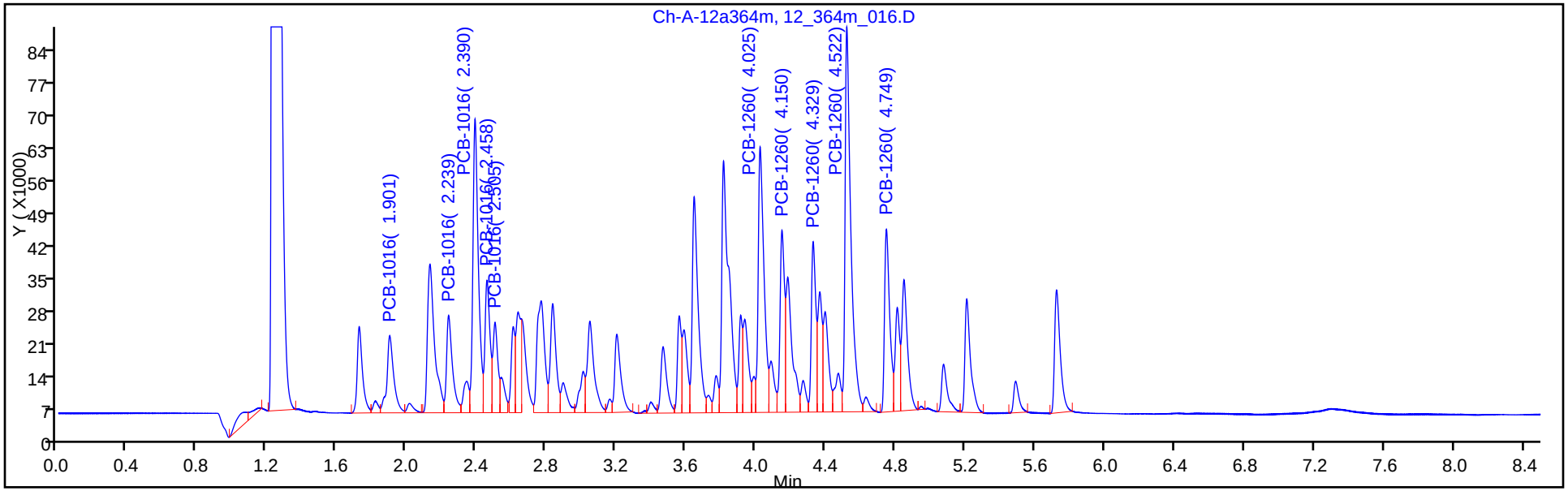
Report Date: 05-May-2016 16:32:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

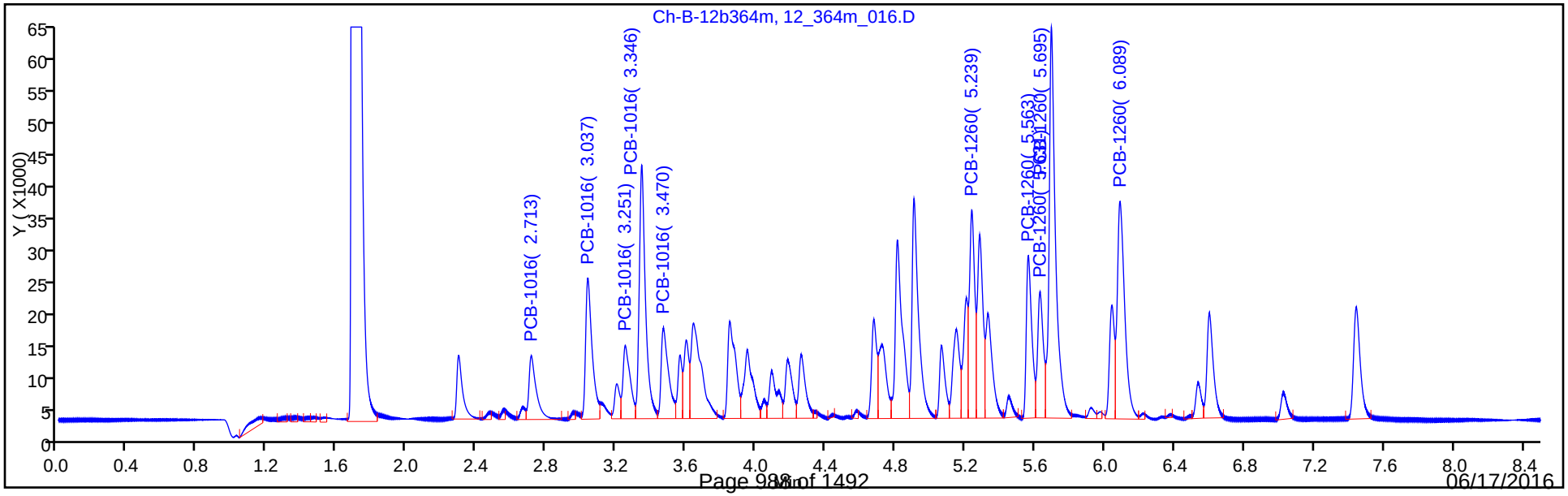
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

Injection Date: 04-May-2016 17:39:14 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

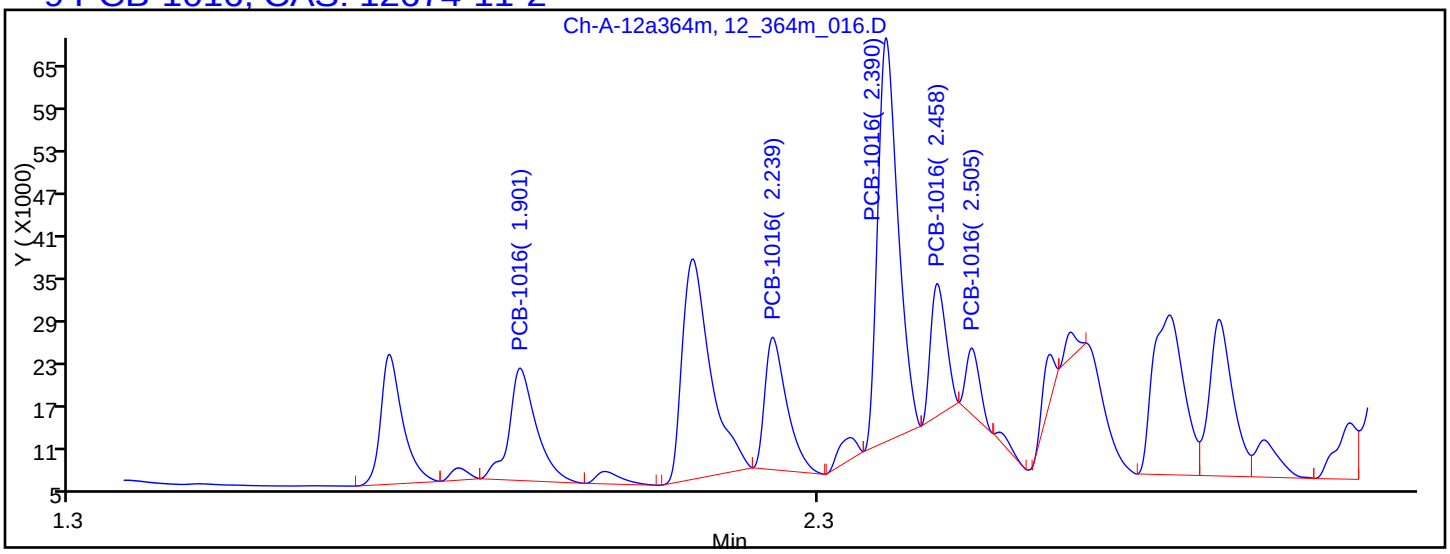
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

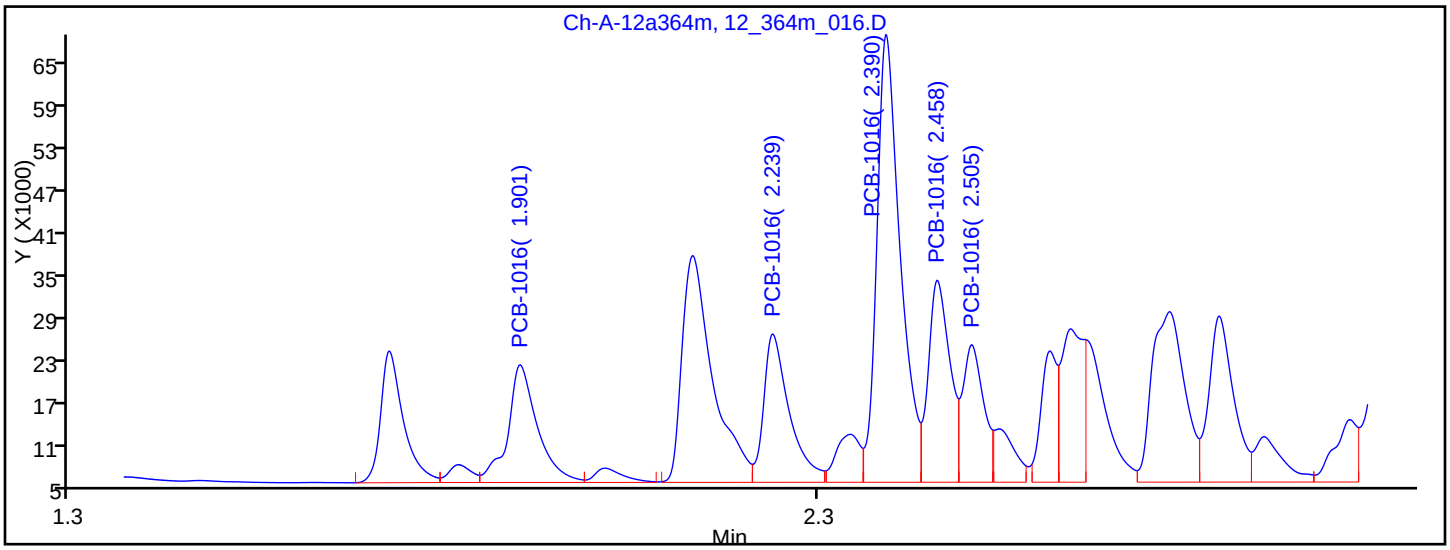
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.901	Response = 40426	M
RT = 2.239	Response = 38444	M
RT = 2.390	Response = 108308	M
RT = 2.458	Response = 27141	M
RT = 2.505	Response = 11911	M



Manual Integration Results

RT = 1.901	Response = 46075	M
RT = 2.239	Response = 50421	M
RT = 2.390	Response = 138815	M
RT = 2.458	Response = 57534	M
RT = 2.505	Response = 37977	M

Reviewer: sobolk, 04-May-2016 17:58:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-May-2016 17:54:36 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:22 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:25:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1431303	0.5000	0.5000	
2	1.695	1.695	0.000	1139818	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	15329	0.005000	0.004671	
2	2.295	2.296	-0.001	9178	0.005000	0.004731	M
						RPD = 1.28	
9 PCB-1016							M
1	1.901	1.901	0.000	19723	0.2000	0.2156	M
1	2.239	2.239	0.000	21416	0.2000	0.2207	M
1	2.390	2.390	0.000	56465	0.2000	0.2070	M
1	2.459	2.458	0.001	24661	0.2000	0.2091	M
1	2.503	2.505	-0.002	15792	0.2000	0.2057	M
		Average of Peak Amounts =				0.2116	
2	2.713	2.713	0.000	12182	0.2000	0.2000	M
2	3.037	3.037	0.000	25425	0.2000	0.2111	M
2	3.251	3.251	0.000	13771	0.2000	0.2006	M
2	3.347	3.346	0.001	40779	0.2000	0.2012	M
2	3.471	3.470	0.001	17720	0.2000	0.2095	M
		Average of Peak Amounts =				0.2045	
						RPD = 3.43	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	55584	0.2000	0.2167	
1	4.150	4.150	0.000	31174	0.2000	0.2138	
1	4.329	4.329	0.000	27543	0.2000	0.2131	
1	4.521	4.522	-0.001	79841	0.2000	0.2032	
1	4.749	4.749	0.000	33928	0.2000	0.2019	
		Average of Peak Amounts =				0.2097	
2	5.237	5.239	-0.002	28184	0.2000	0.2001	M
2	5.562	5.563	-0.001	22711	0.2000	0.2065	
2	5.629	5.631	-0.002	17927	0.2000	0.1923	
2	5.695	5.695	0.000	62325	0.2000	0.1984	
2	6.087	6.089	-0.002	39058	0.2000	0.1873	
		Average of Peak Amounts =				0.1969	
						RPD = 6.29	
$ 15 DCB Decachlorobiphenyl							
1	5.724	5.725	-0.001	25037	0.005000	0.005111	
2	7.442	7.444	-0.002	18033	0.005000	0.004732	
						RPD = 7.71	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00003 Amount Added: 0.25 Units: mL

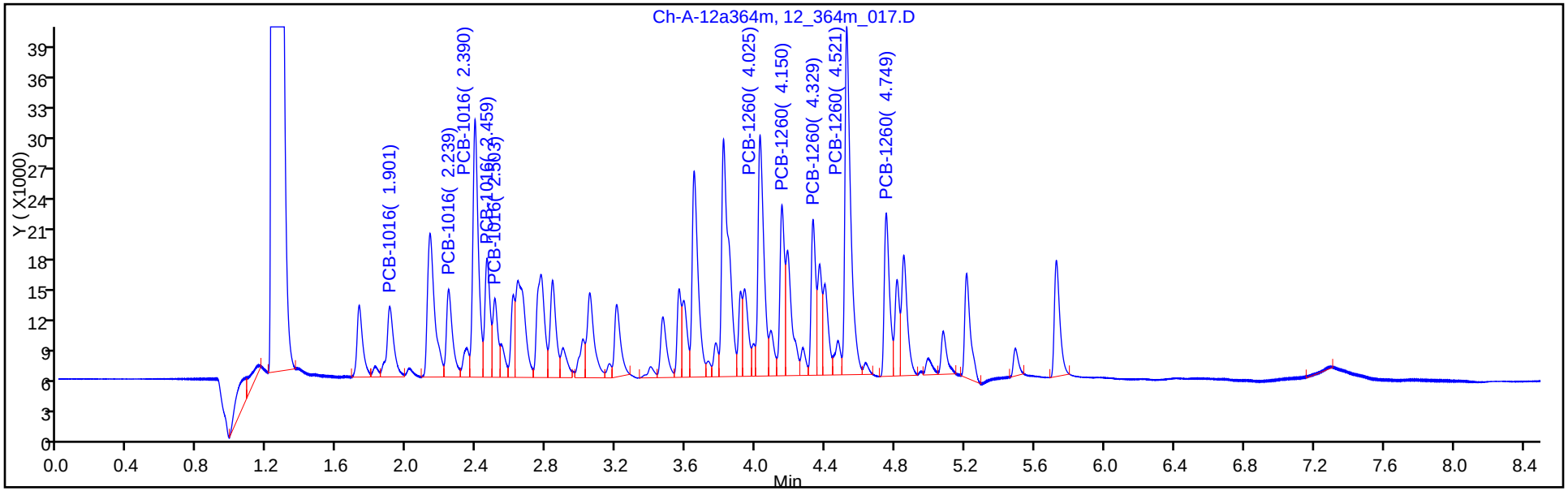
Report Date: 05-May-2016 16:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

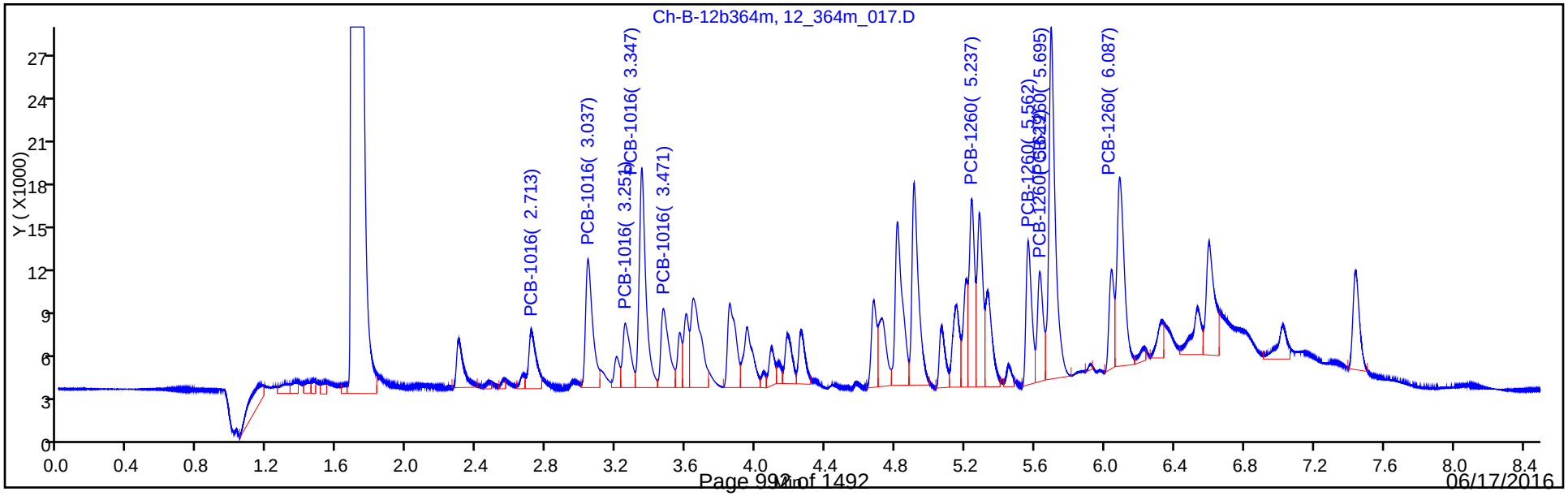
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

Injection Date: 04-May-2016 17:54:36 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

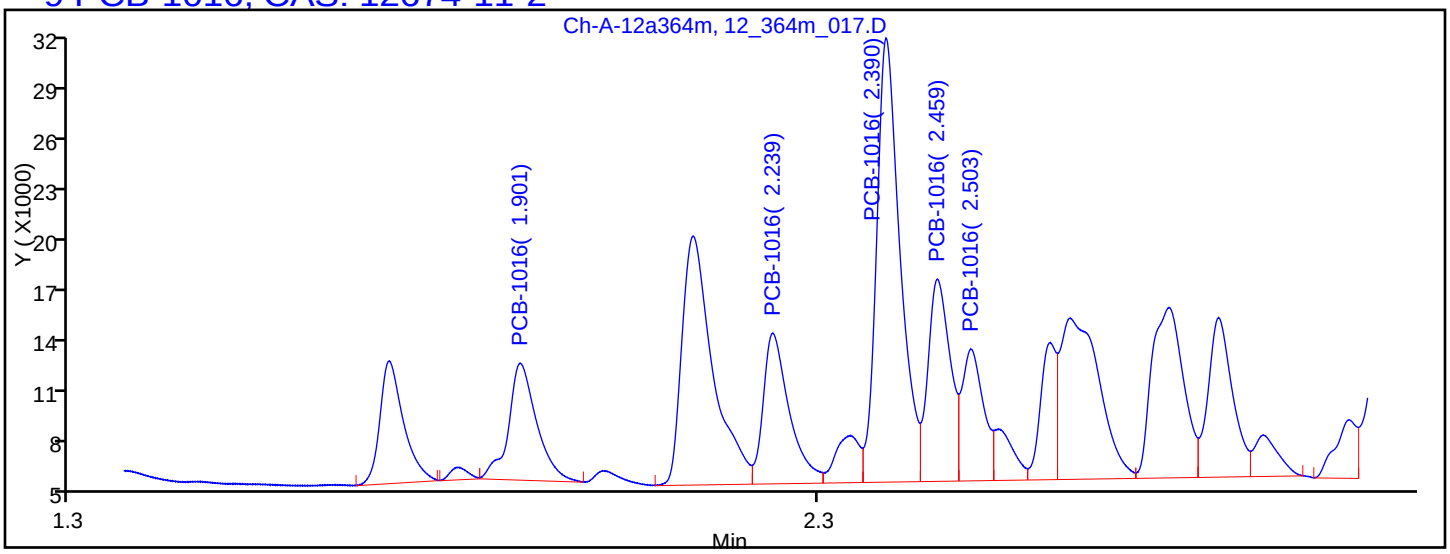
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

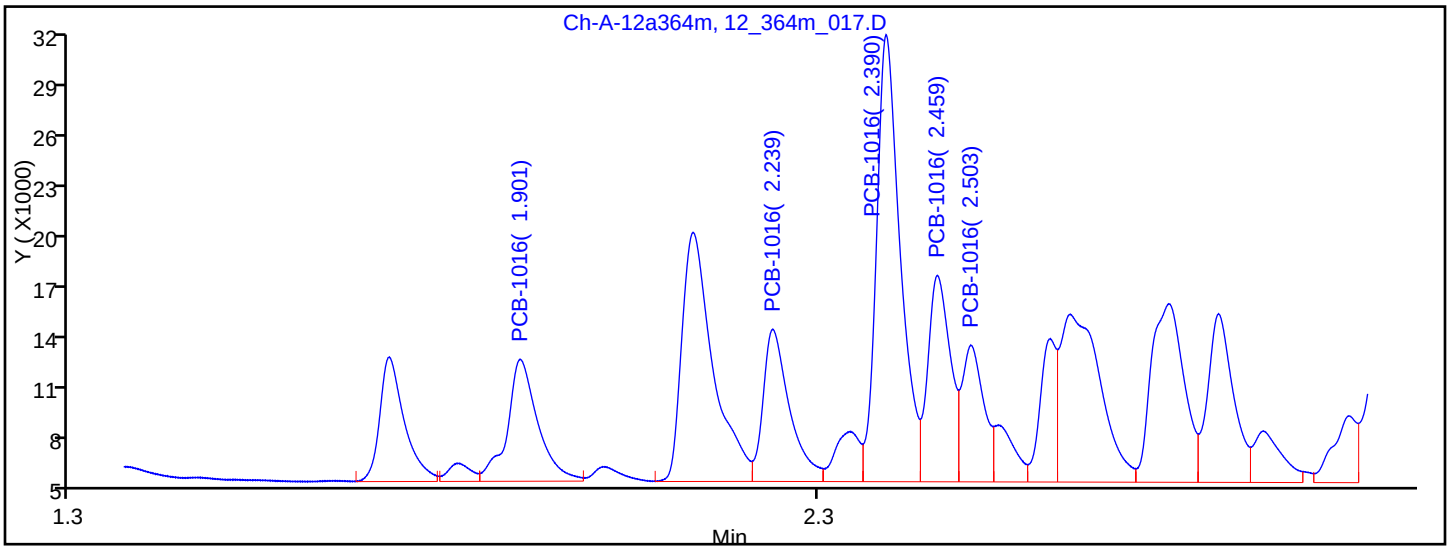
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.901	Response = 17452	M
RT = 2.239	Response = 20792	M
RT = 2.390	Response = 55490	M
RT = 2.459	Response = 23865	M
RT = 2.503	Response = 14967	M



Manual Integration Results

RT = 1.901	Response = 19723	M
RT = 2.239	Response = 21416	M
RT = 2.390	Response = 56465	M
RT = 2.459	Response = 24661	M
RT = 2.503	Response = 15792	M

Reviewer: sobolk, 04-May-2016 18:25:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-May-2016 18:10:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:30 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:26:53

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1403968	0.5000	0.5000	
2	1.695	1.695	0.000	1114603	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	7983	0.002500	0.002480	
2	2.298	2.296	0.002	4699	0.002500	0.002477	M
						RPD = 0.11	
9 PCB-1016							M
1	1.902	1.901	0.001	8391	0.1000	0.0935	
1	2.239	2.239	0.000	9502	0.1000	0.0998	M
1	2.392	2.390	0.002	25919	0.1000	0.0969	M
1	2.459	2.458	0.001	11615	0.1000	0.1004	M
1	2.504	2.505	-0.001	8458	0.1000	0.1123	M
		Average of Peak Amounts =				0.1006	
2	2.712	2.713	-0.001	5974	0.1000	0.1003	M
2	3.039	3.037	0.002	12633	0.1000	0.1073	M
2	3.251	3.251	0.000	6961	0.1000	0.1037	M
2	3.348	3.346	0.002	20211	0.1000	0.1020	M
2	3.469	3.470	-0.001	8299	0.1000	0.1004	M
		Average of Peak Amounts =				0.1027	
						RPD = 2.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.026	4.025	0.001	26961	0.1000	0.1071	M
1	4.151	4.150	0.001	15860	0.1000	0.1109	M
1	4.329	4.329	0.000	13951	0.1000	0.1101	M
1	4.523	4.522	0.001	39901	0.1000	0.1035	M
1	4.750	4.749	0.001	16582	0.1000	0.1006	
		Average of Peak Amounts =				0.1064	
2	5.239	5.239	0.000	14033	0.1000	0.1019	M
2	5.563	5.563	0.000	11641	0.1000	0.1082	M
2	5.630	5.631	-0.001	9306	0.1000	0.1021	M
2	5.695	5.695	0.000	31672	0.1000	0.1031	M
2	6.089	6.089	0.000	19081	0.1000	0.0936	
		Average of Peak Amounts =				0.1018	
						RPD = 4.47	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	12184	0.002500	0.002536	
2	7.442	7.444	-0.002	9108	0.002500	0.002444	
						RPD = 3.68	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00004 Amount Added: 0.25 Units: mL

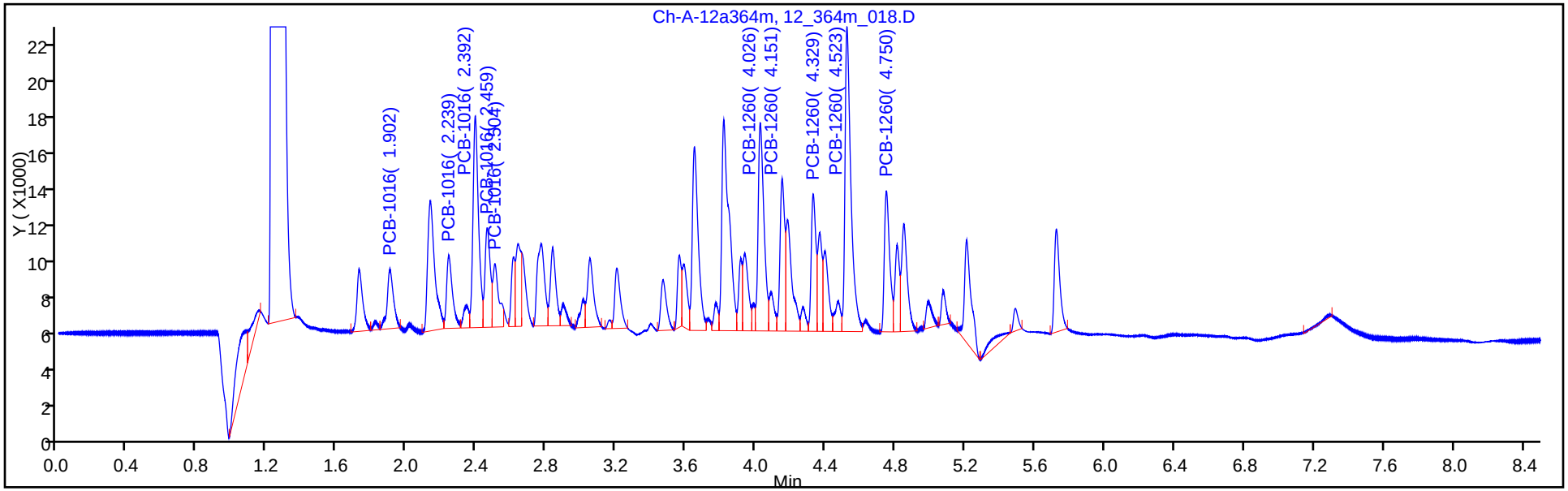
Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

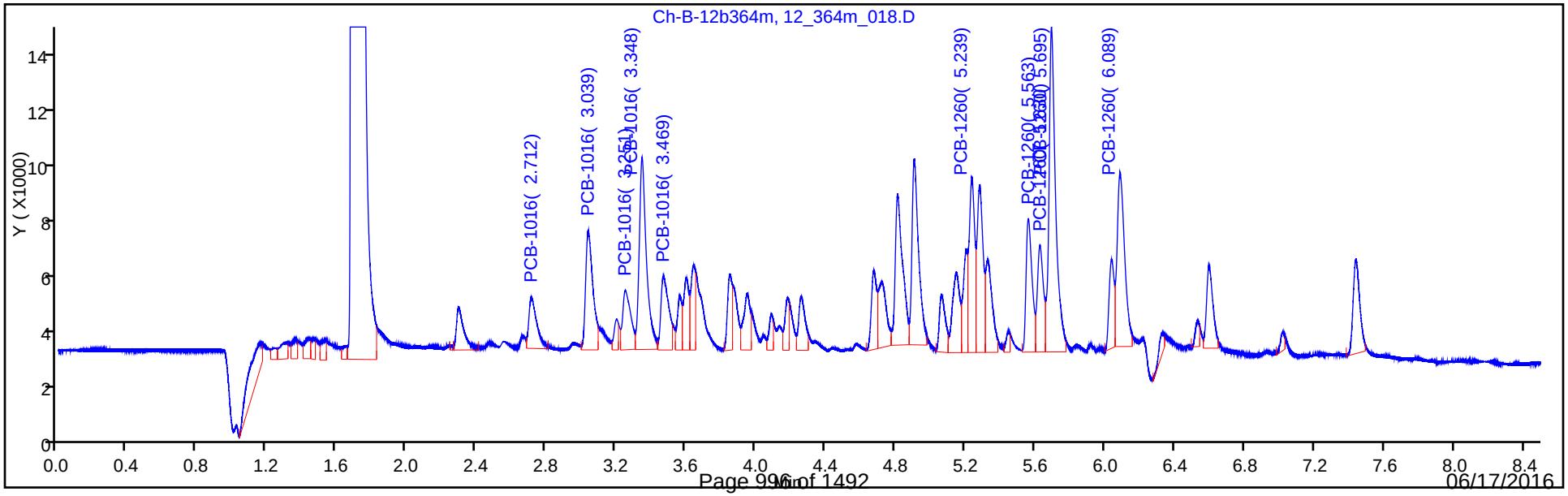
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



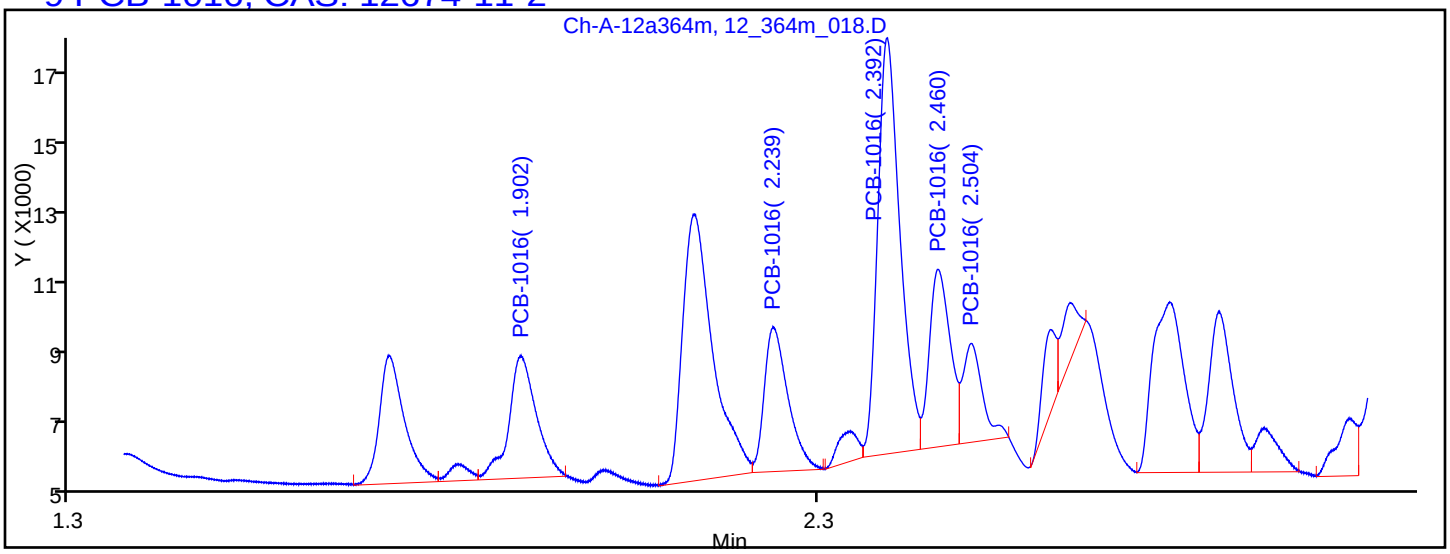
Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

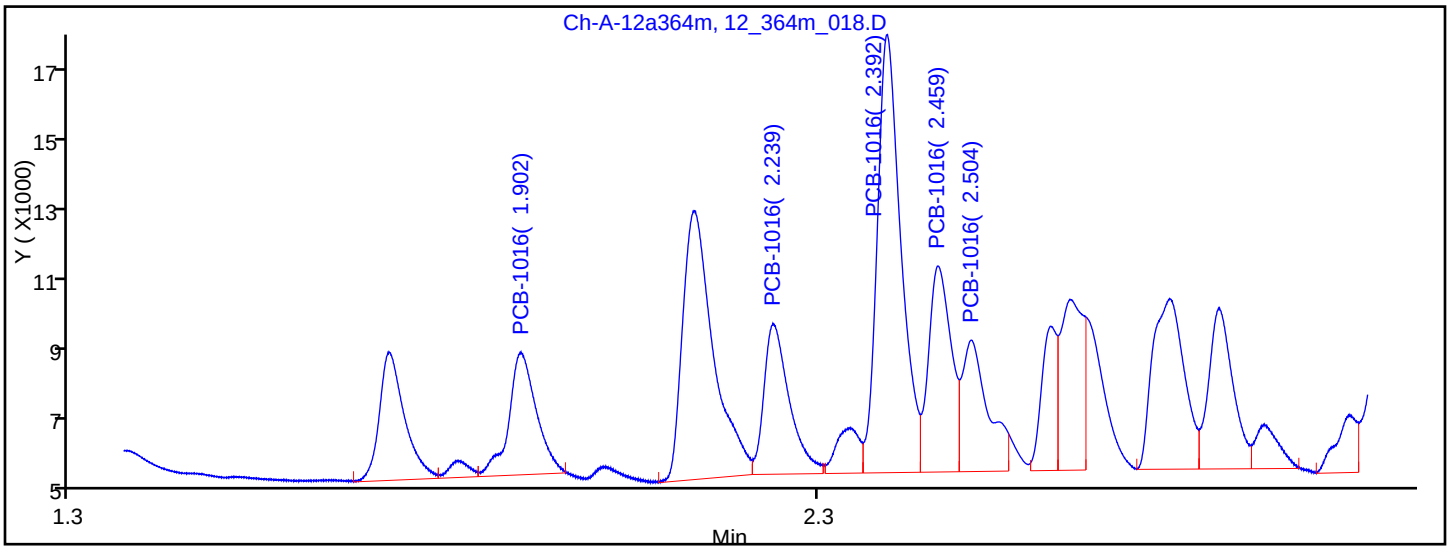
Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.902	Response = 8391	
RT = 2.239	Response = 8531	M
RT = 2.392	Response = 23136	M
RT = 2.460	Response = 9227	M
RT = 2.504	Response = 4844	M



Manual Integration Results

RT = 1.902	Response = 8391	
RT = 2.239	Response = 9502	M
RT = 2.392	Response = 25919	M
RT = 2.459	Response = 11615	M
RT = 2.504	Response = 8458	M

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

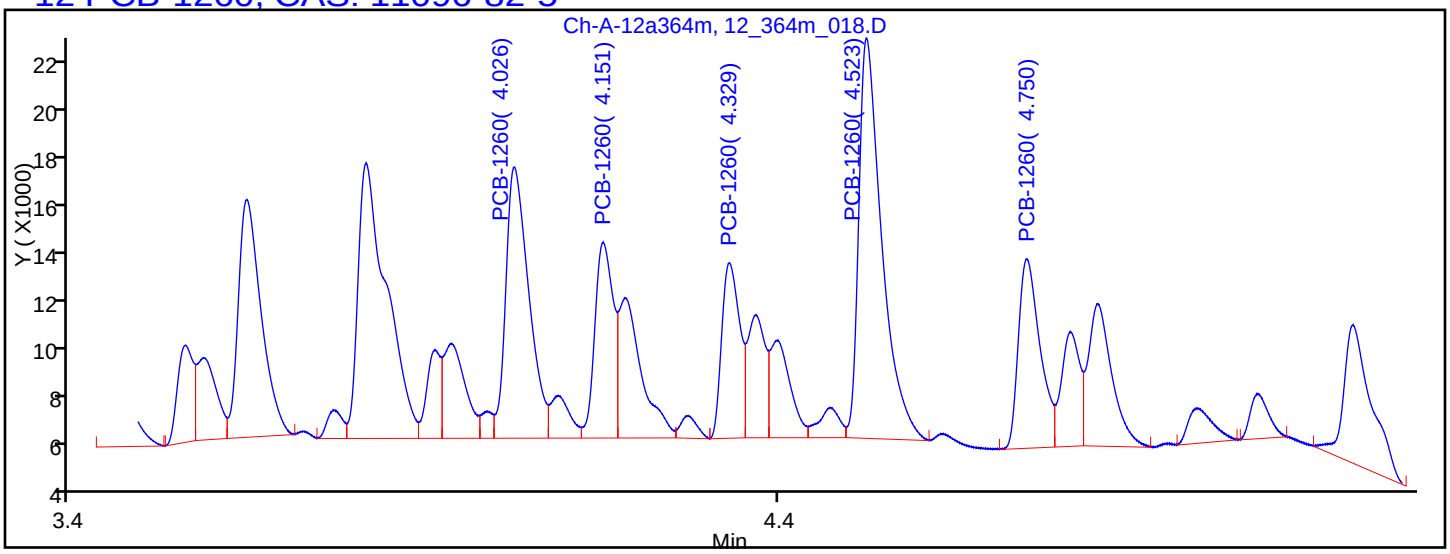
Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

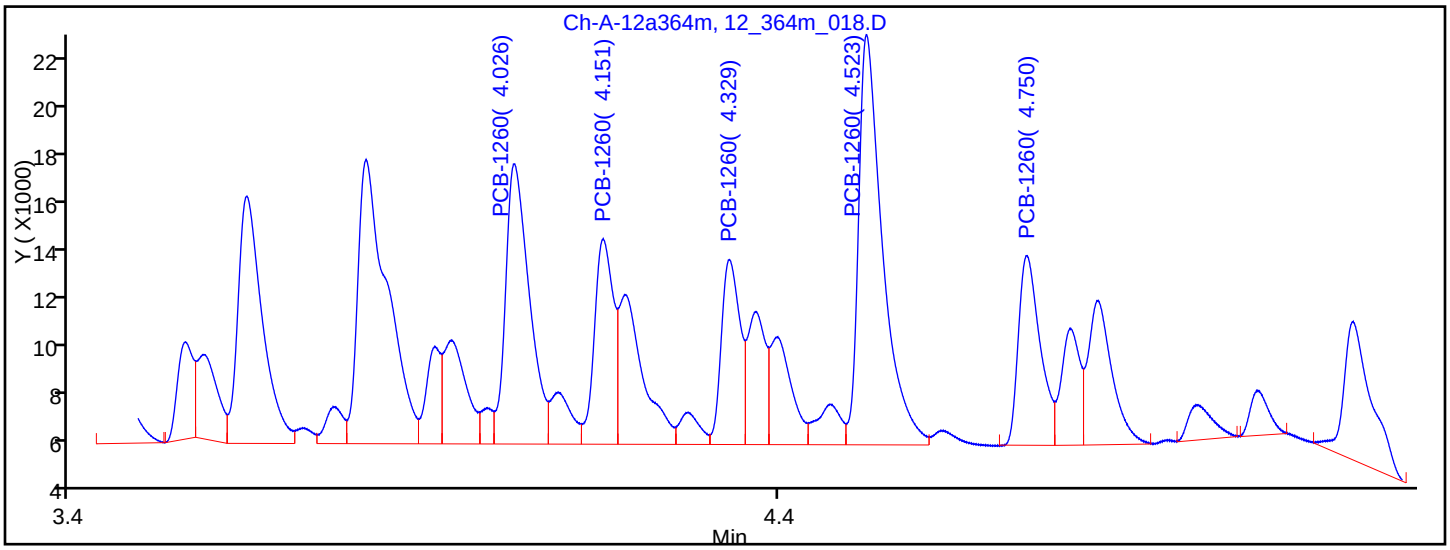
Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.026	Response = 25234	M
RT = 4.151	Response = 14663	M
RT = 4.329	Response = 12778	M
RT = 4.523	Response = 37282	M
RT = 4.750	Response = 16582	



Manual Integration Results

RT = 4.026	Response = 26961	M
RT = 4.151	Response = 15860	M
RT = 4.329	Response = 13951	M
RT = 4.523	Response = 39901	M
RT = 4.750	Response = 16582	

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 18:25:21 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:09:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1444487	0.5000	0.5000	
2	1.694	1.695	-0.001	1150810	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	3828	0.001250	0.001156	M
2	2.297	2.296	0.001	2093	0.001250	0.001069	M
						RPD = 7.84	
9 PCB-1016							M
1	1.901	1.901	0.000	4054	0.0500	0.0439	
1	2.239	2.239	0.000	4683	0.0500	0.0478	M
1	2.391	2.390	0.001	13135	0.0500	0.0477	M
1	2.458	2.458	0.000	5641	0.0500	0.0474	M
1	2.505	2.505	0.000	3531	0.0500	0.0456	M
		Average of Peak Amounts =				0.0465	
2	2.714	2.713	0.001	2987	0.0500	0.0486	M
2	3.039	3.037	0.002	6161	0.0500	0.0507	M
2	3.252	3.251	0.001	3901	0.0500	0.0563	M
2	3.347	3.346	0.001	10102	0.0500	0.0494	M
2	3.469	3.470	-0.001	4478	0.0500	0.0524	M
		Average of Peak Amounts =				0.0515	
						RPD = 10.17	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	12728	0.0500	0.0492	M
1	4.150	4.150	0.000	7824	0.0500	0.0532	M
1	4.329	4.329	0.000	6669	0.0500	0.0511	
1	4.523	4.522	0.001	19046	0.0500	0.0480	
1	4.749	4.749	0.000	8438	0.0500	0.0497	
		Average of Peak Amounts =				0.0502	
2	5.241	5.239	0.002	7434	0.0500	0.0523	M
2	5.565	5.563	0.002	5580	0.0500	0.0503	
2	5.629	5.631	-0.002	4967	0.0500	0.0528	M
2	5.697	5.695	0.002	15993	0.0500	0.0504	M
2	6.087	6.089	-0.002	10636	0.0500	0.0505	M
		Average of Peak Amounts =				0.0513	
						RPD = 1.98	
$ 15 DCB Decachlorobiphenyl							M
1	5.724	5.725	-0.001	5974	0.001250	0.001208	
2	7.442	7.444	-0.002	5266	0.001250	0.001369	M
						RPD = 12.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00003 Amount Added: 0.25 Units: mL

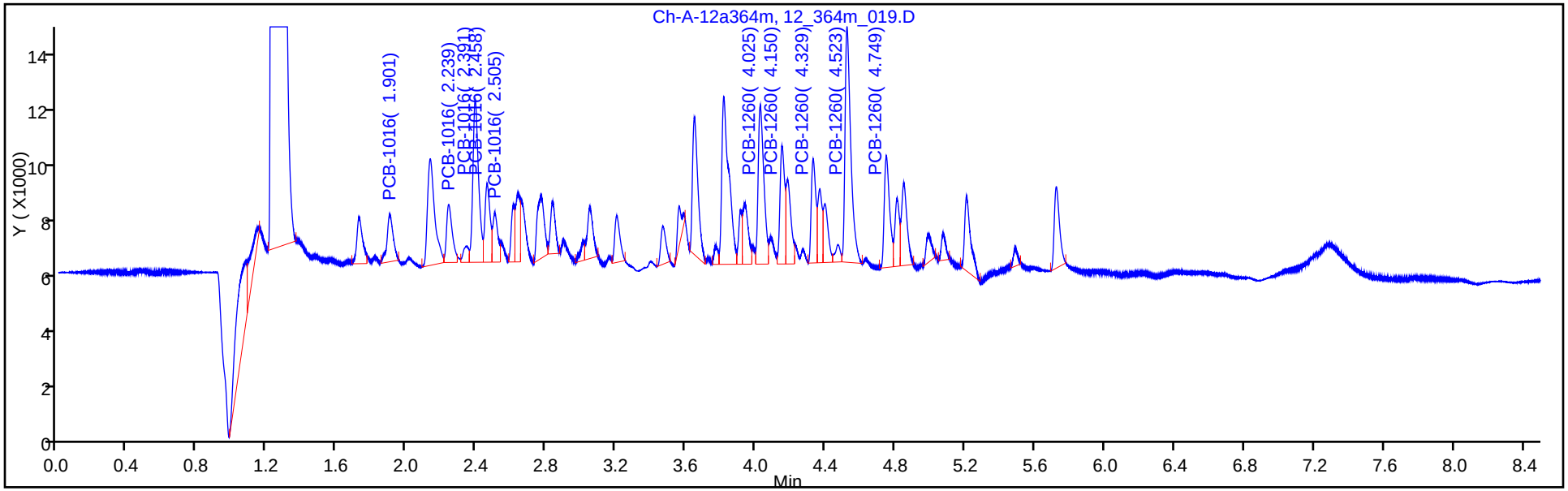
Report Date: 05-May-2016 16:32:43 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

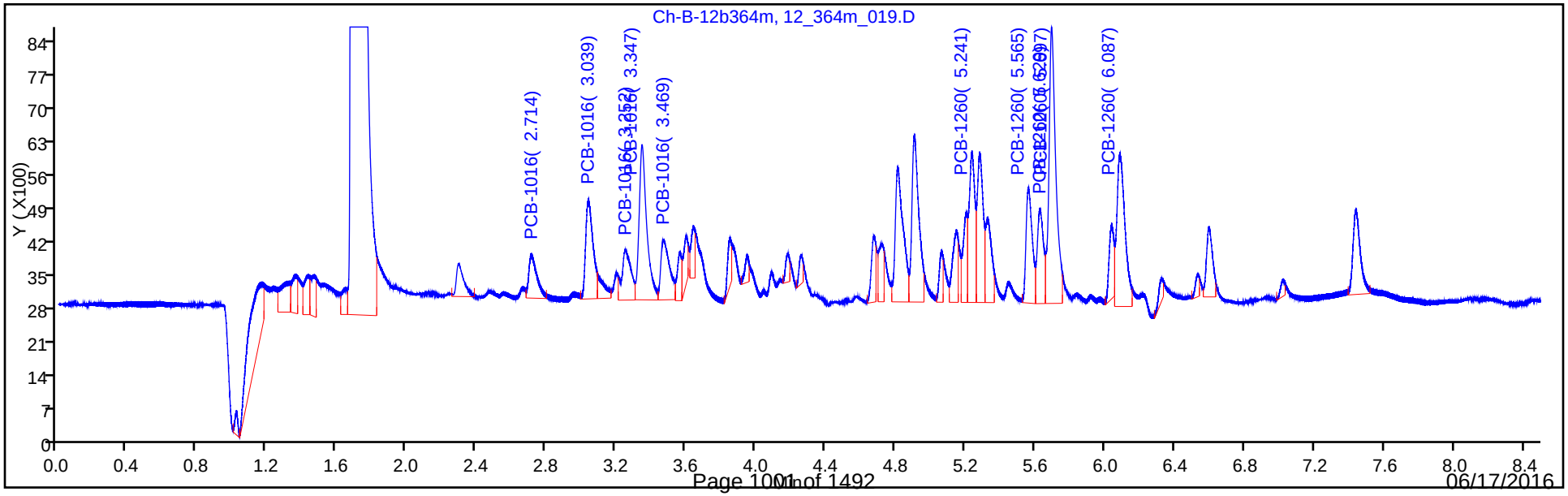
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

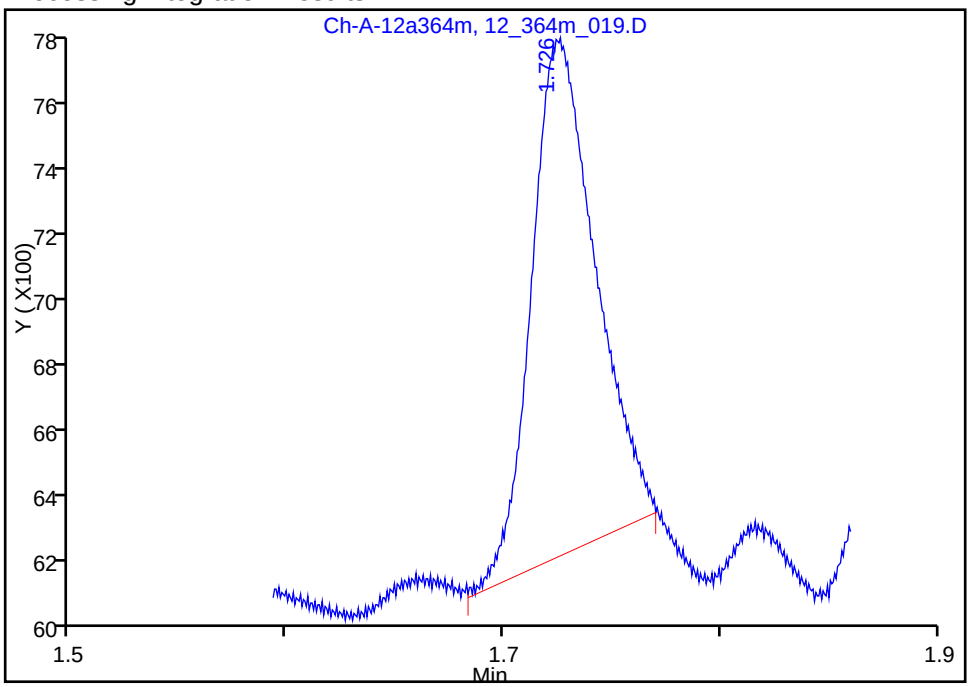
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D				
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

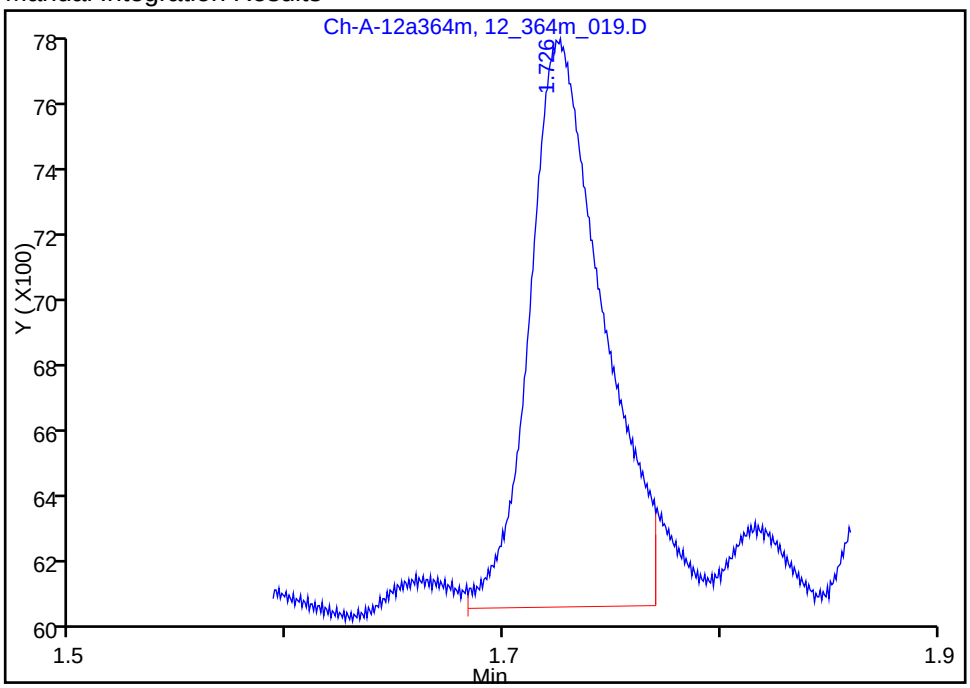
Processing Integration Results

RT: 1.73
Area: 3067
Amount: 0.000982
Amount Units: ng/uL



Manual Integration Results

RT: 1.73
Area: 3828
Amount: 0.001156
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

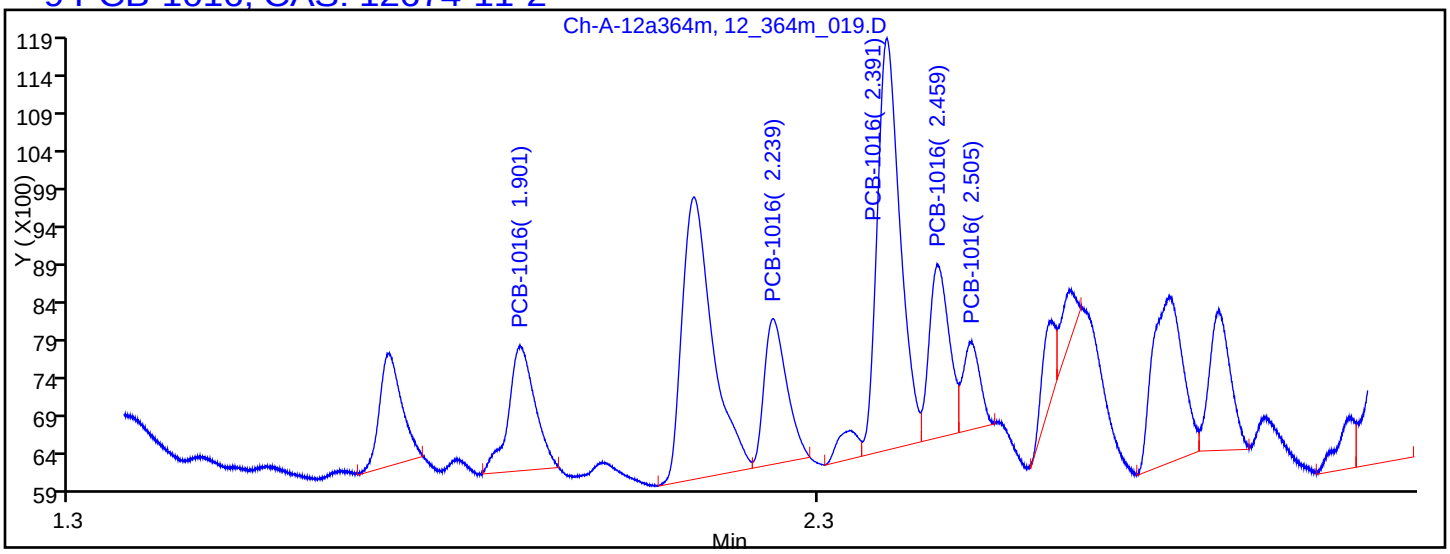
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

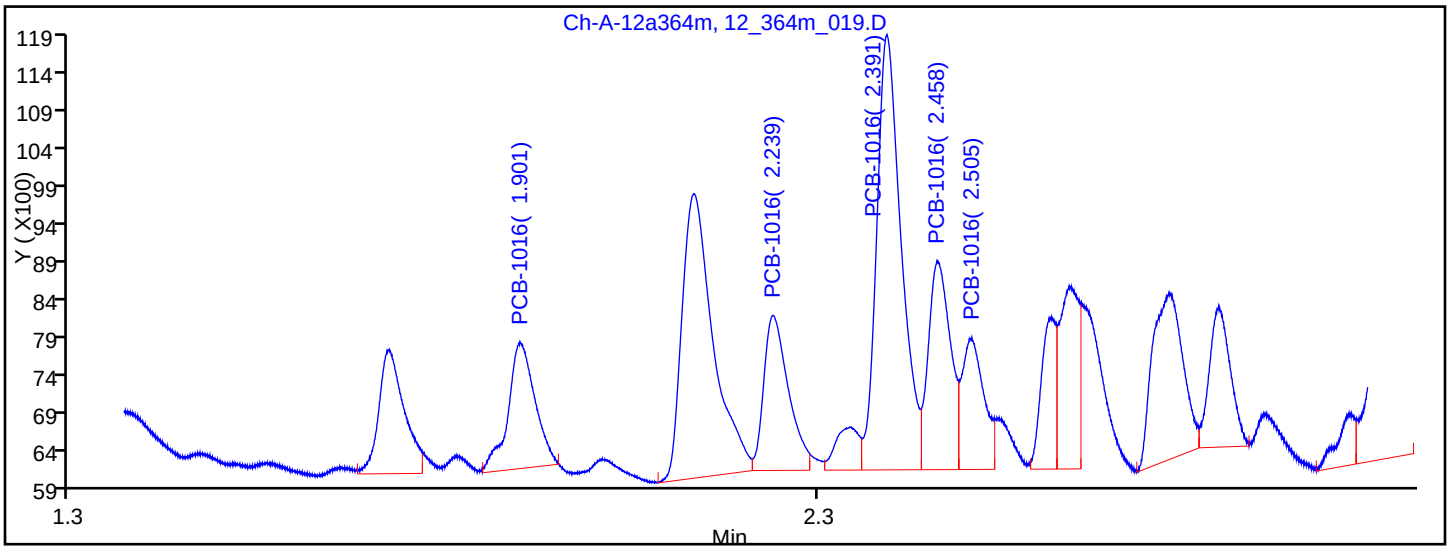
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.901	Response = 4054	
RT = 2.239	Response = 4021	M
RT = 2.391	Response = 11609	M
RT = 2.459	Response = 4230	M
RT = 2.505	Response = 1845	M



Manual Integration Results

RT = 1.901	Response = 4054	
RT = 2.239	Response = 4683	M
RT = 2.391	Response = 13135	M
RT = 2.458	Response = 5641	M
RT = 2.505	Response = 3531	M

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

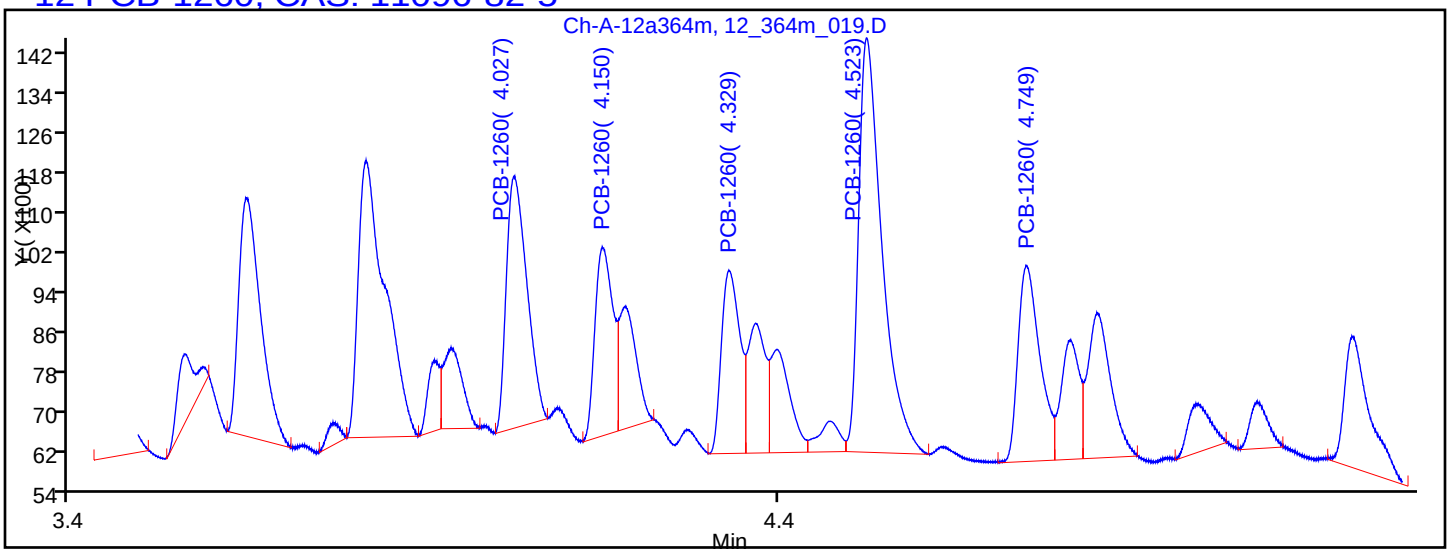
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

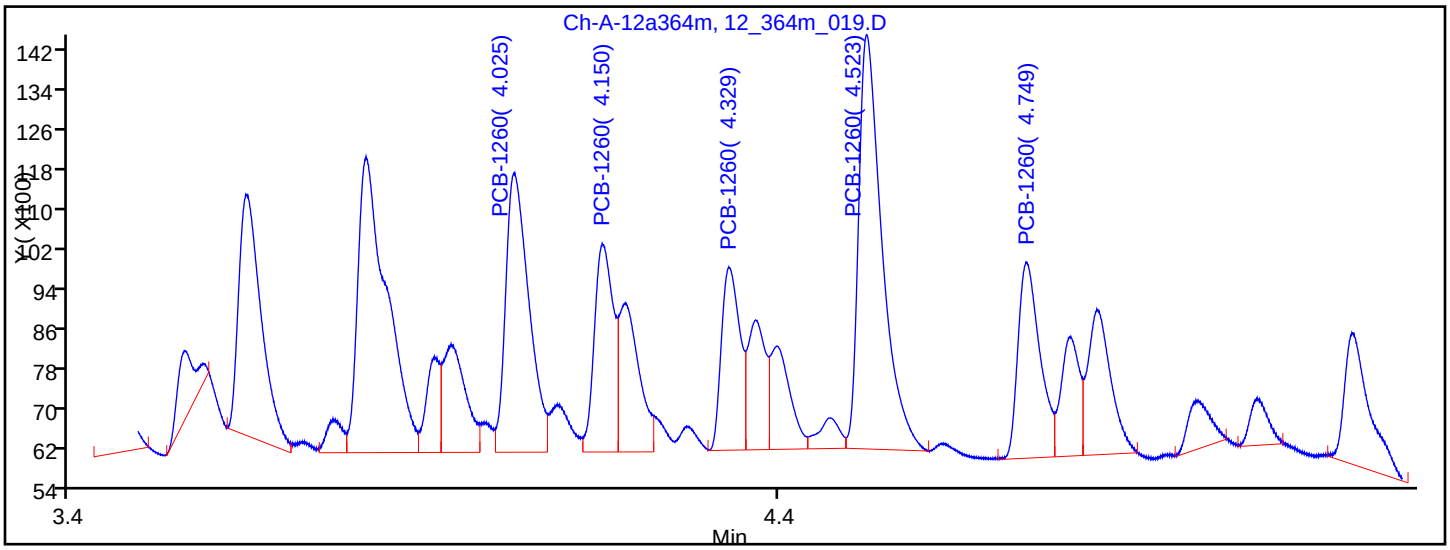
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.027	Response = 10146	M
RT = 4.150	Response = 6697	M
RT = 4.329	Response = 6669	
RT = 4.523	Response = 19046	
RT = 4.749	Response = 8438	



Manual Integration Results

RT = 4.025	Response = 12728	M
RT = 4.150	Response = 7824	M
RT = 4.329	Response = 6669	
RT = 4.523	Response = 19046	
RT = 4.749	Response = 8438	

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-May-2016 18:40:41 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:52 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:14:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1428091	0.5000	0.5000	
2	1.694	1.694	0.000	1134052	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.723	1.723	0.000	1897	0.000500	0.000579	M
2	2.295	2.295	0.000	982	0.000500	0.000509	M
						RPD = 12.97	
9 PCB-1016							M
1	1.901	1.901	0.000	2089	0.0200	0.0229	M
1	2.239	2.239	0.000	1688	0.0200	0.0174	M
1	2.391	2.391	0.000	5179	0.0200	0.0190	M
1	2.459	2.459	0.000	2510	0.0200	0.0213	M
1	2.501	2.501	0.000	1267	0.0200	0.0165	M
		Average of Peak Amounts =				0.0194	
2	2.714	2.714	0.000	1423	0.0200	0.0235	M
2	3.038	3.038	0.000	2571	0.0200	0.0215	M
2	3.250	3.250	0.000	1268	0.0200	0.0186	M
2	3.347	3.347	0.000	3969	0.0200	0.0197	M
2	3.469	3.469	0.000	1512	0.0200	0.0180	M
		Average of Peak Amounts =				0.0202	
						RPD = 3.96	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	4236	0.0200	0.0165	
1	4.150	4.150	0.000	2994	0.0200	0.0206	M
1	4.329	4.329	0.000	2255	0.0200	0.0175	
1	4.522	4.522	0.000	8227	0.0200	0.0210	M
1	4.749	4.749	0.000	3419	0.0200	0.0204	
		Average of Peak Amounts =				0.0192	
2	5.241	5.241	0.000	2930	0.0200	0.0209	M
2	5.564	5.564	0.000	1824	0.0200	0.0167	M
2	5.627	5.627	0.000	2016	0.0200	0.0217	M
2	5.696	5.696	0.000	5952	0.0200	0.0190	M
2	6.089	6.089	0.000	4661	0.0200	0.0225	M
		Average of Peak Amounts =				0.0202	
						RPD = 4.92	
$ 15 DCB Decachlorobiphenyl							M
1	5.723	5.723	0.000	2654	0.000500	0.000543	M
2	7.437	7.437	0.000	1904	0.000500	0.000502	M
						RPD = 7.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00003 Amount Added: 0.25 Units: mL

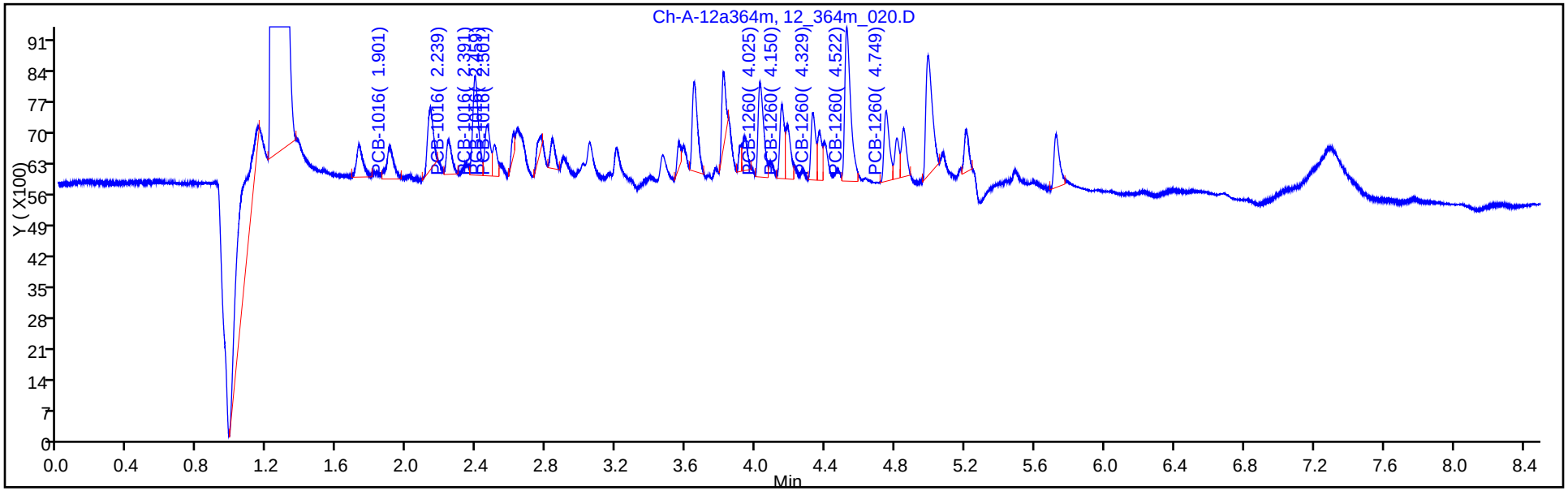
Report Date: 05-May-2016 16:32:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

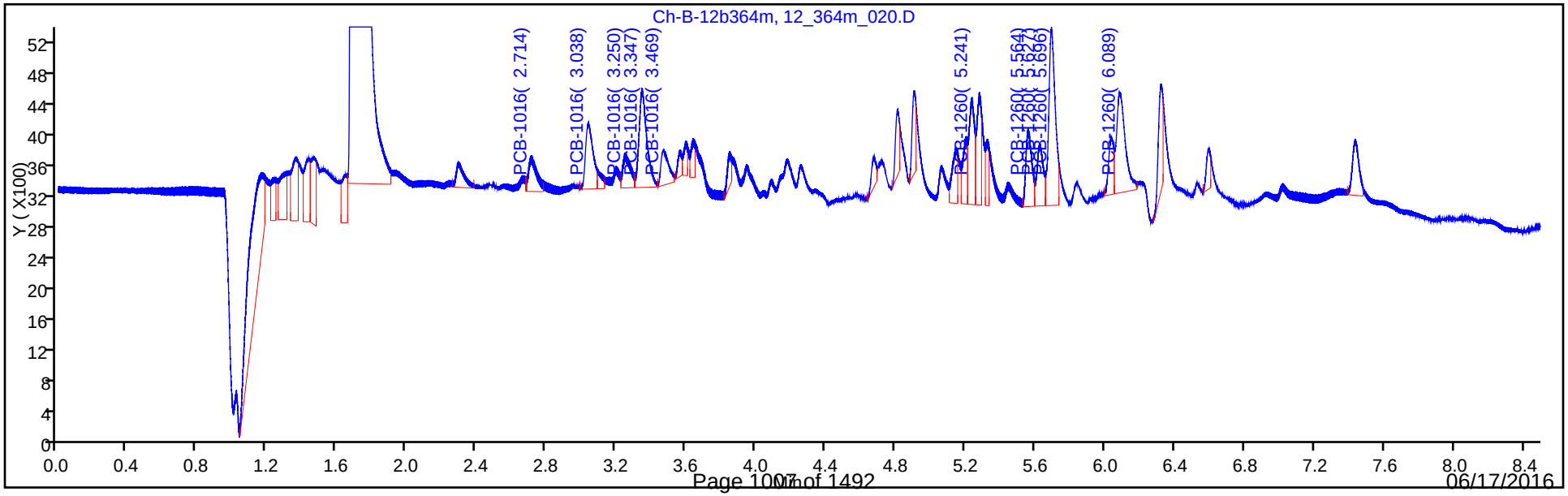
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date:	04-May-2016 18:40:41	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

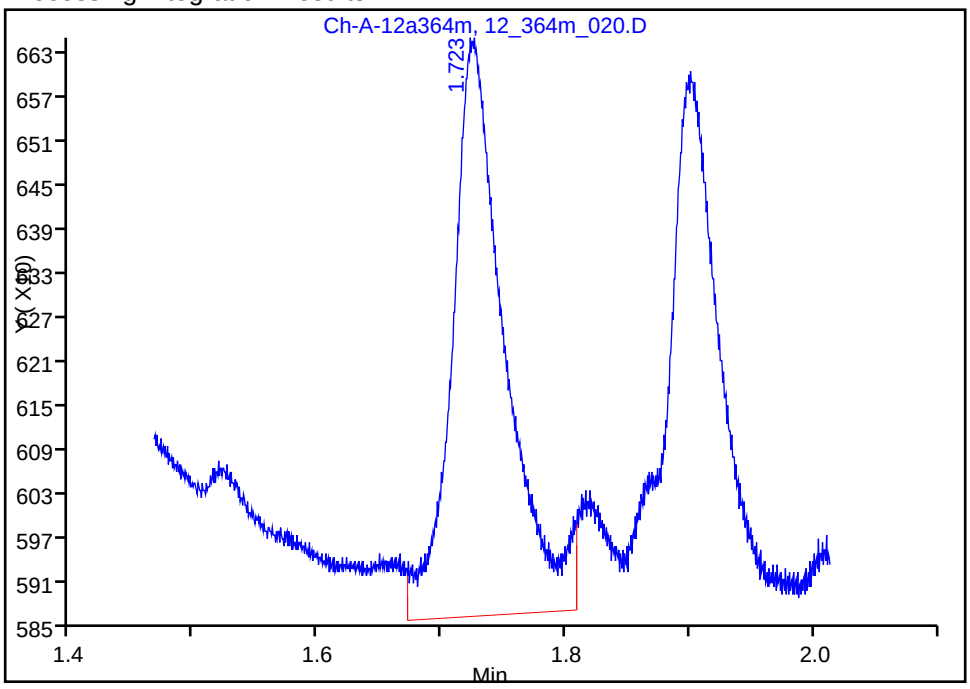
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

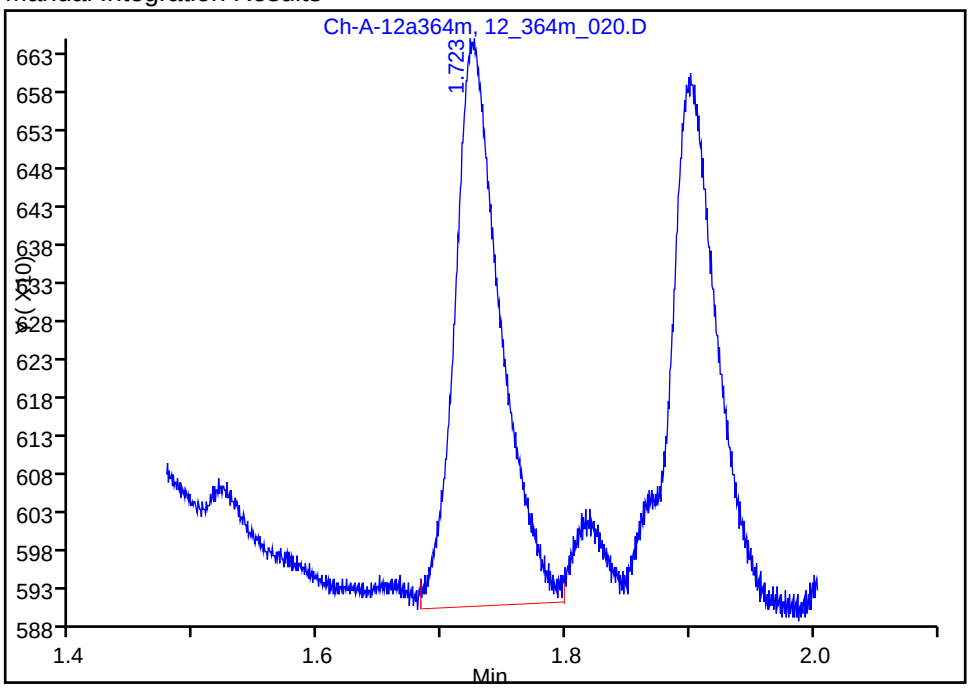
Processing Integration Results

RT: 1.72
Area: 2296
Amount: 0.000678
Amount Units: ng/uL



Manual Integration Results

RT: 1.72
Area: 1897
Amount: 0.000579
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:14:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

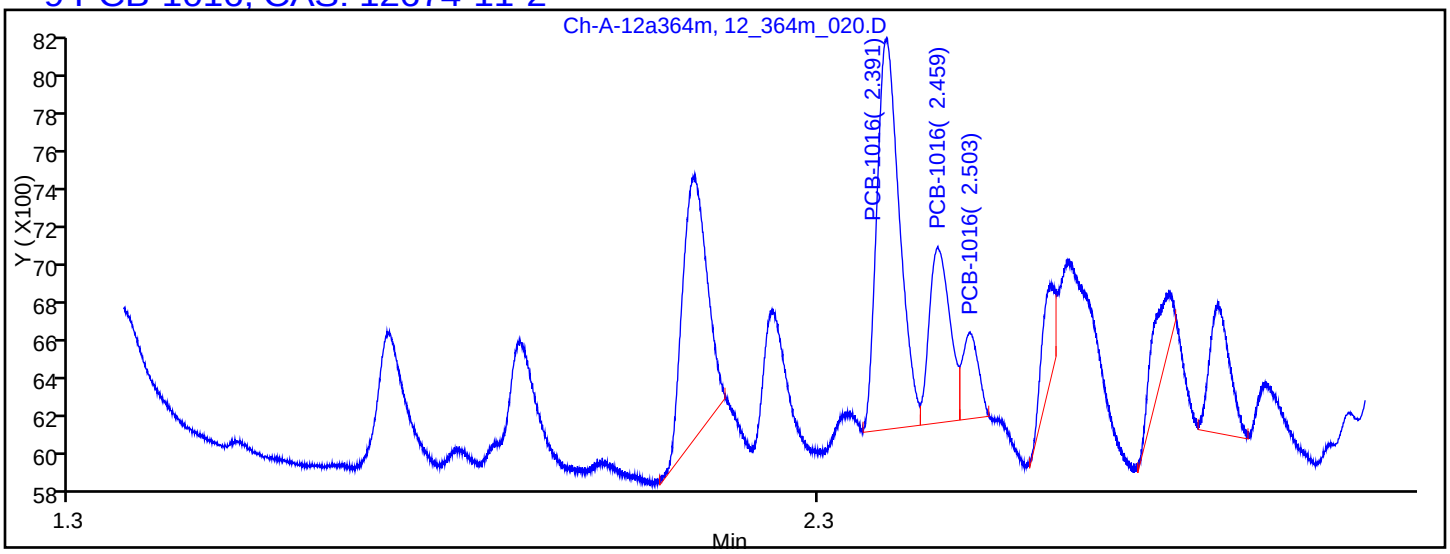
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

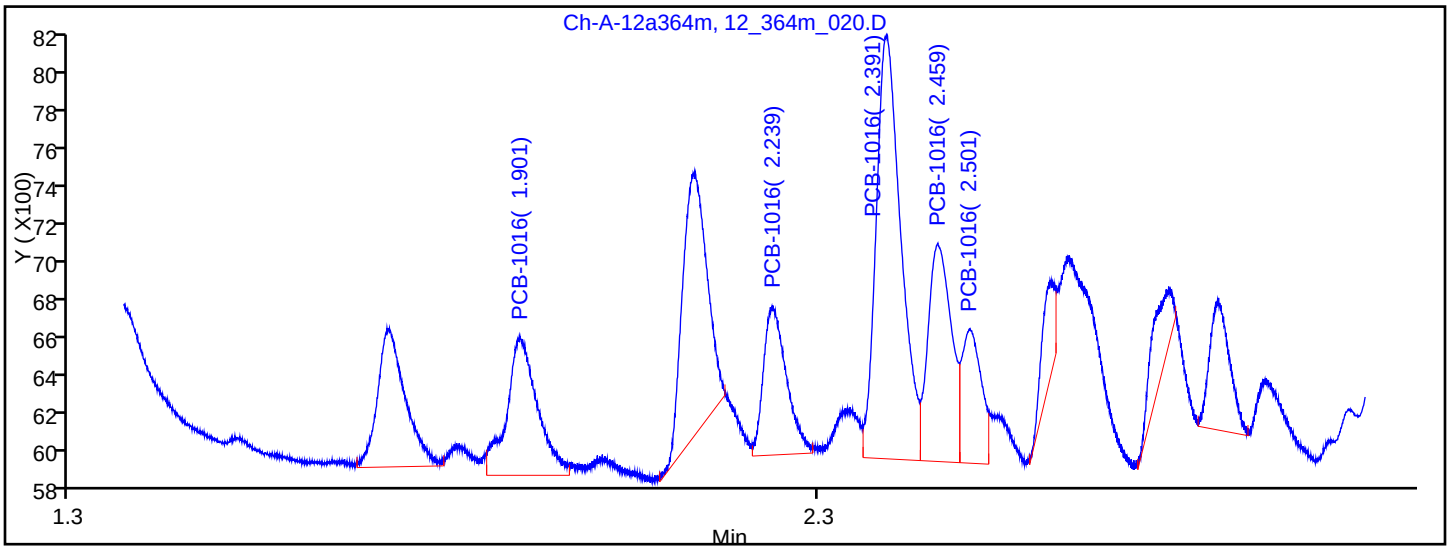
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 0.000	Response = 0	M
RT = 2.391	Response = 4361	M
RT = 2.459	Response = 1802	M
RT = 2.503	Response = 671	M



Manual Integration Results

RT = 1.901	Response = 2089	M
RT = 2.239	Response = 1688	M
RT = 2.391	Response = 5179	M
RT = 2.459	Response = 2510	M
RT = 2.501	Response = 1267	M

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

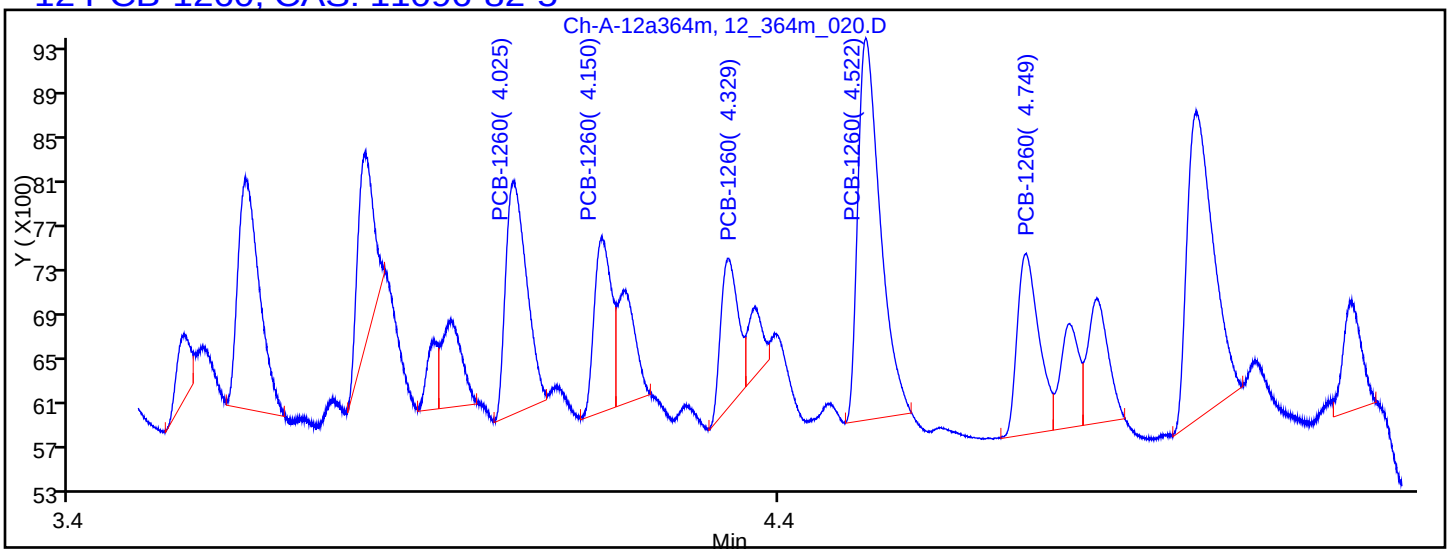
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

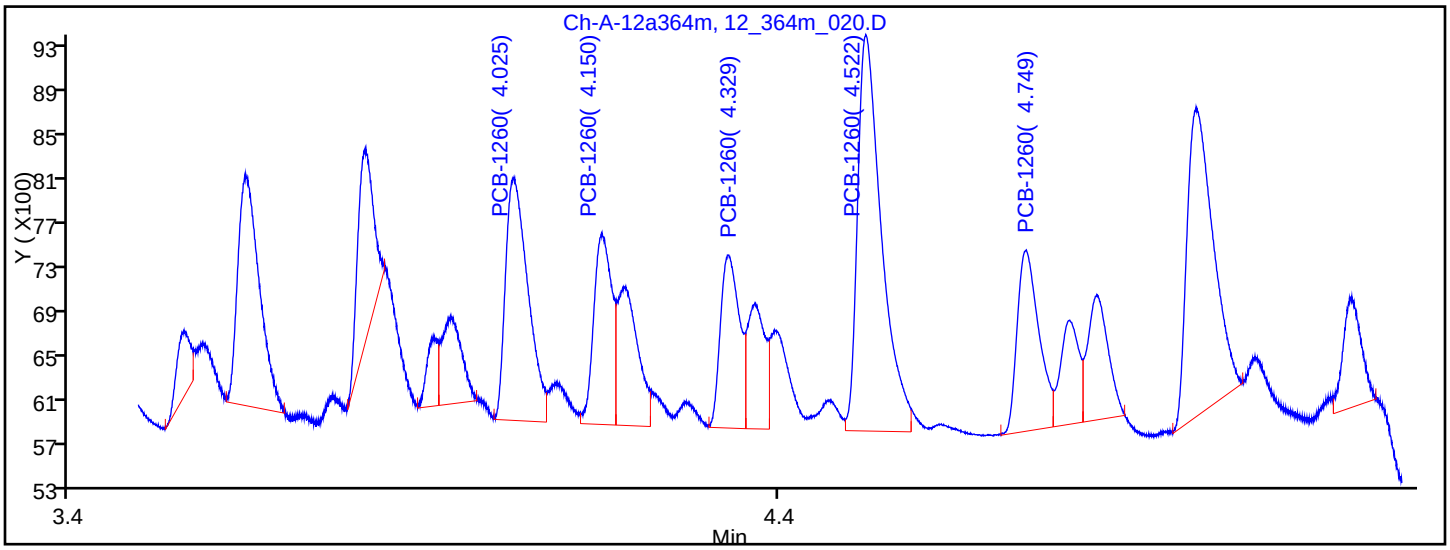
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.025	Response = 4236	
RT = 4.150	Response = 2617	M
RT = 4.329	Response = 2255	
RT = 4.522	Response = 7424	M
RT = 4.749	Response = 3419	



Manual Integration Results

RT = 4.025	Response = 4236	
RT = 4.150	Response = 2994	M
RT = 4.329	Response = 2255	
RT = 4.522	Response = 8227	M
RT = 4.749	Response = 3419	

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

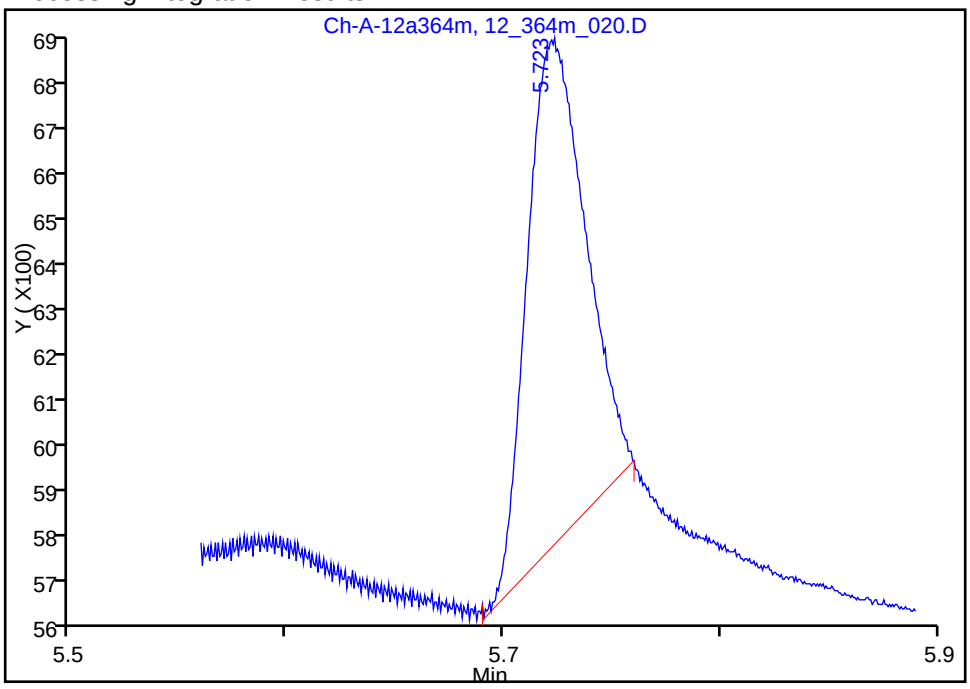
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

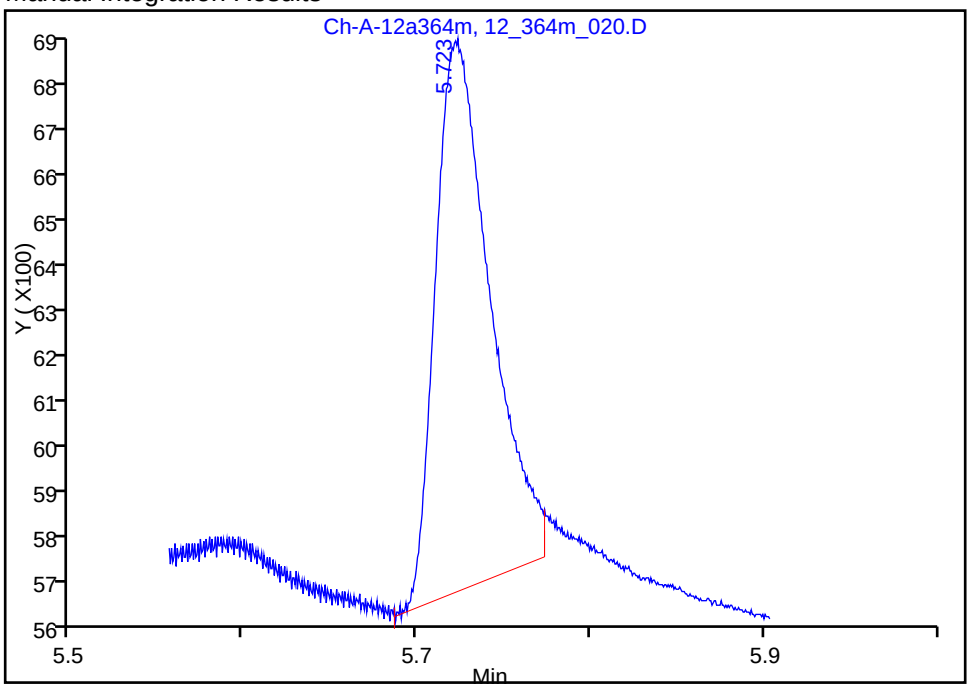
Processing Integration Results

RT: 5.72
Area: 2081
Amount: 0.000441
Amount Units: ng/uL



Manual Integration Results

RT: 5.72
Area: 2654
Amount: 0.000543
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:14:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27387

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0314 0.0263	0.0260 0.0234	0.0268	0.0267	0.0265	Ave		0.0267				8.8		20.0			
PCB-1016 Peak 2	0.0567 0.0495	0.0535 0.0454	0.0567	0.0558	0.0523	Ave		0.0528				7.9		20.0			
PCB-1016 Peak 3	0.0280 0.0297	0.0339 0.0281	0.0312	0.0302	0.0297	Ave		0.0301				6.7		20.0			
PCB-1016 Peak 4	0.0875 0.0914	0.0878 0.0865	0.0907	0.0894	0.0892	Ave		0.0889				2.0		20.0			
PCB-1016 Peak 5	0.0333 0.0377	0.0389 0.0357	0.0372	0.0389	0.0379	Ave		0.0371				5.3		20.0			
PCB-1260 Peak 1	0.0646 0.0598	0.0646 0.0574	0.0630	0.0618	0.0613	Ave		0.0618				4.2		20.0			
PCB-1260 Peak 2	0.0402 0.0492	0.0485 0.0474	0.0522	0.0498	0.0504	Ave		0.0482				8.0		20.0			
PCB-1260 Peak 3	0.0444 0.0394	0.0432 0.0379	0.0417	0.0393	0.0402	Ave		0.0409				5.7		20.0			
PCB-1260 Peak 4	0.1312 0.1396	0.1390 0.1345	0.1421	0.1367	0.1415	Ave		0.1378				2.8		20.0			
PCB-1260 Peak 5	0.1028 0.0918	0.0924 0.0902	0.0856	0.0857	0.0919	Ave		0.0915				6.3		20.0			
Tetrachloro-m-xylene	0.8659 0.8937	0.7275 0.9848	0.8432	0.8052	0.8366	Ave		0.8510				9.3		20.0			
DCB Decachlorobiphenyl	1.6789 1.6669	1.8304 1.6058	1.6343	1.5821	1.7039	Ave		1.6718				4.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27387

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1423 58754	2987 105556	5974	12182	29526	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	2571 110607	6161 204615	12633	25425	58190	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	1268 66325	3901 126930	6961	13771	33081	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	3969 204294	10102 390116	20211	40779	99224	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	1512 84305	4478 161066	8299	17720	42168	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	2930 133694	7434 258645	14033	28184	68244	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	1824 110021	5580 213607	11641	22711	56030	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	2016 88091	4967 170965	9306	17927	44769	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	5952 311959	15993 606591	31672	62325	157424	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	4661 205276	10636 406580	19081	39058	102229	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	982 49939	2093 111019	4699	9178	23268	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	1904 93150	5266 181020	9108	18033	47392	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-May-2016 17:08:32 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:02 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:30:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.238	1.237	0.001	1430299	0.5000	0.5000	
2	1.695	1.694	0.001	1127308	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.723	0.002	170472	0.0500	0.0520	a
2	2.294	2.296	-0.002	111019	0.0500	0.0579	M
						RPD = 10.71	
9 PCB-1016							M
1	1.899	1.898	0.001	169825	2.00	1.86	a
1	2.237	2.237	0.000	191217	2.00	1.97	a
1	2.389	2.390	-0.001	541753	2.00	1.99	a
1	2.457	2.460	-0.003	222347	2.00	1.89	a
1	2.504	2.500	0.004	160011	2.00	2.09	a
		Average of Peak Amounts =				1.96	
2	2.709	2.709	0.000	105556	2.00	1.75	M
2	3.033	3.039	-0.006	204615	2.00	1.72	M
2	3.249	3.248	0.001	126930	2.00	1.87	M
2	3.345	3.348	-0.003	390116	2.00	1.95	M
2	3.467	3.470	-0.003	161066	2.00	1.93	M
		Average of Peak Amounts =				1.84	
						RPD = 6.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	480226	2.00	1.87	a
1	4.149	4.148	0.001	244941	2.00	1.68	a
1	4.327	4.328	-0.001	240358	2.00	1.86	a
1	4.521	4.520	0.001	745098	2.00	1.90	a
1	4.748	4.747	0.001	328390	2.00	1.96	a
		Average of Peak Amounts =				1.85	
2	5.237	5.237	0.000	258645	2.00	1.86	a
2	5.560	5.563	-0.003	213607	2.00	1.96	a
2	5.627	5.629	-0.002	170965	2.00	1.85	a
2	5.693	5.695	-0.002	606591	2.00	1.95	a
2	6.086	6.086	0.000	406580	2.00	1.97	a
		Average of Peak Amounts =				1.92	
						RPD = 3.51	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.721	0.004	223860	0.0500	0.0457	a
2	7.442	7.439	0.003	181020	0.0500	0.0480	a
						RPD = 4.90	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00003 Amount Added: 0.25 Units: mL

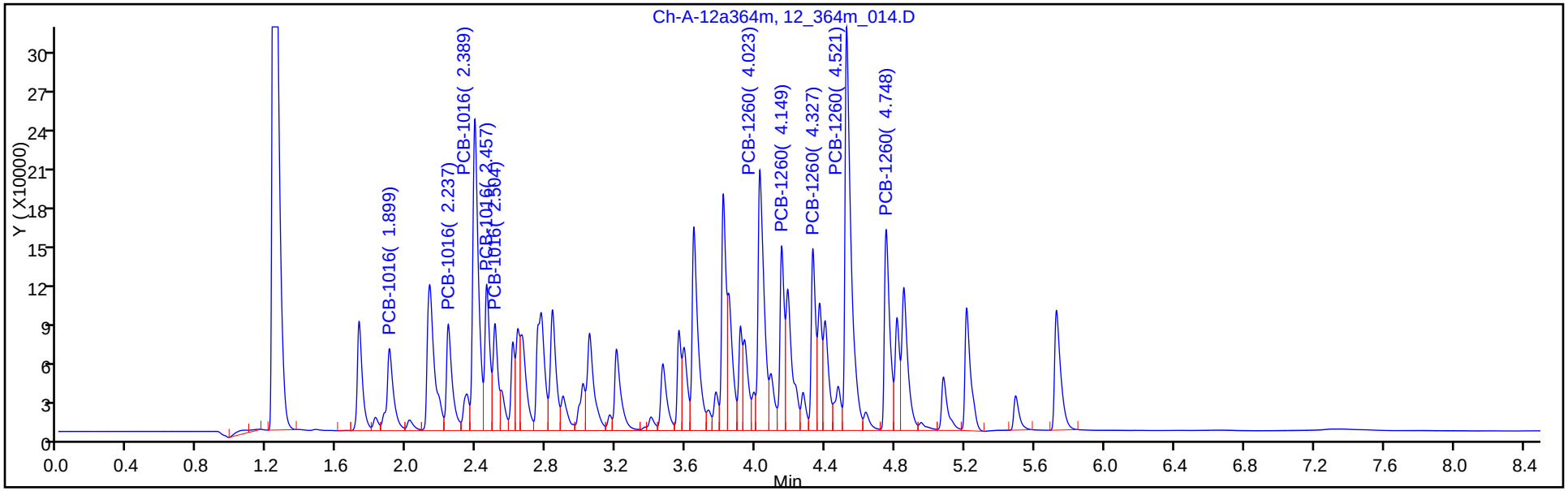
Report Date: 05-May-2016 16:32:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

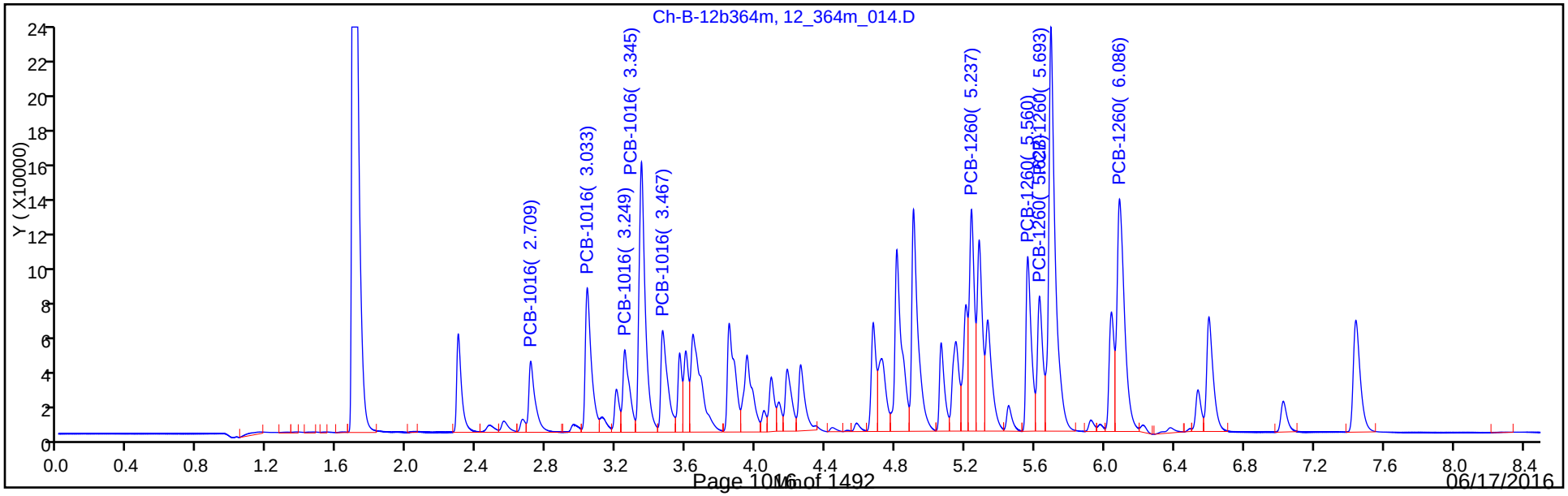
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D

Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

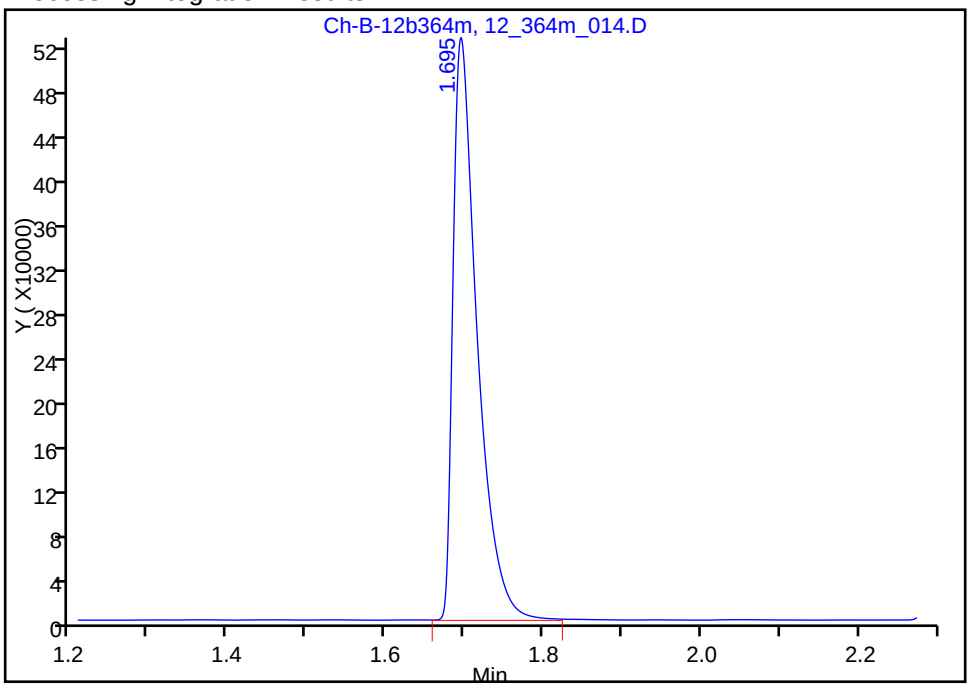
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D				
Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

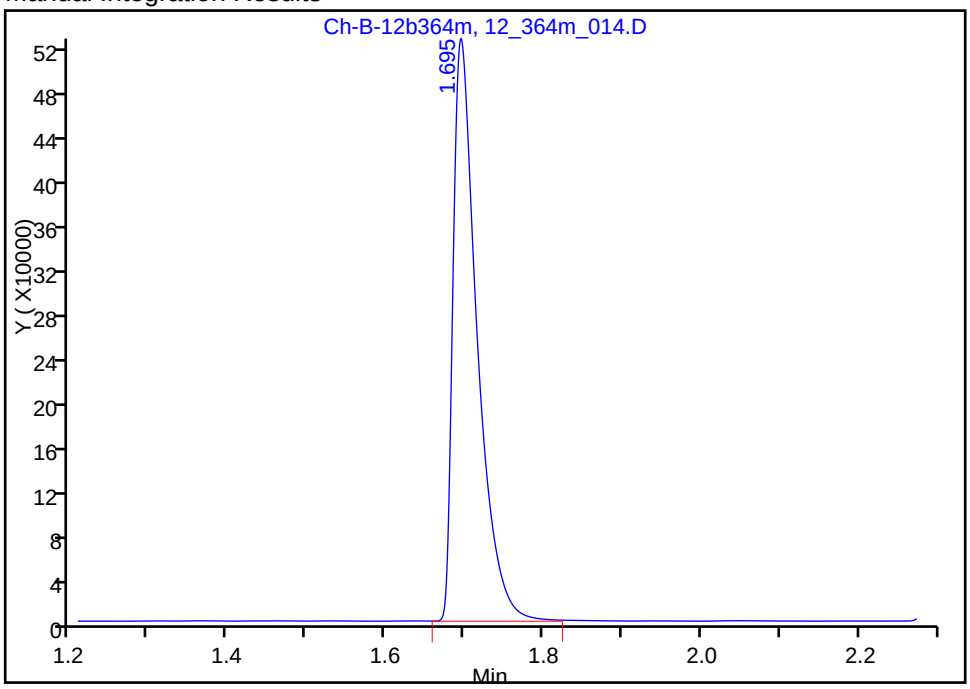
Processing Integration Results

RT: 1.70
Area: 1129059
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.70
Area: 1127308
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:24:15

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

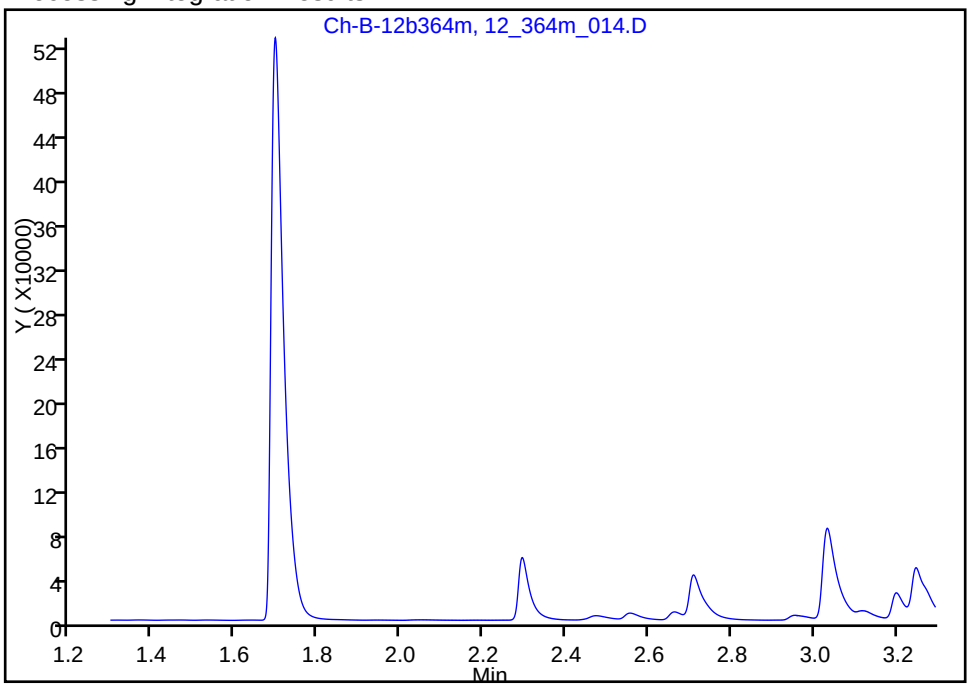
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Injection Date: 04-May-2016 17:08:32 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

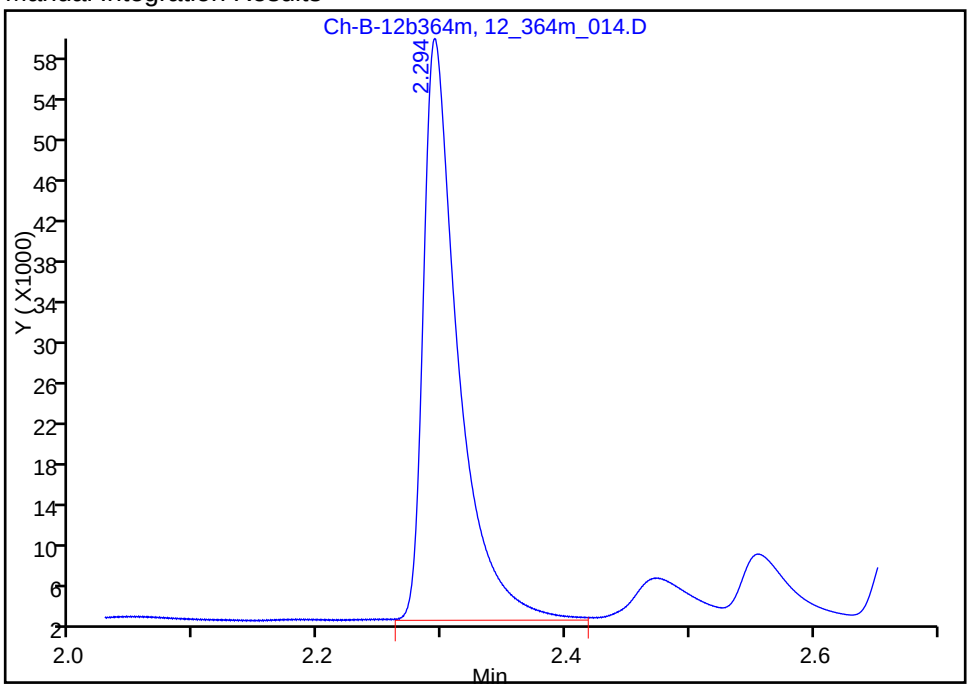
Not Detected
Expected RT: 2.30

Processing Integration Results



Manual Integration Results

RT: 2.29
Area: 111019
Amount: 0.057864
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 17:30:32
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

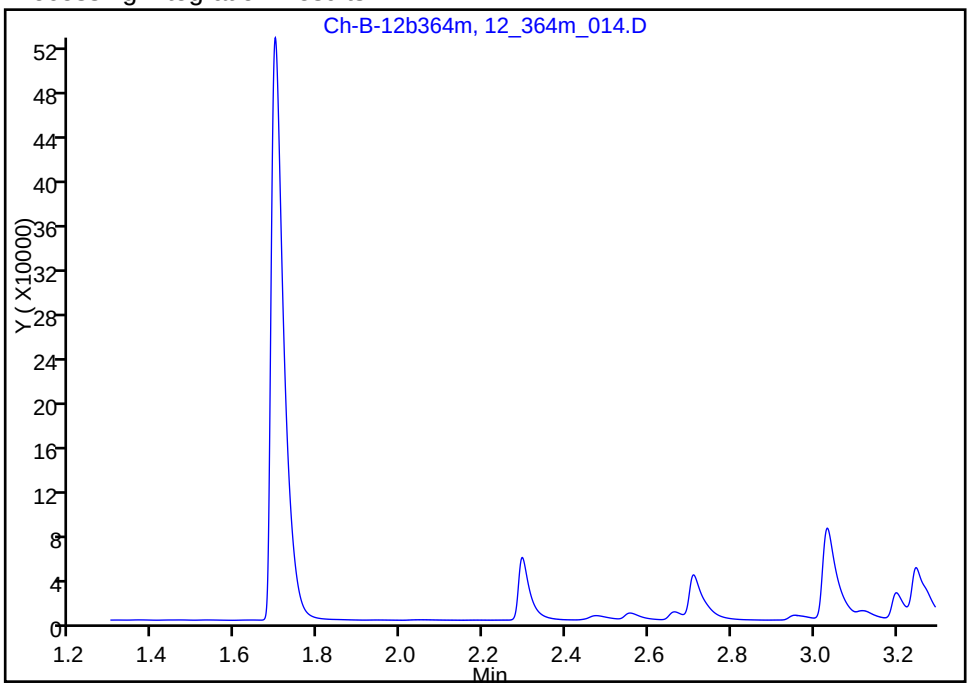
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Injection Date: 04-May-2016 17:08:32 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

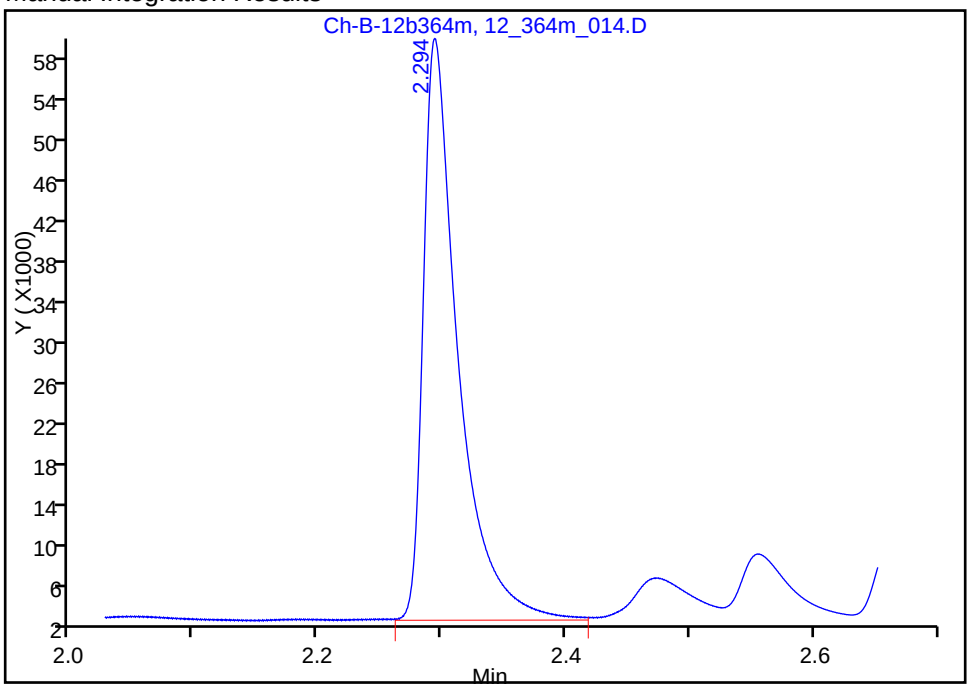
Processing Integration Results

Not Detected
Expected RT: 2.30



Manual Integration Results

RT: 2.29
Area: 111019
Amount: 0.057864
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:17:04
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

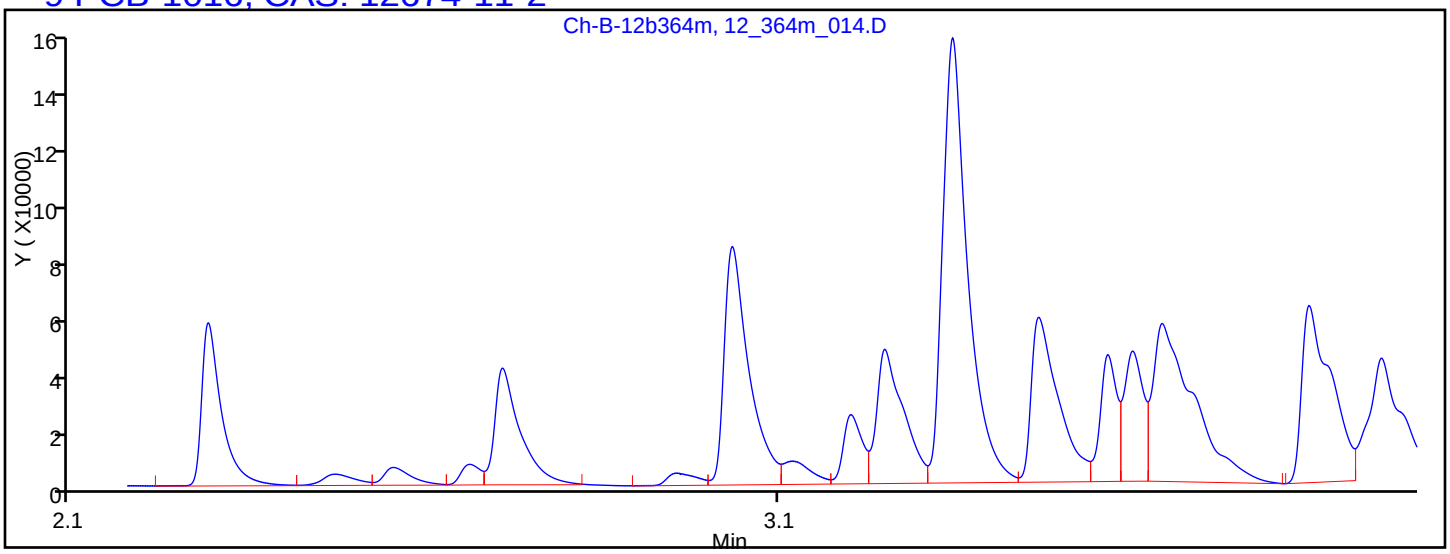
Report Date: 05-May-2016 16:32:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

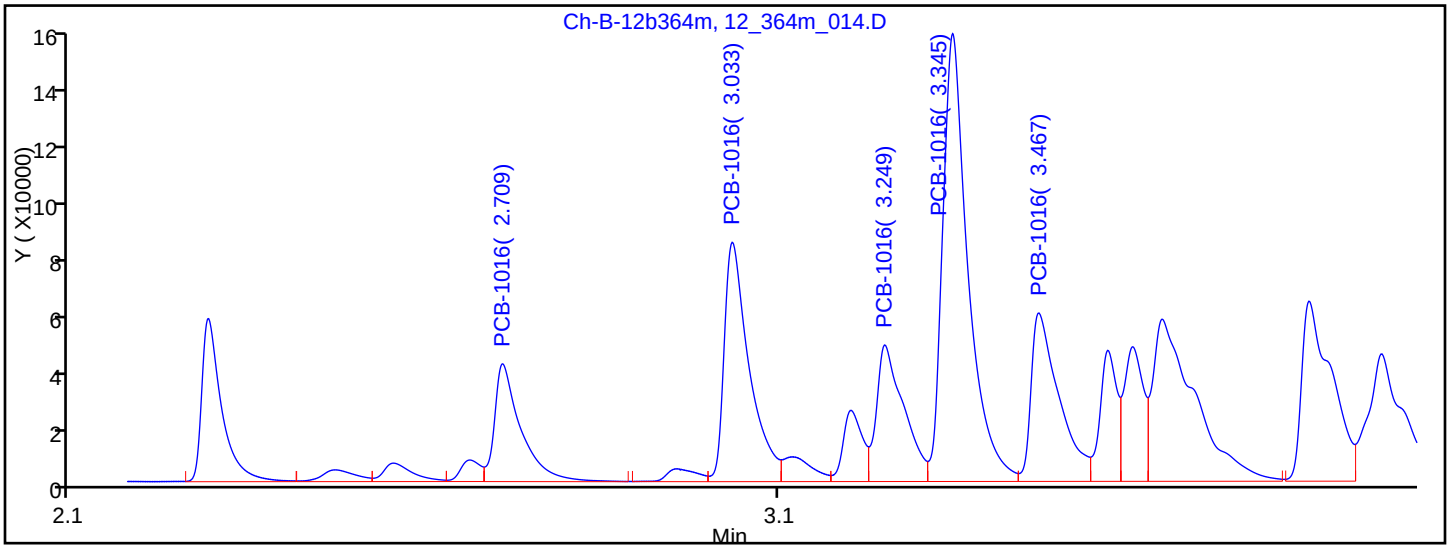
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D

Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results



Manual Integration Results

RT = 2.709	Response = 105556	M
RT = 3.033	Response = 204615	M
RT = 3.249	Response = 126930	M
RT = 3.345	Response = 390116	M
RT = 3.467	Response = 161066	M

Reviewer: sobolk, 04-May-2016 19:17:04

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-May-2016 17:23:52 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:08 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:57:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1411258	0.5000	0.5000	
2	1.695	1.694	0.001	1117617	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.725	1.723	0.002	82592	0.0250	0.0255	
2	2.295	2.296	-0.001	49939	0.0250	0.0263	
						RPD = 2.82	
9 PCB-1016							M
1	1.899	1.898	0.001	91005	1.00	1.01	
1	2.237	2.237	0.000	98316	1.00	1.03	M
1	2.389	2.390	-0.001	285278	1.00	1.06	M
1	2.457	2.460	-0.003	116405	1.00	1.00	M
1	2.504	2.500	0.004	80200	1.00	1.06	M
		Average of Peak Amounts =				1.03	
2	2.711	2.709	0.002	58754	1.00	0.9835	M
2	3.035	3.039	-0.004	110607	1.00	0.9366	M
2	3.250	3.248	0.002	66325	1.00	0.9852	M
2	3.345	3.348	-0.003	204294	1.00	1.03	M
2	3.468	3.470	-0.002	84305	1.00	1.02	M
		Average of Peak Amounts =				0.9900	
						RPD = 4.11	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	262792	1.00	1.04	
1	4.149	4.148	0.001	131297	1.00	0.9131	
1	4.327	4.328	-0.001	124850	1.00	0.9798	
1	4.521	4.520	0.001	382471	1.00	0.9873	
1	4.747	4.747	0.000	164890	1.00	0.99	
		Average of Peak Amounts =				0.9828	
2	5.237	5.237	0.000	133694	1.00	0.9681	
2	5.561	5.563	-0.002	110021	1.00	1.02	
2	5.627	5.629	-0.002	88091	1.00	0.9638	
2	5.693	5.695	-0.002	311959	1.00	1.01	
2	6.086	6.086	0.000	205276	1.00	1.00	
		Average of Peak Amounts =				0.99	
						RPD = 1.11	
$ 15 DCB Decachlorobiphenyl							
1	5.723	5.721	0.002	120081	0.0250	0.0249	
2	7.441	7.439	0.002	93150	0.0250	0.0249	
						RPD = 0.27	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00004 Amount Added: 0.25 Units: mL

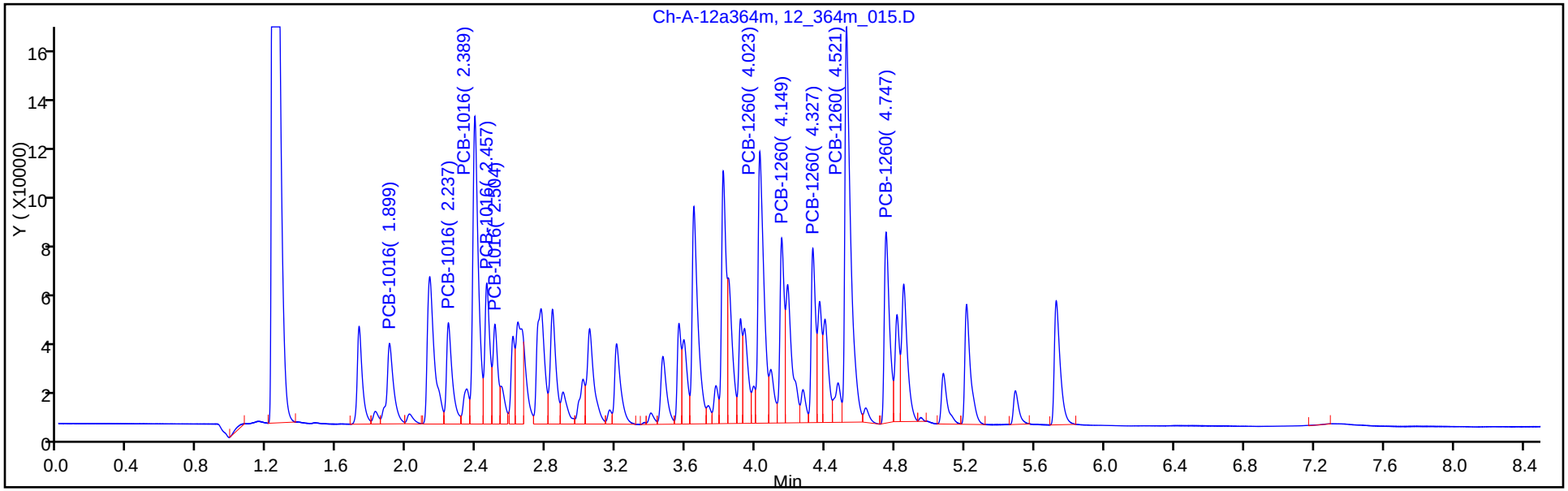
Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

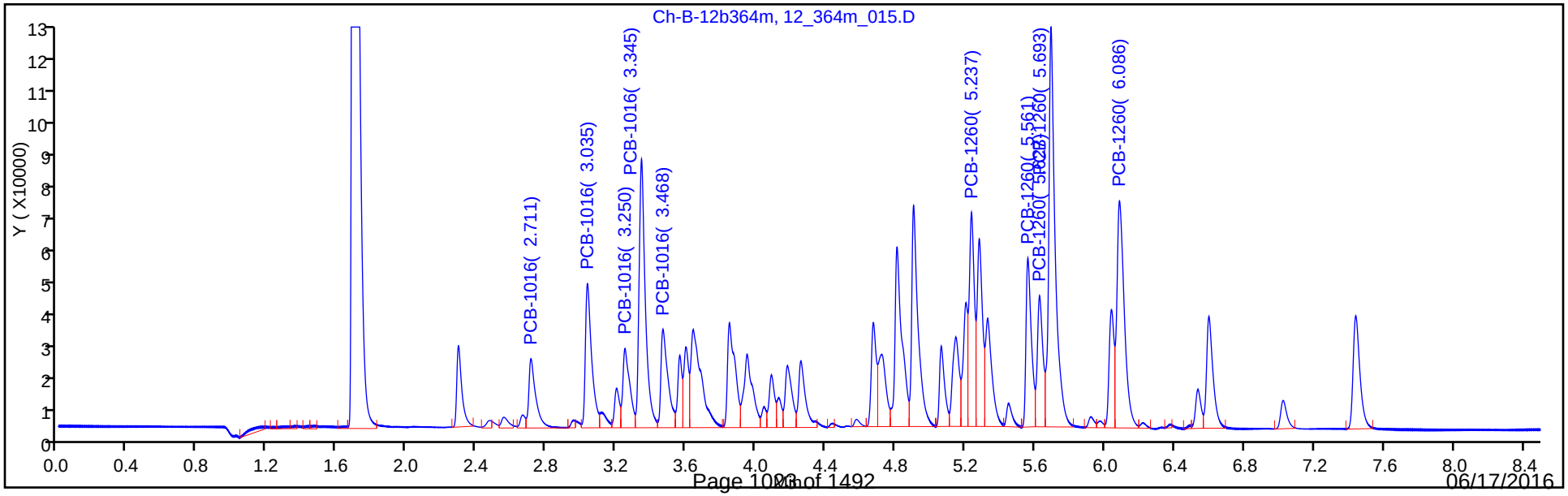
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

Injection Date:	04-May-2016 17:23:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



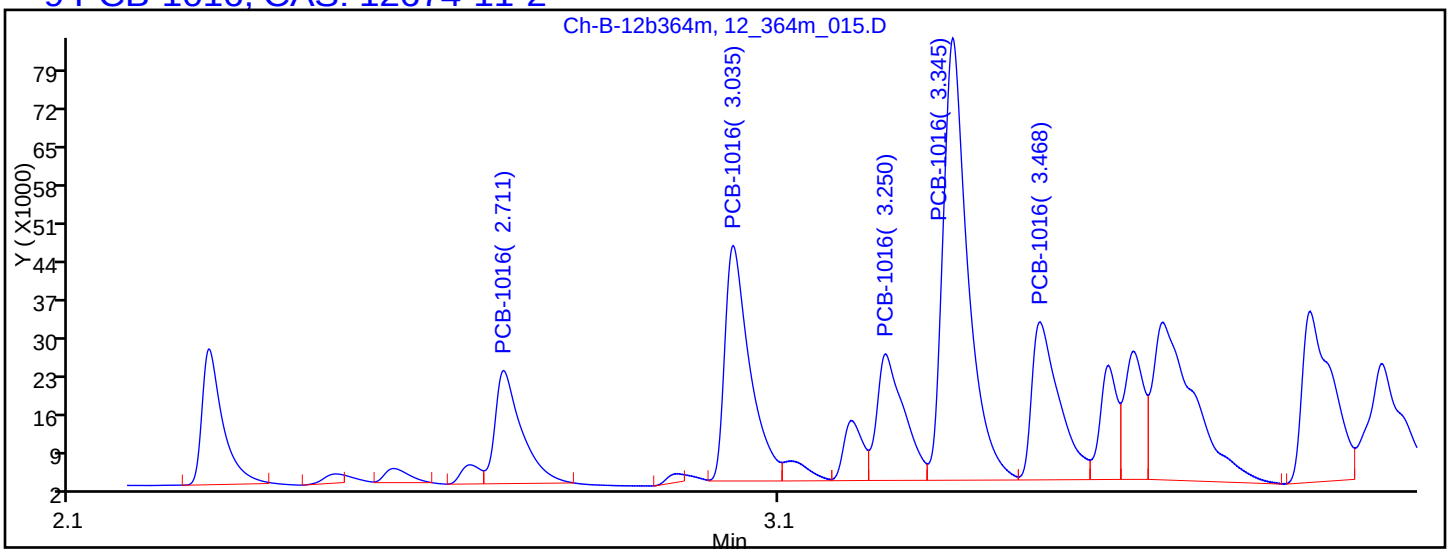
Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

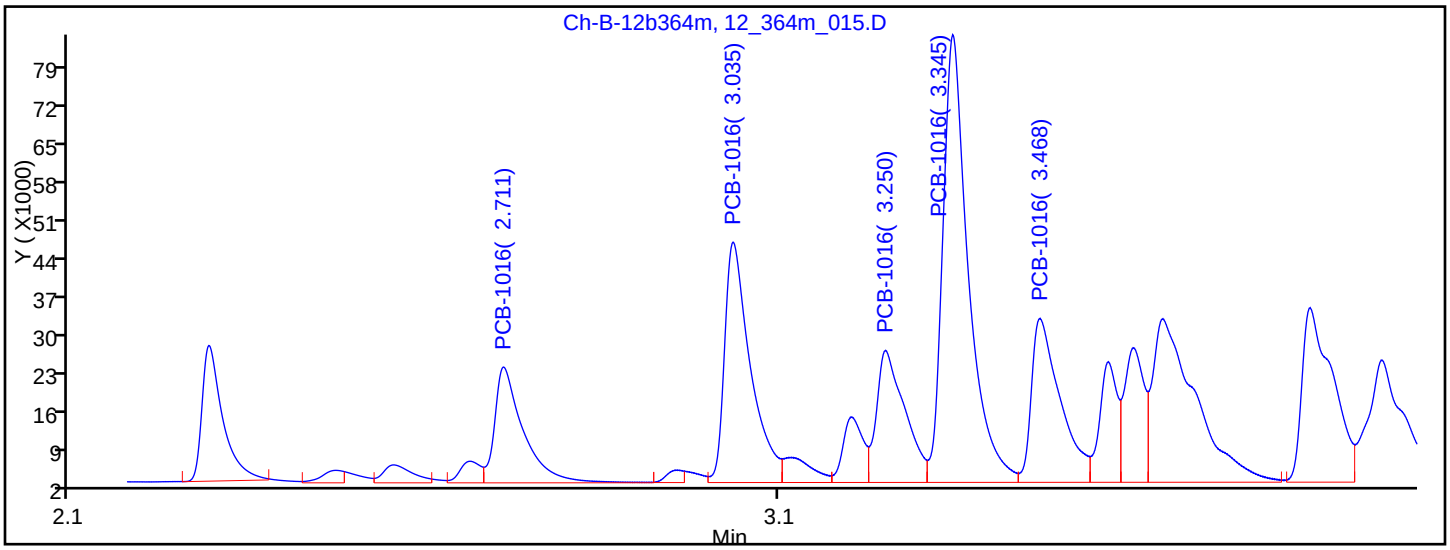
Injection Date:	04-May-2016 17:23:52	Instrument ID:	HP5890-12		
Lims ID:	IC 6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.711	Response = 53180	M
RT = 3.035	Response = 104742	M
RT = 3.250	Response = 61256	M
RT = 3.345	Response = 196150	M
RT = 3.468	Response = 77556	M



Manual Integration Results

RT = 2.711	Response = 58754	M
RT = 3.035	Response = 110607	M
RT = 3.250	Response = 66325	M
RT = 3.345	Response = 204294	M
RT = 3.468	Response = 84305	M

Reviewer: sobolk, 04-May-2016 19:24:32

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 04-May-2016 17:39:14 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:58:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1405777	0.5000	0.5000	
2	1.695	1.695	0.000	1112534	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	37477	0.0125	0.0116	
2	2.296	2.296	0.000	23268	0.0125	0.0123	M
						RPD = 5.53	
9 PCB-1016							M
1	1.901	1.901	0.000	46075	0.5000	0.5129	M
1	2.239	2.239	0.000	50421	0.5000	0.5289	M
1	2.390	2.390	0.000	138815	0.5000	0.5181	M
1	2.458	2.458	0.000	57534	0.5000	0.4966	M
1	2.505	2.505	0.000	37977	0.5000	0.5037	M
		Average of Peak Amounts =				0.5120	
2	2.713	2.713	0.000	29526	0.5000	0.4965	M
2	3.037	3.037	0.000	58190	0.5000	0.4950	M
2	3.251	3.251	0.000	33081	0.5000	0.4936	M
2	3.346	3.346	0.000	99224	0.5000	0.5015	M
2	3.470	3.470	0.000	42168	0.5000	0.5109	M
		Average of Peak Amounts =				0.4995	
						RPD = 2.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	133488	0.5000	0.5297	
1	4.150	4.150	0.000	69979	0.5000	0.4886	
1	4.329	4.329	0.000	65143	0.5000	0.5132	
1	4.522	4.522	0.000	193420	0.5000	0.5012	
1	4.749	4.749	0.000	82375	0.5000	0.4990	
		Average of Peak Amounts =				0.5064	
2	5.239	5.239	0.000	68244	0.5000	0.4964	M
2	5.563	5.563	0.000	56030	0.5000	0.5220	
2	5.631	5.631	0.000	44769	0.5000	0.4921	M
2	5.695	5.695	0.000	157424	0.5000	0.5135	M
2	6.089	6.089	0.000	102229	0.5000	0.5023	M
		Average of Peak Amounts =				0.5052	
						RPD = 0.22	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	60241	0.0125	0.0125	
2	7.444	7.444	0.000	47392	0.0125	0.0127	
						RPD = 1.74	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00003 Amount Added: 0.25 Units: mL

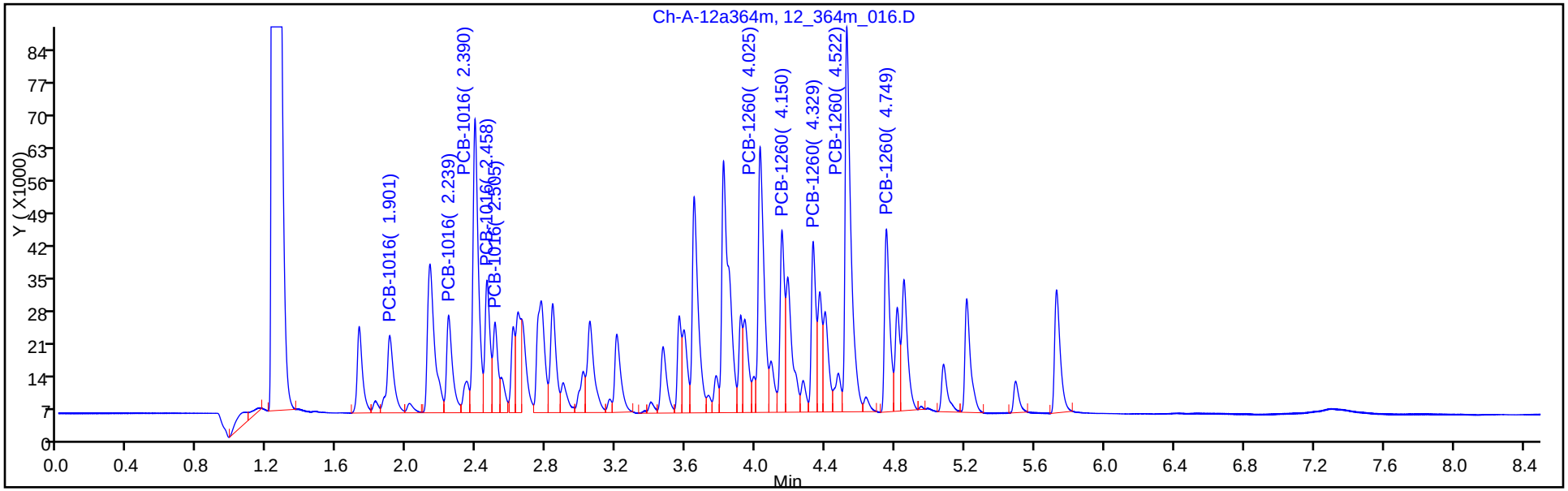
Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

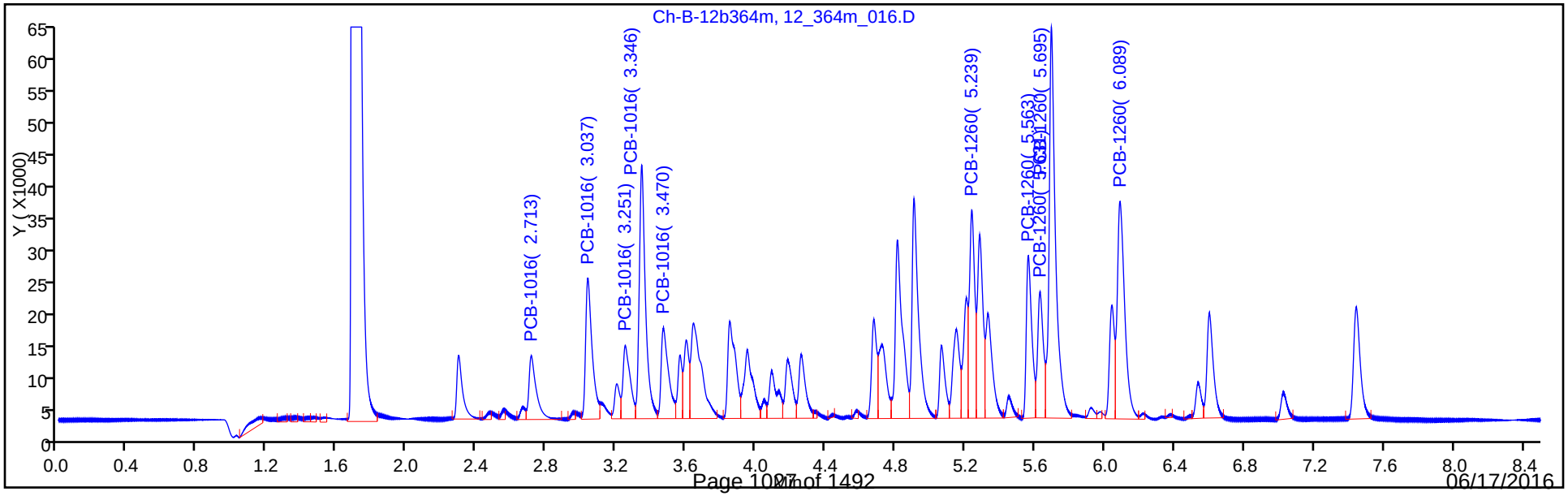
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

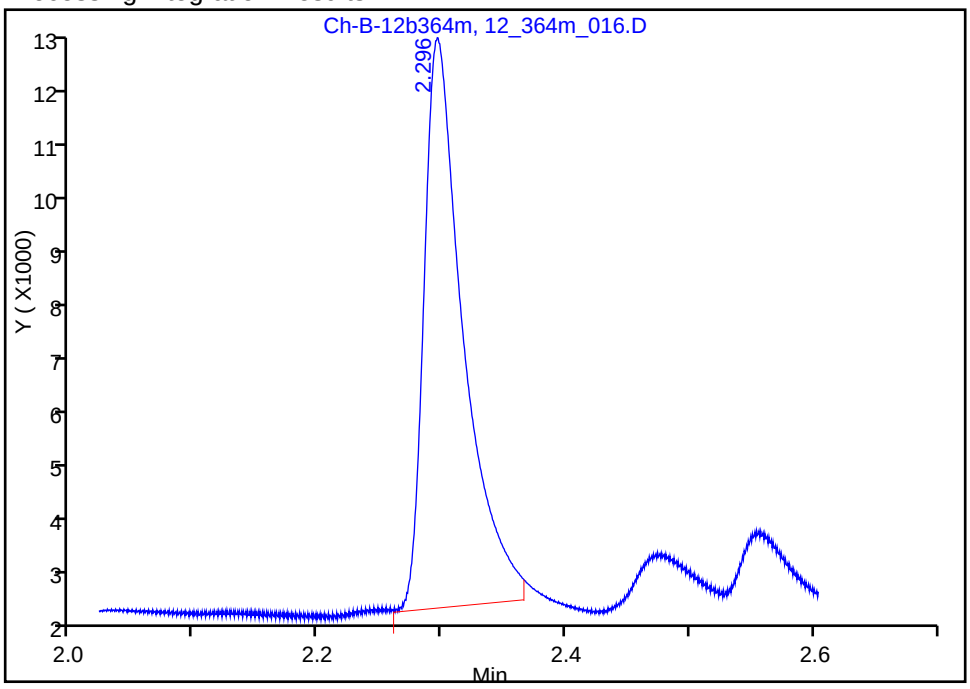
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D				
Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

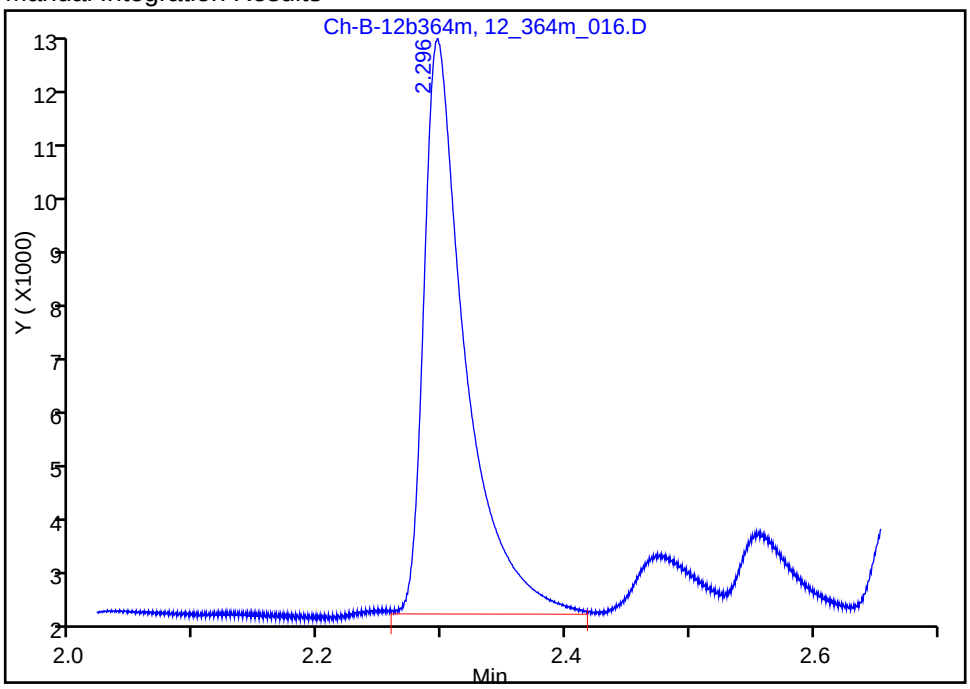
Processing Integration Results

RT: 2.30
Area: 21755
Amount: 0.011407
Amount Units: ng/uL



Manual Integration Results

RT: 2.30
Area: 23268
Amount: 0.012288
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:19:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

Injection Date: 04-May-2016 17:39:14 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

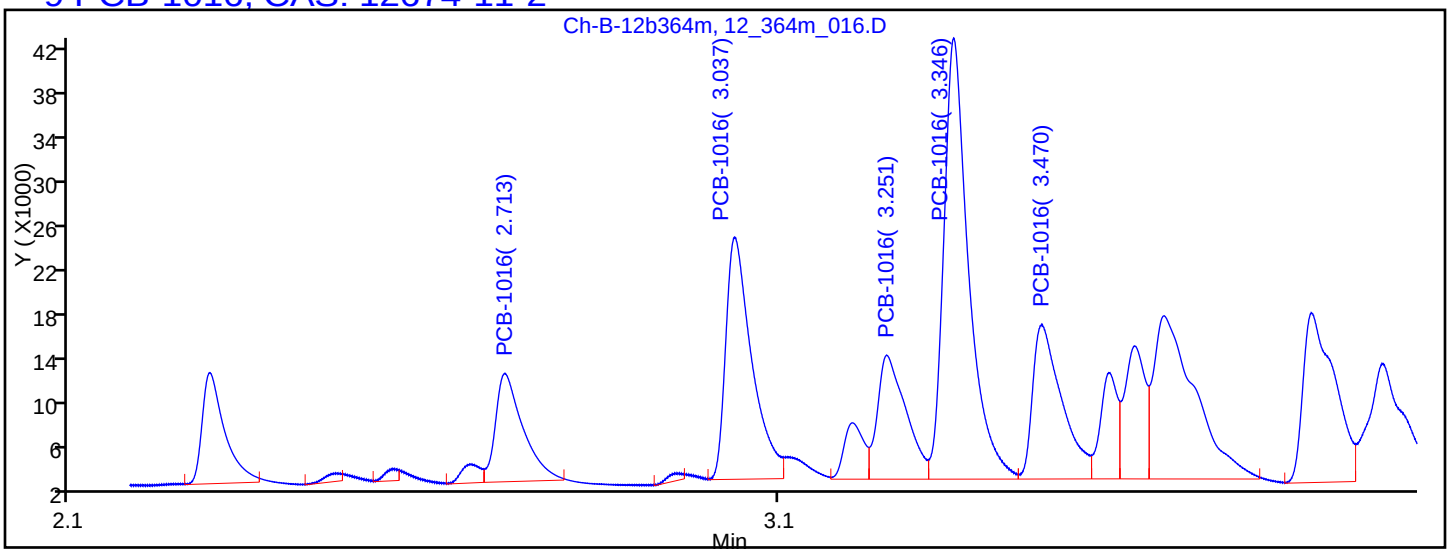
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

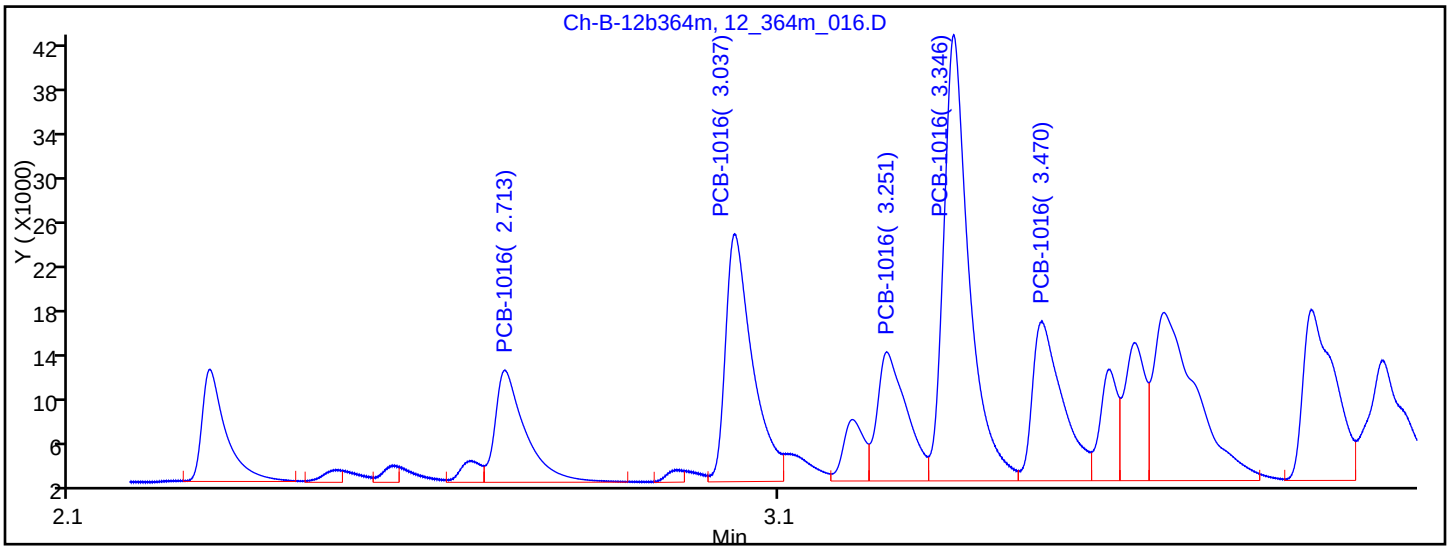
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.713	Response = 25873	M
RT = 3.037	Response = 54933	M
RT = 3.251	Response = 30824	M
RT = 3.346	Response = 95850	M
RT = 3.470	Response = 39391	M



Manual Integration Results

RT = 2.713	Response = 29526	M
RT = 3.037	Response = 58190	M
RT = 3.251	Response = 33081	M
RT = 3.346	Response = 99224	M
RT = 3.470	Response = 42168	M

Reviewer: sobolk, 04-May-2016 17:58:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

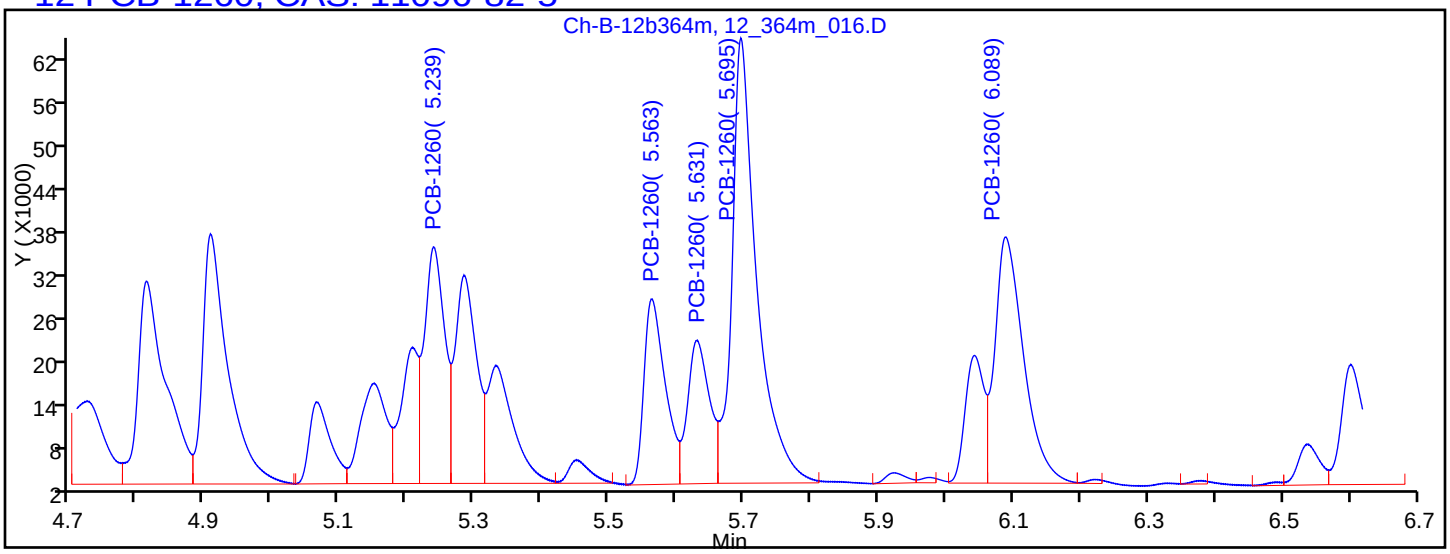
Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

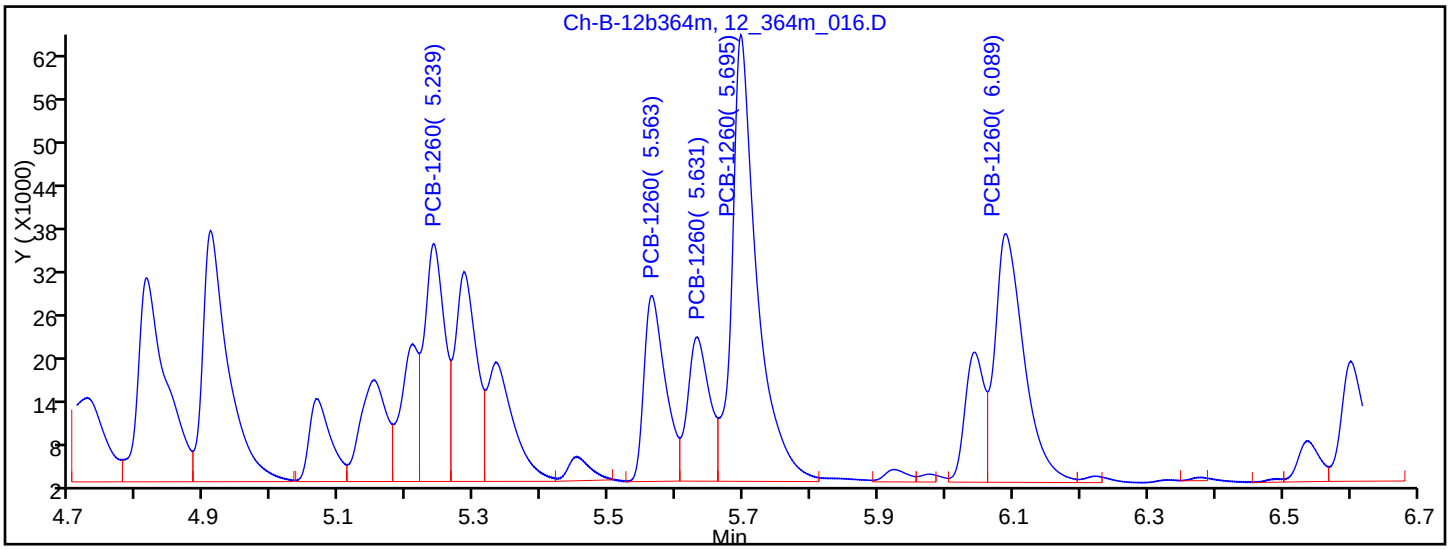
Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.239	Response = 67750	M
RT = 5.563	Response = 56030	
RT = 5.631	Response = 44392	M
RT = 5.695	Response = 155399	M
RT = 6.089	Response = 99476	M



Manual Integration Results

RT = 5.239	Response = 68244	M
RT = 5.563	Response = 56030	
RT = 5.631	Response = 44769	M
RT = 5.695	Response = 157424	M
RT = 6.089	Response = 102229	M

Reviewer: sobolk, 04-May-2016 17:58:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-May-2016 17:54:36 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:22 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:25:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1431303	0.5000	0.5000	
2	1.695	1.695	0.000	1139818	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	15329	0.005000	0.004671	
2	2.295	2.296	-0.001	9178	0.005000	0.004731	M
						RPD = 1.28	
9 PCB-1016							M
1	1.901	1.901	0.000	19723	0.2000	0.2156	M
1	2.239	2.239	0.000	21416	0.2000	0.2207	M
1	2.390	2.390	0.000	56465	0.2000	0.2070	M
1	2.459	2.458	0.001	24661	0.2000	0.2091	M
1	2.503	2.505	-0.002	15792	0.2000	0.2057	M
		Average of Peak Amounts =				0.2116	
2	2.713	2.713	0.000	12182	0.2000	0.2000	M
2	3.037	3.037	0.000	25425	0.2000	0.2111	M
2	3.251	3.251	0.000	13771	0.2000	0.2006	M
2	3.347	3.346	0.001	40779	0.2000	0.2012	M
2	3.471	3.470	0.001	17720	0.2000	0.2095	M
		Average of Peak Amounts =				0.2045	
						RPD = 3.43	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	55584	0.2000	0.2167	
1	4.150	4.150	0.000	31174	0.2000	0.2138	
1	4.329	4.329	0.000	27543	0.2000	0.2131	
1	4.521	4.522	-0.001	79841	0.2000	0.2032	
1	4.749	4.749	0.000	33928	0.2000	0.2019	
		Average of Peak Amounts =				0.2097	
2	5.237	5.239	-0.002	28184	0.2000	0.2001	M
2	5.562	5.563	-0.001	22711	0.2000	0.2065	
2	5.629	5.631	-0.002	17927	0.2000	0.1923	
2	5.695	5.695	0.000	62325	0.2000	0.1984	
2	6.087	6.089	-0.002	39058	0.2000	0.1873	
		Average of Peak Amounts =				0.1969	
						RPD = 6.29	
$ 15 DCB Decachlorobiphenyl							
1	5.724	5.725	-0.001	25037	0.005000	0.005111	
2	7.442	7.444	-0.002	18033	0.005000	0.004732	
						RPD = 7.71	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00003 Amount Added: 0.25 Units: mL

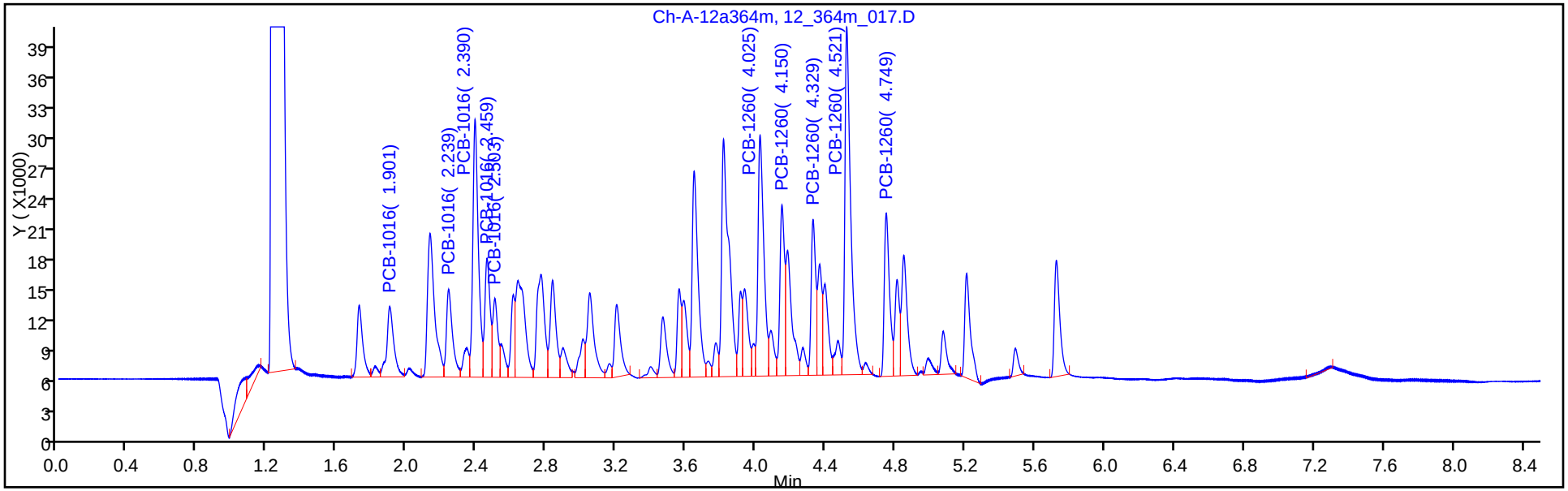
Report Date: 05-May-2016 16:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

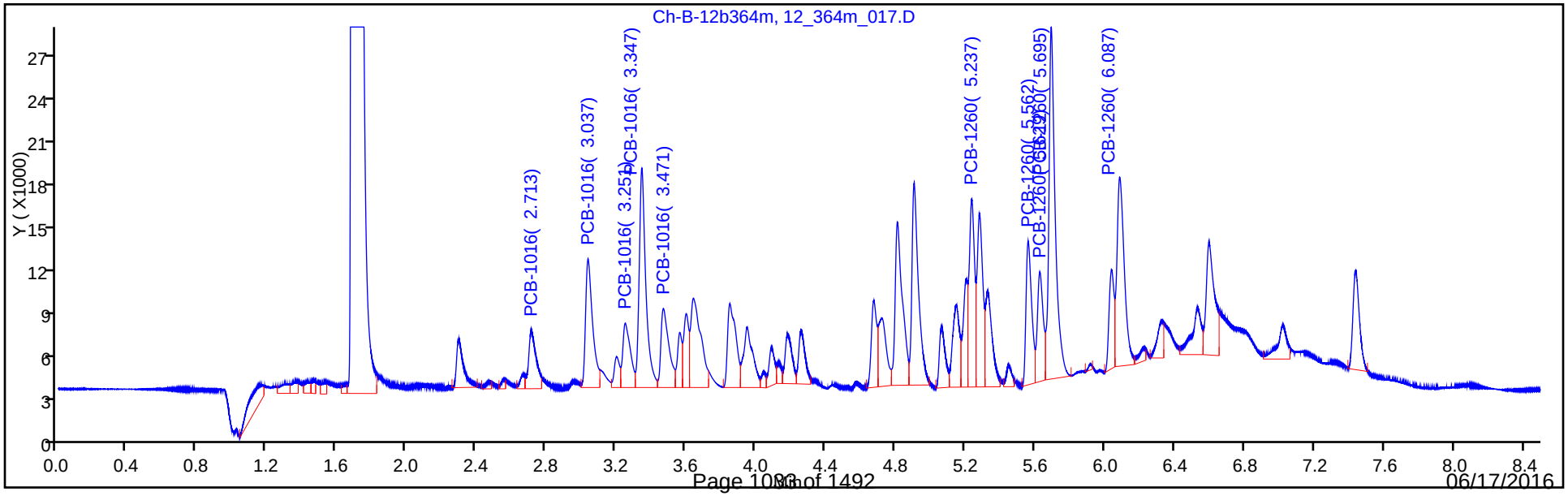
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

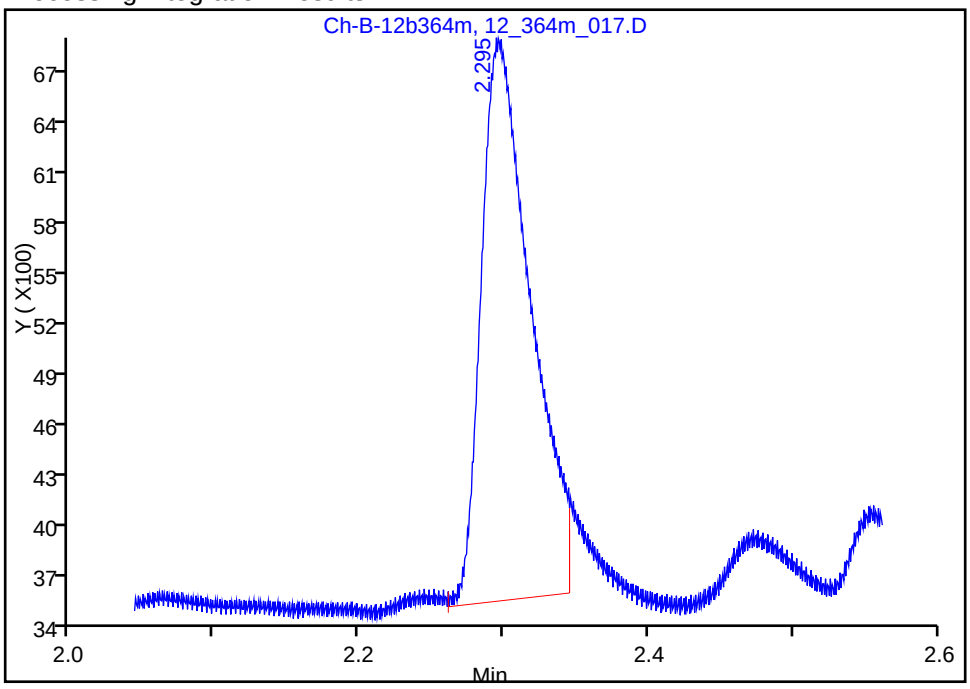
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D				
Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

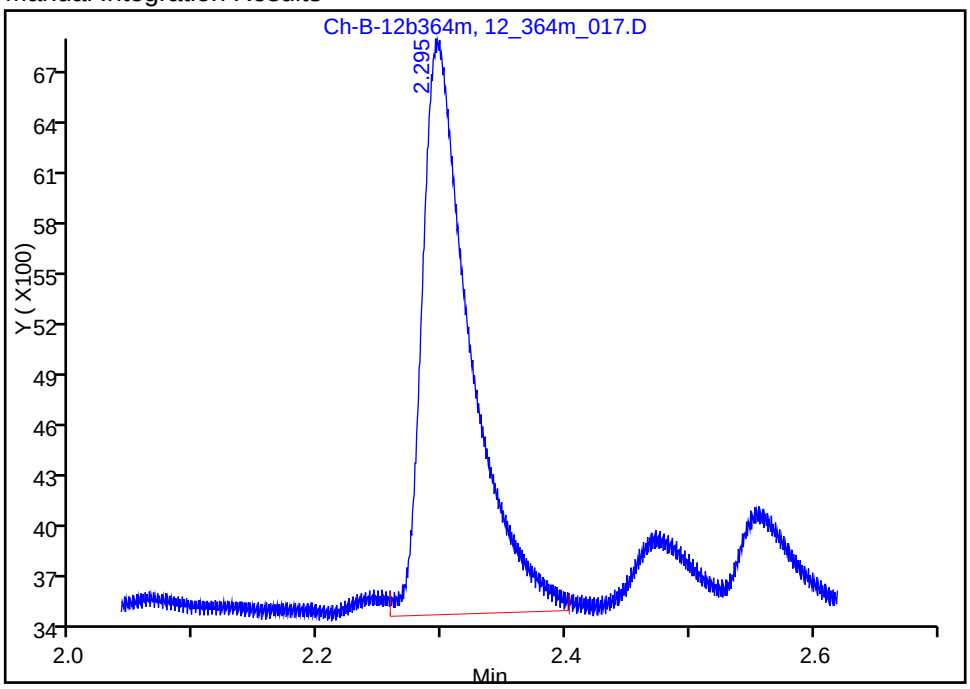
Processing Integration Results

RT: 2.29
Area: 7860
Amount: 0.004424
Amount Units: ng/uL



Manual Integration Results

RT: 2.29
Area: 9178
Amount: 0.004731
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:19:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

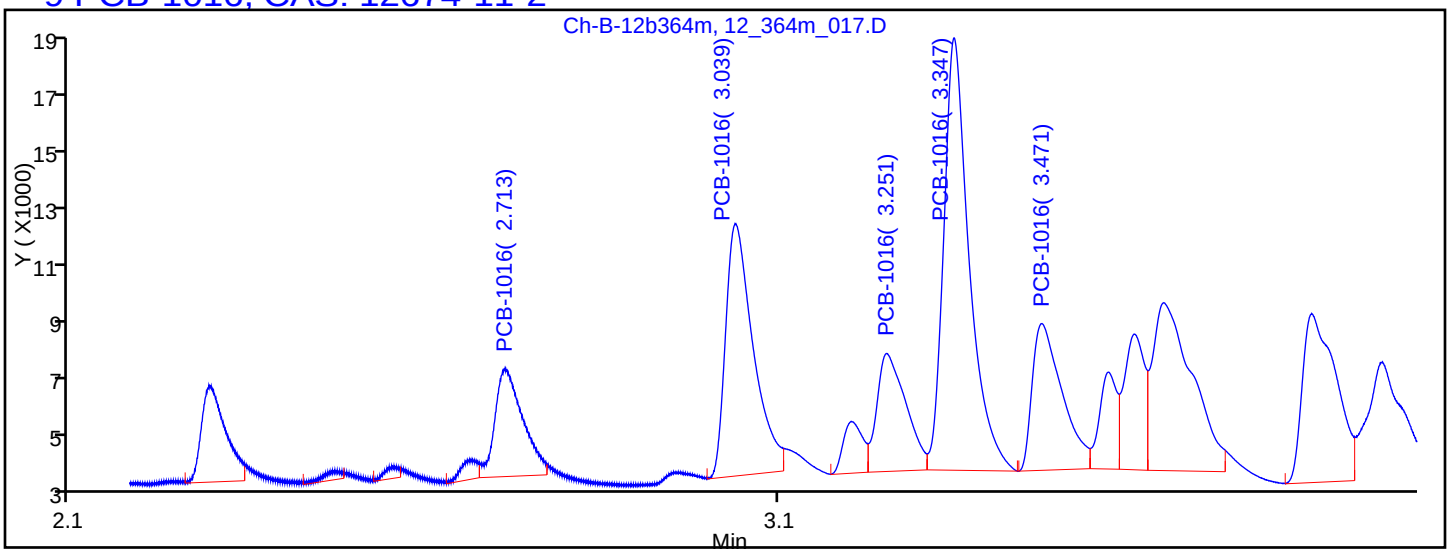
Report Date: 05-May-2016 16:32:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

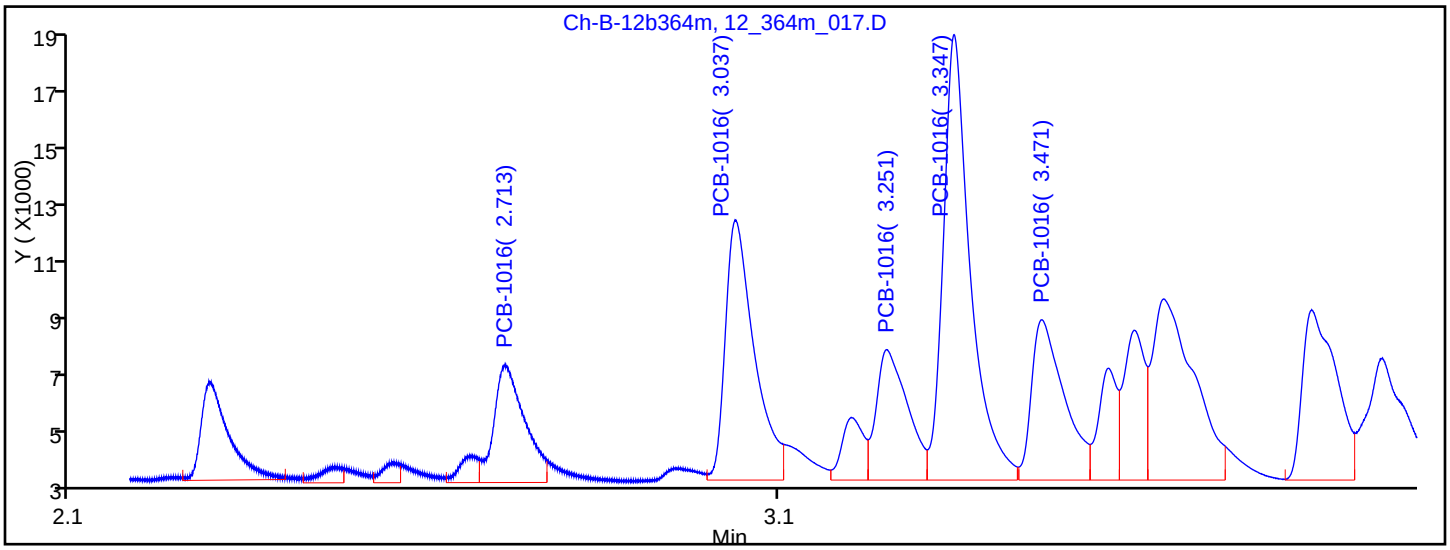
Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.713	Response = 10148	M
RT = 3.039	Response = 23384	M
RT = 3.251	Response = 11521	M
RT = 3.347	Response = 37200	M
RT = 3.471	Response = 14767	M



Manual Integration Results

RT = 2.713	Response = 12182	M
RT = 3.037	Response = 25425	M
RT = 3.251	Response = 13771	M
RT = 3.347	Response = 40779	M
RT = 3.471	Response = 17720	M

Reviewer: sobolk, 04-May-2016 18:25:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 05-May-2016 16:32:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

Injection Date: 04-May-2016 17:54:36 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

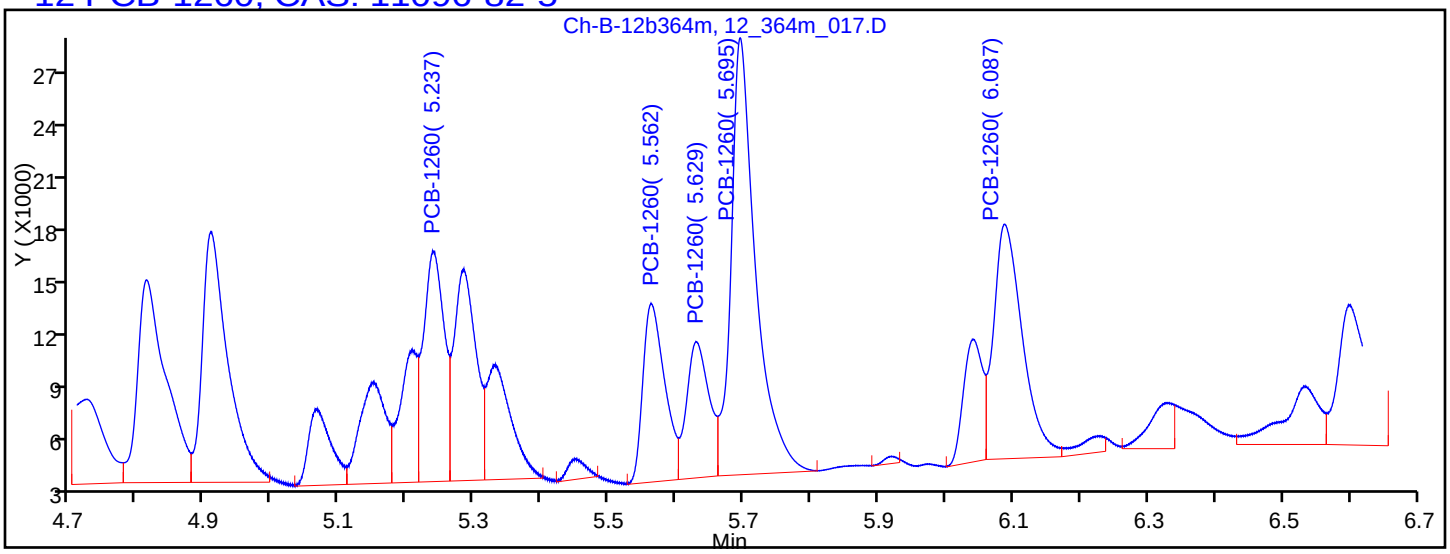
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

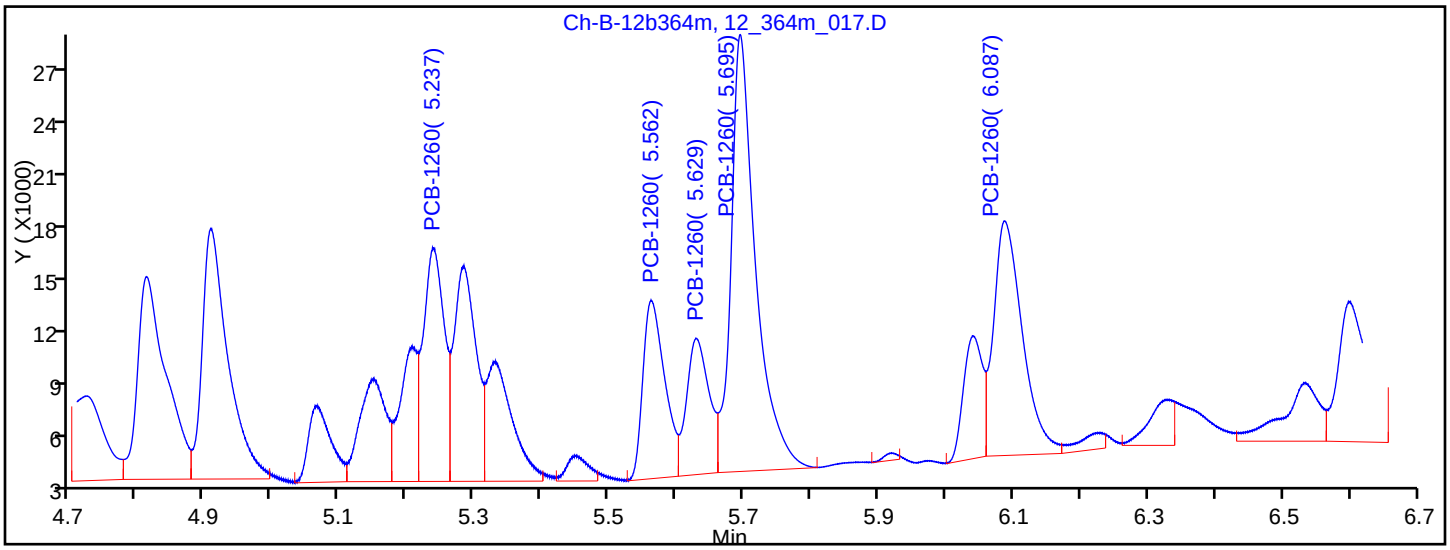
RT = 5.237 Response = 27691 M

RT = 5.562 Response = 22711

RT = 5.629 Response = 17927

RT = 5.695 Response = 62325

RT = 6.087 Response = 39058



Manual Integration Results

RT = 5.237 Response = 28184 M

RT = 5.562 Response = 22711

RT = 5.629 Response = 17927

RT = 5.695 Response = 62325

RT = 6.087 Response = 39058

Reviewer: sobolk, 04-May-2016 18:25:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-May-2016 18:10:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:30 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:26:53

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1403968	0.5000	0.5000	
2	1.695	1.695	0.000	1114603	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	7983	0.002500	0.002480	
2	2.298	2.296	0.002	4699	0.002500	0.002477	M
						RPD = 0.11	
9 PCB-1016							M
1	1.902	1.901	0.001	8391	0.1000	0.0935	
1	2.239	2.239	0.000	9502	0.1000	0.0998	M
1	2.392	2.390	0.002	25919	0.1000	0.0969	M
1	2.459	2.458	0.001	11615	0.1000	0.1004	M
1	2.504	2.505	-0.001	8458	0.1000	0.1123	M
		Average of Peak Amounts =				0.1006	
2	2.712	2.713	-0.001	5974	0.1000	0.1003	M
2	3.039	3.037	0.002	12633	0.1000	0.1073	M
2	3.251	3.251	0.000	6961	0.1000	0.1037	M
2	3.348	3.346	0.002	20211	0.1000	0.1020	M
2	3.469	3.470	-0.001	8299	0.1000	0.1004	M
		Average of Peak Amounts =				0.1027	
						RPD = 2.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.026	4.025	0.001	26961	0.1000	0.1071	M
1	4.151	4.150	0.001	15860	0.1000	0.1109	M
1	4.329	4.329	0.000	13951	0.1000	0.1101	M
1	4.523	4.522	0.001	39901	0.1000	0.1035	M
1	4.750	4.749	0.001	16582	0.1000	0.1006	
		Average of Peak Amounts =				0.1064	
2	5.239	5.239	0.000	14033	0.1000	0.1019	M
2	5.563	5.563	0.000	11641	0.1000	0.1082	M
2	5.630	5.631	-0.001	9306	0.1000	0.1021	M
2	5.695	5.695	0.000	31672	0.1000	0.1031	M
2	6.089	6.089	0.000	19081	0.1000	0.0936	
		Average of Peak Amounts =				0.1018	
						RPD = 4.47	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	12184	0.002500	0.002536	
2	7.442	7.444	-0.002	9108	0.002500	0.002444	
						RPD = 3.68	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00004 Amount Added: 0.25 Units: mL

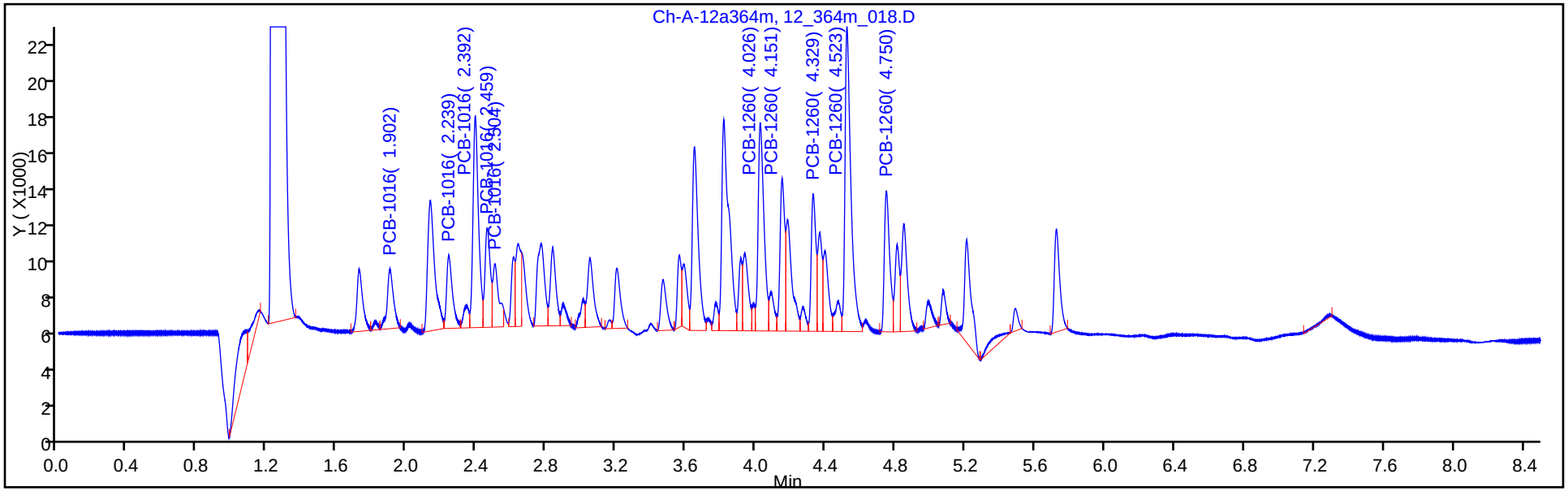
Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

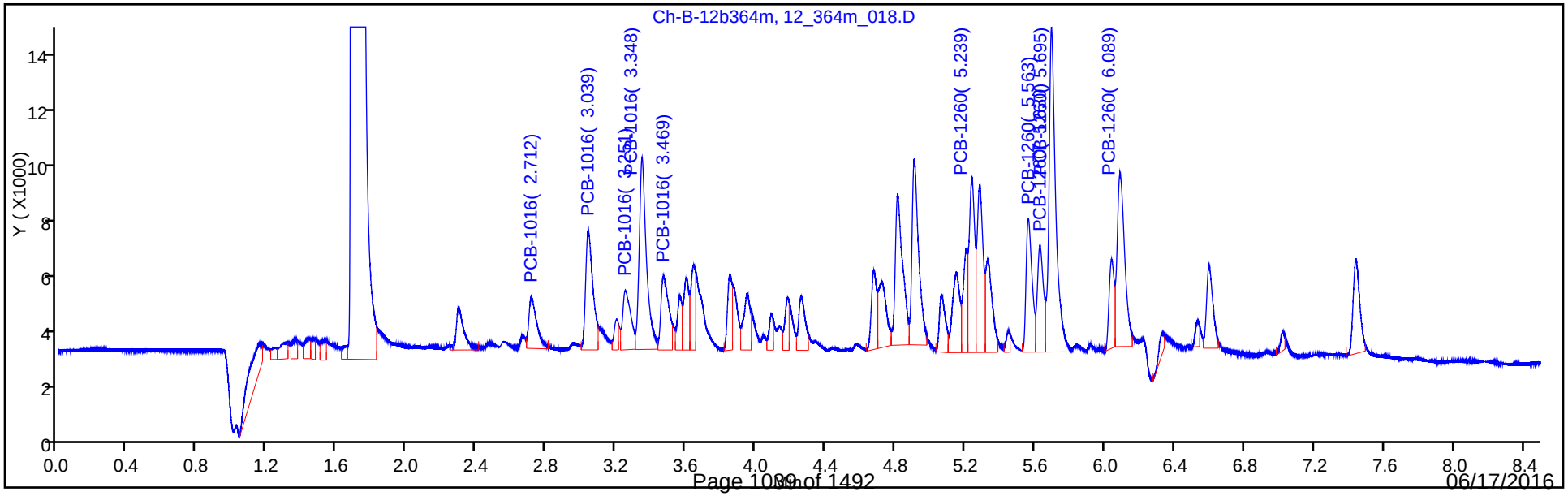
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

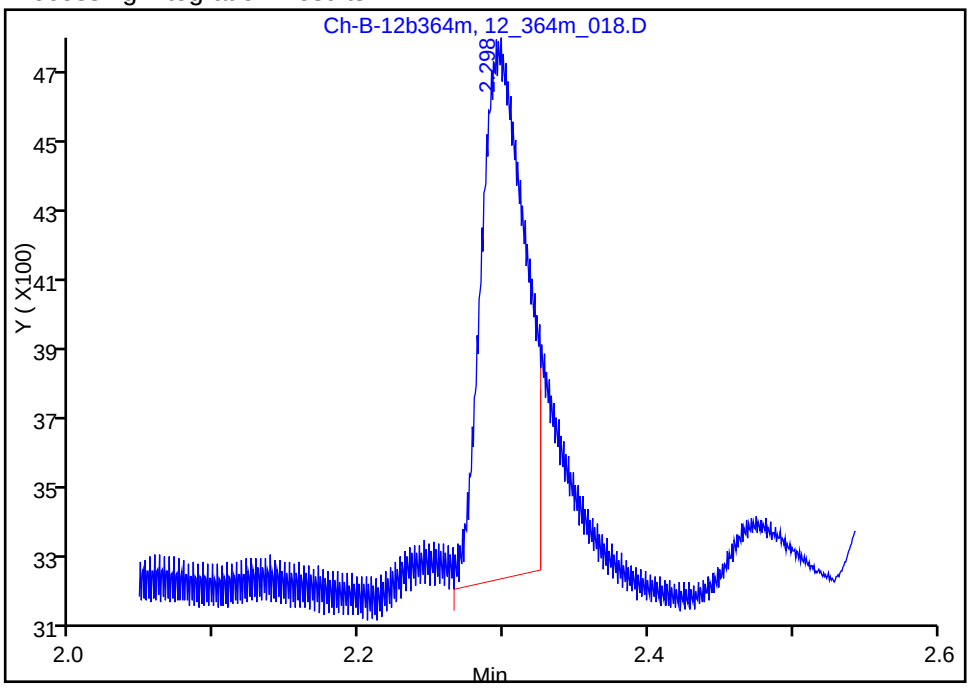
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D				
Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

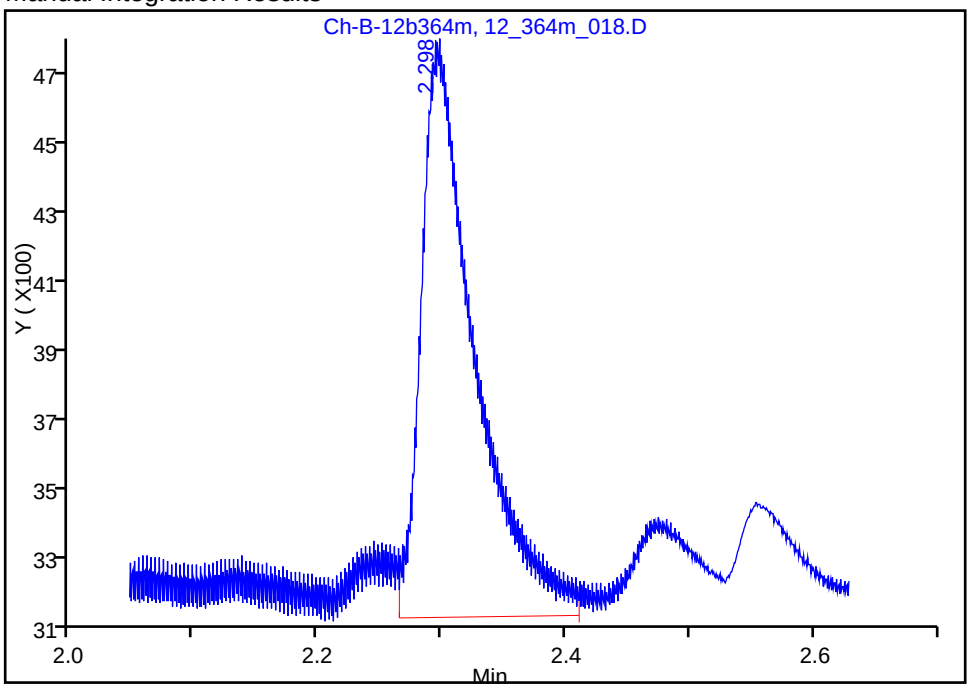
Processing Integration Results

RT: 2.30
Area: 3070
Amount: 0.001732
Amount Units: ng/uL



Manual Integration Results

RT: 2.30
Area: 4699
Amount: 0.002477
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:20:04

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

Injection Date: 04-May-2016 18:10:00 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

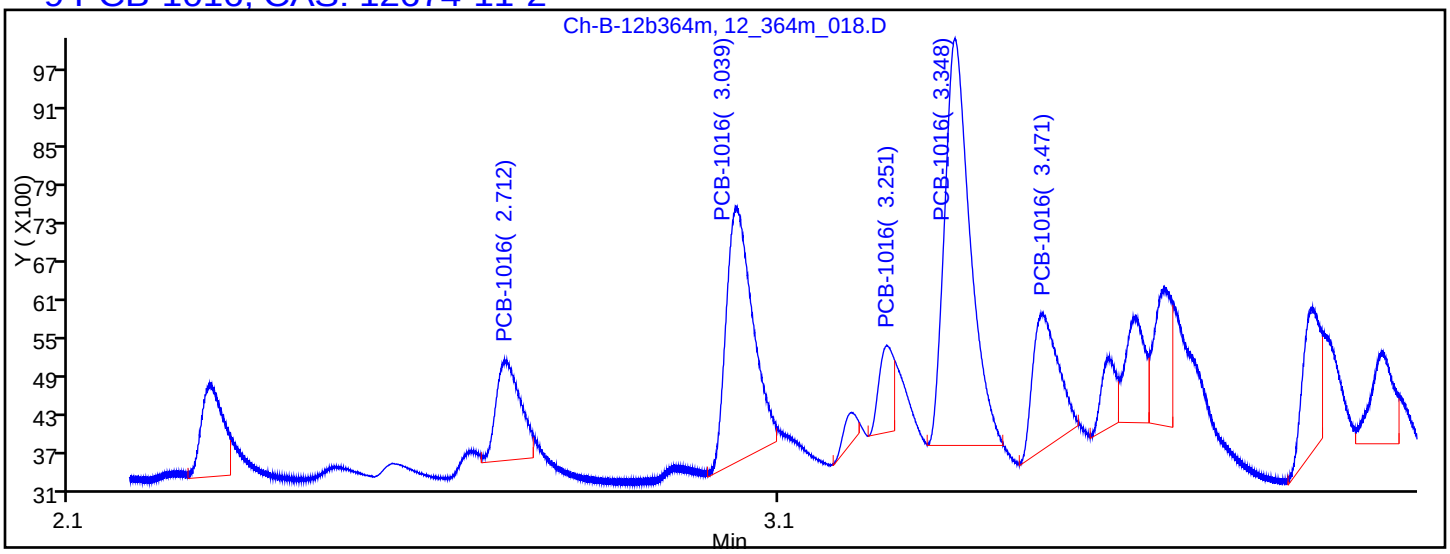
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

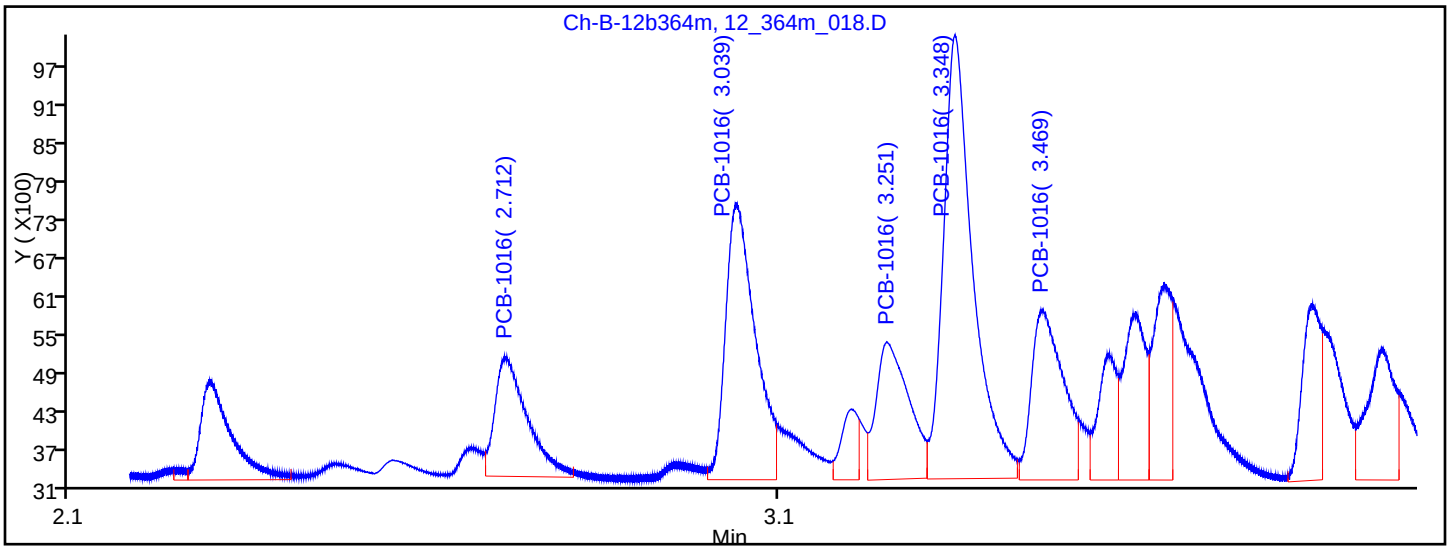
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.712	Response = 3776	M
RT = 3.039	Response = 10460	M
RT = 3.251	Response = 1881	M
RT = 3.348	Response = 16034	M
RT = 3.471	Response = 5342	M



Manual Integration Results

RT = 2.712	Response = 5974	M
RT = 3.039	Response = 12633	M
RT = 3.251	Response = 6961	M
RT = 3.348	Response = 20211	M
RT = 3.469	Response = 8299	M

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

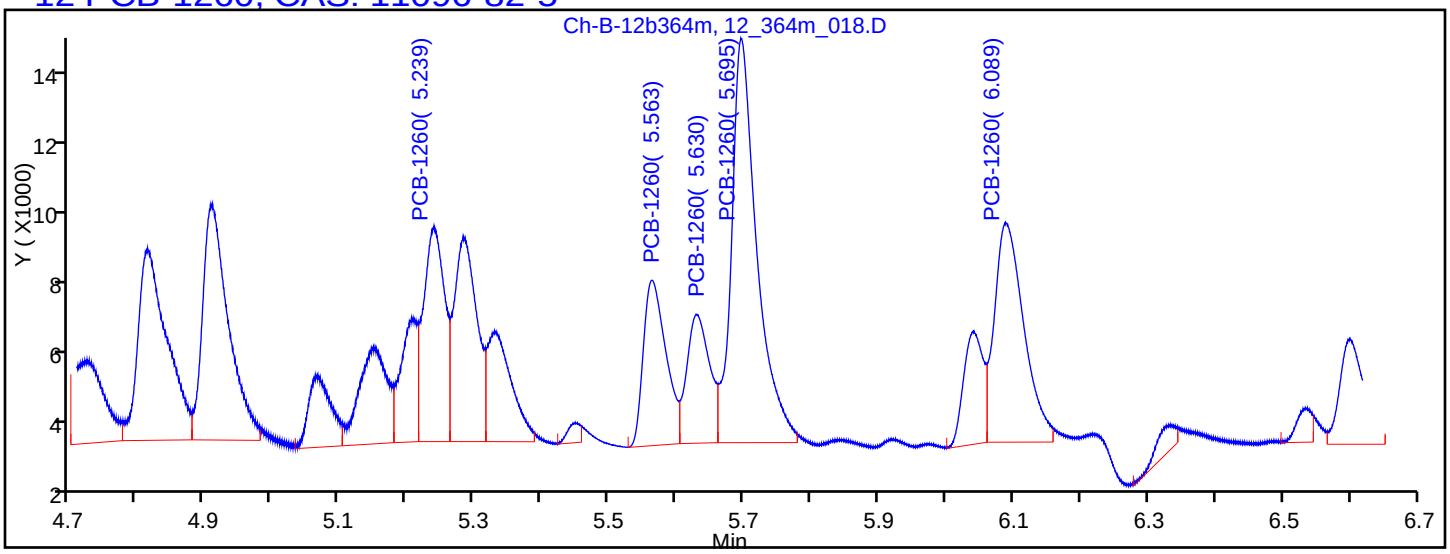
Report Date: 05-May-2016 16:32:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

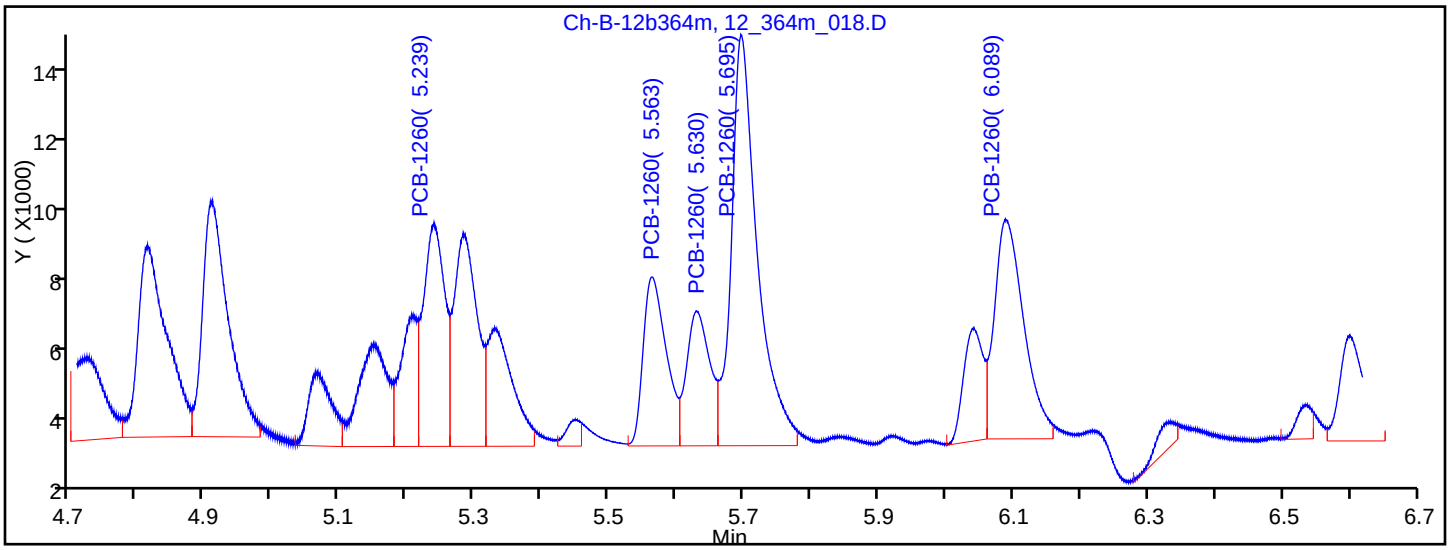
Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.239	Response = 13384	M
RT = 5.563	Response = 11153	M
RT = 5.630	Response = 8725	M
RT = 5.695	Response = 30387	M
RT = 6.089	Response = 19081	



Manual Integration Results

RT = 5.239	Response = 14033	M
RT = 5.563	Response = 11641	M
RT = 5.630	Response = 9306	M
RT = 5.695	Response = 31672	M
RT = 6.089	Response = 19081	

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 18:25:21 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:09:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1444487	0.5000	0.5000	
2	1.694	1.695	-0.001	1150810	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	3828	0.001250	0.001156	M
2	2.297	2.296	0.001	2093	0.001250	0.001069	M
						RPD = 7.84	
9 PCB-1016							M
1	1.901	1.901	0.000	4054	0.0500	0.0439	
1	2.239	2.239	0.000	4683	0.0500	0.0478	M
1	2.391	2.390	0.001	13135	0.0500	0.0477	M
1	2.458	2.458	0.000	5641	0.0500	0.0474	M
1	2.505	2.505	0.000	3531	0.0500	0.0456	M
		Average of Peak Amounts =				0.0465	
2	2.714	2.713	0.001	2987	0.0500	0.0486	M
2	3.039	3.037	0.002	6161	0.0500	0.0507	M
2	3.252	3.251	0.001	3901	0.0500	0.0563	M
2	3.347	3.346	0.001	10102	0.0500	0.0494	M
2	3.469	3.470	-0.001	4478	0.0500	0.0524	M
		Average of Peak Amounts =				0.0515	
						RPD = 10.17	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	12728	0.0500	0.0492	M
1	4.150	4.150	0.000	7824	0.0500	0.0532	M
1	4.329	4.329	0.000	6669	0.0500	0.0511	
1	4.523	4.522	0.001	19046	0.0500	0.0480	
1	4.749	4.749	0.000	8438	0.0500	0.0497	
		Average of Peak Amounts =				0.0502	
2	5.241	5.239	0.002	7434	0.0500	0.0523	M
2	5.565	5.563	0.002	5580	0.0500	0.0503	
2	5.629	5.631	-0.002	4967	0.0500	0.0528	M
2	5.697	5.695	0.002	15993	0.0500	0.0504	M
2	6.087	6.089	-0.002	10636	0.0500	0.0505	M
		Average of Peak Amounts =				0.0513	
						RPD = 1.98	
$ 15 DCB Decachlorobiphenyl							M
1	5.724	5.725	-0.001	5974	0.001250	0.001208	
2	7.442	7.444	-0.002	5266	0.001250	0.001369	M
						RPD = 12.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00003 Amount Added: 0.25 Units: mL

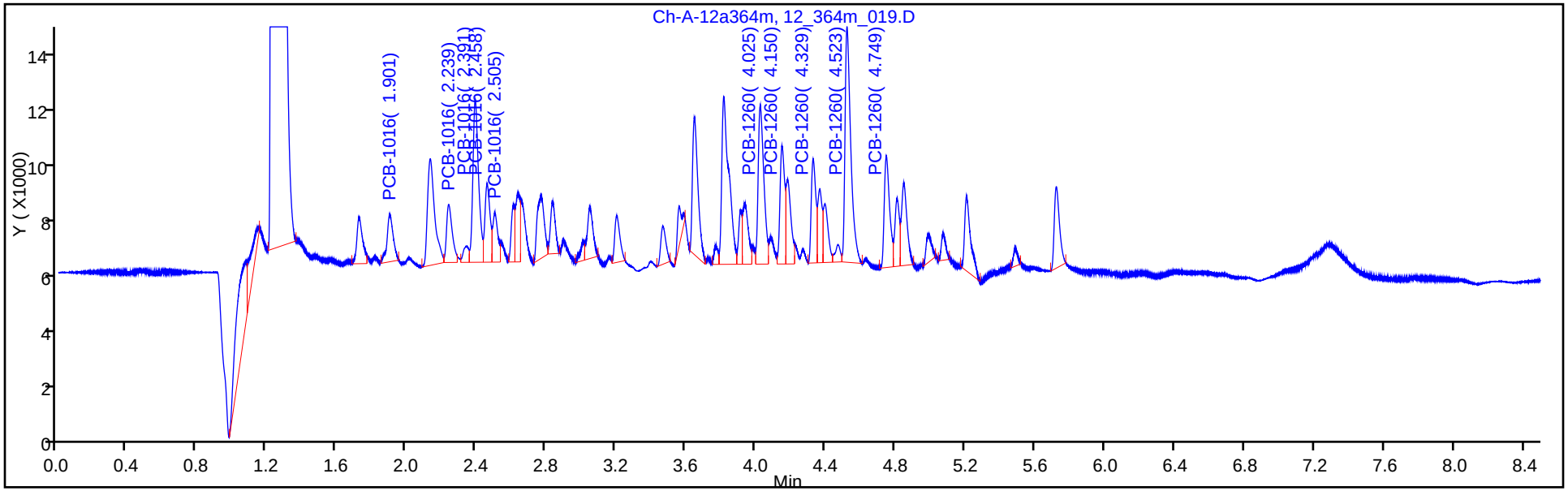
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

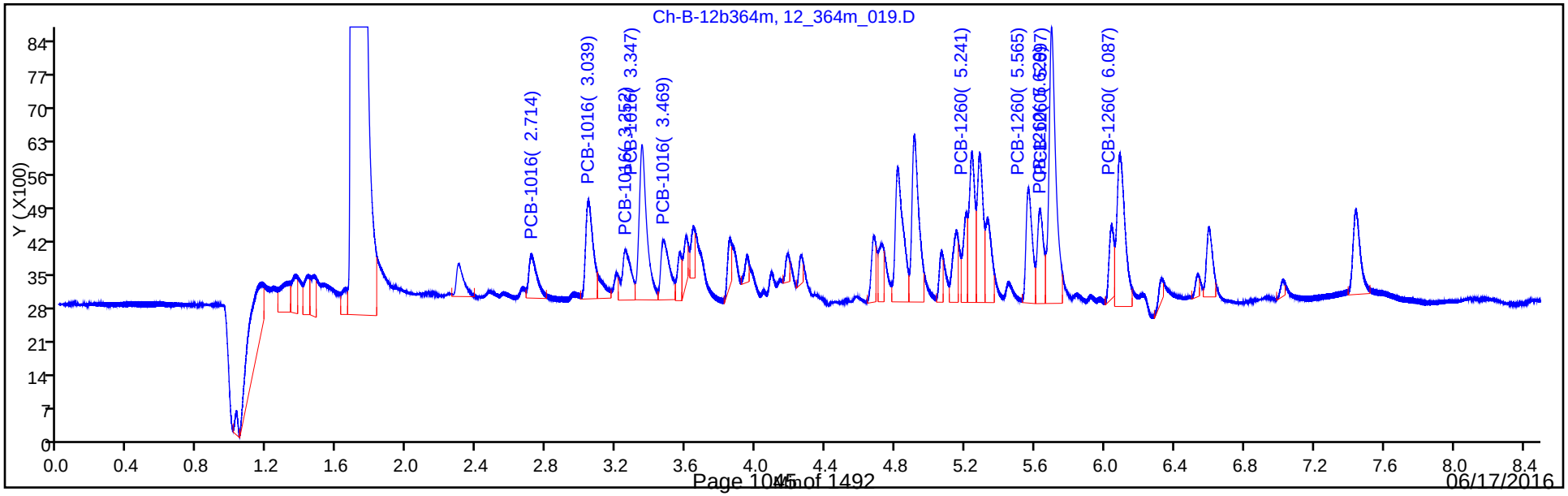
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

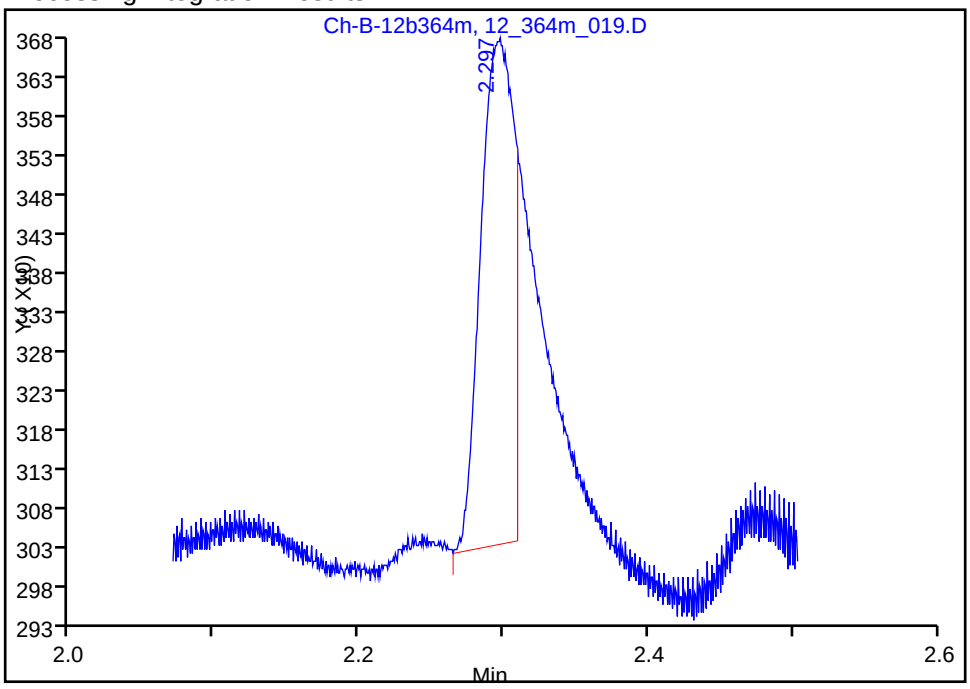
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Injection Date: 04-May-2016 18:25:21 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

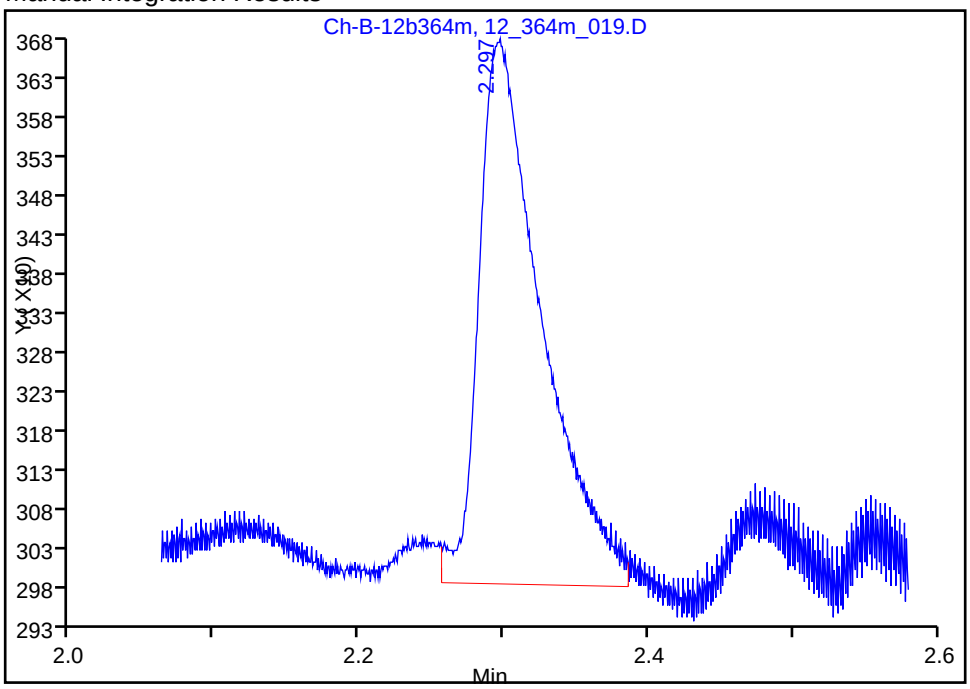
Processing Integration Results

RT: 2.30
Area: 1009
Amount: 0.000566
Amount Units: ng/uL



Manual Integration Results

RT: 2.30
Area: 2093
Amount: 0.001069
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:09:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

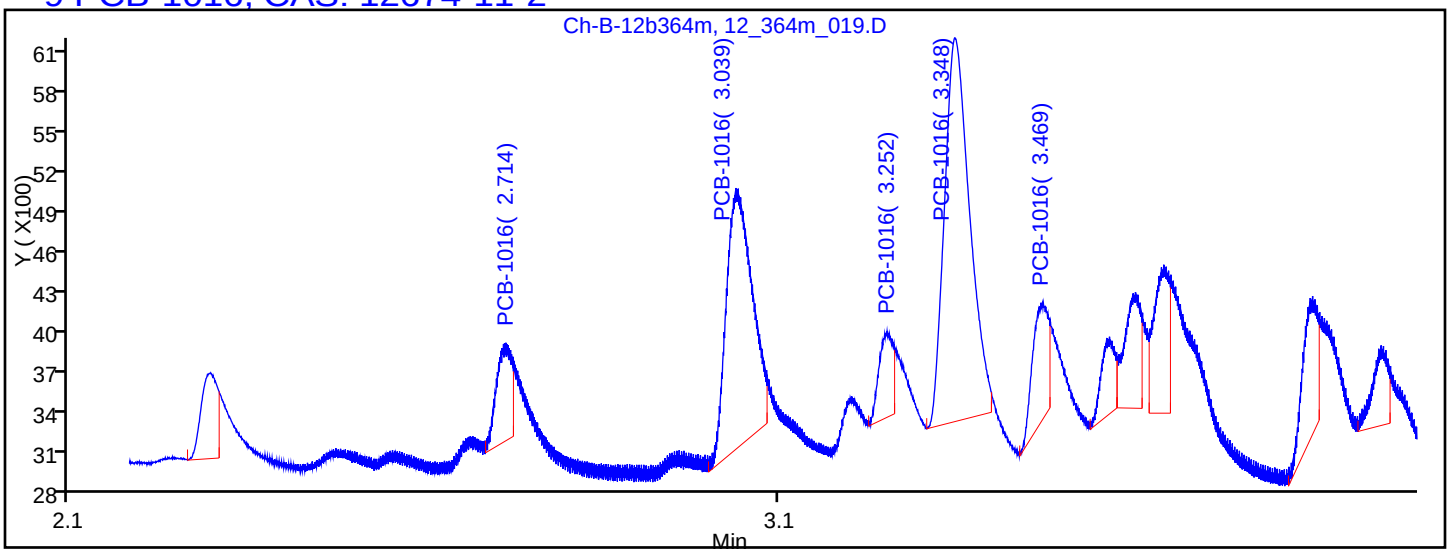
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

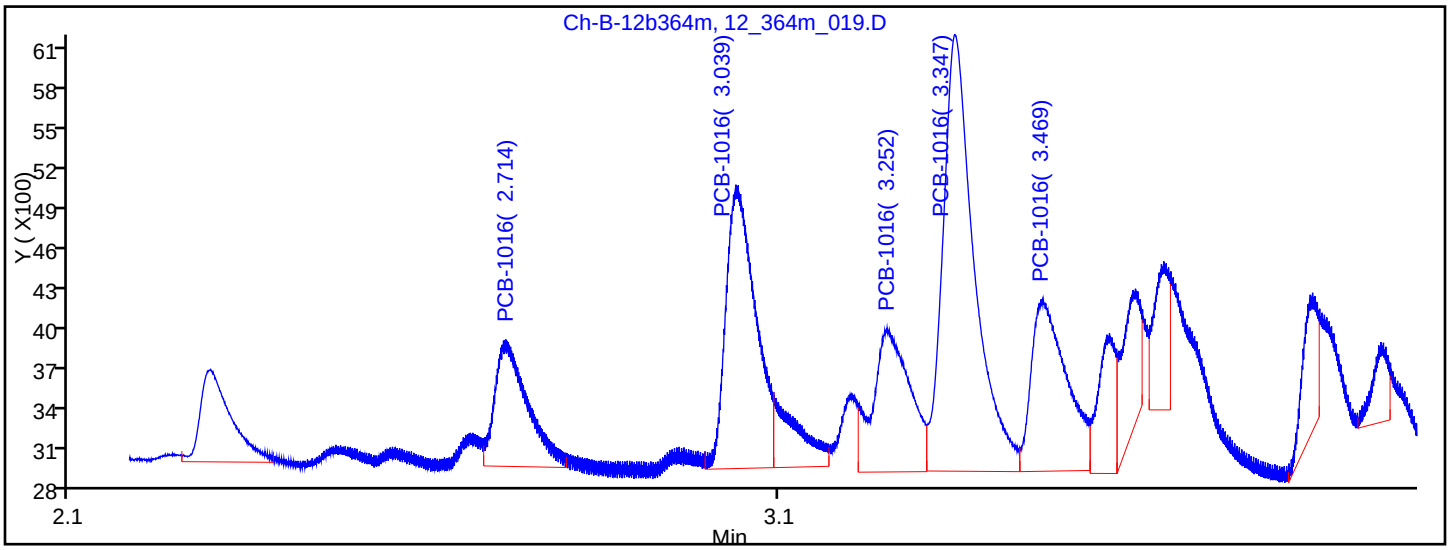
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.714	Response = 1078	M
RT = 3.039	Response = 4914	M
RT = 3.252	Response = 877	M
RT = 3.348	Response = 7112	M
RT = 3.469	Response = 1375	M



Manual Integration Results

RT = 2.714	Response = 2987	M
RT = 3.039	Response = 6161	M
RT = 3.252	Response = 3901	M
RT = 3.347	Response = 10102	M
RT = 3.469	Response = 4478	M

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

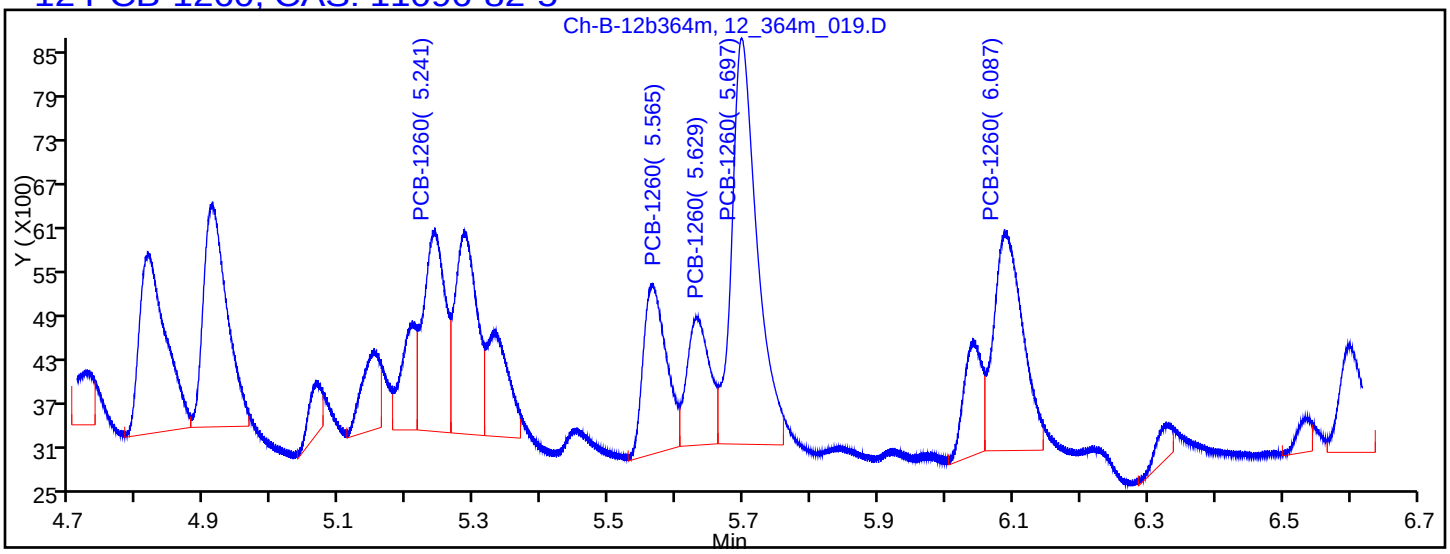
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

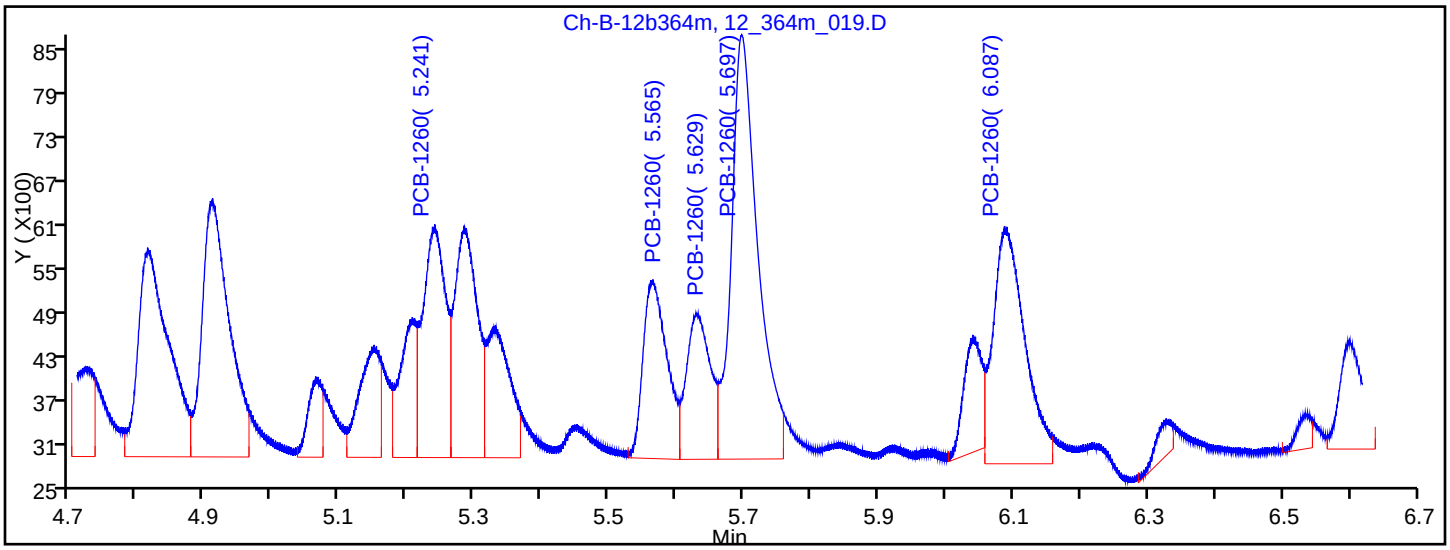
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.241	Response = 6220	M
RT = 5.565	Response = 5580	
RT = 5.629	Response = 4149	M
RT = 5.697	Response = 14550	M
RT = 6.087	Response = 9070	M



Manual Integration Results

RT = 5.241	Response = 7434	M
RT = 5.565	Response = 5580	
RT = 5.629	Response = 4967	M
RT = 5.697	Response = 15993	M
RT = 6.087	Response = 10636	M

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

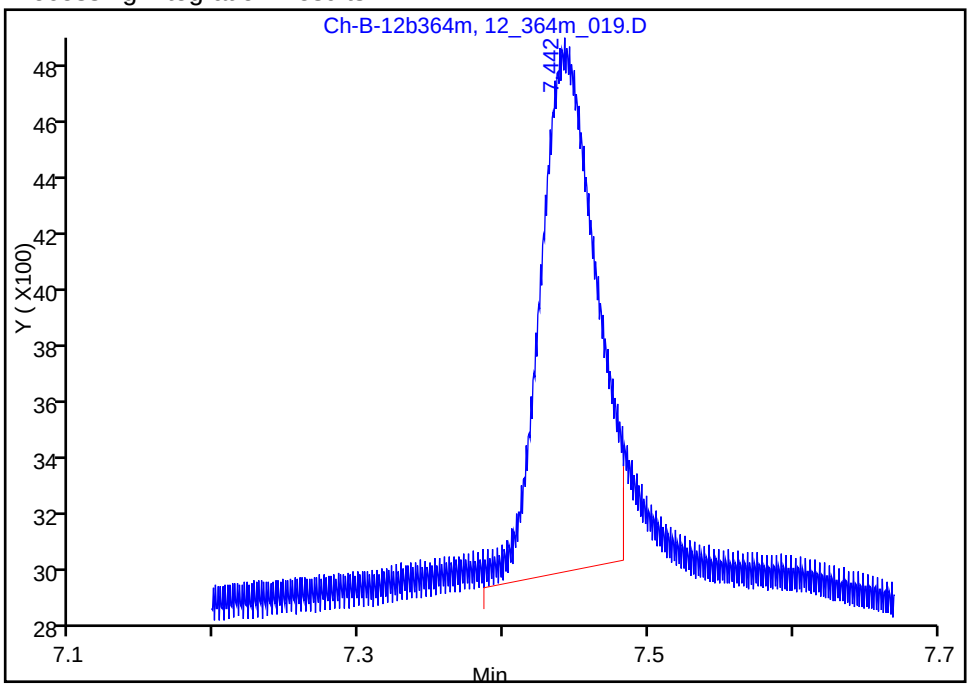
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Injection Date: 04-May-2016 18:25:21 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

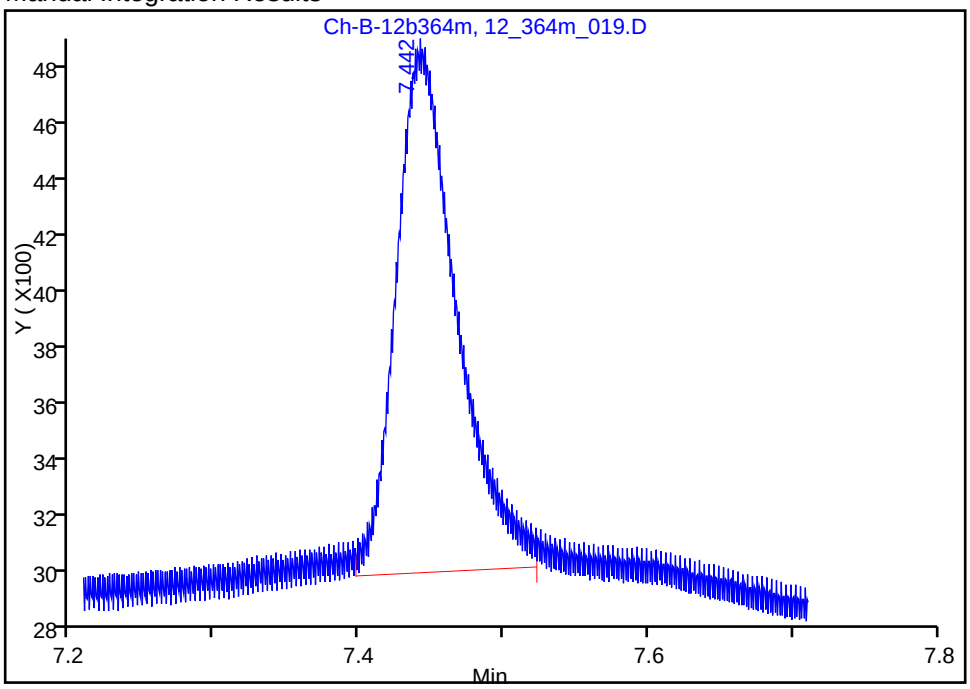
Processing Integration Results

RT: 7.44
Area: 4689
Amount: 0.001329
Amount Units: ng/uL



Manual Integration Results

RT: 7.44
Area: 5266
Amount: 0.001369
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:09:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-May-2016 18:40:41 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:52 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:14:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1428091	0.5000	0.5000	
2	1.694	1.694	0.000	1134052	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.723	1.723	0.000	1897	0.000500	0.000579	M
2	2.295	2.295	0.000	982	0.000500	0.000509	M
						RPD = 12.97	
9 PCB-1016							M
1	1.901	1.901	0.000	2089	0.0200	0.0229	M
1	2.239	2.239	0.000	1688	0.0200	0.0174	M
1	2.391	2.391	0.000	5179	0.0200	0.0190	M
1	2.459	2.459	0.000	2510	0.0200	0.0213	M
1	2.501	2.501	0.000	1267	0.0200	0.0165	M
		Average of Peak Amounts =				0.0194	
2	2.714	2.714	0.000	1423	0.0200	0.0235	M
2	3.038	3.038	0.000	2571	0.0200	0.0215	M
2	3.250	3.250	0.000	1268	0.0200	0.0186	M
2	3.347	3.347	0.000	3969	0.0200	0.0197	M
2	3.469	3.469	0.000	1512	0.0200	0.0180	M
		Average of Peak Amounts =				0.0202	
						RPD = 3.96	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	4236	0.0200	0.0165	
1	4.150	4.150	0.000	2994	0.0200	0.0206	M
1	4.329	4.329	0.000	2255	0.0200	0.0175	
1	4.522	4.522	0.000	8227	0.0200	0.0210	M
1	4.749	4.749	0.000	3419	0.0200	0.0204	
		Average of Peak Amounts =				0.0192	
2	5.241	5.241	0.000	2930	0.0200	0.0209	M
2	5.564	5.564	0.000	1824	0.0200	0.0167	M
2	5.627	5.627	0.000	2016	0.0200	0.0217	M
2	5.696	5.696	0.000	5952	0.0200	0.0190	M
2	6.089	6.089	0.000	4661	0.0200	0.0225	M
		Average of Peak Amounts =				0.0202	
						RPD = 4.92	
$ 15 DCB Decachlorobiphenyl							M
1	5.723	5.723	0.000	2654	0.000500	0.000543	M
2	7.437	7.437	0.000	1904	0.000500	0.000502	M
						RPD = 7.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00003 Amount Added: 0.25 Units: mL

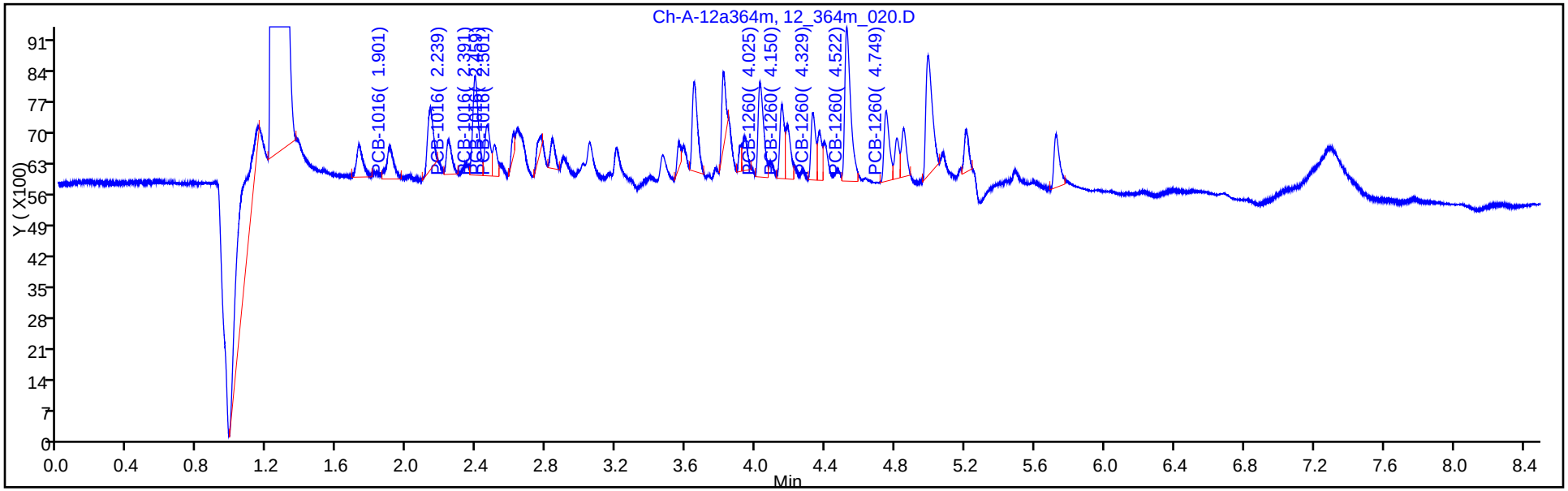
Report Date: 05-May-2016 16:32:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

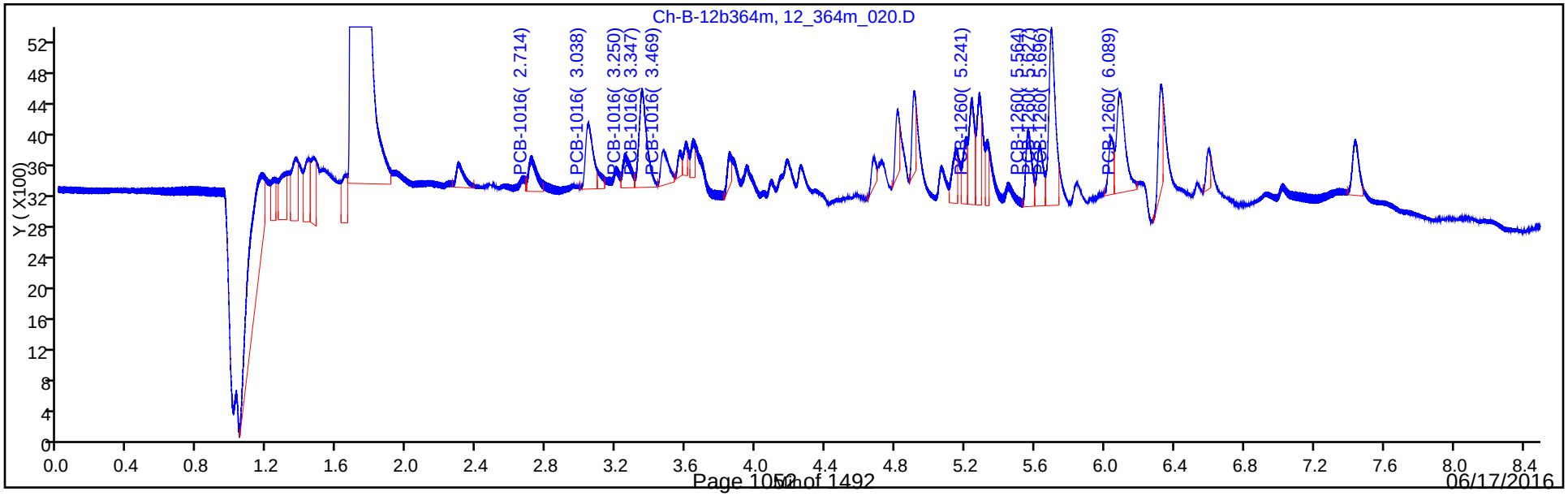
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date:	04-May-2016 18:40:41	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

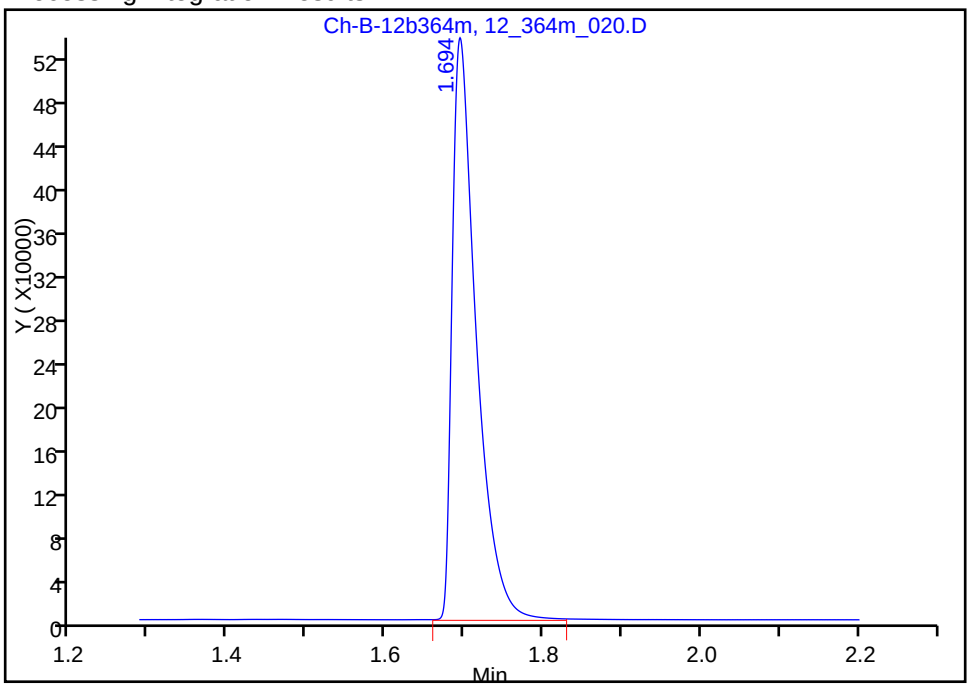
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

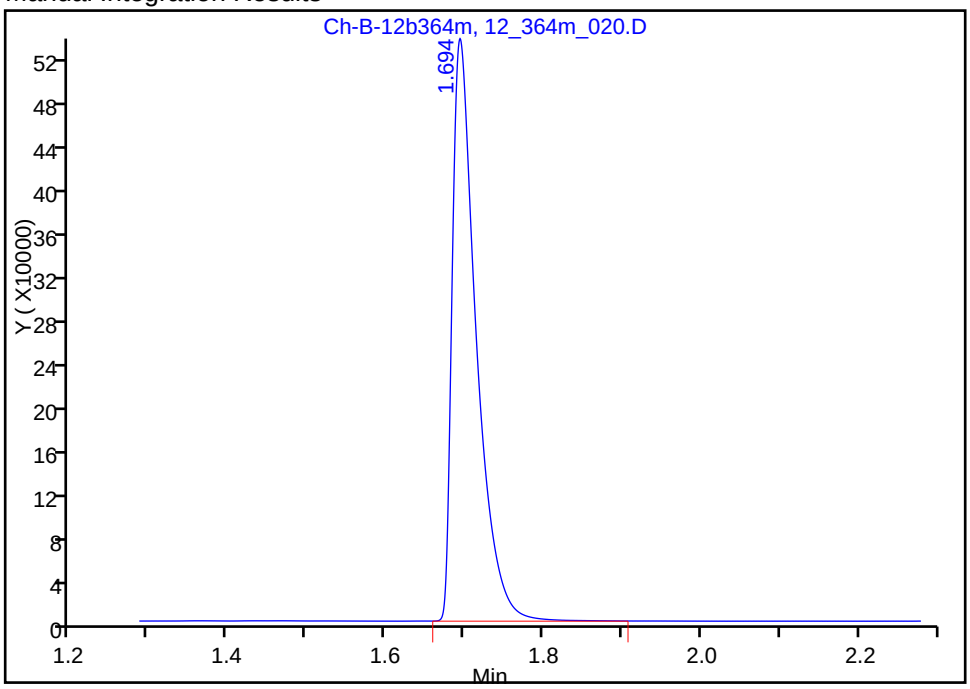
Processing Integration Results

RT: 1.69
Area: 1137596
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 1134052
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:16:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

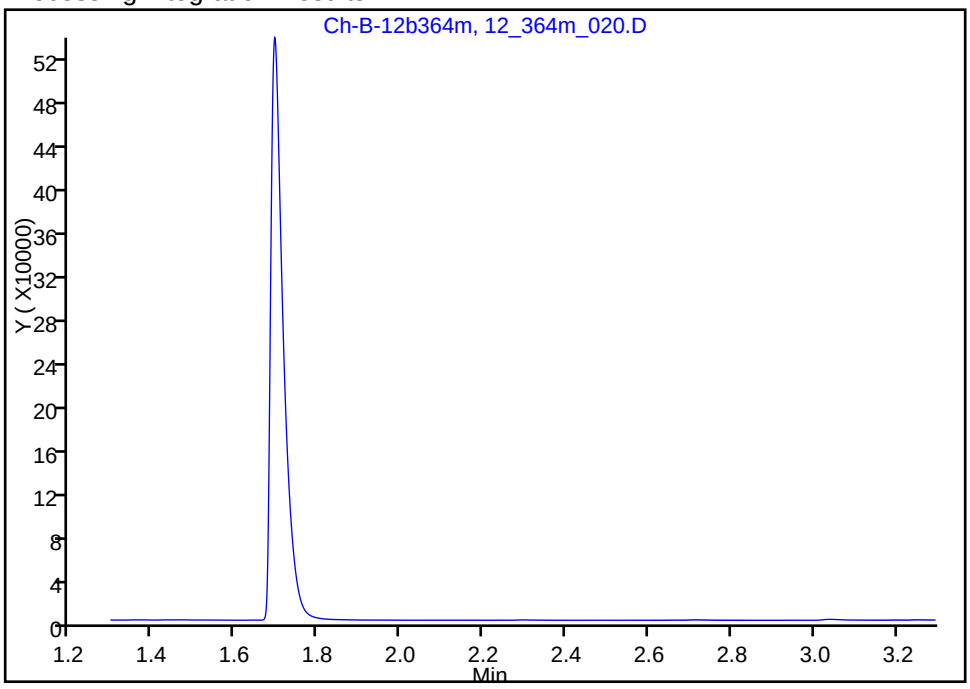
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

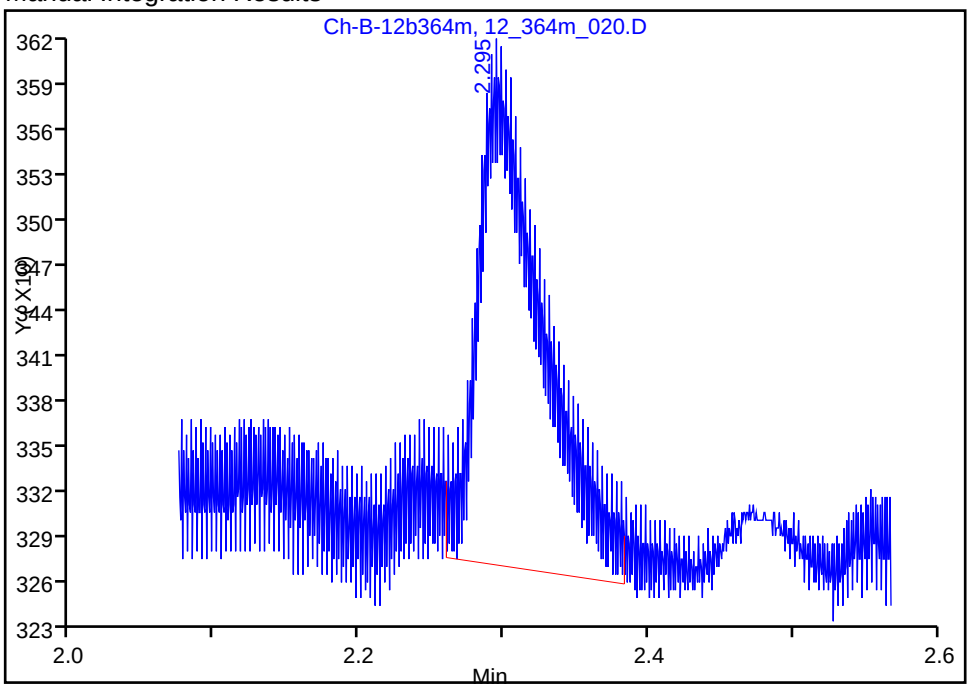
Processing Integration Results

RT: 2.30
Area: 0
Amount: 0.000678
Amount Units: ng/uL



Manual Integration Results

RT: 2.29
Area: 982
Amount: 0.000509
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:23:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

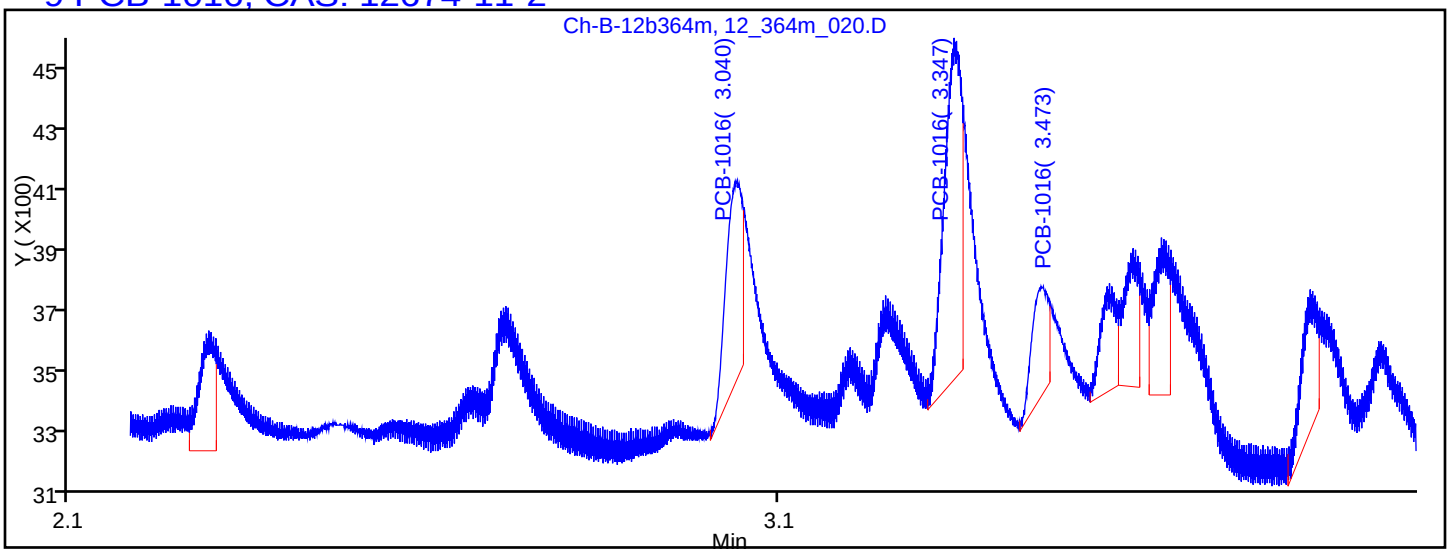
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

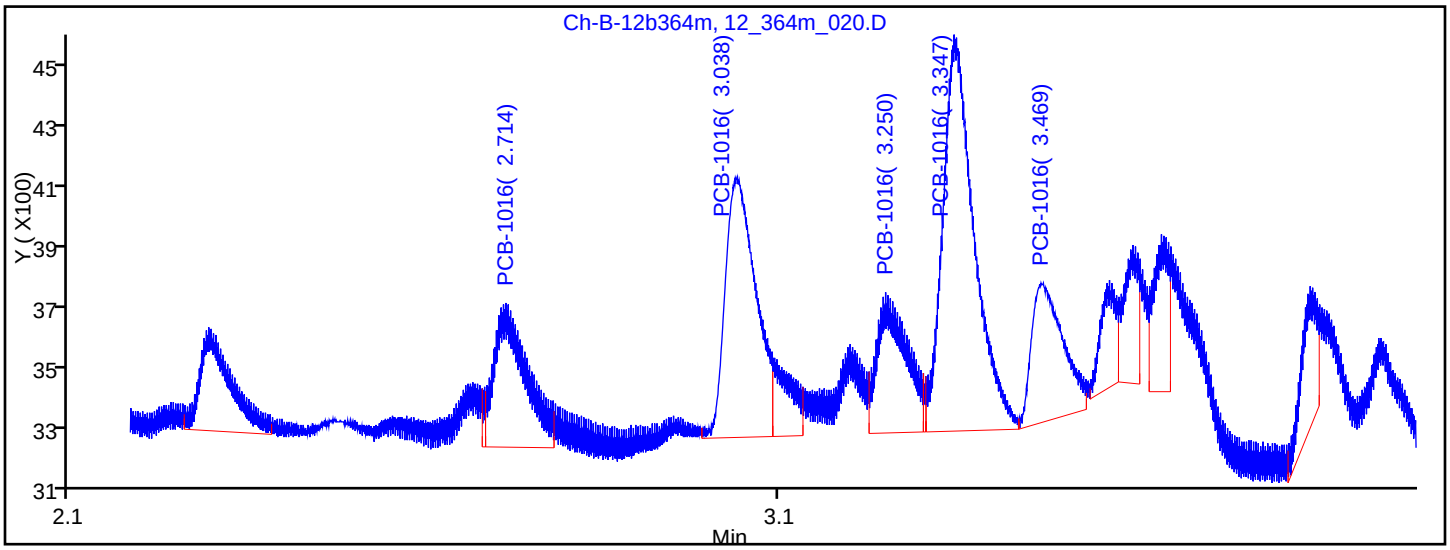
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 3.040	Response = 1059	M
RT = 0.000	Response = 0	M
RT = 3.347	Response = 1883	M
RT = 3.473	Response = 589	M



Manual Integration Results

RT = 2.714	Response = 1423	M
RT = 3.038	Response = 2571	M
RT = 3.250	Response = 1268	M
RT = 3.347	Response = 3969	M
RT = 3.469	Response = 1512	M

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

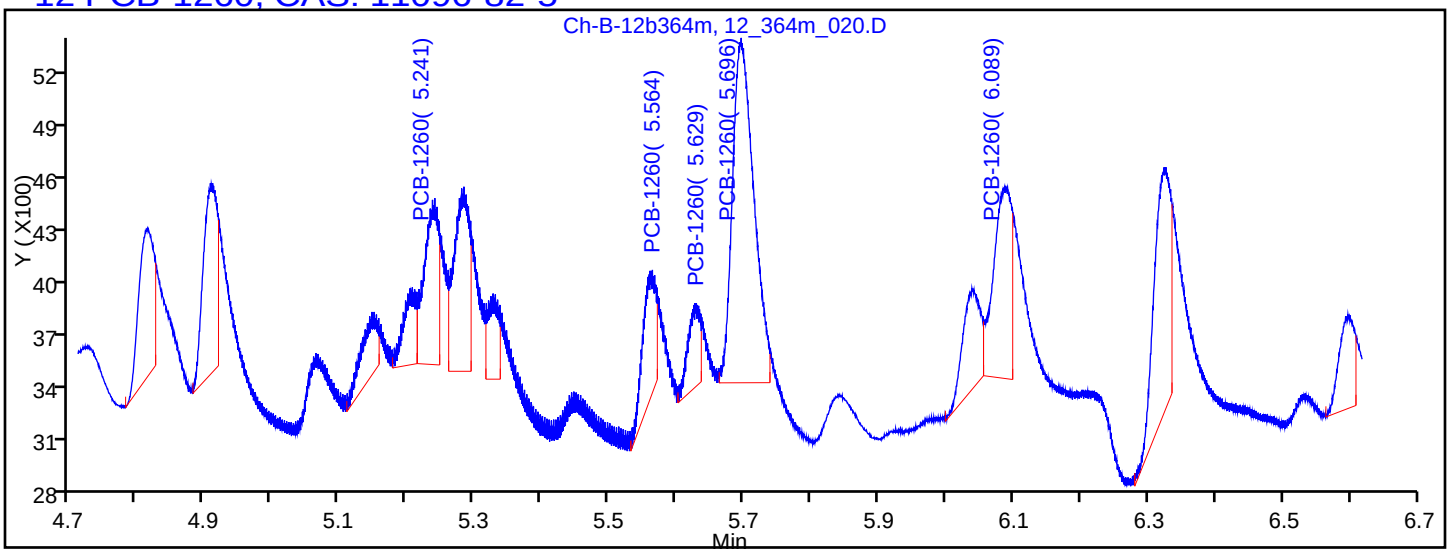
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

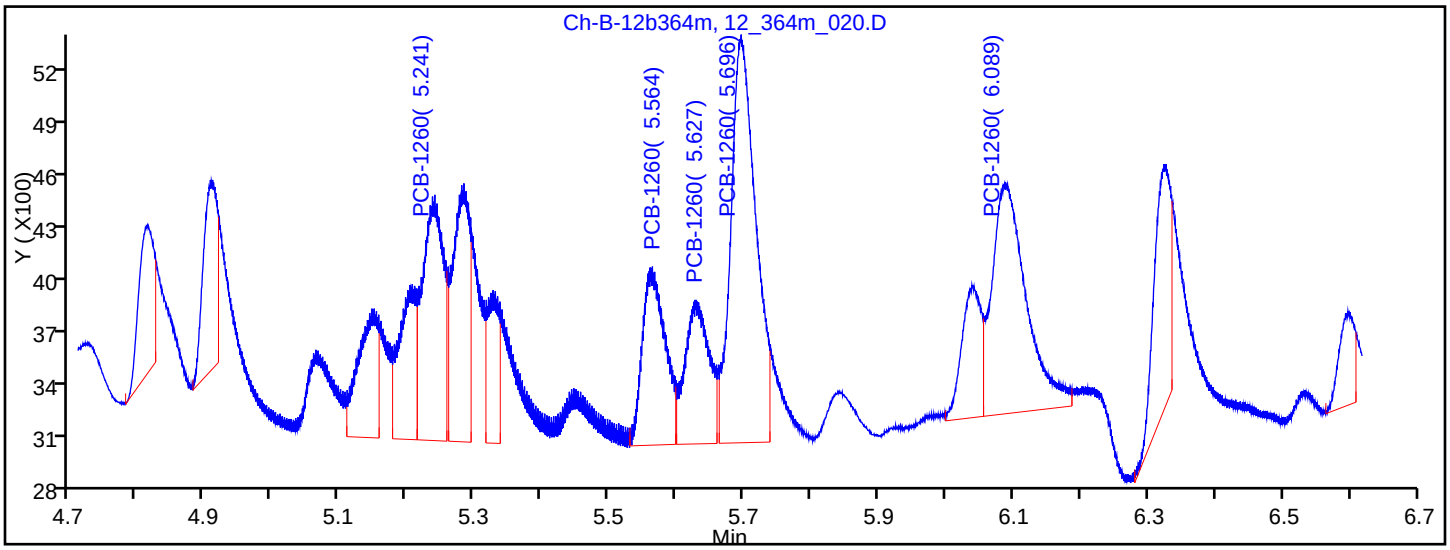
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.241	Response = 1343	M
RT = 5.564	Response = 983	M
RT = 5.629	Response = 583	M
RT = 5.696	Response = 4321	M
RT = 6.089	Response = 2005	M



Manual Integration Results

RT = 5.241	Response = 2930	M
RT = 5.564	Response = 1824	M
RT = 5.627	Response = 2016	M
RT = 5.696	Response = 5952	M
RT = 6.089	Response = 4661	M

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

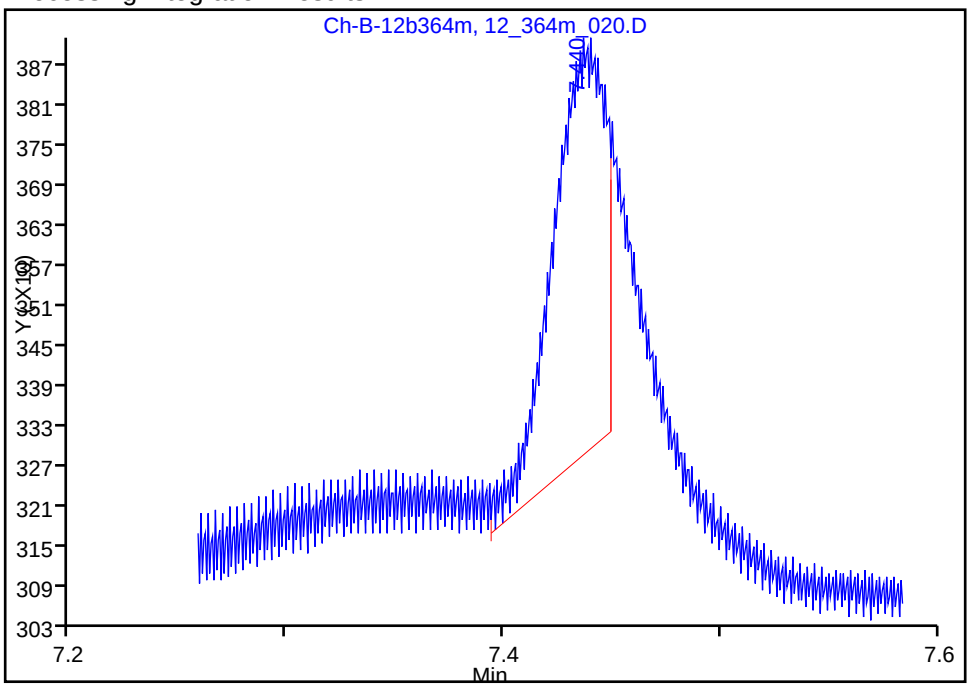
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

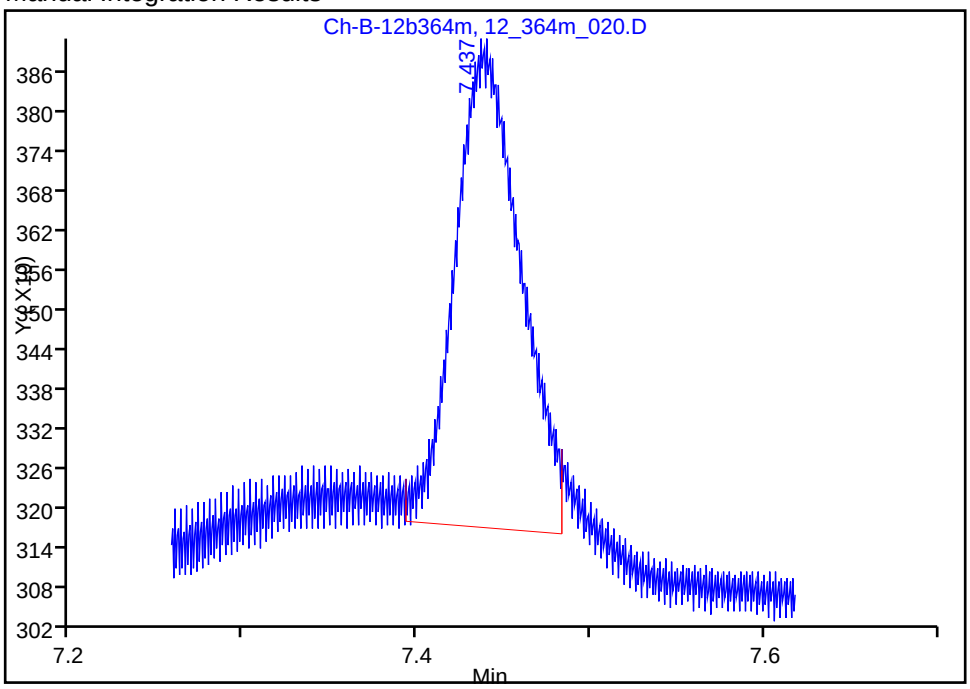
Processing Integration Results

RT: 7.44
Area: 1035
Amount: 0.000291
Amount Units: ng/uL



Manual Integration Results

RT: 7.44
Area: 1904
Amount: 0.000502
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:14:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0143					Ave		0.0143						20.0			
PCB-1221 Peak 2	0.0109					Ave		0.0109						20.0			
PCB-1221 Peak 3	0.0467					Ave		0.0467						20.0			
PCB-1254 Peak 1	0.0709					Ave		0.0709						20.0			
PCB-1254 Peak 2	0.0949					Ave		0.0949						20.0			
PCB-1254 Peak 3	0.0966					Ave		0.0966						20.0			
PCB-1254 Peak 4	0.0632					Ave		0.0632						20.0			
PCB-1254 Peak 5	0.0890					Ave		0.0890						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	19720					0.500				
PCB-1221 Peak 2	BNB	Ave	15098					0.500				
PCB-1221 Peak 3	BNB	Ave	64589					0.500				
PCB-1254 Peak 1	BNB	Ave	98000					0.500				
PCB-1254 Peak 2	BNB	Ave	131264					0.500				
PCB-1254 Peak 3	BNB	Ave	133550					0.500				
PCB-1254 Peak 4	BNB	Ave	87359					0.500				
PCB-1254 Peak 5	BNB	Ave	122976					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:12:48 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:29 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 20:44:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1382519	0.5000	0.5000	
2	1.693	1.694	-0.001	1092864	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.474	1.474	0.000	19720	0.5000	0.5000	a
1	1.817	1.817	0.000	15098	0.5000	0.5000	a
1	1.899	1.899	0.000	64589	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	2.035	2.035	0.000	14825	0.5000	0.5000	M
2	2.554	2.554	0.000	13461	0.5000	0.5000	M
2	2.710	2.710	0.000	41249	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1254							M
1	3.199	3.199	0.000	98000	0.5000	0.5000	a
1	3.466	3.466	0.000	131264	0.5000	0.5000	a
1	3.647	3.647	0.000	133550	0.5000	0.5000	a
1	3.847	3.847	0.000	87359	0.5000	0.5000	a
1	4.023	4.023	0.000	122976	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	4.256	4.256	0.000	66290	0.5000	0.5000	M
2	4.574	4.574	0.000	39860	0.5000	0.5000	M
2	4.663	4.663	0.000	98600	0.5000	0.5000	M
2	4.786	4.786	0.000	108816	0.5000	0.5000	M
2	5.237	5.237	0.000	72505	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00003 Amount Added: 0.25 Units: mL

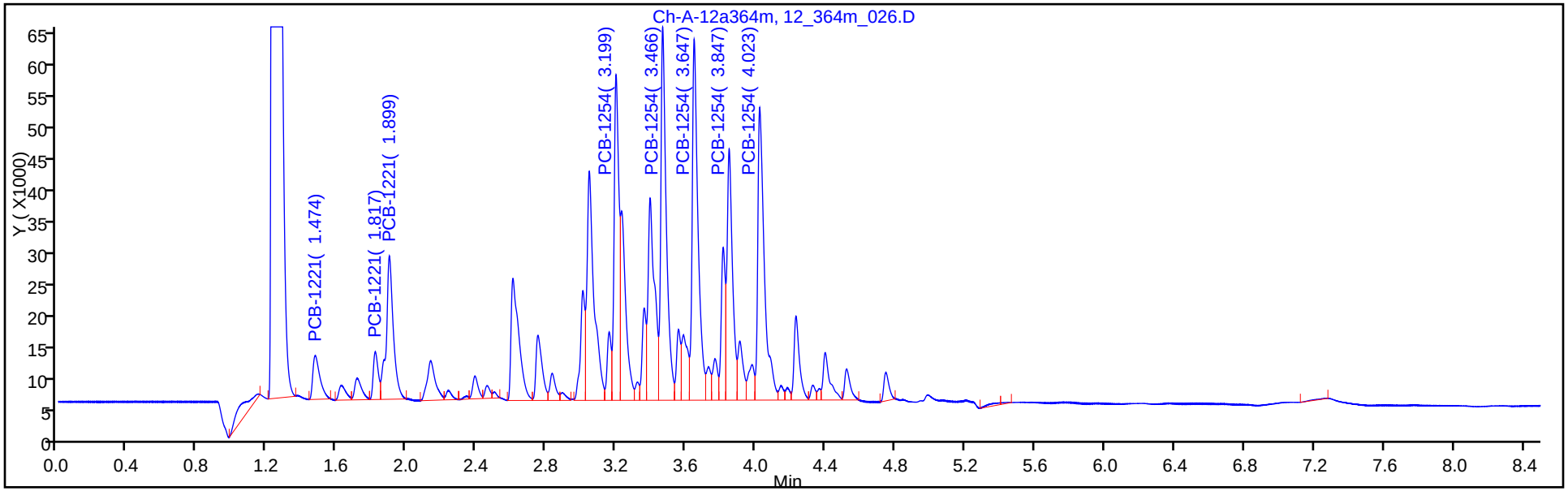
Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

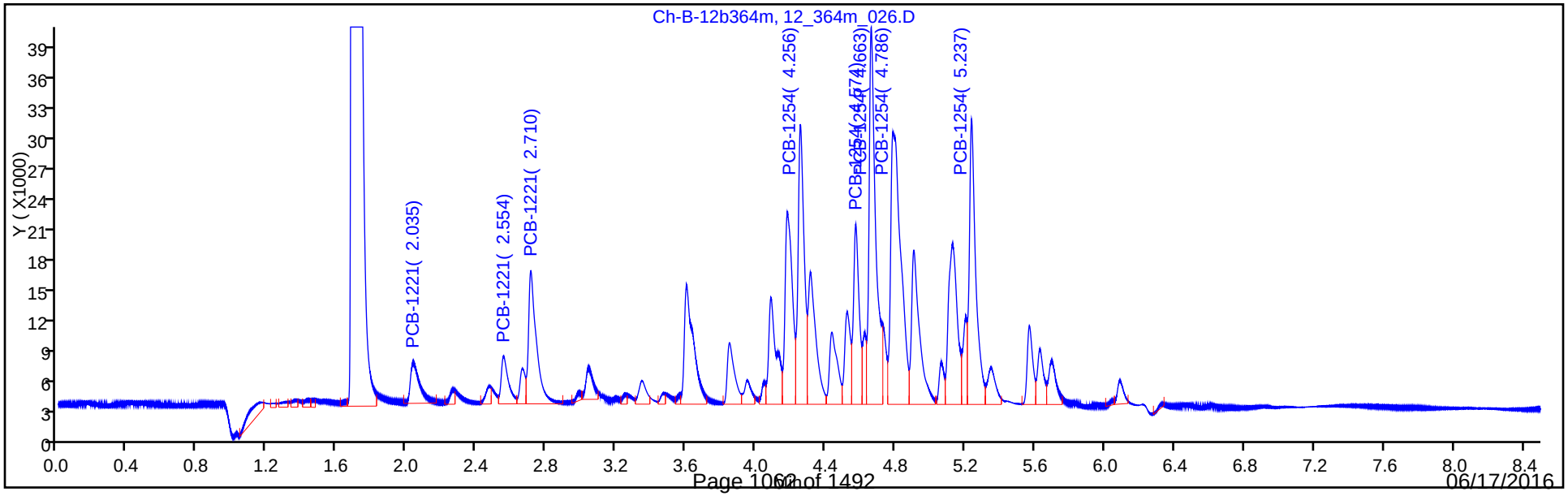
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date:	04-May-2016 20:12:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27375

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0136					Ave		0.0136						20.0			
PCB-1221 Peak 2	0.0123					Ave		0.0123						20.0			
PCB-1221 Peak 3	0.0377					Ave		0.0377						20.0			
PCB-1254 Peak 1	0.0607					Ave		0.0607						20.0			
PCB-1254 Peak 2	0.0365					Ave		0.0365						20.0			
PCB-1254 Peak 3	0.0902					Ave		0.0902						20.0			
PCB-1254 Peak 4	0.0996					Ave		0.0996						20.0			
PCB-1254 Peak 5	0.0663					Ave		0.0663						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27375

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	14825					0.500				
PCB-1221 Peak 2	BNB	Ave	13461					0.500				
PCB-1221 Peak 3	BNB	Ave	41249					0.500				
PCB-1254 Peak 1	BNB	Ave	66290					0.500				
PCB-1254 Peak 2	BNB	Ave	39860					0.500				
PCB-1254 Peak 3	BNB	Ave	98600					0.500				
PCB-1254 Peak 4	BNB	Ave	108816					0.500				
PCB-1254 Peak 5	BNB	Ave	72505					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:12:48 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:29 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 20:44:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1382519	0.5000	0.5000	
2	1.693	1.694	-0.001	1092864	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.474	1.474	0.000	19720	0.5000	0.5000	a
1	1.817	1.817	0.000	15098	0.5000	0.5000	a
1	1.899	1.899	0.000	64589	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	2.035	2.035	0.000	14825	0.5000	0.5000	M
2	2.554	2.554	0.000	13461	0.5000	0.5000	M
2	2.710	2.710	0.000	41249	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1254							M
1	3.199	3.199	0.000	98000	0.5000	0.5000	a
1	3.466	3.466	0.000	131264	0.5000	0.5000	a
1	3.647	3.647	0.000	133550	0.5000	0.5000	a
1	3.847	3.847	0.000	87359	0.5000	0.5000	a
1	4.023	4.023	0.000	122976	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	4.256	4.256	0.000	66290	0.5000	0.5000	M
2	4.574	4.574	0.000	39860	0.5000	0.5000	M
2	4.663	4.663	0.000	98600	0.5000	0.5000	M
2	4.786	4.786	0.000	108816	0.5000	0.5000	M
2	5.237	5.237	0.000	72505	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00003 Amount Added: 0.25 Units: mL

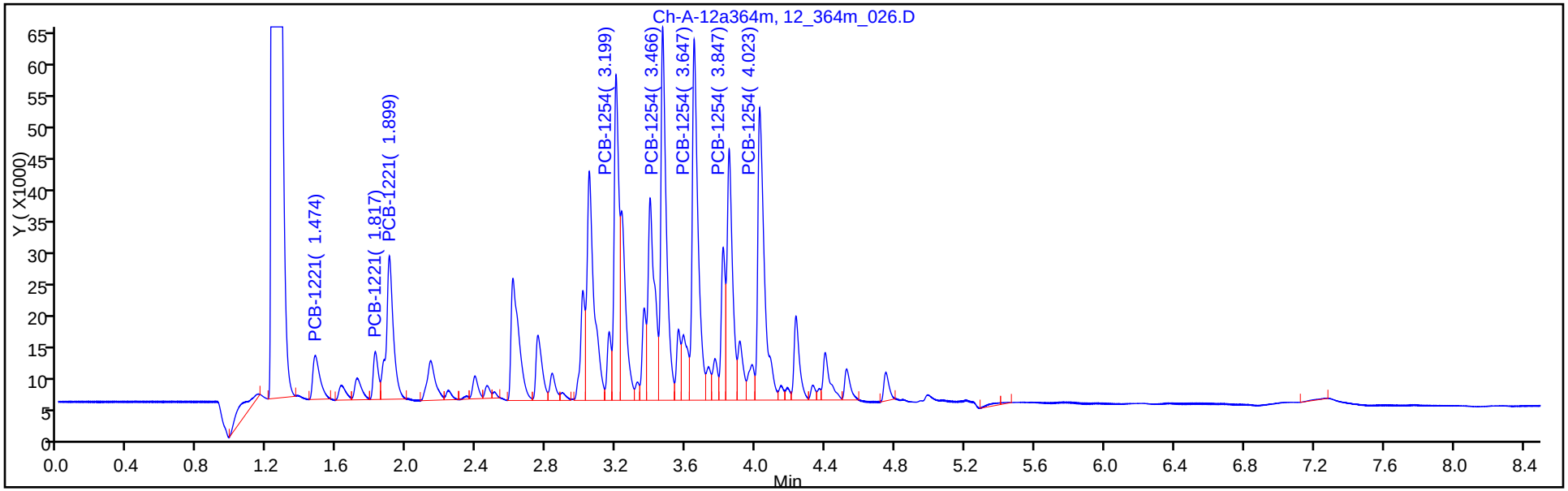
Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

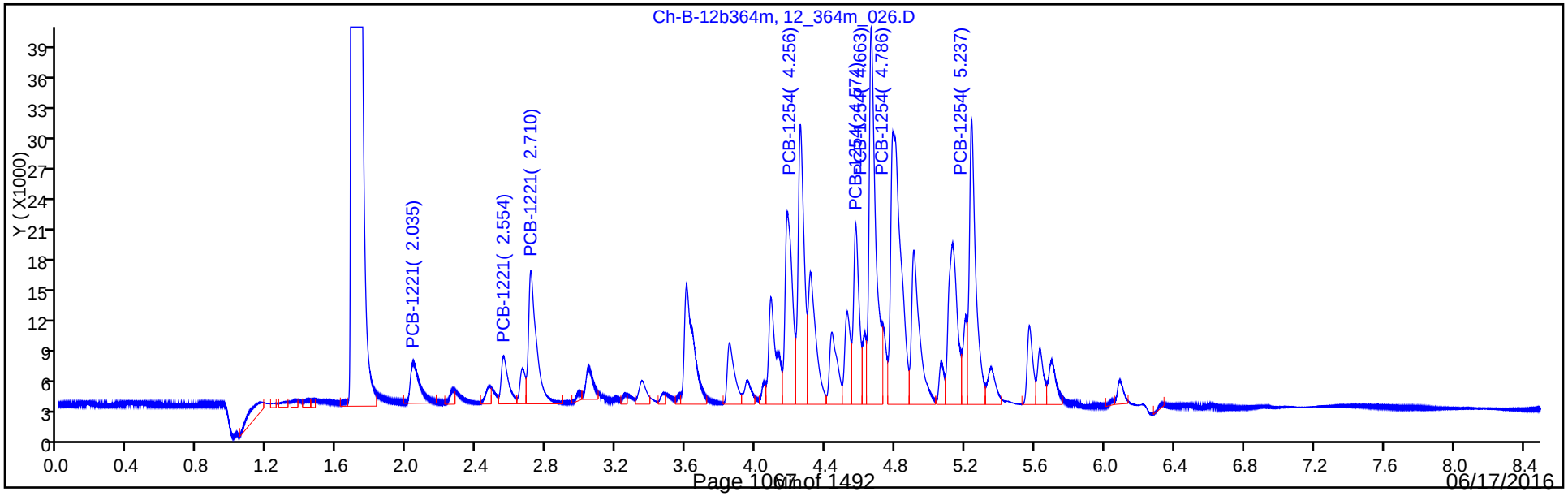
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date:	04-May-2016 20:12:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



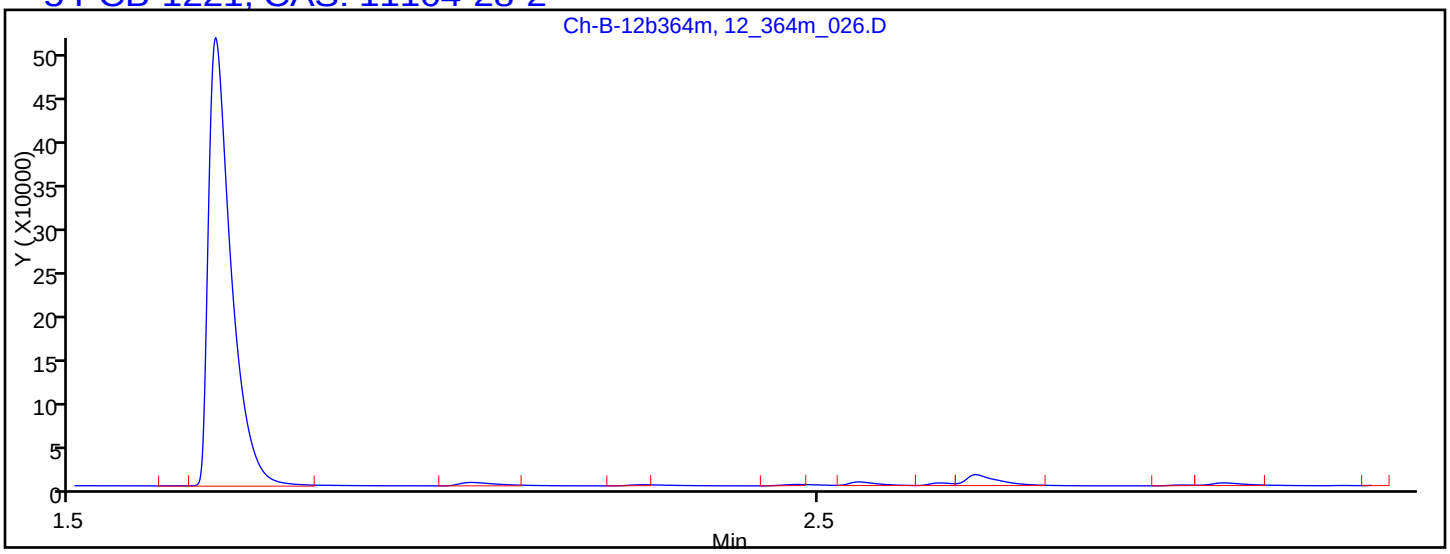
Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

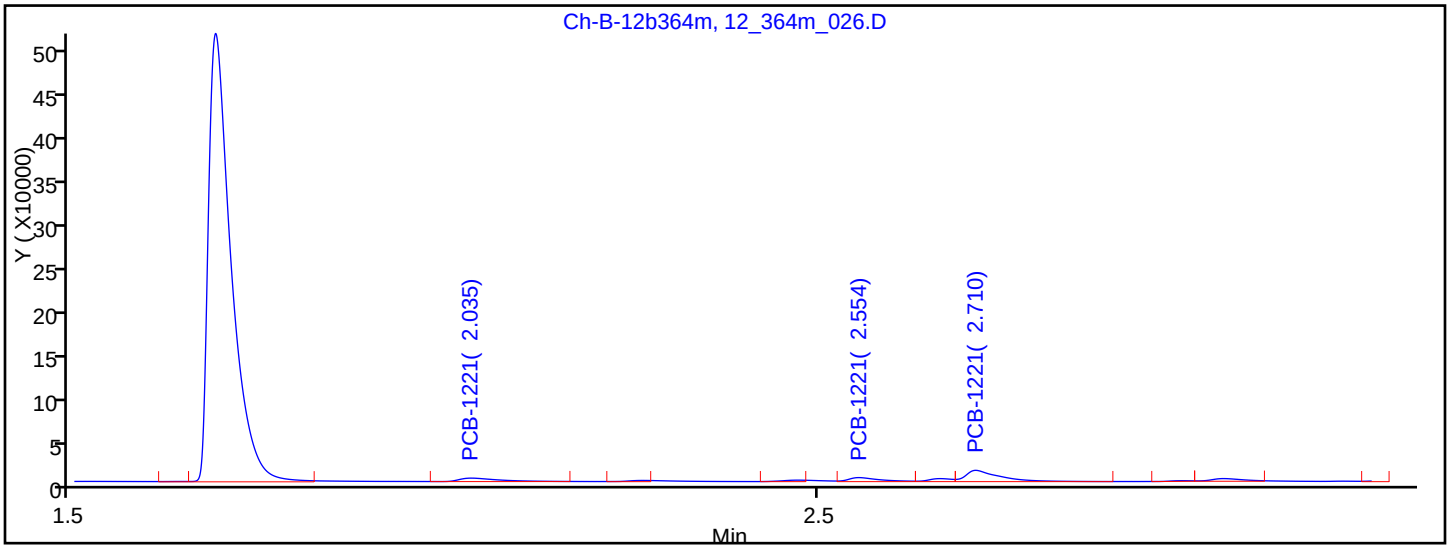
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date:	04-May-2016 20:12:48	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

RT = 2.035	Response = 14825	M
RT = 2.554	Response = 13461	M
RT = 2.710	Response = 41249	M

Reviewer: sobolk, 04-May-2016 20:44:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

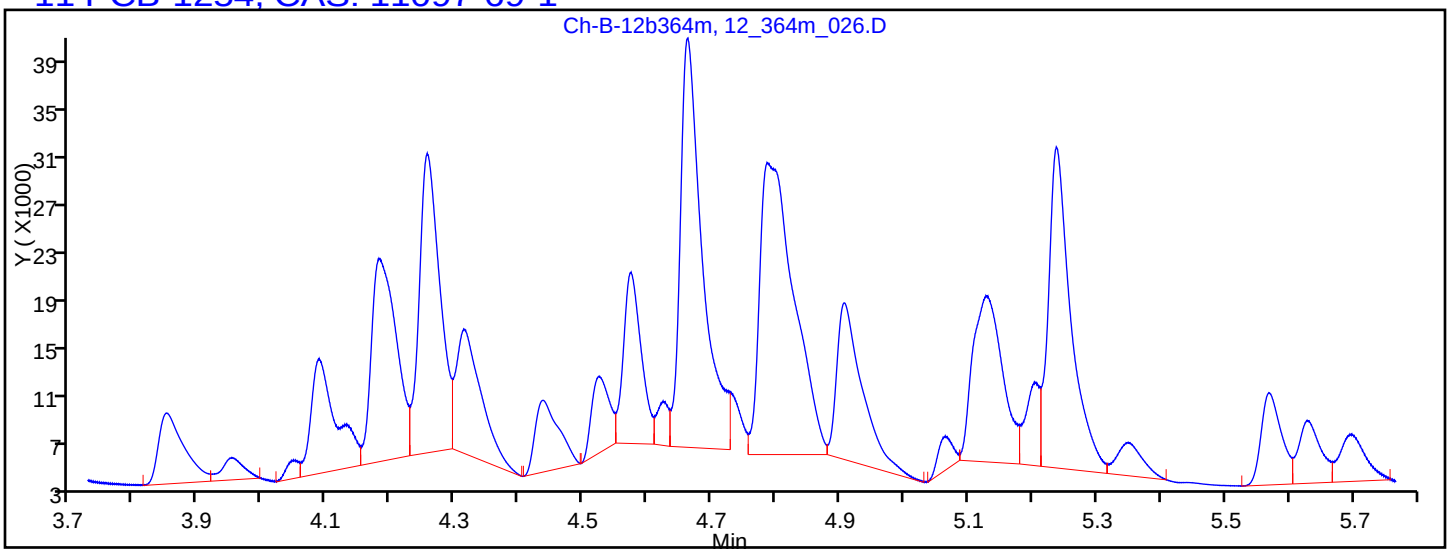
Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

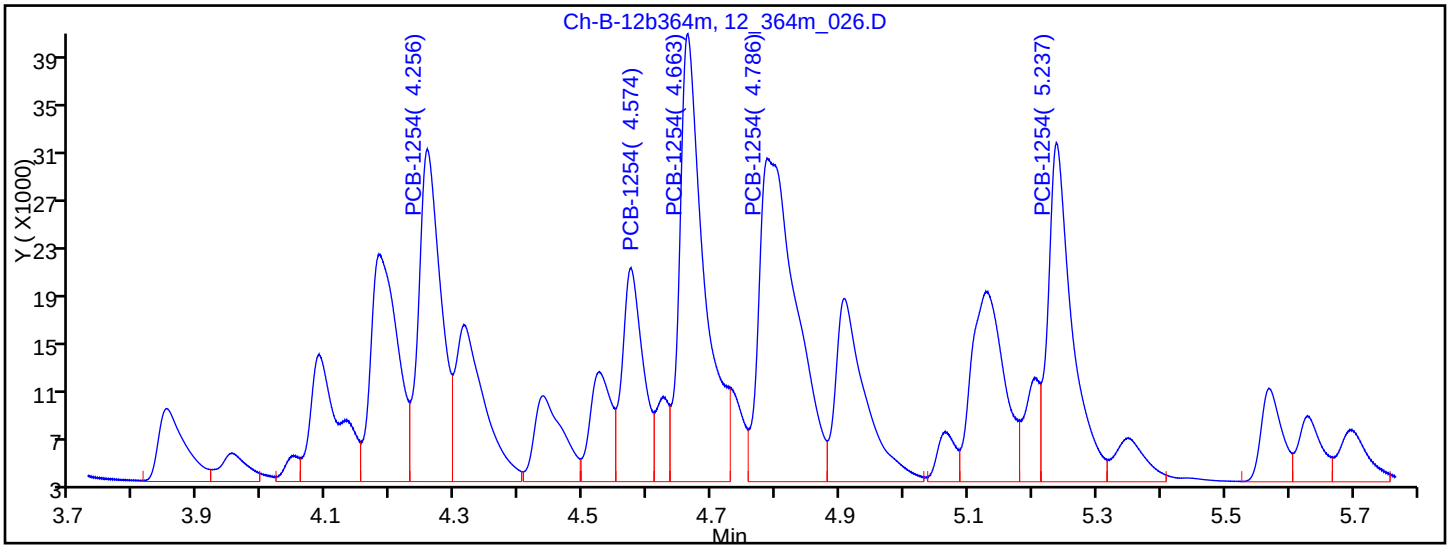
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date:	04-May-2016 20:12:48	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results



Manual Integration Results

RT = 4.256	Response = 66290	M
RT = 4.574	Response = 39860	M
RT = 4.663	Response = 98600	M
RT = 4.786	Response = 108816	M
RT = 5.237	Response = 72505	M

Reviewer: sobolk, 04-May-2016 20:44:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0396					Ave		0.0396						20.0			
PCB-1232 Peak 2	0.0324					Ave		0.0324						20.0			
PCB-1232 Peak 3	0.0160					Ave		0.0160						20.0			
PCB-1232 Peak 4	0.0419					Ave		0.0419						20.0			
PCB-1232 Peak 5	0.0185					Ave		0.0185						20.0			
PCB-1262 Peak 1	0.0725					Ave		0.0725						20.0			
PCB-1262 Peak 2	0.0564					Ave		0.0564						20.0			
PCB-1262 Peak 3	0.1547					Ave		0.1547						20.0			
PCB-1262 Peak 4	0.0509					Ave		0.0509						20.0			
PCB-1262 Peak 5	0.0862					Ave		0.0862						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	53990					0.500				
PCB-1232 Peak 2	BNB	Ave	44173					0.500				
PCB-1232 Peak 3	BNB	Ave	21833					0.500				
PCB-1232 Peak 4	BNB	Ave	57196					0.500				
PCB-1232 Peak 5	BNB	Ave	25246					0.500				
PCB-1262 Peak 1	BNB	Ave	98875					0.500				
PCB-1262 Peak 2	BNB	Ave	76916					0.500				
PCB-1262 Peak 3	BNB	Ave	211072					0.500				
PCB-1262 Peak 4	BNB	Ave	69405					0.500				
PCB-1262 Peak 5	BNB	Ave	117546					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:43:30 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:28:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1364319	0.5000	0.5000	
2	1.694	1.694	0.000	1087076	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	1.899	1.899	0.000	53990	0.5000	0.5000	M
1	2.132	2.132	0.000	44173	0.5000	0.5000	a
1	2.237	2.237	0.000	21833	0.5000	0.5000	M
1	2.389	2.389	0.000	57196	0.5000	0.5000	M
1	2.457	2.457	0.000	25246	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	2.711	2.711	0.000	33725	0.5000	0.5000	M
2	3.037	3.037	0.000	30626	0.5000	0.5000	M
2	3.346	3.346	0.000	43405	0.5000	0.5000	M
2	3.471	3.471	0.000	19442	0.5000	0.5000	M
2	3.851	3.851	0.000	20233	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.146	4.146	0.000	98875	0.5000	0.5000	M
1	4.325	4.325	0.000	76916	0.5000	0.5000	M
1	4.518	4.518	0.000	211072	0.5000	0.5000	M
1	4.807	4.807	0.000	69405	0.5000	0.5000	a
1	4.845	4.845	0.000	117546	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	5.281	5.281	0.000	79482	0.5000	0.5000	M
2	5.559	5.559	0.000	65911	0.5000	0.5000	M
2	5.692	5.692	0.000	163569	0.5000	0.5000	M
2	6.036	6.036	0.000	59194	0.5000	0.5000	M
2	6.083	6.083	0.000	122047	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00003 Amount Added: 0.25 Units: mL

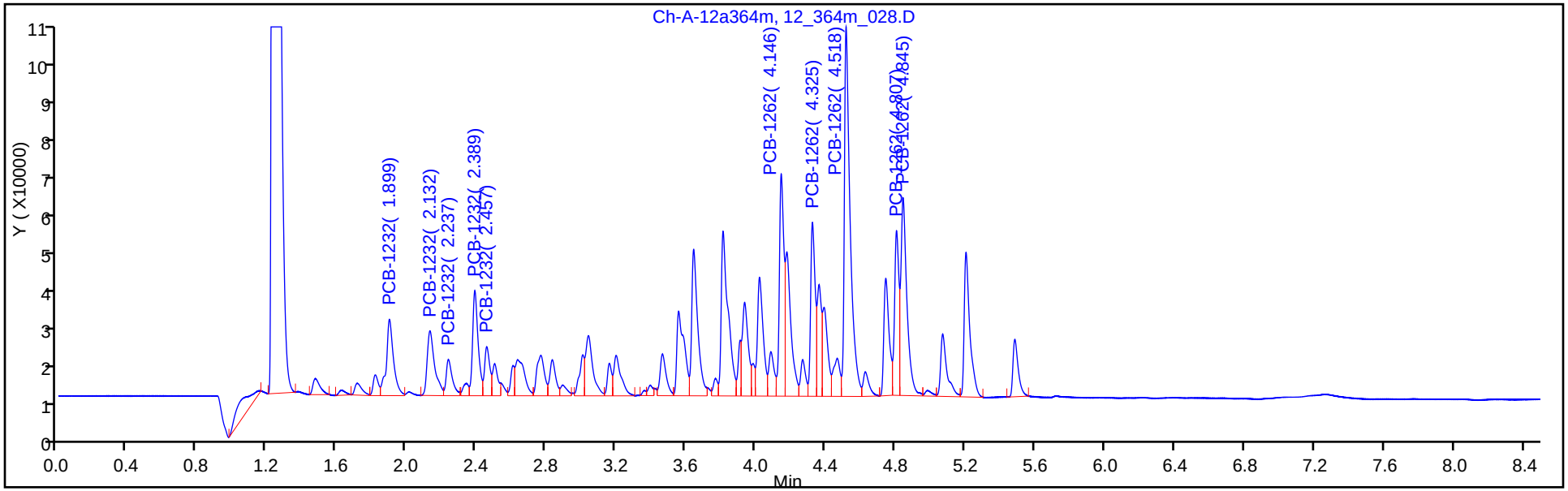
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

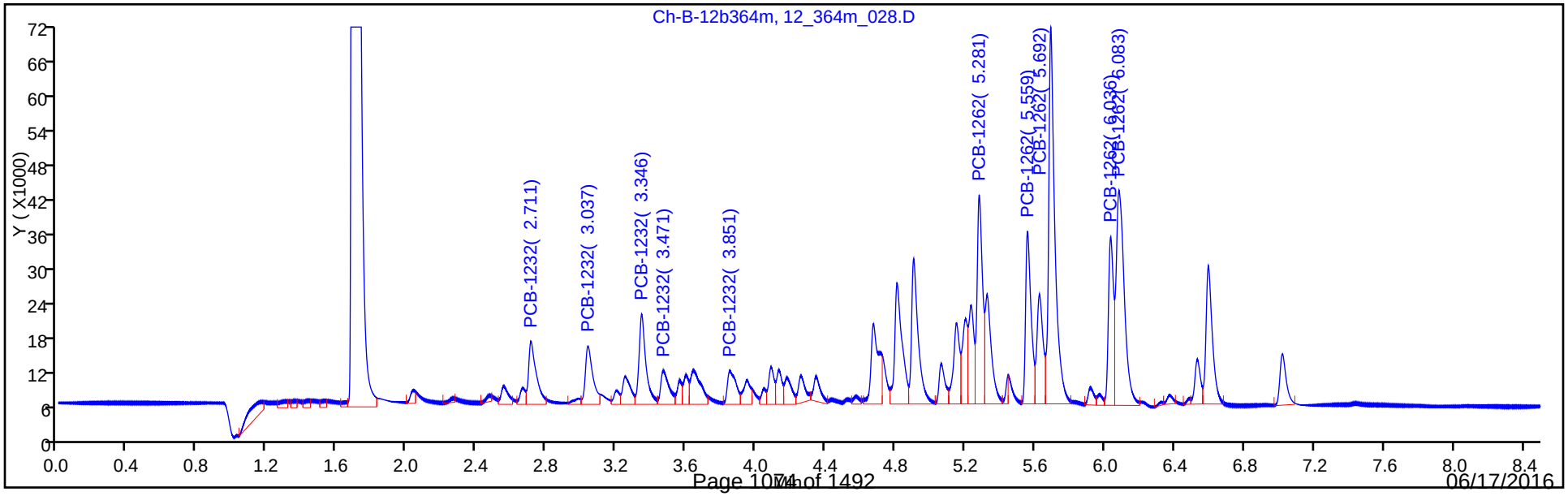
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



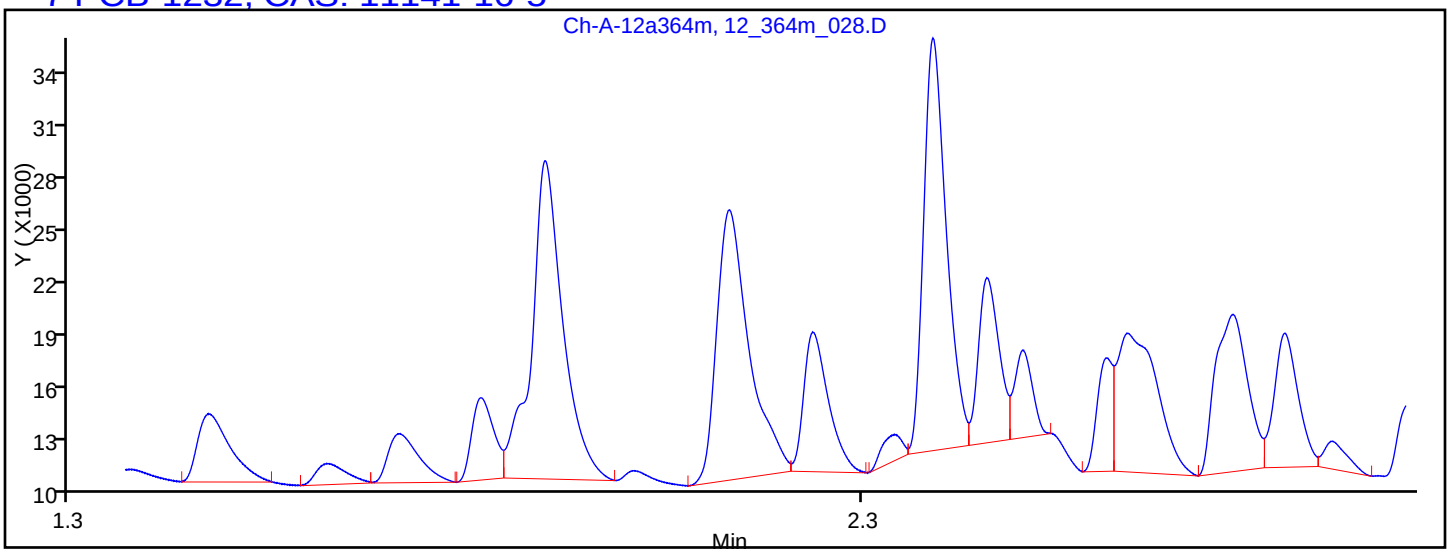
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

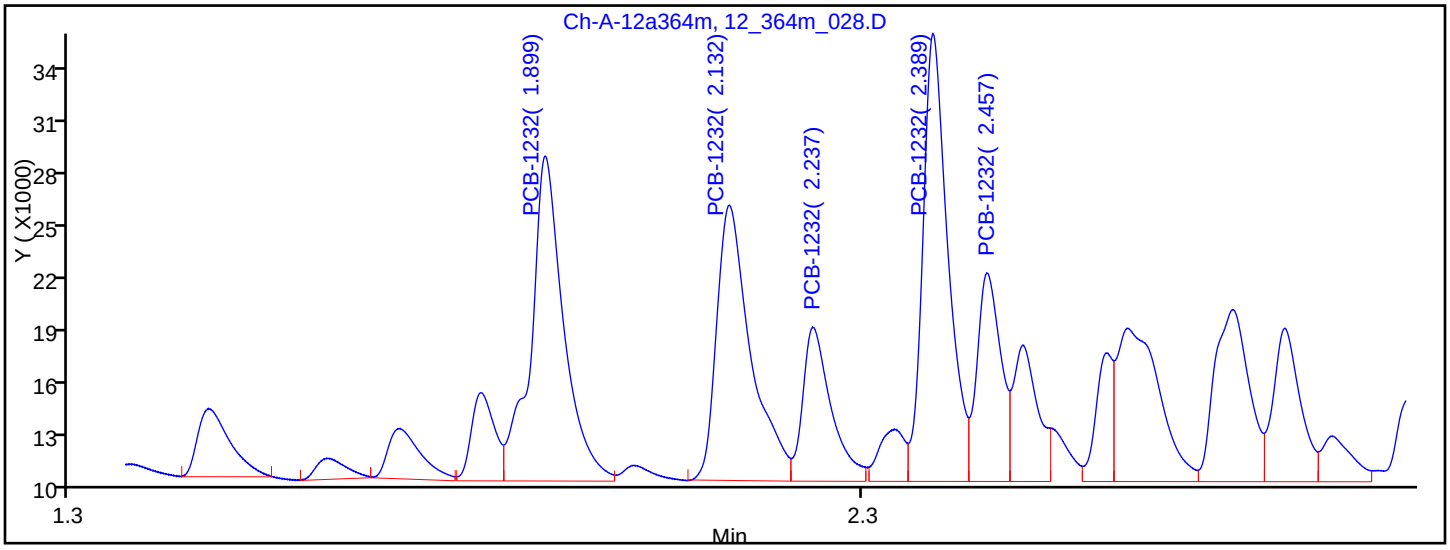
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results



Manual Integration Results

RT = 1.899	Response = 53990	M
RT = 2.132	Response = 44173	M
RT = 2.237	Response = 21833	M
RT = 2.389	Response = 57196	M
RT = 2.457	Response = 25246	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

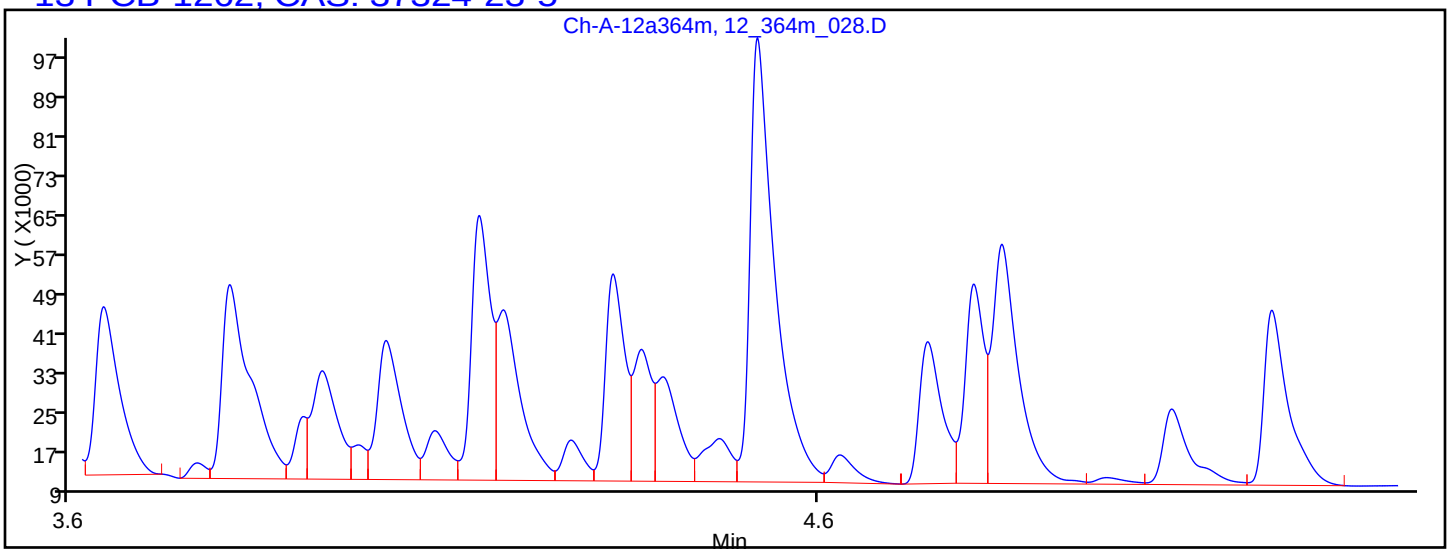
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

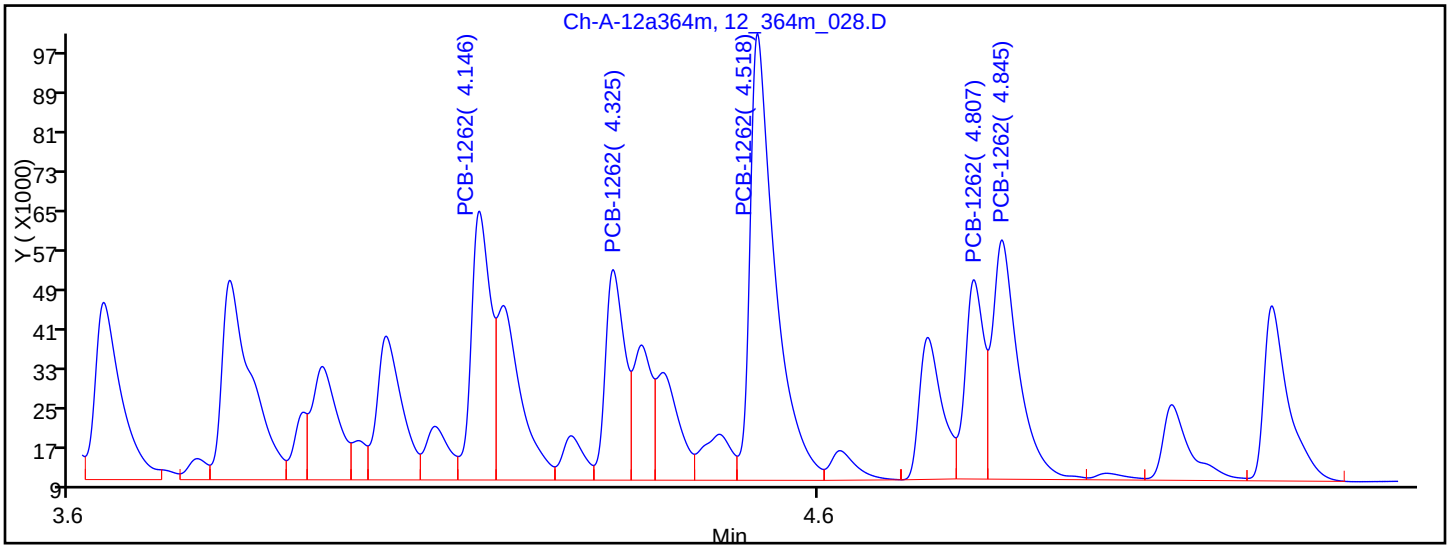
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results



Manual Integration Results

RT = 4.146	Response = 98875	M
RT = 4.325	Response = 76916	M
RT = 4.518	Response = 211072	M
RT = 4.807	Response = 69405	M
RT = 4.845	Response = 117546	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27381

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0310					Ave		0.0310						20.0			
PCB-1232 Peak 2	0.0282					Ave		0.0282						20.0			
PCB-1232 Peak 3	0.0399					Ave		0.0399						20.0			
PCB-1232 Peak 4	0.0179					Ave		0.0179						20.0			
PCB-1232 Peak 5	0.0186					Ave		0.0186						20.0			
PCB-1262 Peak 1	0.0731					Ave		0.0731						20.0			
PCB-1262 Peak 2	0.0606					Ave		0.0606						20.0			
PCB-1262 Peak 3	0.1505					Ave		0.1505						20.0			
PCB-1262 Peak 4	0.0545					Ave		0.0545						20.0			
PCB-1262 Peak 5	0.1123					Ave		0.1123						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27381

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	33725					0.500				
PCB-1232 Peak 2	BNB	Ave	30626					0.500				
PCB-1232 Peak 3	BNB	Ave	43405					0.500				
PCB-1232 Peak 4	BNB	Ave	19442					0.500				
PCB-1232 Peak 5	BNB	Ave	20233					0.500				
PCB-1262 Peak 1	BNB	Ave	79482					0.500				
PCB-1262 Peak 2	BNB	Ave	65911					0.500				
PCB-1262 Peak 3	BNB	Ave	163569					0.500				
PCB-1262 Peak 4	BNB	Ave	59194					0.500				
PCB-1262 Peak 5	BNB	Ave	122047					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:43:30 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:28:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1364319	0.5000	0.5000	
2	1.694	1.694	0.000	1087076	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	1.899	1.899	0.000	53990	0.5000	0.5000	M
1	2.132	2.132	0.000	44173	0.5000	0.5000	a
1	2.237	2.237	0.000	21833	0.5000	0.5000	M
1	2.389	2.389	0.000	57196	0.5000	0.5000	M
1	2.457	2.457	0.000	25246	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	2.711	2.711	0.000	33725	0.5000	0.5000	M
2	3.037	3.037	0.000	30626	0.5000	0.5000	M
2	3.346	3.346	0.000	43405	0.5000	0.5000	M
2	3.471	3.471	0.000	19442	0.5000	0.5000	M
2	3.851	3.851	0.000	20233	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.146	4.146	0.000	98875	0.5000	0.5000	M
1	4.325	4.325	0.000	76916	0.5000	0.5000	M
1	4.518	4.518	0.000	211072	0.5000	0.5000	M
1	4.807	4.807	0.000	69405	0.5000	0.5000	a
1	4.845	4.845	0.000	117546	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	5.281	5.281	0.000	79482	0.5000	0.5000	M
2	5.559	5.559	0.000	65911	0.5000	0.5000	M
2	5.692	5.692	0.000	163569	0.5000	0.5000	M
2	6.036	6.036	0.000	59194	0.5000	0.5000	M
2	6.083	6.083	0.000	122047	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00003 Amount Added: 0.25 Units: mL

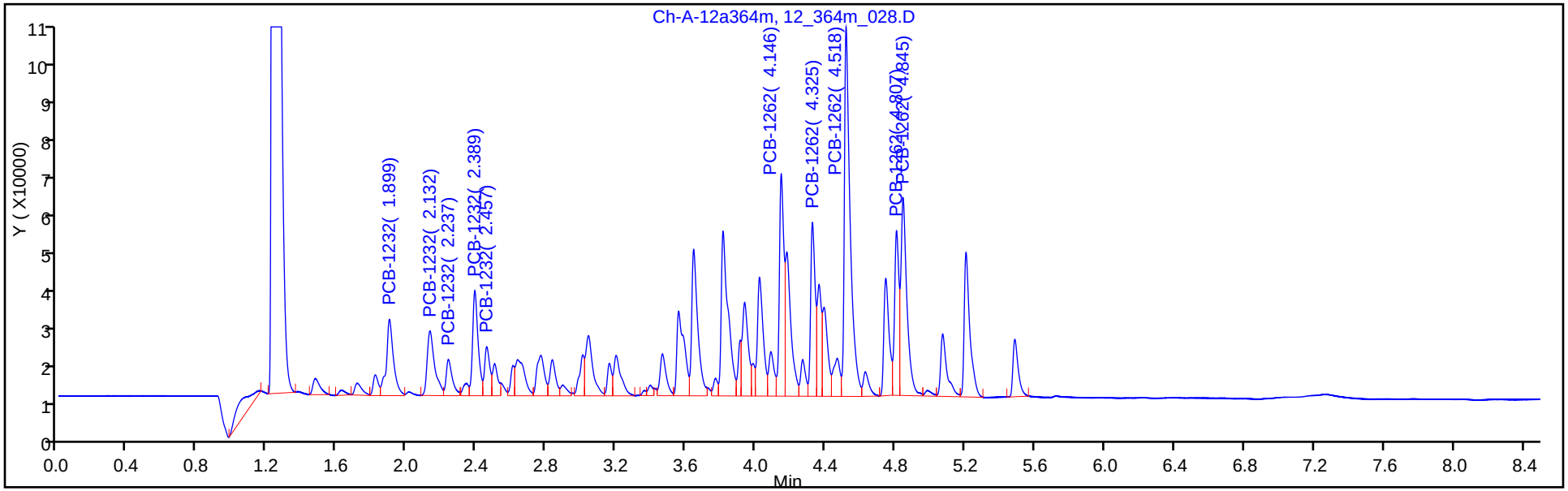
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

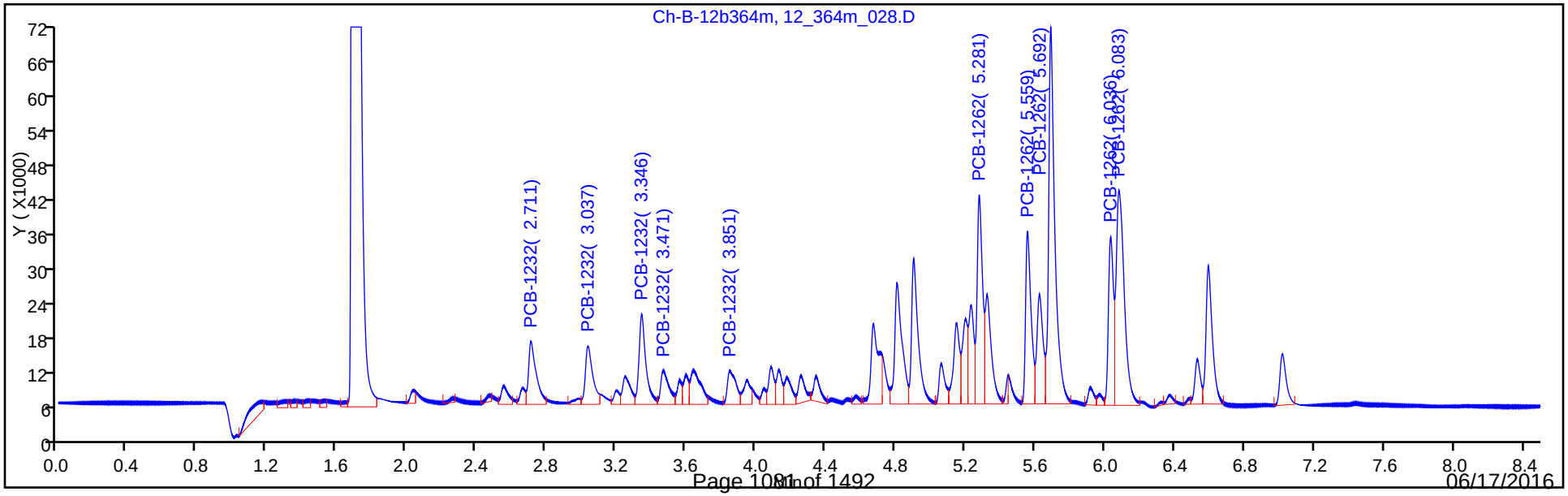
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



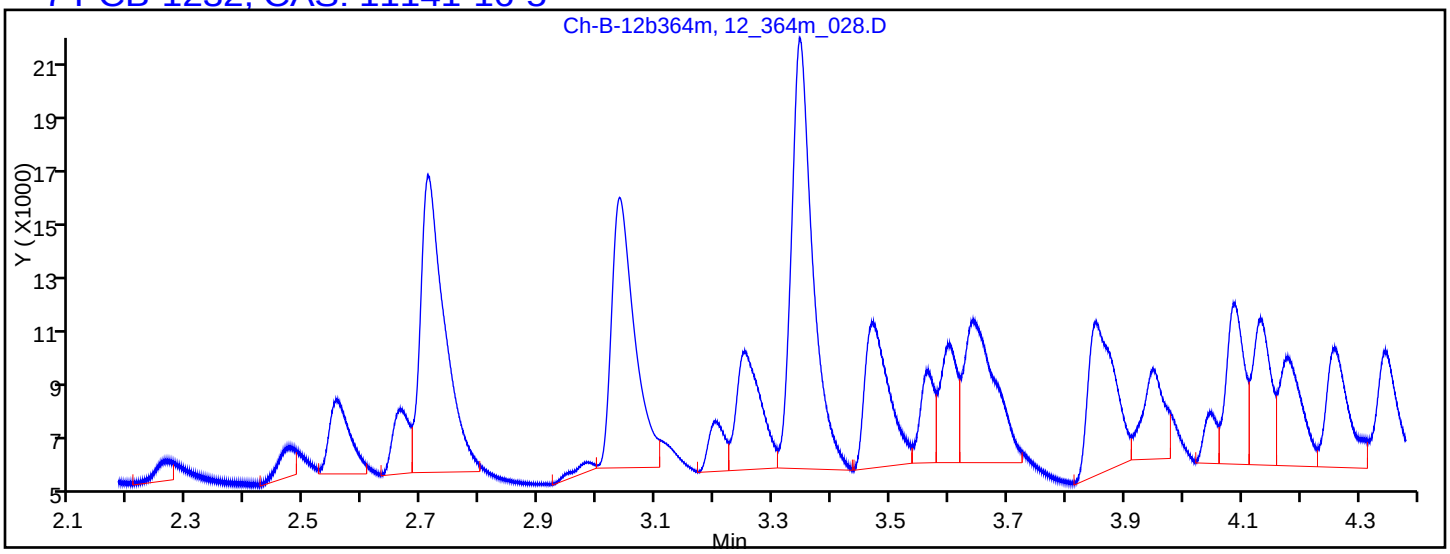
Report Date: 05-May-2016 16:31:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

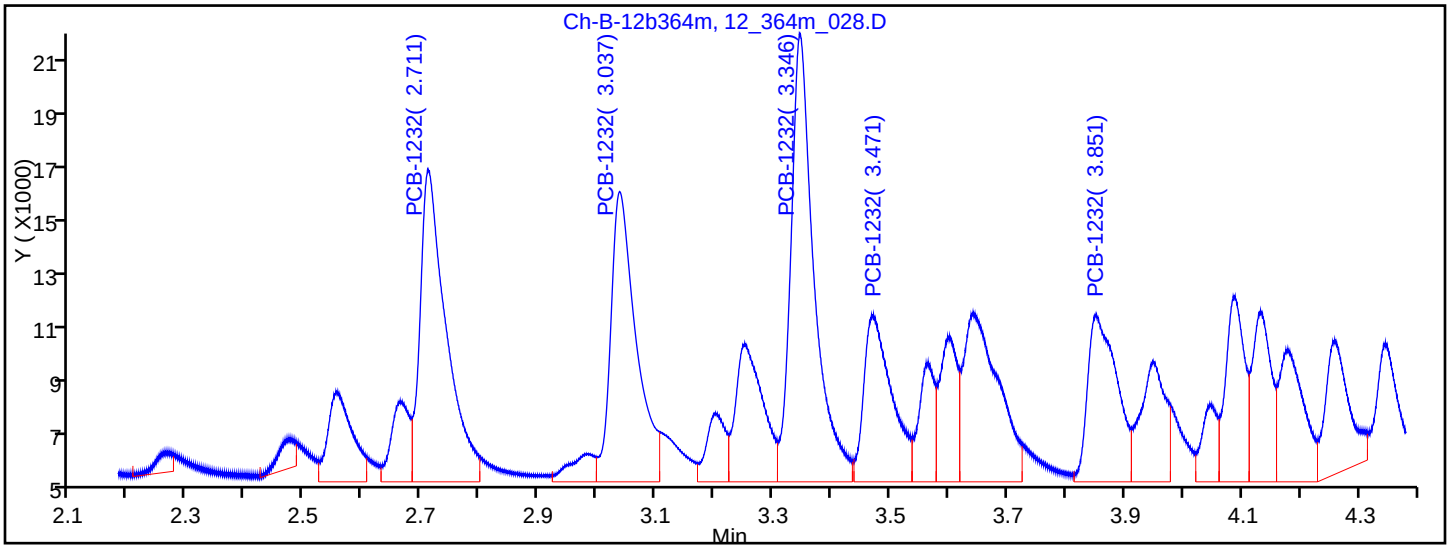
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results



Manual Integration Results

RT = 2.711	Response = 33725	M
RT = 3.037	Response = 30626	M
RT = 3.346	Response = 43405	M
RT = 3.471	Response = 19442	M
RT = 3.851	Response = 20233	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 05-May-2016 16:31:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date: 04-May-2016 20:43:30 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

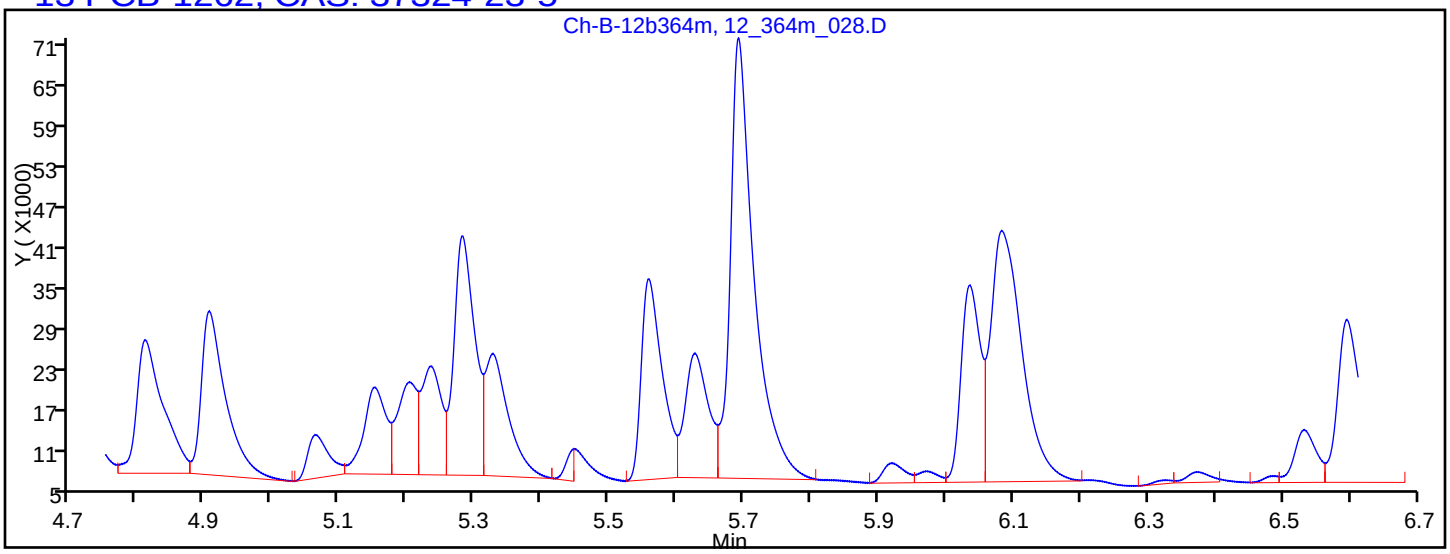
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

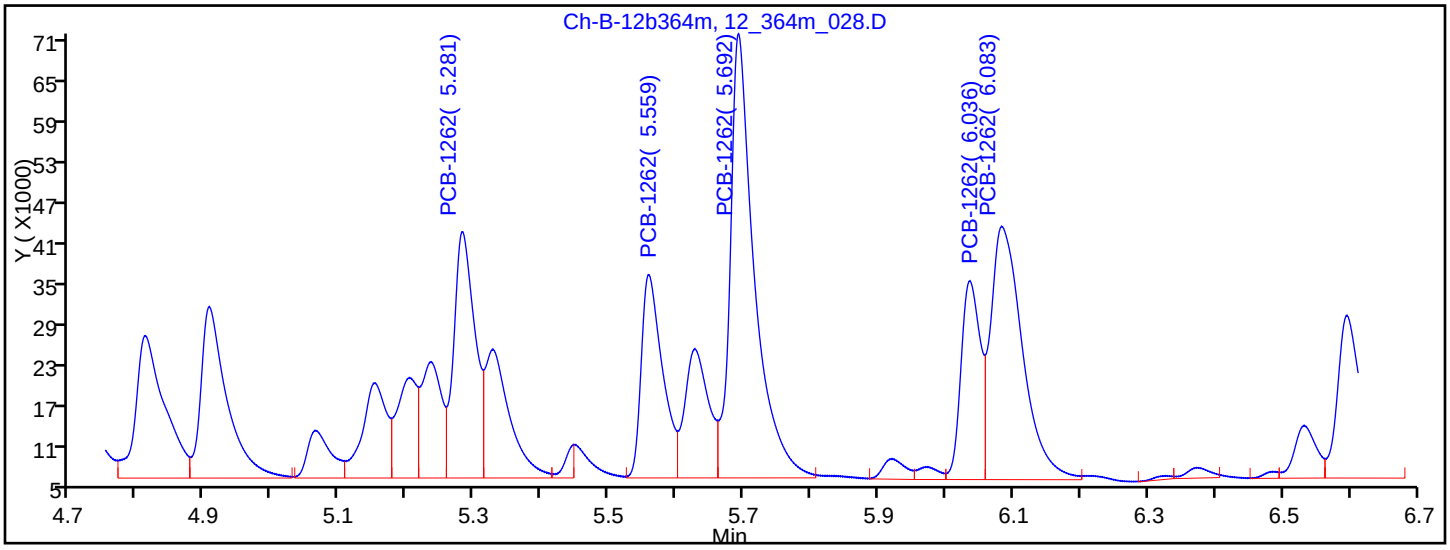
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results



Manual Integration Results

RT = 5.281	Response = 79482	M
RT = 5.559	Response = 65911	M
RT = 5.692	Response = 163569	M
RT = 6.036	Response = 59194	M
RT = 6.083	Response = 122047	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27392

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0743					Ave		0.0743						20.0			
PCB-1242 Peak 2	0.0311					Ave		0.0311						20.0			
PCB-1242 Peak 3	0.0407					Ave		0.0407						20.0			
PCB-1242 Peak 4	0.0299					Ave		0.0299						20.0			
PCB-1242 Peak 5	0.0462					Ave		0.0462						20.0			
PCB-1268 Peak 1	0.1230					Ave		0.1230						20.0			
PCB-1268 Peak 2	0.2217					Ave		0.2217						20.0			
PCB-1268 Peak 3	0.1320					Ave		0.1320						20.0			
PCB-1268 Peak 4	0.0621					Ave		0.0621						20.0			
PCB-1268 Peak 5	0.4722					Ave		0.4722						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27392

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	103601					0.500				
PCB-1242 Peak 2	BNB	Ave	43392					0.500				
PCB-1242 Peak 3	BNB	Ave	56710					0.500				
PCB-1242 Peak 4	BNB	Ave	41701					0.500				
PCB-1242 Peak 5	BNB	Ave	64388					0.500				
PCB-1268 Peak 1	BNB	Ave	171534					0.500				
PCB-1268 Peak 2	BNB	Ave	309162					0.500				
PCB-1268 Peak 3	BNB	Ave	183993					0.500				
PCB-1268 Peak 4	BNB	Ave	86612					0.500				
PCB-1268 Peak 5	BNB	Ave	658501					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:14:09 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:41:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:31:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1394403	0.5000	0.5000	
2	1.694	1.694	0.000	1118731	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.389	2.389	0.000	103601	0.5000	0.5000	M
1	2.457	2.457	0.000	43392	0.5000	0.5000	M
1	2.768	2.768	0.000	56710	0.5000	0.5000	M
1	2.833	2.833	0.000	41701	0.5000	0.5000	M
1	3.034	3.034	0.000	64388	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.345	3.345	0.000	75365	0.5000	0.5000	M
2	3.469	3.469	0.000	32113	0.5000	0.5000	M
2	3.641	3.641	0.000	49267	0.5000	0.5000	M
2	3.851	3.851	0.000	38026	0.5000	0.5000	M
2	4.087	4.087	0.000	28894	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	4.807	4.807	0.000	171534	0.5000	0.5000	M
1	4.843	4.843	0.000	309162	0.5000	0.5000	M
1	5.063	5.063	0.000	183993	0.5000	0.5000	M
1	5.206	5.206	0.000	86612	0.5000	0.5000	a
1	5.483	5.483	0.000	658501	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	6.032	6.032	0.000	138646	0.5000	0.5000	M
2	6.076	6.076	0.000	222522	0.5000	0.5000	M
2	6.371	6.371	0.000	157889	0.5000	0.5000	a
2	6.596	6.596	0.000	64617	0.5000	0.5000	a
2	7.018	7.018	0.000	535424	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00003 Amount Added: 0.25 Units: mL

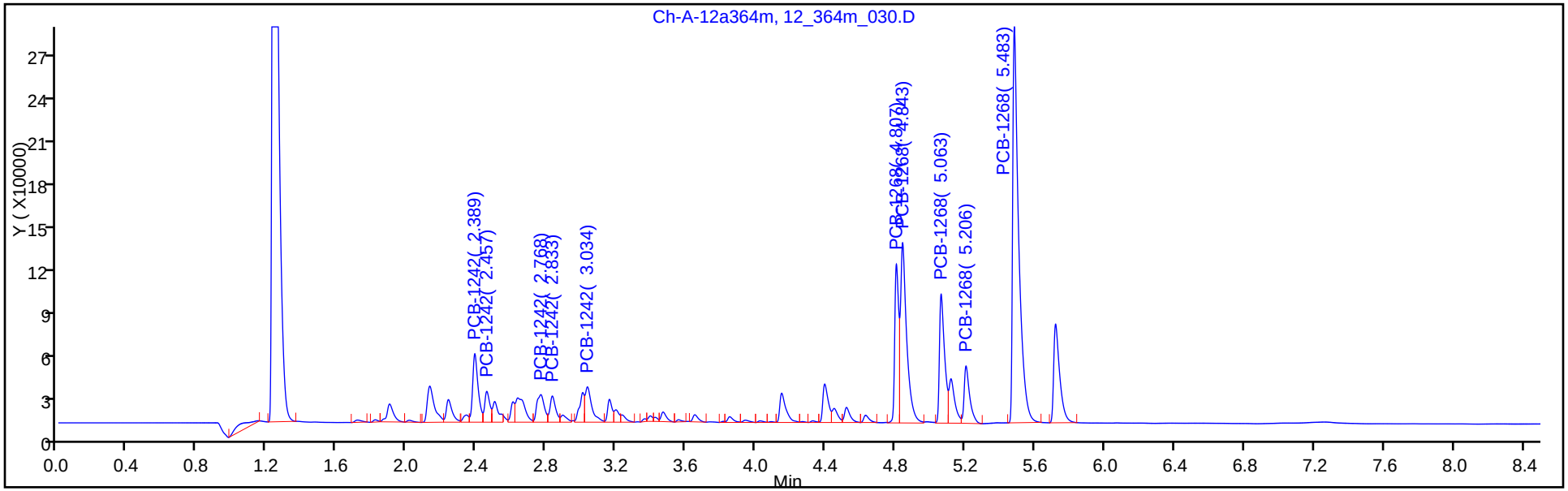
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

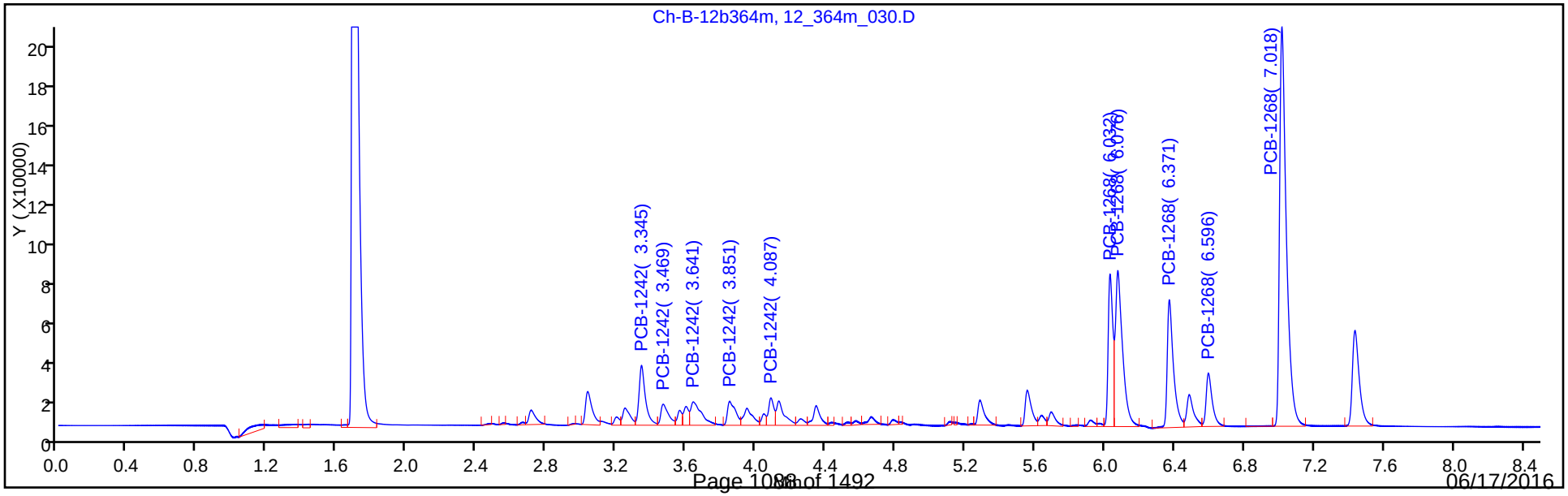
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date: 04-May-2016 21:14:09 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

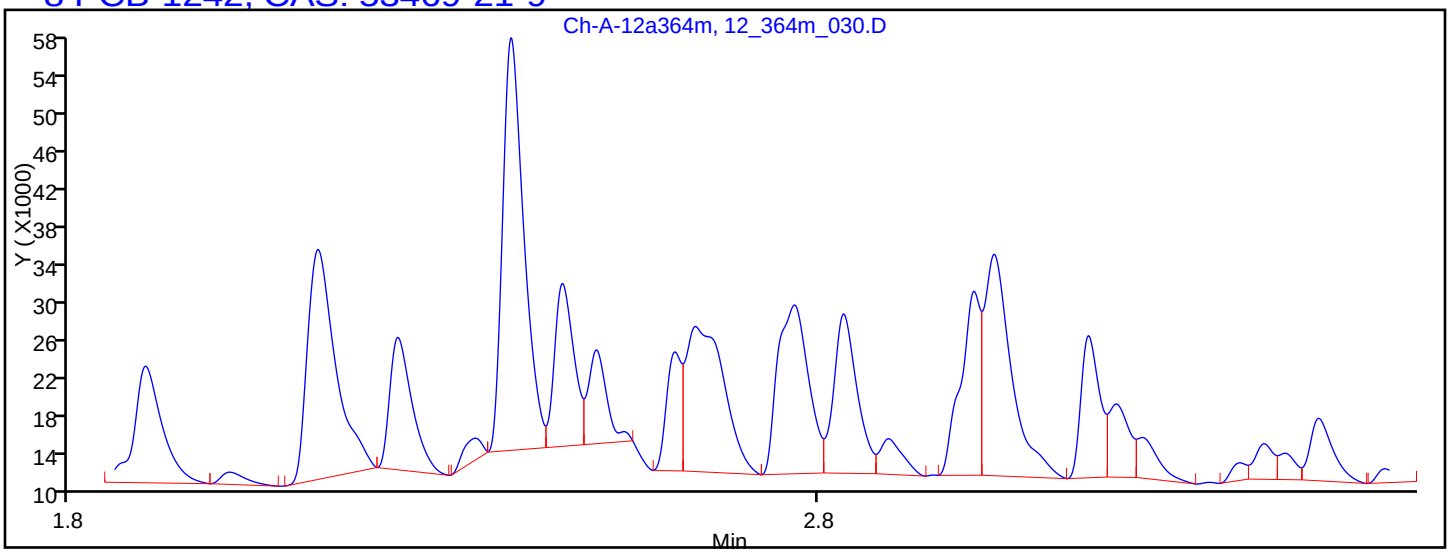
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

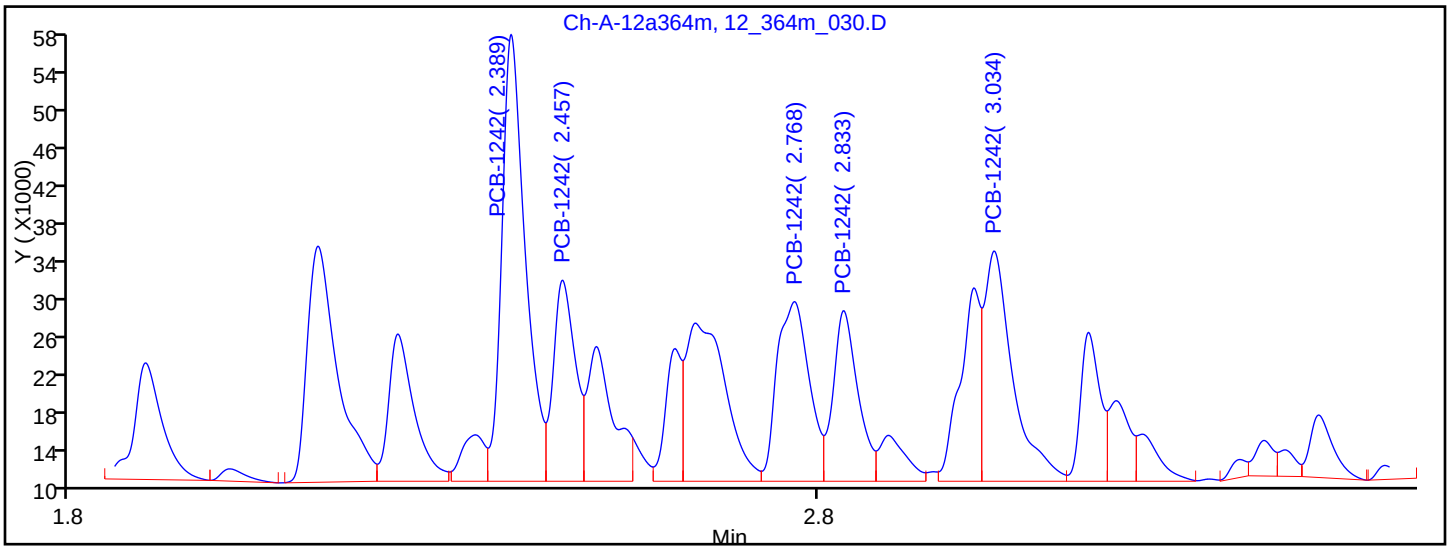
Column: Detector Ch-A-7A136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 2.503	Response = 17038	M
RT = 0.000	Response = 0	M
RT = 2.893	Response = 7905	M
RT = 0.000	Response = 0	M
RT = 3.161	Response = 26194	M



Manual Integration Results

RT = 2.389	Response = 103601	M
RT = 2.457	Response = 43392	M
RT = 2.768	Response = 56710	M
RT = 2.833	Response = 41701	M
RT = 3.034	Response = 64388	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

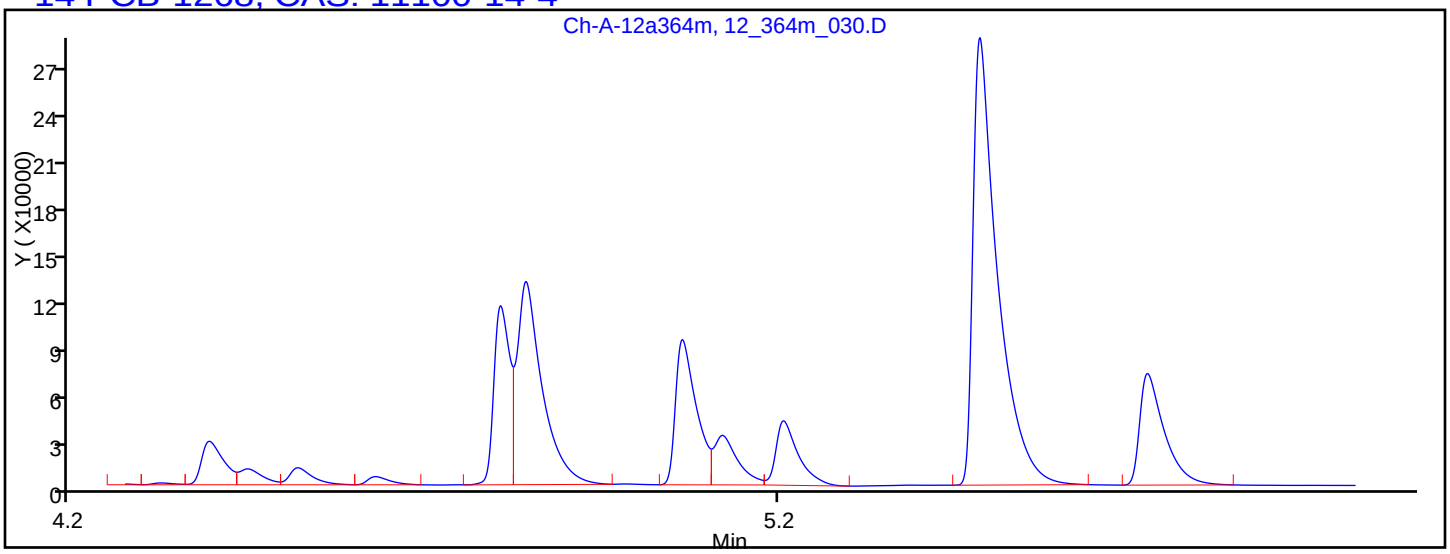
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

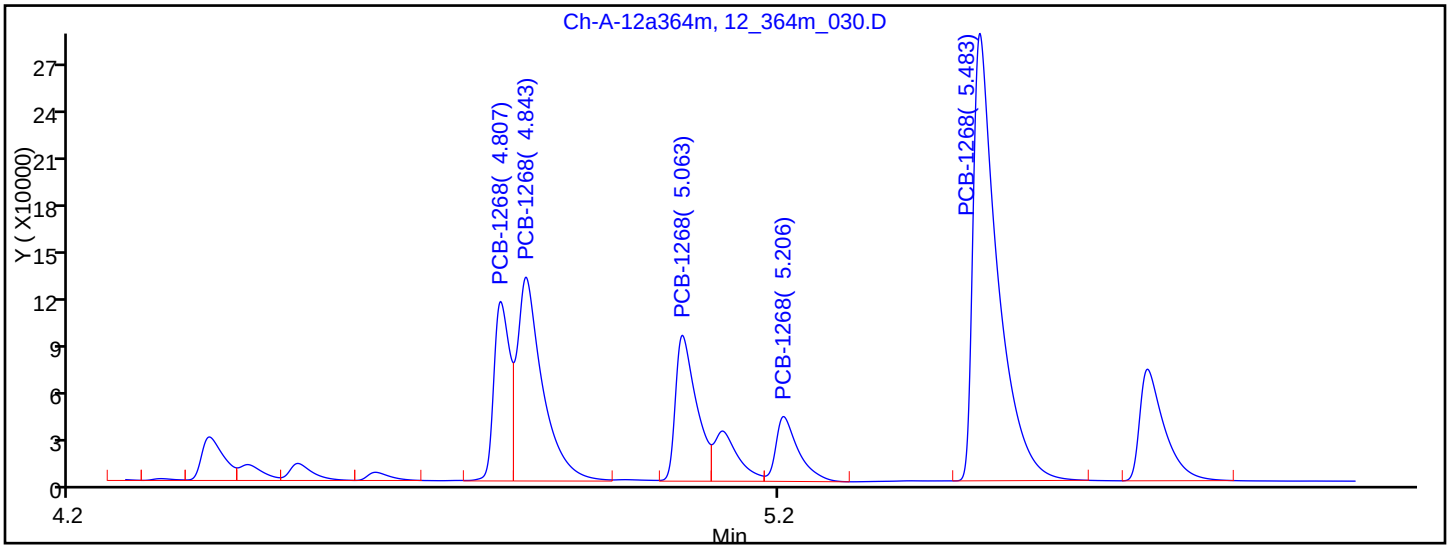
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results



Manual Integration Results

RT = 4.807	Response = 171534	M
RT = 4.843	Response = 309162	M
RT = 5.063	Response = 183993	M
RT = 5.206	Response = 86612	M
RT = 5.483	Response = 658501	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27393

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0674					Ave		0.0674						20.0			
PCB-1242 Peak 2	0.0287					Ave		0.0287						20.0			
PCB-1242 Peak 3	0.0440					Ave		0.0440						20.0			
PCB-1242 Peak 4	0.0340					Ave		0.0340						20.0			
PCB-1242 Peak 5	0.0258					Ave		0.0258						20.0			
PCB-1268 Peak 1	0.1239					Ave		0.1239						20.0			
PCB-1268 Peak 2	0.1989					Ave		0.1989						20.0			
PCB-1268 Peak 3	0.1411					Ave		0.1411						20.0			
PCB-1268 Peak 4	0.0578					Ave		0.0578						20.0			
PCB-1268 Peak 5	0.4786					Ave		0.4786						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27393

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	75365					0.500				
PCB-1242 Peak 2	BNB	Ave	32113					0.500				
PCB-1242 Peak 3	BNB	Ave	49267					0.500				
PCB-1242 Peak 4	BNB	Ave	38026					0.500				
PCB-1242 Peak 5	BNB	Ave	28894					0.500				
PCB-1268 Peak 1	BNB	Ave	138646					0.500				
PCB-1268 Peak 2	BNB	Ave	222522					0.500				
PCB-1268 Peak 3	BNB	Ave	157889					0.500				
PCB-1268 Peak 4	BNB	Ave	64617					0.500				
PCB-1268 Peak 5	BNB	Ave	535424					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:14:09 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:41:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:31:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1394403	0.5000	0.5000	
2	1.694	1.694	0.000	1118731	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.389	2.389	0.000	103601	0.5000	0.5000	M
1	2.457	2.457	0.000	43392	0.5000	0.5000	M
1	2.768	2.768	0.000	56710	0.5000	0.5000	M
1	2.833	2.833	0.000	41701	0.5000	0.5000	M
1	3.034	3.034	0.000	64388	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.345	3.345	0.000	75365	0.5000	0.5000	M
2	3.469	3.469	0.000	32113	0.5000	0.5000	M
2	3.641	3.641	0.000	49267	0.5000	0.5000	M
2	3.851	3.851	0.000	38026	0.5000	0.5000	M
2	4.087	4.087	0.000	28894	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	4.807	4.807	0.000	171534	0.5000	0.5000	M
1	4.843	4.843	0.000	309162	0.5000	0.5000	M
1	5.063	5.063	0.000	183993	0.5000	0.5000	M
1	5.206	5.206	0.000	86612	0.5000	0.5000	a
1	5.483	5.483	0.000	658501	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	6.032	6.032	0.000	138646	0.5000	0.5000	M
2	6.076	6.076	0.000	222522	0.5000	0.5000	M
2	6.371	6.371	0.000	157889	0.5000	0.5000	a
2	6.596	6.596	0.000	64617	0.5000	0.5000	a
2	7.018	7.018	0.000	535424	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00003 Amount Added: 0.25 Units: mL

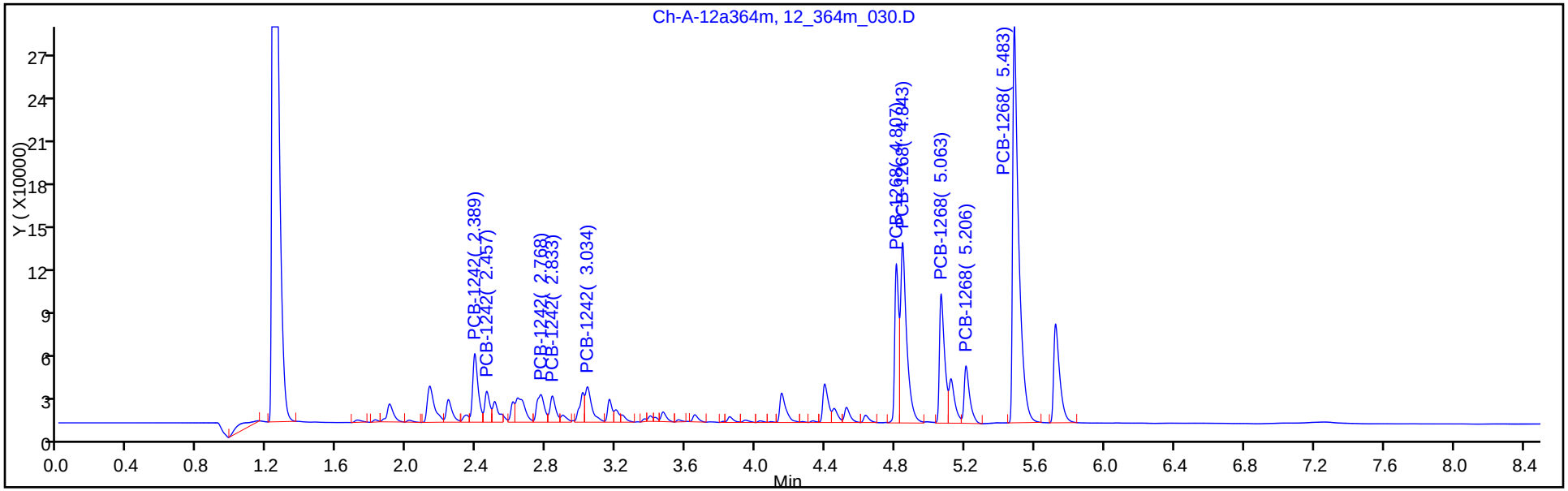
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

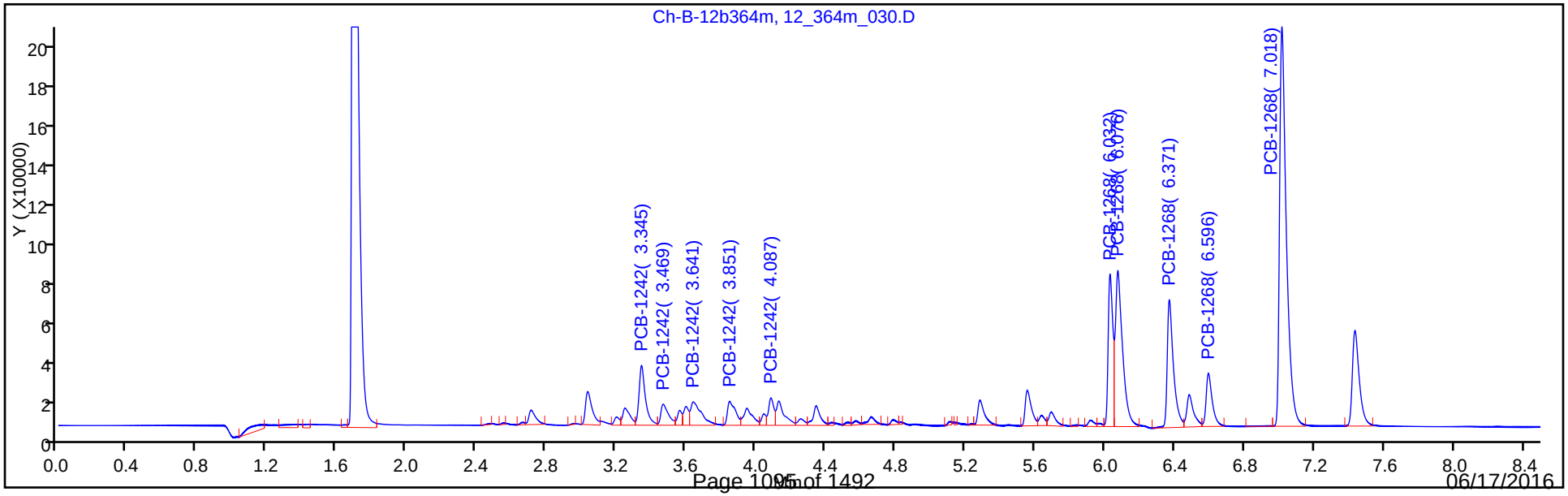
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date: 04-May-2016 21:14:09 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

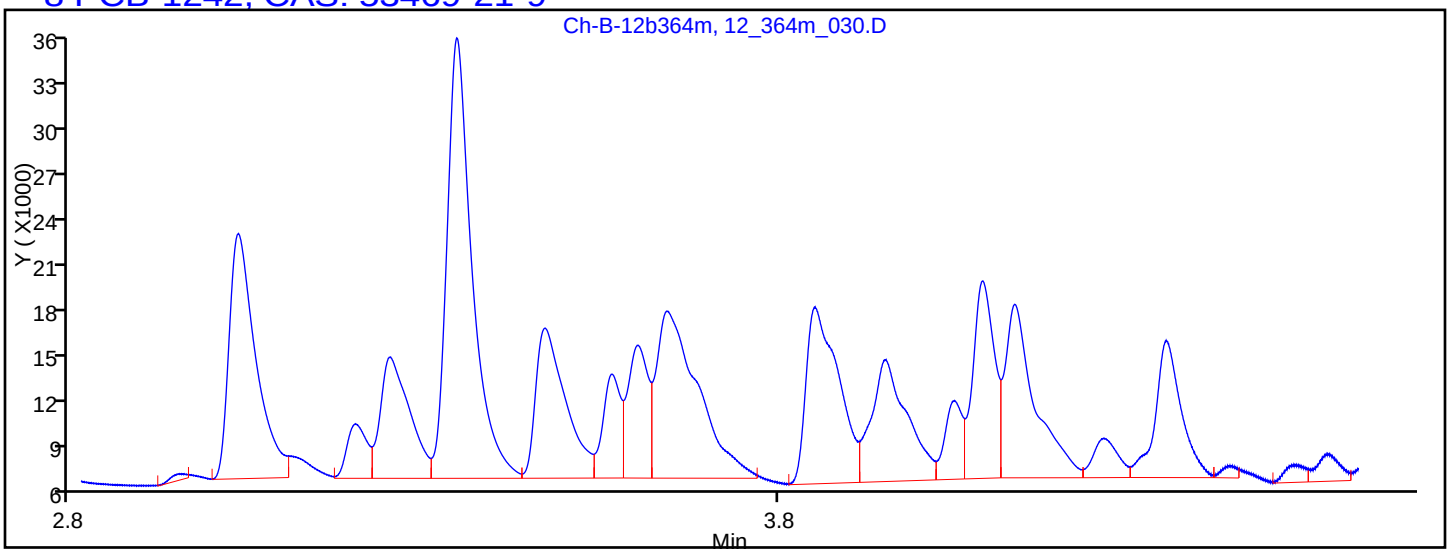
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

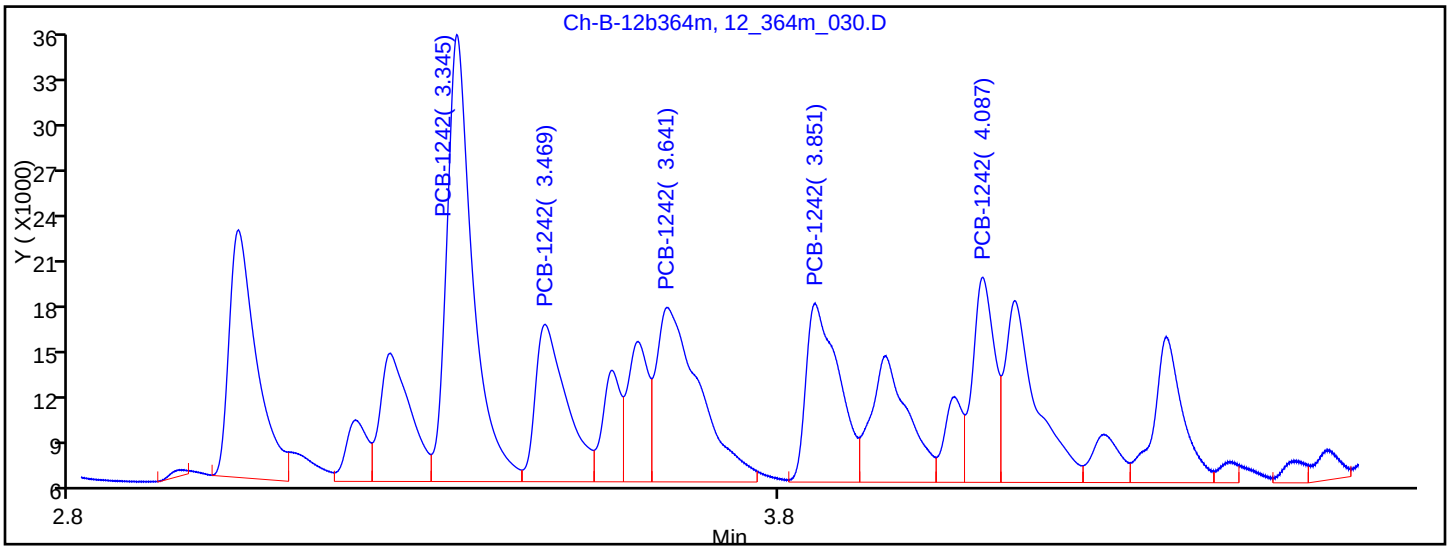
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 3.564	Response = 11852	M
RT = 0.000	Response = 0	M
RT = 3.951	Response = 28076	M
RT = 4.132	Response = 33351	M



Manual Integration Results

RT = 3.345	Response = 75365	M
RT = 3.469	Response = 32113	M
RT = 3.641	Response = 49267	M
RT = 3.851	Response = 38026	M
RT = 4.087	Response = 28894	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

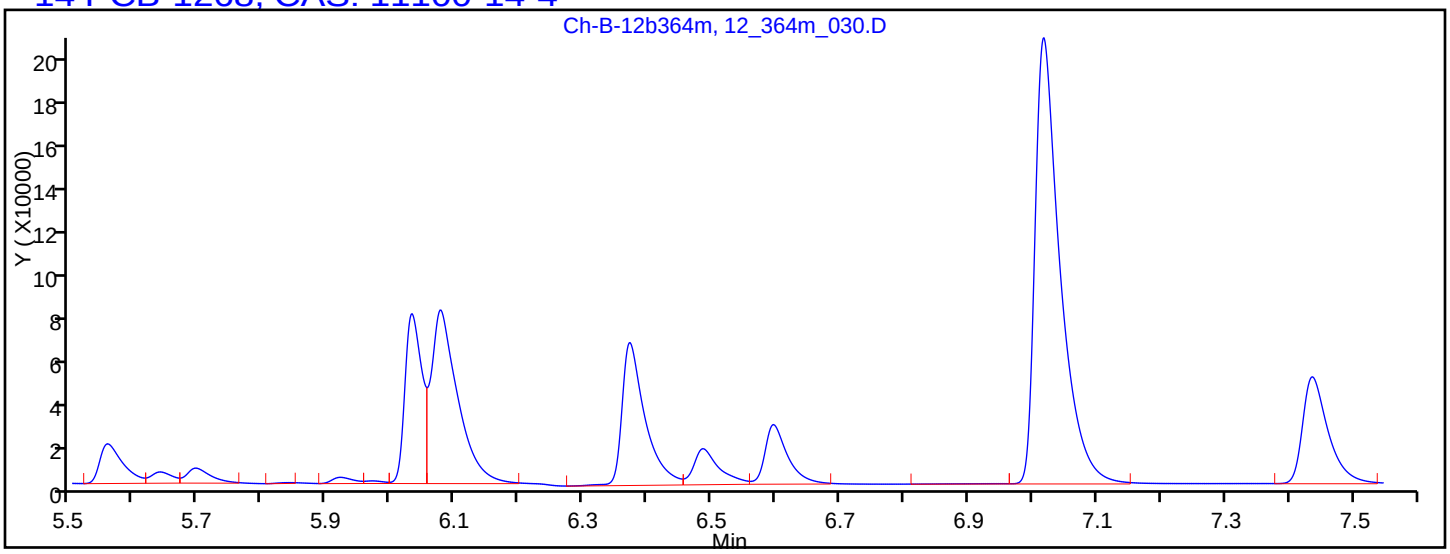
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

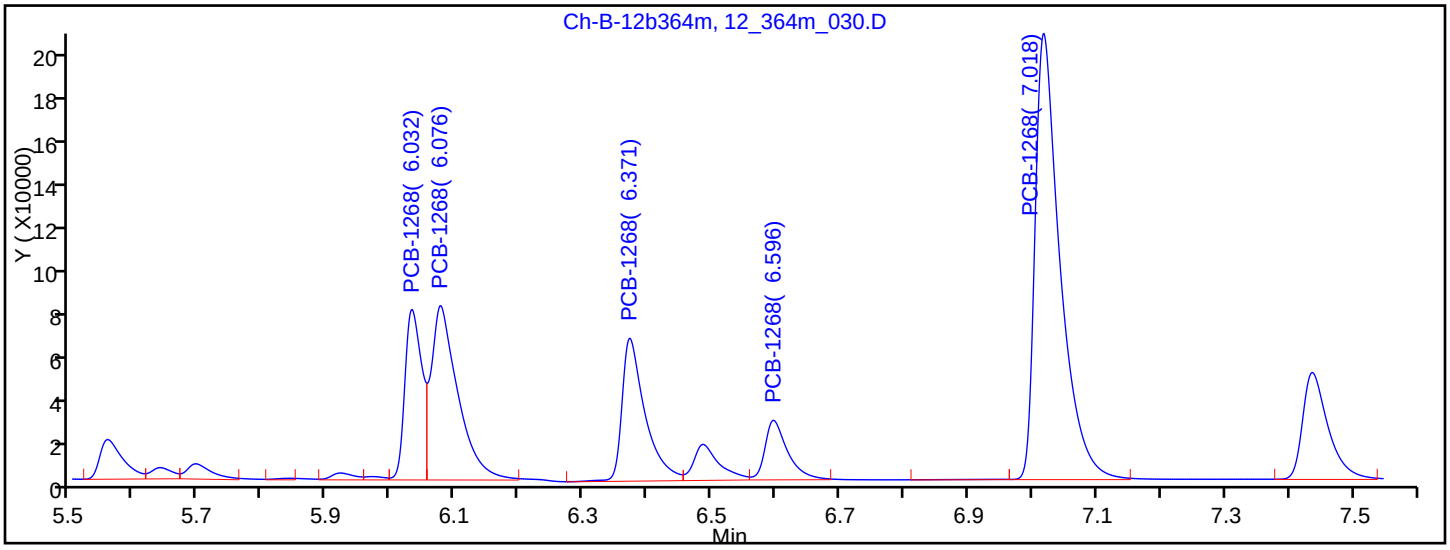
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results



Manual Integration Results

RT = 6.032	Response = 138646	M
RT = 6.076	Response = 222522	M
RT = 6.371	Response = 157889	M
RT = 6.596	Response = 64617	M
RT = 7.018	Response = 535424	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0687					Ave		0.0687						20.0			
PCB-1248 Peak 2	0.0594					Ave		0.0594						20.0			
PCB-1248 Peak 3	0.0462					Ave		0.0462						20.0			
PCB-1248 Peak 4	0.0853					Ave		0.0853						20.0			
PCB-1248 Peak 5	0.0323					Ave		0.0323						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	94731					0.500				
PCB-1248 Peak 2	BNB	Ave	81936					0.500				
PCB-1248 Peak 3	BNB	Ave	63746					0.500				
PCB-1248 Peak 4	BNB	Ave	117522					0.500				
PCB-1248 Peak 5	BNB	Ave	44581					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:44:49 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:58:50 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:41:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1378555	0.5000	0.5000	
2	1.694	1.694	0.000	1089259	0.5000	0.5000	M
						RPD = 0.00	
10 PCB-1248							M
1	2.633	2.633	0.000	94731	0.5000	0.5000	M
1	2.751	2.751	0.000	81936	0.5000	0.5000	M
1	2.831	2.831	0.000	63746	0.5000	0.5000	M
1	3.035	3.035	0.000	117522	0.5000	0.5000	M
1	3.159	3.159	0.000	44581	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.639	3.639	0.000	72184	0.5000	0.5000	M
2	3.847	3.847	0.000	53049	0.5000	0.5000	M
2	3.949	3.949	0.000	45718	0.5000	0.5000	M
2	4.085	4.085	0.000	50840	0.5000	0.5000	M
2	4.344	4.344	0.000	48222	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00003 Amount Added: 0.25 Units: mL

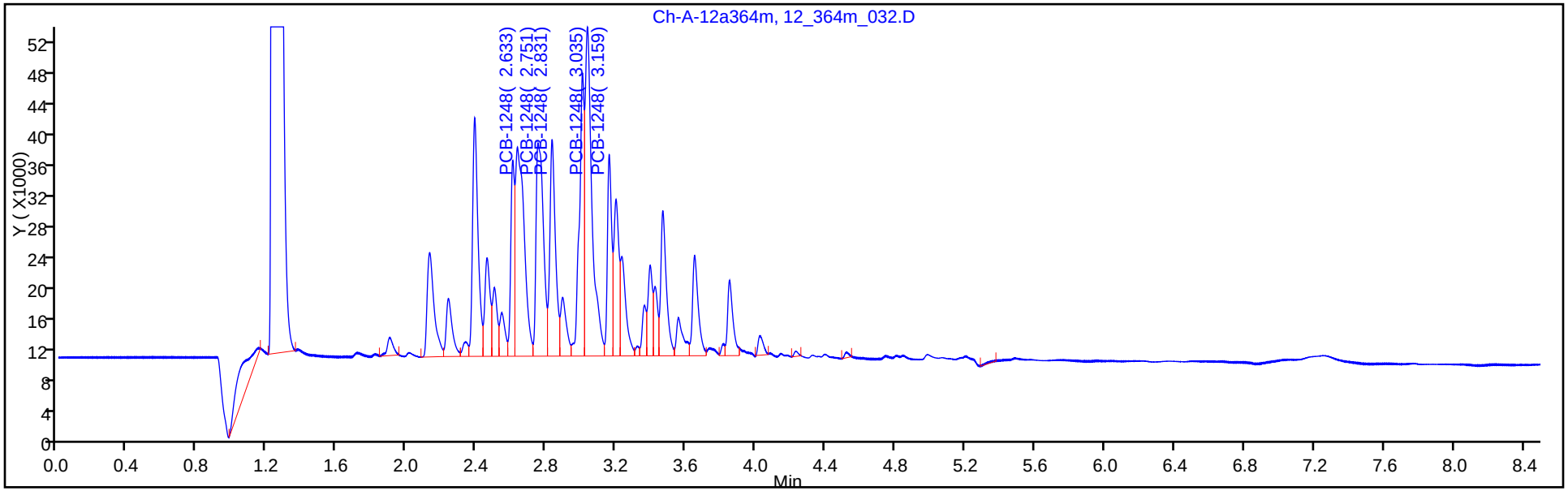
Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

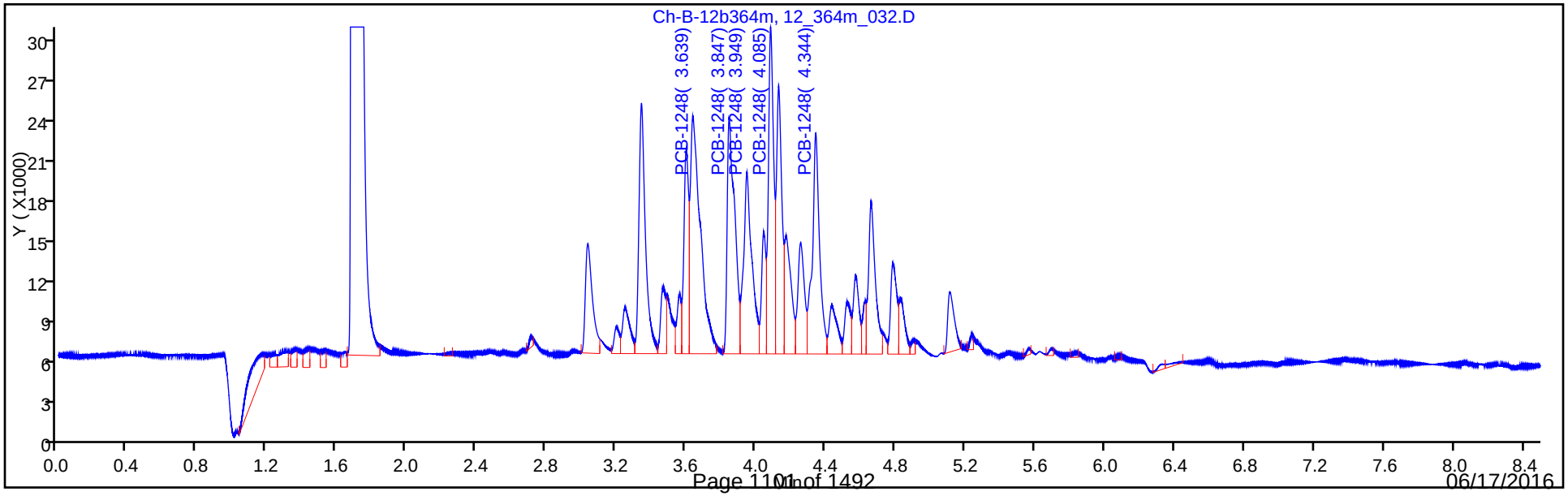
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Injection Date:	04-May-2016 21:44:49	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Injection Date: 04-May-2016 21:44:49 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

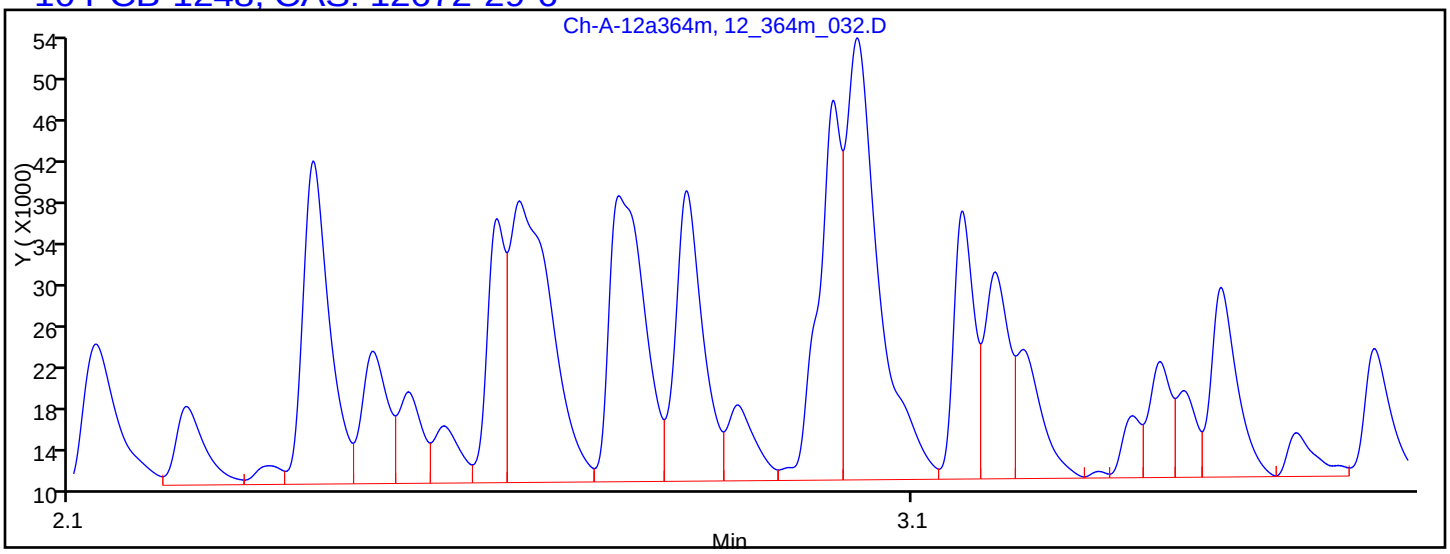
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

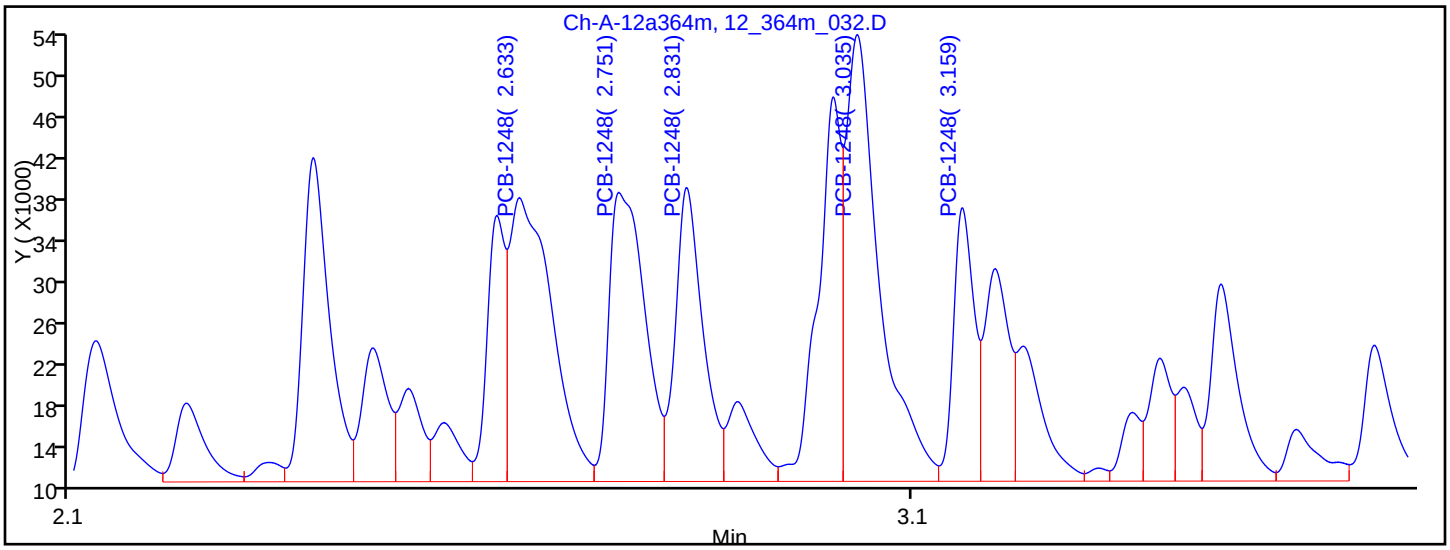
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 2.751	Response = 80436	M
RT = 2.893	Response = 16582	M
RT = 0.000	Response = 0	M
RT = 3.159	Response = 43015	M
RT = 0.000	Response = 0	M



Manual Integration Results

RT = 2.633	Response = 94731	M
RT = 2.751	Response = 81936	M
RT = 2.831	Response = 63746	M
RT = 3.035	Response = 117522	M
RT = 3.159	Response = 44581	M

Reviewer: sobolk, 05-May-2016 16:51:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27399

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0663					Ave		0.0663						20.0			
PCB-1248 Peak 2	0.0487					Ave		0.0487						20.0			
PCB-1248 Peak 3	0.0420					Ave		0.0420						20.0			
PCB-1248 Peak 4	0.0467					Ave		0.0467						20.0			
PCB-1248 Peak 5	0.0443					Ave		0.0443						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27399

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	72184					0.500				
PCB-1248 Peak 2	BNB	Ave	53049					0.500				
PCB-1248 Peak 3	BNB	Ave	45718					0.500				
PCB-1248 Peak 4	BNB	Ave	50840					0.500				
PCB-1248 Peak 5	BNB	Ave	48222					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:44:49 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:58:50 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:41:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1378555	0.5000	0.5000	
2	1.694	1.694	0.000	1089259	0.5000	0.5000	M
						RPD = 0.00	
10 PCB-1248							M
1	2.633	2.633	0.000	94731	0.5000	0.5000	M
1	2.751	2.751	0.000	81936	0.5000	0.5000	M
1	2.831	2.831	0.000	63746	0.5000	0.5000	M
1	3.035	3.035	0.000	117522	0.5000	0.5000	M
1	3.159	3.159	0.000	44581	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.639	3.639	0.000	72184	0.5000	0.5000	M
2	3.847	3.847	0.000	53049	0.5000	0.5000	M
2	3.949	3.949	0.000	45718	0.5000	0.5000	M
2	4.085	4.085	0.000	50840	0.5000	0.5000	M
2	4.344	4.344	0.000	48222	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00003 Amount Added: 0.25 Units: mL

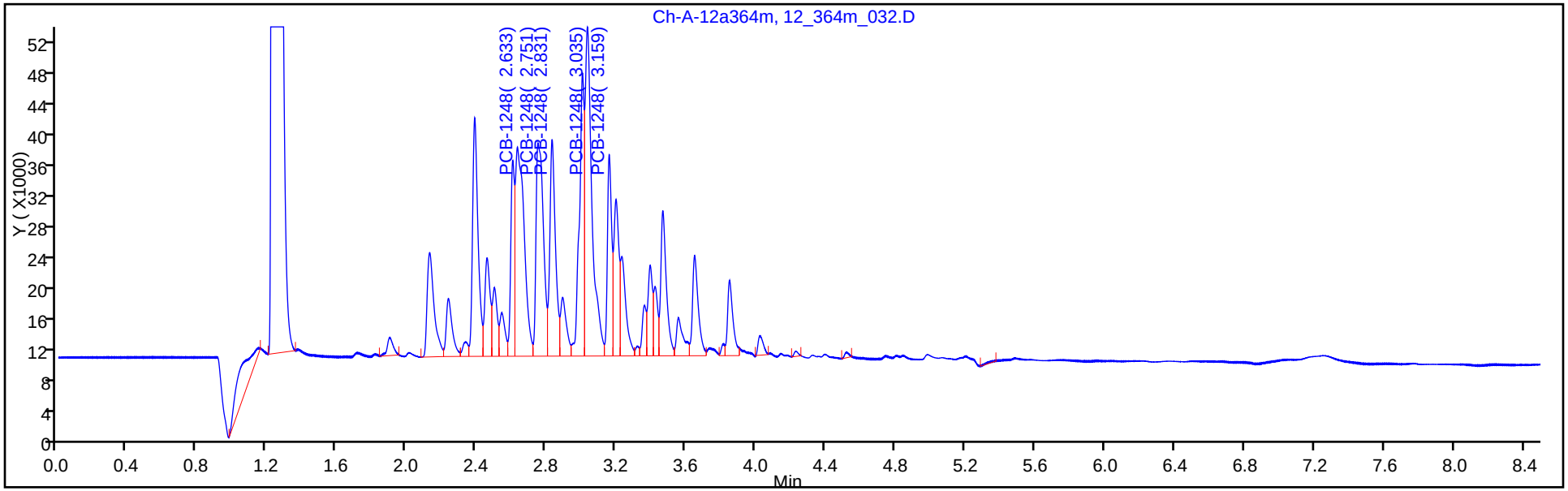
Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

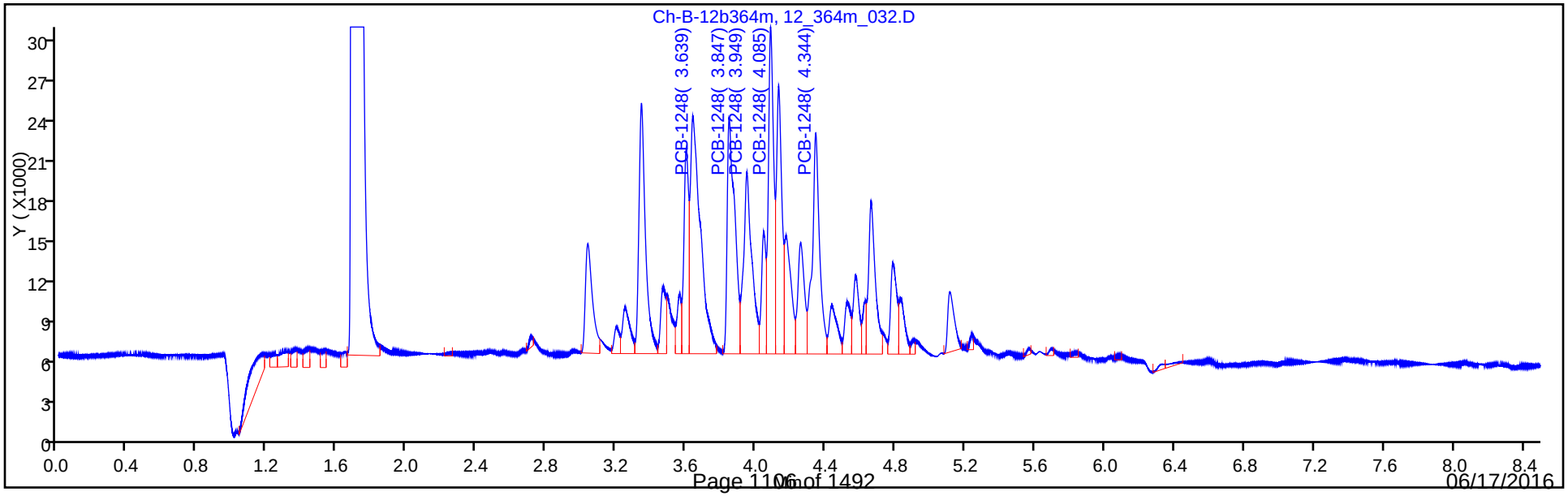
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Injection Date:	04-May-2016 21:44:49	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

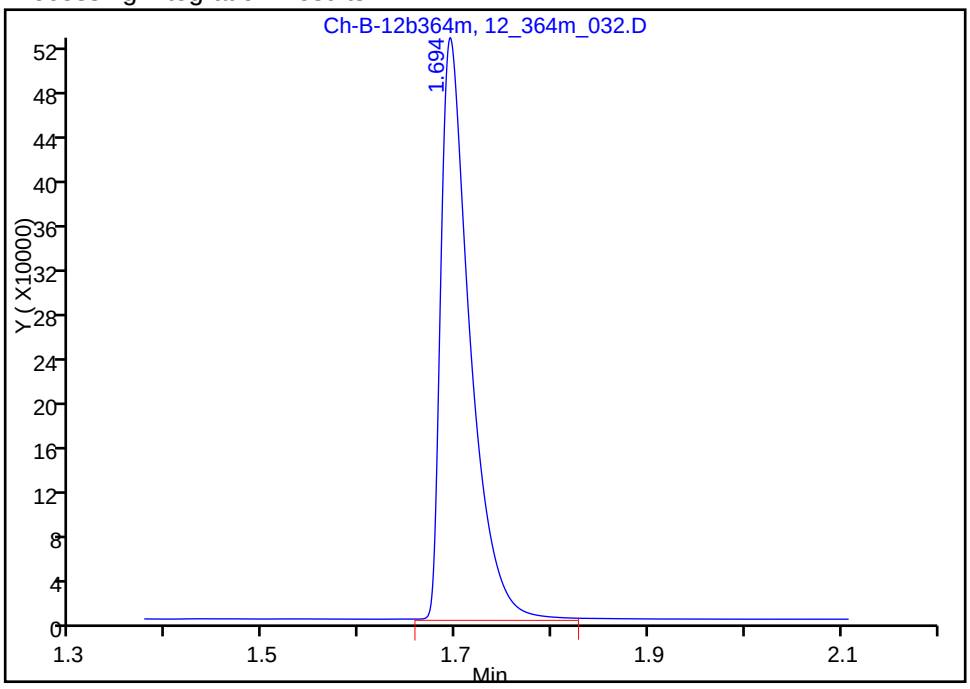
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D
Injection Date: 04-May-2016 21:44:49 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

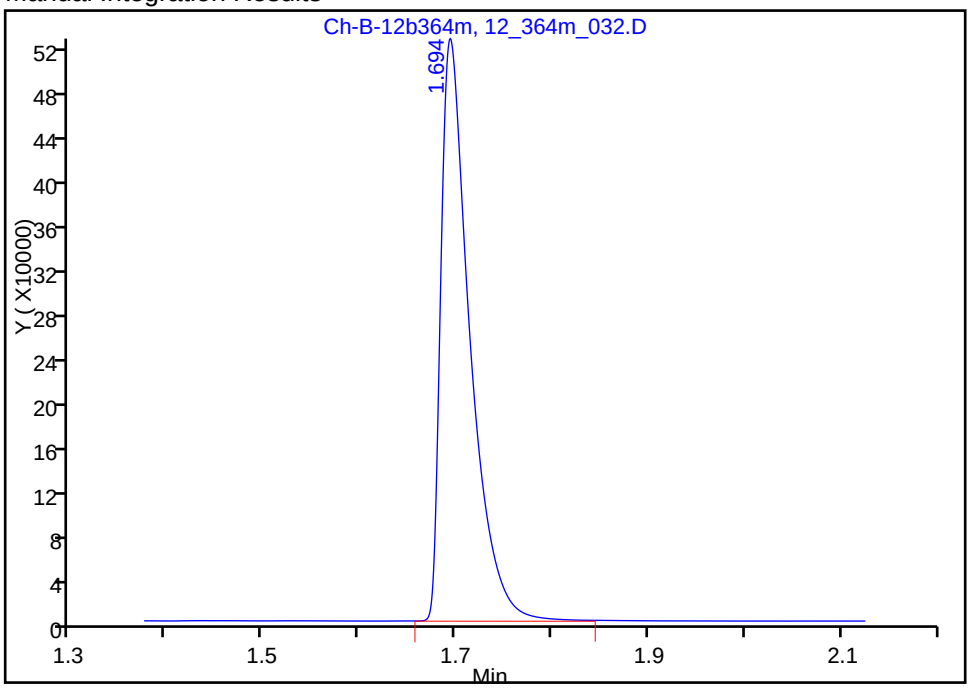
Processing Integration Results

RT: 1.69
Area: 1097516
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 1089259
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 05-May-2016 16:53:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Injection Date: 04-May-2016 21:44:49 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

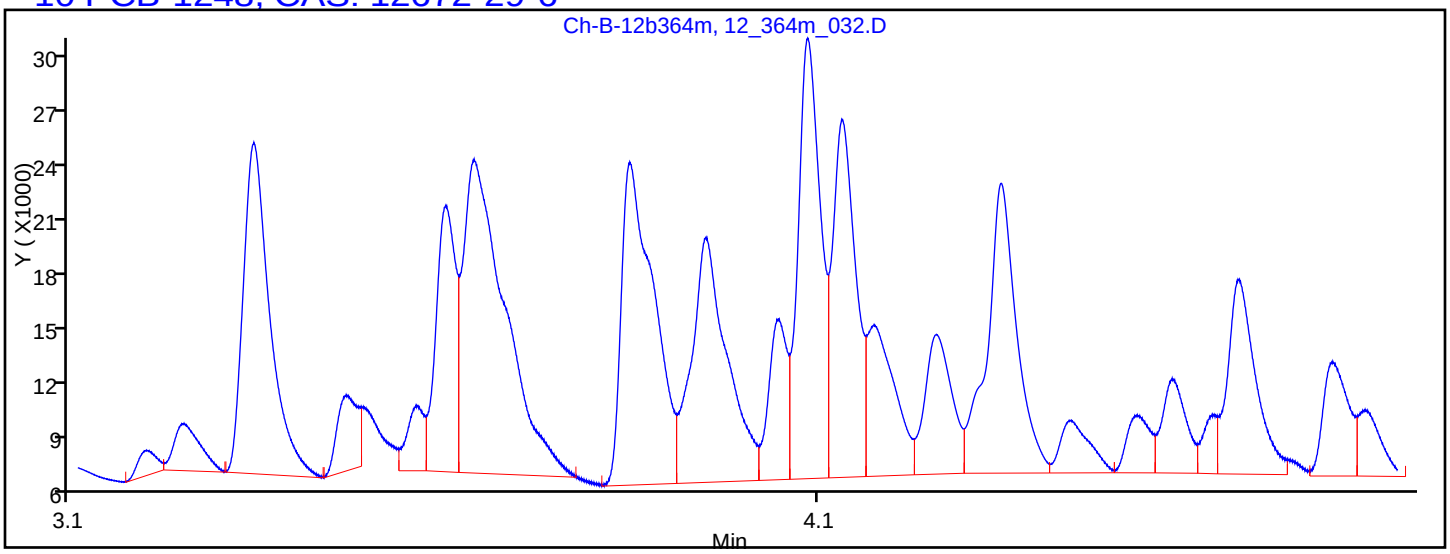
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

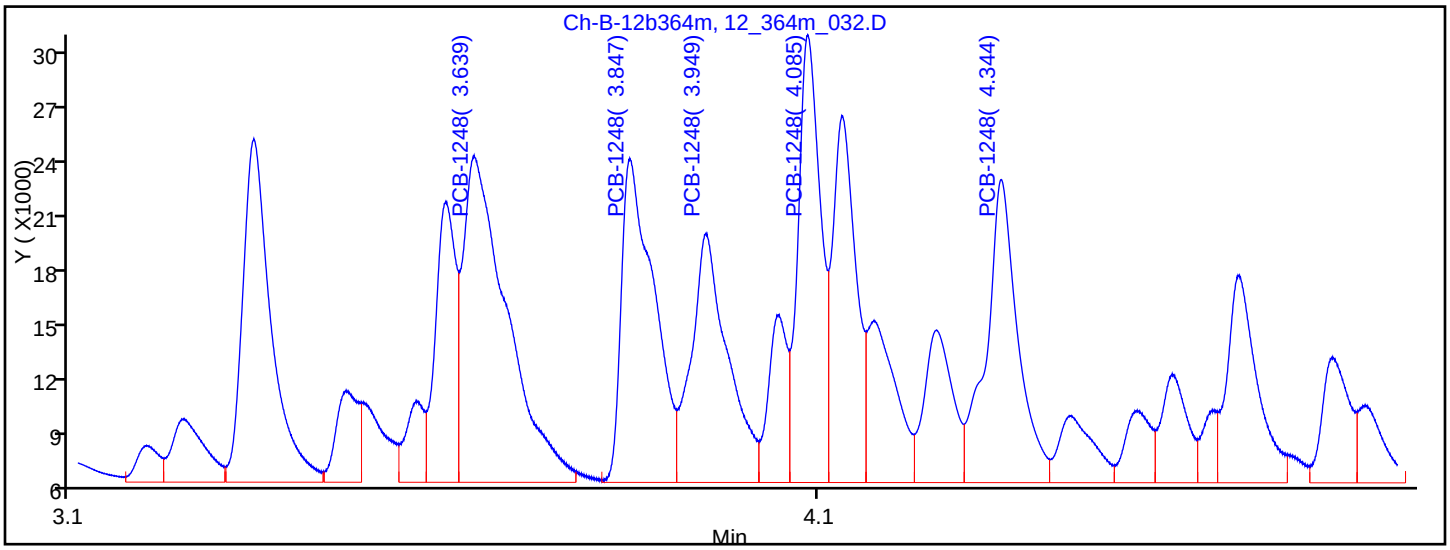
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 3.949	Response = 43804	M
RT = 4.174	Response = 20881	M
RT = 0.000	Response = 0	M
RT = 4.438	Response = 7734	M



Manual Integration Results

RT = 3.639	Response = 72184	M
RT = 3.847	Response = 53049	M
RT = 3.949	Response = 45718	M
RT = 4.085	Response = 50840	M
RT = 4.344	Response = 48222	M

Reviewer: sobolk, 05-May-2016 16:52:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 16:57 Calibration End Date: 04/28/2016 18:50 Calibration ID: 27241

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/8	7_04-103.D
Level 2	IC 480-298867/7	7_04-102.D
Level 3	IC 480-298867/6	7_04-101.D
Level 4	IC 480-298867/5	7_04-100.D
Level 5	ICIS 480-298867/4	7_04-099.D
Level 6	IC 480-298867/3	7_04-098.D
Level 7	IC 480-298867/2	7_04-097.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0585 0.0385	0.0502 0.0374	0.0470	0.0442	0.0414	Ave		0.0453				16.3		20.0			
PCB-1016 Peak 2	0.0353 0.0239	0.0306 0.0233	0.0290	0.0272	0.0257	Ave		0.0278				15.1		20.0			
PCB-1016 Peak 3	0.1063 0.0843	0.0949 0.0830	0.0925	0.0905	0.0881	Ave		0.0914				8.6		20.0			
PCB-1016 Peak 4	0.0469 0.0315	0.0389 0.0310	0.0370	0.0348	0.0333	Ave		0.0362				15.2		20.0			
PCB-1016 Peak 5	0.0283 0.0217	0.0260 0.0218	0.0252	0.0239	0.0230	Ave		0.0243				9.9		20.0			
PCB-1260 Peak 1	0.0871 0.0659	0.0778 0.0670	0.0740	0.0708	0.0685	Ave		0.0730				10.3		20.0			
PCB-1260 Peak 2	0.0519 0.0373	0.0452 0.0376	0.0429	0.0404	0.0381	Ave		0.0419				12.6		20.0			
PCB-1260 Peak 3	0.0478 0.0358	0.0428 0.0358	0.0400	0.0383	0.0365	Ave		0.0396				11.2		20.0			
PCB-1260 Peak 4	0.1114 0.0889	0.0981 0.0891	0.0941	0.0922	0.0899	Ave		0.0948				8.5		20.0			
PCB-1260 Peak 5	0.0591 0.0417	0.0505 0.0416	0.0472	0.0449	0.0425	Ave		0.0468				13.5		20.0			
Tetrachloro-m-xylene	1.6955 1.3367	1.5646 1.3185	1.4227	1.3647	1.3079	Ave		1.4301				10.3		20.0			
DCB Decachlorobiphenyl	+++++ 0.7559	1.0510 0.7275	0.9803	0.9117	0.8098	Lin1	0.0005	0.7317							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 16:57 Calibration End Date: 04/28/2016 18:50 Calibration ID: 27241

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/8	7_04-103.D
Level 2	IC 480-298867/7	7_04-102.D
Level 3	IC 480-298867/6	7_04-101.D
Level 4	IC 480-298867/5	7_04-100.D
Level 5	ICIS 480-298867/4	7_04-099.D
Level 6	IC 480-298867/3	7_04-098.D
Level 7	IC 480-298867/2	7_04-097.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	32716 1035686	73101 2022930	130212	242943	562833	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	19765 642524	44543 1263254	80228	149201	348961	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	59427 2267504	138274 4491144	256303	497468	1198956	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	26208 846476	56685 1677981	102458	191356	452445	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	15847 584434	37815 1180770	69883	131213	312431	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	48728 1771424	113372 3625407	204905	389085	931481	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	29005 1004206	65917 2036349	118877	221731	518702	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	26748 963118	62377 1937139	110914	210460	496048	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	62300 2391270	142960 4822447	260817	506414	1222449	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	33027 1120804	73598 2251506	130845	246564	578024	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	23705 898846	56998 1784060	98536	187465	444788	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	+++++ 508314	38288 984457	67895	125233	275382	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-097.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 28-Apr-2016 16:57:43 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:41 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 17:19:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.133	1.134	-0.001	13531267	0.5000	0.5000	a
2	1.062	1.063	-0.001	21909243	0.5000	0.5000	a
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.050	0.001	1784060	0.0500	0.0461	a
2	1.663	1.663	-0.001	2541215	0.0500	0.0473	a
						RPD = 2.65	
9 PCB-1016							
1	2.636	2.635	0.001	2022930	2.00	1.65	a
1	2.787	2.787	0.000	1263254	2.00	1.68	a
1	2.991	2.990	0.001	4491144	2.00	1.82	a
1	3.075	3.075	0.000	1677981	2.00	1.71	a
1	3.138	3.138	0.000	1180770	2.00	1.80	a
		Average of Peak Amounts =				1.73	
2	2.375	2.377	-0.002	3301932	2.00	1.65	a
2	2.686	2.687	-0.001	7731436	2.00	1.75	a
2	2.800	2.801	-0.001	2944118	2.00	1.79	a
2	2.893	2.895	-0.002	1756429	2.00	1.88	a
2	3.172	3.173	0.000	3548799	2.00	1.70	a
		Average of Peak Amounts =				1.75	
						RPD = 1.39	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.858	4.856	0.002	3625407	2.00	1.84	a
1	4.985	4.985	0.000	2036349	2.00	1.79	a
1	5.176	5.176	0.000	1937139	2.00	1.81	a
1	5.380	5.380	0.000	4822447	2.00	1.88	a
1	5.628	5.628	0.000	2251506	2.00	1.78	a
		Average of Peak Amounts =				1.82	
2	4.541	4.543	-0.001	4283741	2.00	1.82	a
2	4.590	4.590	0.000	3766669	2.00	1.79	a
2	4.852	4.853	0.000	3929709	2.00	1.86	a
2	4.988	4.990	-0.002	9808198	2.00	1.95	a
2	5.323	5.324	-0.002	5682616	2.00	1.93	a
		Average of Peak Amounts =				1.87	
						RPD = 2.67	
$ 15 DCB Decachlorobiphenyl							
1	7.046	7.043	0.003	984457	0.0500	0.0490	a
2	6.405	6.405	0.000	1888788	0.0500	0.0492	a
						RPD = 0.45	

Reagents:

1660sur/is2.0_00003 Amount Added: 0.25 Units: mL

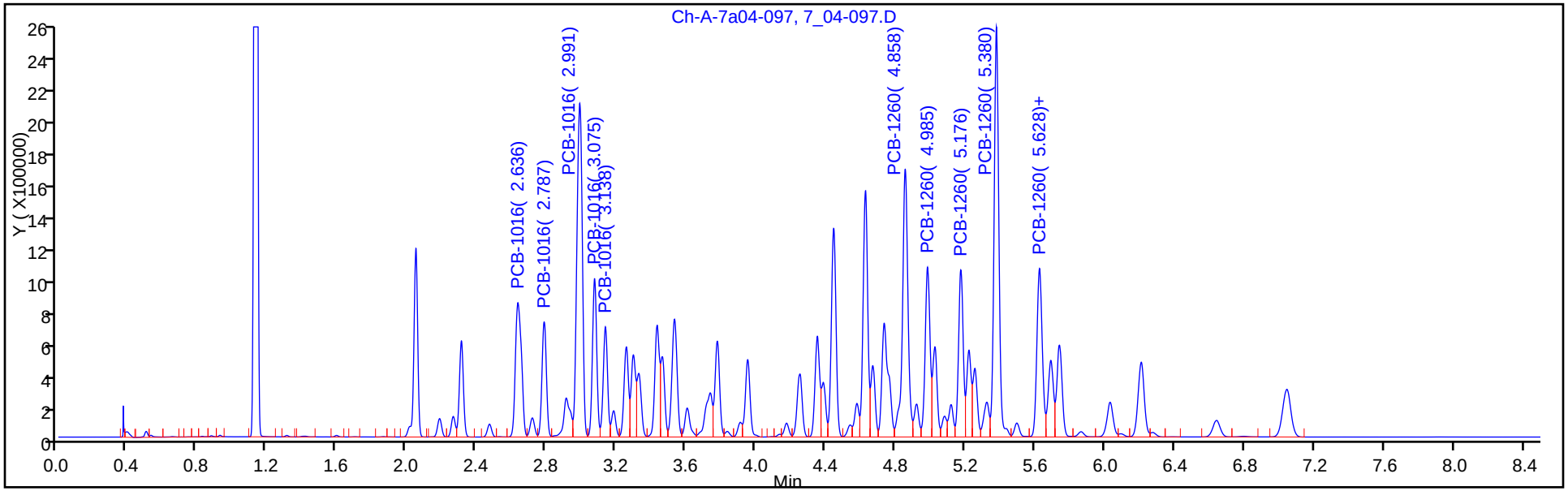
Report Date: 29-Apr-2016 01:45:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

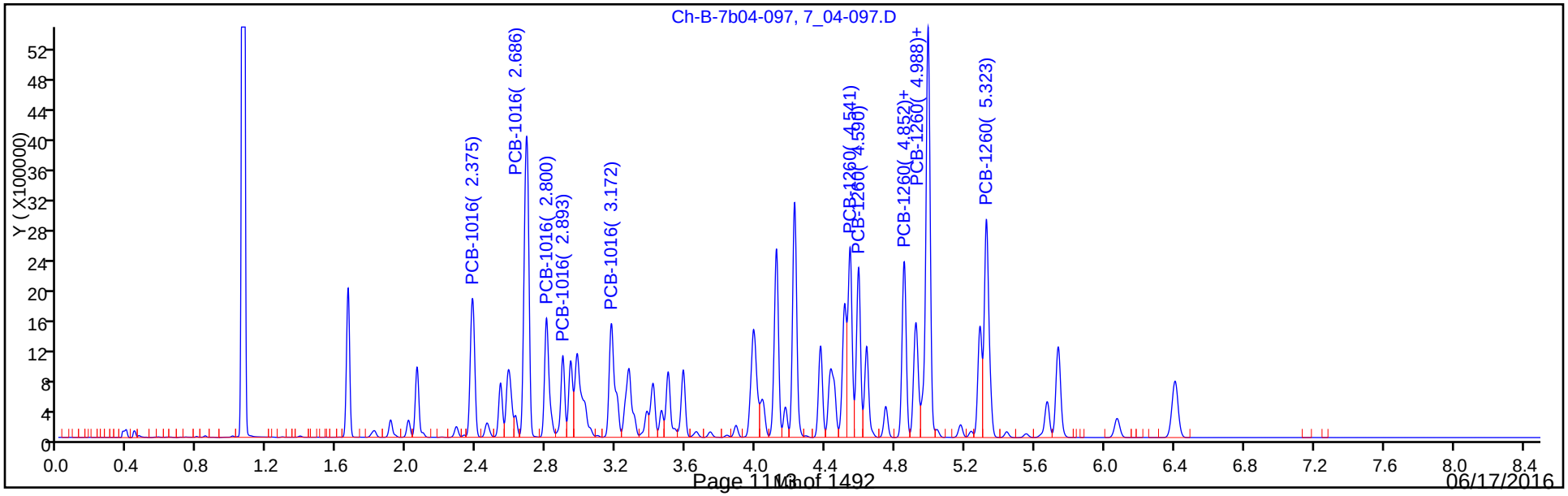
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-097.D

Injection Date:	28-Apr-2016 16:57:43	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-098.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 28-Apr-2016 17:16:29 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:47 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 17:32:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.134	1.134	0.000	13449223	0.5000	0.5000	M
2	1.063	1.063	-0.001	21750700	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.050	0.001	898846	0.0250	0.0234	
2	1.663	1.663	-0.001	1187712	0.0250	0.0223	
						RPD = 4.73	
9 PCB-1016							
1	2.636	2.635	0.001	1035686	1.00	0.8499	
1	2.787	2.787	0.000	642524	1.00	0.8579	
1	2.990	2.990	0.000	2267504	1.00	0.9226	
1	3.076	3.075	0.001	846476	1.00	0.8696	
1	3.138	3.138	0.000	584434	1.00	0.8952	
		Average of Peak Amounts =				0.8790	
2	2.375	2.377	-0.002	1757768	1.00	0.8837	
2	2.686	2.687	-0.001	4001586	1.00	0.9147	
2	2.799	2.801	-0.002	1510042	1.00	0.9250	
2	2.893	2.895	-0.002	819734	1.00	0.8847	
2	3.171	3.173	-0.001	1815506	1.00	0.8758	
		Average of Peak Amounts =				0.8968	
						RPD = 2.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.857	4.856	0.001	1771424	1.00	0.9021	
1	4.986	4.985	0.001	1004206	1.00	0.8905	
1	5.176	5.176	0.000	963118	1.00	0.9047	
1	5.380	5.380	0.000	2391270	1.00	0.9376	
1	5.627	5.628	-0.001	1120804	1.00	0.8908	
		Average of Peak Amounts =				0.9052	
2	4.540	4.543	-0.002	2274579	1.00	0.9715	
2	4.589	4.590	-0.001	1971748	1.00	0.9430	
2	4.851	4.853	-0.001	1994731	1.00	0.9531	
2	4.988	4.990	-0.002	4790781	1.00	0.9587	
2	5.323	5.324	-0.002	2785129	1.00	0.9504	
		Average of Peak Amounts =				0.9553	
						RPD = 5.39	
$ 15 DCB Decachlorobiphenyl							
1	7.043	7.043	0.000	508314	0.0250	0.0251	
2	6.403	6.405	-0.003	969198	0.0250	0.0252	
						RPD = 0.56	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00004 Amount Added: 0.25 Units: mL

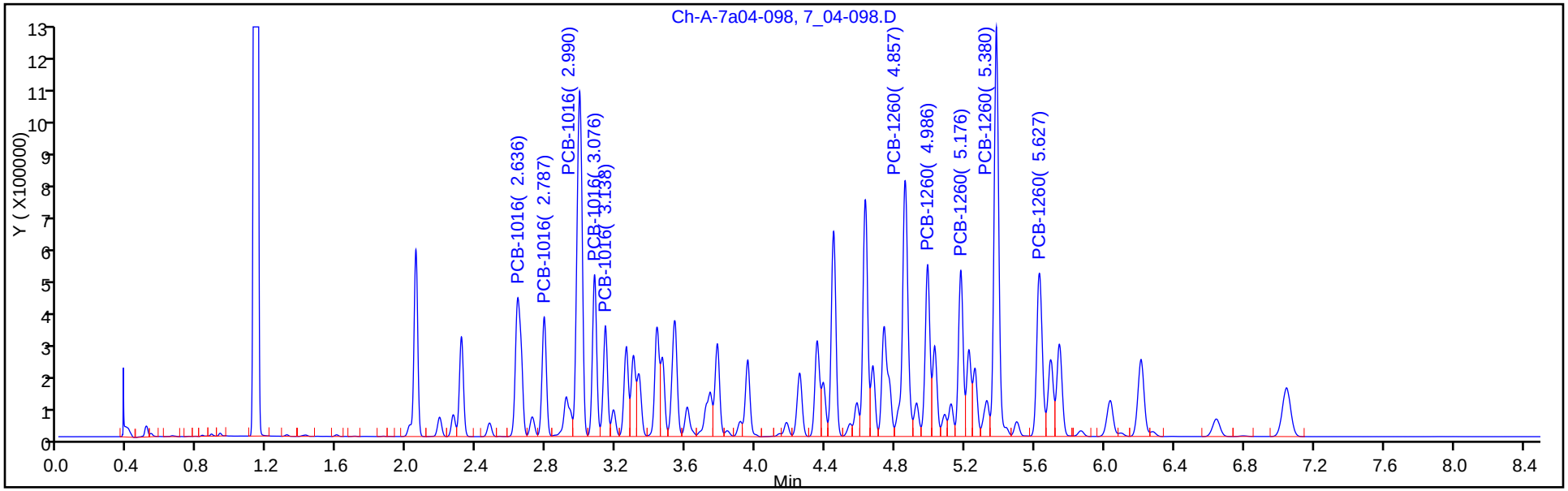
Report Date: 29-Apr-2016 01:45:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

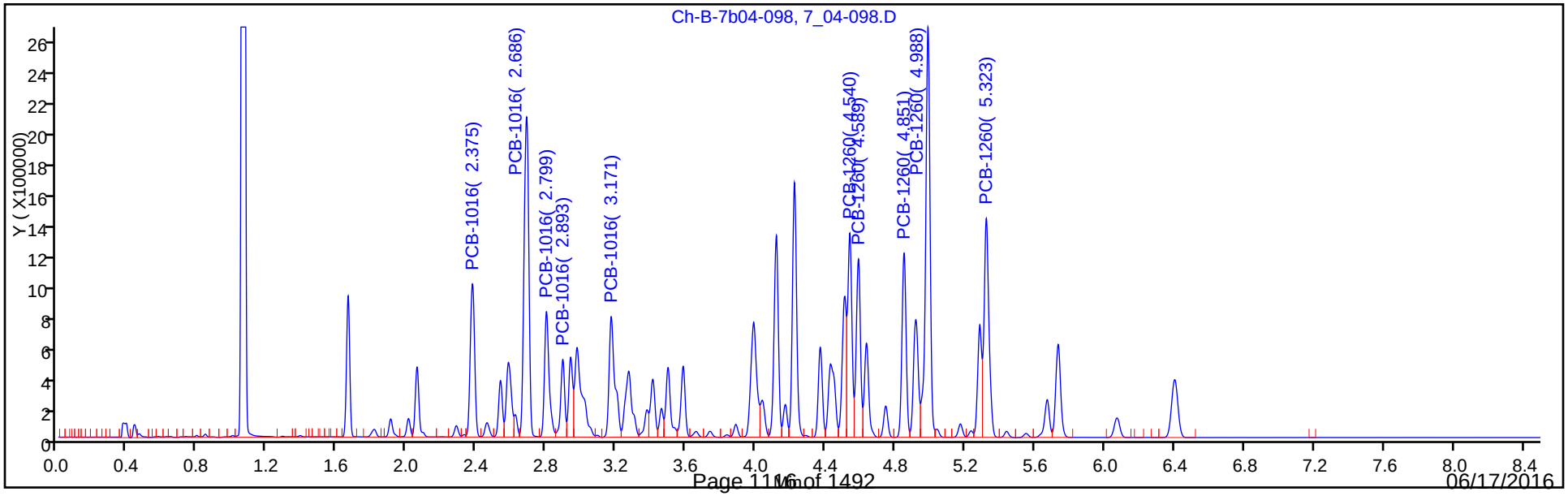
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-098.D

Injection Date:	28-Apr-2016 17:16:29	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

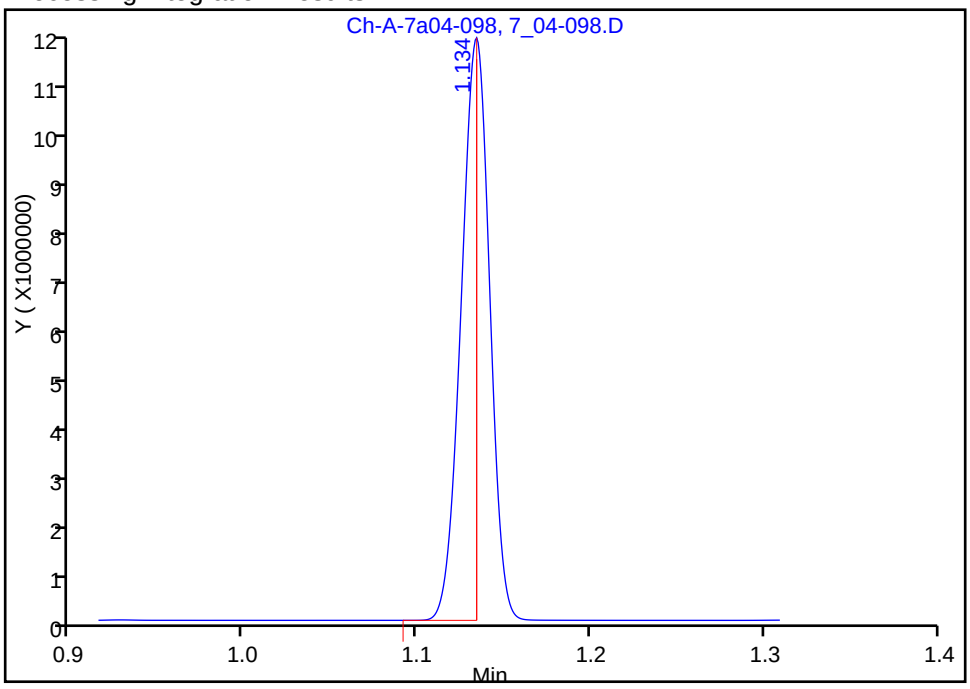
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-098.D
Injection Date: 28-Apr-2016 17:16:29 Instrument ID: HP6890-7
Lims ID: IC 6
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

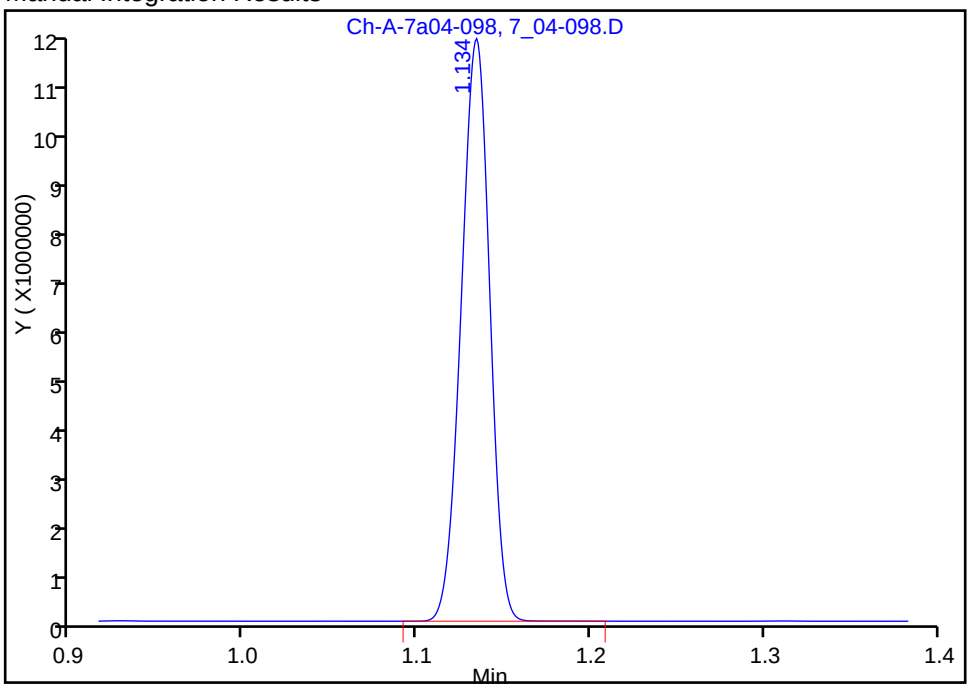
Processing Integration Results

RT: 1.13
Area: 7172802
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.13
Area: 13449223
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 28-Apr-2016 17:32:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-099.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 28-Apr-2016 17:35:25 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:52 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 17:58:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.135	1.135	0.000	13602863	0.5000	0.5000	
2	1.063	1.063	0.000	22073161	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.052	2.052	0.000	444788	0.0125	0.0114	
2	1.663	1.663	0.000	663178	0.0125	0.0123	
						RPD = 7.00	
9 PCB-1016							
1	2.637	2.637	0.000	562833	0.5000	0.4566	
1	2.787	2.787	0.000	348961	0.5000	0.4607	
1	2.992	2.992	0.000	1198956	0.5000	0.4823	
1	3.077	3.077	0.000	452445	0.5000	0.4596	
1	3.139	3.139	0.000	312431	0.5000	0.4731	
		Average of Peak Amounts =				0.4665	
2	2.376	2.376	0.000	965739	0.5000	0.4784	
2	2.686	2.686	0.000	2123482	0.5000	0.4783	
2	2.801	2.801	0.000	804961	0.5000	0.4859	
2	2.894	2.894	0.000	466555	0.5000	0.4962	
2	3.172	3.172	0.000	966417	0.5000	0.4594	
		Average of Peak Amounts =				0.4796	
						RPD = 2.78	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.858	4.858	0.000	931481	0.5000	0.4690	
1	4.987	4.987	0.000	518702	0.5000	0.4548	
1	5.177	5.177	0.000	496048	0.5000	0.4607	
1	5.380	5.380	0.000	1222449	0.5000	0.4739	
1	5.628	5.628	0.000	578024	0.5000	0.4542	
		Average of Peak Amounts =				0.4625	
2	4.541	4.541	0.000	1148069	0.5000	0.4832	
2	4.589	4.589	0.000	1021141	0.5000	0.4812	
2	4.853	4.853	0.000	1035231	0.5000	0.4874	
2	4.989	4.989	0.000	2511080	0.5000	0.4951	
2	5.324	5.324	0.000	1456877	0.5000	0.4899	
		Average of Peak Amounts =				0.4874	
						RPD = 5.23	
$ 15 DCB Decachlorobiphenyl							
1	7.046	7.046	0.000	275382	0.0125	0.0131	
2	6.405	6.405	0.000	510607	0.0125	0.0129	
						RPD = 1.52	

Reagents:

1660sur/is0.5_00003 Amount Added: 0.25 Units: mL

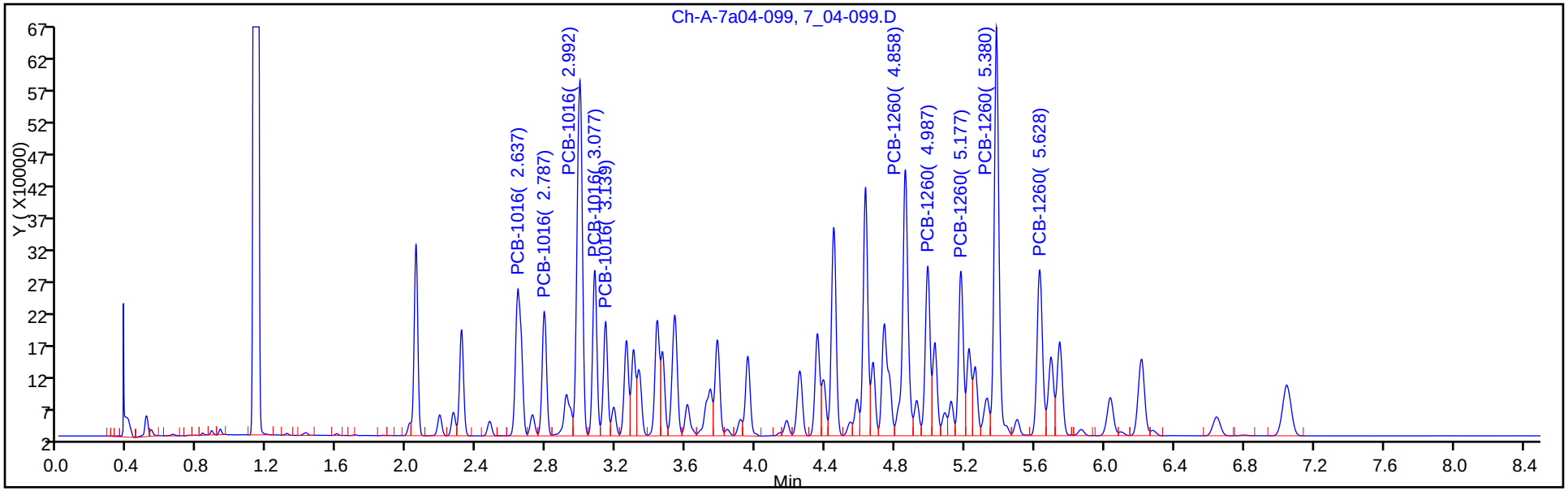
Report Date: 29-Apr-2016 01:45:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

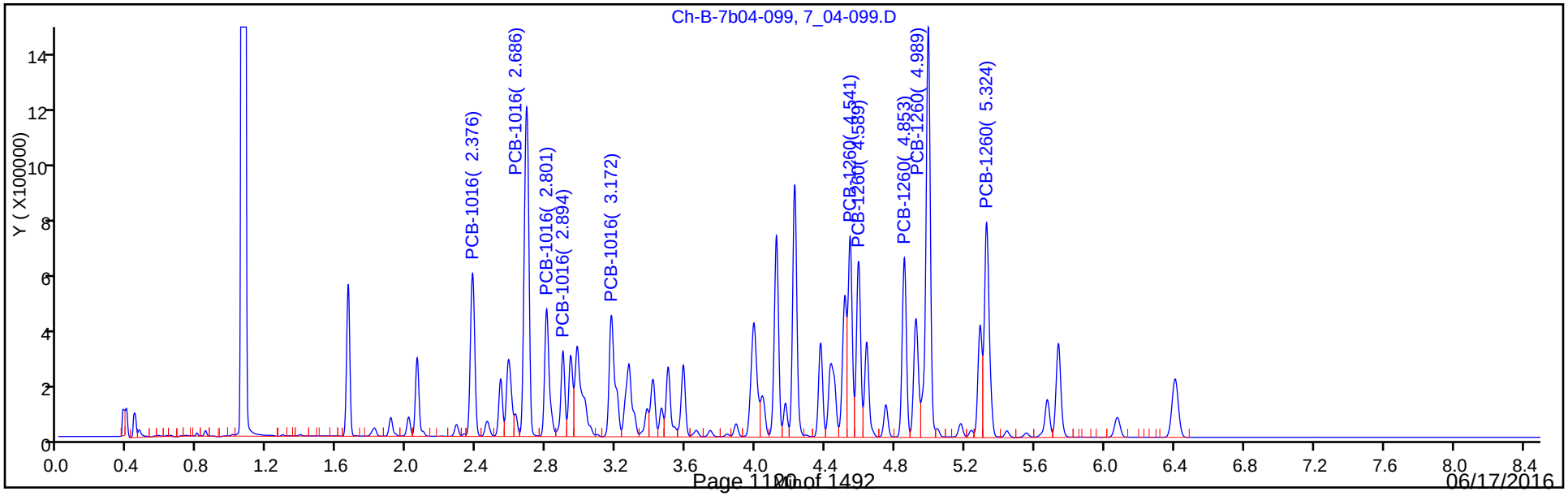
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-099.D

Injection Date:	28-Apr-2016 17:35:25	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-100.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 28-Apr-2016 17:54:26 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:58 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 18:32:14

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.135	1.135	0.000	13736528	0.5000	0.5000	
2	1.063	1.063	-0.001	22266295	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.052	2.052	0.000	187465	0.005000	0.004771	
2	1.663	1.663	0.000	268810	0.005000	0.004927	
						RPD = 3.21	
9 PCB-1016							
1	2.636	2.637	-0.001	242943	0.2000	0.1952	
1	2.788	2.787	0.001	149201	0.2000	0.1950	
1	2.992	2.992	0.000	497468	0.2000	0.1982	
1	3.075	3.077	-0.002	191356	0.2000	0.1925	
1	3.138	3.139	-0.001	131213	0.2000	0.1968	
		Average of Peak Amounts =				0.1955	
2	2.375	2.376	-0.001	416267	0.2000	0.2044	
2	2.686	2.686	0.000	889633	0.2000	0.1987	
2	2.799	2.801	-0.002	335904	0.2000	0.2010	
2	2.893	2.894	-0.002	187249	0.2000	0.1974	
2	3.171	3.172	-0.001	404070	0.2000	0.1904	
		Average of Peak Amounts =				0.1984	
						RPD = 1.45	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.856	4.858	-0.002	389085	0.2000	0.1940	
1	4.985	4.987	-0.002	221731	0.2000	0.1925	
1	5.176	5.177	-0.001	210460	0.2000	0.1936	
1	5.380	5.380	0.000	506414	0.2000	0.1944	
1	5.628	5.628	0.000	246564	0.2000	0.1919	
		Average of Peak Amounts =				0.1933	
2	4.540	4.541	-0.001	478551	0.2000	0.1997	
2	4.588	4.589	-0.001	423529	0.2000	0.1979	
2	4.849	4.853	-0.003	426970	0.2000	0.1993	
2	4.988	4.989	-0.001	1011437	0.2000	0.1977	
2	5.323	5.324	-0.002	594557	0.2000	0.1982	
		Average of Peak Amounts =				0.1985	
						RPD = 2.69	
$ 15 DCB Decachlorobiphenyl							
1	7.042	7.046	-0.004	125233	0.005000	0.005479	
2	6.403	6.405	-0.002	220369	0.005000	0.005269	
						RPD = 3.91	

Reagents:

1660sur/is0.2_00003 Amount Added: 0.25 Units: mL

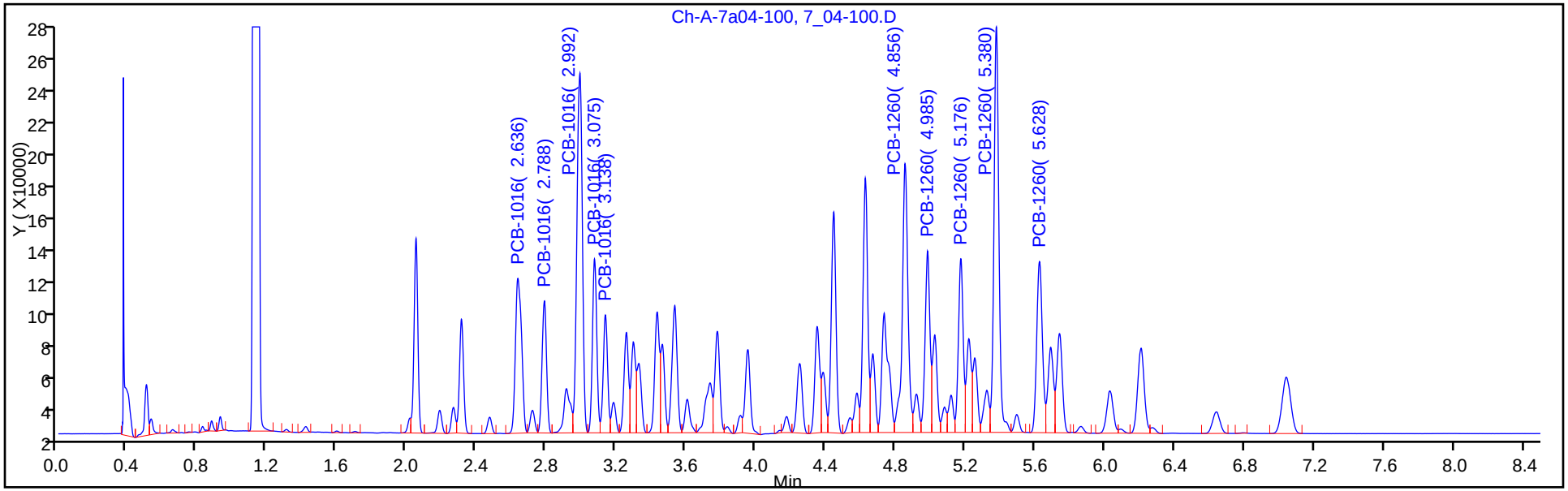
Report Date: 29-Apr-2016 01:45:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

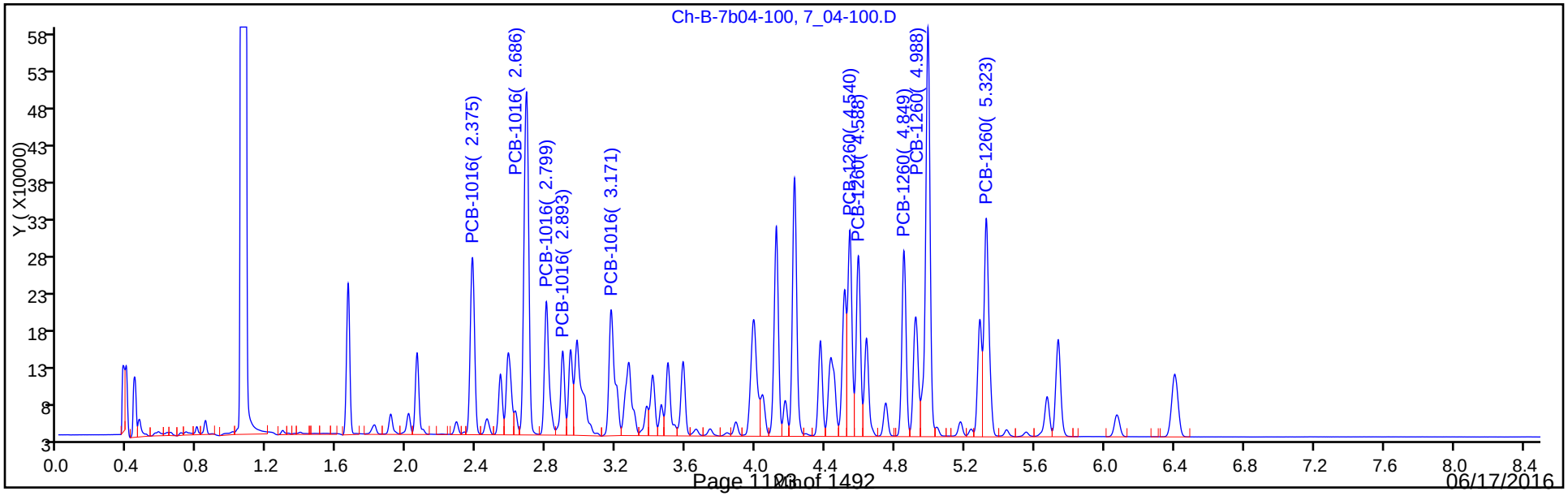
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-100.D

Injection Date:	28-Apr-2016 17:54:26	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-101.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 18:13:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:46:04 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 18:46:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	13851701	0.5000	0.5000	
2	1.063	1.063	-0.001	22499320	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.052	-0.001	98536	0.002500	0.002487	
2	1.663	1.663	0.000	136238	0.002500	0.002471	
						RPD = 0.64	
9 PCB-1016							M
1	2.635	2.637	-0.002	130212	0.1000	0.1037	
1	2.787	2.787	0.000	80228	0.1000	0.1040	
1	2.990	2.992	-0.002	256303	0.1000	0.1013	
1	3.076	3.077	-0.001	102458	0.1000	0.1022	
1	3.138	3.139	-0.001	69883	0.1000	0.1039	
		Average of Peak Amounts =				0.1030	
2	2.375	2.376	-0.001	214684	0.1000	0.1043	
2	2.686	2.686	0.000	457587	0.1000	0.1011	M
2	2.801	2.801	0.000	171516	0.1000	0.1016	M
2	2.894	2.894	0.000	94409	0.1000	0.0985	M
2	3.173	3.172	0.000	220029	0.1000	0.1026	
		Average of Peak Amounts =				0.1016	
						RPD = 1.37	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.858	4.858	0.000	204905	0.1000	0.1013	
1	4.987	4.987	0.000	118877	0.1000	0.1024	
1	5.177	5.177	0.000	110914	0.1000	0.1012	
1	5.380	5.380	0.000	260817	0.1000	0.0993	
1	5.628	5.628	0.000	130845	0.1000	0.1010	
		Average of Peak Amounts =				0.1010	
2	4.540	4.541	-0.001	247586	0.1000	0.1022	M
2	4.589	4.589	0.000	219225	0.1000	0.1014	M
2	4.851	4.853	-0.001	218612	0.1000	0.1010	M
2	4.988	4.989	-0.001	508856	0.1000	0.0984	M
2	5.323	5.324	-0.002	302686	0.1000	0.0999	M
		Average of Peak Amounts =				0.1006	
						RPD = 0.45	
$ 15 DCB Decachlorobiphenyl							
1	7.048	7.046	0.002	67895	0.002500	0.002599	
2	6.403	6.405	-0.002	116991	0.002500	0.002565	
						RPD = 1.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00004 Amount Added: 0.25 Units: mL

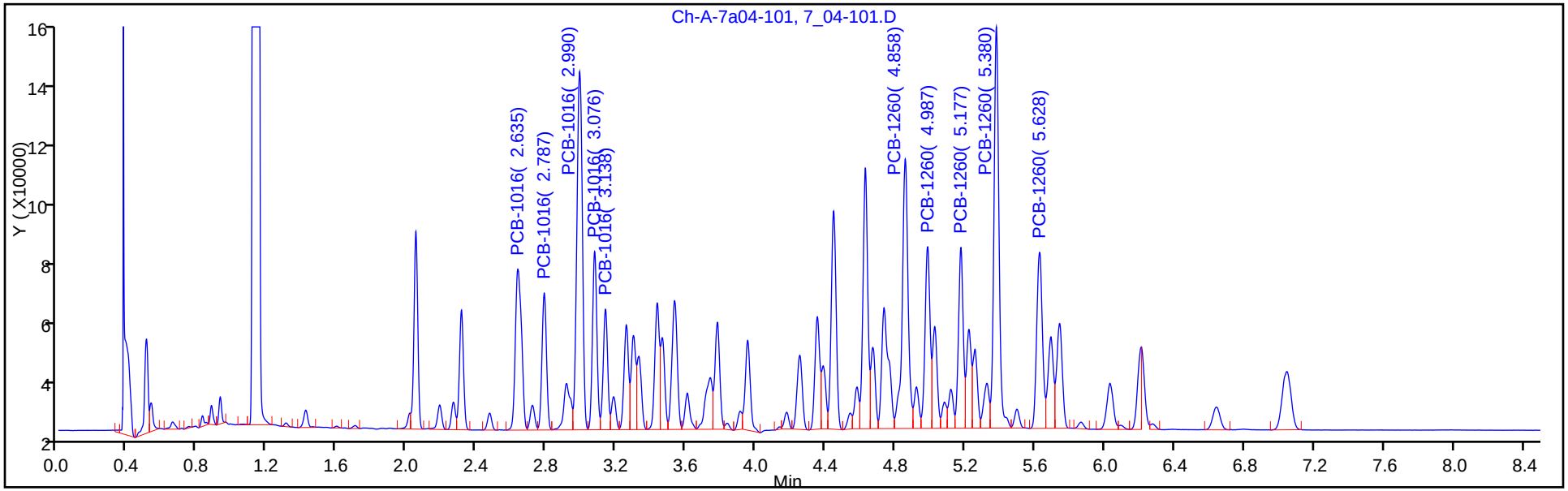
Report Date: 29-Apr-2016 01:46:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

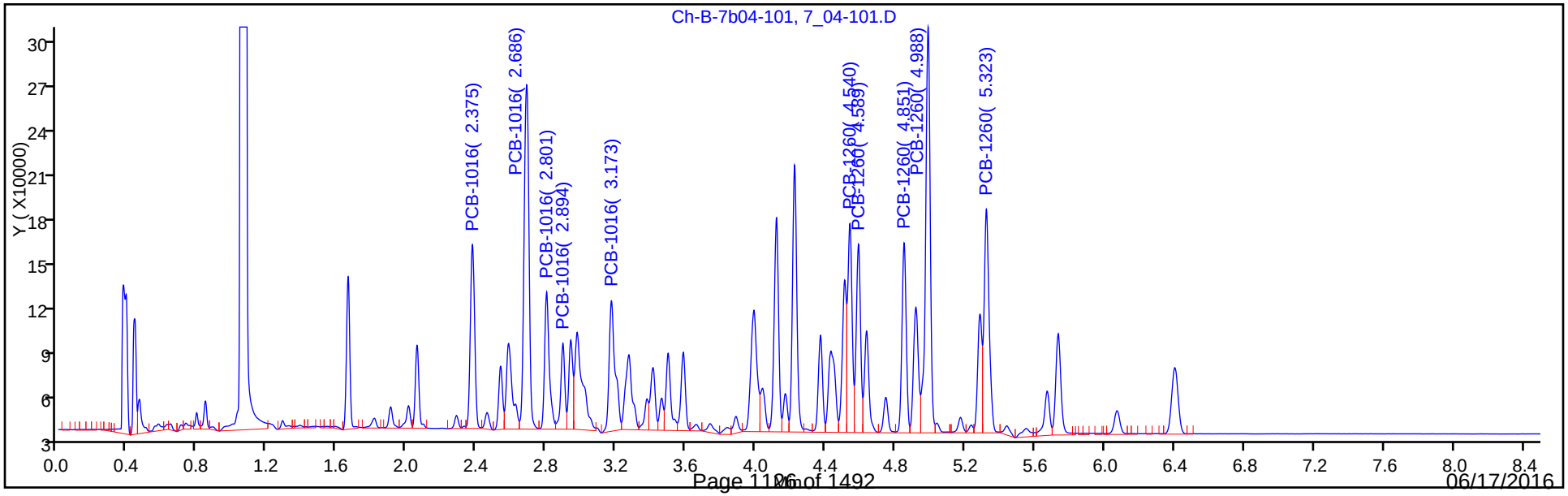
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-101.D

Injection Date:	28-Apr-2016 18:13:15	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-102.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 18:32:05 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:46:19 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 19:23:14

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	14572098	0.5000	0.5000	
2	1.063	1.063	-0.001	23820861	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.052	-0.001	56998	0.001250	0.001368	
2	1.662	1.663	0.000	79393	0.001250	0.001360	
						RPD = 0.54	
9 PCB-1016							
1	2.636	2.637	-0.001	73101	0.0500	0.0554	
1	2.788	2.787	0.001	44543	0.0500	0.0549	
1	2.990	2.992	-0.002	138274	0.0500	0.0519	
1	3.076	3.077	-0.001	56685	0.0500	0.0537	
1	3.138	3.139	-0.001	37815	0.0500	0.0535	
		Average of Peak Amounts =				0.0539	
2	2.375	2.376	-0.001	117007	0.0500	0.0537	
2	2.685	2.686	-0.001	244604	0.0500	0.0511	
2	2.801	2.801	0.000	91635	0.0500	0.0513	
2	2.893	2.894	-0.001	55288	0.0500	0.0545	
2	3.172	3.172	0.000	117118	0.0500	0.0516	
		Average of Peak Amounts =				0.0524	
						RPD = 2.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.857	4.858	-0.001	113372	0.0500	0.0533	
1	4.987	4.987	0.000	65917	0.0500	0.0540	
1	5.176	5.177	-0.001	62377	0.0500	0.0541	
1	5.380	5.380	0.000	142960	0.0500	0.0517	
1	5.626	5.628	-0.002	73598	0.0500	0.0540	
		Average of Peak Amounts =				0.0534	
2	4.541	4.541	0.000	130466	0.0500	0.0509	
2	4.590	4.589	0.001	117320	0.0500	0.0512	
2	4.851	4.853	-0.001	115070	0.0500	0.0502	M
2	4.988	4.989	-0.001	274531	0.0500	0.0502	M
2	5.323	5.324	-0.001	162264	0.0500	0.0506	M
		Average of Peak Amounts =				0.0506	
						RPD = 5.39	
$ 15 DCB Decachlorobiphenyl							
1	7.046	7.046	0.000	38288	0.001250	0.001045	
2	6.405	6.405	0.000	64078	0.001250	0.001121	
						RPD = 7.05	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00003 Amount Added: 0.25 Units: mL

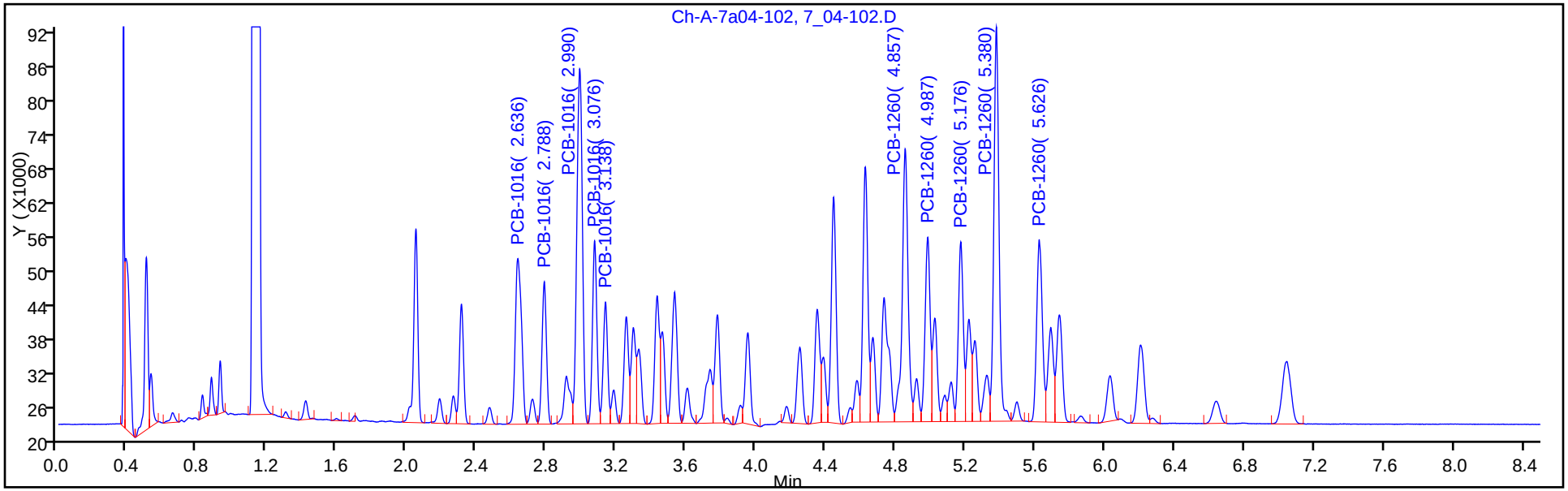
Report Date: 29-Apr-2016 01:46:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

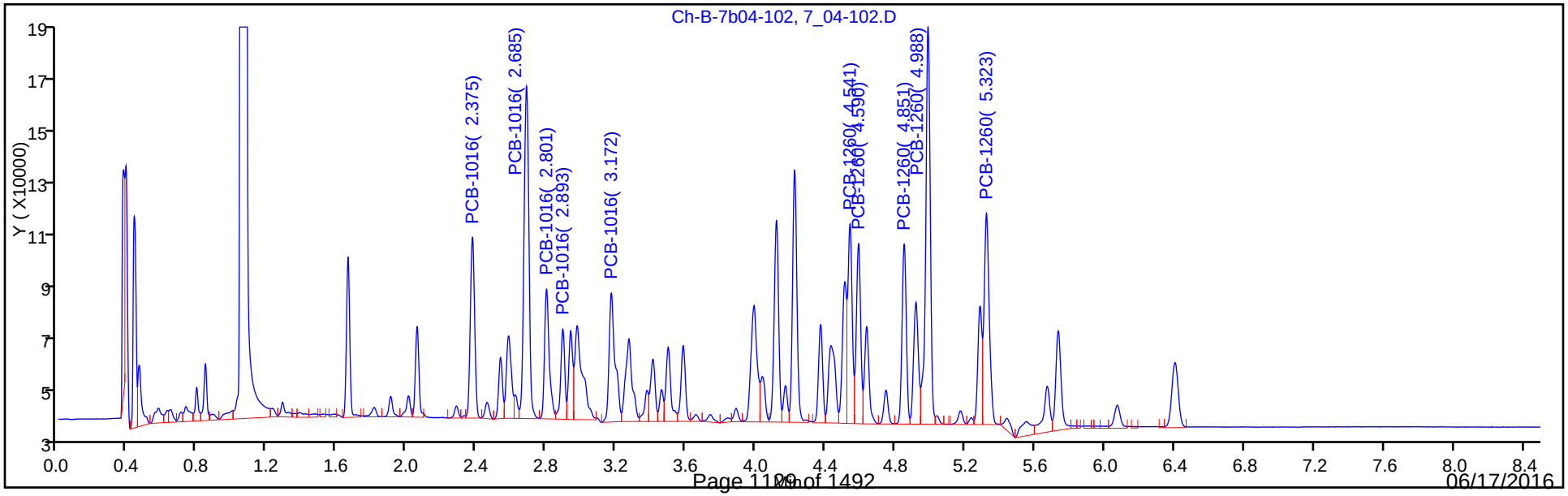
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-102.D

Injection Date:	28-Apr-2016 18:32:05	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-103.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 18:50:57 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:46:26 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 19:38:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	13981252	0.5000	0.5000	
2	1.063	1.063	0.000	22625554	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.051	0.000	23705	0.000500	0.000593	
2	1.663	1.663	0.000	31008	0.000500	0.000559	
						RPD = 5.81	
9 PCB-1016							
1	2.636	2.636	0.000	32716	0.0200	0.0258	
1	2.787	2.787	0.000	19765	0.0200	0.0254	
1	2.990	2.990	0.000	59427	0.0200	0.0233	
1	3.077	3.077	0.000	26208	0.0200	0.0259	
1	3.138	3.138	0.000	15847	0.0200	0.0233	
		Average of Peak Amounts =				0.0247	
2	2.375	2.375	0.000	49474	0.0200	0.0239	
2	2.685	2.685	0.000	111569	0.0200	0.0245	
2	2.800	2.800	0.000	39476	0.0200	0.0232	
2	2.893	2.893	0.000	21590	0.0200	0.0224	
2	3.171	3.171	0.000	58047	0.0200	0.0269	
		Average of Peak Amounts =				0.0242	
						RPD = 2.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.857	4.857	0.000	48728	0.0200	0.0239	M
1	4.986	4.986	0.000	29005	0.0200	0.0247	M
1	5.176	5.176	0.000	26748	0.0200	0.0242	M
1	5.379	5.379	0.000	62300	0.0200	0.0235	M
1	5.627	5.627	0.000	33027	0.0200	0.0253	
		Average of Peak Amounts =				0.0243	
2	4.541	4.541	0.000	54356	0.0200	0.0223	M
2	4.589	4.589	0.000	51007	0.0200	0.0235	M
2	4.851	4.851	0.000	49176	0.0200	0.0226	M
2	4.988	4.988	0.000	114444	0.0200	0.0220	M
2	5.323	5.323	0.000	67466	0.0200	0.0221	M
		Average of Peak Amounts =				0.0225	
						RPD = 7.71	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00003 Amount Added: 0.25 Units: mL

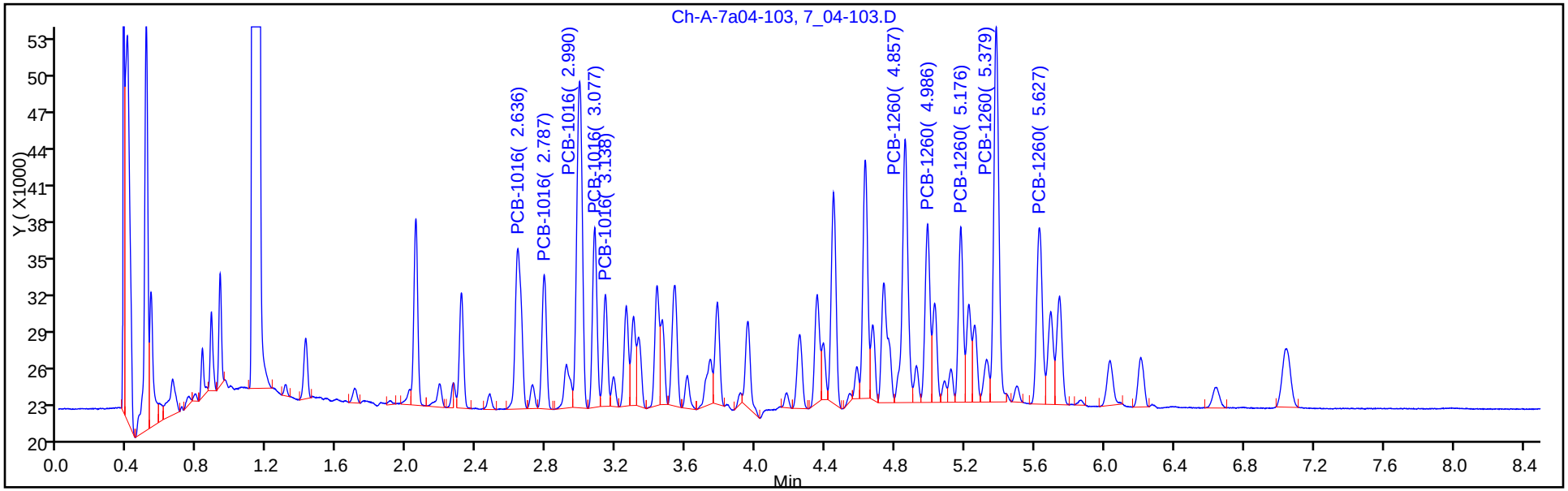
Report Date: 29-Apr-2016 01:46:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

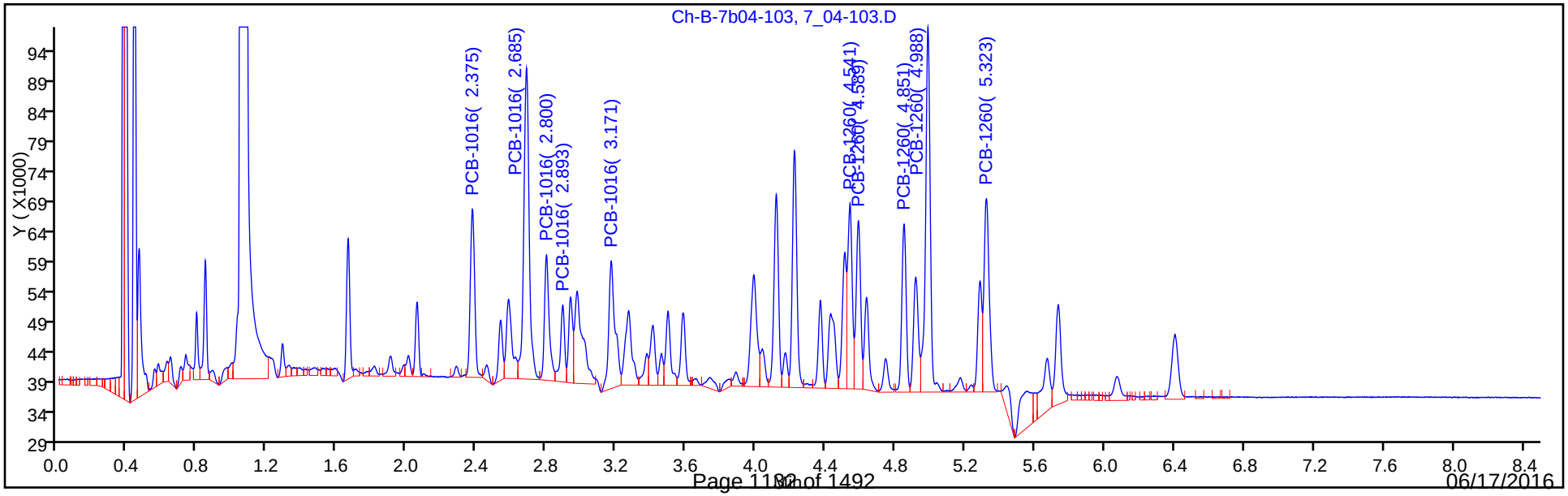
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-103.D

Injection Date:	28-Apr-2016 18:50:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:46:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-103.D

Injection Date: 28-Apr-2016 18:50:57 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

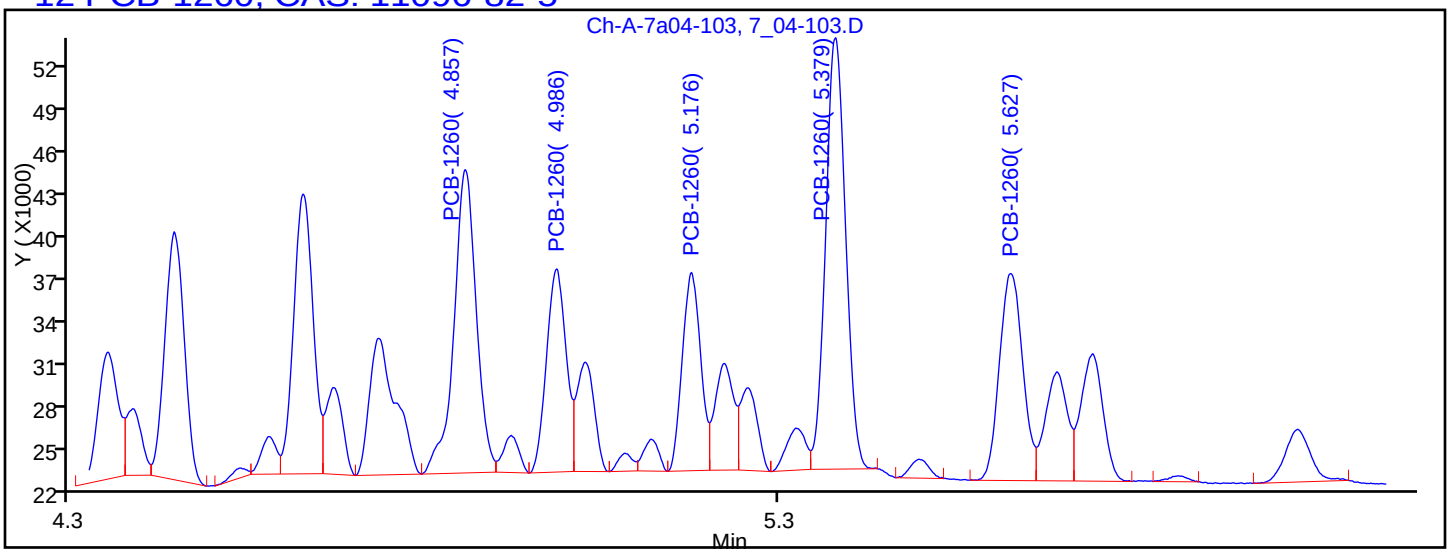
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

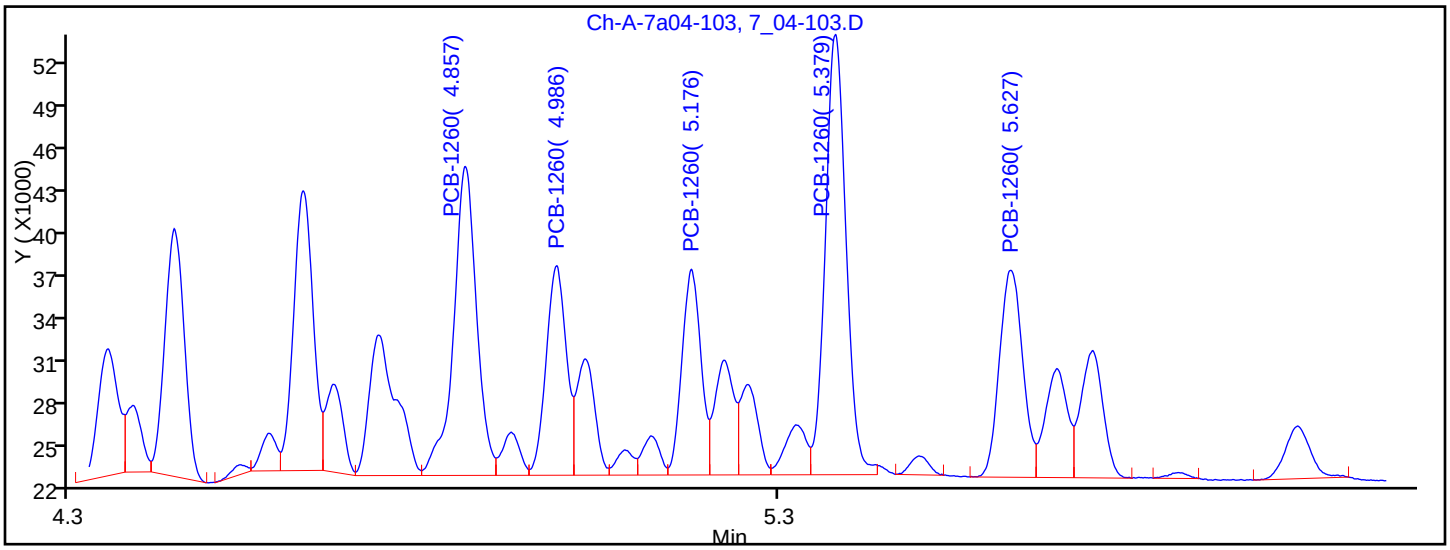
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.857	Response = 46280	M
RT = 4.986	Response = 27341	M
RT = 5.176	Response = 24902	M
RT = 5.379	Response = 58797	M
RT = 5.627	Response = 33027	



Manual Integration Results

RT = 4.857	Response = 48728	M
RT = 4.986	Response = 29005	M
RT = 5.176	Response = 26748	M
RT = 5.379	Response = 62300	M
RT = 5.627	Response = 33027	

Reviewer: sobolk, 28-Apr-2016 19:38:39

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 16:57 Calibration End Date: 04/28/2016 18:50 Calibration ID: 27242

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/8	7_04-103.D
Level 2	IC 480-298867/7	7_04-102.D
Level 3	IC 480-298867/6	7_04-101.D
Level 4	IC 480-298867/5	7_04-100.D
Level 5	ICIS 480-298867/4	7_04-099.D
Level 6	IC 480-298867/3	7_04-098.D
Level 7	IC 480-298867/2	7_04-097.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0547 0.0404	0.0491 0.0377	0.0477	0.0467	0.0438	Ave		0.0457				12.4		20.0			
PCB-1016 Peak 2	0.1233 0.0920	0.1027 0.0882	0.1017	0.0999	0.0962	Ave		0.1006				11.2		20.0			
PCB-1016 Peak 3	0.0436 0.0347	0.0385 0.0336	0.0381	0.0377	0.0365	Ave		0.0375				8.6		20.0			
PCB-1016 Peak 4	0.0239 0.0188	0.0232 0.0200	0.0210	0.0210	0.0211	Ave		0.0213				8.1		20.0			
PCB-1016 Peak 5	0.0641 0.0417	0.0492 0.0405	0.0489	0.0454	0.0438	Ave		0.0477				16.7		20.0			
PCB-1260 Peak 1	0.0601 0.0523	0.0548 0.0489	0.0550	0.0537	0.0520	Ave		0.0538				6.4		20.0			
PCB-1260 Peak 2	0.0564 0.0453	0.0493 0.0430	0.0487	0.0476	0.0463	Ave		0.0481				8.8		20.0			
PCB-1260 Peak 3	0.0543 0.0459	0.0483 0.0448	0.0486	0.0479	0.0469	Ave		0.0481				6.4		20.0			
PCB-1260 Peak 4	0.1265 0.1101	0.1152 0.1119	0.1131	0.1136	0.1138	Ave		0.1149				4.7		20.0			
PCB-1260 Peak 5	0.0745 0.0640	0.0681 0.0648	0.0673	0.0668	0.0660	Ave		0.0674				5.1		20.0			
Tetrachloro-m-xylene	1.3705 1.0921	1.3332 1.1599	1.2110	1.2073	1.2018	Ave		1.2251				7.9		20.0			
DCB Decachlorobiphenyl	+++++ 0.8912	1.0760 0.8621	1.0400	0.9897	0.9253	Lin1	0.0004	0.8687							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 16:57 Calibration End Date: 04/28/2016 18:50 Calibration ID: 27242

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/8	7_04-103.D
Level 2	IC 480-298867/7	7_04-102.D
Level 3	IC 480-298867/6	7_04-101.D
Level 4	IC 480-298867/5	7_04-100.D
Level 5	ICIS 480-298867/4	7_04-099.D
Level 6	IC 480-298867/3	7_04-098.D
Level 7	IC 480-298867/2	7_04-097.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	49474 1757768	117007 3301932	214684	416267	965739	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	111569 4001586	244604 7731436	457587	889633	2123482	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	39476 1510042	91635 2944118	171516	335904	804961	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	21590 819734	55288 1756429	94409	187249	466555	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	58047 1815506	117118 3548799	220029	404070	966417	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	54356 2274579	130466 4283741	247586	478551	1148069	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	51007 1971748	117320 3766669	219225	423529	1021141	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	49176 1994731	115070 3929709	218612	426970	1035231	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	114444 4790781	274531 9808198	508856	1011437	2511080	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	67466 2785129	162264 5682616	302686	594557	1456877	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	31008 1187712	79393 2541215	136238	268810	663178	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	+++++ 969198	64078 1888788	116991	220369	510607	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-097.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 28-Apr-2016 16:57:43 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:41 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 17:19:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.133	1.134	-0.001	13531267	0.5000	0.5000	a
2	1.062	1.063	-0.001	21909243	0.5000	0.5000	a
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.050	0.001	1784060	0.0500	0.0461	a
2	1.663	1.663	-0.001	2541215	0.0500	0.0473	a
						RPD = 2.65	
9 PCB-1016							
1	2.636	2.635	0.001	2022930	2.00	1.65	a
1	2.787	2.787	0.000	1263254	2.00	1.68	a
1	2.991	2.990	0.001	4491144	2.00	1.82	a
1	3.075	3.075	0.000	1677981	2.00	1.71	a
1	3.138	3.138	0.000	1180770	2.00	1.80	a
		Average of Peak Amounts =				1.73	
2	2.375	2.377	-0.002	3301932	2.00	1.65	a
2	2.686	2.687	-0.001	7731436	2.00	1.75	a
2	2.800	2.801	-0.001	2944118	2.00	1.79	a
2	2.893	2.895	-0.002	1756429	2.00	1.88	a
2	3.172	3.173	0.000	3548799	2.00	1.70	a
		Average of Peak Amounts =				1.75	
						RPD = 1.39	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.858	4.856	0.002	3625407	2.00	1.84	a
1	4.985	4.985	0.000	2036349	2.00	1.79	a
1	5.176	5.176	0.000	1937139	2.00	1.81	a
1	5.380	5.380	0.000	4822447	2.00	1.88	a
1	5.628	5.628	0.000	2251506	2.00	1.78	a
		Average of Peak Amounts =				1.82	
2	4.541	4.543	-0.001	4283741	2.00	1.82	a
2	4.590	4.590	0.000	3766669	2.00	1.79	a
2	4.852	4.853	0.000	3929709	2.00	1.86	a
2	4.988	4.990	-0.002	9808198	2.00	1.95	a
2	5.323	5.324	-0.002	5682616	2.00	1.93	a
		Average of Peak Amounts =				1.87	
						RPD = 2.67	
$ 15 DCB Decachlorobiphenyl							
1	7.046	7.043	0.003	984457	0.0500	0.0490	a
2	6.405	6.405	0.000	1888788	0.0500	0.0492	a
						RPD = 0.45	

Reagents:

1660sur/is2.0_00003 Amount Added: 0.25 Units: mL

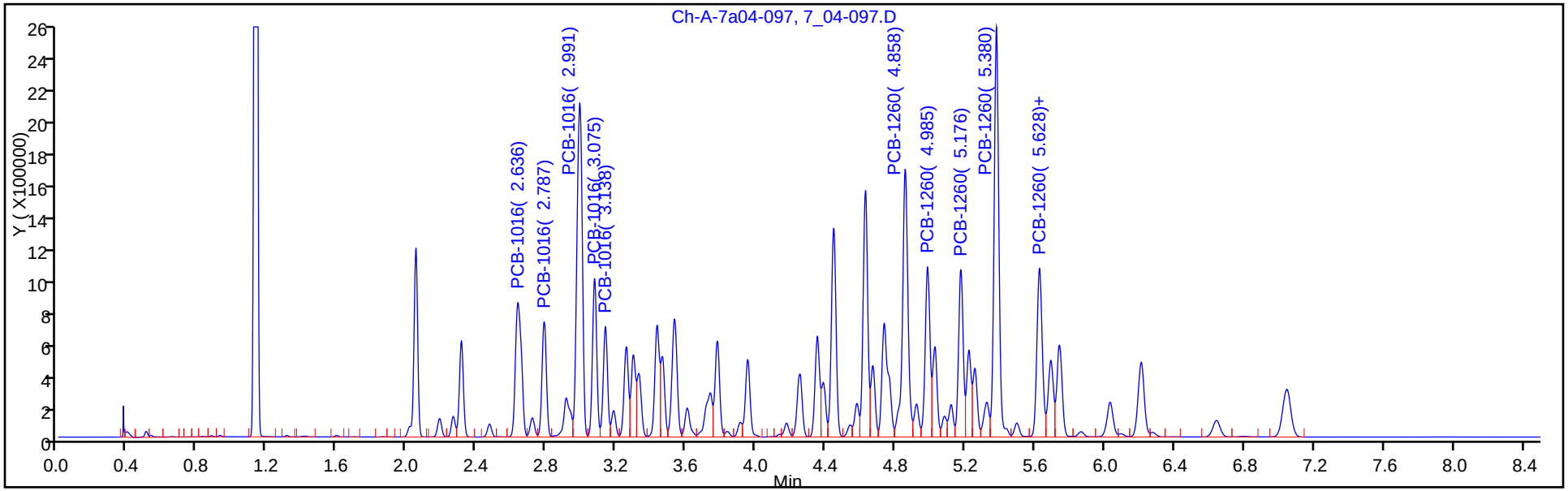
Report Date: 29-Apr-2016 01:45:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

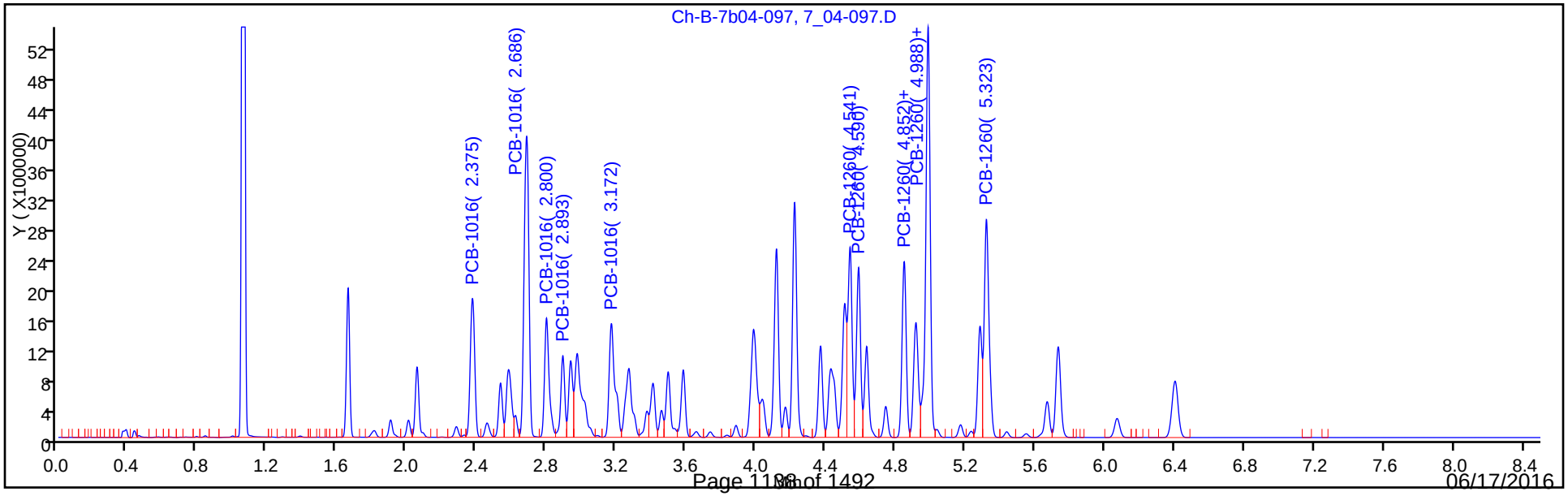
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-097.D

Injection Date:	28-Apr-2016 16:57:43	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-098.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 28-Apr-2016 17:16:29 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:47 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 17:32:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.134	1.134	0.000	13449223	0.5000	0.5000	M
2	1.063	1.063	-0.001	21750700	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.050	0.001	898846	0.0250	0.0234	
2	1.663	1.663	-0.001	1187712	0.0250	0.0223	
						RPD = 4.73	
9 PCB-1016							
1	2.636	2.635	0.001	1035686	1.00	0.8499	
1	2.787	2.787	0.000	642524	1.00	0.8579	
1	2.990	2.990	0.000	2267504	1.00	0.9226	
1	3.076	3.075	0.001	846476	1.00	0.8696	
1	3.138	3.138	0.000	584434	1.00	0.8952	
		Average of Peak Amounts =				0.8790	
2	2.375	2.377	-0.002	1757768	1.00	0.8837	
2	2.686	2.687	-0.001	4001586	1.00	0.9147	
2	2.799	2.801	-0.002	1510042	1.00	0.9250	
2	2.893	2.895	-0.002	819734	1.00	0.8847	
2	3.171	3.173	-0.001	1815506	1.00	0.8758	
		Average of Peak Amounts =				0.8968	
						RPD = 2.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.857	4.856	0.001	1771424	1.00	0.9021	
1	4.986	4.985	0.001	1004206	1.00	0.8905	
1	5.176	5.176	0.000	963118	1.00	0.9047	
1	5.380	5.380	0.000	2391270	1.00	0.9376	
1	5.627	5.628	-0.001	1120804	1.00	0.8908	
		Average of Peak Amounts =				0.9052	
2	4.540	4.543	-0.002	2274579	1.00	0.9715	
2	4.589	4.590	-0.001	1971748	1.00	0.9430	
2	4.851	4.853	-0.001	1994731	1.00	0.9531	
2	4.988	4.990	-0.002	4790781	1.00	0.9587	
2	5.323	5.324	-0.002	2785129	1.00	0.9504	
		Average of Peak Amounts =				0.9553	
						RPD = 5.39	
$ 15 DCB Decachlorobiphenyl							
1	7.043	7.043	0.000	508314	0.0250	0.0251	
2	6.403	6.405	-0.003	969198	0.0250	0.0252	
						RPD = 0.56	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00004 Amount Added: 0.25 Units: mL

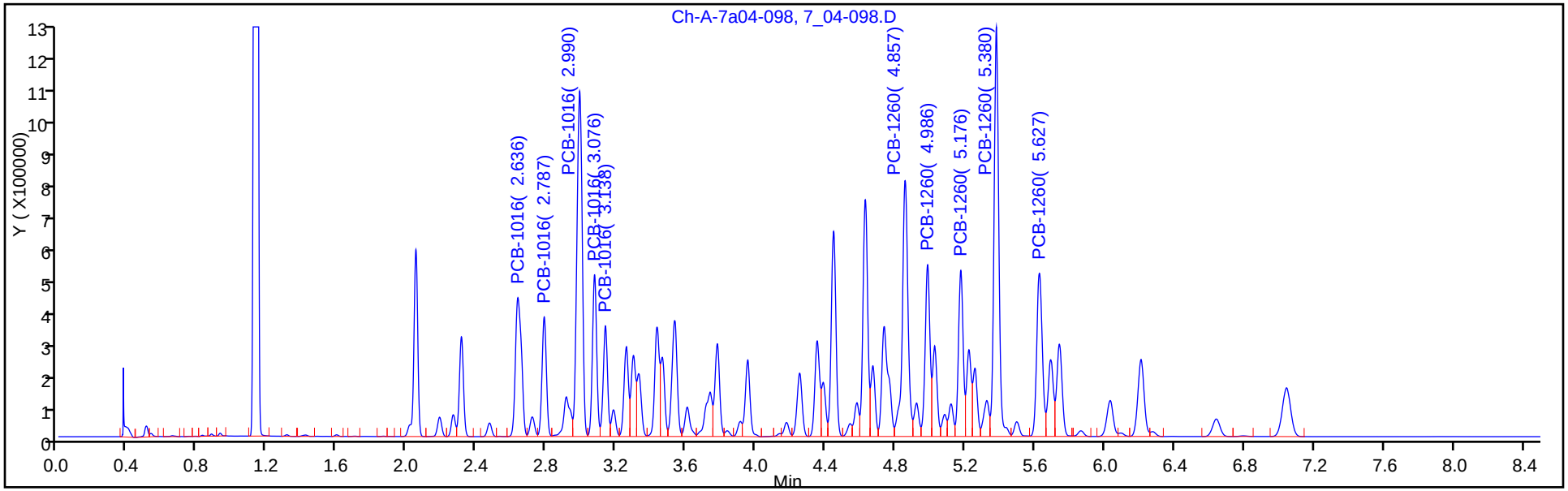
Report Date: 29-Apr-2016 01:45:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

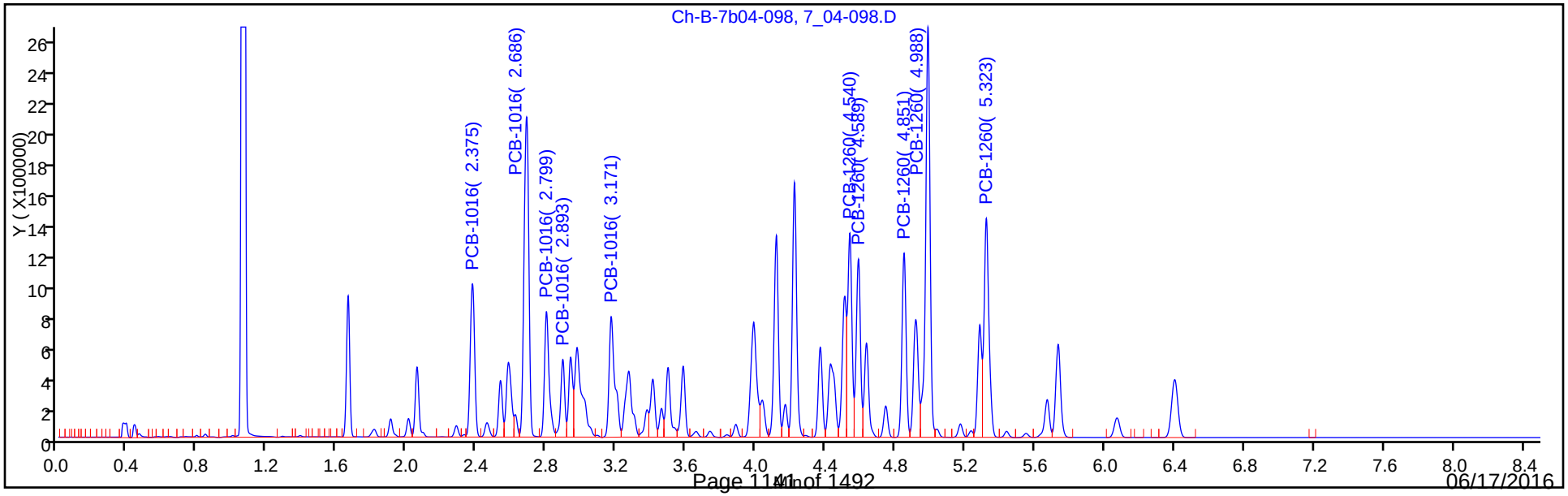
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-098.D

Injection Date:	28-Apr-2016 17:16:29	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-099.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 28-Apr-2016 17:35:25 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:52 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 17:58:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.135	1.135	0.000	13602863	0.5000	0.5000	
2	1.063	1.063	0.000	22073161	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.052	2.052	0.000	444788	0.0125	0.0114	
2	1.663	1.663	0.000	663178	0.0125	0.0123	
						RPD = 7.00	
9 PCB-1016							
1	2.637	2.637	0.000	562833	0.5000	0.4566	
1	2.787	2.787	0.000	348961	0.5000	0.4607	
1	2.992	2.992	0.000	1198956	0.5000	0.4823	
1	3.077	3.077	0.000	452445	0.5000	0.4596	
1	3.139	3.139	0.000	312431	0.5000	0.4731	
		Average of Peak Amounts =				0.4665	
2	2.376	2.376	0.000	965739	0.5000	0.4784	
2	2.686	2.686	0.000	2123482	0.5000	0.4783	
2	2.801	2.801	0.000	804961	0.5000	0.4859	
2	2.894	2.894	0.000	466555	0.5000	0.4962	
2	3.172	3.172	0.000	966417	0.5000	0.4594	
		Average of Peak Amounts =				0.4796	
						RPD = 2.78	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.858	4.858	0.000	931481	0.5000	0.4690	
1	4.987	4.987	0.000	518702	0.5000	0.4548	
1	5.177	5.177	0.000	496048	0.5000	0.4607	
1	5.380	5.380	0.000	1222449	0.5000	0.4739	
1	5.628	5.628	0.000	578024	0.5000	0.4542	
		Average of Peak Amounts =				0.4625	
2	4.541	4.541	0.000	1148069	0.5000	0.4832	
2	4.589	4.589	0.000	1021141	0.5000	0.4812	
2	4.853	4.853	0.000	1035231	0.5000	0.4874	
2	4.989	4.989	0.000	2511080	0.5000	0.4951	
2	5.324	5.324	0.000	1456877	0.5000	0.4899	
		Average of Peak Amounts =				0.4874	
						RPD = 5.23	
$ 15 DCB Decachlorobiphenyl							
1	7.046	7.046	0.000	275382	0.0125	0.0131	
2	6.405	6.405	0.000	510607	0.0125	0.0129	
						RPD = 1.52	

Reagents:

1660sur/is0.5_00003 Amount Added: 0.25 Units: mL

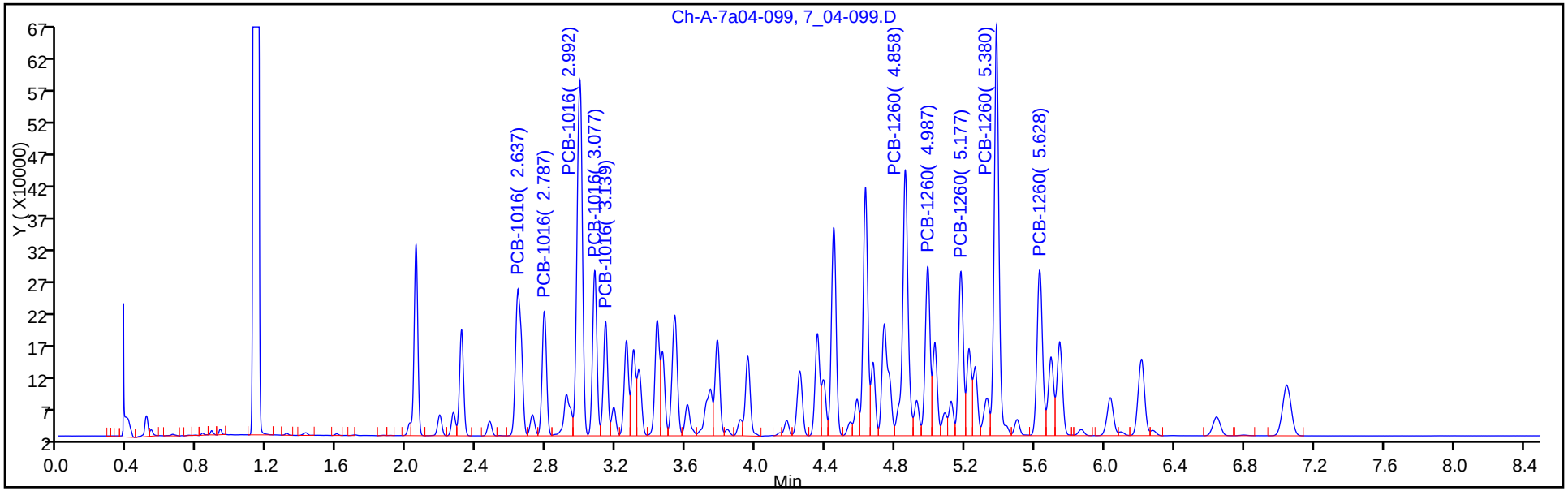
Report Date: 29-Apr-2016 01:45:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

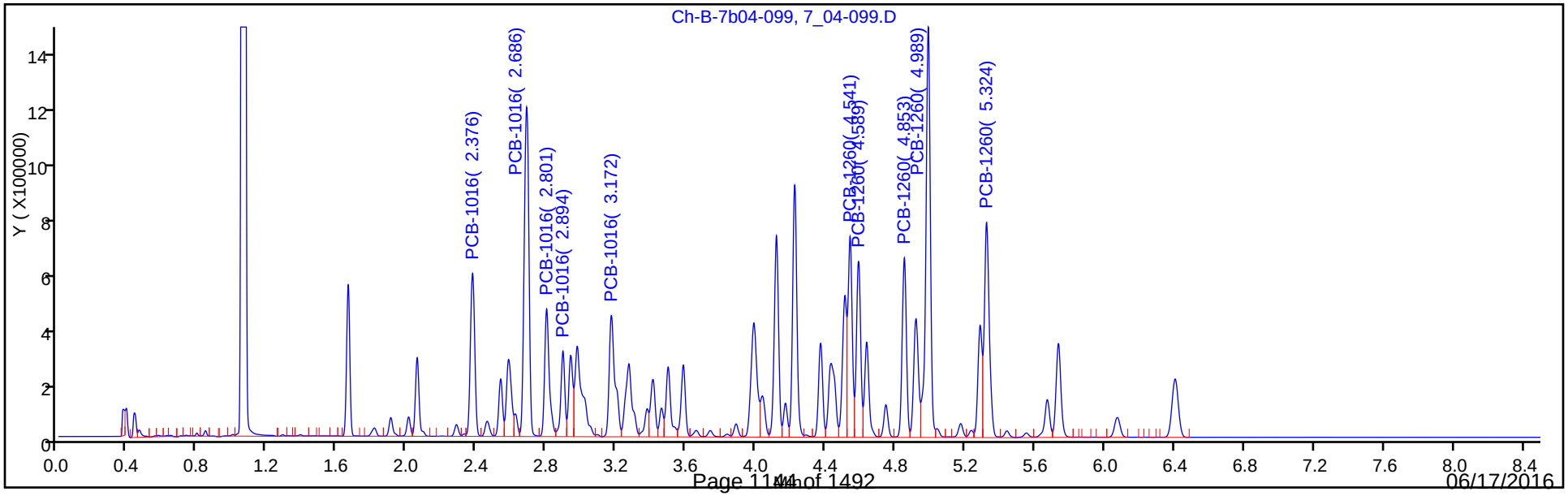
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-099.D

Injection Date:	28-Apr-2016 17:35:25	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-100.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 28-Apr-2016 17:54:26 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:58 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 18:32:14

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.135	1.135	0.000	13736528	0.5000	0.5000	
2	1.063	1.063	-0.001	22266295	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.052	2.052	0.000	187465	0.005000	0.004771	
2	1.663	1.663	0.000	268810	0.005000	0.004927	
						RPD = 3.21	
9 PCB-1016							
1	2.636	2.637	-0.001	242943	0.2000	0.1952	
1	2.788	2.787	0.001	149201	0.2000	0.1950	
1	2.992	2.992	0.000	497468	0.2000	0.1982	
1	3.075	3.077	-0.002	191356	0.2000	0.1925	
1	3.138	3.139	-0.001	131213	0.2000	0.1968	
		Average of Peak Amounts =				0.1955	
2	2.375	2.376	-0.001	416267	0.2000	0.2044	
2	2.686	2.686	0.000	889633	0.2000	0.1987	
2	2.799	2.801	-0.002	335904	0.2000	0.2010	
2	2.893	2.894	-0.002	187249	0.2000	0.1974	
2	3.171	3.172	-0.001	404070	0.2000	0.1904	
		Average of Peak Amounts =				0.1984	
						RPD = 1.45	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.856	4.858	-0.002	389085	0.2000	0.1940	
1	4.985	4.987	-0.002	221731	0.2000	0.1925	
1	5.176	5.177	-0.001	210460	0.2000	0.1936	
1	5.380	5.380	0.000	506414	0.2000	0.1944	
1	5.628	5.628	0.000	246564	0.2000	0.1919	
		Average of Peak Amounts =				0.1933	
2	4.540	4.541	-0.001	478551	0.2000	0.1997	
2	4.588	4.589	-0.001	423529	0.2000	0.1979	
2	4.849	4.853	-0.003	426970	0.2000	0.1993	
2	4.988	4.989	-0.001	1011437	0.2000	0.1977	
2	5.323	5.324	-0.002	594557	0.2000	0.1982	
		Average of Peak Amounts =				0.1985	
						RPD = 2.69	
$ 15 DCB Decachlorobiphenyl							
1	7.042	7.046	-0.004	125233	0.005000	0.005479	
2	6.403	6.405	-0.002	220369	0.005000	0.005269	
						RPD = 3.91	

Reagents:

1660sur/is0.2_00003 Amount Added: 0.25 Units: mL

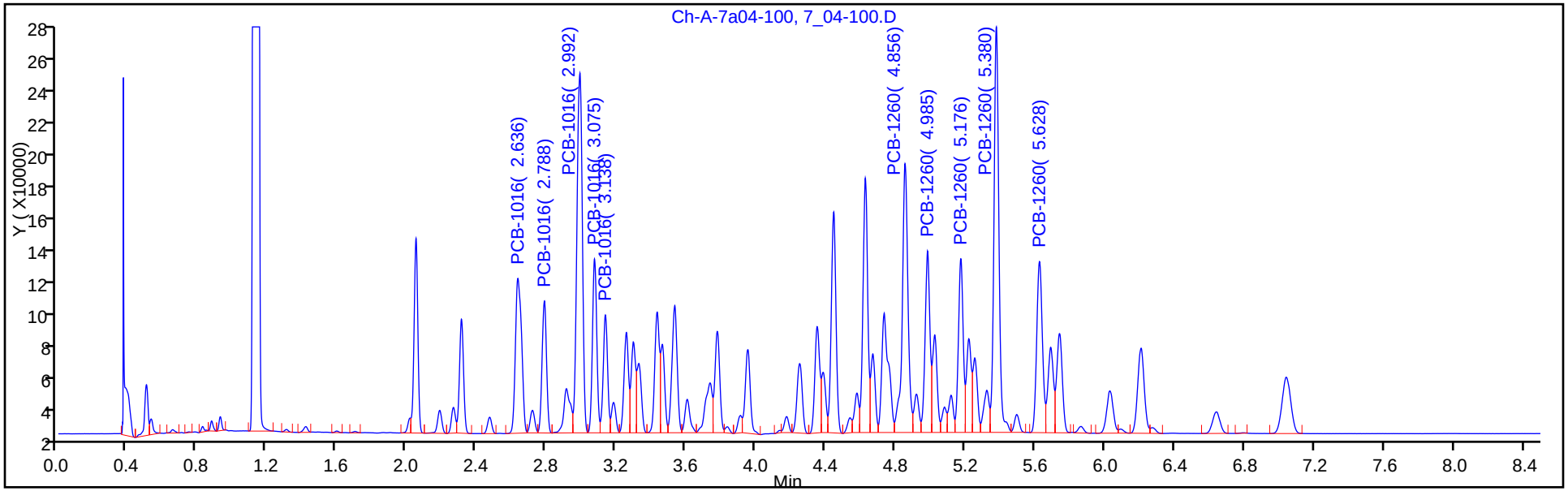
Report Date: 29-Apr-2016 01:45:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

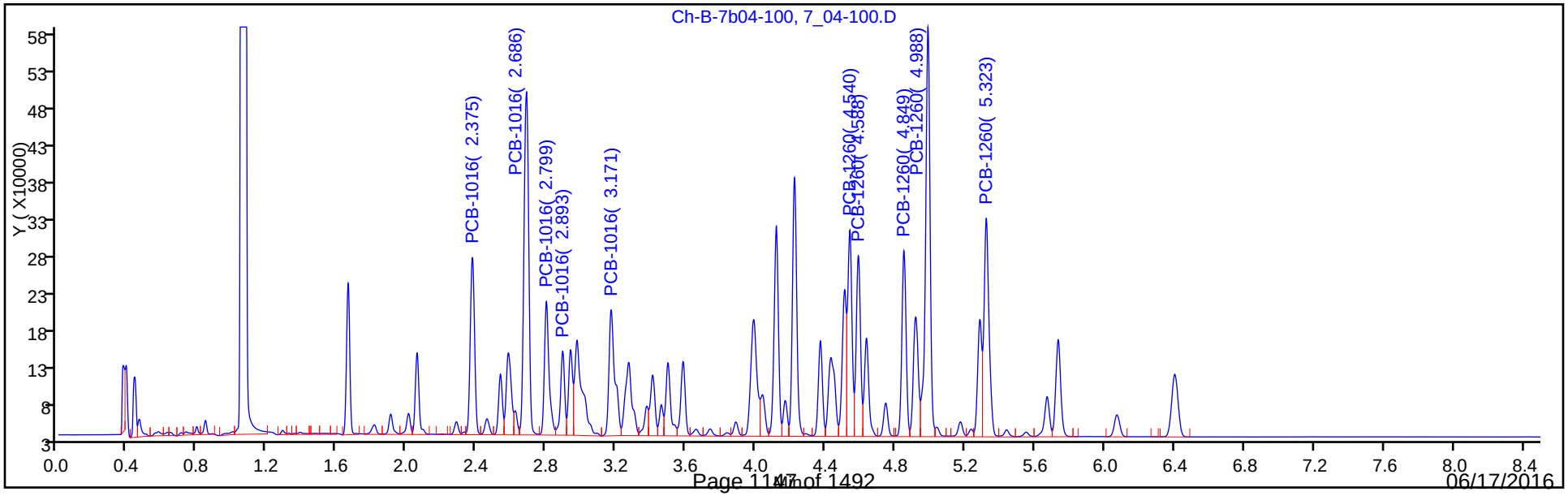
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-100.D

Injection Date:	28-Apr-2016 17:54:26	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-101.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 18:13:15 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:46:04 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 18:46:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	13851701	0.5000	0.5000	
2	1.063	1.063	-0.001	22499320	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.052	-0.001	98536	0.002500	0.002487	
2	1.663	1.663	0.000	136238	0.002500	0.002471	
						RPD = 0.64	
9 PCB-1016							M
1	2.635	2.637	-0.002	130212	0.1000	0.1037	
1	2.787	2.787	0.000	80228	0.1000	0.1040	
1	2.990	2.992	-0.002	256303	0.1000	0.1013	
1	3.076	3.077	-0.001	102458	0.1000	0.1022	
1	3.138	3.139	-0.001	69883	0.1000	0.1039	
		Average of Peak Amounts =				0.1030	
2	2.375	2.376	-0.001	214684	0.1000	0.1043	
2	2.686	2.686	0.000	457587	0.1000	0.1011	M
2	2.801	2.801	0.000	171516	0.1000	0.1016	M
2	2.894	2.894	0.000	94409	0.1000	0.0985	M
2	3.173	3.172	0.000	220029	0.1000	0.1026	
		Average of Peak Amounts =				0.1016	
						RPD = 1.37	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.858	4.858	0.000	204905	0.1000	0.1013	
1	4.987	4.987	0.000	118877	0.1000	0.1024	
1	5.177	5.177	0.000	110914	0.1000	0.1012	
1	5.380	5.380	0.000	260817	0.1000	0.0993	
1	5.628	5.628	0.000	130845	0.1000	0.1010	
		Average of Peak Amounts =				0.1010	
2	4.540	4.541	-0.001	247586	0.1000	0.1022	M
2	4.589	4.589	0.000	219225	0.1000	0.1014	M
2	4.851	4.853	-0.001	218612	0.1000	0.1010	M
2	4.988	4.989	-0.001	508856	0.1000	0.0984	M
2	5.323	5.324	-0.002	302686	0.1000	0.0999	M
		Average of Peak Amounts =				0.1006	
						RPD = 0.45	
$ 15 DCB Decachlorobiphenyl							
1	7.048	7.046	0.002	67895	0.002500	0.002599	
2	6.403	6.405	-0.002	116991	0.002500	0.002565	
						RPD = 1.29	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00004 Amount Added: 0.25 Units: mL

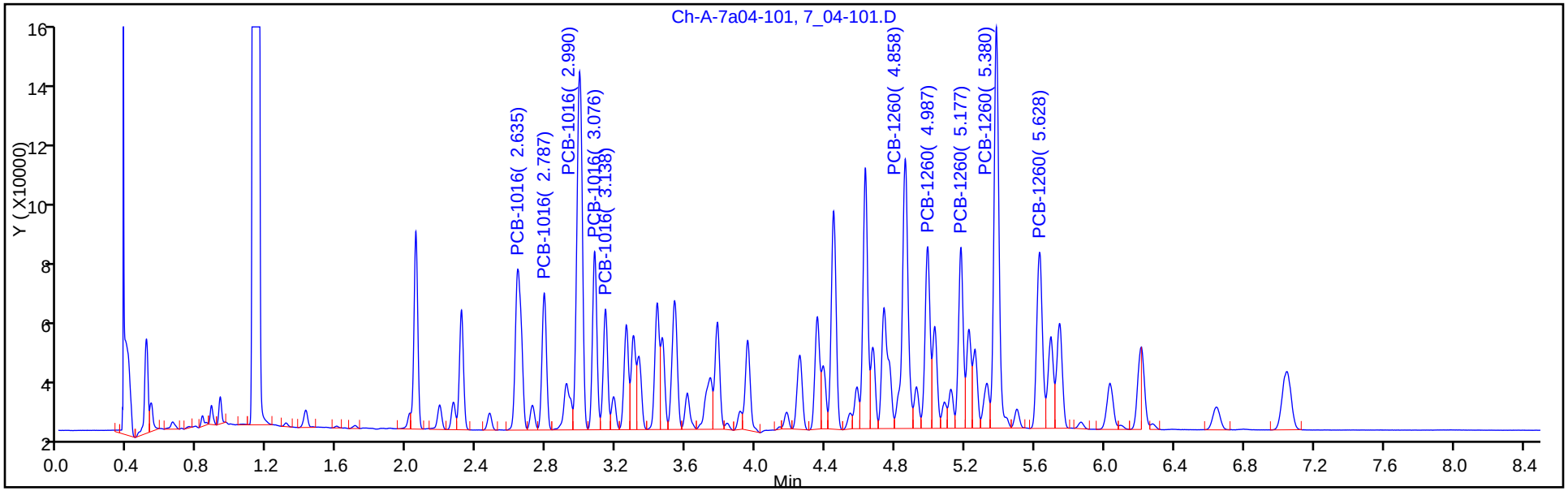
Report Date: 29-Apr-2016 01:46:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

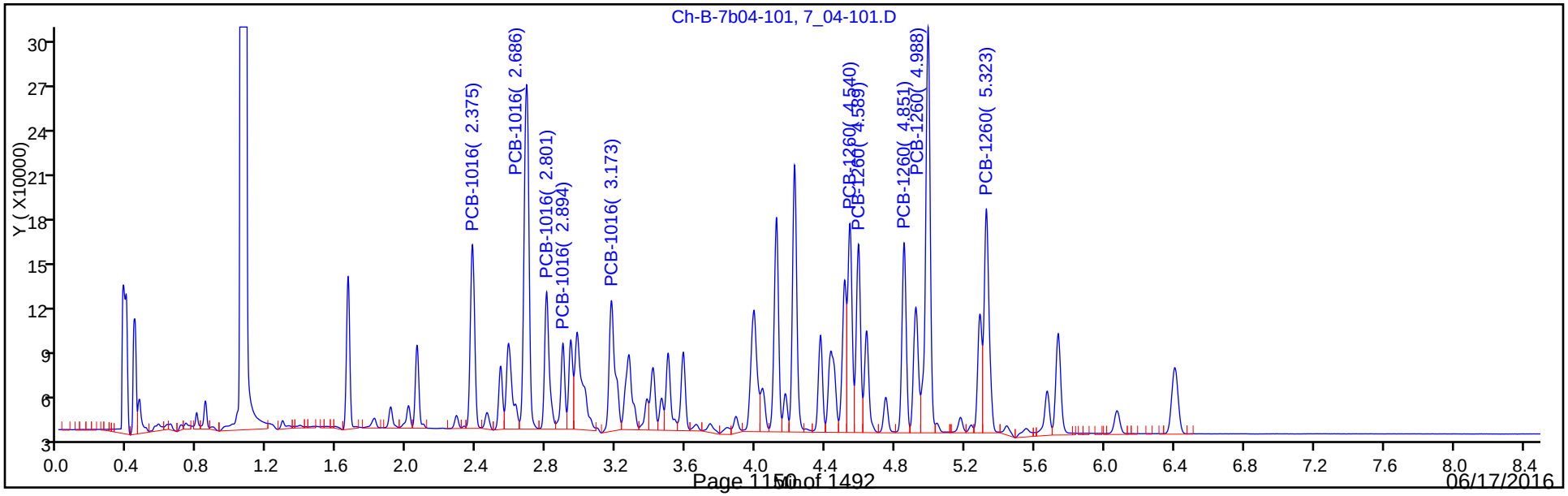
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-101.D

Injection Date:	28-Apr-2016 18:13:15	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:46:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-101.D

Injection Date: 28-Apr-2016 18:13:15 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

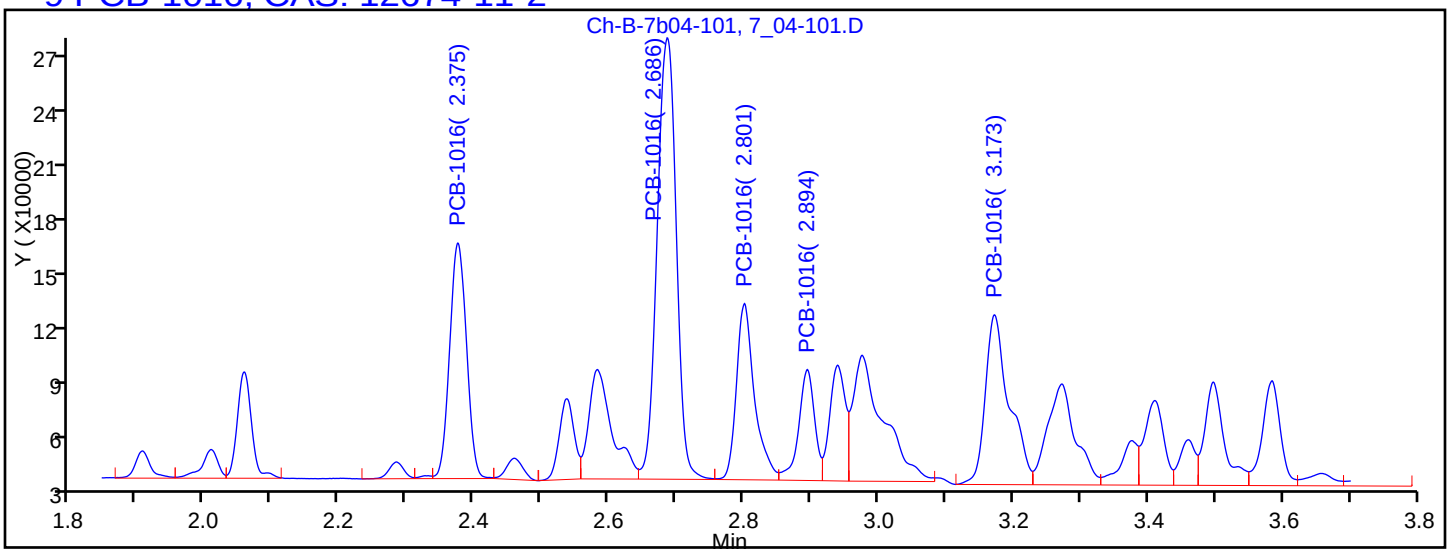
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

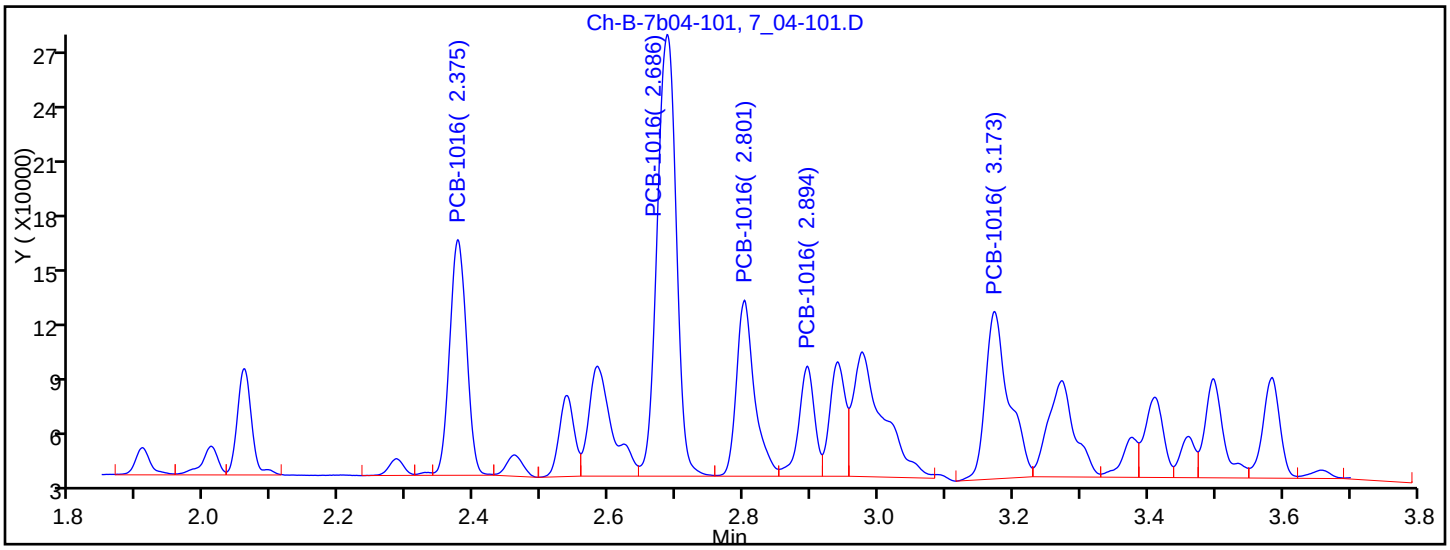
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.375	Response = 214684	
RT = 2.686	Response = 456907	M
RT = 2.801	Response = 172376	M
RT = 2.894	Response = 96169	M
RT = 3.173	Response = 220029	



Manual Integration Results

RT = 2.375	Response = 214684	
RT = 2.686	Response = 457587	M
RT = 2.801	Response = 171516	M
RT = 2.894	Response = 94409	M
RT = 3.173	Response = 220029	

Reviewer: sobolk, 28-Apr-2016 18:46:55

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 29-Apr-2016 01:46:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-101.D

Injection Date: 28-Apr-2016 18:13:15 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

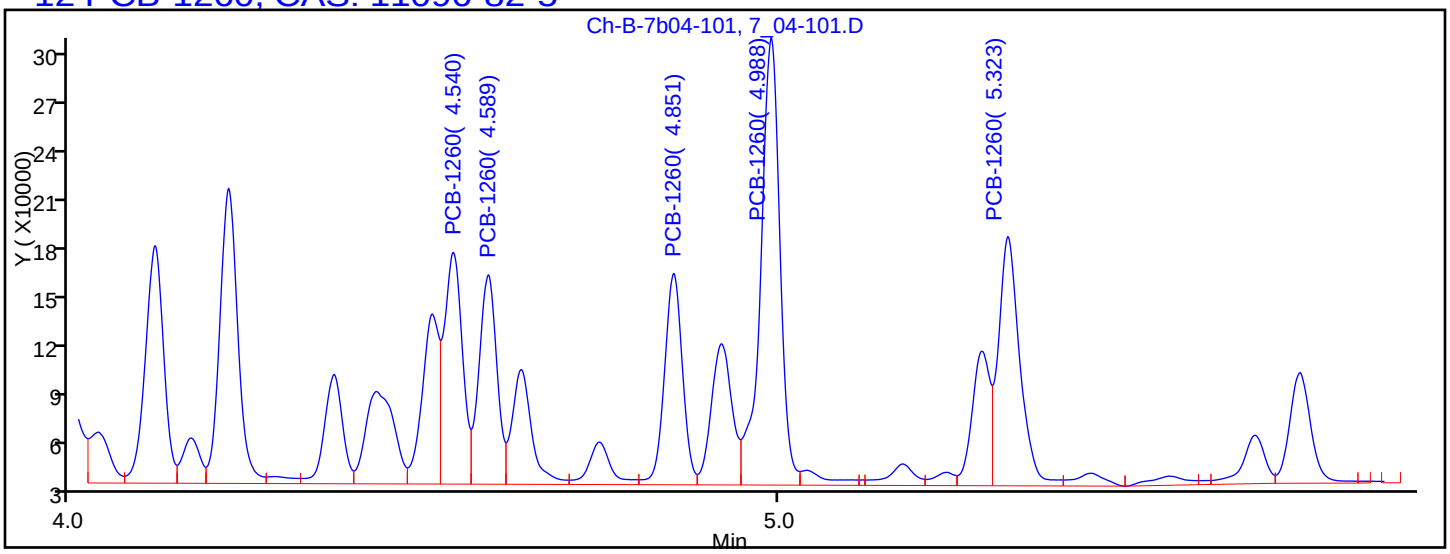
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

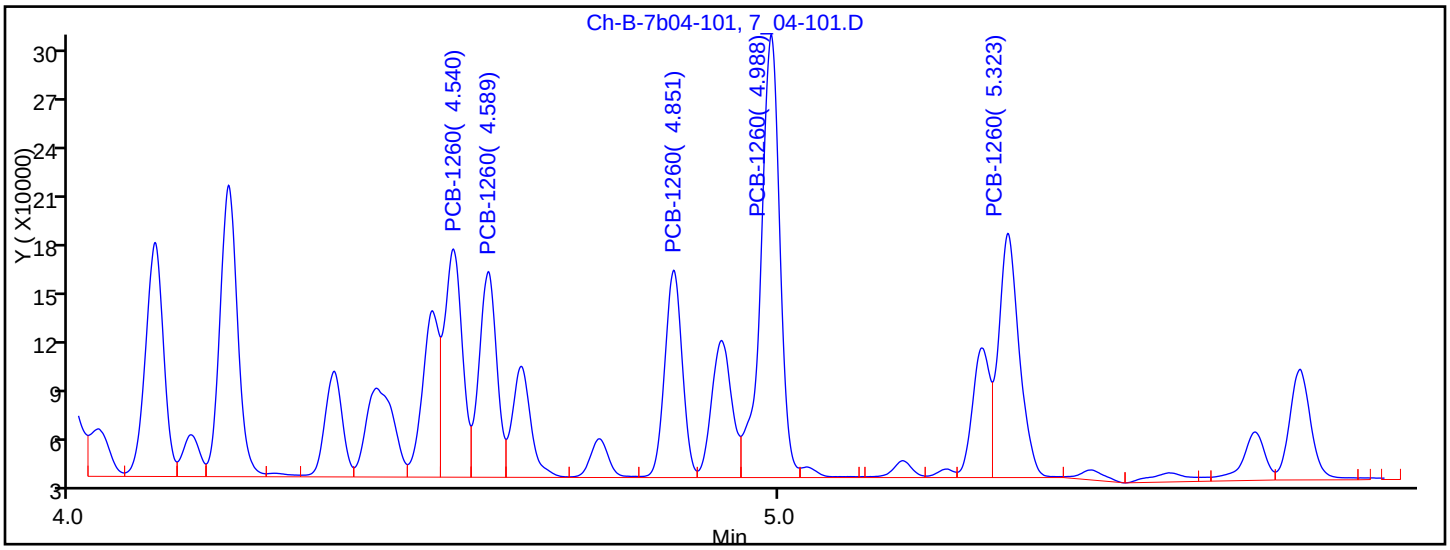
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.540	Response = 253350	M
RT = 4.589	Response = 225805	M
RT = 4.851	Response = 230470	M
RT = 4.988	Response = 521793	M
RT = 5.323	Response = 321106	M



Manual Integration Results

RT = 4.540	Response = 247586	M
RT = 4.589	Response = 219225	M
RT = 4.851	Response = 218612	M
RT = 4.988	Response = 508856	M
RT = 5.323	Response = 302686	M

Reviewer: sobolk, 28-Apr-2016 18:46:55

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-102.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 18:32:05 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:46:19 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 19:23:14

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	14572098	0.5000	0.5000	
2	1.063	1.063	-0.001	23820861	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.052	-0.001	56998	0.001250	0.001368	
2	1.662	1.663	0.000	79393	0.001250	0.001360	
						RPD = 0.54	
9 PCB-1016							
1	2.636	2.637	-0.001	73101	0.0500	0.0554	
1	2.788	2.787	0.001	44543	0.0500	0.0549	
1	2.990	2.992	-0.002	138274	0.0500	0.0519	
1	3.076	3.077	-0.001	56685	0.0500	0.0537	
1	3.138	3.139	-0.001	37815	0.0500	0.0535	
		Average of Peak Amounts =				0.0539	
2	2.375	2.376	-0.001	117007	0.0500	0.0537	
2	2.685	2.686	-0.001	244604	0.0500	0.0511	
2	2.801	2.801	0.000	91635	0.0500	0.0513	
2	2.893	2.894	-0.001	55288	0.0500	0.0545	
2	3.172	3.172	0.000	117118	0.0500	0.0516	
		Average of Peak Amounts =				0.0524	
						RPD = 2.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.857	4.858	-0.001	113372	0.0500	0.0533	
1	4.987	4.987	0.000	65917	0.0500	0.0540	
1	5.176	5.177	-0.001	62377	0.0500	0.0541	
1	5.380	5.380	0.000	142960	0.0500	0.0517	
1	5.626	5.628	-0.002	73598	0.0500	0.0540	
		Average of Peak Amounts =				0.0534	
2	4.541	4.541	0.000	130466	0.0500	0.0509	
2	4.590	4.589	0.001	117320	0.0500	0.0512	
2	4.851	4.853	-0.001	115070	0.0500	0.0502	M
2	4.988	4.989	-0.001	274531	0.0500	0.0502	M
2	5.323	5.324	-0.001	162264	0.0500	0.0506	M
		Average of Peak Amounts =				0.0506	
						RPD = 5.39	
$ 15 DCB Decachlorobiphenyl							
1	7.046	7.046	0.000	38288	0.001250	0.001045	
2	6.405	6.405	0.000	64078	0.001250	0.001121	
						RPD = 7.05	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00003 Amount Added: 0.25 Units: mL

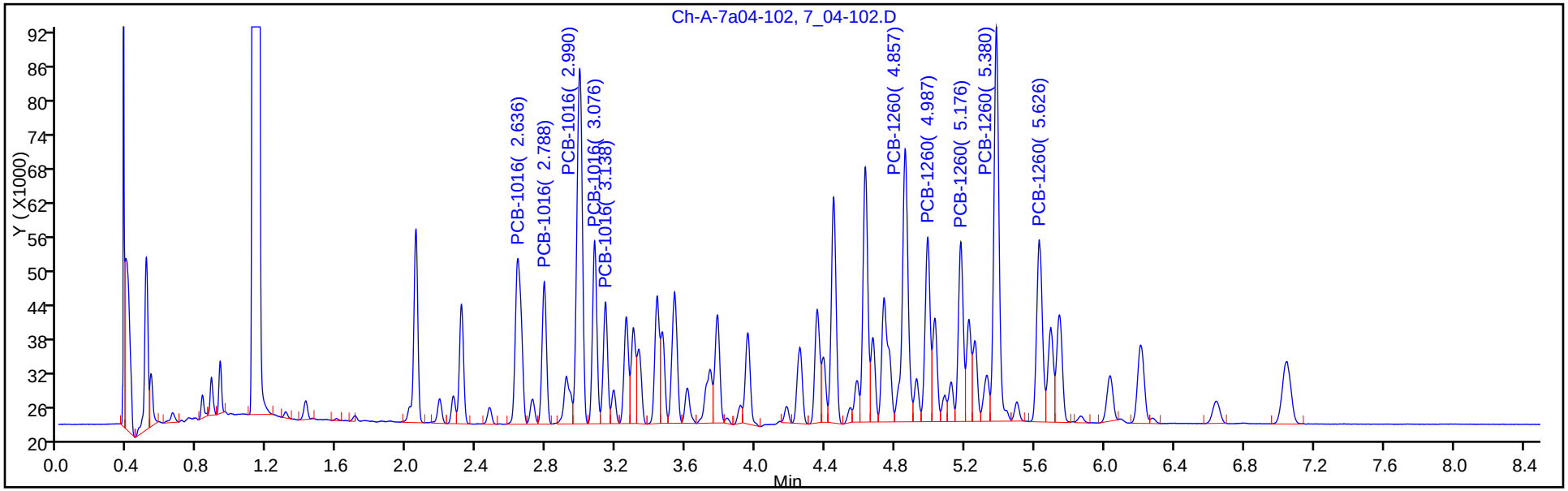
Report Date: 29-Apr-2016 01:46:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

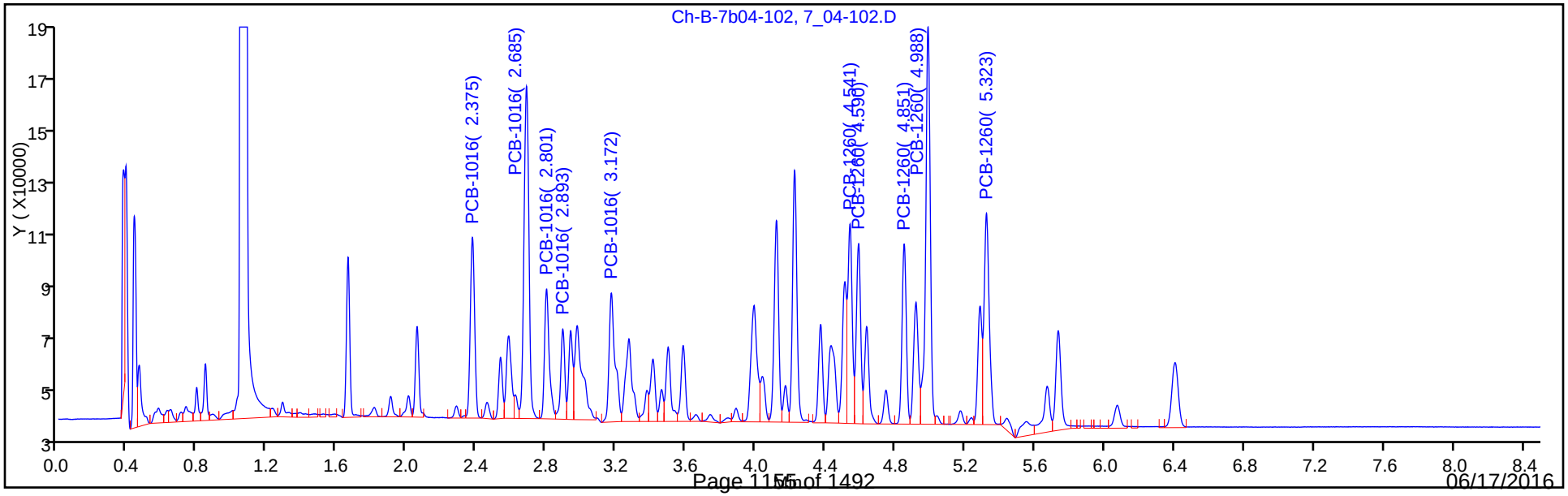
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-102.D

Injection Date:	28-Apr-2016 18:32:05	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



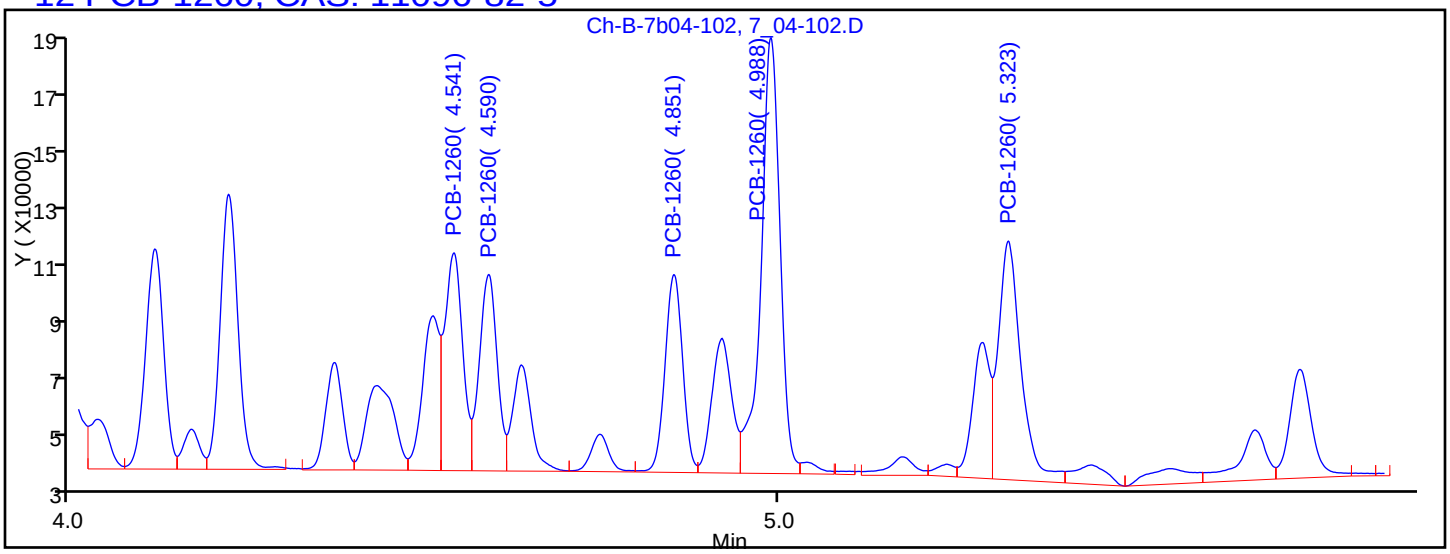
Report Date: 29-Apr-2016 01:46:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-102.D

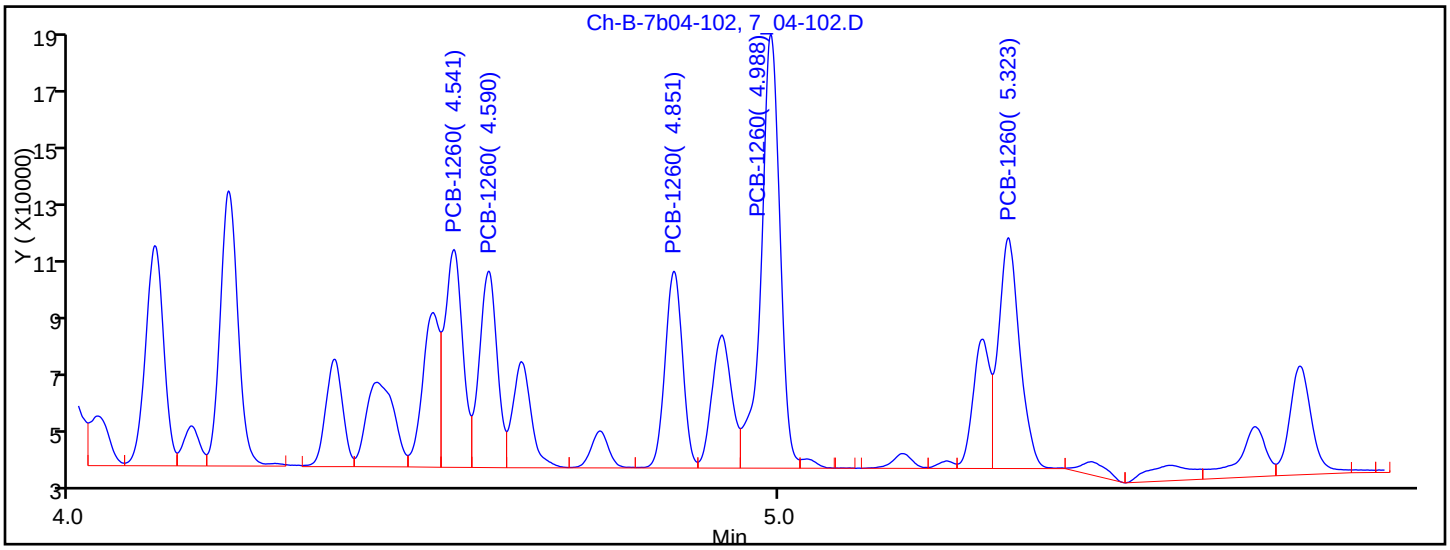
Injection Date:	28-Apr-2016 18:32:05	Instrument ID:	HP6890-7		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.541	Response = 130466	
RT = 4.590	Response = 117320	
RT = 4.851	Response = 116941	M
RT = 4.988	Response = 278005	M
RT = 5.323	Response = 181111	M



Manual Integration Results

RT = 4.541	Response = 130466	
RT = 4.590	Response = 117320	
RT = 4.851	Response = 115070	M
RT = 4.988	Response = 274531	M
RT = 5.323	Response = 162264	M

Reviewer: sobolk, 28-Apr-2016 19:23:14

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-103.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 18:50:57 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:46:26 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 28-Apr-2016 19:38:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	13981252	0.5000	0.5000	
2	1.063	1.063	0.000	22625554	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.051	2.051	0.000	23705	0.000500	0.000593	
2	1.663	1.663	0.000	31008	0.000500	0.000559	
						RPD = 5.81	
9 PCB-1016							
1	2.636	2.636	0.000	32716	0.0200	0.0258	
1	2.787	2.787	0.000	19765	0.0200	0.0254	
1	2.990	2.990	0.000	59427	0.0200	0.0233	
1	3.077	3.077	0.000	26208	0.0200	0.0259	
1	3.138	3.138	0.000	15847	0.0200	0.0233	
		Average of Peak Amounts =				0.0247	
2	2.375	2.375	0.000	49474	0.0200	0.0239	
2	2.685	2.685	0.000	111569	0.0200	0.0245	
2	2.800	2.800	0.000	39476	0.0200	0.0232	
2	2.893	2.893	0.000	21590	0.0200	0.0224	
2	3.171	3.171	0.000	58047	0.0200	0.0269	
		Average of Peak Amounts =				0.0242	
						RPD = 2.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.857	4.857	0.000	48728	0.0200	0.0239	M
1	4.986	4.986	0.000	29005	0.0200	0.0247	M
1	5.176	5.176	0.000	26748	0.0200	0.0242	M
1	5.379	5.379	0.000	62300	0.0200	0.0235	M
1	5.627	5.627	0.000	33027	0.0200	0.0253	
		Average of Peak Amounts =				0.0243	
2	4.541	4.541	0.000	54356	0.0200	0.0223	M
2	4.589	4.589	0.000	51007	0.0200	0.0235	M
2	4.851	4.851	0.000	49176	0.0200	0.0226	M
2	4.988	4.988	0.000	114444	0.0200	0.0220	M
2	5.323	5.323	0.000	67466	0.0200	0.0221	M
		Average of Peak Amounts =				0.0225	
						RPD = 7.71	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00003 Amount Added: 0.25 Units: mL

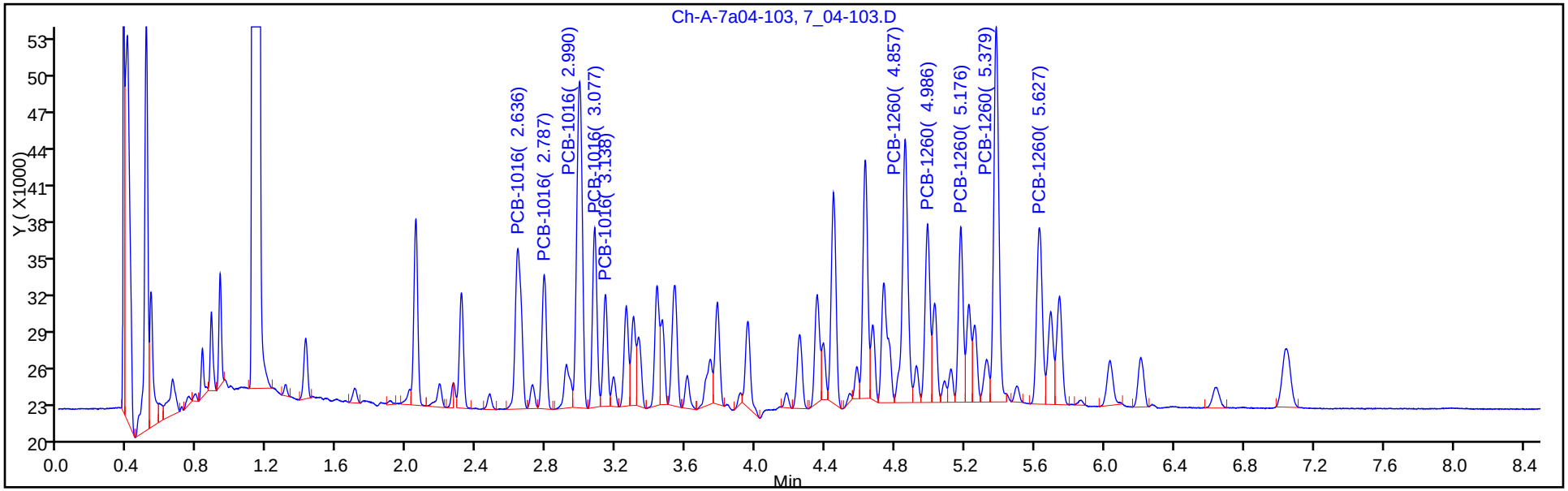
Report Date: 29-Apr-2016 01:46:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

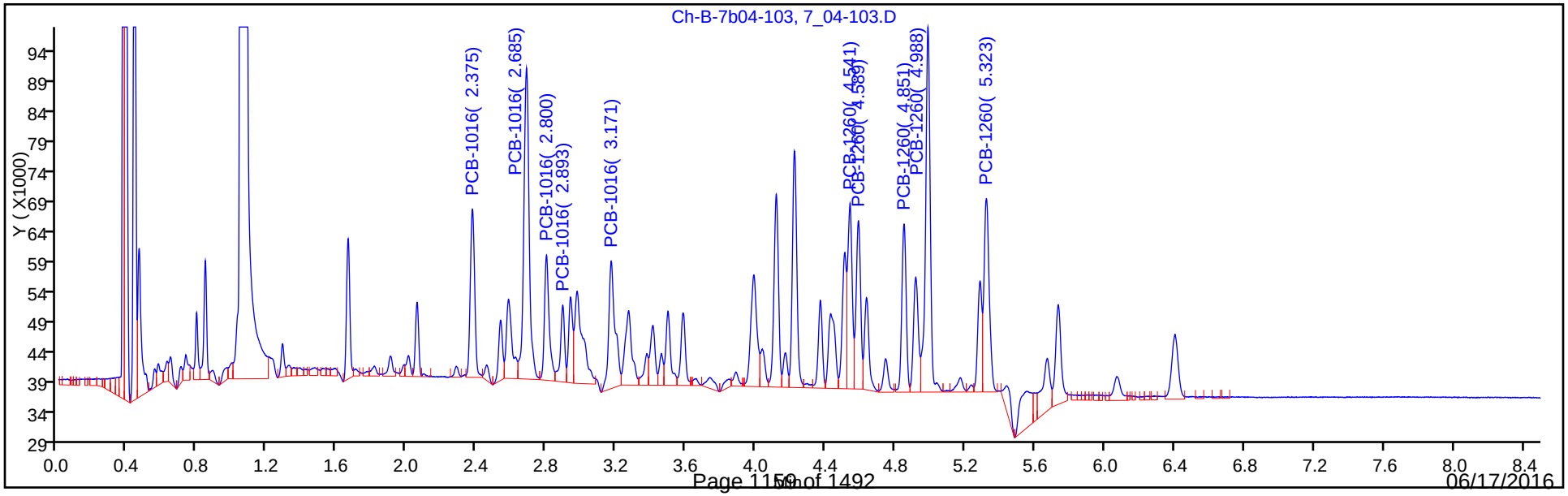
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-103.D

Injection Date:	28-Apr-2016 18:50:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:46:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-103.D

Injection Date: 28-Apr-2016 18:50:57 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

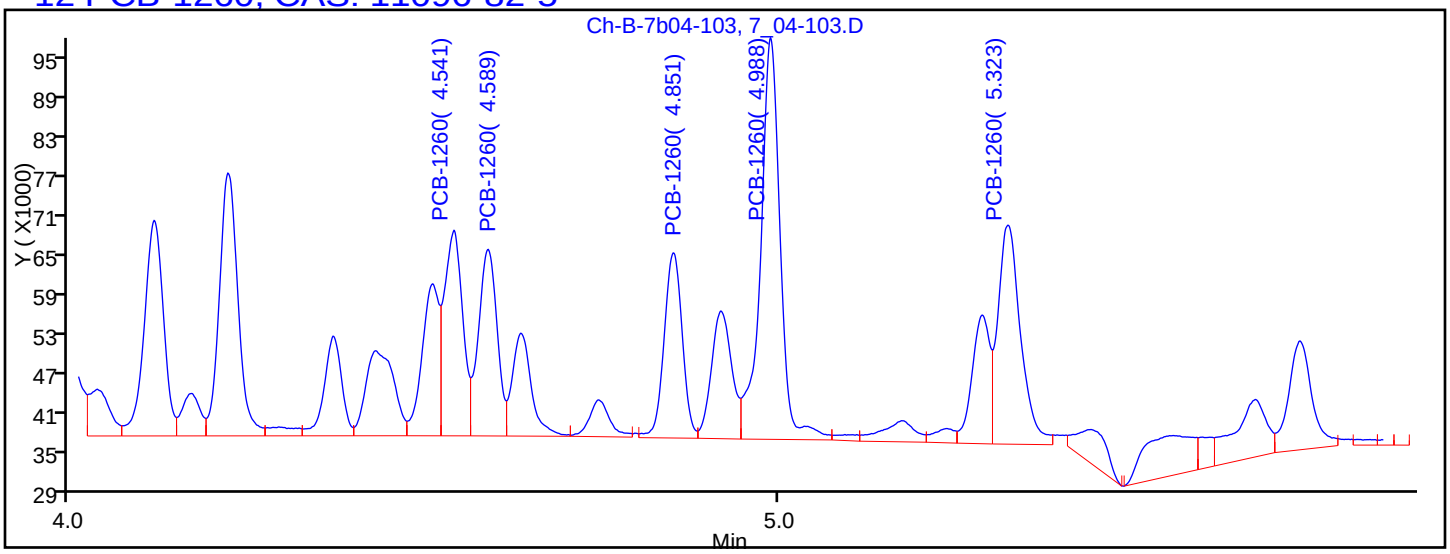
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

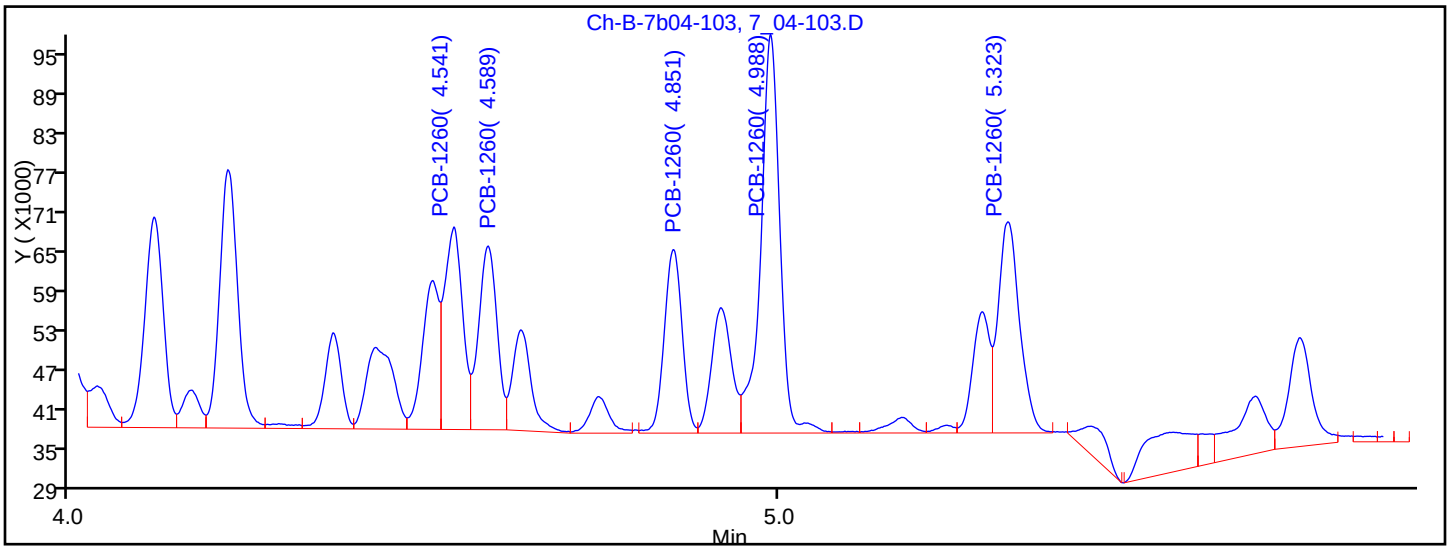
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.541	Response = 55507	M
RT = 4.589	Response = 52361	M
RT = 4.851	Response = 50346	M
RT = 4.988	Response = 118137	M
RT = 5.323	Response = 73767	M



Manual Integration Results

RT = 4.541	Response = 54356	M
RT = 4.589	Response = 51007	M
RT = 4.851	Response = 49176	M
RT = 4.988	Response = 114444	M
RT = 5.323	Response = 67466	M

Reviewer: sobolk, 28-Apr-2016 19:38:39

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 20:44 Calibration End Date: 04/28/2016 21:22 Calibration ID: 27253

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/16	7_04-111.D
Level 2	IC 480-298867/15	7_04-110.D
Level 3	IC 480-298867/14	7_04-109.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	+++++	0.0077	+++++			Ave		0.0077						20.0			
PCB-1221 Peak 2	+++++	0.0117	+++++			Ave		0.0117						20.0			
PCB-1221 Peak 3	+++++	0.0074	+++++			Ave		0.0074						20.0			
PCB-1221 Peak 4	+++++	0.0266	+++++			Ave		0.0266						20.0			
PCB-1254 Peak 1	+++++	0.0535	+++++			Ave		0.0535						20.0			
PCB-1254 Peak 2	+++++	0.0348	+++++			Ave		0.0348						20.0			
PCB-1254 Peak 3	+++++	0.0635	+++++			Ave		0.0635						20.0			
PCB-1254 Peak 4	+++++	0.0641	+++++			Ave		0.0641						20.0			
PCB-1254 Peak 5	+++++	0.0532	+++++			Ave		0.0532						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 20:44 Calibration End Date: 04/28/2016 21:22 Calibration ID: 27253

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/16	7_04-111.D
Level 2	IC 480-298867/15	7_04-110.D
Level 3	IC 480-298867/14	7_04-109.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Ave	+++++	104810	+++++			+++++	0.500	+++++		
PCB-1221 Peak 2	BNB	Ave	+++++	160253	+++++			+++++	0.500	+++++		
PCB-1221 Peak 3	BNB	Ave	+++++	100539	+++++			+++++	0.500	+++++		
PCB-1221 Peak 4	BNB	Ave	+++++	363360	+++++			+++++	0.500	+++++		
PCB-1254 Peak 1	BNB	Ave	+++++	730408	+++++			+++++	0.500	+++++		
PCB-1254 Peak 2	BNB	Ave	+++++	474746	+++++			+++++	0.500	+++++		
PCB-1254 Peak 3	BNB	Ave	+++++	866607	+++++			+++++	0.500	+++++		
PCB-1254 Peak 4	BNB	Ave	+++++	873703	+++++			+++++	0.500	+++++		
PCB-1254 Peak 5	BNB	Ave	+++++	725355	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-109.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 20:44:17 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:47:23 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 00:23:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	13396128	0.5000	0.5000	
2	1.064	1.064	0.000	21144788	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.597	1.595	0.002	355221	2.00	1.73	a
1	2.188	2.188	0.000	565946	2.00	1.80	a
1	2.266	2.265	0.001	343534	2.00	1.74	a
1	2.313	2.312	0.000	1275367	2.00	1.79	a
		Average of Peak Amounts =				1.76	
2	1.388	1.388	0.000	522554	2.00	1.67	a
2	1.908	1.907	0.001	924812	2.00	1.82	a
2	2.010	2.009	0.001	554025	2.00	1.72	a
2	2.059	2.058	0.001	1610682	2.00	1.86	a
		Average of Peak Amounts =				1.77	
						RPD = 0.28	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.955	3.954	0.001	2788359	2.00	1.94	a
1	4.176	4.177	-0.001	1843411	2.00	1.98	a
1	4.257	4.256	0.001	3338109	2.00	1.96	a
1	4.454	4.454	0.000	3349652	2.00	1.95	a
1	4.858	4.858	0.000	2804806	2.00	1.97	a
		Average of Peak Amounts =				1.96	
2	3.585	3.585	0.000	4218417	2.00	1.94	a
2	3.888	3.887	0.001	3047129	2.00	1.96	a
2	3.973	3.974	-0.001	6567116	2.00	1.96	a
2	4.105	4.105	0.000	6708992	2.00	1.97	a
2	4.541	4.543	-0.001	5578534	2.00	1.99	a
		Average of Peak Amounts =				1.97	
						RPD = 0.34	

Reagents:

21-54w/IS@2.0_00004 Amount Added: 0.25 Units: mL

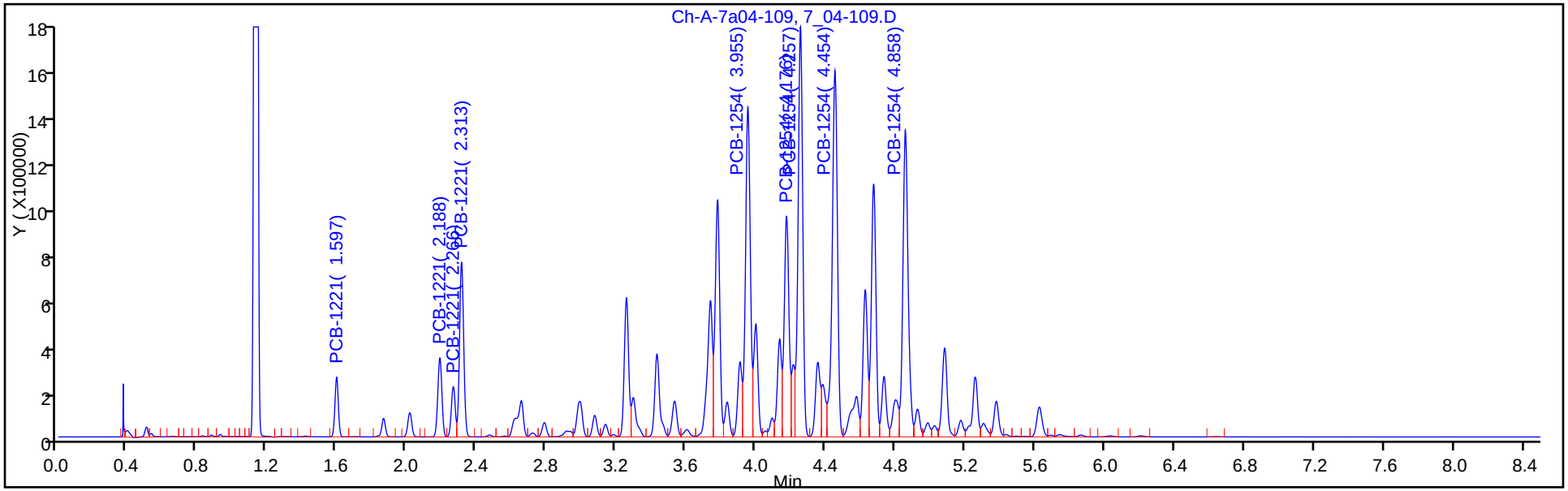
Report Date: 29-Apr-2016 01:47:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

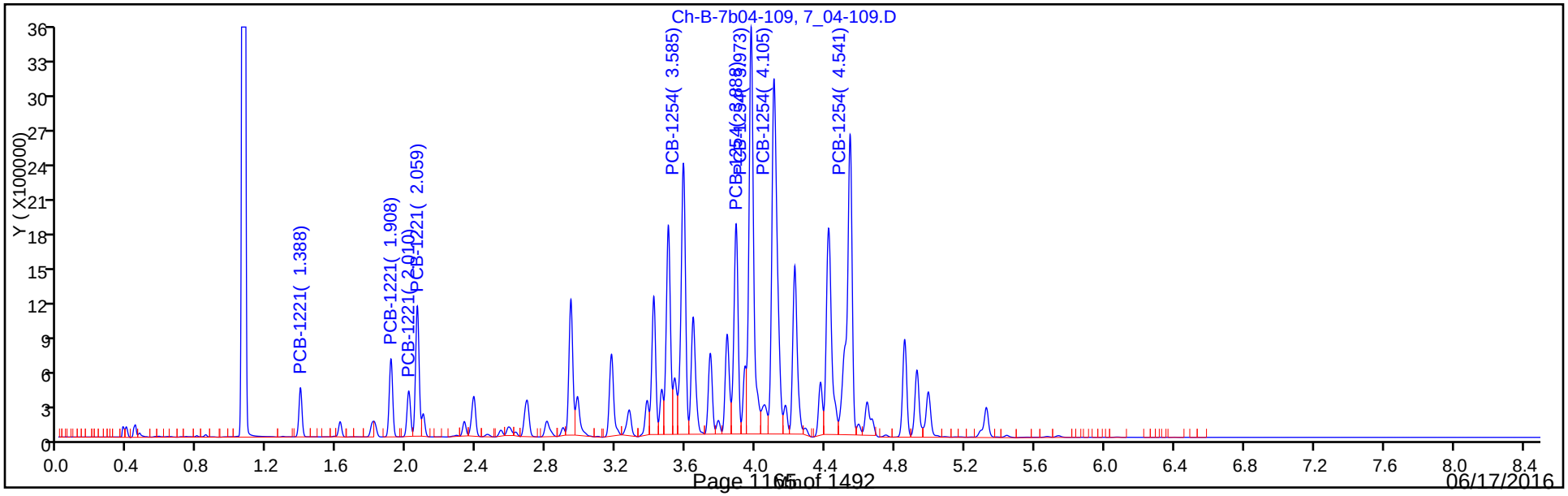
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-109.D

Injection Date:	28-Apr-2016 20:44:17	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-110.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 21:03:10 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:47:29 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 00:31:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	13639959	0.5000	0.5000	
2	1.064	1.064	0.000	21700603	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.597	1.595	0.002	104810	0.5000	0.5000	
1	2.188	2.188	0.000	160253	0.5000	0.5000	
1	2.265	2.265	0.000	100539	0.5000	0.5000	
1	2.313	2.312	0.001	363360	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.389	1.388	0.001	160341	0.5000	0.5000	
2	1.908	1.907	0.001	260191	0.5000	0.5000	
2	2.010	2.009	0.001	165510	0.5000	0.5000	
2	2.059	2.058	0.001	445419	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.956	3.954	0.002	730408	0.5000	0.5000	
1	4.178	4.177	0.001	474746	0.5000	0.5000	
1	4.257	4.256	0.001	866607	0.5000	0.5000	
1	4.455	4.454	0.001	873703	0.5000	0.5000	
1	4.860	4.858	0.002	725355	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.585	3.585	0.000	1114119	0.5000	0.5000	
2	3.888	3.887	0.001	796193	0.5000	0.5000	
2	3.973	3.974	-0.001	1717372	0.5000	0.5000	
2	4.106	4.105	0.001	1745501	0.5000	0.5000	
2	4.542	4.543	0.000	1435458	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

21-54w/IS@0.5_00003 Amount Added: 0.25 Units: mL

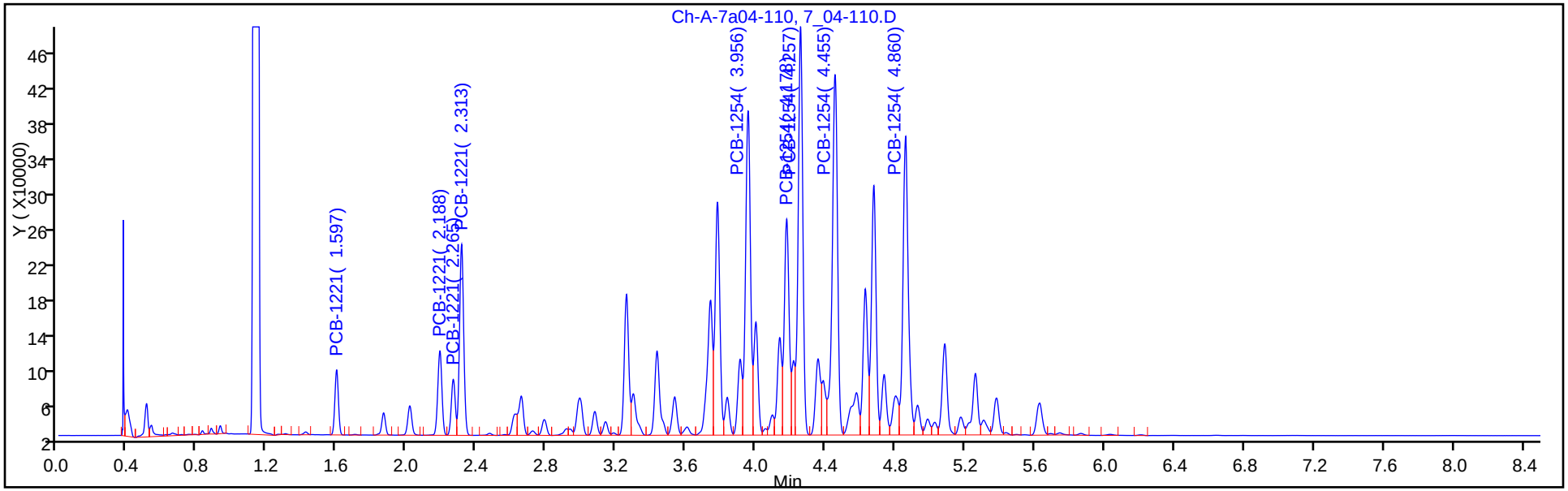
Report Date: 29-Apr-2016 01:47:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

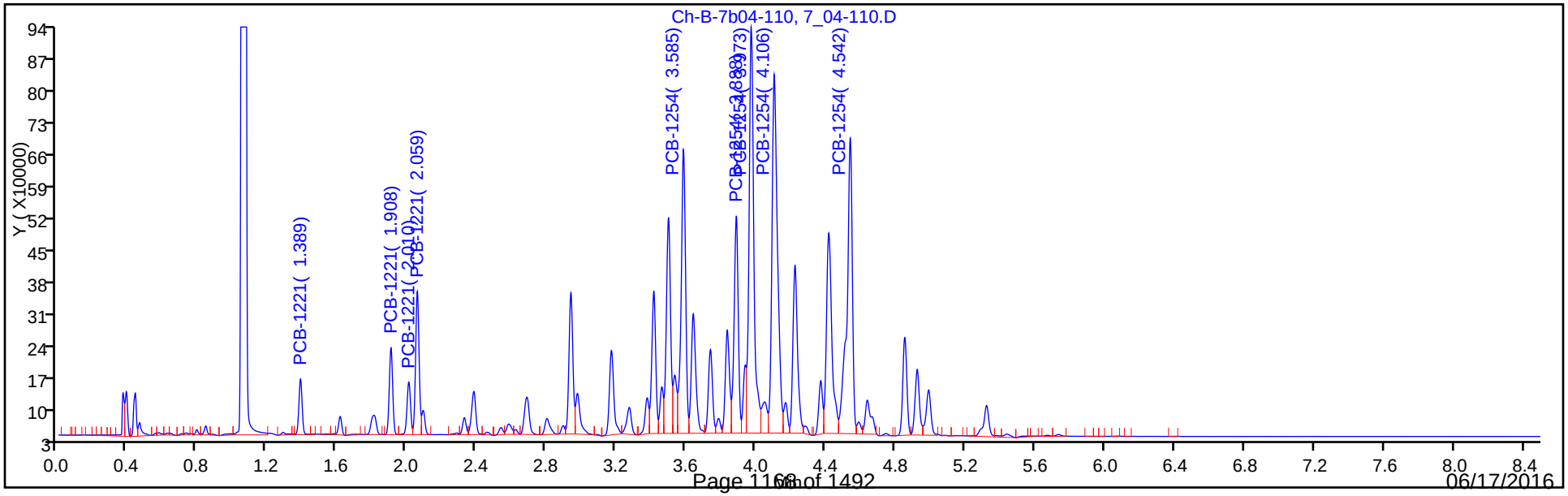
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-110.D

Injection Date:	28-Apr-2016 21:03:10	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-111.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 21:22:01 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:47:38 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 00:32:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.133	1.133	0.000	13790305	0.5000	0.5000	
2	1.063	1.063	0.000	22018195	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.595	1.595	0.000	6858	0.0200	0.0324	
1	2.188	2.188	0.000	9596	0.0200	0.0296	
1	2.265	2.265	0.000	2949	0.0200	0.0145	
1	2.312	2.312	0.000	20516	0.0200	0.0279	
		Average of Peak Amounts =				0.0261	
2	1.388	1.388	0.000	15403	0.0200	0.0473	
2	1.907	1.907	0.000	13897	0.0200	0.0263	
2	2.009	2.009	0.000	8879	0.0200	0.0264	
2	2.058	2.058	0.000	17271	0.0200	0.0191	
		Average of Peak Amounts =				0.0298	
						RPD = 13.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.954	3.954	0.000	40671	0.0200	0.0275	M
1	4.177	4.177	0.000	26972	0.0200	0.0281	M
1	4.256	4.256	0.000	46768	0.0200	0.0267	M
1	4.454	4.454	0.000	47128	0.0200	0.0267	M
1	4.858	4.858	0.000	41100	0.0200	0.0280	M
		Average of Peak Amounts =				0.0274	
2	3.585	3.585	0.000	57773	0.0200	0.0256	M
2	3.887	3.887	0.000	40814	0.0200	0.0253	
2	3.974	3.974	0.000	82955	0.0200	0.0238	
2	4.105	4.105	0.000	86784	0.0200	0.0245	
2	4.543	4.543	0.000	68864	0.0200	0.0236	
		Average of Peak Amounts =				0.0246	
						RPD = 10.98	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00003 Amount Added: 0.25 Units: mL

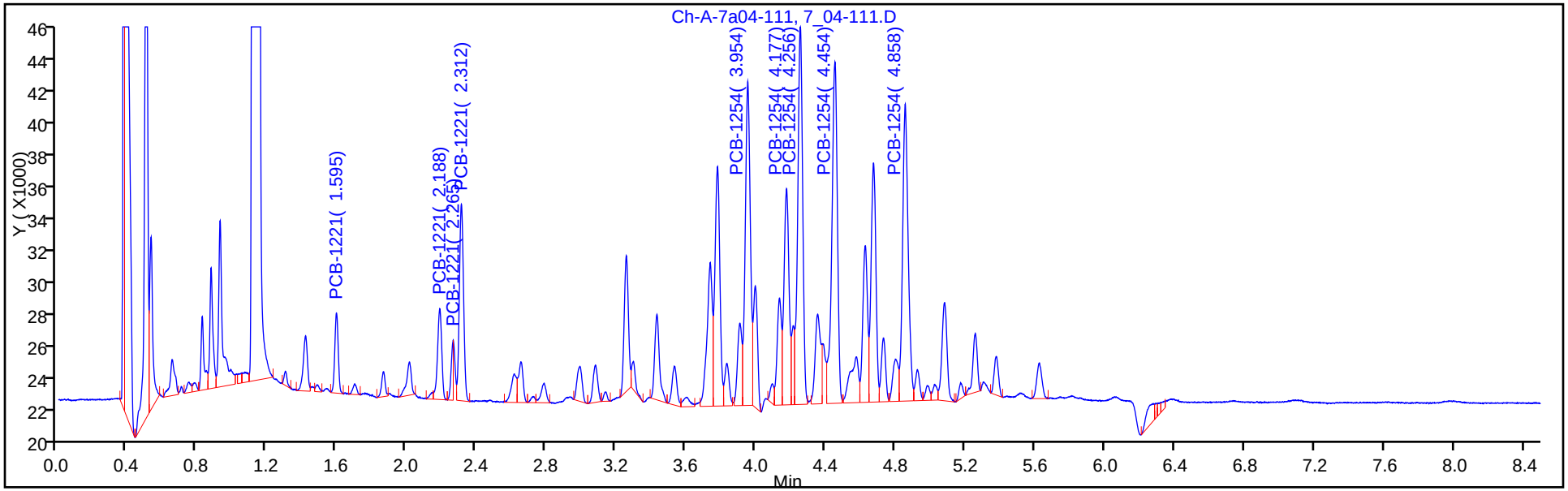
Report Date: 29-Apr-2016 01:47:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

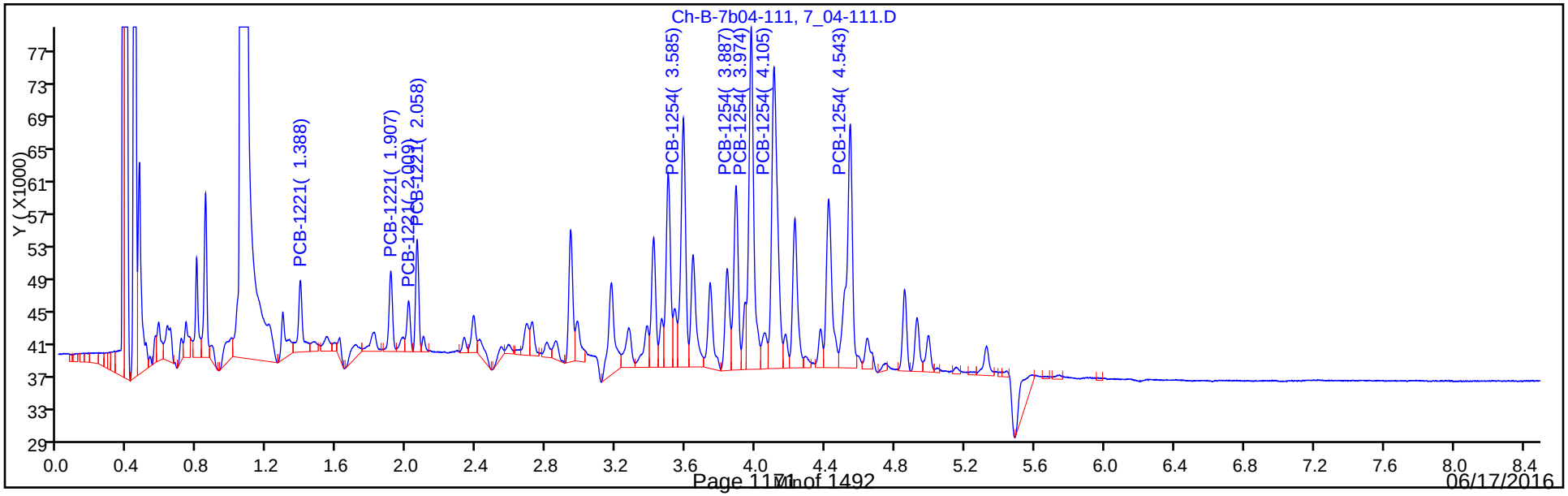
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-111.D

Injection Date:	28-Apr-2016 21:22:01	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:47:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-111.D

Injection Date: 28-Apr-2016 21:22:01 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

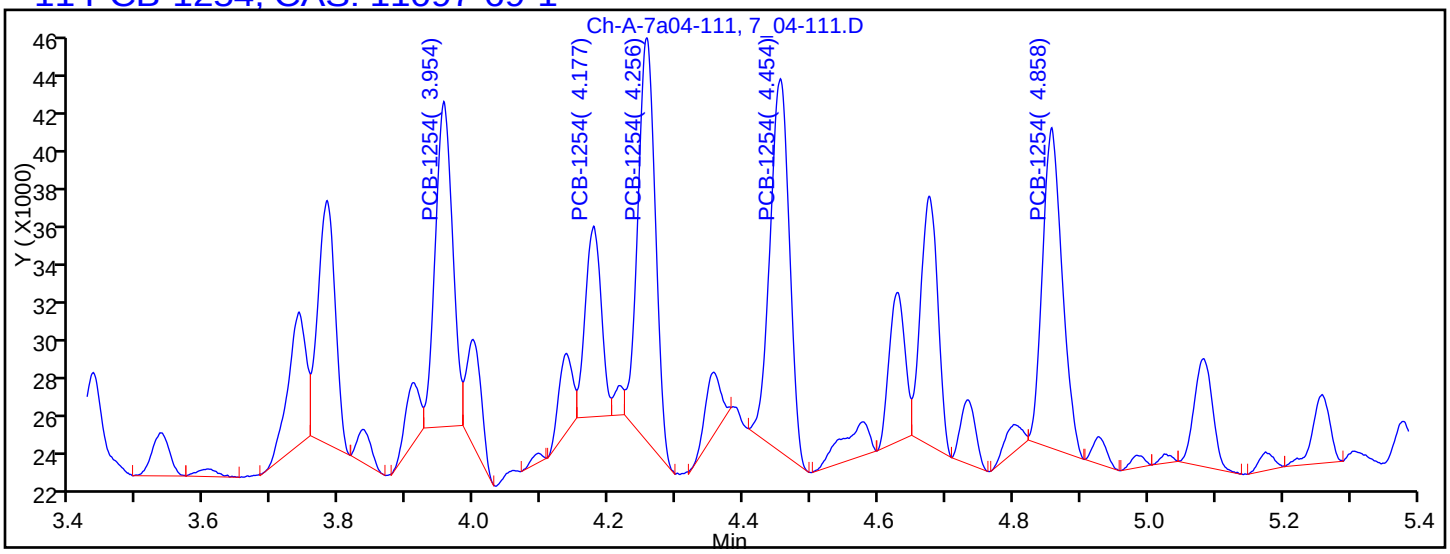
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

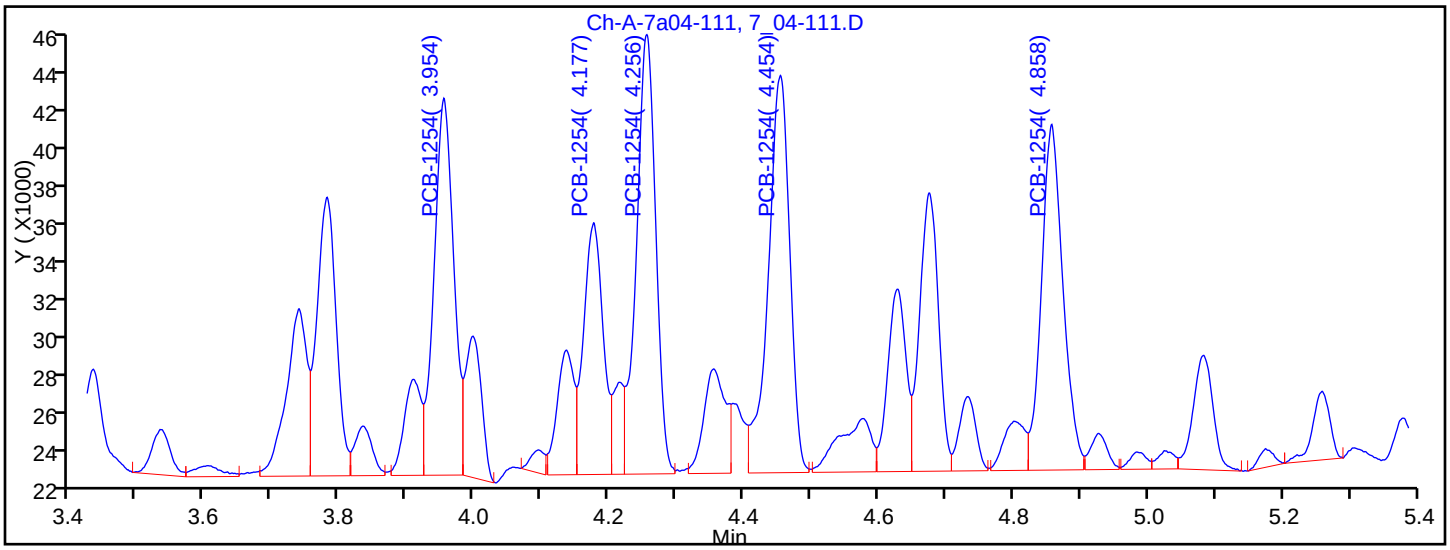
Column: Detector Ch-A-7A136

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.954	Response = 31033	M
RT = 4.177	Response = 16886	M
RT = 4.256	Response = 38942	M
RT = 4.454	Response = 39814	M
RT = 4.858	Response = 34885	M



Manual Integration Results

RT = 3.954	Response = 40671	M
RT = 4.177	Response = 26972	M
RT = 4.256	Response = 46768	M
RT = 4.454	Response = 47128	M
RT = 4.858	Response = 41100	M

Reviewer: sobolk, 29-Apr-2016 00:32:38

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 20:44 Calibration End Date: 04/28/2016 21:22 Calibration ID: 27254

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/16	7_04-111.D
Level 2	IC 480-298867/15	7_04-110.D
Level 3	IC 480-298867/14	7_04-109.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	+++++	0.0074	+++++			Ave		0.0074						20.0			
PCB-1221 Peak 2	+++++	0.0120	+++++			Ave		0.0120						20.0			
PCB-1221 Peak 3	+++++	0.0076	+++++			Ave		0.0076						20.0			
PCB-1221 Peak 4	+++++	0.0205	+++++			Ave		0.0205						20.0			
PCB-1254 Peak 1	+++++	0.0513	+++++			Ave		0.0513						20.0			
PCB-1254 Peak 2	+++++	0.0367	+++++			Ave		0.0367						20.0			
PCB-1254 Peak 3	+++++	0.0791	+++++			Ave		0.0791						20.0			
PCB-1254 Peak 4	+++++	0.0804	+++++			Ave		0.0804						20.0			
PCB-1254 Peak 5	+++++	0.0661	+++++			Ave		0.0661						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 20:44 Calibration End Date: 04/28/2016 21:22 Calibration ID: 27254

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/16	7_04-111.D
Level 2	IC 480-298867/15	7_04-110.D
Level 3	IC 480-298867/14	7_04-109.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Ave	+++++	160341	+++++			+++++	0.500	+++++		
PCB-1221 Peak 2	BNB	Ave	+++++	260191	+++++			+++++	0.500	+++++		
PCB-1221 Peak 3	BNB	Ave	+++++	165510	+++++			+++++	0.500	+++++		
PCB-1221 Peak 4	BNB	Ave	+++++	445419	+++++			+++++	0.500	+++++		
PCB-1254 Peak 1	BNB	Ave	+++++	1114119	+++++			+++++	0.500	+++++		
PCB-1254 Peak 2	BNB	Ave	+++++	796193	+++++			+++++	0.500	+++++		
PCB-1254 Peak 3	BNB	Ave	+++++	1717372	+++++			+++++	0.500	+++++		
PCB-1254 Peak 4	BNB	Ave	+++++	1745501	+++++			+++++	0.500	+++++		
PCB-1254 Peak 5	BNB	Ave	+++++	1435458	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-109.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 20:44:17 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:47:23 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 00:23:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	13396128	0.5000	0.5000	
2	1.064	1.064	0.000	21144788	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.597	1.595	0.002	355221	2.00	1.73	a
1	2.188	2.188	0.000	565946	2.00	1.80	a
1	2.266	2.265	0.001	343534	2.00	1.74	a
1	2.313	2.312	0.000	1275367	2.00	1.79	a
		Average of Peak Amounts =				1.76	
2	1.388	1.388	0.000	522554	2.00	1.67	a
2	1.908	1.907	0.001	924812	2.00	1.82	a
2	2.010	2.009	0.001	554025	2.00	1.72	a
2	2.059	2.058	0.001	1610682	2.00	1.86	a
		Average of Peak Amounts =				1.77	
						RPD = 0.28	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.955	3.954	0.001	2788359	2.00	1.94	a
1	4.176	4.177	-0.001	1843411	2.00	1.98	a
1	4.257	4.256	0.001	3338109	2.00	1.96	a
1	4.454	4.454	0.000	3349652	2.00	1.95	a
1	4.858	4.858	0.000	2804806	2.00	1.97	a
		Average of Peak Amounts =				1.96	
2	3.585	3.585	0.000	4218417	2.00	1.94	a
2	3.888	3.887	0.001	3047129	2.00	1.96	a
2	3.973	3.974	-0.001	6567116	2.00	1.96	a
2	4.105	4.105	0.000	6708992	2.00	1.97	a
2	4.541	4.543	-0.001	5578534	2.00	1.99	a
		Average of Peak Amounts =				1.97	
						RPD = 0.34	

Reagents:

21-54w/IS@2.0_00004 Amount Added: 0.25 Units: mL

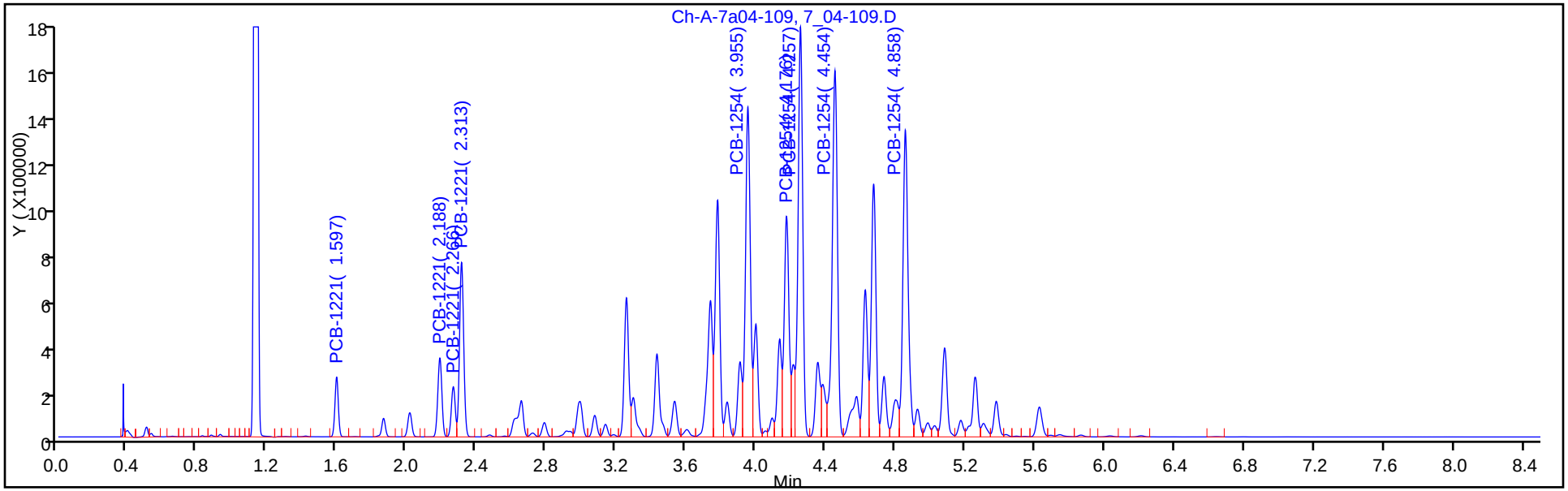
Report Date: 29-Apr-2016 01:47:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

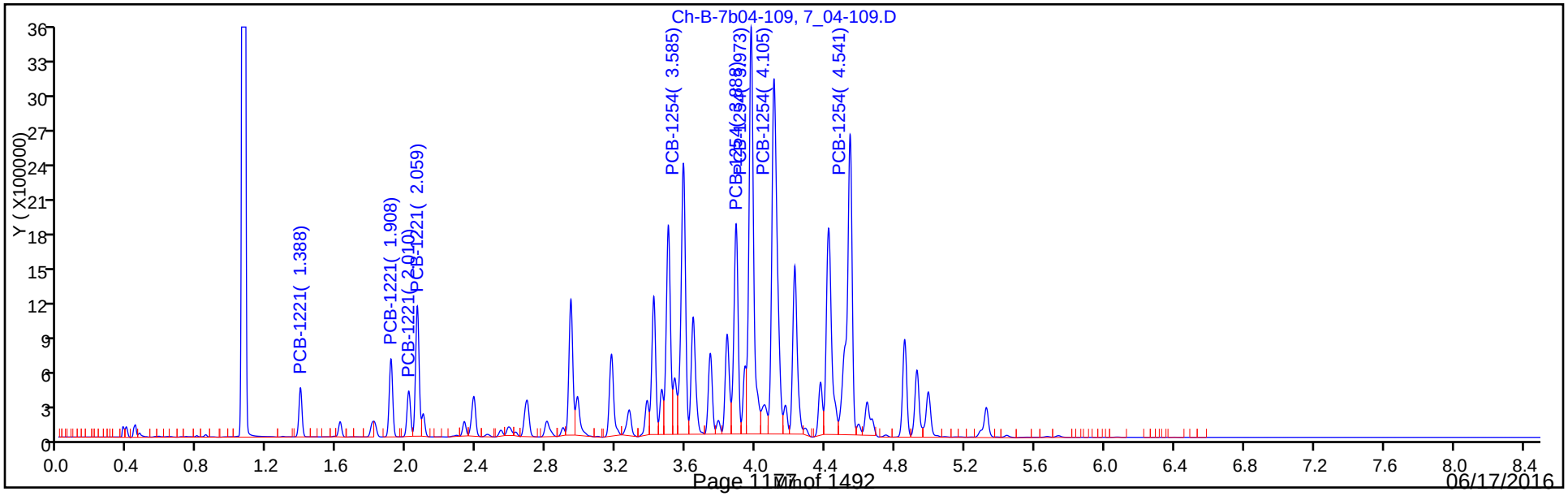
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-109.D

Injection Date:	28-Apr-2016 20:44:17	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-110.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 21:03:10 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:47:29 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 00:31:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.135	-0.001	13639959	0.5000	0.5000	
2	1.064	1.064	0.000	21700603	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.597	1.595	0.002	104810	0.5000	0.5000	
1	2.188	2.188	0.000	160253	0.5000	0.5000	
1	2.265	2.265	0.000	100539	0.5000	0.5000	
1	2.313	2.312	0.001	363360	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	1.389	1.388	0.001	160341	0.5000	0.5000	
2	1.908	1.907	0.001	260191	0.5000	0.5000	
2	2.010	2.009	0.001	165510	0.5000	0.5000	
2	2.059	2.058	0.001	445419	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.956	3.954	0.002	730408	0.5000	0.5000	
1	4.178	4.177	0.001	474746	0.5000	0.5000	
1	4.257	4.256	0.001	866607	0.5000	0.5000	
1	4.455	4.454	0.001	873703	0.5000	0.5000	
1	4.860	4.858	0.002	725355	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.585	3.585	0.000	1114119	0.5000	0.5000	
2	3.888	3.887	0.001	796193	0.5000	0.5000	
2	3.973	3.974	-0.001	1717372	0.5000	0.5000	
2	4.106	4.105	0.001	1745501	0.5000	0.5000	
2	4.542	4.543	0.000	1435458	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Reagents:

21-54w/IS@0.5_00003 Amount Added: 0.25 Units: mL

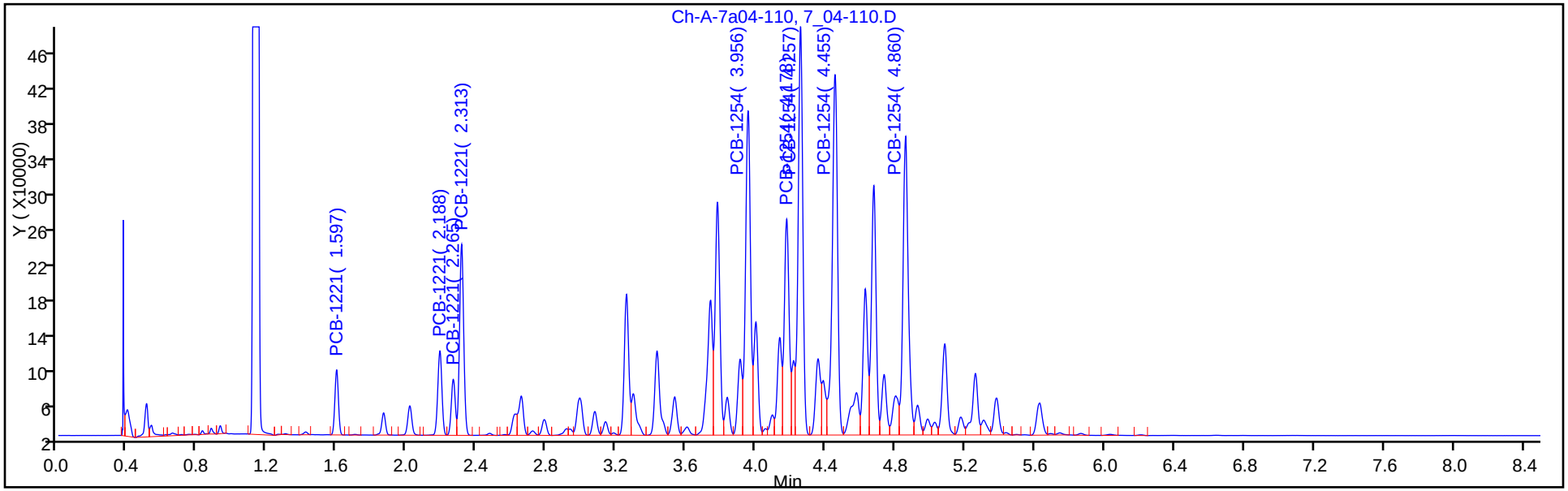
Report Date: 29-Apr-2016 01:47:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

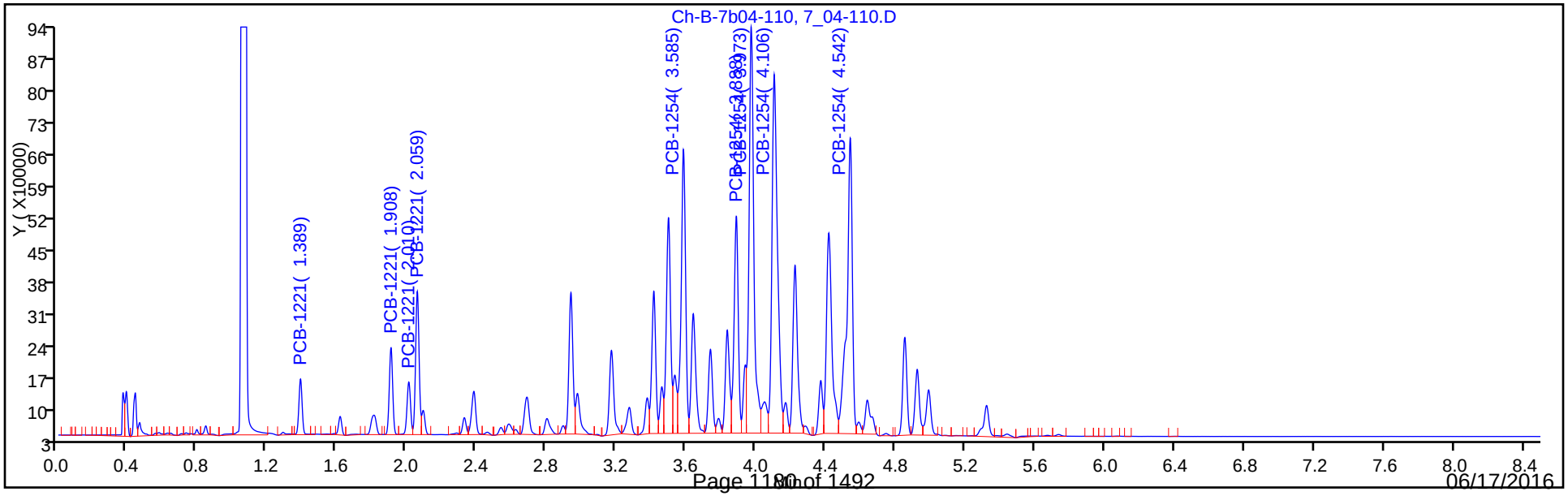
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-110.D

Injection Date:	28-Apr-2016 21:03:10	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-111.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 21:22:01 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:47:38 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 00:32:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.133	1.133	0.000	13790305	0.5000	0.5000	
2	1.063	1.063	0.000	22018195	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.595	1.595	0.000	6858	0.0200	0.0324	
1	2.188	2.188	0.000	9596	0.0200	0.0296	
1	2.265	2.265	0.000	2949	0.0200	0.0145	
1	2.312	2.312	0.000	20516	0.0200	0.0279	
		Average of Peak Amounts =				0.0261	
2	1.388	1.388	0.000	15403	0.0200	0.0473	
2	1.907	1.907	0.000	13897	0.0200	0.0263	
2	2.009	2.009	0.000	8879	0.0200	0.0264	
2	2.058	2.058	0.000	17271	0.0200	0.0191	
		Average of Peak Amounts =				0.0298	
						RPD = 13.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.954	3.954	0.000	40671	0.0200	0.0275	M
1	4.177	4.177	0.000	26972	0.0200	0.0281	M
1	4.256	4.256	0.000	46768	0.0200	0.0267	M
1	4.454	4.454	0.000	47128	0.0200	0.0267	M
1	4.858	4.858	0.000	41100	0.0200	0.0280	M
		Average of Peak Amounts =				0.0274	
2	3.585	3.585	0.000	57773	0.0200	0.0256	M
2	3.887	3.887	0.000	40814	0.0200	0.0253	
2	3.974	3.974	0.000	82955	0.0200	0.0238	
2	4.105	4.105	0.000	86784	0.0200	0.0245	
2	4.543	4.543	0.000	68864	0.0200	0.0236	
		Average of Peak Amounts =				0.0246	
						RPD = 10.98	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00003 Amount Added: 0.25 Units: mL

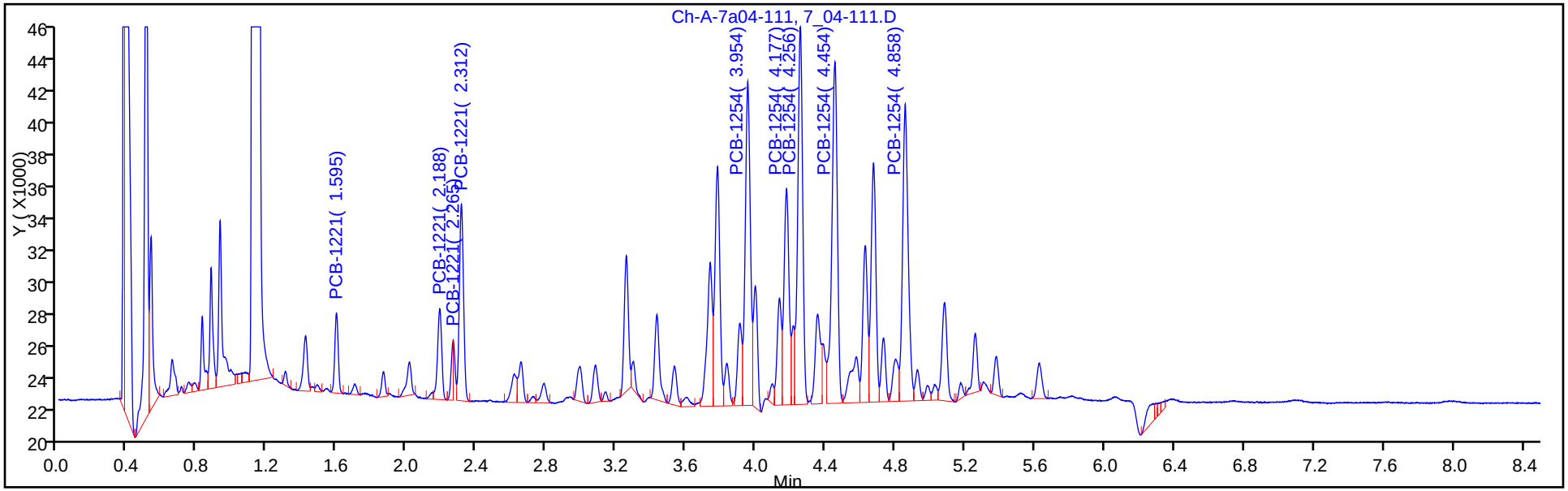
Report Date: 29-Apr-2016 01:47:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

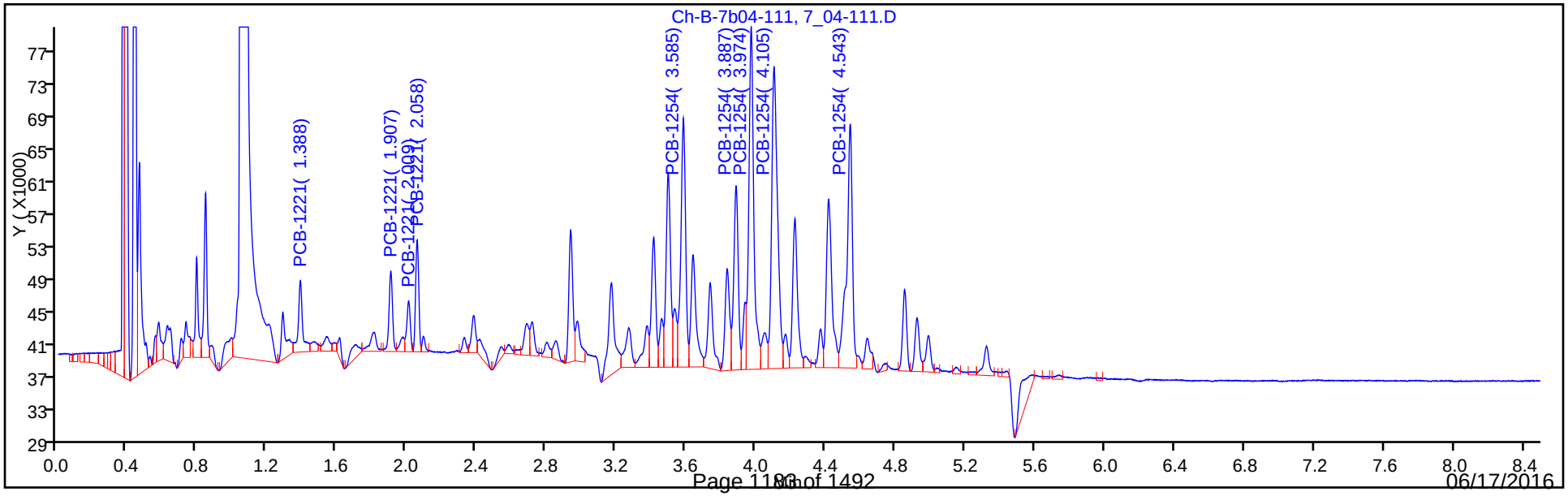
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-111.D

Injection Date:	28-Apr-2016 21:22:01	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:47:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-111.D

Injection Date: 28-Apr-2016 21:22:01 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

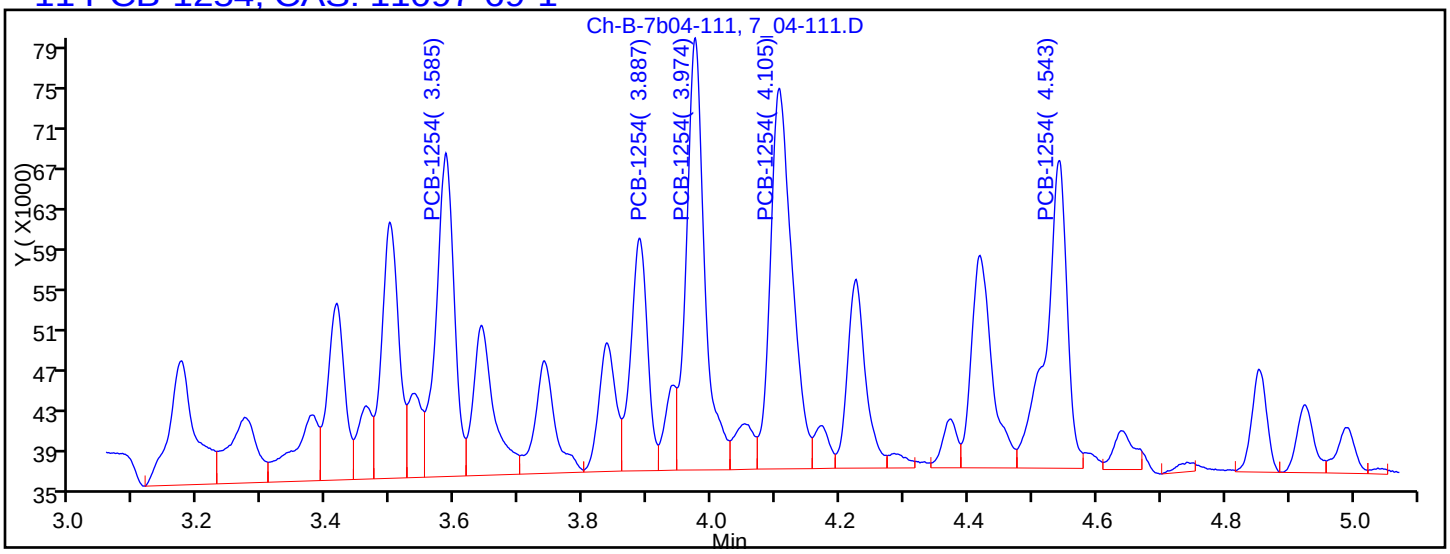
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

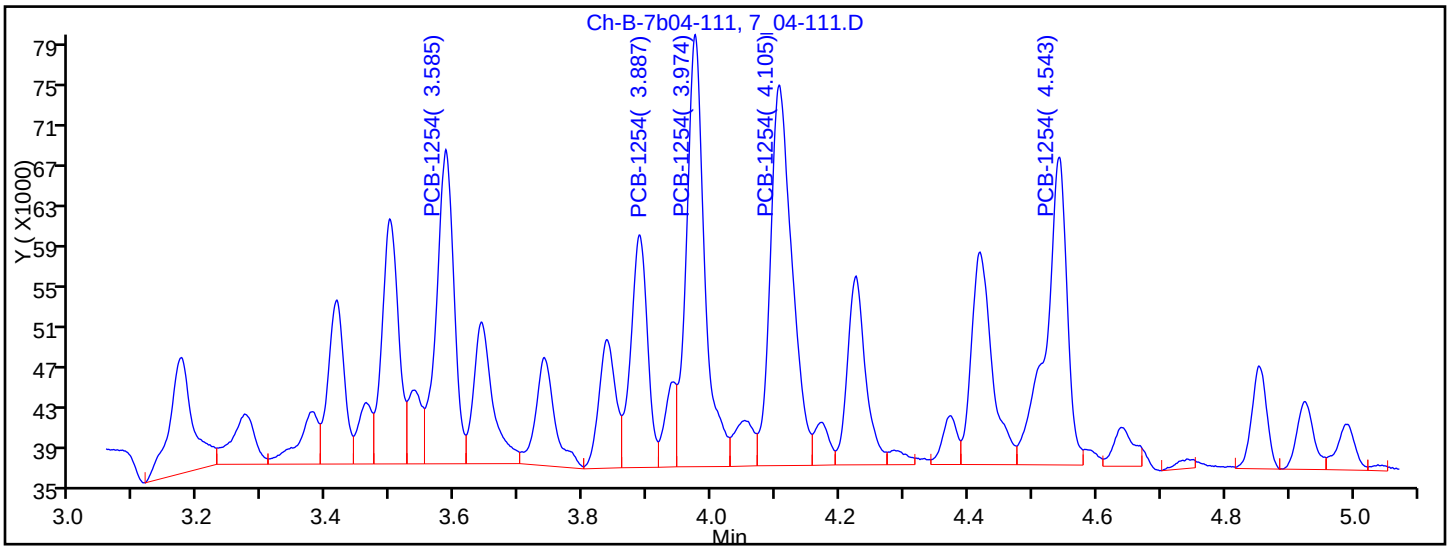
RT = 3.585 Response = 61334 M

RT = 3.887 Response = 40814

RT = 3.974 Response = 82955

RT = 4.105 Response = 86784

RT = 4.543 Response = 68864



Manual Integration Results

RT = 3.585 Response = 57773 M

RT = 3.887 Response = 40814

RT = 3.974 Response = 82955

RT = 4.105 Response = 86784

RT = 4.543 Response = 68864

Reviewer: sobolk, 29-Apr-2016 00:32:38

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 21:59 Calibration End Date: 04/28/2016 22:37 Calibration ID: 27275

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/20	7_04-115.D
Level 2	IC 480-298867/19	7_04-114.D
Level 3	IC 480-298867/18	7_04-113.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	+++++	0.0219	+++++			Ave		0.0219						20.0			
PCB-1232 Peak 2	+++++	0.0115	+++++			Ave		0.0115						20.0			
PCB-1232 Peak 3	+++++	0.0375	+++++			Ave		0.0375						20.0			
PCB-1232 Peak 4	+++++	0.0146	+++++			Ave		0.0146						20.0			
PCB-1232 Peak 5	+++++	0.0101	+++++			Ave		0.0101						20.0			
PCB-1262 Peak 1	+++++	0.0534	+++++			Ave		0.0534						20.0			
PCB-1262 Peak 2	+++++	0.0412	+++++			Ave		0.0412						20.0			
PCB-1262 Peak 3	+++++	0.0956	+++++			Ave		0.0956						20.0			
PCB-1262 Peak 4	+++++	0.0310	+++++			Ave		0.0310						20.0			
PCB-1262 Peak 5	+++++	0.0375	+++++			Ave		0.0375						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 21:59 Calibration End Date: 04/28/2016 22:37 Calibration ID: 27275

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/20	7_04-115.D
Level 2	IC 480-298867/19	7_04-114.D
Level 3	IC 480-298867/18	7_04-113.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Ave	+++++	307128	+++++			+++++	0.500	+++++		
PCB-1232 Peak 2	BNB	Ave	+++++	161088	+++++			+++++	0.500	+++++		
PCB-1232 Peak 3	BNB	Ave	+++++	526807	+++++			+++++	0.500	+++++		
PCB-1232 Peak 4	BNB	Ave	+++++	205349	+++++			+++++	0.500	+++++		
PCB-1232 Peak 5	BNB	Ave	+++++	141927	+++++			+++++	0.500	+++++		
PCB-1262 Peak 1	BNB	Ave	+++++	750050	+++++			+++++	0.500	+++++		
PCB-1262 Peak 2	BNB	Ave	+++++	578947	+++++			+++++	0.500	+++++		
PCB-1262 Peak 3	BNB	Ave	+++++	1343400	+++++			+++++	0.500	+++++		
PCB-1262 Peak 4	BNB	Ave	+++++	436023	+++++			+++++	0.500	+++++		
PCB-1262 Peak 5	BNB	Ave	+++++	526309	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 21:59:49 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 14:50:37 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: sobolk Date: 29-Apr-2016 00:35:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.134	1.134	0.000	14442014	0.5000	0.5000	M
2	1.064	1.064	0.000	22866187	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.313	2.313	0.000	1089300	2.00	1.73	M
1	2.788	2.787	0.001	573965	2.00	1.73	M
1	2.991	2.989	0.002	1996852	2.00	1.84	M
1	3.076	3.077	-0.001	753963	2.00	1.79	M
1	3.138	3.138	0.000	525363	2.00	1.80	M
		Average of Peak Amounts =				1.78	
2	2.059	2.059	0.000	1405125	2.00	1.70	a
2	2.378	2.378	0.000	1671192	2.00	1.73	a
2	2.688	2.687	0.001	3473014	2.00	1.83	a
2	2.801	2.803	-0.002	1329019	2.00	1.85	a
2	3.173	3.173	0.001	1530645	2.00	1.78	a
		Average of Peak Amounts =				1.78	
						RPD = 0.05	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.987	4.984	0.003	2933599	2.00	1.90	M
1	5.177	5.175	0.002	2273429	2.00	1.91	M
1	5.379	5.378	0.001	5334880	2.00	1.93	M
1	5.626	5.626	0.000	1695106	2.00	1.89	M
1	5.741	5.739	0.002	2095973	2.00	1.94	M
		Average of Peak Amounts =				1.91	
2	4.591	4.589	0.002	5866977	2.00	1.93	M
2	4.852	4.851	0.001	4857383	2.00	1.96	M
2	4.990	4.989	0.001	10703261	2.00	1.95	M
2	5.286	5.286	0.000	4232998	2.00	1.91	M
2	5.326	5.324	0.002	6621684	2.00	1.97	M
		Average of Peak Amounts =				1.95	
						RPD = 1.63	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@2.0_00003 Amount Added: 0.25 Units: mL

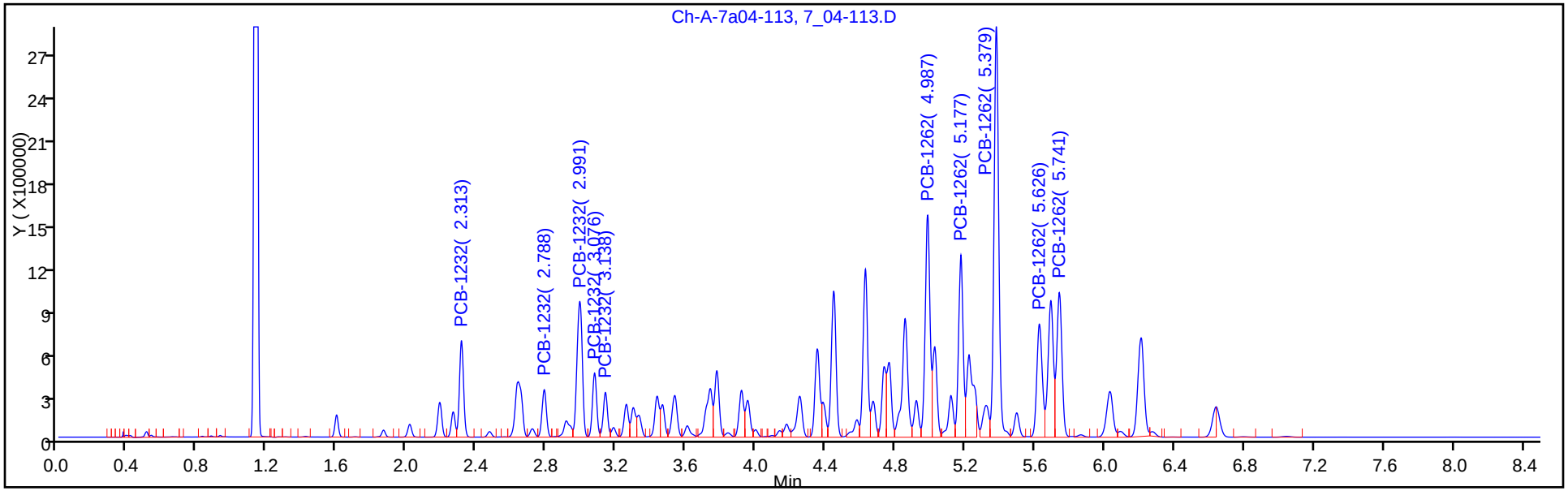
Report Date: 29-Apr-2016 14:50:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

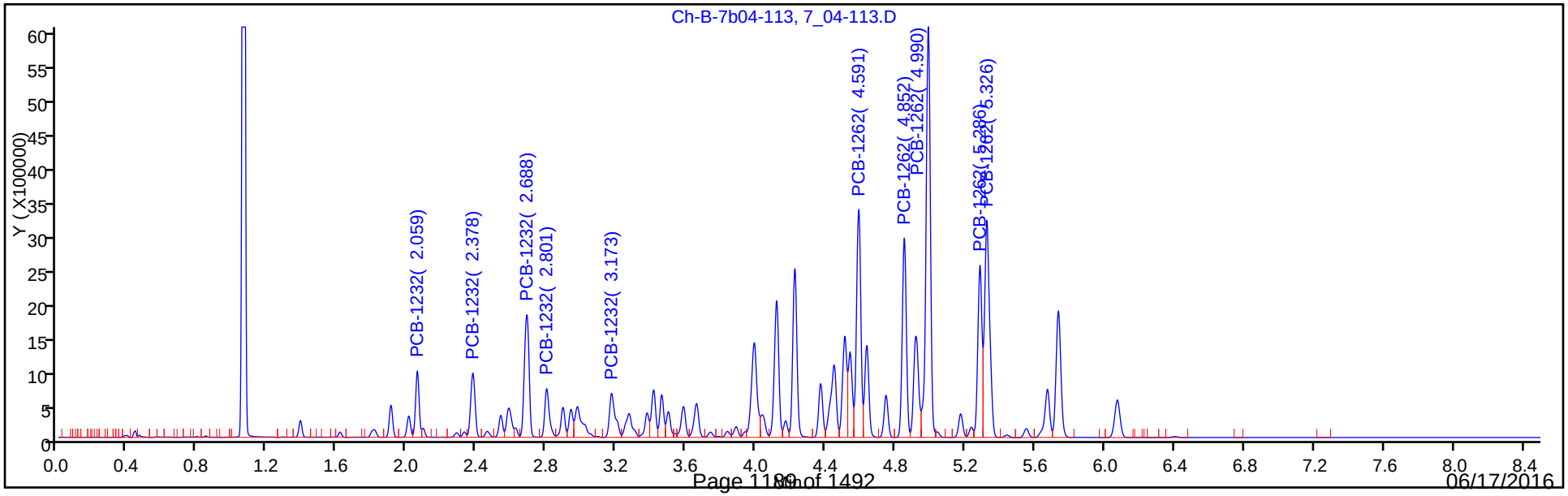
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D

Injection Date:	28-Apr-2016 21:59:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

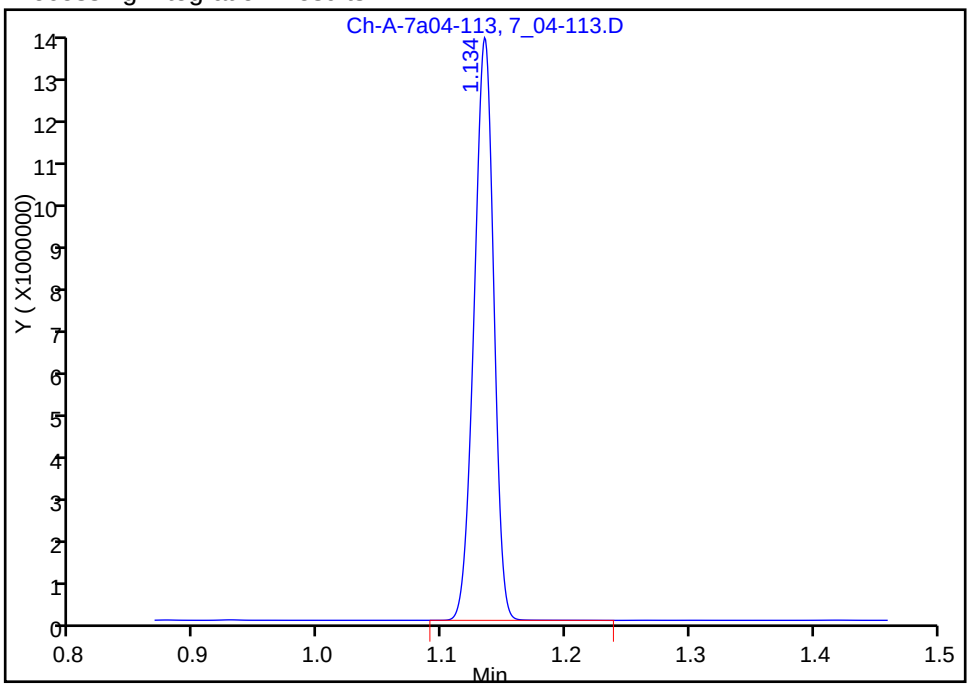
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D
Injection Date: 28-Apr-2016 21:59:49 Instrument ID: HP6890-7
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

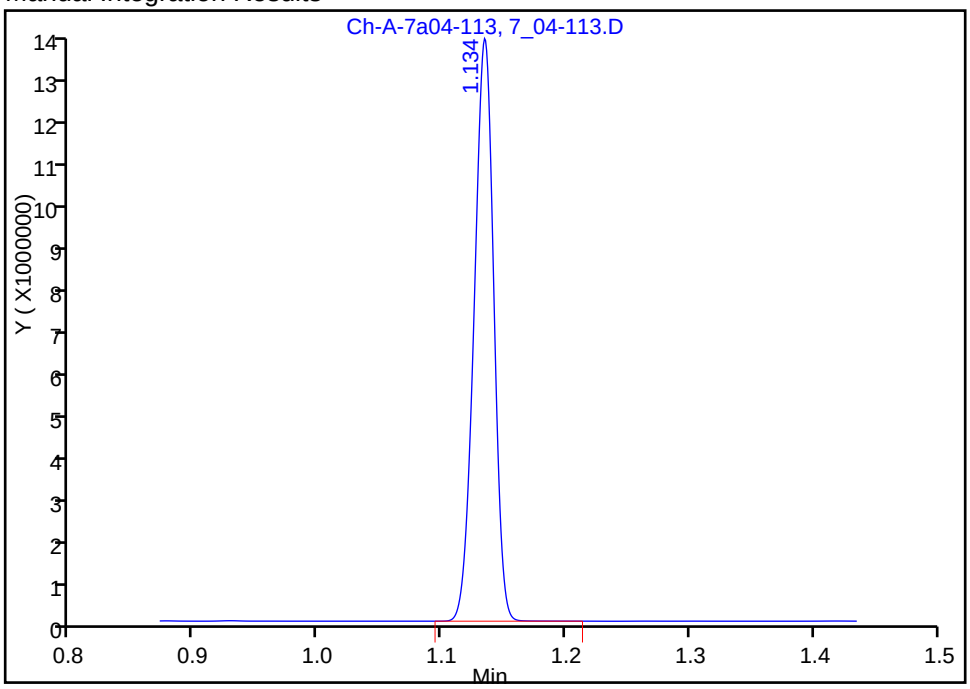
Processing Integration Results

RT: 1.13
Area: 14448889
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.13
Area: 14442014
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 29-Apr-2016 14:46:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 29-Apr-2016 14:50:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D

Injection Date: 28-Apr-2016 21:59:49 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

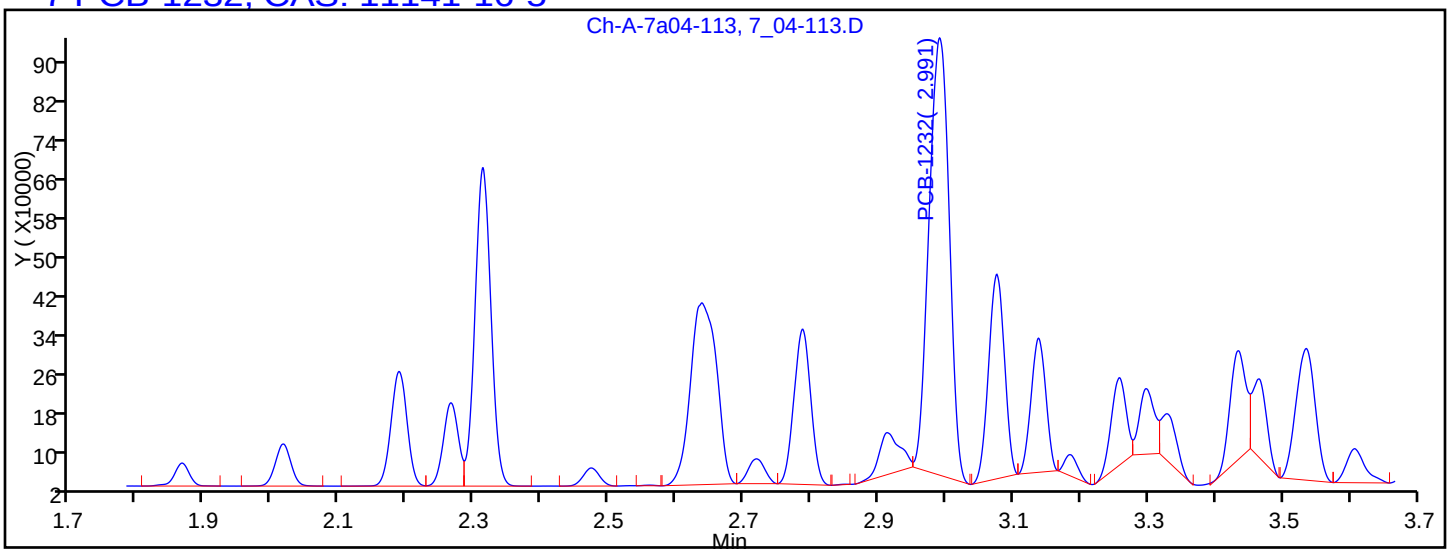
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

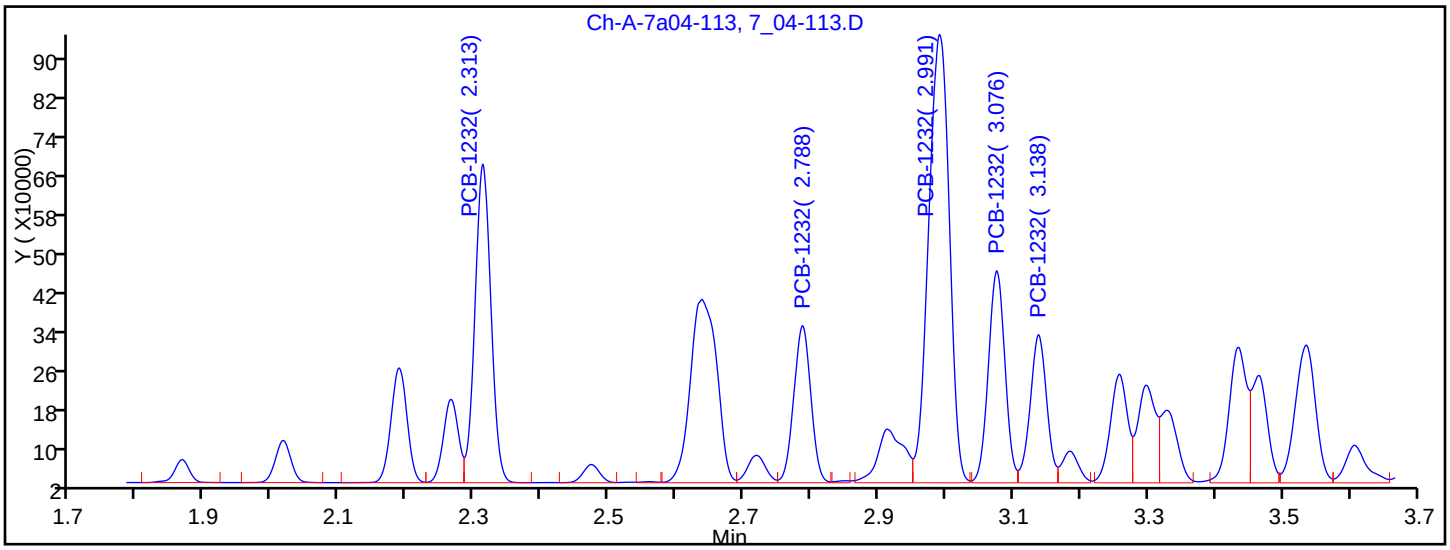
Column: Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

RT = 2.560	Response = 1398	M
RT = 2.852	Response = 771	M
RT = 2.991	Response = 1885279	M
RT = 0.000	Response = 0	M
RT = 3.298	Response = 216823	M



Manual Integration Results

RT = 2.313	Response = 1089300	M
RT = 2.788	Response = 573965	M
RT = 2.991	Response = 1996852	M
RT = 3.076	Response = 753963	M
RT = 3.138	Response = 525363	M

Reviewer: sobolk, 29-Apr-2016 01:02:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 29-Apr-2016 14:50:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D

Injection Date: 28-Apr-2016 21:59:49 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

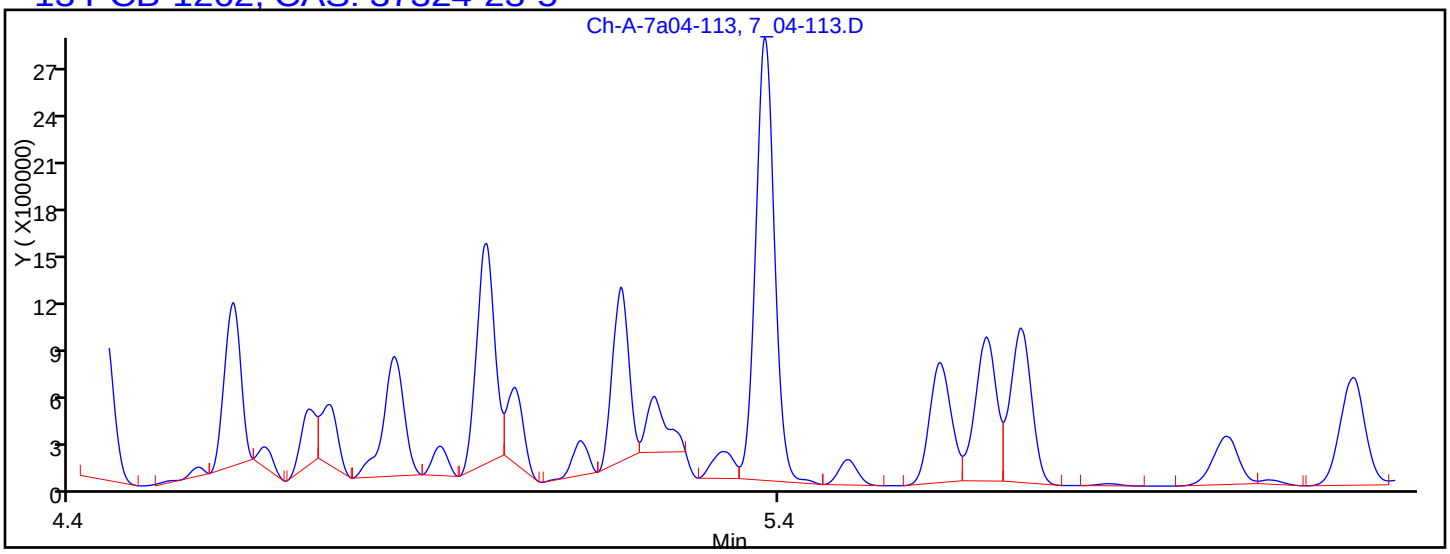
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

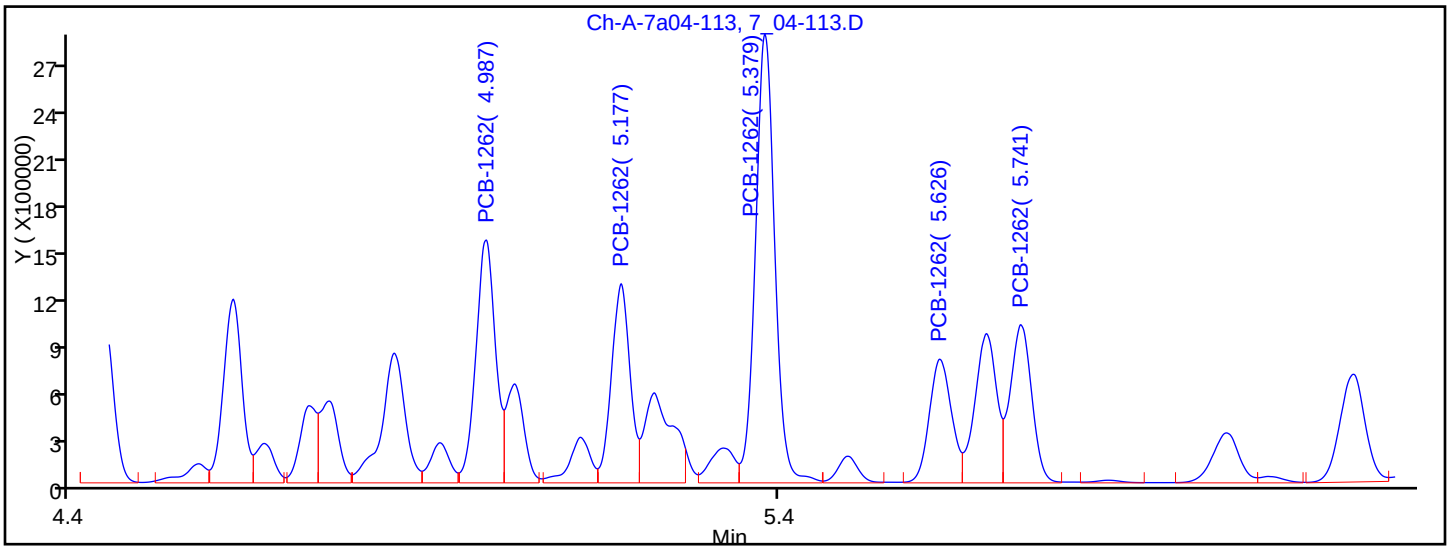
Column: Detector Ch-A-7A136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

RT = 5.223	Response = 701521	M
RT = 0.000	Response = 0	M
RT = 5.626	Response = 1598946	M
RT = 0.000	Response = 0	M
RT = 6.031	Response = 756986	M



Manual Integration Results

RT = 4.987	Response = 2933599	M
RT = 5.177	Response = 2273429	M
RT = 5.379	Response = 5334880	M
RT = 5.626	Response = 1695106	M
RT = 5.741	Response = 2095973	M

Reviewer: sobolk, 29-Apr-2016 00:36:12

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason:

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 22:18:36 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 14:50:46 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: sobolk Date: 29-Apr-2016 00:41:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.133	1.134	-0.001	14049805	0.5000	0.5000	
2	1.064	1.064	0.000	22433932	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.312	2.313	0.000	307128	0.5000	0.5000	M
1	2.787	2.787	0.000	161088	0.5000	0.5000	M
1	2.991	2.989	0.002	526807	0.5000	0.5000	M
1	3.075	3.077	-0.002	205349	0.5000	0.5000	M
1	3.137	3.138	-0.001	141927	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	2.059	2.059	0.000	406095	0.5000	0.5000	M
2	2.378	2.378	0.000	474842	0.5000	0.5000	M
2	2.687	2.687	0.000	929300	0.5000	0.5000	M
2	2.801	2.803	-0.002	353006	0.5000	0.5000	M
2	3.172	3.173	0.000	421692	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.984	4.984	0.000	750050	0.5000	0.5000	M
1	5.175	5.175	0.000	578947	0.5000	0.5000	M
1	5.378	5.378	0.000	1343400	0.5000	0.5000	M
1	5.625	5.626	-0.001	436023	0.5000	0.5000	M
1	5.740	5.739	0.001	526309	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	4.589	4.589	0.000	1492516	0.5000	0.5000	M
2	4.852	4.851	0.001	1215896	0.5000	0.5000	M
2	4.988	4.989	-0.001	2685939	0.5000	0.5000	M
2	5.285	5.286	-0.001	1085074	0.5000	0.5000	M
2	5.324	5.324	0.000	1645745	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00003 Amount Added: 0.25 Units: mL

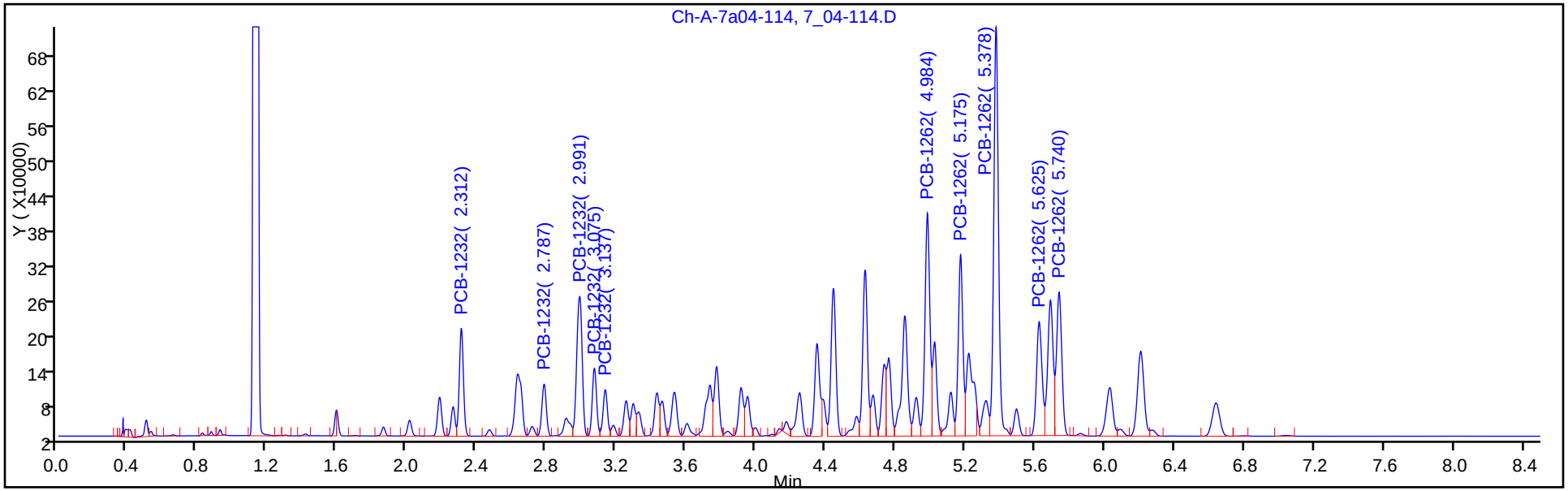
Report Date: 29-Apr-2016 14:50:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

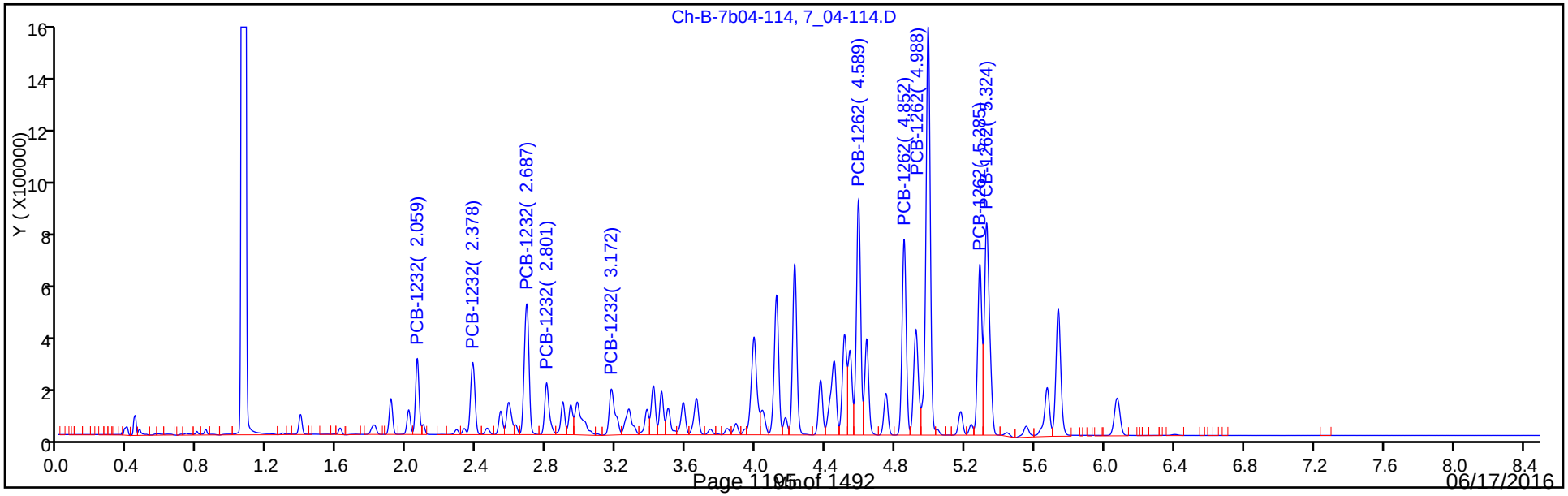
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D

Injection Date:	28-Apr-2016 22:18:36	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 14:50:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D

Injection Date: 28-Apr-2016 22:18:36 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

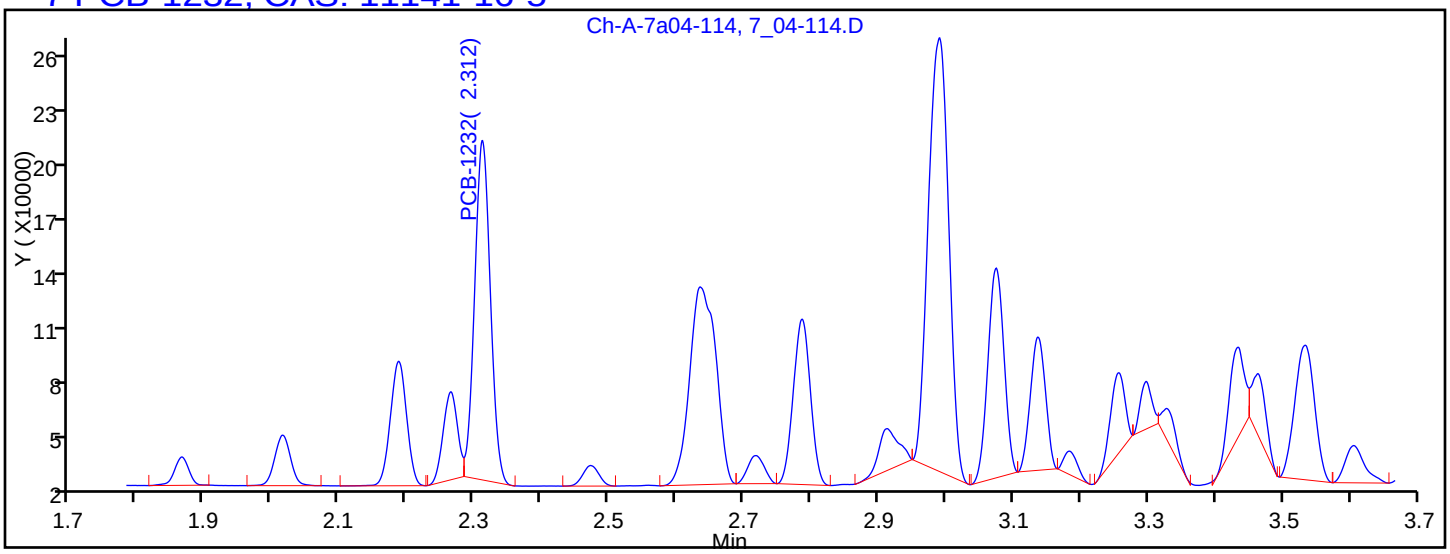
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

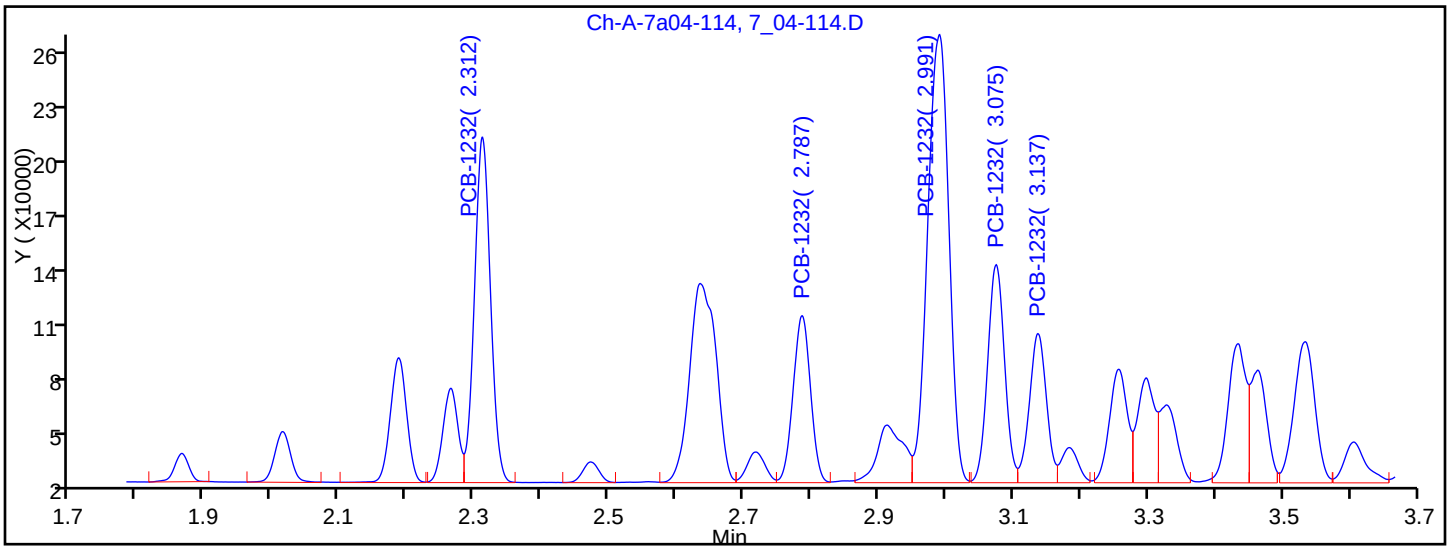
Column: Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

RT = 2.312	Response = 295198	M
RT = 2.635	Response = 287490	M
RT = 2.787	Response = 156825	M
RT = 2.991	Response = 488166	M
RT = 3.075	Response = 187705	M



Manual Integration Results

RT = 2.312	Response = 307128	M
RT = 2.787	Response = 161088	M
RT = 2.991	Response = 526807	M
RT = 3.075	Response = 205349	M
RT = 3.137	Response = 141927	M

Reviewer: sobolk, 29-Apr-2016 01:00:43

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 29-Apr-2016 14:50:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D

Injection Date: 28-Apr-2016 22:18:36 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

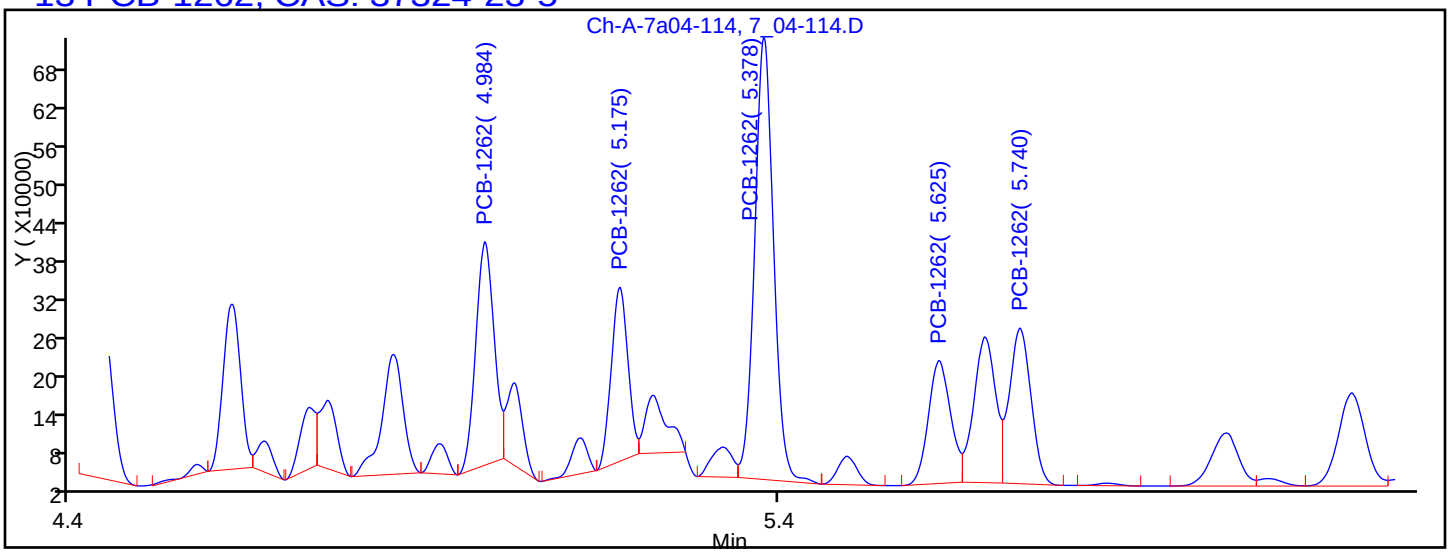
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

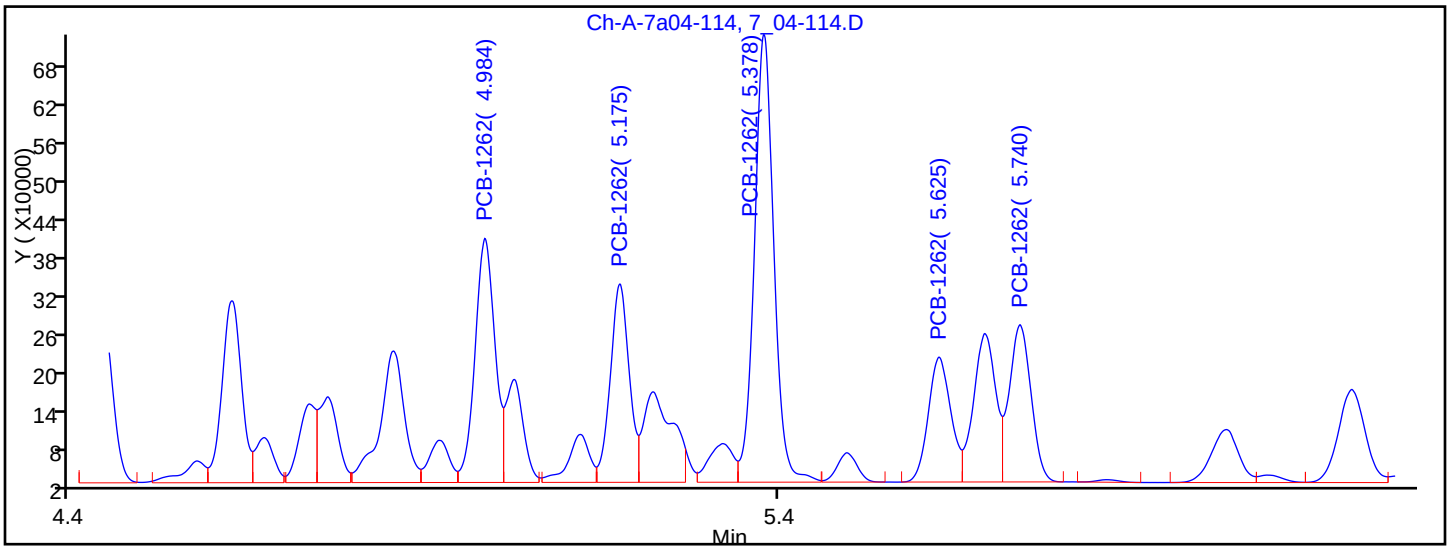
Column: Detector Ch-A-7A136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

RT = 4.984	Response = 633587	M
RT = 5.175	Response = 447066	M
RT = 5.378	Response = 1289337	M
RT = 5.625	Response = 422924	M
RT = 5.740	Response = 516748	M



Manual Integration Results

RT = 4.984	Response = 750050	M
RT = 5.175	Response = 578947	M
RT = 5.378	Response = 1343400	M
RT = 5.625	Response = 436023	M
RT = 5.740	Response = 526309	M

Reviewer: sobolk, 29-Apr-2016 00:41:15

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-115.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 22:37:32 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 14:50:54 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: sobolk Date: 29-Apr-2016 00:47:37

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.134	1.134	0.000	14140416	0.5000	0.5000	M
2	1.064	1.064	0.000	22870159	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.313	2.313	0.000	17496	0.0200	0.0283	a
1	2.787	2.787	0.000	9376	0.0200	0.0289	M
1	2.989	2.989	0.000	28238	0.0200	0.0266	M
1	3.077	3.077	0.000	13886	0.0200	0.0336	M
1	3.138	3.138	0.000	7931	0.0200	0.0278	M
		Average of Peak Amounts =				0.0290	
2	2.059	2.059	0.000	21285	0.0200	0.0257	
2	2.378	2.378	0.000	23169	0.0200	0.0239	
2	2.687	2.687	0.000	51693	0.0200	0.0273	M
2	2.803	2.803	0.000	17192	0.0200	0.0239	M
2	3.173	3.173	0.000	21130	0.0200	0.0246	
		Average of Peak Amounts =				0.0251	
						RPD = 14.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.984	4.984	0.000	41405	0.0200	0.0274	M
1	5.175	5.175	0.000	32277	0.0200	0.0277	M
1	5.378	5.378	0.000	69238	0.0200	0.0256	M
1	5.626	5.626	0.000	25946	0.0200	0.0296	M
1	5.739	5.739	0.000	30931	0.0200	0.0292	M
		Average of Peak Amounts =				0.0279	
2	4.589	4.589	0.000	70739	0.0200	0.0232	M
2	4.851	4.851	0.000	55804	0.0200	0.0225	M
2	4.989	4.989	0.000	122169	0.0200	0.0223	M
2	5.286	5.286	0.000	53272	0.0200	0.0241	M
2	5.324	5.324	0.000	77472	0.0200	0.0231	M
		Average of Peak Amounts =				0.0230	
						RPD = 19.04	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00003 Amount Added: 0.25 Units: mL

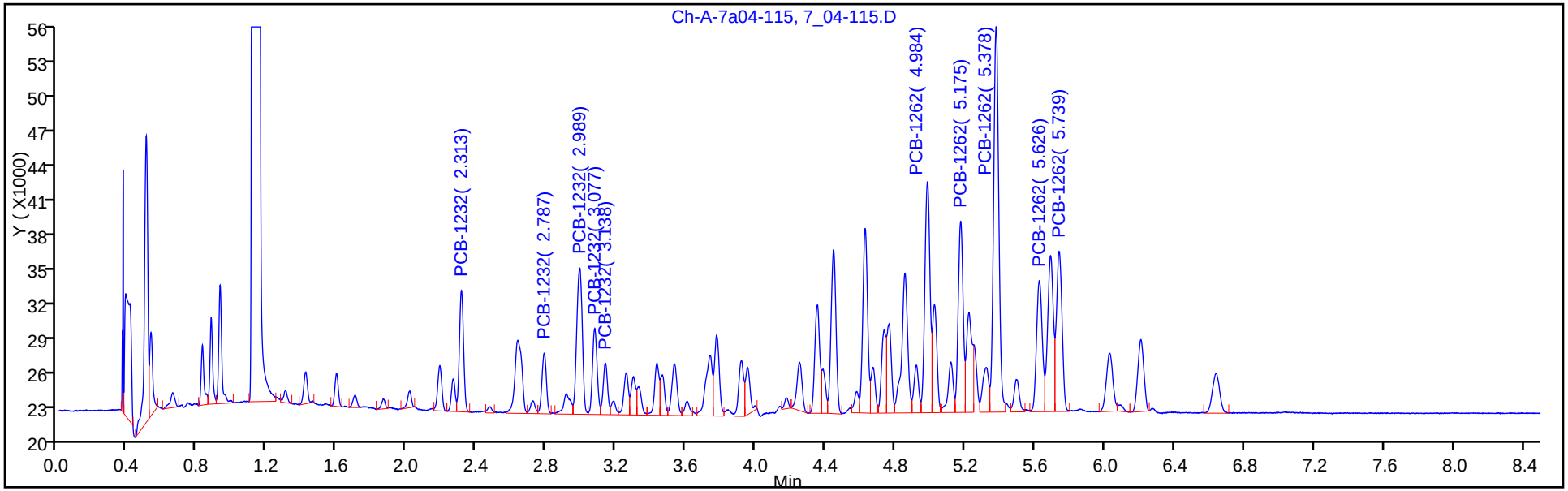
Report Date: 29-Apr-2016 14:50:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

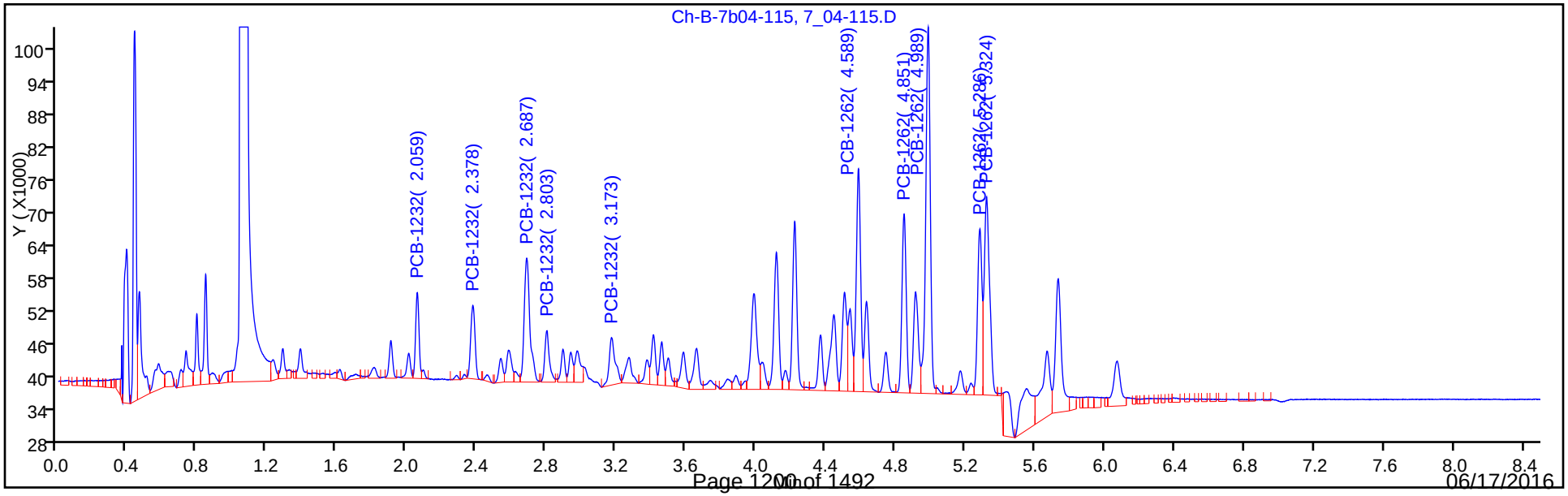
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-115.D

Injection Date:	28-Apr-2016 22:37:32	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

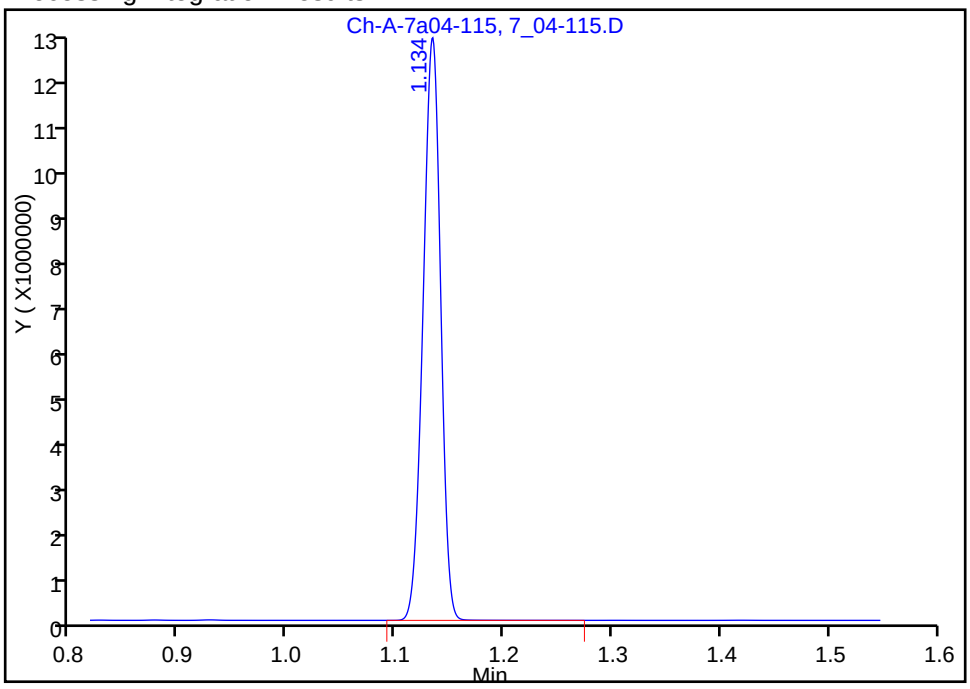
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-115.D
Injection Date: 28-Apr-2016 22:37:32 Instrument ID: HP6890-7
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

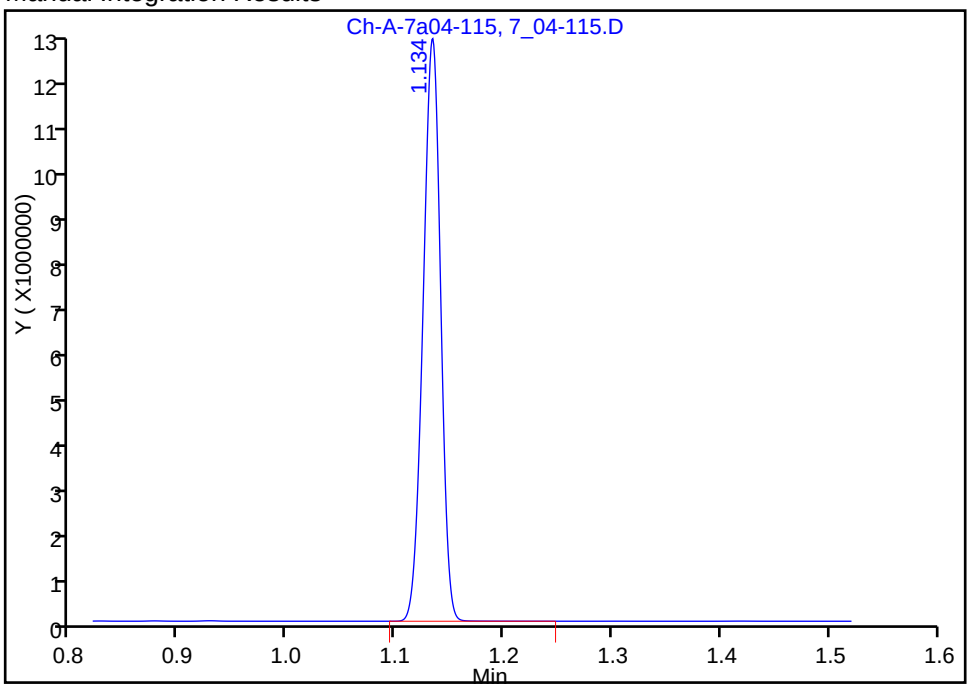
Processing Integration Results

RT: 1.13
Area: 14142416
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.13
Area: 14140416
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 29-Apr-2016 14:45:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 29-Apr-2016 14:50:54 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-115.D

Injection Date: 28-Apr-2016 22:37:32 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

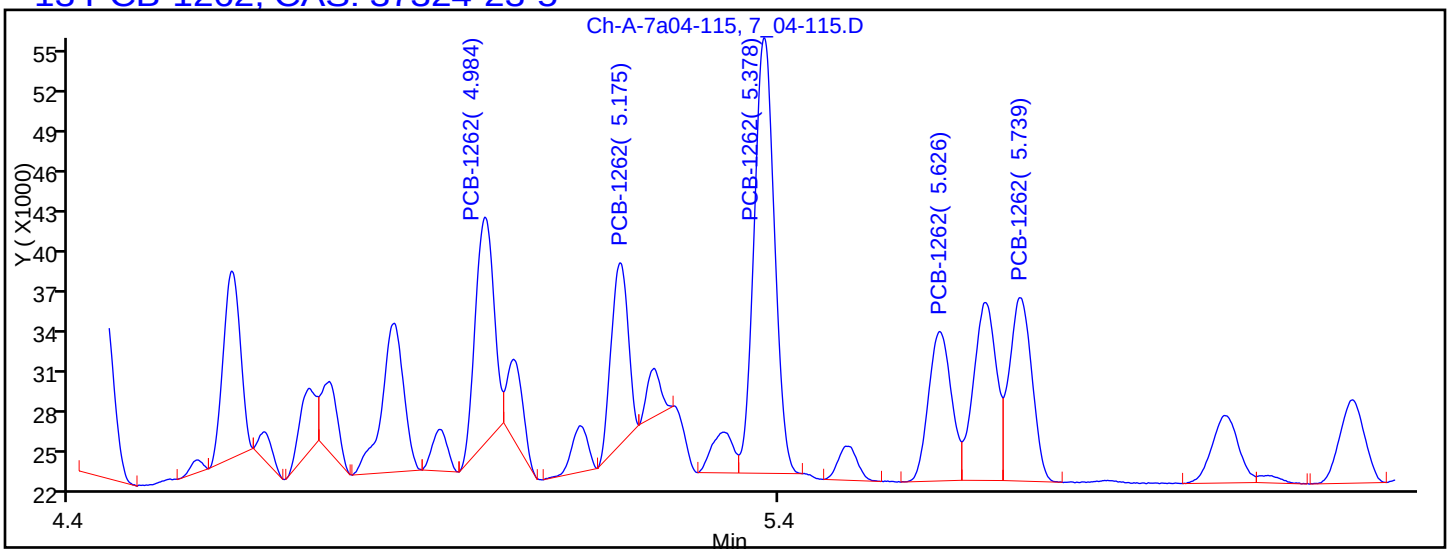
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

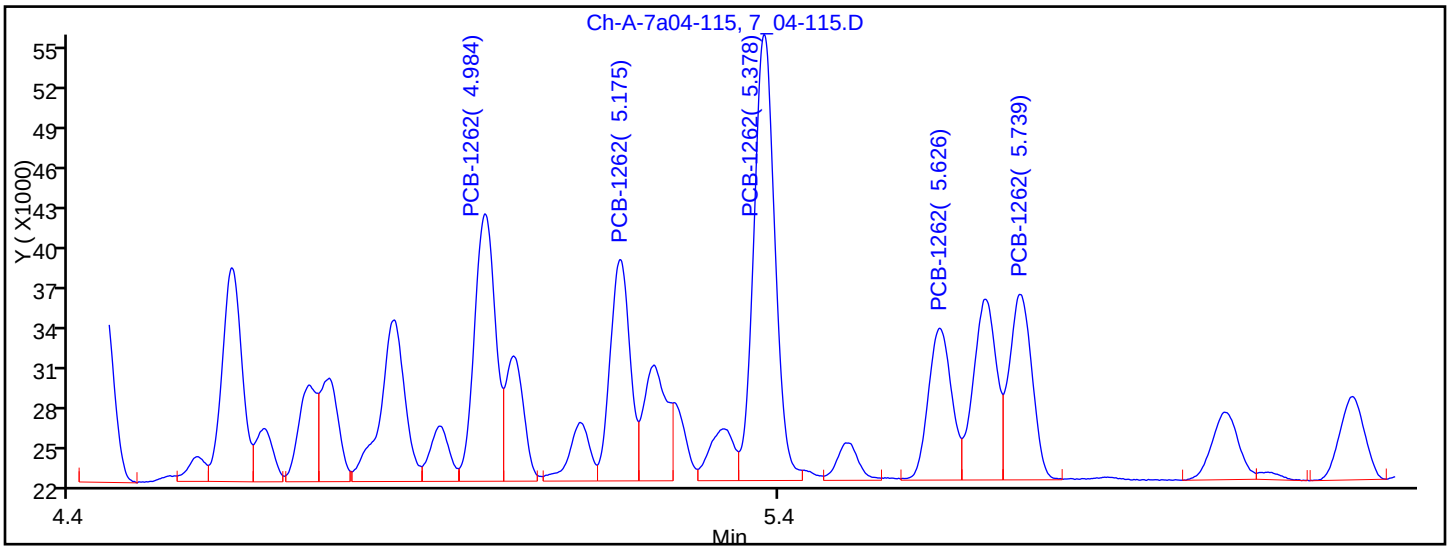
Column: Detector Ch-A-7A136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

RT = 4.984	Response = 31012	M
RT = 5.175	Response = 22521	M
RT = 5.378	Response = 65045	M
RT = 5.626	Response = 25101	M
RT = 5.739	Response = 30296	M



Manual Integration Results

RT = 4.984	Response = 41405	M
RT = 5.175	Response = 32277	M
RT = 5.378	Response = 69238	M
RT = 5.626	Response = 25946	M
RT = 5.739	Response = 30931	M

Reviewer: sobolk, 29-Apr-2016 00:47:37

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 21:59 Calibration End Date: 04/28/2016 22:37 Calibration ID: 27276

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/20	7_04-115.D
Level 2	IC 480-298867/19	7_04-114.D
Level 3	IC 480-298867/18	7_04-113.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	+++++	0.0181	+++++			Ave		0.0181						20.0			
PCB-1232 Peak 2	+++++	0.0212	+++++			Ave		0.0212						20.0			
PCB-1232 Peak 3	+++++	0.0414	+++++			Ave		0.0414						20.0			
PCB-1232 Peak 4	+++++	0.0157	+++++			Ave		0.0157						20.0			
PCB-1232 Peak 5	+++++	0.0188	+++++			Ave		0.0188						20.0			
PCB-1262 Peak 1	+++++	0.0665	+++++			Ave		0.0665						20.0			
PCB-1262 Peak 2	+++++	0.0542	+++++			Ave		0.0542						20.0			
PCB-1262 Peak 3	+++++	0.1197	+++++			Ave		0.1197						20.0			
PCB-1262 Peak 4	+++++	0.0484	+++++			Ave		0.0484						20.0			
PCB-1262 Peak 5	+++++	0.0734	+++++			Ave		0.0734						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 21:59 Calibration End Date: 04/28/2016 22:37 Calibration ID: 27276

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/20	7_04-115.D
Level 2	IC 480-298867/19	7_04-114.D
Level 3	IC 480-298867/18	7_04-113.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Ave	+++++	406095	+++++			+++++	0.500	+++++		
PCB-1232 Peak 2	BNB	Ave	+++++	474842	+++++			+++++	0.500	+++++		
PCB-1232 Peak 3	BNB	Ave	+++++	929300	+++++			+++++	0.500	+++++		
PCB-1232 Peak 4	BNB	Ave	+++++	353006	+++++			+++++	0.500	+++++		
PCB-1232 Peak 5	BNB	Ave	+++++	421692	+++++			+++++	0.500	+++++		
PCB-1262 Peak 1	BNB	Ave	+++++	1492516	+++++			+++++	0.500	+++++		
PCB-1262 Peak 2	BNB	Ave	+++++	1215896	+++++			+++++	0.500	+++++		
PCB-1262 Peak 3	BNB	Ave	+++++	2685939	+++++			+++++	0.500	+++++		
PCB-1262 Peak 4	BNB	Ave	+++++	1085074	+++++			+++++	0.500	+++++		
PCB-1262 Peak 5	BNB	Ave	+++++	1645745	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 21:59:49 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 14:50:37 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: sobolk Date: 29-Apr-2016 00:35:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.134	1.134	0.000	14442014	0.5000	0.5000	M
2	1.064	1.064	0.000	22866187	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.313	2.313	0.000	1089300	2.00	1.73	M
1	2.788	2.787	0.001	573965	2.00	1.73	M
1	2.991	2.989	0.002	1996852	2.00	1.84	M
1	3.076	3.077	-0.001	753963	2.00	1.79	M
1	3.138	3.138	0.000	525363	2.00	1.80	M
		Average of Peak Amounts =				1.78	
2	2.059	2.059	0.000	1405125	2.00	1.70	a
2	2.378	2.378	0.000	1671192	2.00	1.73	a
2	2.688	2.687	0.001	3473014	2.00	1.83	a
2	2.801	2.803	-0.002	1329019	2.00	1.85	a
2	3.173	3.173	0.001	1530645	2.00	1.78	a
		Average of Peak Amounts =				1.78	
						RPD = 0.05	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.987	4.984	0.003	2933599	2.00	1.90	M
1	5.177	5.175	0.002	2273429	2.00	1.91	M
1	5.379	5.378	0.001	5334880	2.00	1.93	M
1	5.626	5.626	0.000	1695106	2.00	1.89	M
1	5.741	5.739	0.002	2095973	2.00	1.94	M
		Average of Peak Amounts =				1.91	
2	4.591	4.589	0.002	5866977	2.00	1.93	M
2	4.852	4.851	0.001	4857383	2.00	1.96	M
2	4.990	4.989	0.001	10703261	2.00	1.95	M
2	5.286	5.286	0.000	4232998	2.00	1.91	M
2	5.326	5.324	0.002	6621684	2.00	1.97	M
		Average of Peak Amounts =				1.95	
						RPD = 1.63	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@2.0_00003 Amount Added: 0.25 Units: mL

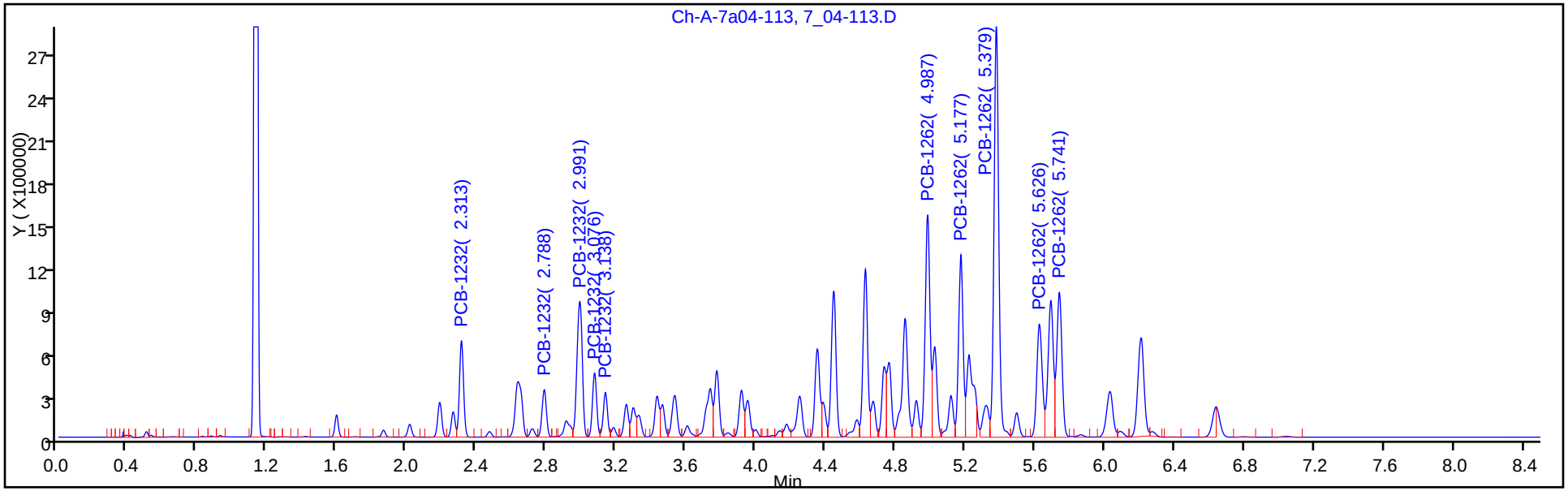
Report Date: 29-Apr-2016 14:50:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

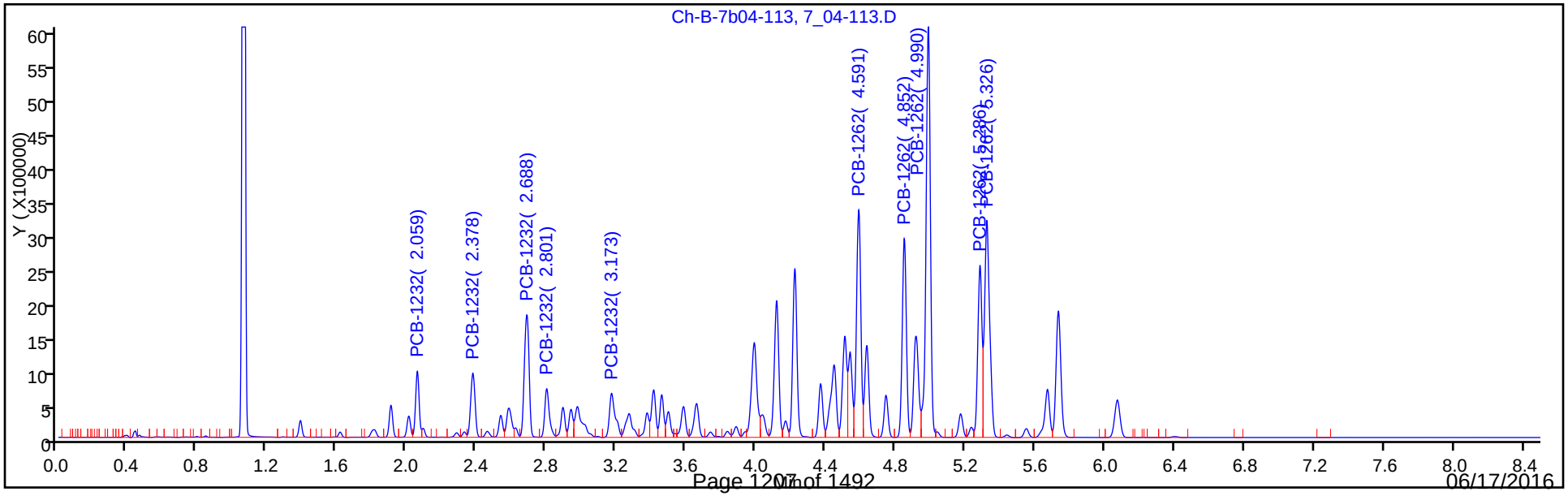
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D

Injection Date:	28-Apr-2016 21:59:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 14:50:38 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-113.D

Injection Date: 28-Apr-2016 21:59:49 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

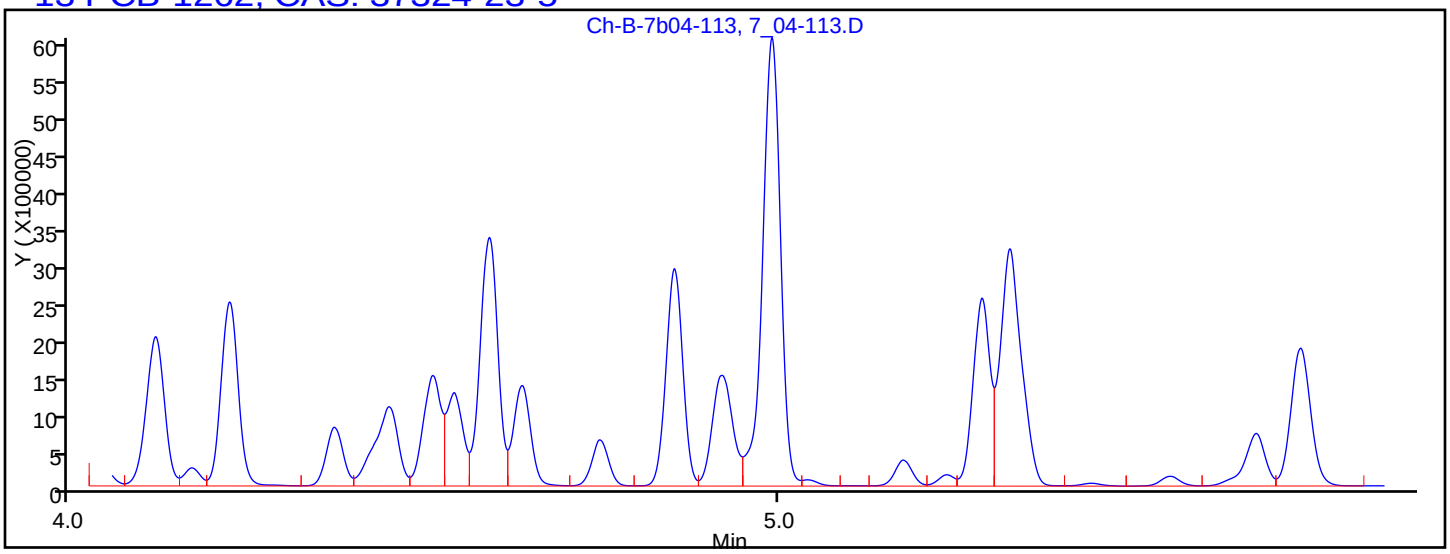
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

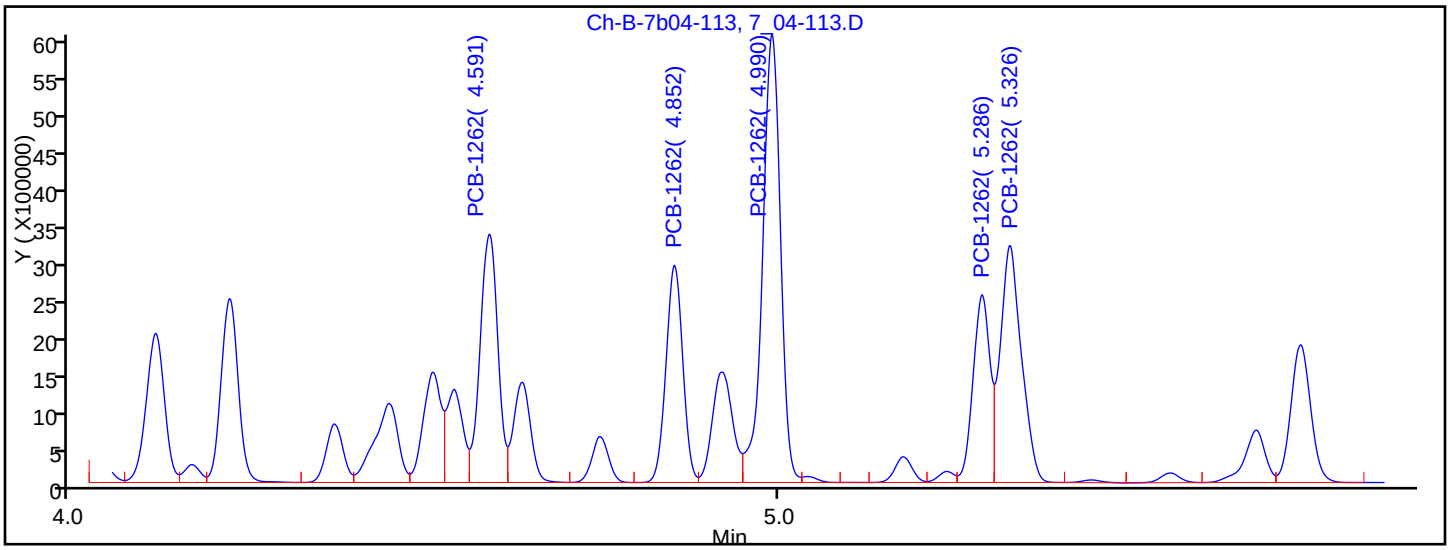
Column: Detector Ch-B-7b136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 5.099	Response = 11531	M
RT = 5.236	Response = 241926	M
RT = 0.000	Response = 0	M
RT = 5.552	Response = 253978	M



Manual Integration Results

RT = 4.591	Response = 5866977	M
RT = 4.852	Response = 4857383	M
RT = 4.990	Response = 10703261	M
RT = 5.286	Response = 4232998	M
RT = 5.326	Response = 6621684	M

Reviewer: sobolk, 29-Apr-2016 00:35:32

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 22:18:36 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 14:50:46 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: sobolk Date: 29-Apr-2016 00:41:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.133	1.134	-0.001	14049805	0.5000	0.5000	
2	1.064	1.064	0.000	22433932	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.312	2.313	0.000	307128	0.5000	0.5000	M
1	2.787	2.787	0.000	161088	0.5000	0.5000	M
1	2.991	2.989	0.002	526807	0.5000	0.5000	M
1	3.075	3.077	-0.002	205349	0.5000	0.5000	M
1	3.137	3.138	-0.001	141927	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	2.059	2.059	0.000	406095	0.5000	0.5000	M
2	2.378	2.378	0.000	474842	0.5000	0.5000	M
2	2.687	2.687	0.000	929300	0.5000	0.5000	M
2	2.801	2.803	-0.002	353006	0.5000	0.5000	M
2	3.172	3.173	0.000	421692	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13	PCB-1262						M
1	4.984	4.984	0.000	750050	0.5000	0.5000	M
1	5.175	5.175	0.000	578947	0.5000	0.5000	M
1	5.378	5.378	0.000	1343400	0.5000	0.5000	M
1	5.625	5.626	-0.001	436023	0.5000	0.5000	M
1	5.740	5.739	0.001	526309	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	4.589	4.589	0.000	1492516	0.5000	0.5000	M
2	4.852	4.851	0.001	1215896	0.5000	0.5000	M
2	4.988	4.989	-0.001	2685939	0.5000	0.5000	M
2	5.285	5.286	-0.001	1085074	0.5000	0.5000	M
2	5.324	5.324	0.000	1645745	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00003 Amount Added: 0.25 Units: mL

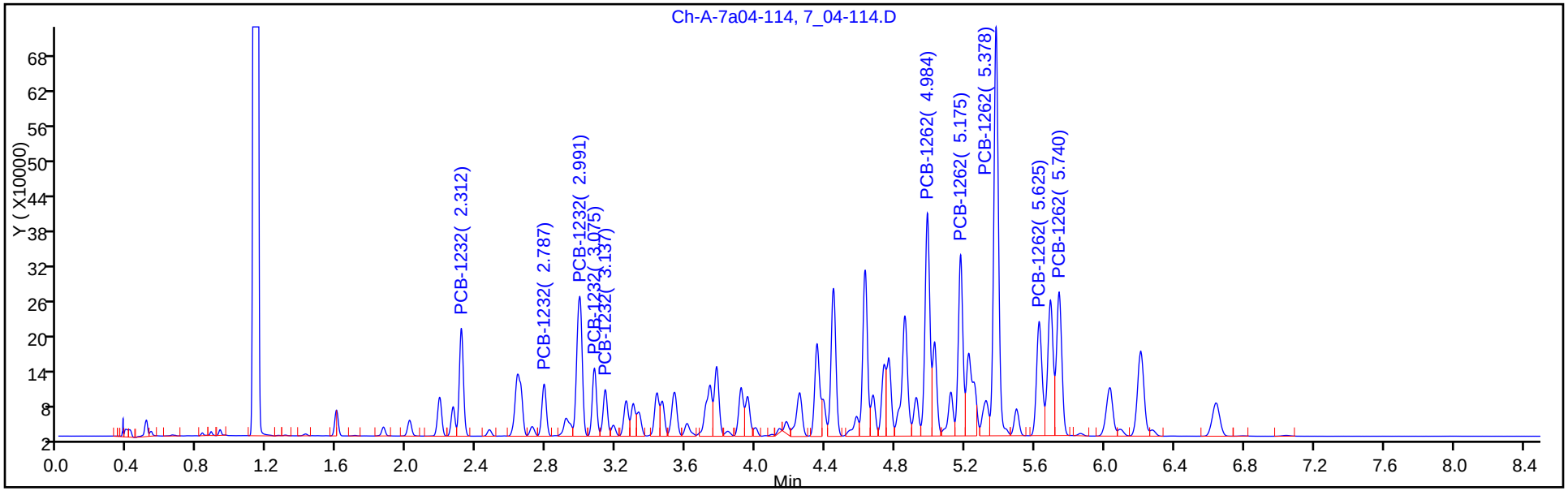
Report Date: 29-Apr-2016 14:50:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

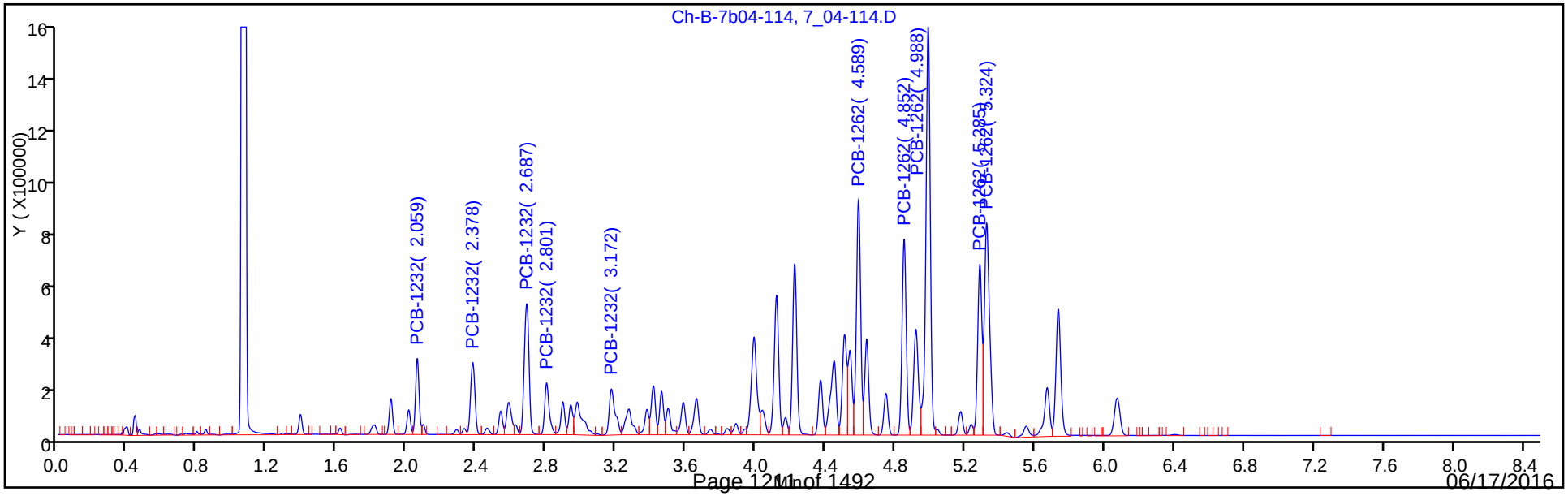
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D

Injection Date:	28-Apr-2016 22:18:36	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 14:50:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D

Injection Date: 28-Apr-2016 22:18:36 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

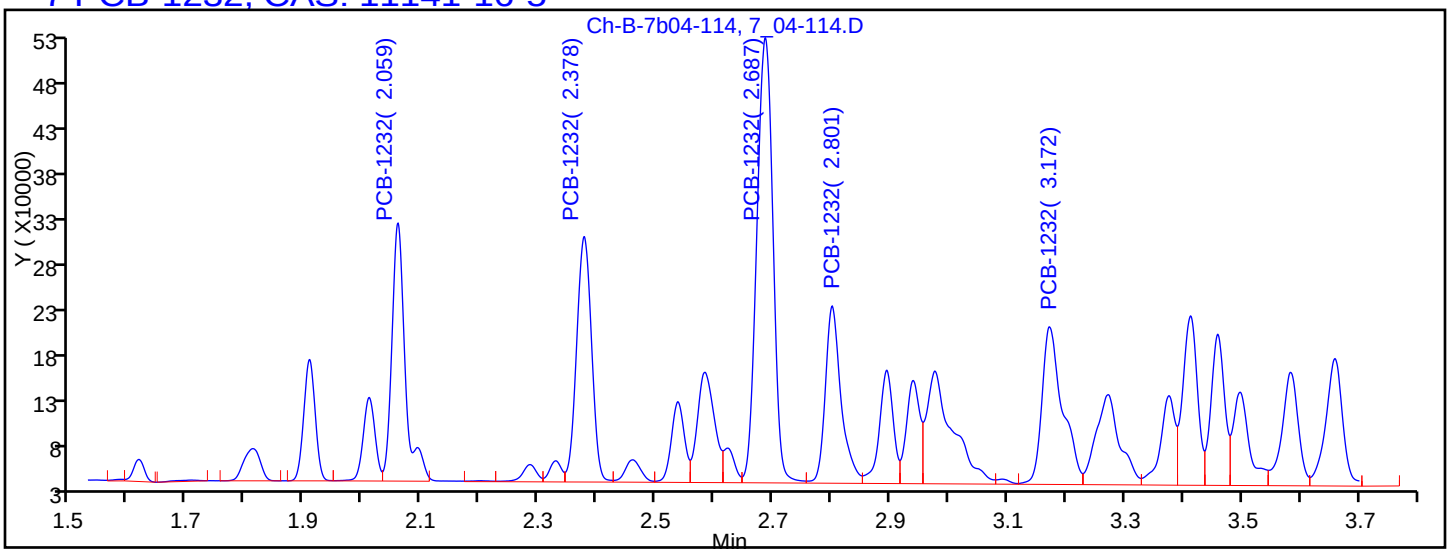
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

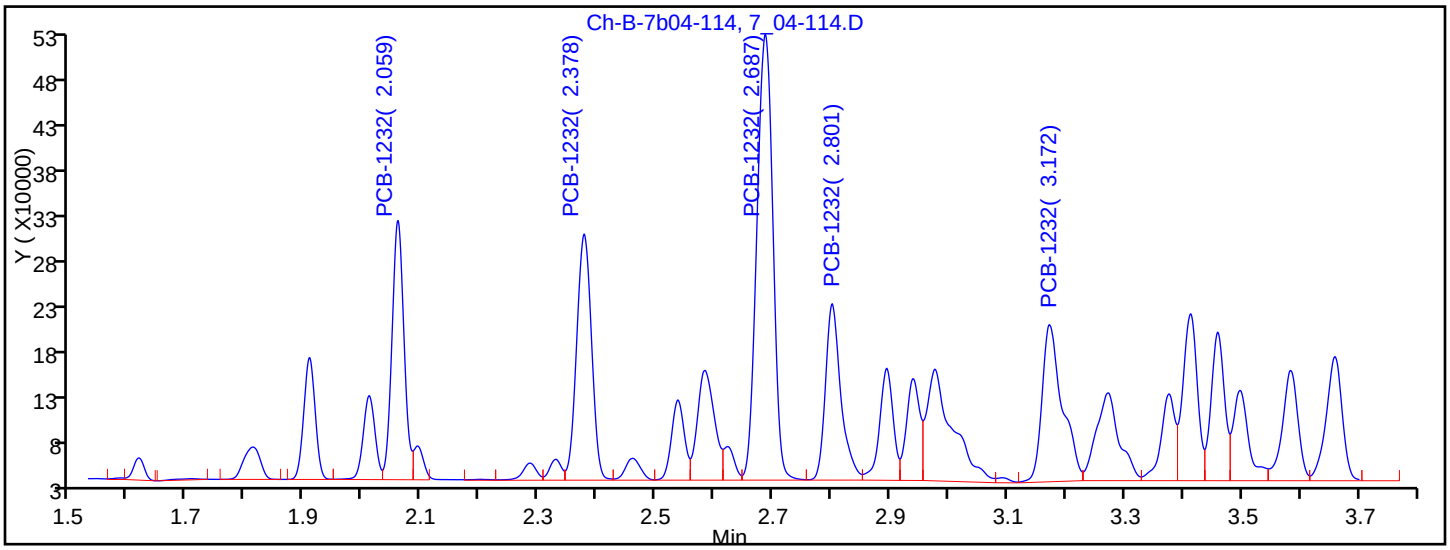
Column: Detector Ch-B-7b136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

RT = 2.059	Response = 446882	M
RT = 2.378	Response = 477233	M
RT = 2.687	Response = 939213	M
RT = 2.801	Response = 363845	M
RT = 3.172	Response = 421692	



Manual Integration Results

RT = 2.059	Response = 406095	M
RT = 2.378	Response = 474842	M
RT = 2.687	Response = 929300	M
RT = 2.801	Response = 353006	M
RT = 3.172	Response = 421692	

Reviewer: sobolk, 29-Apr-2016 00:41:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 29-Apr-2016 14:50:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-114.D

Injection Date: 28-Apr-2016 22:18:36 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

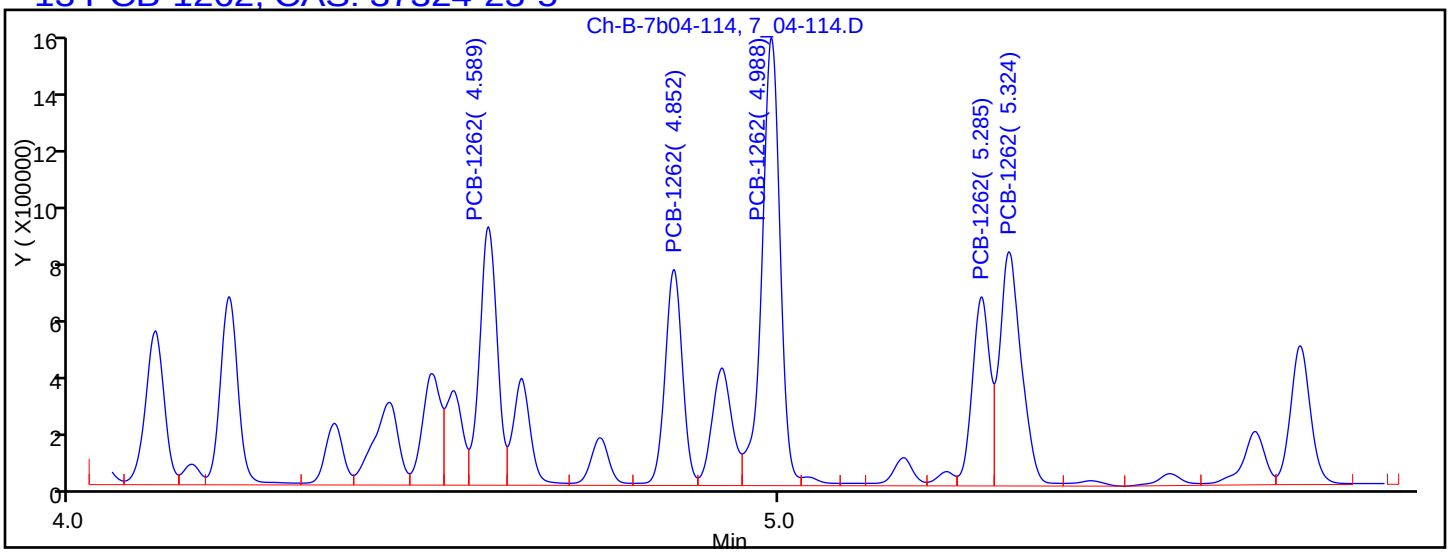
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

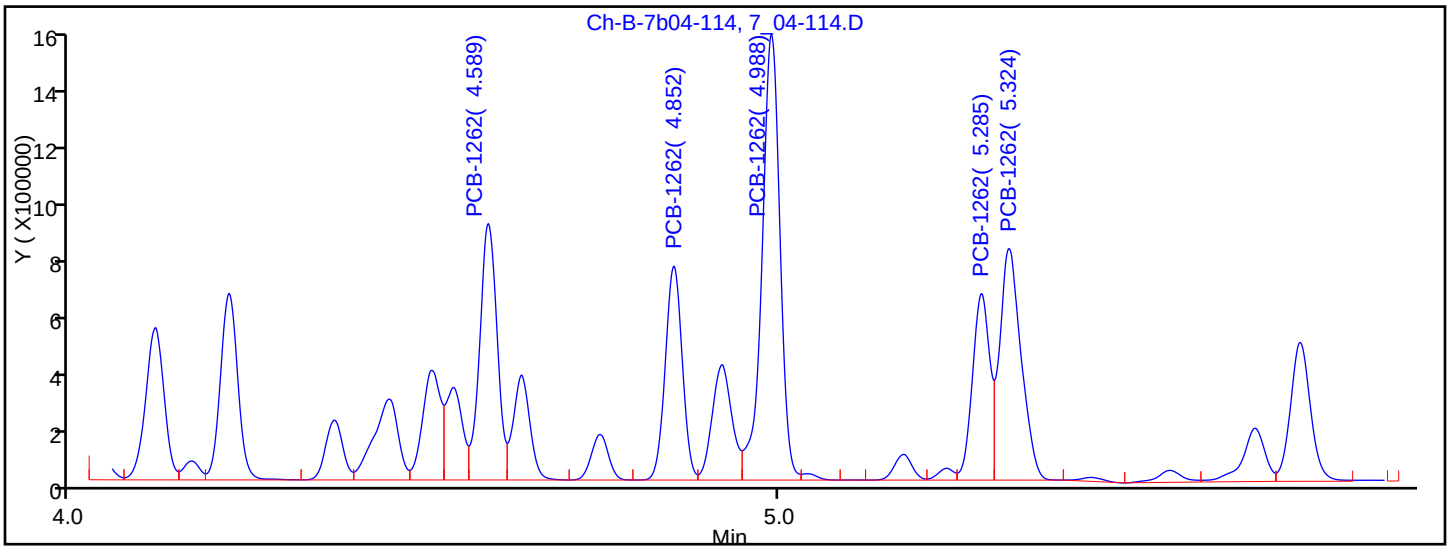
Column: Detector Ch-B-7b136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

RT = 4.589	Response = 1513940	M
RT = 4.852	Response = 1256057	M
RT = 4.988	Response = 2724579	M
RT = 5.285	Response = 1112353	M
RT = 5.324	Response = 1697825	M



Manual Integration Results

RT = 4.589	Response = 1492516	M
RT = 4.852	Response = 1215896	M
RT = 4.988	Response = 2685939	M
RT = 5.285	Response = 1085074	M
RT = 5.324	Response = 1645745	M

Reviewer: sobolk, 29-Apr-2016 00:50:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-115.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 22:37:32 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 14:50:54 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: sobolk Date: 29-Apr-2016 00:47:37

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.134	1.134	0.000	14140416	0.5000	0.5000	M
2	1.064	1.064	0.000	22870159	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.313	2.313	0.000	17496	0.0200	0.0283	a
1	2.787	2.787	0.000	9376	0.0200	0.0289	M
1	2.989	2.989	0.000	28238	0.0200	0.0266	M
1	3.077	3.077	0.000	13886	0.0200	0.0336	M
1	3.138	3.138	0.000	7931	0.0200	0.0278	M
		Average of Peak Amounts =				0.0290	
2	2.059	2.059	0.000	21285	0.0200	0.0257	
2	2.378	2.378	0.000	23169	0.0200	0.0239	
2	2.687	2.687	0.000	51693	0.0200	0.0273	M
2	2.803	2.803	0.000	17192	0.0200	0.0239	M
2	3.173	3.173	0.000	21130	0.0200	0.0246	
		Average of Peak Amounts =				0.0251	
						RPD = 14.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.984	4.984	0.000	41405	0.0200	0.0274	M
1	5.175	5.175	0.000	32277	0.0200	0.0277	M
1	5.378	5.378	0.000	69238	0.0200	0.0256	M
1	5.626	5.626	0.000	25946	0.0200	0.0296	M
1	5.739	5.739	0.000	30931	0.0200	0.0292	M
		Average of Peak Amounts =				0.0279	
2	4.589	4.589	0.000	70739	0.0200	0.0232	M
2	4.851	4.851	0.000	55804	0.0200	0.0225	M
2	4.989	4.989	0.000	122169	0.0200	0.0223	M
2	5.286	5.286	0.000	53272	0.0200	0.0241	M
2	5.324	5.324	0.000	77472	0.0200	0.0231	M
		Average of Peak Amounts =				0.0230	
						RPD = 19.04	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00003 Amount Added: 0.25 Units: mL

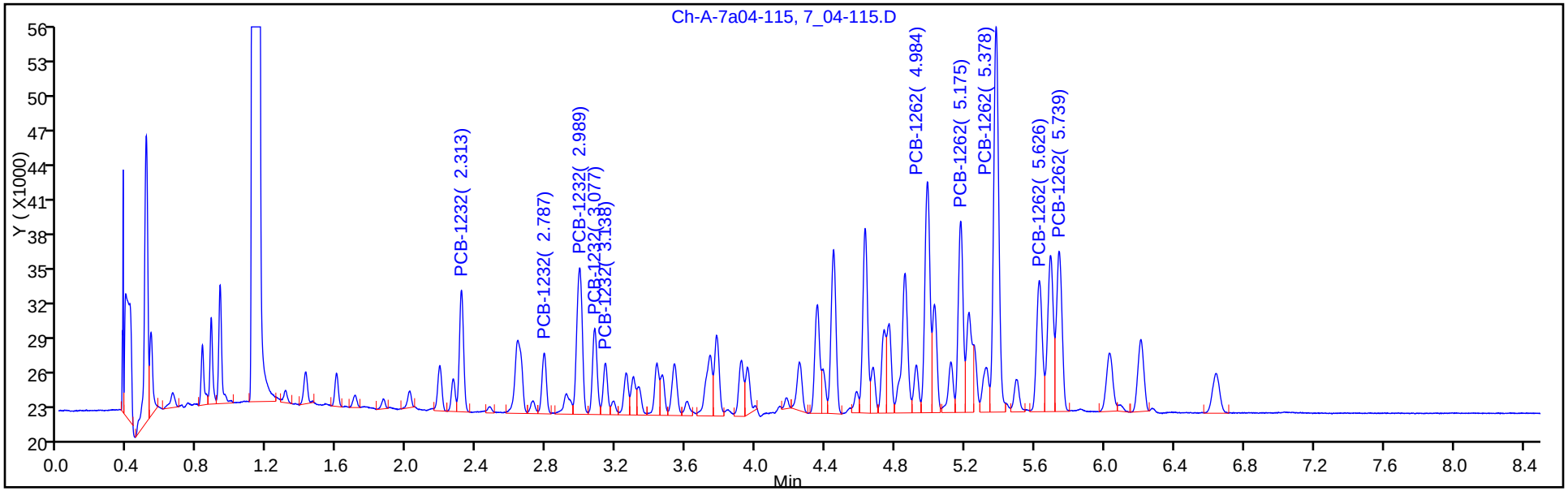
Report Date: 29-Apr-2016 14:50:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

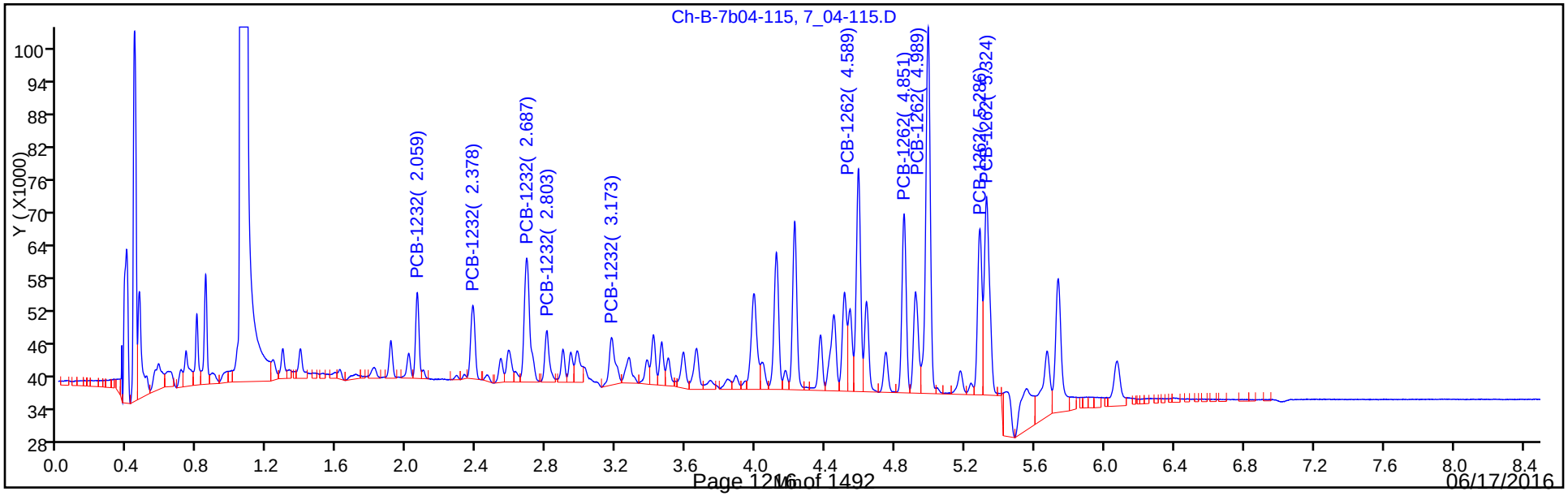
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-115.D

Injection Date:	28-Apr-2016 22:37:32	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 14:50:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-115.D

Injection Date: 28-Apr-2016 22:37:32 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

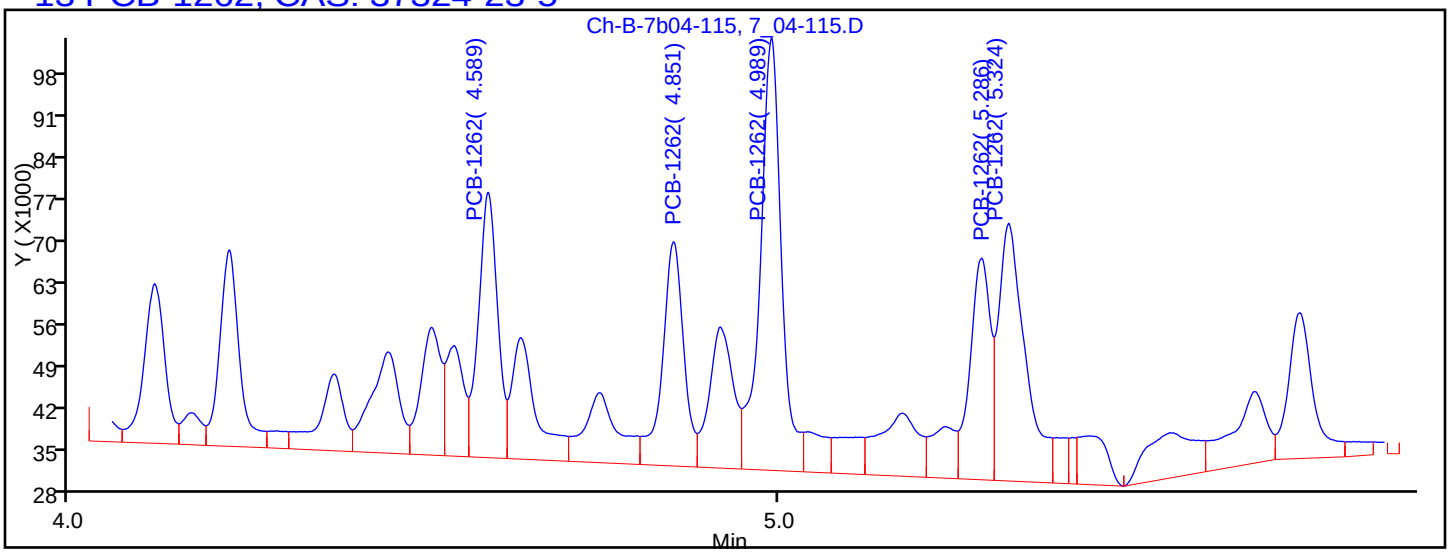
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

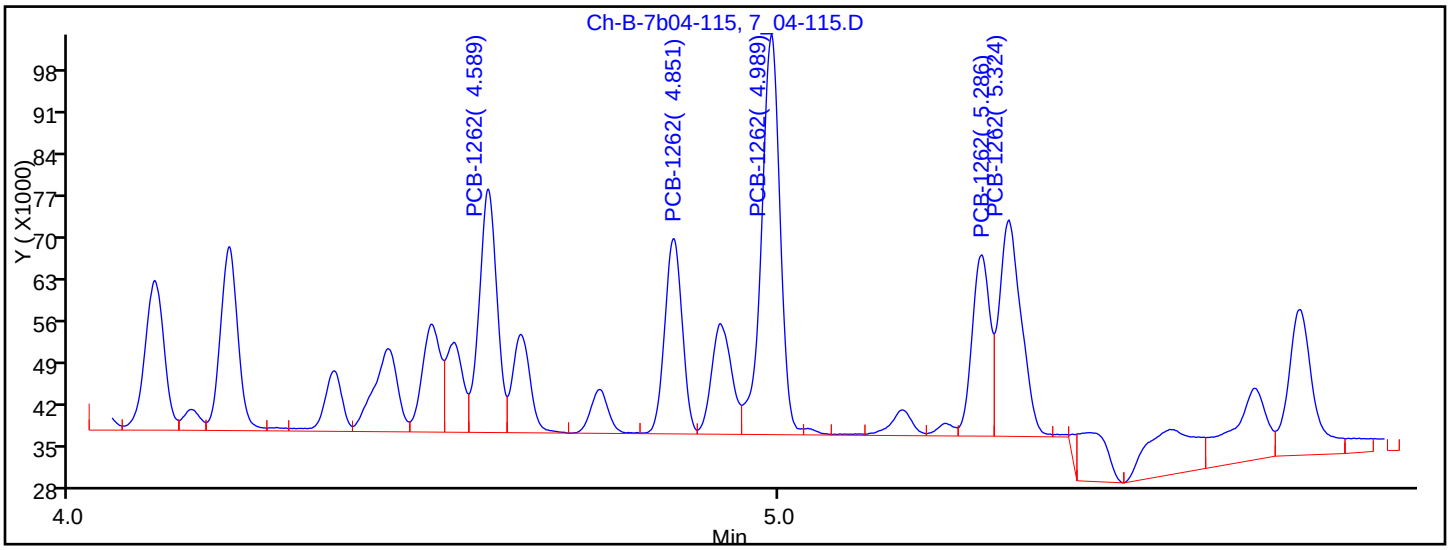
Column: Detector Ch-B-7b136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

RT = 4.589	Response = 82537	M
RT = 4.851	Response = 78839	M
RT = 4.989	Response = 150482	M
RT = 5.286	Response = 73569	M
RT = 5.324	Response = 111877	M



Manual Integration Results

RT = 4.589	Response = 70739	M
RT = 4.851	Response = 55804	M
RT = 4.989	Response = 122169	M
RT = 5.286	Response = 53272	M
RT = 5.324	Response = 77472	M

Reviewer: sobolk, 29-Apr-2016 00:47:37

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 23:15 Calibration End Date: 04/28/2016 23:52 Calibration ID: 27235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/24	7_04-119.D
Level 2	IC 480-298867/23	7_04-118.D
Level 3	IC 480-298867/22	7_04-117.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	+++++	0.0649	+++++			Ave		0.0649						20.0			
PCB-1242 Peak 2	+++++	0.0245	+++++			Ave		0.0245						20.0			
PCB-1242 Peak 3	+++++	0.0188	+++++			Ave		0.0188						20.0			
PCB-1242 Peak 4	+++++	0.0223	+++++			Ave		0.0223						20.0			
PCB-1242 Peak 5	+++++	0.0316	+++++			Ave		0.0316						20.0			
PCB-1268 Peak 1	+++++	0.1022	+++++			Ave		0.1022						20.0			
PCB-1268 Peak 2	+++++	0.0915	+++++			Ave		0.0915						20.0			
PCB-1268 Peak 3	+++++	0.0798	+++++			Ave		0.0798						20.0			
PCB-1268 Peak 4	+++++	0.0341	+++++			Ave		0.0341						20.0			
PCB-1268 Peak 5	+++++	0.2588	+++++			Ave		0.2588						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 23:15 Calibration End Date: 04/28/2016 23:52 Calibration ID: 27235

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/24	7_04-119.D
Level 2	IC 480-298867/23	7_04-118.D
Level 3	IC 480-298867/22	7_04-117.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Ave	+++++	909286	+++++			+++++	0.500	+++++		
PCB-1242 Peak 2	BNB	Ave	+++++	344096	+++++			+++++	0.500	+++++		
PCB-1242 Peak 3	BNB	Ave	+++++	263177	+++++			+++++	0.500	+++++		
PCB-1242 Peak 4	BNB	Ave	+++++	312176	+++++			+++++	0.500	+++++		
PCB-1242 Peak 5	BNB	Ave	+++++	443172	+++++			+++++	0.500	+++++		
PCB-1268 Peak 1	BNB	Ave	+++++	1432215	+++++			+++++	0.500	+++++		
PCB-1268 Peak 2	BNB	Ave	+++++	1283115	+++++			+++++	0.500	+++++		
PCB-1268 Peak 3	BNB	Ave	+++++	1118528	+++++			+++++	0.500	+++++		
PCB-1268 Peak 4	BNB	Ave	+++++	478082	+++++			+++++	0.500	+++++		
PCB-1268 Peak 5	BNB	Ave	+++++	3627811	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-117.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 23:15:13 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:04 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:10:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14154226	0.5000	0.5000	
2	1.065	1.063	0.002	22785698	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.992	2.990	0.002	3447908	2.00	1.88	a
1	3.077	3.075	0.002	1285543	2.00	1.85	a
1	3.434	3.434	0.000	974546	2.00	1.83	a
1	3.534	3.533	0.001	1185211	2.00	1.88	a
1	3.739	3.738	0.001	1698047	2.00	1.90	a
		Average of Peak Amounts =				1.87	
2	2.687	2.687	0.000	5987390	2.00	1.84	a
2	2.802	2.800	0.002	2281697	2.00	1.87	a
2	3.173	3.173	0.001	2883164	2.00	1.91	a
2	3.413	3.414	-0.001	2317051	2.00	1.88	a
2	3.460	3.459	0.001	1978285	2.00	1.93	a
		Average of Peak Amounts =				1.89	
						RPD = 0.97	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.692	5.693	-0.001	5631181	2.00	1.95	a
1	5.740	5.740	0.000	5149093	2.00	1.99	a
1	6.013	6.012	0.001	4435974	2.00	1.96	a
1	6.208	6.211	-0.003	1634109	2.00	1.69	a
1	6.638	6.642	-0.004	14410973	2.00	1.97	a
		Average of Peak Amounts =				1.91	
2	5.284	5.284	0.000	11137520	2.00	2.05	a
2	5.323	5.323	0.000	10561820	2.00	2.01	a
2	5.551	5.552	-0.001	8659944	2.00	1.98	a
2	5.734	5.735	-0.001	3772086	2.00	1.94	a
2	6.073	6.072	0.001	30061360	2.00	2.01	a
		Average of Peak Amounts =				2.00	
						RPD = 4.39	

Reagents:

42-68w/IS@2.0_00003 Amount Added: 0.25 Units: mL

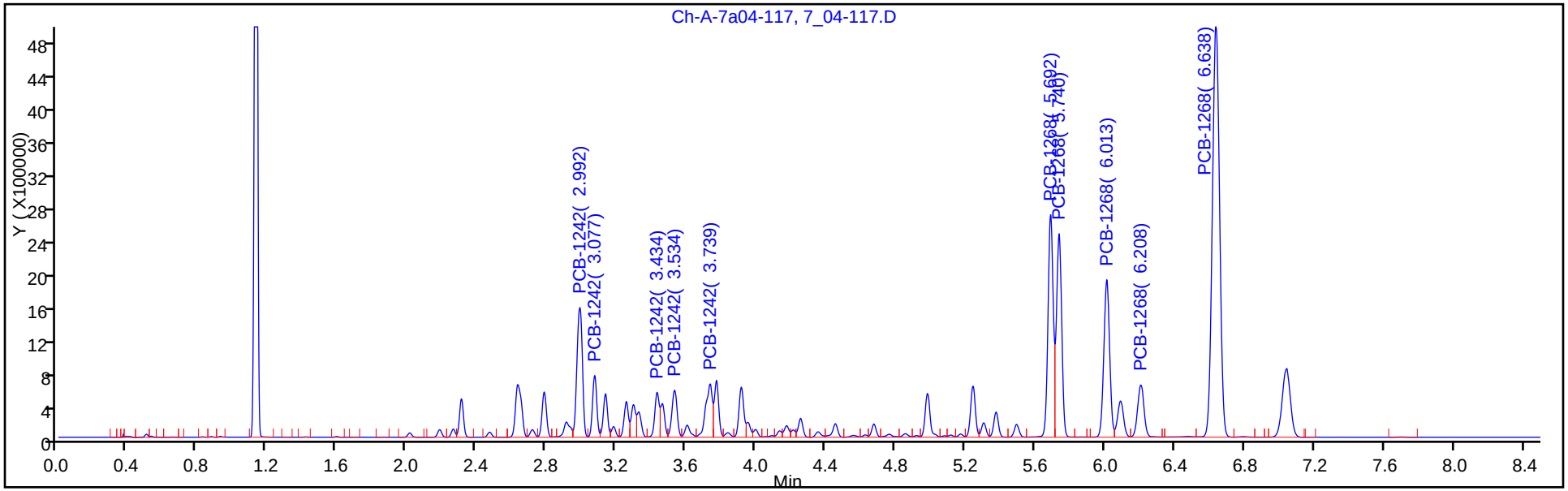
Report Date: 29-Apr-2016 01:45:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

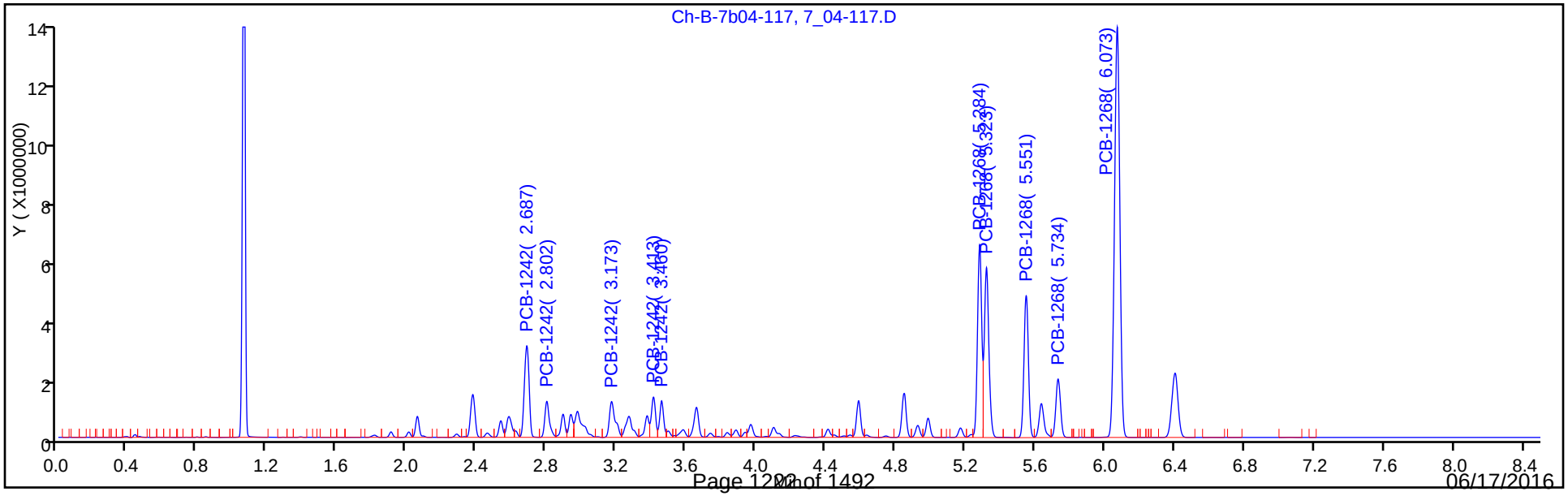
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-117.D

Injection Date:	28-Apr-2016 23:15:13	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-118.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 23:33:56 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:10 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:15:24

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.135	1.134	0.001	14018613	0.5000	0.5000	
2	1.065	1.063	0.002	22343002	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.990	2.990	0.000	909286	0.5000	0.5000	
1	3.076	3.075	0.001	344096	0.5000	0.5000	
1	3.435	3.434	0.001	263177	0.5000	0.5000	
1	3.534	3.533	0.001	312176	0.5000	0.5000	
1	3.739	3.738	0.001	443172	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	2.687	2.687	0.000	1596638	0.5000	0.5000	M
2	2.802	2.800	0.002	599229	0.5000	0.5000	M
2	3.173	3.173	0.000	738329	0.5000	0.5000	
2	3.413	3.414	-0.001	603167	0.5000	0.5000	M
2	3.461	3.459	0.002	503479	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.691	5.693	-0.002	1432215	0.5000	0.5000	
1	5.740	5.740	0.000	1283115	0.5000	0.5000	
1	6.013	6.012	0.000	1118528	0.5000	0.5000	
1	6.208	6.211	-0.003	478082	0.5000	0.5000	
1	6.640	6.642	-0.002	3627811	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	5.285	5.284	0.001	2668624	0.5000	0.5000	
2	5.324	5.323	0.001	2572092	0.5000	0.5000	
2	5.550	5.552	-0.002	2145441	0.5000	0.5000	
2	5.734	5.735	-0.001	954272	0.5000	0.5000	
2	6.073	6.072	0.000	7331460	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00003 Amount Added: 0.25 Units: mL

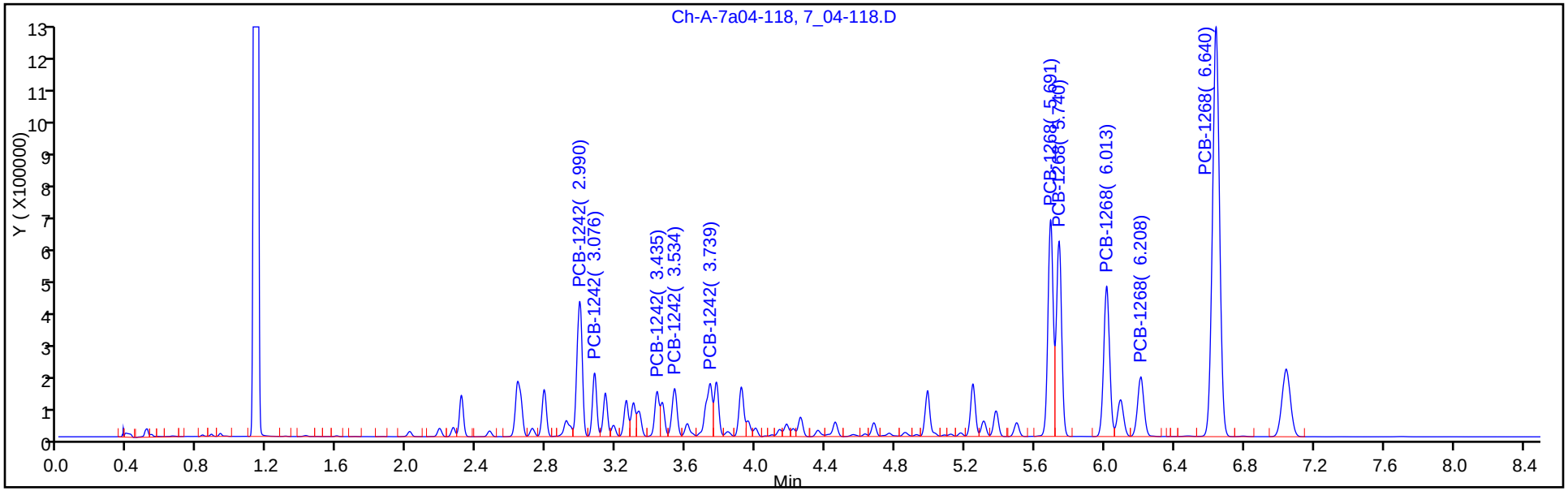
Report Date: 29-Apr-2016 01:45:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

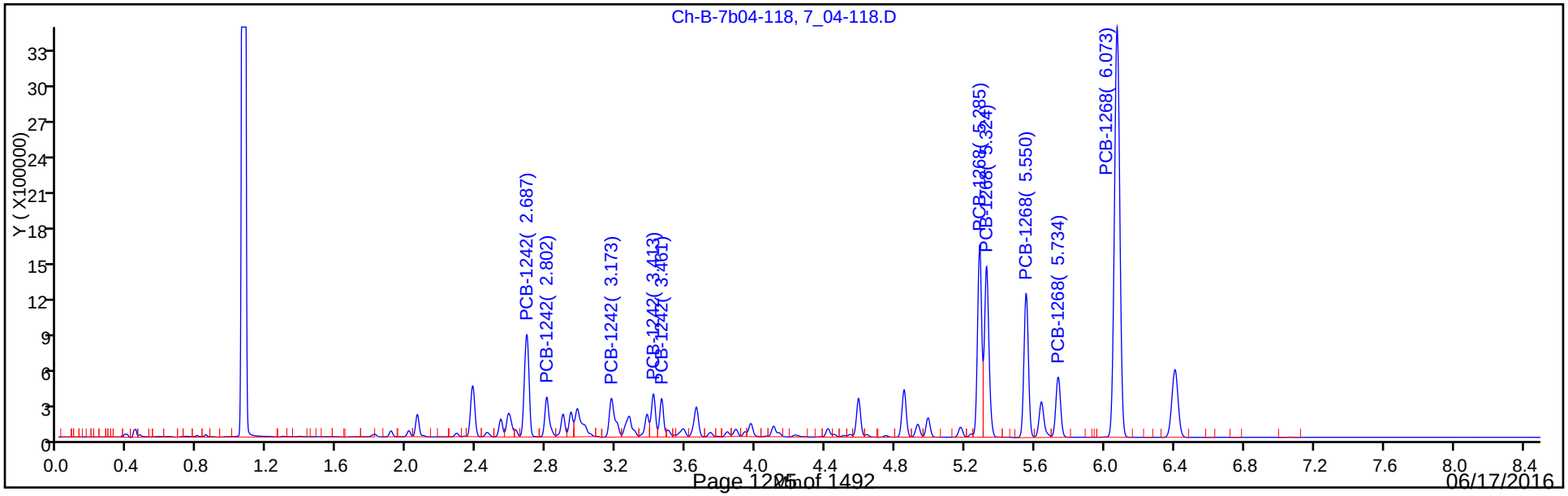
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-118.D

Injection Date:	28-Apr-2016 23:33:56	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-119.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 23:52:47 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:14 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:19:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14042820	0.5000	0.5000	
2	1.064	1.064	0.000	22623778	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.990	2.990	0.000	45580	0.0200	0.0250	
1	3.075	3.075	0.000	21297	0.0200	0.0309	
1	3.434	3.434	0.000	14910	0.0200	0.0283	
1	3.533	3.533	0.000	16233	0.0200	0.0260	
1	3.738	3.738	0.000	23540	0.0200	0.0265	
		Average of Peak Amounts =				0.0273	
2	2.687	2.687	0.000	85086	0.0200	0.0263	M
2	2.800	2.800	0.000	35243	0.0200	0.0290	M
2	3.173	3.173	0.000	43849	0.0200	0.0293	
2	3.414	3.414	0.000	31108	0.0200	0.0255	
2	3.459	3.459	0.000	25895	0.0200	0.0254	
		Average of Peak Amounts =				0.0271	
						RPD = 0.82	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.693	5.693	0.000	72789	0.0200	0.0254	
1	5.740	5.740	0.000	66377	0.0200	0.0258	
1	6.012	6.012	0.000	60152	0.0200	0.0268	
1	6.211	6.211	0.000	17750	0.0200	0.0185	
1	6.642	6.642	0.000	171485	0.0200	0.0236	
		Average of Peak Amounts =				0.0240	
2	5.284	5.284	0.000	126140	0.0200	0.0233	
2	5.323	5.323	0.000	120303	0.0200	0.0231	
2	5.552	5.552	0.000	128619	0.0200	0.0296	
2	5.735	5.735	0.000	49524	0.0200	0.0256	M
2	6.072	6.072	0.000	315750	0.0200	0.0213	M
		Average of Peak Amounts =				0.0246	
						RPD = 2.28	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00003 Amount Added: 0.25 Units: mL

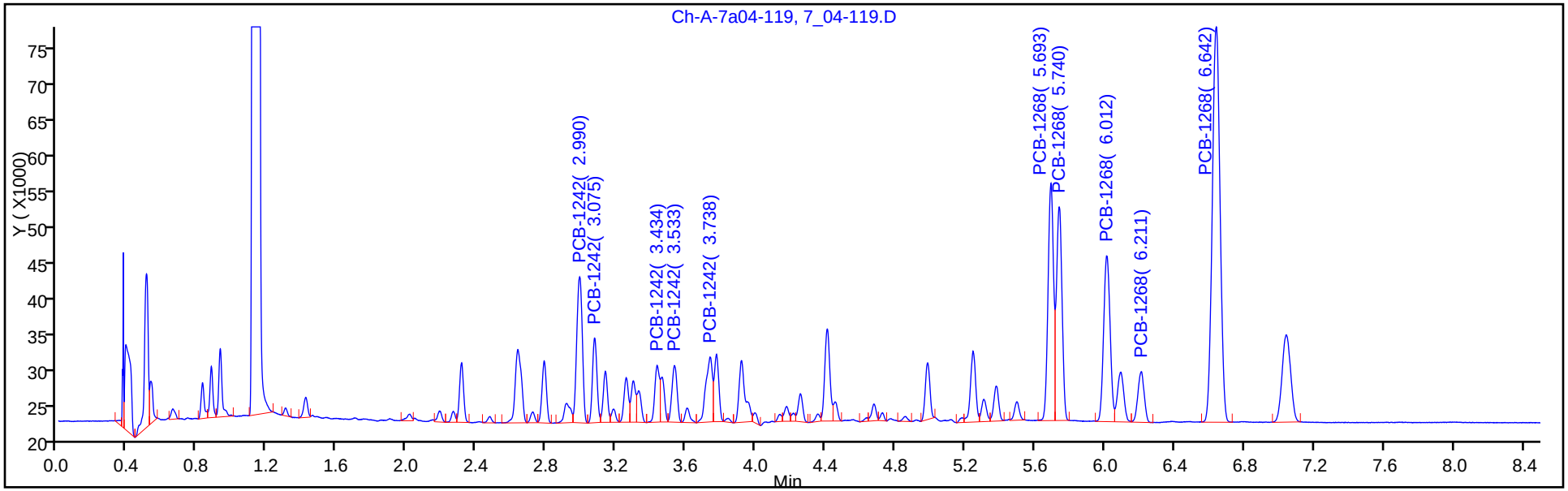
Report Date: 29-Apr-2016 01:45:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

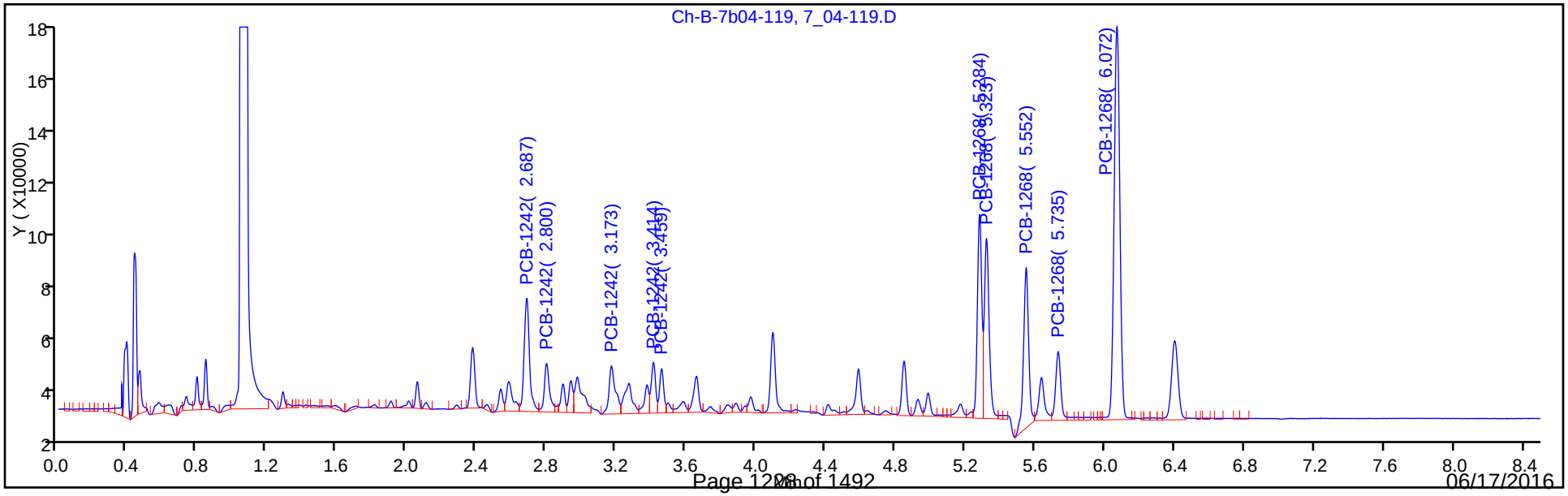
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-119.D

Injection Date:	28-Apr-2016 23:52:47	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 23:15 Calibration End Date: 04/28/2016 23:52 Calibration ID: 27236

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/24	7_04-119.D
Level 2	IC 480-298867/23	7_04-118.D
Level 3	IC 480-298867/22	7_04-117.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	+++++	0.0715	+++++			Ave		0.0715						20.0			
PCB-1242 Peak 2	+++++	0.0268	+++++			Ave		0.0268						20.0			
PCB-1242 Peak 3	+++++	0.0330	+++++			Ave		0.0330						20.0			
PCB-1242 Peak 4	+++++	0.0270	+++++			Ave		0.0270						20.0			
PCB-1242 Peak 5	+++++	0.0225	+++++			Ave		0.0225						20.0			
PCB-1268 Peak 1	+++++	0.1194	+++++			Ave		0.1194						20.0			
PCB-1268 Peak 2	+++++	0.1151	+++++			Ave		0.1151						20.0			
PCB-1268 Peak 3	+++++	0.0960	+++++			Ave		0.0960						20.0			
PCB-1268 Peak 4	+++++	0.0427	+++++			Ave		0.0427						20.0			
PCB-1268 Peak 5	+++++	0.3281	+++++			Ave		0.3281						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2016 23:15 Calibration End Date: 04/28/2016 23:52 Calibration ID: 27236

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/24	7_04-119.D
Level 2	IC 480-298867/23	7_04-118.D
Level 3	IC 480-298867/22	7_04-117.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Ave	+++++	1596638	+++++			+++++	0.500	+++++		
PCB-1242 Peak 2	BNB	Ave	+++++	599229	+++++			+++++	0.500	+++++		
PCB-1242 Peak 3	BNB	Ave	+++++	738329	+++++			+++++	0.500	+++++		
PCB-1242 Peak 4	BNB	Ave	+++++	603167	+++++			+++++	0.500	+++++		
PCB-1242 Peak 5	BNB	Ave	+++++	503479	+++++			+++++	0.500	+++++		
PCB-1268 Peak 1	BNB	Ave	+++++	2668624	+++++			+++++	0.500	+++++		
PCB-1268 Peak 2	BNB	Ave	+++++	2572092	+++++			+++++	0.500	+++++		
PCB-1268 Peak 3	BNB	Ave	+++++	2145441	+++++			+++++	0.500	+++++		
PCB-1268 Peak 4	BNB	Ave	+++++	954272	+++++			+++++	0.500	+++++		
PCB-1268 Peak 5	BNB	Ave	+++++	7331460	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-117.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 28-Apr-2016 23:15:13 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:04 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:10:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14154226	0.5000	0.5000	
2	1.065	1.063	0.002	22785698	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.992	2.990	0.002	3447908	2.00	1.88	a
1	3.077	3.075	0.002	1285543	2.00	1.85	a
1	3.434	3.434	0.000	974546	2.00	1.83	a
1	3.534	3.533	0.001	1185211	2.00	1.88	a
1	3.739	3.738	0.001	1698047	2.00	1.90	a
		Average of Peak Amounts =				1.87	
2	2.687	2.687	0.000	5987390	2.00	1.84	a
2	2.802	2.800	0.002	2281697	2.00	1.87	a
2	3.173	3.173	0.001	2883164	2.00	1.91	a
2	3.413	3.414	-0.001	2317051	2.00	1.88	a
2	3.460	3.459	0.001	1978285	2.00	1.93	a
		Average of Peak Amounts =				1.89	
						RPD = 0.97	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.692	5.693	-0.001	5631181	2.00	1.95	a
1	5.740	5.740	0.000	5149093	2.00	1.99	a
1	6.013	6.012	0.001	4435974	2.00	1.96	a
1	6.208	6.211	-0.003	1634109	2.00	1.69	a
1	6.638	6.642	-0.004	14410973	2.00	1.97	a
		Average of Peak Amounts =				1.91	
2	5.284	5.284	0.000	11137520	2.00	2.05	a
2	5.323	5.323	0.000	10561820	2.00	2.01	a
2	5.551	5.552	-0.001	8659944	2.00	1.98	a
2	5.734	5.735	-0.001	3772086	2.00	1.94	a
2	6.073	6.072	0.001	30061360	2.00	2.01	a
		Average of Peak Amounts =				2.00	
						RPD = 4.39	

Reagents:

42-68w/IS@2.0_00003 Amount Added: 0.25 Units: mL

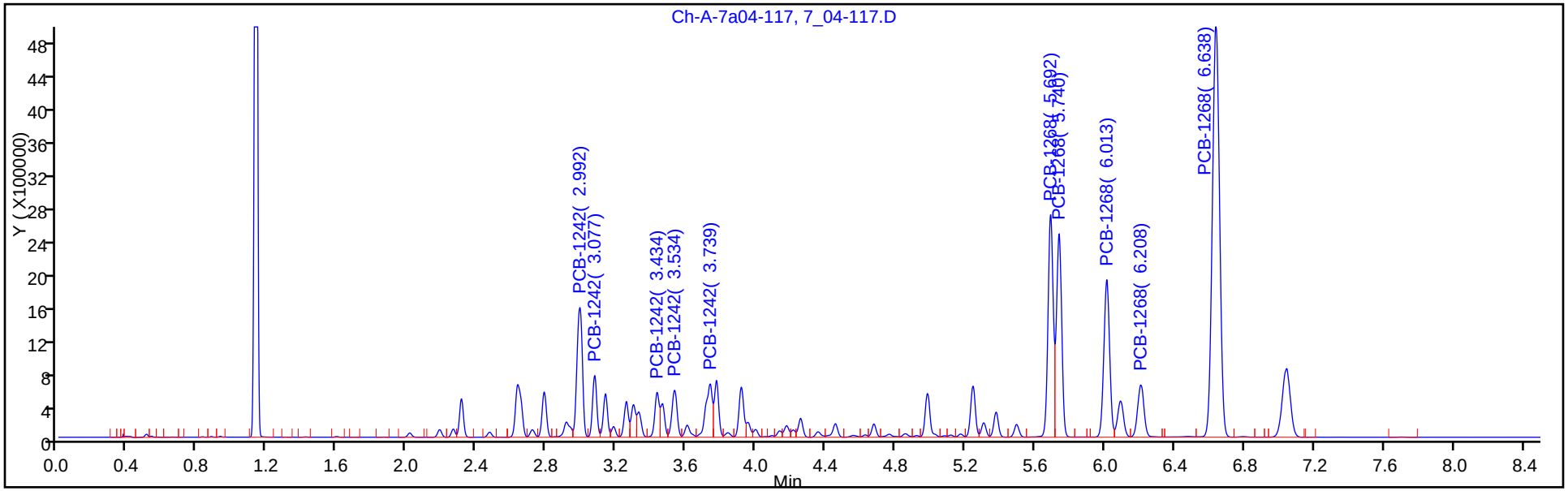
Report Date: 29-Apr-2016 01:45:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

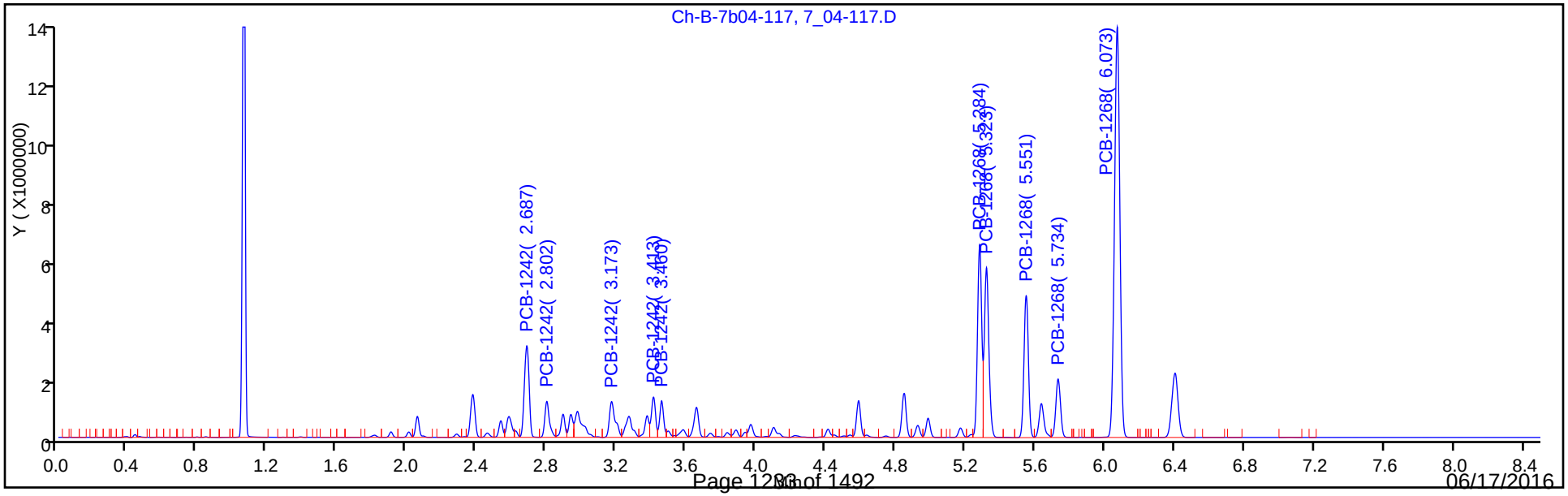
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-117.D

Injection Date:	28-Apr-2016 23:15:13	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-118.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 28-Apr-2016 23:33:56 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:10 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:15:24

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.135	1.134	0.001	14018613	0.5000	0.5000	
2	1.065	1.063	0.002	22343002	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.990	2.990	0.000	909286	0.5000	0.5000	
1	3.076	3.075	0.001	344096	0.5000	0.5000	
1	3.435	3.434	0.001	263177	0.5000	0.5000	
1	3.534	3.533	0.001	312176	0.5000	0.5000	
1	3.739	3.738	0.001	443172	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	2.687	2.687	0.000	1596638	0.5000	0.5000	M
2	2.802	2.800	0.002	599229	0.5000	0.5000	M
2	3.173	3.173	0.000	738329	0.5000	0.5000	
2	3.413	3.414	-0.001	603167	0.5000	0.5000	M
2	3.461	3.459	0.002	503479	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.691	5.693	-0.002	1432215	0.5000	0.5000	
1	5.740	5.740	0.000	1283115	0.5000	0.5000	
1	6.013	6.012	0.000	1118528	0.5000	0.5000	
1	6.208	6.211	-0.003	478082	0.5000	0.5000	
1	6.640	6.642	-0.002	3627811	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	5.285	5.284	0.001	2668624	0.5000	0.5000	
2	5.324	5.323	0.001	2572092	0.5000	0.5000	
2	5.550	5.552	-0.002	2145441	0.5000	0.5000	
2	5.734	5.735	-0.001	954272	0.5000	0.5000	
2	6.073	6.072	0.000	7331460	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00003 Amount Added: 0.25 Units: mL

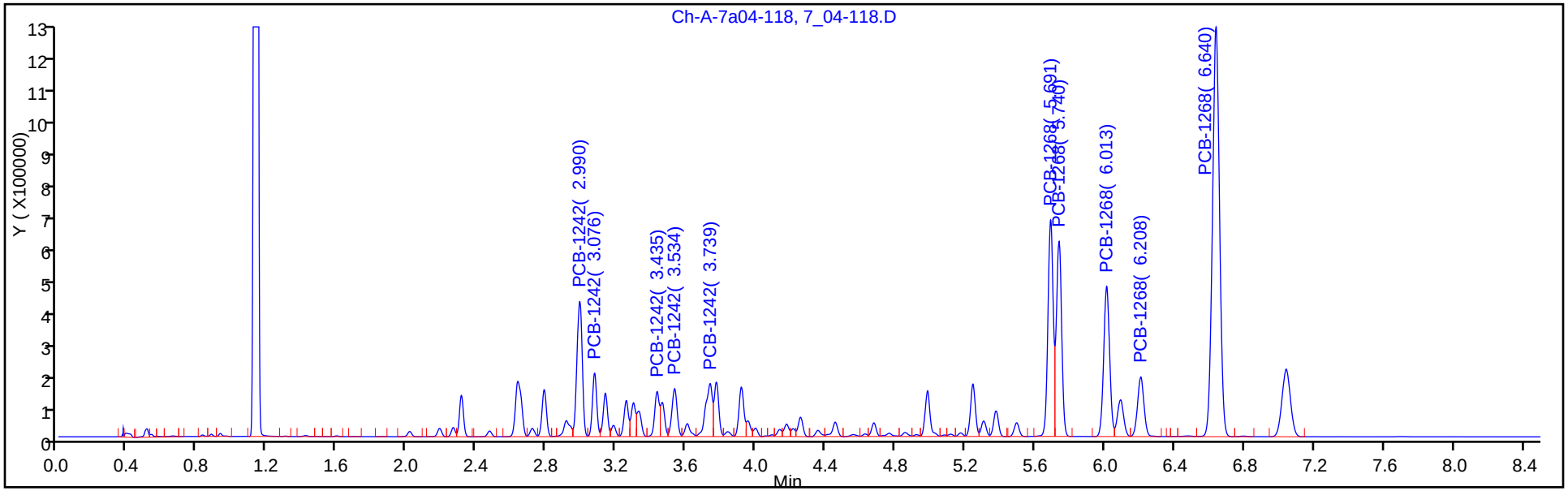
Report Date: 29-Apr-2016 01:45:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

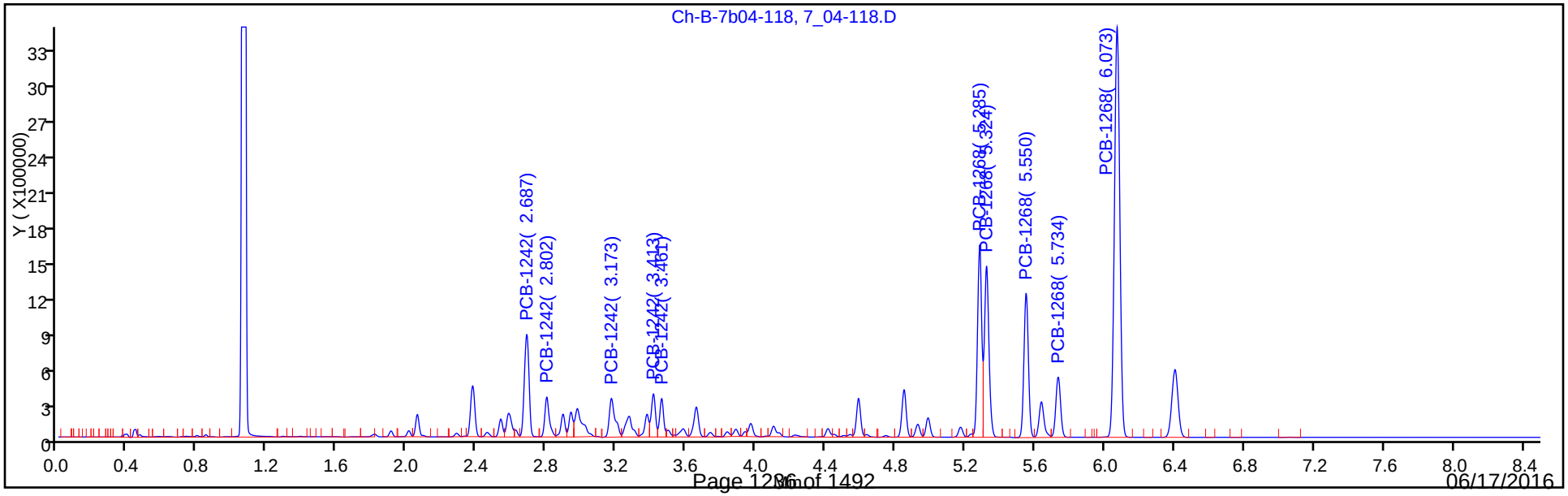
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-118.D

Injection Date:	28-Apr-2016 23:33:56	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:45:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-118.D

Injection Date: 28-Apr-2016 23:33:56 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

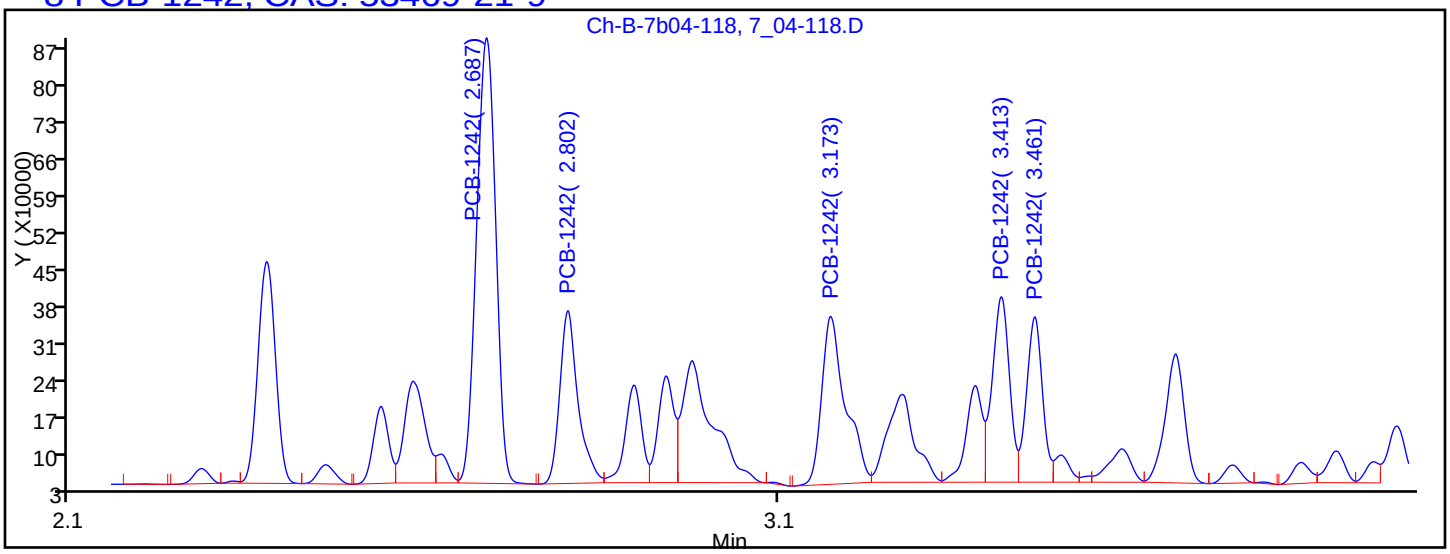
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

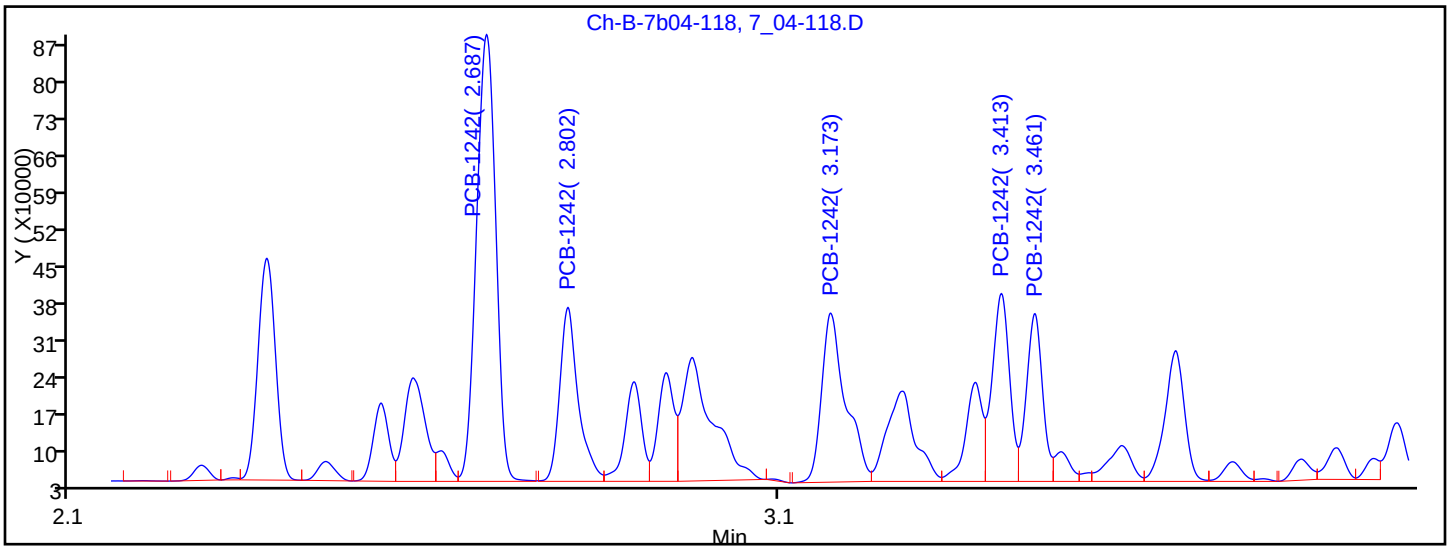
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 2.687	Response = 1582105	M
RT = 2.802	Response = 586309	M
RT = 3.173	Response = 738329	
RT = 3.413	Response = 589917	M
RT = 3.461	Response = 489483	M



Manual Integration Results

RT = 2.687	Response = 1596638	M
RT = 2.802	Response = 599229	M
RT = 3.173	Response = 738329	
RT = 3.413	Response = 603167	M
RT = 3.461	Response = 503479	M

Reviewer: sobolk, 29-Apr-2016 01:15:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-119.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 28-Apr-2016 23:52:47 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:14 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:19:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14042820	0.5000	0.5000	
2	1.064	1.064	0.000	22623778	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.990	2.990	0.000	45580	0.0200	0.0250	
1	3.075	3.075	0.000	21297	0.0200	0.0309	
1	3.434	3.434	0.000	14910	0.0200	0.0283	
1	3.533	3.533	0.000	16233	0.0200	0.0260	
1	3.738	3.738	0.000	23540	0.0200	0.0265	
		Average of Peak Amounts =				0.0273	
2	2.687	2.687	0.000	85086	0.0200	0.0263	M
2	2.800	2.800	0.000	35243	0.0200	0.0290	M
2	3.173	3.173	0.000	43849	0.0200	0.0293	
2	3.414	3.414	0.000	31108	0.0200	0.0255	
2	3.459	3.459	0.000	25895	0.0200	0.0254	
		Average of Peak Amounts =				0.0271	
						RPD = 0.82	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.693	5.693	0.000	72789	0.0200	0.0254	
1	5.740	5.740	0.000	66377	0.0200	0.0258	
1	6.012	6.012	0.000	60152	0.0200	0.0268	
1	6.211	6.211	0.000	17750	0.0200	0.0185	
1	6.642	6.642	0.000	171485	0.0200	0.0236	
		Average of Peak Amounts =				0.0240	
2	5.284	5.284	0.000	126140	0.0200	0.0233	
2	5.323	5.323	0.000	120303	0.0200	0.0231	
2	5.552	5.552	0.000	128619	0.0200	0.0296	
2	5.735	5.735	0.000	49524	0.0200	0.0256	M
2	6.072	6.072	0.000	315750	0.0200	0.0213	M
		Average of Peak Amounts =				0.0246	
						RPD = 2.28	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00003 Amount Added: 0.25 Units: mL

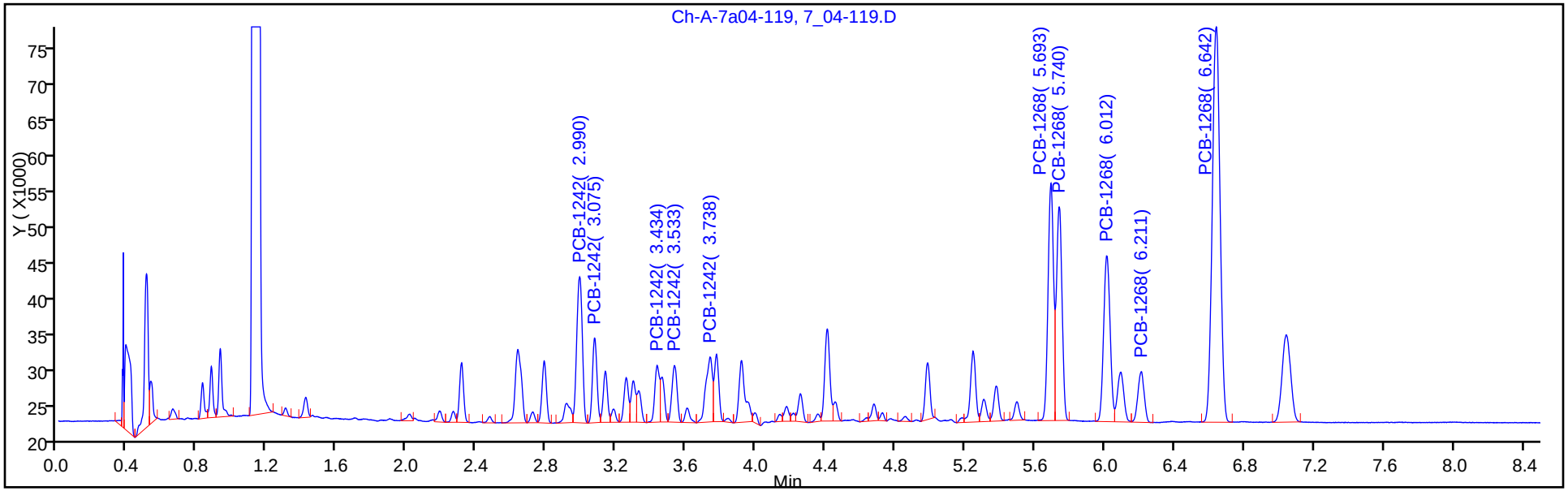
Report Date: 29-Apr-2016 01:45:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

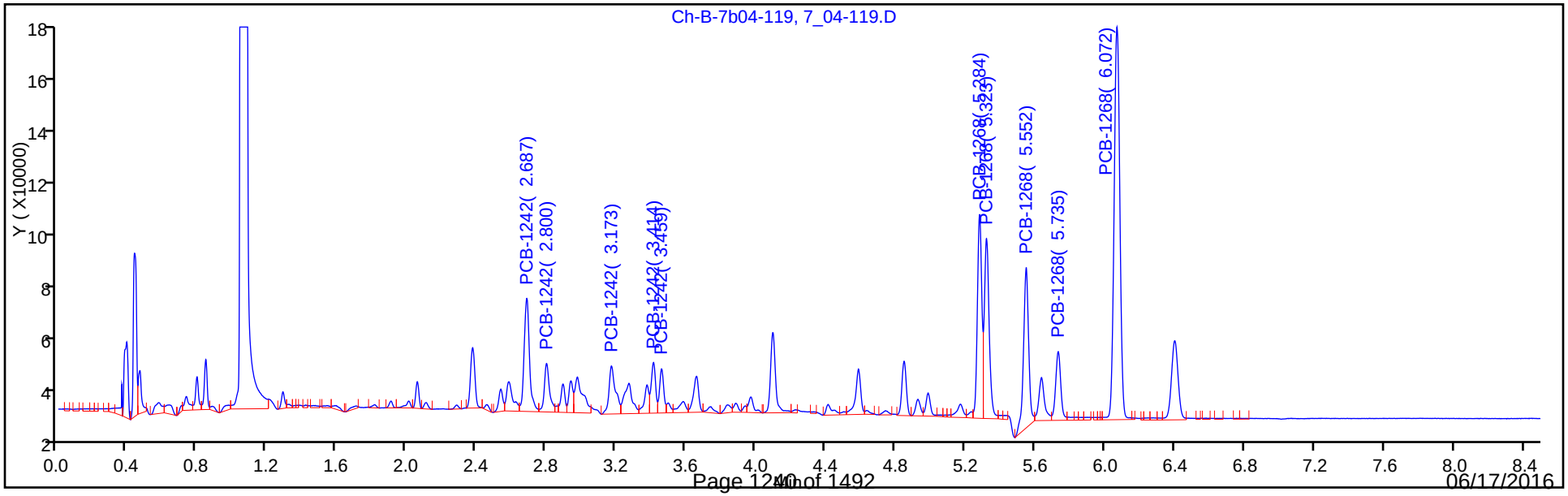
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-119.D

Injection Date:	28-Apr-2016 23:52:47	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:45:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-119.D

Injection Date: 28-Apr-2016 23:52:47 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

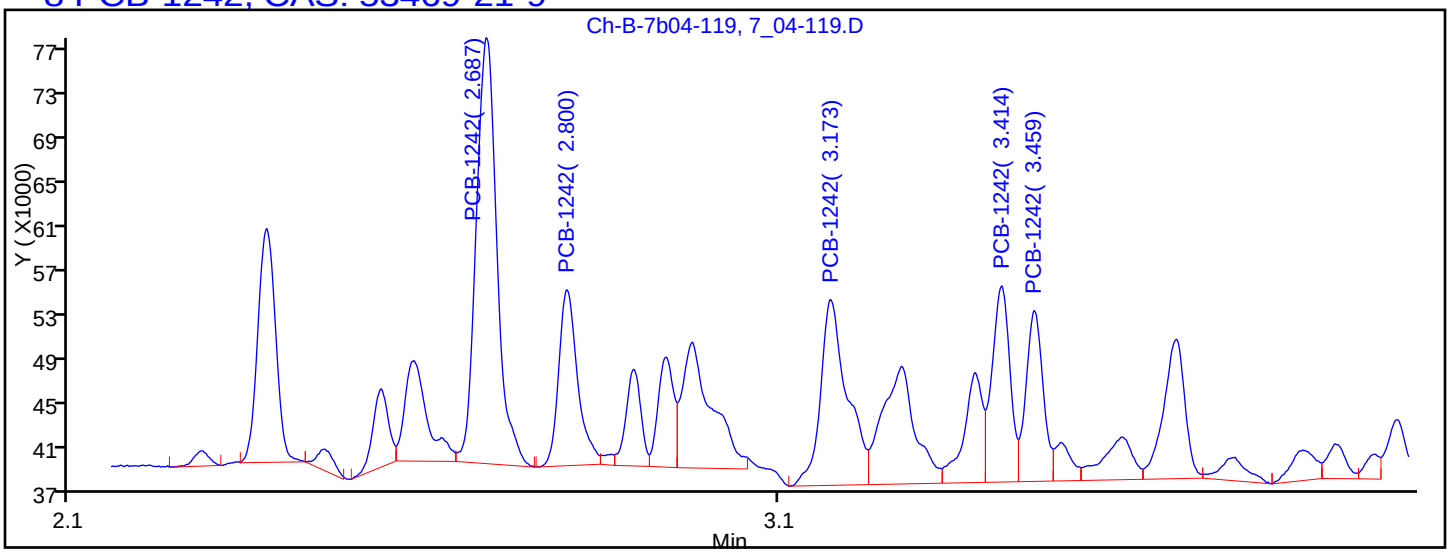
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 24

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

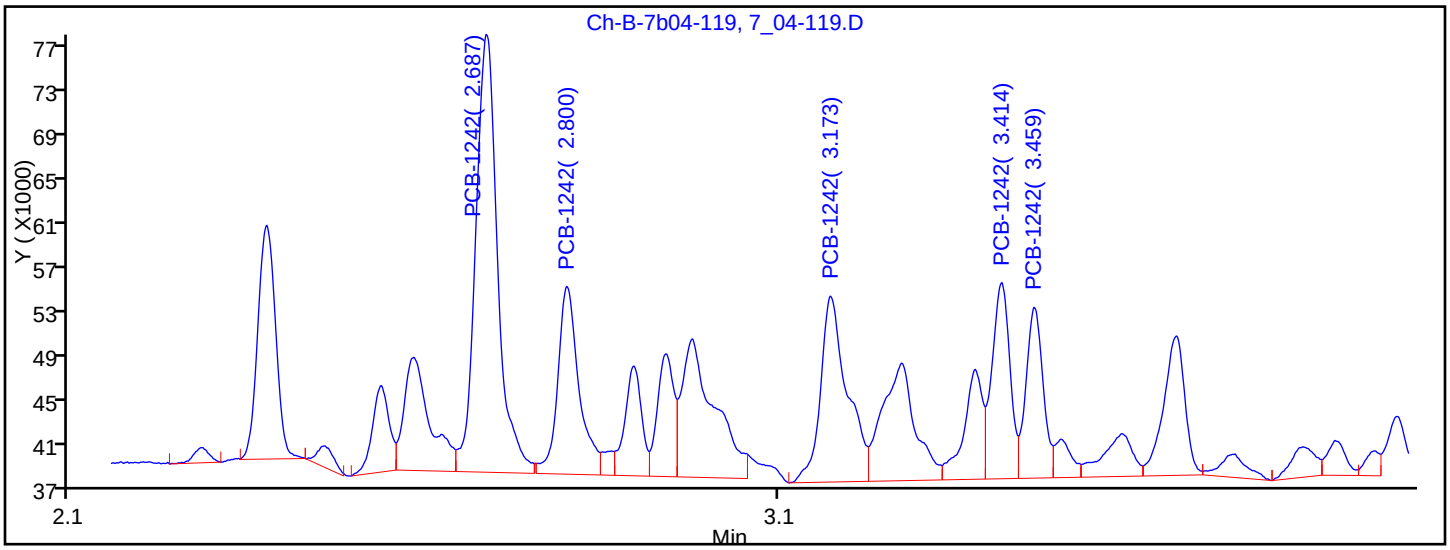
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 2.687	Response = 78236	M
RT = 2.800	Response = 29445	M
RT = 3.173	Response = 43849	
RT = 3.414	Response = 31108	
RT = 3.459	Response = 25895	



Manual Integration Results

RT = 2.687	Response = 85086	M
RT = 2.800	Response = 35243	M
RT = 3.173	Response = 43849	
RT = 3.414	Response = 31108	
RT = 3.459	Response = 25895	

Reviewer: sobolk, 29-Apr-2016 01:19:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 29-Apr-2016 01:45:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-119.D

Injection Date: 28-Apr-2016 23:52:47 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

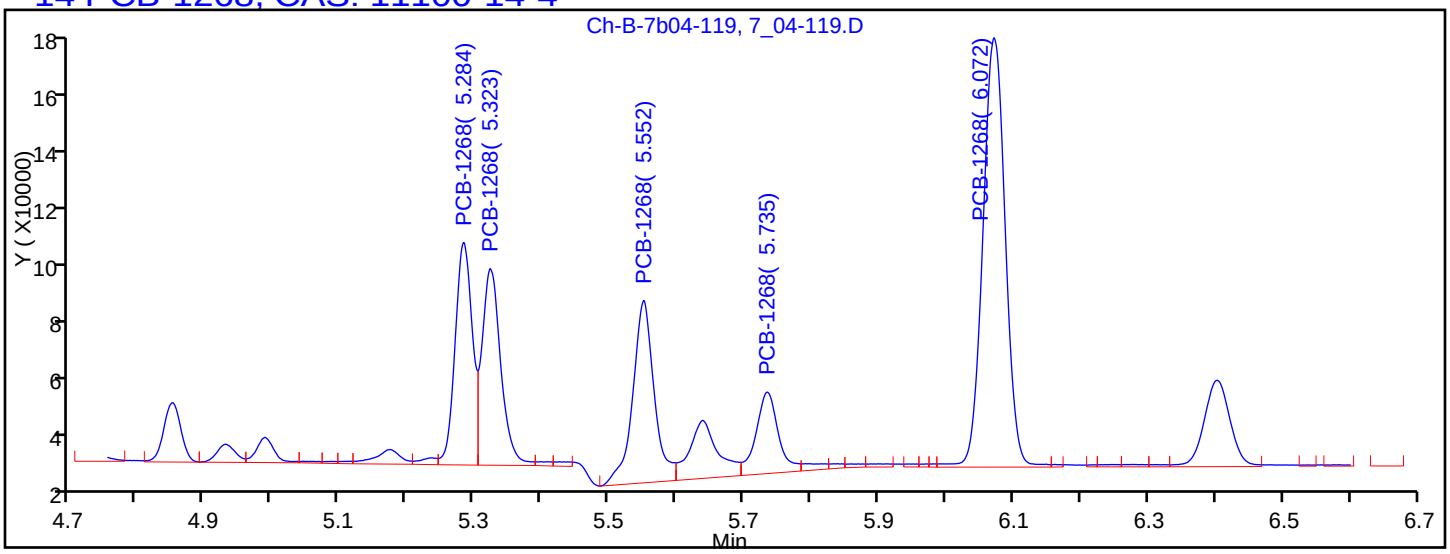
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 24

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

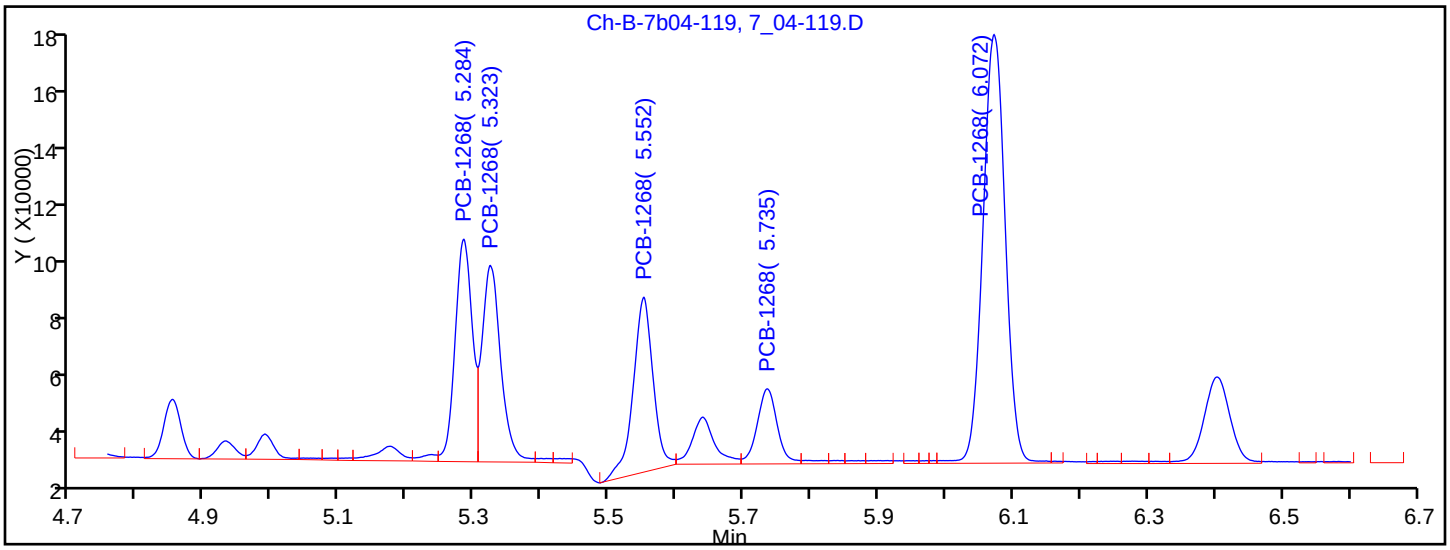
RT = 5.284 Response = 126140

RT = 5.323 Response = 120303

RT = 5.552 Response = 128619

RT = 5.735 Response = 59860 M

RT = 6.072 Response = 317836 M



Manual Integration Results

RT = 5.284 Response = 126140

RT = 5.323 Response = 120303

RT = 5.552 Response = 128619

RT = 5.735 Response = 49524 M

RT = 6.072 Response = 315750 M

Reviewer: sobolk, 29-Apr-2016 01:19:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2016 00:30 Calibration End Date: 04/29/2016 01:08 Calibration ID: 27247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/28	7_04-123.D
Level 2	IC 480-298867/27	7_04-122.D
Level 3	IC 480-298867/26	7_04-121.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	+++++	0.0441	+++++			Ave		0.0441						20.0			
PCB-1248 Peak 2	+++++	0.0342	+++++			Ave		0.0342						20.0			
PCB-1248 Peak 3	+++++	0.0536	+++++			Ave		0.0536						20.0			
PCB-1248 Peak 4	+++++	0.0403	+++++			Ave		0.0403						20.0			
PCB-1248 Peak 5	+++++	0.0344	+++++			Ave		0.0344						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2016 00:30 Calibration End Date: 04/29/2016 01:08 Calibration ID: 27247

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/28	7_04-123.D
Level 2	IC 480-298867/27	7_04-122.D
Level 3	IC 480-298867/26	7_04-121.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Ave	+++++	623500	+++++			+++++	0.500	+++++		
PCB-1248 Peak 2	BNB	Ave	+++++	483710	+++++			+++++	0.500	+++++		
PCB-1248 Peak 3	BNB	Ave	+++++	758203	+++++			+++++	0.500	+++++		
PCB-1248 Peak 4	BNB	Ave	+++++	569275	+++++			+++++	0.500	+++++		
PCB-1248 Peak 5	BNB	Ave	+++++	485845	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-121.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 29-Apr-2016 00:30:39 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:29 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:31:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14035850	0.5000	0.5000	
2	1.064	1.064	0.000	22643806	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.434	3.433	0.001	2326110	2.00	1.88	a
1	3.533	3.534	-0.001	1819303	2.00	1.89	a
1	3.739	3.738	0.001	2961073	2.00	1.97	a
1	3.775	3.775	0.000	2129720	2.00	1.88	a
1	3.917	3.917	0.000	1849611	2.00	1.92	a
		Average of Peak Amounts =				1.91	
2	3.173	3.172	0.000	3197947	2.00	1.88	a
2	3.273	3.272	0.000	2912562	2.00	1.94	M
2	3.414	3.414	0.000	4078271	2.00	1.87	M
2	3.460	3.461	-0.001	3167214	2.00	1.92	M
2	3.659	3.659	0.000	3324818	2.00	1.97	M
		Average of Peak Amounts =				1.91	
						RPD = 0.27	

Reagents:

1248w/IS@ 2.0_00003 Amount Added: 0.25 Units: mL

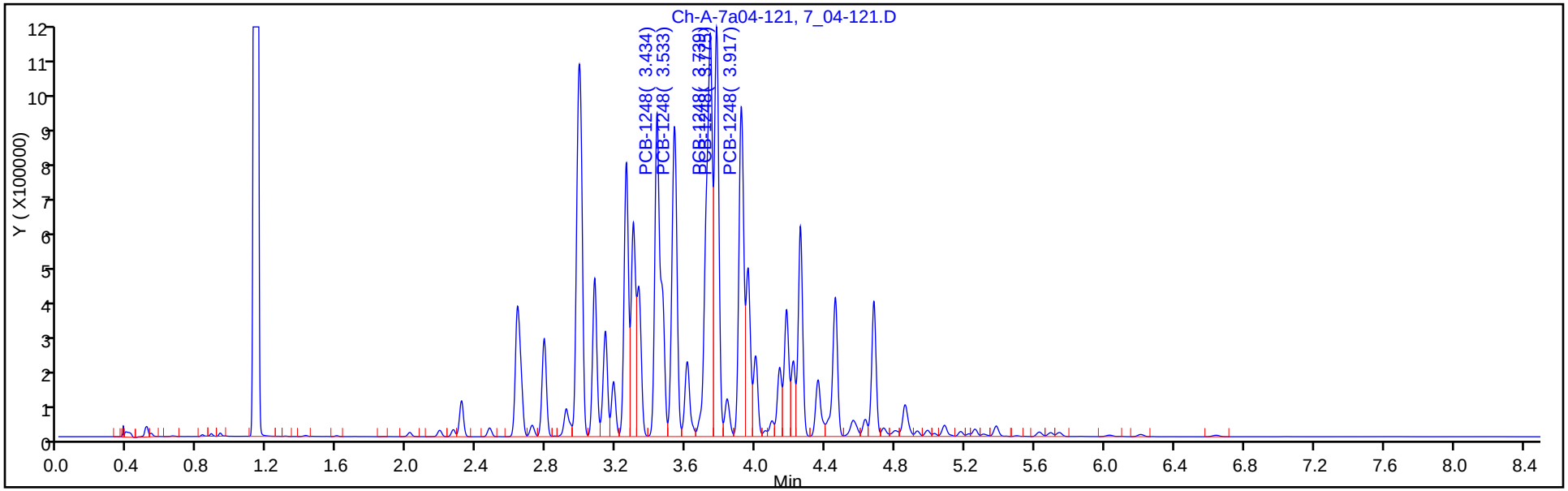
Report Date: 29-Apr-2016 01:45:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

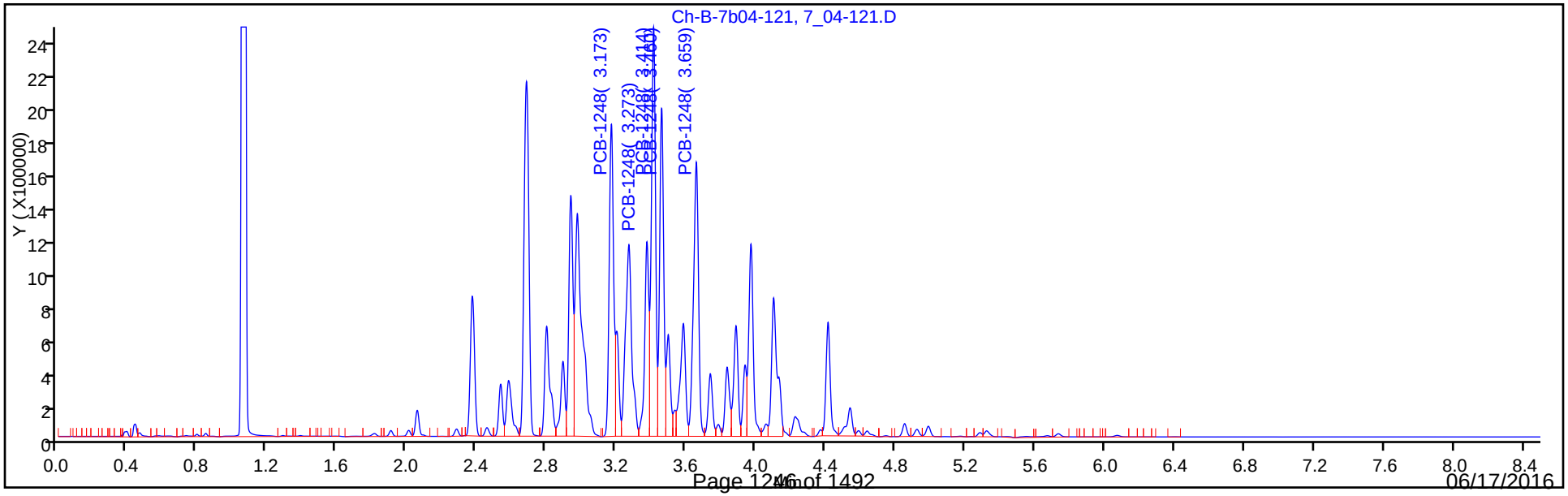
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-121.D

Injection Date:	29-Apr-2016 00:30:39	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-122.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 29-Apr-2016 00:49:28 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:32 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:33:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14140337	0.5000	0.5000	
2	1.064	1.064	0.000	22728709	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.433	3.433	-0.001	623500	0.5000	0.5000	
1	3.533	3.534	-0.001	483710	0.5000	0.5000	
1	3.738	3.738	0.000	758203	0.5000	0.5000	
1	3.774	3.775	-0.001	569275	0.5000	0.5000	
1	3.917	3.917	0.000	485845	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.171	3.172	-0.001	855915	0.5000	0.5000	
2	3.273	3.272	0.000	755317	0.5000	0.5000	M
2	3.413	3.414	-0.002	1093747	0.5000	0.5000	M
2	3.460	3.461	-0.001	828414	0.5000	0.5000	M
2	3.658	3.659	-0.001	847730	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00003 Amount Added: 0.25 Units: mL

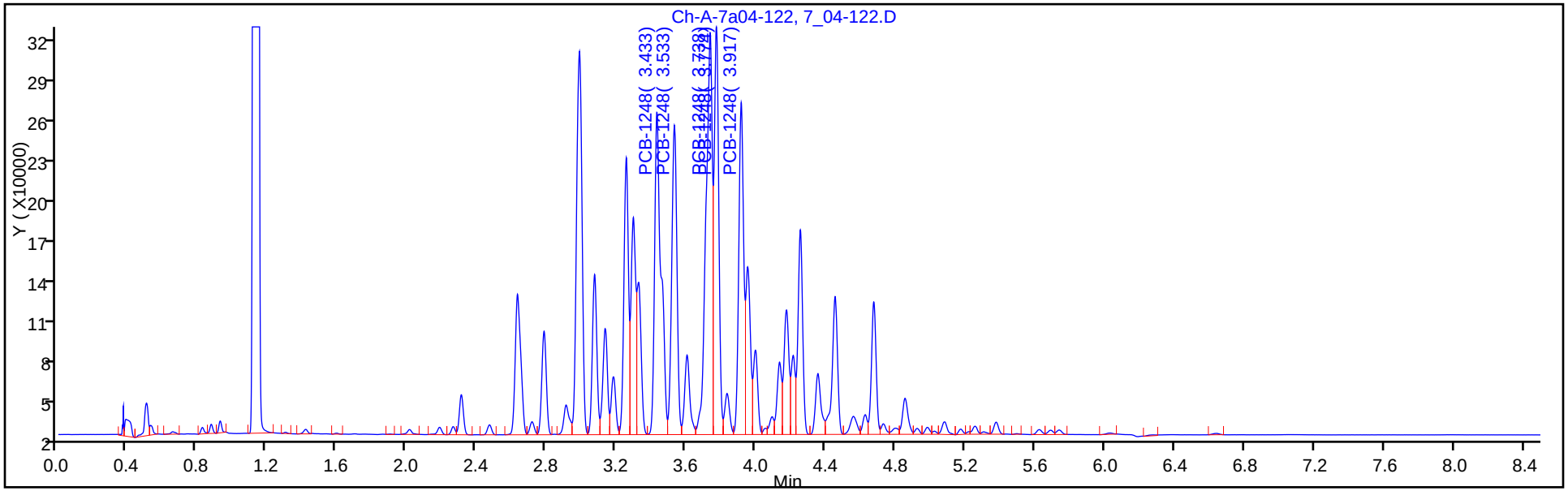
Report Date: 29-Apr-2016 01:45:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

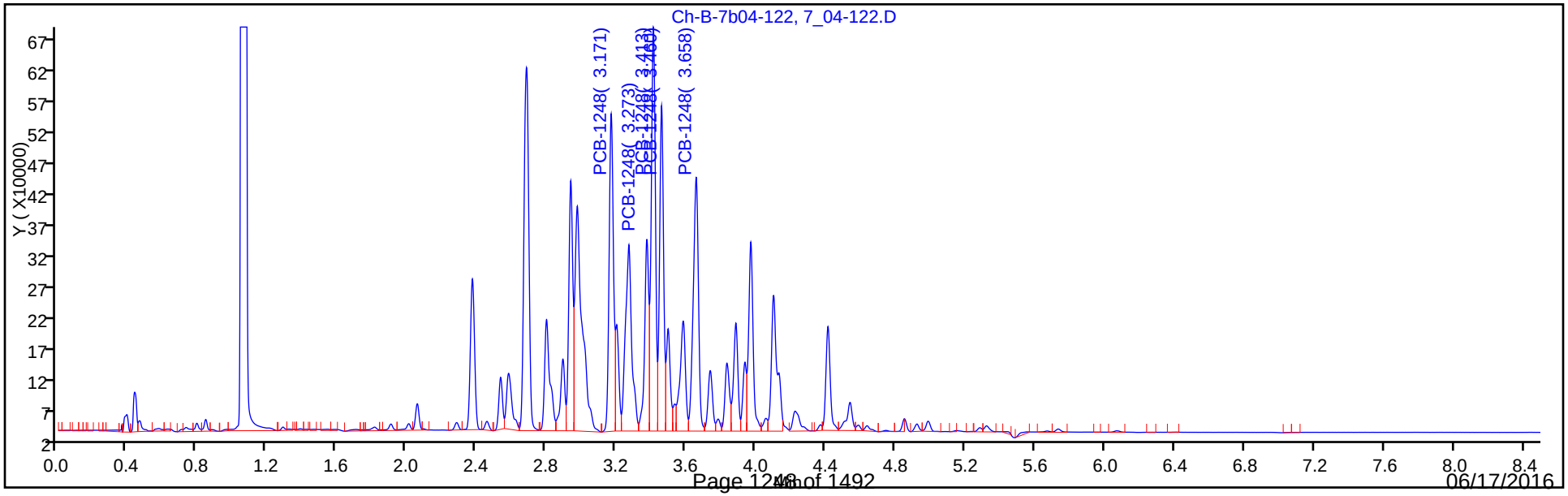
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-122.D

Injection Date:	29-Apr-2016 00:49:28	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 29-Apr-2016 01:08:20 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:35 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:36:18

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	13750202	0.5000	0.5000	
2	1.063	1.063	0.000	22113144	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.433	3.433	0.000	32892	0.0200	0.0271	M
1	3.534	3.534	0.000	24971	0.0200	0.0265	M
1	3.738	3.738	0.000	39040	0.0200	0.0265	M
1	3.775	3.775	0.000	29523	0.0200	0.0267	M
1	3.917	3.917	0.000	23739	0.0200	0.0251	
		Average of Peak Amounts =				0.0264	
2	3.172	3.172	0.000	45374	0.0200	0.0272	M
2	3.272	3.272	0.000	38619	0.0200	0.0263	M
2	3.414	3.414	0.000	50307	0.0200	0.0236	M
2	3.461	3.461	0.000	38370	0.0200	0.0238	M
2	3.659	3.659	0.000	41209	0.0200	0.0250	M
		Average of Peak Amounts =				0.0252	
						RPD = 4.65	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00003 Amount Added: 0.25 Units: mL

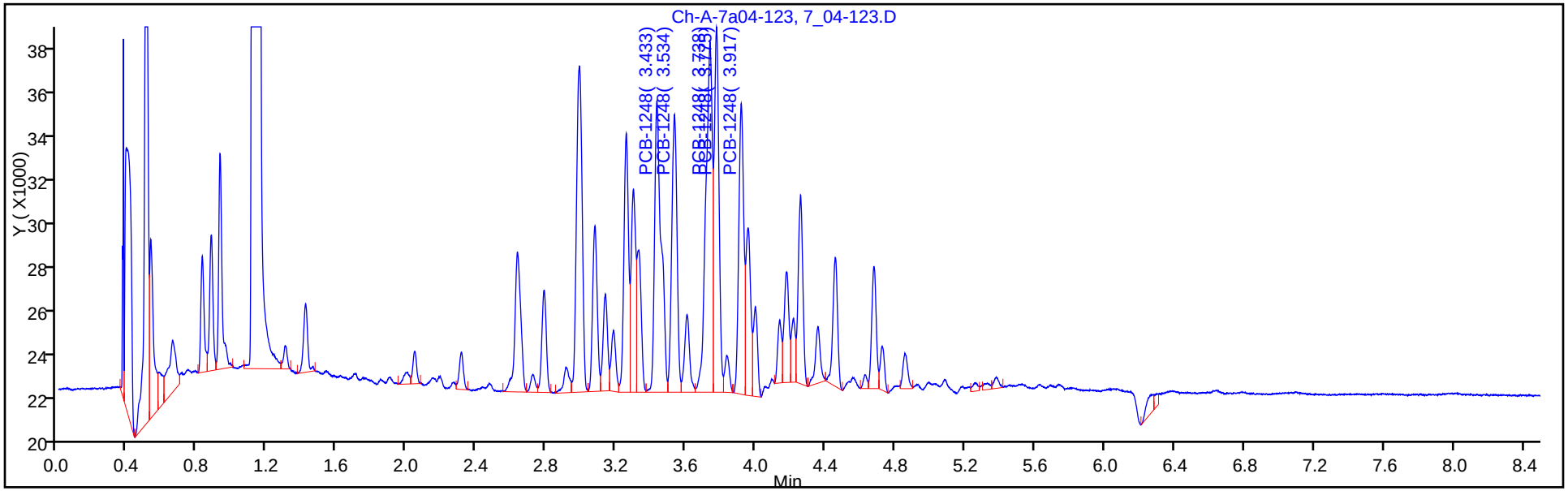
Report Date: 29-Apr-2016 01:45:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

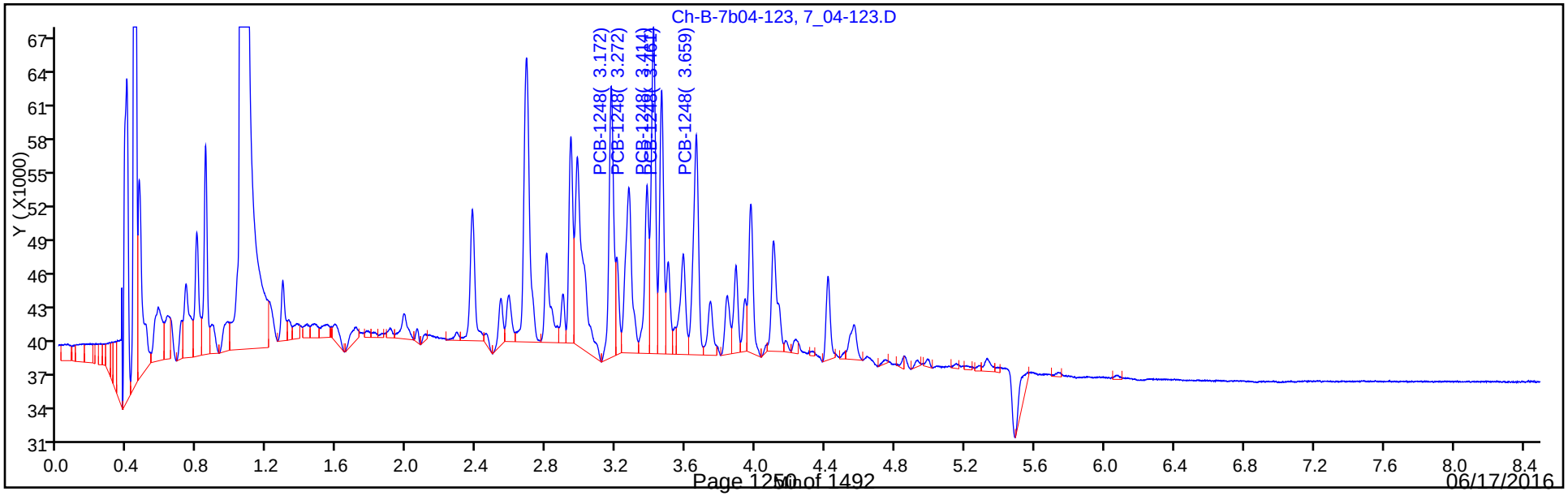
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Injection Date:	29-Apr-2016 01:08:20	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:45:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Injection Date: 29-Apr-2016 01:08:20 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

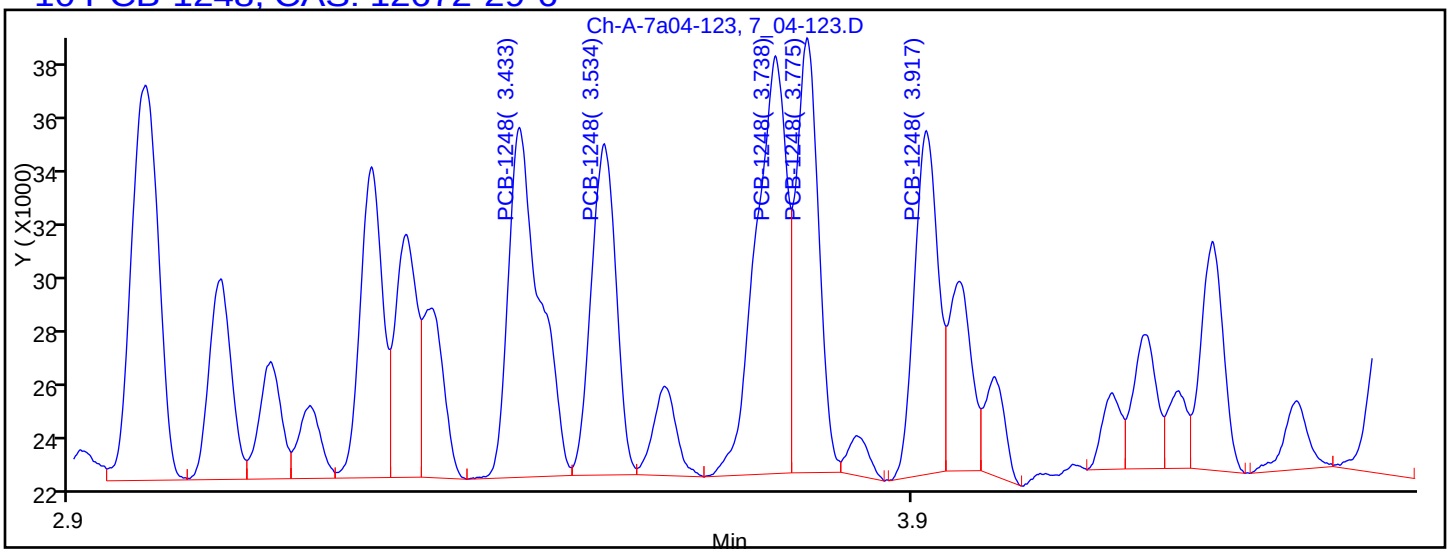
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

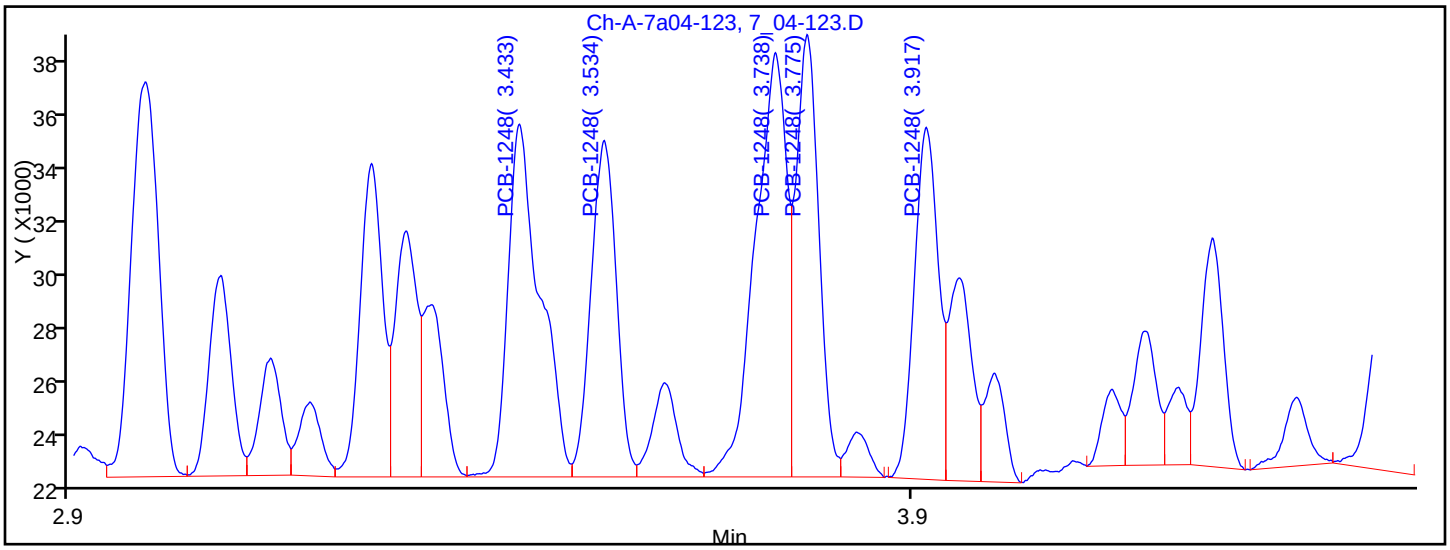
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 3.433	Response = 32063	M
RT = 3.534	Response = 24086	M
RT = 3.738	Response = 37800	M
RT = 3.775	Response = 28545	M
RT = 3.917	Response = 23739	



Manual Integration Results

RT = 3.433	Response = 32892	M
RT = 3.534	Response = 24971	M
RT = 3.738	Response = 39040	M
RT = 3.775	Response = 29523	M
RT = 3.917	Response = 23739	

Reviewer: sobolk, 29-Apr-2016 01:36:18

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2016 00:30 Calibration End Date: 04/29/2016 01:08 Calibration ID: 27248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/28	7_04-123.D
Level 2	IC 480-298867/27	7_04-122.D
Level 3	IC 480-298867/26	7_04-121.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	+++++	0.0377	+++++			Ave		0.0377						20.0			
PCB-1248 Peak 2	+++++	0.0332	+++++			Ave		0.0332						20.0			
PCB-1248 Peak 3	+++++	0.0481	+++++			Ave		0.0481						20.0			
PCB-1248 Peak 4	+++++	0.0364	+++++			Ave		0.0364						20.0			
PCB-1248 Peak 5	+++++	0.0373	+++++			Ave		0.0373						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1 Analy Batch No.: 298867

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2016 00:30 Calibration End Date: 04/29/2016 01:08 Calibration ID: 27248

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-298867/28	7_04-123.D
Level 2	IC 480-298867/27	7_04-122.D
Level 3	IC 480-298867/26	7_04-121.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Ave	+++++	855915	+++++			+++++	0.500	+++++		
PCB-1248 Peak 2	BNB	Ave	+++++	755317	+++++			+++++	0.500	+++++		
PCB-1248 Peak 3	BNB	Ave	+++++	1093747	+++++			+++++	0.500	+++++		
PCB-1248 Peak 4	BNB	Ave	+++++	828414	+++++			+++++	0.500	+++++		
PCB-1248 Peak 5	BNB	Ave	+++++	847730	+++++			+++++	0.500	+++++		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-121.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 29-Apr-2016 00:30:39 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:29 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:31:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14035850	0.5000	0.5000	
2	1.064	1.064	0.000	22643806	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.434	3.433	0.001	2326110	2.00	1.88	a
1	3.533	3.534	-0.001	1819303	2.00	1.89	a
1	3.739	3.738	0.001	2961073	2.00	1.97	a
1	3.775	3.775	0.000	2129720	2.00	1.88	a
1	3.917	3.917	0.000	1849611	2.00	1.92	a
		Average of Peak Amounts =				1.91	
2	3.173	3.172	0.000	3197947	2.00	1.88	a
2	3.273	3.272	0.000	2912562	2.00	1.94	M
2	3.414	3.414	0.000	4078271	2.00	1.87	M
2	3.460	3.461	-0.001	3167214	2.00	1.92	M
2	3.659	3.659	0.000	3324818	2.00	1.97	M
		Average of Peak Amounts =				1.91	
						RPD = 0.27	

Reagents:

1248w/IS@ 2.0_00003 Amount Added: 0.25 Units: mL

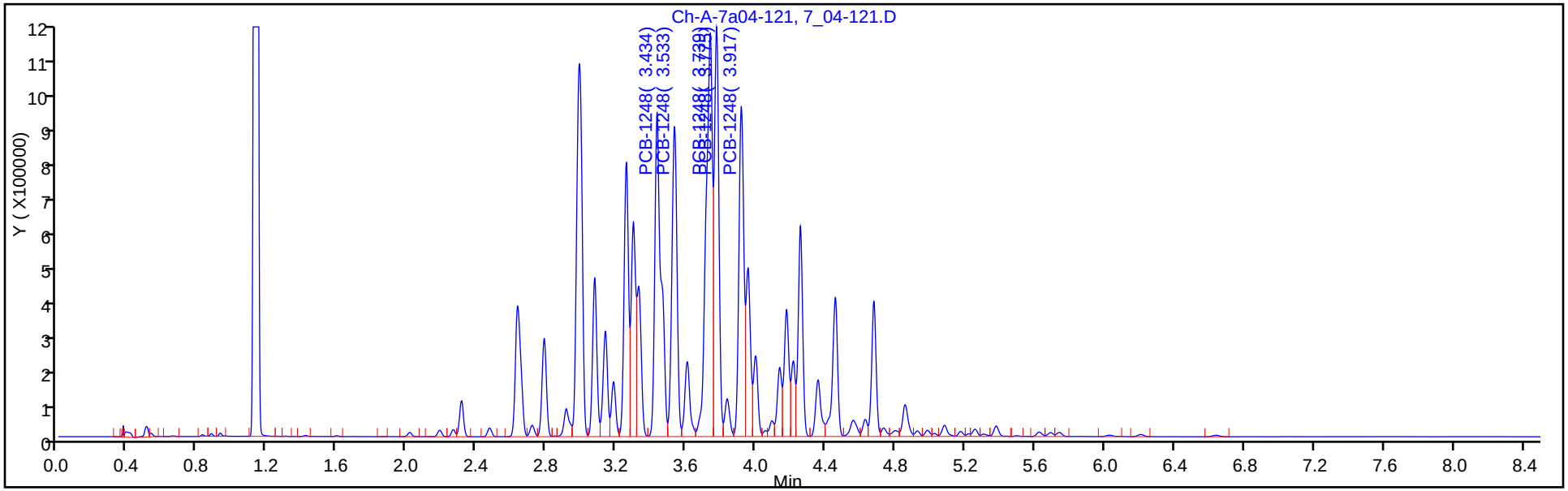
Report Date: 29-Apr-2016 01:45:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

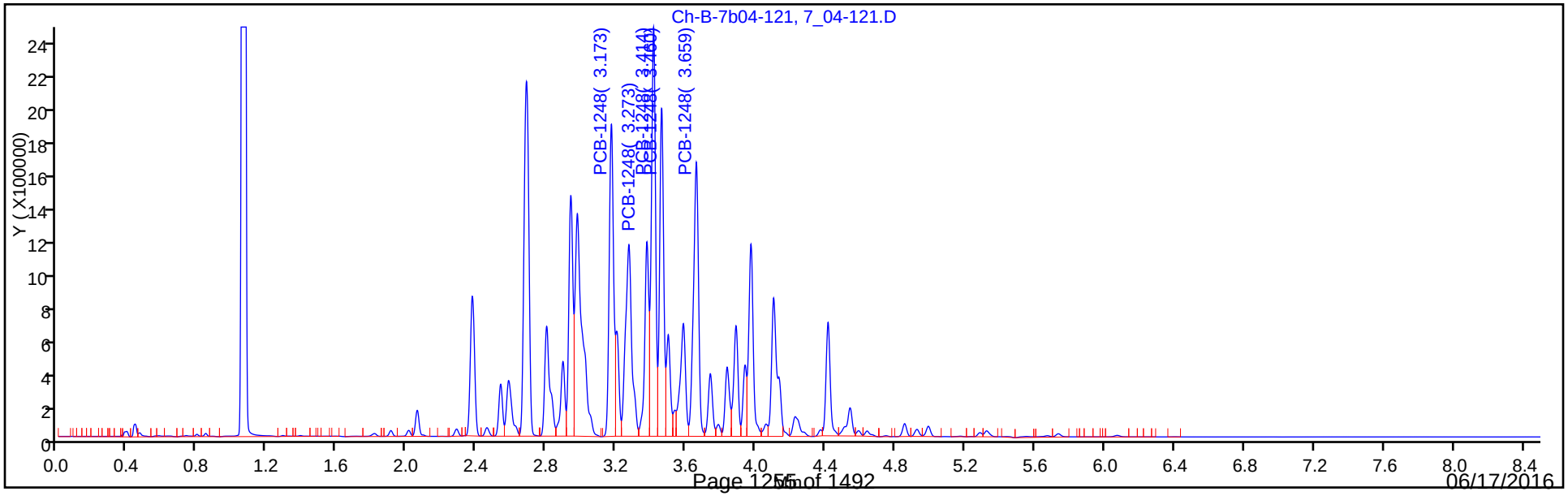
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-121.D

Injection Date:	29-Apr-2016 00:30:39	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-122.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 29-Apr-2016 00:49:28 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:32 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:33:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	14140337	0.5000	0.5000	
2	1.064	1.064	0.000	22728709	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.433	3.433	-0.001	623500	0.5000	0.5000	
1	3.533	3.534	-0.001	483710	0.5000	0.5000	
1	3.738	3.738	0.000	758203	0.5000	0.5000	
1	3.774	3.775	-0.001	569275	0.5000	0.5000	
1	3.917	3.917	0.000	485845	0.5000	0.5000	
		Average of Peak Amounts =				0.5000	
2	3.171	3.172	-0.001	855915	0.5000	0.5000	
2	3.273	3.272	0.000	755317	0.5000	0.5000	M
2	3.413	3.414	-0.002	1093747	0.5000	0.5000	M
2	3.460	3.461	-0.001	828414	0.5000	0.5000	M
2	3.658	3.659	-0.001	847730	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00003 Amount Added: 0.25 Units: mL

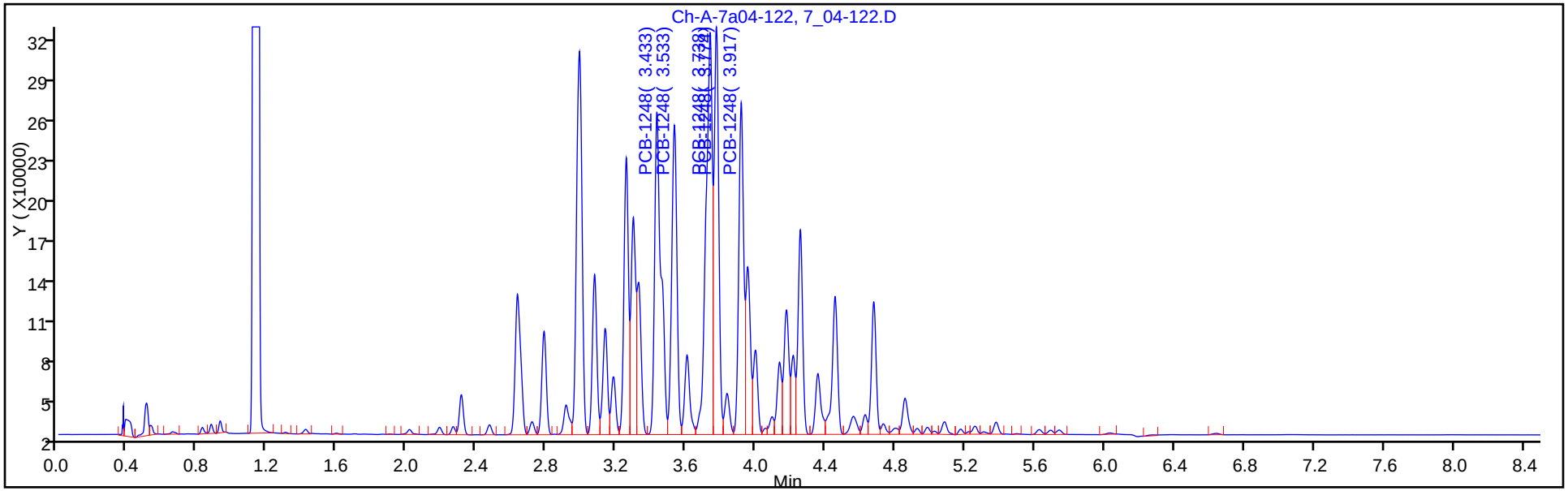
Report Date: 29-Apr-2016 01:45:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

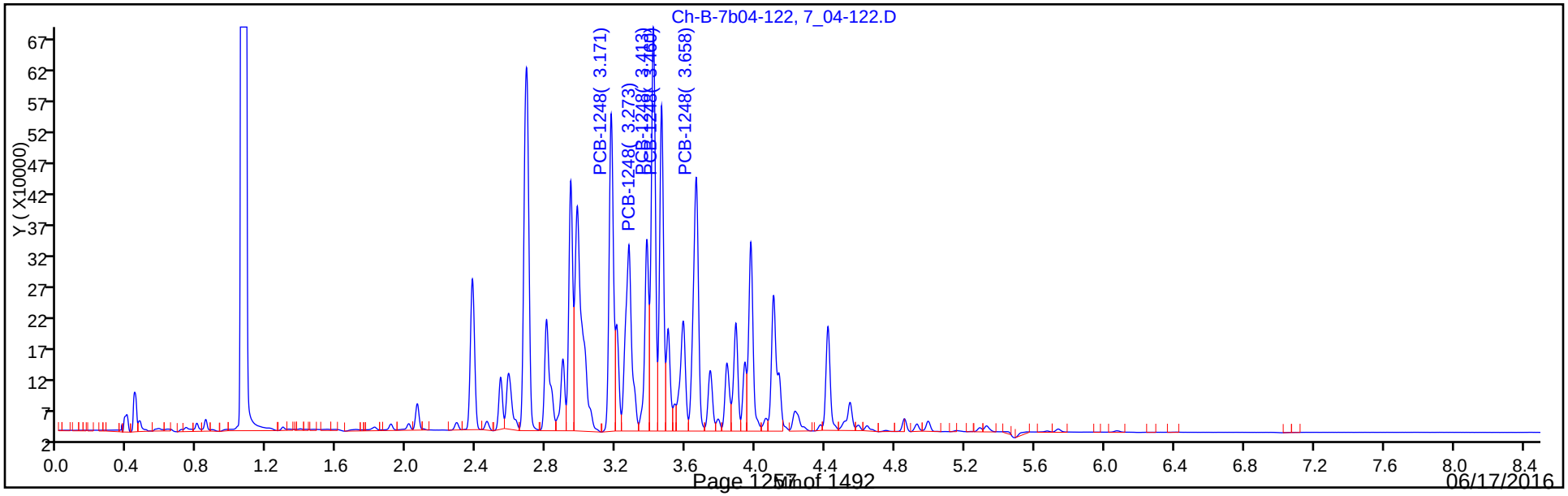
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-122.D

Injection Date:	29-Apr-2016 00:49:28	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:45:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-122.D

Injection Date: 29-Apr-2016 00:49:28 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

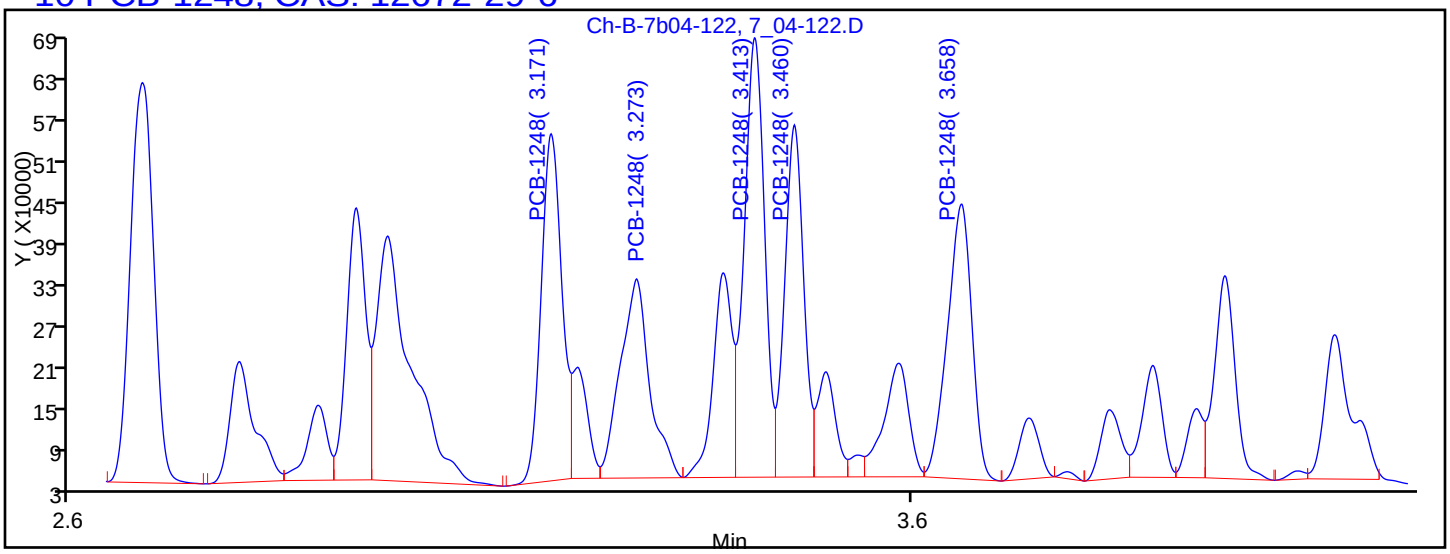
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

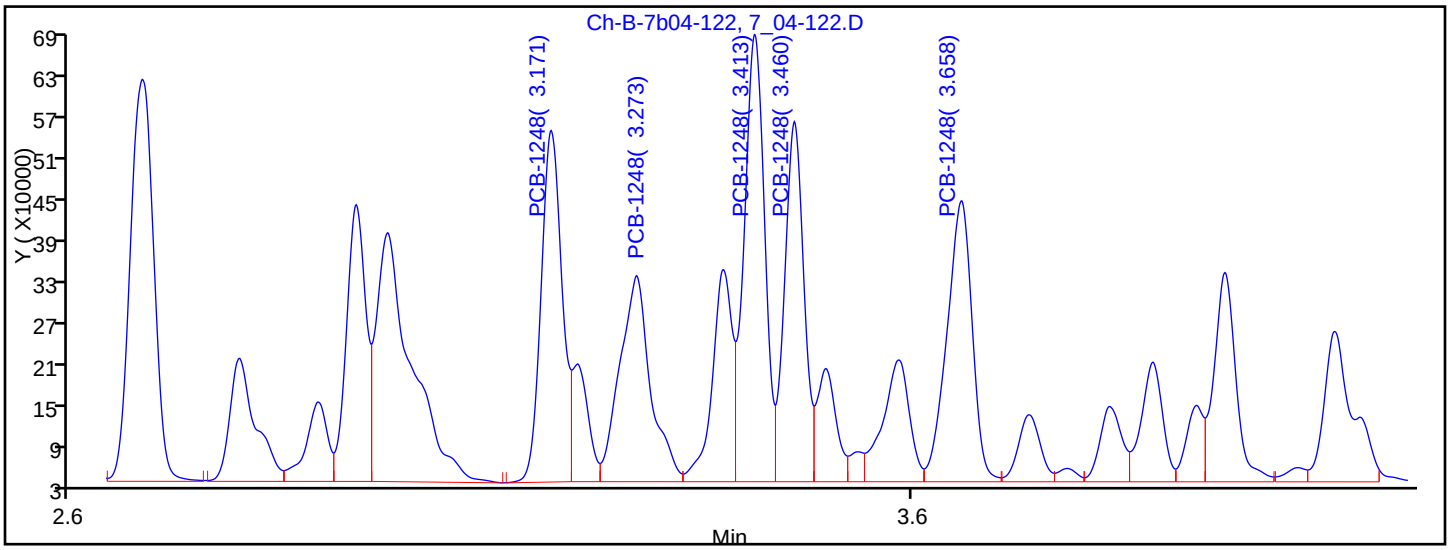
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 3.171	Response = 855915	
RT = 3.273	Response = 695706	M
RT = 3.413	Response = 1061765	M
RT = 3.460	Response = 796911	M
RT = 3.658	Response = 799203	M



Manual Integration Results

RT = 3.171	Response = 855915	
RT = 3.273	Response = 755317	M
RT = 3.413	Response = 1093747	M
RT = 3.460	Response = 828414	M
RT = 3.658	Response = 847730	M

Reviewer: sobolk, 29-Apr-2016 01:33:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 29-Apr-2016 01:08:20 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 29-Apr-2016 01:45:35 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: sobolk Date: 29-Apr-2016 01:36:18

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.134	1.134	0.000	13750202	0.5000	0.5000	
2	1.063	1.063	0.000	22113144	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.433	3.433	0.000	32892	0.0200	0.0271	M
1	3.534	3.534	0.000	24971	0.0200	0.0265	M
1	3.738	3.738	0.000	39040	0.0200	0.0265	M
1	3.775	3.775	0.000	29523	0.0200	0.0267	M
1	3.917	3.917	0.000	23739	0.0200	0.0251	
		Average of Peak Amounts =				0.0264	
2	3.172	3.172	0.000	45374	0.0200	0.0272	M
2	3.272	3.272	0.000	38619	0.0200	0.0263	M
2	3.414	3.414	0.000	50307	0.0200	0.0236	M
2	3.461	3.461	0.000	38370	0.0200	0.0238	M
2	3.659	3.659	0.000	41209	0.0200	0.0250	M
		Average of Peak Amounts =				0.0252	
						RPD = 4.65	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00003 Amount Added: 0.25 Units: mL

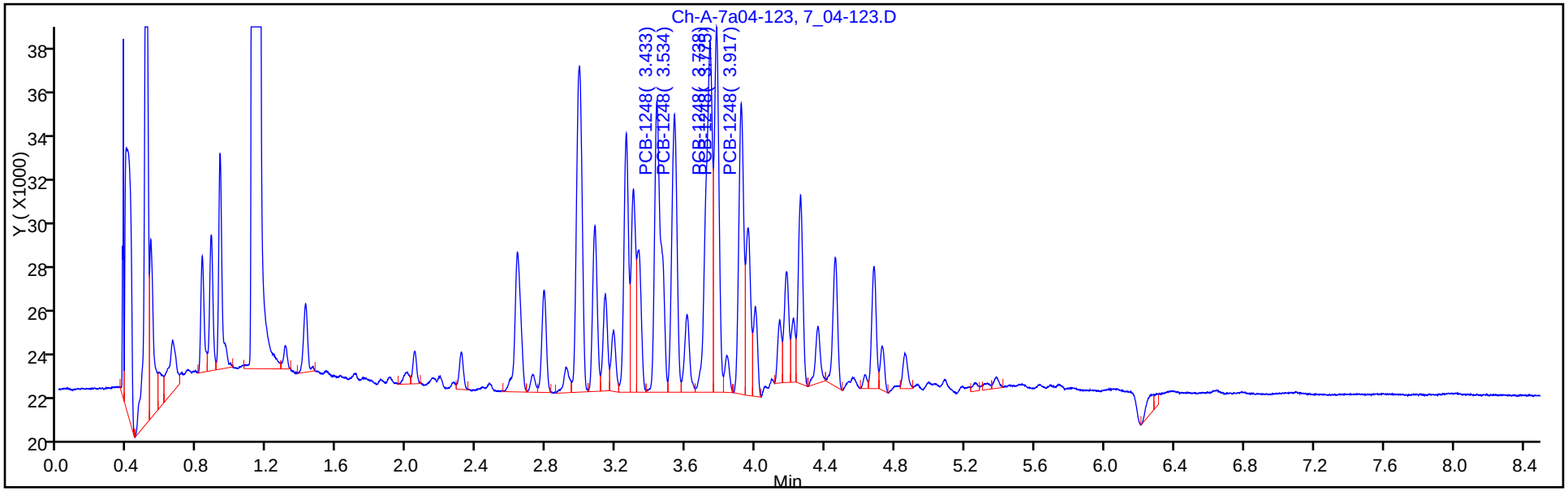
Report Date: 29-Apr-2016 01:45:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

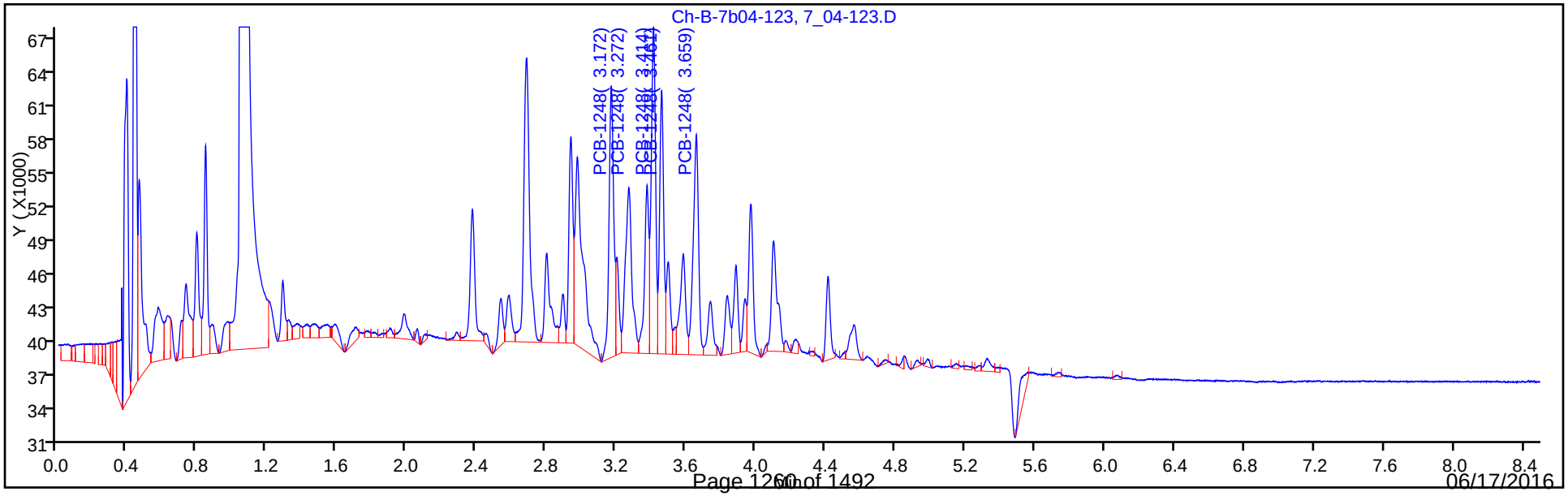
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Injection Date:	29-Apr-2016 01:08:20	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 29-Apr-2016 01:45:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Injection Date: 29-Apr-2016 01:08:20 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

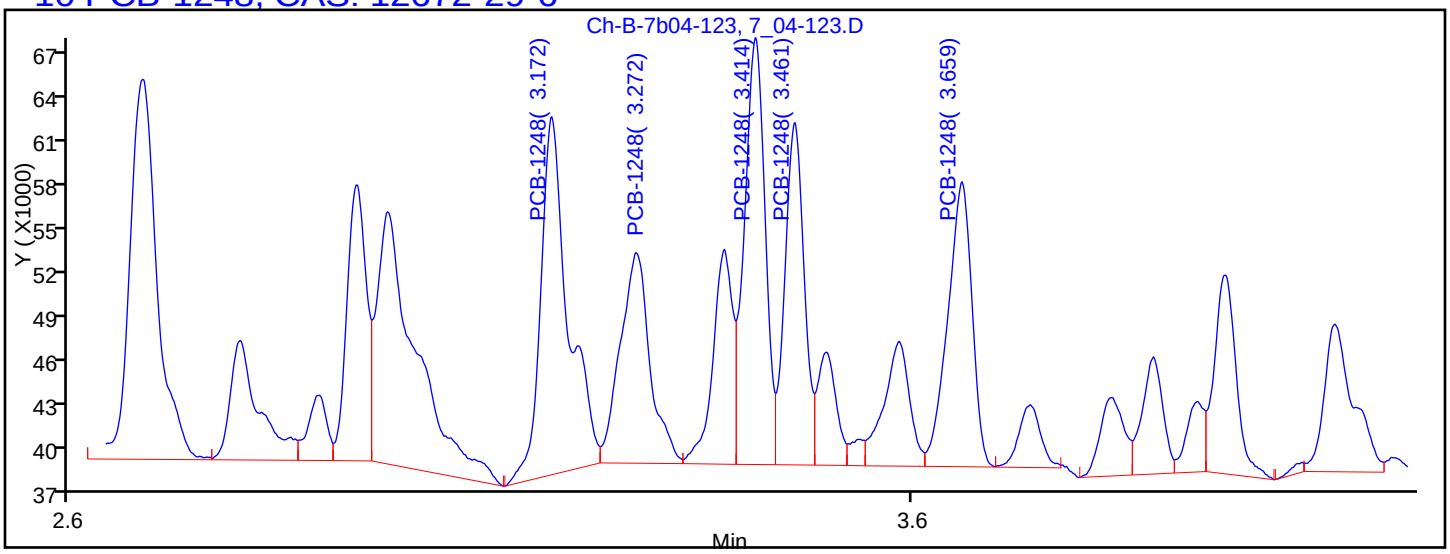
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

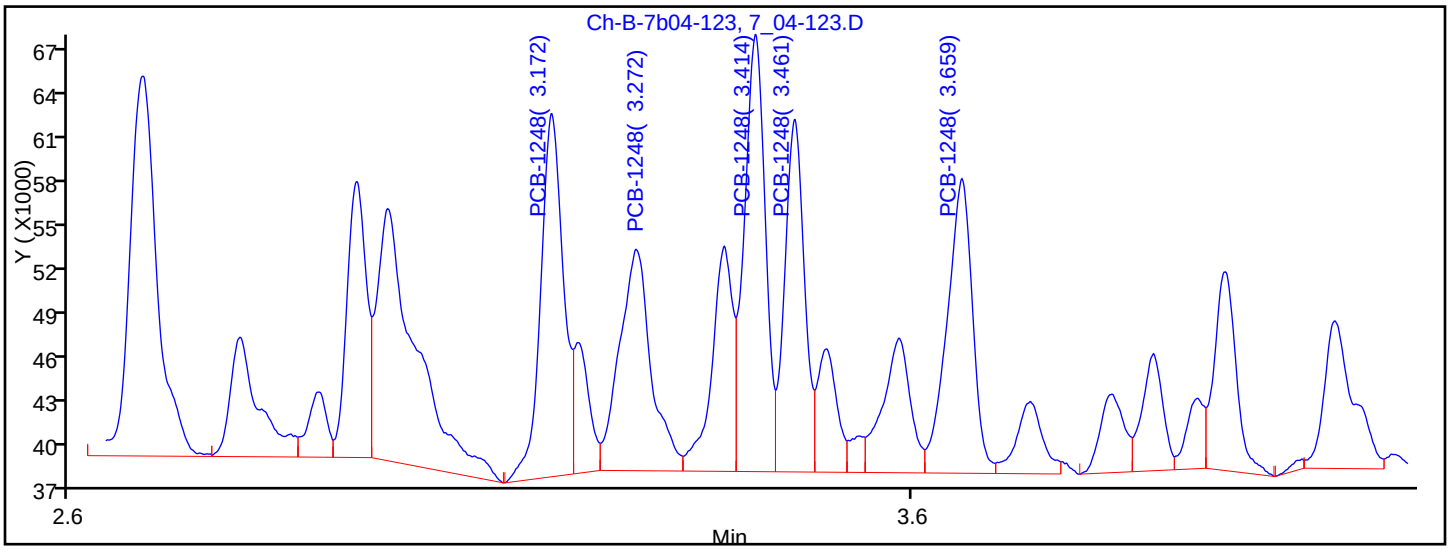
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 3.172	Response = 53642	M
RT = 3.272	Response = 34409	M
RT = 3.414	Response = 48378	M
RT = 3.461	Response = 36452	M
RT = 3.659	Response = 37924	M



Manual Integration Results

RT = 3.172	Response = 45374	M
RT = 3.272	Response = 38619	M
RT = 3.414	Response = 50307	M
RT = 3.461	Response = 38370	M
RT = 3.659	Response = 41209	M

Reviewer: sobolk, 29-Apr-2016 01:36:18

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305722/4 Calibration Date: 06/08/2016 16:11

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_310.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0320	0.0265		0.414	0.500	-17.1	20.0
PCB-1016 Peak 2	Ave	0.0339	0.0330		0.486	0.500	-2.8	20.0
PCB-1016 Peak 3	Ave	0.0953	0.0927		0.486	0.500	-2.7	20.0
PCB-1016 Peak 4	Ave	0.0412	0.0382		0.463	0.500	-7.3	20.0
PCB-1016 Peak 5	Ave	0.0268	0.0247		0.460	0.500	-8.0	20.0
PCB-1260 Peak 1	Ave	0.0896	0.0898		0.501	0.500	0.1	20.0
PCB-1260 Peak 2	Ave	0.0509	0.0478		0.469	0.500	-6.2	20.0
PCB-1260 Peak 3	Ave	0.0451	0.0441		0.489	0.500	-2.2	20.0
PCB-1260 Peak 4	Ave	0.1373	0.1238		0.451	0.500	-9.8	20.0
PCB-1260 Peak 5	Ave	0.0587	0.0554		0.472	0.500	-5.6	20.0
Tetrachloro-m-xylene	Ave	1.146	0.9913		0.0259	0.0300	-13.5	20.0
DCB Decachlorobiphenyl	Ave	1.711	1.489		0.0261	0.0300	-13.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305722/4 Calibration Date: 06/08/2016 16:11

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_310.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.80	1.77	1.83
PCB-1016 Peak 2	2.13	2.10	2.16
PCB-1016 Peak 3	2.28	2.25	2.31
PCB-1016 Peak 4	2.34	2.31	2.37
PCB-1016 Peak 5	2.39	2.36	2.42
PCB-1260 Peak 1	3.90	3.87	3.93
PCB-1260 Peak 2	4.02	3.99	4.05
PCB-1260 Peak 3	4.20	4.17	4.23
PCB-1260 Peak 4	4.39	4.36	4.42
PCB-1260 Peak 5	4.62	4.59	4.65
Tetrachloro-m-xylene	1.63	1.60	1.66
DCB Decachlorobiphenyl	5.58	5.52	5.64

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_310.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Jun-2016 16:11:09 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:39:54 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 16:34:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.157	1.157	0.000	1446737	0.5000	0.5000	
2	1.605	1.605	0.000	1152726	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.627	1.627	0.000	86051	0.0300	0.0259	
2	2.194	2.194	0.000	61304	0.0300	0.0312	
						RPD = 18.56	
9 PCB-1016							M
1	1.797	1.797	0.000	38300	0.5000	0.4143	
1	2.128	2.128	0.000	47701	0.5000	0.4862	M
1	2.277	2.277	0.000	134091	0.5000	0.4863	M
1	2.344	2.344	0.000	55250	0.5000	0.4634	M
1	2.389	2.389	0.000	35676	0.5000	0.4598	M
		Average of Peak Amounts =				0.4620	
2	2.609	2.609	0.000	26816	0.5000	0.4352	M
2	2.931	2.931	0.000	56236	0.5000	0.4617	M
2	3.143	3.143	0.000	32266	0.5000	0.4647	M
2	3.238	3.238	0.000	97343	0.5000	0.4748	M
2	3.360	3.360	0.000	39380	0.5000	0.4605	M
		Average of Peak Amounts =				0.4594	
						RPD = 0.57	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	3.895	3.895	0.000	129857	0.5000	0.5007	a
1	4.021	4.021	0.000	69104	0.5000	0.4688	a
1	4.197	4.197	0.000	63850	0.5000	0.4888	a
1	4.391	4.391	0.000	179101	0.5000	0.4510	a
1	4.615	4.615	0.000	80150	0.5000	0.4718	a
		Average of Peak Amounts =				0.4762	
2	5.122	5.122	0.000	66828	0.5000	0.4692	a
2	5.443	5.443	0.000	55508	0.5000	0.4991	a
2	5.509	5.509	0.000	44366	0.5000	0.4706	a
2	5.572	5.572	0.000	155128	0.5000	0.4883	a
2	5.949	5.949	0.000	97583	0.5000	0.4627	a
		Average of Peak Amounts =				0.4780	
						RPD = 0.37	
2 1260 Res 1							
1	4.615	4.615	0.000	80150	NC	NC	
2	5.443	5.443	0.000	55508	NC	NC	
4 1260 Res 2							
1	4.678	4.678	0.000	38972	NC	NC	a
2	5.509	5.509	0.000	44366	NC	NC	a
3 1260 Res 3							
1	4.717	4.717	0.000	64355	NC	NC	a
2	5.572	5.572	0.000	155128	NC	NC	a
$ 15 DCB Decachlorobiphenyl							
1	5.578	5.578	0.000	129284	0.0300	0.0261	
2	7.235	7.235	0.000	107344	0.0300	0.0279	
						RPD = 6.45	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

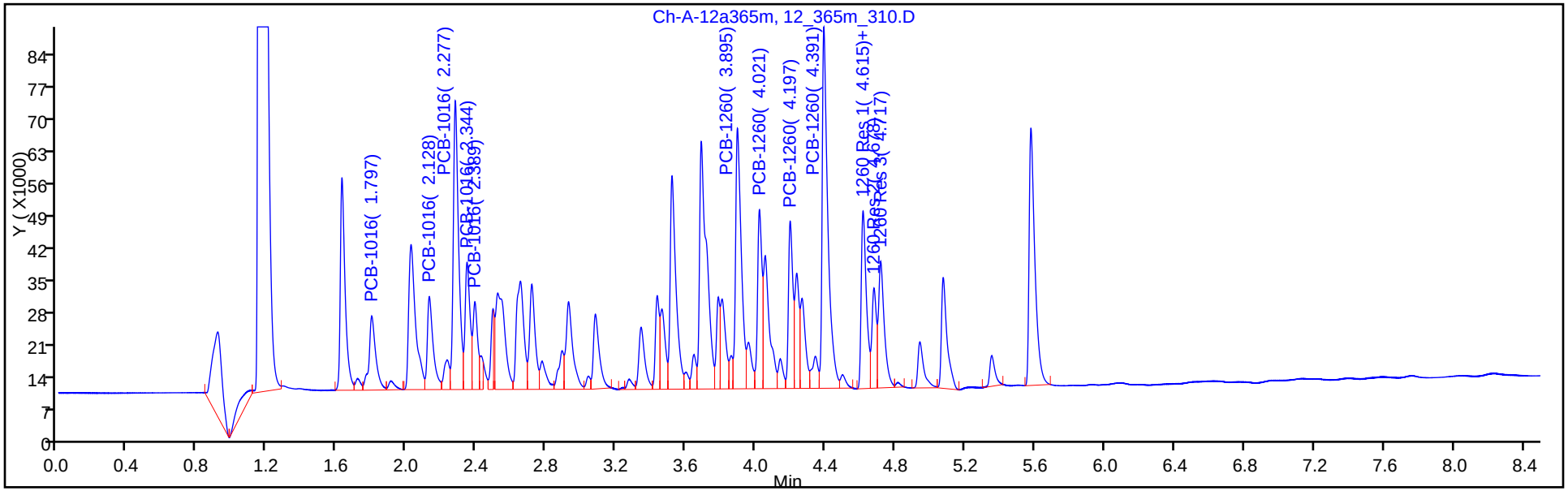
Report Date: 08-Jun-2016 18:39:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

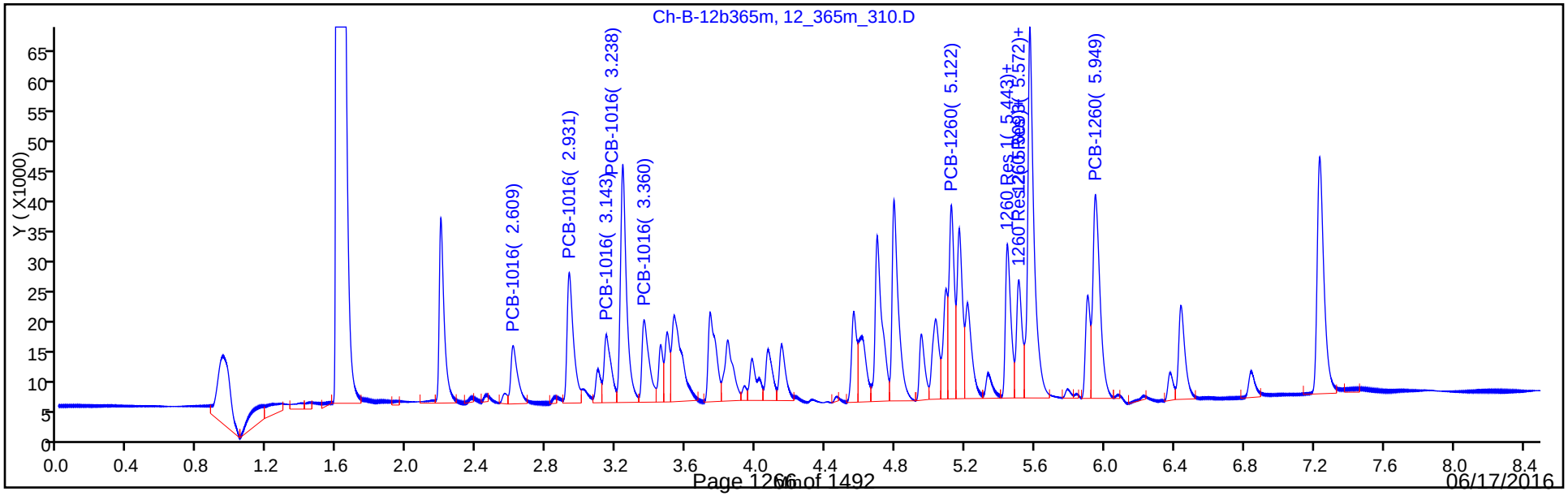
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_310.D

Injection Date:	08-Jun-2016 16:11:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 08-Jun-2016 18:40:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_310.D

Injection Date: 08-Jun-2016 16:11:09 Instrument ID: HP5890-12

Lims ID: CCVIS

Client ID:

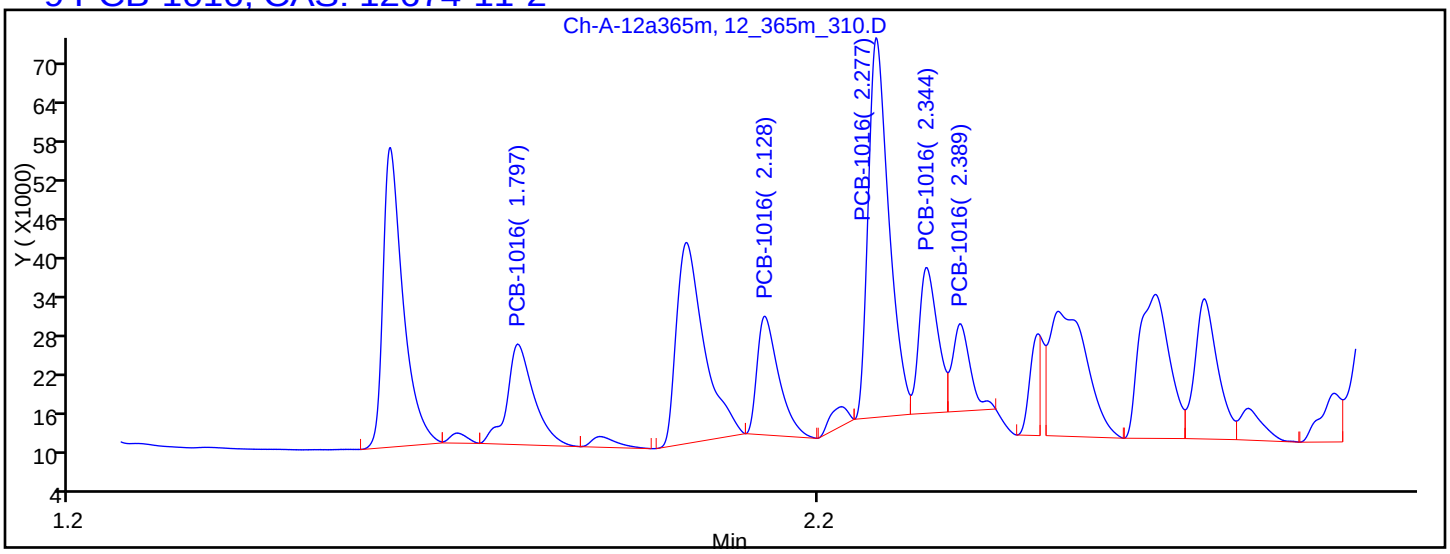
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

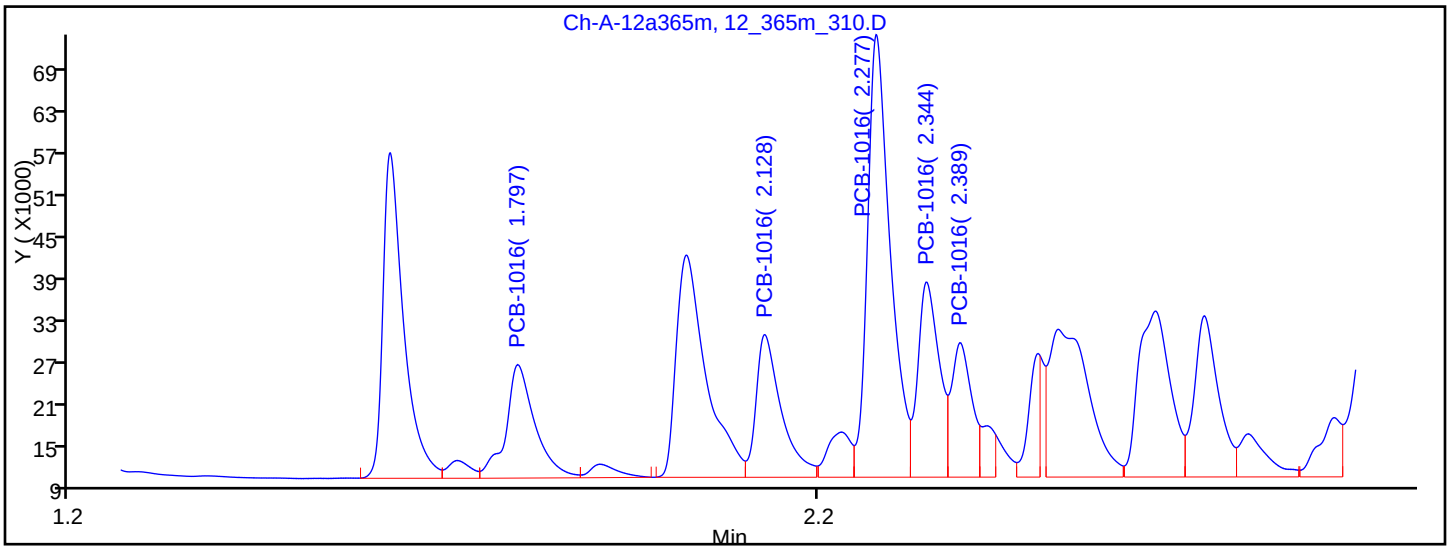
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.797	Response = 38300	
RT = 2.128	Response = 36621	M
RT = 2.277	Response = 112072	M
RT = 2.344	Response = 38955	M
RT = 2.389	Response = 22287	M



Manual Integration Results

RT = 1.797	Response = 38300	
RT = 2.128	Response = 47701	M
RT = 2.277	Response = 134091	M
RT = 2.344	Response = 55250	M
RT = 2.389	Response = 35676	M

Reviewer: sobolk, 08-Jun-2016 16:34:32

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305722/4 Calibration Date: 06/08/2016 16:11

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_310.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0267	0.0233		0.435	0.500	-13.0	20.0
PCB-1016 Peak 2	Ave	0.0528	0.0488		0.462	0.500	-7.7	20.0
PCB-1016 Peak 3	Ave	0.0301	0.0280		0.465	0.500	-7.1	20.0
PCB-1016 Peak 4	Ave	0.0889	0.0845		0.475	0.500	-5.0	20.0
PCB-1016 Peak 5	Ave	0.0371	0.0342		0.460	0.500	-7.9	20.0
PCB-1260 Peak 1	Ave	0.0618	0.0580		0.469	0.500	-6.2	20.0
PCB-1260 Peak 2	Ave	0.0482	0.0482		0.499	0.500	-0.2	20.0
PCB-1260 Peak 3	Ave	0.0409	0.0385		0.471	0.500	-5.9	20.0
PCB-1260 Peak 4	Ave	0.1378	0.1346		0.488	0.500	-2.3	20.0
PCB-1260 Peak 5	Ave	0.0915	0.0847		0.463	0.500	-7.5	20.0
Tetrachloro-m-xylene	Ave	0.8510	0.8864		0.0312	0.0300	4.2	20.0
DCB Decachlorobiphenyl	Ave	1.672	1.552		0.0279	0.0300	-7.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305722/4 Calibration Date: 06/08/2016 16:11

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_310.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.61	2.58	2.64
PCB-1016 Peak 2	2.93	2.90	2.96
PCB-1016 Peak 3	3.14	3.11	3.17
PCB-1016 Peak 4	3.24	3.21	3.27
PCB-1016 Peak 5	3.36	3.33	3.39
PCB-1260 Peak 1	5.12	5.09	5.15
PCB-1260 Peak 2	5.44	5.41	5.47
PCB-1260 Peak 3	5.51	5.48	5.54
PCB-1260 Peak 4	5.57	5.54	5.60
PCB-1260 Peak 5	5.95	5.92	5.98
Tetrachloro-m-xylene	2.19	2.16	2.22
DCB Decachlorobiphenyl	7.24	7.18	7.30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_310.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Jun-2016 16:11:09 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:39:54 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 16:34:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.157	1.157	0.000	1446737	0.5000	0.5000	
2	1.605	1.605	0.000	1152726	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.627	1.627	0.000	86051	0.0300	0.0259	
2	2.194	2.194	0.000	61304	0.0300	0.0312	
						RPD = 18.56	
9 PCB-1016							M
1	1.797	1.797	0.000	38300	0.5000	0.4143	
1	2.128	2.128	0.000	47701	0.5000	0.4862	M
1	2.277	2.277	0.000	134091	0.5000	0.4863	M
1	2.344	2.344	0.000	55250	0.5000	0.4634	M
1	2.389	2.389	0.000	35676	0.5000	0.4598	M
		Average of Peak Amounts =				0.4620	
2	2.609	2.609	0.000	26816	0.5000	0.4352	M
2	2.931	2.931	0.000	56236	0.5000	0.4617	M
2	3.143	3.143	0.000	32266	0.5000	0.4647	M
2	3.238	3.238	0.000	97343	0.5000	0.4748	M
2	3.360	3.360	0.000	39380	0.5000	0.4605	M
		Average of Peak Amounts =				0.4594	
						RPD = 0.57	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	3.895	3.895	0.000	129857	0.5000	0.5007	a
1	4.021	4.021	0.000	69104	0.5000	0.4688	a
1	4.197	4.197	0.000	63850	0.5000	0.4888	a
1	4.391	4.391	0.000	179101	0.5000	0.4510	a
1	4.615	4.615	0.000	80150	0.5000	0.4718	a
		Average of Peak Amounts =				0.4762	
2	5.122	5.122	0.000	66828	0.5000	0.4692	a
2	5.443	5.443	0.000	55508	0.5000	0.4991	a
2	5.509	5.509	0.000	44366	0.5000	0.4706	a
2	5.572	5.572	0.000	155128	0.5000	0.4883	a
2	5.949	5.949	0.000	97583	0.5000	0.4627	a
		Average of Peak Amounts =				0.4780	
						RPD = 0.37	
2 1260 Res 1							
1	4.615	4.615	0.000	80150	NC	NC	
2	5.443	5.443	0.000	55508	NC	NC	
4 1260 Res 2							
1	4.678	4.678	0.000	38972	NC	NC	a
2	5.509	5.509	0.000	44366	NC	NC	a
3 1260 Res 3							
1	4.717	4.717	0.000	64355	NC	NC	a
2	5.572	5.572	0.000	155128	NC	NC	a
$ 15 DCB Decachlorobiphenyl							
1	5.578	5.578	0.000	129284	0.0300	0.0261	
2	7.235	7.235	0.000	107344	0.0300	0.0279	
						RPD = 6.45	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

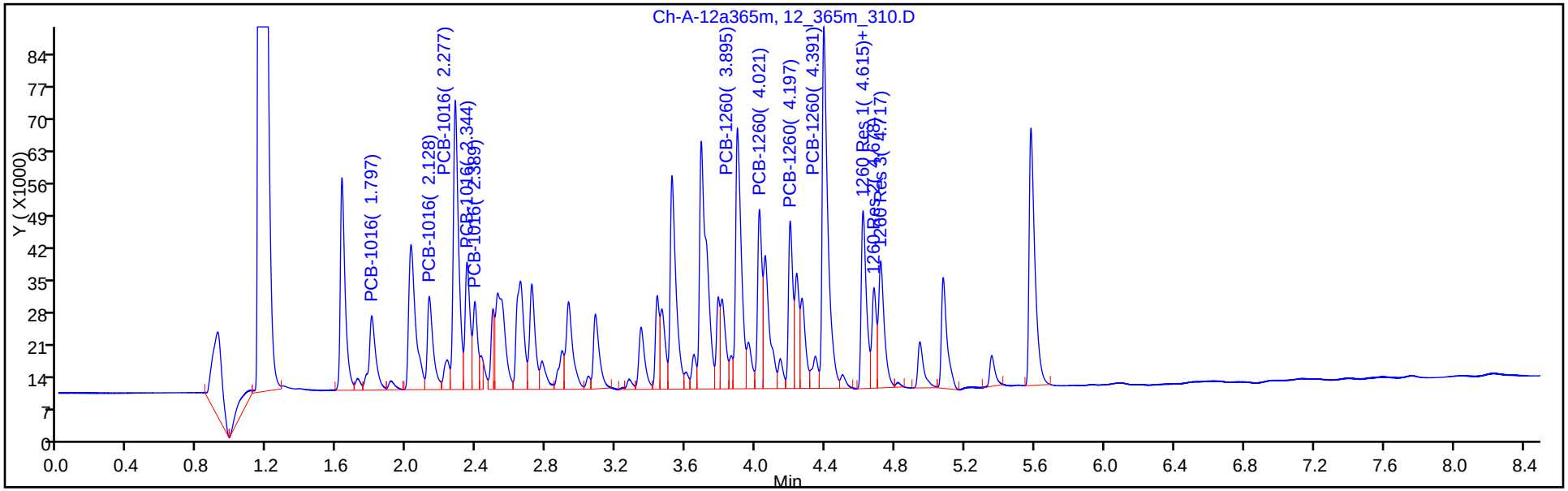
Report Date: 08-Jun-2016 18:40:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

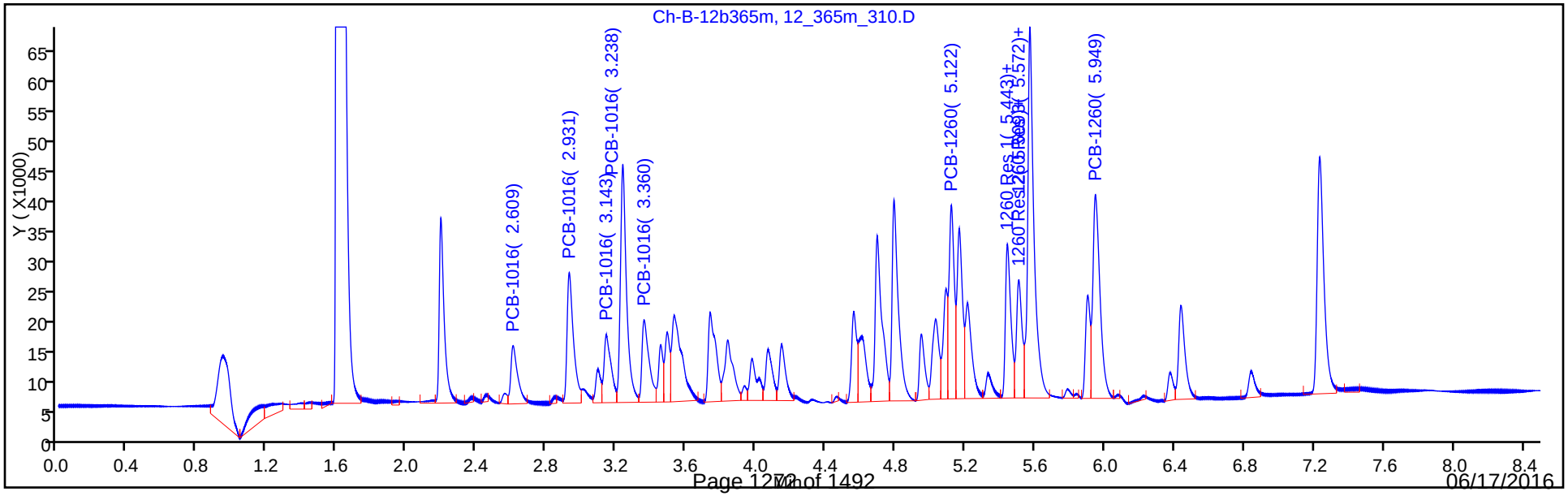
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_310.D

Injection Date:	08-Jun-2016 16:11:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

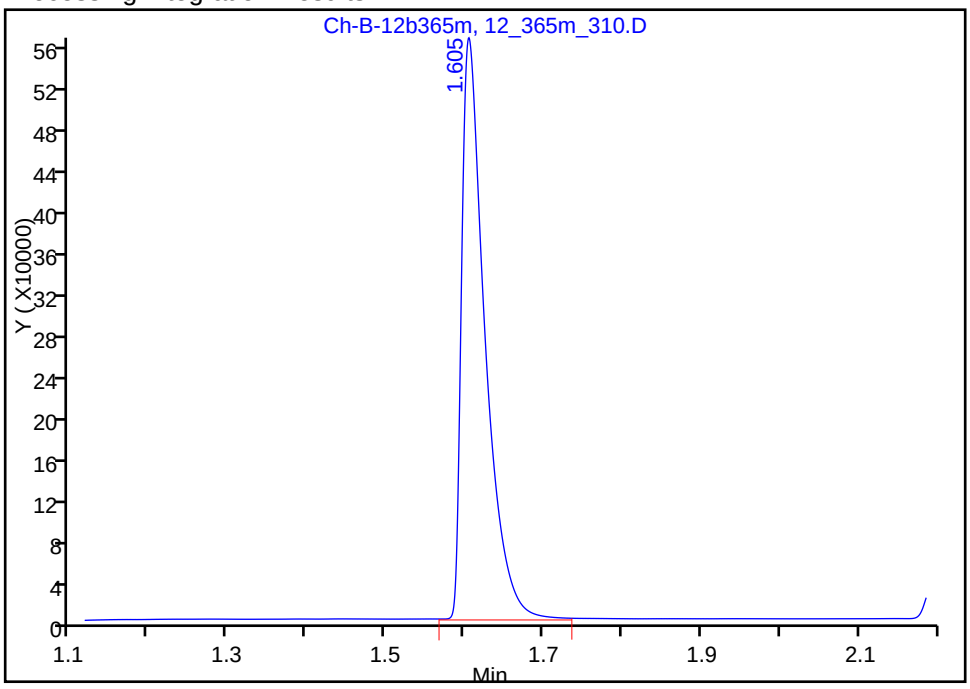
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_310.D
Injection Date: 08-Jun-2016 16:11:09 Instrument ID: HP5890-12
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

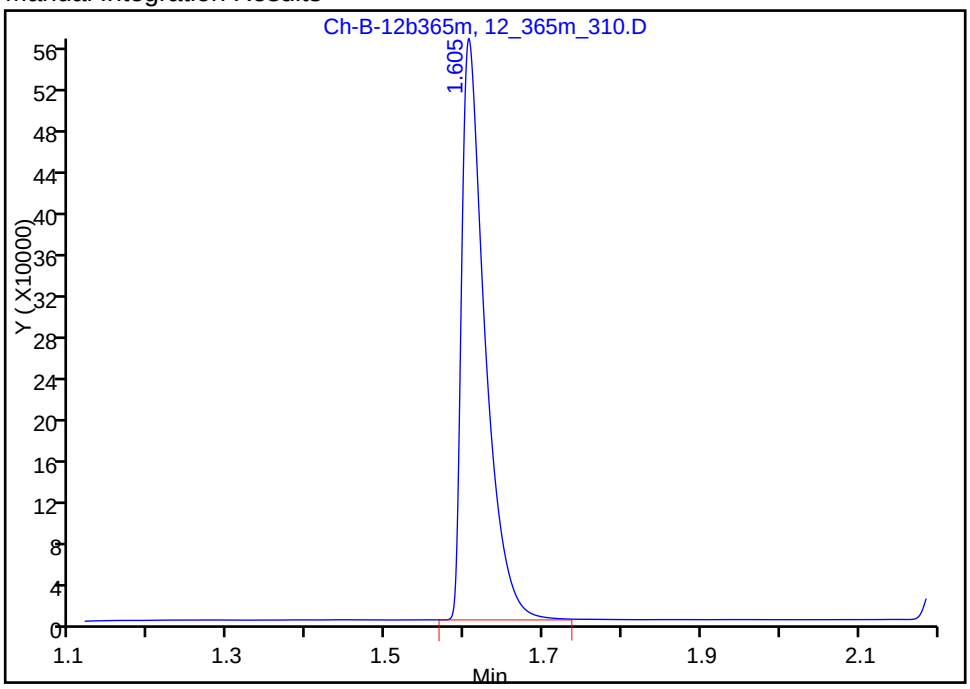
Processing Integration Results

RT: 1.61
Area: 1161510
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.61
Area: 1152726
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 08-Jun-2016 16:34:32
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 08-Jun-2016 18:40:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_310.D

Injection Date: 08-Jun-2016 16:11:09 Instrument ID: HP5890-12

Lims ID: CCVIS

Client ID:

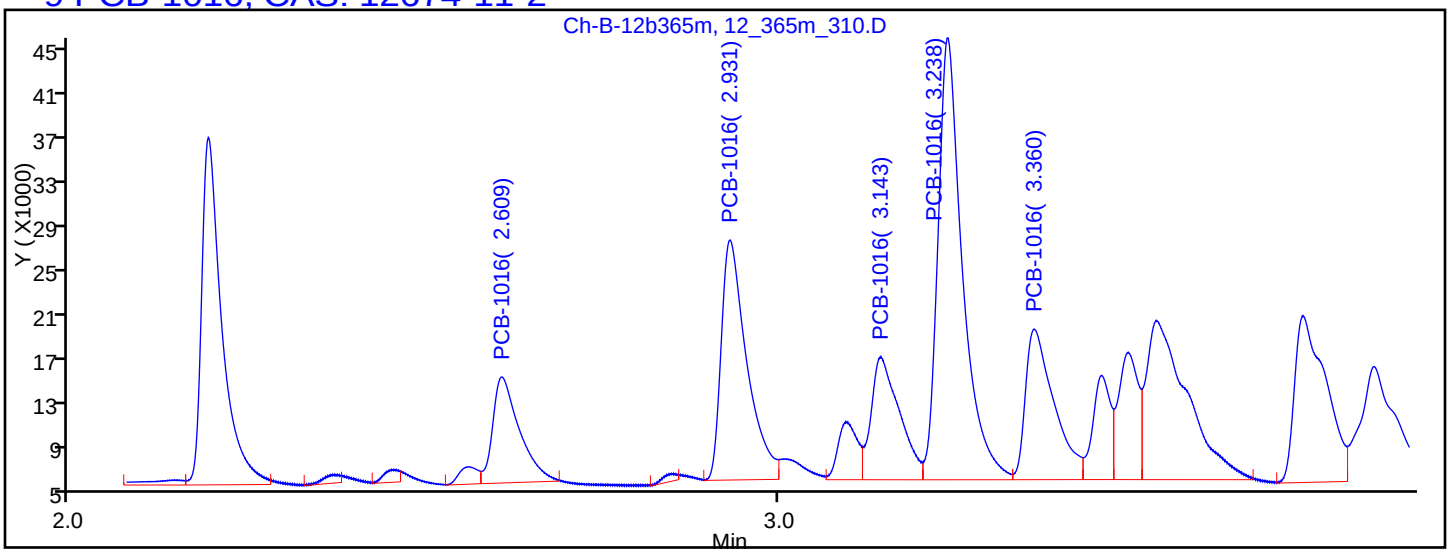
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

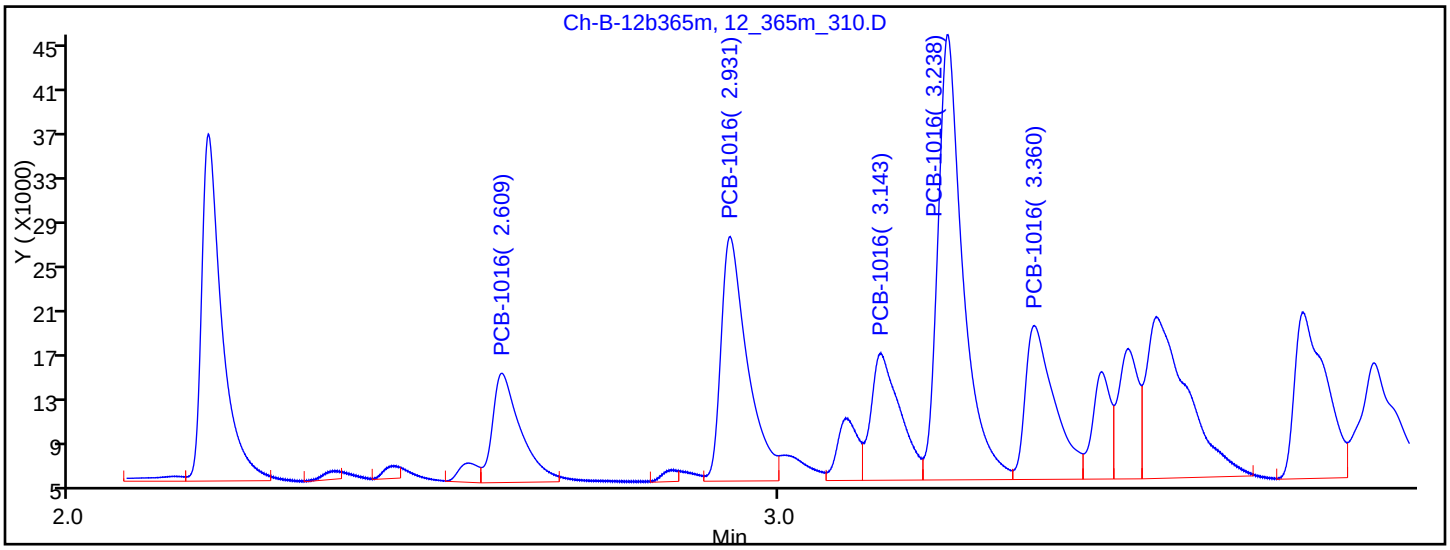
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.609	Response = 24608	M
RT = 2.931	Response = 53438	M
RT = 3.143	Response = 30331	M
RT = 3.238	Response = 94747	M
RT = 3.360	Response = 37521	M



Manual Integration Results

RT = 2.609	Response = 26816	M
RT = 2.931	Response = 56236	M
RT = 3.143	Response = 32266	M
RT = 3.238	Response = 97343	M
RT = 3.360	Response = 39380	M

Reviewer: sobolk, 08-Jun-2016 16:34:32

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305722/25 Calibration Date: 06/08/2016 22:55

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_331.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0320	0.0379		0.593	0.500	18.6	20.0
PCB-1016 Peak 2	Ave	0.0339	0.0414		0.610	0.500	22.0*	20.0
PCB-1016 Peak 3	Ave	0.0953	0.1149		0.603	0.500	20.5*	20.0
PCB-1016 Peak 4	Ave	0.0412	0.0481		0.583	0.500	16.6	20.0
PCB-1016 Peak 5	Ave	0.0268	0.0310		0.577	0.500	15.5	20.0
PCB-1260 Peak 1	Ave	0.0896	0.1152		0.643	0.500	28.5*	20.0
PCB-1260 Peak 2	Ave	0.0509	0.0613		0.601	0.500	20.3*	20.0
PCB-1260 Peak 3	Ave	0.0451	0.0515		0.570	0.500	14.1	20.0
PCB-1260 Peak 4	Ave	0.1373	0.1580		0.576	0.500	15.1	20.0
PCB-1260 Peak 5	Ave	0.0587	0.0702		0.598	0.500	19.6	20.0
Tetrachloro-m-xylene	Ave	1.146	1.266		0.0331	0.0300	10.5	20.0
DCB Decachlorobiphenyl	Ave	1.711	1.867		0.0327	0.0300	9.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305722/25 Calibration Date: 06/08/2016 22:55

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_331.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.80	1.77	1.83
PCB-1016 Peak 2	2.13	2.10	2.16
PCB-1016 Peak 3	2.28	2.25	2.31
PCB-1016 Peak 4	2.35	2.32	2.38
PCB-1016 Peak 5	2.39	2.36	2.42
PCB-1260 Peak 1	3.90	3.87	3.93
PCB-1260 Peak 2	4.02	3.99	4.05
PCB-1260 Peak 3	4.20	4.17	4.23
PCB-1260 Peak 4	4.39	4.36	4.42
PCB-1260 Peak 5	4.62	4.59	4.65
Tetrachloro-m-xylene	1.63	1.60	1.66
DCB Decachlorobiphenyl	5.58	5.52	5.64

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_331.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 22:55:07 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 23:11:41 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 23:11:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.159	1.159	0.000	1146187	0.5000	0.5000	
2	1.606	1.606	0.000	908817	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.631	1.631	0.000	87084	0.0300	0.0331	
2	2.198	2.198	0.000	57449	0.0300	0.0371	
						RPD = 11.40	
9 PCB-1016							M
1	1.802	1.802	0.000	43446	0.5000	0.5931	
1	2.131	2.131	0.000	47426	0.5000	0.6102	
1	2.280	2.280	0.000	131650	0.5000	0.6027	
1	2.347	2.347	0.000	55083	0.5000	0.5831	
1	2.391	2.391	0.000	35488	0.5000	0.5773	M
		Average of Peak Amounts =				0.5933	
2	2.611	2.611	0.000	26093	0.5000	0.5371	M
2	2.932	2.932	0.000	55330	0.5000	0.5762	M
2	3.145	3.145	0.000	31140	0.5000	0.5688	M
2	3.239	3.239	0.000	94922	0.5000	0.5873	M
2	3.362	3.362	0.000	38360	0.5000	0.5689	M
		Average of Peak Amounts =				0.5677	
						RPD = 4.41	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	3.896	3.896	0.000	132030	0.5000	0.6426	
1	4.022	4.022	0.000	70241	0.5000	0.6014	
1	4.199	4.199	0.000	59023	0.5000	0.5703	
1	4.391	4.391	0.000	181123	0.5000	0.5757	
1	4.615	4.615	0.000	80499	0.5000	0.5981	
		Average of Peak Amounts =				0.5976	
2	5.123	5.123	0.000	66910	0.5000	0.5958	
2	5.443	5.443	0.000	53123	0.5000	0.6058	
2	5.509	5.509	0.000	42102	0.5000	0.5665	
2	5.572	5.572	0.000	149855	0.5000	0.5983	
2	5.949	5.949	0.000	94944	0.5000	0.5710	
		Average of Peak Amounts =				0.5875	
						RPD = 1.71	
2 1260 Res 1							
1	4.615	4.615	0.000	80499	NC	NC	
2	5.443	5.443	0.000	53123	NC	NC	
4 1260 Res 2							
1	4.678	4.678	0.000	38371	NC	NC	
2	5.509	5.509	0.000	42102	NC	NC	
3 1260 Res 3							
1	4.717	4.717	0.000	66190	NC	NC	
2	5.572	5.572	0.000	149855	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	5.577	5.577	0.000	128374	0.0300	0.0327	
2	7.235	7.235	0.000	101574	0.0300	0.0334	
						RPD = 2.12	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

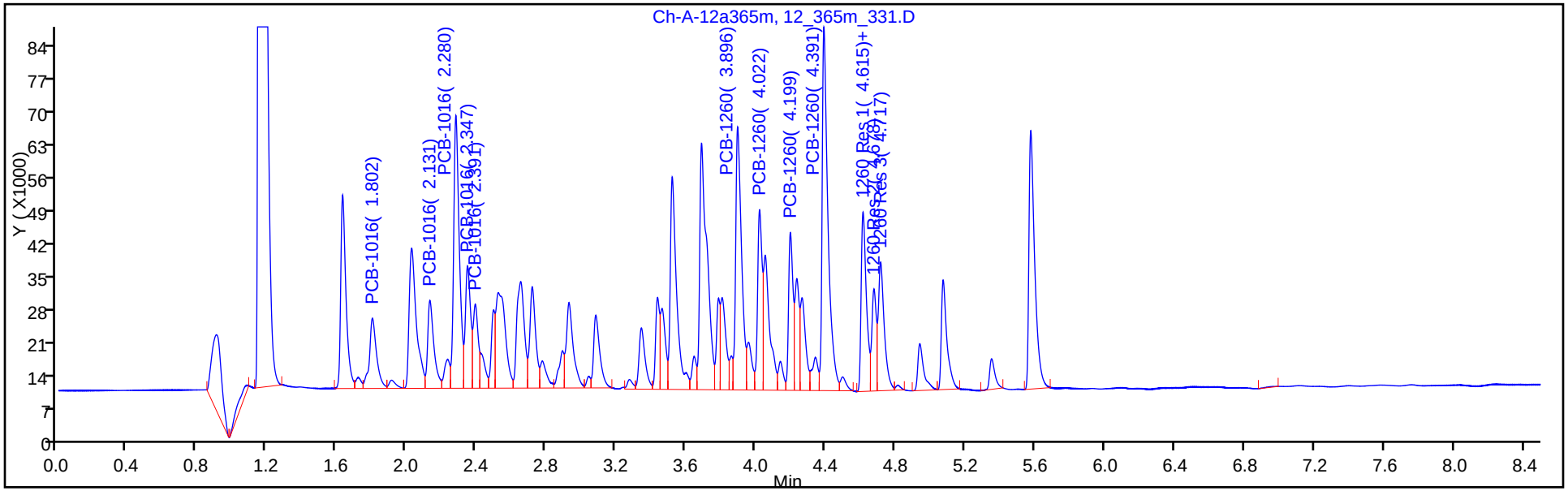
Report Date: 08-Jun-2016 23:11:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

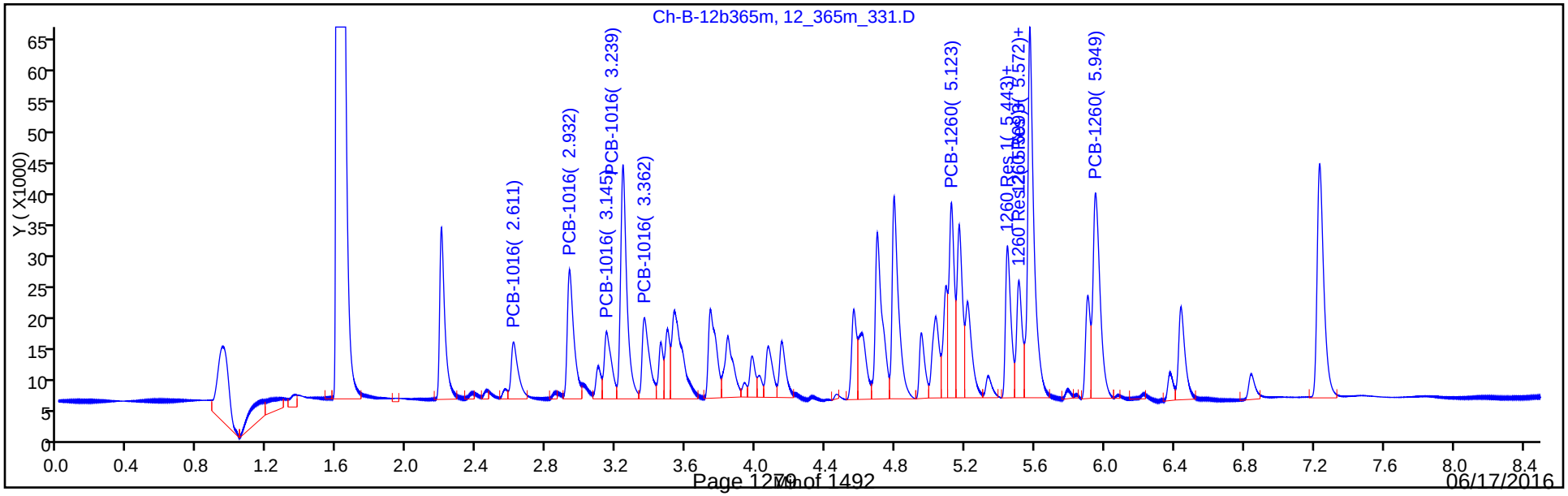
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_331.D

Injection Date:	08-Jun-2016 22:55:07	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



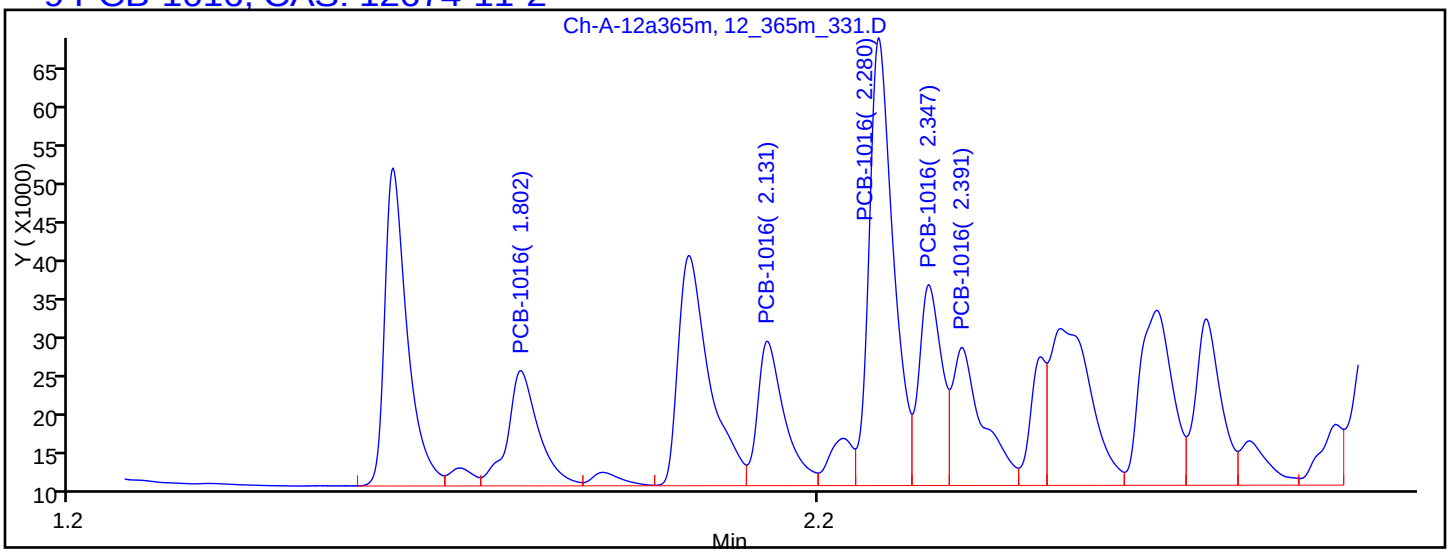
Report Date: 08-Jun-2016 23:11:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_331.D

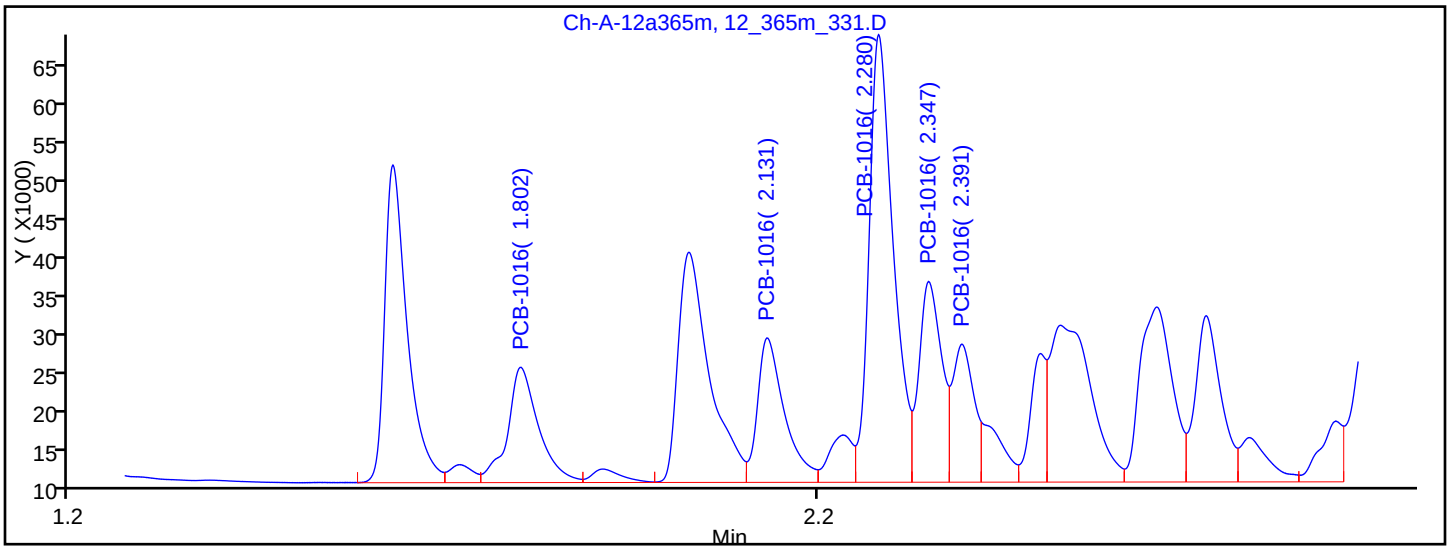
Injection Date:	08-Jun-2016 22:55:07	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.802	Response = 43446	
RT = 2.131	Response = 47426	
RT = 2.280	Response = 131650	
RT = 2.347	Response = 55083	
RT = 2.391	Response = 51135	M



Manual Integration Results

RT = 1.802	Response = 43446	
RT = 2.131	Response = 47426	
RT = 2.280	Response = 131650	
RT = 2.347	Response = 55083	
RT = 2.391	Response = 35488	M

Reviewer: sobolk, 08-Jun-2016 23:11:41

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305722/25 Calibration Date: 06/08/2016 22:55

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_331.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0267	0.0287		0.537	0.500	7.4	20.0
PCB-1016 Peak 2	Ave	0.0528	0.0609		0.576	0.500	15.2	20.0
PCB-1016 Peak 3	Ave	0.0301	0.0343		0.569	0.500	13.8	20.0
PCB-1016 Peak 4	Ave	0.0889	0.1045		0.587	0.500	17.5	20.0
PCB-1016 Peak 5	Ave	0.0371	0.0422		0.569	0.500	13.8	20.0
PCB-1260 Peak 1	Ave	0.0618	0.0736		0.596	0.500	19.2	20.0
PCB-1260 Peak 2	Ave	0.0482	0.0585		0.606	0.500	21.2*	20.0
PCB-1260 Peak 3	Ave	0.0409	0.0463		0.566	0.500	13.3	20.0
PCB-1260 Peak 4	Ave	0.1378	0.1649		0.598	0.500	19.7	20.0
PCB-1260 Peak 5	Ave	0.0915	0.1045		0.571	0.500	14.2	20.0
Tetrachloro-m-xylene	Ave	0.8510	1.054		0.0371	0.0300	23.8*	20.0
DCB Decachlorobiphenyl	Ave	1.672	1.863		0.0334	0.0300	11.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305722/25 Calibration Date: 06/08/2016 22:55

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_365m_331.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.61	2.58	2.64
PCB-1016 Peak 2	2.93	2.90	2.96
PCB-1016 Peak 3	3.15	3.12	3.18
PCB-1016 Peak 4	3.24	3.21	3.27
PCB-1016 Peak 5	3.36	3.33	3.39
PCB-1260 Peak 1	5.12	5.09	5.15
PCB-1260 Peak 2	5.44	5.41	5.47
PCB-1260 Peak 3	5.51	5.48	5.54
PCB-1260 Peak 4	5.57	5.54	5.60
PCB-1260 Peak 5	5.95	5.92	5.98
Tetrachloro-m-xylene	2.20	2.17	2.23
DCB Decachlorobiphenyl	7.24	7.18	7.30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_331.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 22:55:07 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub6

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 23:11:41 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 23:11:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.159	1.159	0.000	1146187	0.5000	0.5000	
2	1.606	1.606	0.000	908817	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.631	1.631	0.000	87084	0.0300	0.0331	
2	2.198	2.198	0.000	57449	0.0300	0.0371	
						RPD = 11.40	
9 PCB-1016							M
1	1.802	1.802	0.000	43446	0.5000	0.5931	
1	2.131	2.131	0.000	47426	0.5000	0.6102	
1	2.280	2.280	0.000	131650	0.5000	0.6027	
1	2.347	2.347	0.000	55083	0.5000	0.5831	
1	2.391	2.391	0.000	35488	0.5000	0.5773	M
		Average of Peak Amounts =				0.5933	
2	2.611	2.611	0.000	26093	0.5000	0.5371	M
2	2.932	2.932	0.000	55330	0.5000	0.5762	M
2	3.145	3.145	0.000	31140	0.5000	0.5688	M
2	3.239	3.239	0.000	94922	0.5000	0.5873	M
2	3.362	3.362	0.000	38360	0.5000	0.5689	M
		Average of Peak Amounts =				0.5677	
						RPD = 4.41	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	3.896	3.896	0.000	132030	0.5000	0.6426	
1	4.022	4.022	0.000	70241	0.5000	0.6014	
1	4.199	4.199	0.000	59023	0.5000	0.5703	
1	4.391	4.391	0.000	181123	0.5000	0.5757	
1	4.615	4.615	0.000	80499	0.5000	0.5981	
		Average of Peak Amounts =				0.5976	
2	5.123	5.123	0.000	66910	0.5000	0.5958	
2	5.443	5.443	0.000	53123	0.5000	0.6058	
2	5.509	5.509	0.000	42102	0.5000	0.5665	
2	5.572	5.572	0.000	149855	0.5000	0.5983	
2	5.949	5.949	0.000	94944	0.5000	0.5710	
		Average of Peak Amounts =				0.5875	
						RPD = 1.71	
2 1260 Res 1							
1	4.615	4.615	0.000	80499	NC	NC	
2	5.443	5.443	0.000	53123	NC	NC	
4 1260 Res 2							
1	4.678	4.678	0.000	38371	NC	NC	
2	5.509	5.509	0.000	42102	NC	NC	
3 1260 Res 3							
1	4.717	4.717	0.000	66190	NC	NC	
2	5.572	5.572	0.000	149855	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	5.577	5.577	0.000	128374	0.0300	0.0327	
2	7.235	7.235	0.000	101574	0.0300	0.0334	
						RPD = 2.12	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

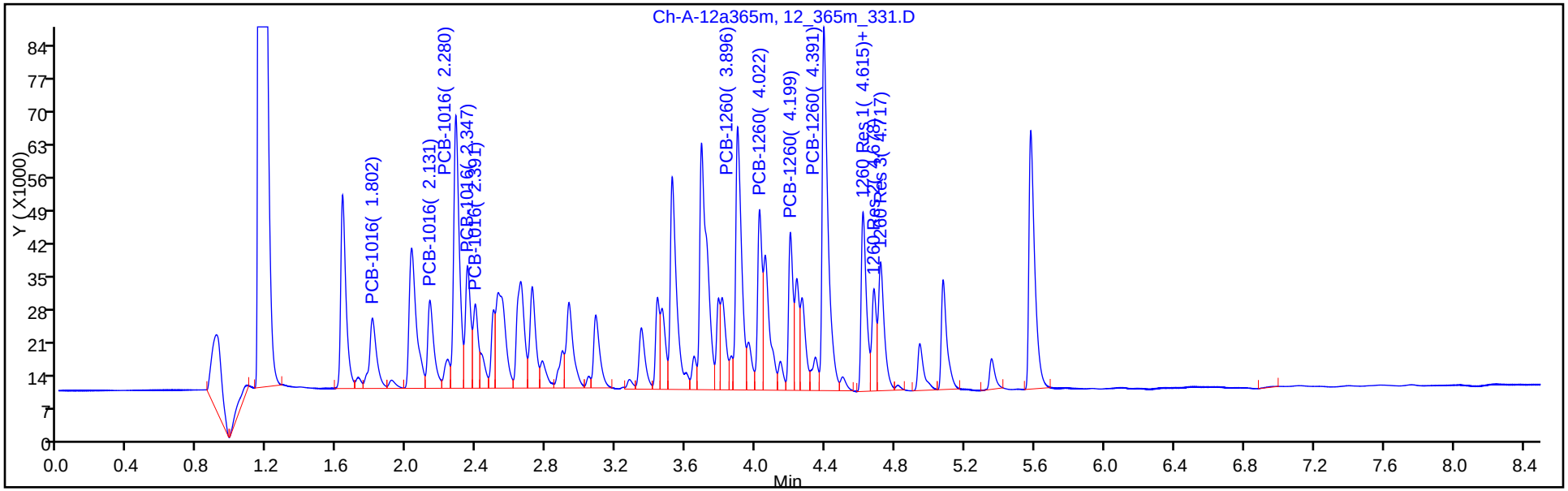
Report Date: 08-Jun-2016 23:11:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

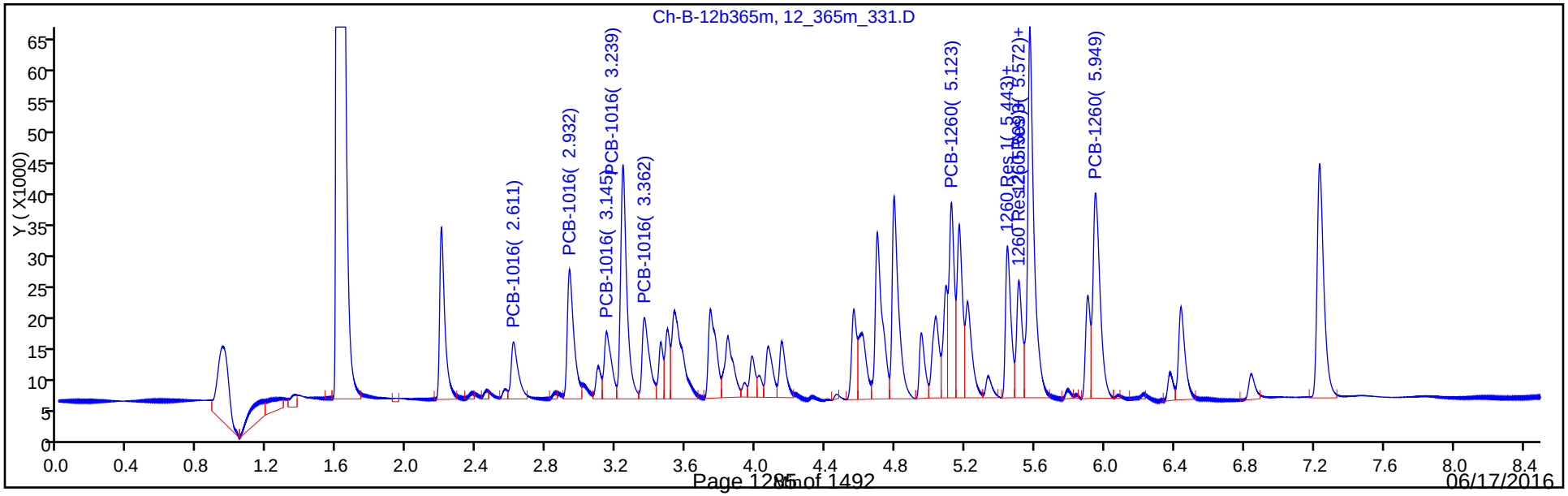
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_331.D

Injection Date:	08-Jun-2016 22:55:07	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

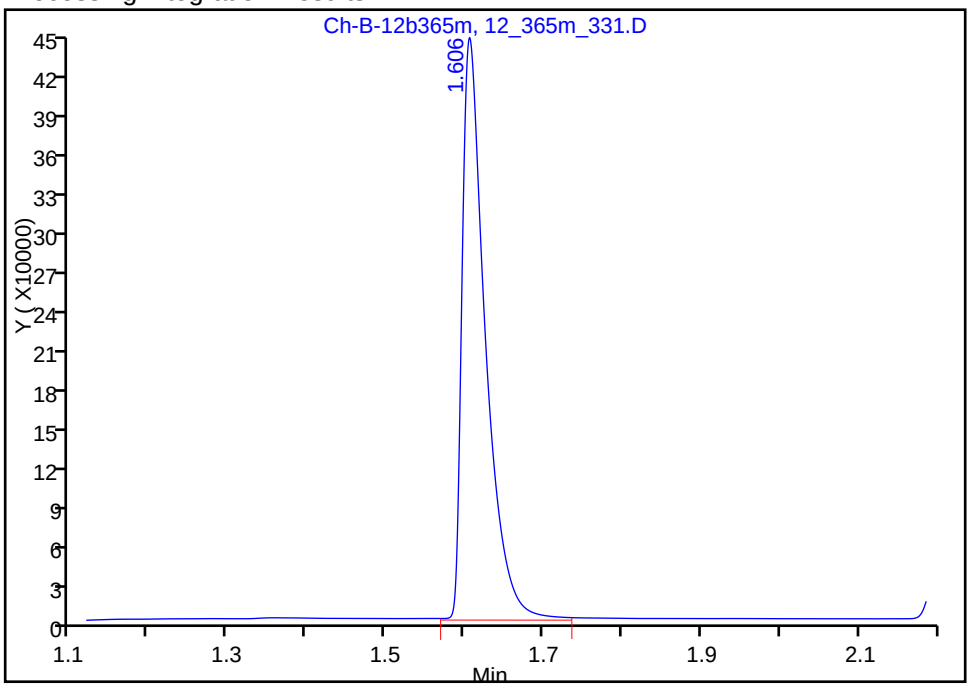
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_331.D				
Injection Date:	08-Jun-2016 22:55:07	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

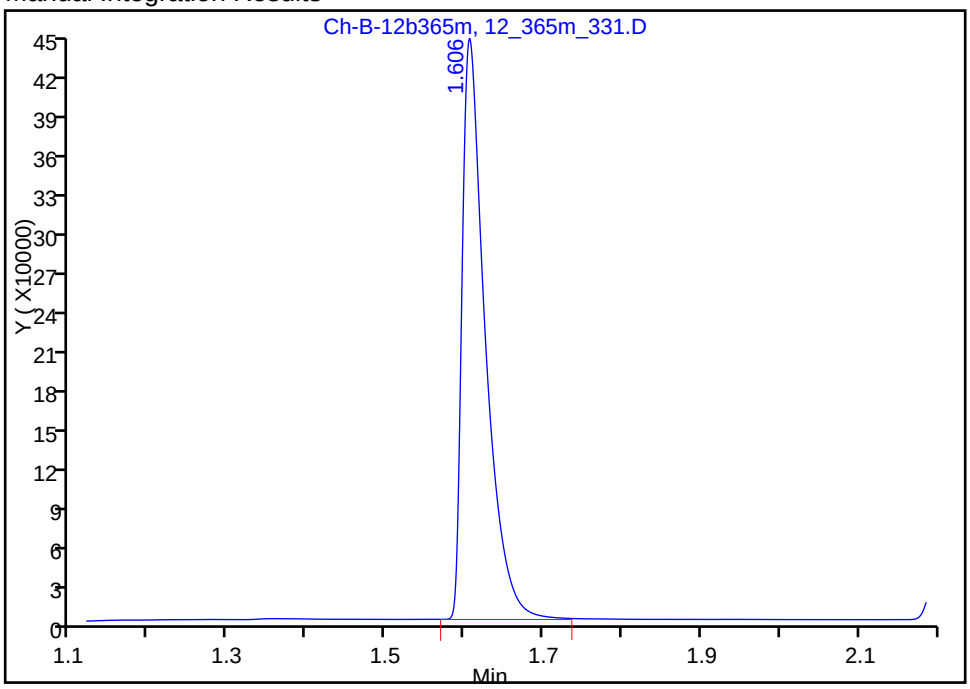
Processing Integration Results

RT: 1.61
Area: 919772
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.61
Area: 908817
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 08-Jun-2016 23:11:41

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 08-Jun-2016 23:11:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_331.D

Injection Date: 08-Jun-2016 22:55:07 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

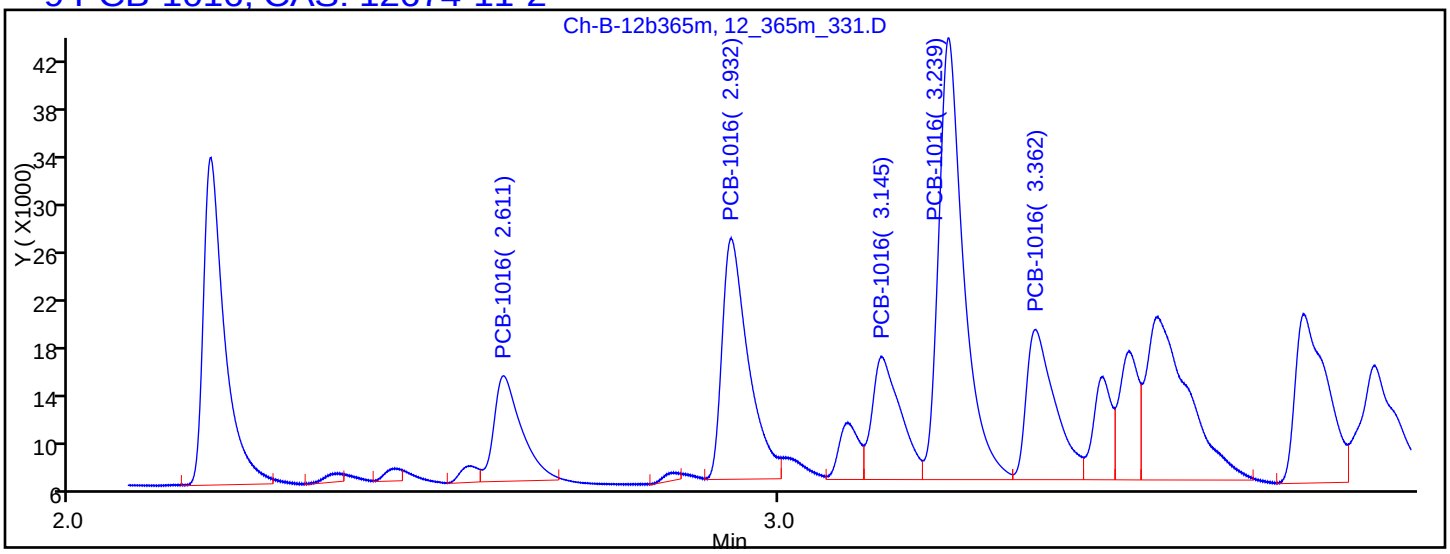
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

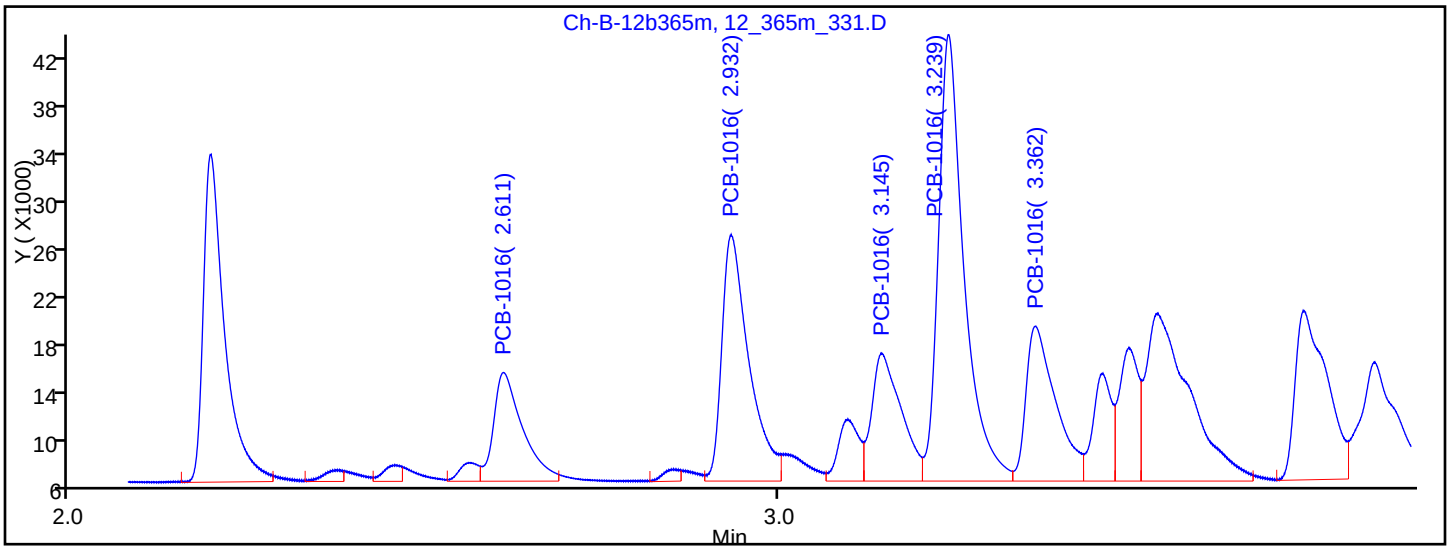
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.611	Response = 24118	M
RT = 2.932	Response = 52488	M
RT = 3.145	Response = 29129	M
RT = 3.239	Response = 91878	M
RT = 3.362	Response = 35987	M



Manual Integration Results

RT = 2.611	Response = 26093	M
RT = 2.932	Response = 55330	M
RT = 3.145	Response = 31140	M
RT = 3.239	Response = 94922	M
RT = 3.362	Response = 38360	M

Reviewer: sobolk, 08-Jun-2016 23:11:41

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305726/4 Calibration Date: 06/08/2016 16:21

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-301.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0453	0.0465		0.514	0.500	2.7	20.0
PCB-1016 Peak 2	Ave	0.0278	0.0288		0.516	0.500	3.2	20.0
PCB-1016 Peak 3	Ave	0.0914	0.0995		0.544	0.500	8.8	20.0
PCB-1016 Peak 4	Ave	0.0362	0.0372		0.514	0.500	2.8	20.0
PCB-1016 Peak 5	Ave	0.0243	0.0257		0.529	0.500	5.7	20.0
PCB-1260 Peak 1	Ave	0.0730	0.0766		0.525	0.500	4.9	20.0
PCB-1260 Peak 2	Ave	0.0419	0.0433		0.516	0.500	3.3	20.0
PCB-1260 Peak 3	Ave	0.0396	0.0409		0.517	0.500	3.4	20.0
PCB-1260 Peak 4	Ave	0.0948	0.1008		0.532	0.500	6.3	20.0
PCB-1260 Peak 5	Ave	0.0468	0.0471		0.503	0.500	0.7	20.0
Tetrachloro-m-xylene	Ave	1.430	1.476		0.0310	0.0300	3.2	20.0
DCB Decachlorobiphenyl	Lin1		0.8145		0.0326	0.0300	8.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305726/4 Calibration Date: 06/08/2016 16:21

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-301.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.60	2.57	2.63
PCB-1016 Peak 2	2.75	2.72	2.78
PCB-1016 Peak 3	2.95	2.92	2.98
PCB-1016 Peak 4	3.04	3.01	3.07
PCB-1016 Peak 5	3.10	3.07	3.13
PCB-1260 Peak 1	4.81	4.78	4.84
PCB-1260 Peak 2	4.94	4.91	4.97
PCB-1260 Peak 3	5.13	5.10	5.16
PCB-1260 Peak 4	5.34	5.31	5.37
PCB-1260 Peak 5	5.58	5.55	5.61
Tetrachloro-m-xylene	2.02	1.99	2.05
DCB Decachlorobiphenyl	6.96	6.90	7.02

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-301.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Jun-2016 16:21:46 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub12

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:17 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 17:11:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.108	1.108	0.000	12330539	0.5000	0.5000	
2	1.039	1.039	0.000	20959387	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.018	2.018	0.000	1091849	0.0300	0.0310	
2	1.633	1.633	0.000	1597051	0.0300	0.0311	
						RPD = 0.45	
9 PCB-1016							
1	2.599	2.599	0.000	573819	0.5000	0.5136	
1	2.750	2.750	0.000	354458	0.5000	0.5162	
1	2.953	2.953	0.000	1226312	0.5000	0.5442	
1	3.037	3.037	0.000	458732	0.5000	0.5140	
1	3.099	3.099	0.000	316458	0.5000	0.5287	
		Average of Peak Amounts =				0.5233	
2	2.343	2.343	0.000	1018686	0.5000	0.5315	
2	2.653	2.653	0.000	2224773	0.5000	0.5278	
2	2.766	2.766	0.000	838205	0.5000	0.5328	
2	2.858	2.858	0.000	508970	0.5000	0.5701	
2	3.135	3.135	0.000	1021134	0.5000	0.5112	
		Average of Peak Amounts =				0.5347	
						RPD = 2.14	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.813	4.813	0.000	944665	0.5000	0.5247	
1	4.941	4.941	0.000	533858	0.5000	0.5164	
1	5.132	5.132	0.000	504700	0.5000	0.5171	
1	5.335	5.335	0.000	1242806	0.5000	0.5315	
1	5.578	5.578	0.000	580541	0.5000	0.5033	
		Average of Peak Amounts =				0.5186	
2	4.500	4.500	0.000	1188261	0.5000	0.5267	
2	4.549	4.549	0.000	1134502	0.5000	0.5631	
2	4.809	4.809	0.000	1061901	0.5000	0.5266	
2	4.947	4.947	0.000	2762328	0.5000	0.5736	
2	5.280	5.280	0.000	1534963	0.5000	0.5436	
		Average of Peak Amounts =				0.5467	
						RPD = 5.28	
2 1260 Res 1							
1	5.578	5.578	0.000	580541	NC	NC	
2	4.877	4.877	0.000	833463	NC	NC	
4 1260 Res 2							
1	5.642	5.642	0.000	265749	NC	NC	
2	4.996	4.996	0.000	48135	NC	NC	
3 1260 Res 3							
1	5.809	5.809	0.000	19909	NC	NC	
2	4.947	4.947	0.000	2762328	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.963	6.963	0.000	602567	0.0300	0.0326	
2	6.340	6.340	0.000	1188080	0.0300	0.0322	
						RPD = 1.38	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

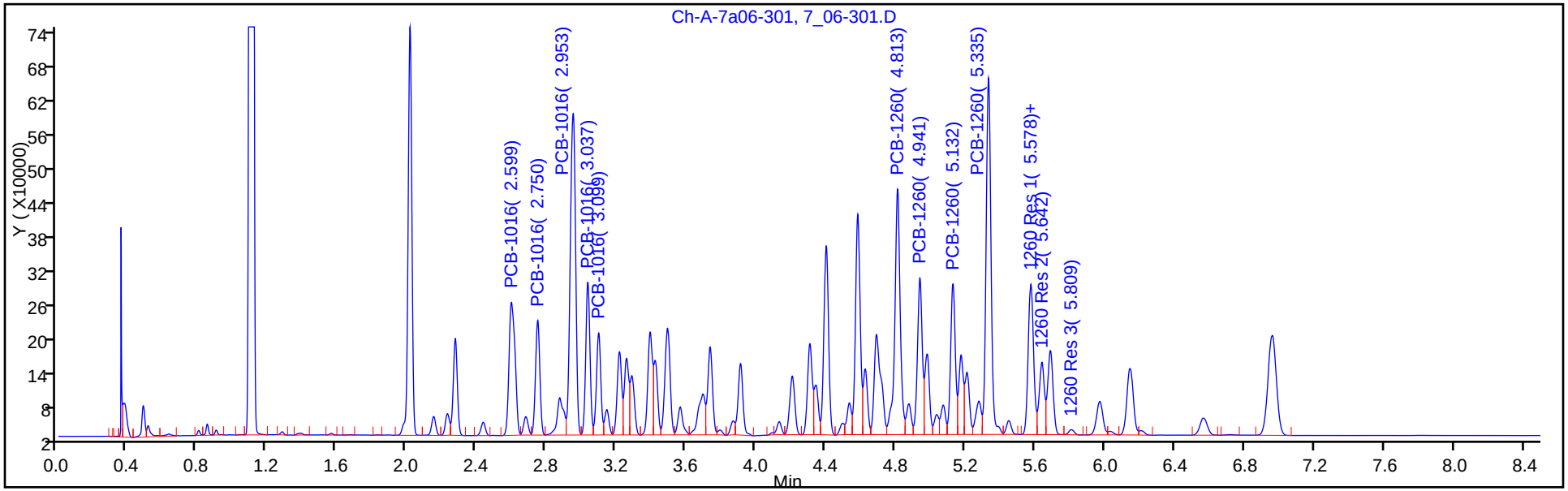
Report Date: 08-Jun-2016 18:28:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

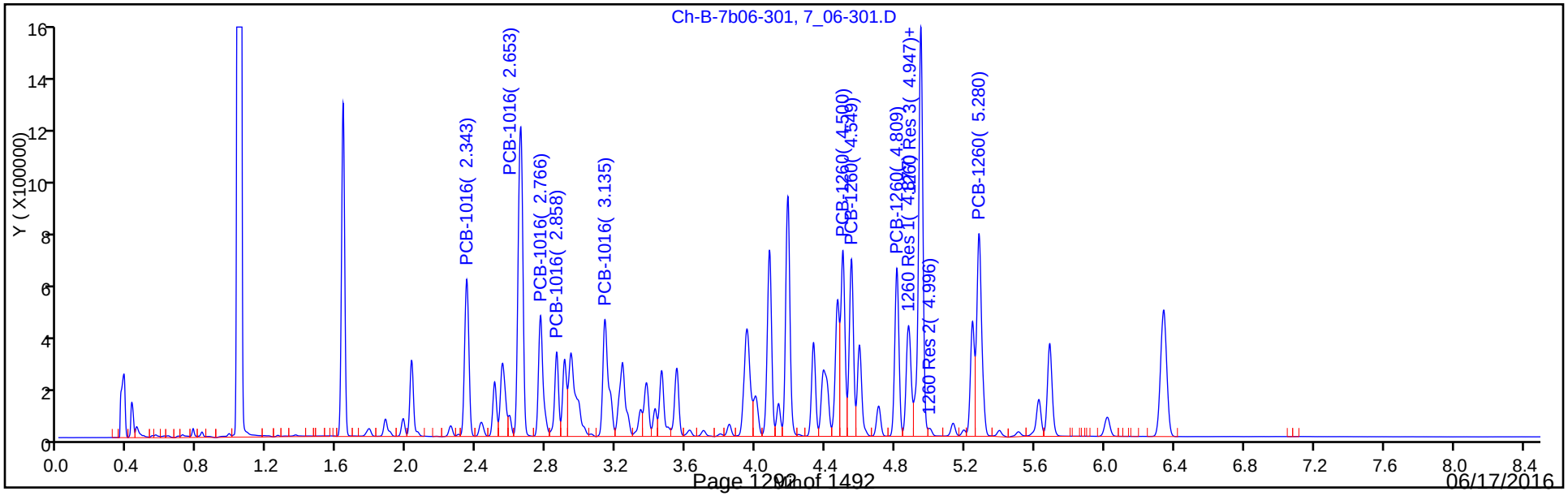
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-301.D

Injection Date:	08-Jun-2016 16:21:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305726/4 Calibration Date: 06/08/2016 16:21

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-301.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0457	0.0486		0.531	0.500	6.3	20.0
PCB-1016 Peak 2	Ave	0.1006	0.1062		0.528	0.500	5.6	20.0
PCB-1016 Peak 3	Ave	0.0375	0.0400		0.533	0.500	6.6	20.0
PCB-1016 Peak 4	Ave	0.0213	0.0243		0.570	0.500	14.0	20.0
PCB-1016 Peak 5	Ave	0.0477	0.0487		0.511	0.500	2.2	20.0
PCB-1260 Peak 1	Ave	0.0538	0.0567		0.527	0.500	5.3	20.0
PCB-1260 Peak 2	Ave	0.0481	0.0541		0.563	0.500	12.6	20.0
PCB-1260 Peak 3	Ave	0.0481	0.0507		0.527	0.500	5.3	20.0
PCB-1260 Peak 4	Ave	0.1149	0.1318		0.574	0.500	14.7	20.0
PCB-1260 Peak 5	Ave	0.0674	0.0732		0.544	0.500	8.7	20.0
Tetrachloro-m-xylene	Ave	1.225	1.270		0.0311	0.0300	3.7	20.0
DCB Decachlorobiphenyl	Lin1		0.9448		0.0322	0.0300	7.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCVIS 480-305726/4 Calibration Date: 06/08/2016 16:21

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-301.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.34	2.31	2.37
PCB-1016 Peak 2	2.65	2.62	2.68
PCB-1016 Peak 3	2.77	2.74	2.80
PCB-1016 Peak 4	2.86	2.83	2.89
PCB-1016 Peak 5	3.14	3.11	3.17
PCB-1260 Peak 1	4.50	4.47	4.53
PCB-1260 Peak 2	4.55	4.52	4.58
PCB-1260 Peak 3	4.81	4.78	4.84
PCB-1260 Peak 4	4.95	4.92	4.98
PCB-1260 Peak 5	5.28	5.25	5.31
Tetrachloro-m-xylene	1.63	1.60	1.66
DCB Decachlorobiphenyl	6.34	6.28	6.40

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-301.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Jun-2016 16:21:46 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub12

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:17 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 17:11:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.108	1.108	0.000	12330539	0.5000	0.5000	
2	1.039	1.039	0.000	20959387	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.018	2.018	0.000	1091849	0.0300	0.0310	
2	1.633	1.633	0.000	1597051	0.0300	0.0311	
						RPD = 0.45	
9 PCB-1016							
1	2.599	2.599	0.000	573819	0.5000	0.5136	
1	2.750	2.750	0.000	354458	0.5000	0.5162	
1	2.953	2.953	0.000	1226312	0.5000	0.5442	
1	3.037	3.037	0.000	458732	0.5000	0.5140	
1	3.099	3.099	0.000	316458	0.5000	0.5287	
		Average of Peak Amounts =				0.5233	
2	2.343	2.343	0.000	1018686	0.5000	0.5315	
2	2.653	2.653	0.000	2224773	0.5000	0.5278	
2	2.766	2.766	0.000	838205	0.5000	0.5328	
2	2.858	2.858	0.000	508970	0.5000	0.5701	
2	3.135	3.135	0.000	1021134	0.5000	0.5112	
		Average of Peak Amounts =				0.5347	
						RPD = 2.14	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.813	4.813	0.000	944665	0.5000	0.5247	
1	4.941	4.941	0.000	533858	0.5000	0.5164	
1	5.132	5.132	0.000	504700	0.5000	0.5171	
1	5.335	5.335	0.000	1242806	0.5000	0.5315	
1	5.578	5.578	0.000	580541	0.5000	0.5033	
		Average of Peak Amounts =				0.5186	
2	4.500	4.500	0.000	1188261	0.5000	0.5267	
2	4.549	4.549	0.000	1134502	0.5000	0.5631	
2	4.809	4.809	0.000	1061901	0.5000	0.5266	
2	4.947	4.947	0.000	2762328	0.5000	0.5736	
2	5.280	5.280	0.000	1534963	0.5000	0.5436	
		Average of Peak Amounts =				0.5467	
						RPD = 5.28	
2 1260 Res 1							
1	5.578	5.578	0.000	580541	NC	NC	
2	4.877	4.877	0.000	833463	NC	NC	
4 1260 Res 2							
1	5.642	5.642	0.000	265749	NC	NC	
2	4.996	4.996	0.000	48135	NC	NC	
3 1260 Res 3							
1	5.809	5.809	0.000	19909	NC	NC	
2	4.947	4.947	0.000	2762328	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.963	6.963	0.000	602567	0.0300	0.0326	
2	6.340	6.340	0.000	1188080	0.0300	0.0322	
						RPD = 1.38	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

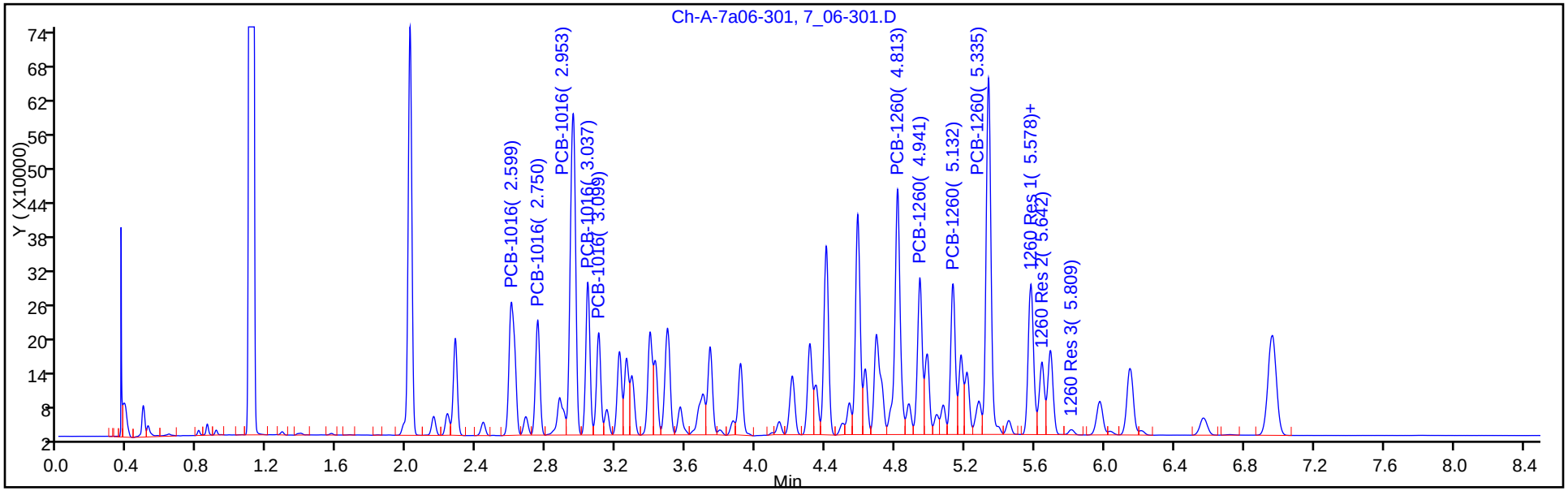
Report Date: 08-Jun-2016 18:28:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

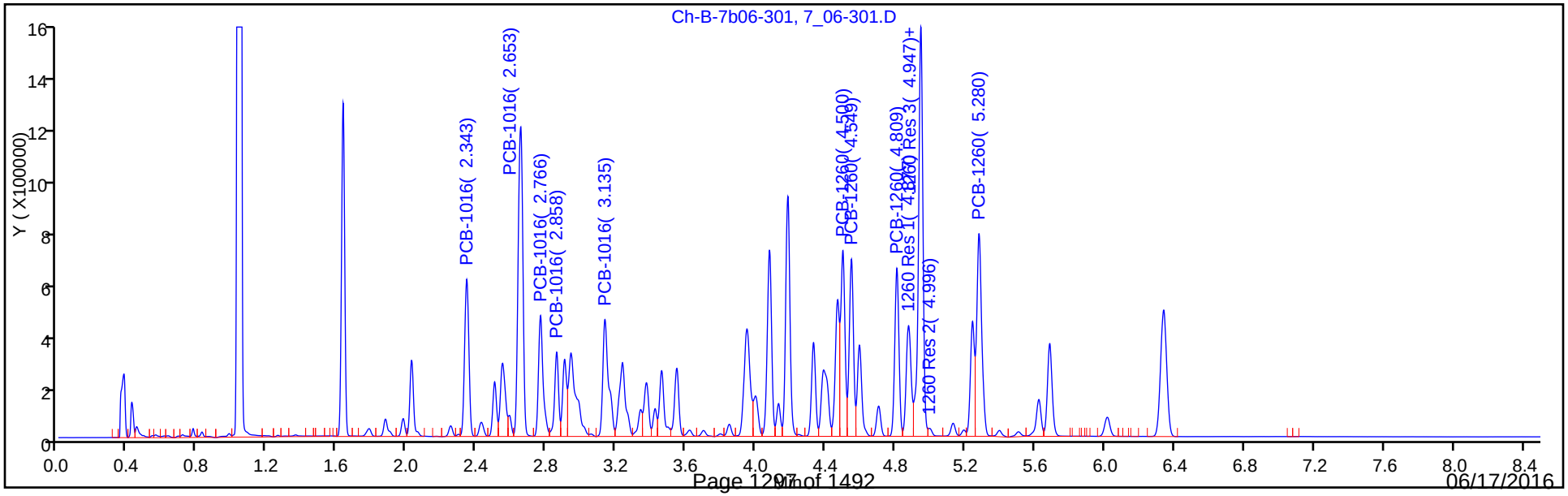
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-301.D

Injection Date:	08-Jun-2016 16:21:46	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/5 Calibration Date: 06/08/2016 16:53

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-302.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0077	0.0085		0.554	0.500	10.9	20.0
PCB-1221 Peak 2	Ave	0.0117	0.0134		0.568	0.500	13.6	20.0
PCB-1221 Peak 3	Ave	0.0074	0.0083		0.563	0.500	12.6	20.0
PCB-1221 Peak 4	Ave	0.0266	0.0306		0.574	0.500	14.9	20.0
PCB-1254 Peak 1	Ave	0.0535	0.0621		0.579	0.500	15.9	20.0
PCB-1254 Peak 2	Ave	0.0348	0.0406		0.583	0.500	16.6	20.0
PCB-1254 Peak 3	Ave	0.0635	0.0733		0.576	0.500	15.3	20.0
PCB-1254 Peak 4	Ave	0.0641	0.0736		0.575	0.500	14.9	20.0
PCB-1254 Peak 5	Ave	0.0532	0.0630		0.592	0.500	18.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/5 Calibration Date: 06/08/2016 16:53

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-302.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.57	1.54	1.60
PCB-1221 Peak 2	2.16	2.13	2.19
PCB-1221 Peak 3	2.24	2.21	2.27
PCB-1221 Peak 4	2.28	2.25	2.31
PCB-1254 Peak 1	3.92	3.89	3.95
PCB-1254 Peak 2	4.14	4.11	4.17
PCB-1254 Peak 3	4.22	4.19	4.25
PCB-1254 Peak 4	4.42	4.39	4.45
PCB-1254 Peak 5	4.82	4.79	4.85

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-302.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 16:53:40 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:20 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 17:13:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.111	1.111	0.000	12007328	0.5000	0.5000	
2	1.039	1.039	0.000	20048913	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.569	1.569	0.000	102302	0.5000	0.5544	
1	2.158	2.158	0.000	160255	0.5000	0.5680	
1	2.235	2.235	0.000	99673	0.5000	0.5631	
1	2.282	2.282	0.000	367479	0.5000	0.5744	
		Average of Peak Amounts =				0.5650	
2	1.361	1.361	0.000	157866	0.5000	0.5328	M
2	1.875	1.875	0.000	271613	0.5000	0.5649	
2	1.978	1.978	0.000	167411	0.5000	0.5474	
2	2.026	2.026	0.000	529173	0.5000	0.6430	
		Average of Peak Amounts =				0.5720	
						RPD = 1.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.918	3.918	0.000	745147	0.5000	0.5794	
1	4.140	4.140	0.000	487379	0.5000	0.5831	
1	4.219	4.219	0.000	879582	0.5000	0.5765	
1	4.416	4.416	0.000	883995	0.5000	0.5747	
1	4.819	4.819	0.000	755936	0.5000	0.5919	
		Average of Peak Amounts =				0.5811	
2	3.547	3.547	0.000	1225029	0.5000	0.5951	M
2	3.848	3.848	0.000	845129	0.5000	0.5745	M
2	3.935	3.935	0.000	1838973	0.5000	0.5795	M
2	4.067	4.067	0.000	1923800	0.5000	0.5965	M
2	4.501	4.501	0.000	1556951	0.5000	0.5870	M
		Average of Peak Amounts =				0.5865	
						RPD = 0.92	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00005 Amount Added: 1.00 Units: mL

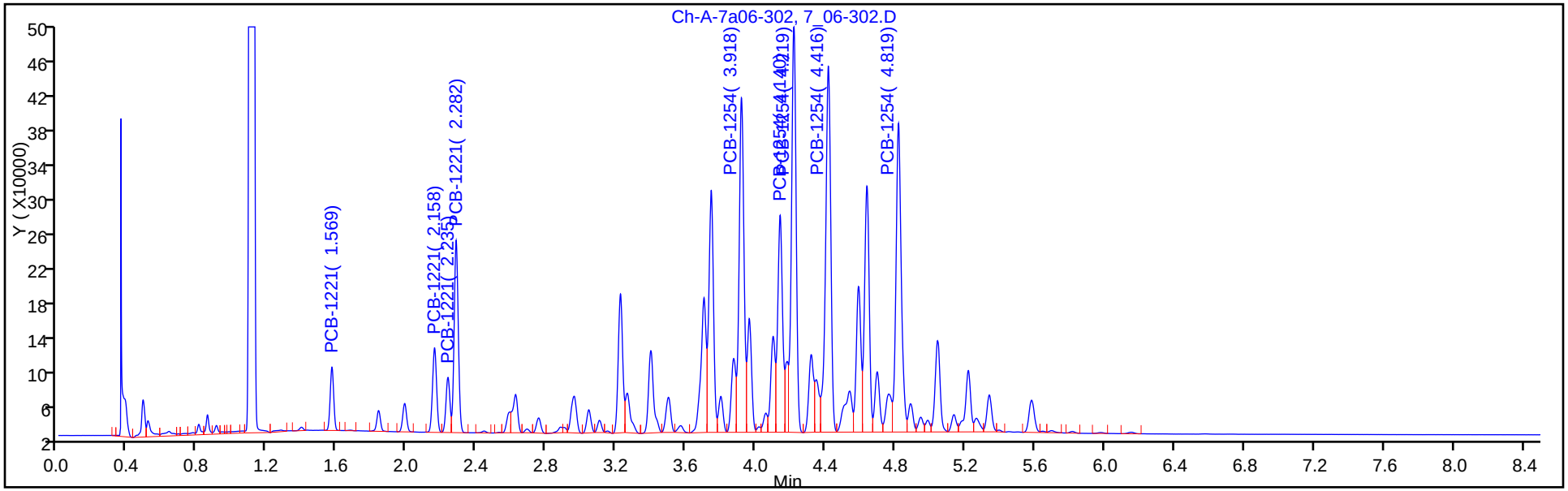
Report Date: 08-Jun-2016 18:28:21 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

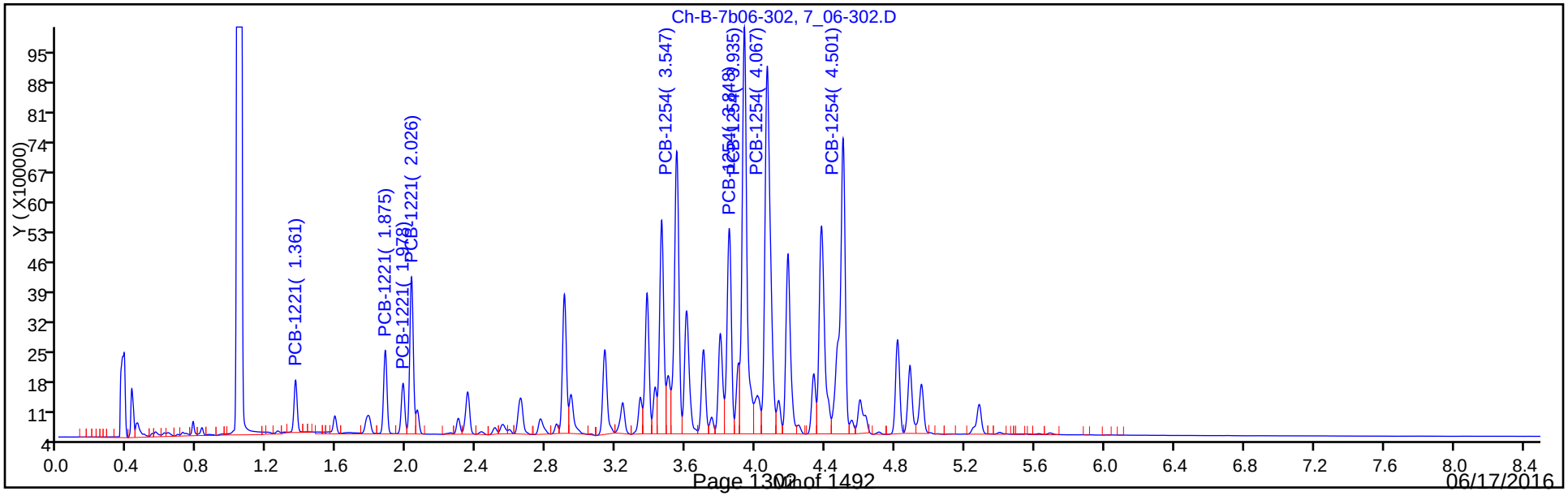
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-302.D

Injection Date:	08-Jun-2016 16:53:40	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/5 Calibration Date: 06/08/2016 16:53

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-302.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0074	0.0079		0.533	0.500	6.6	20.0
PCB-1221 Peak 2	Ave	0.0120	0.0136		0.565	0.500	13.0	20.0
PCB-1221 Peak 3	Ave	0.0076	0.0084		0.547	0.500	9.5	20.0
PCB-1221 Peak 4	Ave	0.0205	0.0264		0.643	0.500	28.6*	20.0
PCB-1254 Peak 1	Ave	0.0513	0.0611		0.595	0.500	19.0	20.0
PCB-1254 Peak 2	Ave	0.0367	0.0422		0.574	0.500	14.9	20.0
PCB-1254 Peak 3	Ave	0.0791	0.0917		0.580	0.500	15.9	20.0
PCB-1254 Peak 4	Ave	0.0804	0.0960		0.596	0.500	19.3	20.0
PCB-1254 Peak 5	Ave	0.0661	0.0777		0.587	0.500	17.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/5 Calibration Date: 06/08/2016 16:53

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-302.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.36	1.33	1.39
PCB-1221 Peak 2	1.88	1.85	1.91
PCB-1221 Peak 3	1.98	1.95	2.01
PCB-1221 Peak 4	2.03	2.00	2.06
PCB-1254 Peak 1	3.55	3.52	3.58
PCB-1254 Peak 2	3.85	3.82	3.88
PCB-1254 Peak 3	3.94	3.91	3.97
PCB-1254 Peak 4	4.07	4.04	4.10
PCB-1254 Peak 5	4.50	4.47	4.53

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-302.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 16:53:40 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:20 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 17:13:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.111	1.111	0.000	12007328	0.5000	0.5000	
2	1.039	1.039	0.000	20048913	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.569	1.569	0.000	102302	0.5000	0.5544	
1	2.158	2.158	0.000	160255	0.5000	0.5680	
1	2.235	2.235	0.000	99673	0.5000	0.5631	
1	2.282	2.282	0.000	367479	0.5000	0.5744	
		Average of Peak Amounts =				0.5650	
2	1.361	1.361	0.000	157866	0.5000	0.5328	M
2	1.875	1.875	0.000	271613	0.5000	0.5649	
2	1.978	1.978	0.000	167411	0.5000	0.5474	
2	2.026	2.026	0.000	529173	0.5000	0.6430	
		Average of Peak Amounts =				0.5720	
						RPD = 1.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.918	3.918	0.000	745147	0.5000	0.5794	
1	4.140	4.140	0.000	487379	0.5000	0.5831	
1	4.219	4.219	0.000	879582	0.5000	0.5765	
1	4.416	4.416	0.000	883995	0.5000	0.5747	
1	4.819	4.819	0.000	755936	0.5000	0.5919	
		Average of Peak Amounts =				0.5811	
2	3.547	3.547	0.000	1225029	0.5000	0.5951	M
2	3.848	3.848	0.000	845129	0.5000	0.5745	M
2	3.935	3.935	0.000	1838973	0.5000	0.5795	M
2	4.067	4.067	0.000	1923800	0.5000	0.5965	M
2	4.501	4.501	0.000	1556951	0.5000	0.5870	M
		Average of Peak Amounts =				0.5865	
						RPD = 0.92	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00005 Amount Added: 1.00 Units: mL

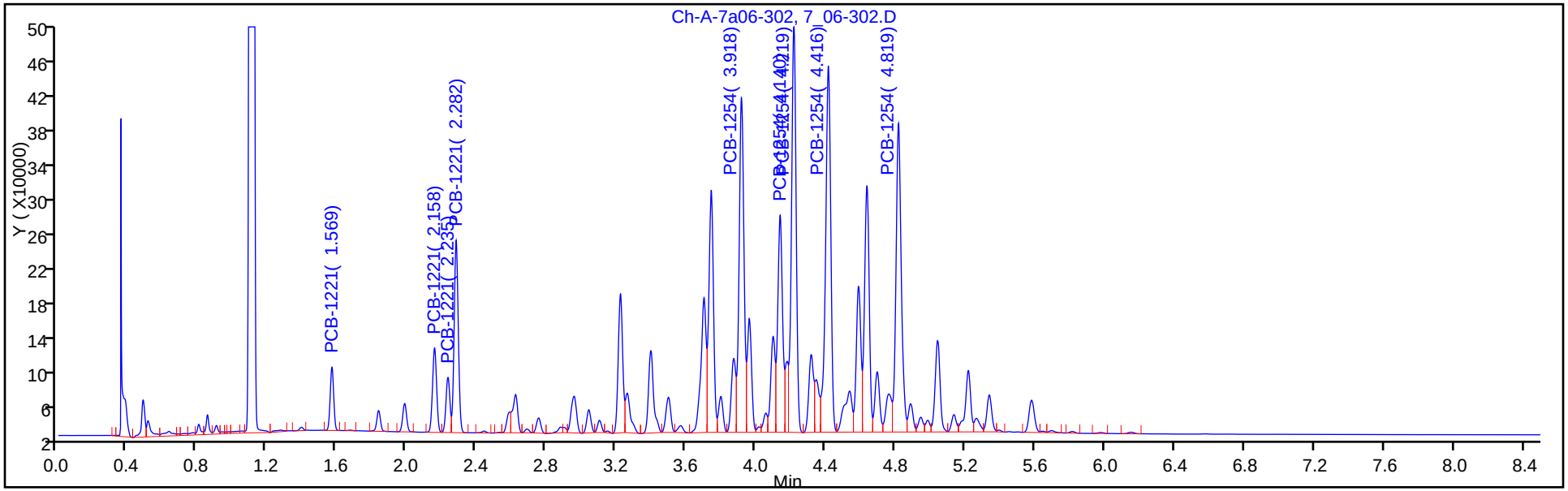
Report Date: 08-Jun-2016 18:28:22 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

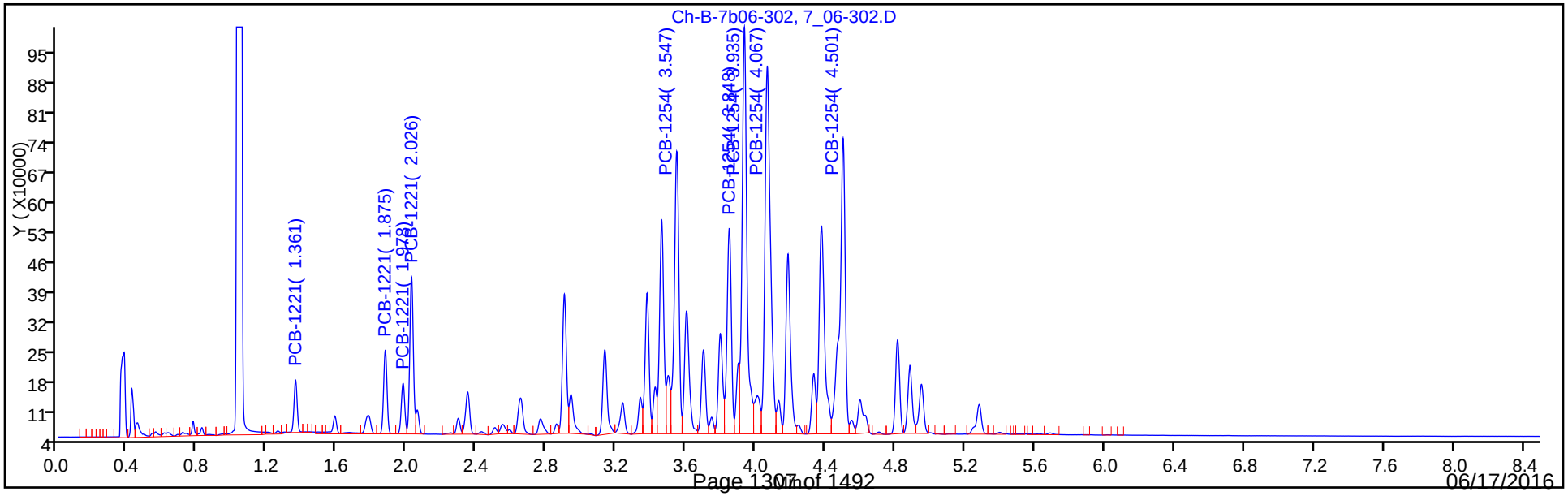
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-302.D

Injection Date:	08-Jun-2016 16:53:40	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 08-Jun-2016 18:28:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-302.D

Injection Date: 08-Jun-2016 16:53:40 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

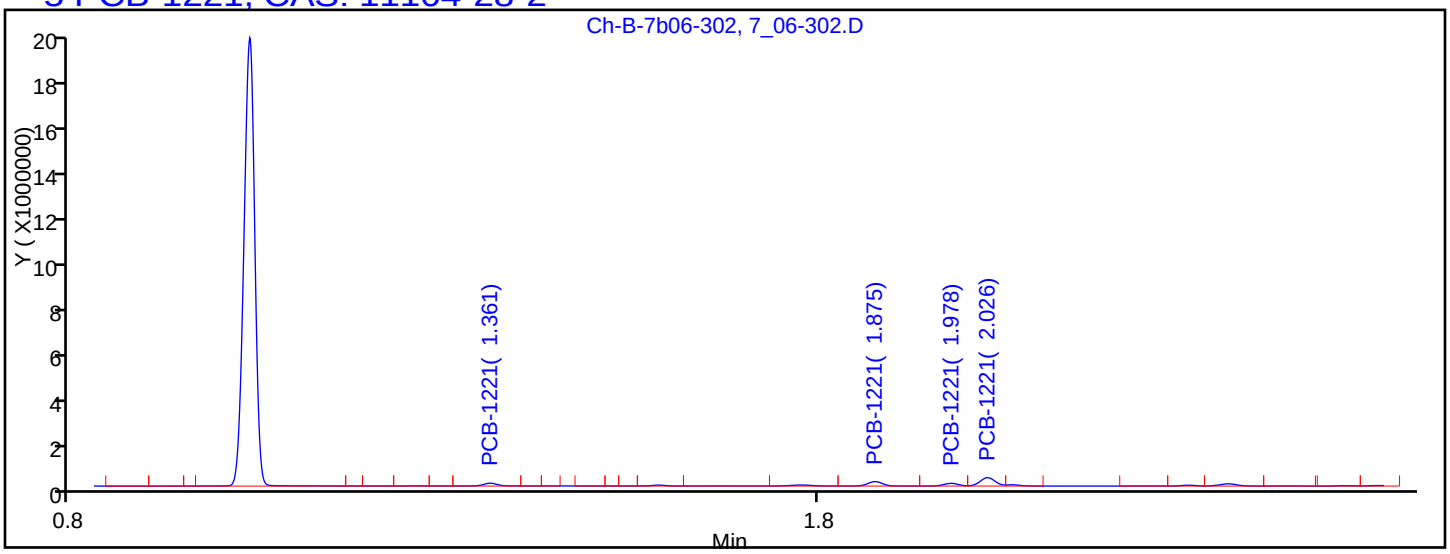
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

5 PCB-1221, CAS: 11104-28-2



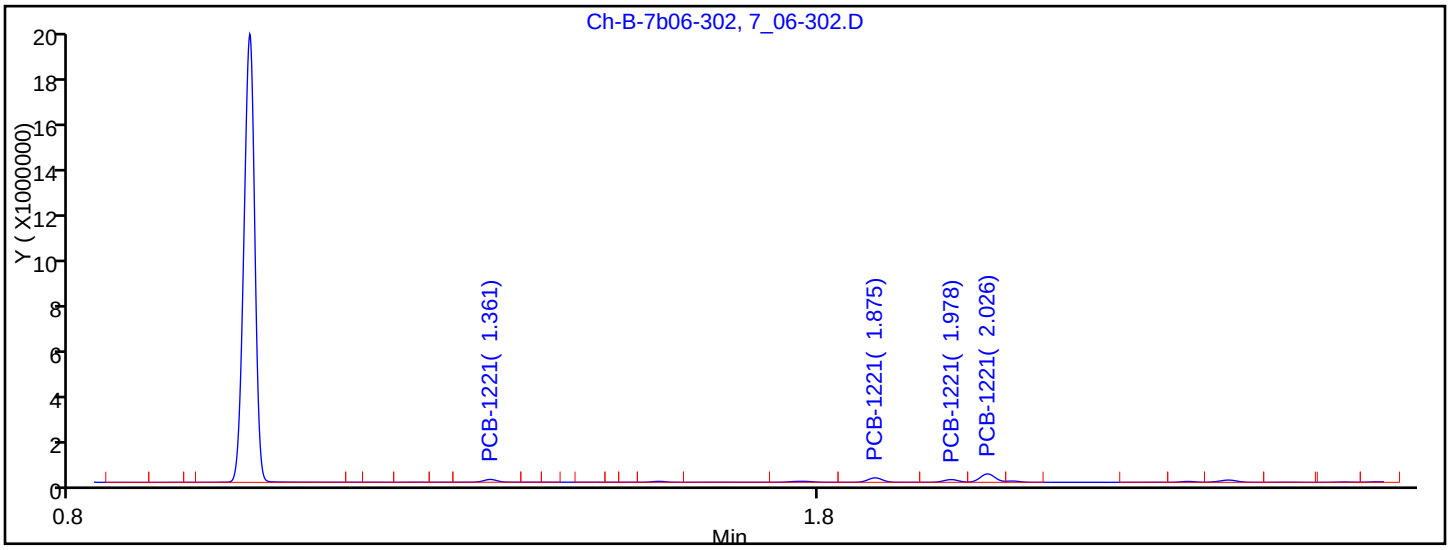
Processing Integration Results

RT = 1.361 Response = 175303 M

RT = 1.875 Response = 271613

RT = 1.978 Response = 167411

RT = 2.026 Response = 529173



Manual Integration Results

RT = 1.361 Response = 157866 M

RT = 1.875 Response = 271613

RT = 1.978 Response = 167411

RT = 2.026 Response = 529173

Reviewer: sobolk, 08-Jun-2016 17:13:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 08-Jun-2016 18:28:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-302.D

Injection Date: 08-Jun-2016 16:53:40 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

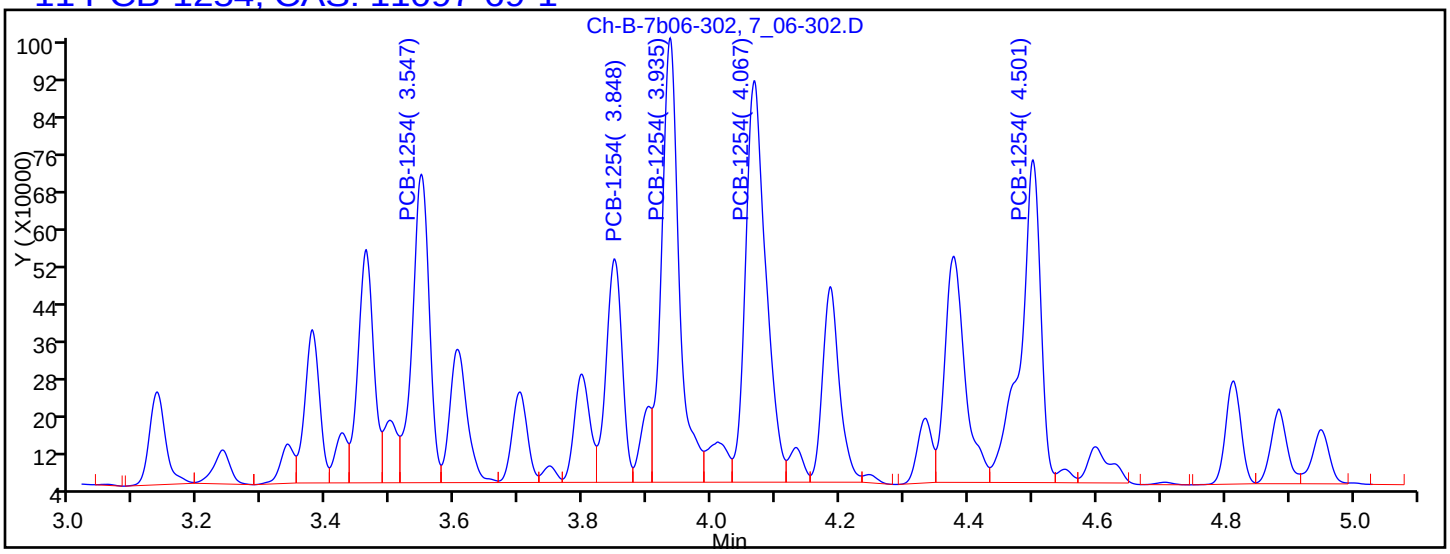
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

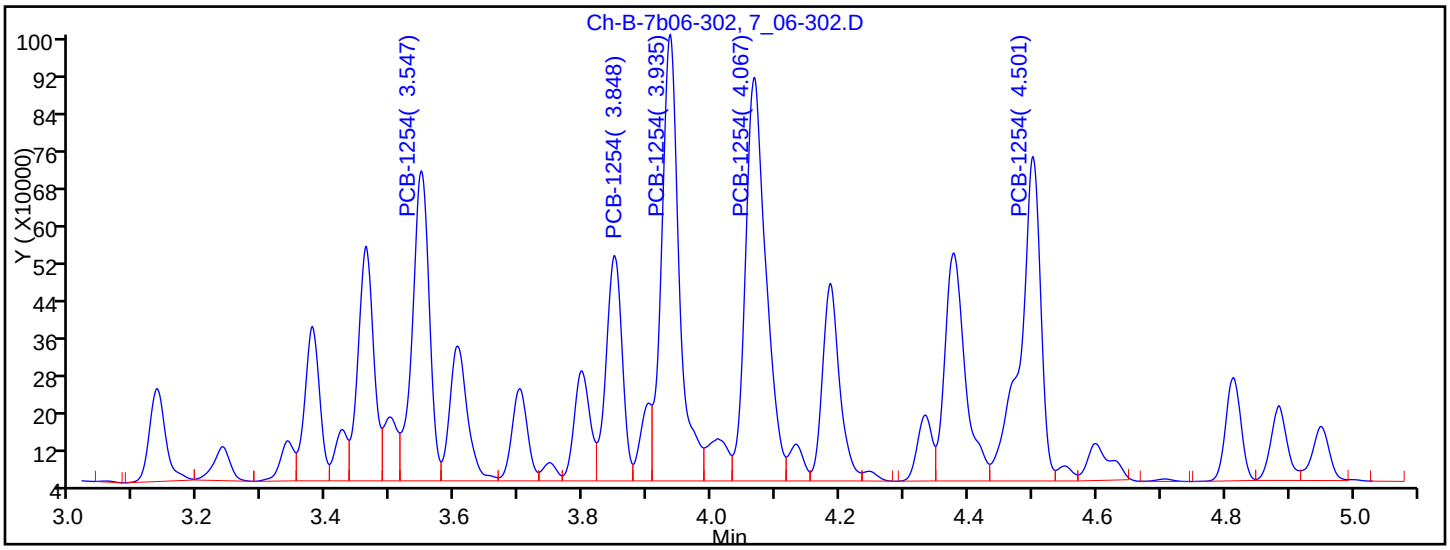
Column: Detector Ch-B-7b136

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.547	Response = 1212963	M
RT = 3.848	Response = 831427	M
RT = 3.935	Response = 1818531	M
RT = 4.067	Response = 1901822	M
RT = 4.501	Response = 1534470	M



Manual Integration Results

RT = 3.547	Response = 1225029	M
RT = 3.848	Response = 845129	M
RT = 3.935	Response = 1838973	M
RT = 4.067	Response = 1923800	M
RT = 4.501	Response = 1556951	M

Reviewer: sobolk, 08-Jun-2016 17:13:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/6 Calibration Date: 06/08/2016 17:12

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-303.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0219	0.0259		0.592	0.500	18.4	20.0
PCB-1232 Peak 2	Ave	0.0115	0.0135		0.590	0.500	18.0	20.0
PCB-1232 Peak 3	Ave	0.0375	0.0447		0.596	0.500	19.1	20.0
PCB-1232 Peak 4	Ave	0.0146	0.0174		0.594	0.500	18.8	20.0
PCB-1232 Peak 5	Ave	0.0101	0.0119		0.587	0.500	17.4	20.0
PCB-1262 Peak 1	Ave	0.0534	0.0693		0.649	0.500	29.9*	20.0
PCB-1262 Peak 2	Ave	0.0412	0.0540		0.655	0.500	31.0*	20.0
PCB-1262 Peak 3	Ave	0.0956	0.1256		0.657	0.500	31.4*	20.0
PCB-1262 Peak 4	Ave	0.0310	0.0406		0.655	0.500	31.0*	20.0
PCB-1262 Peak 5	Ave	0.0375	0.0490		0.654	0.500	30.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/6 Calibration Date: 06/08/2016 17:12

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-303.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.28	2.25	2.31
PCB-1232 Peak 2	2.75	2.72	2.78
PCB-1232 Peak 3	2.95	2.92	2.98
PCB-1232 Peak 4	3.04	3.01	3.07
PCB-1232 Peak 5	3.10	3.07	3.13
PCB-1262 Peak 1	4.94	4.91	4.97
PCB-1262 Peak 2	5.13	5.10	5.16
PCB-1262 Peak 3	5.34	5.31	5.37
PCB-1262 Peak 4	5.58	5.55	5.61
PCB-1262 Peak 5	5.69	5.66	5.72

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-303.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 17:12:22 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:23 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 17:36:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.109	1.109	0.000	12078583	0.5000	0.5000	
2	1.040	1.040	0.000	20334550	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.278	2.278	0.000	312653	0.5000	0.5921	
1	2.750	2.750	0.000	163390	0.5000	0.5899	
1	2.953	2.953	0.000	539505	0.5000	0.5956	
1	3.037	3.037	0.000	209710	0.5000	0.5940	
1	3.099	3.099	0.000	143273	0.5000	0.5871	
		Average of Peak Amounts =				0.5917	
2	2.027	2.027	0.000	464013	0.5000	0.6303	M
2	2.343	2.343	0.000	502950	0.5000	0.5843	
2	2.650	2.650	0.000	1009643	0.5000	0.5993	
2	2.764	2.764	0.000	380242	0.5000	0.5942	
2	3.135	3.135	0.000	452859	0.5000	0.5924	
		Average of Peak Amounts =				0.6001	
						RPD = 1.40	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.943	4.943	0.000	837545	0.5000	0.6494	
1	5.131	5.131	0.000	652032	0.5000	0.6550	
1	5.335	5.335	0.000	1517140	0.5000	0.6568	
1	5.578	5.578	0.000	490878	0.5000	0.6548	
1	5.690	5.690	0.000	592160	0.5000	0.6544	
		Average of Peak Amounts =				0.6541	
2	4.549	4.549	0.000	1897039	0.5000	0.7011	
2	4.810	4.810	0.000	1460482	0.5000	0.6626	
2	4.948	4.948	0.000	3479204	0.5000	0.7145	
2	5.244	5.244	0.000	1421857	0.5000	0.7228	
2	5.281	5.281	0.000	2011641	0.5000	0.6743	
		Average of Peak Amounts =				0.6951	
						RPD = 6.08	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00005 Amount Added: 1.00 Units: mL

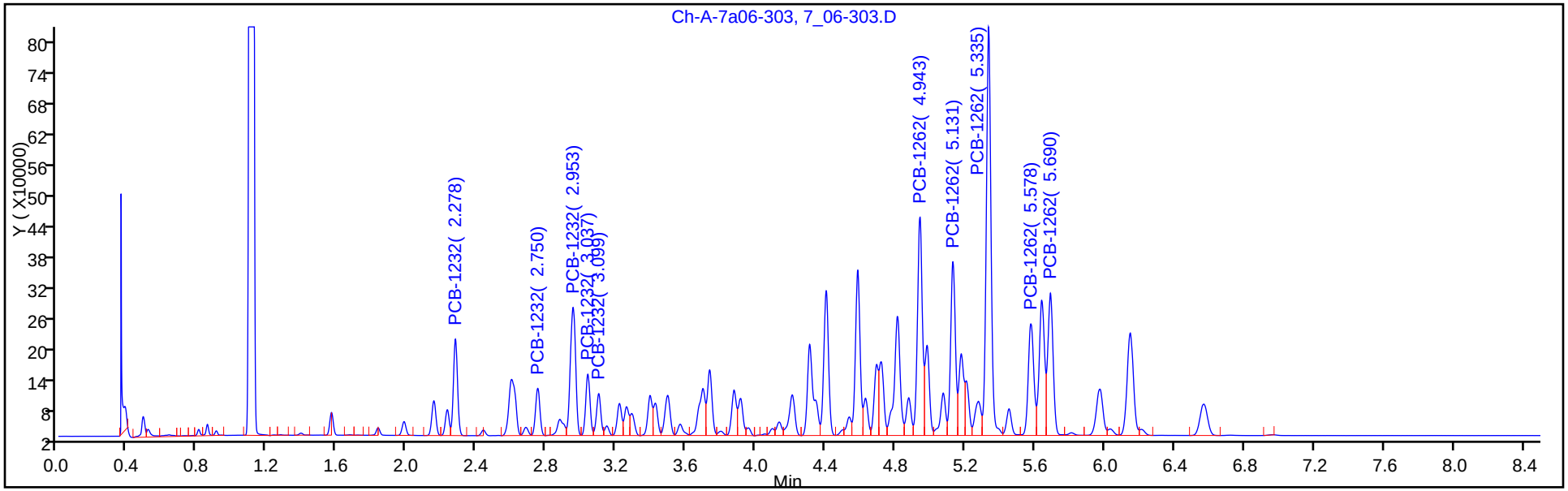
Report Date: 08-Jun-2016 18:28:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

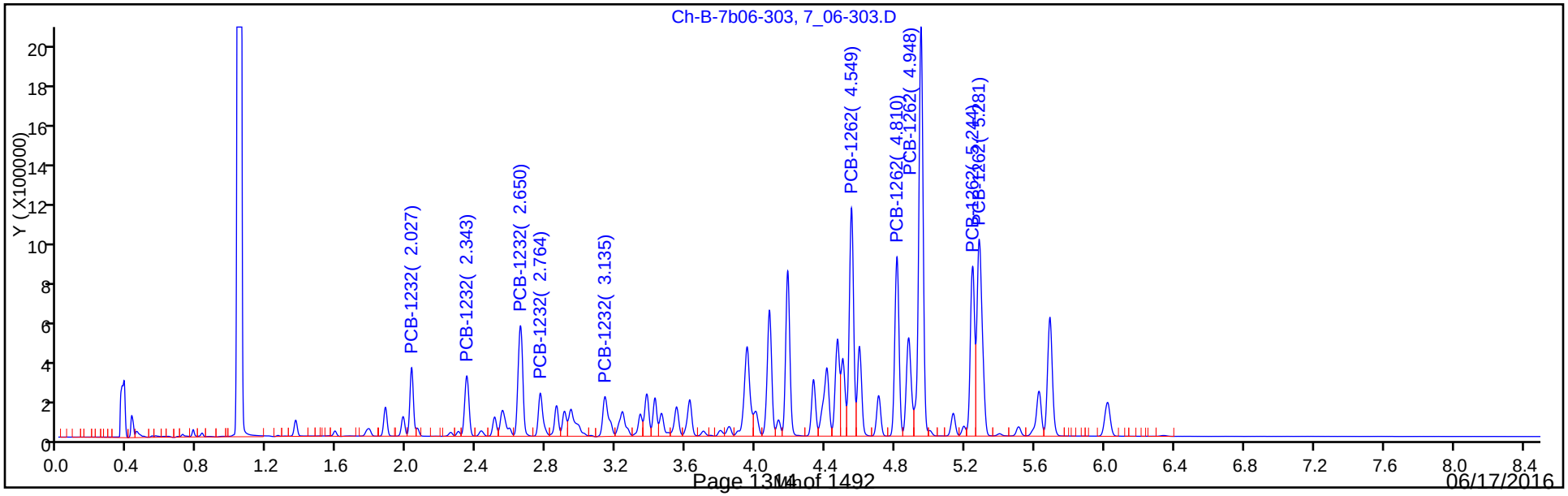
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-303.D

Injection Date:	08-Jun-2016 17:12:22	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/6 Calibration Date: 06/08/2016 17:12

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-303.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0181	0.0228		0.630	0.500	26.1*	20.0
PCB-1232 Peak 2	Ave	0.0212	0.0247		0.584	0.500	16.9	20.0
PCB-1232 Peak 3	Ave	0.0414	0.0497		0.599	0.500	19.9	20.0
PCB-1232 Peak 4	Ave	0.0157	0.0187		0.594	0.500	18.8	20.0
PCB-1232 Peak 5	Ave	0.0188	0.0223		0.592	0.500	18.5	20.0
PCB-1262 Peak 1	Ave	0.0665	0.0933		0.701	0.500	40.2*	20.0
PCB-1262 Peak 2	Ave	0.0542	0.0718		0.663	0.500	32.5*	20.0
PCB-1262 Peak 3	Ave	0.1197	0.1711		0.715	0.500	42.9*	20.0
PCB-1262 Peak 4	Ave	0.0484	0.0699		0.723	0.500	44.6*	20.0
PCB-1262 Peak 5	Ave	0.0734	0.0989		0.674	0.500	34.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/6 Calibration Date: 06/08/2016 17:12

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-303.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.03	2.00	2.06
PCB-1232 Peak 2	2.34	2.31	2.37
PCB-1232 Peak 3	2.65	2.62	2.68
PCB-1232 Peak 4	2.76	2.73	2.79
PCB-1232 Peak 5	3.14	3.11	3.17
PCB-1262 Peak 1	4.55	4.52	4.58
PCB-1262 Peak 2	4.81	4.78	4.84
PCB-1262 Peak 3	4.95	4.92	4.98
PCB-1262 Peak 4	5.24	5.21	5.27
PCB-1262 Peak 5	5.28	5.25	5.31

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-303.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 17:12:22 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:23 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 17:36:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.109	1.109	0.000	12078583	0.5000	0.5000	
2	1.040	1.040	0.000	20334550	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.278	2.278	0.000	312653	0.5000	0.5921	
1	2.750	2.750	0.000	163390	0.5000	0.5899	
1	2.953	2.953	0.000	539505	0.5000	0.5956	
1	3.037	3.037	0.000	209710	0.5000	0.5940	
1	3.099	3.099	0.000	143273	0.5000	0.5871	
		Average of Peak Amounts =				0.5917	
2	2.027	2.027	0.000	464013	0.5000	0.6303	M
2	2.343	2.343	0.000	502950	0.5000	0.5843	
2	2.650	2.650	0.000	1009643	0.5000	0.5993	
2	2.764	2.764	0.000	380242	0.5000	0.5942	
2	3.135	3.135	0.000	452859	0.5000	0.5924	
		Average of Peak Amounts =				0.6001	
						RPD = 1.40	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.943	4.943	0.000	837545	0.5000	0.6494	
1	5.131	5.131	0.000	652032	0.5000	0.6550	
1	5.335	5.335	0.000	1517140	0.5000	0.6568	
1	5.578	5.578	0.000	490878	0.5000	0.6548	
1	5.690	5.690	0.000	592160	0.5000	0.6544	
		Average of Peak Amounts =				0.6541	
2	4.549	4.549	0.000	1897039	0.5000	0.7011	
2	4.810	4.810	0.000	1460482	0.5000	0.6626	
2	4.948	4.948	0.000	3479204	0.5000	0.7145	
2	5.244	5.244	0.000	1421857	0.5000	0.7228	
2	5.281	5.281	0.000	2011641	0.5000	0.6743	
		Average of Peak Amounts =				0.6951	
						RPD = 6.08	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00005 Amount Added: 1.00 Units: mL

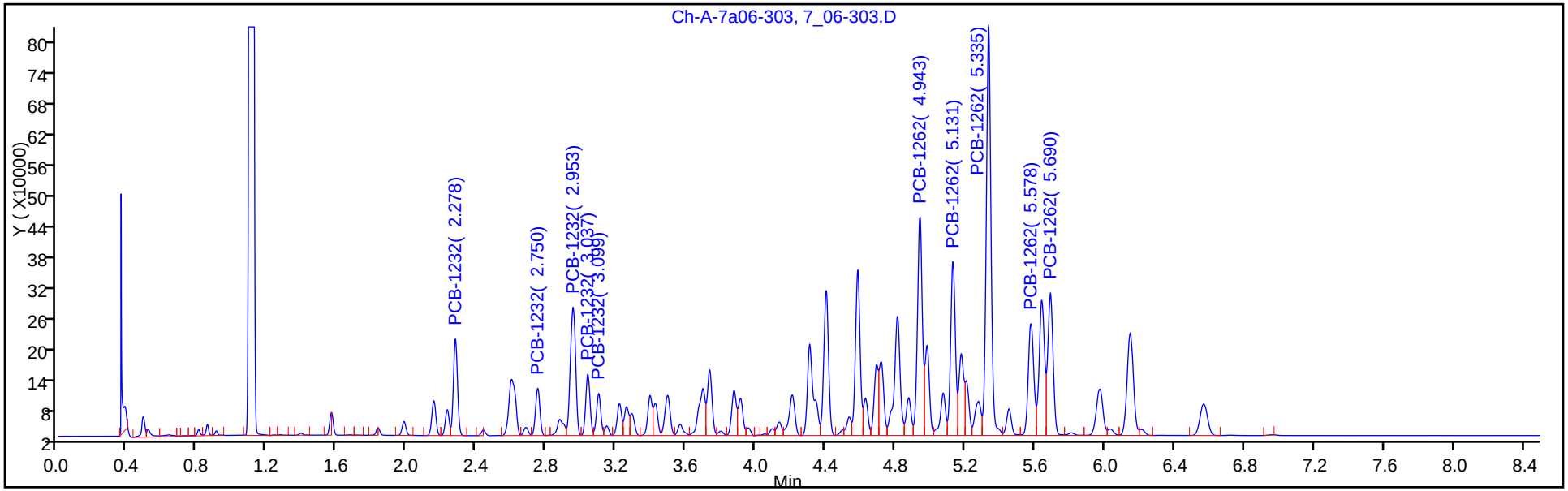
Report Date: 08-Jun-2016 18:28:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

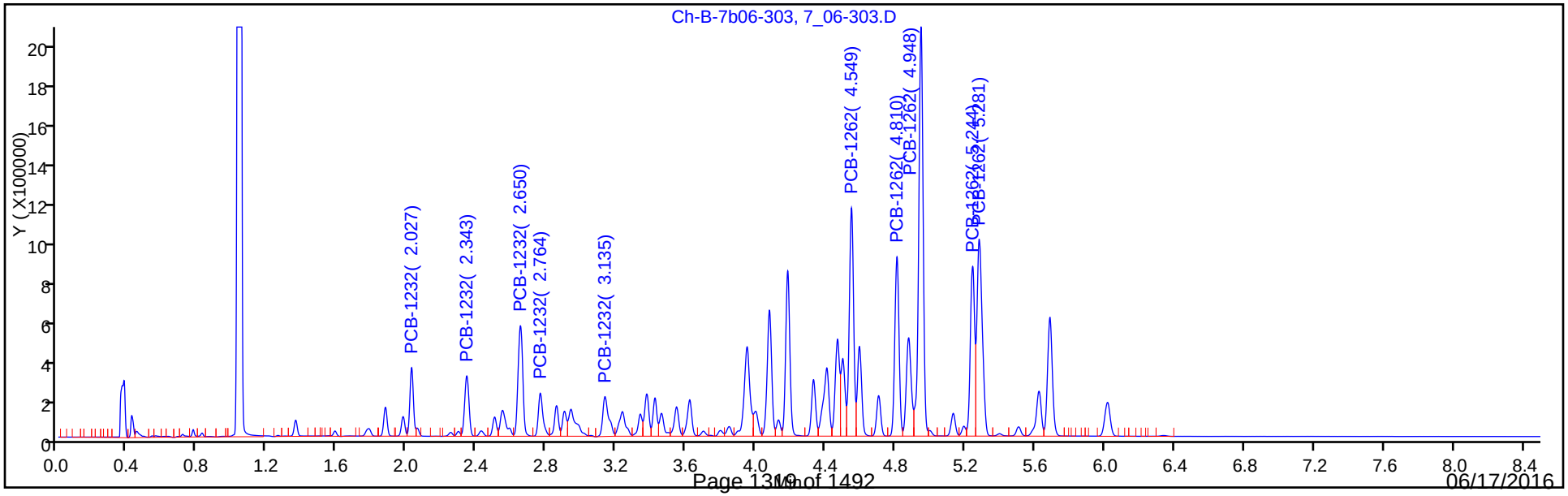
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-303.D

Injection Date:	08-Jun-2016 17:12:22	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



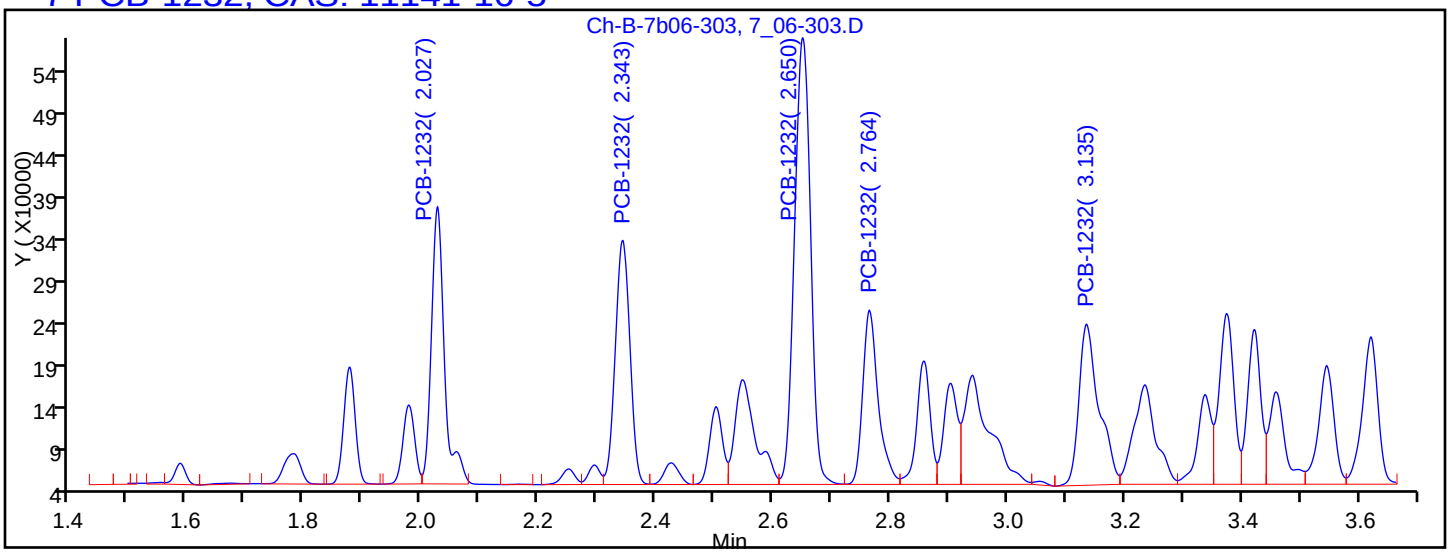
Report Date: 08-Jun-2016 18:28:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-303.D

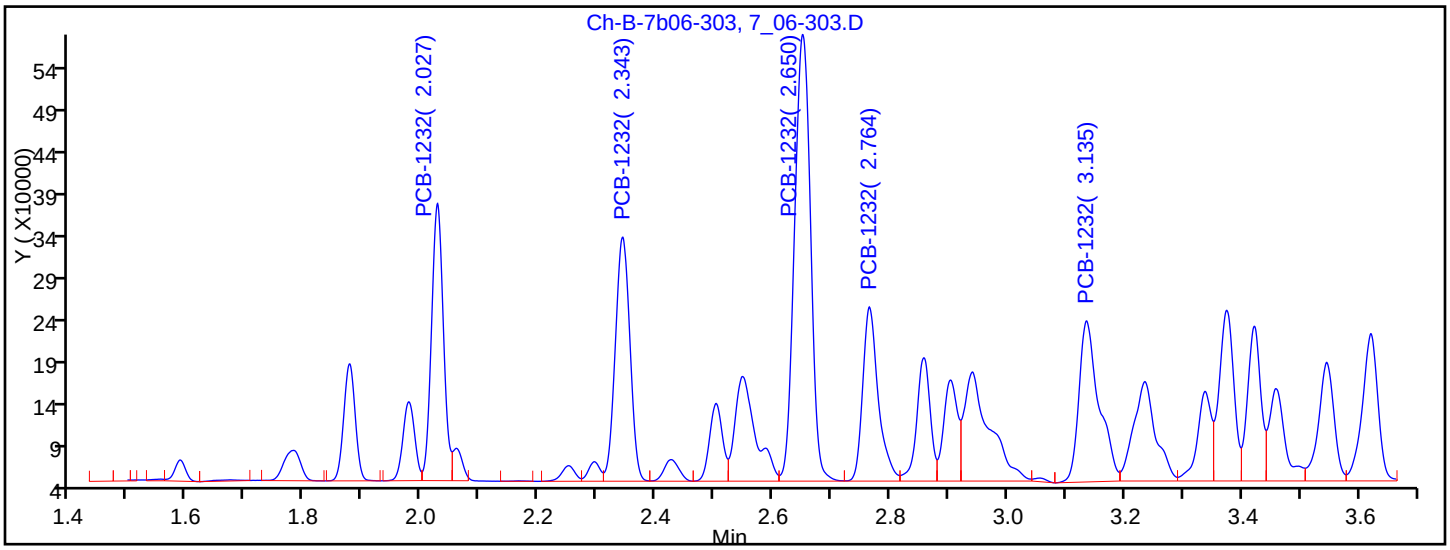
Injection Date:	08-Jun-2016 17:12:22	Instrument ID:	HP6890-7		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

RT = 2.027	Response = 506396	M
RT = 2.343	Response = 502950	
RT = 2.650	Response = 1009643	
RT = 2.764	Response = 380242	
RT = 3.135	Response = 452859	



Manual Integration Results

RT = 2.027	Response = 464013	M
RT = 2.343	Response = 502950	
RT = 2.650	Response = 1009643	
RT = 2.764	Response = 380242	
RT = 3.135	Response = 452859	

Reviewer: sobolk, 08-Jun-2016 17:36:38

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/7 Calibration Date: 06/08/2016 17:30

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-304.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0649	0.0757		0.584	0.500	16.7	20.0
PCB-1242 Peak 2	Ave	0.0245	0.0284		0.579	0.500	15.8	20.0
PCB-1242 Peak 3	Ave	0.0188	0.0216		0.576	0.500	15.2	20.0
PCB-1242 Peak 4	Ave	0.0223	0.0256		0.575	0.500	15.0	20.0
PCB-1242 Peak 5	Ave	0.0316	0.0369		0.583	0.500	16.6	20.0
PCB-1268 Peak 1	Ave	0.1022	0.1162		0.569	0.500	13.8	20.0
PCB-1268 Peak 2	Ave	0.0915	0.1051		0.574	0.500	14.9	20.0
PCB-1268 Peak 3	Ave	0.0798	0.0904		0.567	0.500	13.3	20.0
PCB-1268 Peak 4	Ave	0.0341	0.0410		0.600	0.500	20.1*	20.0
PCB-1268 Peak 5	Ave	0.2588	0.2917		0.564	0.500	12.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/7 Calibration Date: 06/08/2016 17:30

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-304.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.95	2.92	2.98
PCB-1242 Peak 2	3.04	3.01	3.07
PCB-1242 Peak 3	3.39	3.36	3.42
PCB-1242 Peak 4	3.49	3.46	3.52
PCB-1242 Peak 5	3.70	3.67	3.73
PCB-1268 Peak 1	5.64	5.61	5.67
PCB-1268 Peak 2	5.69	5.66	5.72
PCB-1268 Peak 3	5.95	5.92	5.98
PCB-1268 Peak 4	6.15	6.12	6.18
PCB-1268 Peak 5	6.57	6.54	6.60

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-304.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 17:30:58 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:27 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.108	1.108	0.000	12111077	0.5000	0.5000	
2	1.039	1.039	0.000	20490760	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.952	2.952	0.000	916880	0.5000	0.5836	
1	3.037	3.037	0.000	344192	0.5000	0.5789	
1	3.393	3.393	0.000	261950	0.5000	0.5761	
1	3.493	3.493	0.000	310094	0.5000	0.5749	
1	3.696	3.696	0.000	446486	0.5000	0.5831	
		Average of Peak Amounts =				0.5793	
2	2.651	2.651	0.000	1682955	0.5000	0.5747	
2	2.764	2.764	0.000	624352	0.5000	0.5681	
2	3.134	3.134	0.000	809539	0.5000	0.5978	
2	3.375	3.375	0.000	645445	0.5000	0.5834	
2	3.421	3.421	0.000	533744	0.5000	0.5780	
		Average of Peak Amounts =				0.5804	
						RPD = 0.19	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.642	5.642	0.000	1407630	0.5000	0.5688	
1	5.688	5.688	0.000	1273241	0.5000	0.5743	
1	5.954	5.954	0.000	1095091	0.5000	0.5666	
1	6.147	6.147	0.000	496006	0.5000	0.6004	
1	6.569	6.569	0.000	3532756	0.5000	0.5636	
		Average of Peak Amounts =				0.5748	
2	5.242	5.242	0.000	3153988	0.5000	0.6444	
2	5.282	5.282	0.000	2767422	0.5000	0.5866	
2	5.507	5.507	0.000	2396758	0.5000	0.6091	
2	5.687	5.687	0.000	1023719	0.5000	0.5849	
2	6.016	6.016	0.000	7507592	0.5000	0.5583	
		Average of Peak Amounts =				0.5966	
						RPD = 3.74	

Reagents:

42-68w/IS@0.5_00005 Amount Added: 1.00 Units: mL

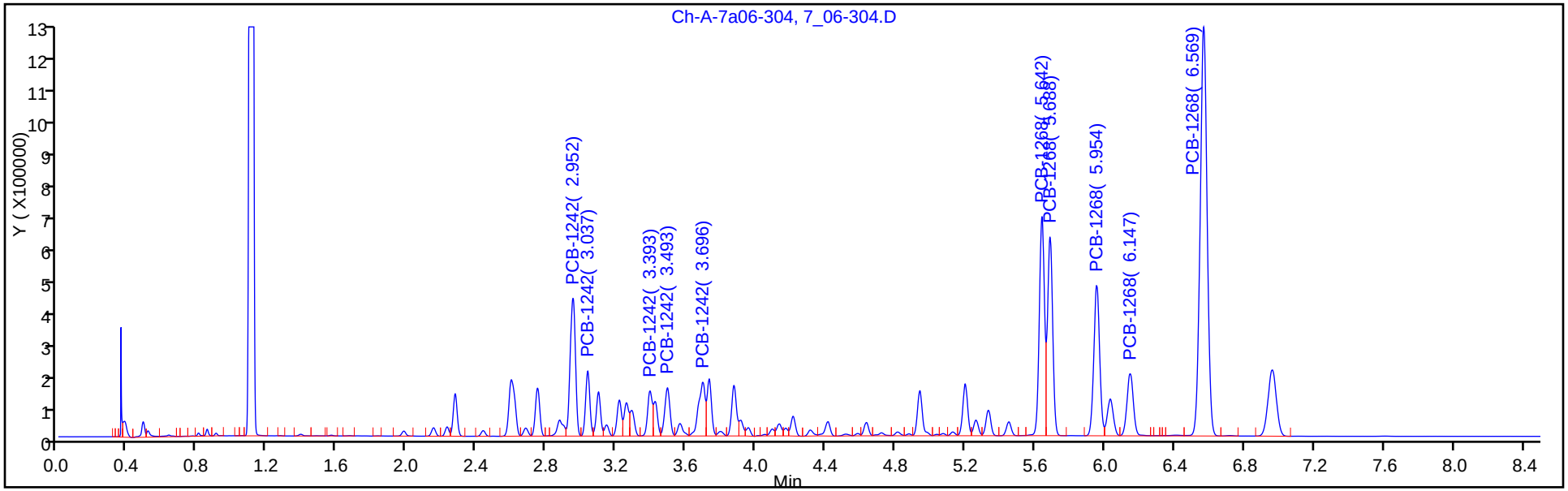
Report Date: 08-Jun-2016 18:28:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

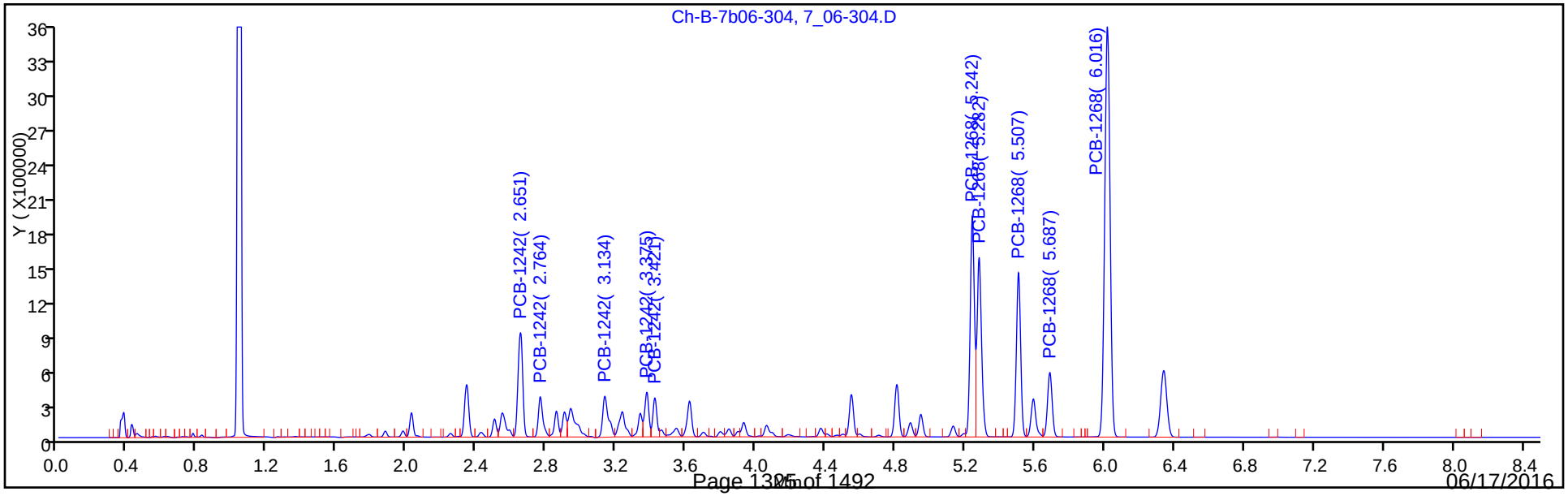
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-304.D

Injection Date:	08-Jun-2016 17:30:58	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/7 Calibration Date: 06/08/2016 17:30

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-304.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0715	0.0821		0.575	0.500	14.9	20.0
PCB-1242 Peak 2	Ave	0.0268	0.0305		0.568	0.500	13.6	20.0
PCB-1242 Peak 3	Ave	0.0330	0.0395		0.598	0.500	19.6	20.0
PCB-1242 Peak 4	Ave	0.0270	0.0315		0.583	0.500	16.7	20.0
PCB-1242 Peak 5	Ave	0.0225	0.0261		0.578	0.500	15.6	20.0
PCB-1268 Peak 1	Ave	0.1194	0.1539		0.644	0.500	28.9*	20.0
PCB-1268 Peak 2	Ave	0.1151	0.1351		0.587	0.500	17.3	20.0
PCB-1268 Peak 3	Ave	0.0960	0.1170		0.609	0.500	21.8*	20.0
PCB-1268 Peak 4	Ave	0.0427	0.0500		0.585	0.500	17.0	20.0
PCB-1268 Peak 5	Ave	0.3281	0.3664		0.558	0.500	11.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/7 Calibration Date: 06/08/2016 17:30

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-304.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.65	2.62	2.68
PCB-1242 Peak 2	2.76	2.73	2.79
PCB-1242 Peak 3	3.13	3.10	3.16
PCB-1242 Peak 4	3.38	3.35	3.41
PCB-1242 Peak 5	3.42	3.39	3.45
PCB-1268 Peak 1	5.24	5.21	5.27
PCB-1268 Peak 2	5.28	5.25	5.31
PCB-1268 Peak 3	5.51	5.48	5.54
PCB-1268 Peak 4	5.69	5.66	5.72
PCB-1268 Peak 5	6.02	5.99	6.05

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-304.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 17:30:58 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:27 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.108	1.108	0.000	12111077	0.5000	0.5000	
2	1.039	1.039	0.000	20490760	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.952	2.952	0.000	916880	0.5000	0.5836	
1	3.037	3.037	0.000	344192	0.5000	0.5789	
1	3.393	3.393	0.000	261950	0.5000	0.5761	
1	3.493	3.493	0.000	310094	0.5000	0.5749	
1	3.696	3.696	0.000	446486	0.5000	0.5831	
		Average of Peak Amounts =				0.5793	
2	2.651	2.651	0.000	1682955	0.5000	0.5747	
2	2.764	2.764	0.000	624352	0.5000	0.5681	
2	3.134	3.134	0.000	809539	0.5000	0.5978	
2	3.375	3.375	0.000	645445	0.5000	0.5834	
2	3.421	3.421	0.000	533744	0.5000	0.5780	
		Average of Peak Amounts =				0.5804	
						RPD = 0.19	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.642	5.642	0.000	1407630	0.5000	0.5688	
1	5.688	5.688	0.000	1273241	0.5000	0.5743	
1	5.954	5.954	0.000	1095091	0.5000	0.5666	
1	6.147	6.147	0.000	496006	0.5000	0.6004	
1	6.569	6.569	0.000	3532756	0.5000	0.5636	
		Average of Peak Amounts =				0.5748	
2	5.242	5.242	0.000	3153988	0.5000	0.6444	
2	5.282	5.282	0.000	2767422	0.5000	0.5866	
2	5.507	5.507	0.000	2396758	0.5000	0.6091	
2	5.687	5.687	0.000	1023719	0.5000	0.5849	
2	6.016	6.016	0.000	7507592	0.5000	0.5583	
		Average of Peak Amounts =				0.5966	
						RPD = 3.74	

Reagents:

42-68w/IS@0.5_00005 Amount Added: 1.00 Units: mL

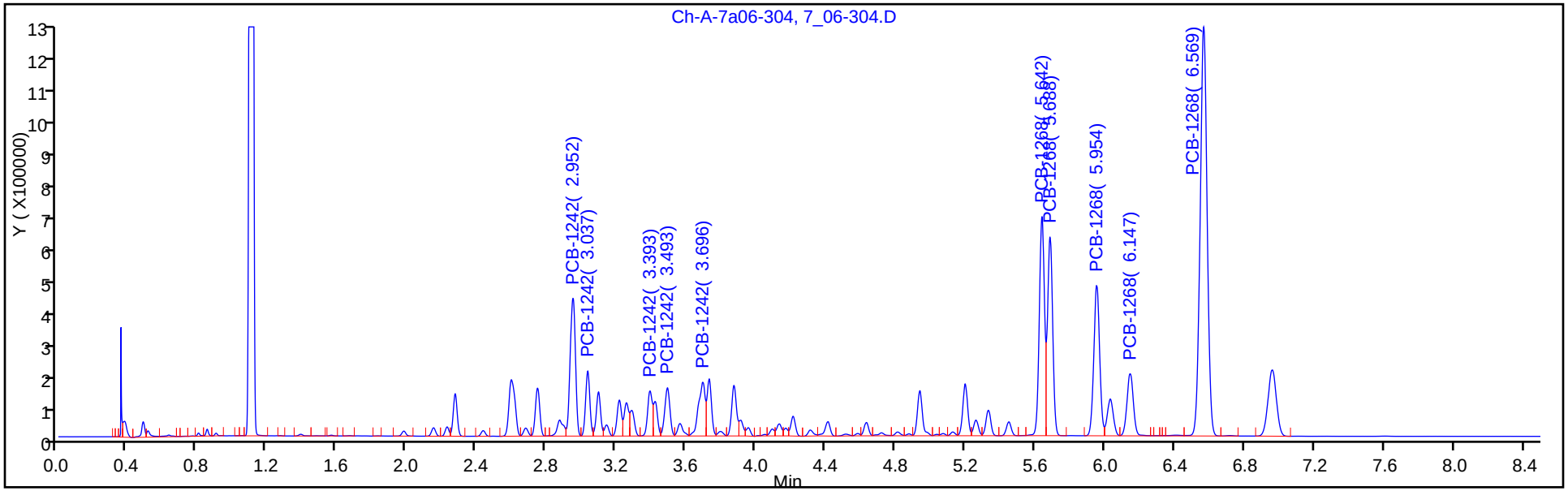
Report Date: 08-Jun-2016 18:28:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

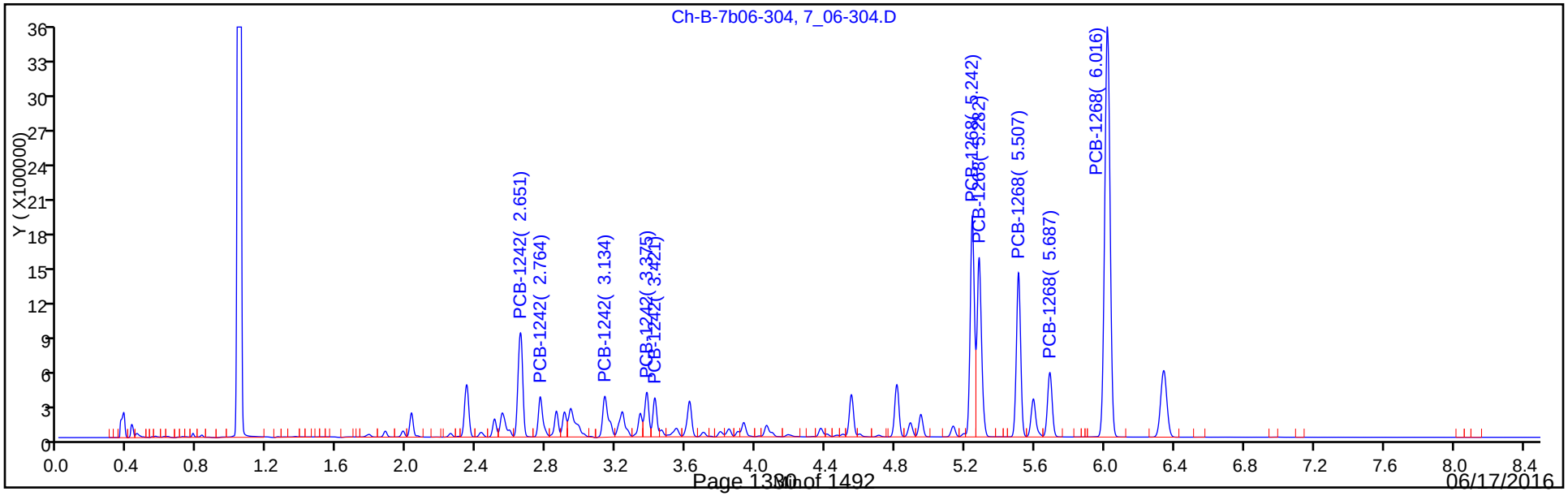
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-304.D

Injection Date:	08-Jun-2016 17:30:58	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/8 Calibration Date: 06/08/2016 17:49

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-305.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0441	0.0498		0.564	0.500	12.8	20.0
PCB-1248 Peak 2	Ave	0.0342	0.0385		0.562	0.500	12.4	20.0
PCB-1248 Peak 3	Ave	0.0536	0.0620		0.578	0.500	15.6	20.0
PCB-1248 Peak 4	Ave	0.0403	0.0457		0.567	0.500	13.4	20.0
PCB-1248 Peak 5	Ave	0.0344	0.0388		0.565	0.500	12.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/8 Calibration Date: 06/08/2016 17:49

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-305.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.39	3.36	3.42
PCB-1248 Peak 2	3.50	3.47	3.53
PCB-1248 Peak 3	3.70	3.67	3.73
PCB-1248 Peak 4	3.73	3.70	3.76
PCB-1248 Peak 5	3.88	3.85	3.91

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-305.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 17:49:37 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:30 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 18:27:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.108	1.108	0.000	12269241	0.5000	0.5000	
2	1.039	1.039	0.000	20725880	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.393	3.393	0.000	610488	0.5000	0.5642	
1	3.495	3.495	0.000	471950	0.5000	0.5622	
1	3.698	3.698	0.000	760828	0.5000	0.5782	
1	3.734	3.734	0.000	560267	0.5000	0.5671	
1	3.875	3.875	0.000	476038	0.5000	0.5646	
		Average of Peak Amounts =				0.5673	
2	3.133	3.133	0.000	914765	0.5000	0.5860	M
2	3.235	3.235	0.000	800370	0.5000	0.5810	
2	3.375	3.375	0.000	1119814	0.5000	0.5614	
2	3.422	3.422	0.000	854984	0.5000	0.5659	
2	3.621	3.621	0.000	919828	0.5000	0.5950	
		Average of Peak Amounts =				0.5779	
						RPD = 1.84	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00005 Amount Added: 1.00 Units: mL

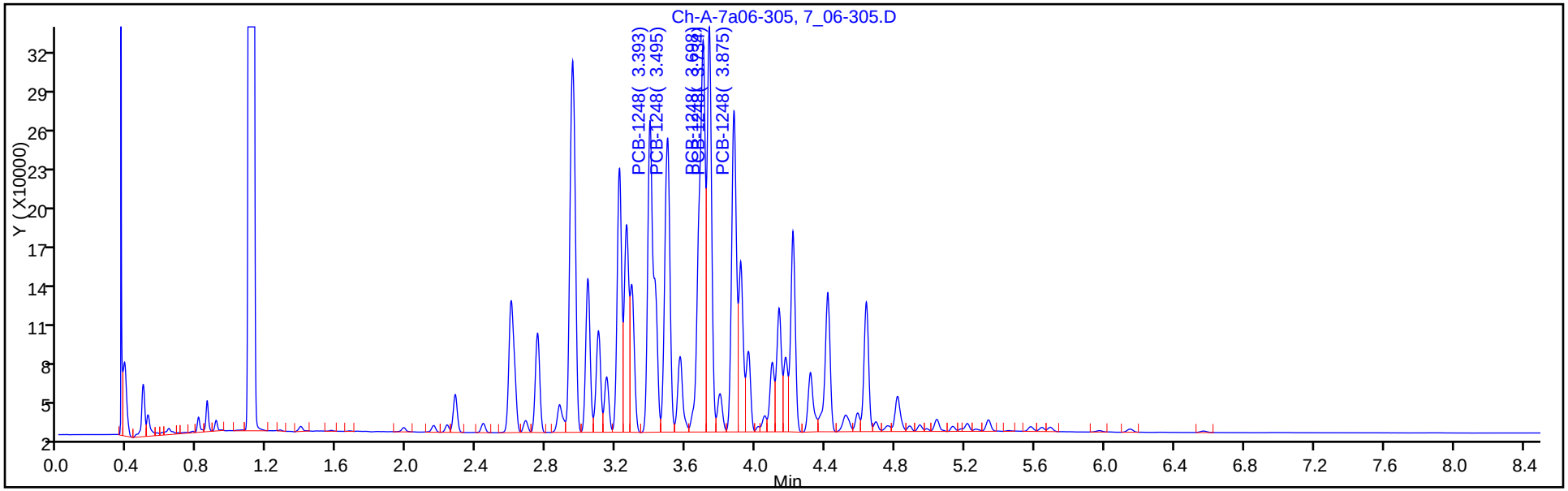
Report Date: 08-Jun-2016 18:28:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

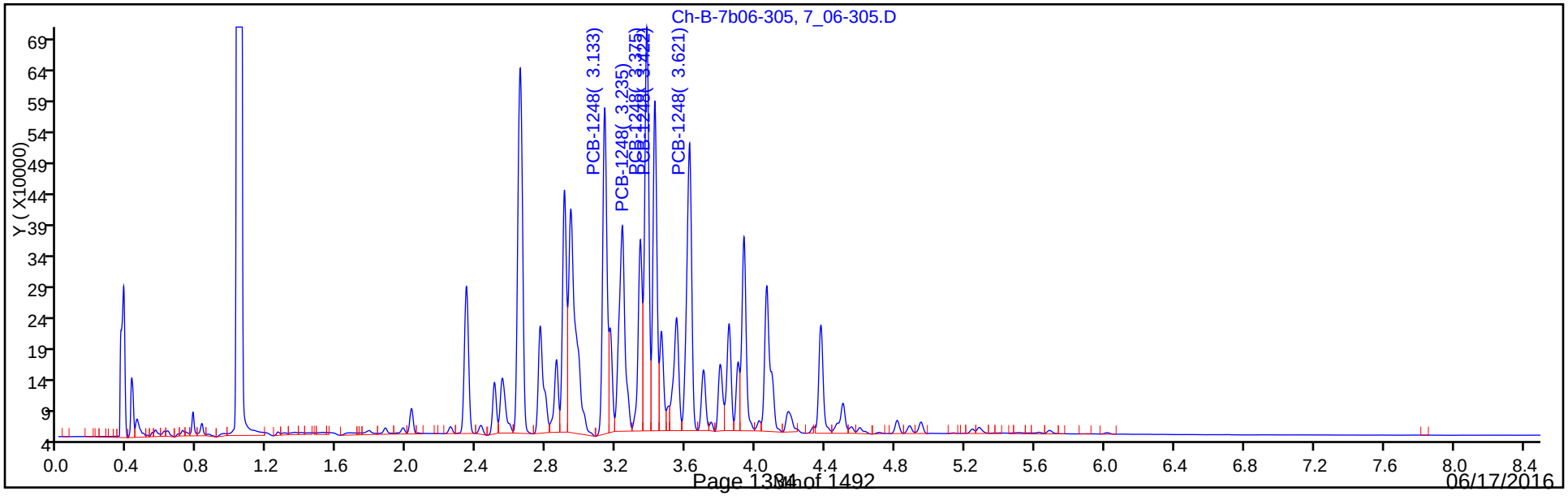
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-305.D

Injection Date:	08-Jun-2016 17:49:37	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/8 Calibration Date: 06/08/2016 17:49

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-305.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0377	0.0441		0.586	0.500	17.2	20.0
PCB-1248 Peak 2	Ave	0.0332	0.0386		0.581	0.500	16.2	20.0
PCB-1248 Peak 3	Ave	0.0481	0.0540		0.561	0.500	12.3	20.0
PCB-1248 Peak 4	Ave	0.0364	0.0413		0.566	0.500	13.2	20.0
PCB-1248 Peak 5	Ave	0.0373	0.0444		0.595	0.500	19.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/8 Calibration Date: 06/08/2016 17:49

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-305.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.13	3.10	3.16
PCB-1248 Peak 2	3.24	3.21	3.27
PCB-1248 Peak 3	3.38	3.35	3.41
PCB-1248 Peak 4	3.42	3.39	3.45
PCB-1248 Peak 5	3.62	3.59	3.65

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-305.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Jun-2016 17:49:37 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-Jun-2016 18:28:30 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: sobolk Date: 08-Jun-2016 18:27:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.108	1.108	0.000	12269241	0.5000	0.5000	
2	1.039	1.039	0.000	20725880	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.393	3.393	0.000	610488	0.5000	0.5642	
1	3.495	3.495	0.000	471950	0.5000	0.5622	
1	3.698	3.698	0.000	760828	0.5000	0.5782	
1	3.734	3.734	0.000	560267	0.5000	0.5671	
1	3.875	3.875	0.000	476038	0.5000	0.5646	
		Average of Peak Amounts =				0.5673	
2	3.133	3.133	0.000	914765	0.5000	0.5860	M
2	3.235	3.235	0.000	800370	0.5000	0.5810	
2	3.375	3.375	0.000	1119814	0.5000	0.5614	
2	3.422	3.422	0.000	854984	0.5000	0.5659	
2	3.621	3.621	0.000	919828	0.5000	0.5950	
		Average of Peak Amounts =				0.5779	
						RPD = 1.84	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00005 Amount Added: 1.00 Units: mL

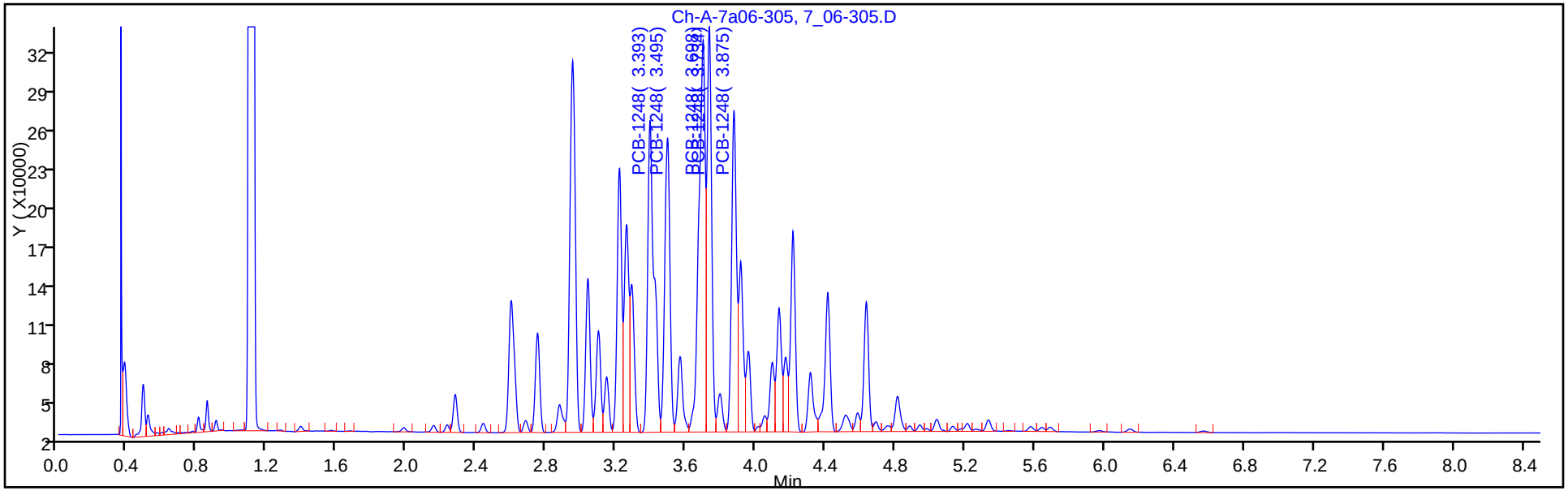
Report Date: 08-Jun-2016 18:28:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

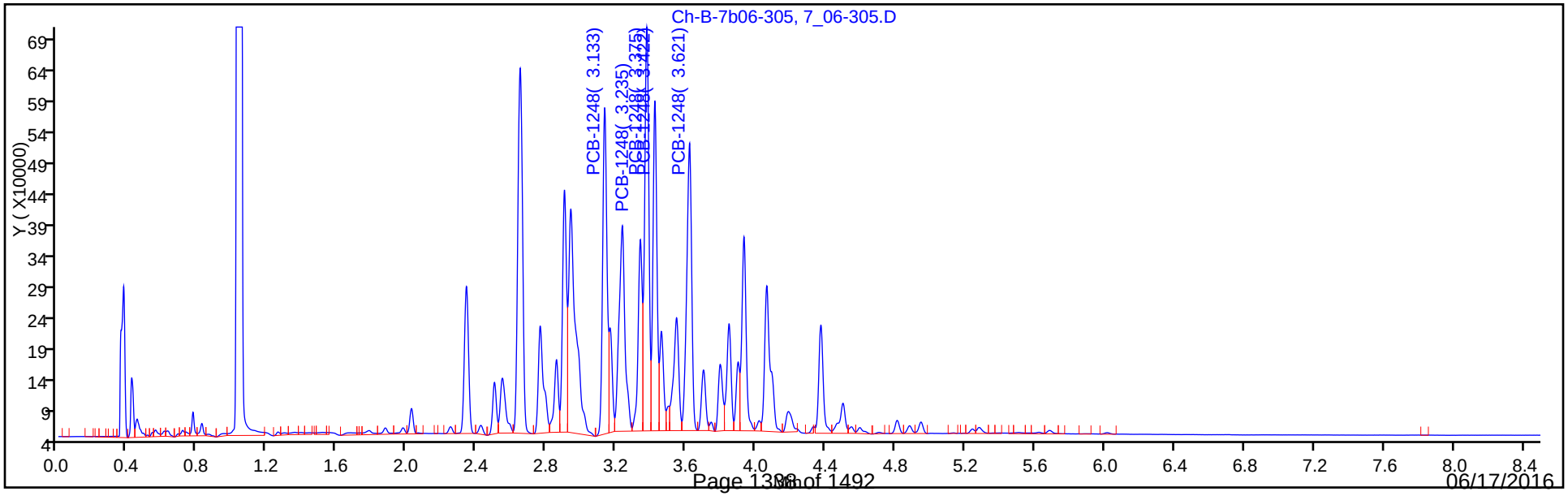
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-305.D

Injection Date:	08-Jun-2016 17:49:37	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 08-Jun-2016 18:28:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-305.D

Injection Date: 08-Jun-2016 17:49:37 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

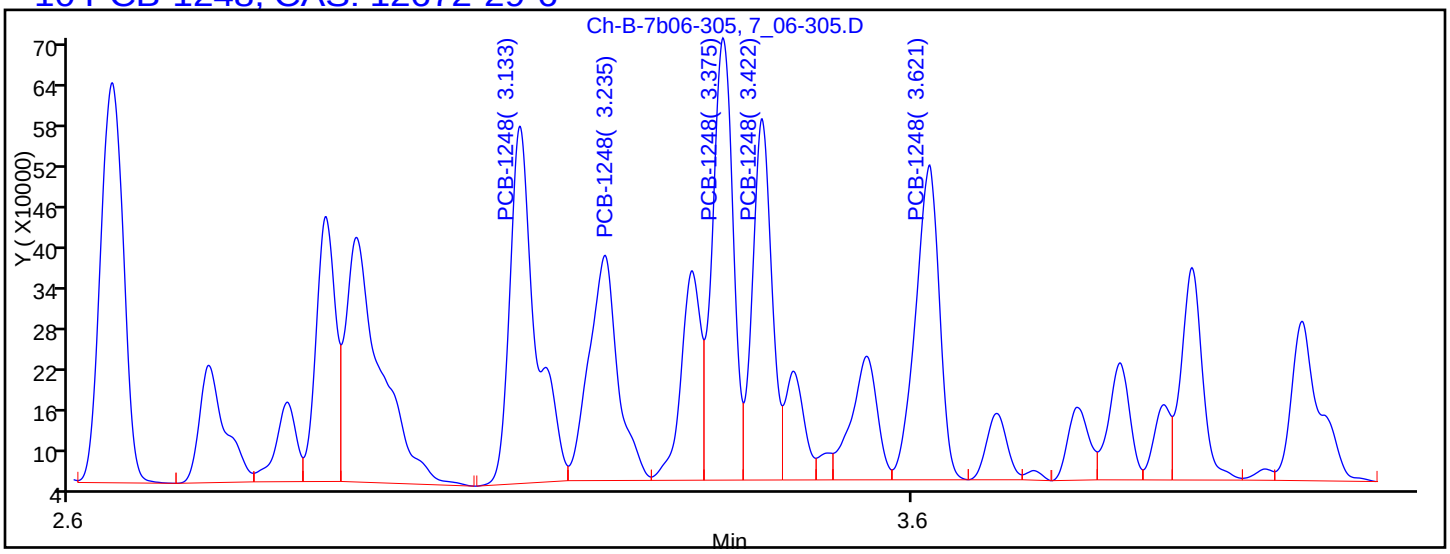
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

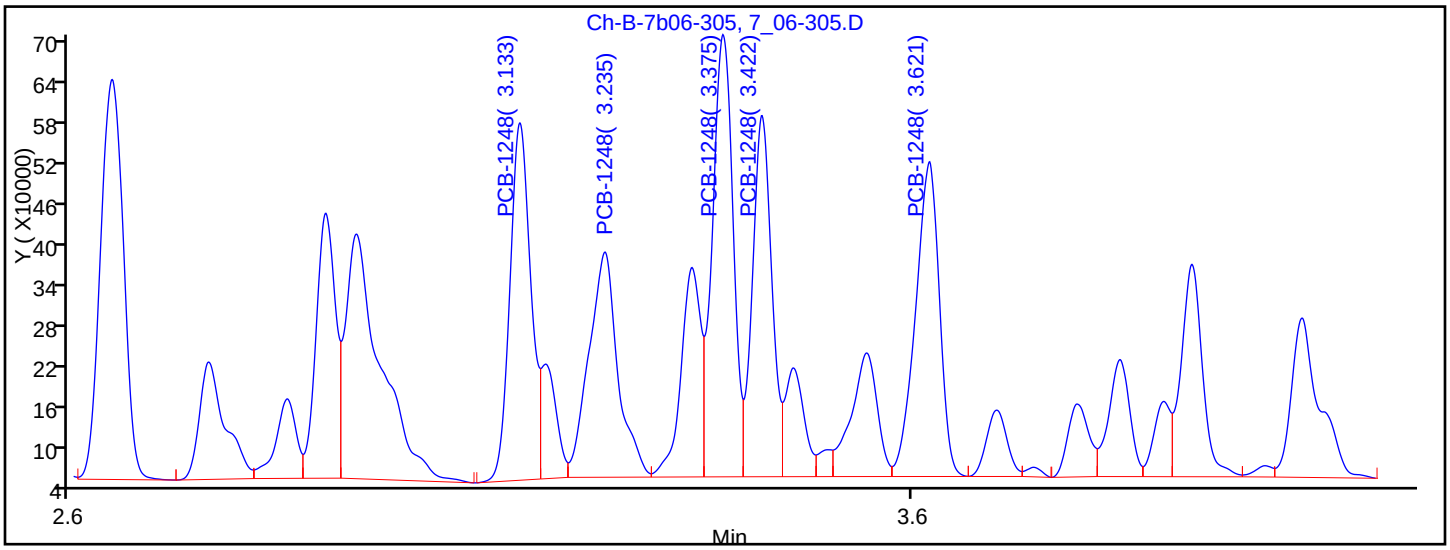
RT = 3.133 Response = 1125905 M

RT = 3.235 Response = 800370

RT = 3.375 Response = 1119814

RT = 3.422 Response = 854984

RT = 3.621 Response = 919828



Manual Integration Results

RT = 3.133 Response = 914765 M

RT = 3.235 Response = 800370

RT = 3.375 Response = 1119814

RT = 3.422 Response = 854984

RT = 3.621 Response = 919828

Reviewer: sobolk, 08-Jun-2016 18:27:35

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/30 Calibration Date: 06/09/2016 00:40

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-327.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0453	0.0450		0.496	0.500	-0.7	20.0
PCB-1016 Peak 2	Ave	0.0278	0.0280		0.503	0.500	0.6	20.0
PCB-1016 Peak 3	Ave	0.0914	0.0964		0.527	0.500	5.5	20.0
PCB-1016 Peak 4	Ave	0.0362	0.0363		0.502	0.500	0.4	20.0
PCB-1016 Peak 5	Ave	0.0243	0.0250		0.515	0.500	3.0	20.0
PCB-1260 Peak 1	Ave	0.0730	0.0733		0.502	0.500	0.4	20.0
PCB-1260 Peak 2	Ave	0.0419	0.0415		0.495	0.500	-1.1	20.0
PCB-1260 Peak 3	Ave	0.0396	0.0390		0.492	0.500	-1.6	20.0
PCB-1260 Peak 4	Ave	0.0948	0.0946		0.499	0.500	-0.2	20.0
PCB-1260 Peak 5	Ave	0.0468	0.0444		0.475	0.500	-5.0	20.0
Tetrachloro-m-xylene	Ave	1.430	1.423		0.0299	0.0300	-0.5	20.0
DCB Decachlorobiphenyl	Lin1		0.7215		0.0288	0.0300	-3.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/30 Calibration Date: 06/09/2016 00:40

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-327.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.60	2.57	2.63
PCB-1016 Peak 2	2.75	2.72	2.78
PCB-1016 Peak 3	2.95	2.92	2.98
PCB-1016 Peak 4	3.04	3.01	3.07
PCB-1016 Peak 5	3.10	3.07	3.13
PCB-1260 Peak 1	4.81	4.78	4.84
PCB-1260 Peak 2	4.94	4.91	4.97
PCB-1260 Peak 3	5.13	5.10	5.16
PCB-1260 Peak 4	5.34	5.31	5.37
PCB-1260 Peak 5	5.58	5.55	5.61
Tetrachloro-m-xylene	2.02	1.99	2.05
DCB Decachlorobiphenyl	6.97	6.91	7.03

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-327.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 00:40:11 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub12

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:28 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.115	1.115	0.000	12510034	0.5000	0.5000	
2	1.047	1.047	0.000	21180196	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.020	2.020	0.000	1068367	0.0300	0.0299	
2	1.638	1.638	0.000	1549371	0.0300	0.0299	
						RPD = 0.01	
9 PCB-1016							
1	2.602	2.602	0.000	562752	0.5000	0.4965	
1	2.751	2.751	0.000	350446	0.5000	0.5031	
1	2.954	2.954	0.000	1205966	0.5000	0.5275	
1	3.038	3.038	0.000	454567	0.5000	0.5021	
1	3.099	3.099	0.000	312804	0.5000	0.5151	
		Average of Peak Amounts =				0.5088	
2	2.343	2.343	0.000	997051	0.5000	0.5148	
2	2.653	2.653	0.000	2194487	0.5000	0.5151	
2	2.766	2.766	0.000	825797	0.5000	0.5195	
2	2.860	2.860	0.000	489613	0.5000	0.5427	
2	3.137	3.137	0.000	1008867	0.5000	0.4998	
		Average of Peak Amounts =				0.5184	
						RPD = 1.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.813	4.813	0.000	916522	0.5000	0.5018	
1	4.942	4.942	0.000	518821	0.5000	0.4946	
1	5.133	5.133	0.000	487323	0.5000	0.4921	
1	5.337	5.337	0.000	1183685	0.5000	0.4990	
1	5.578	5.578	0.000	555755	0.5000	0.4749	
		Average of Peak Amounts =				0.4925	
2	4.501	4.501	0.000	1216564	0.5000	0.5336	
2	4.549	4.549	0.000	1142633	0.5000	0.5612	
2	4.811	4.811	0.000	1074616	0.5000	0.5273	
2	4.948	4.948	0.000	2772198	0.5000	0.5697	
2	5.282	5.282	0.000	1503727	0.5000	0.5270	
		Average of Peak Amounts =				0.5437	
						RPD = 9.89	
2 1260 Res 1							
1	5.643	5.643	0.000	260403	NC	NC	
2	4.878	4.878	0.000	842482	NC	NC	
4 1260 Res 2							
1	5.691	5.691	0.000	312192	NC	NC	
2	5.061	5.061	0.000	1180	NC	NC	
3 1260 Res 3							
1	5.808	5.808	0.000	20930	NC	NC	
2	5.000	5.000	0.000	43706	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.965	6.965	0.000	541580	0.0300	0.0288	
2	6.339	6.339	0.000	1162006	0.0300	0.0311	
						RPD = 7.72	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

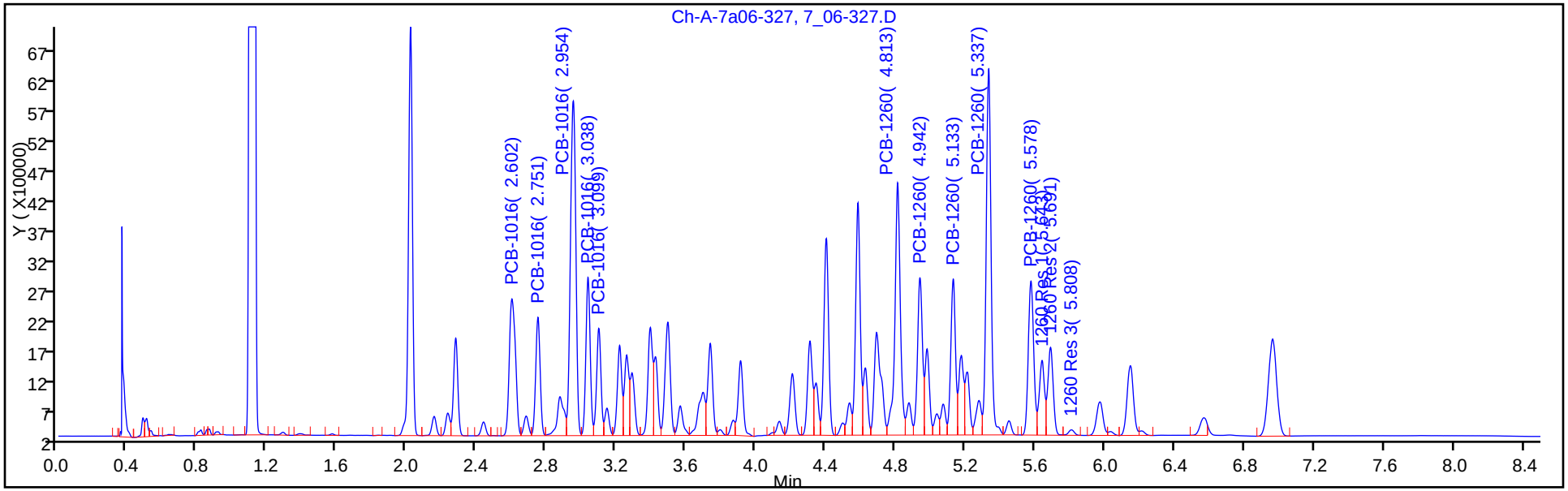
Report Date: 09-Jun-2016 02:02:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

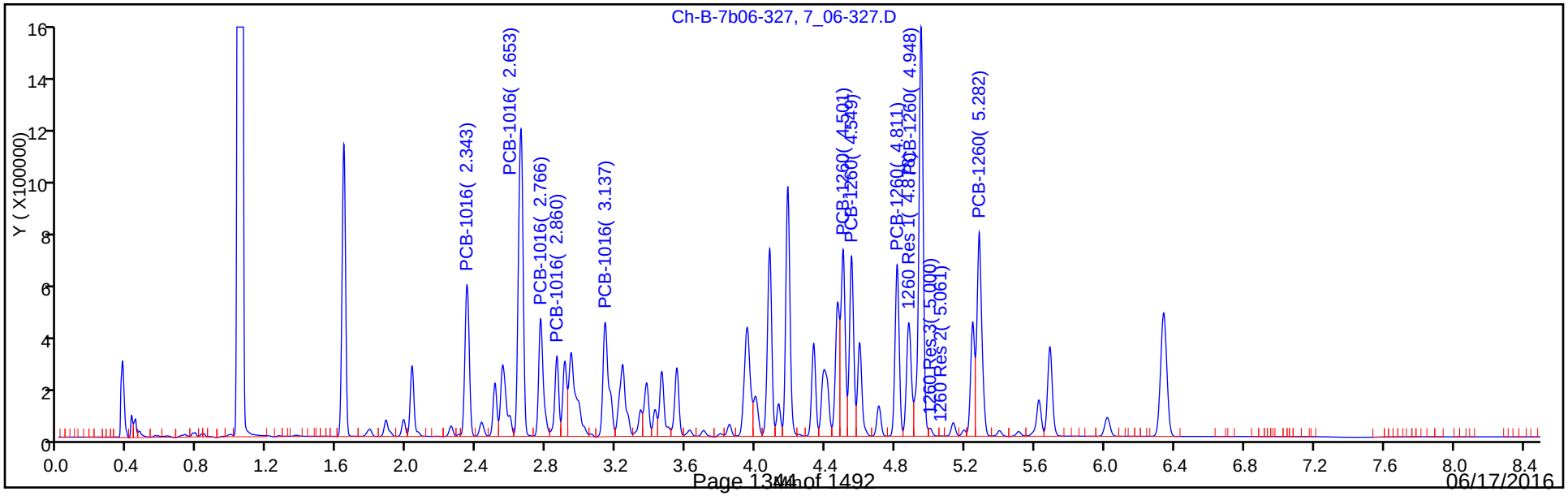
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-327.D

Injection Date:	09-Jun-2016 00:40:11	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/30 Calibration Date: 06/09/2016 00:40

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-327.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0457	0.0471		0.515	0.500	3.0	20.0
PCB-1016 Peak 2	Ave	0.1006	0.1036		0.515	0.500	3.0	20.0
PCB-1016 Peak 3	Ave	0.0375	0.0390		0.519	0.500	3.9	20.0
PCB-1016 Peak 4	Ave	0.0213	0.0231		0.543	0.500	8.5	20.0
PCB-1016 Peak 5	Ave	0.0477	0.0476		0.500	0.500	-0.0	20.0
PCB-1260 Peak 1	Ave	0.0538	0.0574		0.534	0.500	6.7	20.0
PCB-1260 Peak 2	Ave	0.0481	0.0540		0.561	0.500	12.2	20.0
PCB-1260 Peak 3	Ave	0.0481	0.0507		0.527	0.500	5.5	20.0
PCB-1260 Peak 4	Ave	0.1149	0.1309		0.570	0.500	13.9	20.0
PCB-1260 Peak 5	Ave	0.0674	0.0710		0.527	0.500	5.4	20.0
Tetrachloro-m-xylene	Ave	1.225	1.219		0.0299	0.0300	-0.5	20.0
DCB Decachlorobiphenyl	Lin1		0.9144		0.0311	0.0300	3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/30 Calibration Date: 06/09/2016 00:40

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 16:57

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 18:50

Lab File ID: 7_06-327.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.34	2.31	2.37
PCB-1016 Peak 2	2.65	2.62	2.68
PCB-1016 Peak 3	2.77	2.74	2.80
PCB-1016 Peak 4	2.86	2.83	2.89
PCB-1016 Peak 5	3.14	3.11	3.17
PCB-1260 Peak 1	4.50	4.47	4.53
PCB-1260 Peak 2	4.55	4.52	4.58
PCB-1260 Peak 3	4.81	4.78	4.84
PCB-1260 Peak 4	4.95	4.92	4.98
PCB-1260 Peak 5	5.28	5.25	5.31
Tetrachloro-m-xylene	1.64	1.61	1.67
DCB Decachlorobiphenyl	6.34	6.28	6.40

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-327.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 00:40:11 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub12

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:28 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.115	1.115	0.000	12510034	0.5000	0.5000	
2	1.047	1.047	0.000	21180196	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.020	2.020	0.000	1068367	0.0300	0.0299	
2	1.638	1.638	0.000	1549371	0.0300	0.0299	
						RPD = 0.01	
9 PCB-1016							
1	2.602	2.602	0.000	562752	0.5000	0.4965	
1	2.751	2.751	0.000	350446	0.5000	0.5031	
1	2.954	2.954	0.000	1205966	0.5000	0.5275	
1	3.038	3.038	0.000	454567	0.5000	0.5021	
1	3.099	3.099	0.000	312804	0.5000	0.5151	
		Average of Peak Amounts =				0.5088	
2	2.343	2.343	0.000	997051	0.5000	0.5148	
2	2.653	2.653	0.000	2194487	0.5000	0.5151	
2	2.766	2.766	0.000	825797	0.5000	0.5195	
2	2.860	2.860	0.000	489613	0.5000	0.5427	
2	3.137	3.137	0.000	1008867	0.5000	0.4998	
		Average of Peak Amounts =				0.5184	
						RPD = 1.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.813	4.813	0.000	916522	0.5000	0.5018	
1	4.942	4.942	0.000	518821	0.5000	0.4946	
1	5.133	5.133	0.000	487323	0.5000	0.4921	
1	5.337	5.337	0.000	1183685	0.5000	0.4990	
1	5.578	5.578	0.000	555755	0.5000	0.4749	
		Average of Peak Amounts =				0.4925	
2	4.501	4.501	0.000	1216564	0.5000	0.5336	
2	4.549	4.549	0.000	1142633	0.5000	0.5612	
2	4.811	4.811	0.000	1074616	0.5000	0.5273	
2	4.948	4.948	0.000	2772198	0.5000	0.5697	
2	5.282	5.282	0.000	1503727	0.5000	0.5270	
		Average of Peak Amounts =				0.5437	
						RPD = 9.89	
2 1260 Res 1							
1	5.643	5.643	0.000	260403	NC	NC	
2	4.878	4.878	0.000	842482	NC	NC	
4 1260 Res 2							
1	5.691	5.691	0.000	312192	NC	NC	
2	5.061	5.061	0.000	1180	NC	NC	
3 1260 Res 3							
1	5.808	5.808	0.000	20930	NC	NC	
2	5.000	5.000	0.000	43706	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.965	6.965	0.000	541580	0.0300	0.0288	
2	6.339	6.339	0.000	1162006	0.0300	0.0311	
						RPD = 7.72	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660_0.5+IS_00002	Amount Added: 1.00	Units: mL	
COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

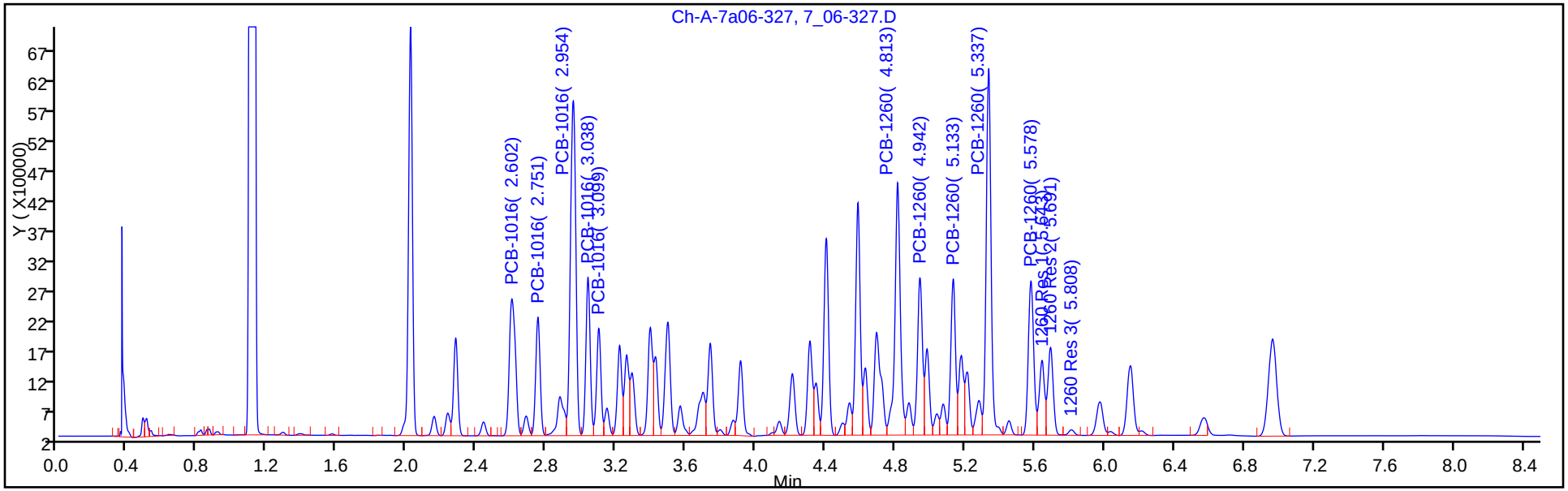
Report Date: 09-Jun-2016 02:02:34 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

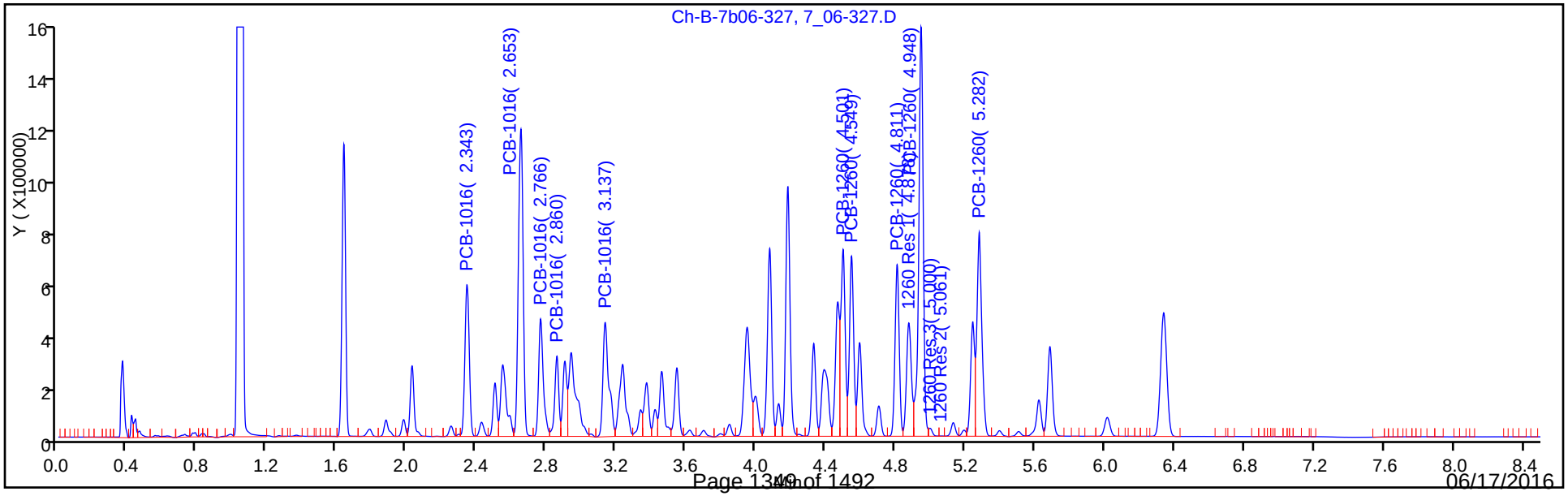
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-327.D

Injection Date:	09-Jun-2016 00:40:11	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/31 Calibration Date: 06/09/2016 00:59

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-328.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0077	0.0084		0.546	0.500	9.2	20.0
PCB-1221 Peak 2	Ave	0.0117	0.0126		0.538	0.500	7.5	20.0
PCB-1221 Peak 3	Ave	0.0074	0.0080		0.541	0.500	8.3	20.0
PCB-1221 Peak 4	Ave	0.0266	0.0290		0.544	0.500	8.9	20.0
PCB-1254 Peak 1	Ave	0.0535	0.0591		0.552	0.500	10.3	20.0
PCB-1254 Peak 2	Ave	0.0348	0.0386		0.555	0.500	11.0	20.0
PCB-1254 Peak 3	Ave	0.0635	0.0693		0.545	0.500	9.0	20.0
PCB-1254 Peak 4	Ave	0.0641	0.0703		0.549	0.500	9.7	20.0
PCB-1254 Peak 5	Ave	0.0532	0.0594		0.558	0.500	11.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/31 Calibration Date: 06/09/2016 00:59

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-328.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.57	1.54	1.60
PCB-1221 Peak 2	2.16	2.13	2.19
PCB-1221 Peak 3	2.23	2.20	2.26
PCB-1221 Peak 4	2.28	2.25	2.31
PCB-1254 Peak 1	3.92	3.89	3.95
PCB-1254 Peak 2	4.14	4.11	4.17
PCB-1254 Peak 3	4.21	4.18	4.24
PCB-1254 Peak 4	4.41	4.38	4.44
PCB-1254 Peak 5	4.82	4.79	4.85

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-328.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 00:59:38 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:38 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 01:33:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.118	1.118	0.000	12646041	0.5000	0.5000	
2	1.049	1.049	0.000	21142384	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.572	1.572	0.000	106086	0.5000	0.5459	
1	2.158	2.158	0.000	159787	0.5000	0.5377	M
1	2.234	2.234	0.000	100944	0.5000	0.5415	
1	2.281	2.281	0.000	366818	0.5000	0.5444	
		Average of Peak Amounts =				0.5424	
2	1.367	1.367	0.000	162651	0.5000	0.5206	
2	1.880	1.880	0.000	270006	0.5000	0.5326	
2	1.981	1.981	0.000	169916	0.5000	0.5269	M
2	2.029	2.029	0.000	518894	0.5000	0.5979	M
		Average of Peak Amounts =				0.5445	
						RPD = 0.39	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.915	3.915	0.000	747082	0.5000	0.5516	
1	4.135	4.135	0.000	488426	0.5000	0.5548	
1	4.214	4.214	0.000	876082	0.5000	0.5452	
1	4.413	4.413	0.000	888952	0.5000	0.5487	
1	4.815	4.815	0.000	751059	0.5000	0.5584	
		Average of Peak Amounts =				0.5518	
2	3.548	3.548	0.000	1227240	0.5000	0.5653	M
2	3.848	3.848	0.000	862127	0.5000	0.5557	M
2	3.935	3.935	0.000	1856993	0.5000	0.5549	M
2	4.066	4.066	0.000	1943058	0.5000	0.5713	M
2	4.502	4.502	0.000	1573049	0.5000	0.5624	M
		Average of Peak Amounts =				0.5619	
						RPD = 1.83	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00005 Amount Added: 1.00 Units: mL

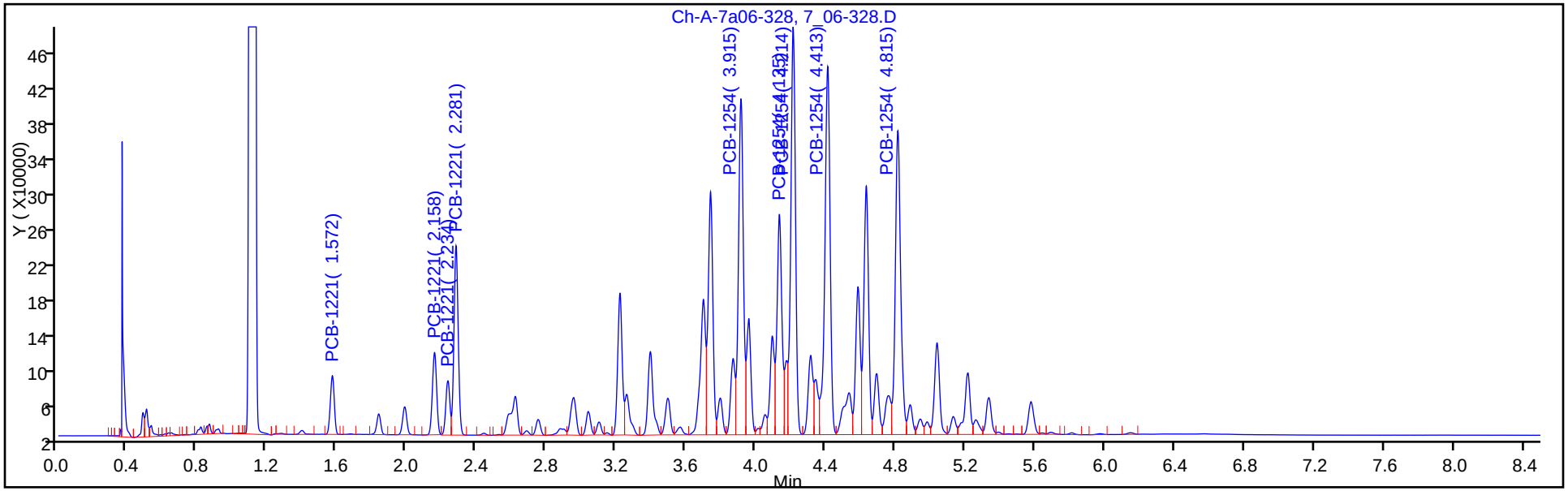
Report Date: 09-Jun-2016 02:02:39 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

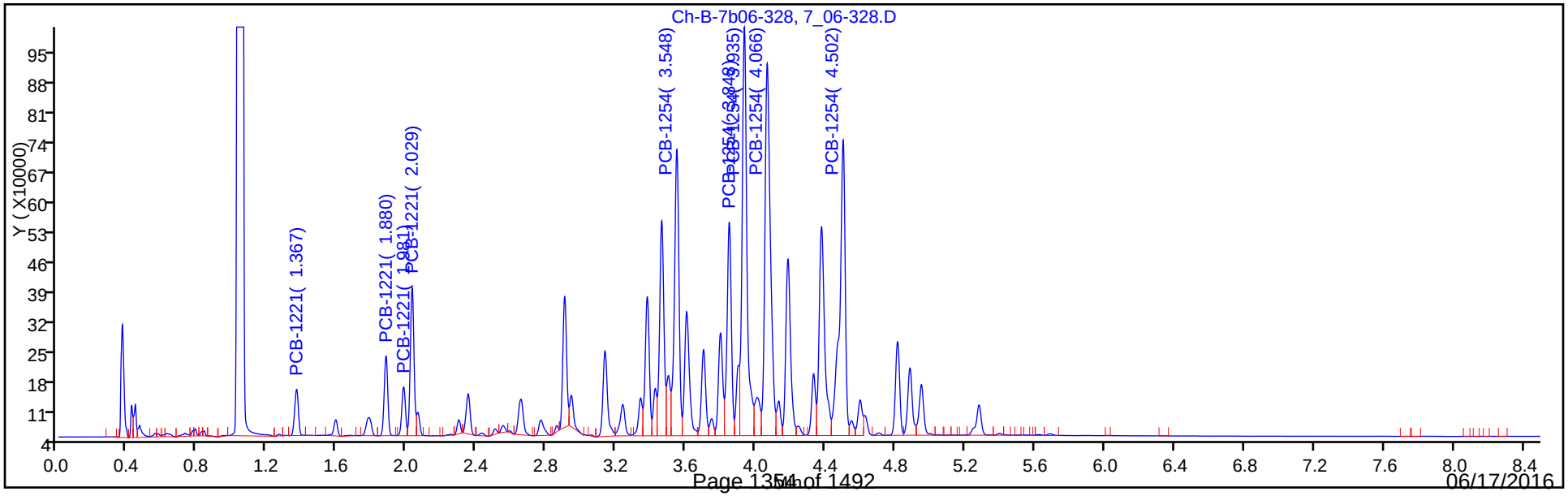
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-328.D

Injection Date:	09-Jun-2016 00:59:38	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 09-Jun-2016 02:02:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-328.D

Injection Date: 09-Jun-2016 00:59:38 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

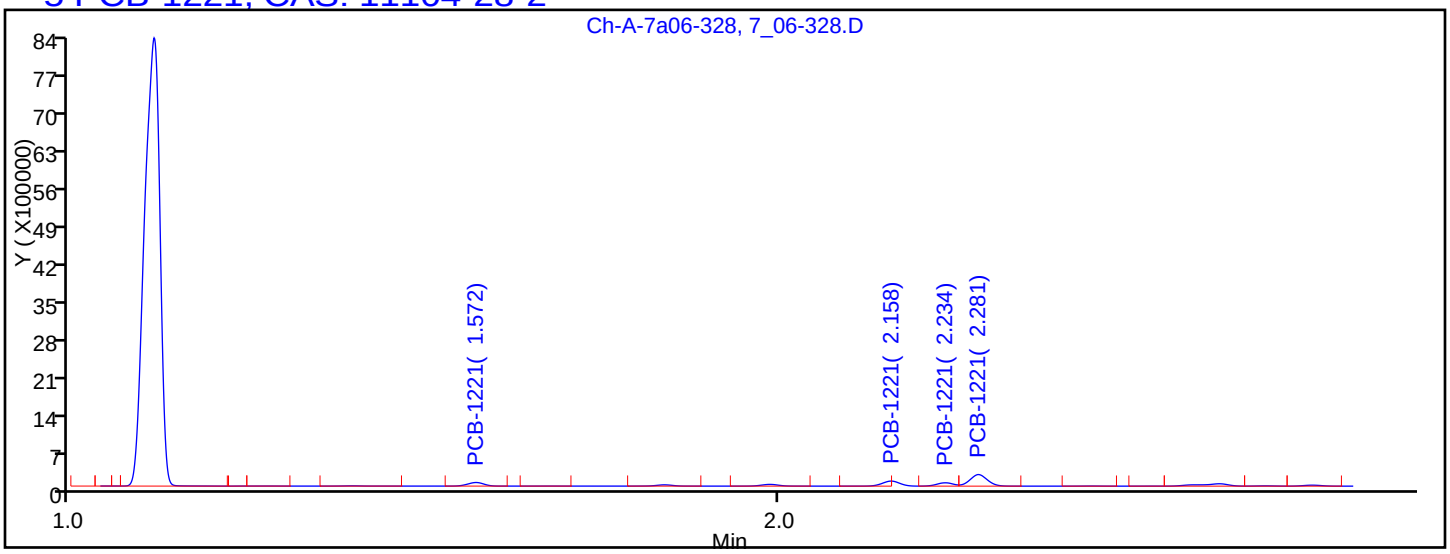
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-A-7A136

5 PCB-1221, CAS: 11104-28-2



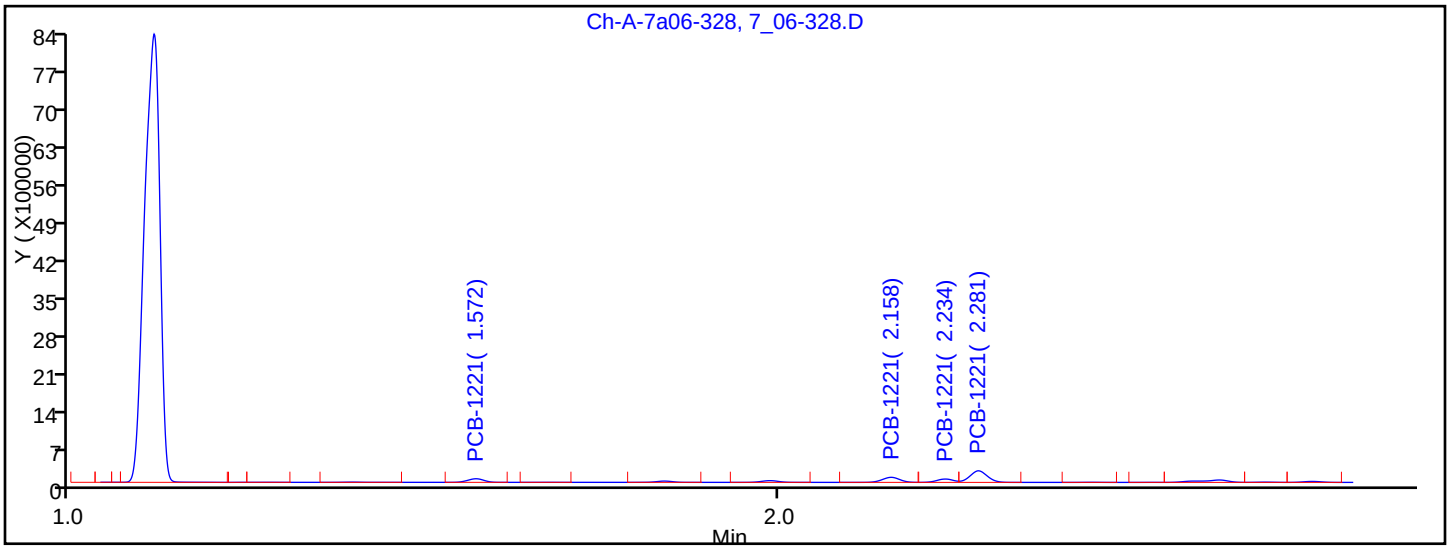
Processing Integration Results

RT = 1.572 Response = 106086

RT = 2.158 Response = 84787 M

RT = 2.234 Response = 100944

RT = 2.281 Response = 366818



Manual Integration Results

RT = 1.572 Response = 106086

RT = 2.158 Response = 159787 M

RT = 2.234 Response = 100944

RT = 2.281 Response = 366818

Reviewer: sobolk, 09-Jun-2016 01:33:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/31 Calibration Date: 06/09/2016 00:59

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-328.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0074	0.0077		0.521	0.500	4.1	20.0
PCB-1221 Peak 2	Ave	0.0120	0.0128		0.533	0.500	6.5	20.0
PCB-1221 Peak 3	Ave	0.0076	0.0080		0.527	0.500	5.4	20.0
PCB-1221 Peak 4	Ave	0.0205	0.0245		0.598	0.500	19.6	20.0
PCB-1254 Peak 1	Ave	0.0513	0.0581		0.565	0.500	13.1	20.0
PCB-1254 Peak 2	Ave	0.0367	0.0408		0.556	0.500	11.1	20.0
PCB-1254 Peak 3	Ave	0.0791	0.0878		0.555	0.500	11.0	20.0
PCB-1254 Peak 4	Ave	0.0804	0.0919		0.571	0.500	14.3	20.0
PCB-1254 Peak 5	Ave	0.0661	0.0744		0.562	0.500	12.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/31 Calibration Date: 06/09/2016 00:59

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 20:44

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 21:22

Lab File ID: 7_06-328.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.37	1.34	1.40
PCB-1221 Peak 2	1.88	1.85	1.91
PCB-1221 Peak 3	1.98	1.95	2.01
PCB-1221 Peak 4	2.03	2.00	2.06
PCB-1254 Peak 1	3.55	3.52	3.58
PCB-1254 Peak 2	3.85	3.82	3.88
PCB-1254 Peak 3	3.94	3.91	3.97
PCB-1254 Peak 4	4.07	4.04	4.10
PCB-1254 Peak 5	4.50	4.47	4.53

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-328.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 00:59:38 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:38 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 01:33:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.118	1.118	0.000	12646041	0.5000	0.5000	
2	1.049	1.049	0.000	21142384	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.572	1.572	0.000	106086	0.5000	0.5459	
1	2.158	2.158	0.000	159787	0.5000	0.5377	M
1	2.234	2.234	0.000	100944	0.5000	0.5415	
1	2.281	2.281	0.000	366818	0.5000	0.5444	
		Average of Peak Amounts =				0.5424	
2	1.367	1.367	0.000	162651	0.5000	0.5206	
2	1.880	1.880	0.000	270006	0.5000	0.5326	
2	1.981	1.981	0.000	169916	0.5000	0.5269	M
2	2.029	2.029	0.000	518894	0.5000	0.5979	M
		Average of Peak Amounts =				0.5445	
						RPD = 0.39	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.915	3.915	0.000	747082	0.5000	0.5516	
1	4.135	4.135	0.000	488426	0.5000	0.5548	
1	4.214	4.214	0.000	876082	0.5000	0.5452	
1	4.413	4.413	0.000	888952	0.5000	0.5487	
1	4.815	4.815	0.000	751059	0.5000	0.5584	
		Average of Peak Amounts =				0.5518	
2	3.548	3.548	0.000	1227240	0.5000	0.5653	M
2	3.848	3.848	0.000	862127	0.5000	0.5557	M
2	3.935	3.935	0.000	1856993	0.5000	0.5549	M
2	4.066	4.066	0.000	1943058	0.5000	0.5713	M
2	4.502	4.502	0.000	1573049	0.5000	0.5624	M
		Average of Peak Amounts =				0.5619	
						RPD = 1.83	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00005 Amount Added: 1.00 Units: mL

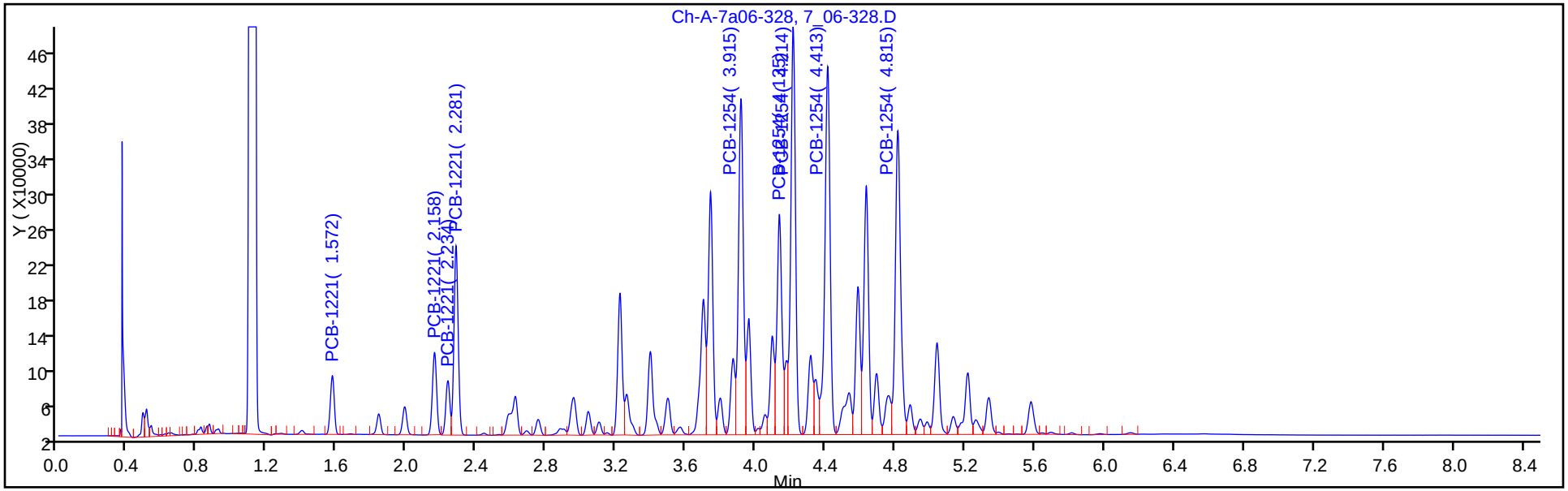
Report Date: 09-Jun-2016 02:02:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

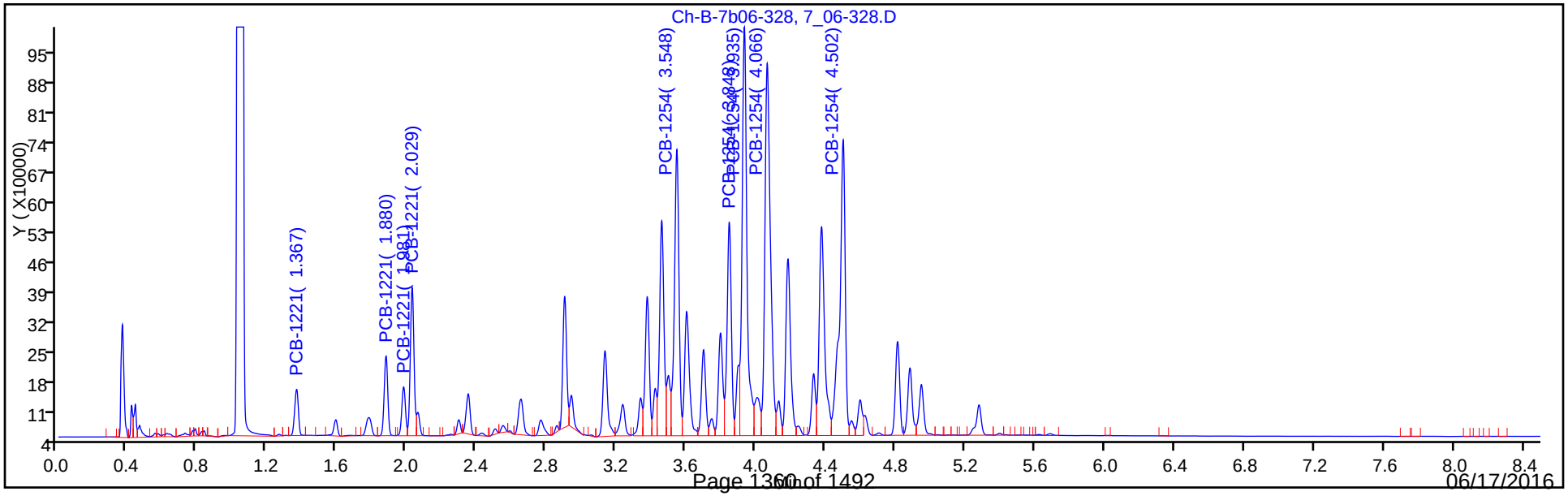
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-328.D

Injection Date:	09-Jun-2016 00:59:38	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 09-Jun-2016 02:02:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-328.D

Injection Date: 09-Jun-2016 00:59:38 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

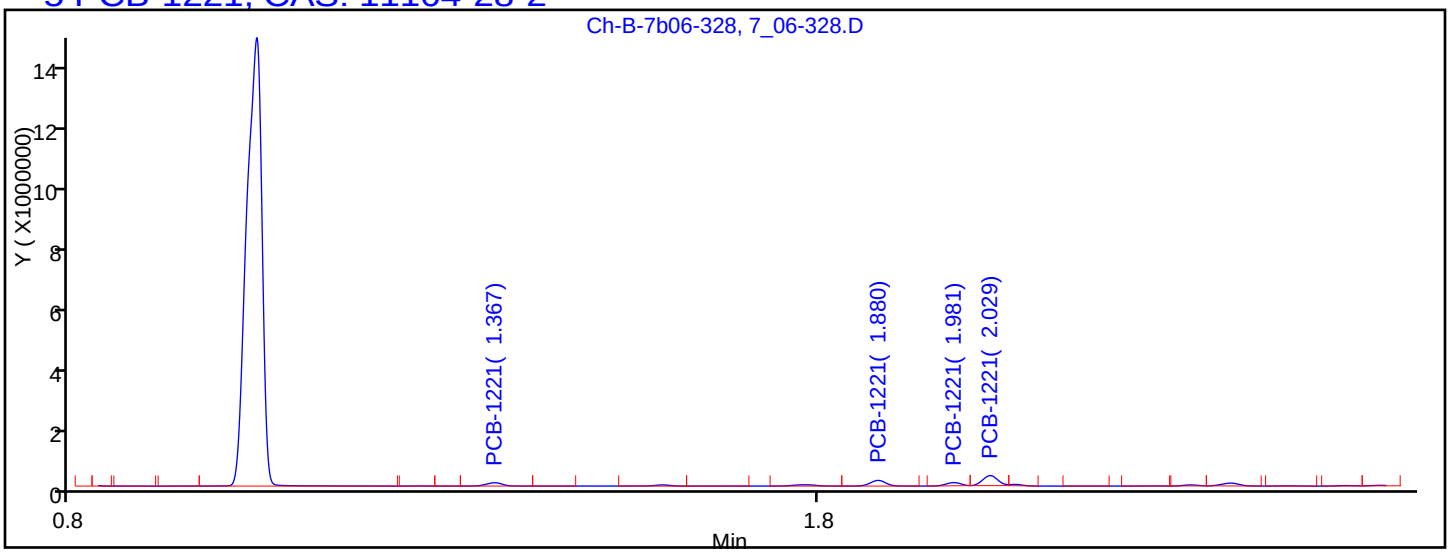
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

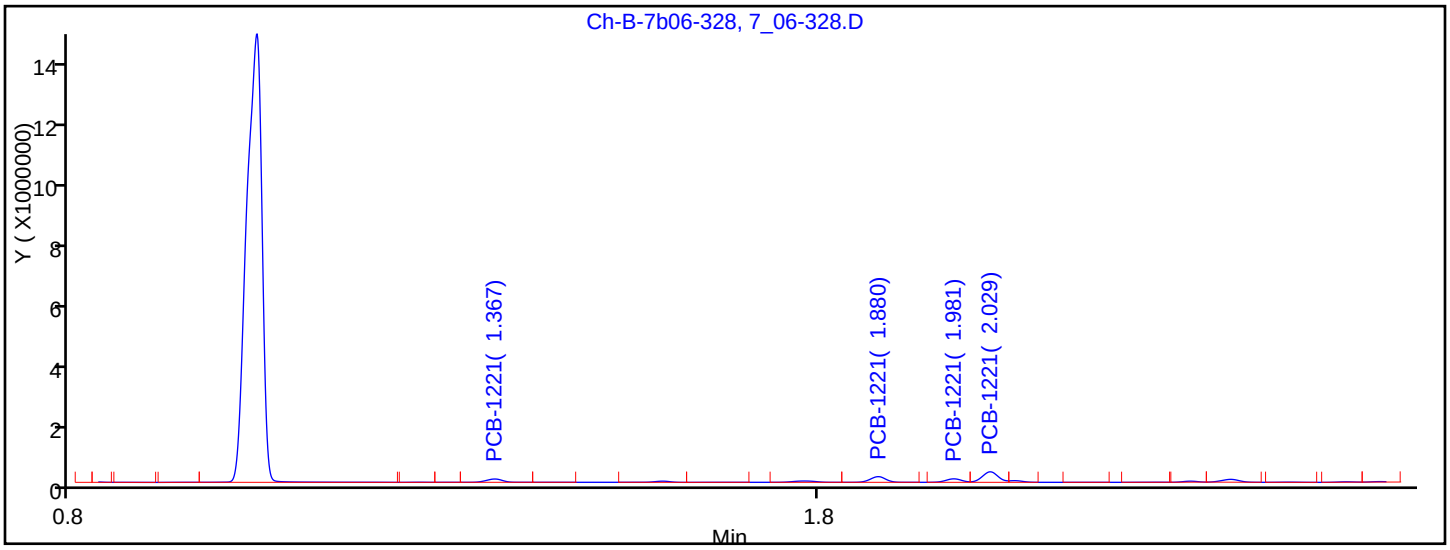
Column: Detector Ch-B-7b136

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results

RT = 1.367	Response = 162651	
RT = 1.880	Response = 270006	
RT = 1.981	Response = 145036	M
RT = 2.029	Response = 474781	M



Manual Integration Results

RT = 1.367	Response = 162651	
RT = 1.880	Response = 270006	
RT = 1.981	Response = 169916	M
RT = 2.029	Response = 518894	M

Reviewer: sobolk, 09-Jun-2016 01:33:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 09-Jun-2016 02:02:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-328.D

Injection Date: 09-Jun-2016 00:59:38 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

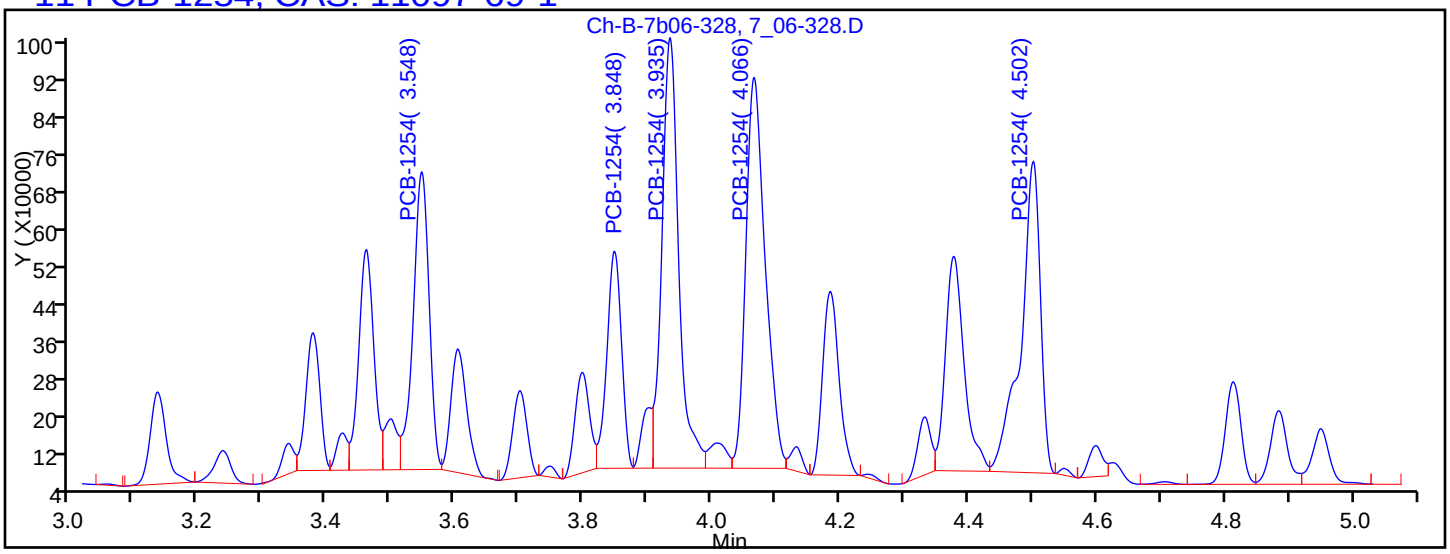
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

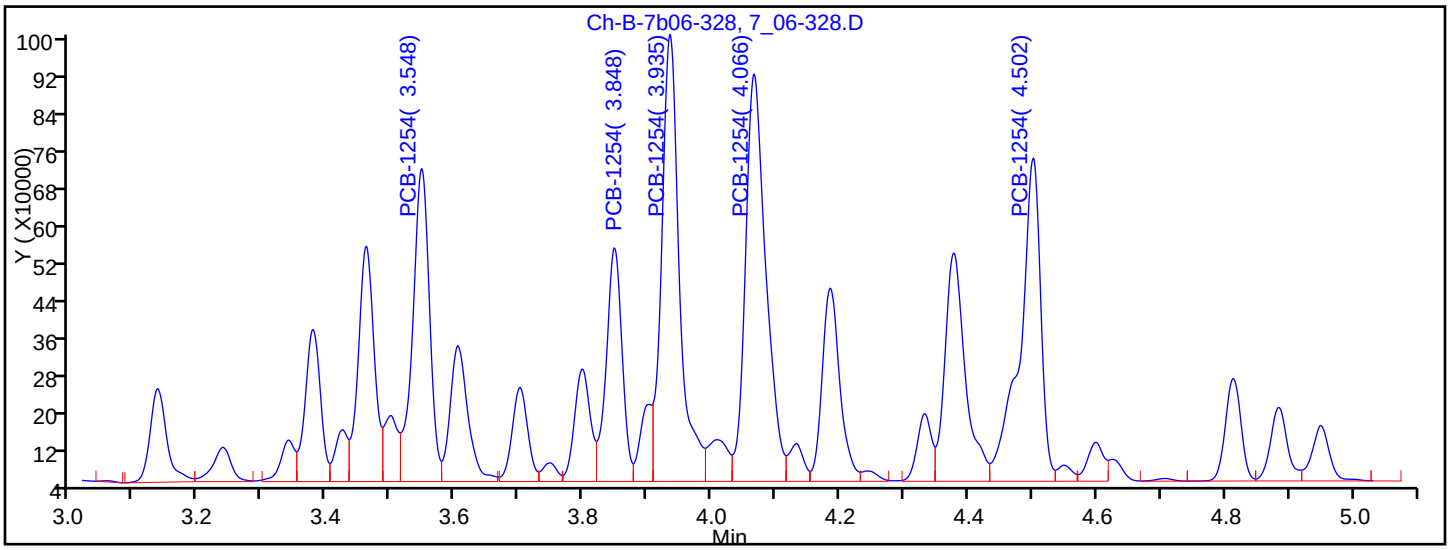
Column: Detector Ch-B-7b136

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.548	Response = 1101081	M
RT = 3.848	Response = 740336	M
RT = 3.935	Response = 1682984	M
RT = 4.066	Response = 1765884	M
RT = 4.502	Response = 1413444	M



Manual Integration Results

RT = 3.548	Response = 1227240	M
RT = 3.848	Response = 862127	M
RT = 3.935	Response = 1856993	M
RT = 4.066	Response = 1943058	M
RT = 4.502	Response = 1573049	M

Reviewer: sobolk, 09-Jun-2016 01:33:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/32 Calibration Date: 06/09/2016 01:18

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-329.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0219	0.0246		0.562	0.500	12.4	20.0
PCB-1232 Peak 2	Ave	0.0115	0.0129		0.561	0.500	12.2	20.0
PCB-1232 Peak 3	Ave	0.0375	0.0424		0.566	0.500	13.2	20.0
PCB-1232 Peak 4	Ave	0.0146	0.0165		0.563	0.500	12.6	20.0
PCB-1232 Peak 5	Ave	0.0101	0.0114		0.562	0.500	12.4	20.0
PCB-1262 Peak 1	Ave	0.0534	0.0652		0.611	0.500	22.2*	20.0
PCB-1262 Peak 2	Ave	0.0412	0.0508		0.617	0.500	23.3*	20.0
PCB-1262 Peak 3	Ave	0.0956	0.1189		0.622	0.500	24.4*	20.0
PCB-1262 Peak 4	Ave	0.0310	0.0382		0.615	0.500	22.9*	20.0
PCB-1262 Peak 5	Ave	0.0375	0.0461		0.615	0.500	22.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/32 Calibration Date: 06/09/2016 01:18

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-329.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.28	2.25	2.31
PCB-1232 Peak 2	2.75	2.72	2.78
PCB-1232 Peak 3	2.95	2.92	2.98
PCB-1232 Peak 4	3.04	3.01	3.07
PCB-1232 Peak 5	3.10	3.07	3.13
PCB-1262 Peak 1	4.94	4.91	4.97
PCB-1262 Peak 2	5.13	5.10	5.16
PCB-1262 Peak 3	5.34	5.31	5.37
PCB-1262 Peak 4	5.58	5.55	5.61
PCB-1262 Peak 5	5.69	5.66	5.72

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-329.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 01:18:15 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:43 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 01:37:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.116	1.116	0.000	12388158	0.5000	0.5000	
2	1.048	1.048	0.000	20788409	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.280	2.280	0.000	304297	0.5000	0.5618	
1	2.751	2.751	0.000	159430	0.5000	0.5612	
1	2.954	2.954	0.000	525788	0.5000	0.5660	
1	3.038	3.038	0.000	203923	0.5000	0.5631	
1	3.101	3.101	0.000	140697	0.5000	0.5622	
		Average of Peak Amounts =				0.5629	
2	2.029	2.029	0.000	433174	0.5000	0.5756	
2	2.346	2.346	0.000	482815	0.5000	0.5486	
2	2.653	2.653	0.000	965643	0.5000	0.5607	
2	2.767	2.767	0.000	366133	0.5000	0.5596	
2	3.137	3.137	0.000	441875	0.5000	0.5654	
		Average of Peak Amounts =				0.5620	
						RPD = 0.16	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.943	4.943	0.000	808073	0.5000	0.6109	
1	5.131	5.131	0.000	629569	0.5000	0.6166	
1	5.336	5.336	0.000	1473344	0.5000	0.6219	
1	5.578	5.578	0.000	472579	0.5000	0.6146	
1	5.689	5.689	0.000	570499	0.5000	0.6147	
		Average of Peak Amounts =				0.6158	
2	4.550	4.550	0.000	1850615	0.5000	0.6690	
2	4.810	4.810	0.000	1423335	0.5000	0.6316	
2	4.948	4.948	0.000	3358363	0.5000	0.6747	
2	5.243	5.243	0.000	1365554	0.5000	0.6791	
2	5.283	5.283	0.000	1948660	0.5000	0.6389	
		Average of Peak Amounts =				0.6587	
						RPD = 6.73	

Reagents:

32-62w/IS@0.5_00005 Amount Added: 1.00 Units: mL

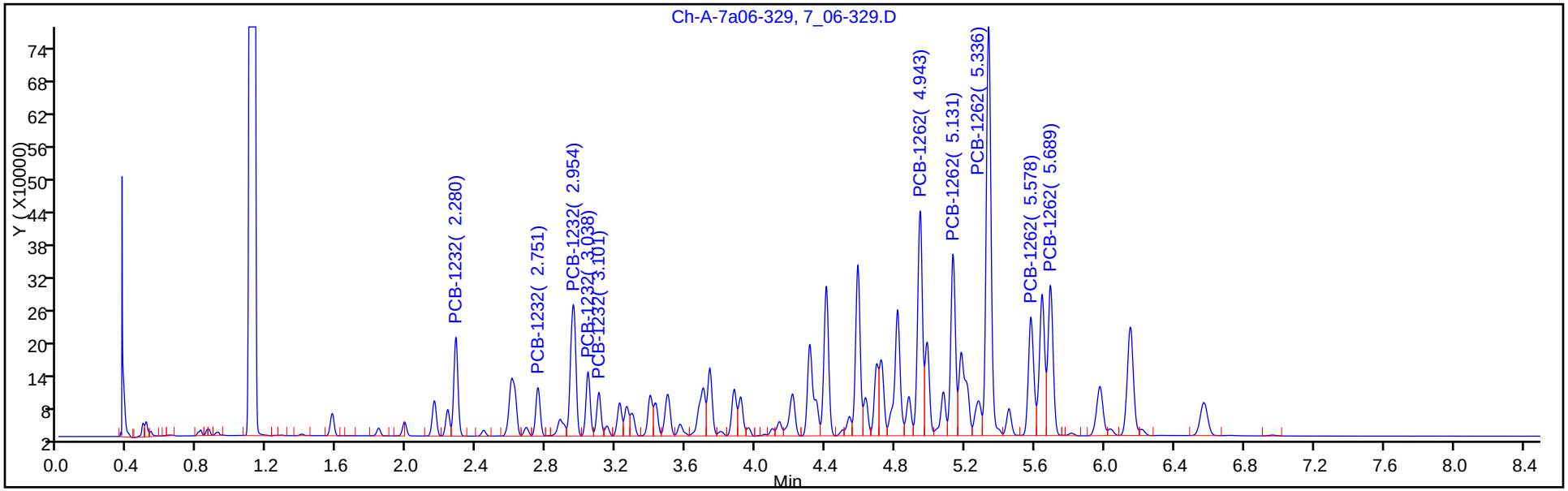
Report Date: 09-Jun-2016 02:02:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

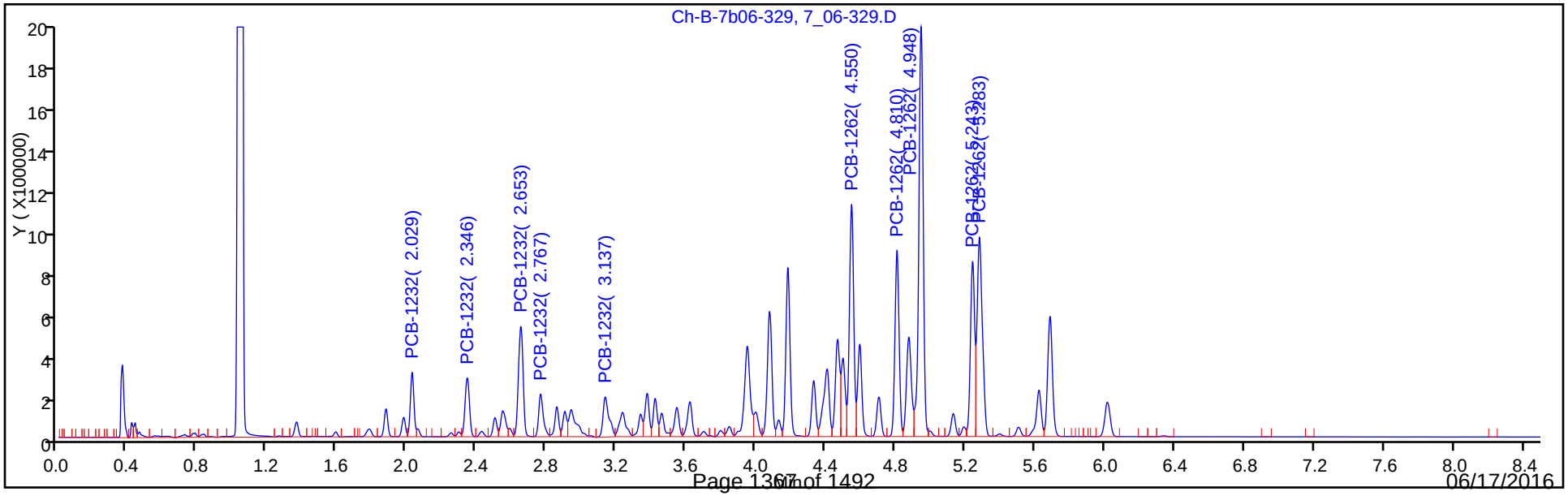
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-329.D

Injection Date:	09-Jun-2016 01:18:15	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/32 Calibration Date: 06/09/2016 01:18

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-329.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0181	0.0208		0.576	0.500	15.1	20.0
PCB-1232 Peak 2	Ave	0.0212	0.0232		0.549	0.500	9.7	20.0
PCB-1232 Peak 3	Ave	0.0414	0.0465		0.561	0.500	12.1	20.0
PCB-1232 Peak 4	Ave	0.0157	0.0176		0.560	0.500	11.9	20.0
PCB-1232 Peak 5	Ave	0.0188	0.0213		0.565	0.500	13.1	20.0
PCB-1262 Peak 1	Ave	0.0665	0.0890		0.669	0.500	33.8*	20.0
PCB-1262 Peak 2	Ave	0.0542	0.0685		0.632	0.500	26.3*	20.0
PCB-1262 Peak 3	Ave	0.1197	0.1616		0.675	0.500	34.9*	20.0
PCB-1262 Peak 4	Ave	0.0484	0.0657		0.679	0.500	35.8*	20.0
PCB-1262 Peak 5	Ave	0.0734	0.0937		0.639	0.500	27.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/32 Calibration Date: 06/09/2016 01:18

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 21:59

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 22:37

Lab File ID: 7_06-329.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.03	2.00	2.06
PCB-1232 Peak 2	2.35	2.32	2.38
PCB-1232 Peak 3	2.65	2.62	2.68
PCB-1232 Peak 4	2.77	2.74	2.80
PCB-1232 Peak 5	3.14	3.11	3.17
PCB-1262 Peak 1	4.55	4.52	4.58
PCB-1262 Peak 2	4.81	4.78	4.84
PCB-1262 Peak 3	4.95	4.92	4.98
PCB-1262 Peak 4	5.24	5.21	5.27
PCB-1262 Peak 5	5.28	5.25	5.31

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-329.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 01:18:15 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:43 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 01:37:38

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.116	1.116	0.000	12388158	0.5000	0.5000	
2	1.048	1.048	0.000	20788409	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.280	2.280	0.000	304297	0.5000	0.5618	
1	2.751	2.751	0.000	159430	0.5000	0.5612	
1	2.954	2.954	0.000	525788	0.5000	0.5660	
1	3.038	3.038	0.000	203923	0.5000	0.5631	
1	3.101	3.101	0.000	140697	0.5000	0.5622	
		Average of Peak Amounts =				0.5629	
2	2.029	2.029	0.000	433174	0.5000	0.5756	
2	2.346	2.346	0.000	482815	0.5000	0.5486	
2	2.653	2.653	0.000	965643	0.5000	0.5607	
2	2.767	2.767	0.000	366133	0.5000	0.5596	
2	3.137	3.137	0.000	441875	0.5000	0.5654	
		Average of Peak Amounts =				0.5620	
						RPD = 0.16	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.943	4.943	0.000	808073	0.5000	0.6109	
1	5.131	5.131	0.000	629569	0.5000	0.6166	
1	5.336	5.336	0.000	1473344	0.5000	0.6219	
1	5.578	5.578	0.000	472579	0.5000	0.6146	
1	5.689	5.689	0.000	570499	0.5000	0.6147	
		Average of Peak Amounts =				0.6158	
2	4.550	4.550	0.000	1850615	0.5000	0.6690	
2	4.810	4.810	0.000	1423335	0.5000	0.6316	
2	4.948	4.948	0.000	3358363	0.5000	0.6747	
2	5.243	5.243	0.000	1365554	0.5000	0.6791	
2	5.283	5.283	0.000	1948660	0.5000	0.6389	
		Average of Peak Amounts =				0.6587	
						RPD = 6.73	

Reagents:

32-62w/IS@0.5_00005 Amount Added: 1.00 Units: mL

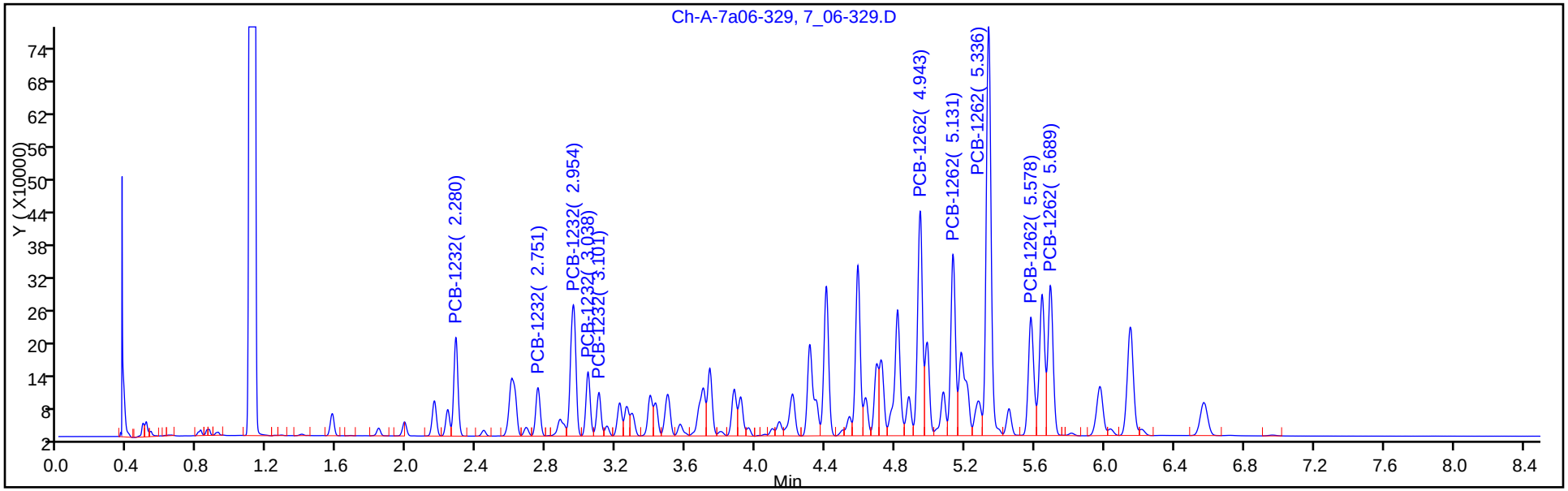
Report Date: 09-Jun-2016 02:02:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

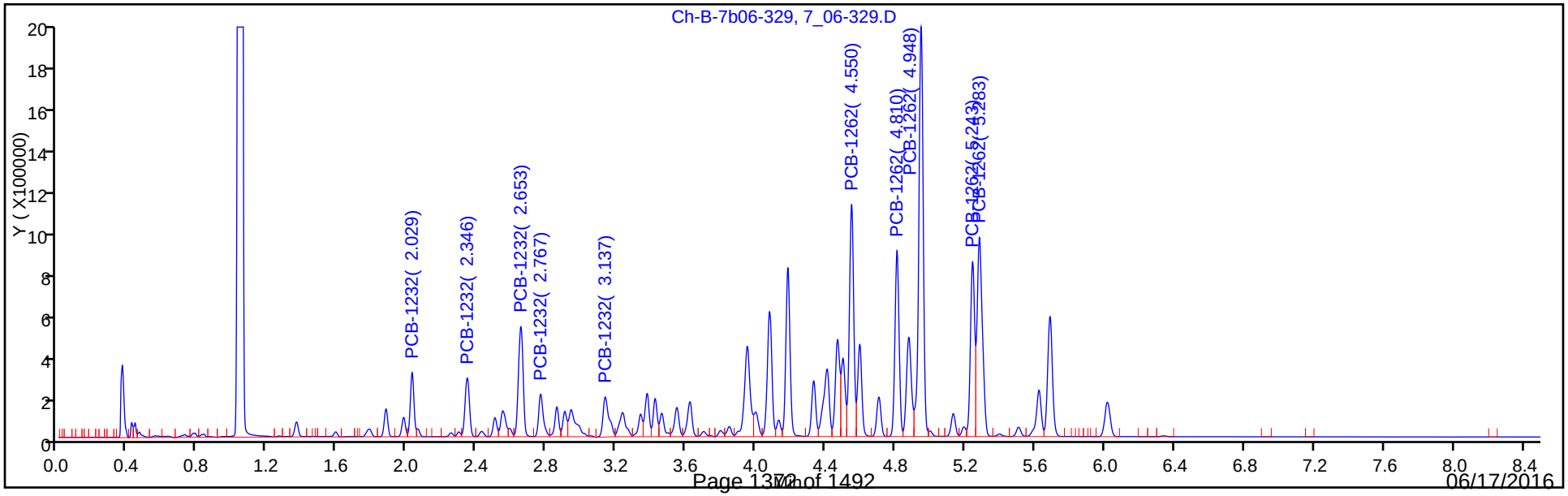
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-329.D

Injection Date:	09-Jun-2016 01:18:15	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/33 Calibration Date: 06/09/2016 01:36

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-330.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0649	0.0753		0.581	0.500	16.1	20.0
PCB-1242 Peak 2	Ave	0.0245	0.0283		0.577	0.500	15.4	20.0
PCB-1242 Peak 3	Ave	0.0188	0.0220		0.587	0.500	17.4	20.0
PCB-1242 Peak 4	Ave	0.0223	0.0255		0.574	0.500	14.7	20.0
PCB-1242 Peak 5	Ave	0.0316	0.0365		0.577	0.500	15.3	20.0
PCB-1268 Peak 1	Ave	0.1022	0.1148		0.562	0.500	12.4	20.0
PCB-1268 Peak 2	Ave	0.0915	0.1045		0.571	0.500	14.2	20.0
PCB-1268 Peak 3	Ave	0.0798	0.0898		0.562	0.500	12.5	20.0
PCB-1268 Peak 4	Ave	0.0341	0.0402		0.589	0.500	17.9	20.0
PCB-1268 Peak 5	Ave	0.2588	0.2898		0.560	0.500	12.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/33 Calibration Date: 06/09/2016 01:36

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-330.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.95	2.92	2.98
PCB-1242 Peak 2	3.04	3.01	3.07
PCB-1242 Peak 3	3.40	3.37	3.43
PCB-1242 Peak 4	3.50	3.47	3.53
PCB-1242 Peak 5	3.70	3.67	3.73
PCB-1268 Peak 1	5.64	5.61	5.67
PCB-1268 Peak 2	5.69	5.66	5.72
PCB-1268 Peak 3	5.96	5.93	5.99
PCB-1268 Peak 4	6.15	6.12	6.18
PCB-1268 Peak 5	6.57	6.54	6.60

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-330.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 01:36:58 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:24 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:02:24

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.110	1.110	0.000	12227777	0.5000	0.5000	
2	1.041	1.041	0.000	20498313	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.953	2.953	0.000	921155	0.5000	0.5807	
1	3.038	3.038	0.000	346294	0.5000	0.5769	
1	3.395	3.395	0.000	269486	0.5000	0.5870	
1	3.495	3.495	0.000	312350	0.5000	0.5735	
1	3.699	3.699	0.000	445811	0.5000	0.5766	
		Average of Peak Amounts =				0.5790	
2	2.652	2.652	0.000	1687391	0.5000	0.5760	
2	2.765	2.765	0.000	632749	0.5000	0.5755	
2	3.136	3.136	0.000	808431	0.5000	0.5967	
2	3.377	3.377	0.000	639160	0.5000	0.5775	
2	3.423	3.423	0.000	538493	0.5000	0.5829	
		Average of Peak Amounts =				0.5817	
						RPD = 0.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.643	5.643	0.000	1403948	0.5000	0.5619	
1	5.689	5.689	0.000	1278137	0.5000	0.5710	
1	5.958	5.958	0.000	1097485	0.5000	0.5624	
1	6.148	6.148	0.000	491601	0.5000	0.5894	M
1	6.570	6.570	0.000	3543279	0.5000	0.5599	
		Average of Peak Amounts =				0.5689	
2	5.243	5.243	0.000	3185755	0.5000	0.6506	M
2	5.282	5.282	0.000	2838039	0.5000	0.6013	M
2	5.507	5.507	0.000	2402826	0.5000	0.6104	M
2	5.687	5.687	0.000	1012531	0.5000	0.5783	M
2	6.017	6.017	0.000	7522792	0.5000	0.5592	
		Average of Peak Amounts =				0.6000	
						RPD = 5.31	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00005 Amount Added: 1.00 Units: mL

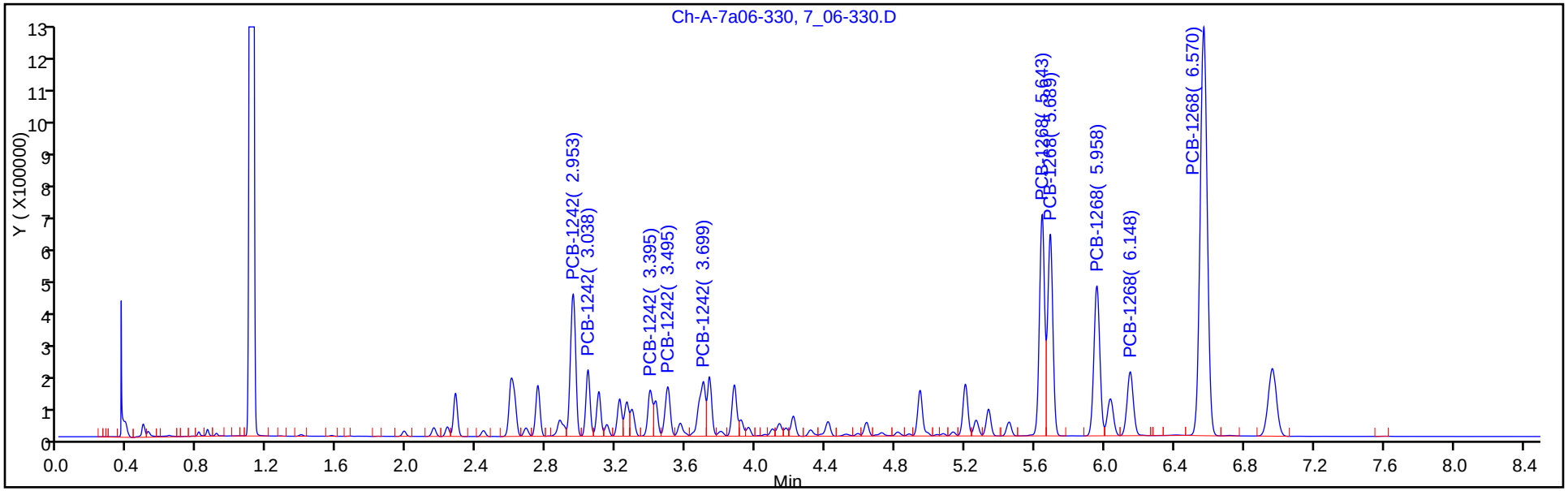
Report Date: 09-Jun-2016 02:02:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

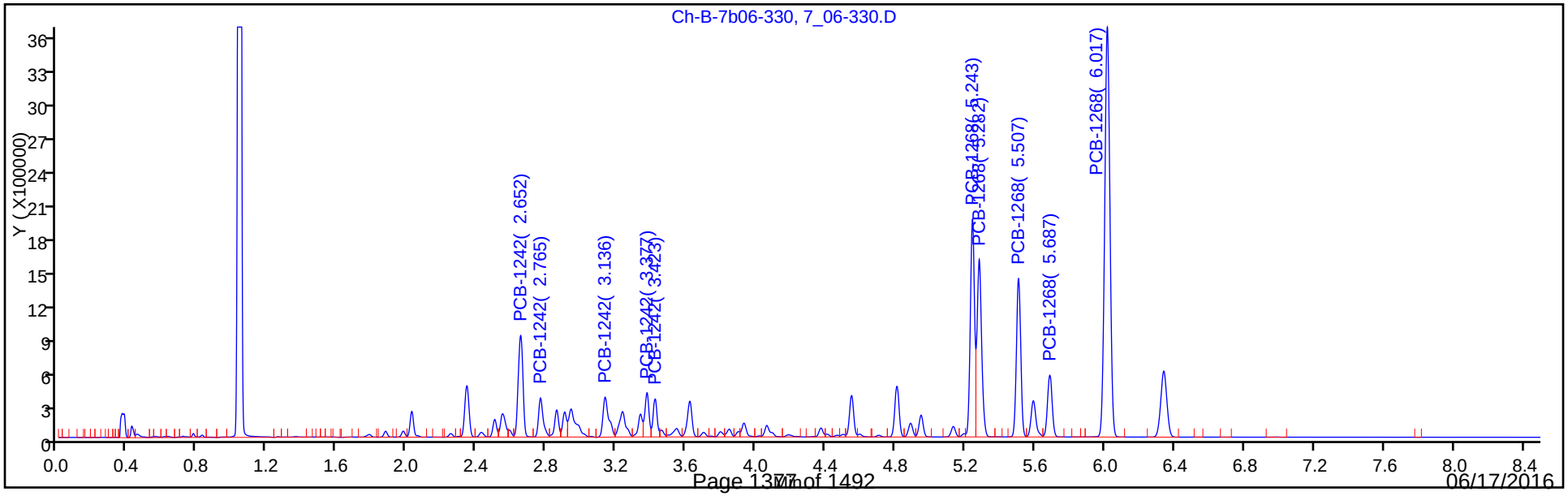
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-330.D

Injection Date:	09-Jun-2016 01:36:58	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	33
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 09-Jun-2016 02:02:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-330.D

Injection Date: 09-Jun-2016 01:36:58 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

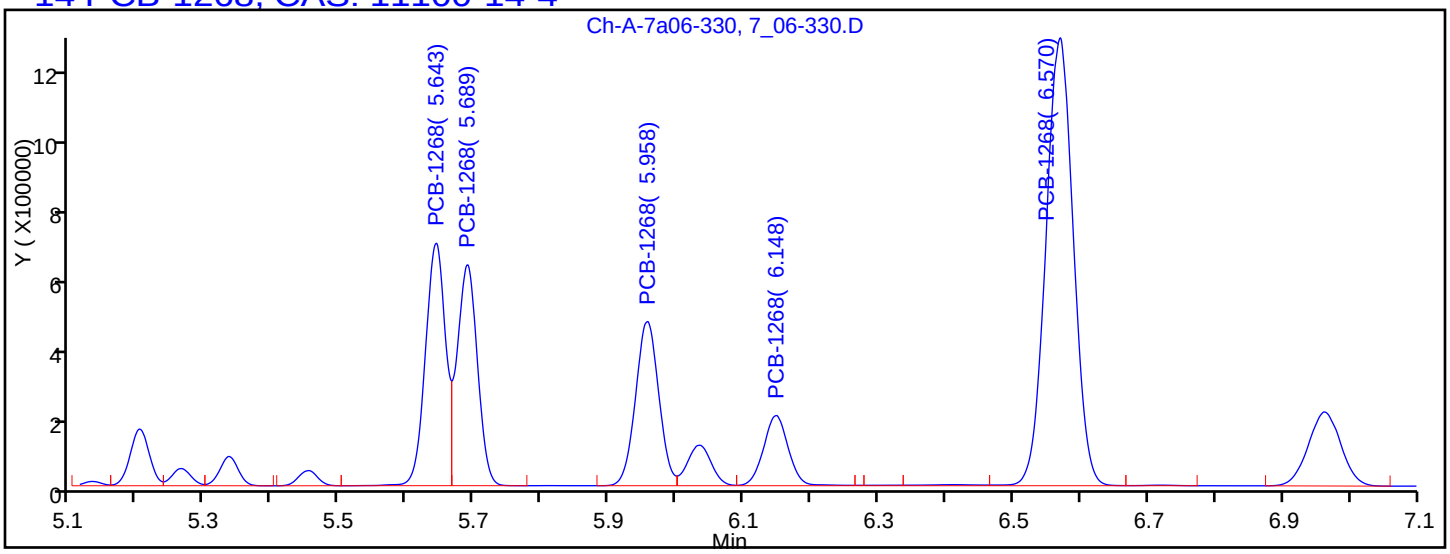
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 33

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-A-7A136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

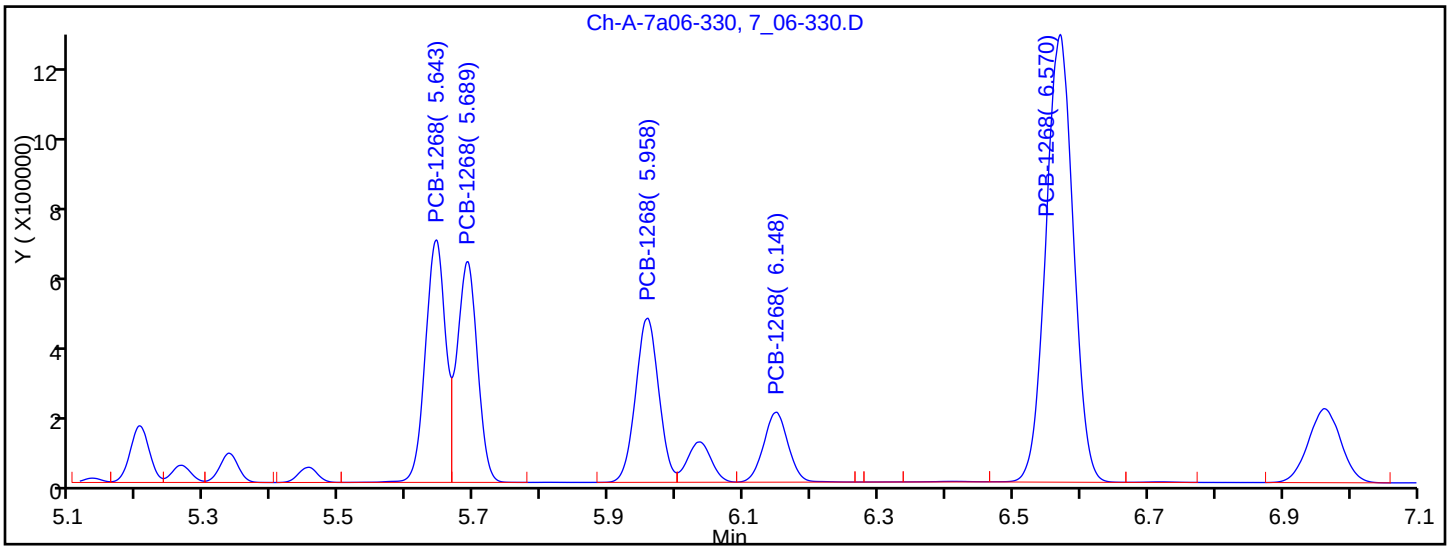
RT = 5.643 Response = 1403948

RT = 5.689 Response = 1278137

RT = 5.958 Response = 1097485

RT = 6.148 Response = 499440 M

RT = 6.570 Response = 3543279



Manual Integration Results

RT = 5.643 Response = 1403948

RT = 5.689 Response = 1278137

RT = 5.958 Response = 1097485

RT = 6.148 Response = 491601 M

RT = 6.570 Response = 3543279

Reviewer: sobolk, 09-Jun-2016 02:02:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/33 Calibration Date: 06/09/2016 01:36

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-330.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0715	0.0823		0.576	0.500	15.2	20.0
PCB-1242 Peak 2	Ave	0.0268	0.0309		0.575	0.500	15.1	20.0
PCB-1242 Peak 3	Ave	0.0330	0.0394		0.597	0.500	19.3	20.0
PCB-1242 Peak 4	Ave	0.0270	0.0312		0.578	0.500	15.5	20.0
PCB-1242 Peak 5	Ave	0.0225	0.0263		0.583	0.500	16.6	20.0
PCB-1268 Peak 1	Ave	0.1194	0.1554		0.651	0.500	30.1*	20.0
PCB-1268 Peak 2	Ave	0.1151	0.1385		0.601	0.500	20.3*	20.0
PCB-1268 Peak 3	Ave	0.0960	0.1172		0.610	0.500	22.1*	20.0
PCB-1268 Peak 4	Ave	0.0427	0.0494		0.578	0.500	15.7	20.0
PCB-1268 Peak 5	Ave	0.3281	0.3670		0.559	0.500	11.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/33 Calibration Date: 06/09/2016 01:36

Instrument ID: HP6890-7 Calib Start Date: 04/28/2016 23:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/28/2016 23:52

Lab File ID: 7_06-330.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.65	2.62	2.68
PCB-1242 Peak 2	2.77	2.74	2.80
PCB-1242 Peak 3	3.14	3.11	3.17
PCB-1242 Peak 4	3.38	3.35	3.41
PCB-1242 Peak 5	3.42	3.39	3.45
PCB-1268 Peak 1	5.24	5.21	5.27
PCB-1268 Peak 2	5.28	5.25	5.31
PCB-1268 Peak 3	5.51	5.48	5.54
PCB-1268 Peak 4	5.69	5.66	5.72
PCB-1268 Peak 5	6.02	5.99	6.05

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-330.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 01:36:58 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:02:24 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:02:24

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.110	1.110	0.000	12227777	0.5000	0.5000	
2	1.041	1.041	0.000	20498313	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.953	2.953	0.000	921155	0.5000	0.5807	
1	3.038	3.038	0.000	346294	0.5000	0.5769	
1	3.395	3.395	0.000	269486	0.5000	0.5870	
1	3.495	3.495	0.000	312350	0.5000	0.5735	
1	3.699	3.699	0.000	445811	0.5000	0.5766	
		Average of Peak Amounts =				0.5790	
2	2.652	2.652	0.000	1687391	0.5000	0.5760	
2	2.765	2.765	0.000	632749	0.5000	0.5755	
2	3.136	3.136	0.000	808431	0.5000	0.5967	
2	3.377	3.377	0.000	639160	0.5000	0.5775	
2	3.423	3.423	0.000	538493	0.5000	0.5829	
		Average of Peak Amounts =				0.5817	
						RPD = 0.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.643	5.643	0.000	1403948	0.5000	0.5619	
1	5.689	5.689	0.000	1278137	0.5000	0.5710	
1	5.958	5.958	0.000	1097485	0.5000	0.5624	
1	6.148	6.148	0.000	491601	0.5000	0.5894	M
1	6.570	6.570	0.000	3543279	0.5000	0.5599	
		Average of Peak Amounts =				0.5689	
2	5.243	5.243	0.000	3185755	0.5000	0.6506	M
2	5.282	5.282	0.000	2838039	0.5000	0.6013	M
2	5.507	5.507	0.000	2402826	0.5000	0.6104	M
2	5.687	5.687	0.000	1012531	0.5000	0.5783	M
2	6.017	6.017	0.000	7522792	0.5000	0.5592	
		Average of Peak Amounts =				0.6000	
						RPD = 5.31	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00005 Amount Added: 1.00 Units: mL

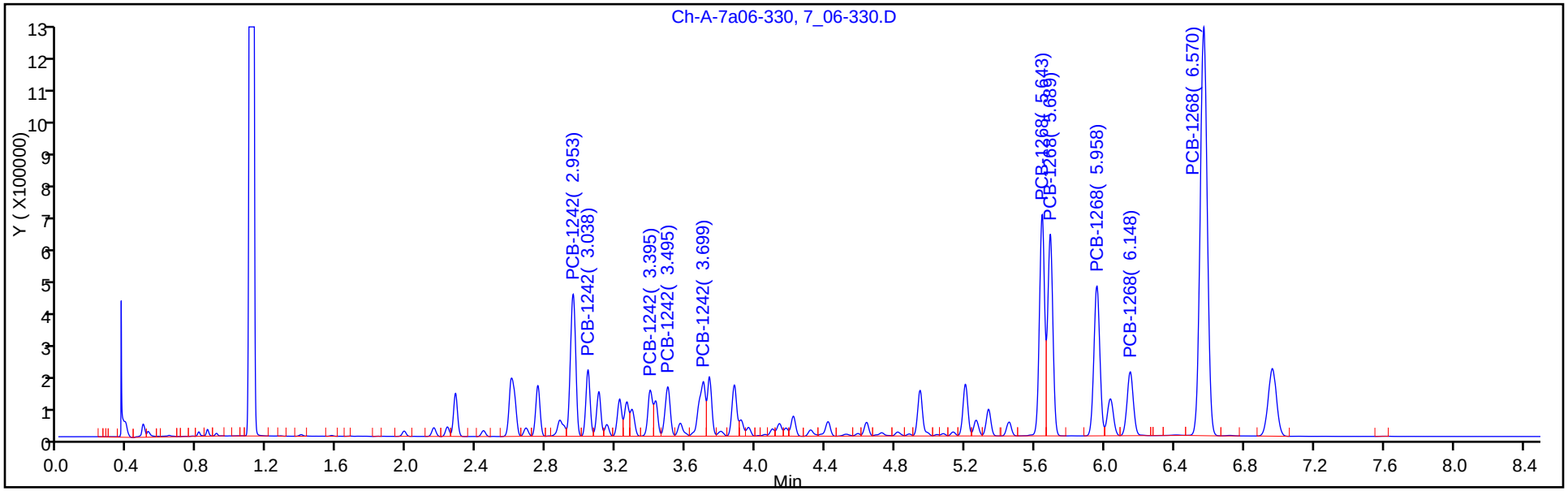
Report Date: 09-Jun-2016 02:02:25 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

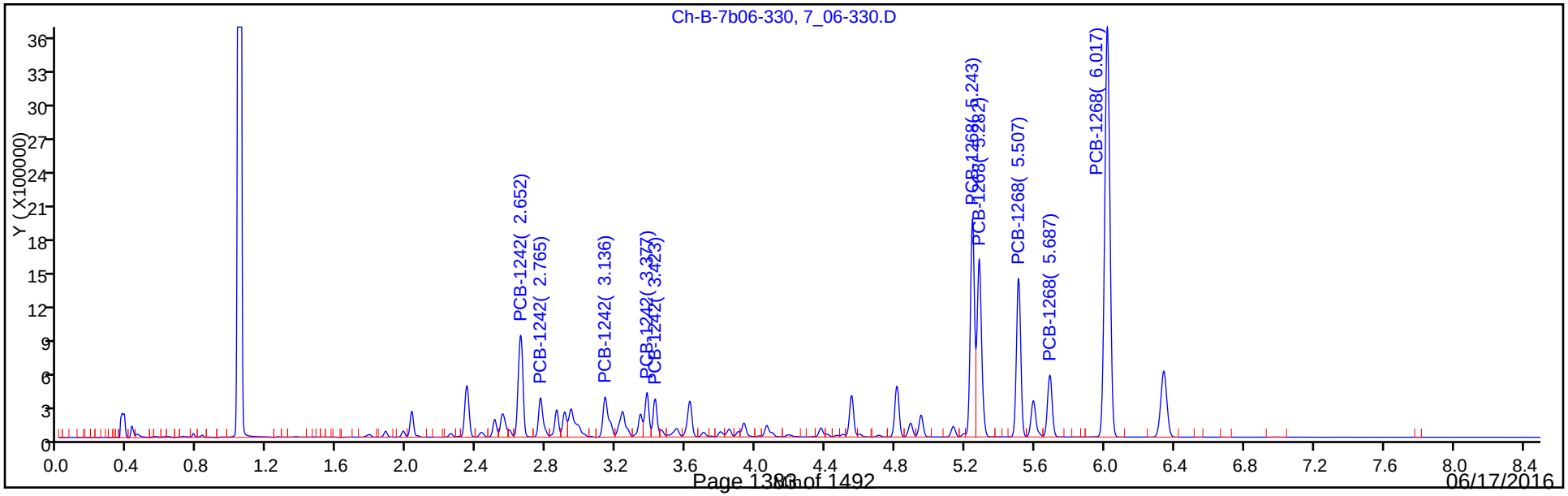
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-330.D

Injection Date:	09-Jun-2016 01:36:58	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	33
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 09-Jun-2016 02:02:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-330.D

Injection Date: 09-Jun-2016 01:36:58 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

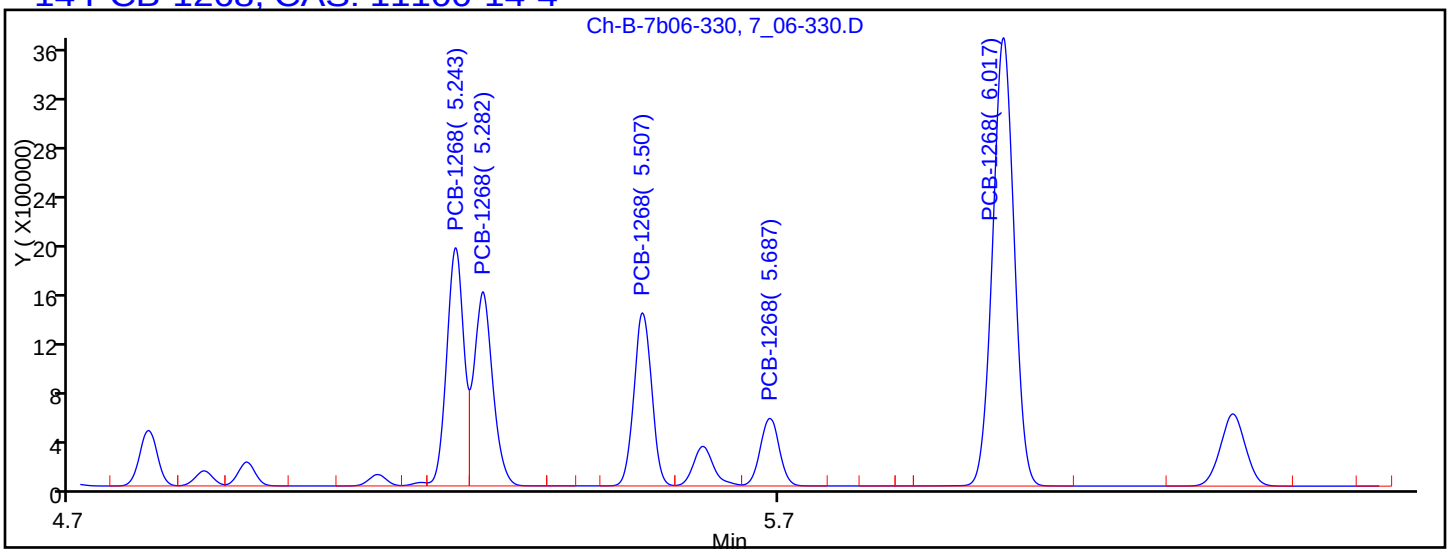
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 33

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

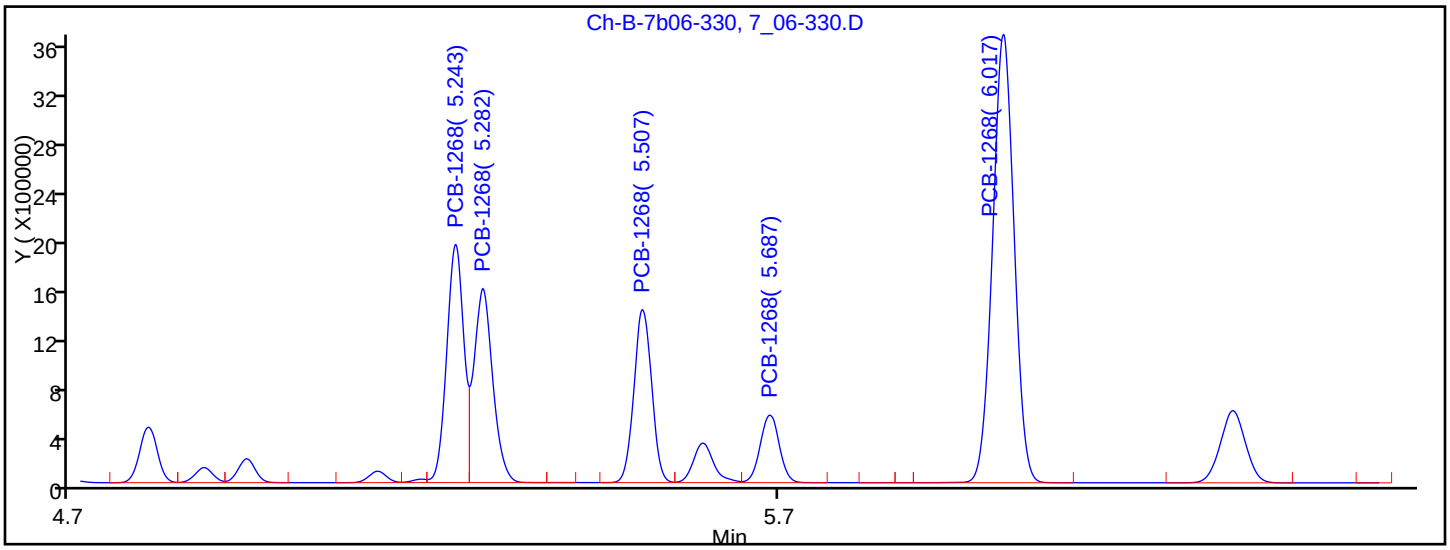
Column: Detector Ch-B-7b136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

RT = 5.243	Response = 3187109	M
RT = 5.282	Response = 2840295	M
RT = 5.507	Response = 2405592	M
RT = 5.687	Response = 1014934	M
RT = 6.017	Response = 7522792	



Manual Integration Results

RT = 5.243	Response = 3185755	M
RT = 5.282	Response = 2838039	M
RT = 5.507	Response = 2402826	M
RT = 5.687	Response = 1012531	M
RT = 6.017	Response = 7522792	

Reviewer: sobolk, 09-Jun-2016 02:02:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/34 Calibration Date: 06/09/2016 01:55

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-331.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0441	0.0493		0.559	0.500	11.8	20.0
PCB-1248 Peak 2	Ave	0.0342	0.0381		0.556	0.500	11.3	20.0
PCB-1248 Peak 3	Ave	0.0536	0.0615		0.574	0.500	14.7	20.0
PCB-1248 Peak 4	Ave	0.0403	0.0453		0.563	0.500	12.5	20.0
PCB-1248 Peak 5	Ave	0.0344	0.0385		0.560	0.500	12.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/34 Calibration Date: 06/09/2016 01:55

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-331.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.39	3.36	3.42
PCB-1248 Peak 2	3.49	3.46	3.52
PCB-1248 Peak 3	3.70	3.67	3.73
PCB-1248 Peak 4	3.74	3.71	3.77
PCB-1248 Peak 5	3.88	3.85	3.91

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-331.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 01:55:39 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:21:20 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:21:20

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.109	1.109	0.000	12399371	0.5000	0.5000	
2	1.040	1.040	0.000	20738691	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.393	3.393	0.000	610992	0.5000	0.5588	
1	3.493	3.493	0.000	471945	0.5000	0.5563	
1	3.698	3.698	0.000	762774	0.5000	0.5736	
1	3.735	3.735	0.000	561762	0.5000	0.5627	
1	3.876	3.876	0.000	477292	0.5000	0.5602	
		Average of Peak Amounts =				0.5623	
2	3.135	3.135	0.000	907665	0.5000	0.5811	M
2	3.235	3.235	0.000	837526	0.5000	0.6076	
2	3.377	3.377	0.000	1133591	0.5000	0.5679	
2	3.423	3.423	0.000	858523	0.5000	0.5679	
2	3.622	3.622	0.000	957839	0.5000	0.6192	
		Average of Peak Amounts =				0.5887	
						RPD = 4.59	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00005 Amount Added: 1.00 Units: mL

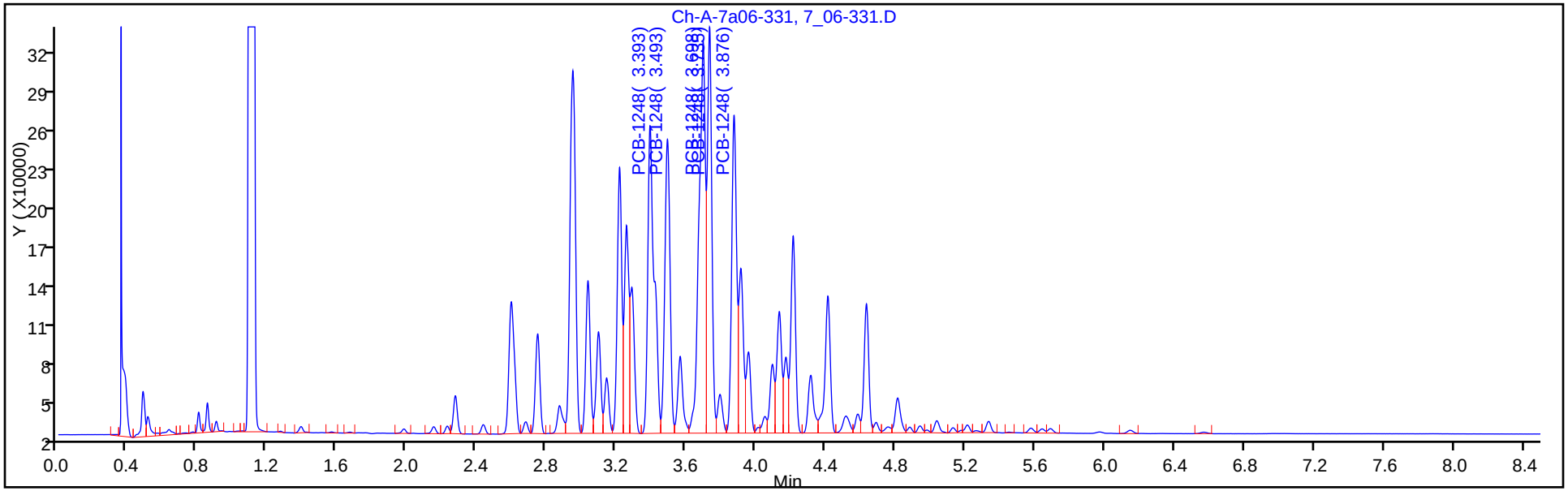
Report Date: 09-Jun-2016 02:21:20 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

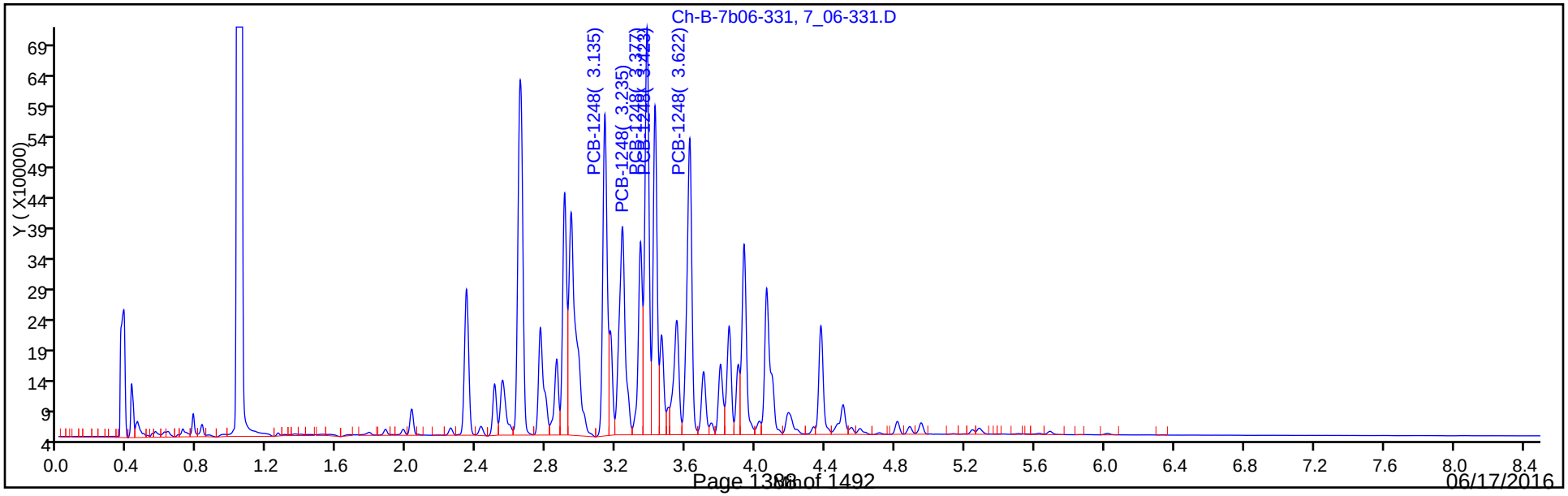
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-331.D

Injection Date:	09-Jun-2016 01:55:39	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/34 Calibration Date: 06/09/2016 01:55

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-331.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0377	0.0438		0.581	0.500	16.2	20.0
PCB-1248 Peak 2	Ave	0.0332	0.0404		0.608	0.500	21.5*	20.0
PCB-1248 Peak 3	Ave	0.0481	0.0547		0.568	0.500	13.6	20.0
PCB-1248 Peak 4	Ave	0.0364	0.0414		0.568	0.500	13.6	20.0
PCB-1248 Peak 5	Ave	0.0373	0.0462		0.619	0.500	23.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Lab Sample ID: CCV 480-305726/34 Calibration Date: 06/09/2016 01:55

Instrument ID: HP6890-7 Calib Start Date: 04/29/2016 00:30

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 04/29/2016 01:08

Lab File ID: 7_06-331.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.14	3.11	3.17
PCB-1248 Peak 2	3.24	3.21	3.27
PCB-1248 Peak 3	3.38	3.35	3.41
PCB-1248 Peak 4	3.42	3.39	3.45
PCB-1248 Peak 5	3.62	3.59	3.65

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-331.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 09-Jun-2016 01:55:39 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:21:20 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:21:20

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.109	1.109	0.000	12399371	0.5000	0.5000	
2	1.040	1.040	0.000	20738691	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.393	3.393	0.000	610992	0.5000	0.5588	
1	3.493	3.493	0.000	471945	0.5000	0.5563	
1	3.698	3.698	0.000	762774	0.5000	0.5736	
1	3.735	3.735	0.000	561762	0.5000	0.5627	
1	3.876	3.876	0.000	477292	0.5000	0.5602	
		Average of Peak Amounts =				0.5623	
2	3.135	3.135	0.000	907665	0.5000	0.5811	M
2	3.235	3.235	0.000	837526	0.5000	0.6076	
2	3.377	3.377	0.000	1133591	0.5000	0.5679	
2	3.423	3.423	0.000	858523	0.5000	0.5679	
2	3.622	3.622	0.000	957839	0.5000	0.6192	
		Average of Peak Amounts =				0.5887	
						RPD = 4.59	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00005 Amount Added: 1.00 Units: mL

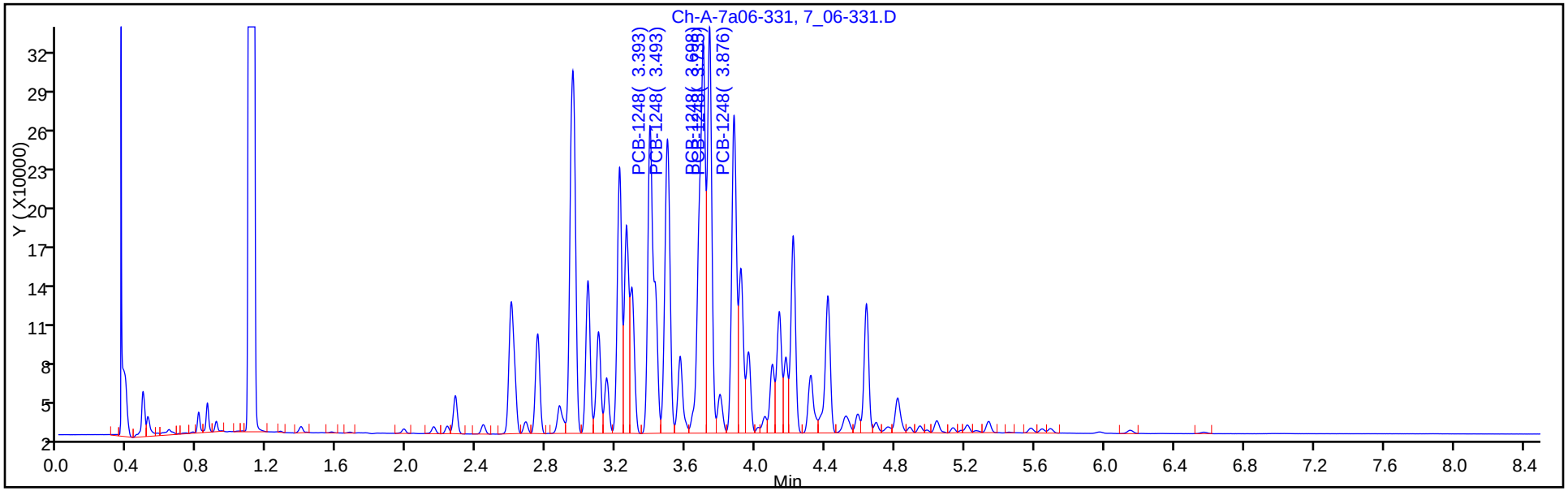
Report Date: 09-Jun-2016 02:21:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

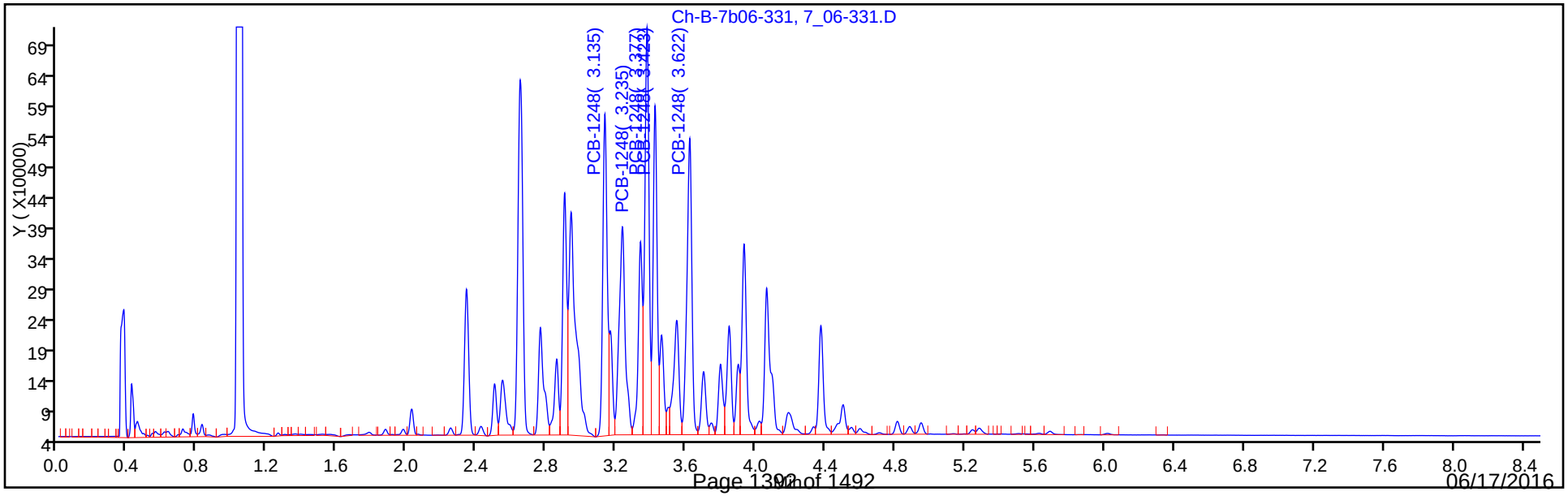
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-331.D

Injection Date:	09-Jun-2016 01:55:39	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 09-Jun-2016 02:21:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-331.D

Injection Date: 09-Jun-2016 01:55:39 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

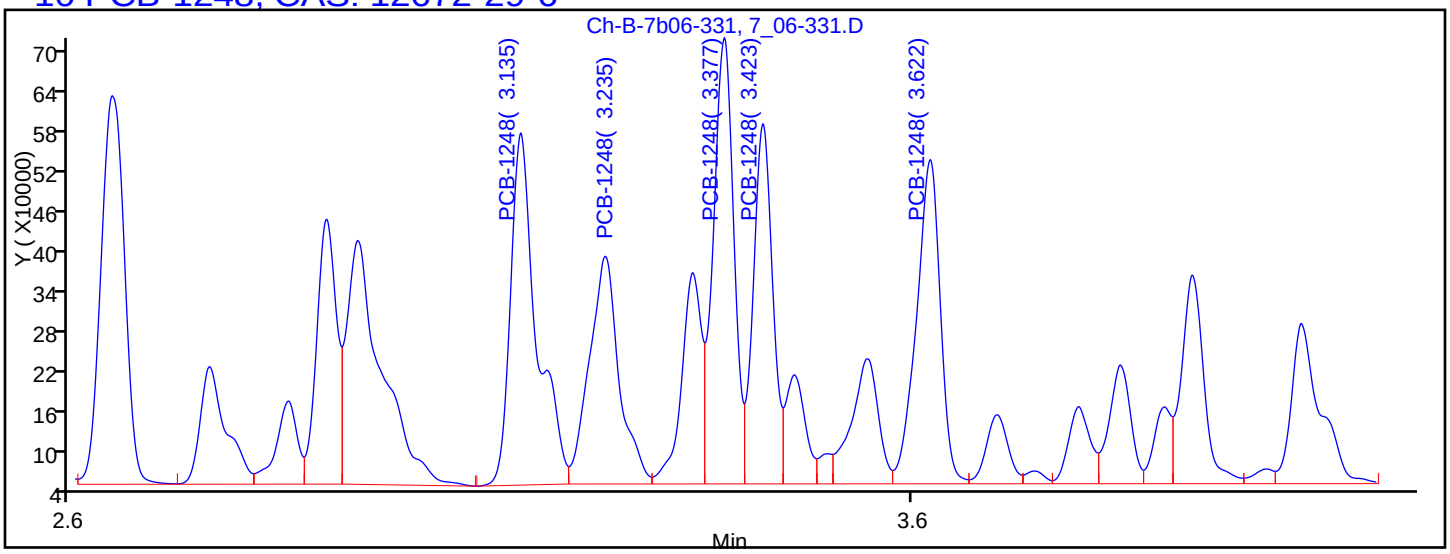
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 34

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

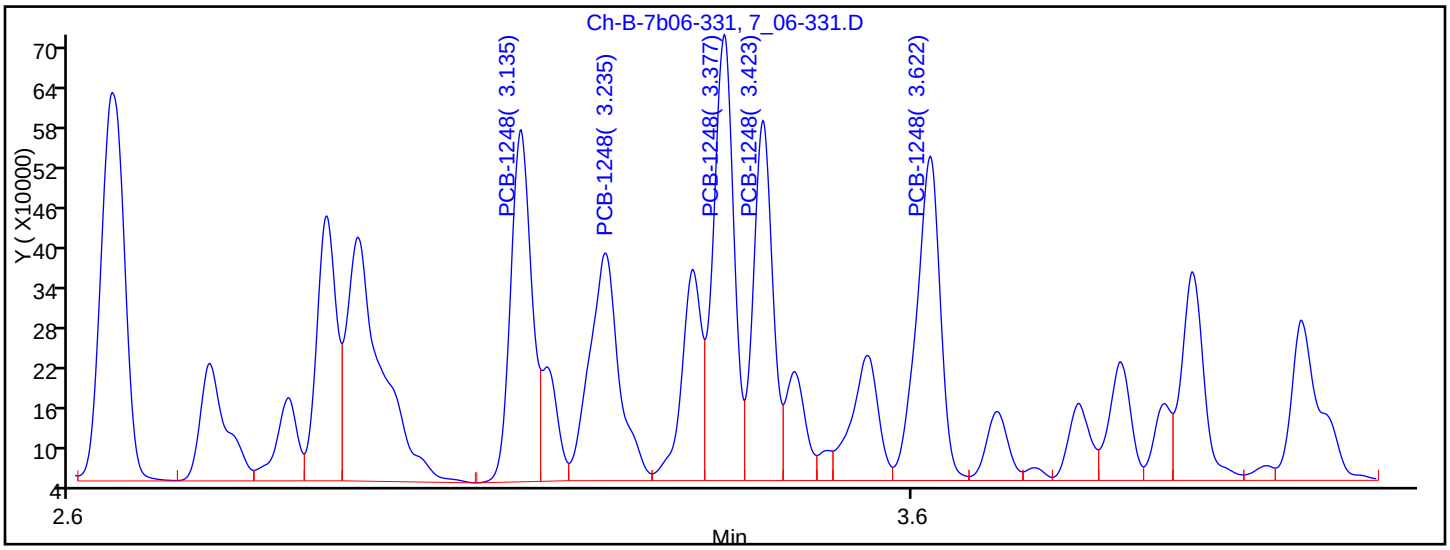
RT = 3.135 Response = 1133326 M

RT = 3.235 Response = 837526

RT = 3.377 Response = 1133591

RT = 3.423 Response = 858523

RT = 3.622 Response = 957839



Manual Integration Results

RT = 3.135 Response = 907665 M

RT = 3.235 Response = 837526

RT = 3.377 Response = 1133591

RT = 3.423 Response = 858523

RT = 3.622 Response = 957839

Reviewer: sobolk, 09-Jun-2016 02:21:20

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-305614/1-A

Matrix: Solid | Lab File ID: 7_06-307.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.45(g) | Date Analyzed: 06/08/2016 18:27

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.20	0.040
11104-28-2	PCB-1221	ND		0.20	0.040
11141-16-5	PCB-1232	ND		0.20	0.040
53469-21-9	PCB-1242	ND		0.20	0.040
12672-29-6	PCB-1248	ND		0.20	0.040
11097-69-1	PCB-1254	ND		0.20	0.096
11096-82-5	PCB-1260	ND		0.20	0.096

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	115		60-154
2051-24-3	DCB Decachlorobiphenyl	135		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-307.D
Lims ID: MB 480-305614/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Jun-2016 18:27:06 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:34:45 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:34:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.109	1.109	0.000	10545968	0.5000	0.5000	
2	1.040	1.040	0.000	18753673	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.018	2.020	-0.002	691102	0.0200	0.0229	
2	1.633	1.638	-0.005	938518	0.0200	0.0204	
						RPD = 11.48	
2 1260 Res 1							
1	5.594	5.643	-0.048	520		NC	
2	4.913	4.878	0.035	5672		NC	
4 1260 Res 2							
1	5.672	5.691	-0.019	919		NC	
2	4.990	5.061	-0.071	6986		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.963	6.965	-0.003	428350	0.0200	0.0270	
2	6.341	6.339	0.002	825027	0.0200	0.0249	
						RPD = 8.14	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

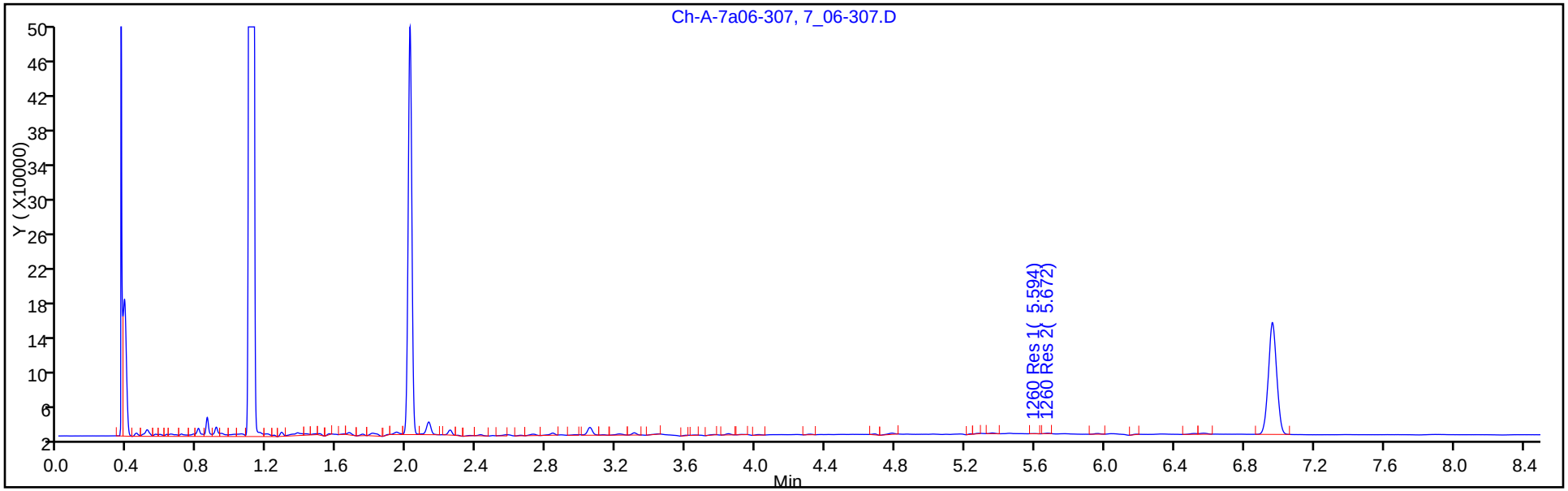
Report Date: 09-Jun-2016 02:34:46 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

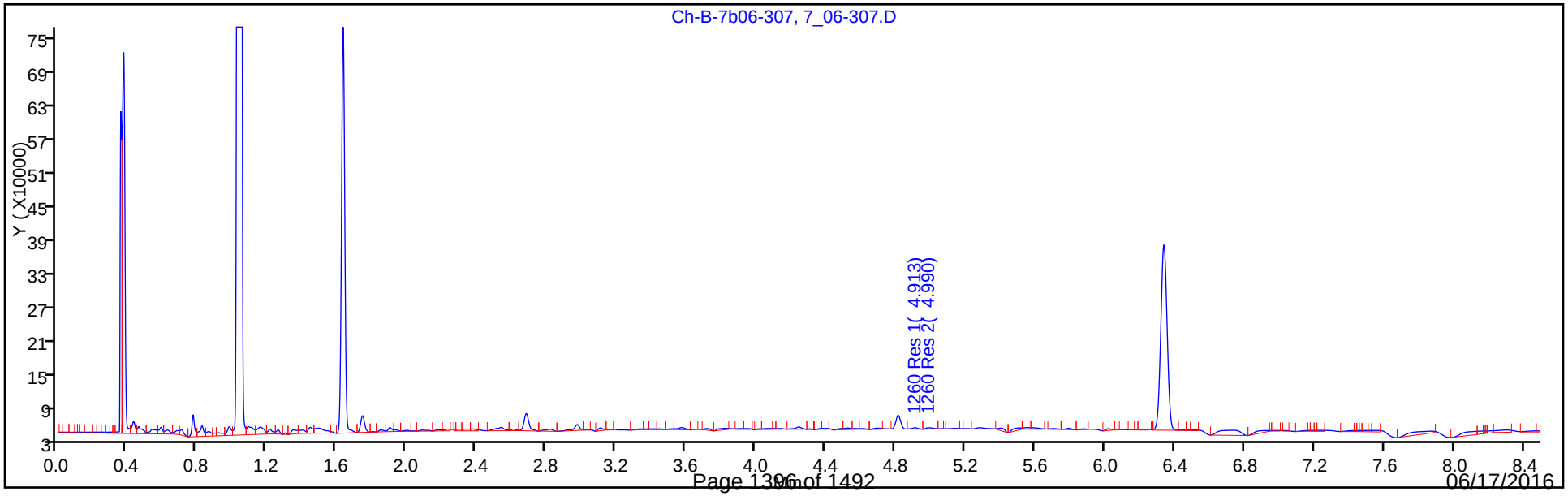
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-307.D

Injection Date:	08-Jun-2016 18:27:06	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	MB 480-305614/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-307.D
Lims ID: MB 480-305614/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Jun-2016 18:27:06 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:34:45 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:34:45

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0229	114.56
$ 15 DCB Decachlorobiphenyl	0.0200	0.0270	135.03

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0204	102.12
$ 15 DCB Decachlorobiphenyl	0.0200	0.0249	124.46

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-305616/1-A

Matrix: Solid | Lab File ID: 12_365m_333.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.18(g) | Date Analyzed: 06/08/2016 23:26

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	ND		0.23	0.045
11097-69-1	PCB-1254	ND		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	134		60-154
2051-24-3	DCB Decachlorobiphenyl	140		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_333.D
Lims ID: MB 480-305616/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Jun-2016 23:26:04 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:00:12 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:00:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.161	1.159	0.002	962936	0.5000	0.5000	M
2	1.607	1.606	0.001	808001	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.632	1.631	0.001	59360	0.0200	0.0269	
2	2.198	2.198	0.000	39428	0.0200	0.0287	
						RPD = 6.43	
$ 15 DCB Decachlorobiphenyl							
1	5.577	5.577	0.000	92253	0.0200	0.0280	
2	7.235	7.235	0.000	75940	0.0200	0.0281	
						RPD = 0.42	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

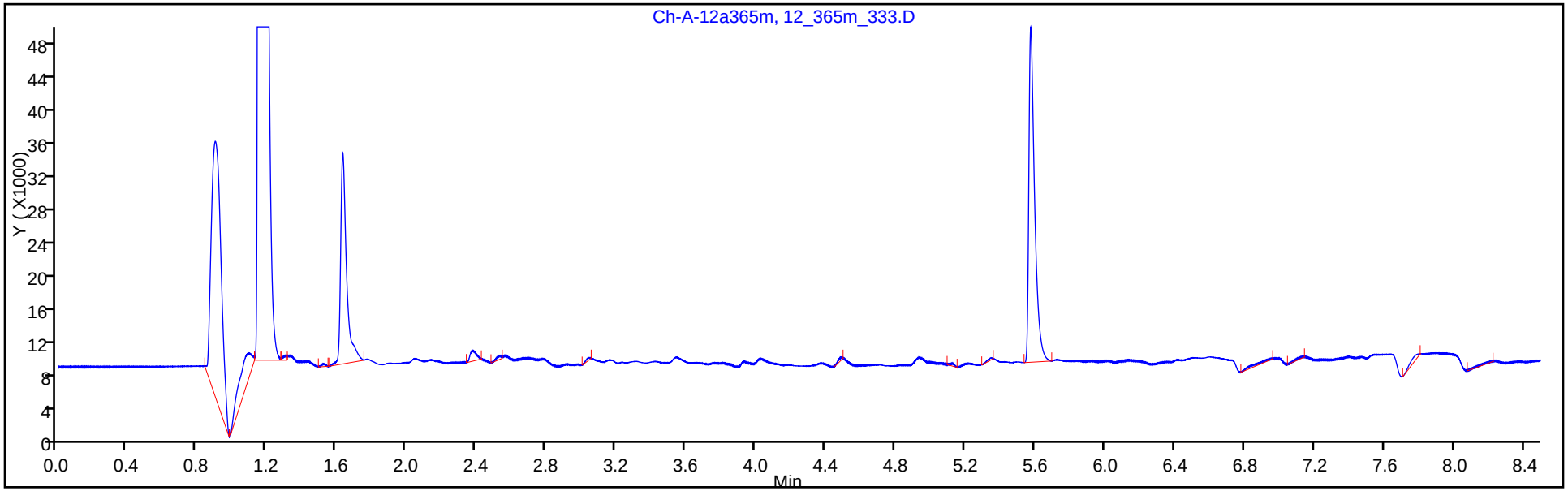
Report Date: 09-Jun-2016 02:00:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

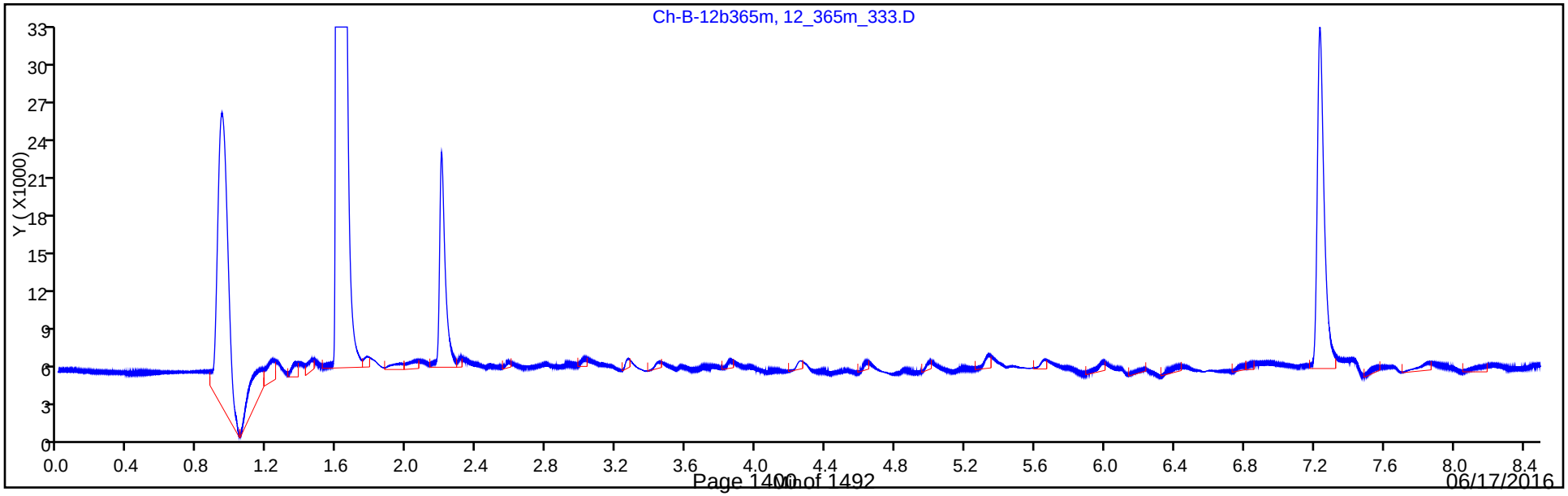
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_333.D

Injection Date:	08-Jun-2016 23:26:04	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	MB 480-305616/1-A			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_333.D
Lims ID: MB 480-305616/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Jun-2016 23:26:04 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:00:12 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:00:59

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0269	134.42
$ 15 DCB Decachlorobiphenyl	0.0200	0.0280	139.96

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0287	143.36
$ 15 DCB Decachlorobiphenyl	0.0200	0.0281	140.55

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

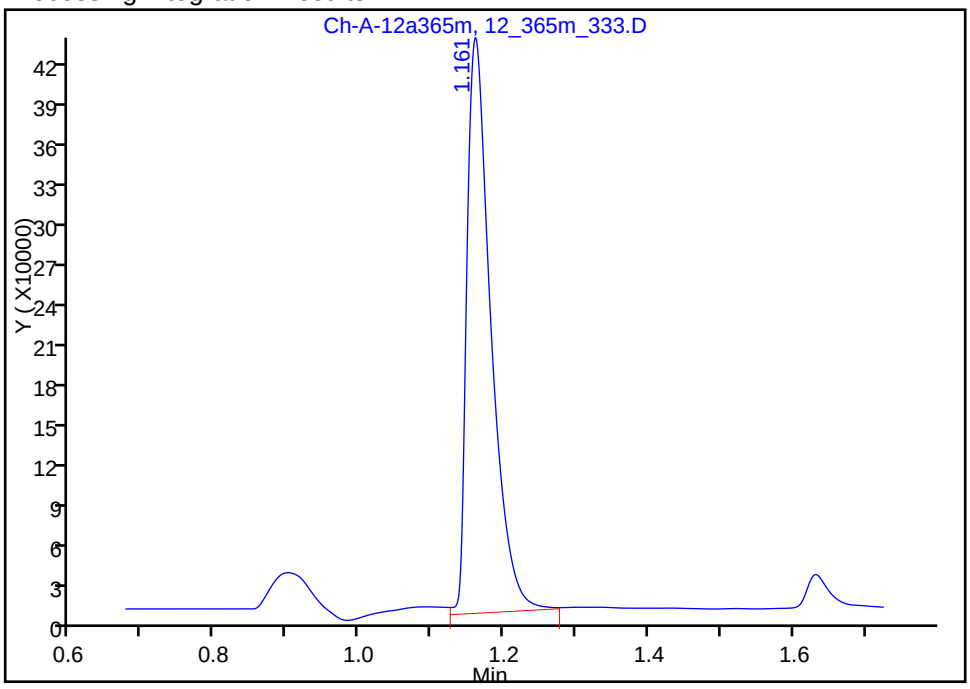
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_333.D
Injection Date: 08-Jun-2016 23:26:04 Instrument ID: HP5890-12
Lims ID: MB 480-305616/1-A
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

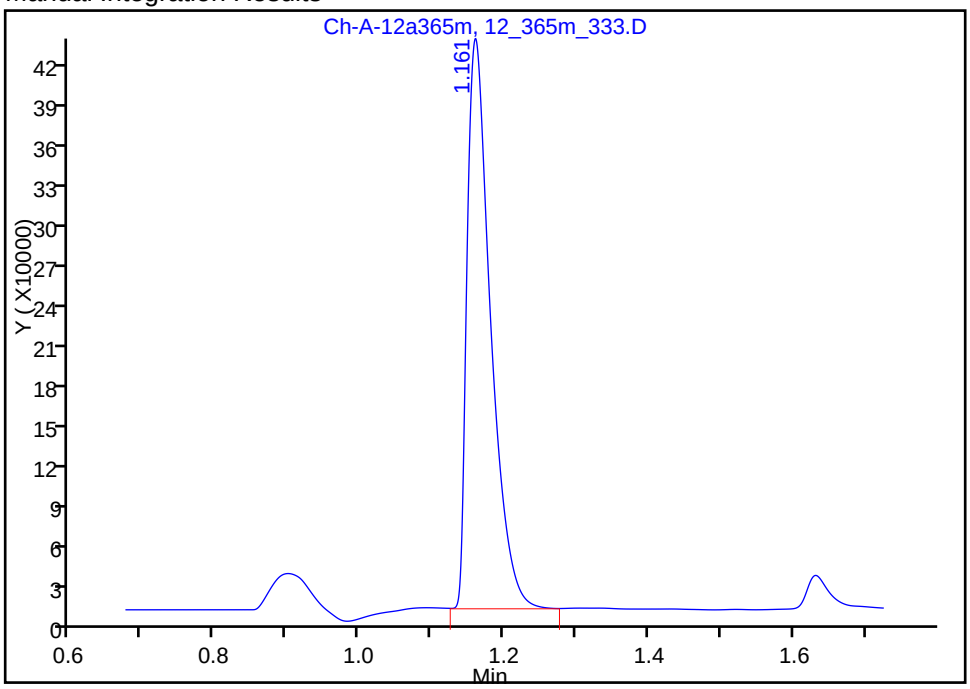
Processing Integration Results

RT: 1.16
Area: 988614
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 962936
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 08-Jun-2016 23:46:47
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-305701/1-A

Matrix: Water | Lab File ID: 7_06-333.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 06/08/2016 15:12

Sample wt/vol: 250(mL) | Date Analyzed: 06/09/2016 02:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		24-137
2051-24-3	DCB Decachlorobiphenyl	46		19-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-333.D
Lims ID: MB 480-305701/1-A
Client ID:
Sample Type: MB
Inject. Date: 09-Jun-2016 02:32:56 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:56:26 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:56:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.117	1.109	0.008	10701173	0.5000	0.5000	
2	1.048	1.040	0.008	18703593	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.021	2.020	0.001	499749	0.0200	0.0163	
2	1.638	1.638	0.000	641576	0.0200	0.0140	
						RPD = 15.35	
2 1260 Res 1							
1	5.597	5.643	-0.046	1519		NC	
2	4.913	4.878	0.036	13071		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.964	6.965	-0.001	156714	0.0200	0.009257	
2	6.339	6.339	0.000	294480	0.0200	0.008634	
						RPD = 6.96	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

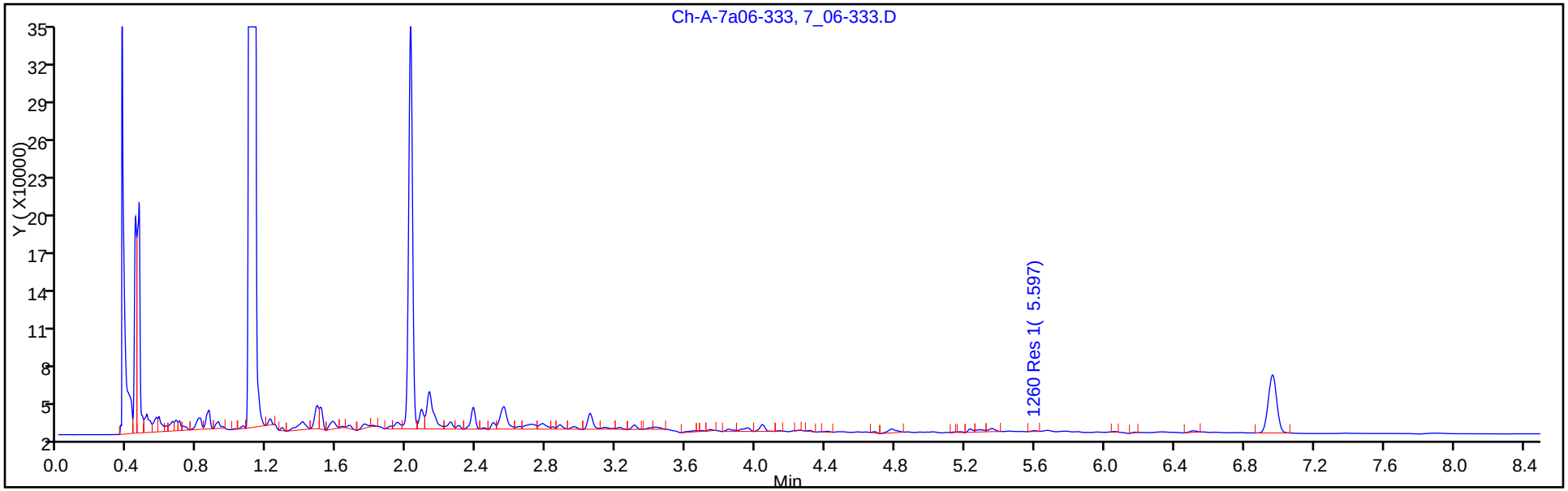
Report Date: 09-Jun-2016 02:56:26 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

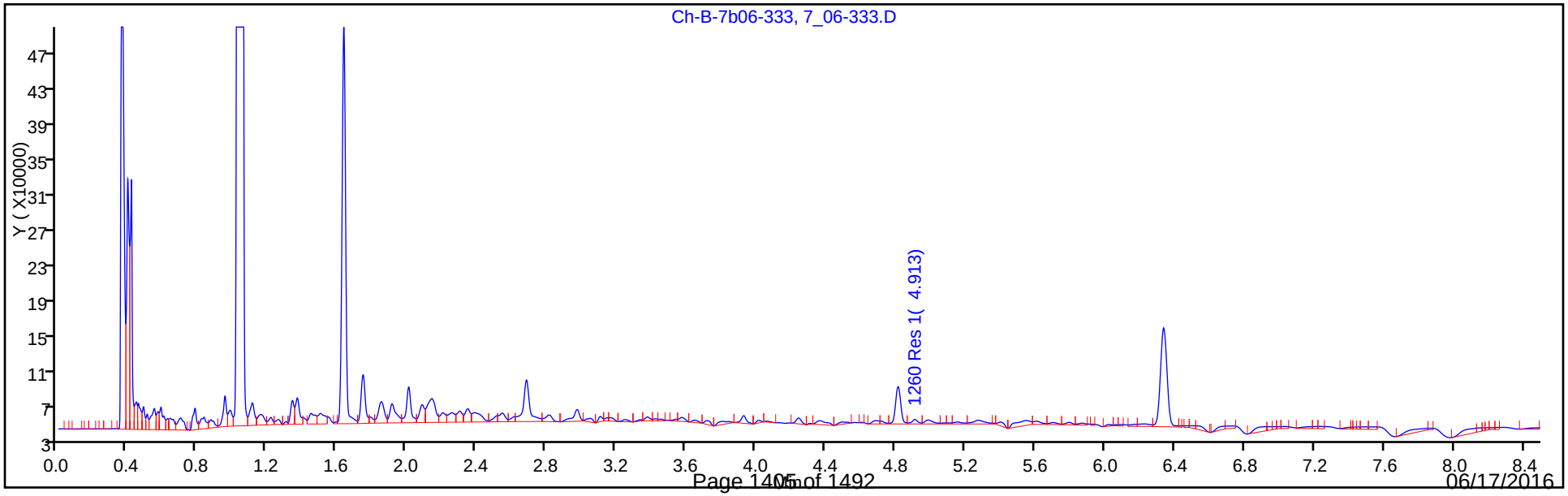
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-333.D

Injection Date:	09-Jun-2016 02:32:56	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	MB 480-305701/1-A			Worklist Smp#:	36
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-333.D				
Lims ID:	MB 480-305701/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Jun-2016 02:32:56	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP6890-7		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:56:26	Calib Date:	29-Apr-2016 01:08:20		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:56:26		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0163	81.64
$ 15 DCB Decachlorobiphenyl	0.0200	0.009257	46.28

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0140	70.00
$ 15 DCB Decachlorobiphenyl	0.0200	0.008634	43.17

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-305614/2-A

Matrix: Solid | Lab File ID: 7_06-308.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:08

Sample wt/vol: 2.06(g) | Date Analyzed: 06/08/2016 18:45

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.10		0.24	0.047
11096-82-5	PCB-1260	3.24		0.24	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	129		60-154
2051-24-3	DCB Decachlorobiphenyl	131		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-308.D
Lims ID: LCS 480-305614/2-A
Client ID:
Sample Type: LCS
Inject. Date: 08-Jun-2016 18:45:41 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:35:49 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:35:49

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.108	1.109	-0.001	10970803	0.5000	0.5000	
2	1.040	1.040	0.000	19332445	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.018	2.020	-0.002	807599	0.0200	0.0257	
2	1.634	1.638	-0.004	1059123	0.0200	0.0224	
						RPD = 14.05	
9 PCB-1016							
1	2.598	2.602	-0.004	594953	0.5000	0.5985	
1	2.749	2.751	-0.002	369937	0.5000	0.6055	
1	2.953	2.954	-0.002	1373944	0.5000	0.6853	
1	3.037	3.038	-0.001	512924	0.5000	0.6460	
1	3.099	3.099	0.000	347656	0.5000	0.6528	
		Average of Peak Amounts =				0.6376	
2	2.343	2.343	-0.001	1121699	0.5000	0.6345	
2	2.651	2.653	-0.002	2389511	0.5000	0.6145	
2	2.766	2.766	0.000	878638	0.5000	0.6055	
2	2.858	2.860	-0.002	485142	0.5000	0.5891	
2	3.135	3.137	-0.002	1127782	0.5000	0.6121	
		Average of Peak Amounts =				0.6111	
						RPD = 4.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.813	4.813	-0.001	1129211	0.5000	0.7050	
1	4.942	4.942	0.000	598648	0.5000	0.6508	
1	5.132	5.133	0.000	563518	0.5000	0.6489	
1	5.335	5.337	-0.002	1400570	0.5000	0.6732	
1	5.578	5.578	0.000	676849	0.5000	0.6595	
		Average of Peak Amounts =				0.6675	
2	4.500	4.501	-0.001	1428427	0.5000	0.6864	
2	4.550	4.549	0.001	1286469	0.5000	0.6922	
2	4.810	4.811	-0.001	1054013	0.5000	0.5666	
2	4.948	4.948	0.000	3056031	0.5000	0.6880	
2	5.283	5.282	0.000	1626465	0.5000	0.6244	
		Average of Peak Amounts =				0.6515	
						RPD = 2.42	
$ 15 DCB Decachlorobiphenyl							
1	6.965	6.965	0.000	432217	0.0200	0.0262	
2	6.340	6.339	0.001	915131	0.0200	0.0268	
						RPD = 2.43	

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

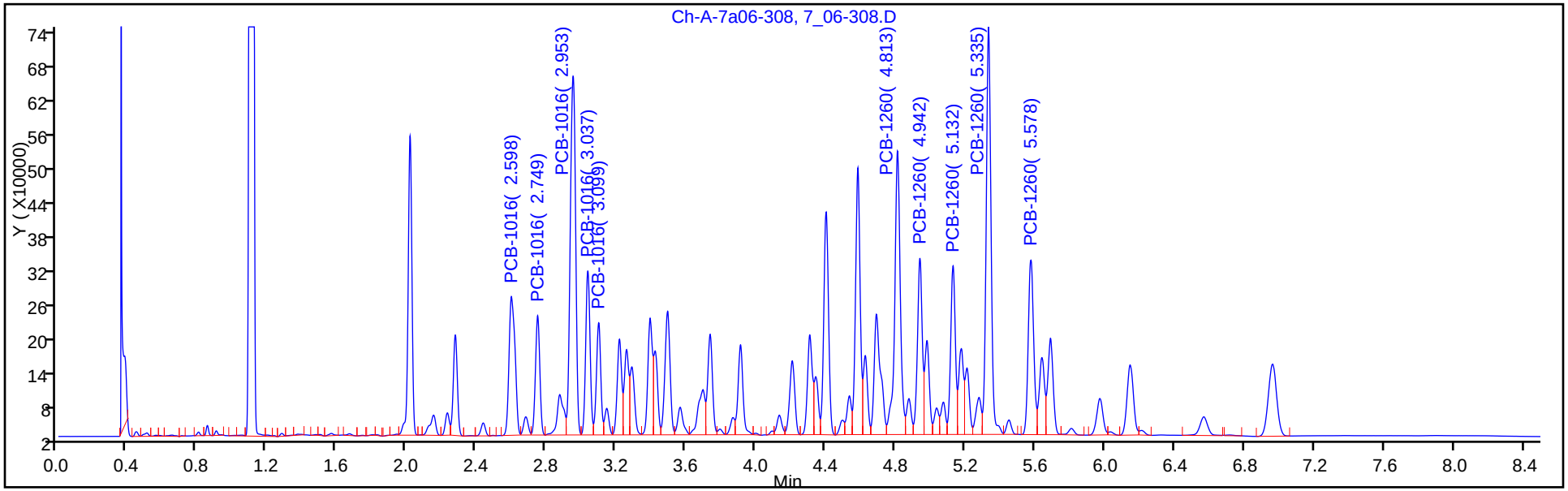
Report Date: 09-Jun-2016 02:35:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

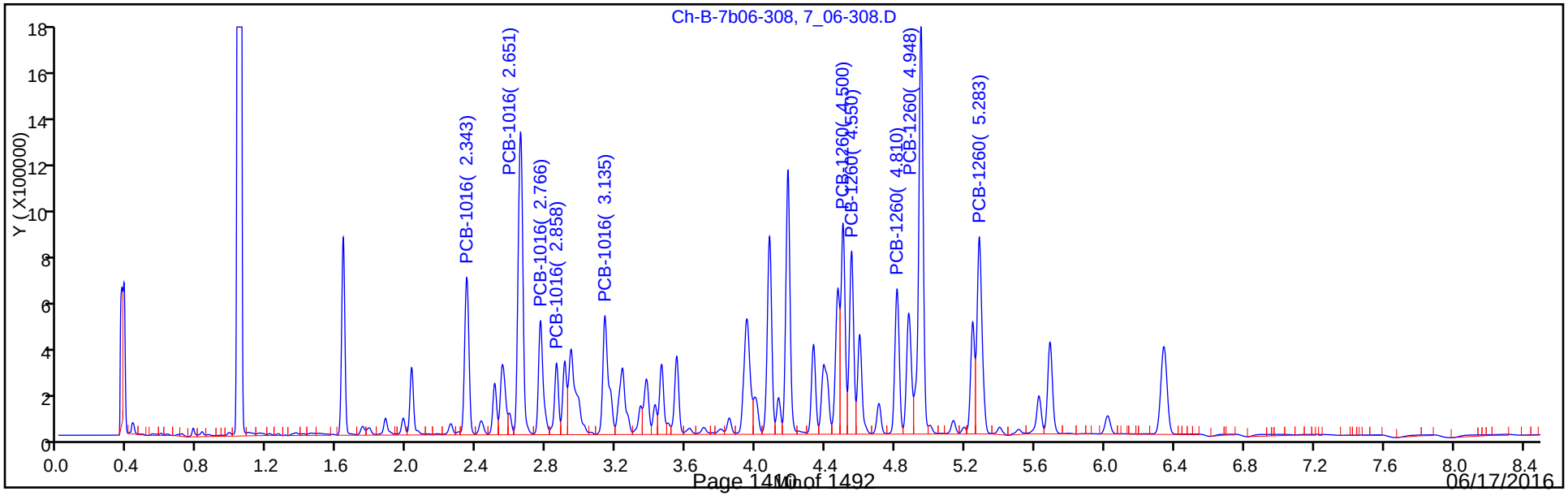
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-308.D

Injection Date:	08-Jun-2016 18:45:41	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	LCS 480-305614/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-308.D
Lims ID: LCS 480-305614/2-A
Client ID:
Sample Type: LCS
Inject. Date: 08-Jun-2016 18:45:41 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:35:49 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:35:49

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0257	128.69
$ 15 DCB Decachlorobiphenyl	0.0200	0.0262	130.86

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0224	111.80
$ 15 DCB Decachlorobiphenyl	0.0200	0.0268	134.08

Report Date: 09-Jun-2016 02:35:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

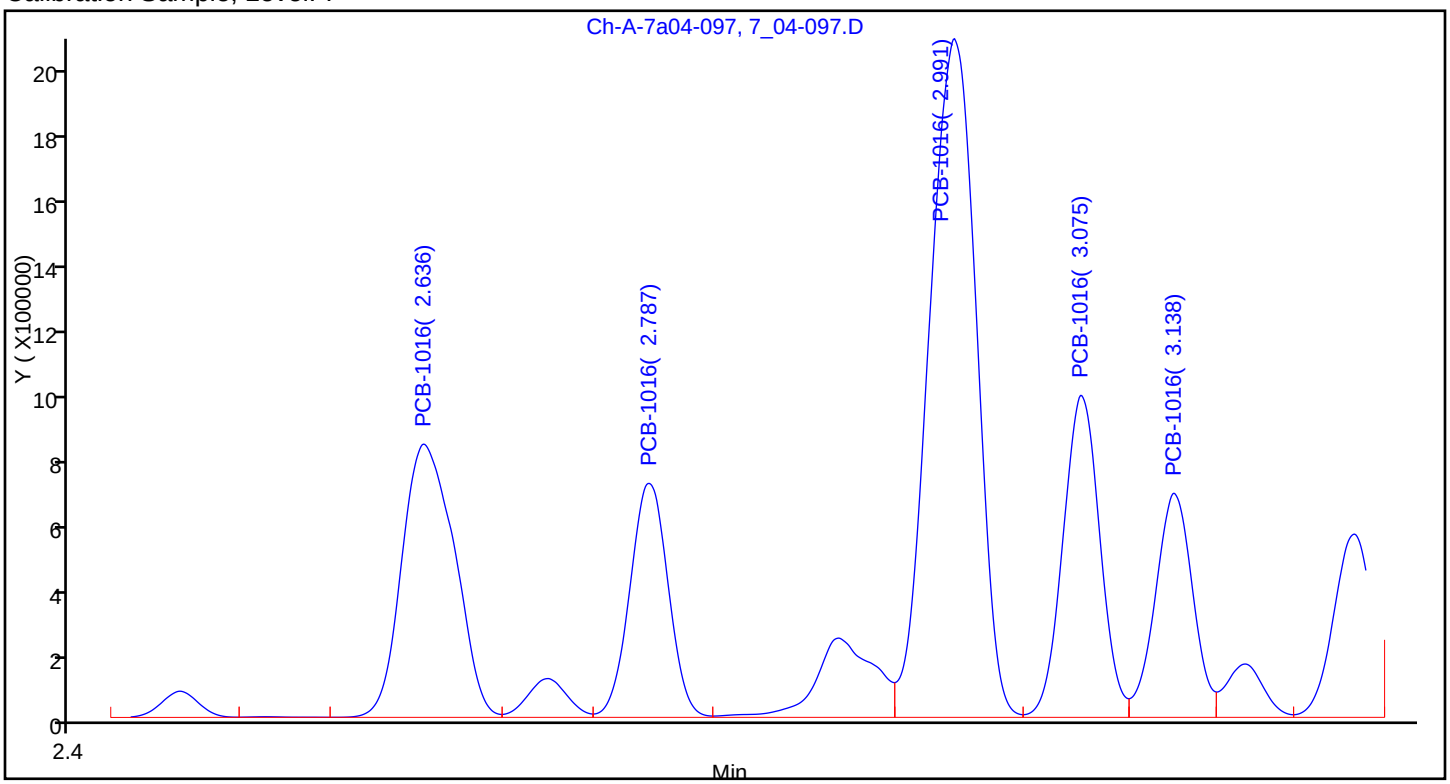
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-308.D

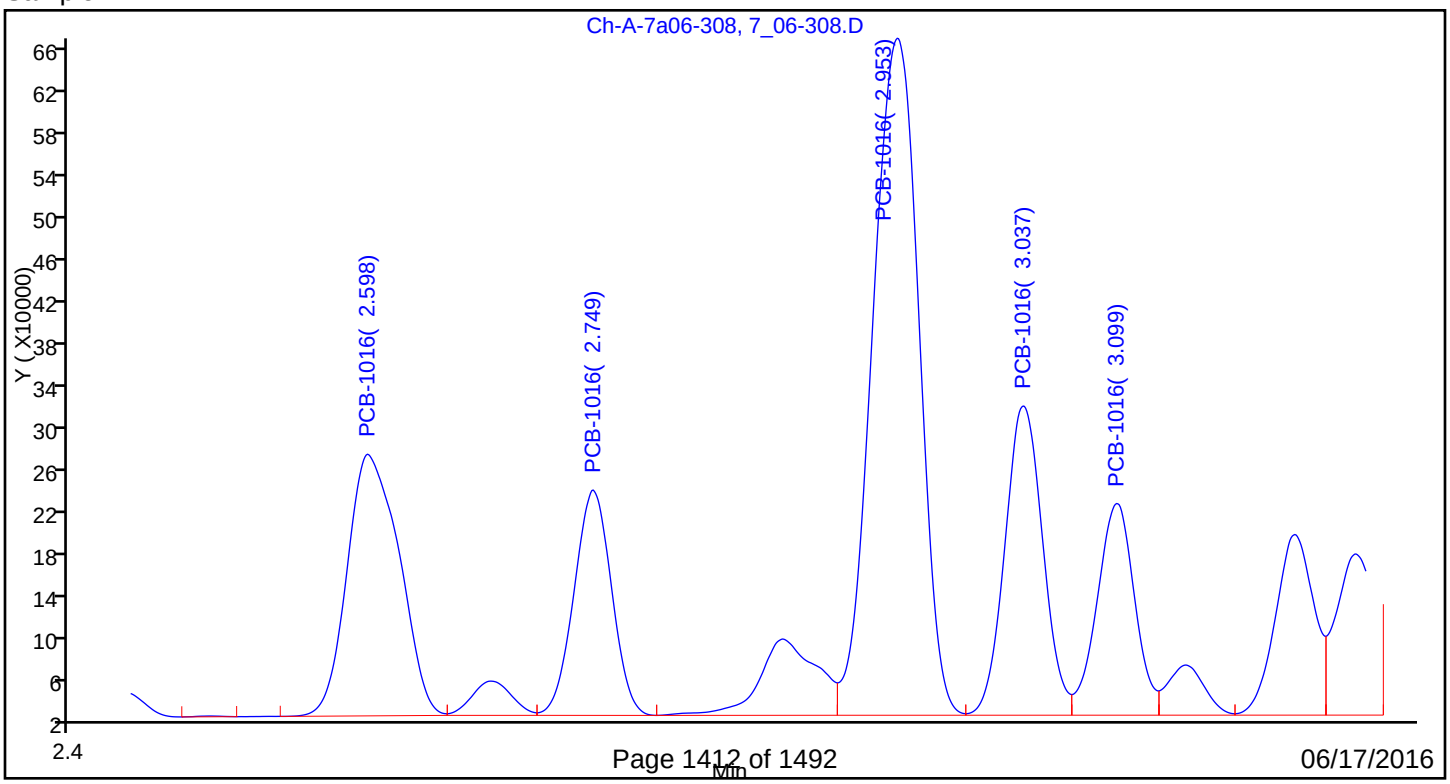
Injection Date:	08-Jun-2016 18:45:41	Instrument ID:	HP6890-7		
Lims ID:	LCS 480-305614/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 02:35:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

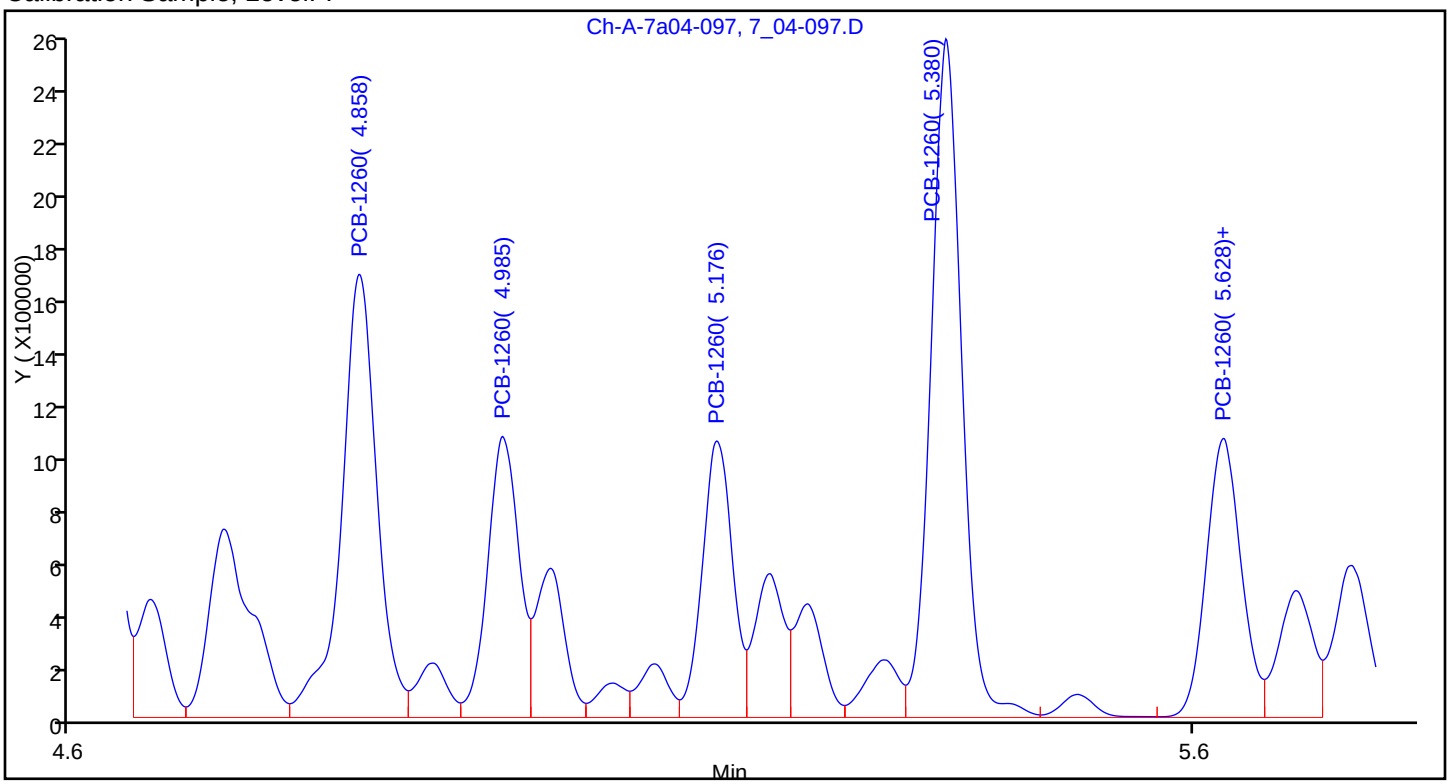
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-308.D

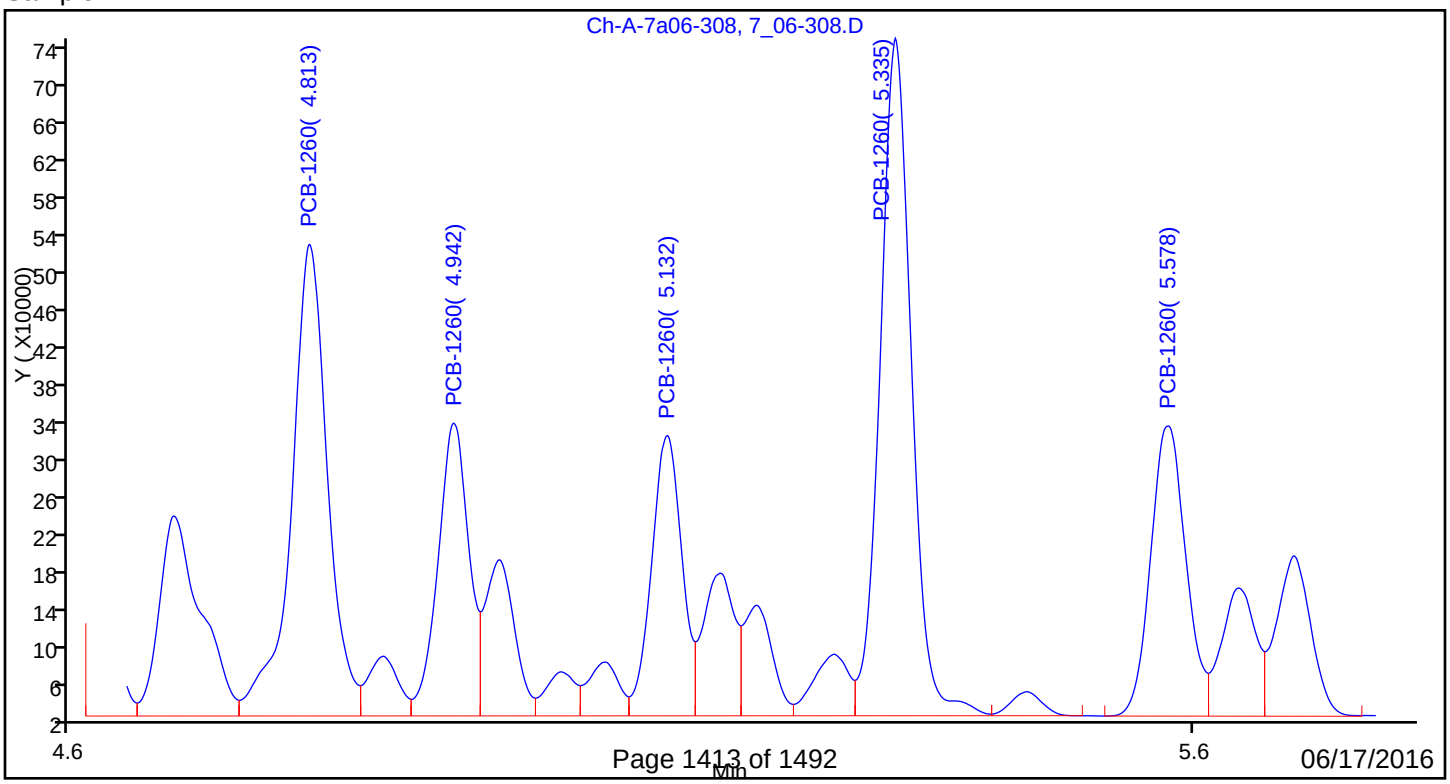
Injection Date:	08-Jun-2016 18:45:41	Instrument ID:	HP6890-7		
Lims ID:	LCS 480-305614/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-305616/2-A

Matrix: Solid | Lab File ID: 12_365m_334.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.53(g) | Date Analyzed: 06/08/2016 23:41

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.49		0.20	0.039
11096-82-5	PCB-1260	2.89		0.20	0.092

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	144		60-154
2051-24-3	DCB Decachlorobiphenyl	146		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D
Lims ID: LCS 480-305616/2-A
Client ID:
Sample Type: LCS
Inject. Date: 08-Jun-2016 23:41:27 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:04:18 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:04:18

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.159	1.159	0.000	1069717	0.5000	0.5000	M
2	1.606	1.606	0.000	881709	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.629	1.631	-0.002	70744	0.0200	0.0288	M
2	2.196	2.198	-0.002	44810	0.0200	0.0299	
						RPD = 3.47	
9 PCB-1016							M
1	1.799	1.802	-0.003	48796	0.5000	0.7138	M
1	2.129	2.131	-0.002	49417	0.5000	0.6813	M
1	2.279	2.280	-0.001	115043	0.5000	0.5643	M
1	2.345	2.347	-0.002	49832	0.5000	0.5652	M
1	2.390	2.391	-0.001	36024	0.5000	0.6279	M
		Average of Peak Amounts =				0.6305	
2	2.611	2.611	0.000	19906	0.5000	0.4224	
2	2.932	2.932	0.000	57533	0.5000	0.6176	M
2	3.143	3.145	-0.002	32001	0.5000	0.6025	M
2	3.239	3.239	0.000	72611	0.5000	0.4630	
2	3.362	3.362	0.000	30062	0.5000	0.4595	
		Average of Peak Amounts =				0.5130	
						RPD = 20.55	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	3.894	3.896	-0.002	151937	0.5000	0.7924	
1	4.020	4.022	-0.002	73711	0.5000	0.6763	
1	4.197	4.199	-0.002	68188	0.5000	0.7060	
1	4.389	4.391	-0.002	214601	0.5000	0.7308	
1	4.613	4.615	-0.002	94796	0.5000	0.7547	
		Average of Peak Amounts =				0.7320	
2	5.121	5.123	-0.002	82494	0.5000	0.7572	
2	5.443	5.443	0.000	64653	0.5000	0.7600	
2	5.509	5.509	0.000	50558	0.5000	0.7012	
2	5.572	5.572	0.000	178068	0.5000	0.7328	
2	5.949	5.949	0.000	113036	0.5000	0.7007	
		Average of Peak Amounts =				0.7304	
						RPD = 0.22	
$ 15 DCB Decachlorobiphenyl							
1	5.577	5.577	0.000	106735	0.0200	0.0292	
2	7.235	7.235	0.000	90354	0.0200	0.0306	
						RPD = 5.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

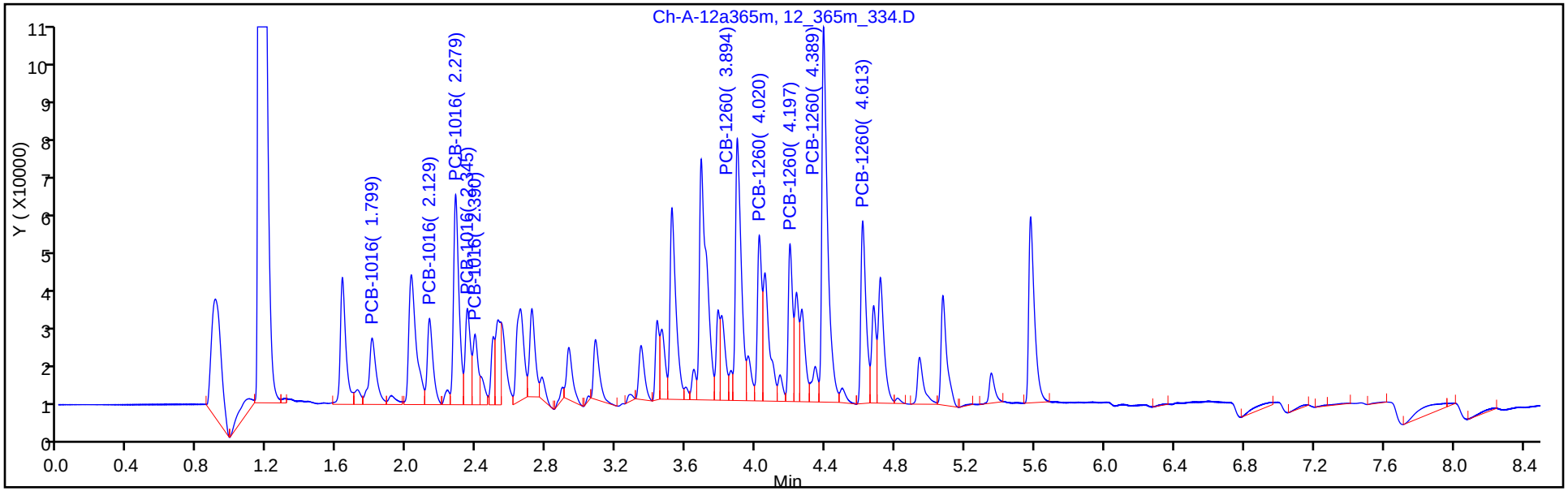
Report Date: 09-Jun-2016 02:04:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

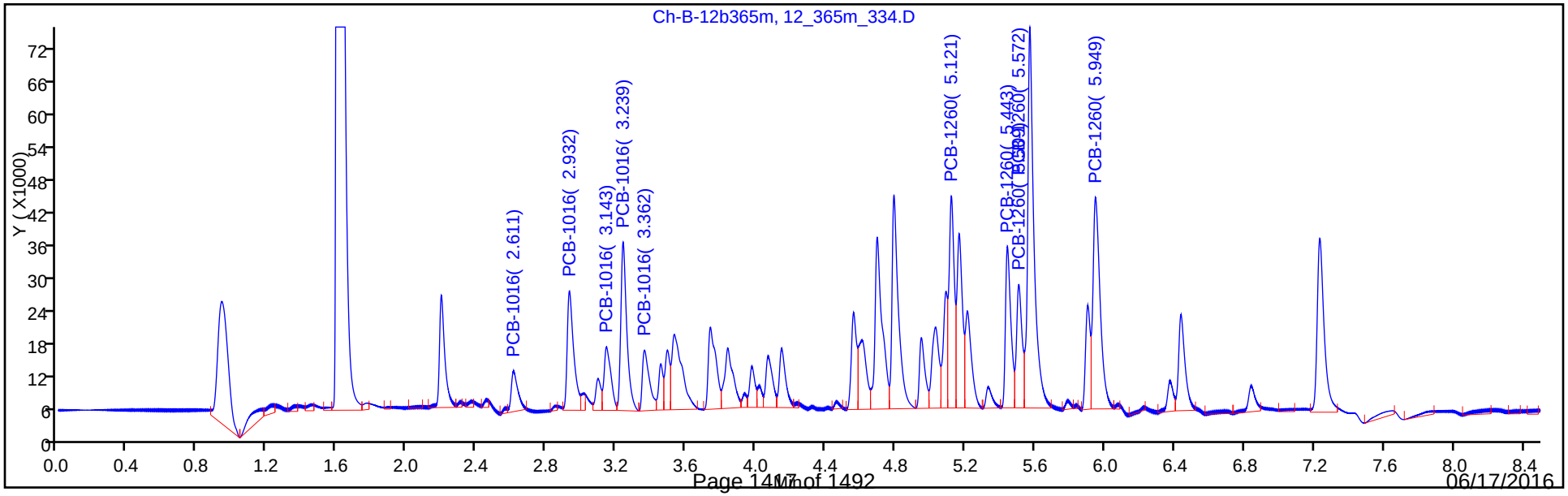
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D

Injection Date:	08-Jun-2016 23:41:27	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	LCS 480-305616/2-A			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D				
Lims ID:	LCS 480-305616/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	08-Jun-2016 23:41:27	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:04:18	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:04:18		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0288	144.21
$ 15 DCB Decachlorobiphenyl	0.0200	0.0292	145.77

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0299	149.30
$ 15 DCB Decachlorobiphenyl	0.0200	0.0306	153.25

Report Date: 09-Jun-2016 02:04:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

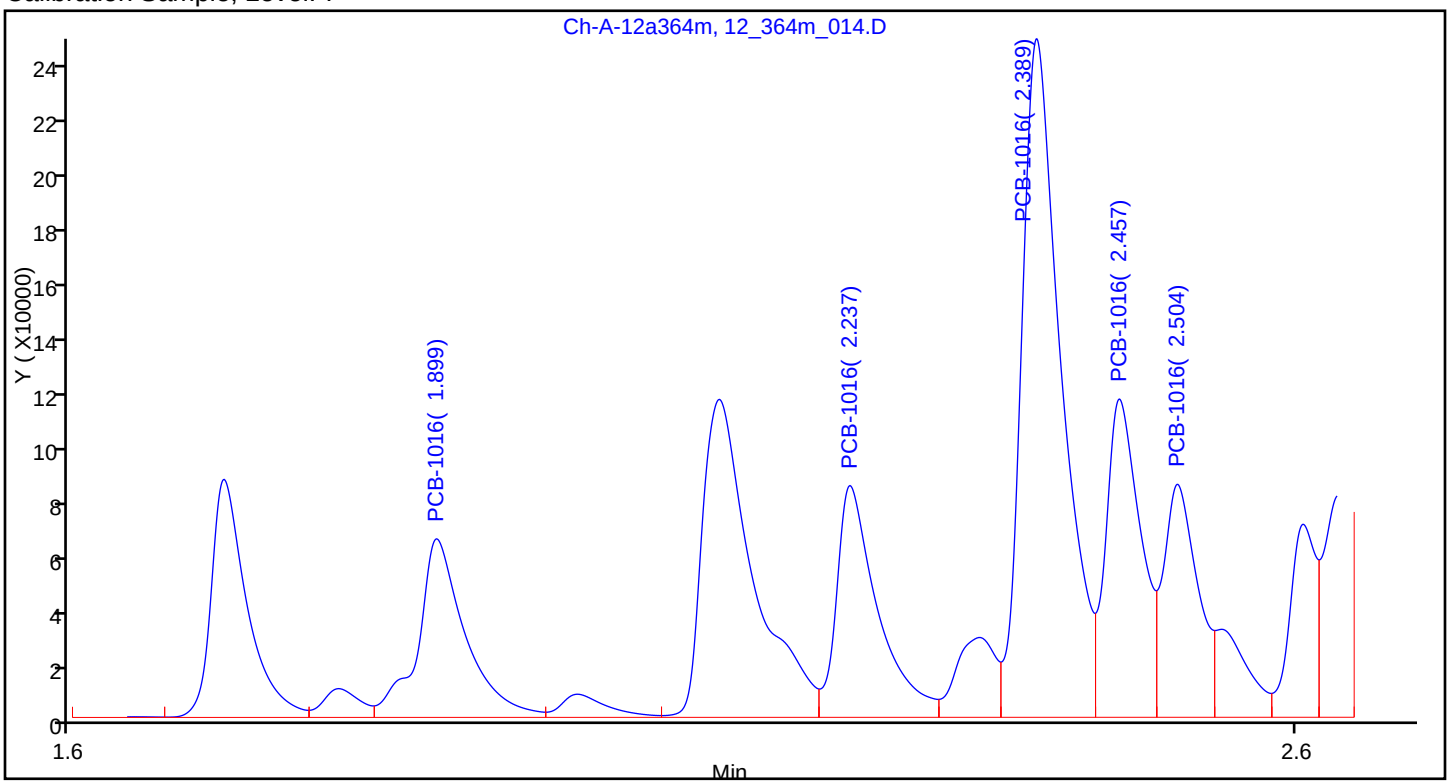
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D

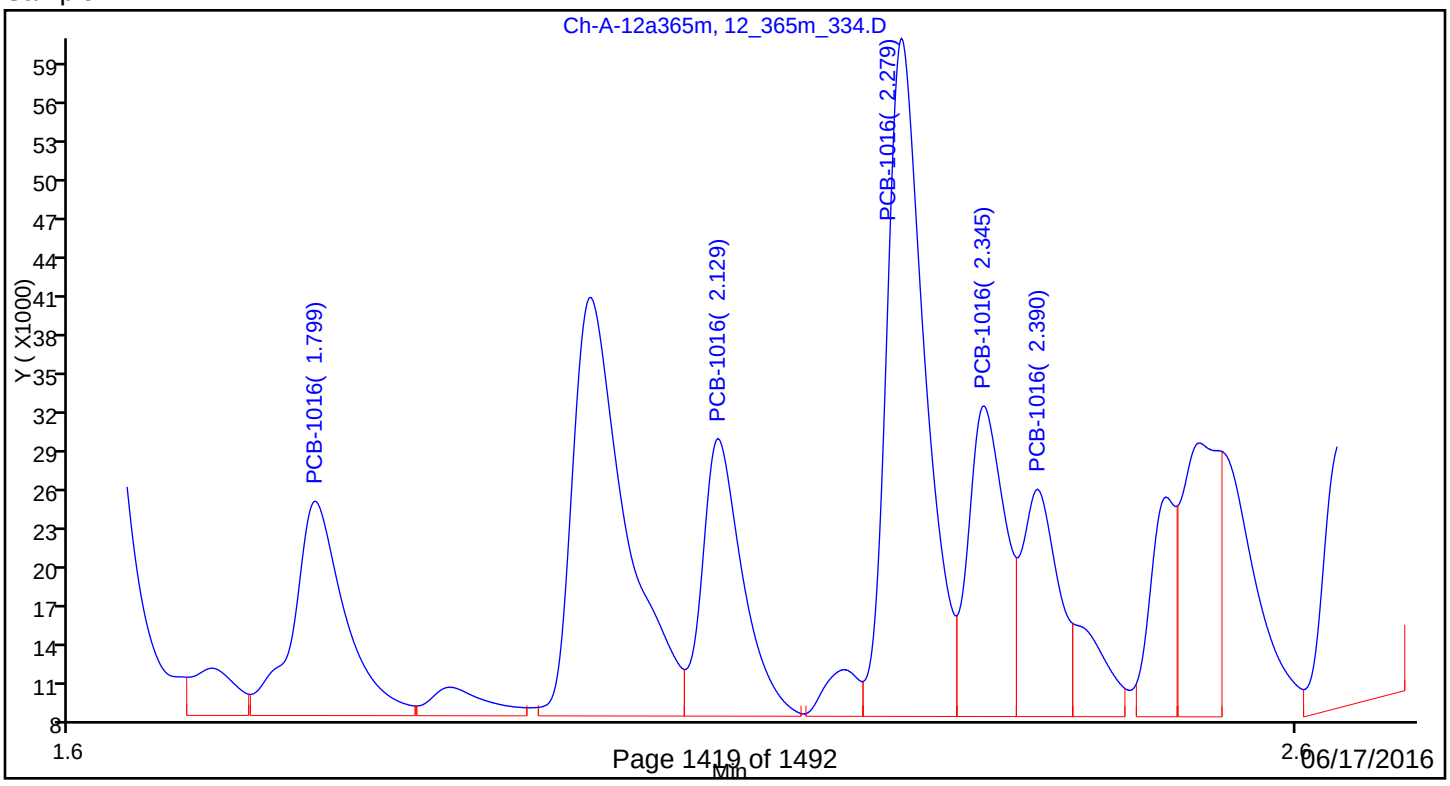
Injection Date:	08-Jun-2016 23:41:27	Instrument ID:	HP5890-12
Lims ID:	LCS 480-305616/2-A		
Client ID:			
Operator ID:	BufTCHROM	ALS Bottle#:	0 Worklist Smp#: 28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL
Column:		Detector	Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 02:04:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

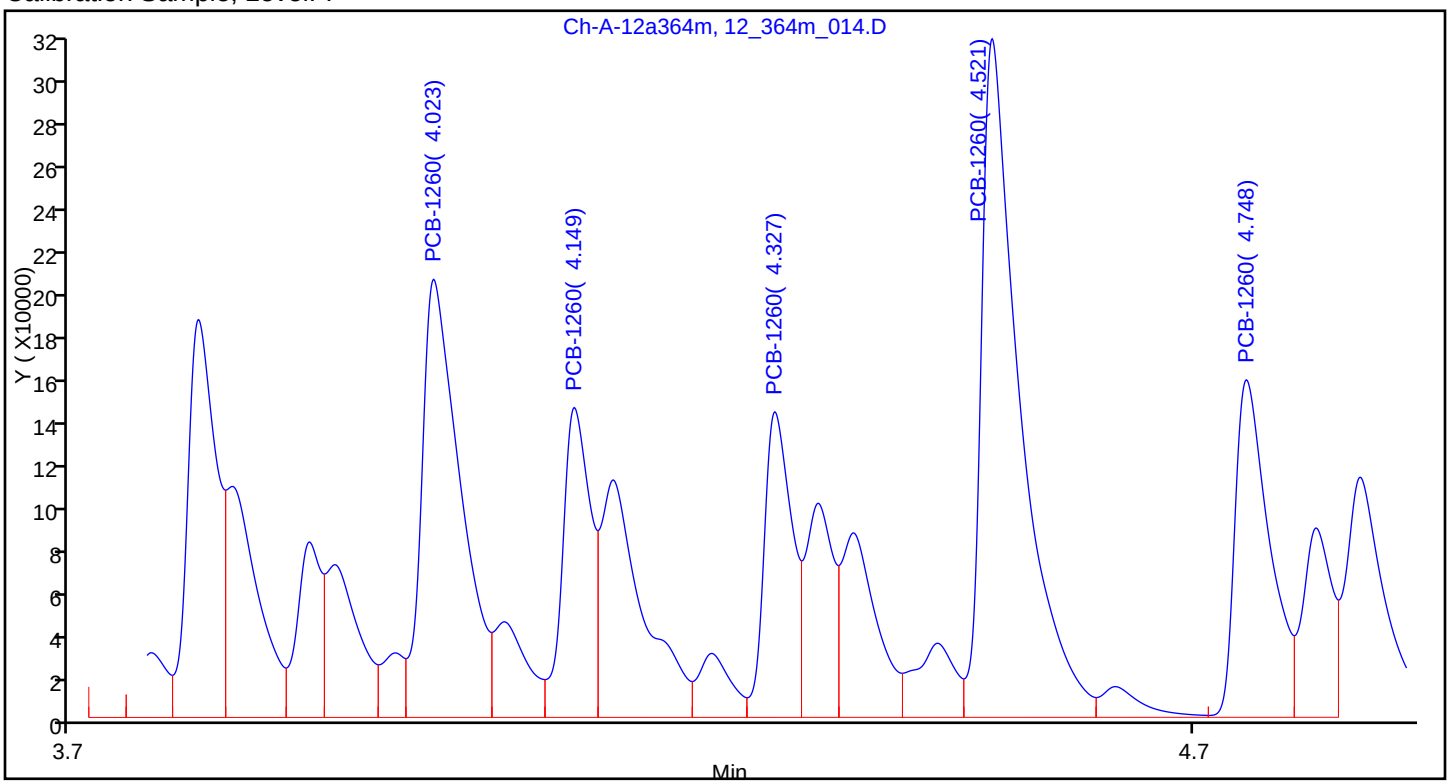
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D

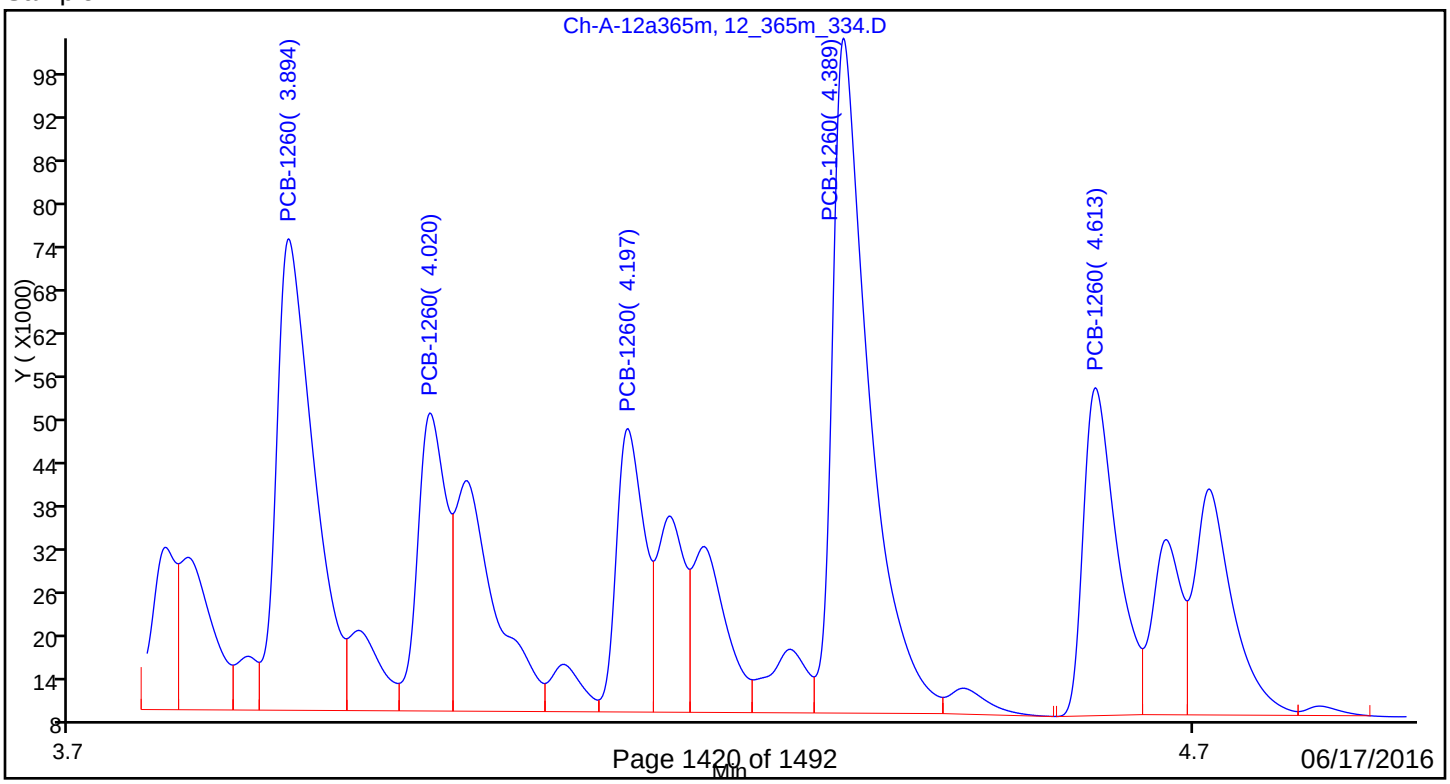
Injection Date:	08-Jun-2016 23:41:27	Instrument ID:	HP5890-12
Lims ID:	LCS 480-305616/2-A		
Client ID:			
Operator ID:	BufTCHROM	ALS Bottle#:	0 Worklist Smp#: 28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL
Column:		Detector	Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 02:04:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D

Injection Date: 08-Jun-2016 23:41:27 Instrument ID: HP5890-12

Lims ID: LCS 480-305616/2-A

Client ID:

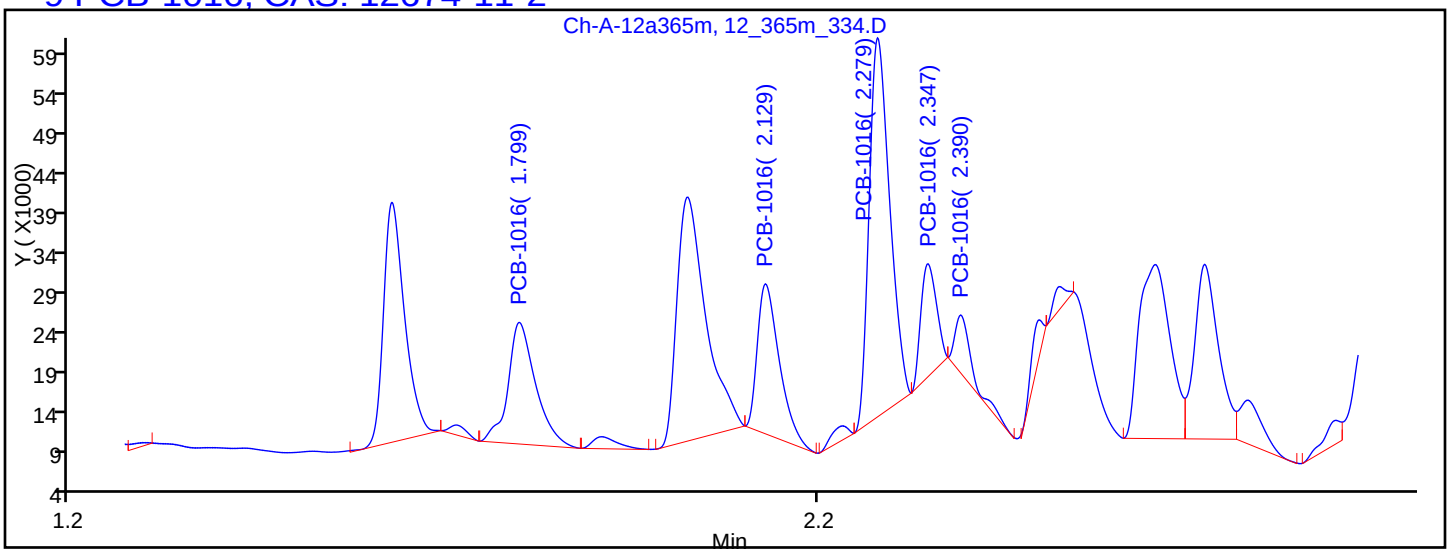
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

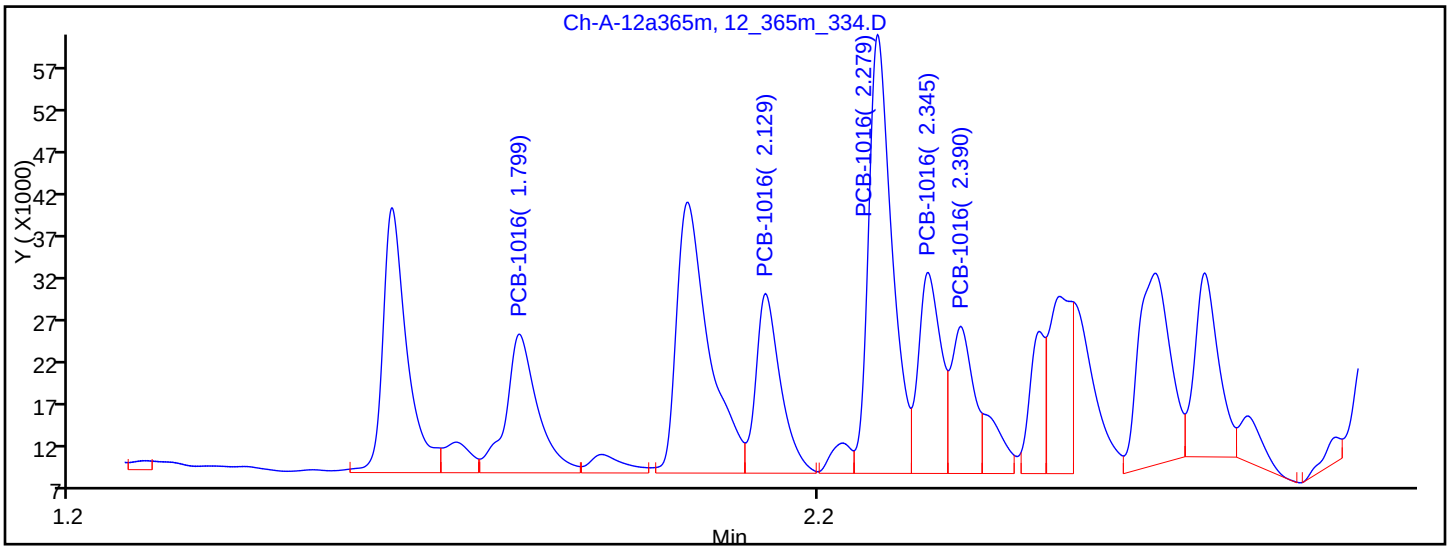
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.799	Response = 39253	M
RT = 2.129	Response = 38706	M
RT = 2.279	Response = 91070	M
RT = 2.347	Response = 20610	M
RT = 2.390	Response = 10881	M



Manual Integration Results

RT = 1.799	Response = 48796	M
RT = 2.129	Response = 49417	M
RT = 2.279	Response = 115043	M
RT = 2.345	Response = 49832	M
RT = 2.390	Response = 36024	M

Reviewer: sobolk, 09-Jun-2016 02:04:18

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

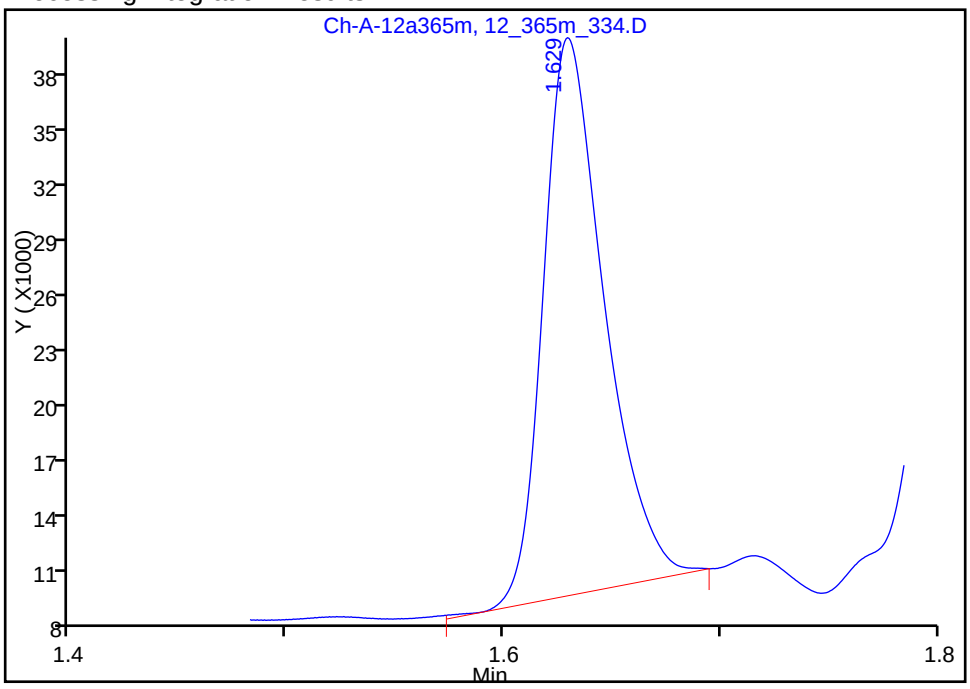
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D
Injection Date: 08-Jun-2016 23:41:27 Instrument ID: HP5890-12
Lims ID: LCS 480-305616/2-A
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

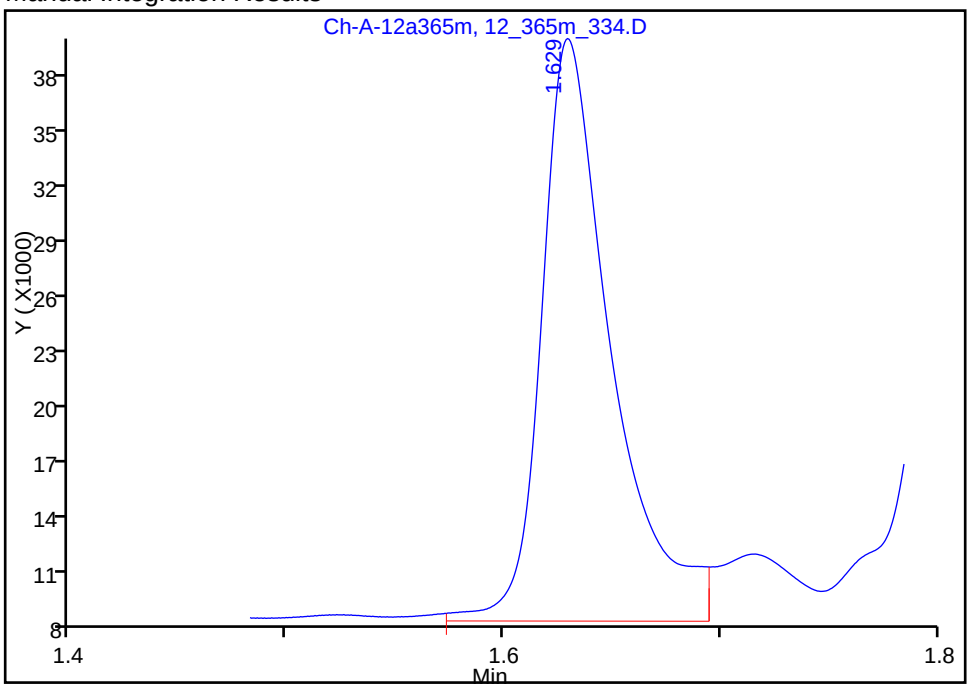
Processing Integration Results

RT: 1.63
Area: 59267
Amount: 0.024163
Amount Units: ng/uL



Manual Integration Results

RT: 1.63
Area: 70744
Amount: 0.028842
Amount Units: ng/uL



Reviewer: sobolk, 09-Jun-2016 02:04:18
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

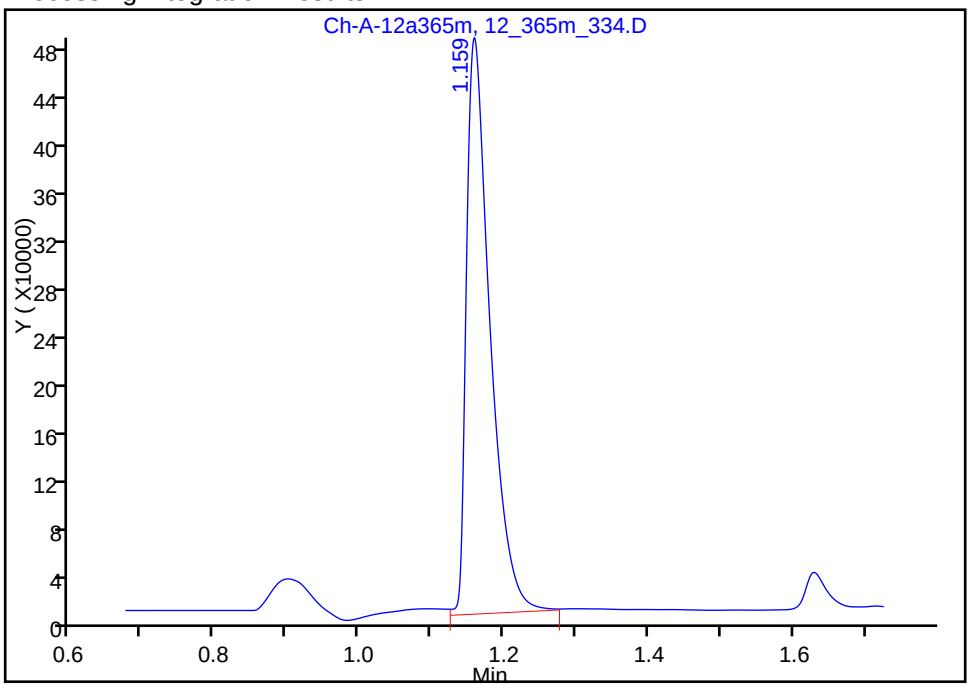
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_334.D
Injection Date: 08-Jun-2016 23:41:27 Instrument ID: HP5890-12
Lims ID: LCS 480-305616/2-A
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

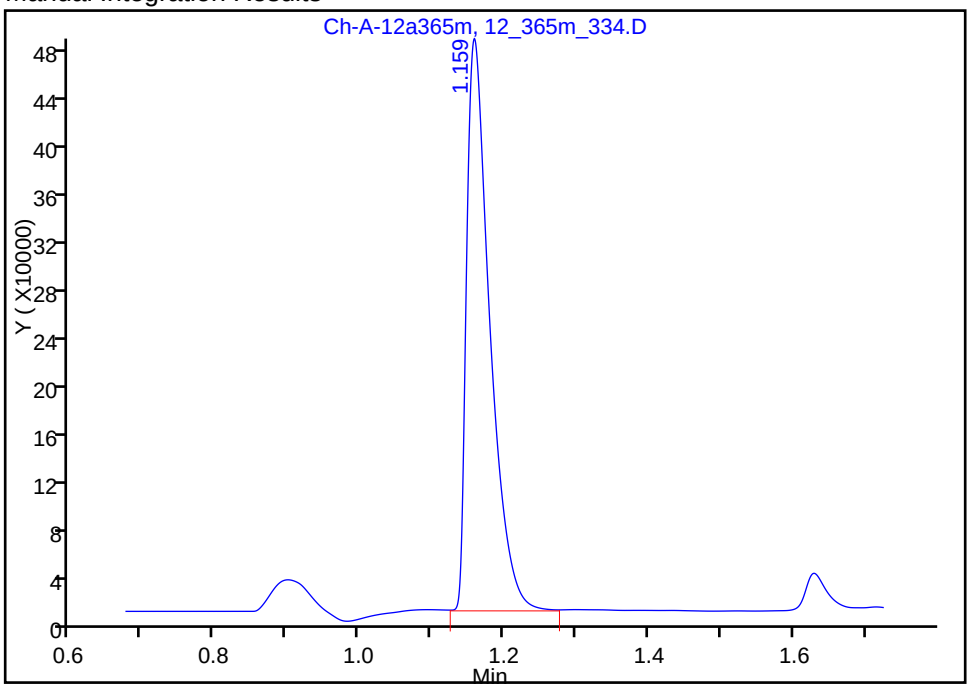
Processing Integration Results

RT: 1.16
Area: 1089575
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 1069717
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 09-Jun-2016 02:04:18
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-305701/2-A

Matrix: Water | Lab File ID: 7_06-334.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 06/08/2016 15:12

Sample wt/vol: 250(mL) | Date Analyzed: 06/09/2016 02:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.78		0.50	0.18
11096-82-5	PCB-1260	2.39		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		24-137
2051-24-3	DCB Decachlorobiphenyl	29		19-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-334.D
Lims ID: LCS 480-305701/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Jun-2016 02:51:38 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 03:11:31 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 03:11:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.114	1.109	0.005	11351189	0.5000	0.5000	
2	1.046	1.040	0.006	19595225	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.021	2.020	0.001	414019	0.0200	0.0128	
2	1.638	1.638	0.000	506585	0.0200	0.0106	
						RPD = 18.89	
9 PCB-1016							M
1	2.602	2.602	0.000	343308	0.5000	0.3338	
1	2.752	2.751	0.001	210158	0.5000	0.3325	
1	2.954	2.954	0.000	738720	0.5000	0.3561	
1	3.039	3.038	0.001	295365	0.5000	0.3595	
1	3.100	3.099	0.001	197582	0.5000	0.3586	
		Average of Peak Amounts =				0.3481	
2	2.343	2.343	0.000	617805	0.5000	0.3448	M
2	2.653	2.653	-0.001	1307787	0.5000	0.3318	M
2	2.767	2.766	0.001	477403	0.5000	0.3246	M
2	2.859	2.860	-0.001	258504	0.5000	0.3097	M
2	3.138	3.137	0.001	578036	0.5000	0.3095	
		Average of Peak Amounts =				0.3241	
						RPD = 7.15	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.813	4.813	0.000	584115	0.5000	0.3524	
1	4.943	4.942	0.000	274493	0.5000	0.2884	
1	5.133	5.133	0.000	265553	0.5000	0.2956	
1	5.335	5.337	-0.002	593877	0.5000	0.2759	
1	5.579	5.578	0.001	300662	0.5000	0.2831	
		Average of Peak Amounts =				0.2991	
2	4.500	4.501	-0.001	760566	0.5000	0.3606	M
2	4.550	4.549	0.001	586779	0.5000	0.3115	M
2	4.811	4.811	0.000	507082	0.5000	0.2690	M
2	4.948	4.948	0.000	1331544	0.5000	0.2958	M
2	5.282	5.282	0.000	654160	0.5000	0.2478	M
		Average of Peak Amounts =				0.2969	
						RPD = 0.73	
$ 15 DCB Decachlorobiphenyl							
1	6.964	6.965	-0.001	110082	0.0200	0.005876	
2	6.342	6.339	0.003	244114	0.0200	0.006743	
						RPD = 13.73	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

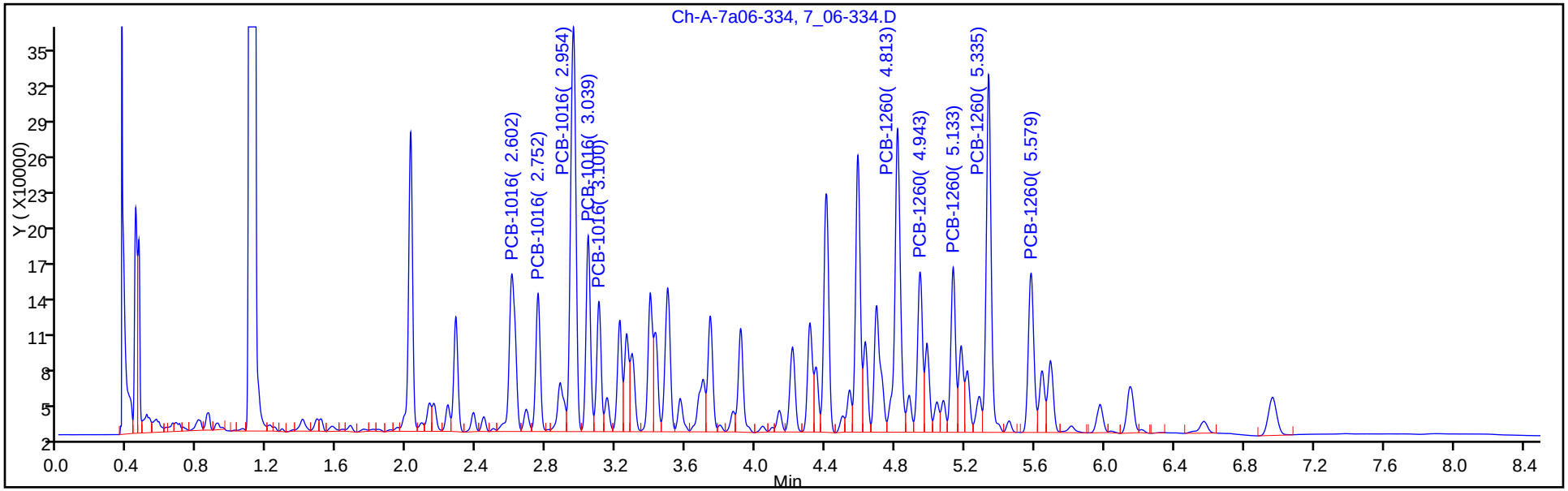
Report Date: 09-Jun-2016 03:11:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

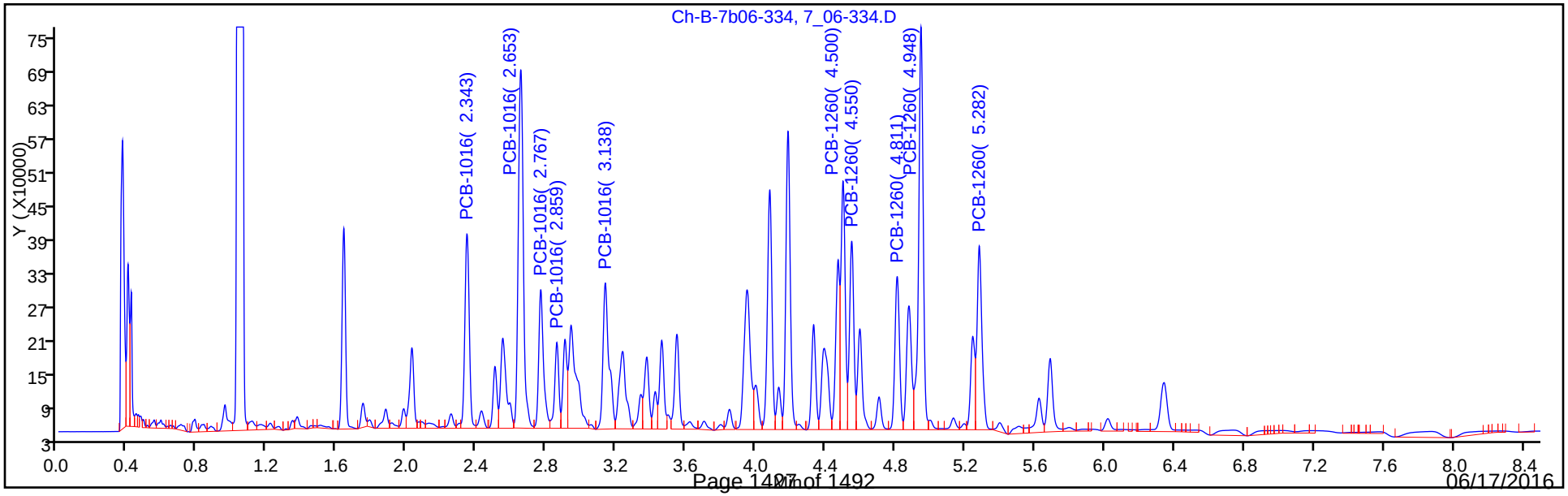
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-334.D

Injection Date:	09-Jun-2016 02:51:38	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	LCS 480-305701/2-A			Worklist Smp#:	37
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-334.D
Lims ID: LCS 480-305701/2-A
Client ID:
Sample Type: LCS
Inject. Date: 09-Jun-2016 02:51:38 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 03:11:31 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 03:11:31

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0128	63.76
$ 15 DCB Decachlorobiphenyl	0.0200	0.005876	29.38

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0106	52.76
$ 15 DCB Decachlorobiphenyl	0.0200	0.006743	33.71

Report Date: 09-Jun-2016 03:11:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-334.D

Injection Date: 09-Jun-2016 02:51:38 Instrument ID: HP6890-7

Lims ID: LCS 480-305701/2-A

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37

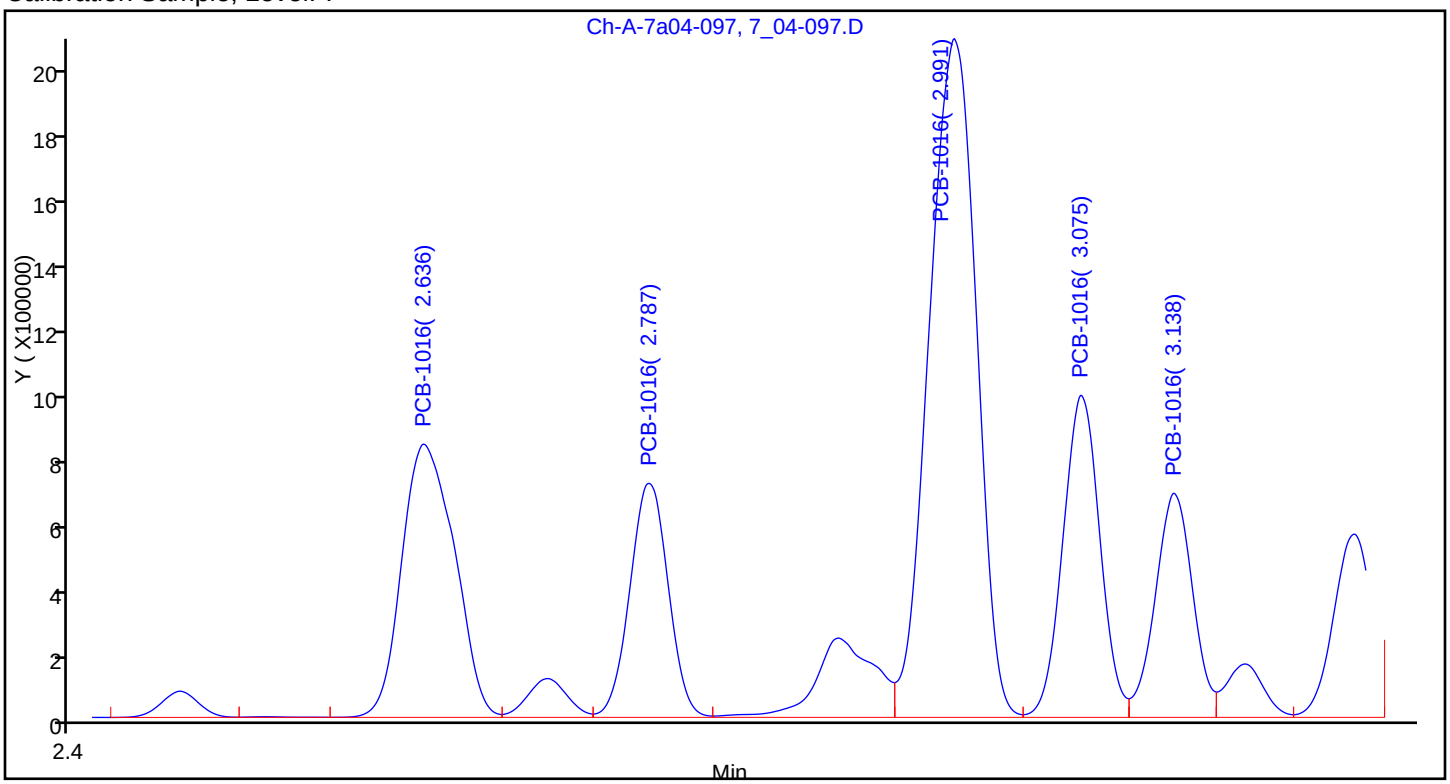
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

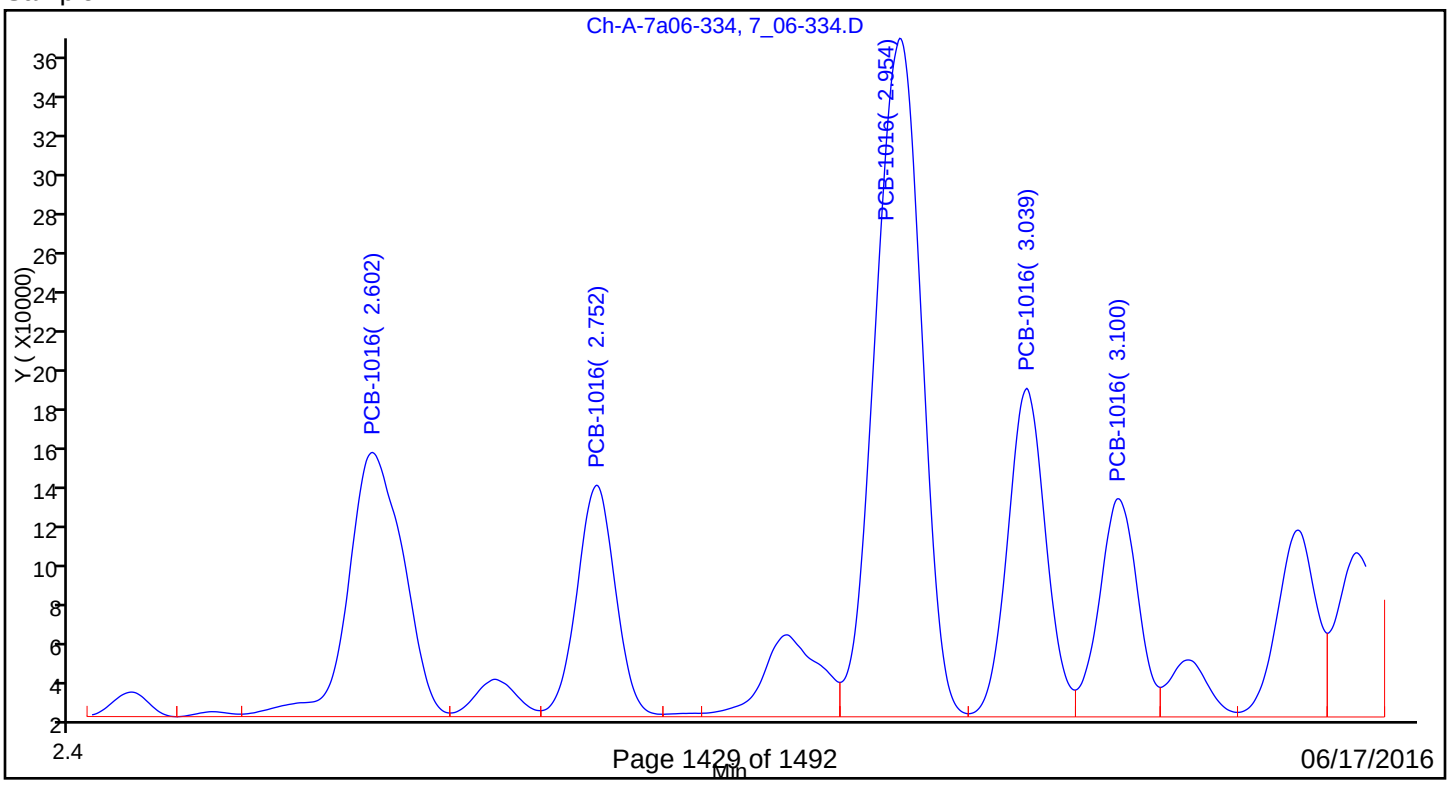
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 03:11:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-334.D

Injection Date: 09-Jun-2016 02:51:38 Instrument ID: HP6890-7

Lims ID: LCS 480-305701/2-A

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37

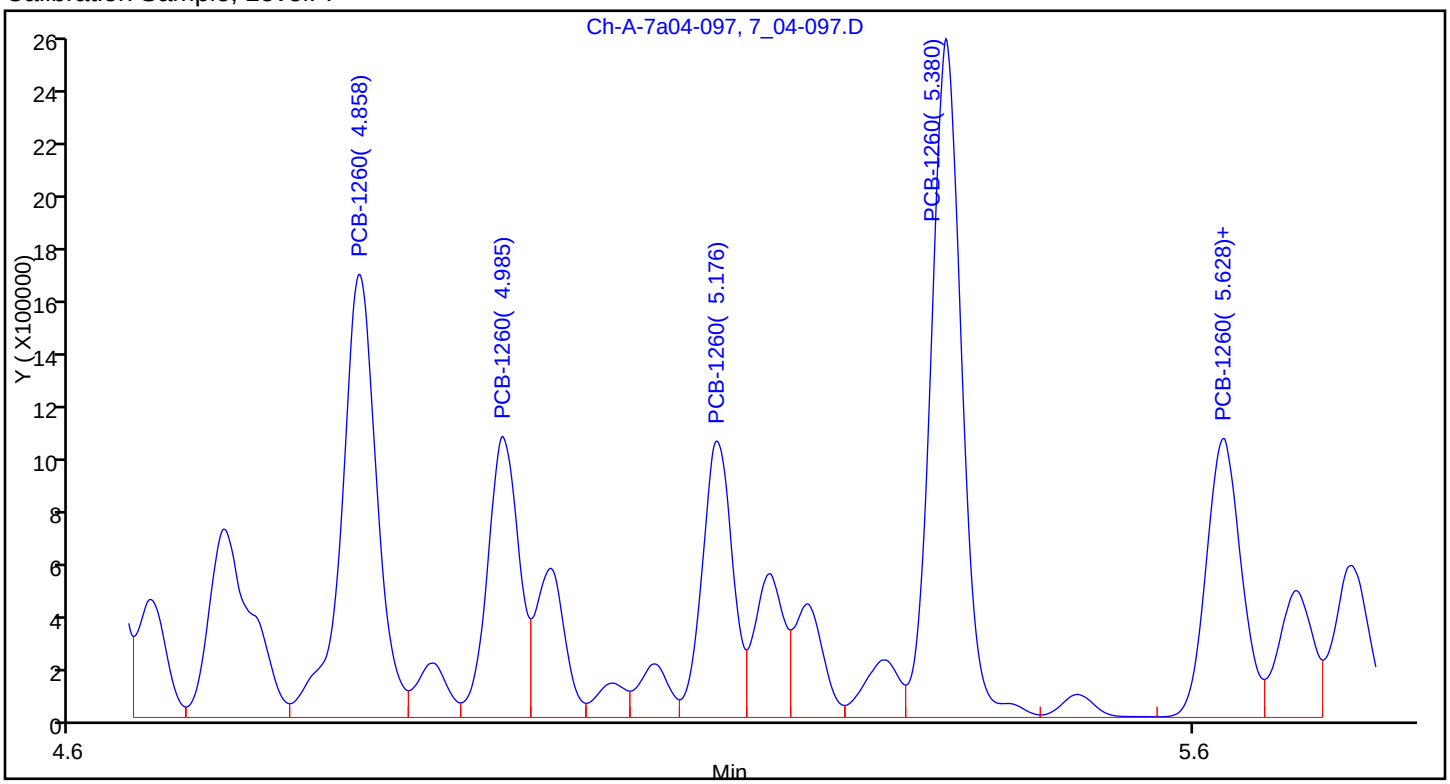
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

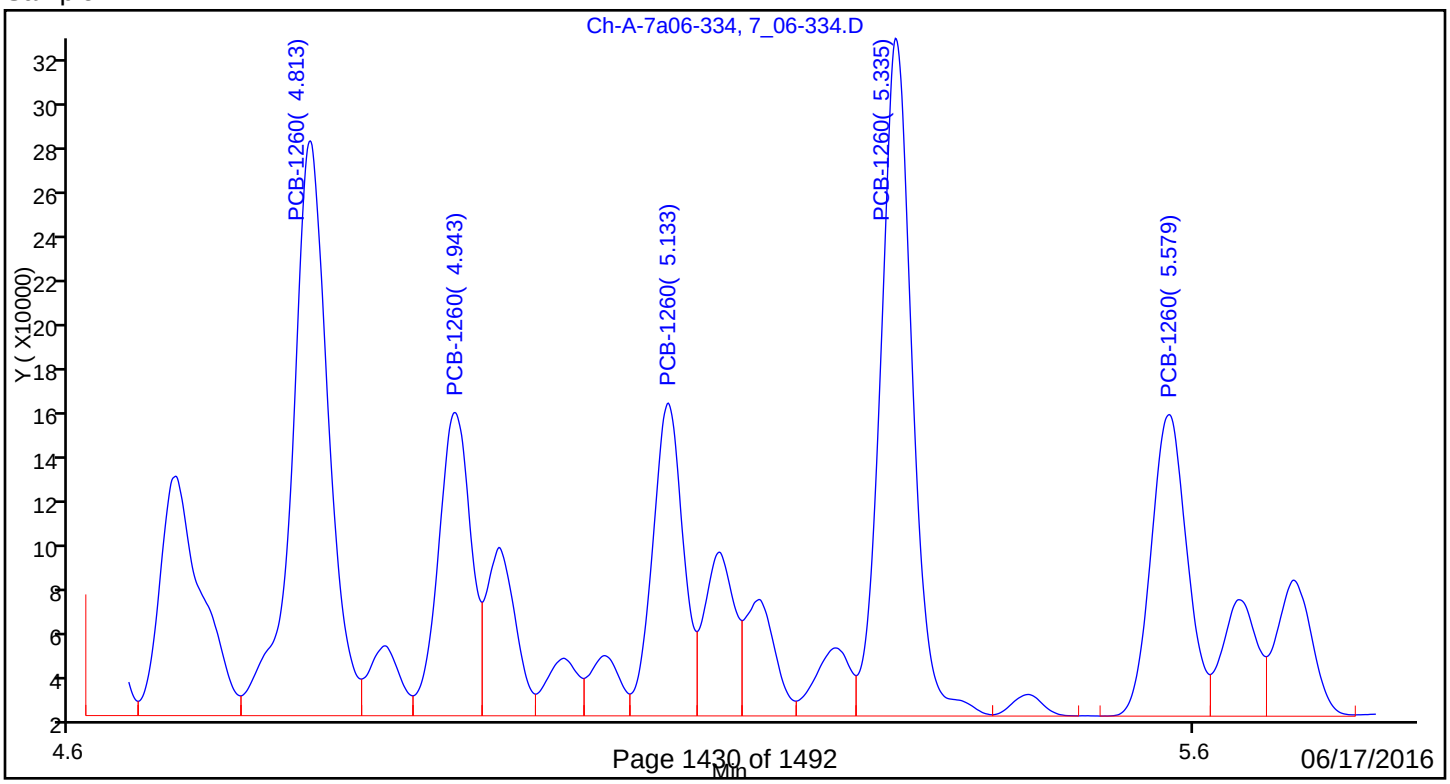
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-15 MS | Lab Sample ID: 480-101258-20 MS

Matrix: Solid | Lab File ID: 12_365m_335.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:40

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.43(g) | Date Analyzed: 06/08/2016 23:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.35		0.24	0.047
11104-28-2	PCB-1221	ND		0.24	0.047
11141-16-5	PCB-1232	ND		0.24	0.047
53469-21-9	PCB-1242	ND		0.24	0.047
12672-29-6	PCB-1248	ND		0.24	0.047
11097-69-1	PCB-1254	3.71		0.24	0.11
11096-82-5	PCB-1260	4.41		0.24	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	153		60-154
2051-24-3	DCB Decachlorobiphenyl	150		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D
Lims ID: 480-101258-A-20-A MS
Client ID: SS7-15
Sample Type: MS
Inject. Date: 08-Jun-2016 23:56:49 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:17:34 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:17:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.161	1.159	0.002	991035	0.5000	0.5000	M
2	1.608	1.606	0.002	827452	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.631	1.631	0.000	69468	0.0200	0.0306	
2	2.198	2.198	0.000	44438	0.0200	0.0316	
						RPD = 3.17	
9 PCB-1016							M
1	1.801	1.802	-0.001	49099	0.5000	0.7753	
1	2.131	2.131	0.000	50256	0.5000	0.7478	
1	2.280	2.280	0.000	121128	0.5000	0.6413	
1	2.347	2.347	0.000	51928	0.5000	0.6358	
1	2.390	2.391	-0.001	35663	0.5000	0.6709	M
		Average of Peak Amounts =				0.6942	
2	2.613	2.611	0.002	21611	0.5000	0.4886	
2	2.932	2.932	0.000	59884	0.5000	0.6849	M
2	3.145	3.145	0.000	33181	0.5000	0.6657	M
2	3.240	3.239	0.001	78653	0.5000	0.5345	M
2	3.363	3.362	0.001	32709	0.5000	0.5328	M
		Average of Peak Amounts =				0.5813	
						RPD = 17.70	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.081	3.091	-0.010	74143		0.5277	
1	3.344	3.355	-0.011	68445		0.3637	
1	3.520	3.535	-0.015	168518		0.8801	
1	3.715	3.733	-0.018	105398		0.8415	
1	3.894	3.908	-0.014	217572		1.23	
		Average of Peak Amounts =				0.7694	
2	4.148	4.151	-0.003	44199		0.4403	
2	4.462	4.466	-0.004	9069		0.1503	
2	4.559	4.554	0.005	67136		0.4496	
2	4.695	4.679	0.016	129901		0.7883	
2	5.121	5.128	-0.007	111921		1.02	
		Average of Peak Amounts =				0.5696	
						RPD = 29.85	
12 PCB-1260							
1	3.894	3.896	-0.002	217572	0.5000	1.22	
1	4.020	4.022	-0.002	81098	0.5000	0.8031	
1	4.197	4.199	-0.002	74252	0.5000	0.8298	
1	4.389	4.391	-0.002	225829	0.5000	0.8301	
1	4.614	4.615	-0.001	102579	0.5000	0.8814	
		Average of Peak Amounts =				0.9139	
2	5.121	5.123	-0.002	111921	0.5000	1.09	
2	5.445	5.443	0.002	72557	0.5000	0.9089	
2	5.509	5.509	0.000	58520	0.5000	0.8648	
2	5.572	5.572	0.000	183696	0.5000	0.8056	
2	5.947	5.949	-0.002	113865	0.5000	0.7522	
		Average of Peak Amounts =				0.8852	
						RPD = 3.18	
2 1260 Res 1							
1	4.614	4.615	-0.001	102579		NC	
2	5.445	5.443	0.002	72557		NC	
4 1260 Res 2							
1	4.677	4.678	-0.001	43919		NC	
2	5.509	5.509	-0.001	58520		NC	
3 1260 Res 3							
1	4.715	4.717	-0.002	73343		NC	
2	5.572	5.572	0.000	183696		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.577	5.577	0.000	101858	0.0200	0.0300	
2	7.235	7.235	0.000	86434	0.0200	0.0312	
						RPD = 3.95	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

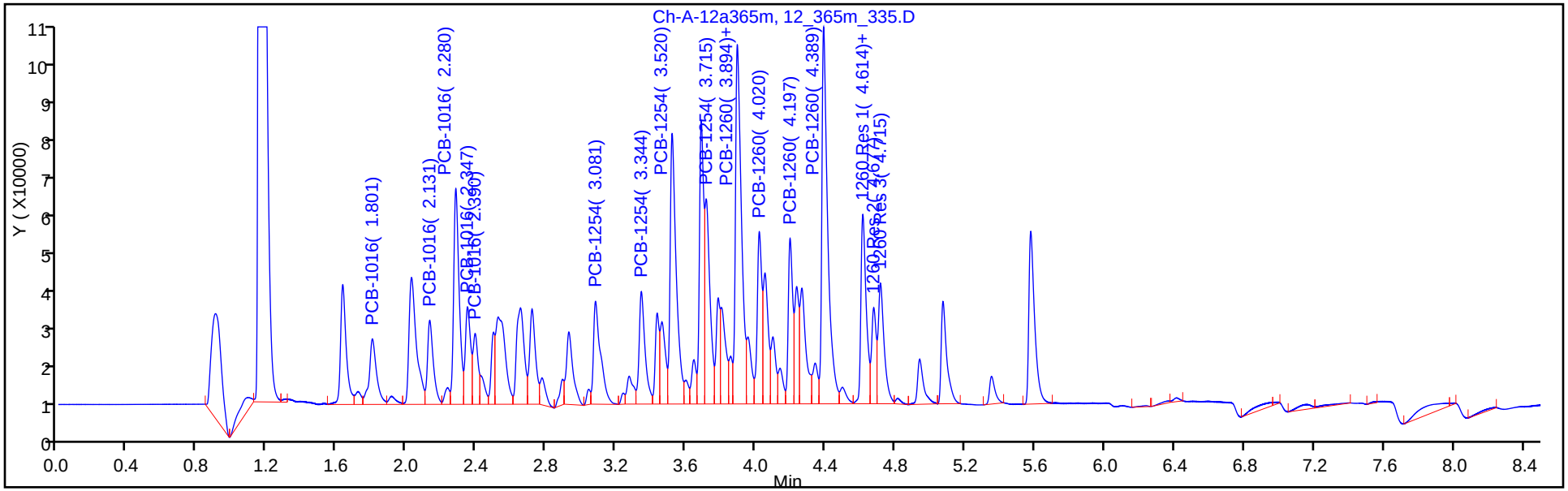
Report Date: 09-Jun-2016 02:17:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

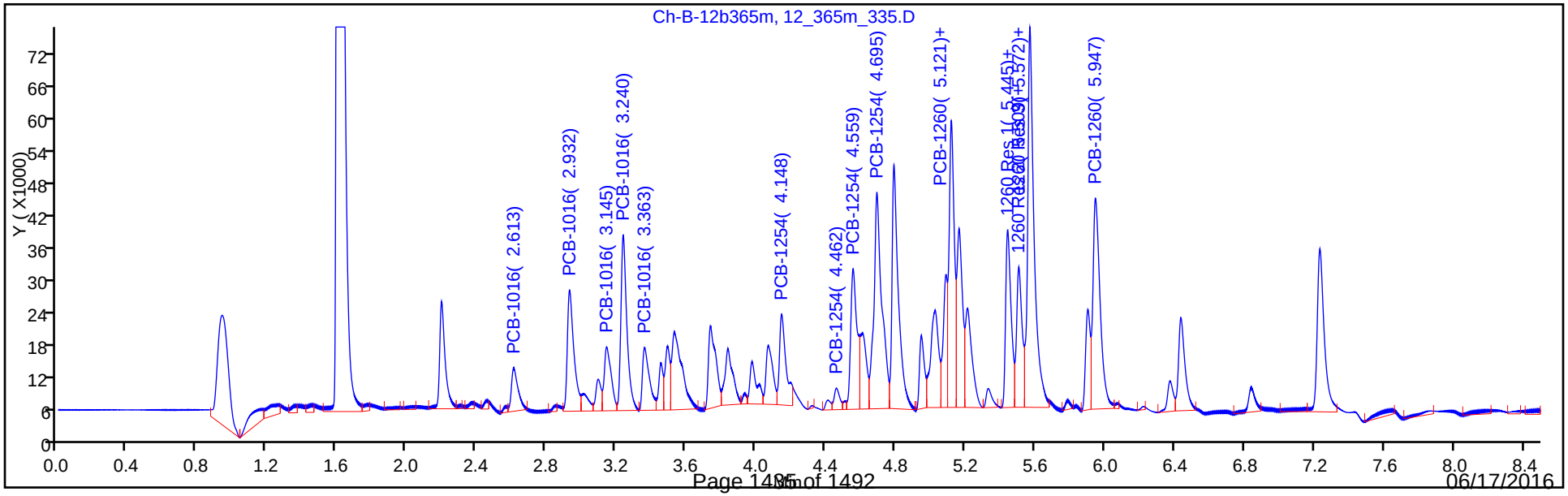
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D

Injection Date:	08-Jun-2016 23:56:49	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-20-A MS			Worklist Smp#:	29
Client ID:	SS7-15				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D				
Lims ID:	480-101258-A-20-A MS				
Client ID:	SS7-15				
Sample Type:	MS				
Inject. Date:	08-Jun-2016 23:56:49	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	09-Jun-2016 02:17:34	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK009				
First Level Reviewer: sobolk		Date:	09-Jun-2016 02:17:34		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0306	152.85
$ 15 DCB Decachlorobiphenyl	0.0200	0.0300	150.15

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0316	157.77
$ 15 DCB Decachlorobiphenyl	0.0200	0.0312	156.21

Report Date: 09-Jun-2016 02:17:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

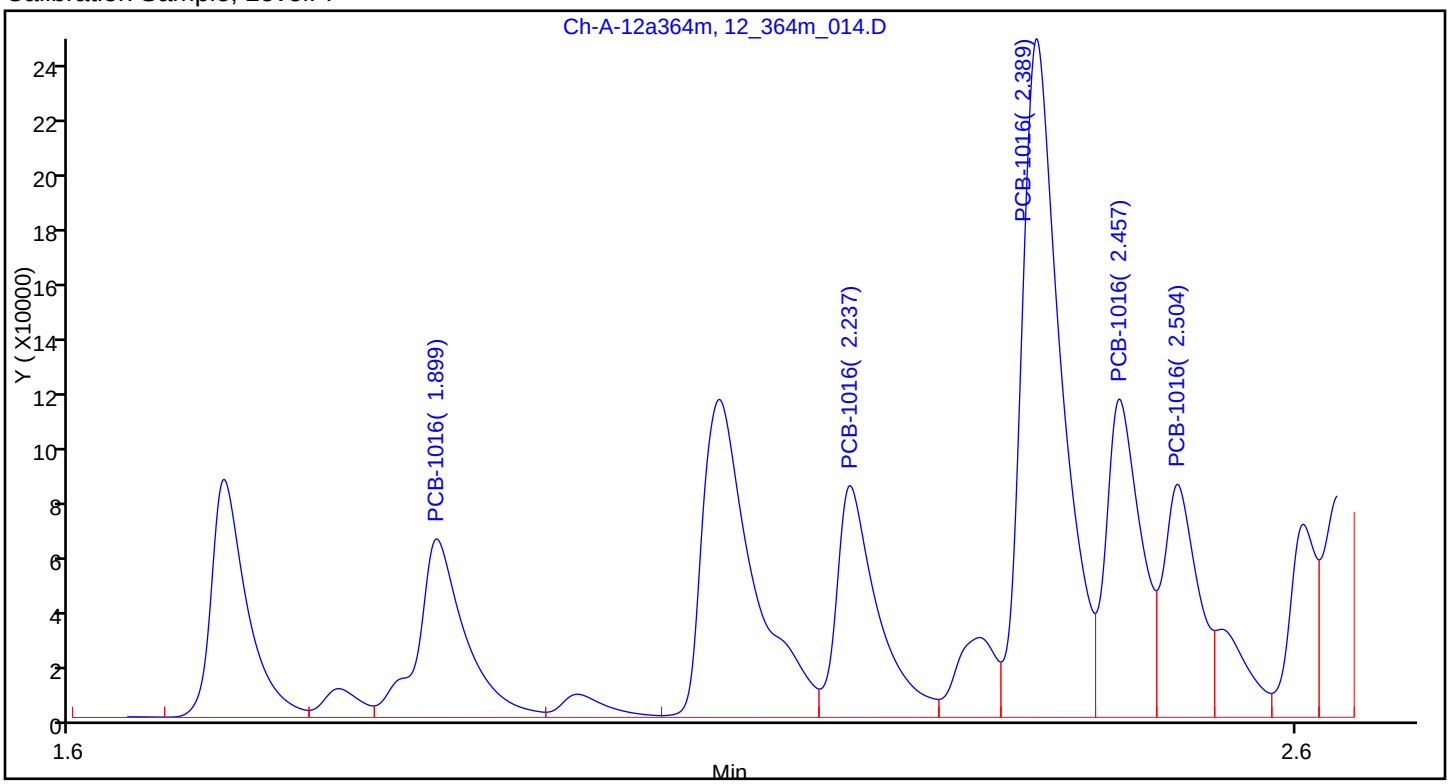
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D

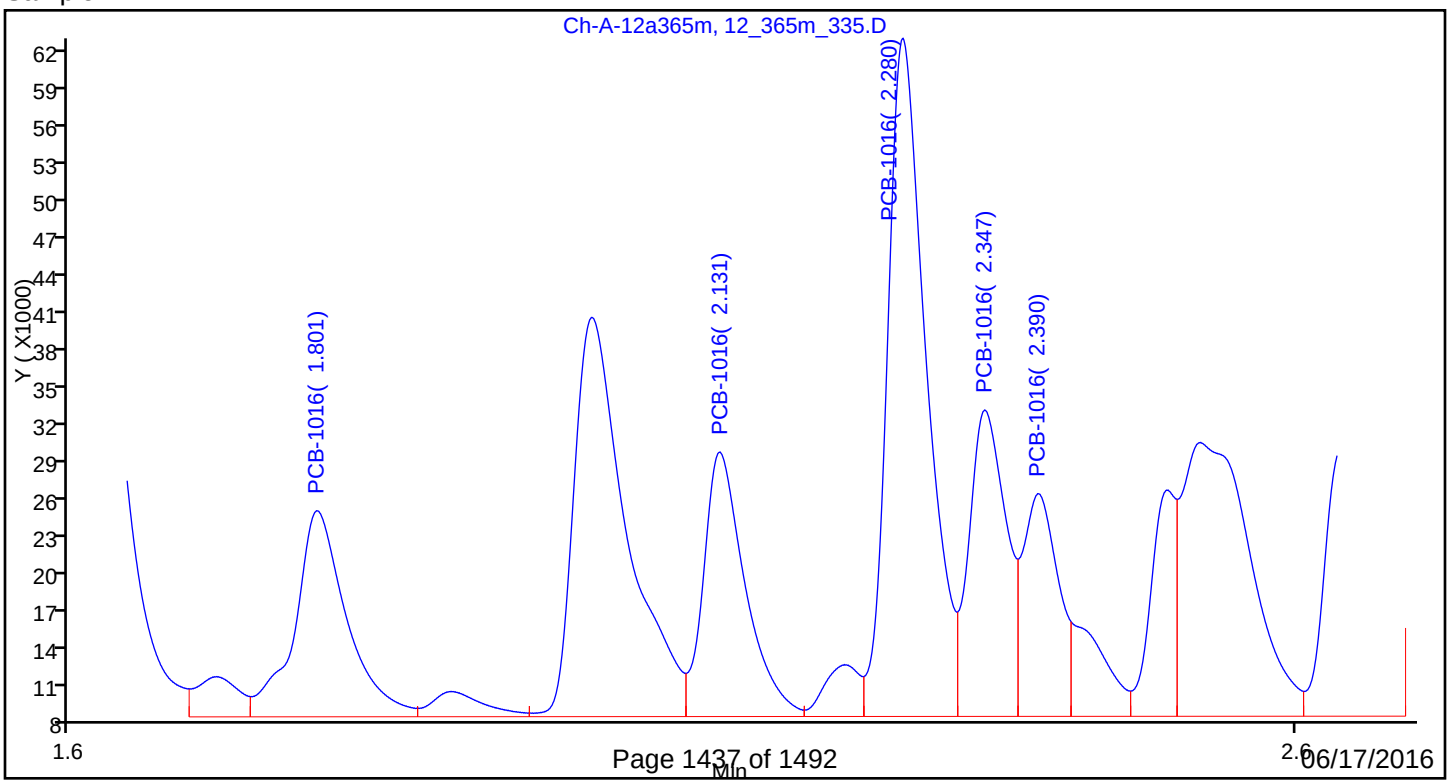
Injection Date:	08-Jun-2016 23:56:49	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-A MS				
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 02:17:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

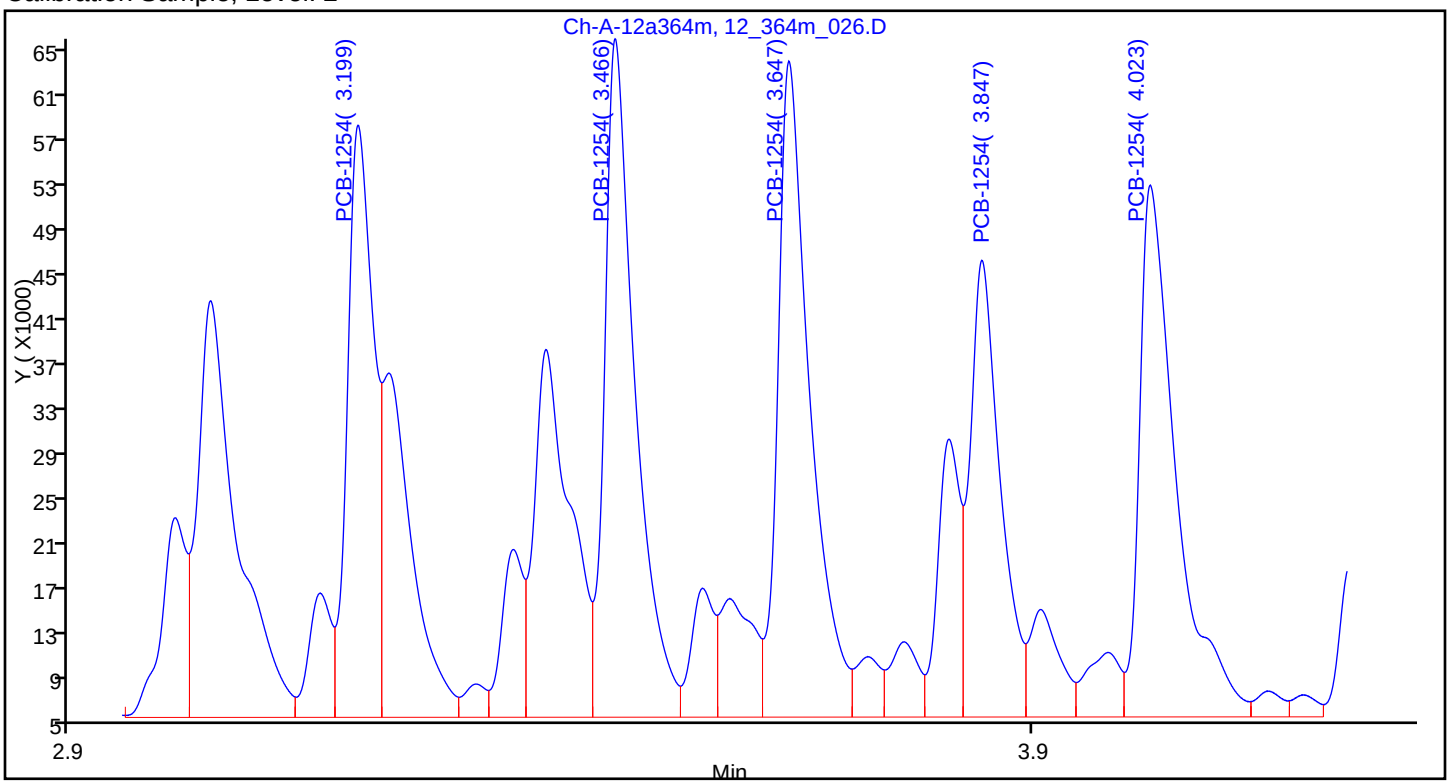
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D

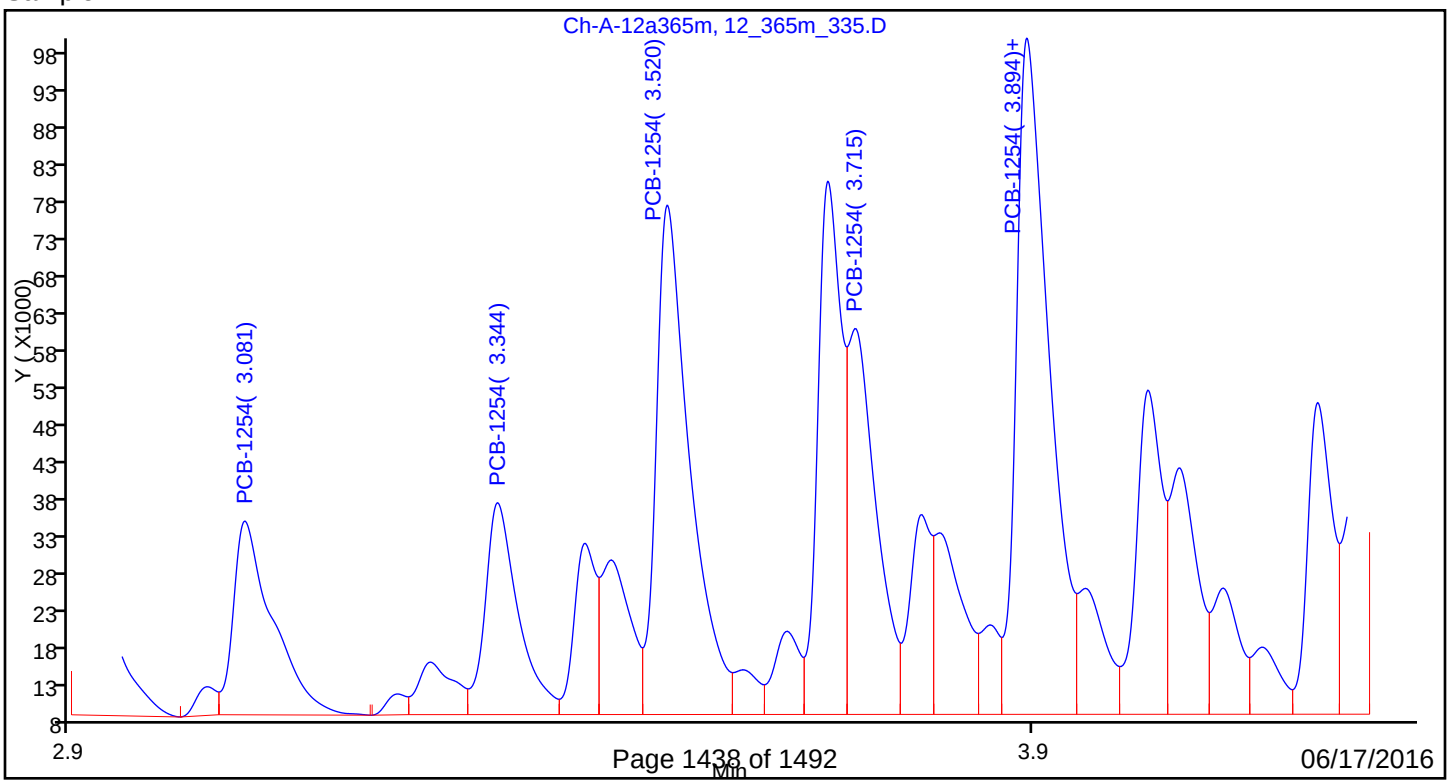
Injection Date:	08-Jun-2016 23:56:49	Instrument ID:	HP5890-12
Lims ID:	480-101258-A-20-A MS		
Client ID:	SS7-15		
Operator ID:	BufTCHROM	ALS Bottle#:	0 Worklist Smp#: 29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL
Column:		Detector	Ch-A-7A136

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



Report Date: 09-Jun-2016 02:17:36 Chrom Revision: 2.2 20-Apr-2016 13:59:46

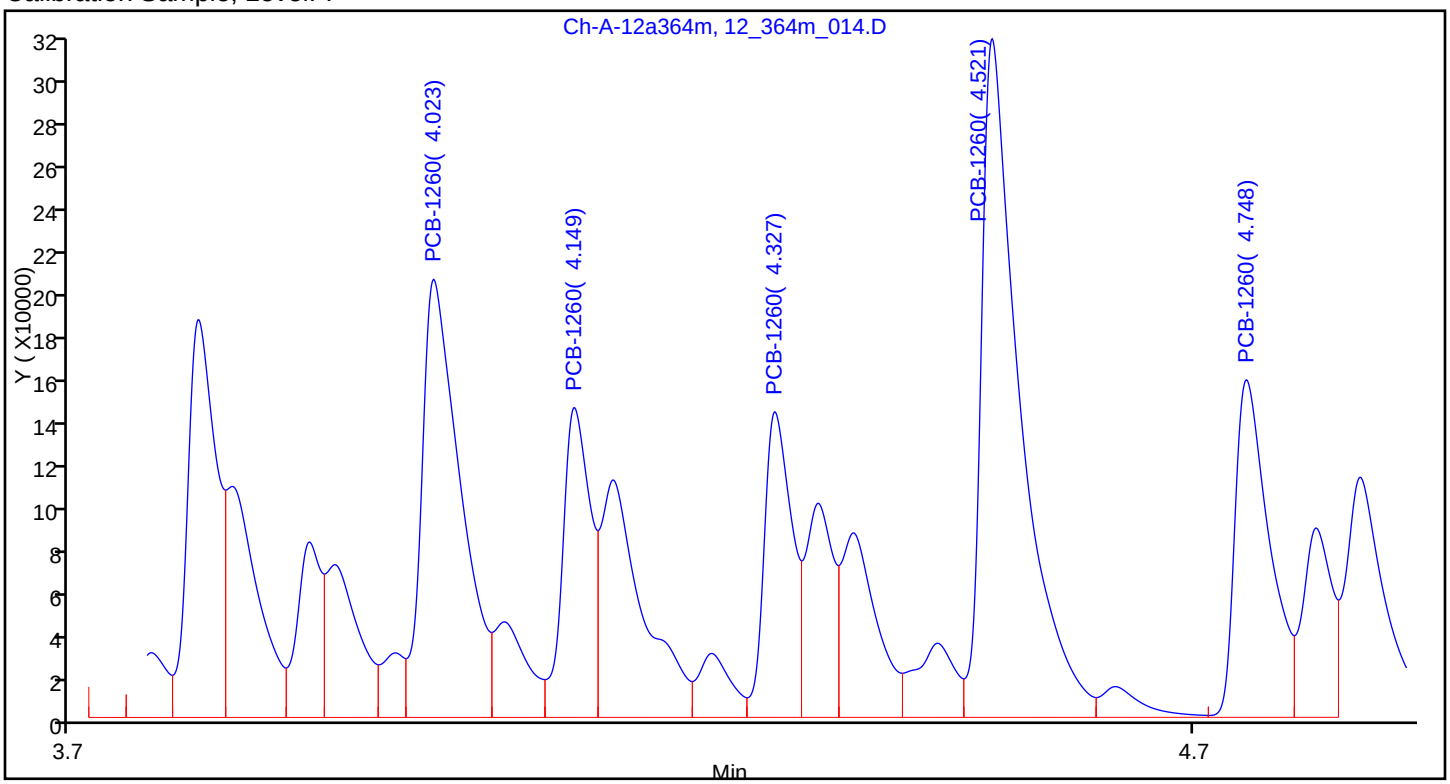
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D

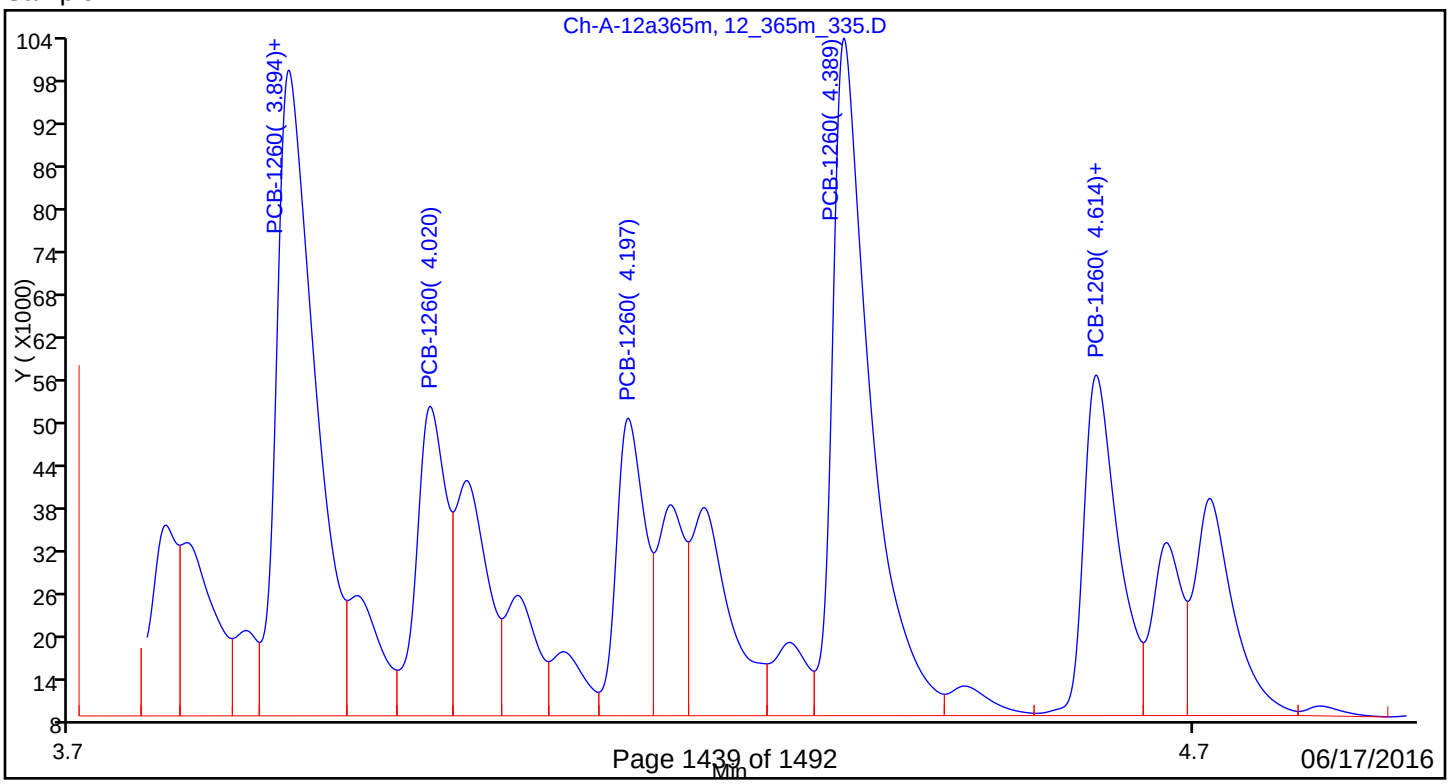
Injection Date:	08-Jun-2016 23:56:49	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-A MS				
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



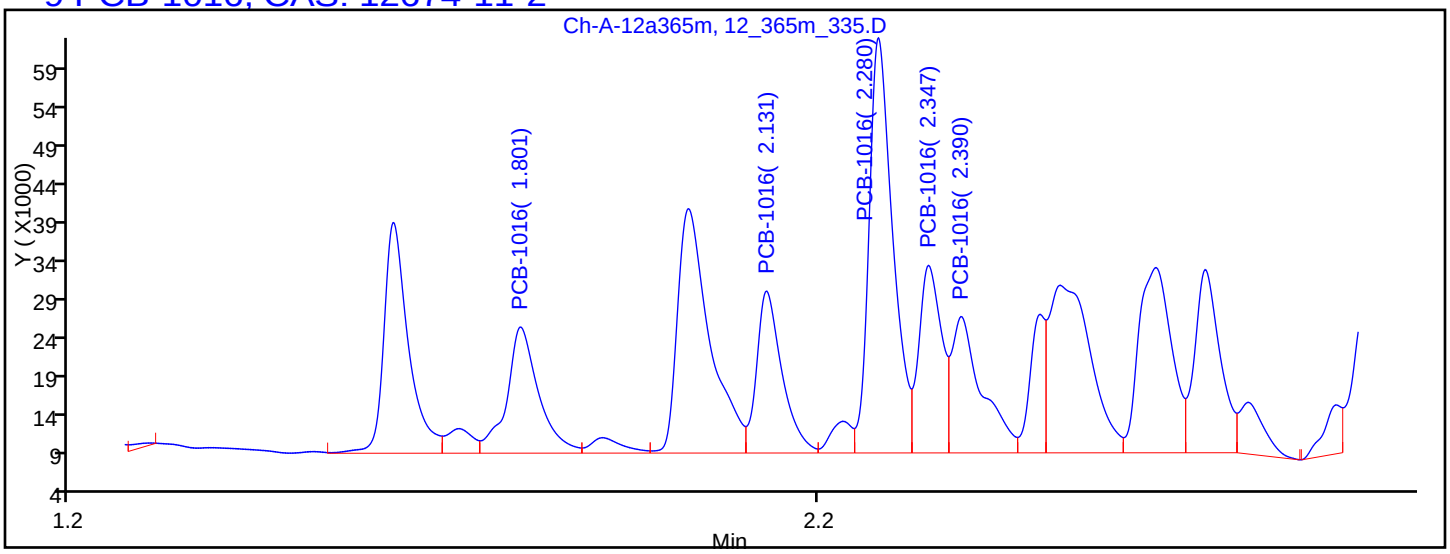
Report Date: 09-Jun-2016 02:17:35 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D

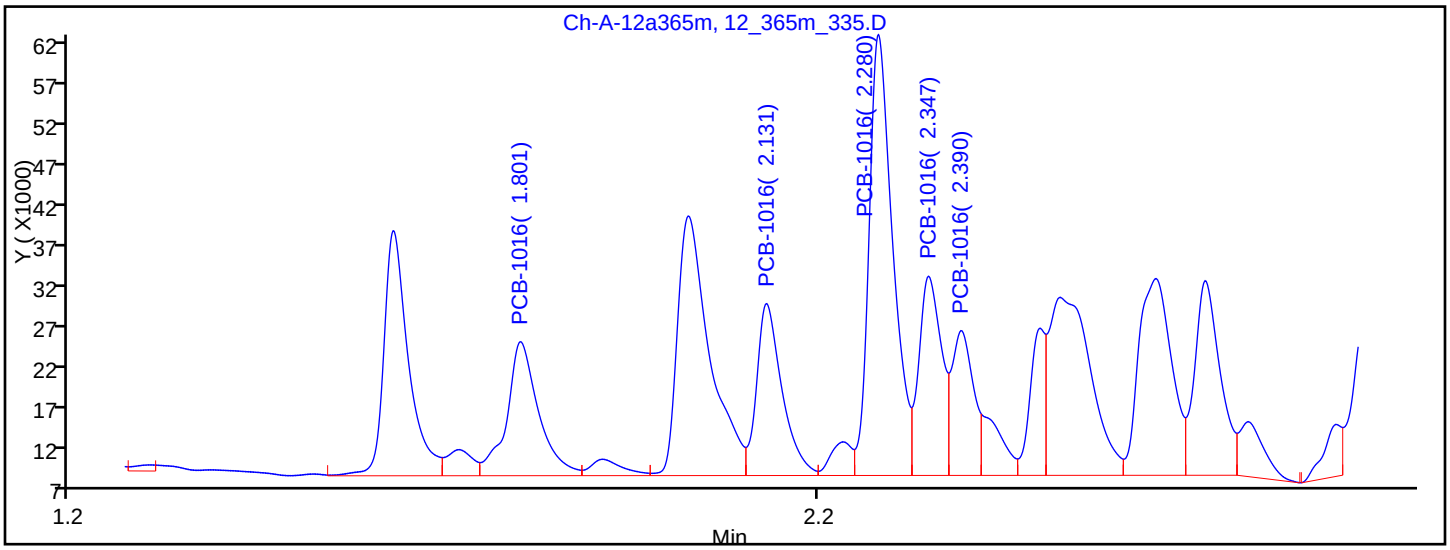
Injection Date:	08-Jun-2016 23:56:49	Instrument ID:	HP5890-12
Lims ID:	480-101258-A-20-A MS		
Client ID:	SS7-15		
Operator ID:	BufTCHROM	ALS Bottle#:	0 Worklist Smp#: 29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL
Column:		Detector	Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.801 Response = 49099
RT = 2.131 Response = 50256
RT = 2.280 Response = 121128
RT = 2.347 Response = 51928
RT = 2.390 Response = 50212 M



Manual Integration Results

RT = 1.801 Response = 49099
RT = 2.131 Response = 50256
RT = 2.280 Response = 121128
RT = 2.347 Response = 51928
RT = 2.390 Response = 35663 M

Reviewer: sobolk, 09-Jun-2016 02:17:34

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

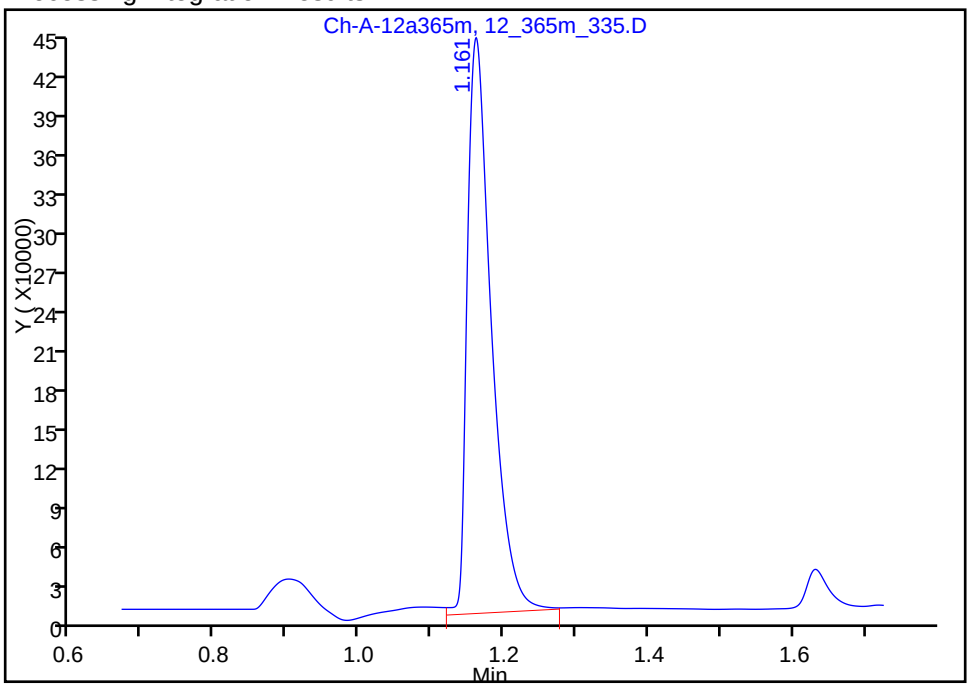
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_335.D
Injection Date: 08-Jun-2016 23:56:49 Instrument ID: HP5890-12
Lims ID: 480-101258-A-20-A MS
Client ID: SS7-15
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

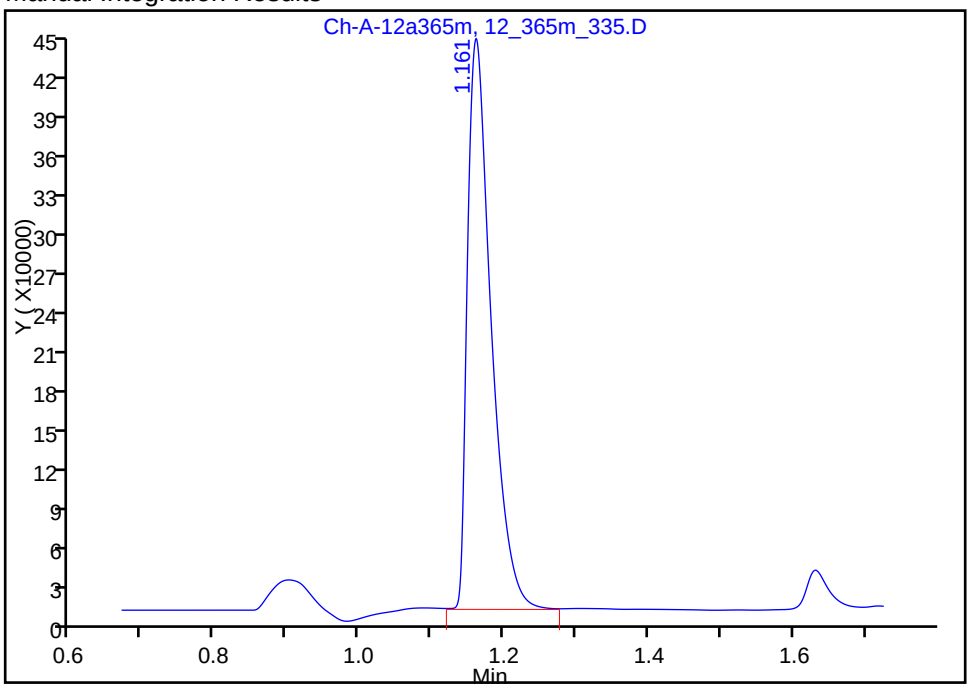
Processing Integration Results

RT: 1.16
Area: 1016274
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 991035
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 09-Jun-2016 02:17:34
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS-RINSEBLANK2 MS | Lab Sample ID: 480-101258-22 MS

Matrix: Water | Lab File ID: 7_06-335.D

Analysis Method: 8082A | Date Collected: 06/07/2016 09:25

Extraction Method: 3510C | Date Extracted: 06/08/2016 15:12

Sample wt/vol: 250(mL) | Date Analyzed: 06/09/2016 03:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.86		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	3.40		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		24-137
2051-24-3	DCB Decachlorobiphenyl	49		19-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-335.D
Lims ID: 480-101258-B-22-A MS
Client ID:
Sample Type: MS
Inject. Date: 09-Jun-2016 03:10:13 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 11:32:22 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 11:32:22

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.110	1.109	0.001	11288999	0.5000	0.5000	
2	1.042	1.040	0.002	19477250	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	2.018	2.020	-0.002	587689	0.0200	0.0182	
2	1.635	1.638	-0.003	697104	0.0200	0.0146	
						RPD = 21.91	
9 PCB-1016							
1	2.598	2.602	-0.004	480691	0.5000	0.4699	
1	2.748	2.751	-0.003	294840	0.5000	0.4690	
1	2.952	2.954	-0.002	1010692	0.5000	0.4899	
1	3.037	3.038	-0.001	397617	0.5000	0.4867	
1	3.098	3.099	-0.001	272830	0.5000	0.4979	
		Average of Peak Amounts =				0.4827	
2	2.343	2.343	0.000	818675	0.5000	0.4596	
2	2.653	2.653	-0.001	1738444	0.5000	0.4438	
2	2.766	2.766	0.000	641341	0.5000	0.4387	
2	2.858	2.860	-0.002	347382	0.5000	0.4187	
2	3.136	3.137	-0.001	838227	0.5000	0.4515	
		Average of Peak Amounts =				0.4425	
						RPD = 8.69	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.813	4.813	-0.001	802918	0.5000	0.4871	
1	4.941	4.942	-0.001	385324	0.5000	0.4071	
1	5.130	5.133	-0.002	373694	0.5000	0.4182	
1	5.334	5.337	-0.003	864446	0.5000	0.4038	
1	5.578	5.578	0.000	428723	0.5000	0.4060	
		Average of Peak Amounts =				0.4244	
2	4.500	4.501	-0.001	1078387	0.5000	0.5143	
2	4.550	4.549	0.001	842613	0.5000	0.4500	
2	4.810	4.811	-0.001	713515	0.5000	0.3807	
2	4.947	4.948	-0.001	1922858	0.5000	0.4297	
2	5.282	5.282	0.000	976472	0.5000	0.3721	
		Average of Peak Amounts =				0.4294	
						RPD = 1.16	
2 1260 Res 1							
1	5.641	5.643	-0.002	160775		NC	
2	4.878	4.878	0.001	658268		NC	
4 1260 Res 2							
1	5.689	5.691	-0.002	194412		NC	
2	5.056	5.061	-0.005	12617		NC	
3 1260 Res 3							
1	5.809	5.808	0.001	19400		NC	
2	4.999	5.000	-0.001	58440		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.963	6.965	-0.003	173030	0.0200	0.009723	
2	6.340	6.339	0.001	370599	0.0200	0.0105	
						RPD = 7.91	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

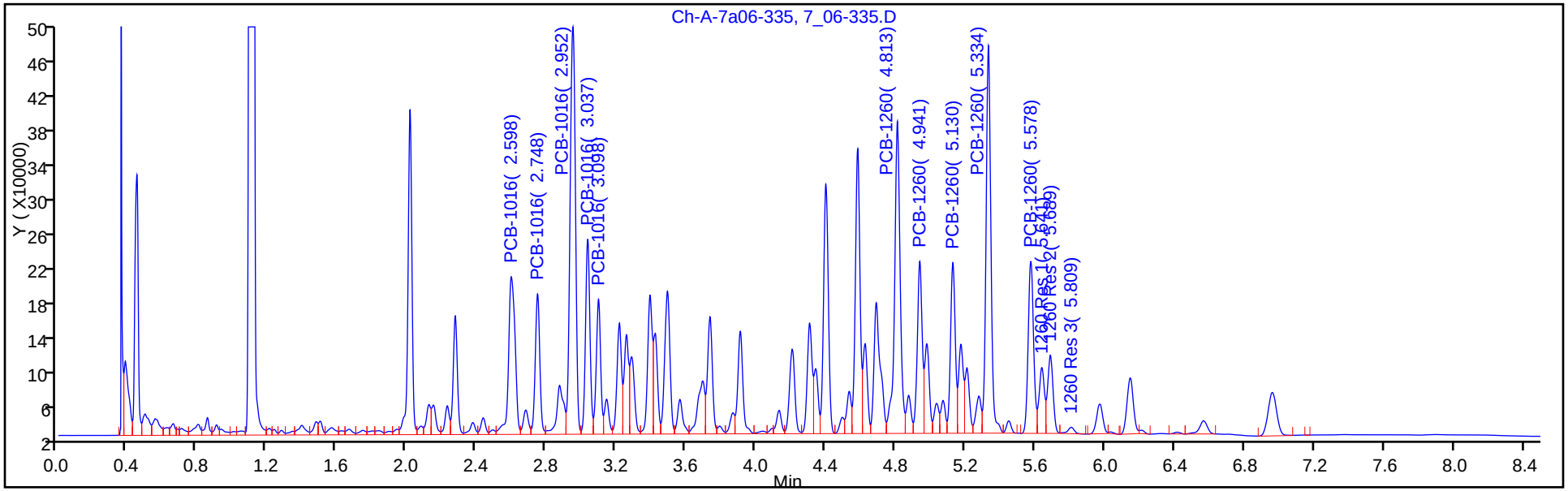
Report Date: 09-Jun-2016 11:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

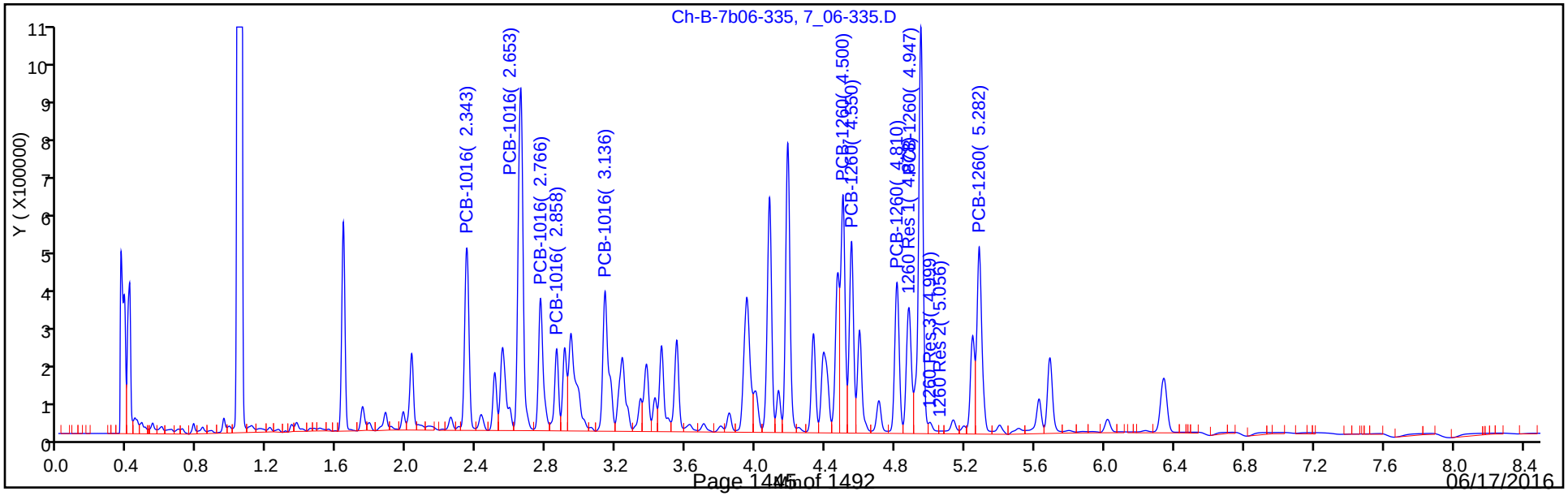
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-335.D

Injection Date:	09-Jun-2016 03:10:13	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-B-22-A MS			Worklist Smp#:	38
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-335.D
Lims ID: 480-101258-B-22-A MS
Client ID:
Sample Type: MS
Inject. Date: 09-Jun-2016 03:10:13 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 11:32:22 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 11:32:22

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0182	91.01
$ 15 DCB Decachlorobiphenyl	0.0200	0.009723	48.62

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0146	73.04
$ 15 DCB Decachlorobiphenyl	0.0200	0.0105	52.62

Report Date: 09-Jun-2016 11:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

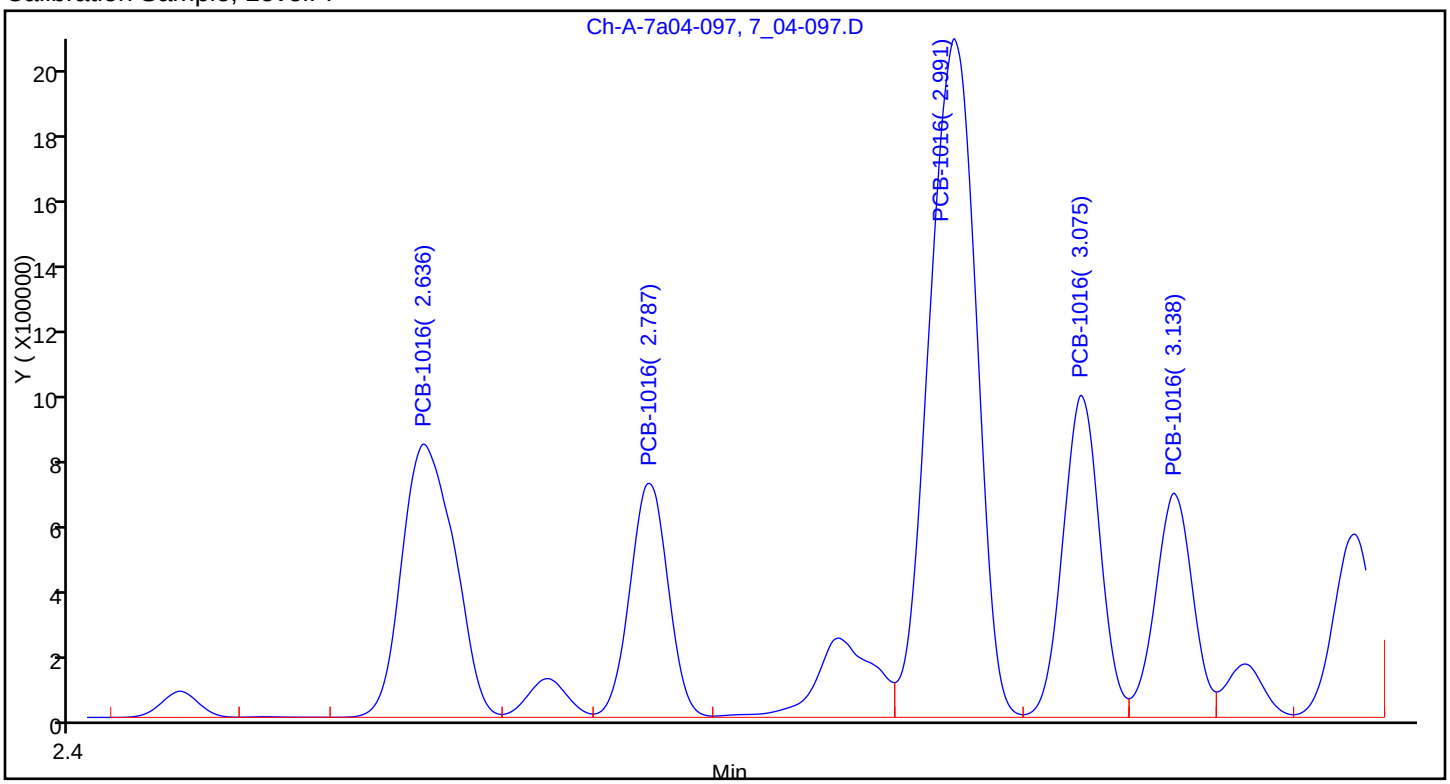
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-335.D

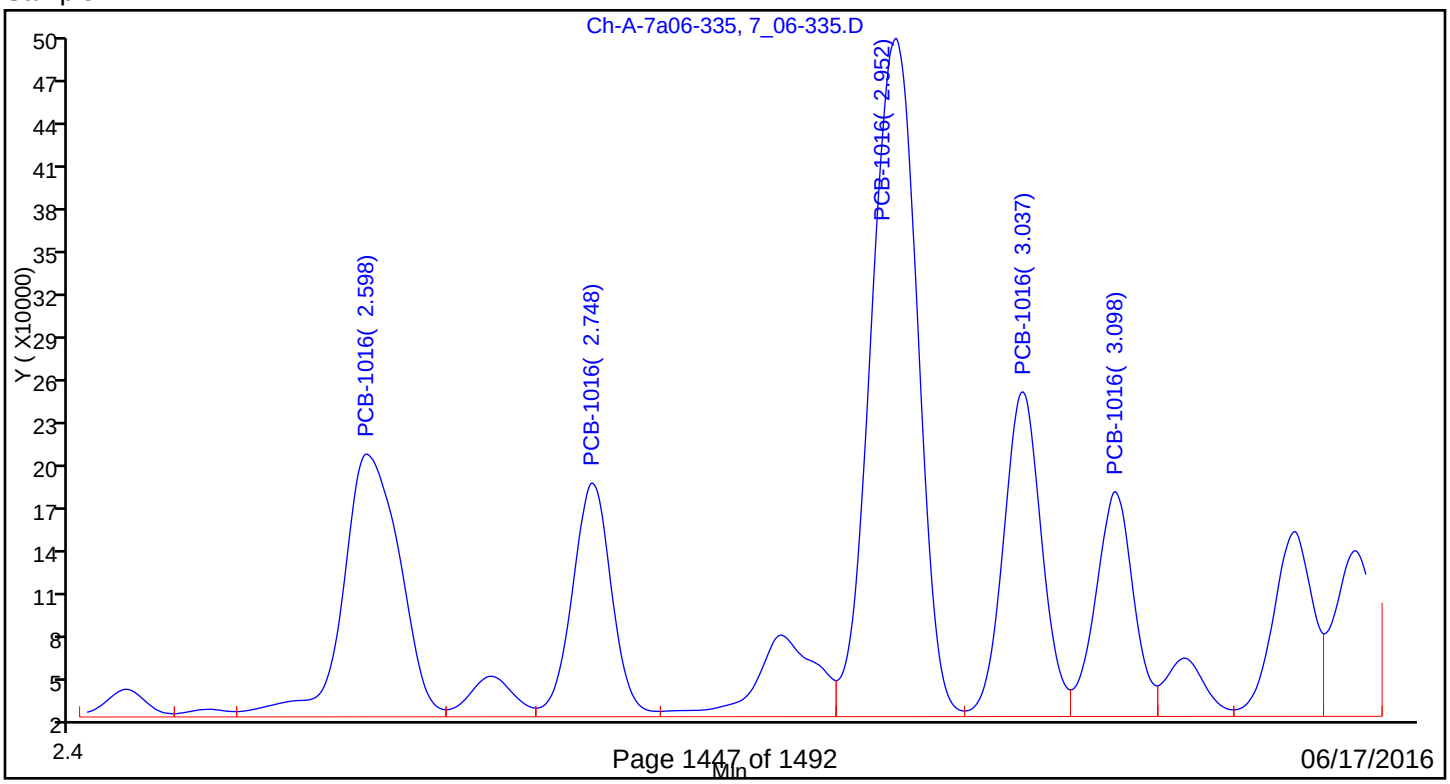
Injection Date:	09-Jun-2016 03:10:13	Instrument ID:	HP6890-7		
Lims ID:	480-101258-B-22-A MS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 11:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-335.D

Injection Date: 09-Jun-2016 03:10:13 Instrument ID: HP6890-7

Lims ID: 480-101258-B-22-A MS

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 38

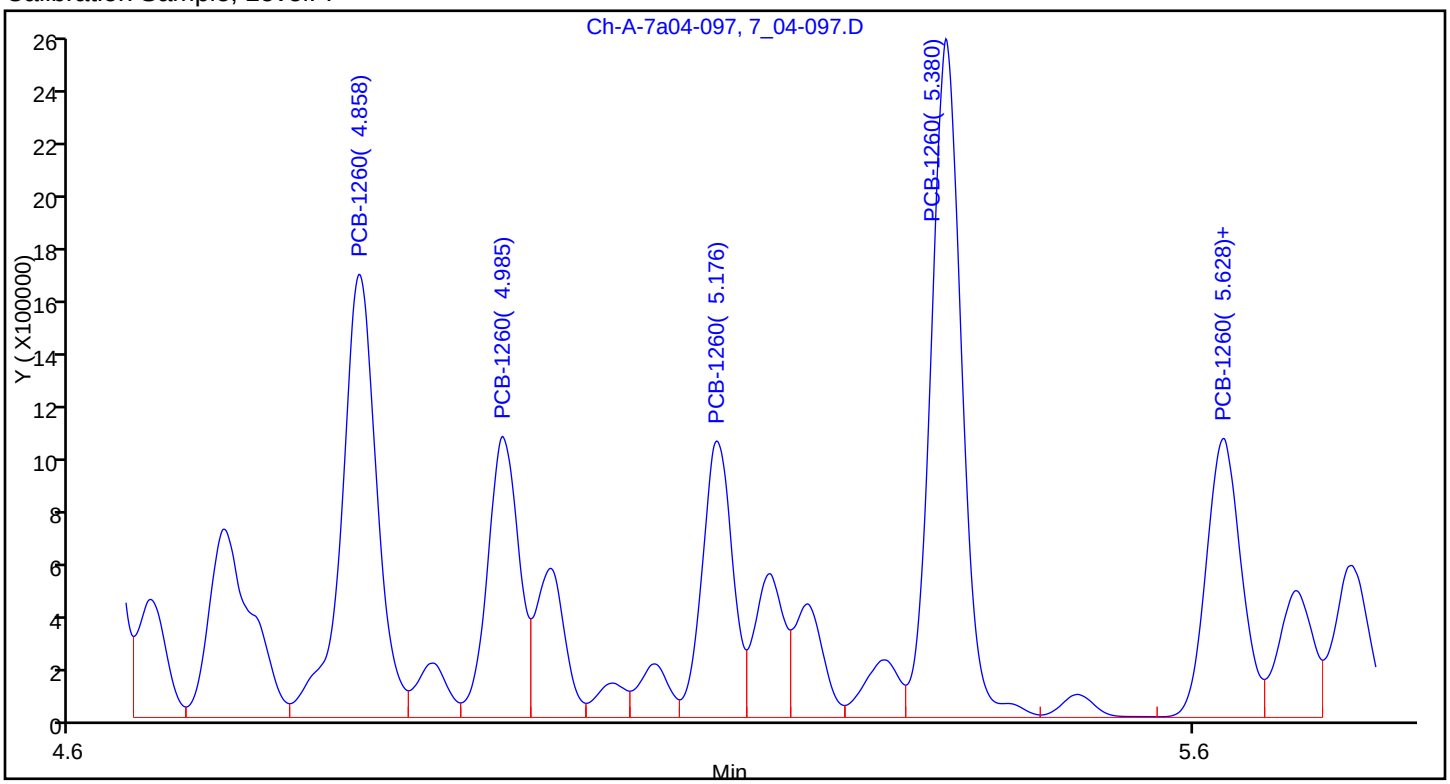
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

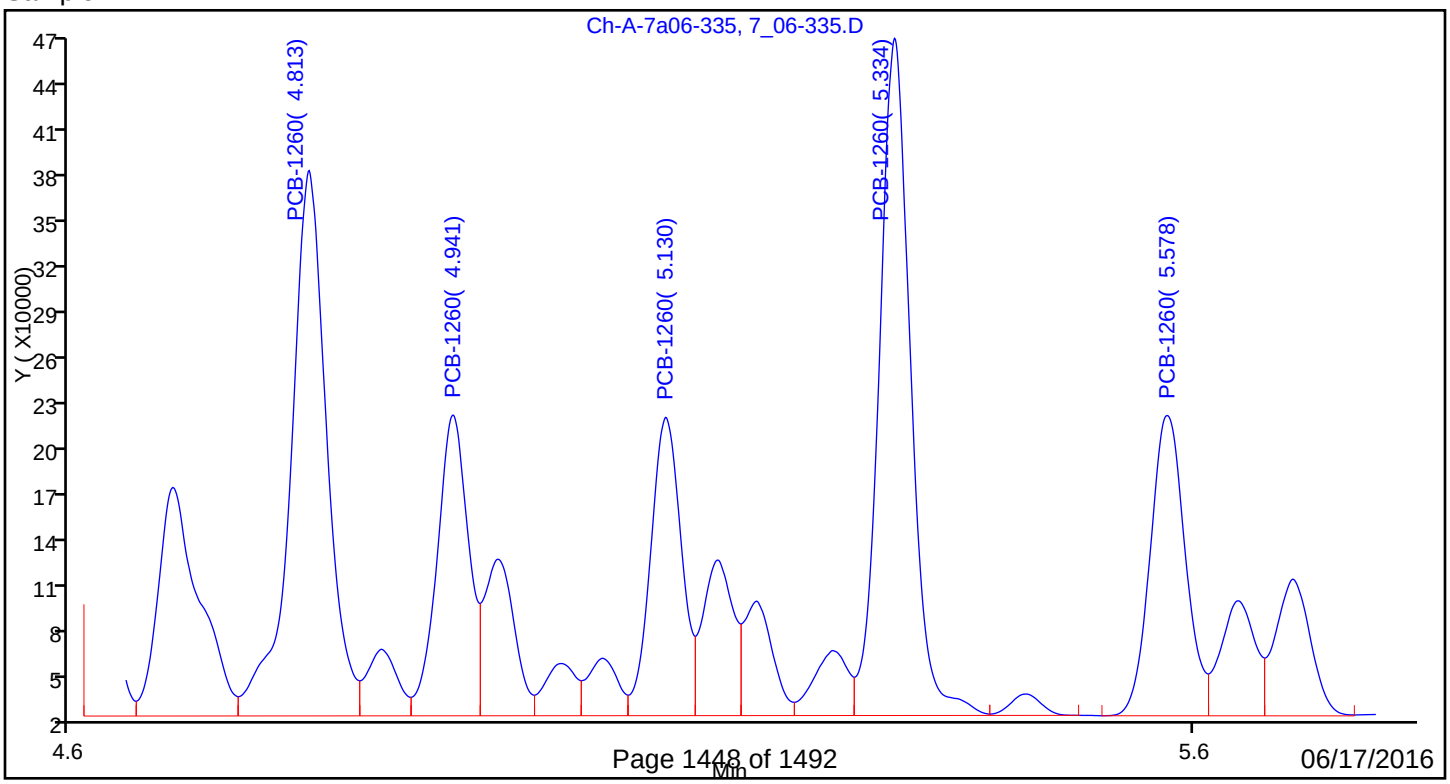
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS7-15 MSD | Lab Sample ID: 480-101258-20 MSD

Matrix: Solid | Lab File ID: 12_365m_336.D

Analysis Method: 8082A | Date Collected: 06/07/2016 08:40

Extraction Method: 3550C | Date Extracted: 06/08/2016 10:13

Sample wt/vol: 2.35(g) | Date Analyzed: 06/09/2016 00:12

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305722 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.84		0.25	0.049
11104-28-2	PCB-1221	ND		0.25	0.049
11141-16-5	PCB-1232	ND		0.25	0.049
53469-21-9	PCB-1242	ND		0.25	0.049
12672-29-6	PCB-1248	ND		0.25	0.049
11097-69-1	PCB-1254	3.19		0.25	0.12
11096-82-5	PCB-1260	3.95		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	141		60-154
2051-24-3	DCB Decachlorobiphenyl	137		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_336.D
Lims ID: 480-101258-A-20-B MSD
Client ID: SS7-15
Sample Type: MSD
Inject. Date: 09-Jun-2016 00:12:13 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:16:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:16:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.160	1.159	0.001	1052607	0.5000	0.5000	
2	1.607	1.606	0.001	852487	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.631	1.631	0.000	67972	0.0200	0.0282	
2	2.198	2.198	0.000	43307	0.0200	0.0298	
						RPD = 5.81	
9 PCB-1016							M
1	1.801	1.802	-0.001	45383	0.5000	0.6747	
1	2.130	2.131	-0.001	46239	0.5000	0.6478	
1	2.280	2.280	0.000	101028	0.5000	0.5036	
1	2.347	2.347	0.000	43329	0.5000	0.4994	
1	2.391	2.391	0.000	29556	0.5000	0.5235	M
		Average of Peak Amounts =				0.5698	
2	2.613	2.611	0.002	17193	0.5000	0.3773	
2	2.932	2.932	0.000	54518	0.5000	0.6053	M
2	3.145	3.145	0.000	31422	0.5000	0.6119	M
2	3.240	3.239	0.001	66486	0.5000	0.4385	
2	3.363	3.362	0.001	26109	0.5000	0.4128	
		Average of Peak Amounts =				0.4892	
						RPD = 15.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.081	3.091	-0.010	60651		0.4064	
1	3.344	3.355	-0.011	58910		0.2947	
1	3.521	3.535	-0.014	149665		0.7360	
1	3.715	3.733	-0.018	94242		0.7085	
1	3.894	3.908	-0.014	196539		1.05	
		Average of Peak Amounts =				0.6390	
2	4.149	4.151	-0.002	40442		0.3911	
2	4.463	4.466	-0.003	8518		0.1370	
2	4.559	4.554	0.005	56830		0.3694	
2	4.695	4.679	0.016	119340		0.7030	
2	5.121	5.128	-0.007	101191		0.8946	
		Average of Peak Amounts =				0.4990	
						RPD = 24.61	
12 PCB-1260							
1	3.894	3.896	-0.002	196539	0.5000	1.04	
1	4.020	4.022	-0.002	74954	0.5000	0.6989	
1	4.197	4.199	-0.002	68311	0.5000	0.7187	
1	4.389	4.391	-0.002	209269	0.5000	0.7243	
1	4.613	4.615	-0.002	96604	0.5000	0.7815	
		Average of Peak Amounts =				0.7930	
2	5.121	5.123	-0.002	101191	0.5000	0.9607	
2	5.445	5.443	0.002	67089	0.5000	0.8157	
2	5.509	5.509	0.000	52806	0.5000	0.7574	
2	5.573	5.572	0.001	169611	0.5000	0.7220	
2	5.949	5.949	0.000	105144	0.5000	0.6742	
		Average of Peak Amounts =				0.7860	
						RPD = 0.89	
2 1260 Res 1							
1	4.613	4.615	-0.002	96604		NC	
2	5.445	5.443	0.002	67089		NC	
4 1260 Res 2							
1	4.677	4.678	-0.001	41683		NC	
2	5.509	5.509	-0.001	52806		NC	
3 1260 Res 3							
1	4.715	4.717	-0.001	68894		NC	
2	5.573	5.572	0.001	169611		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.577	5.577	0.000	98828	0.0200	0.0274	
2	7.237	7.235	0.002	83174	0.0200	0.0292	
						RPD = 6.17	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

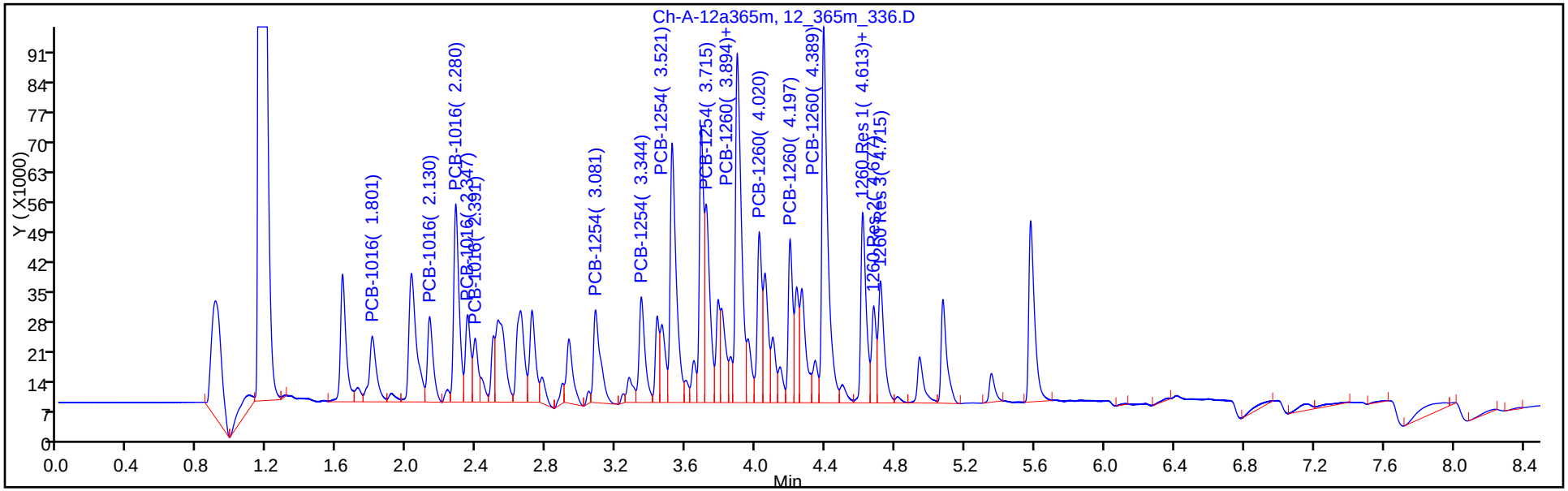
Report Date: 09-Jun-2016 02:16:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

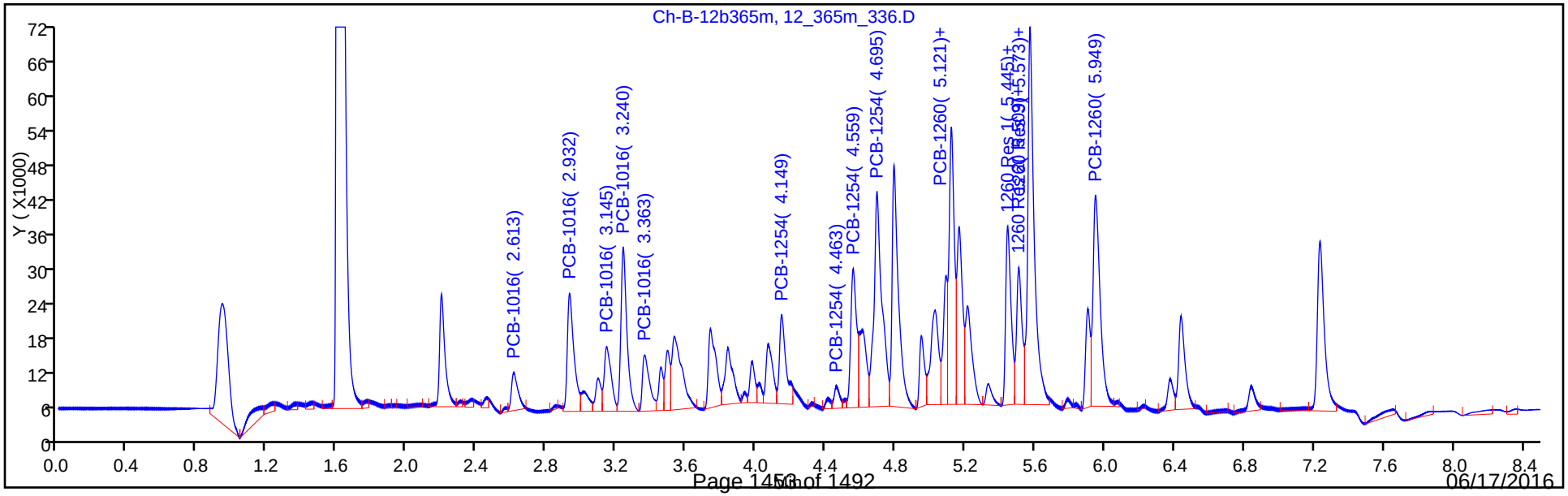
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_336.D

Injection Date:	09-Jun-2016 00:12:13	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-101258-A-20-B MSD			Worklist Smp#:	30
Client ID:	SS7-15				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_336.D
Lims ID: 480-101258-A-20-B MSD
Client ID: SS7-15
Sample Type: MSD
Inject. Date: 09-Jun-2016 00:12:13 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 02:16:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK009

First Level Reviewer: sobolk Date: 09-Jun-2016 02:16:44

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0282	140.81
$ 15 DCB Decachlorobiphenyl	0.0200	0.0274	137.17

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0298	149.24
$ 15 DCB Decachlorobiphenyl	0.0200	0.0292	145.90

Report Date: 09-Jun-2016 02:16:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

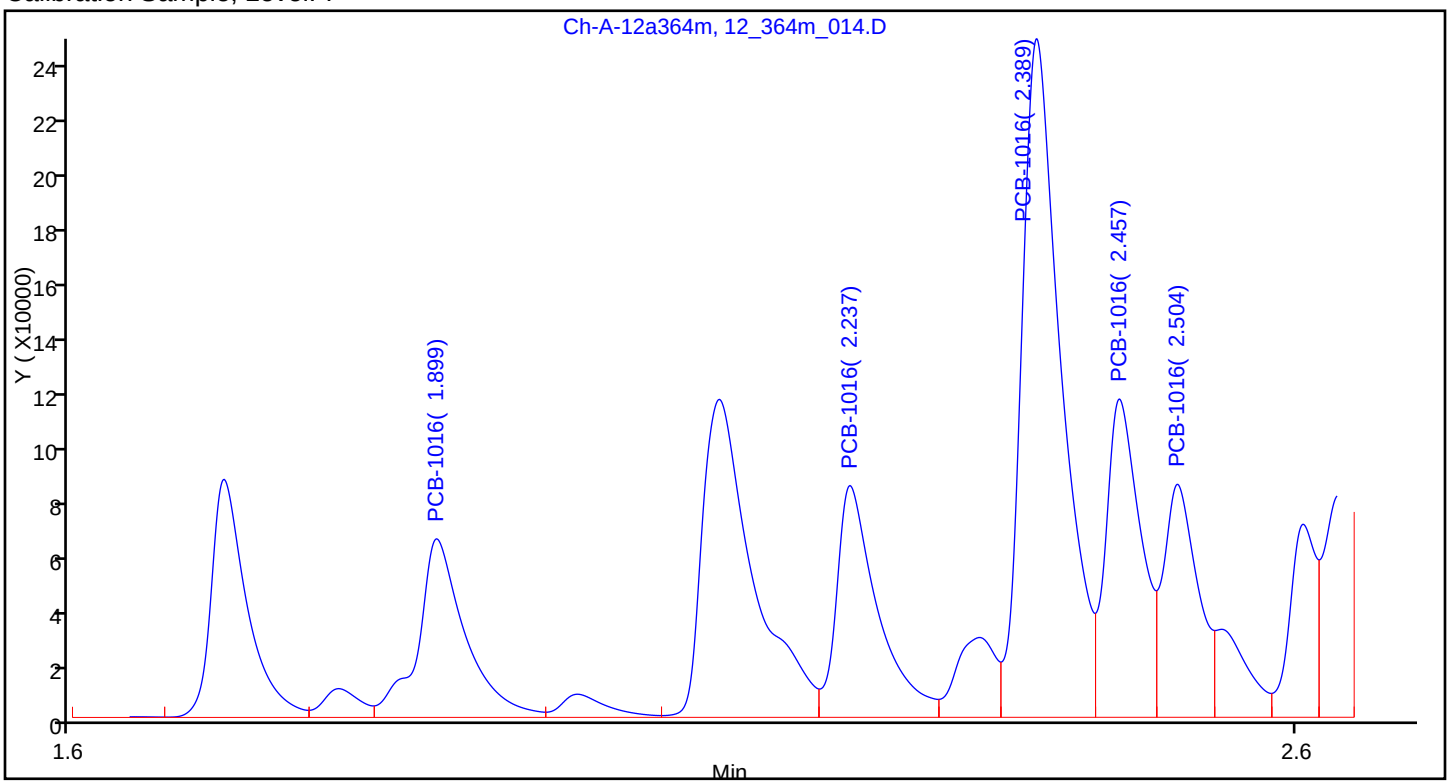
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_336.D

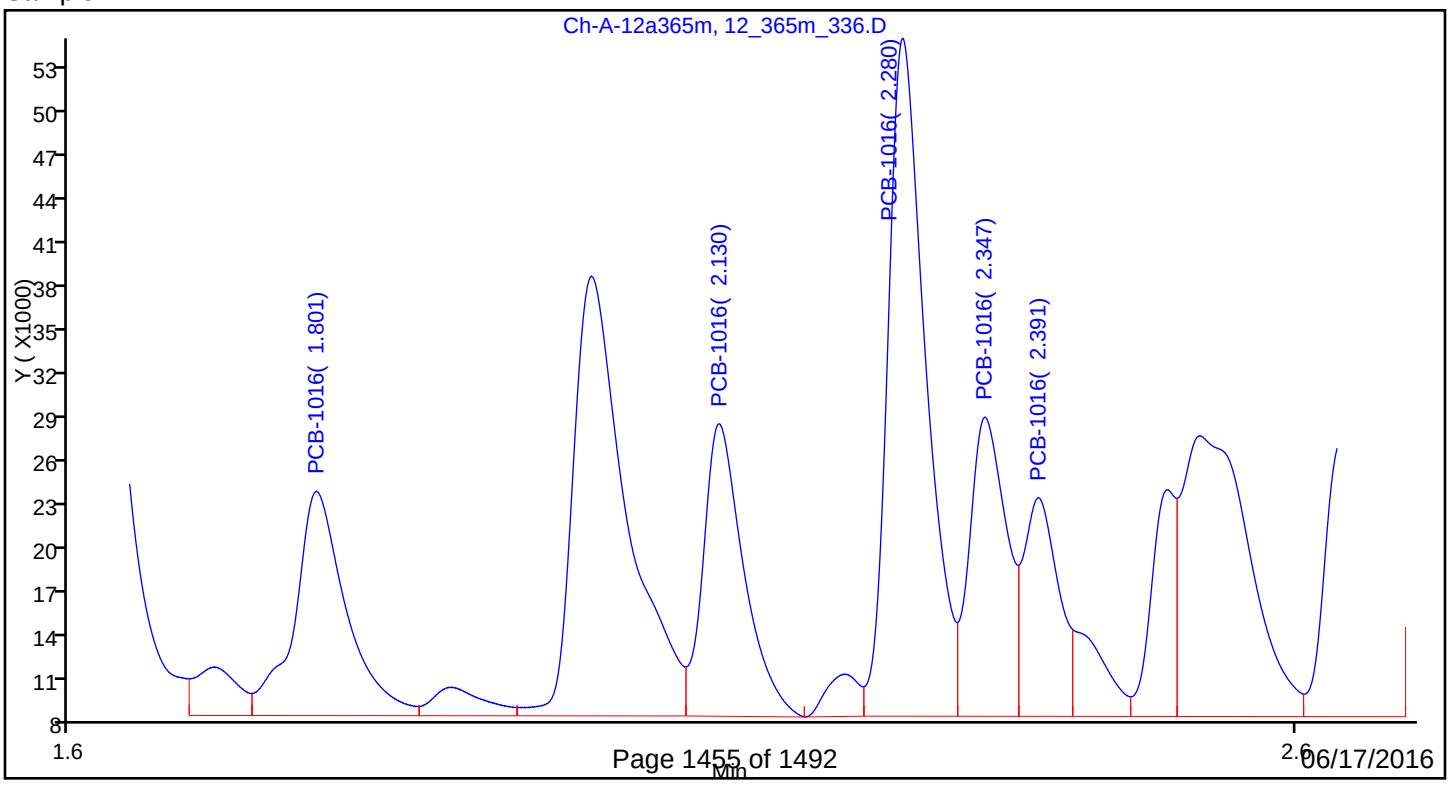
Injection Date:	09-Jun-2016 00:12:13	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-B MSD				
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 02:16:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

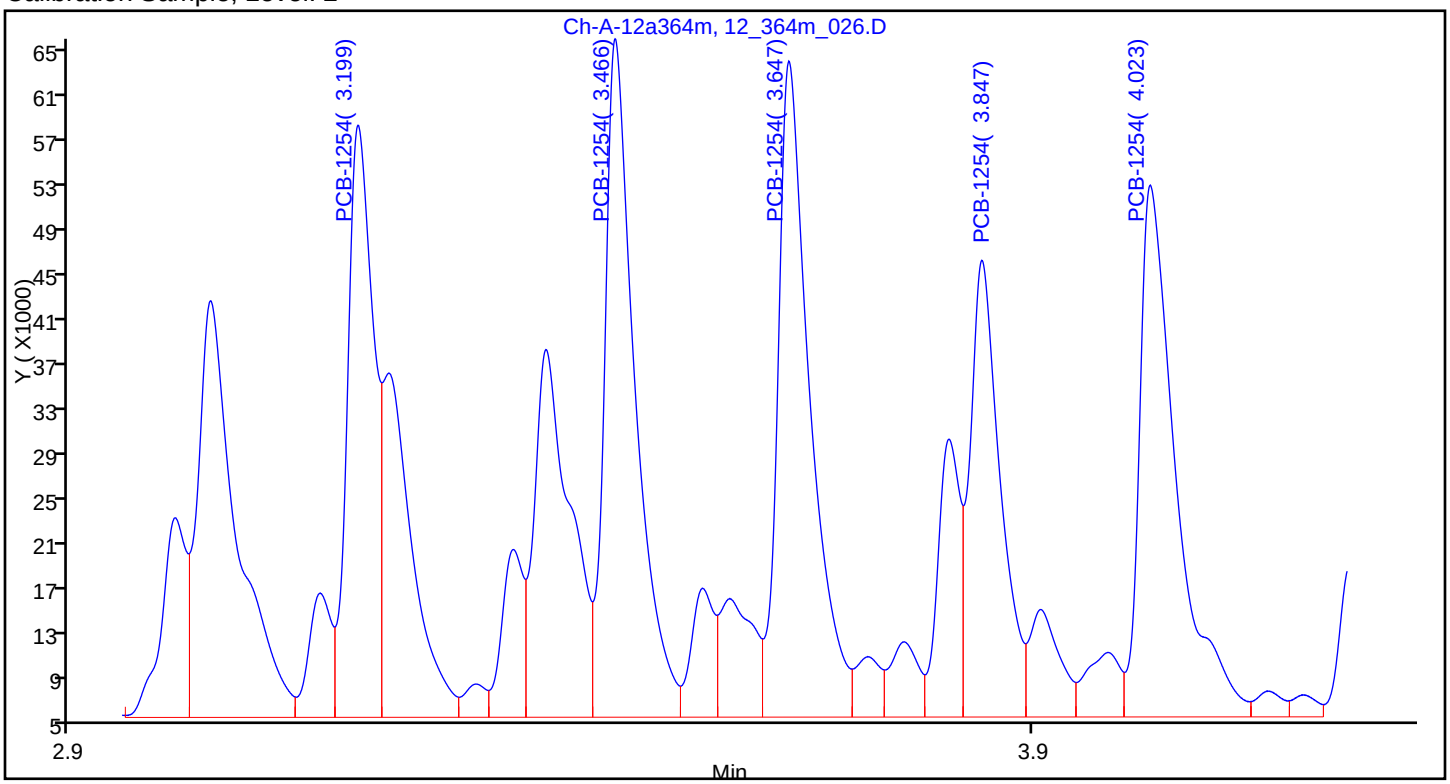
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_336.D

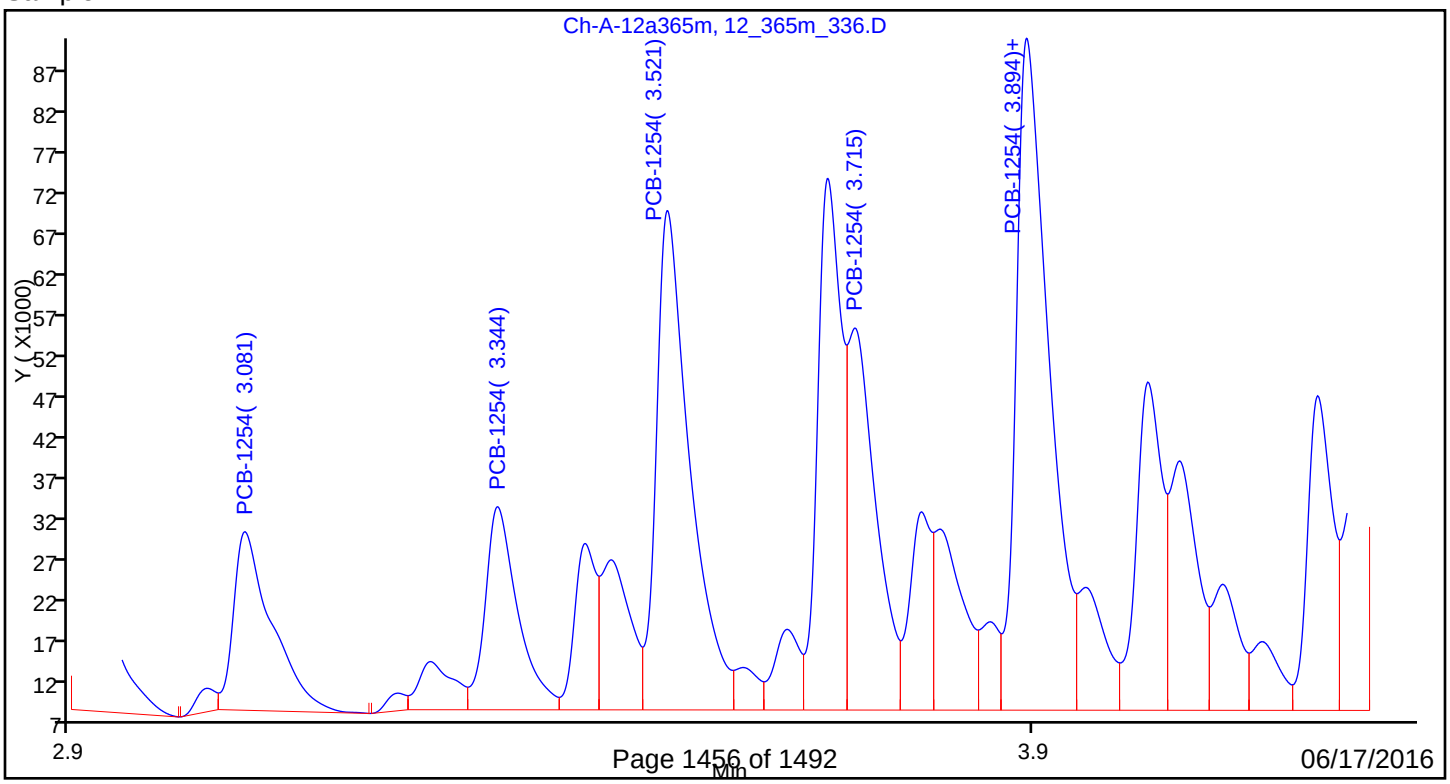
Injection Date:	09-Jun-2016 00:12:13	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-B MSD				
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



Report Date: 09-Jun-2016 02:16:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

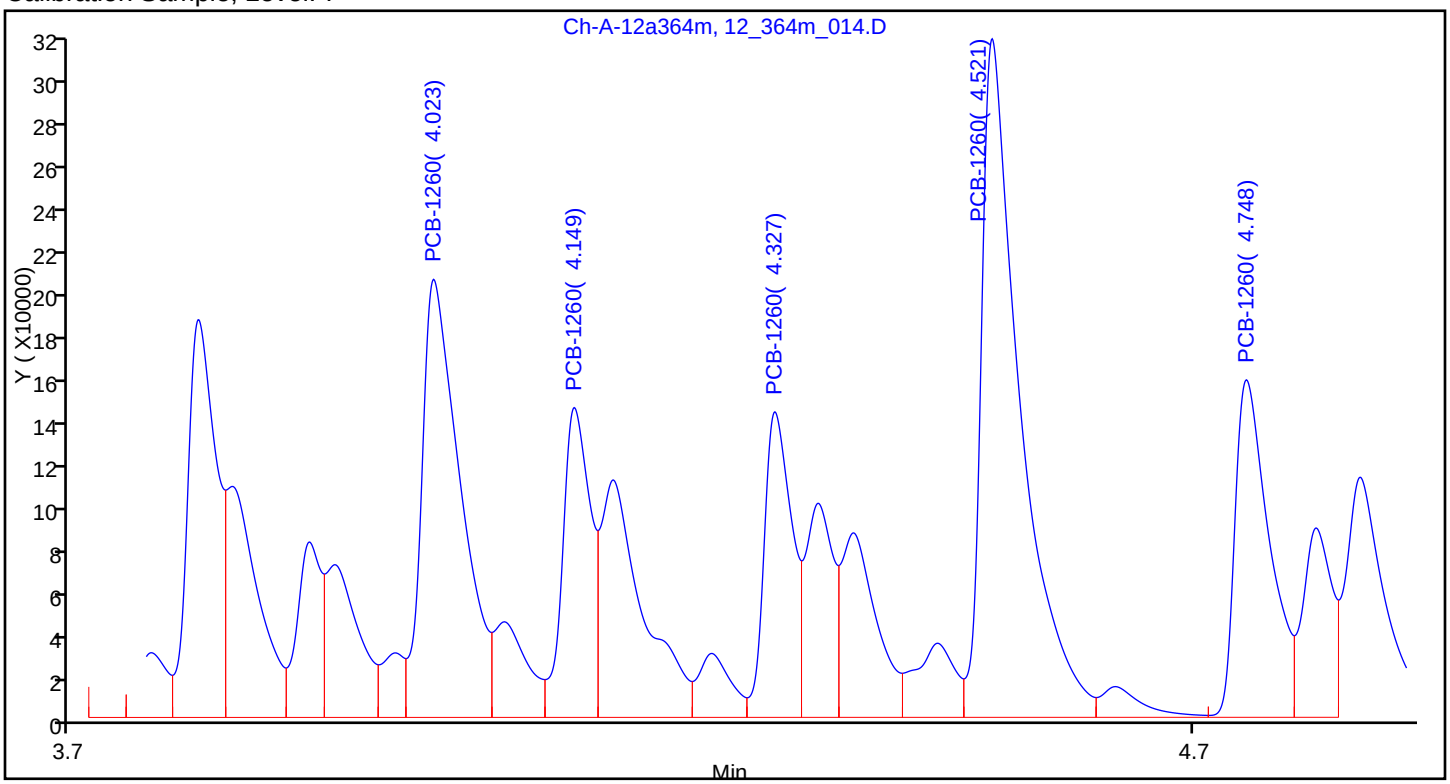
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_336.D

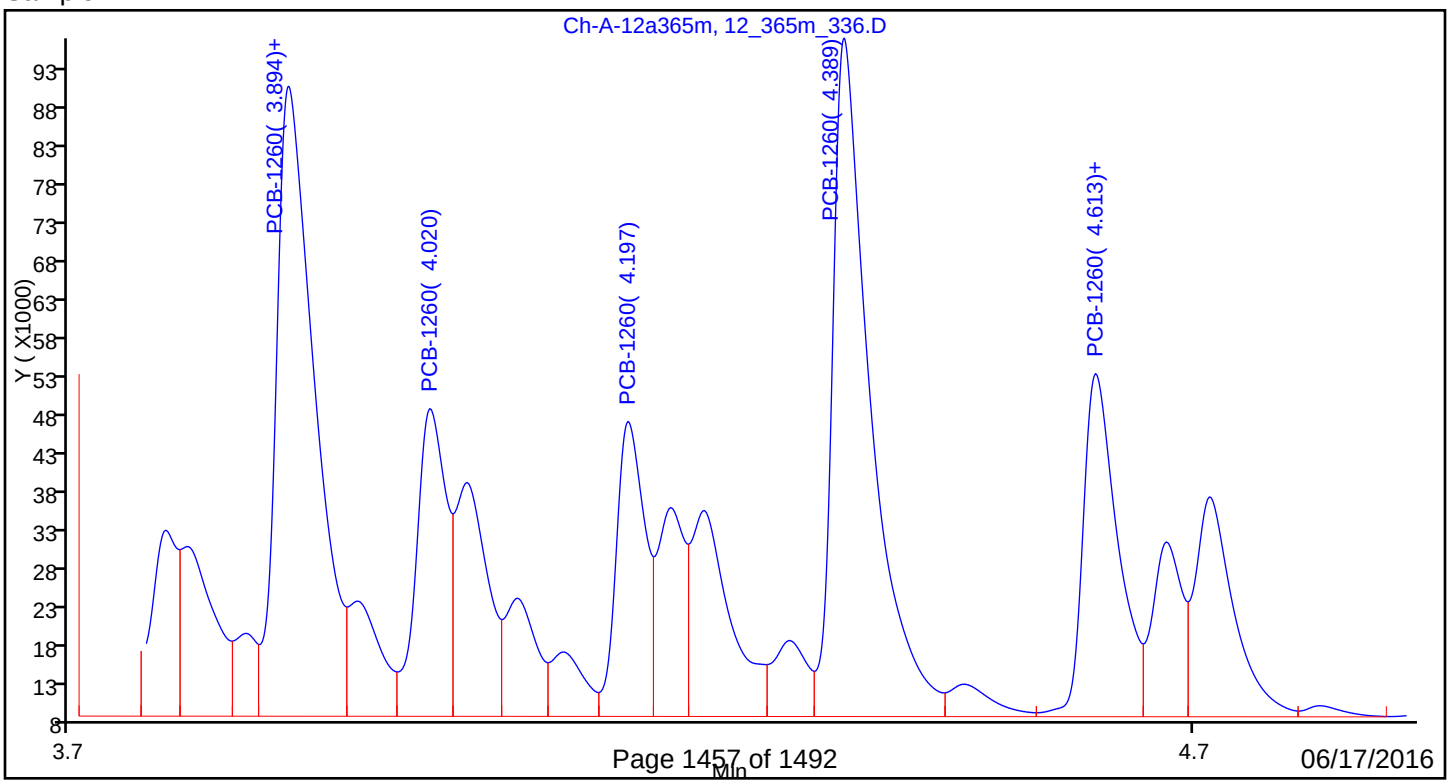
Injection Date:	09-Jun-2016 00:12:13	Instrument ID:	HP5890-12		
Lims ID:	480-101258-A-20-B MSD				
Client ID:	SS7-15				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 02:16:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160608-53875.b\12_365m_336.D

Injection Date: 09-Jun-2016 00:12:13 Instrument ID: HP5890-12

Lims ID: 480-101258-A-20-B MSD

Client ID: SS7-15

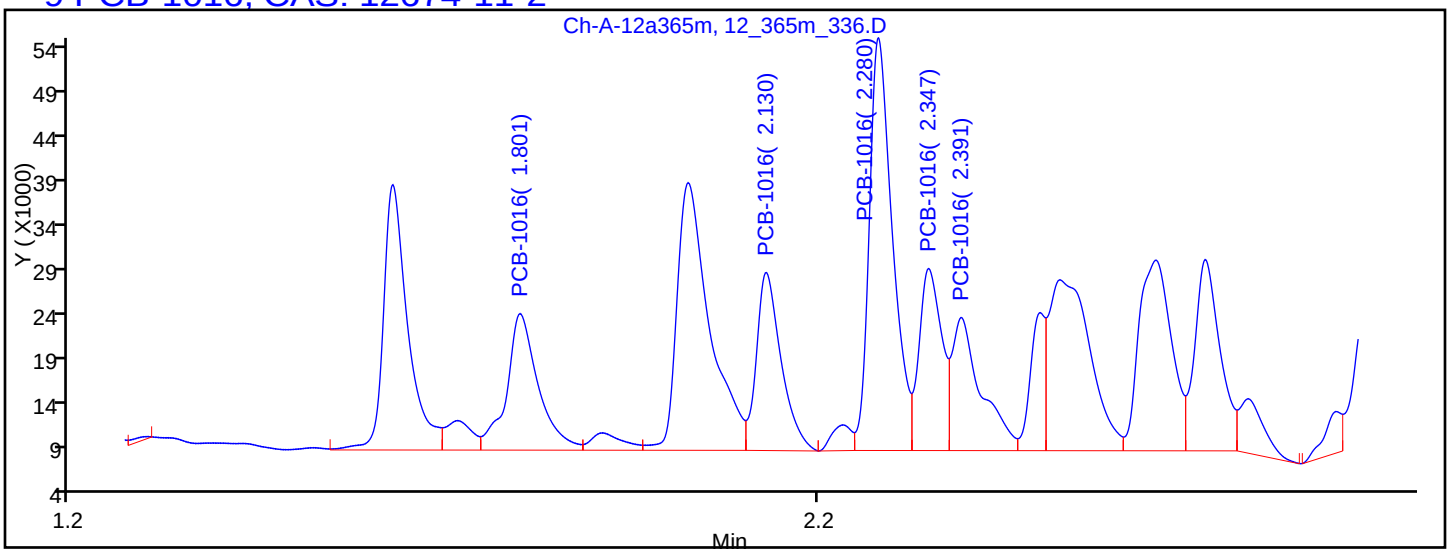
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 30

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

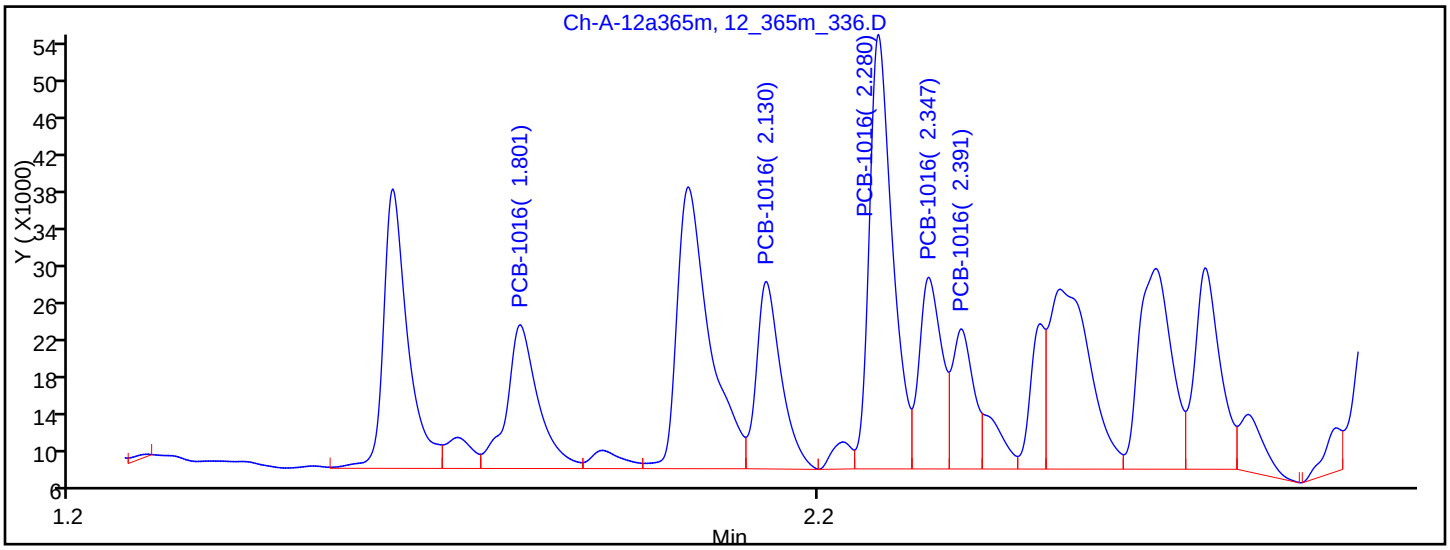
RT = 1.801 Response = 45383

RT = 2.130 Response = 46239

RT = 2.280 Response = 101028

RT = 2.347 Response = 43329

RT = 2.391 Response = 40406 M



Manual Integration Results

RT = 1.801 Response = 45383

RT = 2.130 Response = 46239

RT = 2.280 Response = 101028

RT = 2.347 Response = 43329

RT = 2.391 Response = 29556 M

Reviewer: sobolk, 09-Jun-2016 02:16:44

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101258-1

SDG No.:

Client Sample ID: SS-RINSEBLANK2 MSD | Lab Sample ID: 480-101258-22 MSD

Matrix: Water | Lab File ID: 7_06-336.D

Analysis Method: 8082A | Date Collected: 06/07/2016 09:25

Extraction Method: 3510C | Date Extracted: 06/08/2016 15:12

Sample wt/vol: 250(mL) | Date Analyzed: 06/09/2016 03:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 305726 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.90		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	3.34		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		24-137
2051-24-3	DCB Decachlorobiphenyl	38		19-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-336.D
Lims ID: 480-101258-B-22-B MSD
Client ID:
Sample Type: MSD
Inject. Date: 09-Jun-2016 03:28:47 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 11:32:58 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 11:32:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.115	1.109	0.006	10868349	0.5000	0.5000	
2	1.047	1.040	0.007	18934588	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	2.020	2.020	0.000	562949	0.0200	0.0181	
2	1.638	1.638	0.000	743342	0.0200	0.0160	M
						RPD = 12.23	
9 PCB-1016							M
1	2.601	2.602	-0.001	444245	0.5000	0.4511	
1	2.750	2.751	-0.001	294227	0.5000	0.4861	
1	2.954	2.954	0.000	1005142	0.5000	0.5061	
1	3.038	3.038	0.000	388724	0.5000	0.4942	
1	3.099	3.099	0.000	264857	0.5000	0.5020	
		Average of Peak Amounts =				0.4879	
2	2.344	2.343	0.001	904746	0.5000	0.5225	M
2	2.653	2.653	-0.001	1815910	0.5000	0.4768	M
2	2.766	2.766	0.000	708865	0.5000	0.4988	M
2	2.858	2.860	-0.002	363192	0.5000	0.4503	M
2	3.136	3.137	-0.001	888481	0.5000	0.4923	M
		Average of Peak Amounts =				0.4882	
						RPD = 0.05	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.813	4.813	0.000	776809	0.5000	0.4895	
1	4.942	4.942	0.000	364039	0.5000	0.3995	
1	5.132	5.133	0.000	351339	0.5000	0.4084	
1	5.335	5.337	-0.002	804434	0.5000	0.3903	
1	5.578	5.578	0.000	405512	0.5000	0.3988	
		Average of Peak Amounts =				0.4173	
2	4.500	4.501	-0.001	1056267	0.5000	0.5182	M
2	4.550	4.549	0.001	792028	0.5000	0.4351	M
2	4.810	4.811	-0.001	675647	0.5000	0.3709	M
2	4.947	4.948	-0.001	1743476	0.5000	0.4008	M
2	5.281	5.282	-0.001	850008	0.5000	0.3332	M
		Average of Peak Amounts =				0.4116	
						RPD = 1.37	
2 1260 Res 1							M
1	5.690	5.643	0.048	170051		NC	
2	4.878	4.878	0.001	614609		NC	M
4 1260 Res 2							M
1	5.641	5.691	-0.050	139236		NC	
2	5.133	5.061	0.073	66732		NC	M
3 1260 Res 3							M
1	5.810	5.808	0.002	17513		NC	
2	4.998	5.000	-0.002	44924		NC	M
$ 15 DCB Decachlorobiphenyl							
1	6.963	6.965	-0.002	132582	0.0200	0.007585	
2	6.340	6.339	0.001	280108	0.0200	0.008087	
						RPD = 6.40	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00060	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00006	Amount Added: 20.00	Units: uL	Run Reagent

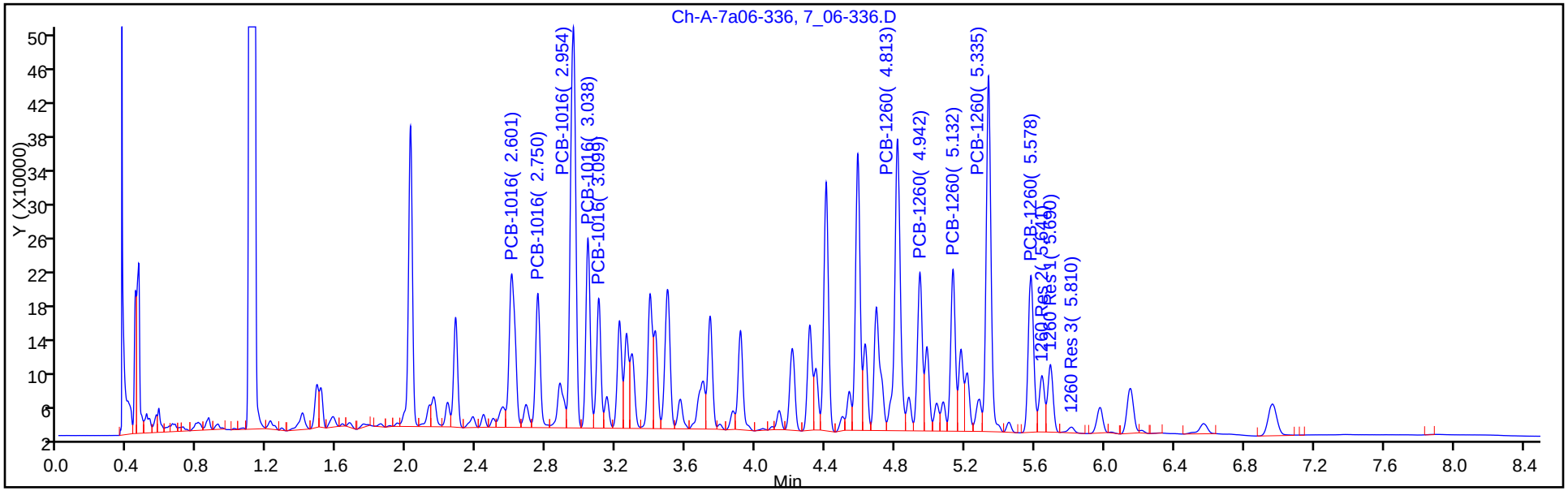
Report Date: 09-Jun-2016 11:32:58 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

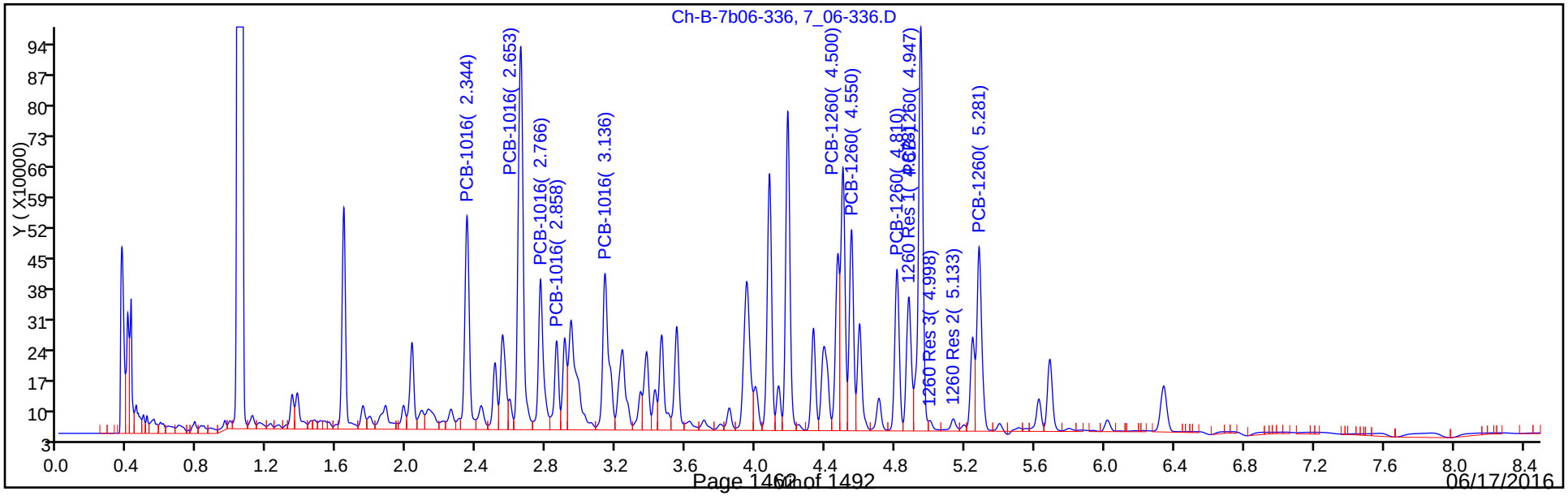
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-336.D

Injection Date:	09-Jun-2016 03:28:47	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-101258-B-22-B MSD			Worklist Smp#:	39
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-336.D
Lims ID: 480-101258-B-22-B MSD
Client ID:
Sample Type: MSD
Inject. Date: 09-Jun-2016 03:28:47 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 09-Jun-2016 11:32:58 Calib Date: 29-Apr-2016 01:08:20
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160428-52676.b\7_04-123.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK022

First Level Reviewer: owenj Date: 09-Jun-2016 11:32:58

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0181	90.55
$ 15 DCB Decachlorobiphenyl	0.0200	0.007585	37.93

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0160	80.11
$ 15 DCB Decachlorobiphenyl	0.0200	0.008087	40.43

Report Date: 09-Jun-2016 11:32:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-336.D

Injection Date: 09-Jun-2016 03:28:47 Instrument ID: HP6890-7

Lims ID: 480-101258-B-22-B MSD

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 39

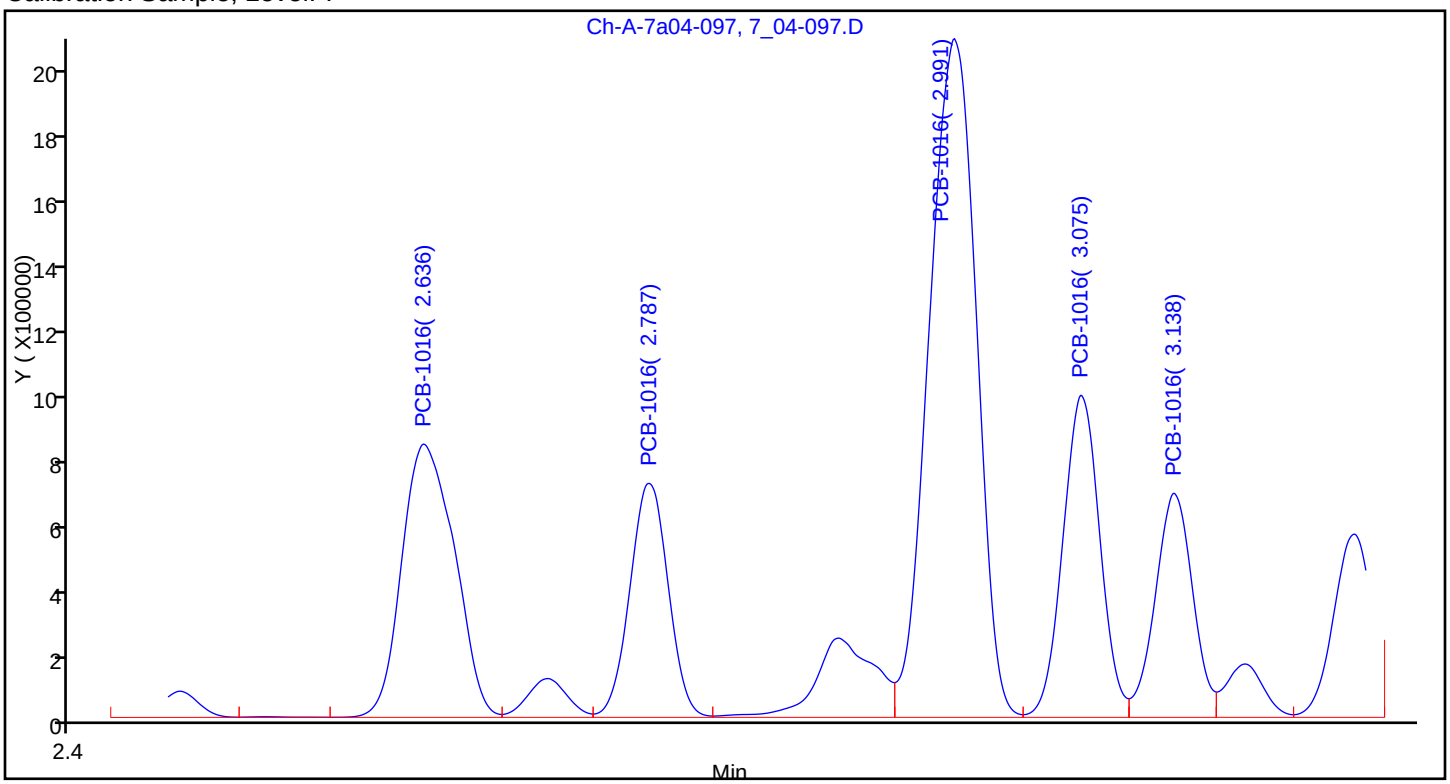
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

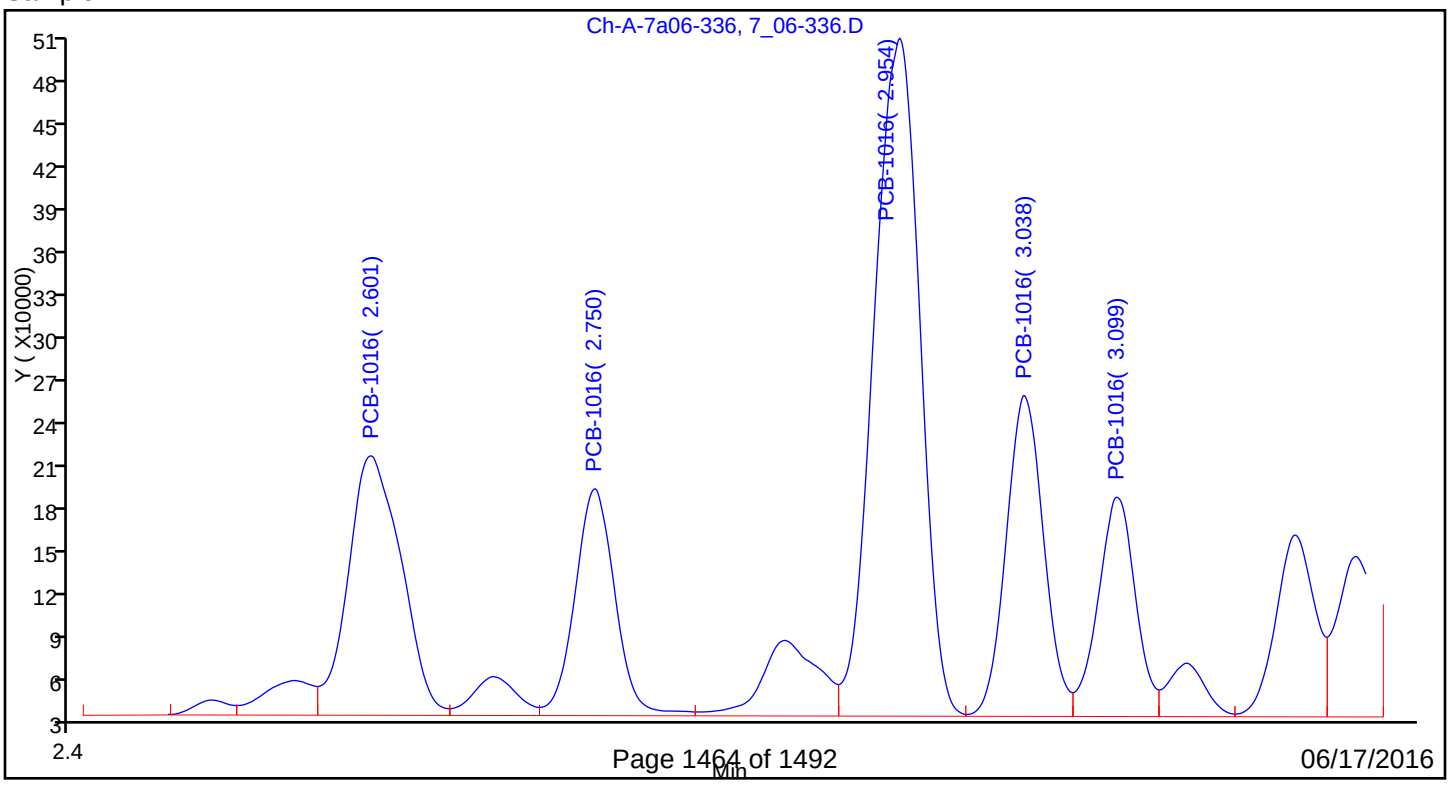
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 09-Jun-2016 11:32:59 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20160608-53877.b\7_06-336.D

Injection Date: 09-Jun-2016 03:28:47 Instrument ID: HP6890-7

Lims ID: 480-101258-B-22-B MSD

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 39

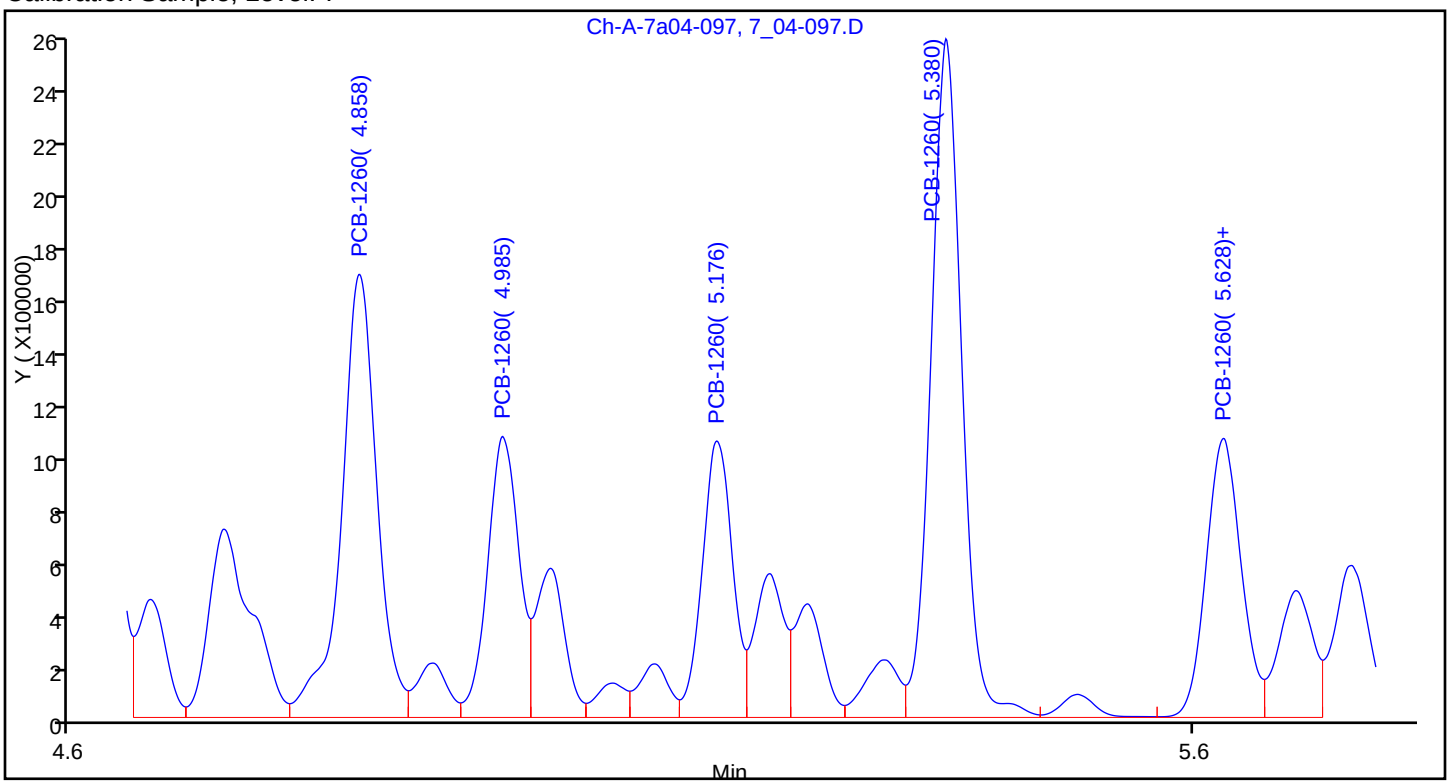
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

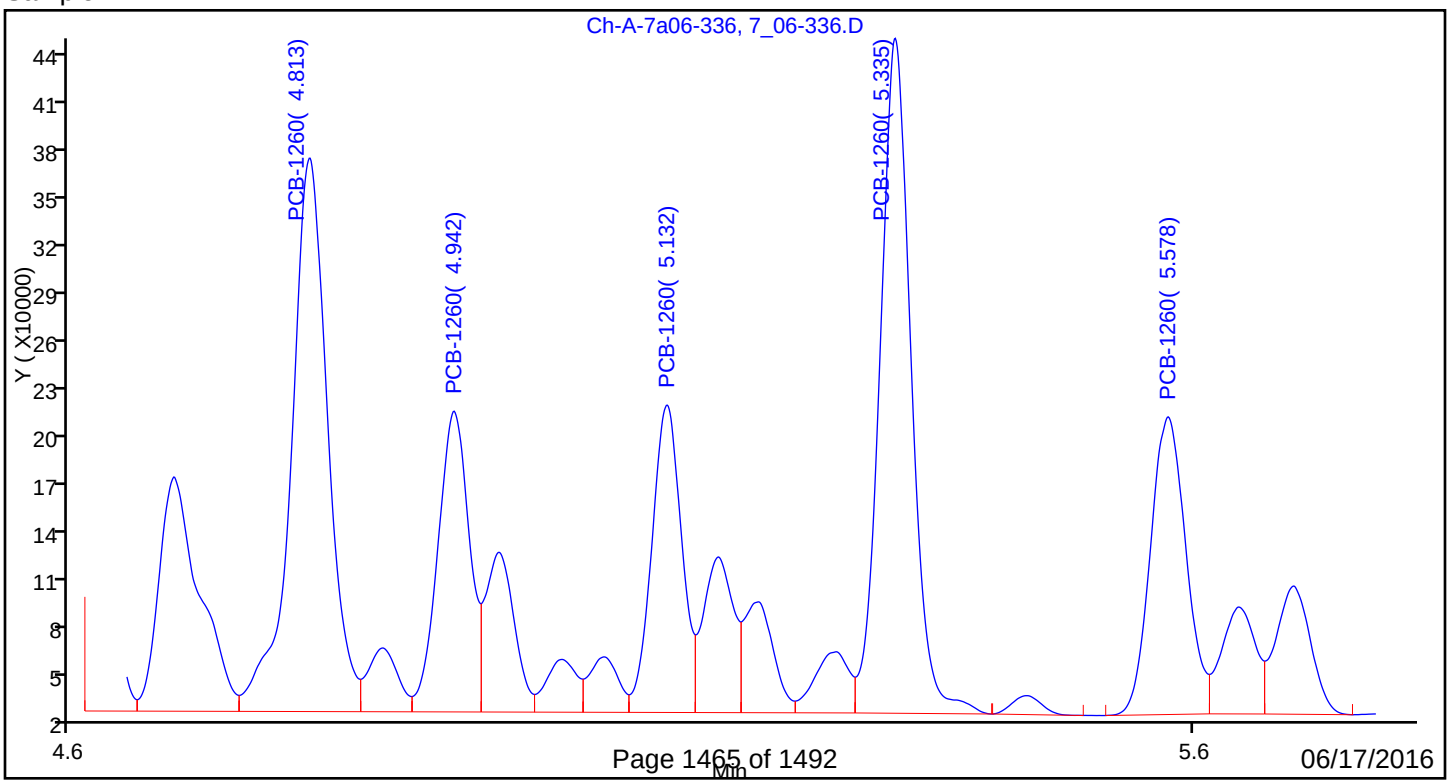
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 04/28/2016 16:57

Analysis Batch Number: 298867 End Date: 04/29/2016 01:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-298867/2		04/28/2016 16:57	1	7_04-097.D	ZB-5 0.53(mm)
IC 480-298867/2		04/28/2016 16:57	1	7_04-097.D	ZB-35 0.53(mm)
IC 480-298867/3		04/28/2016 17:16	1	7_04-098.D	ZB-5 0.53(mm)
IC 480-298867/3		04/28/2016 17:16	1	7_04-098.D	ZB-35 0.53(mm)
ICIS 480-298867/4		04/28/2016 17:35	1	7_04-099.D	ZB-5 0.53(mm)
ICIS 480-298867/4		04/28/2016 17:35	1	7_04-099.D	ZB-35 0.53(mm)
IC 480-298867/5		04/28/2016 17:54	1	7_04-100.D	ZB-5 0.53(mm)
IC 480-298867/5		04/28/2016 17:54	1	7_04-100.D	ZB-35 0.53(mm)
IC 480-298867/6		04/28/2016 18:13	1	7_04-101.D	ZB-5 0.53(mm)
IC 480-298867/6		04/28/2016 18:13	1	7_04-101.D	ZB-35 0.53(mm)
IC 480-298867/7		04/28/2016 18:32	1	7_04-102.D	ZB-5 0.53(mm)
IC 480-298867/7		04/28/2016 18:32	1	7_04-102.D	ZB-35 0.53(mm)
IC 480-298867/8		04/28/2016 18:50	1	7_04-103.D	ZB-5 0.53(mm)
IC 480-298867/8		04/28/2016 18:50	1	7_04-103.D	ZB-35 0.53(mm)
ICV 480-298867/9		04/28/2016 19:09	1		ZB-5 0.53(mm)
ICV 480-298867/9		04/28/2016 19:09	1		ZB-35 0.53(mm)
CCV 480-298867/10		04/28/2016 19:28	1		ZB-5 0.53(mm)
CCV 480-298867/10		04/28/2016 19:28	1		ZB-35 0.53(mm)
ZZZZZ		04/28/2016 19:47	1		ZB-5 0.53(mm)
ZZZZZ		04/28/2016 19:47	1		ZB-35 0.53(mm)
ZZZZZ		04/28/2016 20:06	1		ZB-5 0.53(mm)
ZZZZZ		04/28/2016 20:06	1		ZB-35 0.53(mm)
CCVL 480-298867/13		04/28/2016 20:25	0.02		ZB-5 0.53(mm)
CCVL 480-298867/13		04/28/2016 20:25	0.02		ZB-35 0.53(mm)
IC 480-298867/14		04/28/2016 20:44	1	7_04-109.D	ZB-5 0.53(mm)
IC 480-298867/14		04/28/2016 20:44	1	7_04-109.D	ZB-35 0.53(mm)
IC 480-298867/15		04/28/2016 21:03	1	7_04-110.D	ZB-5 0.53(mm)
IC 480-298867/15		04/28/2016 21:03	1	7_04-110.D	ZB-35 0.53(mm)
IC 480-298867/16		04/28/2016 21:22	1	7_04-111.D	ZB-5 0.53(mm)
IC 480-298867/16		04/28/2016 21:22	1	7_04-111.D	ZB-35 0.53(mm)
ICV 480-298867/17		04/28/2016 21:41	1		ZB-5 0.53(mm)
ICV 480-298867/17		04/28/2016 21:41	1		ZB-35 0.53(mm)
IC 480-298867/18		04/28/2016 21:59	1	7_04-113.D	ZB-5 0.53(mm)
IC 480-298867/18		04/28/2016 21:59	1	7_04-113.D	ZB-35 0.53(mm)
IC 480-298867/19		04/28/2016 22:18	1	7_04-114.D	ZB-5 0.53(mm)
IC 480-298867/19		04/28/2016 22:18	1	7_04-114.D	ZB-35 0.53(mm)
IC 480-298867/20		04/28/2016 22:37	1	7_04-115.D	ZB-5 0.53(mm)
IC 480-298867/20		04/28/2016 22:37	1	7_04-115.D	ZB-35 0.53(mm)
ICV 480-298867/21		04/28/2016 22:56	1		ZB-5 0.53(mm)
ICV 480-298867/21		04/28/2016 22:56	1		ZB-35 0.53(mm)
IC 480-298867/22		04/28/2016 23:15	1	7_04-117.D	ZB-5 0.53(mm)
IC 480-298867/22		04/28/2016 23:15	1	7_04-117.D	ZB-35 0.53(mm)
IC 480-298867/23		04/28/2016 23:33	1	7_04-118.D	ZB-5 0.53(mm)
IC 480-298867/23		04/28/2016 23:33	1	7_04-118.D	ZB-35 0.53(mm)
IC 480-298867/24		04/28/2016 23:52	1	7_04-119.D	ZB-5 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 04/28/2016 16:57

Analysis Batch Number: 298867 End Date: 04/29/2016 01:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-298867/24		04/28/2016 23:52	1	7_04-119.D	ZB-35 0.53(mm)
ICV 480-298867/25		04/29/2016 00:11	1		ZB-5 0.53(mm)
ICV 480-298867/25		04/29/2016 00:11	1		ZB-35 0.53(mm)
IC 480-298867/26		04/29/2016 00:30	1	7_04-121.D	ZB-5 0.53(mm)
IC 480-298867/26		04/29/2016 00:30	1	7_04-121.D	ZB-35 0.53(mm)
IC 480-298867/27		04/29/2016 00:49	1	7_04-122.D	ZB-5 0.53(mm)
IC 480-298867/27		04/29/2016 00:49	1	7_04-122.D	ZB-35 0.53(mm)
IC 480-298867/28		04/29/2016 01:08	1	7_04-123.D	ZB-5 0.53(mm)
IC 480-298867/28		04/29/2016 01:08	1	7_04-123.D	ZB-35 0.53(mm)
ICV 480-298867/29		04/29/2016 01:27	1		ZB-5 0.53(mm)
ICV 480-298867/29		04/29/2016 01:27	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/04/2016 17:08

Analysis Batch Number: 299978 End Date: 05/04/2016 22:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-299978/2		05/04/2016 17:08	1	12_364m_014.D	ZB-5 0.53(mm)
IC 480-299978/2		05/04/2016 17:08	1	12_364m_014.D	ZB-35 0.53(mm)
IC 480-299978/3		05/04/2016 17:23	1	12_364m_015.D	ZB-5 0.53(mm)
IC 480-299978/3		05/04/2016 17:23	1	12_364m_015.D	ZB-35 0.53(mm)
ICIS 480-299978/4		05/04/2016 17:39	1	12_364m_016.D	ZB-5 0.53(mm)
ICIS 480-299978/4		05/04/2016 17:39	1	12_364m_016.D	ZB-35 0.53(mm)
IC 480-299978/5		05/04/2016 17:54	1	12_364m_017.D	ZB-5 0.53(mm)
IC 480-299978/5		05/04/2016 17:54	1	12_364m_017.D	ZB-35 0.53(mm)
IC 480-299978/6		05/04/2016 18:10	1	12_364m_018.D	ZB-5 0.53(mm)
IC 480-299978/6		05/04/2016 18:10	1	12_364m_018.D	ZB-35 0.53(mm)
IC 480-299978/7		05/04/2016 18:25	1	12_364m_019.D	ZB-5 0.53(mm)
IC 480-299978/7		05/04/2016 18:25	1	12_364m_019.D	ZB-35 0.53(mm)
IC 480-299978/8		05/04/2016 18:40	1	12_364m_020.D	ZB-5 0.53(mm)
IC 480-299978/8		05/04/2016 18:40	1	12_364m_020.D	ZB-35 0.53(mm)
ICV 480-299978/9		05/04/2016 18:56	1		ZB-5 0.53(mm)
ICV 480-299978/9		05/04/2016 18:56	1		ZB-35 0.53(mm)
CCV 480-299978/10		05/04/2016 19:11	1		ZB-5 0.53(mm)
CCV 480-299978/10		05/04/2016 19:11	1		ZB-35 0.53(mm)
ZZZZZ		05/04/2016 19:26	1		ZB-5 0.53(mm)
ZZZZZ		05/04/2016 19:26	1		ZB-35 0.53(mm)
ZZZZZ		05/04/2016 19:42	1		ZB-5 0.53(mm)
ZZZZZ		05/04/2016 19:42	1		ZB-35 0.53(mm)
CCVL 480-299978/13		05/04/2016 19:57	0.02		ZB-5 0.53(mm)
CCVL 480-299978/13		05/04/2016 19:57	0.02		ZB-35 0.53(mm)
IC 480-299978/15		05/04/2016 20:12	1	12_364m_026.D	ZB-5 0.53(mm)
IC 480-299978/15		05/04/2016 20:12	1	12_364m_026.D	ZB-35 0.53(mm)
ICV 480-299978/17		05/04/2016 20:28	1		ZB-5 0.53(mm)
ICV 480-299978/17		05/04/2016 20:28	1		ZB-35 0.53(mm)
IC 480-299978/19		05/04/2016 20:43	1	12_364m_028.D	ZB-5 0.53(mm)
IC 480-299978/19		05/04/2016 20:43	1	12_364m_028.D	ZB-35 0.53(mm)
ICV 480-299978/21		05/04/2016 20:58	1		ZB-5 0.53(mm)
ICV 480-299978/21		05/04/2016 20:58	1		ZB-35 0.53(mm)
IC 480-299978/23		05/04/2016 21:14	1	12_364m_030.D	ZB-5 0.53(mm)
IC 480-299978/23		05/04/2016 21:14	1	12_364m_030.D	ZB-35 0.53(mm)
ICV 480-299978/25		05/04/2016 21:29	1		ZB-5 0.53(mm)
ICV 480-299978/25		05/04/2016 21:29	1		ZB-35 0.53(mm)
IC 480-299978/27		05/04/2016 21:44	1	12_364m_032.D	ZB-5 0.53(mm)
IC 480-299978/27		05/04/2016 21:44	1	12_364m_032.D	ZB-35 0.53(mm)
ICV 480-299978/29		05/04/2016 22:00	1		ZB-5 0.53(mm)
ICV 480-299978/29		05/04/2016 22:00	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 06/08/2016 16:11

Analysis Batch Number: 305722 End Date: 06/09/2016 04:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-305722/4		06/08/2016 16:11	1	12_365m_310.D	ZB-5 0.53(mm)
CCVIS 480-305722/4		06/08/2016 16:11	1	12_365m_310.D	ZB-35 0.53(mm)
CCV 480-305722/5		06/08/2016 16:51	1		ZB-5 0.53(mm)
CCV 480-305722/5		06/08/2016 16:51	1		ZB-35 0.53(mm)
CCV 480-305722/6		06/08/2016 17:06	1		ZB-5 0.53(mm)
CCV 480-305722/6		06/08/2016 17:06	1		ZB-35 0.53(mm)
CCV 480-305722/7		06/08/2016 17:21	1		ZB-5 0.53(mm)
CCV 480-305722/7		06/08/2016 17:21	1		ZB-35 0.53(mm)
CCV 480-305722/8		06/08/2016 17:37	1		ZB-5 0.53(mm)
CCV 480-305722/8		06/08/2016 17:37	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 18:11	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 18:11	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 18:30	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 18:30	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 18:49	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 18:49	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 19:07	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 19:07	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 19:26	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 19:26	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 19:45	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 19:45	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 20:04	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 20:04	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 20:23	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 20:23	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 20:42	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 20:42	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 21:00	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 21:00	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 21:19	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 21:19	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 21:38	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 21:38	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 21:57	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 21:57	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 22:16	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 22:16	1		ZB-35 0.53(mm)
CCV 480-305722/25		06/08/2016 22:55	1	12_365m_331.D	ZB-5 0.53(mm)
CCV 480-305722/25		06/08/2016 22:55	1	12_365m_331.D	ZB-35 0.53(mm)
MB 480-305616/1-A		06/08/2016 23:26	1	12_365m_333.D	ZB-5 0.53(mm)
MB 480-305616/1-A		06/08/2016 23:26	1	12_365m_333.D	ZB-35 0.53(mm)
LCS 480-305616/2-A		06/08/2016 23:41	1	12_365m_334.D	ZB-5 0.53(mm)
LCS 480-305616/2-A		06/08/2016 23:41	1	12_365m_334.D	ZB-35 0.53(mm)
480-101258-20 MS		06/08/2016 23:56	1	12_365m_335.D	ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 06/08/2016 16:11

Analysis Batch Number: 305722 End Date: 06/09/2016 04:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-101258-20 MS		06/08/2016 23:56	1	12_365m_335.D	ZB-35 0.53(mm)
480-101258-20 MSD		06/09/2016 00:12	1	12_365m_336.D	ZB-5 0.53(mm)
480-101258-20 MSD		06/09/2016 00:12	1	12_365m_336.D	ZB-35 0.53(mm)
480-101258-20		06/09/2016 00:27	1	12_365m_337.D	ZB-5 0.53(mm)
480-101258-20		06/09/2016 00:27	1	12_365m_337.D	ZB-35 0.53(mm)
480-101258-9		06/09/2016 00:42	1	12_365m_338.D	ZB-5 0.53(mm)
480-101258-9		06/09/2016 00:42	1	12_365m_338.D	ZB-35 0.53(mm)
480-101258-10		06/09/2016 00:58	2	12_365m_339.D	ZB-5 0.53(mm)
480-101258-10		06/09/2016 00:58	2	12_365m_339.D	ZB-35 0.53(mm)
480-101258-11		06/09/2016 01:13	1	12_365m_340.D	ZB-5 0.53(mm)
480-101258-11		06/09/2016 01:13	1	12_365m_340.D	ZB-35 0.53(mm)
480-101258-12		06/09/2016 01:28	1	12_365m_341.D	ZB-5 0.53(mm)
480-101258-12		06/09/2016 01:28	1	12_365m_341.D	ZB-35 0.53(mm)
480-101258-13		06/09/2016 02:07	1	12_366m_001.D	ZB-5 0.53(mm)
480-101258-13		06/09/2016 02:07	1	12_366m_001.D	ZB-35 0.53(mm)
480-101258-14		06/09/2016 02:23	1	12_366m_002.D	ZB-5 0.53(mm)
480-101258-14		06/09/2016 02:23	1	12_366m_002.D	ZB-35 0.53(mm)
480-101258-15		06/09/2016 02:38	1	12_366m_003.D	ZB-5 0.53(mm)
480-101258-15		06/09/2016 02:38	1	12_366m_003.D	ZB-35 0.53(mm)
480-101258-16		06/09/2016 02:53	1	12_366m_004.D	ZB-5 0.53(mm)
480-101258-16		06/09/2016 02:53	1	12_366m_004.D	ZB-35 0.53(mm)
480-101258-17		06/09/2016 03:09	1	12_366m_005.D	ZB-5 0.53(mm)
480-101258-17		06/09/2016 03:09	1	12_366m_005.D	ZB-35 0.53(mm)
480-101258-18		06/09/2016 03:24	1	12_366m_006.D	ZB-5 0.53(mm)
480-101258-18		06/09/2016 03:24	1	12_366m_006.D	ZB-35 0.53(mm)
480-101258-19		06/09/2016 03:40	1	12_366m_007.D	ZB-5 0.53(mm)
480-101258-19		06/09/2016 03:40	1	12_366m_007.D	ZB-35 0.53(mm)
480-101258-21		06/09/2016 03:55	1	12_366m_008.D	ZB-5 0.53(mm)
480-101258-21		06/09/2016 03:55	1	12_366m_008.D	ZB-35 0.53(mm)
ZZZZZ		06/09/2016 04:10	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 04:10	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 04:26	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 04:26	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 04:41	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 04:41	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 06/08/2016 16:21

Analysis Batch Number: 305726 End Date: 06/09/2016 07:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-305726/4		06/08/2016 16:21	1	7_06-301.D	ZB-5 0.53(mm)
CCVIS 480-305726/4		06/08/2016 16:21	1	7_06-301.D	ZB-35 0.53(mm)
CCV 480-305726/5		06/08/2016 16:53	1	7_06-302.D	ZB-5 0.53(mm)
CCV 480-305726/5		06/08/2016 16:53	1	7_06-302.D	ZB-35 0.53(mm)
CCV 480-305726/6		06/08/2016 17:12	1	7_06-303.D	ZB-5 0.53(mm)
CCV 480-305726/6		06/08/2016 17:12	1	7_06-303.D	ZB-35 0.53(mm)
CCV 480-305726/7		06/08/2016 17:30	1	7_06-304.D	ZB-5 0.53(mm)
CCV 480-305726/7		06/08/2016 17:30	1	7_06-304.D	ZB-35 0.53(mm)
CCV 480-305726/8		06/08/2016 17:49	1	7_06-305.D	ZB-5 0.53(mm)
CCV 480-305726/8		06/08/2016 17:49	1	7_06-305.D	ZB-35 0.53(mm)
MB 480-305614/1-A		06/08/2016 18:27	1	7_06-307.D	ZB-5 0.53(mm)
MB 480-305614/1-A		06/08/2016 18:27	1	7_06-307.D	ZB-35 0.53(mm)
LCS 480-305614/2-A		06/08/2016 18:45	1	7_06-308.D	ZB-5 0.53(mm)
LCS 480-305614/2-A		06/08/2016 18:45	1	7_06-308.D	ZB-35 0.53(mm)
ZZZZZ		06/08/2016 19:04	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 19:04	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 19:23	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 19:23	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 19:41	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 19:41	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 20:00	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 20:00	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 20:19	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 20:19	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 20:37	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 20:37	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 20:56	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 20:56	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 21:15	10		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 21:15	10		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 21:33	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 21:33	1		ZB-35 0.53(mm)
ZZZZZ		06/08/2016 21:52	1		ZB-5 0.53(mm)
ZZZZZ		06/08/2016 21:52	1		ZB-35 0.53(mm)
480-101258-1		06/08/2016 22:11	1	7_06-319.D	ZB-5 0.53(mm)
480-101258-1		06/08/2016 22:11	1	7_06-319.D	ZB-35 0.53(mm)
480-101258-2		06/08/2016 22:29	1	7_06-320.D	ZB-5 0.53(mm)
480-101258-2		06/08/2016 22:29	1	7_06-320.D	ZB-35 0.53(mm)
480-101258-3		06/08/2016 22:48	1	7_06-321.D	ZB-5 0.53(mm)
480-101258-3		06/08/2016 22:48	1	7_06-321.D	ZB-35 0.53(mm)
480-101258-4		06/08/2016 23:07	1	7_06-322.D	ZB-5 0.53(mm)
480-101258-4		06/08/2016 23:07	1	7_06-322.D	ZB-35 0.53(mm)
480-101258-5		06/08/2016 23:25	1	7_06-323.D	ZB-5 0.53(mm)
480-101258-5		06/08/2016 23:25	1	7_06-323.D	ZB-35 0.53(mm)
480-101258-6		06/08/2016 23:44	1	7_06-324.D	ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 06/08/2016 16:21

Analysis Batch Number: 305726 End Date: 06/09/2016 07:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-101258-6		06/08/2016 23:44	1	7_06-324.D	ZB-35 0.53(mm)
480-101258-7		06/09/2016 00:02	1	7_06-325.D	ZB-5 0.53(mm)
480-101258-7		06/09/2016 00:02	1	7_06-325.D	ZB-35 0.53(mm)
480-101258-8		06/09/2016 00:21	1	7_06-326.D	ZB-5 0.53(mm)
480-101258-8		06/09/2016 00:21	1	7_06-326.D	ZB-35 0.53(mm)
CCV 480-305726/30		06/09/2016 00:40	1	7_06-327.D	ZB-5 0.53(mm)
CCV 480-305726/30		06/09/2016 00:40	1	7_06-327.D	ZB-35 0.53(mm)
CCV 480-305726/31		06/09/2016 00:59	1	7_06-328.D	ZB-5 0.53(mm)
CCV 480-305726/31		06/09/2016 00:59	1	7_06-328.D	ZB-35 0.53(mm)
CCV 480-305726/32		06/09/2016 01:18	1	7_06-329.D	ZB-5 0.53(mm)
CCV 480-305726/32		06/09/2016 01:18	1	7_06-329.D	ZB-35 0.53(mm)
CCV 480-305726/33		06/09/2016 01:36	1	7_06-330.D	ZB-5 0.53(mm)
CCV 480-305726/33		06/09/2016 01:36	1	7_06-330.D	ZB-35 0.53(mm)
CCV 480-305726/34		06/09/2016 01:55	1	7_06-331.D	ZB-5 0.53(mm)
CCV 480-305726/34		06/09/2016 01:55	1	7_06-331.D	ZB-35 0.53(mm)
MB 480-305701/1-A		06/09/2016 02:32	1	7_06-333.D	ZB-5 0.53(mm)
MB 480-305701/1-A		06/09/2016 02:32	1	7_06-333.D	ZB-35 0.53(mm)
LCS 480-305701/2-A		06/09/2016 02:51	1	7_06-334.D	ZB-5 0.53(mm)
LCS 480-305701/2-A		06/09/2016 02:51	1	7_06-334.D	ZB-35 0.53(mm)
480-101258-22 MS		06/09/2016 03:10	1	7_06-335.D	ZB-5 0.53(mm)
480-101258-22 MS		06/09/2016 03:10	1	7_06-335.D	ZB-35 0.53(mm)
480-101258-22 MSD		06/09/2016 03:28	1	7_06-336.D	ZB-5 0.53(mm)
480-101258-22 MSD		06/09/2016 03:28	1	7_06-336.D	ZB-35 0.53(mm)
480-101258-22		06/09/2016 03:47	1	7_06-337.D	ZB-5 0.53(mm)
480-101258-22		06/09/2016 03:47	1	7_06-337.D	ZB-35 0.53(mm)
ZZZZZ		06/09/2016 04:06	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 04:06	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 04:24	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 04:24	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 04:43	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 04:43	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 05:01	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 05:01	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 05:20	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 05:20	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 05:38	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 05:38	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 05:57	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 05:57	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 06:15	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 06:15	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 06:33	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 06:33	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 06:52	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 06:52	1		ZB-35 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 06/08/2016 16:21

Analysis Batch Number: 305726 End Date: 06/09/2016 07:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		06/09/2016 07:10	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 07:10	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 07:29	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 07:29	1		ZB-35 0.53(mm)
ZZZZZ		06/09/2016 07:48	1		ZB-5 0.53(mm)
ZZZZZ		06/09/2016 07:48	1		ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 305614 Batch Start Date: 06/08/16 10:08 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8081/82surr 00088	O_8082spike 00051	AnalysisComment
MB 480-305614/1		3550C, 8082A		CALC NOT SET TO RUN	2.45 g	10 mL	1 mL		
LCS 480-305614/2		3550C, 8082A		CALC NOT SET TO RUN	2.06 g	10 mL	1 mL	1 mL	
480-101258-A-1	SS21-9	3550C, 8082A	T	CALC NOT SET TO RUN	2.12 g	10 mL	1 mL		
480-101258-A-2	SS21-10	3550C, 8082A	T	CALC NOT SET TO RUN	2.26 g	10 mL	1 mL		
480-101258-A-3	SS21-11	3550C, 8082A	T	CALC NOT SET TO RUN	2.26 g	10 mL	1 mL		
480-101258-A-4	SS21-12	3550C, 8082A	T	CALC NOT SET TO RUN	2.19 g	10 mL	1 mL		
480-101258-A-5	SS21-13	3550C, 8082A	T	CALC NOT SET TO RUN	2.35 g	10 mL	1 mL		
480-101258-A-6	SS21-14	3550C, 8082A	T	CALC NOT SET TO RUN	2.39 g	10 mL	1 mL		Decanted
480-101258-A-7	SS21-15	3550C, 8082A	T	CALC NOT SET TO RUN	2.18 g	10 mL	1 mL		
480-101258-A-8	SS21-16	3550C, 8082A	T	CALC NOT SET TO RUN	2.24 g	10 mL	1 mL		

Batch Notes	
Acid used for Clean Up ID	Sulfuric 3407850
Balance ID	40029
Blank Soil Lot Number	3421875
Analyst ID - Clean Up	JS 06-08-16
Na2SO4 ID	3421875
Nominal Amount Used	2 Wipe
Prep Solvent ID	3426793
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10
Analyst ID - Reagent Drop Witness	CM
Perform Calculation (0=No, 1=Yes)	0

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 305614 Batch Start Date: 06/08/16 10:08 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 305616 Batch Start Date: 06/08/16 10:13 Batch Analyst: Hartigan, Connor P

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8081/82surr 00088	O_8082spike 00051	
MB 480-305616/1		3550C, 8082A		CALC NOT SET TO RUN	2.18 g	10 mL	1 mL		
LCS 480-305616/2		3550C, 8082A		CALC NOT SET TO RUN	2.53 g	10 mL	1 mL	1 mL	
480-101258-A-20 MS	SS7-15	3550C, 8082A	T	CALC NOT SET TO RUN	2.43 g	10 mL	1 mL	1 mL	
480-101258-A-20 MSD	SS7-15	3550C, 8082A	T	CALC NOT SET TO RUN	2.35 g	10 mL	1 mL	1 mL	
480-101258-A-20	SS7-15	3550C, 8082A	T	CALC NOT SET TO RUN	2.82 g	10 mL	1 mL		
480-101258-A-9	SS20-9	3550C, 8082A	T	CALC NOT SET TO RUN	2.56 g	10 mL	1 mL		
480-101258-A-10	SS20-10	3550C, 8082A	T	CALC NOT SET TO RUN	2.23 g	10 mL	1 mL		
480-101258-A-11	SS20-11	3550C, 8082A	T	CALC NOT SET TO RUN	2.14 g	10 mL	1 mL		
480-101258-A-12	SS20-12	3550C, 8082A	T	CALC NOT SET TO RUN	2.25 g	10 mL	1 mL		
480-101258-A-13	SS20-13	3550C, 8082A	T	CALC NOT SET TO RUN	2.36 g	10 mL	1 mL		
480-101258-A-14	SS7-9	3550C, 8082A	T	CALC NOT SET TO RUN	2.30 g	10 mL	1 mL		
480-101258-A-15	SS7-10	3550C, 8082A	T	CALC NOT SET TO RUN	2.29 g	10 mL	1 mL		
480-101258-A-16	SS7-11	3550C, 8082A	T	CALC NOT SET TO RUN	2.36 g	10 mL	1 mL		
480-101258-A-17	SS7-12	3550C, 8082A	T	CALC NOT SET TO RUN	2.12 g	10 mL	1 mL		
480-101258-A-18	SS7-13	3550C, 8082A	T	CALC NOT SET TO RUN	2.17 g	10 mL	1 mL		
480-101258-A-19	SS7-14	3550C, 8082A	T	CALC NOT SET TO RUN	2.22 g	10 mL	1 mL		
480-101258-A-21	SS7-DUP2	3550C, 8082A	T	CALC NOT SET TO RUN	2.12 g	10 mL	1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 305616 Batch Start Date: 06/08/16 10:13 Batch Analyst: Hartigan, Connor P

Batch Method: 3550C Batch End Date:

Batch Notes	
Acid used for Clean Up ID	Sulfuric 3407850
Balance ID	40029
Blank Soil Lot Number	3421875
Analyst ID - Clean Up	CH 06-08-16
Na2SO4 ID	3421875
Nominal Amount Used	2 Wipe
Prep Solvent ID	3426793
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10
Analyst ID - Reagent Drop Witness	CH
Perform Calculation (0=No, 1=Yes)	0

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 305701 Batch Start Date: 06/08/16 15:09 Batch Analyst: Sonker, Alexander R

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	O_608PCBSpike 00011	O_PCBLLsurr 00036	
MB 480-305701/1		3510C, 8082A		7 SU	250 mL	2 mL		1 mL	
LCS 480-305701/2		3510C, 8082A		7 SU	250 mL	2 mL	1 mL	1 mL	
480-101258-B-22 MS	SS-RINSEBLANK2	3510C, 8082A	T	7 SU	250 mL	2 mL	1 mL	1 mL	
480-101258-B-22 MSD	SS-RINSEBLANK2	3510C, 8082A	T	7 SU	250 mL	2 mL	1 mL	1 mL	
480-101258-B-22	SS-RINSEBLANK2	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	

Batch Notes	
Acid used for Clean Up ID	Sulfuric 3407851 AS 6/8/2016
Analyst ID - Concentration	AS AW
Exchange Solvent ID	3426797
Exchange Solvent Name	Hexane
Na2SO4 ID	3421872
Prep Solvent ID	3427994
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	60 mL
Person's name who did the prep	AS
Analyst ID - Reagent Drop Witness	AS
Sufficient volume for MS/MSD?	YES

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-101258-1

SDG No.:

Project: Lockheed Martin Corporation - PCBs

Client Sample ID	Lab Sample ID
SS21-9	480-101258-1
SS21-10	480-101258-2
SS21-11	480-101258-3
SS21-12	480-101258-4
SS21-13	480-101258-5
SS21-14	480-101258-6
SS21-15	480-101258-7
SS21-16	480-101258-8
SS20-9	480-101258-9
SS20-10	480-101258-10
SS20-11	480-101258-11
SS20-12	480-101258-12
SS20-13	480-101258-13
SS7-9	480-101258-14
SS7-10	480-101258-15
SS7-11	480-101258-16
SS7-12	480-101258-17
SS7-13	480-101258-18
SS7-14	480-101258-19
SS7-15	480-101258-20
SS7-DUP2	480-101258-21
B111-AREA2-S1	480-101258-23
B111-AREA2-S2	480-101258-24
B112-AREA2-S1	480-101258-25
B112-AREA2-S2	480-101258-26
B113-AREA2-S1	480-101258-27
B113-AREA2-S2	480-101258-28
B114-AREA2-S1	480-101258-29
B114-AREA2-S2	480-101258-30
B101-AREA2-S1	480-101258-31
B101-AREA2-S2	480-101258-32
B102-AREA2-S1	480-101258-33
B102-AREA2-S2	480-101258-34
B103-AREA2-S1	480-101258-35
B103-AREA2-S2	480-101258-36
B109-AREA2-S1	480-101258-37
B109-AREA2-S2	480-101258-38
B110-AREA2-S1	480-101258-39
B110-AREA2-S2	480-101258-40
B115-AREA2-S1	480-101258-41
B115-AREA2-S2	480-101258-42
B-AREA2-DUP5	480-101258-43

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-101258-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-101258-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 06/08/2016 07:04 End Date: 06/08/2016 07:04

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
480-101258-1	1	T	07:04	X	X																								
480-101258-2	1	T	07:04	X	X																								
480-101258-3	1	T	07:04	X	X																								
480-101258-4	1	T	07:04	X	X																								
480-101258-5	1	T	07:04	X	X																								
480-101258-6	1	T	07:04	X	X																								
480-101258-7	1	T	07:04	X	X																								
480-101258-8	1	T	07:04	X	X																								
480-101258-9	1	T	07:04	X	X																								
480-101258-10	1	T	07:04	X	X																								
480-101258-11	1	T	07:04	X	X																								
480-101258-12	1	T	07:04	X	X																								
480-101258-13	1	T	07:04	X	X																								
480-101258-14	1	T	07:04	X	X																								
480-101258-15	1	T	07:04	X	X																								
480-101258-16	1	T	07:04	X	X																								
480-101258-17	1	T	07:04	X	X																								
480-101258-18	1	T	07:04	X	X																								
480-101258-19	1	T	07:04	X	X																								
480-101258-20	1	T	07:04	X	X																								
480-101258-20 MS	1	T	07:04	X	X																								
480-101258-20 MSD	1	T	07:04	X	X																								
480-101258-21	1	T	07:04	X	X																								
480-101258-23	1	T	07:04	X	X																								
480-101258-24	1	T	07:04	X	X																								
480-101258-25	1	T	07:04	X	X																								
480-101258-26	1	T	07:04	X	X																								
480-101258-27	1	T	07:04	X	X																								
480-101258-28	1	T	07:04	X	X																								
480-101258-29	1	T	07:04	X	X																								
480-101258-30	1	T	07:04	X	X																								
480-101258-31	1	T	07:04	X	X																								
480-101258-32	1	T	07:04	X	X																								
480-101258-33	1	T	07:04	X	X																								
480-101258-34	1	T	07:04	X	X																								
480-101258-35	1	T	07:04	X	X																								
480-101258-36	1	T	07:04	X	X																								
480-101258-37	1	T	07:04	X	X																								
480-101258-38	1	T	07:04	X	X																								

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 06/08/2016 07:04 End Date: 06/08/2016 07:04

Lab Sample Id	D/F	Type	Time	Analytes																								
				% Sol	Moist																							
480-101258-39	1	T	07:04	X	X																							
480-101258-40	1	T	07:04	X	X																							
480-101258-41	1	T	07:04	X	X																							
480-101258-42	1	T	07:04	X	X																							
480-101258-43	1	T	07:04	X	X																							

Prep Types:
T = Total/NA

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 305546 Batch Start Date: 06/08/16 07:04 Batch Analyst: Williams, Christopher S

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-101258-A-1	SS21-9	Moisture	T	1	4.35 g	17.26 g	13.88 g		
480-101258-A-2	SS21-10	Moisture	T	2	4.35 g	15.54 g	12.85 g		
480-101258-A-3	SS21-11	Moisture	T	3	4.35 g	15.44 g	11.92 g		
480-101258-A-4	SS21-12	Moisture	T	4	4.35 g	12.23 g	11.09 g		
480-101258-A-5	SS21-13	Moisture	T	5	4.35 g	17.93 g	13.86 g		
480-101258-A-6	SS21-14	Moisture	T	6	4.35 g	20.81 g	14.55 g		
480-101258-A-7	SS21-15	Moisture	T	7	4.35 g	11.43 g	9.67 g		
480-101258-A-8	SS21-16	Moisture	T	8	4.35 g	13.41 g	11.63 g		
480-101258-A-9	SS20-9	Moisture	T	9	4.35 g	13.93 g	13.14 g		
480-101258-A-10	SS20-10	Moisture	T	10	4.35 g	21.55 g	20.60 g		
480-101258-A-11	SS20-11	Moisture	T	11	4.35 g	12.13 g	11.47 g		
480-101258-A-12	SS20-12	Moisture	T	12	4.35 g	19.09 g	16.70 g		
480-101258-A-13	SS20-13	Moisture	T	13	4.35 g	14.42 g	13.42 g		
480-101258-A-14	SS7-9	Moisture	T	14	4.35 g	17.68 g	14.41 g		
480-101258-A-15	SS7-10	Moisture	T	15	4.35 g	12.34 g	10.39 g		
480-101258-A-16	SS7-11	Moisture	T	16	4.35 g	15.67 g	14.57 g		
480-101258-A-17	SS7-12	Moisture	T	17	4.35 g	12.99 g	11.86 g		
480-101258-A-18	SS7-13	Moisture	T	18	4.35 g	11.29 g	10.32 g		
480-101258-A-19	SS7-14	Moisture	T	19	4.35 g	16.69 g	15.58 g		
480-101258-A-20	SS7-15	Moisture	T	20	4.35 g	10.62 g	9.70 g		
480-101258-A-20 MS	SS7-15	Moisture	T	20	4.35 g	10.62 g	9.70 g		
480-101258-A-20 MSD	SS7-15	Moisture	T	20	4.35 g	10.62 g	9.70 g		
480-101258-A-21	SS7-DUP2	Moisture	T	21	4.35 g	11.15 g	10.27 g		
480-101258-A-23	B111-AREA2-S1	Moisture	T	22	4.35 g	10.81 g	10.28 g		
480-101258-A-24	B111-AREA2-S2	Moisture	T	23	4.35 g	12.11 g	11.14 g		
480-101258-A-25	B112-AREA2-S1	Moisture	T	24	4.35 g	15.71 g	14.87 g		
480-101258-A-26	B112-AREA2-S2	Moisture	T	25	4.35 g	18.38 g	17.59 g		
480-101258-A-27	B113-AREA2-S1	Moisture	T	26	4.35 g	16.19 g	15.29 g		
480-101258-A-28	B113-AREA2-S2	Moisture	T	27	4.35 g	14.23 g	13.47 g		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101258-1

SDG No.:

Batch Number: 305546 Batch Start Date: 06/08/16 07:04 Batch Analyst: Williams, Christopher S

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-101258-A-29	B114-AREA2-S1	Moisture	T	28	4.35 g	18.36 g	16.61 g		
480-101258-A-30	B114-AREA2-S2	Moisture	T	29	4.35 g	8.91 g	8.03 g		
480-101258-A-31	B101-AREA2-S1	Moisture	T	30	4.35 g	11.58 g	11.04 g		
480-101258-A-32	B101-AREA2-S2	Moisture	T	31	4.35 g	17.97 g	17.01 g		
480-101258-A-33	B102-AREA2-S1	Moisture	T	32	4.35 g	16.67 g	15.71 g		
480-101258-A-34	B102-AREA2-S2	Moisture	T	33	4.35 g	14.31 g	13.68 g		
480-101258-A-35	B103-AREA2-S1	Moisture	T	34	4.35 g	13.17 g	12.48 g		
480-101258-A-36	B103-AREA2-S2	Moisture	T	35	4.35 g	16.59 g	15.79 g		
480-101258-A-37	B109-AREA2-S1	Moisture	T	36	4.35 g	13.58 g	12.77 g		
480-101258-A-38	B109-AREA2-S2	Moisture	T	37	4.35 g	19.63 g	17.92 g		
480-101258-A-39	B110-AREA2-S1	Moisture	T	38	4.35 g	14.49 g	13.72 g		
480-101258-A-40	B110-AREA2-S2	Moisture	T	39	4.35 g	9.58 g	9.23 g		
480-101258-A-41	B115-AREA2-S1	Moisture	T	40	4.35 g	12.68 g	11.93 g		
480-101258-A-42	B115-AREA2-S2	Moisture	T	41	4.35 g	12.33 g	11.69 g		
480-101258-A-43	B-AREA2-DUP5	Moisture	T	42	4.35 g	15.97 g	15.32 g		

Batch Notes	
Batch Comment	PP-F-11A-15
Date samples were placed in the oven	08JUNE2016
Oven Temp In	106 Degrees C
Time samples were place in the oven	0720

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

480-101258 Chain of Custody

Client Information	Sampler: Clarington/L. Frost	Lab PM: VanDette, Ryan T	COC No: 480-84053-20583.1
Client Contact: Ms. Laura Best	Phone: 585-301-0166	E-Mail: ryan.vandette@testamericainc.com	Page: Page 1 of 14 (2)
Company: Stantec Consulting Services Inc			Job #:
Address: 61 Commercial Street	Due Date Requested:		
City: Rochester	TAT Requested (days): STD 10-day		
State, Zip: NY, 14614			
Phone:	PO #: Purchase Order not required		
Email: laura.best@stantec.com	WO #: 10137		
Project Name: Lockheed Martin Corporation	Project #: 48002828		
Site: New York	SSOW#:		

Analysis Reque

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	N	A		
SS21-9	6-6-16	1033	G	Solid			X			1	
SS21-10		1036		Solid			X			1	
SS21-11		1038		Solid			X			1	
SS21-12		1042		Solid			X			1	
SS21-13		1058		Solid			X			1	
SS21-14		1100		Solid			X			1	
SS21-15		1103		Solid			X			1	
SS21-16		1106		Solid			X			1	
SS20-9		1333		Solid			X			1	
SS20-10		1335		Solid			X			1	
SS20-11	↓	1337	↓	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV) Other (specify) Cat. B, NYSDEC Equis EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Laura Best	Date/Time: 6/7/16 17:15	Company: Stantec	Received by: [illegible] Peay	Date/Time: 6/7/16 1715	Company: SVL
Relinquished by: R. English	Date/Time: 6-7-16, 19:00	Company: Syr	Received by: [illegible]	Date/Time: 6-8-16 0140	Company: TAS
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.7 #1

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Vanvinston / L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-84053-20583.2
Client Contact: Ms. Laura Best	Phone: 585-301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page 2 of 4
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): STD 10-day			
State, Zip: NY, 14614				
Phone:	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
SS20-12	6-6-16	1339	G	Solid			X			1	
SS20-13	6-6-16	1340		Solid			X			1	
SS7-9	6-7-16	0810		Solid			X			1	
SS7-10		0813		Solid			X			1	
SS7-11		0820		Solid			X			1	
SS7-12		0825		Solid			X			1	
SS7-13		0829		Solid			X			1	
SS7-14		0834		Solid			X			1	
SS7-15	↓	0840		Solid		X	X			3	
SS7-DUP2	6/7/16	0836	↓	Solid			X			1	
SS-RINSEBLANK2	6-7-16	0925	G	Solid			X			2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV) Other (specify) Cat. B NYSDEC Equis EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Laura Best	6/7/16 17:15	Stantec	[signature]	6/7/16 1715	SYR
2	R. Eng/11 b	6-7-16, 19:00	Stantec	[signature]	6-8-16 0140	FED
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		0.7 #1

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Lawson / L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-84053-20583.3
Client Contact: Ms. Laura Best	Phone: 585-301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page 3 of 4 (2)
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested: 6/7/16 (7)	Analysis Requested		Preservation Codes:
City: Rochester	TAT Requested (days): STD - 10-day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY, 14614				
Phone:	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			Other:
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
B111-AREA2-S1	6-7-16	1020	G	Solid				X		1	
B111-AREA2-S2		1055		Solid				X		1	
B112-AREA2-S1		0950		Solid				X		1	
B112-AREA2-S2		0955		Solid				X		1	
B113-AREA2-S1		0915		Solid				X		1	
B113-AREA2-S2		0920		Solid				X		1	
B114-AREA2-S1		0830		Solid				X		1	
B114-AREA2-S2		0835		Solid				X		1	
B101-AREA2-S1		1525		Solid				X		1	
B101-AREA2-S2		1530		Solid				X		1	
B102-AREA2-S1		13:45		Solid				X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat. B NYSDEC Equis EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Laura Best	6/7/16 17:15	Stantec		6/7/16 1715	STL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-7-16, 19:00	Stantec		6-8-16 0740	TNT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		0.7 #1

Page 14 of 492

06/17/2016

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Yarrington / L. Best	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-84053-20583.4
Client Contact: Ms. Laura Best	Phone: 585-301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: Page 4 of 7 (LB)
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): 10d			
State, Zip: NY, 14614				
Phone:	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
B102 - AREA2 - S2	6/7/16	1355	G	Solid				X		1	
B103 - AREA2 - S1		1325		Solid				X		1	
B103 - AREA2 - S2		1330		Solid				X		1	
B109 - AREA2 - S1		1300		Solid				X		1	
B109 - AREA2 - S2		1305		Solid				X		1	
B110 - AREA2 - S1		1125		Solid				X		1	
B110 - AREA2 - S2		1145		Solid				X		1	
B115 - AREA2 - S1		1550		Solid				X		1	
B115 - AREA2 - S2		15:55		Solid				X		1	
B - AREA2 - DUPS	✓	14:00	✓	Solid				X		1	
				Solid			Laura Best 6/7/16				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat B deliverables; NYSDEC EQuIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Laura Best	6/7/16 17:15	Stantec	[illegible]	6/7/16 1715	SVR
2	Relinquished by:	6-7-16, 19:00	Stantec	[illegible]	6-8-16 0140	TAS
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		0.7 #1

Page 1 of 1
06/17/2016

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-101258-1
SDG Number:

Login Number: 101258
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

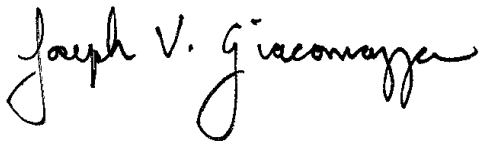
ANALYTICAL REPORT

Job Number: 480-101358-1

Job Description: Lockheed Martin Corporation - Soils

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney



Approved for release.
Joe V Giacomazza
Project Management Assistant II
6/22/2016 1:46 PM

Designee for
Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
06/22/2016

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Definitions 4

Case Narrative 5

Detection Summary 6

Client Sample Results 8

Default Detection Limits 25

Surrogate Summary 28

QC Sample Results 30

QC Association 50

Chronicle 52

Certification Summary 55

Method Summary 56

Sample Summary 57

Manual Integration Summary 58

Reagent Traceability 64

COAs 74

Organic Sample Data 80

GC/MS VOA 80

Method 8260C 80

Method 8260C QC Summary 81

Method 8260C Sample Data 129

Standards Data 235

Method 8260C ICAL Data 235

Method 8260C CCAL Data 415

Raw QC Data 458

Table of Contents

Method 8260C Tune Data 458

Method 8260C Blank Data 494

Method 8260C LCS/LCSD Data 534

Method 8260C MS/MSD Data 569

Method 8260C Run Logs 605

Method 8260C Prep Data 614

Inorganic Sample Data 622

General Chemistry Data 622

Gen Chem Cover Page 623

Gen Chem MDL 624

Gen Chem Analysis Run Log 626

Gen Chem Prep Data 627

Shipping and Receiving Documents 629

Client Chain of Custody 630

Sample Receipt Checklist 632

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job Narrative
480-101358-1

Receipt
The samples were received on 6/9/2016 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

GC/MS VOA
Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B107-AREA2-S2 (480-101358-10[MS]) and B107-AREA2-S2 (480-101358-10[MSD]).

Method(s) 8260C: Internal standard (ISTD) response for the following samples were outside control limits: B104-AREA2-S1 (480-101358-3), B104-AREA2-S2 (480-101358-4), B105-AREA2-S2 (480-101358-6), B106-AREA2-S1 (480-101358-7) and B107-AREA2-S2 (480-101358-10). The samples were re-analyzed with concurring results, and the second set of data has been reported.

Method(s) 8260C: Surrogate recovery for the following samples were outside control limits: B104-AREA2-S2 (480-101358-4), B105-AREA2-S2 (480-101358-6) and B107-AREA2-S2 (480-101358-10). Re-analysis was performed with concurring results. The second analysis has been reported.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B104-AREA2-S1 (480-101358-3), B104-AREA2-S2 (480-101358-4), B105-AREA2-S2 (480-101358-6), B106-AREA2-S1 (480-101358-7), B107-AREA2-S2 (480-101358-10), B107-AREA2-S2 (480-101358-10[MS]), B107-AREA2-S2 (480-101358-10[MSD]), B108-AREA2-S1 (480-101358-12) and B108-AREA2-S2 (480-101358-13).

Method(s) 8260C: Internal standard (ISTD) and surrogate response for the following samples were outside control limits: B106-AREA2-S2 (480-101358-8). The sample was re-analyzed with concurring results, and the re-analyzed set of data has been reported.

Method(s) 8260C: Internal standard (ISTD) and surrogate response for the following samples was outside control limits: B108-AREA2-S1 (480-101358-12[MS]) and B108-AREA2-S1 (480-101358-12[MSD]). The samples were re-analyzed with concurring results, and the re-analyzed sets of data have been reported.

Method(s) 8260C: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: B106-AREA2-S2 (480-101358-8), B107-AREA2-S1 (480-101358-9), B-POLEBARN-DUP6 (480-101358-11), B108-AREA2-S1 (480-101358-12[MS]) and B108-AREA2-S1 (480-101358-12[MSD]).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-306479 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Hexanone, Carbon tetrachloride and Cyclohexane. The sample associated with this CCV was non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: B105-AREA2-S1 (480-101358-5).

Method(s) 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: B105-AREA2-S1 (480-101358-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Surrogate recovery for the following samples was outside control limits: B107-AREA2-S2 (480-101358-10[MS]) and B107-AREA2-S2 (480-101358-10[MSD]). Re-analysis was performed with concurring results. The original analysis has been reported.

Method(s) 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: B105-AREA2-S1 (480-101358-5), (480-101358-A-5-C MS) and (480-101358-A-5-D MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-306748 recovered above the upper control limit for Carbon disulfide. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: SB-RINSEBLANK4 (480-101358-1) and TRIP BLANK (480-101358-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-101358-1

Client Sample ID: SB-RINSEBLANK4 — Lab Sample ID: 480-101358-1

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-101358-2

No Detections.

Client Sample ID: B104-AREA2-S1 — Lab Sample ID: 480-101358-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.6	J	5.4	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B104-AREA2-S2 — Lab Sample ID: 480-101358-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.1	*	5.4	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B105-AREA2-S1 — Lab Sample ID: 480-101358-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	170		110	31	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	76000	E	110	15	ug/Kg	1	☼	8260C	Total/NA
Toluene	36	J	110	30	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	2100		110	32	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	86000		1100	150	ug/Kg	10	☼	8260C	Total/NA
Trichloroethene - DL	2000	F1	1100	320	ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: B105-AREA2-S2 — Lab Sample ID: 480-101358-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	10		5.5	2.5	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	15	*	5.5	0.74	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B106-AREA2-S1 — Lab Sample ID: 480-101358-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	110		5.5	0.70	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	4.3	J	5.5	0.66	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B106-AREA2-S2 — Lab Sample ID: 480-101358-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.6		5.2	2.4	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.86	J *	5.2	0.39	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B107-AREA2-S1 — Lab Sample ID: 480-101358-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.87	J	5.5	0.70	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B107-AREA2-S2 — Lab Sample ID: 480-101358-10

This Detection Summary does not include radiochemical test results.

Client Sample ID: B107-AREA2-S2 (Continued)

Lab Sample ID: 480-101358-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	31	5.2	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	11	F1	6.2	2.8	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B-POLEBARN-DUP6

Lab Sample ID: 480-101358-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.4		5.4	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B108-AREA2-S1

Lab Sample ID: 480-101358-12

No Detections.

Client Sample ID: B108-AREA2-S2

Lab Sample ID: 480-101358-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	30	5.1	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	10		6.0	2.8	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-RINSEBLANK4

Date Collected: 06/08/16 11:40
Date Received: 06/09/16 01:30

Lab Sample ID: 480-101358-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/15/16 16:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/15/16 16:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/15/16 16:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/15/16 16:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/15/16 16:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/15/16 16:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/15/16 16:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/15/16 16:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/15/16 16:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/15/16 16:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/15/16 16:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/15/16 16:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/15/16 16:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/15/16 16:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/15/16 16:26	1
2-Hexanone	ND		5.0	1.2	ug/L			06/15/16 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/15/16 16:26	1
Acetone	ND		10	3.0	ug/L			06/15/16 16:26	1
Benzene	ND		1.0	0.41	ug/L			06/15/16 16:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/15/16 16:26	1
Bromoform	ND		1.0	0.26	ug/L			06/15/16 16:26	1
Bromomethane	ND		1.0	0.69	ug/L			06/15/16 16:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/15/16 16:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/15/16 16:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/15/16 16:26	1
Chloroethane	ND		1.0	0.32	ug/L			06/15/16 16:26	1
Chloroform	ND		1.0	0.34	ug/L			06/15/16 16:26	1
Chloromethane	ND		1.0	0.35	ug/L			06/15/16 16:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/15/16 16:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/15/16 16:26	1
Cyclohexane	ND		1.0	0.18	ug/L			06/15/16 16:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/15/16 16:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/15/16 16:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/15/16 16:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/15/16 16:26	1
Methyl acetate	ND		2.5	1.3	ug/L			06/15/16 16:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/15/16 16:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/15/16 16:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/15/16 16:26	1
Styrene	ND		1.0	0.73	ug/L			06/15/16 16:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/15/16 16:26	1
Toluene	ND		1.0	0.51	ug/L			06/15/16 16:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/15/16 16:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/15/16 16:26	1
Trichloroethene	ND		1.0	0.46	ug/L			06/15/16 16:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/15/16 16:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/15/16 16:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/15/16 16:26	1

Client Sample ID: SB-RINSEBLANK4

Lab Sample ID: 480-101358-1
Date Collected: 06/08/16 11:40
Matrix: Water
Date Received: 06/09/16 01:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*06/15/16 16:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*06/15/16 16:26*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*06/15/16 16:26*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-101358-2
Date Collected: 06/08/16 11:00
Matrix: Water
Date Received: 06/09/16 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/15/16 17:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/15/16 17:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/15/16 17:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/15/16 17:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/15/16 17:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/15/16 17:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/15/16 17:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/15/16 17:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/15/16 17:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/15/16 17:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/15/16 17:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/15/16 17:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/15/16 17:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/15/16 17:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/15/16 17:53	1
2-Hexanone	ND		5.0	1.2	ug/L			06/15/16 17:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/15/16 17:53	1
Acetone	ND		10	3.0	ug/L			06/15/16 17:53	1
Benzene	ND		1.0	0.41	ug/L			06/15/16 17:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/15/16 17:53	1
Bromoform	ND		1.0	0.26	ug/L			06/15/16 17:53	1
Bromomethane	ND		1.0	0.69	ug/L			06/15/16 17:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/15/16 17:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/15/16 17:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/15/16 17:53	1
Chloroethane	ND		1.0	0.32	ug/L			06/15/16 17:53	1
Chloroform	ND		1.0	0.34	ug/L			06/15/16 17:53	1
Chloromethane	ND		1.0	0.35	ug/L			06/15/16 17:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/15/16 17:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/15/16 17:53	1
Cyclohexane	ND		1.0	0.18	ug/L			06/15/16 17:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/15/16 17:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/15/16 17:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/15/16 17:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/15/16 17:53	1
Methyl acetate	ND		2.5	1.3	ug/L			06/15/16 17:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/15/16 17:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/15/16 17:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/15/16 17:53	1
Styrene	ND		1.0	0.73	ug/L			06/15/16 17:53	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-101358-2

Date Collected: 06/08/16 11:00
Matrix: Water
Date Received: 06/09/16 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			06/15/16 17:53	1
Toluene	ND		1.0	0.51	ug/L			06/15/16 17:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/15/16 17:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/15/16 17:53	1
Trichloroethene	ND		1.0	0.46	ug/L			06/15/16 17:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/15/16 17:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/15/16 17:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/15/16 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*06/15/16 17:53*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*06/15/16 17:53*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*06/15/16 17:53*	*1*

Client Sample ID: B104-AREA2-S1
Lab Sample ID: 480-101358-3

Date Collected: 06/08/16 10:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 89.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,1,2-Trichloroethane	ND		5.4	0.71	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,2-Dibromoethane	ND		5.4	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
1,4-Dichlorobenzene	ND	*	5.4	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Acetone	ND		27	4.6	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Benzene	ND		5.4	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Carbon tetrachloride	ND		5.4	0.53	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Chlorobenzene	ND		5.4	0.72	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Chloroform	ND		5.4	0.34	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1

Client Sample ID: B104-AREA2-S1

Lab Sample ID: 480-101358-3
Date Collected: 06/08/16 10:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 89.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Isopropylbenzene	ND	*	5.4	0.82	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Methylcyclohexane	ND		5.4	0.83	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Methylene Chloride	**3.6**	**J**	5.4	2.5	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Styrene	ND		5.4	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Toluene	ND		5.4	0.41	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	06/13/16 11:00	06/13/16 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*06/13/16 11:00*	*06/13/16 16:00*	*1*
4-Bromofluorobenzene (Surr)	*75*		*72 - 126*	*06/13/16 11:00*	*06/13/16 16:00*	*1*
Toluene-d8 (Surr)	*111*		*71 - 125*	*06/13/16 11:00*	*06/13/16 16:00*	*1*

Client Sample ID: B104-AREA2-S2

Lab Sample ID: 480-101358-4
Date Collected: 06/08/16 10:40
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	5.4	0.39	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.4	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,1,2-Trichloroethane	ND	*	5.4	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,1-Dichloroethane	ND	*	5.4	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,1-Dichloroethene	ND	*	5.4	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,2,4-Trichlorobenzene	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,2-Dibromoethane	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,2-Dichlorobenzene	ND	*	5.4	0.42	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,2-Dichloroethane	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,2-Dichloropropane	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,3-Dichlorobenzene	ND	*	5.4	0.28	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
1,4-Dichlorobenzene	ND	*	5.4	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
2-Butanone (MEK)	ND	*	27	2.0	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
2-Hexanone	ND	*	27	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Acetone	ND	*	27	4.6	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Benzene	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Bromodichloromethane	ND	*	5.4	0.72	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1

Client Sample ID: B104-AREA2-S2

Lab Sample ID: 480-101358-4
Date Collected: 06/08/16 10:40
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 92.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Bromomethane	ND	*	5.4	0.49	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Carbon disulfide	ND	*	5.4	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Carbon tetrachloride	ND	*	5.4	0.52	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Chlorobenzene	ND	*	5.4	0.71	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Chloroethane	ND	*	5.4	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Chloroform	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Chloromethane	ND	*	5.4	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
cis-1,2-Dichloroethene	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
cis-1,3-Dichloropropene	ND	*	5.4	0.78	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Cyclohexane	ND	*	5.4	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Dibromochloromethane	ND	*	5.4	0.69	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Dichlorodifluoromethane	ND	*	5.4	0.45	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Ethylbenzene	ND	*	5.4	0.37	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Isopropylbenzene	ND	*	5.4	0.82	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Methyl acetate	ND	*	5.4	3.3	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Methyl tert-butyl ether	ND	*	5.4	0.53	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Methylcyclohexane	ND	*	5.4	0.82	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Methylene Chloride	**6.1**	*	5.4	2.5	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Styrene	ND	*	5.4	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Tetrachloroethene	ND	*	5.4	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Toluene	ND	*	5.4	0.41	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
trans-1,2-Dichloroethene	ND	*	5.4	0.56	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
trans-1,3-Dichloropropene	ND	*	5.4	2.4	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Trichloroethene	ND	*	5.4	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Trichlorofluoromethane	ND	*	5.4	0.51	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Vinyl chloride	ND	*	5.4	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	06/13/16 11:00	06/13/16 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*	*	*64 - 126*	*06/13/16 11:00*	*06/13/16 16:25*	*1*
4-Bromofluorobenzene (Surr)	*53*	*X *	*72 - 126*	*06/13/16 11:00*	*06/13/16 16:25*	*1*
Toluene-d8 (Surr)	*165*	*X *	*71 - 125*	*06/13/16 11:00*	*06/13/16 16:25*	*1*

Client Sample ID: B105-AREA2-S1

Lab Sample ID: 480-101358-5
Date Collected: 06/08/16 11:00
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 91.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	31	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,1,2,2-Tetrachloroethane	ND		110	18	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	57	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,1,2-Trichloroethane	ND		110	24	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,1-Dichloroethane	ND		110	35	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,1-Dichloroethene	ND		110	39	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,2,4-Trichlorobenzene	ND		110	43	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,2-Dibromo-3-Chloropropane	ND		110	57	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,2-Dibromoethane	ND		110	20	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,2-Dichlorobenzene	ND		110	29	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1

Client Sample ID: B105-AREA2-S1

Date Collected: 06/08/16 11:00
Date Received: 06/09/16 01:30

Lab Sample ID: 480-101358-5

Matrix: Solid
Percent Solids: 91.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		110	46	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,2-Dichloropropane	ND		110	18	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,3-Dichlorobenzene	ND		110	30	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
1,4-Dichlorobenzene	ND		110	16	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
2-Butanone (MEK)	ND		570	340	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
2-Hexanone	ND		570	230	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
4-Methyl-2-pentanone (MIBK)	ND		570	36	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Acetone	ND		570	470	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Benzene	ND		110	22	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Bromodichloromethane	ND		110	23	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Bromoform	ND		110	57	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Bromomethane	ND		110	25	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Carbon disulfide	ND		110	52	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Carbon tetrachloride	ND		110	29	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Chlorobenzene	ND		110	15	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Chloroethane	ND		110	24	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Chloroform	ND		110	78	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Chloromethane	ND		110	27	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
cis-1,2-Dichloroethene	**170**		110	31	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
cis-1,3-Dichloropropene	ND		110	27	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Cyclohexane	ND		110	25	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Dibromochloromethane	ND		110	55	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Dichlorodifluoromethane	ND		110	50	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Ethylbenzene	ND		110	33	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Isopropylbenzene	ND		110	17	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Methyl acetate	ND		110	54	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Methyl tert-butyl ether	ND		110	43	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Methylcyclohexane	ND		110	53	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Methylene Chloride	ND		110	22	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Styrene	ND		110	27	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Tetrachloroethene	**76000**	**E**	110	15	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Toluene	**36**	**J**	110	30	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
trans-1,2-Dichloroethene	ND		110	27	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
trans-1,3-Dichloropropene	ND		110	11	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Trichloroethene	**2100**		110	32	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Trichlorofluoromethane	ND		110	53	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Vinyl chloride	ND		110	38	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1
Xylenes, Total	ND		230	63	ug/Kg	☼	06/13/16 15:30	06/14/16 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*06/13/16 15:30*	*06/14/16 02:45*	*1*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*06/13/16 15:30*	*06/14/16 02:45*	*1*
Toluene-d8 (Surr)	*91*		*50 - 149*	*06/13/16 15:30*	*06/14/16 02:45*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1100	310	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,1,2,2-Tetrachloroethane	ND	F1	1100	180	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	1100	570	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,1,2-Trichloroethane	ND	F1	1100	240	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10

Client Sample ID: B105-AREA2-S1

Date Collected: 06/08/16 11:00
Date Received: 06/09/16 01:30

Lab Sample ID: 480-101358-5

Matrix: Solid
Percent Solids: 91.3

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND	F1	1100	350	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,1-Dichloroethene	ND	F1	1100	390	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,2,4-Trichlorobenzene	ND	F1	1100	430	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,2-Dibromo-3-Chloropropane	ND	F1	1100	570	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,2-Dibromoethane	ND	F1	1100	200	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,2-Dichlorobenzene	ND	F1	1100	290	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,2-Dichloroethane	ND	F1	1100	460	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,2-Dichloropropane	ND	F1	1100	180	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,3-Dichlorobenzene	ND	F1	1100	300	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
1,4-Dichlorobenzene	ND	F1	1100	160	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
2-Butanone (MEK)	ND	F1	5700	3400	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
2-Hexanone	ND	F1	5700	2300	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
4-Methyl-2-pentanone (MIBK)	ND	F1	5700	360	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Acetone	ND	F1	5700	4700	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Benzene	ND	F1	1100	220	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Bromodichloromethane	ND	F1	1100	230	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Bromoform	ND	F1	1100	570	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Bromomethane	ND		1100	250	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Carbon disulfide	ND	F1	1100	520	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Carbon tetrachloride	ND	F1	1100	290	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Chlorobenzene	ND	F1	1100	150	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Chloroethane	ND		1100	240	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Chloroform	ND	F1	1100	780	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Chloromethane	ND		1100	270	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
cis-1,2-Dichloroethene	ND	F1	1100	310	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
cis-1,3-Dichloropropene	ND	F1	1100	270	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Cyclohexane	ND	F1	1100	250	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Dibromochloromethane	ND	F1	1100	550	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Dichlorodifluoromethane	ND		1100	500	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Ethylbenzene	ND	F1	1100	330	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Isopropylbenzene	ND	F1	1100	170	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Methyl acetate	ND	F1	1100	540	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Methyl tert-butyl ether	ND	F1	1100	430	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Methylcyclohexane	ND	F1	1100	530	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Methylene Chloride	ND	F1	1100	220	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Styrene	ND	F1	1100	270	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Tetrachloroethene	**86000**		1100	150	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Toluene	ND	F1	1100	300	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
trans-1,2-Dichloroethene	ND	F1	1100	270	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
trans-1,3-Dichloropropene	ND	F1	1100	110	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Trichloroethene	**2000**	**F1**	1100	320	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Trichlorofluoromethane	ND		1100	530	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Vinyl chloride	ND		1100	380	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10
Xylenes, Total	ND	F1	2300	630	ug/Kg	☼	06/13/16 15:30	06/14/16 18:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*53 - 146*	*06/13/16 15:30*	*06/14/16 18:57*	*10*
4-Bromofluorobenzene (Surr)	*119*		*49 - 148*	*06/13/16 15:30*	*06/14/16 18:57*	*10*
Toluene-d8 (Surr)	*89*		*50 - 149*	*06/13/16 15:30*	*06/14/16 18:57*	*10*

Client Sample ID: B105-AREA2-S2
Lab Sample ID: 480-101358-6
Date Collected: 06/08/16 11:05
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 90.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,1,2,2-Tetrachloroethane	ND	*	5.5	0.89	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,1,2-Trichloroethane	ND	*	5.5	0.72	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,1-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,1-Dichloroethene	ND		5.5	0.67	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,2,4-Trichlorobenzene	ND	*	5.5	0.34	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,2-Dibromoethane	ND	*	5.5	0.71	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,2-Dichlorobenzene	ND	*	5.5	0.43	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,2-Dichloroethane	ND		5.5	0.28	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,2-Dichloropropane	ND		5.5	2.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,3-Dichlorobenzene	ND	*	5.5	0.28	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
1,4-Dichlorobenzene	ND	*	5.5	0.77	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
2-Butanone (MEK)	ND		28	2.0	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
2-Hexanone	ND	*	28	2.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
4-Methyl-2-pentanone (MIBK)	ND	*	28	1.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Acetone	ND		28	4.6	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Benzene	ND		5.5	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Bromodichloromethane	ND		5.5	0.74	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Bromoform	ND	*	5.5	2.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Bromomethane	ND		5.5	0.50	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Carbon disulfide	ND		5.5	2.8	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Carbon tetrachloride	ND		5.5	0.53	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Chlorobenzene	ND	*	5.5	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Chloroethane	ND		5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
cis-1,2-Dichloroethene	ND		5.5	0.71	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
cis-1,3-Dichloropropene	ND		5.5	0.79	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Cyclohexane	ND		5.5	0.77	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Dibromochloromethane	ND	*	5.5	0.71	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Dichlorodifluoromethane	ND		5.5	0.46	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Ethylbenzene	ND	*	5.5	0.38	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Isopropylbenzene	ND	*	5.5	0.83	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Methyl acetate	ND		5.5	3.3	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Methylcyclohexane	ND		5.5	0.84	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Methylene Chloride	**10**		5.5	2.5	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Styrene	ND	*	5.5	0.28	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Tetrachloroethene	**15**	*	5.5	0.74	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Toluene	ND	*	5.5	0.42	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
trans-1,3-Dichloropropene	ND	*	5.5	2.4	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Vinyl chloride	ND		5.5	0.67	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1
Xylenes, Total	ND		11	0.93	ug/Kg	☼	06/13/16 11:00	06/13/16 16:51	1

Client Sample ID: B105-AREA2-S2

Lab Sample ID: 480-101358-6

Date Collected: 06/08/16 11:05
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	06/13/16 11:00	06/13/16 16:51	1
4-Bromofluorobenzene (Surr)	46	X *	72 - 126	06/13/16 11:00	06/13/16 16:51	1
Toluene-d8 (Surr)	149	X *	71 - 125	06/13/16 11:00	06/13/16 16:51	1

Client Sample ID: B106-AREA2-S1

Lab Sample ID: 480-101358-7

Date Collected: 06/08/16 11:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,1,2,2-Tetrachloroethane	ND	*	5.5	0.88	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,1,2-Trichloroethane	ND		5.5	0.71	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,1-Dichloroethane	ND		5.5	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,1-Dichloroethene	ND		5.5	0.67	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,2,4-Trichlorobenzene	ND	*	5.5	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,2-Dibromoethane	ND		5.5	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,2-Dichlorobenzene	ND	*	5.5	0.43	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,2-Dichloroethane	ND		5.5	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,2-Dichloropropane	ND		5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,3-Dichlorobenzene	ND	*	5.5	0.28	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
1,4-Dichlorobenzene	ND	*	5.5	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Acetone	ND		27	4.6	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Benzene	ND		5.5	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Bromodichloromethane	ND		5.5	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Bromoform	ND		5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Bromomethane	ND		5.5	0.49	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Carbon disulfide	ND		5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Carbon tetrachloride	ND		5.5	0.53	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Chlorobenzene	ND		5.5	0.72	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Chloroethane	ND		5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
cis-1,2-Dichloroethene	**110**		5.5	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
cis-1,3-Dichloropropene	ND		5.5	0.78	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Cyclohexane	ND		5.5	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Dibromochloromethane	ND		5.5	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Dichlorodifluoromethane	ND		5.5	0.45	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Ethylbenzene	ND		5.5	0.38	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Isopropylbenzene	ND	*	5.5	0.82	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Methyl acetate	ND		5.5	3.3	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Methylcyclohexane	ND		5.5	0.83	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Methylene Chloride	ND		5.5	2.5	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Styrene	ND		5.5	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1

Client Sample ID: B106-AREA2-S1
Lab Sample ID: 480-101358-7
Date Collected: 06/08/16 11:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.5	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Toluene	ND		5.5	0.41	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
trans-1,2-Dichloroethene	ND		5.5	0.56	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Vinyl chloride	**4.3**	**J**	5.5	0.66	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1
Xylenes, Total	ND		11	0.92	ug/Kg	☼	06/13/16 11:00	06/13/16 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*06/13/16 11:00*	*06/13/16 17:16*	*1*
4-Bromofluorobenzene (Surr)	*77*		*72 - 126*	*06/13/16 11:00*	*06/13/16 17:16*	*1*
Toluene-d8 (Surr)	*113*		*71 - 125*	*06/13/16 11:00*	*06/13/16 17:16*	*1*

Client Sample ID: B106-AREA2-S2
Lab Sample ID: 480-101358-8
Date Collected: 06/08/16 11:35
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.2	0.38	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,1,2,2-Tetrachloroethane	ND	*	5.2	0.85	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,1,2-Trichloroethane	ND	*	5.2	0.68	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,1-Dichloroethane	ND		5.2	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,1-Dichloroethene	ND		5.2	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,2,4-Trichlorobenzene	ND	*	5.2	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,2-Dibromoethane	ND	*	5.2	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,2-Dichlorobenzene	ND	*	5.2	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,2-Dichloroethane	ND		5.2	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,2-Dichloropropane	ND		5.2	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,3-Dichlorobenzene	ND	*	5.2	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
1,4-Dichlorobenzene	ND	*	5.2	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
2-Butanone (MEK)	ND		26	1.9	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
2-Hexanone	ND	*	26	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Acetone	ND		26	4.4	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Benzene	ND		5.2	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Bromodichloromethane	ND		5.2	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Bromoform	ND	*	5.2	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Bromomethane	ND		5.2	0.47	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Carbon disulfide	ND		5.2	2.6	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Carbon tetrachloride	ND		5.2	0.50	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Chlorobenzene	ND	*	5.2	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Chloroethane	ND		5.2	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Chloroform	ND		5.2	0.32	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Chloromethane	ND		5.2	0.31	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
cis-1,2-Dichloroethene	ND		5.2	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
cis-1,3-Dichloropropene	ND		5.2	0.75	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1

Client Sample ID: B106-AREA2-S2
Lab Sample ID: 480-101358-8

Date Collected: 06/08/16 11:35
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 94.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.2	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Dibromochloromethane	ND	*	5.2	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Dichlorodifluoromethane	ND		5.2	0.43	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Ethylbenzene	ND	*	5.2	0.36	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Isopropylbenzene	ND	*	5.2	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Methyl acetate	ND		5.2	3.1	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Methyl tert-butyl ether	ND		5.2	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Methylcyclohexane	ND		5.2	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Methylene Chloride	**5.6**		5.2	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Styrene	ND	*	5.2	0.26	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Tetrachloroethene	ND	*	5.2	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Toluene	**0.86**	**J ***	5.2	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
trans-1,2-Dichloroethene	ND		5.2	0.54	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
trans-1,3-Dichloropropene	ND	*	5.2	2.3	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Trichloroethene	ND		5.2	1.1	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Trichlorofluoromethane	ND		5.2	0.49	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Vinyl chloride	ND		5.2	0.64	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1
Xylenes, Total	ND		10	0.88	ug/Kg	☼	06/13/16 21:05	06/14/16 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*06/13/16 21:05*	*06/14/16 01:30*	*1*
4-Bromofluorobenzene (Surr)	*51*	*X **	*72 - 126*	*06/13/16 21:05*	*06/14/16 01:30*	*1*
Toluene-d8 (Surr)	*146*	*X **	*71 - 125*	*06/13/16 21:05*	*06/14/16 01:30*	*1*

Client Sample ID: B107-AREA2-S1
Lab Sample ID: 480-101358-9

Date Collected: 06/08/16 10:05
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 89.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.89	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,1,2-Trichloroethane	ND		5.5	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,1-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,1-Dichloroethene	ND		5.5	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,2,4-Trichlorobenzene	ND		5.5	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,2-Dibromo-3-Chloropropane	ND		5.5	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,2-Dibromoethane	ND		5.5	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,2-Dichlorobenzene	ND		5.5	0.43	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,2-Dichloroethane	ND		5.5	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,2-Dichloropropane	ND		5.5	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,3-Dichlorobenzene	ND		5.5	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
1,4-Dichlorobenzene	ND		5.5	0.77	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Acetone	ND		27	4.6	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Benzene	ND		5.5	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Bromodichloromethane	ND		5.5	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1

Client Sample ID: B107-AREA2-S1
Lab Sample ID: 480-101358-9

Date Collected: 06/08/16 10:05
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 89.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.5	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Bromomethane	ND		5.5	0.49	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Carbon disulfide	ND		5.5	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Carbon tetrachloride	ND		5.5	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Chlorobenzene	ND		5.5	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Chloroethane	ND		5.5	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
cis-1,2-Dichloroethene	**0.87**	**J**	5.5	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
cis-1,3-Dichloropropene	ND		5.5	0.79	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Cyclohexane	ND		5.5	0.77	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Dibromochloromethane	ND		5.5	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Dichlorodifluoromethane	ND		5.5	0.45	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Ethylbenzene	ND		5.5	0.38	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Isopropylbenzene	ND		5.5	0.83	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Methyl acetate	ND		5.5	3.3	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Methylcyclohexane	ND		5.5	0.84	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Methylene Chloride	ND		5.5	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Styrene	ND		5.5	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Tetrachloroethene	ND		5.5	0.74	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Toluene	ND		5.5	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
trans-1,2-Dichloroethene	ND		5.5	0.57	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
trans-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Trichloroethene	ND		5.5	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Vinyl chloride	ND		5.5	0.67	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1
Xylenes, Total	ND		11	0.92	ug/Kg	☼	06/13/16 21:05	06/14/16 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*06/13/16 21:05*	*06/14/16 01:55*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*06/13/16 21:05*	*06/14/16 01:55*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*06/13/16 21:05*	*06/14/16 01:55*	*1*

Client Sample ID: B107-AREA2-S2
Lab Sample ID: 480-101358-10

Date Collected: 06/08/16 10:15
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 81.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	6.2	0.45	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,1,2,2-Tetrachloroethane	ND	* F1	6.2	1.0	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	1.4	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,1,2-Trichloroethane	ND	* F1	6.2	0.80	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,1-Dichloroethane	ND	F1	6.2	0.75	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,1-Dichloroethene	ND		6.2	0.75	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,2,4-Trichlorobenzene	ND	* F1	6.2	0.37	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,2-Dibromo-3-Chloropropane	ND	* F1	6.2	3.1	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,2-Dibromoethane	ND	* F1	6.2	0.79	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,2-Dichlorobenzene	ND	* F1	6.2	0.48	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1

Client Sample ID: B107-AREA2-S2
Lab Sample ID: 480-101358-10
Date Collected: 06/08/16 10:15
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 81.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND	F1	6.2	0.31	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,2-Dichloropropane	ND	F1	6.2	3.1	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,3-Dichlorobenzene	ND	* F1 F2	6.2	0.32	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
1,4-Dichlorobenzene	ND	* F1 F2	6.2	0.86	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
2-Butanone (MEK)	ND	F1	31	2.3	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
2-Hexanone	ND	* F1	31	3.1	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
4-Methyl-2-pentanone (MIBK)	ND	* F1	31	2.0	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Acetone	**11**	**J**	31	5.2	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Benzene	ND	F1	6.2	0.30	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Bromodichloromethane	ND	F1	6.2	0.83	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Bromoform	ND	* F1	6.2	3.1	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Bromomethane	ND		6.2	0.55	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Carbon disulfide	ND	F1	6.2	3.1	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Carbon tetrachloride	ND	F1	6.2	0.60	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Chlorobenzene	ND	* F1	6.2	0.81	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Chloroethane	ND	F1	6.2	1.4	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Chloroform	ND	F1	6.2	0.38	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Chloromethane	ND		6.2	0.37	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
cis-1,2-Dichloroethene	ND	F1	6.2	0.79	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
cis-1,3-Dichloropropene	ND	F1	6.2	0.89	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Cyclohexane	ND	F1	6.2	0.86	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Dibromochloromethane	ND	* F1	6.2	0.79	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Dichlorodifluoromethane	ND		6.2	0.51	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Ethylbenzene	ND	* F1	6.2	0.43	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Isopropylbenzene	ND	* F1	6.2	0.93	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Methyl acetate	ND		6.2	3.7	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Methyl tert-butyl ether	ND		6.2	0.60	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Methylcyclohexane	ND	F1	6.2	0.94	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Methylene Chloride	**11**	**F1**	6.2	2.8	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Styrene	ND	* F1	6.2	0.31	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Tetrachloroethene	ND	* F1	6.2	0.83	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Toluene	ND	* F1	6.2	0.47	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
trans-1,2-Dichloroethene	ND	F1	6.2	0.64	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
trans-1,3-Dichloropropene	ND	* F1	6.2	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Trichloroethene	ND	F1	6.2	1.4	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Trichlorofluoromethane	ND	F1	6.2	0.58	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Vinyl chloride	ND		6.2	0.75	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1
Xylenes, Total	ND	F1	12	1.0	ug/Kg	☼	06/13/16 11:00	06/13/16 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*06/13/16 11:00*	*06/13/16 17:42*	*1*
4-Bromofluorobenzene (Surr)	*56*	*X	*72 - 126*	*06/13/16 11:00*	*06/13/16 17:42*	*1*
Toluene-d8 (Surr)	*134*	*X	*71 - 125*	*06/13/16 11:00*	*06/13/16 17:42*	*1*

Client Sample ID: B-POLEBARN-DUP6
Lab Sample ID: 480-101358-11

Date Collected: 06/08/16 11:10
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 91.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.88	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,1,2-Trichloroethane	ND		5.4	0.71	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,1-Dichloroethane	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,2-Dibromoethane	ND		5.4	0.70	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
1,4-Dichlorobenzene	ND		5.4	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
2-Butanone (MEK)	ND		27	2.0	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Acetone	ND		27	4.6	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Benzene	ND		5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Bromodichloromethane	ND		5.4	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Bromomethane	ND		5.4	0.49	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Carbon tetrachloride	ND		5.4	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Chlorobenzene	ND		5.4	0.72	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Chloroform	ND		5.4	0.34	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Chloromethane	ND		5.4	0.33	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
cis-1,3-Dichloropropene	ND		5.4	0.78	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Cyclohexane	ND		5.4	0.76	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Dichlorodifluoromethane	ND		5.4	0.45	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Isopropylbenzene	ND		5.4	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Methyl acetate	ND		5.4	3.3	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Methylcyclohexane	ND		5.4	0.82	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Methylene Chloride	**5.4**		5.4	2.5	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Styrene	ND		5.4	0.27	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Tetrachloroethene	ND		5.4	0.73	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Toluene	ND		5.4	0.41	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
trans-1,2-Dichloroethene	ND		5.4	0.56	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Vinyl chloride	ND		5.4	0.66	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1
Xylenes, Total	ND		11	0.91	ug/Kg	☼	06/13/16 21:05	06/14/16 02:21	1

Client Sample ID: B-POLEBARN-DUP6

Lab Sample ID: 480-101358-11

Date Collected: 06/08/16 11:10
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 91.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 126*	*06/13/16 21:05*	*06/14/16 02:21*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*06/13/16 21:05*	*06/14/16 02:21*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*06/13/16 21:05*	*06/14/16 02:21*	*1*

Client Sample ID: B108-AREA2-S1

Lab Sample ID: 480-101358-12

Date Collected: 06/08/16 09:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	0.40	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,1,2,2-Tetrachloroethane	ND	F1	5.5	0.88	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,1,2-Trichloroethane	ND	F1	5.5	0.71	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,1-Dichloroethane	ND		5.5	0.67	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,1-Dichloroethene	ND		5.5	0.67	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,2,4-Trichlorobenzene	ND	F1 F2	5.5	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,2-Dibromo-3-Chloropropane	ND		5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,2-Dibromoethane	ND	F1	5.5	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,2-Dichlorobenzene	ND	F1	5.5	0.43	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,2-Dichloroethane	ND		5.5	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,2-Dichloropropane	ND	F1	5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,3-Dichlorobenzene	ND	F2 F1	5.5	0.28	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
1,4-Dichlorobenzene	ND	F2 F1	5.5	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
2-Butanone (MEK)	ND	F1	27	2.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
2-Hexanone	ND	F1	27	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Acetone	ND		27	4.6	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Benzene	ND	F1	5.5	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Bromodichloromethane	ND	F1	5.5	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Bromoform	ND	F1	5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Bromomethane	ND		5.5	0.49	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Carbon disulfide	ND		5.5	2.7	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Carbon tetrachloride	ND		5.5	0.53	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Chlorobenzene	ND	F1	5.5	0.72	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Chloroethane	ND		5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Chloroform	ND		5.5	0.34	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Chloromethane	ND		5.5	0.33	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
cis-1,2-Dichloroethene	ND	F1	5.5	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
cis-1,3-Dichloropropene	ND	F1	5.5	0.79	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Cyclohexane	ND	F1	5.5	0.76	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Dibromochloromethane	ND	F1	5.5	0.70	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Dichlorodifluoromethane	ND		5.5	0.45	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Ethylbenzene	ND	F1	5.5	0.38	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Isopropylbenzene	ND	F1 F2	5.5	0.82	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Methyl acetate	ND		5.5	3.3	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Methyl tert-butyl ether	ND		5.5	0.54	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Methylcyclohexane	ND	F1	5.5	0.83	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Methylene Chloride	ND		5.5	2.5	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Styrene	ND	F1	5.5	0.27	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1

Client Sample ID: B108-AREA2-S1

Lab Sample ID: 480-101358-12
Date Collected: 06/08/16 09:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND	F2 F1	5.5	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Toluene	ND	F1	5.5	0.41	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
trans-1,2-Dichloroethene	ND	F1	5.5	0.56	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
trans-1,3-Dichloropropene	ND	F1	5.5	2.4	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Trichloroethene	ND	F1	5.5	1.2	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Trichlorofluoromethane	ND		5.5	0.52	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Vinyl chloride	ND		5.5	0.67	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1
Xylenes, Total	ND	F1	11	0.92	ug/Kg	☼	06/13/16 11:00	06/13/16 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*06/13/16 11:00*	*06/13/16 19:25*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*06/13/16 11:00*	*06/13/16 19:25*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*06/13/16 11:00*	*06/13/16 19:25*	*1*

Client Sample ID: B108-AREA2-S2

Lab Sample ID: 480-101358-13
Date Collected: 06/08/16 09:45
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 82.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.0	0.44	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,1,2,2-Tetrachloroethane	ND		6.0	0.97	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.4	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,1,2-Trichloroethane	ND		6.0	0.78	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,1-Dichloroethane	ND		6.0	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,1-Dichloroethene	ND		6.0	0.74	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,2,4-Trichlorobenzene	ND		6.0	0.37	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,2-Dibromoethane	ND		6.0	0.77	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,2-Dichlorobenzene	ND		6.0	0.47	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,2-Dichloroethane	ND		6.0	0.30	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,2-Dichloropropane	ND		6.0	3.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,3-Dichlorobenzene	ND		6.0	0.31	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
1,4-Dichlorobenzene	ND		6.0	0.84	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
2-Butanone (MEK)	ND		30	2.2	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
2-Hexanone	ND		30	3.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Acetone	**13**	**J**	30	5.1	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Benzene	ND		6.0	0.29	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Bromodichloromethane	ND		6.0	0.81	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Bromomethane	ND		6.0	0.54	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Carbon disulfide	ND		6.0	3.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Carbon tetrachloride	ND		6.0	0.58	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Chlorobenzene	ND		6.0	0.79	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Chloroethane	ND		6.0	1.4	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Chloroform	ND		6.0	0.37	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Chloromethane	ND		6.0	0.36	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
cis-1,2-Dichloroethene	ND		6.0	0.77	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
cis-1,3-Dichloropropene	ND		6.0	0.87	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1

Client Sample ID: B108-AREA2-S2
Lab Sample ID: 480-101358-13
Date Collected: 06/08/16 09:45
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 82.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		6.0	0.84	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Dibromochloromethane	ND		6.0	0.77	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Dichlorodifluoromethane	ND		6.0	0.50	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Ethylbenzene	ND		6.0	0.41	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Isopropylbenzene	ND		6.0	0.91	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Methyl acetate	ND		6.0	3.6	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Methyl tert-butyl ether	ND		6.0	0.59	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Methylcyclohexane	ND		6.0	0.91	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Methylene Chloride	**10**		6.0	2.8	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Styrene	ND		6.0	0.30	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Tetrachloroethene	ND		6.0	0.81	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Toluene	ND		6.0	0.45	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
trans-1,2-Dichloroethene	ND		6.0	0.62	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
trans-1,3-Dichloropropene	ND		6.0	2.6	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Trichloroethene	ND		6.0	1.3	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Trichlorofluoromethane	ND		6.0	0.57	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Vinyl chloride	ND		6.0	0.73	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1
Xylenes, Total	ND		12	1.0	ug/Kg	☼	06/13/16 11:00	06/13/16 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*06/13/16 11:00*	*06/13/16 19:50*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*06/13/16 11:00*	*06/13/16 19:50*	*1*
Toluene-d8 (Surr)	*102*		*71 - 125*	*06/13/16 11:00*	*06/13/16 19:50*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	1.0	0.82	ug/L	8260C
1,1,2,2-Tetrachloroethane	1.0	0.21	ug/L	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	0.31	ug/L	8260C
1,1,2-Trichloroethane	1.0	0.23	ug/L	8260C
1,1-Dichloroethane	1.0	0.38	ug/L	8260C
1,1-Dichloroethene	1.0	0.29	ug/L	8260C
1,2,4-Trichlorobenzene	1.0	0.41	ug/L	8260C
1,2-Dibromo-3-Chloropropane	1.0	0.39	ug/L	8260C
1,2-Dibromoethane	1.0	0.73	ug/L	8260C
1,2-Dichlorobenzene	1.0	0.79	ug/L	8260C
1,2-Dichloroethane	1.0	0.21	ug/L	8260C
1,2-Dichloropropane	1.0	0.72	ug/L	8260C
1,3-Dichlorobenzene	1.0	0.78	ug/L	8260C
1,4-Dichlorobenzene	1.0	0.84	ug/L	8260C
2-Butanone (MEK)	10	1.3	ug/L	8260C
2-Hexanone	5.0	1.2	ug/L	8260C
4-Methyl-2-pentanone (MIBK)	5.0	2.1	ug/L	8260C
Acetone	10	3.0	ug/L	8260C
Benzene	1.0	0.41	ug/L	8260C
Bromodichloromethane	1.0	0.39	ug/L	8260C
Bromoform	1.0	0.26	ug/L	8260C
Bromomethane	1.0	0.69	ug/L	8260C
Carbon disulfide	1.0	0.19	ug/L	8260C
Carbon tetrachloride	1.0	0.27	ug/L	8260C
Chlorobenzene	1.0	0.75	ug/L	8260C
Chloroethane	1.0	0.32	ug/L	8260C
Chloroform	1.0	0.34	ug/L	8260C
Chloromethane	1.0	0.35	ug/L	8260C
cis-1,2-Dichloroethene	1.0	0.81	ug/L	8260C
cis-1,3-Dichloropropene	1.0	0.36	ug/L	8260C
Cyclohexane	1.0	0.18	ug/L	8260C
Dibromochloromethane	1.0	0.32	ug/L	8260C
Dichlorodifluoromethane	1.0	0.68	ug/L	8260C
Ethylbenzene	1.0	0.74	ug/L	8260C
Isopropylbenzene	1.0	0.79	ug/L	8260C
Methyl acetate	2.5	1.3	ug/L	8260C
Methyl tert-butyl ether	1.0	0.16	ug/L	8260C
Methylcyclohexane	1.0	0.16	ug/L	8260C
Methylene Chloride	1.0	0.44	ug/L	8260C
Styrene	1.0	0.73	ug/L	8260C
Tetrachloroethene	1.0	0.36	ug/L	8260C
Toluene	1.0	0.51	ug/L	8260C
trans-1,2-Dichloroethene	1.0	0.90	ug/L	8260C
trans-1,3-Dichloropropene	1.0	0.37	ug/L	8260C
Trichloroethene	1.0	0.46	ug/L	8260C
Trichlorofluoromethane	1.0	0.88	ug/L	8260C
Vinyl chloride	1.0	0.90	ug/L	8260C
Xylenes, Total	2.0	0.66	ug/L	8260C

Method: 8260C - Volatile Organic Compounds by GC/MS
Prep: 5035

Method: 8260C - Volatile Organic Compounds by GC/MS

Prep: 5035

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	5.0	0.36	ug/Kg	8260C
1,1,2,2-Tetrachloroethane	5.0	0.81	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	1.1	ug/Kg	8260C
1,1,2-Trichloroethane	5.0	0.65	ug/Kg	8260C
1,1-Dichloroethane	5.0	0.61	ug/Kg	8260C
1,1-Dichloroethene	5.0	0.61	ug/Kg	8260C
1,2,4-Trichlorobenzene	5.0	0.30	ug/Kg	8260C
1,2-Dibromo-3-Chloropropane	5.0	2.5	ug/Kg	8260C
1,2-Dibromoethane	5.0	0.64	ug/Kg	8260C
1,2-Dichlorobenzene	5.0	0.39	ug/Kg	8260C
1,2-Dichloroethane	5.0	0.25	ug/Kg	8260C
1,2-Dichloropropane	5.0	2.5	ug/Kg	8260C
1,3-Dichlorobenzene	5.0	0.26	ug/Kg	8260C
1,4-Dichlorobenzene	5.0	0.70	ug/Kg	8260C
2-Butanone (MEK)	25	1.8	ug/Kg	8260C
2-Hexanone	25	2.5	ug/Kg	8260C
4-Methyl-2-pentanone (MIBK)	25	1.6	ug/Kg	8260C
Acetone	25	4.2	ug/Kg	8260C
Benzene	5.0	0.25	ug/Kg	8260C
Bromodichloromethane	5.0	0.67	ug/Kg	8260C
Bromoform	5.0	2.5	ug/Kg	8260C
Bromomethane	5.0	0.45	ug/Kg	8260C
Carbon disulfide	5.0	2.5	ug/Kg	8260C
Carbon tetrachloride	5.0	0.48	ug/Kg	8260C
Chlorobenzene	5.0	0.66	ug/Kg	8260C
Chloroethane	5.0	1.1	ug/Kg	8260C
Chloroform	5.0	0.31	ug/Kg	8260C
Chloromethane	5.0	0.30	ug/Kg	8260C
cis-1,2-Dichloroethene	5.0	0.64	ug/Kg	8260C
cis-1,3-Dichloropropene	5.0	0.72	ug/Kg	8260C
Cyclohexane	5.0	0.70	ug/Kg	8260C
Dibromochloromethane	5.0	0.64	ug/Kg	8260C
Dichlorodifluoromethane	5.0	0.41	ug/Kg	8260C
Ethylbenzene	5.0	0.35	ug/Kg	8260C
Isopropylbenzene	5.0	0.75	ug/Kg	8260C
Methyl acetate	5.0	3.0	ug/Kg	8260C
Methyl tert-butyl ether	5.0	0.49	ug/Kg	8260C
Methylcyclohexane	5.0	0.76	ug/Kg	8260C
Methylene Chloride	5.0	2.3	ug/Kg	8260C
Styrene	5.0	0.25	ug/Kg	8260C
Tetrachloroethene	5.0	0.67	ug/Kg	8260C
Toluene	5.0	0.38	ug/Kg	8260C
trans-1,2-Dichloroethene	5.0	0.52	ug/Kg	8260C
trans-1,3-Dichloropropene	5.0	2.2	ug/Kg	8260C
Trichloroethene	5.0	1.1	ug/Kg	8260C
Trichlorofluoromethane	5.0	0.47	ug/Kg	8260C
Vinyl chloride	5.0	0.61	ug/Kg	8260C
Xylenes, Total	10	0.84	ug/Kg	8260C

Method: 8260C - Volatile Organic Compounds by GC/MS

Prep: 5035A

Method: 8260C - Volatile Organic Compounds by GC/MS

Prep: 5035A

Analyte	RL	MDL	Units	Method
1,1,1-Trichloroethane	100	28	ug/Kg	8260C
1,1,2,2-Tetrachloroethane	100	16	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane	100	50	ug/Kg	8260C
1,1,2-Trichloroethane	100	21	ug/Kg	8260C
1,1-Dichloroethane	100	31	ug/Kg	8260C
1,1-Dichloroethene	100	35	ug/Kg	8260C
1,2,4-Trichlorobenzene	100	38	ug/Kg	8260C
1,2-Dibromo-3-Chloropropane	100	50	ug/Kg	8260C
1,2-Dibromoethane	100	18	ug/Kg	8260C
1,2-Dichlorobenzene	100	26	ug/Kg	8260C
1,2-Dichloroethane	100	41	ug/Kg	8260C
1,2-Dichloropropane	100	16	ug/Kg	8260C
1,3-Dichlorobenzene	100	27	ug/Kg	8260C
1,4-Dichlorobenzene	100	14	ug/Kg	8260C
2-Butanone (MEK)	500	300	ug/Kg	8260C
2-Hexanone	500	210	ug/Kg	8260C
4-Methyl-2-pentanone (MIBK)	500	32	ug/Kg	8260C
Acetone	500	410	ug/Kg	8260C
Benzene	100	19	ug/Kg	8260C
Bromodichloromethane	100	20	ug/Kg	8260C
Bromoform	100	50	ug/Kg	8260C
Bromomethane	100	22	ug/Kg	8260C
Carbon disulfide	100	46	ug/Kg	8260C
Carbon tetrachloride	100	26	ug/Kg	8260C
Chlorobenzene	100	13	ug/Kg	8260C
Chloroethane	100	21	ug/Kg	8260C
Chloroform	100	69	ug/Kg	8260C
Chloromethane	100	24	ug/Kg	8260C
cis-1,2-Dichloroethene	100	28	ug/Kg	8260C
cis-1,3-Dichloropropene	100	24	ug/Kg	8260C
Cyclohexane	100	22	ug/Kg	8260C
Dibromochloromethane	100	48	ug/Kg	8260C
Dichlorodifluoromethane	100	44	ug/Kg	8260C
Ethylbenzene	100	29	ug/Kg	8260C
Isopropylbenzene	100	15	ug/Kg	8260C
Methyl acetate	100	48	ug/Kg	8260C
Methyl tert-butyl ether	100	38	ug/Kg	8260C
Methylcyclohexane	100	47	ug/Kg	8260C
Methylene Chloride	100	20	ug/Kg	8260C
Styrene	100	24	ug/Kg	8260C
Tetrachloroethene	100	13	ug/Kg	8260C
Toluene	100	27	ug/Kg	8260C
trans-1,2-Dichloroethene	100	24	ug/Kg	8260C
trans-1,3-Dichloropropene	100	9.8	ug/Kg	8260C
Trichloroethene	100	28	ug/Kg	8260C
Trichlorofluoromethane	100	47	ug/Kg	8260C
Vinyl chloride	100	34	ug/Kg	8260C
Xylenes, Total	200	55	ug/Kg	8260C

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-101358-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (64-126)	BFB (72-126)	TOL (71-125)
480-101358-3	B104-AREA2-S1	101	75	111
480-101358-4	B104-AREA2-S2	117 *	53 X *	165 X *
480-101358-6	B105-AREA2-S2	108	46 X *	149 X *
480-101358-7	B106-AREA2-S1	104	77	113
480-101358-8	B106-AREA2-S2	107	51 X *	146 X *
480-101358-9	B107-AREA2-S1	101	85	106
480-101358-10	B107-AREA2-S2	105	56 * X	134 * X
480-101358-10 MS	B107-AREA2-S2	63 X	113	86
480-101358-10 MSD	B107-AREA2-S2	62 X	115	83
480-101358-11	B-POLEBARN-DUP6	110	94	97
480-101358-12	B108-AREA2-S1	107	95	97
480-101358-12 MS	B108-AREA2-S1	92	67 X	113
480-101358-12 MSD	B108-AREA2-S1	95	72	107
480-101358-13	B108-AREA2-S2	108	95	102
LCS 480-306261/1-A	Lab Control Sample	73	114	83
LCS 480-306409/1-A	Lab Control Sample	102	99	97
LCS 480-306491/1-A	Lab Control Sample	105	100	96
MB 480-306261/2-A	Method Blank	71	115	82
MB 480-306409/2-A	Method Blank	100	100	98
MB 480-306491/2-A	Method Blank	101	96	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (53-146)	BFB (49-148)	TOL (50-149)
480-101358-5	B105-AREA2-S1	96	112	91
480-101358-5 - DL	B105-AREA2-S1	87	119	89
480-101358-5 MS	B105-AREA2-S1	87	116	89
480-101358-5 MSD	B105-AREA2-S1	90	113	88
LCS 480-306454/1-A	Lab Control Sample	94	113	93
MB 480-306454/2-A	Method Blank	93	112	93

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-101358-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	BFB	TOL
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)
480-101358-1	SB-RINSEBLANK4	105	96	96
480-101358-2	TRIP BLANK	108	94	93
LCS 480-306748/5	Lab Control Sample	97	103	100
MB 480-306748/7	Method Blank	98	93	93

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-306261/2-A
Matrix: Solid
Analysis Batch: 306259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.78	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,1,2-Trichloroethane	ND		4.8	0.62	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,1-Dichloroethane	ND		4.8	0.58	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,2-Dibromoethane	ND		4.8	0.61	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,2-Dichlorobenzene	ND		4.8	0.37	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
1,4-Dichlorobenzene	ND		4.8	0.67	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
2-Butanone (MEK)	ND		24	1.8	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
2-Hexanone	ND		24	2.4	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Acetone	ND		24	4.0	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Benzene	ND		4.8	0.23	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Bromodichloromethane	ND		4.8	0.64	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Bromoform	ND		4.8	2.4	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Bromomethane	ND		4.8	0.43	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Carbon disulfide	ND		4.8	2.4	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Carbon tetrachloride	ND		4.8	0.46	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Chlorobenzene	ND		4.8	0.63	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Chloroethane	ND		4.8	1.1	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Chloroform	ND		4.8	0.30	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Chloromethane	ND		4.8	0.29	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
cis-1,2-Dichloroethene	ND		4.8	0.61	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
cis-1,3-Dichloropropene	ND		4.8	0.69	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Cyclohexane	ND		4.8	0.67	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Dibromochloromethane	ND		4.8	0.61	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Ethylbenzene	ND		4.8	0.33	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Isopropylbenzene	ND		4.8	0.72	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Methyl acetate	ND		4.8	2.9	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Methyl tert-butyl ether	ND		4.8	0.47	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Methylcyclohexane	ND		4.8	0.73	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Methylene Chloride	ND		4.8	2.2	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Styrene	ND		4.8	0.24	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Tetrachloroethene	ND		4.8	0.64	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Toluene	ND		4.8	0.36	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
trans-1,2-Dichloroethene	ND		4.8	0.49	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Trichloroethene	ND		4.8	1.1	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Trichlorofluoromethane	ND		4.8	0.45	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Vinyl chloride	ND		4.8	0.58	ug/Kg		06/12/16 22:34	06/12/16 23:59	1
Xylenes, Total	ND		9.6	0.80	ug/Kg		06/12/16 22:34	06/12/16 23:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*71*		*64 - 126*	*06/12/16 22:34*	*06/12/16 23:59*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 126*	*06/12/16 22:34*	*06/12/16 23:59*	*1*
Toluene-d8 (Surr)	*82*		*71 - 125*	*06/12/16 22:34*	*06/12/16 23:59*	*1*

Lab Sample ID: LCS 480-306261/1-A
Matrix: Solid
Analysis Batch: 306259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.1	54.9		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.1	52.0		ug/Kg		104	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.1	52.6		ug/Kg		105	60 - 140
1,1,2-Trichloroethane	50.1	49.6		ug/Kg		99	78 - 122
1,1-Dichloroethane	50.1	50.5		ug/Kg		101	73 - 126
1,1-Dichloroethene	50.1	50.8		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.1	50.9		ug/Kg		102	64 - 120
1,2-Dibromo-3-Chloropropane	50.1	53.4		ug/Kg		107	63 - 124
1,2-Dibromoethane	50.1	51.1		ug/Kg		102	78 - 120
1,2-Dichlorobenzene	50.1	50.5		ug/Kg		101	75 - 120
1,2-Dichloroethane	50.1	52.0		ug/Kg		104	77 - 122
1,2-Dichloropropane	50.1	49.2		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	50.1	51.2		ug/Kg		102	74 - 120
1,4-Dichlorobenzene	50.1	50.5		ug/Kg		101	73 - 120
2-Butanone (MEK)	251	273		ug/Kg		109	70 - 134
2-Hexanone	251	261		ug/Kg		104	59 - 130
4-Methyl-2-pentanone (MIBK)	251	255		ug/Kg		102	65 - 133
Acetone	251	293		ug/Kg		117	61 - 137
Benzene	50.1	51.0		ug/Kg		102	79 - 127
Bromodichloromethane	50.1	52.6		ug/Kg		105	80 - 122
Bromoform	50.1	53.4		ug/Kg		107	68 - 126
Bromomethane	50.1	49.0		ug/Kg		98	37 - 149
Carbon disulfide	50.1	51.0		ug/Kg		102	64 - 131
Carbon tetrachloride	50.1	55.8		ug/Kg		111	75 - 135
Chlorobenzene	50.1	49.2		ug/Kg		98	76 - 124
Chloroethane	50.1	49.9		ug/Kg		100	69 - 135
Chloroform	50.1	52.0		ug/Kg		104	80 - 118
Chloromethane	50.1	49.2		ug/Kg		98	63 - 127
cis-1,2-Dichloroethene	50.1	50.4		ug/Kg		101	81 - 117
cis-1,3-Dichloropropene	50.1	50.5		ug/Kg		101	82 - 120
Cyclohexane	50.1	51.0		ug/Kg		102	65 - 106
Dibromochloromethane	50.1	52.5		ug/Kg		105	76 - 125
Dichlorodifluoromethane	50.1	63.3		ug/Kg		126	57 - 142
Ethylbenzene	50.1	50.4		ug/Kg		101	80 - 120
Isopropylbenzene	50.1	52.2		ug/Kg		104	72 - 120
Methyl acetate	251	260		ug/Kg		104	55 - 136
Methyl tert-butyl ether	50.1	51.8		ug/Kg		103	63 - 125
Methylcyclohexane	50.1	51.7		ug/Kg		103	60 - 140
Methylene Chloride	50.1	50.0		ug/Kg		100	61 - 127
Styrene	50.1	49.3		ug/Kg		98	80 - 120
Tetrachloroethene	50.1	51.6		ug/Kg		103	74 - 122
Toluene	50.1	50.3		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.1	51.0		ug/Kg		102	78 - 126
trans-1,3-Dichloropropene	50.1	51.3		ug/Kg		102	73 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306261/1-A
Matrix: Solid
Analysis Batch: 306259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306261

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichloroethene			50.1	52.3		ug/Kg		104	77 - 129		
Trichlorofluoromethane			50.1	54.4		ug/Kg		109	65 - 146		
Vinyl chloride			50.1	49.7		ug/Kg		99	61 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*73*		*64 - 126*
4-Bromofluorobenzene (Surr)	*114*		*72 - 126*
Toluene-d8 (Surr)	*83*		*71 - 125*

Lab Sample ID: 480-101358-10 MS
Matrix: Solid
Analysis Batch: 306259

Client Sample ID: B107-AREA2-S2
Prep Type: Total/NA
Prep Batch: 306261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND	F1	61.0	44.3	F1	ug/Kg	☼	73	77 - 121		
1,1,2,2-Tetrachloroethane	ND	* F1	61.0	34.1	F1	ug/Kg	☼	56	80 - 120		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		61.0	44.6		ug/Kg	☼	73	60 - 140		
1,1,2-Trichloroethane	ND	* F1	61.0	35.5	F1	ug/Kg	☼	58	78 - 122		
1,1-Dichloroethane	ND	F1	61.0	43.9	F1	ug/Kg	☼	72	73 - 126		
1,1-Dichloroethene	ND		61.0	42.6		ug/Kg	☼	70	59 - 125		
1,2,4-Trichlorobenzene	ND	* F1	61.0	9.90	F1	ug/Kg	☼	16	64 - 120		
1,2-Dibromo-3-Chloropropane	ND	* F1	61.0	25.4	F1	ug/Kg	☼	42	63 - 124		
1,2-Dibromoethane	ND	* F1	61.0	31.0	F1	ug/Kg	☼	51	78 - 120		
1,2-Dichlorobenzene	ND	* F1	61.0	27.3	F1	ug/Kg	☼	45	75 - 120		
1,2-Dichloroethane	ND	F1	61.0	38.0	F1	ug/Kg	☼	62	77 - 122		
1,2-Dichloropropane	ND	F1	61.0	39.2	F1	ug/Kg	☼	64	75 - 124		
1,3-Dichlorobenzene	ND	* F1 F2	61.0	24.7	F1	ug/Kg	☼	41	74 - 120		
1,4-Dichlorobenzene	ND	* F1 F2	61.0	23.9	F1	ug/Kg	☼	39	73 - 120		
2-Butanone (MEK)	ND	F1	305	177	F1	ug/Kg	☼	58	70 - 134		
2-Hexanone	ND	* F1	305	140	F1	ug/Kg	☼	46	59 - 130		
4-Methyl-2-pentanone (MIBK)	ND	* F1	305	166	F1	ug/Kg	☼	54	65 - 133		
Acetone	11	J	305	206		ug/Kg	☼	64	61 - 137		
Benzene	ND	F1	61.0	41.2	F1	ug/Kg	☼	68	79 - 127		
Bromodichloromethane	ND	F1	61.0	39.3	F1	ug/Kg	☼	64	80 - 122		
Bromoform	ND	* F1	61.0	30.1	F1	ug/Kg	☼	49	68 - 126		
Bromomethane	ND		61.0	48.4		ug/Kg	☼	79	37 - 149		
Carbon disulfide	ND	F1	61.0	39.7		ug/Kg	☼	65	64 - 131		
Carbon tetrachloride	ND	F1	61.0	41.6	F1	ug/Kg	☼	68	75 - 135		
Chlorobenzene	ND	* F1	61.0	33.4	F1	ug/Kg	☼	55	76 - 124		
Chloroethane	ND	F1	61.0	47.9		ug/Kg	☼	78	69 - 135		
Chloroform	ND	F1	61.0	43.1	F1	ug/Kg	☼	71	80 - 118		
Chloromethane	ND		61.0	50.8		ug/Kg	☼	83	63 - 127		
cis-1,2-Dichloroethene	ND	F1	61.0	41.4	F1	ug/Kg	☼	68	81 - 117		
cis-1,3-Dichloropropene	ND	F1	61.0	33.4	F1	ug/Kg	☼	55	82 - 120		
Cyclohexane	ND	F1	61.0	38.0	F1	ug/Kg	☼	62	65 - 106		
Dibromochloromethane	ND	* F1	61.0	36.7	F1	ug/Kg	☼	60	76 - 125		
Dichlorodifluoromethane	ND		61.0	49.3		ug/Kg	☼	81	57 - 142		

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-101358-10 MS
Matrix: Solid
Analysis Batch: 306259

Client Sample ID: B107-AREA2-S2
Prep Type: Total/NA
Prep Batch: 306261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND	* F1	61.0	33.5	F1	ug/Kg	☼	55	80 - 120
Isopropylbenzene	ND	* F1	61.0	36.2	F1	ug/Kg	☼	59	72 - 120
Methyl acetate	ND		305	192		ug/Kg	☼	63	55 - 136
Methyl tert-butyl ether	ND		61.0	48.4		ug/Kg	☼	79	63 - 125
Methylcyclohexane	ND	F1	61.0	33.2	F1	ug/Kg	☼	54	60 - 140
Methylene Chloride	11	F1	61.0	50.2		ug/Kg	☼	64	61 - 127
Styrene	ND	* F1	61.0	30.1	F1	ug/Kg	☼	49	80 - 120
Tetrachloroethene	ND	* F1	61.0	34.8	F1	ug/Kg	☼	57	74 - 122
Toluene	ND	* F1	61.0	37.6	F1	ug/Kg	☼	62	74 - 128
trans-1,2-Dichloroethene	ND	F1	61.0	40.7	F1	ug/Kg	☼	67	78 - 126
trans-1,3-Dichloropropene	ND	* F1	61.0	31.1	F1	ug/Kg	☼	51	73 - 123
Trichloroethene	ND	F1	61.0	36.7	F1	ug/Kg	☼	60	77 - 129
Trichlorofluoromethane	ND	F1	61.0	43.2		ug/Kg	☼	71	65 - 146
Vinyl chloride	ND		61.0	44.9		ug/Kg	☼	74	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*63*	*X*	*64 - 126*
4-Bromofluorobenzene (Surr)	*113*		*72 - 126*
Toluene-d8 (Surr)	*86*		*71 - 125*

Lab Sample ID: 480-101358-10 MSD
Matrix: Solid
Analysis Batch: 306259

Client Sample ID: B107-AREA2-S2
Prep Type: Total/NA
Prep Batch: 306261

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	59.2	38.5	F1	ug/Kg	☼	65	77 - 121	14	30
1,1,2,2-Tetrachloroethane	ND	* F1	59.2	28.7	F1	ug/Kg	☼	49	80 - 120	17	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		59.2	37.5		ug/Kg	☼	63	60 - 140	17	30
1,1,2-Trichloroethane	ND	* F1	59.2	31.0	F1	ug/Kg	☼	52	78 - 122	14	30
1,1-Dichloroethane	ND	F1	59.2	37.4	F1	ug/Kg	☼	63	73 - 126	16	30
1,1-Dichloroethene	ND		59.2	35.4		ug/Kg	☼	60	59 - 125	18	30
1,2,4-Trichlorobenzene	ND	* F1	59.2	7.34	F1	ug/Kg	☼	12	64 - 120	30	30
1,2-Dibromo-3-Chloropropane	ND	* F1	59.2	19.7	F1	ug/Kg	☼	33	63 - 124	25	30
1,2-Dibromoethane	ND	* F1	59.2	25.4	F1	ug/Kg	☼	43	78 - 120	20	30
1,2-Dichlorobenzene	ND	* F1	59.2	20.4	F1	ug/Kg	☼	34	75 - 120	29	30
1,2-Dichloroethane	ND	F1	59.2	33.3	F1	ug/Kg	☼	56	77 - 122	13	30
1,2-Dichloropropane	ND	F1	59.2	34.2	F1	ug/Kg	☼	58	75 - 124	14	30
1,3-Dichlorobenzene	ND	* F1 F2	59.2	17.7	F1 F2	ug/Kg	☼	30	74 - 120	33	30
1,4-Dichlorobenzene	ND	* F1 F2	59.2	17.0	F1 F2	ug/Kg	☼	29	73 - 120	33	30
2-Butanone (MEK)	ND	F1	296	169	F1	ug/Kg	☼	57	70 - 134	5	30
2-Hexanone	ND	* F1	296	126	F1	ug/Kg	☼	43	59 - 130	11	30
4-Methyl-2-pentanone (MIBK)	ND	* F1	296	149	F1	ug/Kg	☼	50	65 - 133	11	30
Acetone	11	J	296	195		ug/Kg	☼	62	61 - 137	5	30
Benzene	ND	F1	59.2	35.1	F1	ug/Kg	☼	59	79 - 127	16	30
Bromodichloromethane	ND	F1	59.2	34.5	F1	ug/Kg	☼	58	80 - 122	13	30
Bromoform	ND	* F1	59.2	25.1	F1	ug/Kg	☼	42	68 - 126	18	30
Bromomethane	ND		59.2	41.6		ug/Kg	☼	70	37 - 149	15	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-101358-10 MSD
Matrix: Solid
Analysis Batch: 306259

Client Sample ID: B107-AREA2-S2
Prep Type: Total/NA
Prep Batch: 306261

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	ND	F1	59.2	32.6	F1	ug/Kg	☼	55	64 - 131	20	30
Carbon tetrachloride	ND	F1	59.2	35.7	F1	ug/Kg	☼	60	75 - 135	15	30
Chlorobenzene	ND	* F1	59.2	26.5	F1	ug/Kg	☼	45	76 - 124	23	30
Chloroethane	ND	F1	59.2	40.5	F1	ug/Kg	☼	68	69 - 135	17	30
Chloroform	ND	F1	59.2	37.4	F1	ug/Kg	☼	63	80 - 118	14	30
Chloromethane	ND		59.2	44.2		ug/Kg	☼	75	63 - 127	14	30
cis-1,2-Dichloroethene	ND	F1	59.2	35.4	F1	ug/Kg	☼	60	81 - 117	16	30
cis-1,3-Dichloropropene	ND	F1	59.2	28.2	F1	ug/Kg	☼	48	82 - 120	17	30
Cyclohexane	ND	F1	59.2	32.2	F1	ug/Kg	☼	54	65 - 106	17	30
Dibromochloromethane	ND	* F1	59.2	30.9	F1	ug/Kg	☼	52	76 - 125	17	30
Dichlorodifluoromethane	ND		59.2	44.4		ug/Kg	☼	75	57 - 142	10	30
Ethylbenzene	ND	* F1	59.2	26.4	F1	ug/Kg	☼	45	80 - 120	24	30
Isopropylbenzene	ND	* F1	59.2	27.3	F1	ug/Kg	☼	46	72 - 120	28	30
Methyl acetate	ND		296	177		ug/Kg	☼	60	55 - 136	8	30
Methyl tert-butyl ether	ND		59.2	44.8		ug/Kg	☼	76	63 - 125	8	30
Methylcyclohexane	ND	F1	59.2	27.2	F1	ug/Kg	☼	46	60 - 140	20	30
Methylene Chloride	11	F1	59.2	46.3	F1	ug/Kg	☼	60	61 - 127	8	30
Styrene	ND	* F1	59.2	23.3	F1	ug/Kg	☼	39	80 - 120	25	30
Tetrachloroethene	ND	* F1	59.2	27.7	F1	ug/Kg	☼	47	74 - 122	23	30
Toluene	ND	* F1	59.2	30.8	F1	ug/Kg	☼	52	74 - 128	20	30
trans-1,2-Dichloroethene	ND	F1	59.2	33.1	F1	ug/Kg	☼	56	78 - 126	21	30
trans-1,3-Dichloropropene	ND	* F1	59.2	25.3	F1	ug/Kg	☼	43	73 - 123	20	30
Trichloroethene	ND	F1	59.2	30.2	F1	ug/Kg	☼	51	77 - 129	19	30
Trichlorofluoromethane	ND	F1	59.2	36.4	F1	ug/Kg	☼	61	65 - 146	17	30
Vinyl chloride	ND		59.2	37.5		ug/Kg	☼	63	61 - 133	18	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*62*	*X*	*64 - 126*
4-Bromofluorobenzene (Surr)	*115*		*72 - 126*
Toluene-d8 (Surr)	*83*		*71 - 125*

Lab Sample ID: MB 480-306409/2-A
Matrix: Solid
Analysis Batch: 306374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.9	0.36	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,1,2,2-Tetrachloroethane	ND		4.9	0.80	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,1,2-Trichloroethane	ND		4.9	0.64	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,1-Dichloroethane	ND		4.9	0.60	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,1-Dichloroethene	ND		4.9	0.60	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,2,4-Trichlorobenzene	ND		4.9	0.30	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,2-Dibromo-3-Chloropropane	ND		4.9	2.5	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,2-Dibromoethane	ND		4.9	0.63	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,2-Dichlorobenzene	ND		4.9	0.38	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,2-Dichloroethane	ND		4.9	0.25	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,2-Dichloropropane	ND		4.9	2.5	ug/Kg		06/13/16 11:00	06/13/16 12:51	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-306409/2-A
Matrix: Solid
Analysis Batch: 306374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.9	0.25	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
2-Hexanone	ND		25	2.5	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Acetone	ND		25	4.1	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Benzene	ND		4.9	0.24	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Bromodichloromethane	ND		4.9	0.66	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Bromoform	ND		4.9	2.5	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Bromomethane	ND		4.9	0.44	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Carbon disulfide	ND		4.9	2.5	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Carbon tetrachloride	ND		4.9	0.48	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Chlorobenzene	ND		4.9	0.65	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Chloroethane	ND		4.9	1.1	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Chloroform	ND		4.9	0.30	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Chloromethane	ND		4.9	0.30	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
cis-1,2-Dichloroethene	ND		4.9	0.63	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
cis-1,3-Dichloropropene	ND		4.9	0.71	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Cyclohexane	ND		4.9	0.69	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Dibromochloromethane	ND		4.9	0.63	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Dichlorodifluoromethane	ND		4.9	0.41	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Ethylbenzene	ND		4.9	0.34	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Isopropylbenzene	ND		4.9	0.74	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Methyl acetate	ND		4.9	3.0	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Methyl tert-butyl ether	ND		4.9	0.48	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Methylcyclohexane	ND		4.9	0.75	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Methylene Chloride	ND		4.9	2.3	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Styrene	ND		4.9	0.25	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Toluene	ND		4.9	0.37	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
trans-1,2-Dichloroethene	ND		4.9	0.51	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Trichloroethene	ND		4.9	1.1	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Trichlorofluoromethane	ND		4.9	0.46	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Vinyl chloride	ND		4.9	0.60	ug/Kg		06/13/16 11:00	06/13/16 12:51	1
Xylenes, Total	ND		9.8	0.83	ug/Kg		06/13/16 11:00	06/13/16 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*06/13/16 11:00*	*06/13/16 12:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*06/13/16 11:00*	*06/13/16 12:51*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*06/13/16 11:00*	*06/13/16 12:51*	*1*

Lab Sample ID: LCS 480-306409/1-A
Matrix: Solid
Analysis Batch: 306374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	48.3	46.2		ug/Kg		96	77 - 121

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306409/1-A
Matrix: Solid
Analysis Batch: 306374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	48.3	48.1		ug/Kg		100	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	48.3	44.7		ug/Kg		93	60 - 140
1,1,2-Trichloroethane	48.3	46.0		ug/Kg		95	78 - 122
1,1-Dichloroethane	48.3	44.9		ug/Kg		93	73 - 126
1,1-Dichloroethene	48.3	45.7		ug/Kg		95	59 - 125
1,2,4-Trichlorobenzene	48.3	45.1		ug/Kg		93	64 - 120
1,2-Dibromo-3-Chloropropane	48.3	50.7		ug/Kg		105	63 - 124
1,2-Dibromoethane	48.3	48.2		ug/Kg		100	78 - 120
1,2-Dichlorobenzene	48.3	45.7		ug/Kg		95	75 - 120
1,2-Dichloroethane	48.3	47.2		ug/Kg		98	77 - 122
1,2-Dichloropropane	48.3	44.7		ug/Kg		93	75 - 124
1,3-Dichlorobenzene	48.3	45.6		ug/Kg		95	74 - 120
1,4-Dichlorobenzene	48.3	45.2		ug/Kg		94	73 - 120
2-Butanone (MEK)	241	255		ug/Kg		106	70 - 134
2-Hexanone	241	241		ug/Kg		100	59 - 130
4-Methyl-2-pentanone (MIBK)	241	238		ug/Kg		99	65 - 133
Acetone	241	264		ug/Kg		110	61 - 137
Benzene	48.3	45.3		ug/Kg		94	79 - 127
Bromodichloromethane	48.3	47.8		ug/Kg		99	80 - 122
Bromoform	48.3	47.2		ug/Kg		98	68 - 126
Bromomethane	48.3	44.2		ug/Kg		91	37 - 149
Carbon disulfide	48.3	43.7		ug/Kg		91	64 - 131
Carbon tetrachloride	48.3	46.7		ug/Kg		97	75 - 135
Chlorobenzene	48.3	45.0		ug/Kg		93	76 - 124
Chloroethane	48.3	44.8		ug/Kg		93	69 - 135
Chloroform	48.3	45.9		ug/Kg		95	80 - 118
Chloromethane	48.3	42.5		ug/Kg		88	63 - 127
cis-1,2-Dichloroethene	48.3	46.1		ug/Kg		95	81 - 117
cis-1,3-Dichloropropene	48.3	46.0		ug/Kg		95	82 - 120
Cyclohexane	48.3	42.3		ug/Kg		88	65 - 106
Dibromochloromethane	48.3	48.5		ug/Kg		101	76 - 125
Dichlorodifluoromethane	48.3	50.9		ug/Kg		105	57 - 142
Ethylbenzene	48.3	44.8		ug/Kg		93	80 - 120
Isopropylbenzene	48.3	45.2		ug/Kg		94	72 - 120
Methyl acetate	241	240		ug/Kg		99	55 - 136
Methyl tert-butyl ether	48.3	47.6		ug/Kg		99	63 - 125
Methylcyclohexane	48.3	43.5		ug/Kg		90	60 - 140
Methylene Chloride	48.3	46.6		ug/Kg		97	61 - 127
Styrene	48.3	44.8		ug/Kg		93	80 - 120
Tetrachloroethene	48.3	44.6		ug/Kg		92	74 - 122
Toluene	48.3	44.4		ug/Kg		92	74 - 128
trans-1,2-Dichloroethene	48.3	45.1		ug/Kg		93	78 - 126
trans-1,3-Dichloropropene	48.3	46.7		ug/Kg		97	73 - 123
Trichloroethene	48.3	46.5		ug/Kg		96	77 - 129
Trichlorofluoromethane	48.3	46.2		ug/Kg		96	65 - 146
Vinyl chloride	48.3	42.9		ug/Kg		89	61 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306409/1-A
Matrix: Solid
Analysis Batch: 306374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306409

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*

Lab Sample ID: MB 480-306454/2-A
Matrix: Solid
Analysis Batch: 306479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,1-Dichloroethane	ND		100	31	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,1-Dichloroethene	ND		100	35	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,2-Dibromoethane	ND		100	17	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,2-Dichlorobenzene	ND		100	25	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,2-Dichloroethane	ND		100	41	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,2-Dichloropropane	ND		100	16	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
2-Butanone (MEK)	ND		500	300	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
2-Hexanone	ND		500	200	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Acetone	ND		500	410	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Benzene	ND		100	19	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Bromodichloromethane	ND		100	20	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Bromoform	ND		100	50	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Bromomethane	ND		100	22	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Carbon disulfide	ND		100	45	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Carbon tetrachloride	ND		100	25	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Chlorobenzene	ND		100	13	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Chloroethane	ND		100	21	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Chloroform	ND		100	68	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Chloromethane	ND		100	24	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Cyclohexane	ND		100	22	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Dibromochloromethane	ND		100	48	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Ethylbenzene	ND		100	29	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Isopropylbenzene	ND		100	15	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Methyl acetate	ND		100	48	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Methylcyclohexane	ND		100	47	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Methylene Chloride	ND		100	20	ug/Kg		06/13/16 15:30	06/14/16 00:57	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-306454/2-A
Matrix: Solid
Analysis Batch: 306479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	24	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Tetrachloroethene	ND		100	13	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Toluene	ND		100	27	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Trichloroethene	ND		100	28	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Trichlorofluoromethane	ND		100	47	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Vinyl chloride	ND		100	33	ug/Kg		06/13/16 15:30	06/14/16 00:57	1
Xylenes, Total	ND		200	55	ug/Kg		06/13/16 15:30	06/14/16 00:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*06/13/16 15:30*	*06/14/16 00:57*	*1*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*06/13/16 15:30*	*06/14/16 00:57*	*1*
Toluene-d8 (Surr)	*93*		*50 - 149*	*06/13/16 15:30*	*06/14/16 00:57*	*1*

Lab Sample ID: LCS 480-306454/1-A
Matrix: Solid
Analysis Batch: 306479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2950		ug/Kg		118	68 - 130
1,1,2,2-Tetrachloroethane	2500	2260		ug/Kg		90	73 - 119
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2850		ug/Kg		114	10 - 179
1,1,2-Trichloroethane	2500	2500		ug/Kg		100	81 - 115
1,1-Dichloroethane	2500	2620		ug/Kg		105	78 - 121
1,1-Dichloroethene	2500	2610		ug/Kg		105	48 - 133
1,2,4-Trichlorobenzene	2500	2250		ug/Kg		90	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2020		ug/Kg		81	56 - 122
1,2-Dibromoethane	2500	2570		ug/Kg		103	81 - 119
1,2-Dichlorobenzene	2500	2280		ug/Kg		91	78 - 125
1,2-Dichloroethane	2500	2570		ug/Kg		103	74 - 127
1,2-Dichloropropane	2500	2810		ug/Kg		112	81 - 115
1,3-Dichlorobenzene	2500	2250		ug/Kg		90	82 - 114
1,4-Dichlorobenzene	2500	2280		ug/Kg		91	81 - 113
2-Butanone (MEK)	12500	13600		ug/Kg		109	54 - 149
2-Hexanone	12500	14400		ug/Kg		116	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12300		ug/Kg		98	74 - 120
Acetone	12500	11400		ug/Kg		91	47 - 141
Benzene	2500	2640		ug/Kg		106	77 - 125
Bromodichloromethane	2500	2590		ug/Kg		104	71 - 121
Bromoform	2500	2580		ug/Kg		103	48 - 125
Bromomethane	2500	2040		ug/Kg		82	39 - 149
Carbon disulfide	2500	2470		ug/Kg		99	40 - 136
Carbon tetrachloride	2500	3100		ug/Kg		124	54 - 135
Chlorobenzene	2500	2510		ug/Kg		101	76 - 126
Chloroethane	2500	2010		ug/Kg		80	23 - 164
Chloroform	2500	2590		ug/Kg		104	78 - 118

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306454/1-A
Matrix: Solid
Analysis Batch: 306479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	2500	2810		ug/Kg		112	61 - 124
cis-1,2-Dichloroethene	2500	2460		ug/Kg		99	79 - 124
cis-1,3-Dichloropropene	2500	2620		ug/Kg		105	75 - 121
Cyclohexane	2500	3120		ug/Kg		125	49 - 129
Dibromochloromethane	2500	2630		ug/Kg		105	64 - 118
Dichlorodifluoromethane	2500	3060		ug/Kg		122	10 - 150
Ethylbenzene	2500	2440		ug/Kg		98	78 - 124
Isopropylbenzene	2500	2490		ug/Kg		100	76 - 119
Methyl acetate	12500	14400		ug/Kg		115	71 - 123
Methyl tert-butyl ether	2500	2540		ug/Kg		102	67 - 137
Methylcyclohexane	2500	2800		ug/Kg		112	50 - 130
Methylene Chloride	2500	2590		ug/Kg		104	75 - 118
Styrene	2500	2510		ug/Kg		101	84 - 119
Tetrachloroethene	2500	2710		ug/Kg		108	73 - 133
Toluene	2500	2540		ug/Kg		102	75 - 124
trans-1,2-Dichloroethene	2500	2660		ug/Kg		106	74 - 129
trans-1,3-Dichloropropene	2500	2510		ug/Kg		100	73 - 118
Trichloroethene	2500	2790		ug/Kg		112	75 - 131
Trichlorofluoromethane	2500	3160		ug/Kg		126	29 - 158
Vinyl chloride	2500	2830		ug/Kg		113	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*113*		*49 - 148*
Toluene-d8 (Surr)	*93*		*50 - 149*

Lab Sample ID: 480-101358-5 MS
Matrix: Solid
Analysis Batch: 306573

Client Sample ID: B105-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F1	2720	5980	F1	ug/Kg	☼	220	64 - 116
1,1,2,2-Tetrachloroethane	ND	F1	2720	4400	F1	ug/Kg	☼	162	75 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2720	6200	F1	ug/Kg	☼	228	40 - 120
1,1,2-Trichloroethane	ND	F1	2720	5320	F1	ug/Kg	☼	195	70 - 130
1,1-Dichloroethane	ND	F1	2720	5430	F1	ug/Kg	☼	199	82 - 138
1,1-Dichloroethene	ND	F1	2720	5710	F1	ug/Kg	☼	210	50 - 147
1,2,4-Trichlorobenzene	ND	F1	2720	4870	F1	ug/Kg	☼	179	40 - 160
1,2-Dibromo-3-Chloropropane	ND	F1	2720	4150	F1	ug/Kg	☼	153	60 - 110
1,2-Dibromoethane	ND	F1	2720	5040	F1	ug/Kg	☼	185	81 - 119
1,2-Dichlorobenzene	ND	F1	2720	4670	F1	ug/Kg	☼	171	80 - 132
1,2-Dichloroethane	ND	F1	2720	5370	F1	ug/Kg	☼	197	78 - 129
1,2-Dichloropropane	ND	F1	2720	5500	F1	ug/Kg	☼	202	76 - 125
1,3-Dichlorobenzene	ND	F1	2720	4300	F1	ug/Kg	☼	158	63 - 134
1,4-Dichlorobenzene	ND	F1	2720	4740	F1	ug/Kg	☼	174	60 - 134
2-Butanone (MEK)	ND	F1	13600	32100	F1	ug/Kg	☼	236	54 - 149
2-Hexanone	ND	F1	13600	30400	F1	ug/Kg	☼	223	70 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-101358-5 MS
Matrix: Solid
Analysis Batch: 306573

Client Sample ID: B105-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	ND	F1	13600	27400	F1	ug/Kg	☼	201	74 - 120
Acetone	ND	F1	13600	29200	F1	ug/Kg	☼	215	47 - 141
Benzene	ND	F1	2720	5350	F1	ug/Kg	☼	197	77 - 125
Bromodichloromethane	ND	F1	2720	5180	F1	ug/Kg	☼	190	71 - 121
Bromoform	ND	F1	2720	5070	F1	ug/Kg	☼	186	48 - 125
Bromomethane	ND		2720	2340		ug/Kg	☼	86	39 - 149
Carbon disulfide	ND	F1	2720	5320	F1	ug/Kg	☼	196	40 - 136
Carbon tetrachloride	ND	F1	2720	7050	F1	ug/Kg	☼	259	54 - 135
Chlorobenzene	ND	F1	2720	5140	F1	ug/Kg	☼	189	76 - 126
Chloroethane	ND		2720	2910		ug/Kg	☼	107	23 - 164
Chloroform	ND	F1	2720	5410	F1	ug/Kg	☼	199	78 - 118
Chloromethane	ND		2720	2890		ug/Kg	☼	106	61 - 124
cis-1,2-Dichloroethene	ND	F1	2720	4830	F1	ug/Kg	☼	177	79 - 124
cis-1,3-Dichloropropene	ND	F1	2720	4850	F1	ug/Kg	☼	178	75 - 121
Cyclohexane	ND	F1	2720	6550	F1	ug/Kg	☼	241	49 - 129
Dibromochloromethane	ND	F1	2720	5260	F1	ug/Kg	☼	193	64 - 118
Dichlorodifluoromethane	ND		2720	3030		ug/Kg	☼	111	10 - 150
Ethylbenzene	ND	F1	2720	4990	F1	ug/Kg	☼	183	78 - 124
Isopropylbenzene	ND	F1	2720	4810	F1	ug/Kg	☼	177	76 - 119
Methyl acetate	ND	F1	13600	30700	F1	ug/Kg	☼	226	71 - 123
Methyl tert-butyl ether	ND	F1	2720	5340	F1	ug/Kg	☼	196	67 - 137
Methylcyclohexane	ND	F1	2720	5950	F1	ug/Kg	☼	219	50 - 130
Methylene Chloride	ND	F1	2720	4570	F1	ug/Kg	☼	168	75 - 118
Styrene	ND	F1	2720	4830	F1	ug/Kg	☼	177	84 - 119
Tetrachloroethene	86000		2720	87600	4	ug/Kg	☼	70	73 - 133
Toluene	ND	F1	2720	5340	F1	ug/Kg	☼	196	75 - 124
trans-1,2-Dichloroethene	ND	F1	2720	5540	F1	ug/Kg	☼	204	74 - 129
trans-1,3-Dichloropropene	ND	F1	2720	4500	F1	ug/Kg	☼	165	73 - 118
Trichloroethene	2000	F1	2720	7720	F1	ug/Kg	☼	210	75 - 131
Trichlorofluoromethane	ND		2720	2880		ug/Kg	☼	106	29 - 158
Vinyl chloride	ND		2720	2630		ug/Kg	☼	97	59 - 124

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*53 - 146*
4-Bromofluorobenzene (Surr)	*116*		*49 - 148*
Toluene-d8 (Surr)	*89*		*50 - 149*

Lab Sample ID: 480-101358-5 MSD
Matrix: Solid
Analysis Batch: 306573

Client Sample ID: B105-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	2700	6610	F1	ug/Kg	☼	245	64 - 116	10	20
1,1,2,2-Tetrachloroethane	ND	F1	2700	4250	F1	ug/Kg	☼	157	75 - 120	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2700	6540	F1	ug/Kg	☼	242	40 - 120	5	20
1,1,2-Trichloroethane	ND	F1	2700	5600	F1	ug/Kg	☼	207	70 - 130	5	20
1,1-Dichloroethane	ND	F1	2700	5700	F1	ug/Kg	☼	211	82 - 138	5	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-101358-5 MSD
Matrix: Solid
Analysis Batch: 306573

Client Sample ID: B105-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND	F1	2700	5650	F1	ug/Kg	☼	209	50 - 147	1	20
1,2,4-Trichlorobenzene	ND	F1	2700	5040	F1	ug/Kg	☼	187	40 - 160	3	20
1,2-Dibromo-3-Chloropropane	ND	F1	2700	4440	F1	ug/Kg	☼	165	60 - 110	7	20
1,2-Dibromoethane	ND	F1	2700	5010	F1	ug/Kg	☼	186	81 - 119	1	20
1,2-Dichlorobenzene	ND	F1	2700	4450	F1	ug/Kg	☼	165	80 - 132	5	20
1,2-Dichloroethane	ND	F1	2700	5280	F1	ug/Kg	☼	195	78 - 129	2	20
1,2-Dichloropropane	ND	F1	2700	5580	F1	ug/Kg	☼	207	76 - 125	1	20
1,3-Dichlorobenzene	ND	F1	2700	4380	F1	ug/Kg	☼	162	63 - 134	2	20
1,4-Dichlorobenzene	ND	F1	2700	4470	F1	ug/Kg	☼	166	60 - 134	6	20
2-Butanone (MEK)	ND	F1	13500	29400	F1	ug/Kg	☼	218	54 - 149	9	20
2-Hexanone	ND	F1	13500	31800	F1	ug/Kg	☼	236	70 - 127	5	20
4-Methyl-2-pentanone (MIBK)	ND	F1	13500	26500	F1	ug/Kg	☼	197	74 - 120	3	20
Acetone	ND	F1	13500	30600	F1	ug/Kg	☼	226	47 - 141	5	20
Benzene	ND	F1	2700	5510	F1	ug/Kg	☼	204	77 - 125	3	20
Bromodichloromethane	ND	F1	2700	5230	F1	ug/Kg	☼	194	71 - 121	1	20
Bromoform	ND	F1	2700	4870	F1	ug/Kg	☼	180	48 - 125	4	20
Bromomethane	ND		2700	2110		ug/Kg	☼	78	39 - 149	10	20
Carbon disulfide	ND	F1	2700	5530	F1	ug/Kg	☼	205	40 - 136	4	20
Carbon tetrachloride	ND	F1	2700	6710	F1	ug/Kg	☼	248	54 - 135	5	20
Chlorobenzene	ND	F1	2700	5170	F1	ug/Kg	☼	192	76 - 126	1	20
Chloroethane	ND		2700	2890		ug/Kg	☼	107	23 - 164	1	20
Chloroform	ND	F1	2700	5190	F1	ug/Kg	☼	192	78 - 118	4	20
Chloromethane	ND		2700	2930		ug/Kg	☼	108	61 - 124	1	20
cis-1,2-Dichloroethene	ND	F1	2700	5050	F1	ug/Kg	☼	187	79 - 124	5	20
cis-1,3-Dichloropropene	ND	F1	2700	4740	F1	ug/Kg	☼	176	75 - 121	2	20
Cyclohexane	ND	F1	2700	6660	F1	ug/Kg	☼	247	49 - 129	2	20
Dibromochloromethane	ND	F1	2700	5220	F1	ug/Kg	☼	193	64 - 118	1	20
Dichlorodifluoromethane	ND		2700	3190		ug/Kg	☼	118	10 - 150	5	20
Ethylbenzene	ND	F1	2700	4930	F1	ug/Kg	☼	183	78 - 124	1	20
Isopropylbenzene	ND	F1	2700	4880	F1	ug/Kg	☼	181	76 - 119	1	20
Methyl acetate	ND	F1	13500	30400	F1	ug/Kg	☼	225	71 - 123	1	20
Methyl tert-butyl ether	ND	F1	2700	5470	F1	ug/Kg	☼	202	67 - 137	2	20
Methylcyclohexane	ND	F1	2700	6300	F1	ug/Kg	☼	233	50 - 130	6	20
Methylene Chloride	ND	F1	2700	4220	F1	ug/Kg	☼	156	75 - 118	8	20
Styrene	ND	F1	2700	4860	F1	ug/Kg	☼	180	84 - 119	1	20
Tetrachloroethene	86000		2700	85000	4	ug/Kg	☼	-25	73 - 133	3	20
Toluene	ND	F1	2700	4920	F1	ug/Kg	☼	182	75 - 124	8	20
trans-1,2-Dichloroethene	ND	F1	2700	5350	F1	ug/Kg	☼	198	74 - 129	3	20
trans-1,3-Dichloropropene	ND	F1	2700	4920	F1	ug/Kg	☼	182	73 - 118	9	20
Trichloroethene	2000	F1	2700	7610	F1	ug/Kg	☼	208	75 - 131	1	20
Trichlorofluoromethane	ND		2700	2760		ug/Kg	☼	102	29 - 158	4	20
Vinyl chloride	ND		2700	2740		ug/Kg	☼	101	59 - 124	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*
4-Bromofluorobenzene (Surr)	*113*		*49 - 148*
Toluene-d8 (Surr)	*88*		*50 - 149*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-306491/2-A
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
2-Hexanone	ND		25	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Acetone	ND		25	4.2	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Benzene	ND		5.0	0.24	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Bromoform	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Bromomethane	ND		5.0	0.45	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chloroethane	ND		5.0	1.1	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chloroform	ND		5.0	0.31	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Chloromethane	ND		5.0	0.30	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Cyclohexane	ND		5.0	0.70	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Ethylbenzene	ND		5.0	0.34	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methyl acetate	ND		5.0	3.0	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Styrene	ND		5.0	0.25	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Toluene	ND		5.0	0.38	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
trans-1,2-Dichloroethene	ND		5.0	0.51	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Trichloroethene	ND		5.0	1.1	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		06/13/16 21:05	06/14/16 01:00	1
Xylenes, Total	ND		9.9	0.83	ug/Kg		06/13/16 21:05	06/14/16 01:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*06/13/16 21:05*	*06/14/16 01:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*06/13/16 21:05*	*06/14/16 01:00*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*06/13/16 21:05*	*06/14/16 01:00*	*1*

Lab Sample ID: LCS 480-306491/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 306490 — **Prep Batch: 306491**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	48.4	52.7		ug/Kg		109	77 - 121
1,1,2,2-Tetrachloroethane	48.4	48.2		ug/Kg		100	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	48.4	47.1		ug/Kg		97	60 - 140
1,1,2-Trichloroethane	48.4	46.3		ug/Kg		95	78 - 122
1,1-Dichloroethane	48.4	47.8		ug/Kg		99	73 - 126
1,1-Dichloroethene	48.4	46.3		ug/Kg		96	59 - 125
1,2,4-Trichlorobenzene	48.4	46.1		ug/Kg		95	64 - 120
1,2-Dibromo-3-Chloropropane	48.4	53.9		ug/Kg		111	63 - 124
1,2-Dibromoethane	48.4	48.9		ug/Kg		101	78 - 120
1,2-Dichlorobenzene	48.4	47.6		ug/Kg		98	75 - 120
1,2-Dichloroethane	48.4	52.6		ug/Kg		109	77 - 122
1,2-Dichloropropane	48.4	45.7		ug/Kg		94	75 - 124
1,3-Dichlorobenzene	48.4	48.1		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	48.4	47.3		ug/Kg		98	73 - 120
2-Butanone (MEK)	242	259		ug/Kg		107	70 - 134
2-Hexanone	242	245		ug/Kg		101	59 - 130
4-Methyl-2-pentanone (MIBK)	242	238		ug/Kg		98	65 - 133
Acetone	242	288		ug/Kg		119	61 - 137
Benzene	48.4	47.7		ug/Kg		98	79 - 127
Bromodichloromethane	48.4	51.2		ug/Kg		106	80 - 122
Bromoform	48.4	50.2		ug/Kg		104	68 - 126
Bromomethane	48.4	43.7		ug/Kg		90	37 - 149
Carbon disulfide	48.4	46.2		ug/Kg		95	64 - 131
Carbon tetrachloride	48.4	53.8		ug/Kg		111	75 - 135
Chlorobenzene	48.4	46.6		ug/Kg		96	76 - 124
Chloroethane	48.4	44.1		ug/Kg		91	69 - 135
Chloroform	48.4	50.3		ug/Kg		104	80 - 118
Chloromethane	48.4	42.4		ug/Kg		87	63 - 127
cis-1,2-Dichloroethene	48.4	47.5		ug/Kg		98	81 - 117
cis-1,3-Dichloropropene	48.4	49.2		ug/Kg		101	82 - 120
Cyclohexane	48.4	45.4		ug/Kg		94	65 - 106
Dibromochloromethane	48.4	50.2		ug/Kg		104	76 - 125
Dichlorodifluoromethane	48.4	58.3		ug/Kg		120	57 - 142
Ethylbenzene	48.4	47.3		ug/Kg		98	80 - 120
Isopropylbenzene	48.4	47.9		ug/Kg		99	72 - 120
Methyl acetate	242	248		ug/Kg		102	55 - 136
Methyl tert-butyl ether	48.4	50.2		ug/Kg		104	63 - 125
Methylcyclohexane	48.4	45.8		ug/Kg		95	60 - 140
Methylene Chloride	48.4	48.3		ug/Kg		100	61 - 127
Styrene	48.4	46.7		ug/Kg		96	80 - 120
Tetrachloroethene	48.4	47.4		ug/Kg		98	74 - 122
Toluene	48.4	46.2		ug/Kg		95	74 - 128
trans-1,2-Dichloroethene	48.4	47.7		ug/Kg		99	78 - 126
trans-1,3-Dichloropropene	48.4	48.6		ug/Kg		100	73 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306491/1-A
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	48.4	49.7		ug/Kg		103	77 - 129
Trichlorofluoromethane	48.4	51.8		ug/Kg		107	65 - 146
Vinyl chloride	48.4	42.8		ug/Kg		88	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*
Toluene-d8 (Surr)	*96*		*71 - 125*

Lab Sample ID: 480-101358-12 MS
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: B108-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		54.0	53.9		ug/Kg	☼	100	77 - 121
1,1,2,2-Tetrachloroethane	ND	F1	54.0	83.0	F1 *	ug/Kg	☼	154	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54.0	49.1		ug/Kg	☼	91	60 - 140
1,1,2-Trichloroethane	ND	F1	54.0	44.8		ug/Kg	☼	83	78 - 122
1,1-Dichloroethane	ND		54.0	47.6		ug/Kg	☼	88	73 - 126
1,1-Dichloroethene	ND		54.0	46.0		ug/Kg	☼	85	59 - 125
1,2,4-Trichlorobenzene	ND	F1 F2	54.0	12.5	F1 *	ug/Kg	☼	23	64 - 120
1,2-Dibromo-3-Chloropropane	ND		54.0	54.0	*	ug/Kg	☼	100	63 - 124
1,2-Dibromoethane	ND	F1	54.0	35.3	F1	ug/Kg	☼	65	78 - 120
1,2-Dichlorobenzene	ND	F1	54.0	47.5	*	ug/Kg	☼	88	75 - 120
1,2-Dichloroethane	ND		54.0	45.4		ug/Kg	☼	84	77 - 122
1,2-Dichloropropane	ND	F1	54.0	40.9		ug/Kg	☼	76	75 - 124
1,3-Dichlorobenzene	ND	F2 F1	54.0	43.5	*	ug/Kg	☼	81	74 - 120
1,4-Dichlorobenzene	ND	F2 F1	54.0	39.3	*	ug/Kg	☼	73	73 - 120
2-Butanone (MEK)	ND	F1	270	171	F1	ug/Kg	☼	63	70 - 134
2-Hexanone	ND	F1	270	149	F1	ug/Kg	☼	55	59 - 130
4-Methyl-2-pentanone (MIBK)	ND		270	195		ug/Kg	☼	72	65 - 133
Acetone	ND		270	206		ug/Kg	☼	76	61 - 137
Benzene	ND	F1	54.0	44.0		ug/Kg	☼	81	79 - 127
Bromodichloromethane	ND	F1	54.0	45.9		ug/Kg	☼	85	80 - 122
Bromoform	ND	F1	54.0	34.8	F1	ug/Kg	☼	64	68 - 126
Bromomethane	ND		54.0	46.3		ug/Kg	☼	86	37 - 149
Carbon disulfide	ND		54.0	43.7		ug/Kg	☼	81	64 - 131
Carbon tetrachloride	ND		54.0	53.2		ug/Kg	☼	99	75 - 135
Chlorobenzene	ND	F1	54.0	39.9	F1	ug/Kg	☼	74	76 - 124
Chloroethane	ND		54.0	43.3		ug/Kg	☼	80	69 - 135
Chloroform	ND		54.0	50.3		ug/Kg	☼	93	80 - 118
Chloromethane	ND		54.0	43.8		ug/Kg	☼	81	63 - 127
cis-1,2-Dichloroethene	ND	F1	54.0	44.6		ug/Kg	☼	83	81 - 117
cis-1,3-Dichloropropene	ND	F1	54.0	34.0	F1	ug/Kg	☼	63	82 - 120
Cyclohexane	ND	F1	54.0	40.0		ug/Kg	☼	74	65 - 106
Dibromochloromethane	ND	F1	54.0	48.3		ug/Kg	☼	89	76 - 125
Dichlorodifluoromethane	ND		54.0	59.5		ug/Kg	☼	110	57 - 142

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-101358-12 MS
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: B108-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND	F1	54.0	39.7	F1	ug/Kg	☼	74	80 - 120
Isopropylbenzene	ND	F1 F2	54.0	87.8	F1 *	ug/Kg	☼	163	72 - 120
Methyl acetate	ND		270	174		ug/Kg	☼	65	55 - 136
Methyl tert-butyl ether	ND		54.0	48.2		ug/Kg	☼	89	63 - 125
Methylcyclohexane	ND	F1	54.0	35.0		ug/Kg	☼	65	60 - 140
Methylene Chloride	ND		54.0	57.6		ug/Kg	☼	107	61 - 127
Styrene	ND	F1	54.0	30.2	F1	ug/Kg	☼	56	80 - 120
Tetrachloroethene	ND	F2 F1	54.0	50.9		ug/Kg	☼	94	74 - 122
Toluene	ND	F1	54.0	48.2		ug/Kg	☼	89	74 - 128
trans-1,2-Dichloroethene	ND	F1	54.0	43.7		ug/Kg	☼	81	78 - 126
trans-1,3-Dichloropropene	ND	F1	54.0	36.2	F1	ug/Kg	☼	67	73 - 123
Trichloroethene	ND	F1	54.0	43.1		ug/Kg	☼	80	77 - 129
Trichlorofluoromethane	ND		54.0	55.0		ug/Kg	☼	102	65 - 146
Vinyl chloride	ND		54.0	40.9		ug/Kg	☼	76	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*64 - 126*
4-Bromofluorobenzene (Surr)	*67*	*X*	*72 - 126*
Toluene-d8 (Surr)	*113*		*71 - 125*

Lab Sample ID: 480-101358-12 MSD
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: B108-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		54.4	48.2		ug/Kg	☼	89	77 - 121	11	30
1,1,2,2-Tetrachloroethane	ND	F1	54.4	67.7	F1 *	ug/Kg	☼	124	80 - 120	20	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54.4	42.4		ug/Kg	☼	78	60 - 140	15	30
1,1,2-Trichloroethane	ND	F1	54.4	39.0	F1	ug/Kg	☼	72	78 - 122	14	30
1,1-Dichloroethane	ND		54.4	43.1		ug/Kg	☼	79	73 - 126	10	30
1,1-Dichloroethene	ND		54.4	40.9		ug/Kg	☼	75	59 - 125	12	30
1,2,4-Trichlorobenzene	ND	F1 F2	54.4	9.04	F1 F2 *	ug/Kg	☼	17	64 - 120	32	30
1,2-Dibromo-3-Chloropropane	ND		54.4	46.5	*	ug/Kg	☼	86	63 - 124	15	30
1,2-Dibromoethane	ND	F1	54.4	31.5	F1	ug/Kg	☼	58	78 - 120	11	30
1,2-Dichlorobenzene	ND	F1	54.4	35.1	F1 *	ug/Kg	☼	65	75 - 120	30	30
1,2-Dichloroethane	ND		54.4	42.2		ug/Kg	☼	77	77 - 122	7	30
1,2-Dichloropropane	ND	F1	54.4	36.4	F1	ug/Kg	☼	67	75 - 124	12	30
1,3-Dichlorobenzene	ND	F2 F1	54.4	30.7	F1 F2 *	ug/Kg	☼	56	74 - 120	35	30
1,4-Dichlorobenzene	ND	F2 F1	54.4	27.8	F1 F2 *	ug/Kg	☼	51	73 - 120	34	30
2-Butanone (MEK)	ND	F1	272	173	F1	ug/Kg	☼	64	70 - 134	1	30
2-Hexanone	ND	F1	272	144	F1	ug/Kg	☼	53	59 - 130	4	30
4-Methyl-2-pentanone (MIBK)	ND		272	181		ug/Kg	☼	66	65 - 133	7	30
Acetone	ND		272	220		ug/Kg	☼	81	61 - 137	7	30
Benzene	ND	F1	54.4	39.6	F1	ug/Kg	☼	73	79 - 127	10	30
Bromodichloromethane	ND	F1	54.4	42.1	F1	ug/Kg	☼	77	80 - 122	9	30
Bromoform	ND	F1	54.4	30.2	F1	ug/Kg	☼	56	68 - 126	14	30
Bromomethane	ND		54.4	42.9		ug/Kg	☼	79	37 - 149	8	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-101358-12 MSD
Matrix: Solid
Analysis Batch: 306490

Client Sample ID: B108-AREA2-S1
Prep Type: Total/NA
Prep Batch: 306491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	ND		54.4	36.7		ug/Kg	☼	67	64 - 131	17	30
Carbon tetrachloride	ND		54.4	46.4		ug/Kg	☼	85	75 - 135	14	30
Chlorobenzene	ND	F1	54.4	31.9	F1	ug/Kg	☼	59	76 - 124	22	30
Chloroethane	ND		54.4	38.8		ug/Kg	☼	71	69 - 135	11	30
Chloroform	ND		54.4	45.4		ug/Kg	☼	83	80 - 118	10	30
Chloromethane	ND		54.4	40.4		ug/Kg	☼	74	63 - 127	8	30
cis-1,2-Dichloroethene	ND	F1	54.4	39.7	F1	ug/Kg	☼	73	81 - 117	12	30
cis-1,3-Dichloropropene	ND	F1	54.4	31.0	F1	ug/Kg	☼	57	82 - 120	9	30
Cyclohexane	ND	F1	54.4	33.9	F1	ug/Kg	☼	62	65 - 106	17	30
Dibromochloromethane	ND	F1	54.4	40.4	F1	ug/Kg	☼	74	76 - 125	18	30
Dichlorodifluoromethane	ND		54.4	49.9		ug/Kg	☼	92	57 - 142	18	30
Ethylbenzene	ND	F1	54.4	31.5	F1	ug/Kg	☼	58	80 - 120	23	30
Isopropylbenzene	ND	F1 F2	54.4	62.7	F2 *	ug/Kg	☼	115	72 - 120	33	30
Methyl acetate	ND		272	184		ug/Kg	☼	68	55 - 136	5	30
Methyl tert-butyl ether	ND		54.4	48.8		ug/Kg	☼	90	63 - 125	1	30
Methylcyclohexane	ND	F1	54.4	29.6	F1	ug/Kg	☼	54	60 - 140	17	30
Methylene Chloride	ND		54.4	58.7		ug/Kg	☼	108	61 - 127	2	30
Styrene	ND	F1	54.4	24.8	F1	ug/Kg	☼	46	80 - 120	20	30
Tetrachloroethene	ND	F2 F1	54.4	36.8	F1 F2	ug/Kg	☼	68	74 - 122	32	30
Toluene	ND	F1	54.4	38.9	F1	ug/Kg	☼	71	74 - 128	21	30
trans-1,2-Dichloroethene	ND	F1	54.4	37.9	F1	ug/Kg	☼	70	78 - 126	14	30
trans-1,3-Dichloropropene	ND	F1	54.4	30.4	F1	ug/Kg	☼	56	73 - 123	18	30
Trichloroethene	ND	F1	54.4	35.9	F1	ug/Kg	☼	66	77 - 129	18	30
Trichlorofluoromethane	ND		54.4	47.4		ug/Kg	☼	87	65 - 146	15	30
Vinyl chloride	ND		54.4	36.7		ug/Kg	☼	68	61 - 133	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 126*
4-Bromofluorobenzene (Surr)	*72*		*72 - 126*
Toluene-d8 (Surr)	*107*		*71 - 125*

Lab Sample ID: MB 480-306748/7
Matrix: Water
Analysis Batch: 306748

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/15/16 11:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/15/16 11:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/15/16 11:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/15/16 11:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/15/16 11:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/15/16 11:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/15/16 11:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/15/16 11:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/15/16 11:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/15/16 11:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/15/16 11:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/15/16 11:29	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-306748/7
Matrix: Water
Analysis Batch: 306748

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/15/16 11:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/15/16 11:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/15/16 11:29	1
2-Hexanone	ND		5.0	1.2	ug/L			06/15/16 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/15/16 11:29	1
Acetone	ND		10	3.0	ug/L			06/15/16 11:29	1
Benzene	ND		1.0	0.41	ug/L			06/15/16 11:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/15/16 11:29	1
Bromoform	ND		1.0	0.26	ug/L			06/15/16 11:29	1
Bromomethane	ND		1.0	0.69	ug/L			06/15/16 11:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/15/16 11:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/15/16 11:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/15/16 11:29	1
Chloroethane	ND		1.0	0.32	ug/L			06/15/16 11:29	1
Chloroform	ND		1.0	0.34	ug/L			06/15/16 11:29	1
Chloromethane	ND		1.0	0.35	ug/L			06/15/16 11:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/15/16 11:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/15/16 11:29	1
Cyclohexane	ND		1.0	0.18	ug/L			06/15/16 11:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/15/16 11:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/15/16 11:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/15/16 11:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/15/16 11:29	1
Methyl acetate	ND		2.5	1.3	ug/L			06/15/16 11:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/15/16 11:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/15/16 11:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/15/16 11:29	1
Styrene	ND		1.0	0.73	ug/L			06/15/16 11:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/15/16 11:29	1
Toluene	ND		1.0	0.51	ug/L			06/15/16 11:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/15/16 11:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/15/16 11:29	1
Trichloroethene	ND		1.0	0.46	ug/L			06/15/16 11:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/15/16 11:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/15/16 11:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/15/16 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*06/15/16 11:29*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*06/15/16 11:29*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*06/15/16 11:29*	*1*

Lab Sample ID: LCS 480-306748/5
Matrix: Water
Analysis Batch: 306748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.9		ug/L		96	73 - 126

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306748/5
Matrix: Water
Analysis Batch: 306748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		101	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		97	52 - 148
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	71 - 129
1,1-Dichloroethene	25.0	25.8		ug/L		103	58 - 121
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.7		ug/L		95	56 - 134
1,2-Dibromoethane	25.0	24.8		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 127
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	75 - 120
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
2-Hexanone	125	139		ug/L		111	65 - 127
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	123		ug/L		98	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		99	80 - 122
Bromoform	25.0	26.2		ug/L		105	52 - 132
Bromomethane	25.0	23.4		ug/L		93	55 - 144
Carbon disulfide	25.0	28.4		ug/L		114	59 - 134
Carbon tetrachloride	25.0	24.3		ug/L		97	72 - 134
Chlorobenzene	25.0	24.1		ug/L		97	72 - 120
Chloroethane	25.0	24.3		ug/L		97	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	20.7		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	27.2		ug/L		109	59 - 135
Dibromochloromethane	25.0	25.3		ug/L		101	75 - 125
Dichlorodifluoromethane	25.0	22.8		ug/L		91	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Isopropylbenzene	25.0	26.2		ug/L		105	77 - 122
Methyl acetate	125	123		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	25.3		ug/L		101	64 - 127
Methylcyclohexane	25.0	26.5		ug/L		106	61 - 138
Methylene Chloride	25.0	26.4		ug/L		105	57 - 132
Styrene	25.0	27.1		ug/L		108	70 - 130
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	26.4		ug/L		106	72 - 123
Trichloroethene	25.0	24.4		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	23.4		ug/L		94	62 - 152
Vinyl chloride	25.0	21.1		ug/L		84	65 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-306748/5
Matrix: Water
Analysis Batch: 306748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	100		71 - 126

GC/MS VOA

Analysis Batch: 306259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-10 MS	B107-AREA2-S2	Total/NA	Solid	8260C	306261
480-101358-10 MSD	B107-AREA2-S2	Total/NA	Solid	8260C	306261
LCS 480-306261/1-A	Lab Control Sample	Total/NA	Solid	8260C	306261
MB 480-306261/2-A	Method Blank	Total/NA	Solid	8260C	306261

Prep Batch: 306261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-10 MS	B107-AREA2-S2	Total/NA	Solid	5035	
480-101358-10 MSD	B107-AREA2-S2	Total/NA	Solid	5035	
LCS 480-306261/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-306261/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 306374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-3	B104-AREA2-S1	Total/NA	Solid	8260C	306409
480-101358-4	B104-AREA2-S2	Total/NA	Solid	8260C	306409
480-101358-6	B105-AREA2-S2	Total/NA	Solid	8260C	306409
480-101358-7	B106-AREA2-S1	Total/NA	Solid	8260C	306409
480-101358-10	B107-AREA2-S2	Total/NA	Solid	8260C	306409
480-101358-12	B108-AREA2-S1	Total/NA	Solid	8260C	306409
480-101358-13	B108-AREA2-S2	Total/NA	Solid	8260C	306409
LCS 480-306409/1-A	Lab Control Sample	Total/NA	Solid	8260C	306409
MB 480-306409/2-A	Method Blank	Total/NA	Solid	8260C	306409

Prep Batch: 306409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-3	B104-AREA2-S1	Total/NA	Solid	5035	
480-101358-4	B104-AREA2-S2	Total/NA	Solid	5035	
480-101358-6	B105-AREA2-S2	Total/NA	Solid	5035	
480-101358-7	B106-AREA2-S1	Total/NA	Solid	5035	
480-101358-10	B107-AREA2-S2	Total/NA	Solid	5035	
480-101358-12	B108-AREA2-S1	Total/NA	Solid	5035	
480-101358-13	B108-AREA2-S2	Total/NA	Solid	5035	
LCS 480-306409/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-306409/2-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 306454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-5	B105-AREA2-S1	Total/NA	Solid	5035A	
480-101358-5 - DL	B105-AREA2-S1	Total/NA	Solid	5035A	
480-101358-5 MS	B105-AREA2-S1	Total/NA	Solid	5035A	
480-101358-5 MSD	B105-AREA2-S1	Total/NA	Solid	5035A	
LCS 480-306454/1-A	Lab Control Sample	Total/NA	Solid	5035A	
MB 480-306454/2-A	Method Blank	Total/NA	Solid	5035A	

Analysis Batch: 306479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-5	B105-AREA2-S1	Total/NA	Solid	8260C	306454
LCS 480-306454/1-A	Lab Control Sample	Total/NA	Solid	8260C	306454
MB 480-306454/2-A	Method Blank	Total/NA	Solid	8260C	306454

GC/MS VOA (Continued)

Analysis Batch: 306490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-8	B106-AREA2-S2	Total/NA	Solid	8260C	306491
480-101358-9	B107-AREA2-S1	Total/NA	Solid	8260C	306491
480-101358-11	B-POLEBARN-DUP6	Total/NA	Solid	8260C	306491
480-101358-12 MS	B108-AREA2-S1	Total/NA	Solid	8260C	306491
480-101358-12 MSD	B108-AREA2-S1	Total/NA	Solid	8260C	306491
LCS 480-306491/1-A	Lab Control Sample	Total/NA	Solid	8260C	306491
MB 480-306491/2-A	Method Blank	Total/NA	Solid	8260C	306491

Prep Batch: 306491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-8	B106-AREA2-S2	Total/NA	Solid	5035	
480-101358-9	B107-AREA2-S1	Total/NA	Solid	5035	
480-101358-11	B-POLEBARN-DUP6	Total/NA	Solid	5035	
480-101358-12 MS	B108-AREA2-S1	Total/NA	Solid	5035	
480-101358-12 MSD	B108-AREA2-S1	Total/NA	Solid	5035	
LCS 480-306491/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-306491/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 306573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-5 - DL	B105-AREA2-S1	Total/NA	Solid	8260C	306454
480-101358-5 MS	B105-AREA2-S1	Total/NA	Solid	8260C	306454
480-101358-5 MSD	B105-AREA2-S1	Total/NA	Solid	8260C	306454

Analysis Batch: 306748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-1	SB-RINSEBLANK4	Total/NA	Water	8260C	
480-101358-2	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-306748/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-306748/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 306262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101358-3	B104-AREA2-S1	Total/NA	Solid	Moisture	
480-101358-4	B104-AREA2-S2	Total/NA	Solid	Moisture	
480-101358-5	B105-AREA2-S1	Total/NA	Solid	Moisture	
480-101358-6	B105-AREA2-S2	Total/NA	Solid	Moisture	
480-101358-7	B106-AREA2-S1	Total/NA	Solid	Moisture	
480-101358-8	B106-AREA2-S2	Total/NA	Solid	Moisture	
480-101358-9	B107-AREA2-S1	Total/NA	Solid	Moisture	
480-101358-10	B107-AREA2-S2	Total/NA	Solid	Moisture	
480-101358-10 MS	B107-AREA2-S2	Total/NA	Solid	Moisture	
480-101358-10 MSD	B107-AREA2-S2	Total/NA	Solid	Moisture	
480-101358-11	B-POLEBARN-DUP6	Total/NA	Solid	Moisture	
480-101358-12	B108-AREA2-S1	Total/NA	Solid	Moisture	
480-101358-12 MS	B108-AREA2-S1	Total/NA	Solid	Moisture	
480-101358-12 MSD	B108-AREA2-S1	Total/NA	Solid	Moisture	
480-101358-13	B108-AREA2-S2	Total/NA	Solid	Moisture	

Client Sample ID: SB-RINSEBLANK4

Lab Sample ID: 480-101358-1
Matrix: Water
Date Collected: 06/08/16 11:40
Date Received: 06/09/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	306748	06/15/16 16:26	SMY	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-101358-2
Matrix: Water
Date Collected: 06/08/16 11:00
Date Received: 06/09/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	306748	06/15/16 17:53	SMY	TAL BUF

Client Sample ID: B104-AREA2-S1

Lab Sample ID: 480-101358-3
Matrix: Solid
Date Collected: 06/08/16 10:30
Percent Solids: 89.3
Date Received: 06/09/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306409	06/13/16 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306374	06/13/16 16:00	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B104-AREA2-S2

Lab Sample ID: 480-101358-4
Matrix: Solid
Date Collected: 06/08/16 10:40
Percent Solids: 92.4
Date Received: 06/09/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306409	06/13/16 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306374	06/13/16 16:25	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B105-AREA2-S1

Lab Sample ID: 480-101358-5
Matrix: Solid
Date Collected: 06/08/16 11:00
Percent Solids: 91.3
Date Received: 06/09/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A			306454	06/13/16 15:30	SWO	TAL BUF
Total/NA	Analysis	8260C		1	306479	06/14/16 02:45	GVF	TAL BUF
Total/NA	Prep	5035A	DL		306454	06/13/16 15:30	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	10	306573	06/14/16 18:57	GVF	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B105-AREA2-S2

Lab Sample ID: 480-101358-6
Date Collected: 06/08/16 11:05
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306409	06/13/16 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306374	06/13/16 16:51	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B106-AREA2-S1

Lab Sample ID: 480-101358-7
Date Collected: 06/08/16 11:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306409	06/13/16 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306374	06/13/16 17:16	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B106-AREA2-S2

Lab Sample ID: 480-101358-8
Date Collected: 06/08/16 11:35
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 01:30	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B107-AREA2-S1

Lab Sample ID: 480-101358-9
Date Collected: 06/08/16 10:05
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 01:55	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B107-AREA2-S2

Lab Sample ID: 480-101358-10
Date Collected: 06/08/16 10:15
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306409	06/13/16 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306374	06/13/16 17:42	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B-POLEBARN-DUP6

Lab Sample ID: 480-101358-11
Date Collected: 06/08/16 11:10
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306491	06/13/16 21:05	NMD1	TAL BUF
Total/NA	Analysis	8260C		1	306490	06/14/16 02:21	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B108-AREA2-S1

Lab Sample ID: 480-101358-12
Date Collected: 06/08/16 09:30
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306409	06/13/16 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306374	06/13/16 19:25	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Client Sample ID: B108-AREA2-S2

Lab Sample ID: 480-101358-13
Date Collected: 06/08/16 09:45
Matrix: Solid
Date Received: 06/09/16 01:30
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306409	06/13/16 11:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	306374	06/13/16 19:50	NMD1	TAL BUF
Total/NA	Analysis	Moisture		1	306262	06/12/16 23:38	NMD1	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-101358-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-101358-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-101358-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-101358-1	SB-RINSEBLANK4	Water	06/08/16 11:40	06/09/16 01:30
480-101358-2	TRIP BLANK	Water	06/08/16 11:00	06/09/16 01:30
480-101358-3	B104-AREA2-S1	Solid	06/08/16 10:30	06/09/16 01:30
480-101358-4	B104-AREA2-S2	Solid	06/08/16 10:40	06/09/16 01:30
480-101358-5	B105-AREA2-S1	Solid	06/08/16 11:00	06/09/16 01:30
480-101358-6	B105-AREA2-S2	Solid	06/08/16 11:05	06/09/16 01:30
480-101358-7	B106-AREA2-S1	Solid	06/08/16 11:30	06/09/16 01:30
480-101358-8	B106-AREA2-S2	Solid	06/08/16 11:35	06/09/16 01:30
480-101358-9	B107-AREA2-S1	Solid	06/08/16 10:05	06/09/16 01:30
480-101358-10	B107-AREA2-S2	Solid	06/08/16 10:15	06/09/16 01:30
480-101358-11	B-POLEBARN-DUP6	Solid	06/08/16 11:10	06/09/16 01:30
480-101358-12	B108-AREA2-S1	Solid	06/08/16 09:30	06/09/16 01:30
480-101358-13	B108-AREA2-S2	Solid	06/08/16 09:45	06/09/16 01:30

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 303600

Lab Sample ID: IC 480-303600/5 Client Sample ID:

Date Analyzed: 05/25/16 13:46 Lab File ID: C4217.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	6.75	Poor chromatography	goliszekg	05/25/16 16:26
Acetone	6.88	Poor chromatography	goliszekg	05/25/16 16:26
Carbon disulfide	7.14	Poor chromatography	HillL	05/25/16 19:13
Allyl chloride	7.19	Poor chromatography	goliszekg	05/25/16 16:26
Acrylonitrile	7.60	Poor chromatography	goliszekg	05/25/16 16:26
Vinyl acetate	7.92	Poor chromatography	goliszekg	05/25/16 16:29

Lab Sample ID: IC 480-303600/6 Client Sample ID:

Date Analyzed: 05/25/16 14:11 Lab File ID: C4218.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	7.13	Poor chromatography	HillL	05/25/16 19:14
Isobutyl alcohol	8.95	Poor chromatography	goliszekg	05/25/16 16:25
1,4-Dioxane	9.93	Poor chromatography	HillL	05/25/16 19:10

Lab Sample ID: IC 480-303600/7 Client Sample ID:

Date Analyzed: 05/25/16 14:37 Lab File ID: C4219.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	7.14	Poor chromatography	HillL	05/25/16 19:15
Isobutyl alcohol	8.95	Poor chromatography	goliszekg	05/25/16 16:23
1,4-Dioxane	9.93	Poor chromatography	goliszekg	05/25/16 16:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973C Analysis Batch Number: 303600

Lab Sample ID: IC 480-303600/9 Client Sample ID:

Date Analyzed: 05/25/16 15:27 Lab File ID: C4221.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrylonitrile	7.58	Poor chromatography	goliszekg	05/25/16 16:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 305628

Lab Sample ID: IC 480-305628/5 Client Sample ID:

Date Analyzed: 06/08/16 13:08 Lab File ID: F7022.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	2.84	Incomplete Integration	cwiklinc	06/09/16 09:50
Acrylonitrile	3.64	Incomplete Integration	cwiklinc	06/09/16 09:50
2-Butanone (MEK)	4.38	Incomplete Integration	cwiklinc	06/09/16 09:52
Chlorobromomethane	4.59	Incomplete Integration	cwiklinc	06/09/16 09:52
Isobutyl alcohol	4.96	Incomplete Integration	cwiklinc	06/09/16 09:53
1,4-Dioxane	5.92	Assign Peak	cwiklinc	06/09/16 09:53

Lab Sample ID: IC 480-305628/11 Client Sample ID:

Date Analyzed: 06/08/16 15:42 Lab File ID: F7028.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	5.91	Incomplete Integration	cwiklinc	06/09/16 10:02

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973F Analysis Batch Number: 306490

Lab Sample ID: CCVIS 480-306490/3 Client Sample ID:

Date Analyzed: 06/13/16 22:44 Lab File ID: F7175.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	5.91	Peak Tail	diasn	06/13/16 23:40

Lab Sample ID: 480-101358-8 Client Sample ID: B106-AREA2-S2

Date Analyzed: 06/14/16 01:30 Lab File ID: F7180.D GC Column: ZB-624 (30) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	4.39	Incomplete Integration	cwiklinc	06/14/16 09:50
Toluene	6.71	Incomplete Integration	cwiklinc	06/14/16 09:50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 302462

Lab Sample ID: IC 480-302462/4 Client Sample ID:

Date Analyzed: 05/18/16 17:04 Lab File ID: N3474.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.32	Missed Peak	o''briens	05/19/16 09:26
Acrolein	2.75	Poor chromatography	o''briens	05/19/16 09:26
1,1,2-Trichloro-1,2,2-trifluoroethane	2.82	Missed Peak	o''briens	05/19/16 09:26
Allyl chloride	3.16	Poor chromatography	o''briens	05/19/16 09:26
Tetrahydrofuran	4.79	Missed Peak	o''briens	05/19/16 09:26
Chloroform	4.82	Poor chromatography	o''briens	05/19/16 09:26
Cyclohexane	4.97	Poor chromatography	o''briens	05/19/16 09:26
tert-Butylbenzene	10.54	Poor chromatography	o''briens	05/19/16 09:26
1,2-Dibromo-3-Chloropropane	12.03	Missed Peak	o''briens	05/19/16 09:26

Lab Sample ID: IC 480-302462/5 Client Sample ID:

Date Analyzed: 05/18/16 17:31 Lab File ID: N3475.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.91	Poor chromatography	o''briens	05/19/16 09:28
1,4-Dioxane	6.29	Missed Peak	o''briens	05/19/16 09:28
trans-1,4-Dichloro-2-butene	10.04	Poor chromatography	o''briens	05/19/16 14:03

Lab Sample ID: IC 480-302462/6 Client Sample ID:

Date Analyzed: 05/18/16 17:58 Lab File ID: N3476.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.28	Missed Peak	o''briens	05/19/16 09:29

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973N Analysis Batch Number: 302462

Lab Sample ID: IC 480-302462/8 Client Sample ID:

Date Analyzed: 05/18/16 18:51 Lab File ID: N3478.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methyl-2-propanol	3.47	Poor chromatography	o''briens	05/19/16 09:32

Lab Sample ID: ICIS 480-302462/9 Client Sample ID:

Date Analyzed: 05/18/16 19:18 Lab File ID: N3479.D GC Column: ZB-624 (20) ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	6.28	Peak Tail	o''briens	05/19/16 08:42

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8260 CORP mix_00074	06/30/16	05/17/16	Methanol, Lot 127999	20 mL	2-CEVE_00042	800 uL	2-Chloroethyl vinyl ether	100 mg/L
					Acrolein Mix_00147	500 uL	Acrolein	500 mg/L
					Ketones_00043	800 uL	2-Butanone (MEK)	500 mg/L
							2-Hexanone	500 mg/L
							4-Methyl-2-pentanone (MIBK)	500 mg/L
							Acetone	500 mg/L
					MegaMix_00043	800 uL	1,1,1,2-Tetrachloroethane	100 mg/L
							1,1,1-Trichloroethane	100 mg/L
							1,1,2,2-Tetrachloroethane	100 mg/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 mg/L
							1,1,2-Trichloroethane	100 mg/L
							1,1-Dichloroethane	100 mg/L
							1,1-Dichloroethene	100 mg/L
							1,1-Dichloropropene	100 mg/L
							1,2,3-Trichlorobenzene	100 mg/L
							1,2,3-Trichloropropane	100 mg/L
							1,2,4-Trichlorobenzene	100 mg/L
							1,2,4-Trimethylbenzene	100 mg/L
							1,2-Dibromo-3-Chloropropane	100 mg/L
							1,2-Dibromoethane	100 mg/L
							1,2-Dichlorobenzene	100 mg/L
							1,2-Dichloroethane	100 mg/L
							1,2-Dichloropropane	100 mg/L
							1,3,5-Trimethylbenzene	100 mg/L
							1,3-Dichlorobenzene	100 mg/L
							1,3-Dichloropropane	100 mg/L
							1,4-Dichlorobenzene	100 mg/L
							1,4-Dioxane	2000 mg/L
							2,2-Dichloropropane	100 mg/L
							2-Chlorotoluene	100 mg/L
							2-Methyl-2-propanol	1000 mg/L
							3-Chloro-1-propene	100 mg/L
							4-Chlorotoluene	100 mg/L
							4-Isopropyltoluene	100 mg/L
							Acrylonitrile	1000 mg/L
							Benzene	100 mg/L
							Bromobenzene	100 mg/L
							Bromodichloromethane	100 mg/L
							Bromoform	100 mg/L
							Carbon disulfide	100 mg/L
							Carbon tetrachloride	100 mg/L
							Chlorobenzene	100 mg/L
							Chlorobromomethane	100 mg/L
							Chloroform	100 mg/L
							cis-1,2-Dichloroethene	100 mg/L
							cis-1,3-Dichloropropene	100 mg/L
							Cyclohexane	100 mg/L

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	100 mg/L
							Dibromomethane	100 mg/L
							Ethyl ether	100 mg/L
							Ethyl methacrylate	100 mg/L
							Ethylbenzene	100 mg/L
							Hexachlorobutadiene	100 mg/L
							Hexane	100 mg/L
							Iodomethane	100 mg/L
							Isobutyl alcohol	2500 mg/L
							Isopropylbenzene	100 mg/L
							m-Xylene & p-Xylene	100 mg/L
							Methyl acetate	500 mg/L
							Methyl tert-butyl ether	100 mg/L
							Methylcyclohexane	100 mg/L
							Methylene Chloride	100 mg/L
							n-Butylbenzene	100 mg/L
							n-Heptane	100 mg/L
							N-Propylbenzene	100 mg/L
							Naphthalene	100 mg/L
							o-Xylene	100 mg/L
							sec-Butylbenzene	100 mg/L
							Styrene	100 mg/L
							tert-Butylbenzene	100 mg/L
							Tetrachloroethene	100 mg/L
							Tetrahydrofuran	200 mg/L
							Toluene	100 mg/L
							trans-1,2-Dichloroethene	100 mg/L
							trans-1,3-Dichloropropene	100 mg/L
							trans-1,4-Dichloro-2-butene	100 mg/L
							Trichloroethene	100 mg/L
					Vinyl Acetate_00047	800 uL	Vinyl acetate	200 mg/L
.2-CEVE_00042	11/17/16		Restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.Acrolein Mix_00147	06/30/16		Restek, Lot A0117486		(Purchased Reagent)		Acrolein	20000 ug/mL
.Ketones_00043	11/17/16		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MegaMix_00043	01/31/17		Restek, Lot A0108166		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	12500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00047	06/30/16		Restek, Lot A0116112		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260 CORP mix_00075	07/31/16	06/01/16	Methanol, Lot 127999	20 mL	2-CEVE_00043	800 uL	2-Chloroethyl vinyl ether	100 mg/L
					Acrolein Mix_00156	500 uL	Acrolein	500 mg/L
					Ketones_00044	800 uL	2-Butanone (MEK)	500 mg/L
							2-Hexanone	500 mg/L
							4-Methyl-2-pentanone (MIBK)	500 mg/L
							Acetone	500 mg/L
					MegaMix_00044	800 uL	1,1,1,2-Tetrachloroethane	100 mg/L
							1,1,1-Trichloroethane	100 mg/L
							1,1,2,2-Tetrachloroethane	100 mg/L
							1,1,2-Trichloro-1,2,2-trifluoroethane	100 mg/L
							1,1,2-Trichloroethane	100 mg/L
							1,1-Dichloroethane	100 mg/L
							1,1-Dichloroethene	100 mg/L
							1,1-Dichloropropene	100 mg/L
							1,2,3-Trichlorobenzene	100 mg/L
							1,2,3-Trichloropropane	100 mg/L
							1,2,4-Trichlorobenzene	100 mg/L
							1,2,4-Trimethylbenzene	100 mg/L
							1,2-Dibromo-3-Chloropropane	100 mg/L
							1,2-Dibromoethane	100 mg/L
							1,2-Dichlorobenzene	100 mg/L
							1,2-Dichloroethane	100 mg/L
							1,2-Dichloropropane	100 mg/L
							1,3,5-Trimethylbenzene	100 mg/L
							1,3-Dichlorobenzene	100 mg/L
							1,3-Dichloropropane	100 mg/L
							1,4-Dichlorobenzene	100 mg/L
							1,4-Dioxane	2000 mg/L
							2,2-Dichloropropane	100 mg/L
							2-Chlorotoluene	100 mg/L
							2-Methyl-2-propanol	1000 mg/L
							3-Chloro-1-propene	100 mg/L
							4-Chlorotoluene	100 mg/L

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	100 mg/L
							Acrylonitrile	1000 mg/L
							Benzene	100 mg/L
							Bromobenzene	100 mg/L
							Bromodichloromethane	100 mg/L
							Bromoform	100 mg/L
							Carbon disulfide	100 mg/L
							Carbon tetrachloride	100 mg/L
							Chlorobenzene	100 mg/L
							Chlorobromomethane	100 mg/L
							Chloroform	100 mg/L
							cis-1,2-Dichloroethene	100 mg/L
							cis-1,3-Dichloropropene	100 mg/L
							Cyclohexane	100 mg/L
							Dibromochloromethane	100 mg/L
							Dibromomethane	100 mg/L
							Ethyl ether	100 mg/L
							Ethyl methacrylate	100 mg/L
							Ethylbenzene	100 mg/L
							Hexachlorobutadiene	100 mg/L
							Hexane	100 mg/L
							Iodomethane	100 mg/L
							Isobutyl alcohol	2500 mg/L
							Isopropylbenzene	100 mg/L
							m-Xylene	50 mg/L
							m-Xylene & p-Xylene	100 mg/L
							Methyl acetate	500 mg/L
							Methyl tert-butyl ether	100 mg/L
							Methylcyclohexane	100 mg/L
							Methylene Chloride	100 mg/L
							n-Butylbenzene	100 mg/L
							n-Heptane	100 mg/L
							N-Propylbenzene	100 mg/L
							Naphthalene	100 mg/L
							o-Xylene	100 mg/L
							sec-Butylbenzene	100 mg/L
							Styrene	100 mg/L
							tert-Butylbenzene	100 mg/L
							Tetrachloroethene	100 mg/L
							Tetrahydrofuran	200 mg/L
							Toluene	100 mg/L
							trans-1,2-Dichloroethene	100 mg/L
							trans-1,3-Dichloropropene	100 mg/L
							trans-1,4-Dichloro-2-butene	100 mg/L
							Trichloroethene	100 mg/L
					Vinyl Acetate_00061	800 uL	Vinyl acetate	200 mg/L
.2-CEVE_00043	07/31/18		Restek, Lot A0112895		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
.Acrolein Mix_00156	07/31/16		Restek, Lot A0118240		(Purchased Reagent)		Acrolein	20000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.Ketones_00044	08/30/18		Restek, Lot A0113194		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MegaMix_00044	01/31/17		Restek, Lot A0108166		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene	1250 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	12500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00061	09/30/16		Restek, Lot A0118255		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
C_8260_IS_00076	07/24/16	05/24/16	P&T Methanol, Lot 127999	20 mL	IS_STK_00464	1 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene (IS)	125 ug/mL
.IS_STK_00464	11/24/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
C_8260_Surr_00082	07/24/16	05/24/16	P&T Methanol, Lot 0000127999	20 mL	SURR_STK_00134	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00134	11/20/16		Restek, Lot A0115812		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
F 8260 IS_00454	08/08/16	06/08/16	Methanol, Lot 118655	5 mL	IS_STK_00480	500 uL	1,4-Dichlorobenzene-d4	250 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
.IS_STK_00480	12/02/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
F 8260 IS_00455	08/12/16	06/12/16	Methanol, Lot 127999	5 mL	IS_STK_00491	500 uL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
.IS_STK_00491	12/10/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
F 8260 SURR_00149	08/08/16	06/08/16	Methanol, Lot 118655	5 mL	SURR_STK_00140	500 uL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.SURR_STK_00140	12/07/16		Restek, Lot A0115812		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
F 8260 SURR_00150	08/13/16	06/13/16	Methanol, Lot 118655	5 mL	SURR_STK_00140	500 uL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.SURR_STK_00140	12/07/16		Restek, Lot A0115812		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
GAS CORP mix_00155	05/22/16	05/15/16	Methanol, Lot 127999	20 mL	8260/624-Gas_00065	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00065	10/31/18		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00156	05/27/16	05/20/16	Methanol, Lot 127999	20 mL	8260/624-Gas_00066	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00066	10/31/18		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00159	06/13/16	06/06/16	Methanol, Lot 0000127999	20 mL	8260/624-Gas_00070	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00070	06/13/16		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS CORP mix_00160	06/19/16	06/12/16	Methanol, Lot 0000127999	20 mL	8260/624-Gas_00071	800 uL	Bromomethane	100 ug/mL
							Butadiene	100 ug/mL
							Chloroethane	100 ug/mL
							Chloromethane	100 ug/mL
							Dichlorodifluoromethane	100 ug/mL
							Dichlorofluoromethane	100 ug/mL
							Trichlorofluoromethane	100 ug/mL
							Vinyl chloride	100 ug/mL
.8260/624-Gas_00071	10/31/18		Restek, Lot A0115012		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
N 8260 IS_00023	07/17/16	05/17/16	Methanol, Lot 0000127999	20 mL	IS_STK_00463	1 mL	1,4-Dichlorobenzene-d4	125 mg/L
							Chlorobenzene-d5	125 mg/L
							Fluorobenzene (IS)	125 mg/L
.IS_STK_00463	11/17/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
N 8260 IS_00024	08/07/16	06/07/16	Methanol, Lot 0000127999	10 mL	IS_STK_00492	500 uL	1,4-Dichlorobenzene-d4	125 mg/L
							Chlorobenzene-d5	125 mg/L
							Fluorobenzene (IS)	125 mg/L
.IS_STK_00492	12/07/16		Restek, Lot A0117358		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
N_8260_Surr_00185	07/18/16	05/18/16	P&T Methanol, Lot 118655	20 mL	SURR_STK_00121	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00121	11/15/16		Restek, Lot A0114901		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
N_8260_Surr_00189	11/20/16	06/10/16	P&T Methanol, Lot 127999	20 mL	SURR_STK_00134	1 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
.SURR_STK_00134	11/20/16		Restek, Lot A0115812		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Reagent

Acrolein Mix_00156

(156-165)

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0118240

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750 µg/mL, Water, 1 mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2016 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,845.0	µg/mL	+/- 116.1968	µg/mL	Gravimetric
	CAS # 107-02-8	(Lot 160105JLM)			+/- 636.2931	µg/mL	Unstressed
	Purity 99%				+/- 739.6211	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

IS_STK_00480

(480-499)

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30241 **Lot No.:** A0117358

Description : 8260A Internal Standard Mix

8260A Internal Standard Mix 2,500 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Gray. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Fluorobenzene **CAS #** 462-06-6 **Purity** 99% (Lot BCBK8171V)	2,501.8 µg/mL	+/- 14.5457 µg/mL +/- 140.2734 µg/mL +/- 143.5557 µg/mL	Gravimetric Unstressed Stressed
2	Chlorobenzene-d5 **CAS #** 3114-55-4 **Purity** 99% (Lot PR-23926)	2,500.1 µg/mL	+/- 14.5358 µg/mL +/- 140.1781 µg/mL +/- 143.4581 µg/mL	Gravimetric Unstressed Stressed
3	1,4-Dichlorobenzene-d4 **CAS #** 3855-82-1 **Purity** 99% (Lot PR-18488)	2,500.7 µg/mL	+/- 14.5393 µg/mL +/- 140.2118 µg/mL +/- 143.4925 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

Vinyl Acetate_00061

VA 61

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED ISO Guide 34 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0116748

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5000 ug/ml, P&T Methanol, 1 ml/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2016 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)*	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate **CAS #** 108-05-4 **Purity** 99% (Lot STBD7333V)	5,000.0 µg/mL	+/- 29.3428 +/- 301.6985 +/- 302.4147	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (30) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B104-AREA2-S1	480-101358-3	101	111	75
B104-AREA2-S2	480-101358-4	117 *	165 X *	53 X *
B105-AREA2-S2	480-101358-6	108	149 X *	46 X *
B106-AREA2-S1	480-101358-7	104	113	77
B106-AREA2-S2	480-101358-8	107	146 X *	51 X *
B107-AREA2-S1	480-101358-9	101	106	85
B107-AREA2-S2	480-101358-10	105	134 * X	56 * X
B-POLEBARN-DUP6	480-101358-11	110	97	94
B108-AREA2-S1	480-101358-12	107	97	95
B108-AREA2-S2	480-101358-13	108	102	95
	MB 480-306261/2-A	71	82	115
	MB 480-306409/2-A	100	98	100
	MB 480-306491/2-A	101	96	96
	LCS 480-306261/1-A	73	83	114
	LCS 480-306409/1-A	102	97	99
	LCS 480-306491/1-A	105	96	100
B107-AREA2-S2 MS	480-101358-10 MS	63 X	86	113
B108-AREA2-S1 MS	480-101358-12 MS	92	113	67 X
B107-AREA2-S2 MSD	480-101358-10 MSD	62 X	83	115
B108-AREA2-S1 MSD	480-101358-12 MSD	95	107	72

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Medium

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
B105-AREA2-S1	480-101358-5	96	91	112
B105-AREA2-S1 DL	480-101358-5 DL	87	89	119
	MB 480-306454/2-A	93	93	112
	LCS 480-306454/1-A	94	93	113
B105-AREA2-S1 MS	480-101358-5 MS	87	89	116
B105-AREA2-S1 MSD	480-101358-5 MSD	90	88	113

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	53-146
TOL = Toluene-d8 (Surr)	50-149
BFB = 4-Bromofluorobenzene (Surr)	49-148

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB-RINSEBLANK4	480-101358-1	105	96	96
TRIP BLANK	480-101358-2	108	93	94
	MB 480-306748/7	98	93	93
	LCS 480-306748/5	97	100	103

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7122.D

Lab ID: LCS 480-306261/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.1	54.9	110	77-121	
1,1,2,2-Tetrachloroethane	50.1	52.0	104	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.1	52.6	105	60-140	
1,1,2-Trichloroethane	50.1	49.6	99	78-122	
1,1-Dichloroethane	50.1	50.5	101	73-126	
1,1-Dichloroethene	50.1	50.8	101	59-125	
1,2,4-Trichlorobenzene	50.1	50.9	102	64-120	
1,2-Dibromo-3-Chloropropane	50.1	53.4	107	63-124	
1,2-Dibromoethane	50.1	51.1	102	78-120	
1,2-Dichlorobenzene	50.1	50.5	101	75-120	
1,2-Dichloroethane	50.1	52.0	104	77-122	
1,2-Dichloropropane	50.1	49.2	98	75-124	
1,3-Dichlorobenzene	50.1	51.2	102	74-120	
1,4-Dichlorobenzene	50.1	50.5	101	73-120	
2-Butanone (MEK)	251	273	109	70-134	
2-Hexanone	251	261	104	59-130	
4-Methyl-2-pentanone (MIBK)	251	255	102	65-133	
Acetone	251	293	117	61-137	
Benzene	50.1	51.0	102	79-127	
Bromodichloromethane	50.1	52.6	105	80-122	
Bromoform	50.1	53.4	107	68-126	
Bromomethane	50.1	49.0	98	37-149	
Carbon disulfide	50.1	51.0	102	64-131	
Carbon tetrachloride	50.1	55.8	111	75-135	
Chlorobenzene	50.1	49.2	98	76-124	
Chloroethane	50.1	49.9	100	69-135	
Chloroform	50.1	52.0	104	80-118	
Chloromethane	50.1	49.2	98	63-127	
cis-1,2-Dichloroethene	50.1	50.4	101	81-117	
cis-1,3-Dichloropropene	50.1	50.5	101	82-120	
Cyclohexane	50.1	51.0	102	65-106	
Dibromochloromethane	50.1	52.5	105	76-125	
Dichlorodifluoromethane	50.1	63.3	126	57-142	
Ethylbenzene	50.1	50.4	101	80-120	
Isopropylbenzene	50.1	52.2	104	72-120	
Methyl acetate	251	260	104	55-136	
Methyl tert-butyl ether	50.1	51.8	103	63-125	
Methylcyclohexane	50.1	51.7	103	60-140	
Methylene Chloride	50.1	50.0	100	61-127	
Styrene	50.1	49.3	98	80-120	
Tetrachloroethene	50.1	51.6	103	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7122.D

Lab ID: LCS 480-306261/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	50.1	50.3	100	74-128	
trans-1,2-Dichloroethene	50.1	51.0	102	78-126	
trans-1,3-Dichloropropene	50.1	51.3	102	73-123	
Trichloroethene	50.1	52.3	104	77-129	
Trichlorofluoromethane	50.1	54.4	109	65-146	
Vinyl chloride	50.1	49.7	99	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7150.D

Lab ID: LCS 480-306409/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	48.3	46.2	96	77-121	
1,1,2,2-Tetrachloroethane	48.3	48.1	100	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	48.3	44.7	93	60-140	
1,1,2-Trichloroethane	48.3	46.0	95	78-122	
1,1-Dichloroethane	48.3	44.9	93	73-126	
1,1-Dichloroethene	48.3	45.7	95	59-125	
1,2,4-Trichlorobenzene	48.3	45.1	93	64-120	
1,2-Dibromo-3-Chloropropane	48.3	50.7	105	63-124	
1,2-Dibromoethane	48.3	48.2	100	78-120	
1,2-Dichlorobenzene	48.3	45.7	95	75-120	
1,2-Dichloroethane	48.3	47.2	98	77-122	
1,2-Dichloropropane	48.3	44.7	93	75-124	
1,3-Dichlorobenzene	48.3	45.6	95	74-120	
1,4-Dichlorobenzene	48.3	45.2	94	73-120	
2-Butanone (MEK)	241	255	106	70-134	
2-Hexanone	241	241	100	59-130	
4-Methyl-2-pentanone (MIBK)	241	238	99	65-133	
Acetone	241	264	110	61-137	
Benzene	48.3	45.3	94	79-127	
Bromodichloromethane	48.3	47.8	99	80-122	
Bromoform	48.3	47.2	98	68-126	
Bromomethane	48.3	44.2	91	37-149	
Carbon disulfide	48.3	43.7	91	64-131	
Carbon tetrachloride	48.3	46.7	97	75-135	
Chlorobenzene	48.3	45.0	93	76-124	
Chloroethane	48.3	44.8	93	69-135	
Chloroform	48.3	45.9	95	80-118	
Chloromethane	48.3	42.5	88	63-127	
cis-1,2-Dichloroethene	48.3	46.1	95	81-117	
cis-1,3-Dichloropropene	48.3	46.0	95	82-120	
Cyclohexane	48.3	42.3	88	65-106	
Dibromochloromethane	48.3	48.5	101	76-125	
Dichlorodifluoromethane	48.3	50.9	105	57-142	
Ethylbenzene	48.3	44.8	93	80-120	
Isopropylbenzene	48.3	45.2	94	72-120	
Methyl acetate	241	240	99	55-136	
Methyl tert-butyl ether	48.3	47.6	99	63-125	
Methylcyclohexane	48.3	43.5	90	60-140	
Methylene Chloride	48.3	46.6	97	61-127	
Styrene	48.3	44.8	93	80-120	
Tetrachloroethene	48.3	44.6	92	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7150.D

Lab ID: LCS 480-306409/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	48.3	44.4	92	74-128	
trans-1,2-Dichloroethene	48.3	45.1	93	78-126	
trans-1,3-Dichloropropene	48.3	46.7	97	73-123	
Trichloroethene	48.3	46.5	96	77-129	
Trichlorofluoromethane	48.3	46.2	96	65-146	
Vinyl chloride	48.3	42.9	89	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4578.D

Lab ID: LCS 480-306454/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2500	2950	118	68-130	
1,1,2,2-Tetrachloroethane	2500	2260	90	73-119	
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2850	114	10-179	
1,1,2-Trichloroethane	2500	2500	100	81-115	
1,1-Dichloroethane	2500	2620	105	78-121	
1,1-Dichloroethene	2500	2610	105	48-133	
1,2,4-Trichlorobenzene	2500	2250	90	70-140	
1,2-Dibromo-3-Chloropropane	2500	2020	81	56-122	
1,2-Dibromoethane	2500	2570	103	81-119	
1,2-Dichlorobenzene	2500	2280	91	78-125	
1,2-Dichloroethane	2500	2570	103	74-127	
1,2-Dichloropropane	2500	2810	112	81-115	
1,3-Dichlorobenzene	2500	2250	90	82-114	
1,4-Dichlorobenzene	2500	2280	91	81-113	
2-Butanone (MEK)	12500	13600	109	54-149	
2-Hexanone	12500	14400	116	59-127	
4-Methyl-2-pentanone (MIBK)	12500	12300	98	74-120	
Acetone	12500	11400	91	47-141	
Benzene	2500	2640	106	77-125	
Bromodichloromethane	2500	2590	104	71-121	
Bromoform	2500	2580	103	48-125	
Bromomethane	2500	2040	82	39-149	
Carbon disulfide	2500	2470	99	40-136	
Carbon tetrachloride	2500	3100	124	54-135	
Chlorobenzene	2500	2510	101	76-126	
Chloroethane	2500	2010	80	23-164	
Chloroform	2500	2590	104	78-118	
Chloromethane	2500	2810	112	61-124	
cis-1,2-Dichloroethene	2500	2460	99	79-124	
cis-1,3-Dichloropropene	2500	2620	105	75-121	
Cyclohexane	2500	3120	125	49-129	
Dibromochloromethane	2500	2630	105	64-118	
Dichlorodifluoromethane	2500	3060	122	10-150	
Ethylbenzene	2500	2440	98	78-124	
Isopropylbenzene	2500	2490	100	76-119	
Methyl acetate	12500	14400	115	71-123	
Methyl tert-butyl ether	2500	2540	102	67-137	
Methylcyclohexane	2500	2800	112	50-130	
Methylene Chloride	2500	2590	104	75-118	
Styrene	2500	2510	101	84-119	
Tetrachloroethene	2500	2710	108	73-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4578.D

Lab ID: LCS 480-306454/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	2500	2540	102	75-124	
trans-1,2-Dichloroethene	2500	2660	106	74-129	
trans-1,3-Dichloropropene	2500	2510	100	73-118	
Trichloroethene	2500	2790	112	75-131	
Trichlorofluoromethane	2500	3160	126	29-158	
Vinyl chloride	2500	2830	113	59-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7177.D

Lab ID: LCS 480-306491/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	48.4	52.7	109	77-121	
1,1,2,2-Tetrachloroethane	48.4	48.2	100	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	48.4	47.1	97	60-140	
1,1,2-Trichloroethane	48.4	46.3	95	78-122	
1,1-Dichloroethane	48.4	47.8	99	73-126	
1,1-Dichloroethene	48.4	46.3	96	59-125	
1,2,4-Trichlorobenzene	48.4	46.1	95	64-120	
1,2-Dibromo-3-Chloropropane	48.4	53.9	111	63-124	
1,2-Dibromoethane	48.4	48.9	101	78-120	
1,2-Dichlorobenzene	48.4	47.6	98	75-120	
1,2-Dichloroethane	48.4	52.6	109	77-122	
1,2-Dichloropropane	48.4	45.7	94	75-124	
1,3-Dichlorobenzene	48.4	48.1	99	74-120	
1,4-Dichlorobenzene	48.4	47.3	98	73-120	
2-Butanone (MEK)	242	259	107	70-134	
2-Hexanone	242	245	101	59-130	
4-Methyl-2-pentanone (MIBK)	242	238	98	65-133	
Acetone	242	288	119	61-137	
Benzene	48.4	47.7	98	79-127	
Bromodichloromethane	48.4	51.2	106	80-122	
Bromoform	48.4	50.2	104	68-126	
Bromomethane	48.4	43.7	90	37-149	
Carbon disulfide	48.4	46.2	95	64-131	
Carbon tetrachloride	48.4	53.8	111	75-135	
Chlorobenzene	48.4	46.6	96	76-124	
Chloroethane	48.4	44.1	91	69-135	
Chloroform	48.4	50.3	104	80-118	
Chloromethane	48.4	42.4	87	63-127	
cis-1,2-Dichloroethene	48.4	47.5	98	81-117	
cis-1,3-Dichloropropene	48.4	49.2	101	82-120	
Cyclohexane	48.4	45.4	94	65-106	
Dibromochloromethane	48.4	50.2	104	76-125	
Dichlorodifluoromethane	48.4	58.3	120	57-142	
Ethylbenzene	48.4	47.3	98	80-120	
Isopropylbenzene	48.4	47.9	99	72-120	
Methyl acetate	242	248	102	55-136	
Methyl tert-butyl ether	48.4	50.2	104	63-125	
Methylcyclohexane	48.4	45.8	95	60-140	
Methylene Chloride	48.4	48.3	100	61-127	
Styrene	48.4	46.7	96	80-120	
Tetrachloroethene	48.4	47.4	98	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7177.D

Lab ID: LCS 480-306491/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	48.4	46.2	95	74-128	
trans-1,2-Dichloroethene	48.4	47.7	99	78-126	
trans-1,3-Dichloropropene	48.4	48.6	100	73-123	
Trichloroethene	48.4	49.7	103	77-129	
Trichlorofluoromethane	48.4	51.8	107	65-146	
Vinyl chloride	48.4	42.8	88	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5111.D

Lab ID: LCS 480-306748/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.9	96	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.1	101	70-126	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1	97	52-148	
1,1,2-Trichloroethane	25.0	24.8	99	76-122	
1,1-Dichloroethane	25.0	24.1	96	71-129	
1,1-Dichloroethene	25.0	25.8	103	58-121	
1,2,4-Trichlorobenzene	25.0	25.8	103	70-122	
1,2-Dibromo-3-Chloropropane	25.0	23.7	95	56-134	
1,2-Dibromoethane	25.0	24.8	99	77-120	
1,2-Dichlorobenzene	25.0	24.0	96	80-124	
1,2-Dichloroethane	25.0	23.2	93	75-127	
1,2-Dichloropropane	25.0	25.8	103	76-120	
1,3-Dichlorobenzene	25.0	24.1	97	77-120	
1,4-Dichlorobenzene	25.0	24.1	96	75-120	
2-Butanone (MEK)	125	126	101	57-140	
2-Hexanone	125	139	111	65-127	
4-Methyl-2-pentanone (MIBK)	125	134	107	71-125	
Acetone	125	123	98	56-142	
Benzene	25.0	24.8	99	71-124	
Bromodichloromethane	25.0	24.6	99	80-122	
Bromoform	25.0	26.2	105	52-132	
Bromomethane	25.0	23.4	93	55-144	
Carbon disulfide	25.0	28.4	114	59-134	
Carbon tetrachloride	25.0	24.3	97	72-134	
Chlorobenzene	25.0	24.1	97	72-120	
Chloroethane	25.0	24.3	97	69-136	
Chloroform	25.0	23.5	94	73-127	
Chloromethane	25.0	20.7	83	68-124	
cis-1,2-Dichloroethene	25.0	24.5	98	74-124	
cis-1,3-Dichloropropene	25.0	26.8	107	74-124	
Cyclohexane	25.0	27.2	109	59-135	
Dibromochloromethane	25.0	25.3	101	75-125	
Dichlorodifluoromethane	25.0	22.8	91	59-135	
Ethylbenzene	25.0	25.1	100	77-123	
Isopropylbenzene	25.0	26.2	105	77-122	
Methyl acetate	125	123	99	74-133	
Methyl tert-butyl ether	25.0	25.3	101	64-127	
Methylcyclohexane	25.0	26.5	106	61-138	
Methylene Chloride	25.0	26.4	105	57-132	
Styrene	25.0	27.1	108	70-130	
Tetrachloroethene	25.0	24.5	98	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C5111.D

Lab ID: LCS 480-306748/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.8	99	80-122	
trans-1,2-Dichloroethene	25.0	25.1	100	73-127	
trans-1,3-Dichloropropene	25.0	26.4	106	72-123	
Trichloroethene	25.0	24.4	97	74-123	
Trichlorofluoromethane	25.0	23.4	94	62-152	
Vinyl chloride	25.0	21.1	84	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4624.D

Lab ID: 480-101358-5 MS Client ID: B105-AREA2-S1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2720	ND	5980	220	64-116	F1
1,1,2,2-Tetrachloroethane	2720	ND	4400	162	75-120	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	2720	ND	6200	228	40-120	F1
1,1,2-Trichloroethane	2720	ND	5320	195	70-130	F1
1,1-Dichloroethane	2720	ND	5430	199	82-138	F1
1,1-Dichloroethene	2720	ND	5710	210	50-147	F1
1,2,4-Trichlorobenzene	2720	ND	4870	179	40-160	F1
1,2-Dibromo-3-Chloropropane	2720	ND	4150	153	60-110	F1
1,2-Dibromoethane	2720	ND	5040	185	81-119	F1
1,2-Dichlorobenzene	2720	ND	4670	171	80-132	F1
1,2-Dichloroethane	2720	ND	5370	197	78-129	F1
1,2-Dichloropropane	2720	ND	5500	202	76-125	F1
1,3-Dichlorobenzene	2720	ND	4300	158	63-134	F1
1,4-Dichlorobenzene	2720	ND	4740	174	60-134	F1
2-Butanone (MEK)	13600	ND	32100	236	54-149	F1
2-Hexanone	13600	ND	30400	223	70-127	F1
4-Methyl-2-pentanone (MIBK)	13600	ND	27400	201	74-120	F1
Acetone	13600	ND	29200	215	47-141	F1
Benzene	2720	ND	5350	197	77-125	F1
Bromodichloromethane	2720	ND	5180	190	71-121	F1
Bromoform	2720	ND	5070	186	48-125	F1
Bromomethane	2720	ND	2340	86	39-149	
Carbon disulfide	2720	ND	5320	196	40-136	F1
Carbon tetrachloride	2720	ND	7050	259	54-135	F1
Chlorobenzene	2720	ND	5140	189	76-126	F1
Chloroethane	2720	ND	2910	107	23-164	
Chloroform	2720	ND	5410	199	78-118	F1
Chloromethane	2720	ND	2890	106	61-124	
cis-1,2-Dichloroethene	2720	ND	4830	177	79-124	F1
cis-1,3-Dichloropropene	2720	ND	4850	178	75-121	F1
Cyclohexane	2720	ND	6550	241	49-129	F1
Dibromochloromethane	2720	ND	5260	193	64-118	F1
Dichlorodifluoromethane	2720	ND	3030	111	10-150	
Ethylbenzene	2720	ND	4990	183	78-124	F1
Isopropylbenzene	2720	ND	4810	177	76-119	F1
Methyl acetate	13600	ND	30700	226	71-123	F1
Methyl tert-butyl ether	2720	ND	5340	196	67-137	F1
Methylcyclohexane	2720	ND	5950	219	50-130	F1
Methylene Chloride	2720	ND	4570	168	75-118	F1
Styrene	2720	ND	4830	177	84-119	F1
Tetrachloroethene	2720	86000	87600	70	73-133	4

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4624.D

Lab ID: 480-101358-5 MS Client ID: B105-AREA2-S1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toluene	2720	ND	5340	196	75-124	F1
trans-1,2-Dichloroethene	2720	ND	5540	204	74-129	F1
trans-1,3-Dichloropropene	2720	ND	4500	165	73-118	F1
Trichloroethene	2720	2000	7720	210	75-131	F1
Trichlorofluoromethane	2720	ND	2880	106	29-158	
Vinyl chloride	2720	ND	2630	97	59-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7137.D

Lab ID: 480-101358-10 MS Client ID: B107-AREA2-S2 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	61.0	ND	44.3	73	77-121	F1
1,1,2,2-Tetrachloroethane	61.0	ND	34.1	56	80-120	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	61.0	ND	44.6	73	60-140	
1,1,2-Trichloroethane	61.0	ND	35.5	58	78-122	F1
1,1-Dichloroethane	61.0	ND	43.9	72	73-126	F1
1,1-Dichloroethene	61.0	ND	42.6	70	59-125	
1,2,4-Trichlorobenzene	61.0	ND	9.90	16	64-120	F1
1,2-Dibromo-3-Chloropropane	61.0	ND	25.4	42	63-124	F1
1,2-Dibromoethane	61.0	ND	31.0	51	78-120	F1
1,2-Dichlorobenzene	61.0	ND	27.3	45	75-120	F1
1,2-Dichloroethane	61.0	ND	38.0	62	77-122	F1
1,2-Dichloropropane	61.0	ND	39.2	64	75-124	F1
1,3-Dichlorobenzene	61.0	ND	24.7	41	74-120	F1
1,4-Dichlorobenzene	61.0	ND	23.9	39	73-120	F1
2-Butanone (MEK)	305	ND	177	58	70-134	F1
2-Hexanone	305	ND	140	46	59-130	F1
4-Methyl-2-pentanone (MIBK)	305	ND	166	54	65-133	F1
Acetone	305	11 J	206	64	61-137	
Benzene	61.0	ND	41.2	68	79-127	F1
Bromodichloromethane	61.0	ND	39.3	64	80-122	F1
Bromoform	61.0	ND	30.1	49	68-126	F1
Bromomethane	61.0	ND	48.4	79	37-149	
Carbon disulfide	61.0	ND	39.7	65	64-131	
Carbon tetrachloride	61.0	ND	41.6	68	75-135	F1
Chlorobenzene	61.0	ND	33.4	55	76-124	F1
Chloroethane	61.0	ND	47.9	78	69-135	
Chloroform	61.0	ND	43.1	71	80-118	F1
Chloromethane	61.0	ND	50.8	83	63-127	
cis-1,2-Dichloroethene	61.0	ND	41.4	68	81-117	F1
cis-1,3-Dichloropropene	61.0	ND	33.4	55	82-120	F1
Cyclohexane	61.0	ND	38.0	62	65-106	F1
Dibromochloromethane	61.0	ND	36.7	60	76-125	F1
Dichlorodifluoromethane	61.0	ND	49.3	81	57-142	
Ethylbenzene	61.0	ND	33.5	55	80-120	F1
Isopropylbenzene	61.0	ND	36.2	59	72-120	F1
Methyl acetate	305	ND	192	63	55-136	
Methyl tert-butyl ether	61.0	ND	48.4	79	63-125	
Methylcyclohexane	61.0	ND	33.2	54	60-140	F1
Methylene Chloride	61.0	11	50.2	64	61-127	
Styrene	61.0	ND	30.1	49	80-120	F1
Tetrachloroethene	61.0	ND	34.8	57	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7137.D

Lab ID: 480-101358-10 MS Client ID: B107-AREA2-S2 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toluene	61.0	ND	37.6	62	74-128	F1
trans-1,2-Dichloroethene	61.0	ND	40.7	67	78-126	F1
trans-1,3-Dichloropropene	61.0	ND	31.1	51	73-123	F1
Trichloroethene	61.0	ND	36.7	60	77-129	F1
Trichlorofluoromethane	61.0	ND	43.2	71	65-146	
Vinyl chloride	61.0	ND	44.9	74	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7194.D

Lab ID: 480-101358-12 MS Client ID: B108-AREA2-S1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	54.0	ND	53.9	100	77-121	
1,1,2,2-Tetrachloroethane	54.0	ND	83.0	154	80-120	F1 *
1,1,2-Trichloro-1,2,2-trifluoroethane	54.0	ND	49.1	91	60-140	
1,1,2-Trichloroethane	54.0	ND	44.8	83	78-122	
1,1-Dichloroethane	54.0	ND	47.6	88	73-126	
1,1-Dichloroethene	54.0	ND	46.0	85	59-125	
1,2,4-Trichlorobenzene	54.0	ND	12.5	23	64-120	F1 *
1,2-Dibromo-3-Chloropropane	54.0	ND	54.0	100	63-124	*
1,2-Dibromoethane	54.0	ND	35.3	65	78-120	F1
1,2-Dichlorobenzene	54.0	ND	47.5	88	75-120	*
1,2-Dichloroethane	54.0	ND	45.4	84	77-122	
1,2-Dichloropropane	54.0	ND	40.9	76	75-124	
1,3-Dichlorobenzene	54.0	ND	43.5	81	74-120	*
1,4-Dichlorobenzene	54.0	ND	39.3	73	73-120	*
2-Butanone (MEK)	270	ND	171	63	70-134	F1
2-Hexanone	270	ND	149	55	59-130	F1
4-Methyl-2-pentanone (MIBK)	270	ND	195	72	65-133	
Acetone	270	ND	206	76	61-137	
Benzene	54.0	ND	44.0	81	79-127	
Bromodichloromethane	54.0	ND	45.9	85	80-122	
Bromoform	54.0	ND	34.8	64	68-126	F1
Bromomethane	54.0	ND	46.3	86	37-149	
Carbon disulfide	54.0	ND	43.7	81	64-131	
Carbon tetrachloride	54.0	ND	53.2	99	75-135	
Chlorobenzene	54.0	ND	39.9	74	76-124	F1
Chloroethane	54.0	ND	43.3	80	69-135	
Chloroform	54.0	ND	50.3	93	80-118	
Chloromethane	54.0	ND	43.8	81	63-127	
cis-1,2-Dichloroethene	54.0	ND	44.6	83	81-117	
cis-1,3-Dichloropropene	54.0	ND	34.0	63	82-120	F1
Cyclohexane	54.0	ND	40.0	74	65-106	
Dibromochloromethane	54.0	ND	48.3	89	76-125	
Dichlorodifluoromethane	54.0	ND	59.5	110	57-142	
Ethylbenzene	54.0	ND	39.7	74	80-120	F1
Isopropylbenzene	54.0	ND	87.8	163	72-120	F1 *
Methyl acetate	270	ND	174	65	55-136	
Methyl tert-butyl ether	54.0	ND	48.2	89	63-125	
Methylcyclohexane	54.0	ND	35.0	65	60-140	
Methylene Chloride	54.0	ND	57.6	107	61-127	
Styrene	54.0	ND	30.2	56	80-120	F1
Tetrachloroethene	54.0	ND	50.9	94	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7194.D

Lab ID: 480-101358-12 MS Client ID: B108-AREA2-S1 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toluene	54.0	ND	48.2	89	74-128	
trans-1,2-Dichloroethene	54.0	ND	43.7	81	78-126	
trans-1,3-Dichloropropene	54.0	ND	36.2	67	73-123	F1
Trichloroethene	54.0	ND	43.1	80	77-129	
Trichlorofluoromethane	54.0	ND	55.0	102	65-146	
Vinyl chloride	54.0	ND	40.9	76	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4625.D

Lab ID: 480-101358-5 MSD Client ID: B105-AREA2-S1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	2700	6610	245	10	20	64-116	F1
1,1,2,2-Tetrachloroethane	2700	4250	157	3	20	75-120	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	2700	6540	242	5	20	40-120	F1
1,1,2-Trichloroethane	2700	5600	207	5	20	70-130	F1
1,1-Dichloroethane	2700	5700	211	5	20	82-138	F1
1,1-Dichloroethene	2700	5650	209	1	20	50-147	F1
1,2,4-Trichlorobenzene	2700	5040	187	3	20	40-160	F1
1,2-Dibromo-3-Chloropropane	2700	4440	165	7	20	60-110	F1
1,2-Dibromoethane	2700	5010	186	1	20	81-119	F1
1,2-Dichlorobenzene	2700	4450	165	5	20	80-132	F1
1,2-Dichloroethane	2700	5280	195	2	20	78-129	F1
1,2-Dichloropropane	2700	5580	207	1	20	76-125	F1
1,3-Dichlorobenzene	2700	4380	162	2	20	63-134	F1
1,4-Dichlorobenzene	2700	4470	166	6	20	60-134	F1
2-Butanone (MEK)	13500	29400	218	9	20	54-149	F1
2-Hexanone	13500	31800	236	5	20	70-127	F1
4-Methyl-2-pentanone (MIBK)	13500	26500	197	3	20	74-120	F1
Acetone	13500	30600	226	5	20	47-141	F1
Benzene	2700	5510	204	3	20	77-125	F1
Bromodichloromethane	2700	5230	194	1	20	71-121	F1
Bromoform	2700	4870	180	4	20	48-125	F1
Bromomethane	2700	2110	78	10	20	39-149	
Carbon disulfide	2700	5530	205	4	20	40-136	F1
Carbon tetrachloride	2700	6710	248	5	20	54-135	F1
Chlorobenzene	2700	5170	192	1	20	76-126	F1
Chloroethane	2700	2890	107	1	20	23-164	
Chloroform	2700	5190	192	4	20	78-118	F1
Chloromethane	2700	2930	108	1	20	61-124	
cis-1,2-Dichloroethene	2700	5050	187	5	20	79-124	F1
cis-1,3-Dichloropropene	2700	4740	176	2	20	75-121	F1
Cyclohexane	2700	6660	247	2	20	49-129	F1
Dibromochloromethane	2700	5220	193	1	20	64-118	F1
Dichlorodifluoromethane	2700	3190	118	5	20	10-150	
Ethylbenzene	2700	4930	183	1	20	78-124	F1
Isopropylbenzene	2700	4880	181	1	20	76-119	F1
Methyl acetate	13500	30400	225	1	20	71-123	F1
Methyl tert-butyl ether	2700	5470	202	2	20	67-137	F1
Methylcyclohexane	2700	6300	233	6	20	50-130	F1
Methylene Chloride	2700	4220	156	8	20	75-118	F1
Styrene	2700	4860	180	1	20	84-119	F1
Tetrachloroethene	2700	85000	-25	3	20	73-133	4

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Medium Lab File ID: N4625.D

Lab ID: 480-101358-5 MSD Client ID: B105-AREA2-S1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	2700	4920	182	8	20	75-124	F1
trans-1,2-Dichloroethene	2700	5350	198	3	20	74-129	F1
trans-1,3-Dichloropropene	2700	4920	182	9	20	73-118	F1
Trichloroethene	2700	7610	208	1	20	75-131	F1
Trichlorofluoromethane	2700	2760	102	4	20	29-158	
Vinyl chloride	2700	2740	101	4	20	59-124	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7138.D

Lab ID: 480-101358-10 MSD Client ID: B107-AREA2-S2 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	59.2	38.5	65	14	30	77-121	F1
1,1,2,2-Tetrachloroethane	59.2	28.7	49	17	30	80-120	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	59.2	37.5	63	17	30	60-140	
1,1,2-Trichloroethane	59.2	31.0	52	14	30	78-122	F1
1,1-Dichloroethane	59.2	37.4	63	16	30	73-126	F1
1,1-Dichloroethene	59.2	35.4	60	18	30	59-125	
1,2,4-Trichlorobenzene	59.2	7.34	12	30	30	64-120	F1
1,2-Dibromo-3-Chloropropane	59.2	19.7	33	25	30	63-124	F1
1,2-Dibromoethane	59.2	25.4	43	20	30	78-120	F1
1,2-Dichlorobenzene	59.2	20.4	34	29	30	75-120	F1
1,2-Dichloroethane	59.2	33.3	56	13	30	77-122	F1
1,2-Dichloropropane	59.2	34.2	58	14	30	75-124	F1
1,3-Dichlorobenzene	59.2	17.7	30	33	30	74-120	F1 F2
1,4-Dichlorobenzene	59.2	17.0	29	33	30	73-120	F1 F2
2-Butanone (MEK)	296	169	57	5	30	70-134	F1
2-Hexanone	296	126	43	11	30	59-130	F1
4-Methyl-2-pentanone (MIBK)	296	149	50	11	30	65-133	F1
Acetone	296	195	62	5	30	61-137	
Benzene	59.2	35.1	59	16	30	79-127	F1
Bromodichloromethane	59.2	34.5	58	13	30	80-122	F1
Bromoform	59.2	25.1	42	18	30	68-126	F1
Bromomethane	59.2	41.6	70	15	30	37-149	
Carbon disulfide	59.2	32.6	55	20	30	64-131	F1
Carbon tetrachloride	59.2	35.7	60	15	30	75-135	F1
Chlorobenzene	59.2	26.5	45	23	30	76-124	F1
Chloroethane	59.2	40.5	68	17	30	69-135	F1
Chloroform	59.2	37.4	63	14	30	80-118	F1
Chloromethane	59.2	44.2	75	14	30	63-127	
cis-1,2-Dichloroethene	59.2	35.4	60	16	30	81-117	F1
cis-1,3-Dichloropropene	59.2	28.2	48	17	30	82-120	F1
Cyclohexane	59.2	32.2	54	17	30	65-106	F1
Dibromochloromethane	59.2	30.9	52	17	30	76-125	F1
Dichlorodifluoromethane	59.2	44.4	75	10	30	57-142	
Ethylbenzene	59.2	26.4	45	24	30	80-120	F1
Isopropylbenzene	59.2	27.3	46	28	30	72-120	F1
Methyl acetate	296	177	60	8	30	55-136	
Methyl tert-butyl ether	59.2	44.8	76	8	30	63-125	
Methylcyclohexane	59.2	27.2	46	20	30	60-140	F1
Methylene Chloride	59.2	46.3	60	8	30	61-127	F1
Styrene	59.2	23.3	39	25	30	80-120	F1
Tetrachloroethene	59.2	27.7	47	23	30	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7138.D

Lab ID: 480-101358-10 MSD Client ID: B107-AREA2-S2 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	59.2	30.8	52	20	30	74-128	F1
trans-1,2-Dichloroethene	59.2	33.1	56	21	30	78-126	F1
trans-1,3-Dichloropropene	59.2	25.3	43	20	30	73-123	F1
Trichloroethene	59.2	30.2	51	19	30	77-129	F1
Trichlorofluoromethane	59.2	36.4	61	17	30	65-146	F1
Vinyl chloride	59.2	37.5	63	18	30	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7195.D

Lab ID: 480-101358-12 MSD Client ID: B108-AREA2-S1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	54.4	48.2	89	11	30	77-121	
1,1,2,2-Tetrachloroethane	54.4	67.7	124	20	30	80-120	F1 *
1,1,2-Trichloro-1,2,2-trifluoroethane	54.4	42.4	78	15	30	60-140	
1,1,2-Trichloroethane	54.4	39.0	72	14	30	78-122	F1
1,1-Dichloroethane	54.4	43.1	79	10	30	73-126	
1,1-Dichloroethene	54.4	40.9	75	12	30	59-125	
1,2,4-Trichlorobenzene	54.4	9.04	17	32	30	64-120	F1 F2 *
1,2-Dibromo-3-Chloropropane	54.4	46.5	86	15	30	63-124	*
1,2-Dibromoethane	54.4	31.5	58	11	30	78-120	F1
1,2-Dichlorobenzene	54.4	35.1	65	30	30	75-120	F1 *
1,2-Dichloroethane	54.4	42.2	77	7	30	77-122	
1,2-Dichloropropane	54.4	36.4	67	12	30	75-124	F1
1,3-Dichlorobenzene	54.4	30.7	56	35	30	74-120	F1 F2 *
1,4-Dichlorobenzene	54.4	27.8	51	34	30	73-120	F1 F2 *
2-Butanone (MEK)	272	173	64	1	30	70-134	F1
2-Hexanone	272	144	53	4	30	59-130	F1
4-Methyl-2-pentanone (MIBK)	272	181	66	7	30	65-133	
Acetone	272	220	81	7	30	61-137	
Benzene	54.4	39.6	73	10	30	79-127	F1
Bromodichloromethane	54.4	42.1	77	9	30	80-122	F1
Bromoform	54.4	30.2	56	14	30	68-126	F1
Bromomethane	54.4	42.9	79	8	30	37-149	
Carbon disulfide	54.4	36.7	67	17	30	64-131	
Carbon tetrachloride	54.4	46.4	85	14	30	75-135	
Chlorobenzene	54.4	31.9	59	22	30	76-124	F1
Chloroethane	54.4	38.8	71	11	30	69-135	
Chloroform	54.4	45.4	83	10	30	80-118	
Chloromethane	54.4	40.4	74	8	30	63-127	
cis-1,2-Dichloroethene	54.4	39.7	73	12	30	81-117	F1
cis-1,3-Dichloropropene	54.4	31.0	57	9	30	82-120	F1
Cyclohexane	54.4	33.9	62	17	30	65-106	F1
Dibromochloromethane	54.4	40.4	74	18	30	76-125	F1
Dichlorodifluoromethane	54.4	49.9	92	18	30	57-142	
Ethylbenzene	54.4	31.5	58	23	30	80-120	F1
Isopropylbenzene	54.4	62.7	115	33	30	72-120	F2 *
Methyl acetate	272	184	68	5	30	55-136	
Methyl tert-butyl ether	54.4	48.8	90	1	30	63-125	
Methylcyclohexane	54.4	29.6	54	17	30	60-140	F1
Methylene Chloride	54.4	58.7	108	2	30	61-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7195.D

Lab ID: 480-101358-12 MSD Client ID: B108-AREA2-S1 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Styrene	54.4	24.8	46	20	30	80-120	F1
Tetrachloroethene	54.4	36.8	68	32	30	74-122	F1 F2
Toluene	54.4	38.9	71	21	30	74-128	F1
trans-1,2-Dichloroethene	54.4	37.9	70	14	30	78-126	F1
trans-1,3-Dichloropropene	54.4	30.4	56	18	30	73-123	F1
Trichloroethene	54.4	35.9	66	18	30	77-129	F1
Trichlorofluoromethane	54.4	47.4	87	15	30	65-146	
Vinyl chloride	54.4	36.7	68	11	30	61-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: F7124.D Lab Sample ID: MB 480-306261/2-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: HP5973F Date Analyzed: 06/12/2016 23:59

GC Column: ZB-624 (30) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306261/1-A	F7122.D	06/12/2016 23:08
B107-AREA2-S2 MS	480-101358-10 MS	F7137.D	06/13/2016 05:43
B107-AREA2-S2 MSD	480-101358-10 MSD	F7138.D	06/13/2016 06:08

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: F7152.D Lab Sample ID: MB 480-306409/2-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: HP5973F Date Analyzed: 06/13/2016 12:51

GC Column: ZB-624 (30) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306409/1-A	F7150.D	06/13/2016 12:01
B104-AREA2-S1	480-101358-3	F7159.D	06/13/2016 16:00
B104-AREA2-S2	480-101358-4	F7160.D	06/13/2016 16:25
B105-AREA2-S2	480-101358-6	F7161.D	06/13/2016 16:51
B106-AREA2-S1	480-101358-7	F7162.D	06/13/2016 17:16
B107-AREA2-S2	480-101358-10	F7163.D	06/13/2016 17:42
B108-AREA2-S1	480-101358-12	F7167.D	06/13/2016 19:25
B108-AREA2-S2	480-101358-13	F7168.D	06/13/2016 19:50

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: N4581.D Lab Sample ID: MB 480-306454/2-A

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: HP5973N Date Analyzed: 06/14/2016 00:57

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306454/1-A	N4578.D	06/13/2016 23:37
B105-AREA2-S1	480-101358-5	N4585.D	06/14/2016 02:45
B105-AREA2-S1 DL	480-101358-5 DL	N4621.D	06/14/2016 18:57
B105-AREA2-S1 MS	480-101358-5 MS	N4624.D	06/14/2016 20:18
B105-AREA2-S1 MSD	480-101358-5 MSD	N4625.D	06/14/2016 20:44

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: F7179.D Lab Sample ID: MB 480-306491/2-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: HP5973F Date Analyzed: 06/14/2016 01:00

GC Column: ZB-624 (30) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306491/1-A	F7177.D	06/14/2016 00:08
B106-AREA2-S2	480-101358-8	F7180.D	06/14/2016 01:30
B107-AREA2-S1	480-101358-9	F7181.D	06/14/2016 01:55
B-POLEBARN-DUP6	480-101358-11	F7182.D	06/14/2016 02:21
B108-AREA2-S1 MS	480-101358-12 MS	F7194.D	06/14/2016 07:28
B108-AREA2-S1 MSD	480-101358-12 MSD	F7195.D	06/14/2016 07:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: C5113.D Lab Sample ID: MB 480-306748/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973C Date Analyzed: 06/15/2016 11:29

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-306748/5	C5111.D	06/15/2016 10:38
SB-RINSEBLANK4	480-101358-1	C5123.D	06/15/2016 16:26
TRIP BLANK	480-101358-2	C5124.D	06/15/2016 17:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: C4215.D BFB Injection Date: 05/25/2016

Instrument ID: HP5973C BFB Injection Time: 12:48

Analysis Batch No.: 303600

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.2	
75	30.0 - 60.0 % of mass 95	48.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.3	
175	5.0 - 9.0 % of mass 174	5.9	(6.8) 1
176	95.0 - 101.0 % of mass 174	83.1	(96.3) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-303600/5	C4217.D	05/25/2016	13:46
	IC 480-303600/6	C4218.D	05/25/2016	14:11
	IC 480-303600/7	C4219.D	05/25/2016	14:37
	IC 480-303600/8	C4220.D	05/25/2016	15:02
	IC 480-303600/9	C4221.D	05/25/2016	15:27
	ICIS 480-303600/10	C4222.D	05/25/2016	15:52
	IC 480-303600/11	C4223.D	05/25/2016	16:18
	IC 480-303600/12	C4224.D	05/25/2016	16:43

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: C5108.D BFB Injection Date: 06/15/2016

Instrument ID: HP5973C BFB Injection Time: 09:17

Analysis Batch No.: 306748

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.5	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.8	
175	5.0 - 9.0 % of mass 174	6.4	(7.0) 1
176	95.0 - 101.0 % of mass 174	87.2	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306748/3	C5109.D	06/15/2016	09:47
	LCS 480-306748/5	C5111.D	06/15/2016	10:38
	MB 480-306748/7	C5113.D	06/15/2016	11:29
SB-RINSEBLANK4	480-101358-1	C5123.D	06/15/2016	16:26
TRIP BLANK	480-101358-2	C5124.D	06/15/2016	17:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: F7020.D BFB Injection Date: 06/08/2016

Instrument ID: HP5973F BFB Injection Time: 12:11

Analysis Batch No.: 305628

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	79.5	
175	5.0 - 9.0 % of mass 174	6.1	(7.6) 1
176	95.0 - 101.0 % of mass 174	77.5	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-305628/5	F7022.D	06/08/2016	13:08
	IC 480-305628/6	F7023.D	06/08/2016	13:34
	IC 480-305628/7	F7024.D	06/08/2016	13:59
	IC 480-305628/8	F7025.D	06/08/2016	14:25
	ICIS 480-305628/9	F7026.D	06/08/2016	14:51
	IC 480-305628/10	F7027.D	06/08/2016	15:17
	IC 480-305628/11	F7028.D	06/08/2016	15:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: F7119.D BFB Injection Date: 06/12/2016

Instrument ID: HP5973F BFB Injection Time: 21:42

Analysis Batch No.: 306259

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.9	
75	30.0 - 60.0 % of mass 95	50.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	75.5	
175	5.0 - 9.0 % of mass 174	5.6	(7.4) 1
176	95.0 - 101.0 % of mass 174	75.7	(100.3) 1
177	5.0 - 9.0 % of mass 176	5.7	(7.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306259/4	F7120.D	06/12/2016	22:08
	LCS 480-306261/1-A	F7122.D	06/12/2016	23:08
	MB 480-306261/2-A	F7124.D	06/12/2016	23:59
B107-AREA2-S2 MS	480-101358-10 MS	F7137.D	06/13/2016	05:43
B107-AREA2-S2 MSD	480-101358-10 MSD	F7138.D	06/13/2016	06:08

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: F7147.D BFB Injection Date: 06/13/2016

Instrument ID: HP5973F BFB Injection Time: 10:29

Analysis Batch No.: 306374

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	52.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	77.6	
175	5.0 - 9.0 % of mass 174	5.5	(7.1) 1
176	95.0 - 101.0 % of mass 174	76.2	(98.2) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306374/3	F7148.D	06/13/2016	10:56
	LCS 480-306409/1-A	F7150.D	06/13/2016	12:01
	MB 480-306409/2-A	F7152.D	06/13/2016	12:51
B104-AREA2-S1	480-101358-3	F7159.D	06/13/2016	16:00
B104-AREA2-S2	480-101358-4	F7160.D	06/13/2016	16:25
B105-AREA2-S2	480-101358-6	F7161.D	06/13/2016	16:51
B106-AREA2-S1	480-101358-7	F7162.D	06/13/2016	17:16
B107-AREA2-S2	480-101358-10	F7163.D	06/13/2016	17:42
B108-AREA2-S1	480-101358-12	F7167.D	06/13/2016	19:25
B108-AREA2-S2	480-101358-13	F7168.D	06/13/2016	19:50

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: F7174.D BFB Injection Date: 06/13/2016

Instrument ID: HP5973F BFB Injection Time: 22:11

Analysis Batch No.: 306490

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	58.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.2	
175	5.0 - 9.0 % of mass 174	6.1	(7.6) 1
176	95.0 - 101.0 % of mass 174	78.8	(98.3) 1
177	5.0 - 9.0 % of mass 176	5.7	(7.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306490/3	F7175.D	06/13/2016	22:44
	LCS 480-306491/1-A	F7177.D	06/14/2016	00:08
	MB 480-306491/2-A	F7179.D	06/14/2016	01:00
B106-AREA2-S2	480-101358-8	F7180.D	06/14/2016	01:30
B107-AREA2-S1	480-101358-9	F7181.D	06/14/2016	01:55
B-POLEBARN-DUP6	480-101358-11	F7182.D	06/14/2016	02:21
B108-AREA2-S1 MS	480-101358-12 MS	F7194.D	06/14/2016	07:28
B108-AREA2-S1 MSD	480-101358-12 MSD	F7195.D	06/14/2016	07:53

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: N3472.D BFB Injection Date: 05/18/2016

Instrument ID: HP5973N BFB Injection Time: 16:10

Analysis Batch No.: 302462

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.5	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	50.0 - 120.00 % of mass 95	72.3	
175	5.0 - 9.0 % of mass 174	5.1	(7.1) 1
176	95.0 - 101.0 % of mass 174	69.9	(96.7) 1
177	5.0 - 9.0 % of mass 176	5.1	(7.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-302462/4	N3474.D	05/18/2016	17:04
	IC 480-302462/5	N3475.D	05/18/2016	17:31
	IC 480-302462/6	N3476.D	05/18/2016	17:58
	IC 480-302462/7	N3477.D	05/18/2016	18:25
	IC 480-302462/8	N3478.D	05/18/2016	18:51
	ICIS 480-302462/9	N3479.D	05/18/2016	19:18
	IC 480-302462/10	N3480.D	05/18/2016	19:45
	IC 480-302462/11	N3481.D	05/18/2016	20:11

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: N4575.D BFB Injection Date: 06/13/2016

Instrument ID: HP5973N BFB Injection Time: 22:19

Analysis Batch No.: 306479

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.6	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	50.0 - 120.00 % of mass 95	84.6	
175	5.0 - 9.0 % of mass 174	5.7	(6.7) 1
176	95.0 - 101.0 % of mass 174	80.7	(95.3) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.0) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306479/3	N4576.D	06/13/2016	22:43
	LCS 480-306454/1-A	N4578.D	06/13/2016	23:37
	MB 480-306454/2-A	N4581.D	06/14/2016	00:57
B105-AREA2-S1	480-101358-5	N4585.D	06/14/2016	02:45

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab File ID: N4600.D BFB Injection Date: 06/14/2016

Instrument ID: HP5973N BFB Injection Time: 09:32

Analysis Batch No.: 306573

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.3	
75	30.0 - 60.0 % of mass 95	49.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	50.0 - 120.00 % of mass 95	84.9	
175	5.0 - 9.0 % of mass 174	6.4	(7.6) 1
176	95.0 - 101.0 % of mass 174	81.5	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-306573/2	N4601.D	06/14/2016	09:58
B105-AREA2-S1 DL	480-101358-5 DL	N4621.D	06/14/2016	18:57
B105-AREA2-S1 MS	480-101358-5 MS	N4624.D	06/14/2016	20:18
B105-AREA2-S1 MSD	480-101358-5 MSD	N4625.D	06/14/2016	20:44

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: ICIS 480-303600/10 Date Analyzed: 05/25/2016 15:52

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): C4222.D Heated Purge: (Y/N) N

Calibration ID: 27553

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		159243	9.37	322691	11.76	341937	13.78
UPPER LIMIT		318486	9.87	645382	12.26	683874	14.28
LOWER LIMIT		79622	8.87	161346	11.26	170969	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-306748/3		122806	9.36	262220	11.76	282692	13.78

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: CCVIS 480-306748/3 Date Analyzed: 06/15/2016 09:47

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): C5109.D Heated Purge: (Y/N) N

Calibration ID: 27553

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		122806	9.36	262220	11.76	282692	13.78
UPPER LIMIT		245612	9.86	524440	12.26	565384	14.28
LOWER LIMIT		61403	8.86	131110	11.26	141346	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306748/5		125076	9.36	260283	11.76	273738	13.78
MB 480-306748/7		119122	9.36	257799	11.77	250062	13.78
480-101358-1	SB-RINSEBLANK4	112598	9.37	237803	11.76	232458	13.78
480-101358-2	TRIP BLANK	112619	9.36	245717	11.77	240154	13.78

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: ICIS 480-305628/9 Date Analyzed: 06/08/2016 14:51

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm)

Lab File ID (Standard): F7026.D Heated Purge: (Y/N) Y

Calibration ID: 27710

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		245779	5.28	499170	8.08	450599	10.44
UPPER LIMIT		491558	5.78	998340	8.58	901198	10.94
LOWER LIMIT		122890	4.78	249585	7.58	225300	9.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-306259/4		230474	5.28	469950	8.08	423205	10.44
CCVIS 480-306374/3		233535	5.28	480460	8.08	435880	10.44
CCVIS 480-306490/3		193355	5.28	412783	8.08	359971	10.44

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: CCVIS 480-306259/4 Date Analyzed: 06/12/2016 22:08

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm)

Lab File ID (Standard): F7120.D Heated Purge: (Y/N) Y

Calibration ID: 27713

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		230474	5.28	469950	8.08	423205	10.44
UPPER LIMIT		460948	5.78	939900	8.58	846410	10.94
LOWER LIMIT		115237	4.78	234975	7.58	211603	9.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306261/1-A		227633	5.28	472629	8.08	413767	10.44
MB 480-306261/2-A		224735	5.28	466807	8.08	411803	10.44
480-101358-10 MS	B107-AREA2-S2 MS	234528	5.28	456766	8.08	365663	10.44
480-101358-10 MSD	B107-AREA2-S2 MSD	241220	5.28	481063	8.08	400206	10.44

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: CCVIS 480-306374/3 Date Analyzed: 06/13/2016 10:56

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm)

Lab File ID (Standard): F7148.D Heated Purge: (Y/N) Y

Calibration ID: 27713

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		233535	5.28	480460	8.08	435880	10.44
UPPER LIMIT		467070	5.78	960920	8.58	871760	10.94
LOWER LIMIT		116768	4.78	240230	7.58	217940	9.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306409/1-A		226797	5.28	467096	8.08	415317	10.44
MB 480-306409/2-A		223533	5.28	450748	8.08	399797	10.44
480-101358-3	B104-AREA2-S1	194313	5.29	337426	8.08	169275*	10.44
480-101358-4	B104-AREA2-S2	113307*	5.28	90845*	8.08	36570*	10.44
480-101358-6	B105-AREA2-S2	151305	5.29	147931*	8.09	48598*	10.44
480-101358-7	B106-AREA2-S1	178680	5.28	303790	8.08	175164*	10.44
480-101358-10	B107-AREA2-S2	162847	5.29	205544*	8.08	72138*	10.44
480-101358-12	B108-AREA2-S1	185021	5.29	374606	8.08	313080	10.44
480-101358-13	B108-AREA2-S2	168275	5.28	331099	8.08	264524	10.44

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
Area Limit = 50%-200% of internal standard area
DCB = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: CCVIS 480-306490/3 Date Analyzed: 06/13/2016 22:44

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm)

Lab File ID (Standard): F7175.D Heated Purge: (Y/N) Y

Calibration ID: 27713

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		193355	5.28	412783	8.08	359971	10.44
UPPER LIMIT		386710	5.78	825566	8.58	719942	10.94
LOWER LIMIT		96678	4.78	206392	7.58	179986	9.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306491/1-A		206811	5.29	436385	8.08	385794	10.44
MB 480-306491/2-A		198191	5.28	407477	8.08	350126	10.44
480-101358-8	B106-AREA2-S2	152281	5.29	153943*	8.08	50020*	10.44
480-101358-9	B107-AREA2-S1	175088	5.28	313420	8.08	212216	10.44
480-101358-11	B-POLEBARN-DUP6	179997	5.28	367936	8.08	282572	10.44
480-101358-12 MS	B108-AREA2-S1 MS	162233	5.28	260570	8.08	99776*	10.44
480-101358-12 MSD	B108-AREA2-S1 MSD	164822	5.28	289425	8.08	123889*	10.44

FB = Fluorobenzene (IS)
FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: ICIS 480-302462/9 Date Analyzed: 05/18/2016 19:18

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N3479.D Heated Purge: (Y/N) N

Calibration ID: 27507

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		172739	5.56	556081	8.56	261733	10.94
UPPER LIMIT		345478	6.06	1112162	9.06	523466	11.44
LOWER LIMIT		86370	5.06	278041	8.06	130867	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-306479/3		94323	5.56	322971	8.56	156173	10.94
CCVIS 480-306573/2		116783	5.56	388966	8.56	187357	10.94

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: CCVIS 480-306479/3 Date Analyzed: 06/13/2016 22:43

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N4576.D Heated Purge: (Y/N) N

Calibration ID: 27505

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		94323	5.56	322971	8.56	156173	10.94
UPPER LIMIT		188646	6.06	645942	9.06	312346	11.44
LOWER LIMIT		47162	5.06	161486	8.06	78087	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-306454/1-A		92867	5.56	315921	8.56	153724	10.94
MB 480-306454/2-A		89450	5.56	298502	8.56	150150	10.94
480-101358-5	B105-AREA2-S1	92942	5.56	325010	8.56	161088	10.94

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Sample No.: CCVIS 480-306573/2 Date Analyzed: 06/14/2016 09:58

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N4601.D Heated Purge: (Y/N) N

Calibration ID: 27505

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		116783	5.56	388966	8.56	187357	10.94
UPPER LIMIT		233566	6.06	777932	9.06	374714	11.44
LOWER LIMIT		58392	5.06	194483	8.06	93679	10.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-101358-5 DL	B105-AREA2-S1 DL	94432	5.56	307827	8.56	151270	10.94
480-101358-5 MS	B105-AREA2-S1 MS	93440	5.56	311885	8.56	154978	10.94
480-101358-5 MSD	B105-AREA2-S1 MSD	92650	5.56	315163	8.56	156213	10.94

FB = Fluorobenzene (IS)
CBZ = Chlorobenzene-d5
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: SB-RINSEBLANK4 | Lab Sample ID: 480-101358-1

Matrix: Water | Lab File ID: C5123.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 16:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: SB-RINSEBLANK4 | Lab Sample ID: 480-101358-1

Matrix: Water | Lab File ID: C5123.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 16:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	96		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5123.D
Lims ID: 480-101358-A-1
Client ID: SB-RINSEBLANK4
Sample Type: Client
Inject. Date: 15-Jun-2016 16:26:30 ALS Bottle#: 43 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-1
Misc. Info.: 480-0054049-008
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 17:56:30 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: youngmans Date: 15-Jun-2016 17:56:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.357	0.012	98	112598	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	88	237803	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	232458	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.132	0.012	0	100260	26.1	
$ 5 Toluene-d8 (Surr)	98	10.578	10.578	0.000	94	513189	24.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	94	173279	23.9	
10 Dichlorodifluoromethane	85		4.448				ND	
12 Chloromethane	50		4.863				ND	
13 Vinyl chloride	62		5.076				ND	
14 Bromomethane	94		5.681				ND	
15 Chloroethane	64		5.823				ND	
17 Trichlorofluoromethane	101		6.155				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.819				ND	
23 Acetone	43	6.890	6.890	0.023	93	5140	1.46	
26 Carbon disulfide	76		7.139				ND	
27 Methyl acetate	43		7.163				ND	
30 Methylene Chloride	84		7.341				ND	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96		7.566				ND	
39 1,1-Dichloroethane	63		7.958				ND	
43 2-Butanone (MEK)	43		8.420				ND	
45 cis-1,2-Dichloroethene	96		8.456				ND	
50 Chloroform	83		8.693				ND	
51 1,1,1-Trichloroethane	97		8.871				ND	
52 Cyclohexane	56		8.906				ND	
55 Carbon tetrachloride	117		9.001				ND	
57 Benzene	78		9.179				ND	
58 1,2-Dichloroethane	62		9.203				ND	
62 Trichloroethene	95		9.642				ND	
64 Methylcyclohexane	83		9.784				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		9.855				ND	
68 Dichlorobromomethane	83		10.057				ND	
72 cis-1,3-Dichloropropene	75		10.377				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.412				ND	
74 Toluene	92		10.638				ND	
77 trans-1,3-Dichloropropene	75		10.792				ND	
79 1,1,2-Trichloroethane	83		10.970				ND	
80 2-Hexanone	43		11.053				ND	
81 Tetrachloroethene	166		11.088				ND	
83 Chlorodibromomethane	129		11.337				ND	
84 Ethylene Dibromide	107		11.468				ND	
87 Chlorobenzene	112		11.788				ND	
88 Ethylbenzene	91		11.800				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.227				ND	
92 Styrene	104		12.239				ND	
94 Isopropylbenzene	105		12.488				ND	
95 Bromoform	173		12.523				ND	
97 1,1,2,2-Tetrachloroethane	83		12.796				ND	
111 1,3-Dichlorobenzene	146		13.721				ND	
113 1,4-Dichlorobenzene	146		13.804				ND	
116 1,2-Dichlorobenzene	146		14.219				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.108				ND	
119 1,2,4-Trichlorobenzene	180		16.128				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00076	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added: 1.00	Units: uL	Run Reagent

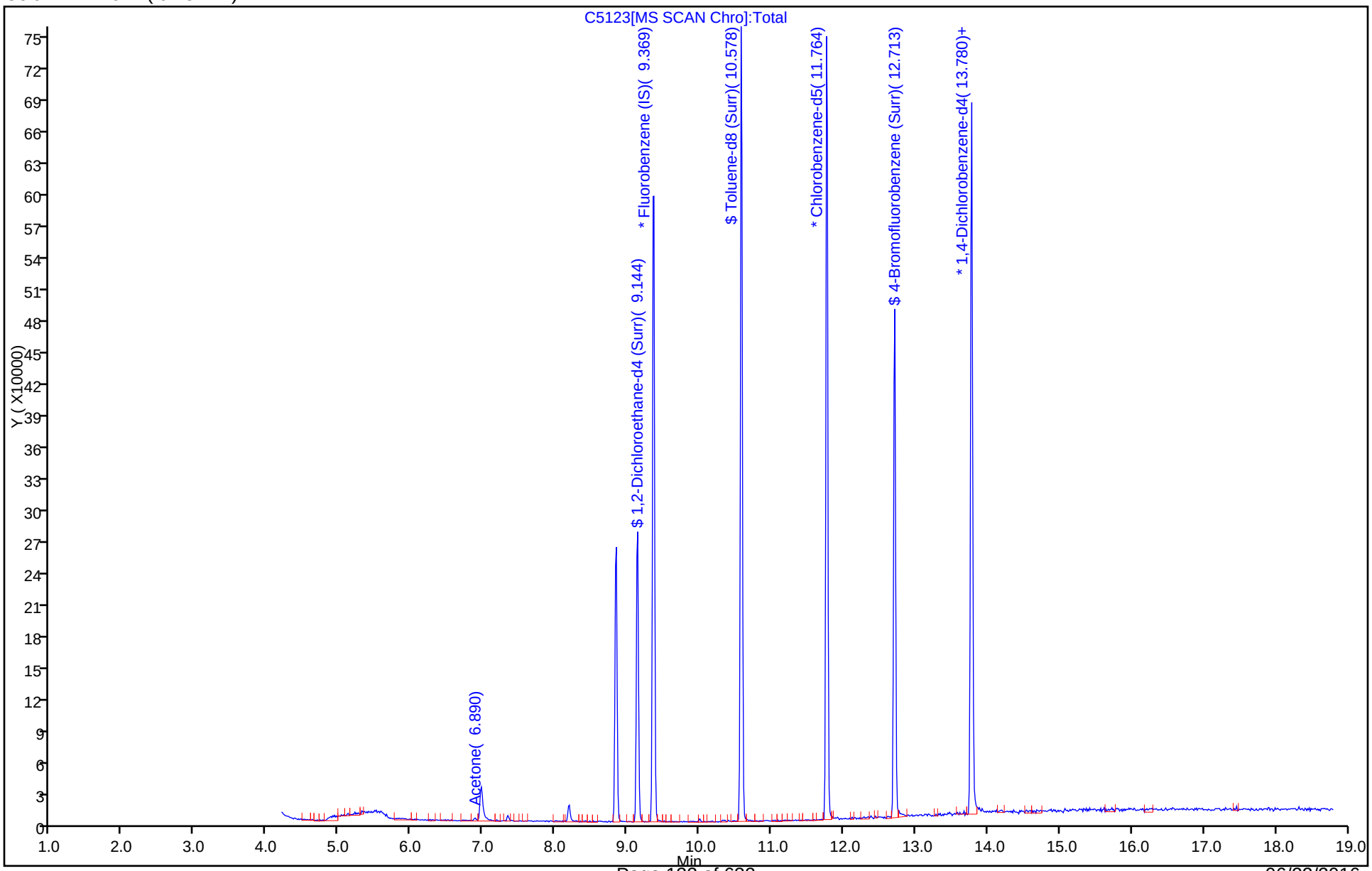
Report Date: 15-Jun-2016 17:56:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5123.D

Injection Date:	15-Jun-2016 16:26:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	480-101358-A-1	Lab Sample ID:	480-101358-1	Worklist Smp#:	8
Client ID:	SB-RINSEBLANK4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	43
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5123.D				
Lims ID:	480-101358-A-1				
Client ID:	SB-RINSEBLANK4				
Sample Type:	Client				
Inject. Date:	15-Jun-2016 16:26:30	ALS Bottle#:	43	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101358-A-1				
Misc. Info.:	480-0054049-008				
Operator ID:	gtg	Instrument ID:	HP5973C		
Method:	\\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Jun-2016 17:56:30	Calib Date:	25-May-2016 16:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK001				

First Level Reviewer: youngmans Date: 15-Jun-2016 17:56:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	26.1	104.51
$ 5 Toluene-d8 (Surr)	25.0	24.0	96.05
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.9	95.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-101358-2

Matrix: Water | Lab File ID: C5124.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 17:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-101358-2

Matrix: Water | Lab File ID: C5124.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 17:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	93		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5124.D
Lims ID: 480-101358-A-2
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 15-Jun-2016 17:53:30 ALS Bottle#: 44 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-2
Misc. Info.: 480-0054049-009
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 19:15:33 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: youngmans Date: 15-Jun-2016 19:15:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.357	9.357	0.000	98	112619	25.0	
* 2 Chlorobenzene-d5	82	11.765	11.764	0.001	86	245717	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	240154	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.132	0.012	0	104083	27.1	
$ 5 Toluene-d8 (Surr)	98	10.579	10.578	0.001	94	515793	23.4	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	94	175938	23.5	
10 Dichlorodifluoromethane	85		4.448				ND	
12 Chloromethane	50		4.863				ND	
13 Vinyl chloride	62		5.076				ND	
14 Bromomethane	94		5.681				ND	
15 Chloroethane	64		5.823				ND	
17 Trichlorofluoromethane	101		6.155				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.819				ND	
23 Acetone	43		6.867				ND	
26 Carbon disulfide	76		7.139				ND	
27 Methyl acetate	43		7.163				ND	
30 Methylene Chloride	84		7.341				ND	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96		7.566				ND	
39 1,1-Dichloroethane	63		7.958				ND	
43 2-Butanone (MEK)	43		8.420				ND	
45 cis-1,2-Dichloroethene	96		8.456				ND	
50 Chloroform	83		8.693				ND	
51 1,1,1-Trichloroethane	97		8.871				ND	
52 Cyclohexane	56		8.906				ND	
55 Carbon tetrachloride	117		9.001				ND	
57 Benzene	78		9.179				ND	
58 1,2-Dichloroethane	62		9.203				ND	
62 Trichloroethene	95		9.642				ND	
64 Methylcyclohexane	83		9.784				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		9.855				ND	
68 Dichlorobromomethane	83		10.057				ND	
72 cis-1,3-Dichloropropene	75		10.377				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.412				ND	
74 Toluene	92		10.638				ND	
77 trans-1,3-Dichloropropene	75		10.792				ND	
79 1,1,2-Trichloroethane	83		10.970				ND	
80 2-Hexanone	43		11.053				ND	
81 Tetrachloroethene	166	11.089	11.089	0.001	24	1853	0.1511	
83 Chlorodibromomethane	129		11.337				ND	
84 Ethylene Dibromide	107		11.468				ND	
87 Chlorobenzene	112		11.788				ND	
88 Ethylbenzene	91		11.800				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.227				ND	
92 Styrene	104		12.239				ND	
94 Isopropylbenzene	105		12.488				ND	
95 Bromoform	173		12.523				ND	
97 1,1,2,2-Tetrachloroethane	83		12.796				ND	
111 1,3-Dichlorobenzene	146		13.721				ND	
113 1,4-Dichlorobenzene	146		13.804				ND	
116 1,2-Dichlorobenzene	146		14.219				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.108				ND	
119 1,2,4-Trichlorobenzene	180		16.128				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00076	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added:	1.00	Units: uL	Run Reagent

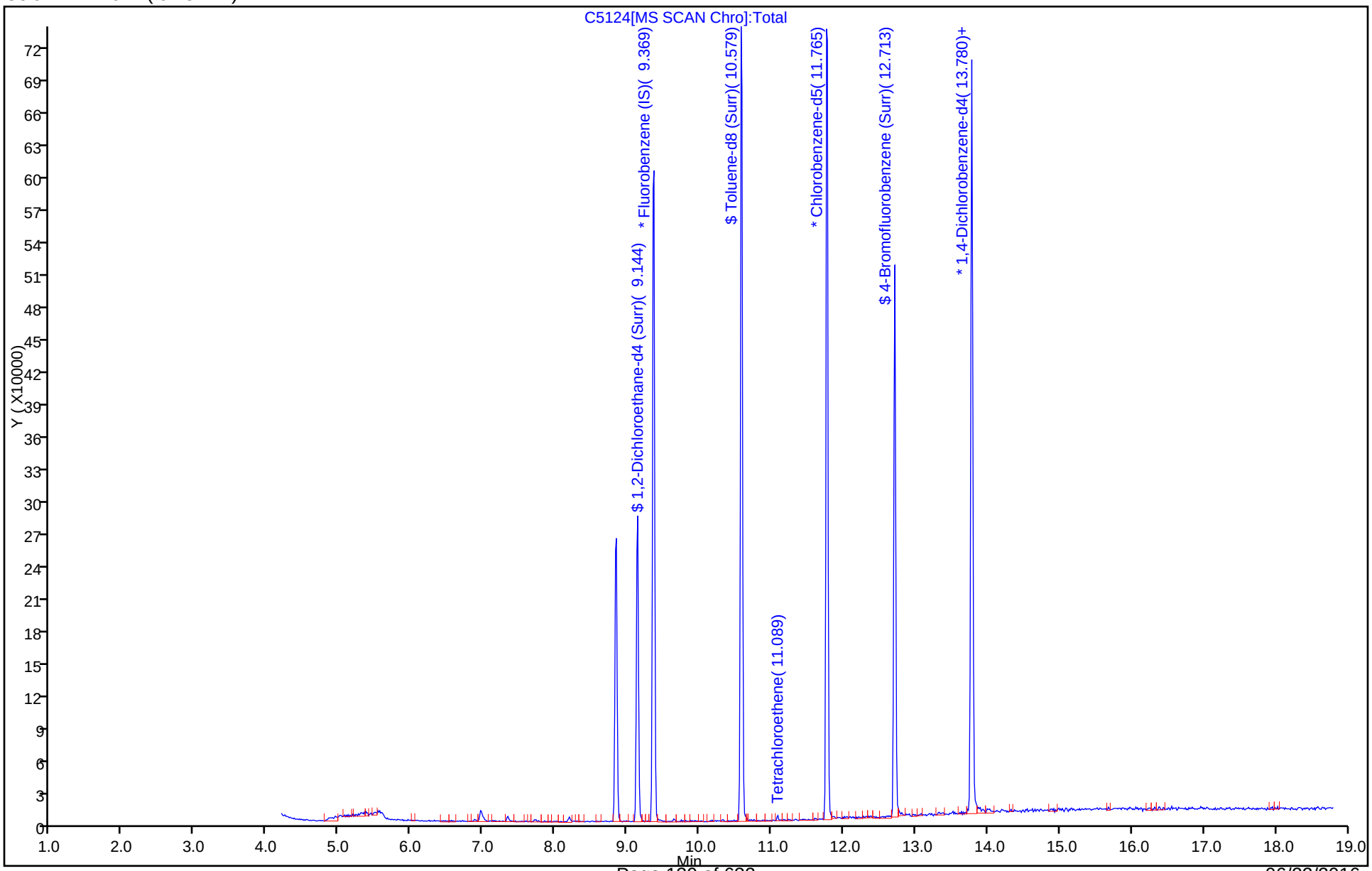
Report Date: 15-Jun-2016 19:15:34 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5124.D

Injection Date:	15-Jun-2016 17:53:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	480-101358-A-2	Lab Sample ID:	480-101358-2	Worklist Smp#:	9
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	44
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5124.D
Lims ID: 480-101358-A-2
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 15-Jun-2016 17:53:30 ALS Bottle#: 44 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-2
Misc. Info.: 480-0054049-009
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 19:15:33 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: youngmans Date: 15-Jun-2016 19:15:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	27.1	108.48
$ 5 Toluene-d8 (Surr)	25.0	23.4	93.43
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.5	93.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B104-AREA2-S1 | Lab Sample ID: 480-101358-3

Matrix: Solid | Lab File ID: F7159.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:30

Sample wt/vol: 5.16(g) | Date Analyzed: 06/13/2016 16:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.71
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.53
108-90-7	Chlorobenzene	ND		5.4	0.72
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.34
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B104-AREA2-S1 | Lab Sample ID: 480-101358-3

Matrix: Solid | Lab File ID: F7159.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:30

Sample wt/vol: 5.16(g) | Date Analyzed: 06/13/2016 16:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.83
75-09-2	Methylene Chloride	3.6	J	5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.73
108-88-3	Toluene	ND		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	75		72-126
2037-26-5	Toluene-d8 (Surr)	111		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7159.D
Lims ID: 480-101358-A-3-B
Client ID: B104-AREA2-S1
Sample Type: Client
Inject. Date: 13-Jun-2016 16:00:30 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-3-B
Misc. Info.: 480-0053989-015
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:29:36 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 17:36:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	194313	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	337426	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	169275	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	142253	50.7	
$ 5 Toluene-d8 (Surr)	98	6.654	6.648	0.006	93	807231	55.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	175531	37.4	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.121				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.456				ND	
17 Trichlorofluoromethane	101		2.669				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.125	3.101	0.024	99	13096	3.87	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	85	39058	3.30	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.796				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.940				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.482				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

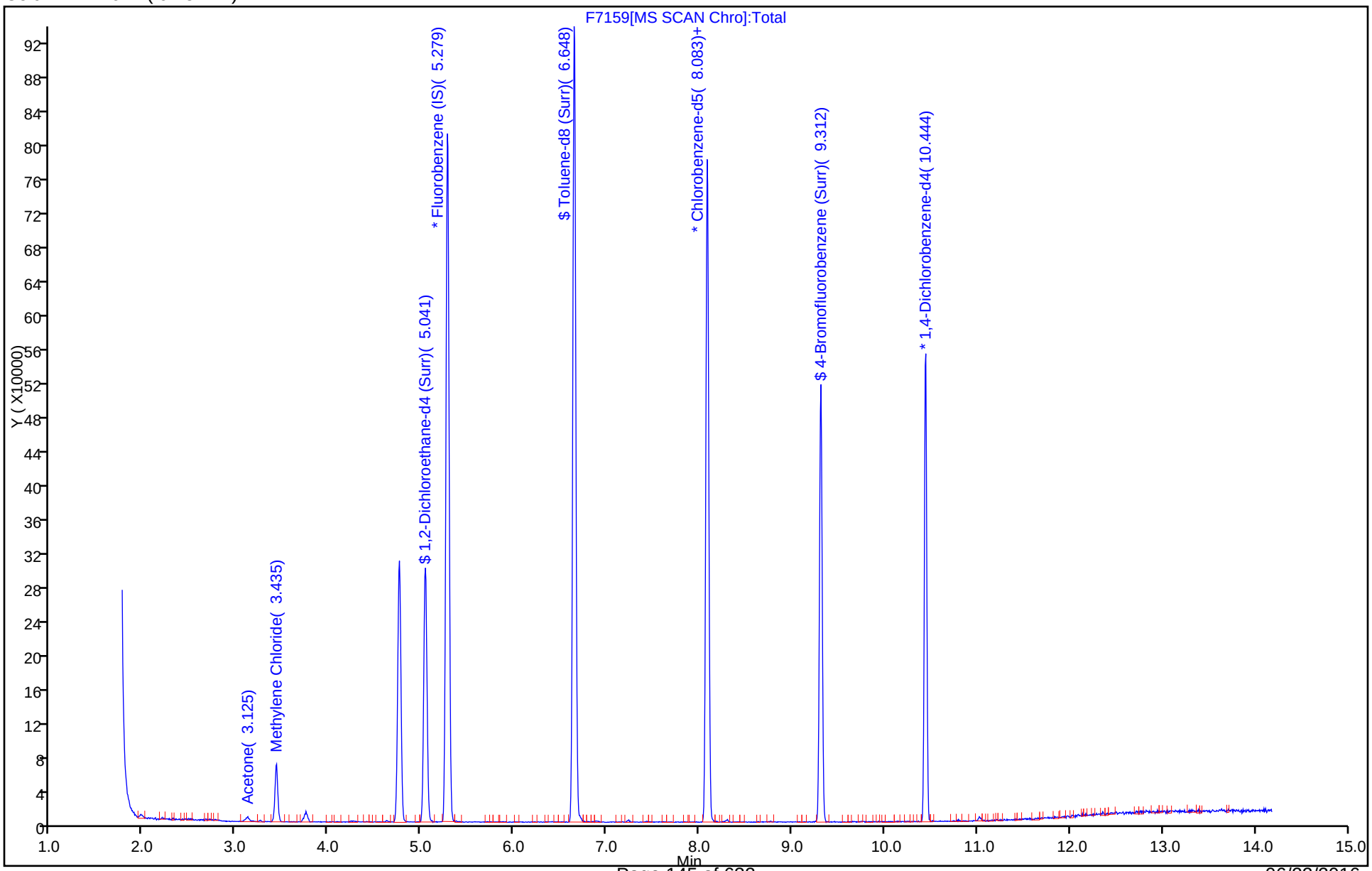
Report Date: 13-Jun-2016 17:36:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7159.D

Injection Date:	13-Jun-2016 16:00:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101358-A-3-B	Lab Sample ID:	480-101358-3	Worklist Smp#:	15
Client ID:	B104-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7159.D
Lims ID: 480-101358-A-3-B
Client ID: B104-AREA2-S1
Sample Type: Client
Inject. Date: 13-Jun-2016 16:00:30 ALS Bottle#: 7 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-3-B
Misc. Info.: 480-0053989-015
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:29:36 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

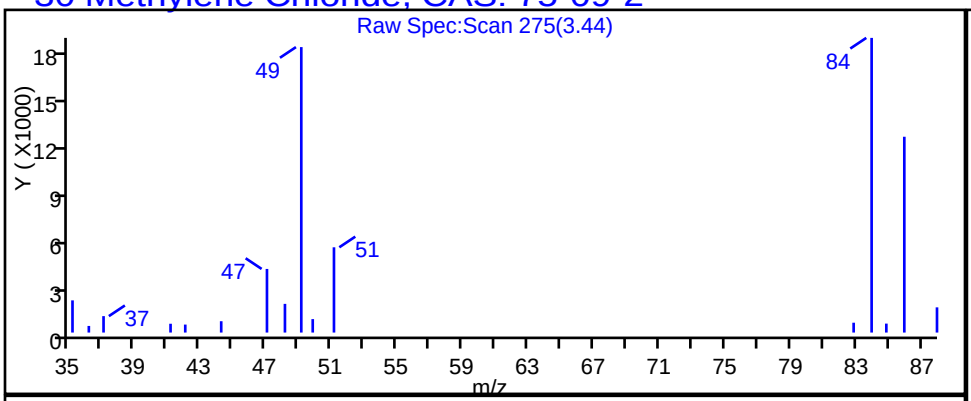
First Level Reviewer: diasn Date: 13-Jun-2016 17:36:47

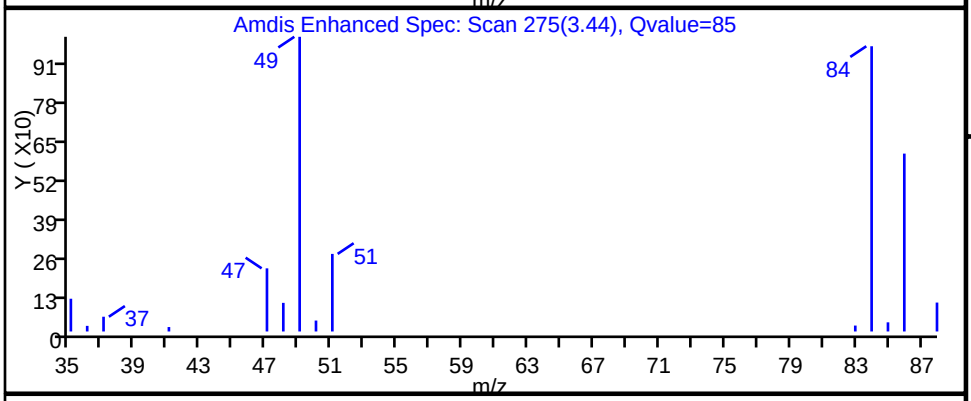
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	50.7	101.37
$ 5 Toluene-d8 (Surr)	50.0	55.3	110.67
$ 6 4-Bromofluorobenzene (Surr)	50.0	37.4	74.77

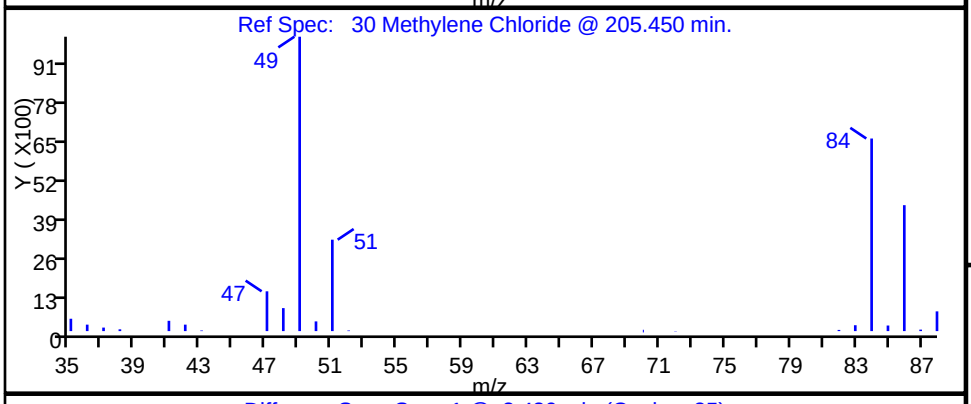
TestAmerica Buffalo

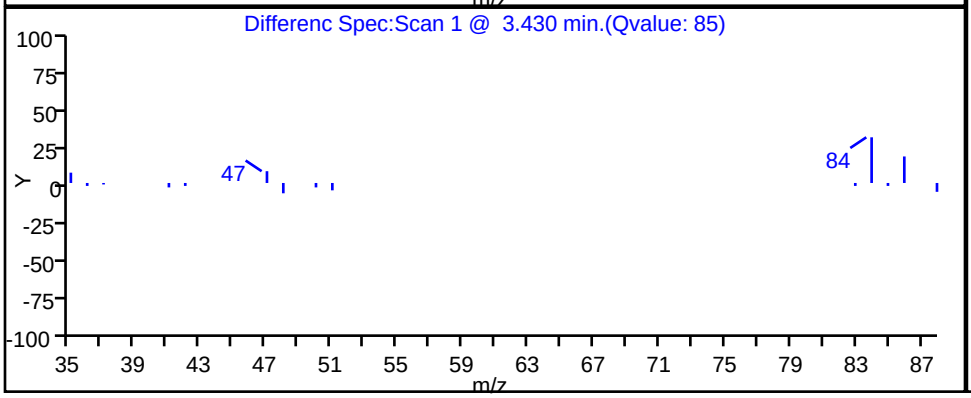
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7159.D				
Injection Date:	13-Jun-2016 16:00:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-3-B	Lab Sample ID:	480-101358-3		
Client ID:	B104-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	7	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

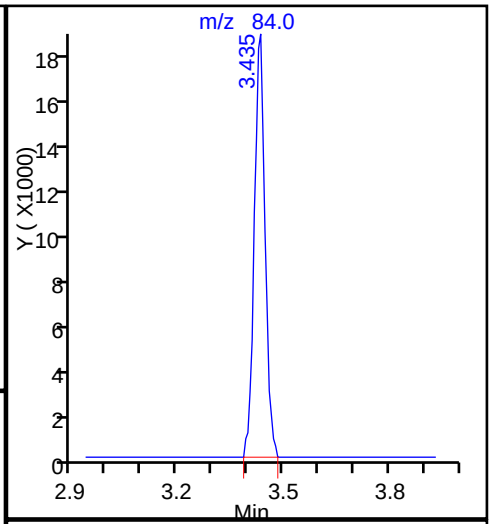
30 Methylene Chloride, CAS: 75-09-2

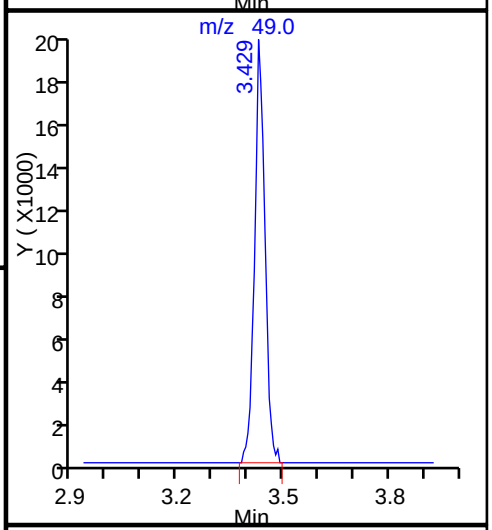


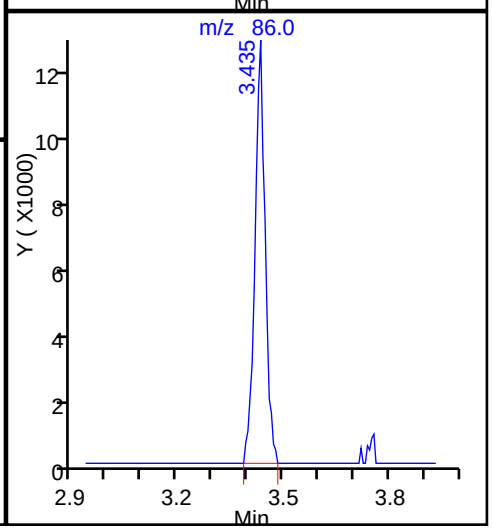












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B104-AREA2-S2 | Lab Sample ID: 480-101358-4

Matrix: Solid | Lab File ID: F7160.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:40

Sample wt/vol: 5(g) | Date Analyzed: 06/13/2016 16:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*	5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.4	0.70
75-34-3	1,1-Dichloroethane	ND	*	5.4	0.66
75-35-4	1,1-Dichloroethene	ND	*	5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.4	2.7
106-93-4	1,2-Dibromoethane	ND	*	5.4	0.69
95-50-1	1,2-Dichlorobenzene	ND	*	5.4	0.42
107-06-2	1,2-Dichloroethane	ND	*	5.4	0.27
78-87-5	1,2-Dichloropropane	ND	*	5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.4	0.76
78-93-3	2-Butanone (MEK)	ND	*	27	2.0
591-78-6	2-Hexanone	ND	*	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	27	1.8
67-64-1	Acetone	ND	*	27	4.6
71-43-2	Benzene	ND	*	5.4	0.27
75-27-4	Bromodichloromethane	ND	*	5.4	0.72
75-25-2	Bromoform	ND	*	5.4	2.7
74-83-9	Bromomethane	ND	*	5.4	0.49
75-15-0	Carbon disulfide	ND	*	5.4	2.7
56-23-5	Carbon tetrachloride	ND	*	5.4	0.52
108-90-7	Chlorobenzene	ND	*	5.4	0.71
75-00-3	Chloroethane	ND	*	5.4	1.2
67-66-3	Chloroform	ND	*	5.4	0.33
74-87-3	Chloromethane	ND	*	5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND	*	5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND	*	5.4	0.78
110-82-7	Cyclohexane	ND	*	5.4	0.76
124-48-1	Dibromochloromethane	ND	*	5.4	0.69
75-71-8	Dichlorodifluoromethane	ND	*	5.4	0.45
100-41-4	Ethylbenzene	ND	*	5.4	0.37
98-82-8	Isopropylbenzene	ND	*	5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B104-AREA2-S2 | Lab Sample ID: 480-101358-4

Matrix: Solid | Lab File ID: F7160.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:40

Sample wt/vol: 5(g) | Date Analyzed: 06/13/2016 16:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	*	5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND	*	5.4	0.53
108-87-2	Methylcyclohexane	ND	*	5.4	0.82
75-09-2	Methylene Chloride	6.1	*	5.4	2.5
100-42-5	Styrene	ND	*	5.4	0.27
127-18-4	Tetrachloroethene	ND	*	5.4	0.73
108-88-3	Toluene	ND	*	5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND	*	5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.4	2.4
79-01-6	Trichloroethene	ND	*	5.4	1.2
75-69-4	Trichlorofluoromethane	ND	*	5.4	0.51
75-01-4	Vinyl chloride	ND	*	5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117	*	64-126
460-00-4	4-Bromofluorobenzene (Surr)	53	X *	72-126
2037-26-5	Toluene-d8 (Surr)	165	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7160.D
Lims ID: 480-101358-A-4-B
Client ID: B104-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 16:25:30 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-4-B
Misc. Info.: 480-0053989-016
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:29:36 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 17:57:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	113307	50.0	s
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	90845	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	36570	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.042	5.041	0.001	0	95358	58.3	
$ 5 Toluene-d8 (Surr)	98	6.654	6.648	0.006	93	324741	82.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.318	9.312	0.006	84	33529	26.5	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.121				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.456				ND	
17 Trichlorofluoromethane	101		2.669				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.113	3.101	0.012	72	4923	0.8802	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	87	30204	5.68	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.796				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.940				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.482				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

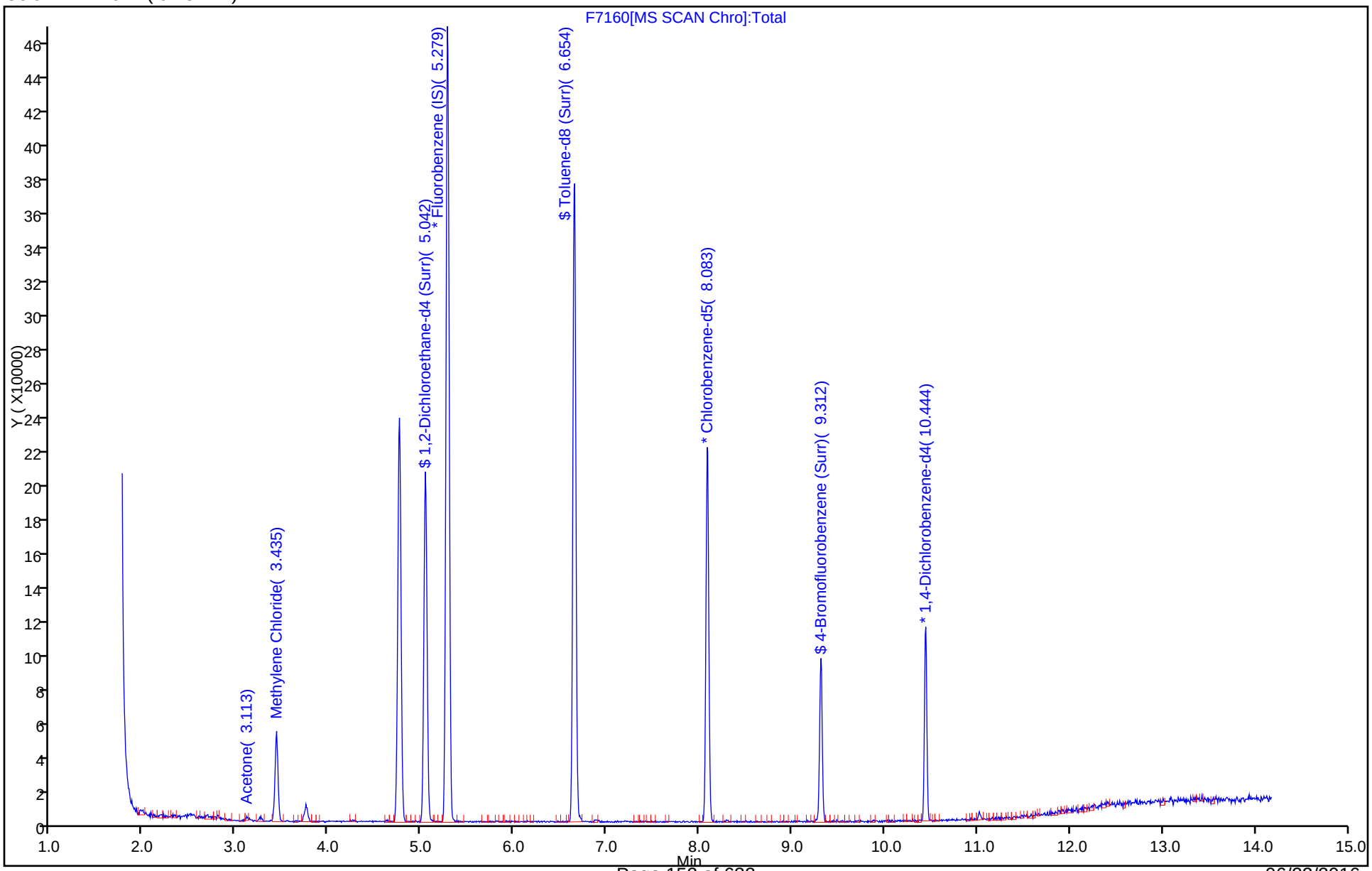
Report Date: 13-Jun-2016 17:57:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7160.D

Injection Date:	13-Jun-2016 16:25:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101358-A-4-B	Lab Sample ID:	480-101358-4	Worklist Smp#:	16
Client ID:	B104-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7160.D
Lims ID: 480-101358-A-4-B
Client ID: B104-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 16:25:30 ALS Bottle#: 8 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-4-B
Misc. Info.: 480-0053989-016
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:29:36 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

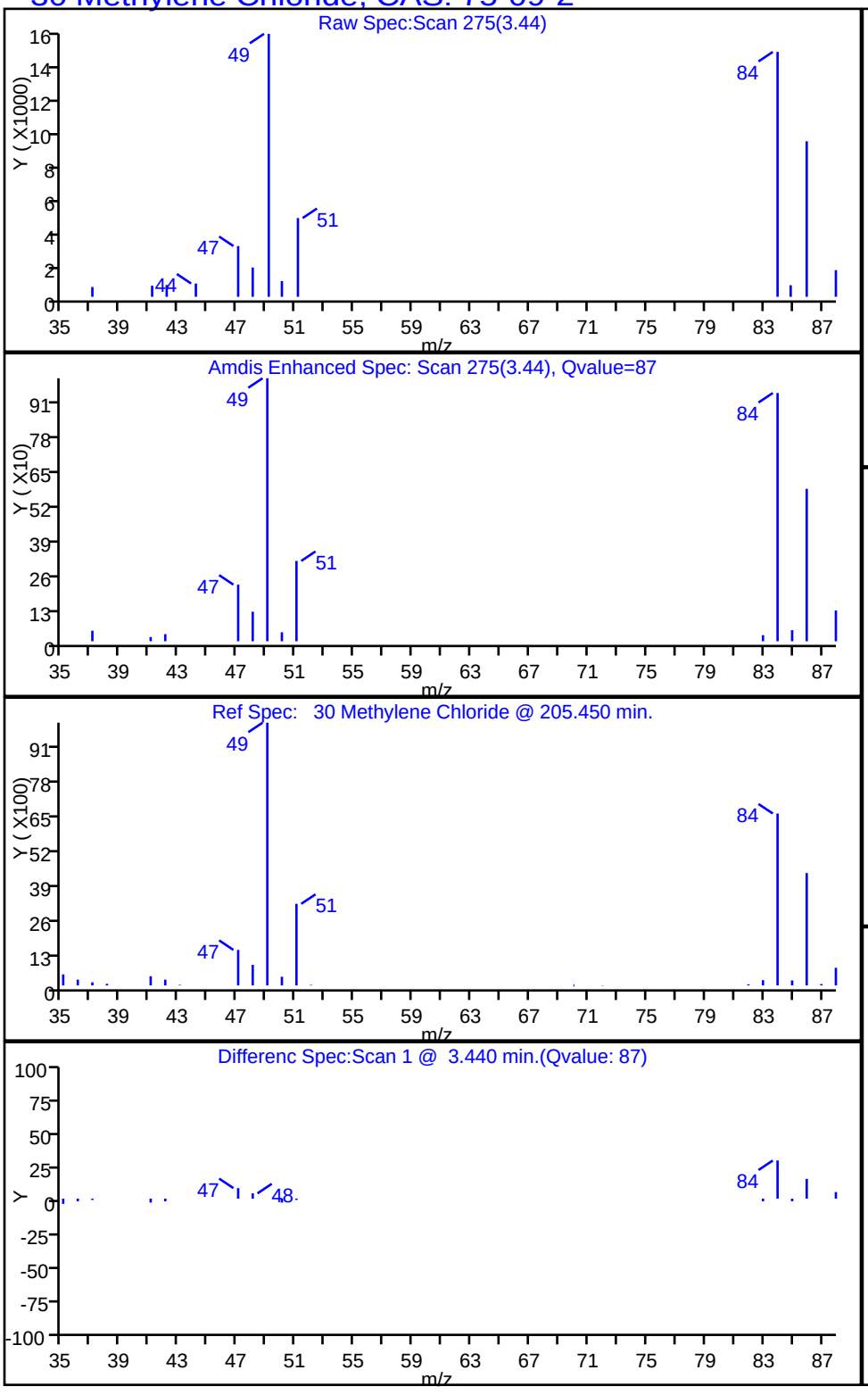
First Level Reviewer: diasn Date: 13-Jun-2016 17:57:10

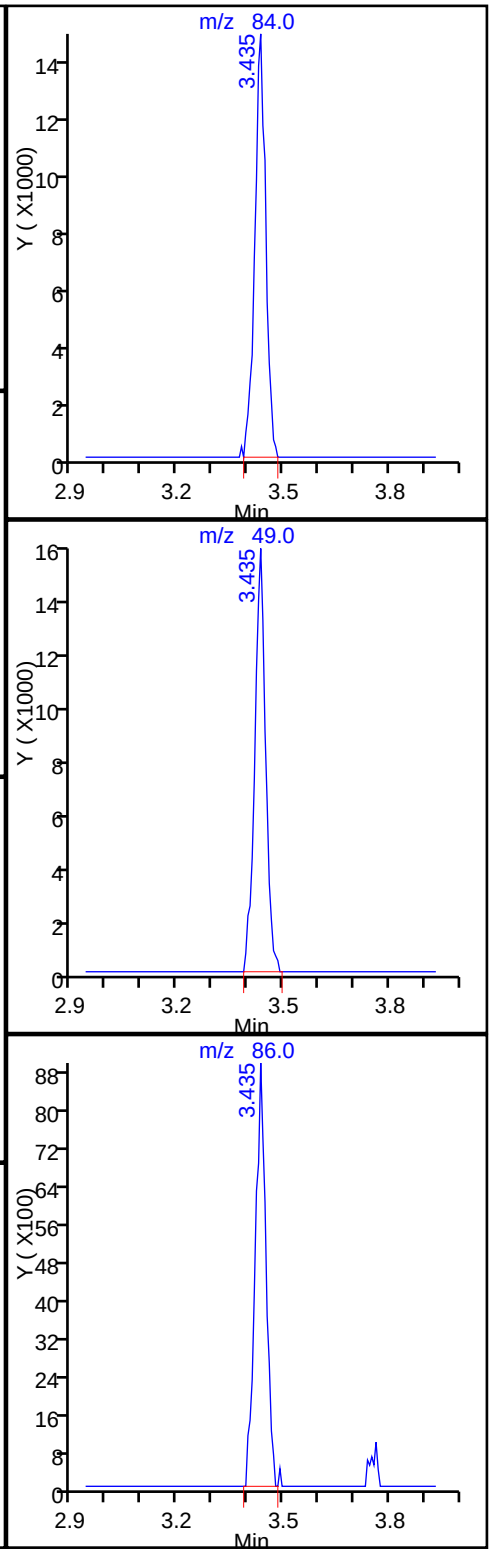
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	58.3	116.53
$ 5 Toluene-d8 (Surr)	50.0	82.7	165.37
$ 6 4-Bromofluorobenzene (Surr)	50.0	26.5	53.05

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7160.D				
Injection Date:	13-Jun-2016 16:25:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-4-B	Lab Sample ID:	480-101358-4		
Client ID:	B104-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	8	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 | Lab Sample ID: 480-101358-5

Matrix: Solid | Lab File ID: N4585.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 02:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306479 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		110	31
79-34-5	1,1,2,2-Tetrachloroethane	ND		110	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	57
79-00-5	1,1,2-Trichloroethane	ND		110	24
75-34-3	1,1-Dichloroethane	ND		110	35
75-35-4	1,1-Dichloroethene	ND		110	39
120-82-1	1,2,4-Trichlorobenzene	ND		110	43
96-12-8	1,2-Dibromo-3-Chloropropane	ND		110	57
106-93-4	1,2-Dibromoethane	ND		110	20
95-50-1	1,2-Dichlorobenzene	ND		110	29
107-06-2	1,2-Dichloroethane	ND		110	46
78-87-5	1,2-Dichloropropane	ND		110	18
541-73-1	1,3-Dichlorobenzene	ND		110	30
106-46-7	1,4-Dichlorobenzene	ND		110	16
78-93-3	2-Butanone (MEK)	ND		570	340
591-78-6	2-Hexanone	ND		570	230
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		570	36
67-64-1	Acetone	ND		570	470
71-43-2	Benzene	ND		110	22
75-27-4	Bromodichloromethane	ND		110	23
75-25-2	Bromoform	ND		110	57
74-83-9	Bromomethane	ND		110	25
75-15-0	Carbon disulfide	ND		110	52
56-23-5	Carbon tetrachloride	ND		110	29
108-90-7	Chlorobenzene	ND		110	15
75-00-3	Chloroethane	ND		110	24
67-66-3	Chloroform	ND		110	78
74-87-3	Chloromethane	ND		110	27
156-59-2	cis-1,2-Dichloroethene	170		110	31
10061-01-5	cis-1,3-Dichloropropene	ND		110	27
110-82-7	Cyclohexane	ND		110	25
124-48-1	Dibromochloromethane	ND		110	55
75-71-8	Dichlorodifluoromethane	ND		110	50
100-41-4	Ethylbenzene	ND		110	33
98-82-8	Isopropylbenzene	ND		110	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 | Lab Sample ID: 480-101358-5

Matrix: Solid | Lab File ID: N4585.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 02:45

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306479 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		110	54
1634-04-4	Methyl tert-butyl ether	ND		110	43
108-87-2	Methylcyclohexane	ND		110	53
75-09-2	Methylene Chloride	ND		110	22
100-42-5	Styrene	ND		110	27
127-18-4	*Tetrachloroethene*	*76000*	*E*	*110*	*15*
108-88-3	Toluene	36	J	110	30
156-60-5	trans-1,2-Dichloroethene	ND		110	27
10061-02-6	trans-1,3-Dichloropropene	ND		110	11
79-01-6	Trichloroethene	2100		110	32
75-69-4	Trichlorofluoromethane	ND		110	53
75-01-4	Vinyl chloride	ND		110	38
1330-20-7	Xylenes, Total	ND		230	63

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	112		49-148
2037-26-5	Toluene-d8 (Surr)	91		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4585.D
Lims ID: 480-101358-A-5-B
Client ID: B105-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 02:45:30 ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-5-B
Misc. Info.: 480-0054004-016
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:12:28 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: o'briens Date: 14-Jun-2016 10:12:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.564	-0.006	98	92942	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.564	-0.007	90	325010	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	95	161088	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	134836	24.0	
$ 6 Toluene-d8 (Surr)	98	7.073	7.079	-0.006	95	408715	22.7	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	89	137798	28.1	
11 Dichlorodifluoromethane	85		1.391				ND	
13 Chloromethane	50		1.549				ND	
14 Vinyl chloride	62		1.665				ND	
15 Bromomethane	94		1.963				ND	
16 Chloroethane	64		2.078				ND	
18 Trichlorofluoromethane	101		2.328				ND	
22 1,1-Dichloroethene	96		2.802				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821				ND	
23 Acetone	43		2.900				ND	
25 Carbon disulfide	76		3.003				ND	
28 Methyl acetate	43		3.204				ND	
30 Methylene Chloride	84		3.301				ND	
32 Methyl tert-butyl ether	73		3.532				ND	
33 trans-1,2-Dichloroethene	96		3.545				ND	
36 1,1-Dichloroethane	63		3.952				ND	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	83	7143	1.45	
44 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83		4.810				ND	
51 1,1,1-Trichloroethane	97		4.944				ND	
52 Cyclohexane	56		4.968				ND	
53 Carbon tetrachloride	117		5.090				ND	
55 Benzene	78		5.297				ND	
57 1,2-Dichloroethane	62		5.345				ND	
60 Trichloroethene	95	5.905	5.905	0.000	97	74639	18.6	
62 Methylcyclohexane	83		6.051				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.136				ND	
67 Dichlorobromomethane	83		6.422				ND	
71 cis-1,3-Dichloropropene	75		6.842				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982				ND	
73 Toluene	92	7.146	7.146	0.000	58	3580	0.3177	
75 trans-1,3-Dichloropropene	75		7.402				ND	
78 1,1,2-Trichloroethane	83		7.596				ND	
79 Tetrachloroethene	166	7.687	7.687	0.000	94	2714562	667.5	E
82 2-Hexanone	43		7.821				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
85 Chlorobenzene	112		8.588				ND	
88 Ethylbenzene	91		8.685				ND	
90 m-Xylene & p-Xylene	106		8.813				ND	
91 o-Xylene	106		9.239				ND	
92 Styrene	104		9.263				ND	
93 Bromoform	173		9.494				ND	
95 Isopropylbenzene	105		9.622				ND	
98 1,1,2,2-Tetrachloroethane	83		9.987				ND	
110 1,3-Dichlorobenzene	146		10.869				ND	
113 1,4-Dichlorobenzene	146		10.954				ND	
116 1,2-Dichlorobenzene	146		11.307				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.025				ND	
119 1,2,4-Trichlorobenzene	180		12.713				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

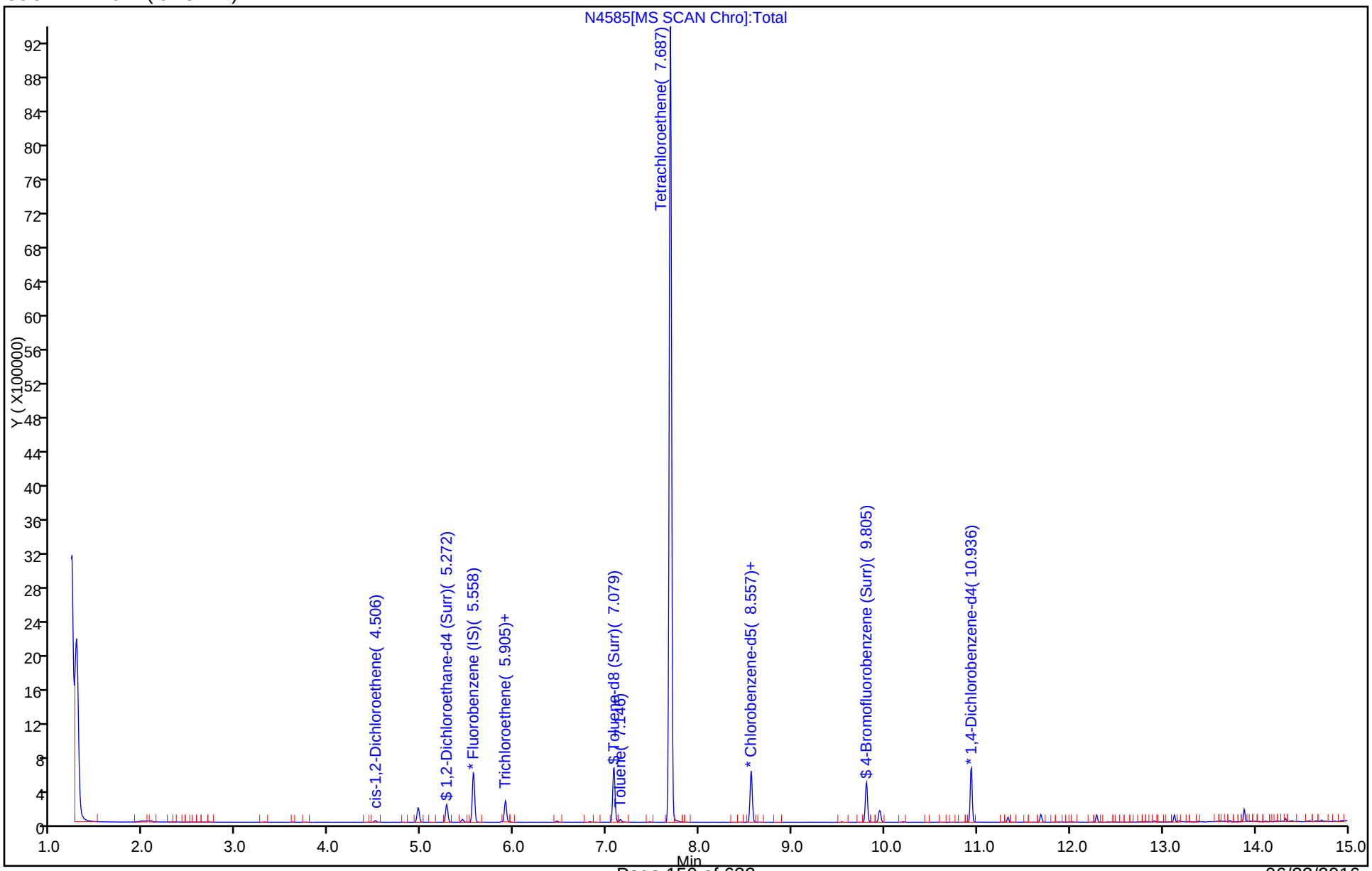
Report Date: 14-Jun-2016 10:12:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4585.D

Injection Date:	14-Jun-2016 02:45:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	480-101358-A-5-B	Lab Sample ID:	480-101358-5	Worklist Smp#:	16
Client ID:	B105-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4585.D
Lims ID: 480-101358-A-5-B
Client ID: B105-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 02:45:30 ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-5-B
Misc. Info.: 480-0054004-016
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:12:28 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: o'briens Date: 14-Jun-2016 10:12:28

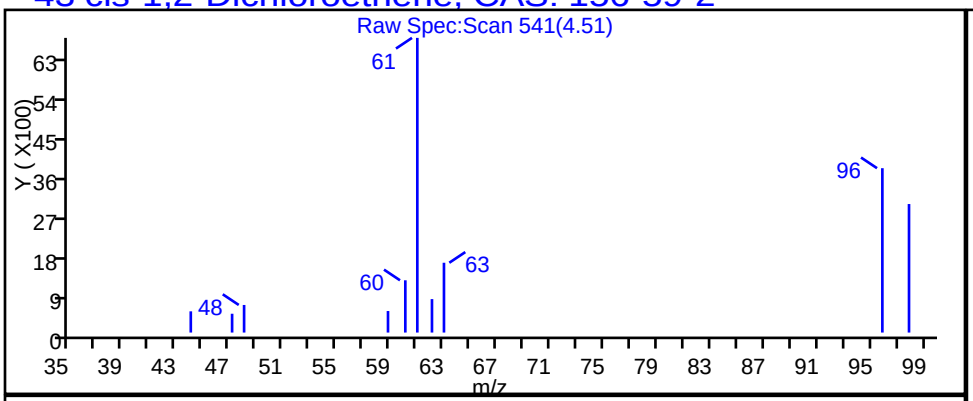
Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.0	95.98
$ 6 Toluene-d8 (Surr)	25.0	22.7	90.72
$ 7 4-Bromofluorobenzene (Surr)	25.0	28.1	112.47

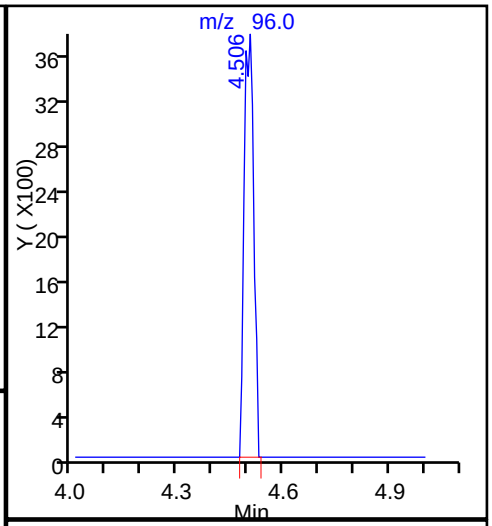
TestAmerica Buffalo

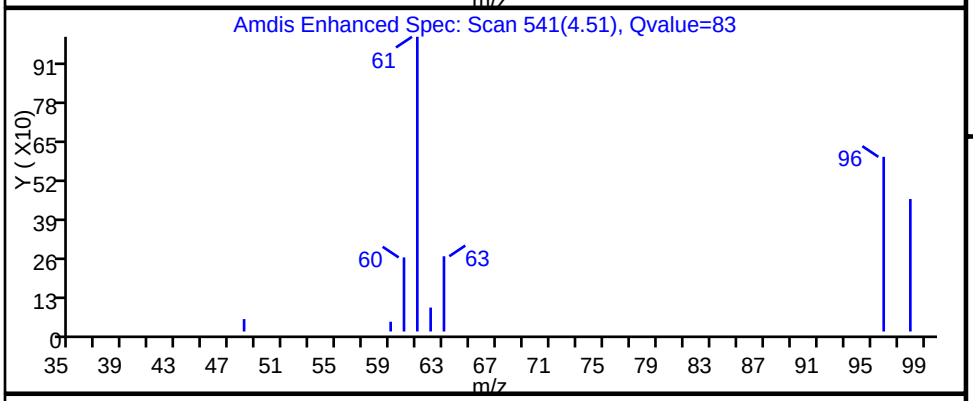
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4585.D

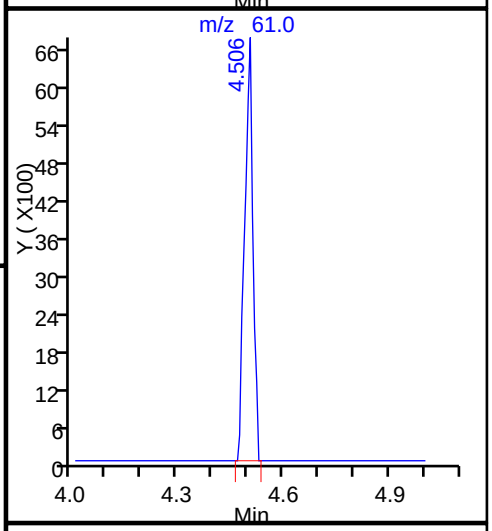
Injection Date:	14-Jun-2016 02:45:30	Instrument ID:	HP5973N
Lims ID:	480-101358-A-5-B	Lab Sample ID:	480-101358-5
Client ID:	B105-AREA2-S1		
Operator ID:	GF	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

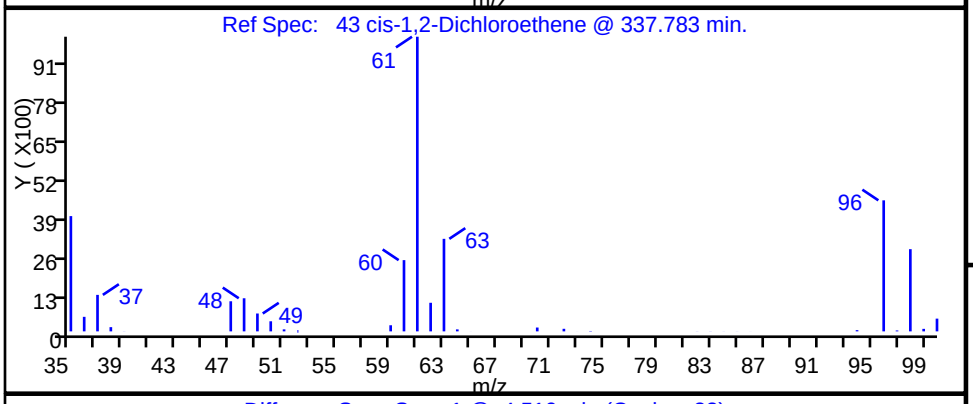
43 cis-1,2-Dichloroethene, CAS: 156-59-2

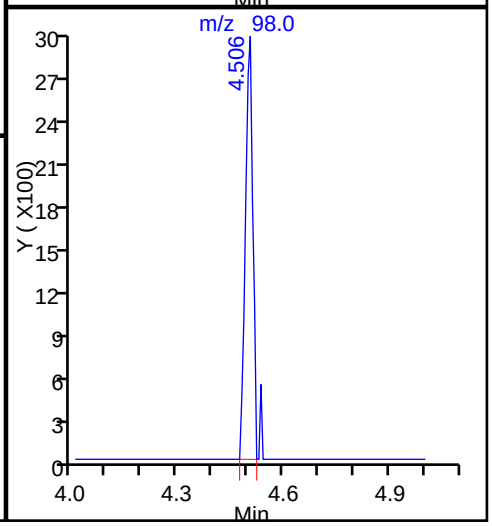


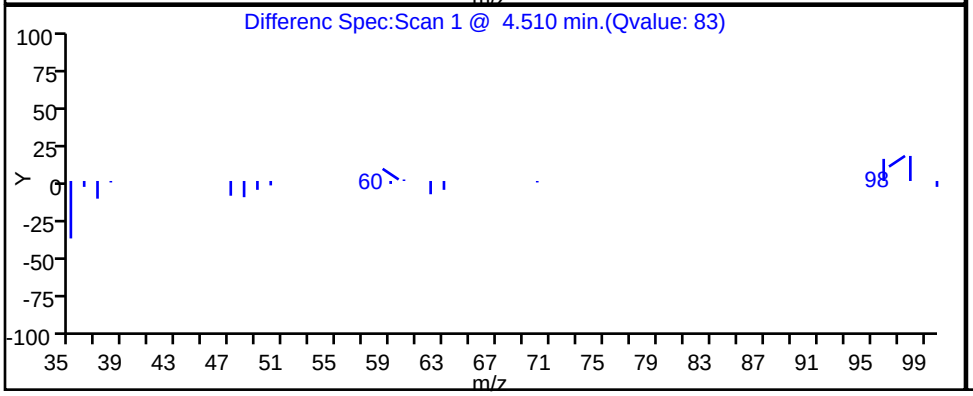






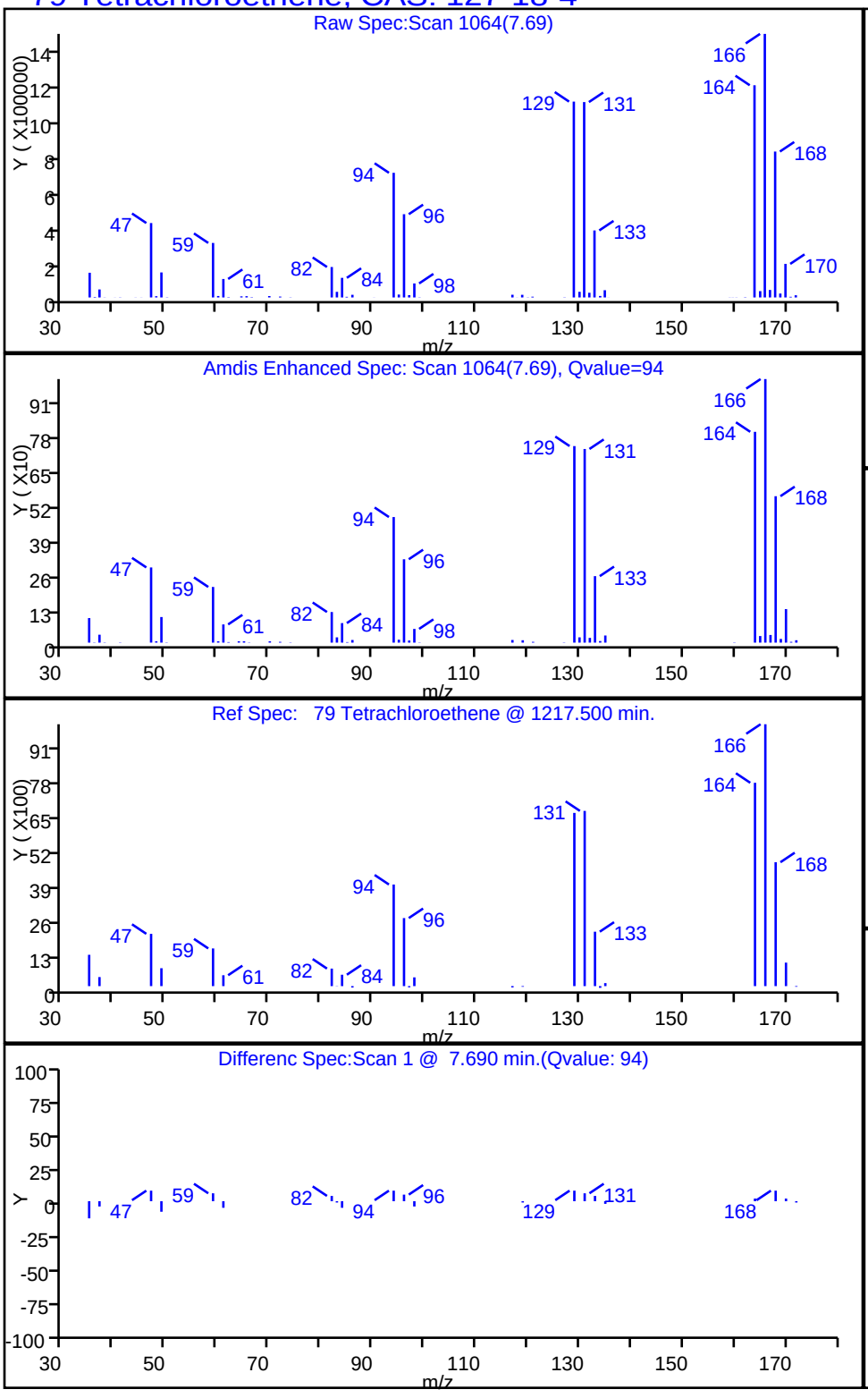


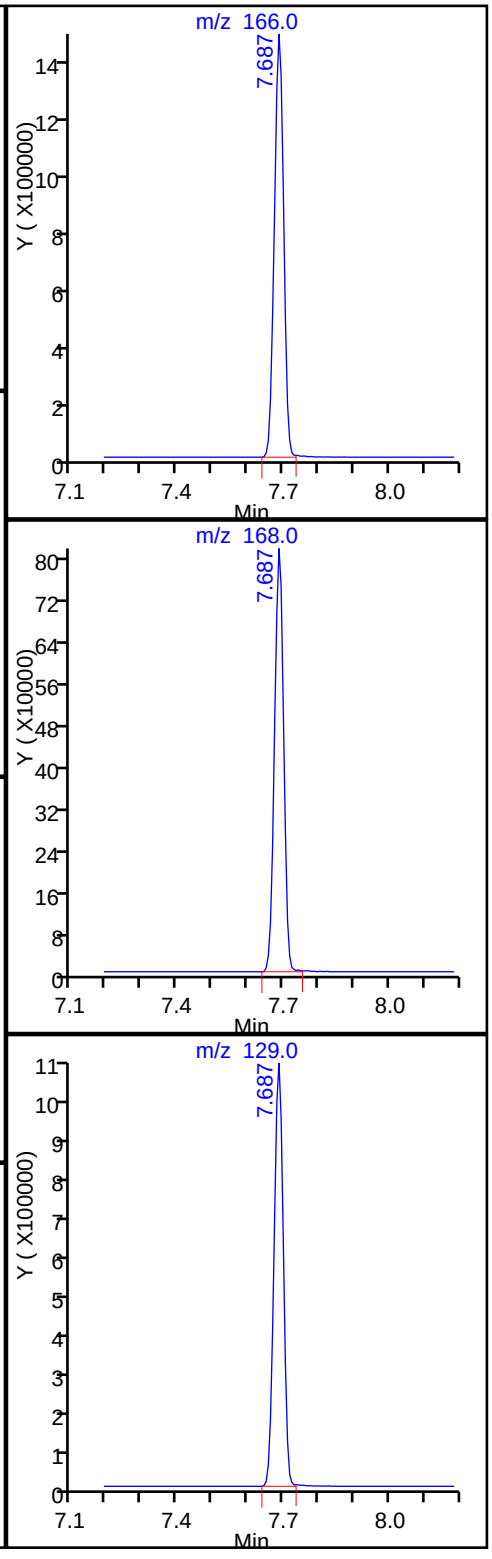




Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4585.D
Injection Date: 14-Jun-2016 02:45:30 Instrument ID: HP5973N
Lims ID: 480-101358-A-5-B Lab Sample ID: 480-101358-5
Client ID: B105-AREA2-S1
Operator ID: GF ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

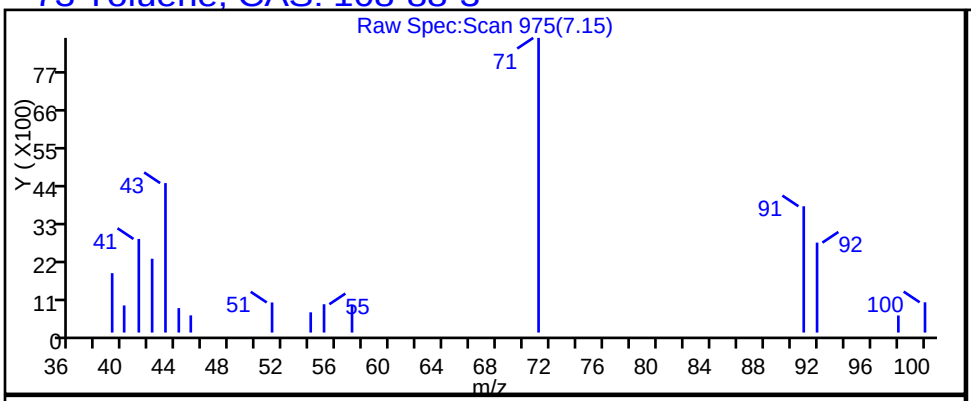


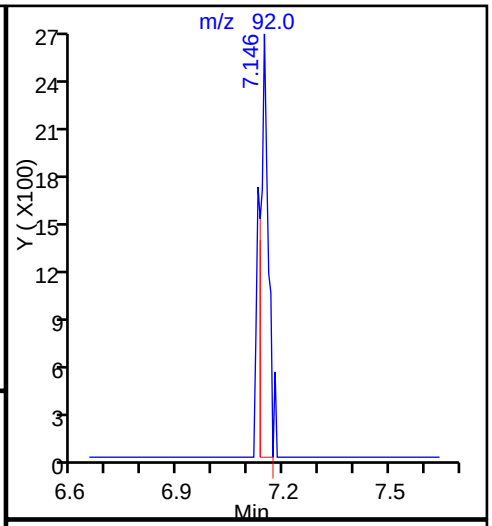


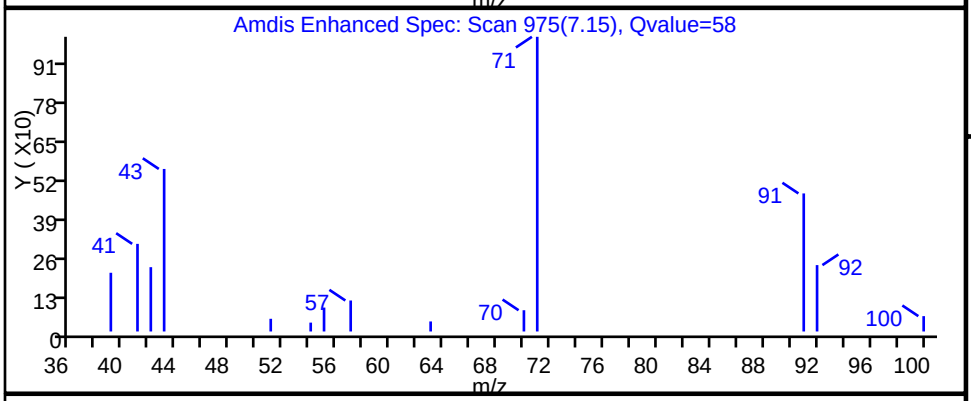
TestAmerica Buffalo

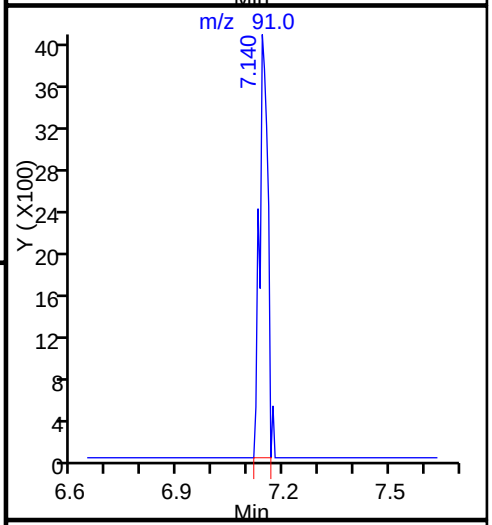
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4585.D				
Injection Date:	14-Jun-2016 02:45:30	Instrument ID:	HP5973N		
Lims ID:	480-101358-A-5-B	Lab Sample ID:	480-101358-5		
Client ID:	B105-AREA2-S1				
Operator ID:	GF	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

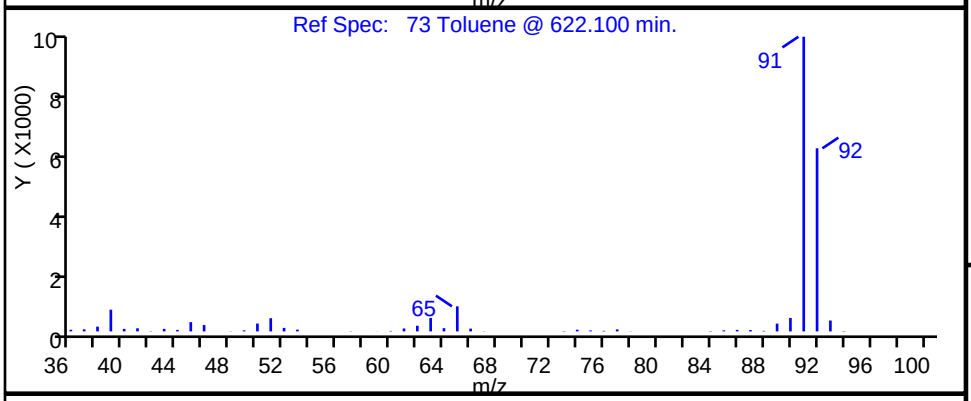
73 Toluene, CAS: 108-88-3

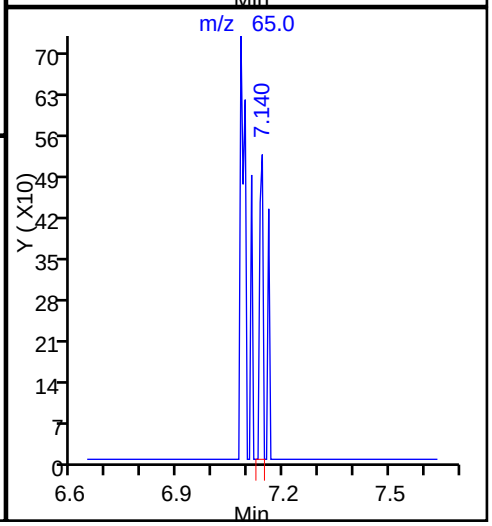


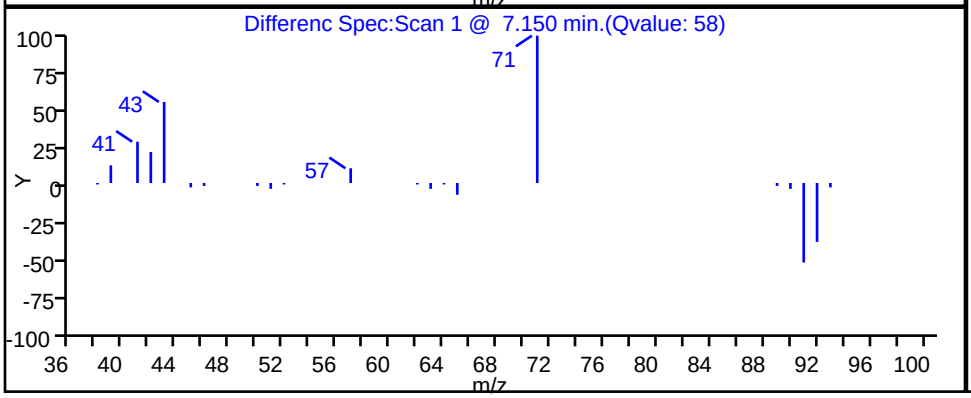










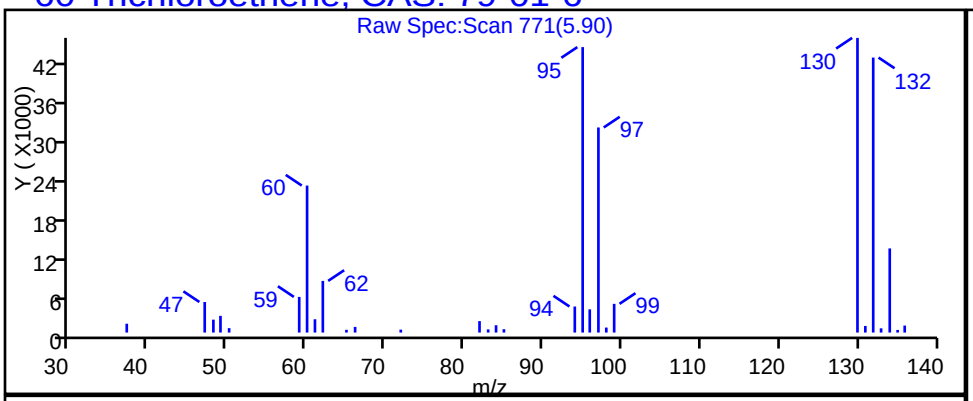


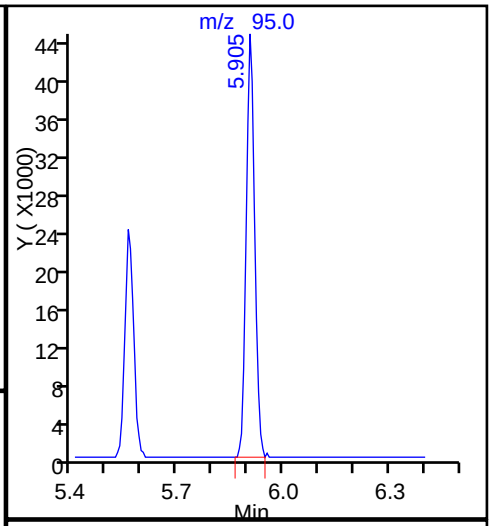
TestAmerica Buffalo

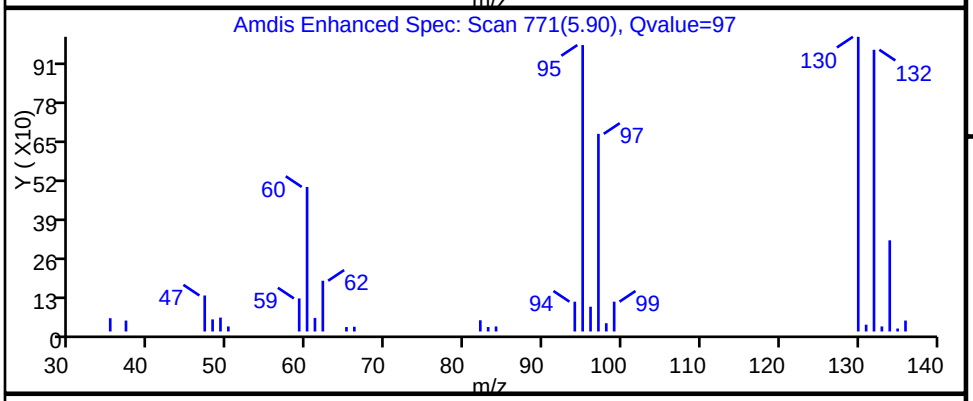
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4585.D

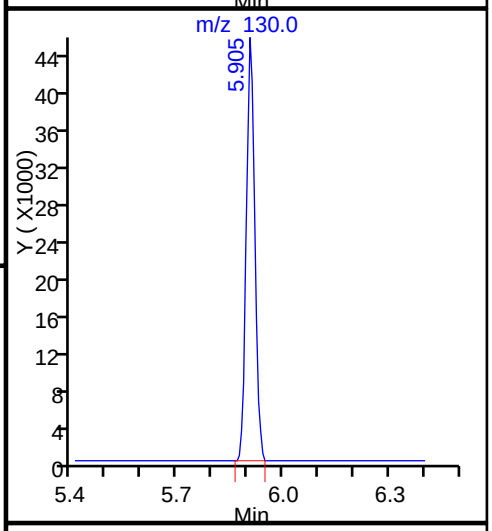
Injection Date:	14-Jun-2016 02:45:30	Instrument ID:	HP5973N
Lims ID:	480-101358-A-5-B	Lab Sample ID:	480-101358-5
Client ID:	B105-AREA2-S1		
Operator ID:	GF	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

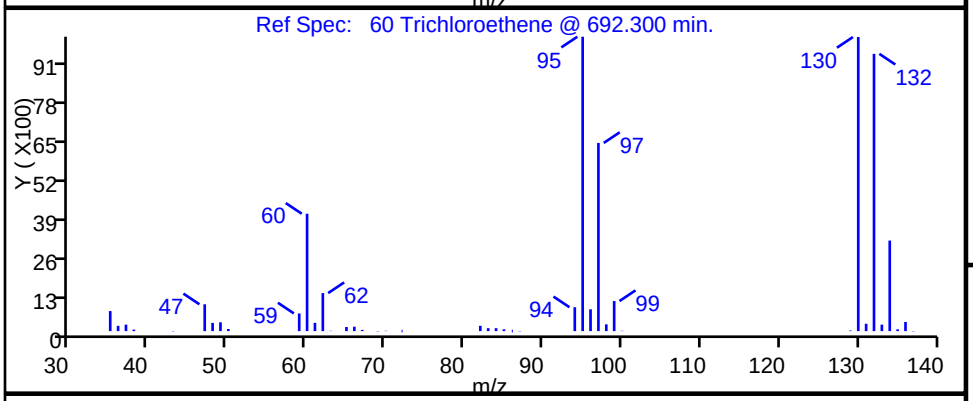
60 Trichloroethene, CAS: 79-01-6

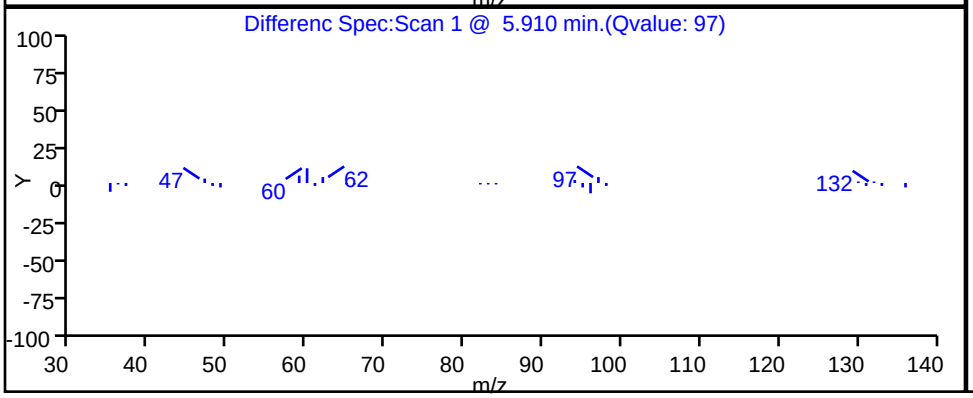


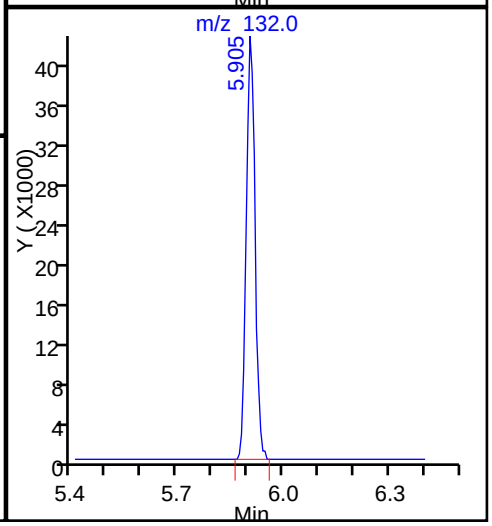












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 DL | Lab Sample ID: 480-101358-5 DL

Matrix: Solid | Lab File ID: N4621.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 18:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306573 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	1100	310
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1	1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	1100	570
79-00-5	1,1,2-Trichloroethane	ND	F1	1100	240
75-34-3	1,1-Dichloroethane	ND	F1	1100	350
75-35-4	1,1-Dichloroethene	ND	F1	1100	390
120-82-1	1,2,4-Trichlorobenzene	ND	F1	1100	430
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F1	1100	570
106-93-4	1,2-Dibromoethane	ND	F1	1100	200
95-50-1	1,2-Dichlorobenzene	ND	F1	1100	290
107-06-2	1,2-Dichloroethane	ND	F1	1100	460
78-87-5	1,2-Dichloropropane	ND	F1	1100	180
541-73-1	1,3-Dichlorobenzene	ND	F1	1100	300
106-46-7	1,4-Dichlorobenzene	ND	F1	1100	160
78-93-3	2-Butanone (MEK)	ND	F1	5700	3400
591-78-6	2-Hexanone	ND	F1	5700	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	F1	5700	360
67-64-1	Acetone	ND	F1	5700	4700
71-43-2	Benzene	ND	F1	1100	220
75-27-4	Bromodichloromethane	ND	F1	1100	230
75-25-2	Bromoform	ND	F1	1100	570
74-83-9	Bromomethane	ND		1100	250
75-15-0	Carbon disulfide	ND	F1	1100	520
56-23-5	Carbon tetrachloride	ND	F1	1100	290
108-90-7	Chlorobenzene	ND	F1	1100	150
75-00-3	Chloroethane	ND		1100	240
67-66-3	Chloroform	ND	F1	1100	780
74-87-3	Chloromethane	ND		1100	270
156-59-2	cis-1,2-Dichloroethene	ND	F1	1100	310
10061-01-5	cis-1,3-Dichloropropene	ND	F1	1100	270
110-82-7	Cyclohexane	ND	F1	1100	250
124-48-1	Dibromochloromethane	ND	F1	1100	550
75-71-8	Dichlorodifluoromethane	ND		1100	500
100-41-4	Ethylbenzene	ND	F1	1100	330
98-82-8	Isopropylbenzene	ND	F1	1100	170

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 DL | Lab Sample ID: 480-101358-5 DL

Matrix: Solid | Lab File ID: N4621.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 18:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306573 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	*Methyl acetate*	*ND*	*F1*	*1100*	*540*
1634-04-4	*Methyl tert-butyl ether*	*ND*	*F1*	*1100*	*430*
108-87-2	*Methylcyclohexane*	*ND*	*F1*	*1100*	*530*
75-09-2	*Methylene Chloride*	*ND*	*F1*	*1100*	*220*
100-42-5	*Styrene*	*ND*	*F1*	*1100*	*270*
127-18-4	Tetrachloroethene	86000		1100	150
108-88-3	*Toluene*	*ND*	*F1*	*1100*	*300*
156-60-5	*trans-1,2-Dichloroethene*	*ND*	*F1*	*1100*	*270*
10061-02-6	*trans-1,3-Dichloropropene*	*ND*	*F1*	*1100*	*110*
79-01-6	*Trichloroethene*	*2000*	*F1*	*1100*	*320*
75-69-4	*Trichlorofluoromethane*	*ND*		*1100*	*530*
75-01-4	*Vinyl chloride*	*ND*		*1100*	*380*
1330-20-7	*Xylenes, Total*	*ND*	*F1*	*2300*	*630*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		53-146
460-00-4	4-Bromofluorobenzene (Surr)	119		49-148
2037-26-5	Toluene-d8 (Surr)	89		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4621.D
Lims ID: 480-101358-A-5-B
Client ID: B105-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 18:57:30 ALS Bottle#: 47 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-101358-A-5-B
Misc. Info.: 480-0054021-022
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:43:42 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 19:43:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	94432	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.557	0.000	89	307827	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	151270	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	124711	21.8	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	379805	22.3	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	89	137796	29.7	
11 Dichlorodifluoromethane	85		1.391				ND	
13 Chloromethane	50		1.549				ND	
14 Vinyl chloride	62		1.665				ND	
15 Bromomethane	94		1.969				ND	
16 Chloroethane	64		2.066				ND	
18 Trichlorofluoromethane	101		2.298				ND	
22 1,1-Dichloroethene	96		2.803				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.815				ND	
23 Acetone	43		2.900				ND	
25 Carbon disulfide	76		3.003				ND	
28 Methyl acetate	43		3.204				ND	
30 Methylene Chloride	84		3.301				ND	
32 Methyl tert-butyl ether	73		3.533				ND	
33 trans-1,2-Dichloroethene	96		3.545				ND	
36 1,1-Dichloroethane	63		3.952				ND	
43 cis-1,2-Dichloroethene	96		4.500				ND	
44 2-Butanone (MEK)	43		4.530				ND	
50 Chloroform	83		4.810				ND	
51 1,1,1-Trichloroethane	97		4.944				ND	
52 Cyclohexane	56		4.974				ND	
53 Carbon tetrachloride	117		5.090				ND	
55 Benzene	78		5.297				ND	
57 1,2-Dichloroethane	62		5.345				ND	
60 Trichloroethene	95	5.905	5.905	0.000	91	7157	1.76	
62 Methylcyclohexane	83		6.051				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		6.136				ND	
67 Dichlorobromomethane	83		6.416				ND	
71 cis-1,3-Dichloropropene	75		6.842				ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982				ND	
73 Toluene	92		7.146				ND	
75 trans-1,3-Dichloropropene	75		7.402				ND	
78 1,1,2-Trichloroethane	83		7.590				ND	
79 Tetrachloroethene	166	7.688	7.688	0.000	96	290471	75.4	
82 2-Hexanone	43		7.822				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
85 Chlorobenzene	112		8.588				ND	
88 Ethylbenzene	91		8.685				ND	
90 m-Xylene & p-Xylene	106		8.807				ND	
91 o-Xylene	106		9.233				ND	
92 Styrene	104		9.263				ND	
93 Bromoform	173		9.494				ND	
95 Isopropylbenzene	105		9.616				ND	
98 1,1,2,2-Tetrachloroethane	83		9.987				ND	
110 1,3-Dichlorobenzene	146		10.869				ND	
113 1,4-Dichlorobenzene	146		10.955				ND	
116 1,2-Dichlorobenzene	146		11.307				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.025				ND	
119 1,2,4-Trichlorobenzene	180		12.713				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

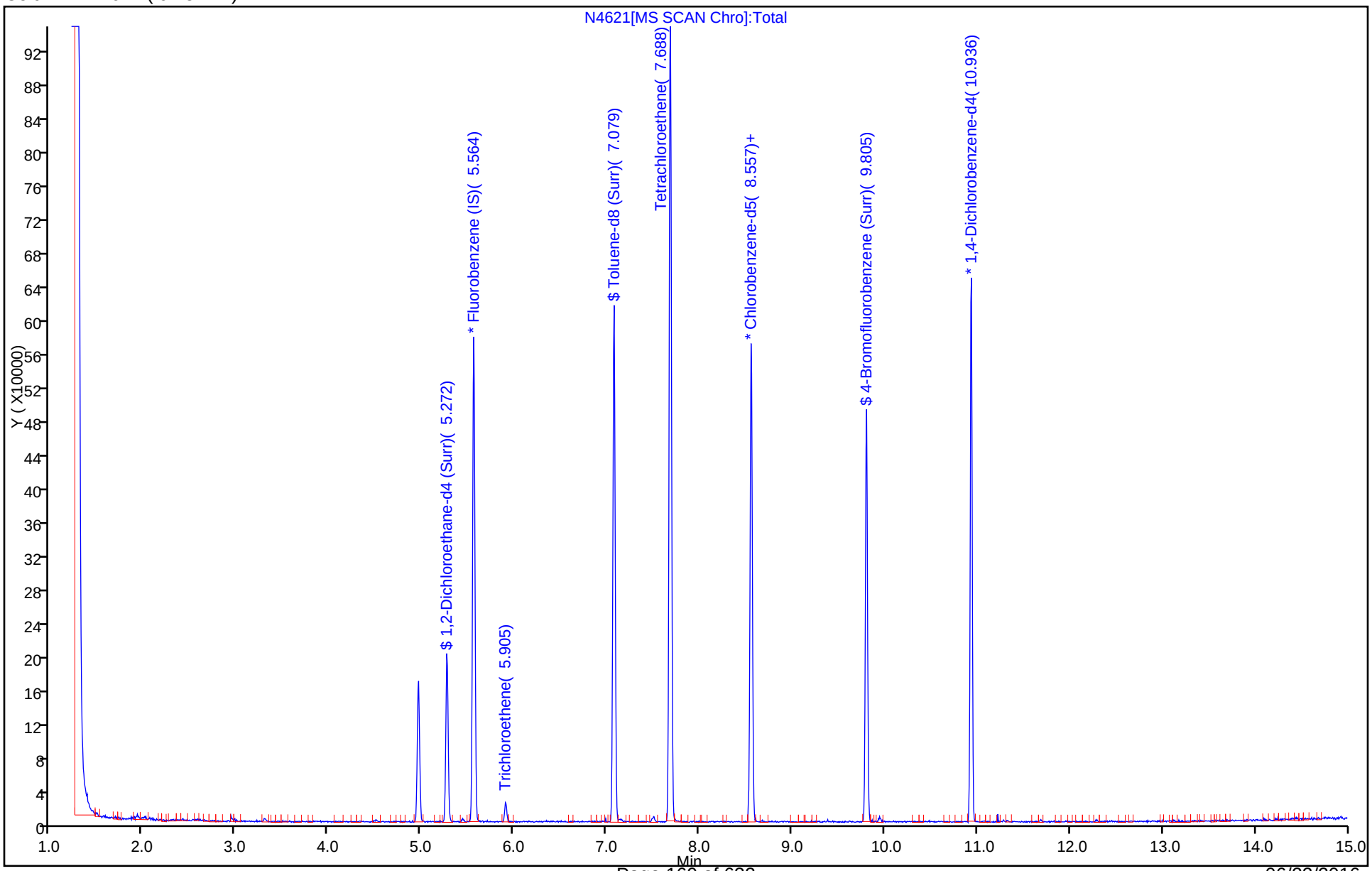
Report Date: 14-Jun-2016 19:43:43 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4621.D

Injection Date:	14-Jun-2016 18:57:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-101358-A-5-B	Lab Sample ID:	480-101358-5	Worklist Smp#:	22
Client ID:	B105-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	47
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4621.D				
Lims ID:	480-101358-A-5-B				
Client ID:	B105-AREA2-S1				
Sample Type:	Client				
Inject. Date:	14-Jun-2016 18:57:30	ALS Bottle#:	47	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Sample Info:	480-101358-A-5-B				
Misc. Info.:	480-0054021-022				
Operator ID:	SO	Instrument ID:	HP5973N		
Method:	\\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 19:43:42	Calib Date:	19-May-2016 01:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK033				

First Level Reviewer: fortaing Date: 14-Jun-2016 19:43:42

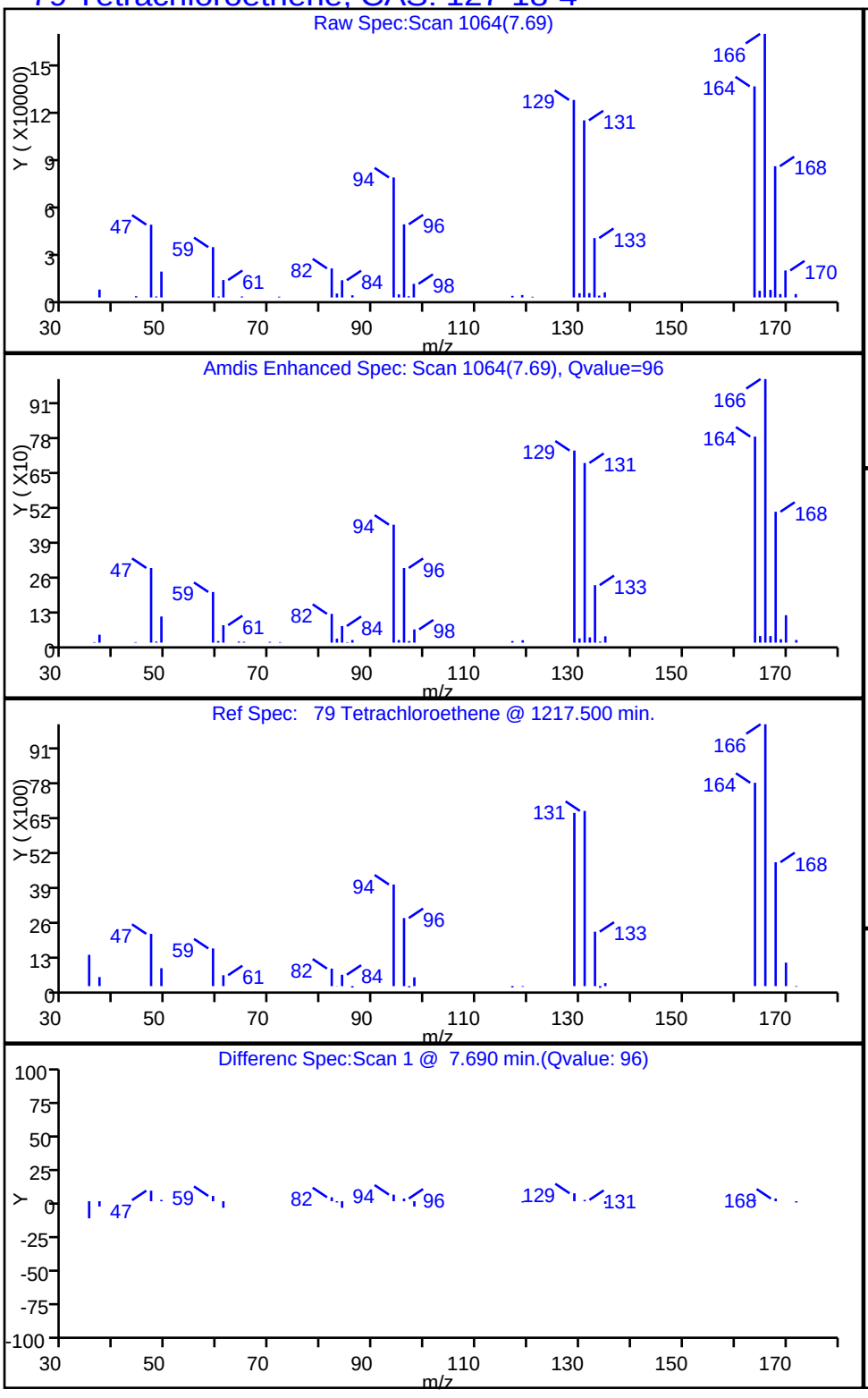
Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	21.8	87.37
$ 6 Toluene-d8 (Surr)	25.0	22.3	89.00
$ 7 4-Bromofluorobenzene (Surr)	25.0	29.7	118.75

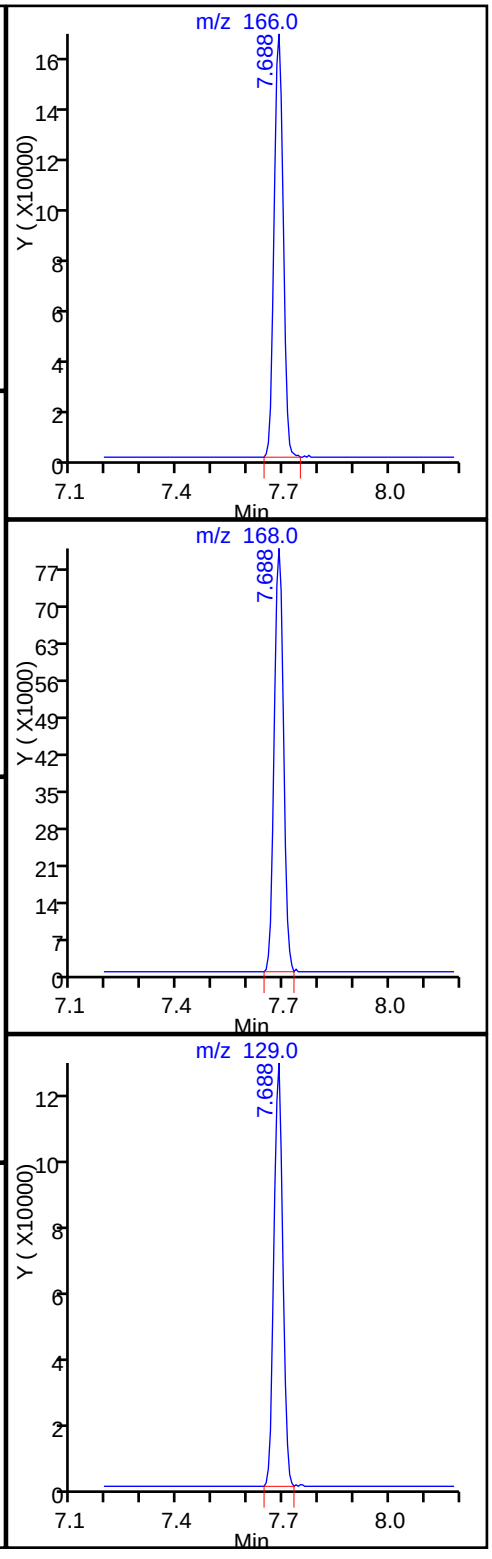
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4621.D

Injection Date:	14-Jun-2016 18:57:30	Instrument ID:	HP5973N
Lims ID:	480-101358-A-5-B	Lab Sample ID:	480-101358-5
Client ID:	B105-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	47 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

79 Tetrachloroethene, CAS: 127-18-4



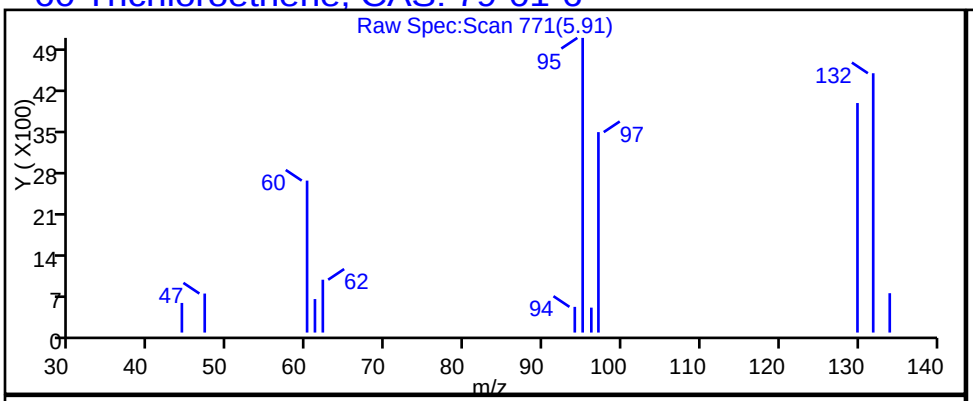


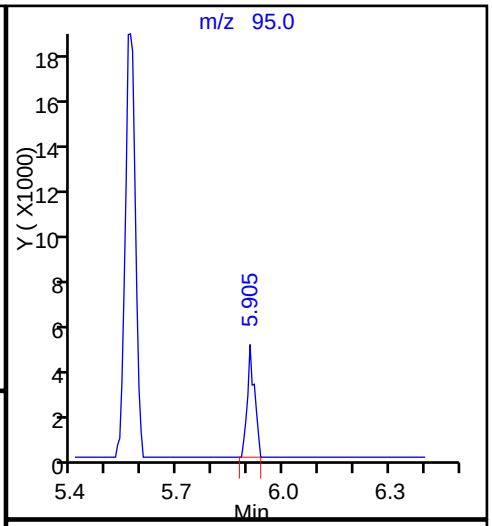
TestAmerica Buffalo

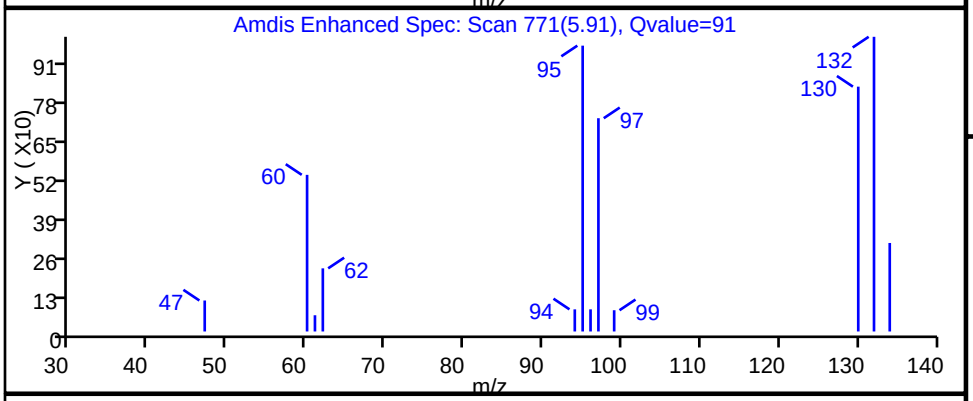
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4621.D

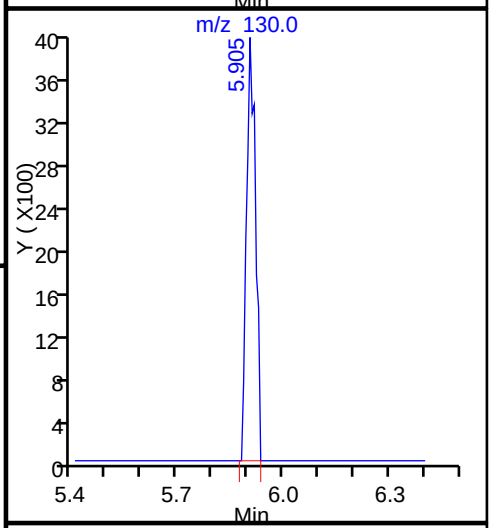
Injection Date:	14-Jun-2016 18:57:30	Instrument ID:	HP5973N
Lims ID:	480-101358-A-5-B	Lab Sample ID:	480-101358-5
Client ID:	B105-AREA2-S1		
Operator ID:	SO	ALS Bottle#:	47 Worklist Smp#: 22
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

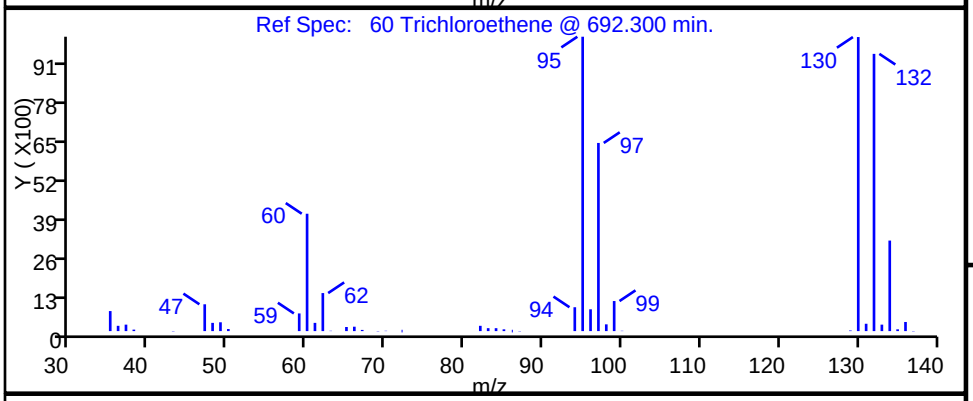
60 Trichloroethene, CAS: 79-01-6

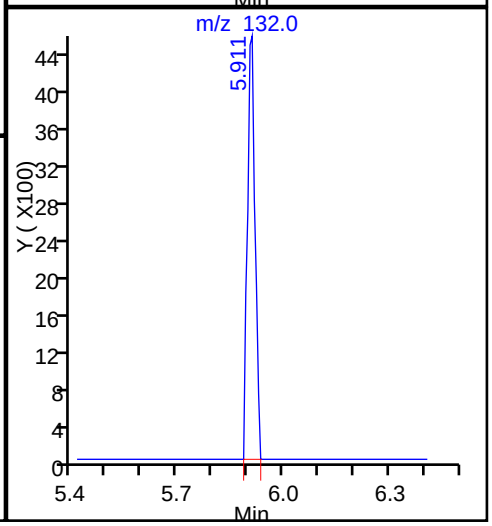


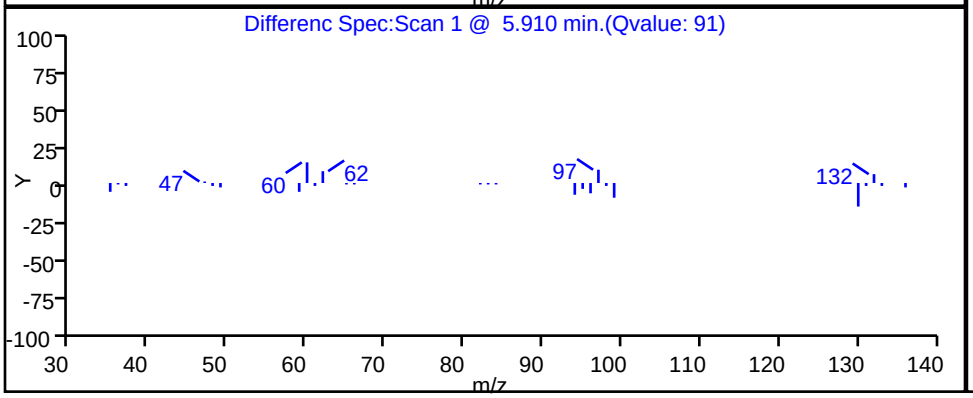












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S2 | Lab Sample ID: 480-101358-6

Matrix: Solid | Lab File ID: F7161.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:05

Sample wt/vol: 5.01(g) | Date Analyzed: 06/13/2016 16:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.5 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND	*	5.5	0.72
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.8
106-93-4	1,2-Dibromoethane	ND	*	5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND	*	5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.8
541-73-1	1,3-Dichlorobenzene	ND	*	5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.5	0.77
78-93-3	2-Butanone (MEK)	ND		28	2.0
591-78-6	2-Hexanone	ND	*	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	28	1.8
67-64-1	Acetone	ND		28	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND	*	5.5	2.8
74-83-9	Bromomethane	ND		5.5	0.50
75-15-0	Carbon disulfide	ND		5.5	2.8
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND	*	5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.5	0.71
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND	*	5.5	0.71
75-71-8	Dichlorodifluoromethane	ND		5.5	0.46
100-41-4	Ethylbenzene	ND	*	5.5	0.38
98-82-8	Isopropylbenzene	ND	*	5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S2 | Lab Sample ID: 480-101358-6

Matrix: Solid | Lab File ID: F7161.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:05

Sample wt/vol: 5.01(g) | Date Analyzed: 06/13/2016 16:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.5 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	10		5.5	2.5
100-42-5	Styrene	ND	*	5.5	0.28
127-18-4	Tetrachloroethene	15	*	5.5	0.74
108-88-3	Toluene	ND	*	5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	46	X *	72-126
2037-26-5	Toluene-d8 (Surr)	149	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7161.D
Lims ID: 480-101358-A-6-B
Client ID: B105-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 16:51:30 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-6-B
Misc. Info.: 480-0053989-017
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:53:48 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 17:59:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	151305	50.0	
* 2 Chlorobenzene-d5	82	8.089	8.083	0.006	88	147931	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	48598	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.042	5.041	0.001	0	117772	53.9	
$ 5 Toluene-d8 (Surr)	98	6.654	6.648	0.006	93	476710	74.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	46899	22.8	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.121				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.456				ND	
17 Trichlorofluoromethane	101		2.669				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	100	9905	3.63	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	88	55704	9.37	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.391	4.384	0.007	75	1601	0.3409	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95	5.583	5.583	0.000	91	4339	0.9640	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.796				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.940				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166	7.232	7.232	0.000	96	30264	13.6	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.482				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

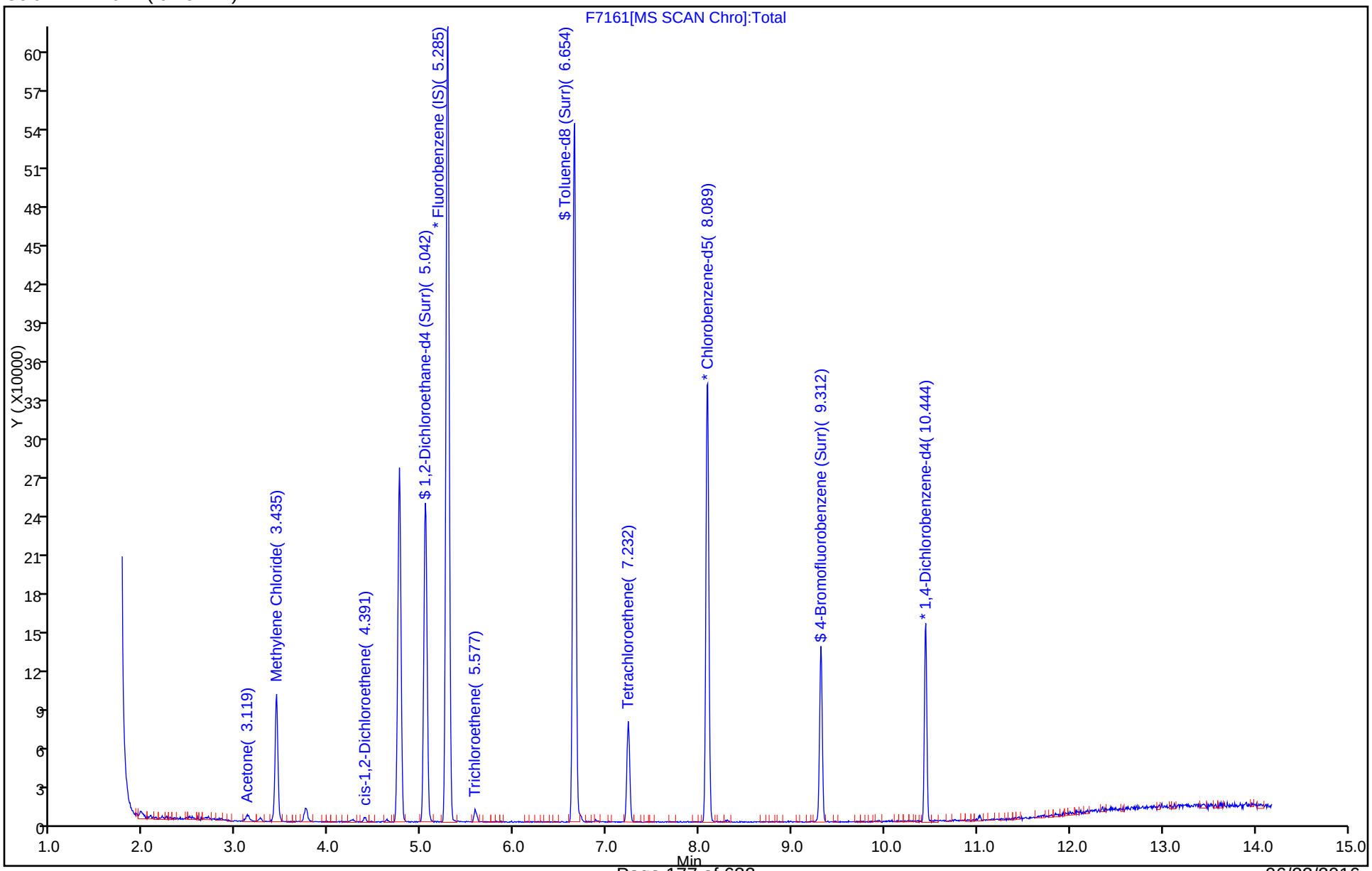
Report Date: 13-Jun-2016 17:59:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7161.D

Injection Date:	13-Jun-2016 16:51:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101358-A-6-B	Lab Sample ID:	480-101358-6	Worklist Smp#:	17
Client ID:	B105-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7161.D
Lims ID: 480-101358-A-6-B
Client ID: B105-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 16:51:30 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-6-B
Misc. Info.: 480-0053989-017
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:53:48 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

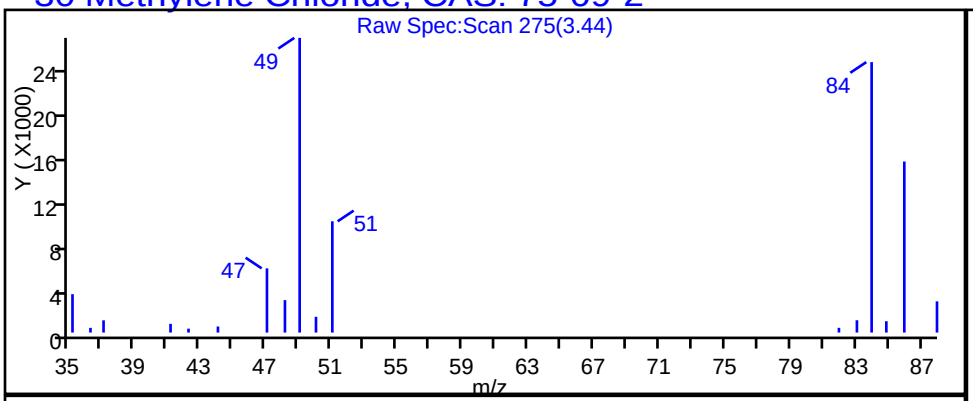
First Level Reviewer: diasn Date: 13-Jun-2016 17:59:01

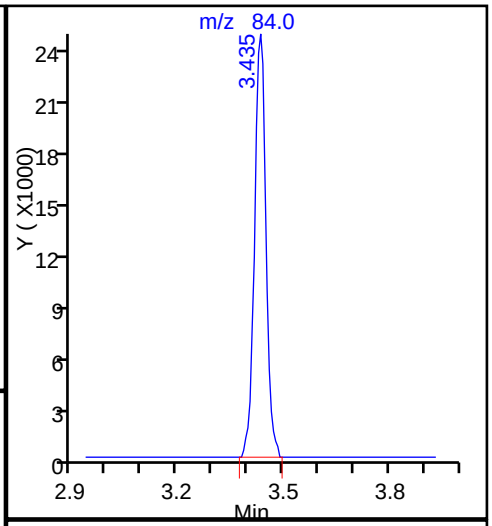
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	53.9	107.78
$ 5 Toluene-d8 (Surr)	50.0	74.5	149.08
$ 6 4-Bromofluorobenzene (Surr)	50.0	22.8	45.57

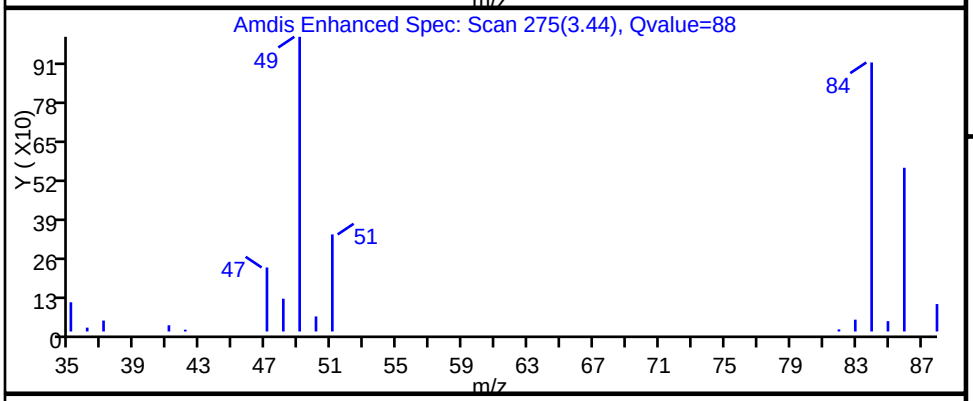
TestAmerica Buffalo

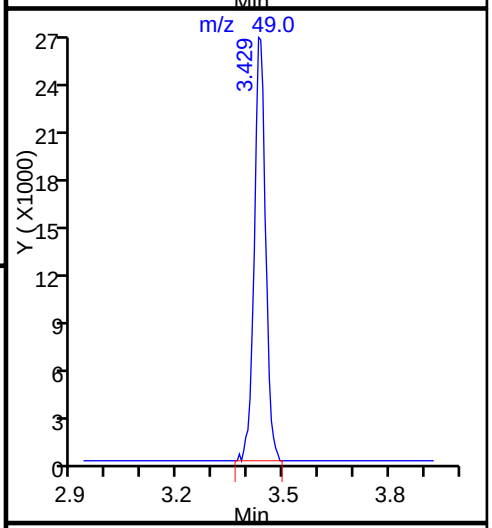
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7161.D				
Injection Date:	13-Jun-2016 16:51:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-6-B	Lab Sample ID:	480-101358-6		
Client ID:	B105-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

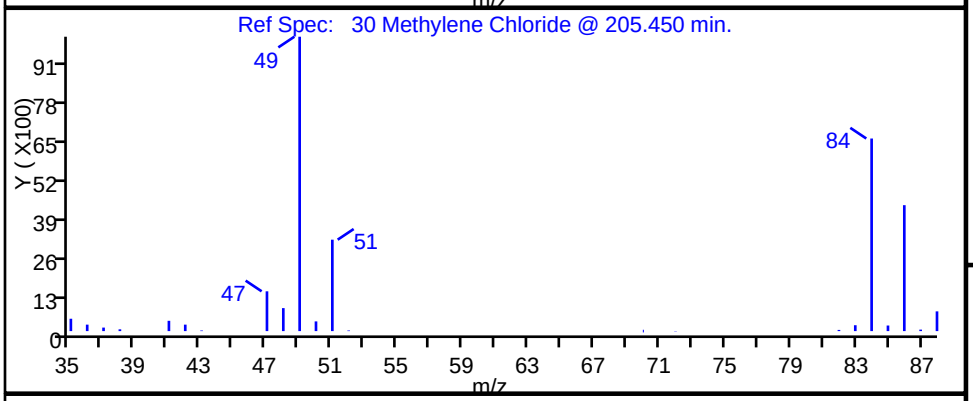
30 Methylene Chloride, CAS: 75-09-2

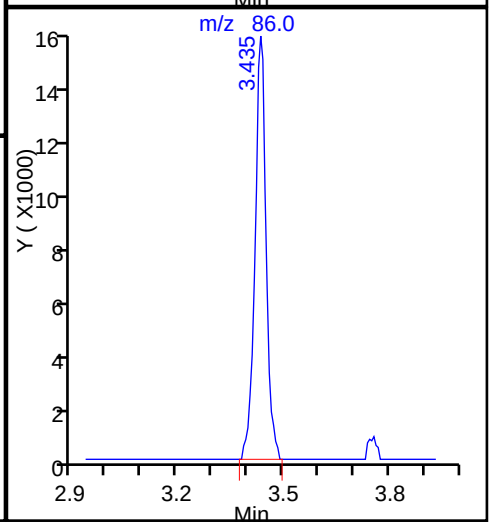


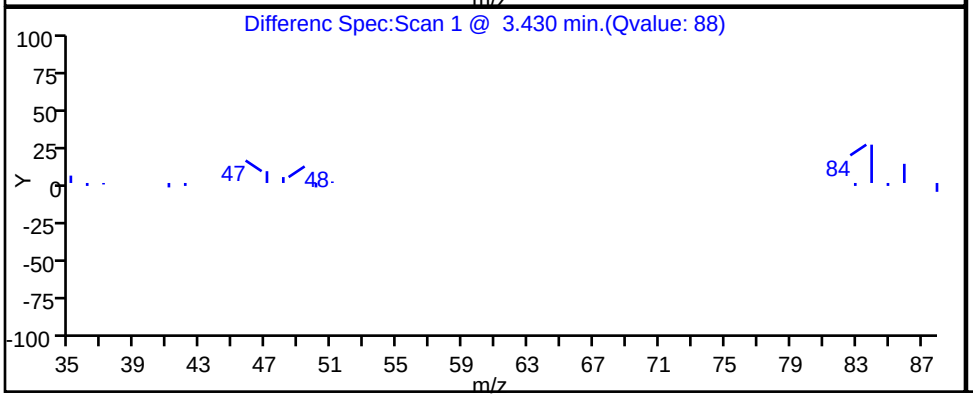






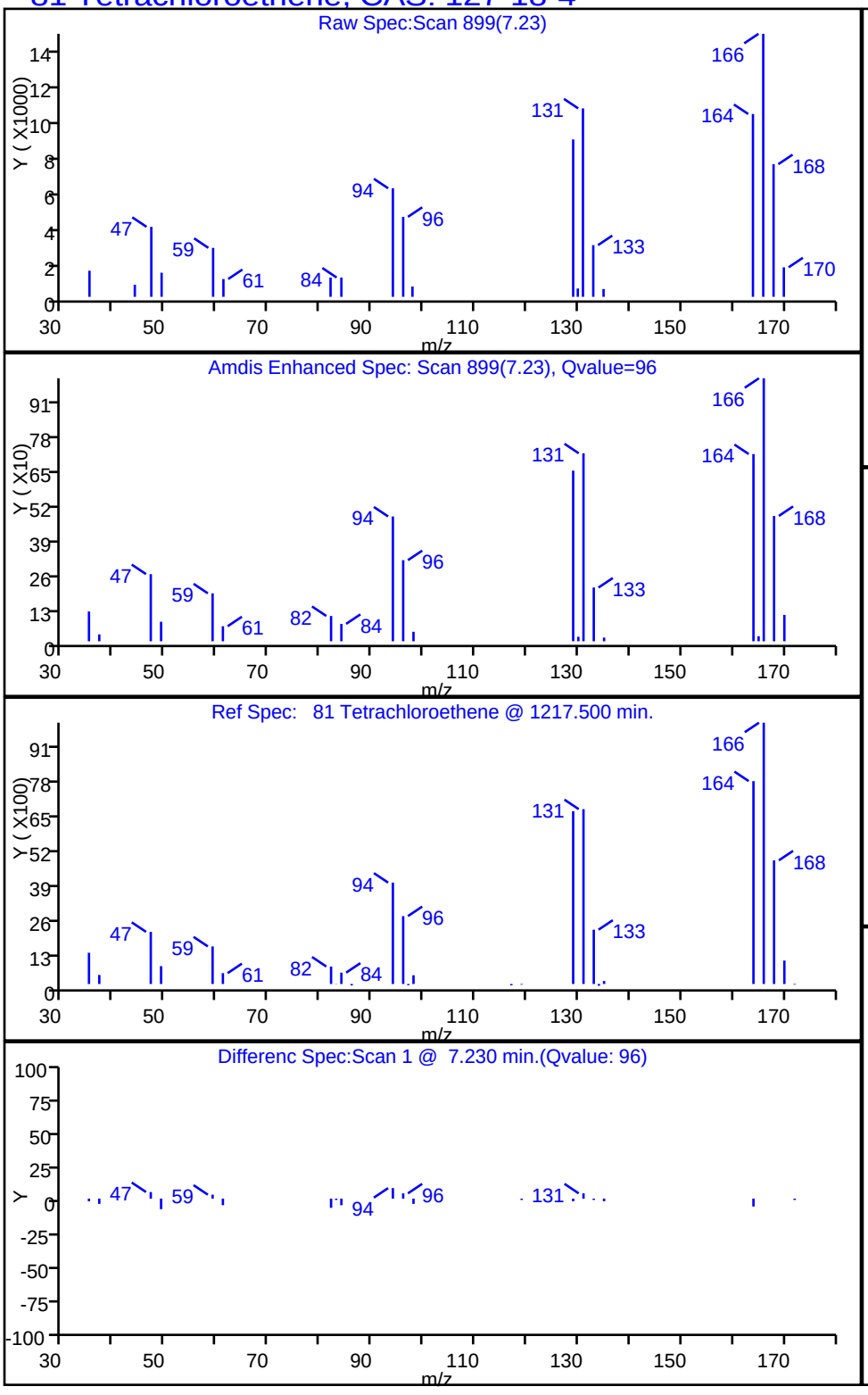


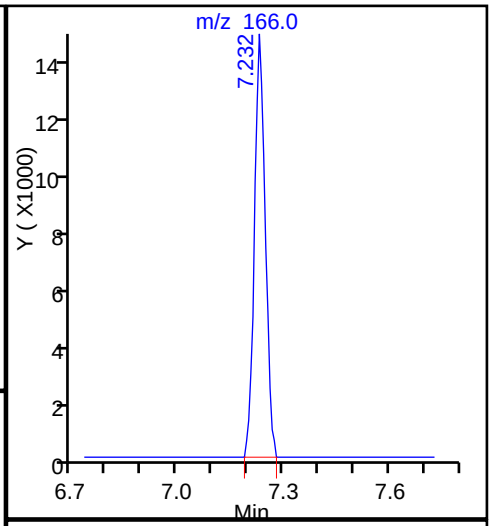


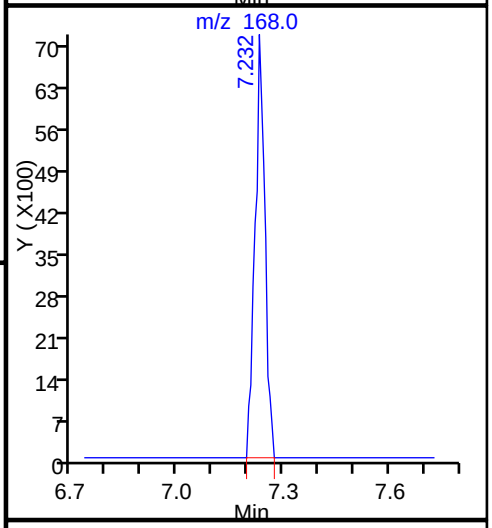


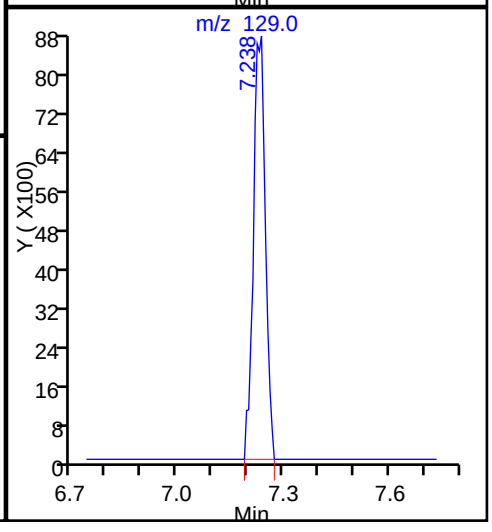
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7161.D
Injection Date: 13-Jun-2016 16:51:30 Instrument ID: HP5973F
Lims ID: 480-101358-A-6-B Lab Sample ID: 480-101358-6
Client ID: B105-AREA2-S2
Operator ID: CDC ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B106-AREA2-S1 | Lab Sample ID: 480-101358-7

Matrix: Solid | Lab File ID: F7162.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:30

Sample wt/vol: 5.03(g) | Date Analyzed: 06/13/2016 17:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.5	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
75-34-3	1,1-Dichloroethane	ND		5.5	0.66
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND	*	5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND	*	5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND	*	5.5	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.73
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.72
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	110		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.78
110-82-7	Cyclohexane	ND		5.5	0.76
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND	*	5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B106-AREA2-S1 | Lab Sample ID: 480-101358-7

Matrix: Solid | Lab File ID: F7162.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:30

Sample wt/vol: 5.03(g) | Date Analyzed: 06/13/2016 17:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	ND		5.5	0.73
108-88-3	Toluene	ND		5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	4.3	J	5.5	0.66
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		64-126
460-00-4	4-Bromofluorobenzene (Surr)	77		72-126
2037-26-5	Toluene-d8 (Surr)	113		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7162.D
Lims ID: 480-101358-A-7-B
Client ID: B106-AREA2-S1
Sample Type: Client
Inject. Date: 13-Jun-2016 17:16:30 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-7-B
Misc. Info.: 480-0053989-018
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:53:48 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 17:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	178680	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	303790	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	175164	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.047	5.041	0.006	0	134068	51.9	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	738916	56.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	163447	38.7	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62	2.121	2.121	0.000	96	15233	3.98	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.456				ND	
17 Trichlorofluoromethane	101		2.669				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	67	7700	0.8359	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	86	30484	2.19	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	80	547912	98.8	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.796				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.940				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.482				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

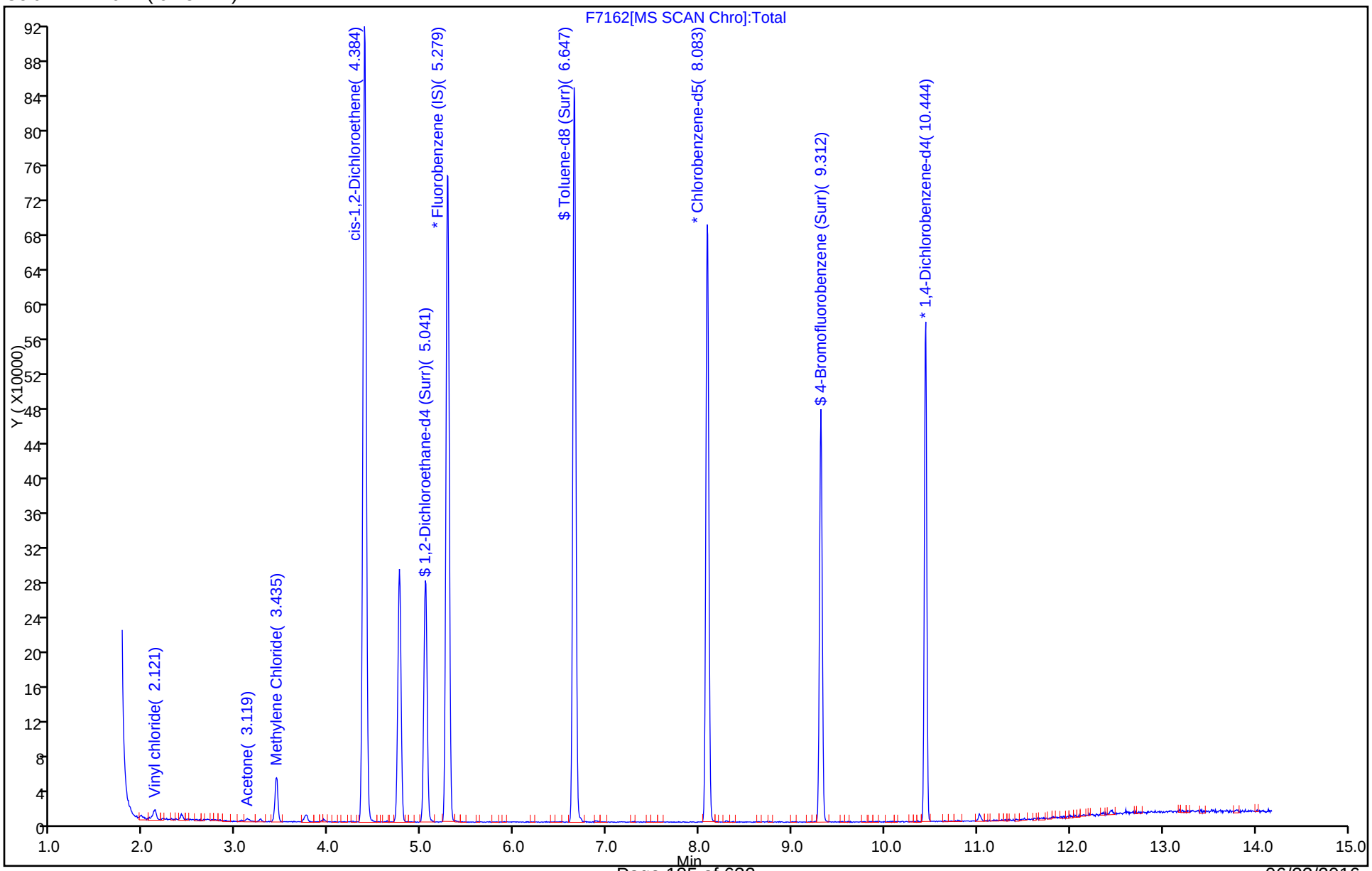
Report Date: 13-Jun-2016 17:59:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7162.D

Injection Date:	13-Jun-2016 17:16:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101358-A-7-B	Lab Sample ID:	480-101358-7	Worklist Smp#:	18
Client ID:	B106-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7162.D
Lims ID: 480-101358-A-7-B
Client ID: B106-AREA2-S1
Sample Type: Client
Inject. Date: 13-Jun-2016 17:16:30 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-7-B
Misc. Info.: 480-0053989-018
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:53:48 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 17:59:39

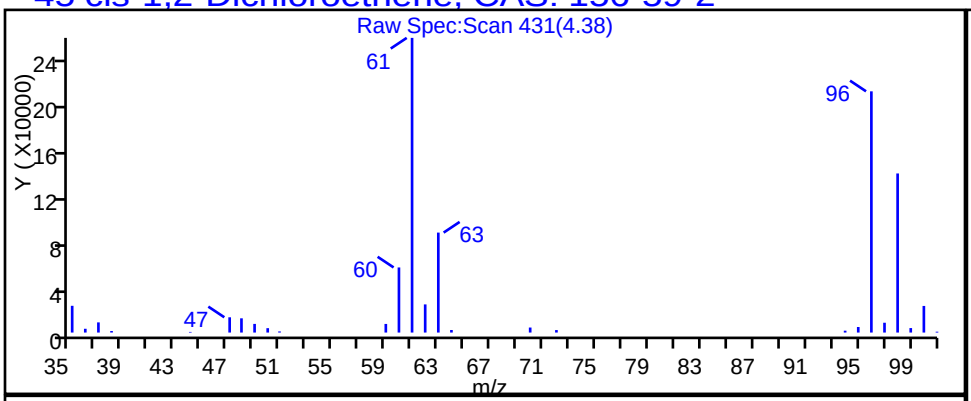
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	51.9	103.89
$ 5 Toluene-d8 (Surr)	50.0	56.3	112.52
$ 6 4-Bromofluorobenzene (Surr)	50.0	38.7	77.34

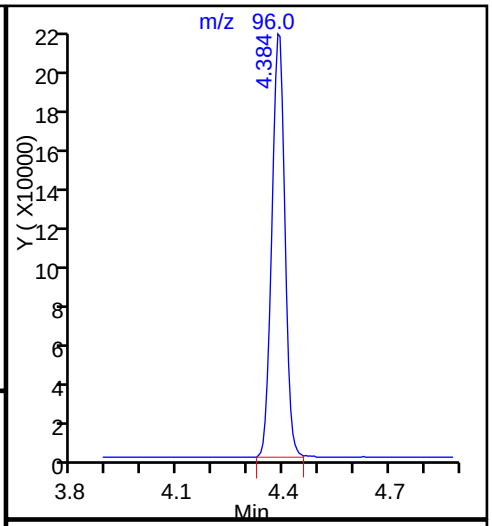
TestAmerica Buffalo

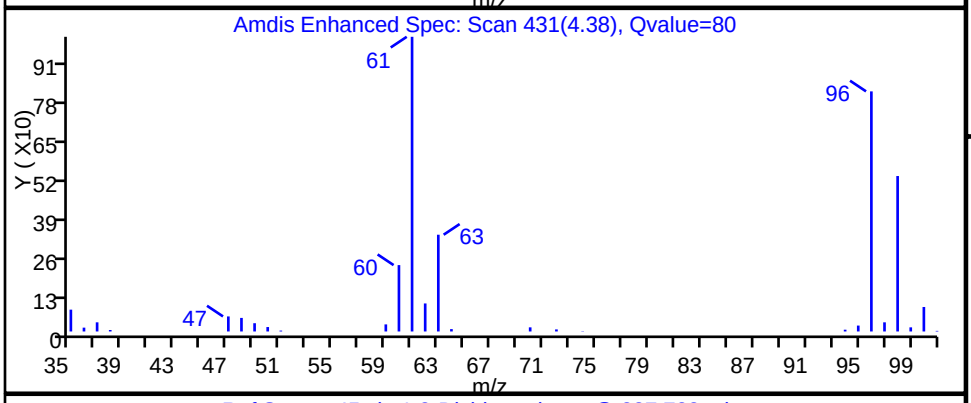
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7162.D

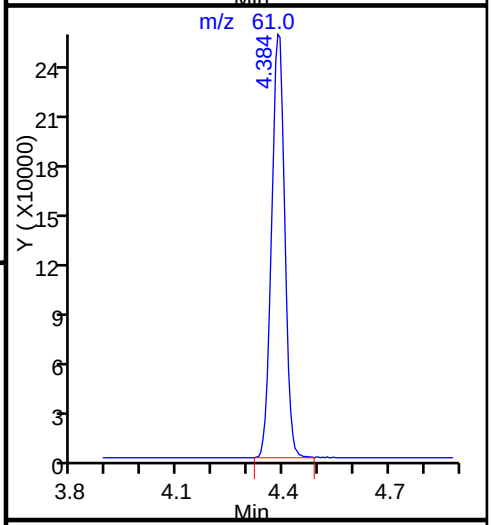
Injection Date:	13-Jun-2016 17:16:30	Instrument ID:	HP5973F
Lims ID:	480-101358-A-7-B	Lab Sample ID:	480-101358-7
Client ID:	B106-AREA2-S1		
Operator ID:	CDC	ALS Bottle#:	10 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

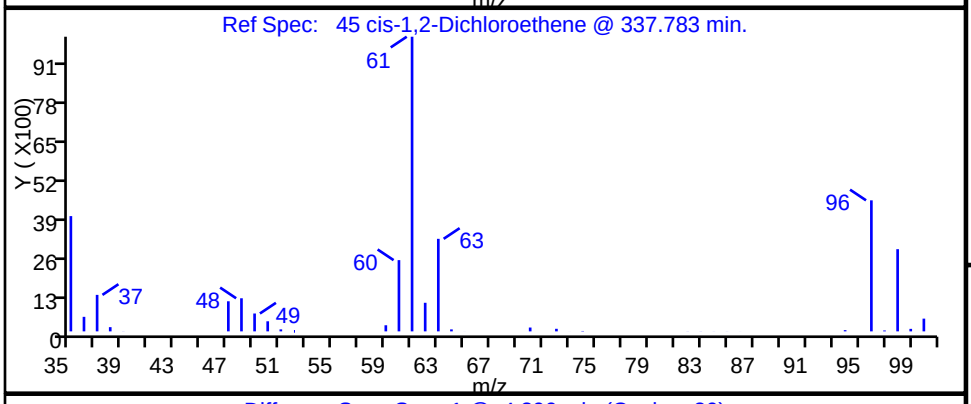
45 cis-1,2-Dichloroethene, CAS: 156-59-2

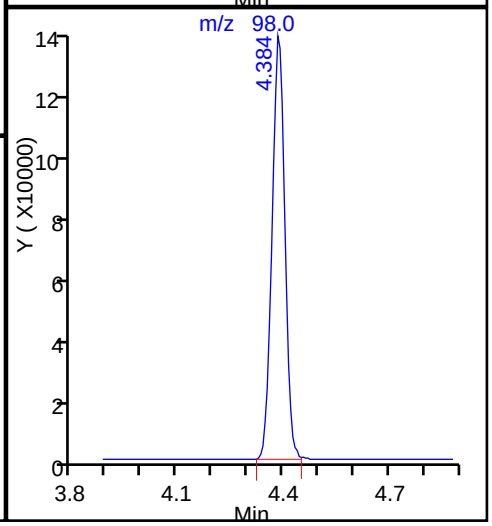


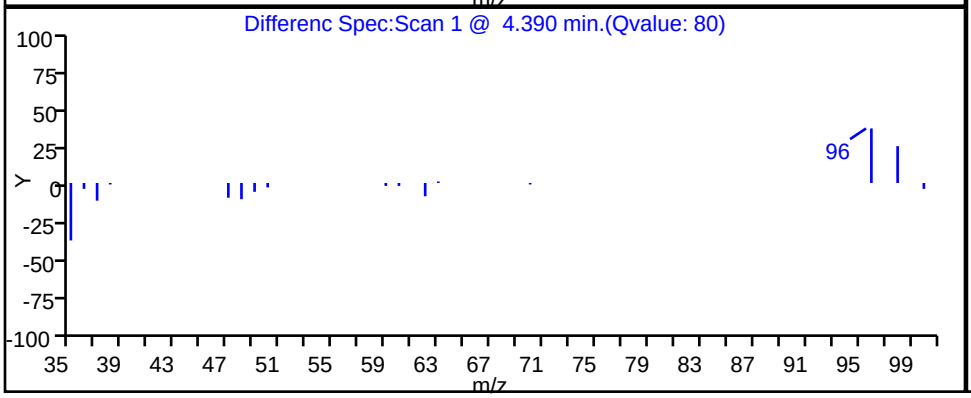








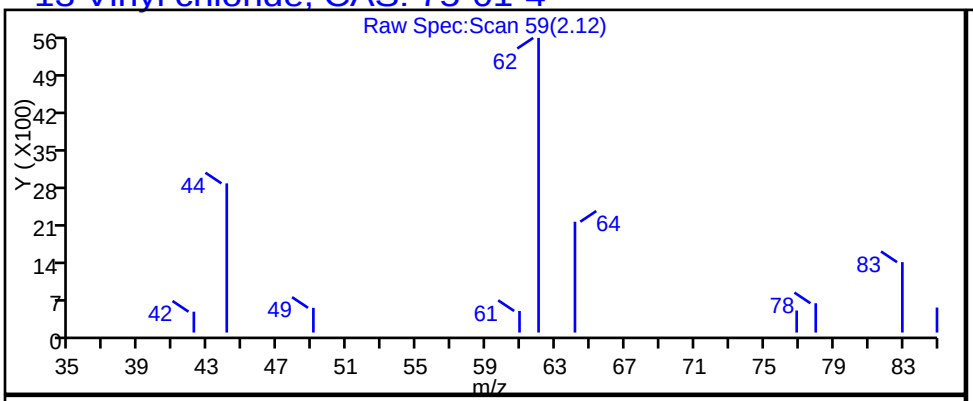


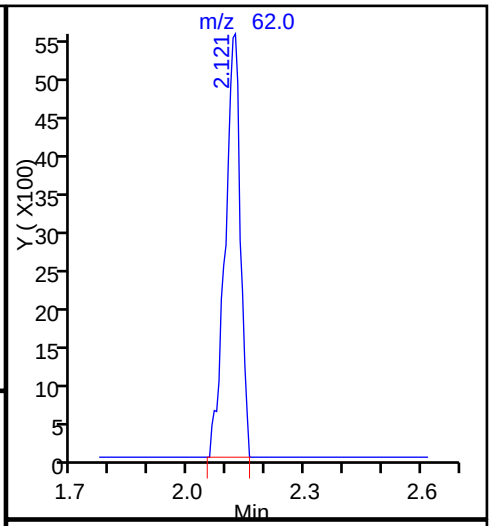


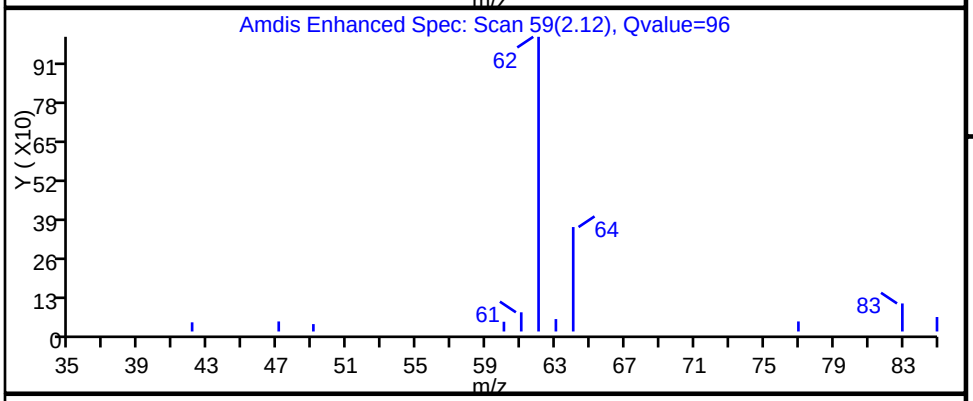
TestAmerica Buffalo

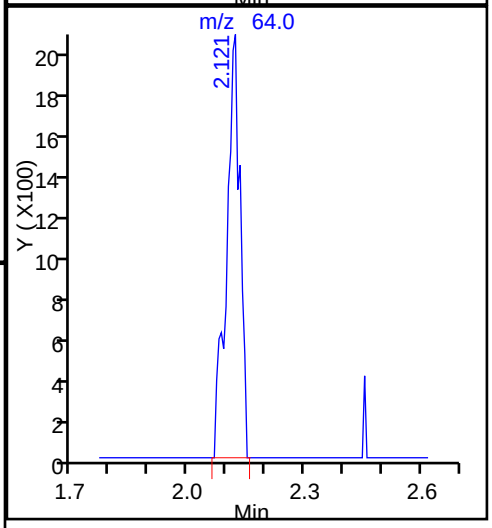
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7162.D				
Injection Date:	13-Jun-2016 17:16:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-7-B	Lab Sample ID:	480-101358-7		
Client ID:	B106-AREA2-S1				
Operator ID:	CDC	ALS Bottle#:	10	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

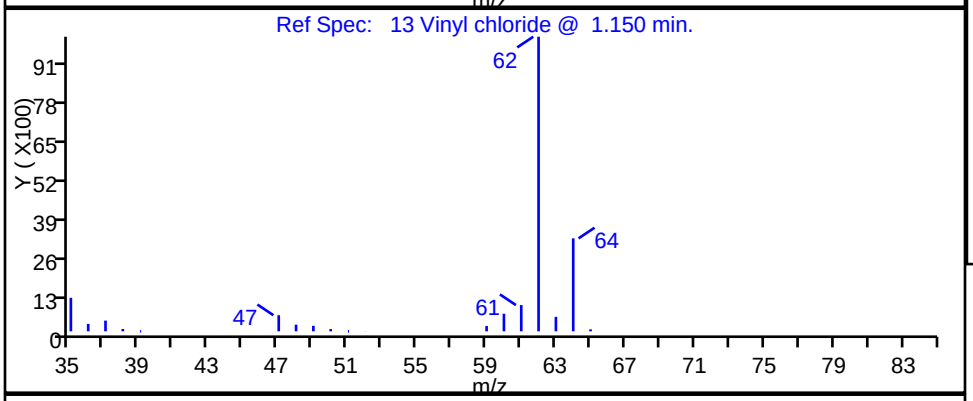
13 Vinyl chloride, CAS: 75-01-4

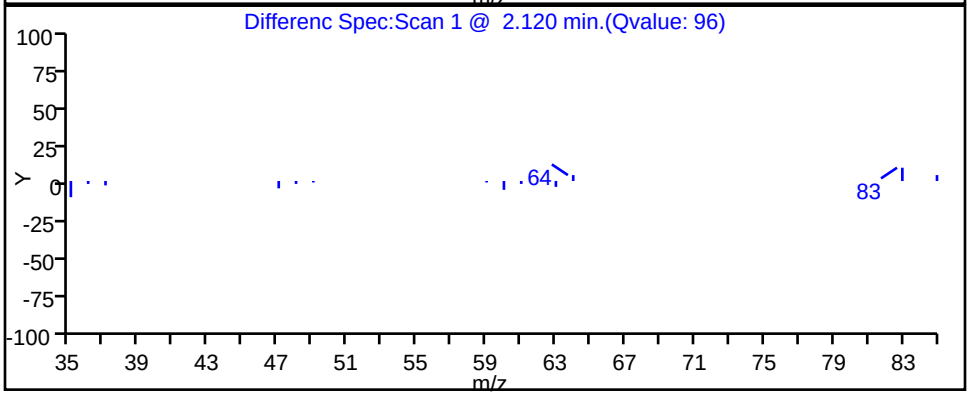












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B106-AREA2-S2 | Lab Sample ID: 480-101358-8

Matrix: Solid | Lab File ID: F7180.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:35

Sample wt/vol: 5.1(g) | Date Analyzed: 06/14/2016 01:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 5.9 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	ND	*	5.2	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	1.2
79-00-5	1,1,2-Trichloroethane	ND	*	5.2	0.68
75-34-3	1,1-Dichloroethane	ND		5.2	0.64
75-35-4	1,1-Dichloroethene	ND		5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	ND	*	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND	*	5.2	2.6
106-93-4	1,2-Dibromoethane	ND	*	5.2	0.67
95-50-1	1,2-Dichlorobenzene	ND	*	5.2	0.41
107-06-2	1,2-Dichloroethane	ND		5.2	0.26
78-87-5	1,2-Dichloropropane	ND		5.2	2.6
541-73-1	1,3-Dichlorobenzene	ND	*	5.2	0.27
106-46-7	1,4-Dichlorobenzene	ND	*	5.2	0.73
78-93-3	2-Butanone (MEK)	ND		26	1.9
591-78-6	2-Hexanone	ND	*	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	*	26	1.7
67-64-1	Acetone	ND		26	4.4
71-43-2	Benzene	ND		5.2	0.26
75-27-4	Bromodichloromethane	ND		5.2	0.70
75-25-2	Bromoform	ND	*	5.2	2.6
74-83-9	Bromomethane	ND		5.2	0.47
75-15-0	Carbon disulfide	ND		5.2	2.6
56-23-5	Carbon tetrachloride	ND		5.2	0.50
108-90-7	Chlorobenzene	ND	*	5.2	0.69
75-00-3	Chloroethane	ND		5.2	1.2
67-66-3	Chloroform	ND		5.2	0.32
74-87-3	Chloromethane	ND		5.2	0.31
156-59-2	cis-1,2-Dichloroethene	ND		5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	ND		5.2	0.75
110-82-7	Cyclohexane	ND		5.2	0.73
124-48-1	Dibromochloromethane	ND	*	5.2	0.67
75-71-8	Dichlorodifluoromethane	ND		5.2	0.43
100-41-4	Ethylbenzene	ND	*	5.2	0.36
98-82-8	Isopropylbenzene	ND	*	5.2	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B106-AREA2-S2 | Lab Sample ID: 480-101358-8

Matrix: Solid | Lab File ID: F7180.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:35

Sample wt/vol: 5.1(g) | Date Analyzed: 06/14/2016 01:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 5.9 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.2	3.1
1634-04-4	Methyl tert-butyl ether	ND		5.2	0.51
108-87-2	Methylcyclohexane	ND		5.2	0.79
75-09-2	Methylene Chloride	5.6		5.2	2.4
100-42-5	Styrene	ND	*	5.2	0.26
127-18-4	Tetrachloroethene	ND	*	5.2	0.70
108-88-3	Toluene	0.86	J *	5.2	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	ND	*	5.2	2.3
79-01-6	Trichloroethene	ND		5.2	1.1
75-69-4	Trichlorofluoromethane	ND		5.2	0.49
75-01-4	Vinyl chloride	ND		5.2	0.64
1330-20-7	Xylenes, Total	ND		10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	51	X *	72-126
2037-26-5	Toluene-d8 (Surr)	146	X *	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7180.D
Lims ID: 480-101358-A-8-B
Client ID: B106-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 01:30:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:50:09 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:50:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	152281	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	153943	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	50020	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	117407	53.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	485724	73.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	54098	25.3	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43		3.101				ND	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	86	39443	5.40	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96	4.390	4.390	0.006	74	2342	0.4954	M
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	
65 1,2-Dichloropropane	63		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92	6.714	6.714	0.000	34	4407	0.8258	M
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

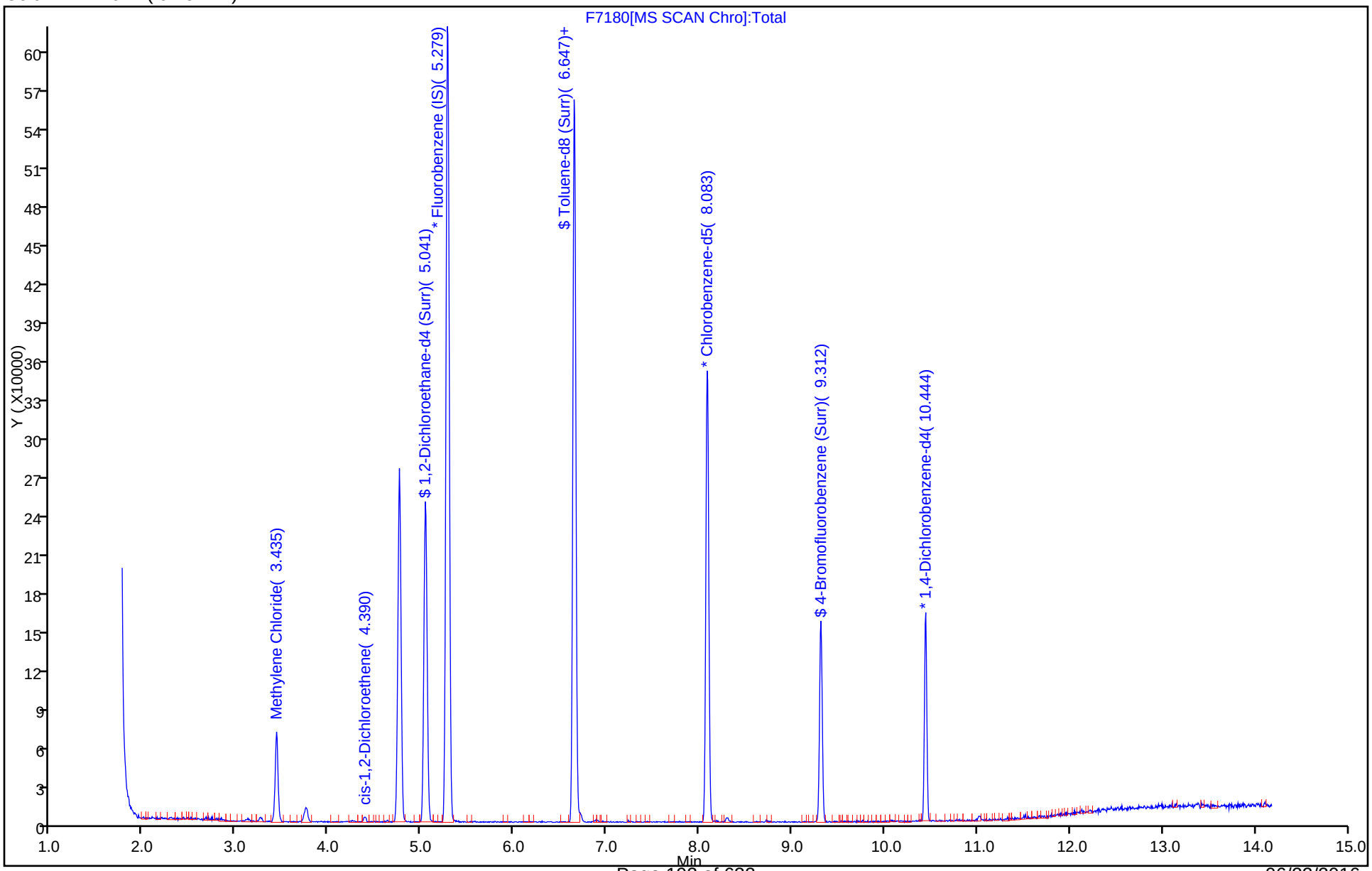
Report Date: 14-Jun-2016 09:50:10 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7180.D

Injection Date:	14-Jun-2016 01:30:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101358-A-8-B	Lab Sample ID:	480-101358-8	Worklist Smp#:	8
Client ID:	B106-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7180.D
Lims ID: 480-101358-A-8-B
Client ID: B106-AREA2-S2
Sample Type: Client
Inject. Date: 14-Jun-2016 01:30:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:50:09 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

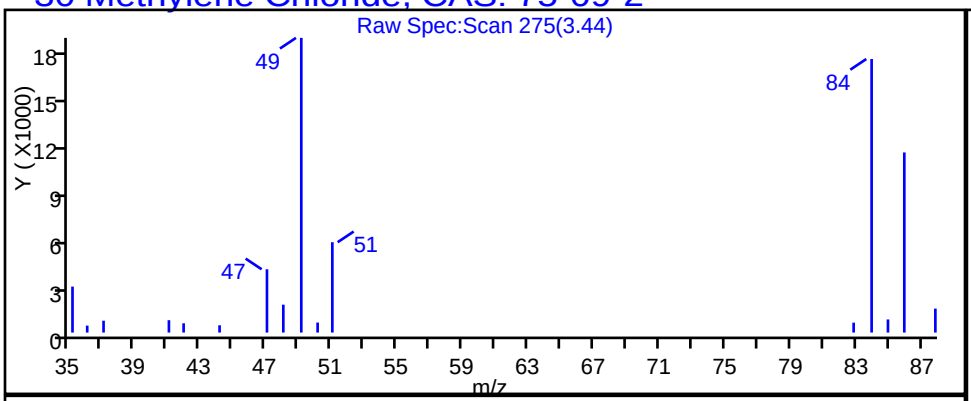
First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:50:08

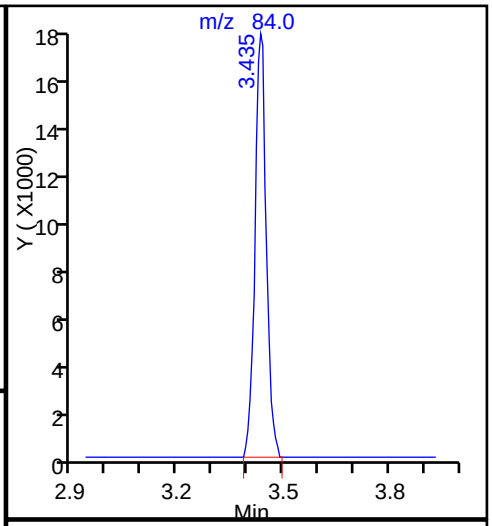
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	53.4	106.76
$ 5 Toluene-d8 (Surr)	50.0	73.0	145.96
$ 6 4-Bromofluorobenzene (Surr)	50.0	25.3	50.51

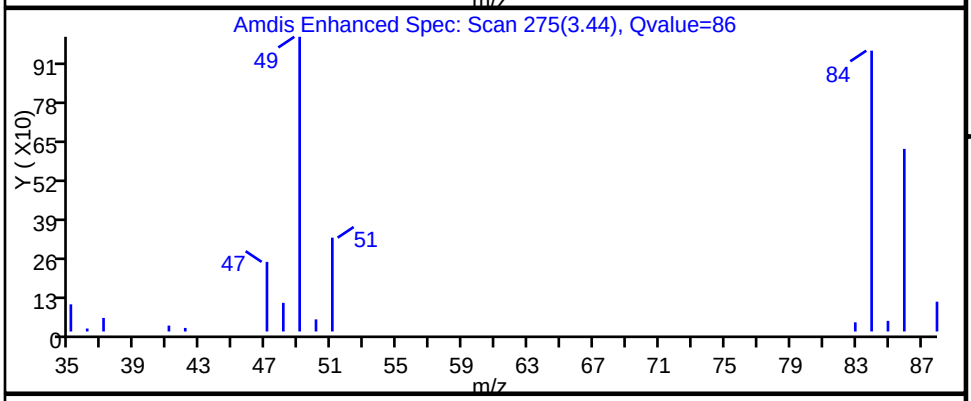
TestAmerica Buffalo

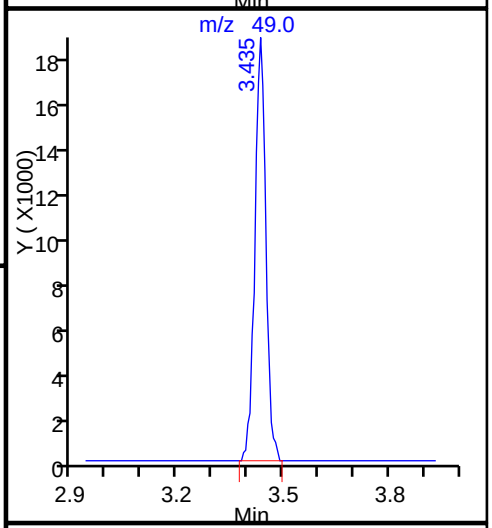
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7180.D				
Injection Date:	14-Jun-2016 01:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-8-B	Lab Sample ID:	480-101358-8		
Client ID:	B106-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

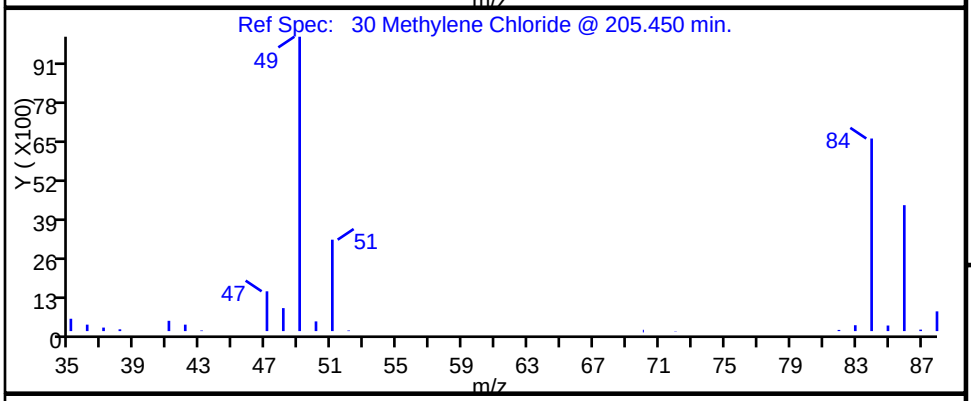
30 Methylene Chloride, CAS: 75-09-2

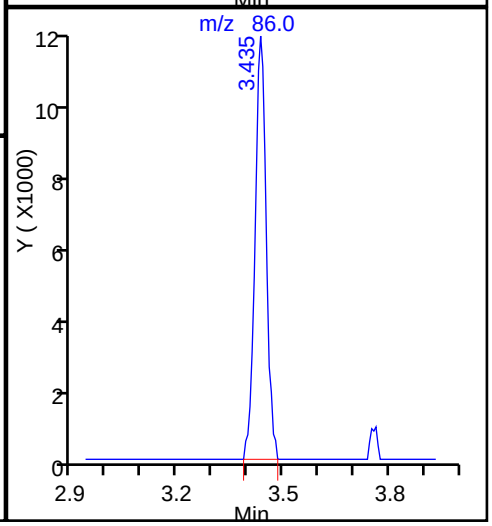


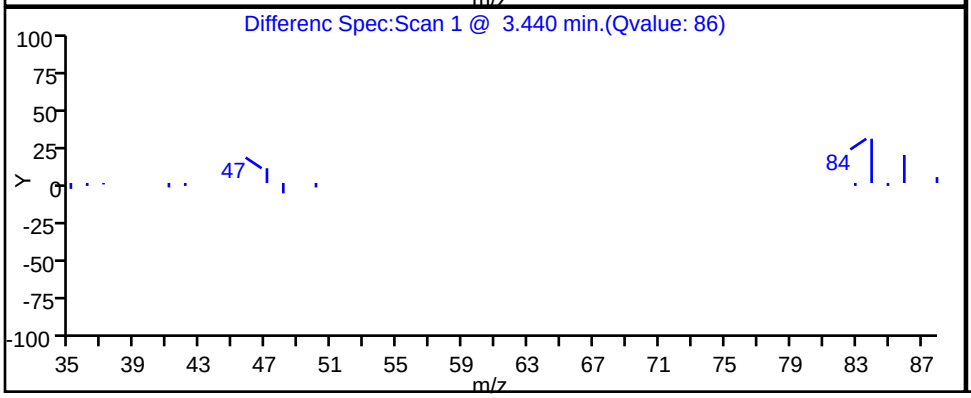








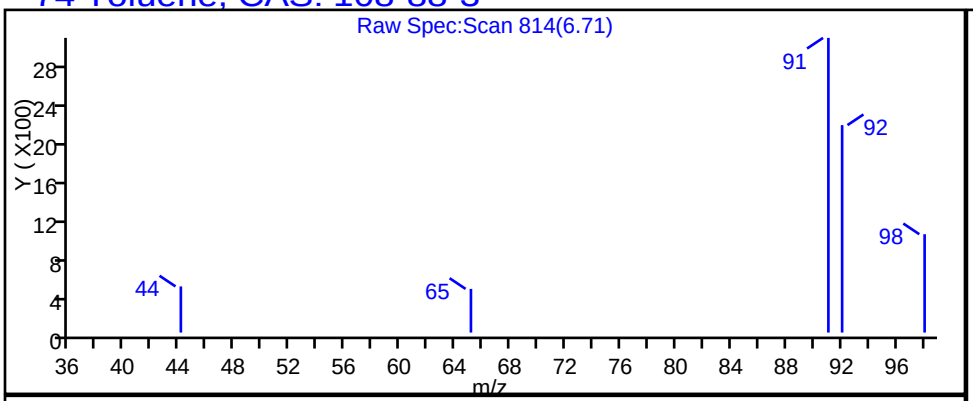


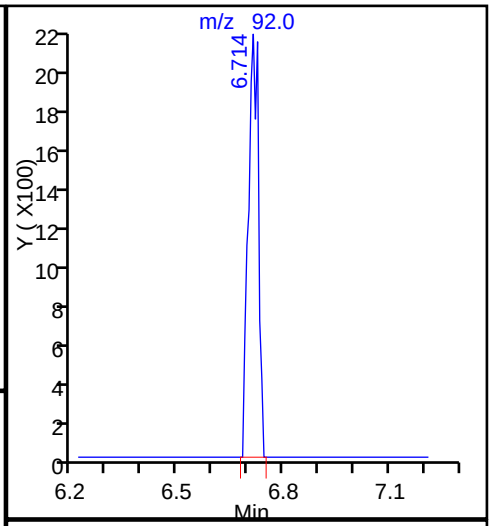


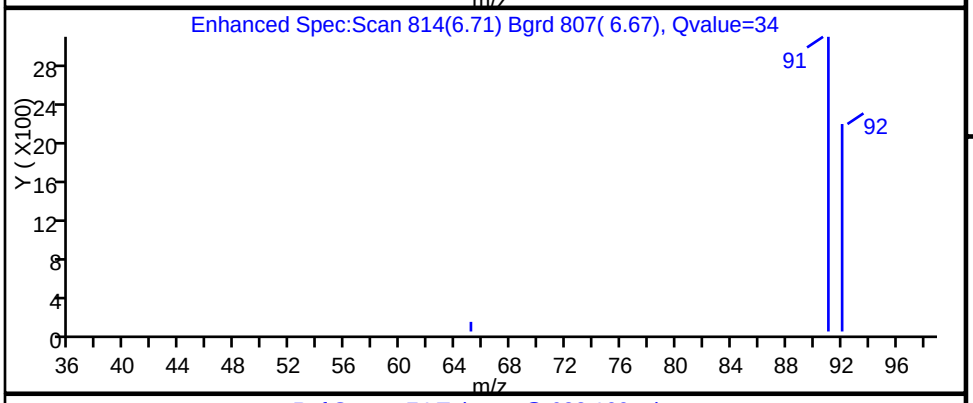
TestAmerica Buffalo

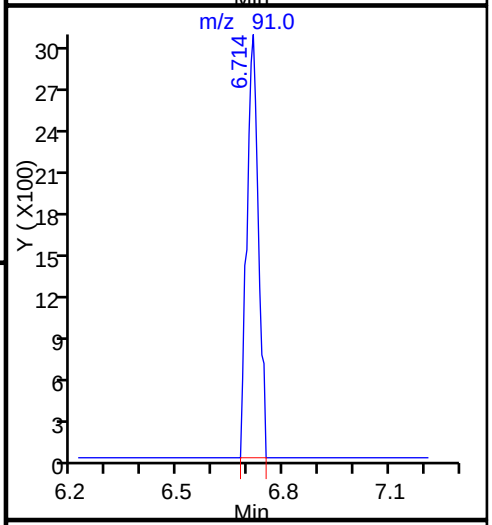
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7180.D				
Injection Date:	14-Jun-2016 01:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-8-B	Lab Sample ID:	480-101358-8		
Client ID:	B106-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

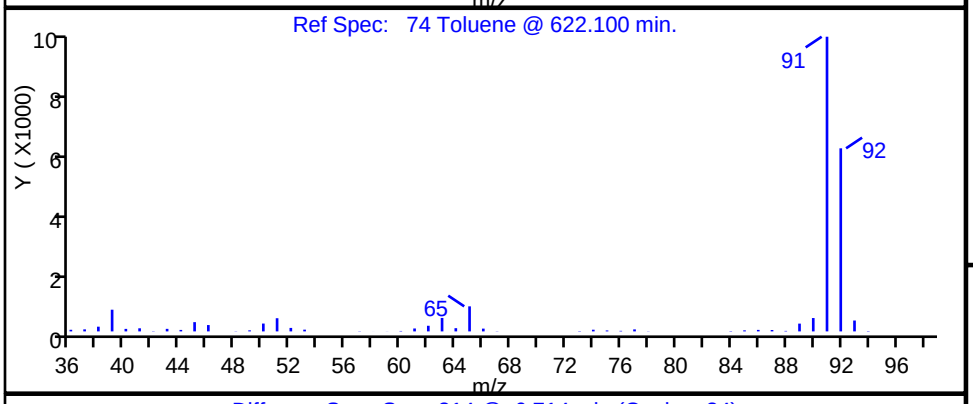
74 Toluene, CAS: 108-88-3

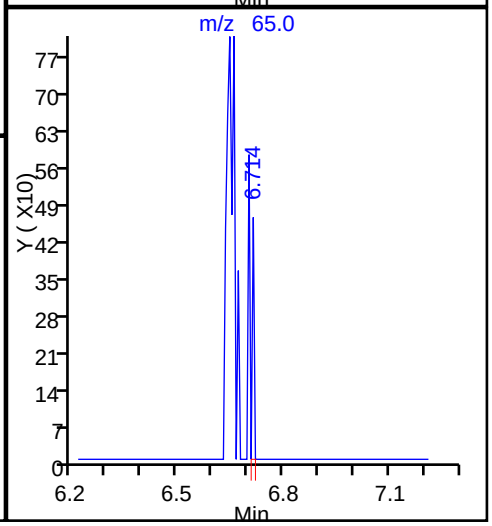


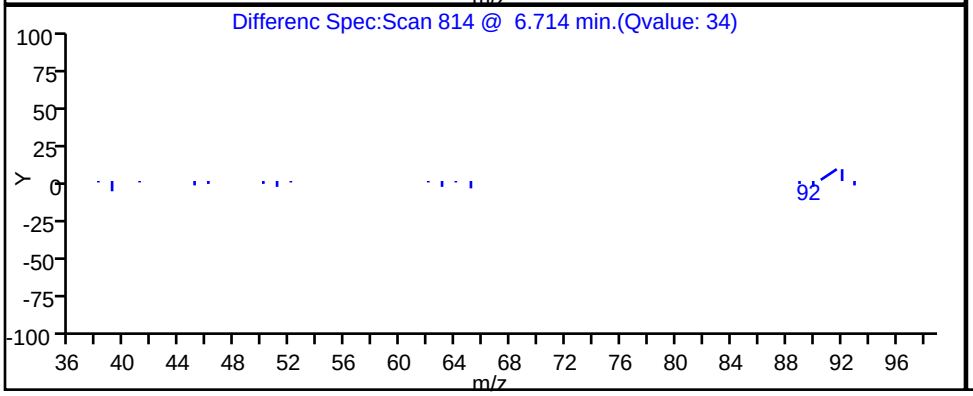












Manual Integration/User Assign Peak Report

TestAmerica Buffalo

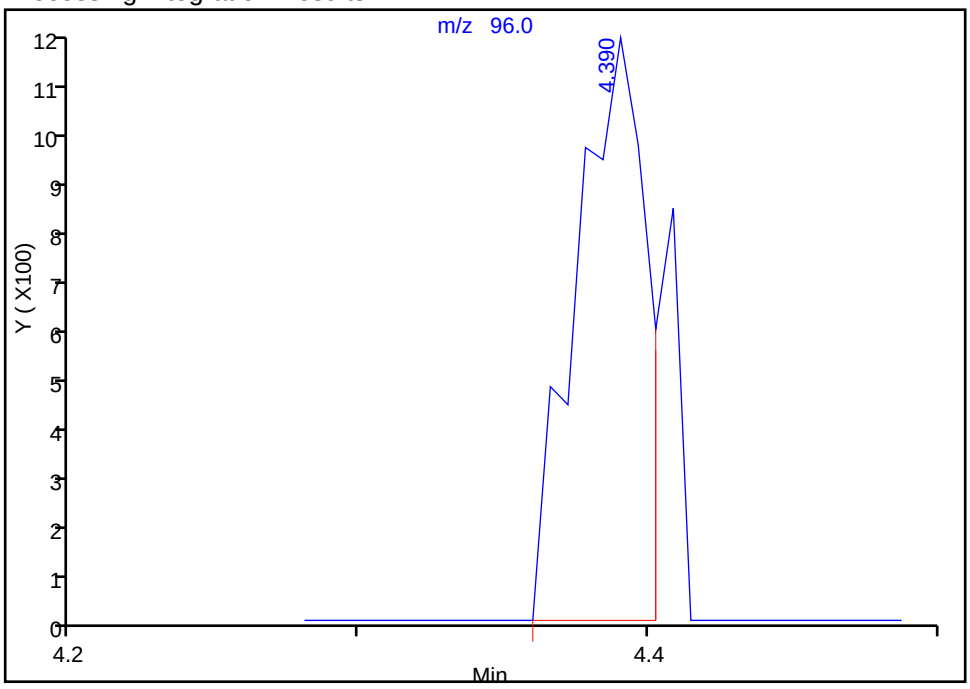
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7180.D				
Injection Date:	14-Jun-2016 01:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-8-B	Lab Sample ID:	480-101358-8		
Client ID:	B106-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

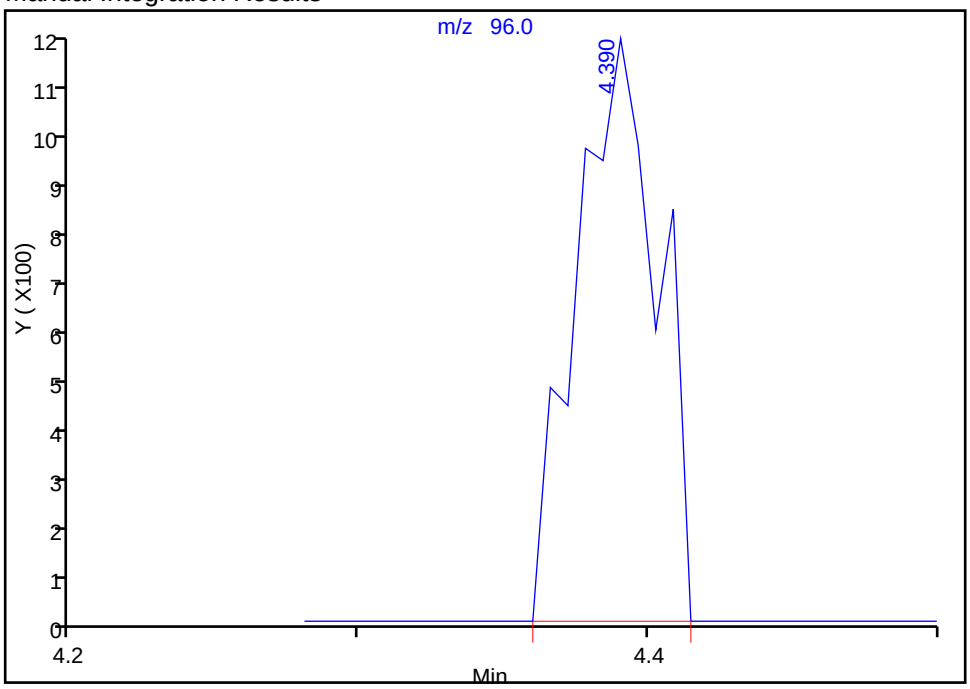
Processing Integration Results

RT: 4.39
Area: 2035
Amount: 0.430484
Amount Units: ug/kg



Manual Integration Results

RT: 4.39
Area: 2342
Amount: 0.495427
Amount Units: ug/kg



Reviewer: cwiklinc, 14-Jun-2016 09:50:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

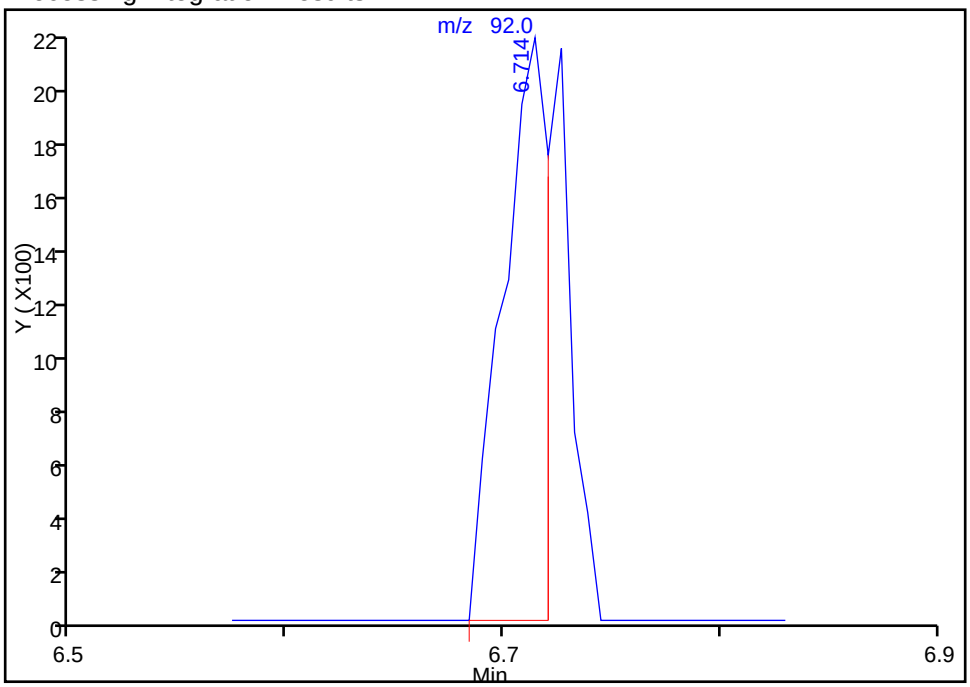
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7180.D				
Injection Date:	14-Jun-2016 01:30:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-8-B	Lab Sample ID:	480-101358-8		
Client ID:	B106-AREA2-S2				
Operator ID:	NMD	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Signal: 1

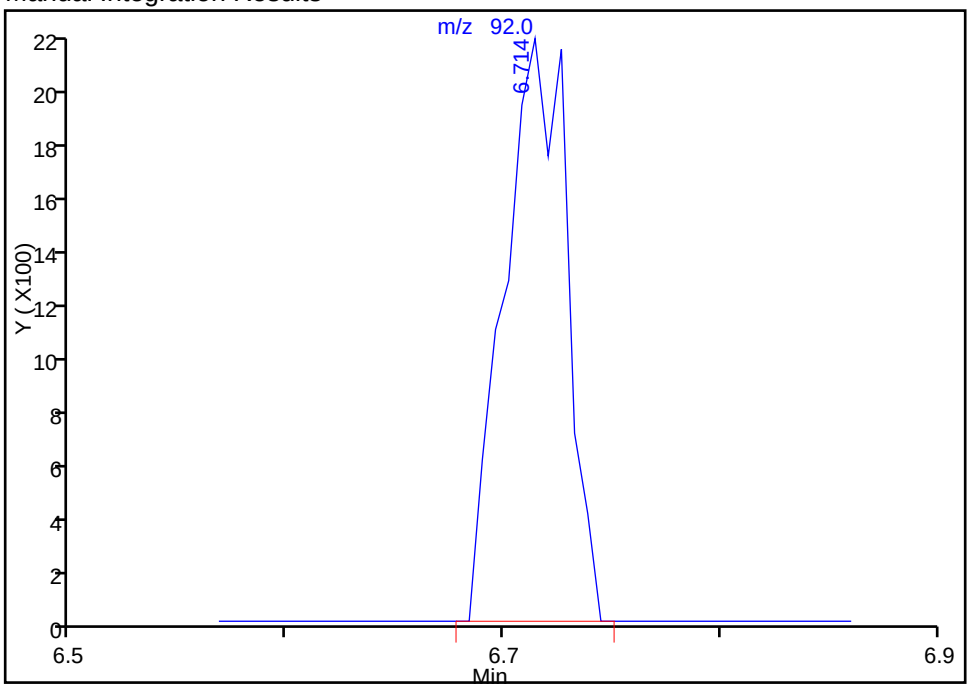
Processing Integration Results

RT: 6.71
Area: 3221
Amount: 0.603541
Amount Units: ug/kg



Manual Integration Results

RT: 6.71
Area: 4407
Amount: 0.825769
Amount Units: ug/kg



Reviewer: cwiklinc, 14-Jun-2016 09:50:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S1 | Lab Sample ID: 480-101358-9

Matrix: Solid | Lab File ID: F7181.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:05

Sample wt/vol: 5.11(g) | Date Analyzed: 06/14/2016 01:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 11.0 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.89
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.71
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.73
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	0.87	J	5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S1 | Lab Sample ID: 480-101358-9

Matrix: Solid | Lab File ID: F7181.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:05

Sample wt/vol: 5.11(g) | Date Analyzed: 06/14/2016 01:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 11.0 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.84
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	ND		5.5	0.74
108-88-3	Toluene	ND		5.5	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND		11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	85		72-126
2037-26-5	Toluene-d8 (Surr)	106		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7181.D
Lims ID: 480-101358-A-9-B
Client ID: B107-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 01:55:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-9-B
Misc. Info.: 480-0054007-009
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:51:43 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:51:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	175088	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	313420	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	212216	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	128248	50.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	715902	52.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	185186	42.5	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43		3.101				ND	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	88	28976	2.01	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96	4.372	4.384	-0.012	73	4301	0.7913	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 IS_00455	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added: 1.00	Units: uL	Run Reagent

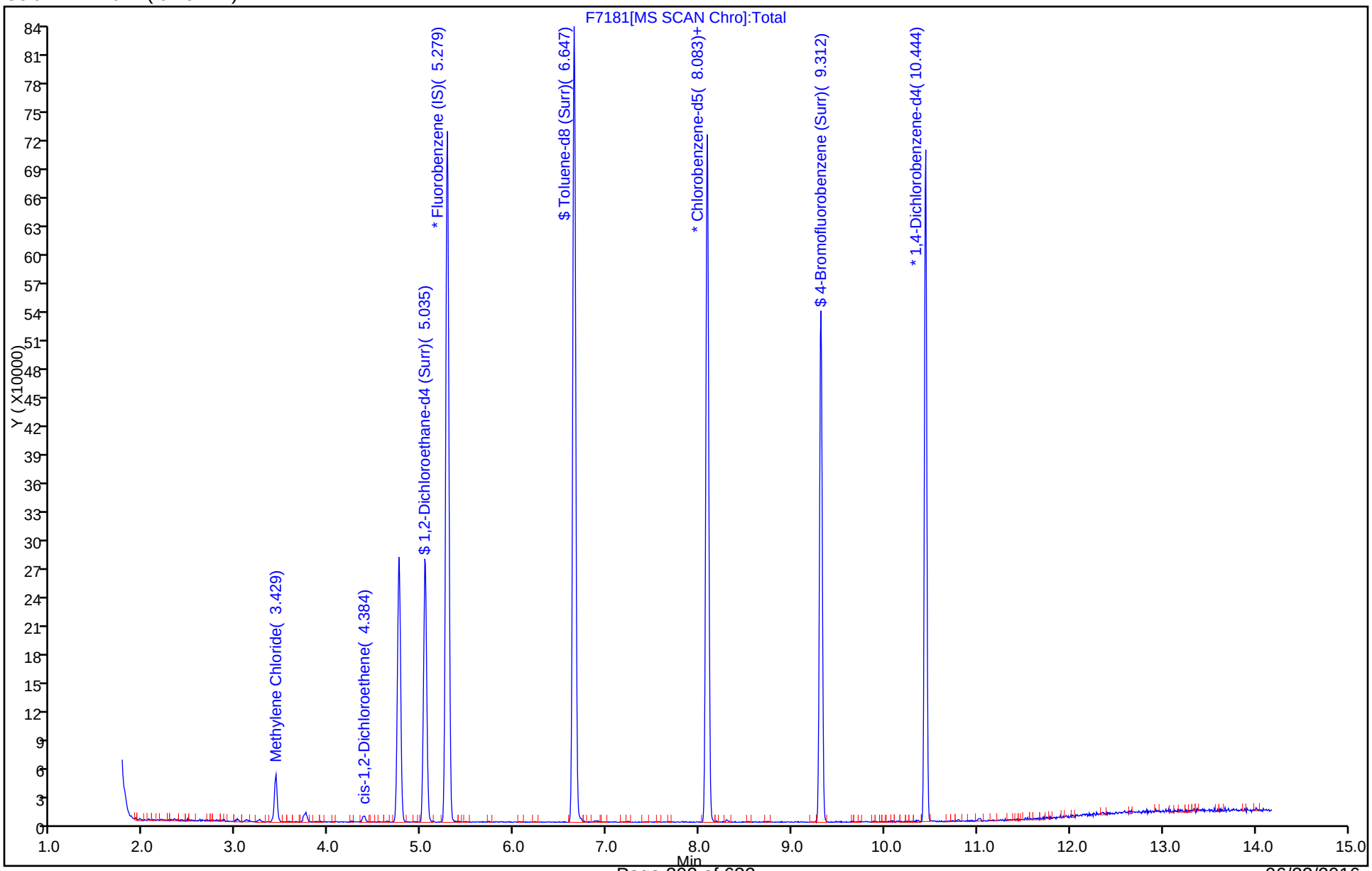
Report Date: 14-Jun-2016 09:51:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7181.D

Injection Date:	14-Jun-2016 01:55:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101358-A-9-B	Lab Sample ID:	480-101358-9	Worklist Smp#:	9
Client ID:	B107-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7181.D
Lims ID: 480-101358-A-9-B
Client ID: B107-AREA2-S1
Sample Type: Client
Inject. Date: 14-Jun-2016 01:55:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-9-B
Misc. Info.: 480-0054007-009
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:51:43 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:51:43

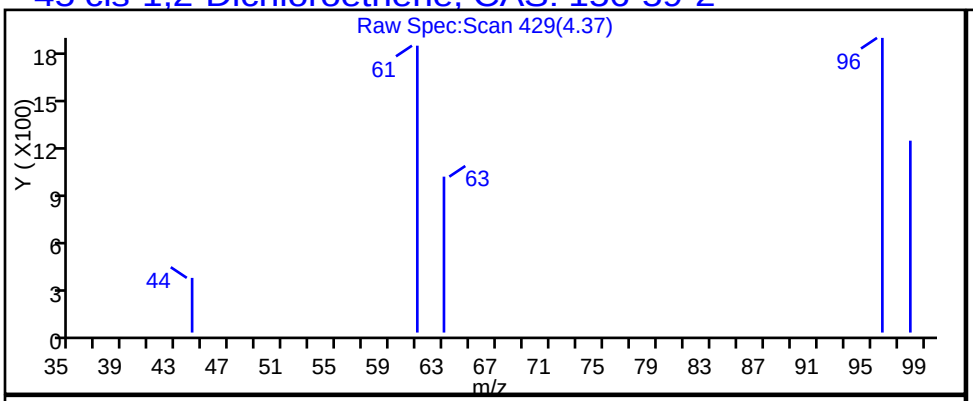
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	50.7	101.42
$ 5 Toluene-d8 (Surr)	50.0	52.8	105.67
$ 6 4-Bromofluorobenzene (Surr)	50.0	42.5	84.93

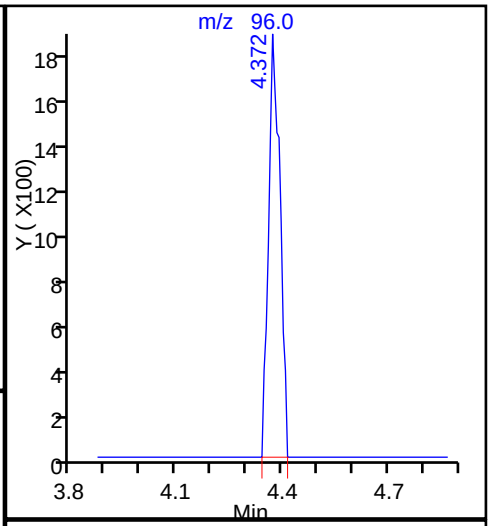
TestAmerica Buffalo

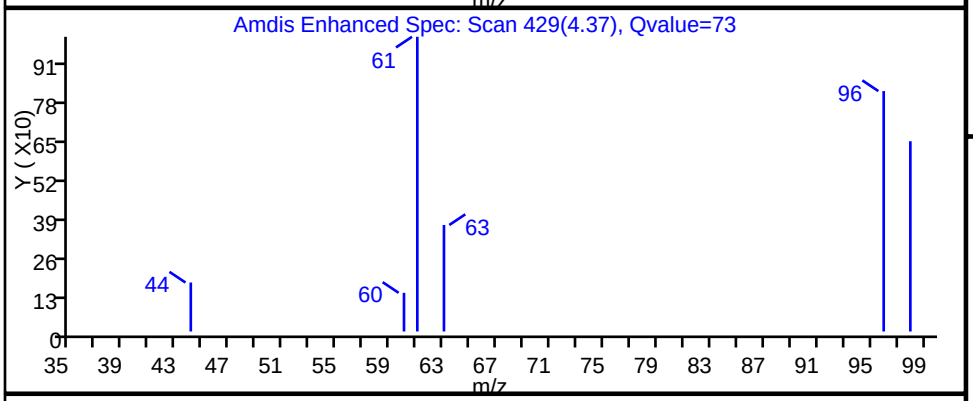
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7181.D

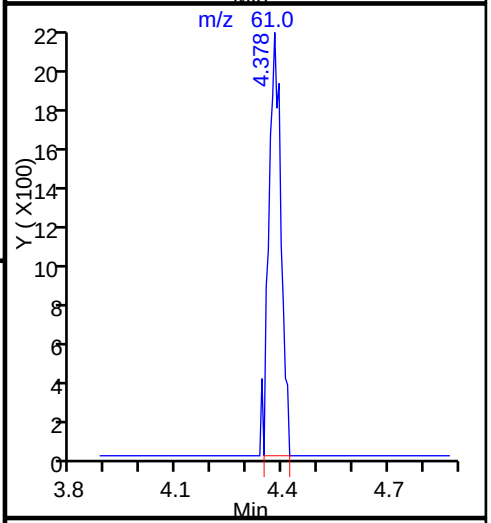
Injection Date:	14-Jun-2016 01:55:30	Instrument ID:	HP5973F
Lims ID:	480-101358-A-9-B	Lab Sample ID:	480-101358-9
Client ID:	B107-AREA2-S1		
Operator ID:	NMD	ALS Bottle#:	9 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

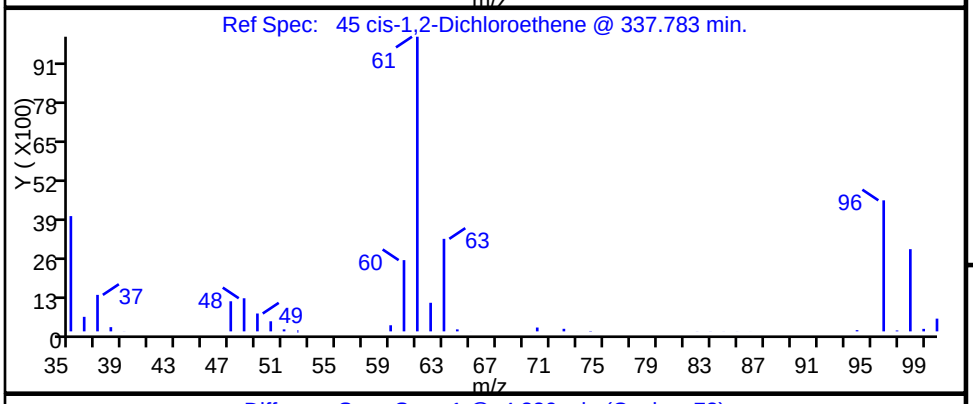
45 cis-1,2-Dichloroethene, CAS: 156-59-2

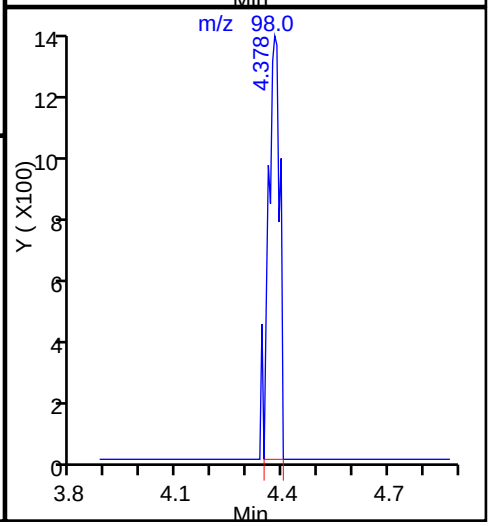


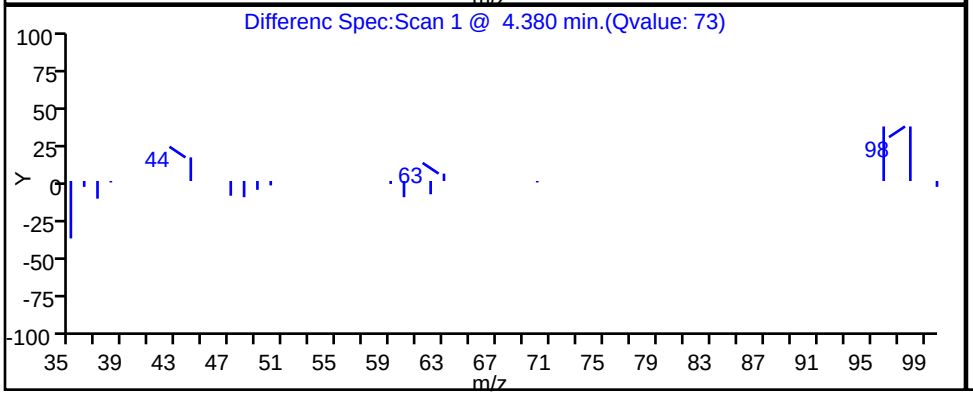












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S2 | Lab Sample ID: 480-101358-10

Matrix: Solid | Lab File ID: F7163.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:15

Sample wt/vol: 5(g) | Date Analyzed: 06/13/2016 17:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	6.2	0.45
79-34-5	1,1,2,2-Tetrachloroethane	ND	* F1	6.2	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	1.4
79-00-5	1,1,2-Trichloroethane	ND	* F1	6.2	0.80
75-34-3	1,1-Dichloroethane	ND	F1	6.2	0.75
75-35-4	1,1-Dichloroethene	ND		6.2	0.75
120-82-1	1,2,4-Trichlorobenzene	ND	* F1	6.2	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND	* F1	6.2	3.1
106-93-4	1,2-Dibromoethane	ND	* F1	6.2	0.79
95-50-1	1,2-Dichlorobenzene	ND	* F1	6.2	0.48
107-06-2	1,2-Dichloroethane	ND	F1	6.2	0.31
78-87-5	1,2-Dichloropropane	ND	F1	6.2	3.1
541-73-1	1,3-Dichlorobenzene	ND	* F1 F2	6.2	0.32
106-46-7	1,4-Dichlorobenzene	ND	* F1 F2	6.2	0.86
78-93-3	2-Butanone (MEK)	ND	F1	31	2.3
591-78-6	2-Hexanone	ND	* F1	31	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	* F1	31	2.0
67-64-1	Acetone	11	J	31	5.2
71-43-2	Benzene	ND	F1	6.2	0.30
75-27-4	Bromodichloromethane	ND	F1	6.2	0.83
75-25-2	Bromoform	ND	* F1	6.2	3.1
74-83-9	Bromomethane	ND		6.2	0.55
75-15-0	Carbon disulfide	ND	F1	6.2	3.1
56-23-5	Carbon tetrachloride	ND	F1	6.2	0.60
108-90-7	Chlorobenzene	ND	* F1	6.2	0.81
75-00-3	Chloroethane	ND	F1	6.2	1.4
67-66-3	Chloroform	ND	F1	6.2	0.38
74-87-3	Chloromethane	ND		6.2	0.37
156-59-2	cis-1,2-Dichloroethene	ND	F1	6.2	0.79
10061-01-5	cis-1,3-Dichloropropene	ND	F1	6.2	0.89
110-82-7	Cyclohexane	ND	F1	6.2	0.86
124-48-1	Dibromochloromethane	ND	* F1	6.2	0.79
75-71-8	Dichlorodifluoromethane	ND		6.2	0.51
100-41-4	Ethylbenzene	ND	* F1	6.2	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S2 | Lab Sample ID: 480-101358-10

Matrix: Solid | Lab File ID: F7163.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:15

Sample wt/vol: 5(g) | Date Analyzed: 06/13/2016 17:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	ND	* F1	6.2	0.93
79-20-9	Methyl acetate	ND		6.2	3.7
1634-04-4	Methyl tert-butyl ether	ND		6.2	0.60
108-87-2	Methylcyclohexane	ND	F1	6.2	0.94
75-09-2	Methylene Chloride	11	F1	6.2	2.8
100-42-5	Styrene	ND	* F1	6.2	0.31
127-18-4	Tetrachloroethene	ND	* F1	6.2	0.83
108-88-3	Toluene	ND	* F1	6.2	0.47
156-60-5	trans-1,2-Dichloroethene	ND	F1	6.2	0.64
10061-02-6	trans-1,3-Dichloropropene	ND	* F1	6.2	2.7
79-01-6	Trichloroethene	ND	F1	6.2	1.4
75-69-4	Trichlorofluoromethane	ND	F1	6.2	0.58
75-01-4	Vinyl chloride	ND		6.2	0.75
1330-20-7	Xylenes, Total	ND	F1	12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	56	* X	72-126
2037-26-5	Toluene-d8 (Surr)	134	* X	71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7163.D
Lims ID: 480-101358-A-10-D
Client ID: B107-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 17:42:30 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-10-D
Misc. Info.: 480-0053989-019
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:53:48 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 18:20:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	162847	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	205544	50.0	s
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	72138	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.042	5.041	0.001	0	123198	52.4	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	596821	67.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	80269	28.1	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.121				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.456				ND	
17 Trichlorofluoromethane	101		2.669				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.107	3.101	0.006	99	17528	8.90	
26 Carbon disulfide	76	3.253	3.253	0.000	99	8673	0.5923	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	88	57881	8.90	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96	4.391	4.384	0.007	1	1428	0.2825	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.796				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.940				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.482				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

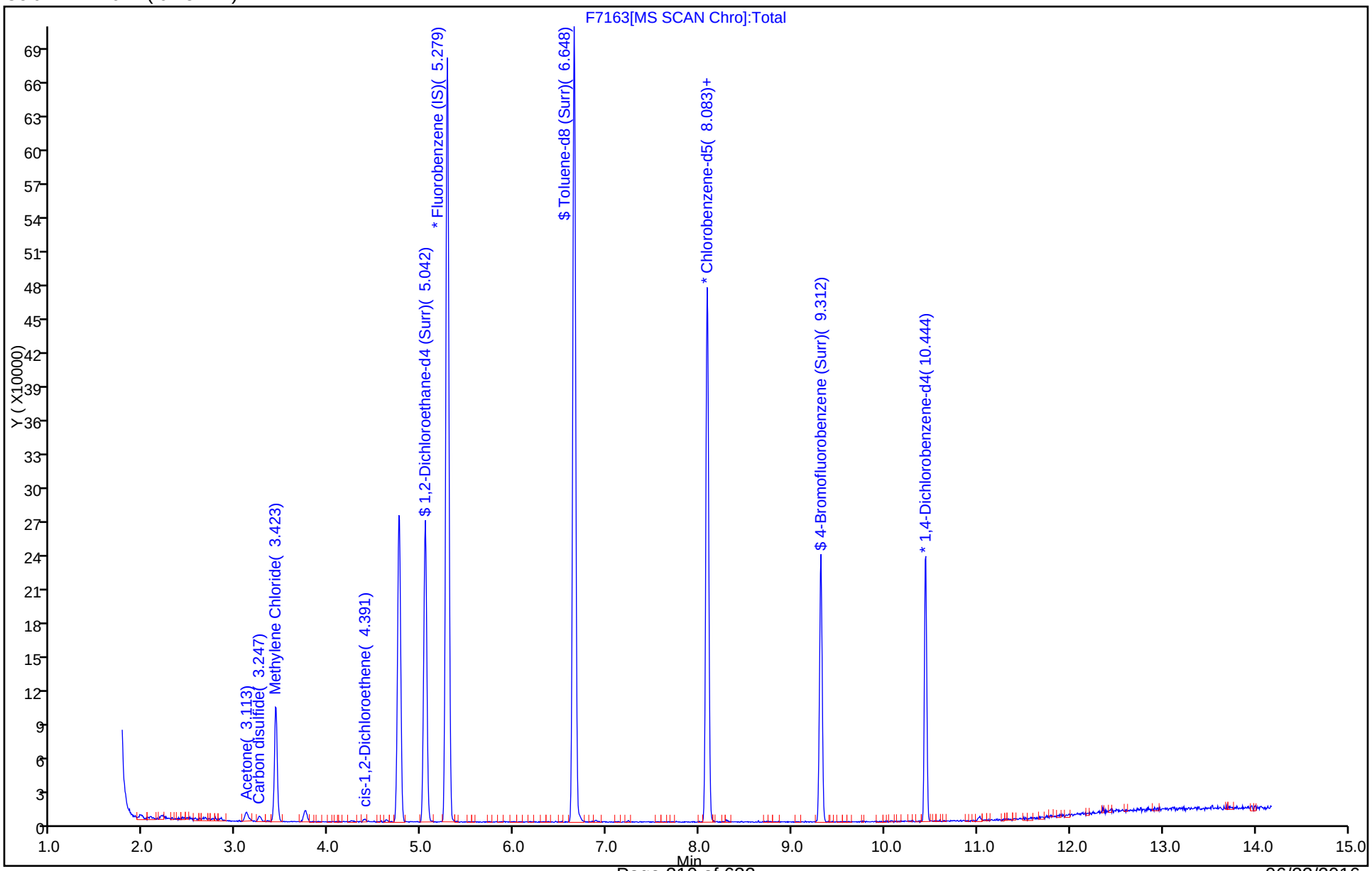
Report Date: 13-Jun-2016 18:20:28 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7163.D

Injection Date:	13-Jun-2016 17:42:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101358-A-10-D	Lab Sample ID:	480-101358-10	Worklist Smp#:	19
Client ID:	B107-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7163.D
Lims ID: 480-101358-A-10-D
Client ID: B107-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 17:42:30 ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-10-D
Misc. Info.: 480-0053989-019
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 15:53:48 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 18:20:26

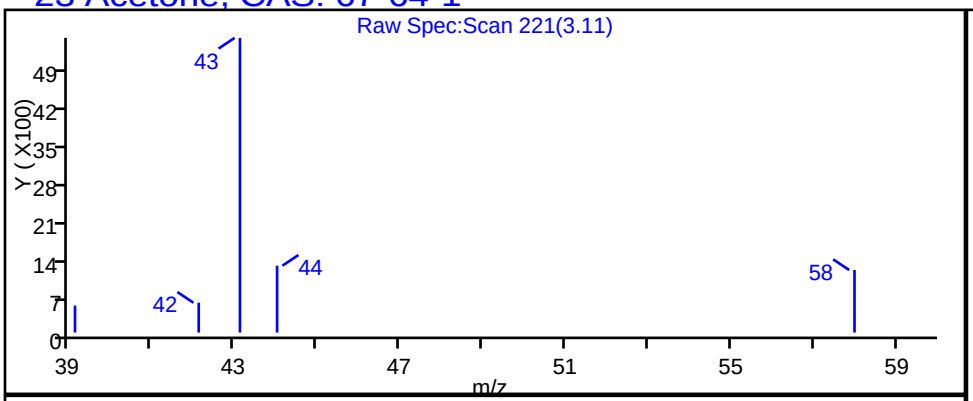
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.4	104.75
$ 5 Toluene-d8 (Surr)	50.0	67.2	134.32
$ 6 4-Bromofluorobenzene (Surr)	50.0	28.1	56.13

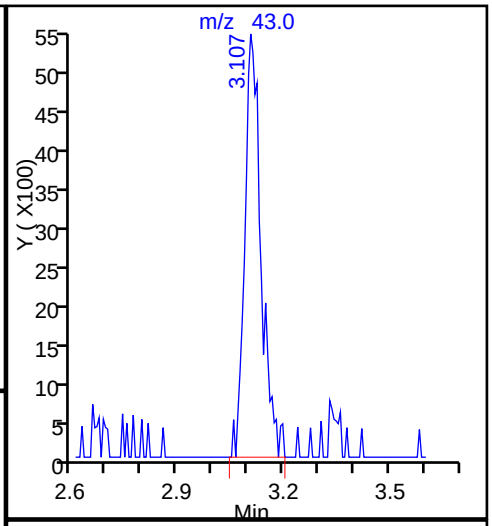
TestAmerica Buffalo

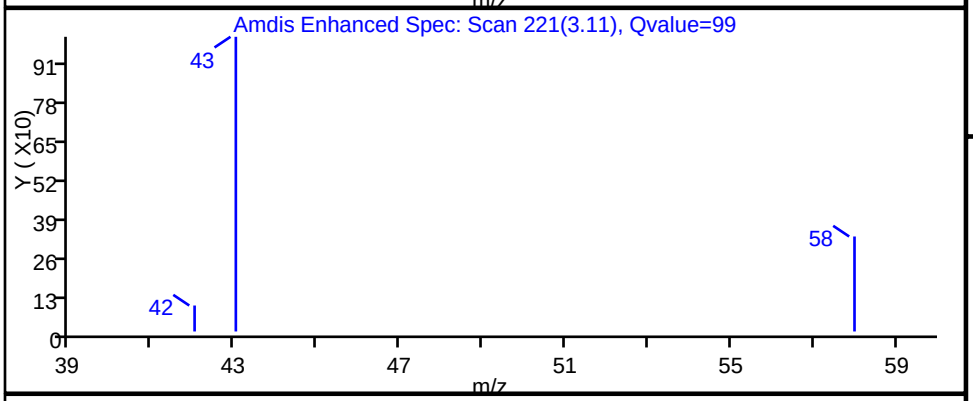
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7163.D

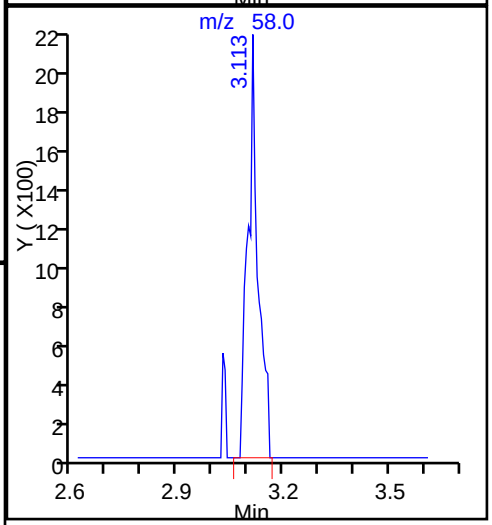
Injection Date:	13-Jun-2016 17:42:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-10-D	Lab Sample ID:	480-101358-10		
Client ID:	B107-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	11	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

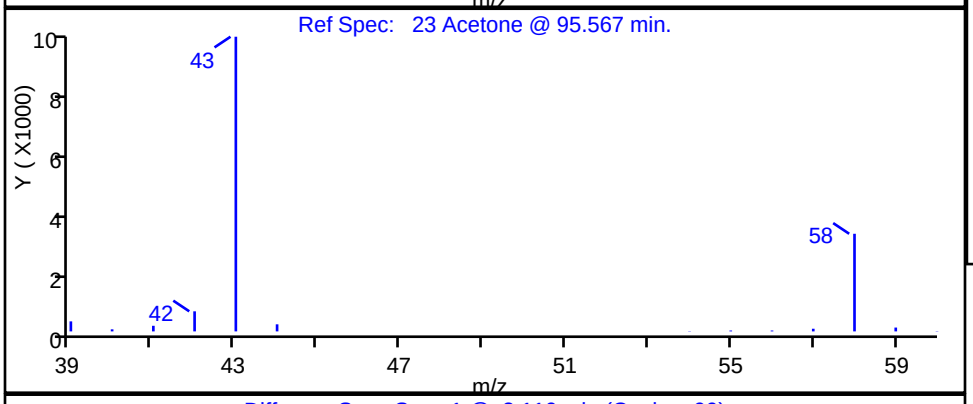
23 Acetone, CAS: 67-64-1

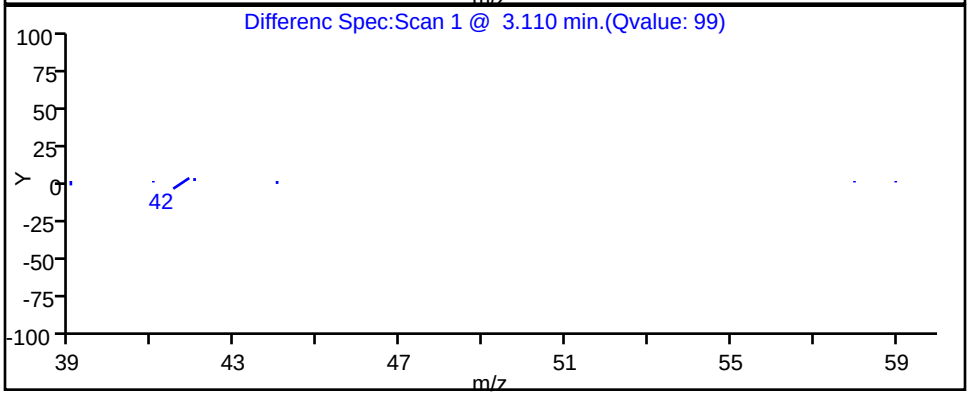






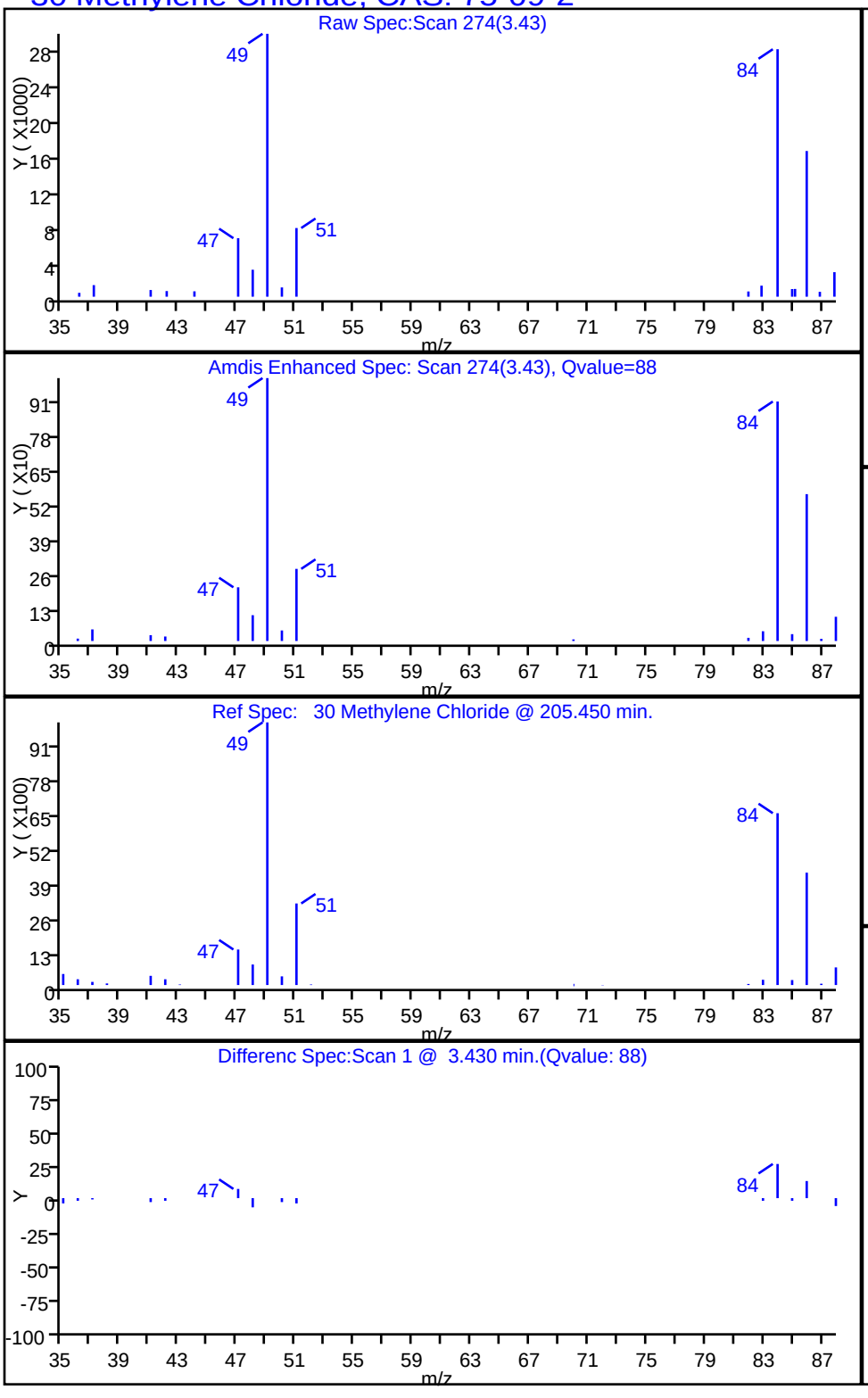


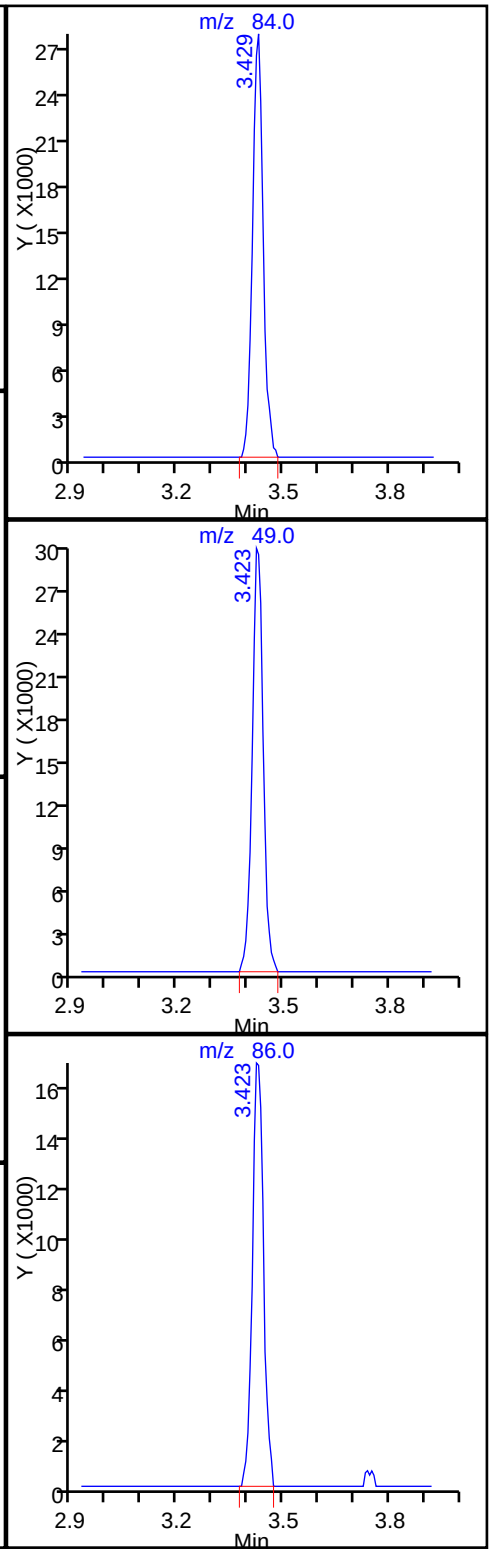




Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7163.D
Injection Date: 13-Jun-2016 17:42:30 Instrument ID: HP5973F
Lims ID: 480-101358-A-10-D Lab Sample ID: 480-101358-10
Client ID: B107-AREA2-S2
Operator ID: CDC ALS Bottle#: 11 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2





FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B-POLEBARN-DUP6 | Lab Sample ID: 480-101358-11

Matrix: Solid | Lab File ID: F7182.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:10

Sample wt/vol: 5.02(g) | Date Analyzed: 06/14/2016 02:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.71
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.70
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.42
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.76
78-93-3	2-Butanone (MEK)	ND		27	2.0
591-78-6	2-Hexanone	ND		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.53
108-90-7	Chlorobenzene	ND		5.4	0.72
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.34
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	ND		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B-POLEBARN-DUP6 | Lab Sample ID: 480-101358-11

Matrix: Solid | Lab File ID: F7182.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:10

Sample wt/vol: 5.02(g) | Date Analyzed: 06/14/2016 02:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 8.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	5.4		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.73
108-88-3	Toluene	ND		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	ND		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		64-126
460-00-4	4-Bromofluorobenzene (Surr)	94		72-126
2037-26-5	Toluene-d8 (Surr)	97		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7182.D
Lims ID: 480-101358-A-11-B
Client ID: B-POLEBARN-DUP6
Sample Type: Client
Inject. Date: 14-Jun-2016 02:21:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-11-B
Misc. Info.: 480-0054007-010
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:53:06 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:53:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	179997	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	367936	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	282572	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	143325	55.1	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	769369	48.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	85	240599	47.0	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.115				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.462				ND	
17 Trichlorofluoromethane	101		2.645				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.119	3.101	0.018	96	7176	0.4327	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.429	3.429	0.000	84	44545	4.98	
32 Methyl tert-butyl ether	73		3.569				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.934				ND	
43 2-Butanone (MEK)	43		4.378				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.723				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.802				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.416				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.933				ND	
79 1,1,2-Trichloroethane	83		7.134				ND	
81 Tetrachloroethene	166	7.238	7.232	0.006	92	3680	0.6661	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.664				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.483				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.815				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

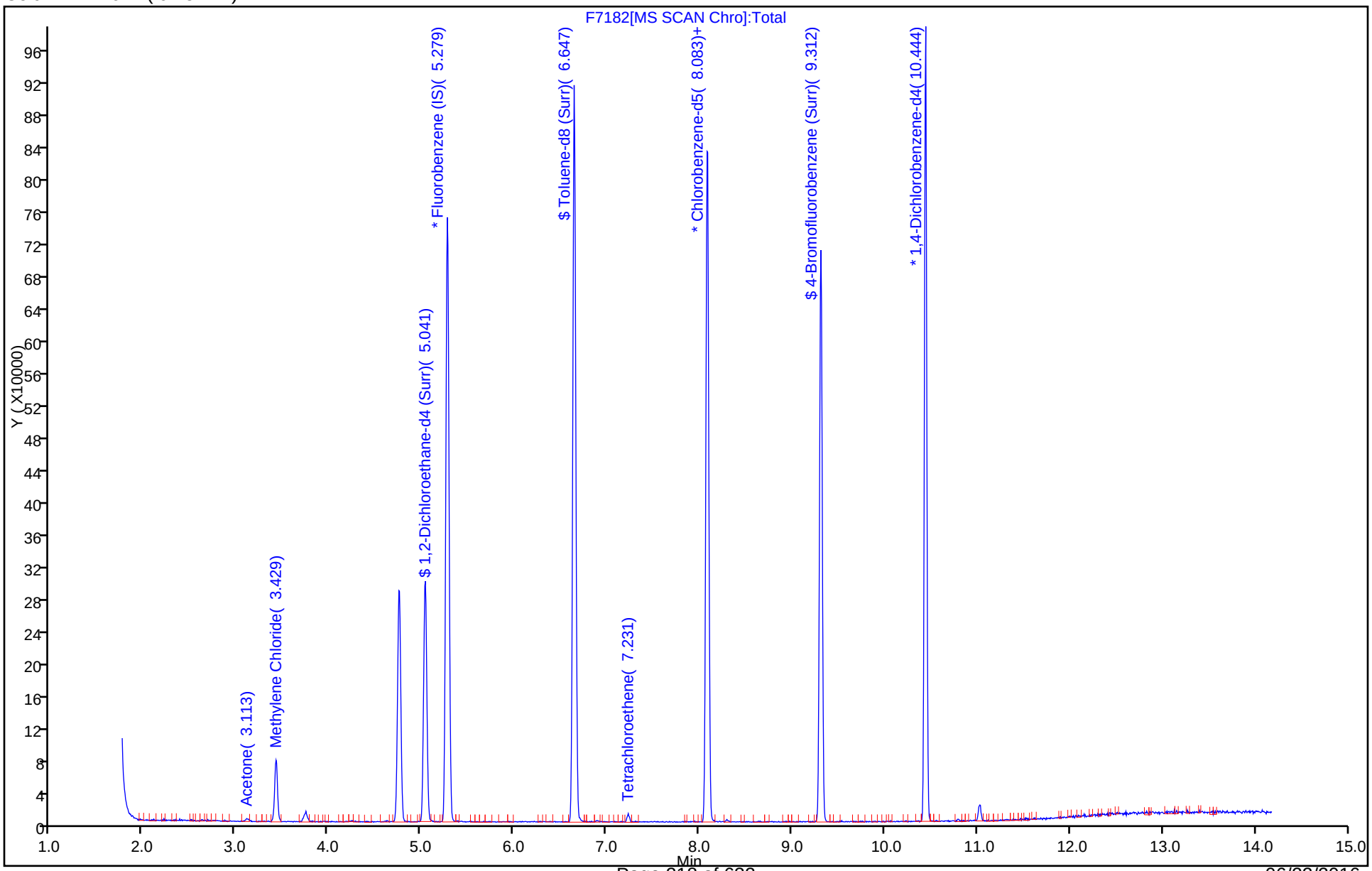
Report Date: 14-Jun-2016 09:53:06 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7182.D

Injection Date:	14-Jun-2016 02:21:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101358-A-11-B	Lab Sample ID:	480-101358-11	Worklist Smp#:	10
Client ID:	B-POLEBARN-DUP6				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7182.D				
Lims ID:	480-101358-A-11-B				
Client ID:	B-POLEBARN-DUP6				
Sample Type:	Client				
Inject. Date:	14-Jun-2016 02:21:30	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101358-A-11-B				
Misc. Info.:	480-0054007-010				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 09:53:06	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				

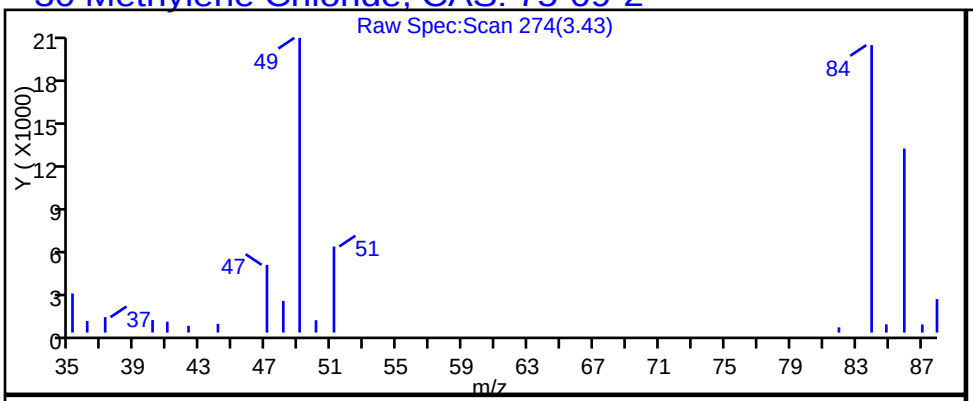
First Level Reviewer: cwiklinc Date: 14-Jun-2016 09:53:05

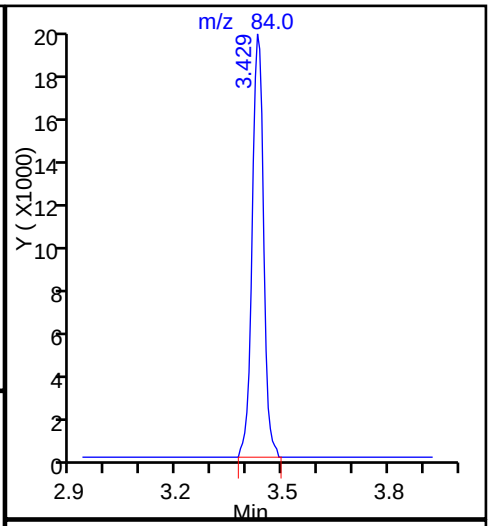
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	55.1	110.25
$ 5 Toluene-d8 (Surr)	50.0	48.4	96.73
$ 6 4-Bromofluorobenzene (Surr)	50.0	47.0	93.99

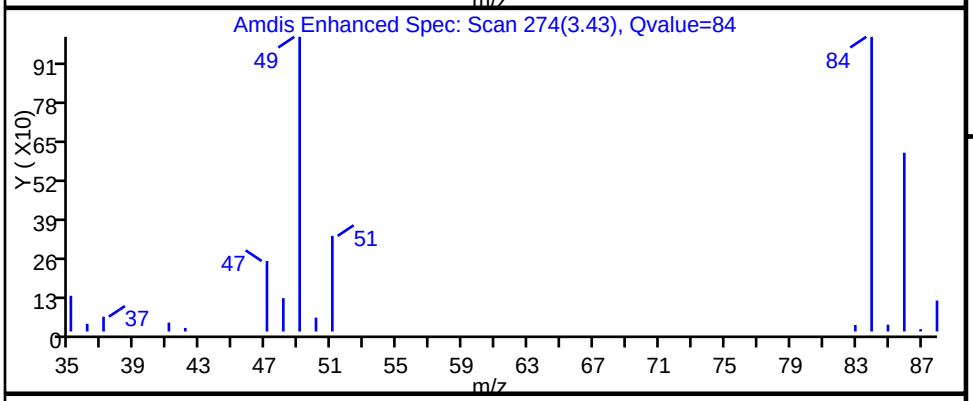
TestAmerica Buffalo

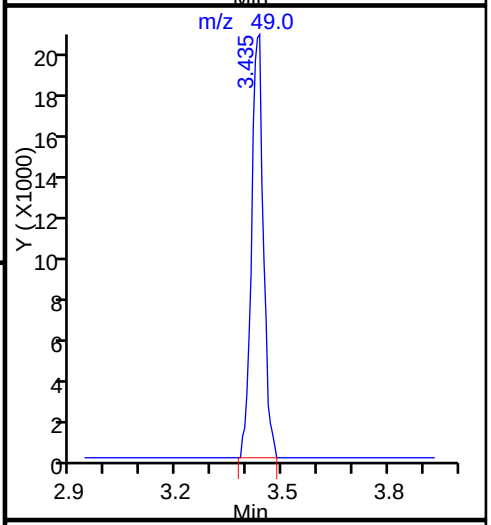
Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7182.D				
Injection Date:	14-Jun-2016 02:21:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-11-B	Lab Sample ID:	480-101358-11		
Client ID:	B-POLEBARN-DUP6				
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

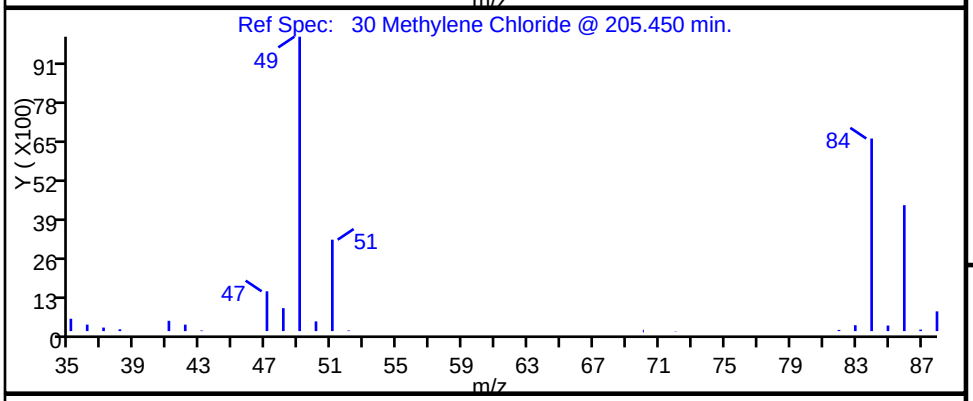
30 Methylene Chloride, CAS: 75-09-2

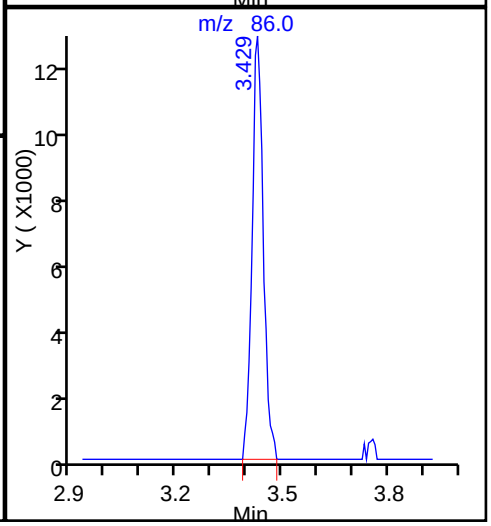


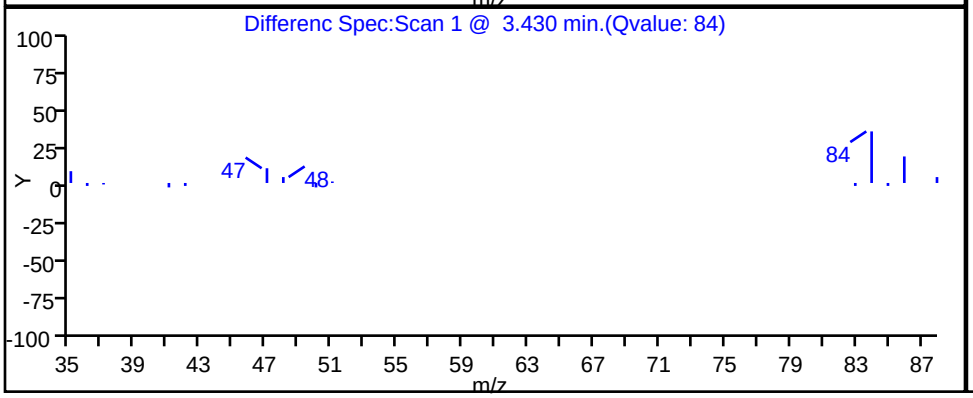












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S1 | Lab Sample ID: 480-101358-12

Matrix: Solid | Lab File ID: F7167.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:30

Sample wt/vol: 5.05(g) | Date Analyzed: 06/13/2016 19:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.2 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1	5.5	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.2
79-00-5	1,1,2-Trichloroethane	ND	F1	5.5	0.71
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND	F1 F2	5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND	F1	5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND	F1	5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.27
78-87-5	1,2-Dichloropropane	ND	F1	5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND	F2 F1	5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND	F2 F1	5.5	0.76
78-93-3	2-Butanone (MEK)	ND	F1	27	2.0
591-78-6	2-Hexanone	ND	F1	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND	F1	5.5	0.27
75-27-4	Bromodichloromethane	ND	F1	5.5	0.73
75-25-2	Bromoform	ND	F1	5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND	F1	5.5	0.72
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	ND	F1	5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND	F1	5.5	0.79
110-82-7	Cyclohexane	ND	F1	5.5	0.76
124-48-1	Dibromochloromethane	ND	F1	5.5	0.70
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND	F1	5.5	0.38
98-82-8	Isopropylbenzene	ND	F1 F2	5.5	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S1 | Lab Sample ID: 480-101358-12

Matrix: Solid | Lab File ID: F7167.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:30

Sample wt/vol: 5.05(g) | Date Analyzed: 06/13/2016 19:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.2 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	3.3
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND	F1	5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND	F1	5.5	0.27
127-18-4	Tetrachloroethene	ND	F2 F1	5.5	0.73
108-88-3	Toluene	ND	F1	5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND	F1	5.5	0.56
10061-02-6	trans-1,3-Dichloropropene	ND	F1	5.5	2.4
79-01-6	Trichloroethene	ND	F1	5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	ND	F1	11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
2037-26-5	Toluene-d8 (Surr)	97		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7167.D
Lims ID: 480-101358-A-12-B
Client ID: B108-AREA2-S1
Sample Type: Client
Inject. Date: 13-Jun-2016 19:25:30 ALS Bottle#: 15 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-12-B
Misc. Info.: 480-0053989-023
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 18:29:17 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 20:41:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	185021	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	374606	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	313080	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	142693	53.4	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	787612	48.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	247969	47.6	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.121				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.456				ND	
17 Trichlorofluoromethane	101		2.669				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.125	3.101	0.024	98	7742	0.6797	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.435	3.429	0.006	86	28882	1.67	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.796				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.940				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.482				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 IS_00455	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added: 1.00	Units: uL	Run Reagent

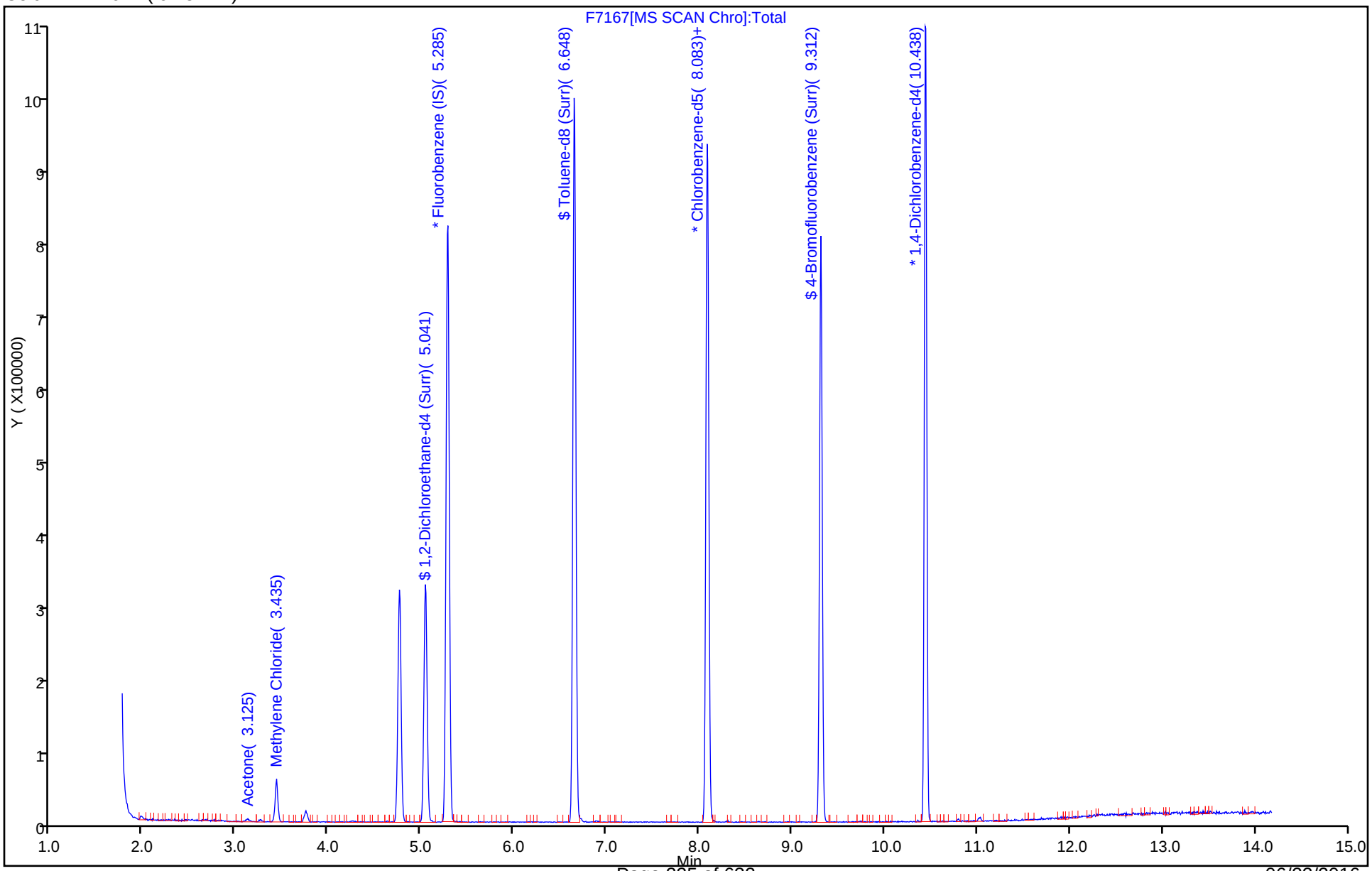
Report Date: 13-Jun-2016 20:41:15 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7167.D

Injection Date:	13-Jun-2016 19:25:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101358-A-12-B	Lab Sample ID:	480-101358-12	Worklist Smp#:	23
Client ID:	B108-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7167.D
Lims ID: 480-101358-A-12-B
Client ID: B108-AREA2-S1
Sample Type: Client
Inject. Date: 13-Jun-2016 19:25:30 ALS Bottle#: 15 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-12-B
Misc. Info.: 480-0053989-023
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 18:29:17 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 20:41:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	53.4	106.79
$ 5 Toluene-d8 (Surr)	50.0	48.6	97.26
$ 6 4-Bromofluorobenzene (Surr)	50.0	47.6	95.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S2 | Lab Sample ID: 480-101358-13

Matrix: Solid | Lab File ID: F7168.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:45

Sample wt/vol: 5.02(g) | Date Analyzed: 06/13/2016 19:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 17.1 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.0	0.97
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	1.4
79-00-5	1,1,2-Trichloroethane	ND		6.0	0.78
75-34-3	1,1-Dichloroethane	ND		6.0	0.73
75-35-4	1,1-Dichloroethene	ND		6.0	0.74
120-82-1	1,2,4-Trichlorobenzene	ND		6.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.0	3.0
106-93-4	1,2-Dibromoethane	ND		6.0	0.77
95-50-1	1,2-Dichlorobenzene	ND		6.0	0.47
107-06-2	1,2-Dichloroethane	ND		6.0	0.30
78-87-5	1,2-Dichloropropane	ND		6.0	3.0
541-73-1	1,3-Dichlorobenzene	ND		6.0	0.31
106-46-7	1,4-Dichlorobenzene	ND		6.0	0.84
78-93-3	2-Butanone (MEK)	ND		30	2.2
591-78-6	2-Hexanone	ND		30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		30	2.0
67-64-1	Acetone	13	J	30	5.1
71-43-2	Benzene	ND		6.0	0.29
75-27-4	Bromodichloromethane	ND		6.0	0.81
75-25-2	Bromoform	ND		6.0	3.0
74-83-9	Bromomethane	ND		6.0	0.54
75-15-0	Carbon disulfide	ND		6.0	3.0
56-23-5	Carbon tetrachloride	ND		6.0	0.58
108-90-7	Chlorobenzene	ND		6.0	0.79
75-00-3	Chloroethane	ND		6.0	1.4
67-66-3	Chloroform	ND		6.0	0.37
74-87-3	Chloromethane	ND		6.0	0.36
156-59-2	cis-1,2-Dichloroethene	ND		6.0	0.77
10061-01-5	cis-1,3-Dichloropropene	ND		6.0	0.87
110-82-7	Cyclohexane	ND		6.0	0.84
124-48-1	Dibromochloromethane	ND		6.0	0.77
75-71-8	Dichlorodifluoromethane	ND		6.0	0.50
100-41-4	Ethylbenzene	ND		6.0	0.41
98-82-8	Isopropylbenzene	ND		6.0	0.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S2 | Lab Sample ID: 480-101358-13

Matrix: Solid | Lab File ID: F7168.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:45

Sample wt/vol: 5.02(g) | Date Analyzed: 06/13/2016 19:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 17.1 | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.0	3.6
1634-04-4	Methyl tert-butyl ether	ND		6.0	0.59
108-87-2	Methylcyclohexane	ND		6.0	0.91
75-09-2	Methylene Chloride	10		6.0	2.8
100-42-5	Styrene	ND		6.0	0.30
127-18-4	Tetrachloroethene	ND		6.0	0.81
108-88-3	Toluene	ND		6.0	0.45
156-60-5	trans-1,2-Dichloroethene	ND		6.0	0.62
10061-02-6	trans-1,3-Dichloropropene	ND		6.0	2.6
79-01-6	Trichloroethene	ND		6.0	1.3
75-69-4	Trichlorofluoromethane	ND		6.0	0.57
75-01-4	Vinyl chloride	ND		6.0	0.73
1330-20-7	Xylenes, Total	ND		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	95		72-126
2037-26-5	Toluene-d8 (Surr)	102		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7168.D
Lims ID: 480-101358-A-13-A
Client ID: B108-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 19:50:30 ALS Bottle#: 16 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-13-A
Misc. Info.: 480-0053989-024
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 20:41:43 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 20:41:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	168275	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	331099	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	264524	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	131388	54.1	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	94	731452	51.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	218392	47.4	
10 Dichlorodifluoromethane	85		1.848				ND	
12 Chloromethane	50		2.012				ND	
13 Vinyl chloride	62		2.121				ND	
14 Bromomethane	94		2.395				ND	
15 Chloroethane	64		2.456				ND	
17 Trichlorofluoromethane	101		2.669				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022				ND	
22 1,1-Dichloroethene	96		3.046				ND	
23 Acetone	43	3.107	3.101	0.006	99	20800	10.9	
26 Carbon disulfide	76		3.253				ND	
27 Methyl acetate	43		3.314				ND	
30 Methylene Chloride	84	3.423	3.429	-0.006	89	58383	8.60	
32 Methyl tert-butyl ether	73		3.575				ND	
34 trans-1,2-Dichloroethene	96		3.612				ND	
39 1,1-Dichloroethane	63		3.940				ND	
43 2-Butanone (MEK)	43		4.372				ND	
45 cis-1,2-Dichloroethene	96		4.384				ND	
50 Chloroform	83		4.622				ND	
51 1,1,1-Trichloroethane	97		4.768				ND	
52 Cyclohexane	56		4.792				ND	
55 Carbon tetrachloride	117		4.889				ND	
57 Benzene	78		5.066				ND	
58 1,2-Dichloroethane	62		5.102				ND	
62 Trichloroethene	95		5.583				ND	
64 Methylcyclohexane	83		5.717				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63		5.796				ND	
68 Dichlorobromomethane	83		6.039				ND	
72 cis-1,3-Dichloropropene	75		6.422				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520				ND	
74 Toluene	92		6.714				ND	
77 trans-1,3-Dichloropropene	75		6.940				ND	
79 1,1,2-Trichloroethane	83		7.128				ND	
81 Tetrachloroethene	166		7.232				ND	
80 2-Hexanone	43		7.311				ND	
83 Chlorodibromomethane	129		7.536				ND	
84 Ethylene Dibromide	107		7.663				ND	
87 Chlorobenzene	112		8.114				ND	
88 Ethylbenzene	91		8.181				ND	
90 m-Xylene & p-Xylene	106		8.296				ND	
91 o-Xylene	106		8.728				ND	
92 Styrene	104		8.746				ND	
95 Bromoform	173		9.020				ND	
94 Isopropylbenzene	105		9.093				ND	
97 1,1,2,2-Tetrachloroethane	83		9.482				ND	
111 1,3-Dichlorobenzene	146		10.383				ND	
113 1,4-Dichlorobenzene	146		10.462				ND	
116 1,2-Dichlorobenzene	146		10.809				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496				ND	
119 1,2,4-Trichlorobenzene	180		12.129				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

F 8260 IS_00455	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added: 1.00	Units: uL	Run Reagent

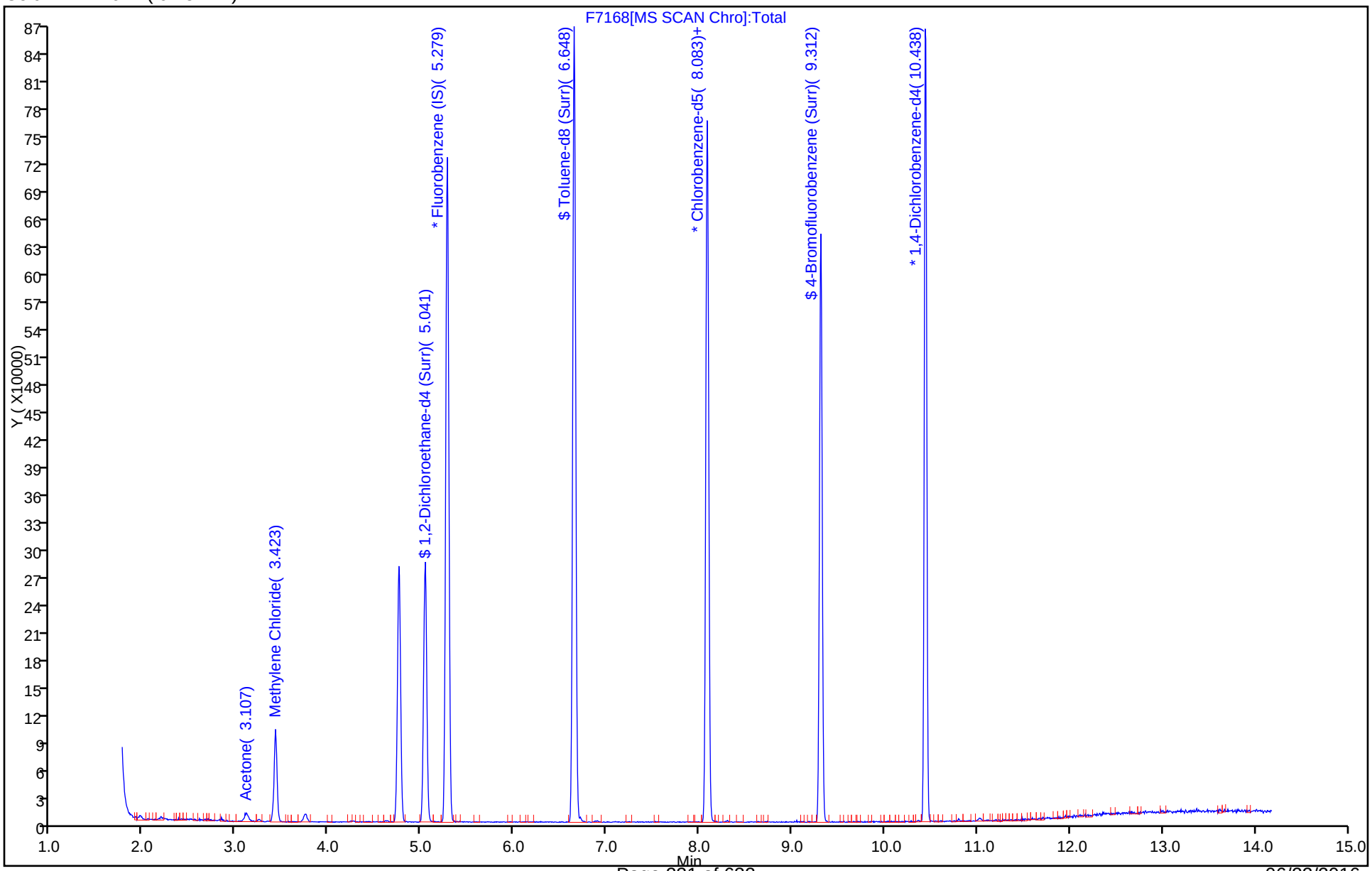
Report Date: 13-Jun-2016 20:41:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7168.D

Injection Date:	13-Jun-2016 19:50:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	480-101358-A-13-A	Lab Sample ID:	480-101358-13	Worklist Smp#:	24
Client ID:	B108-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7168.D
Lims ID: 480-101358-A-13-A
Client ID: B108-AREA2-S2
Sample Type: Client
Inject. Date: 13-Jun-2016 19:50:30 ALS Bottle#: 16 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-13-A
Misc. Info.: 480-0053989-024
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 20:41:43 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 20:41:43

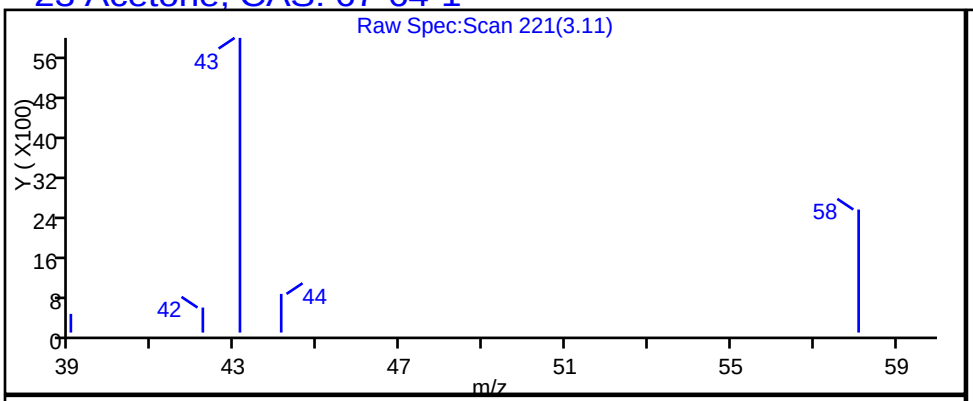
Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	0.0	0	0.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	54.1	108.11
$ 5 Toluene-d8 (Surr)	50.0	51.1	102.20
$ 6 4-Bromofluorobenzene (Surr)	50.0	47.4	94.81

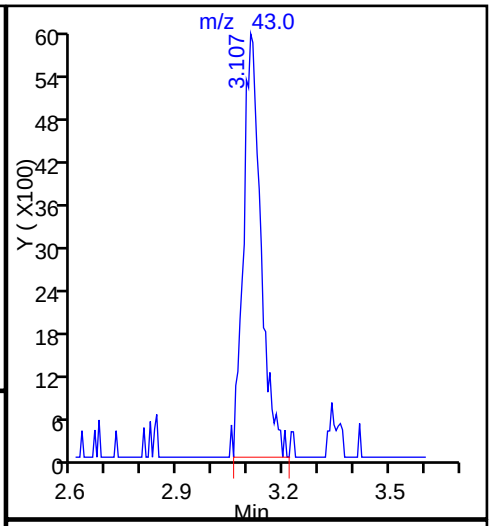
TestAmerica Buffalo

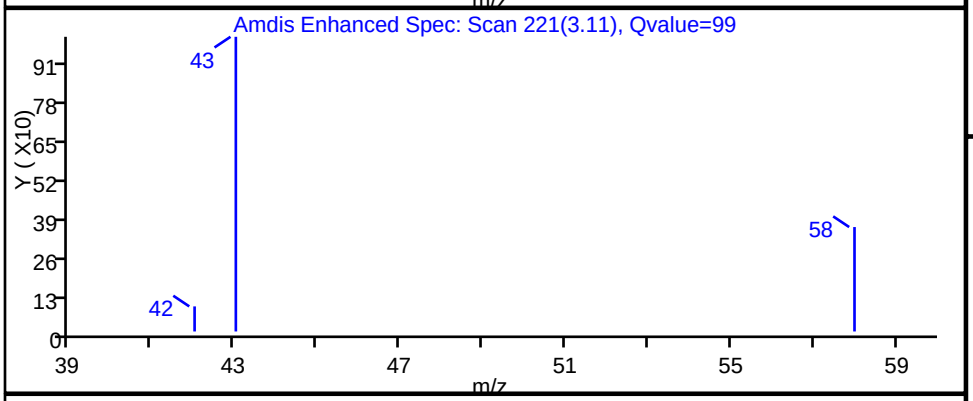
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7168.D

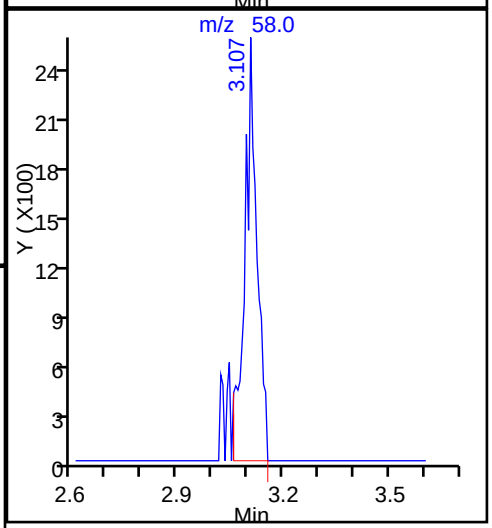
Injection Date:	13-Jun-2016 19:50:30	Instrument ID:	HP5973F		
Lims ID:	480-101358-A-13-A	Lab Sample ID:	480-101358-13		
Client ID:	B108-AREA2-S2				
Operator ID:	CDC	ALS Bottle#:	16	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

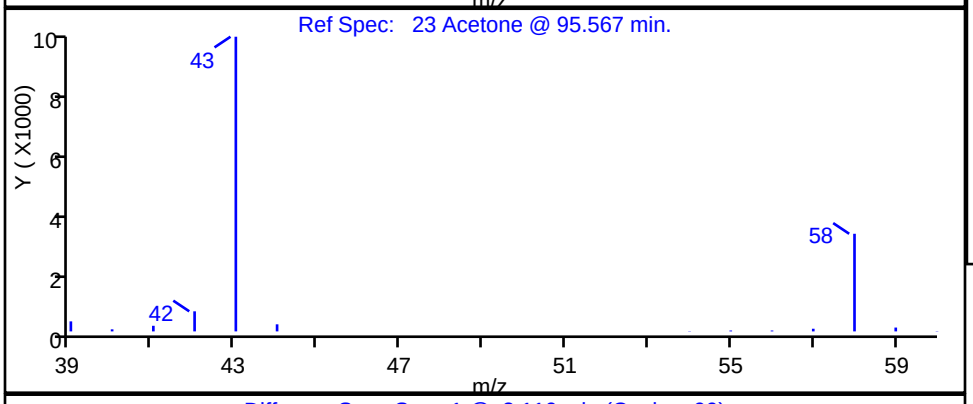
23 Acetone, CAS: 67-64-1

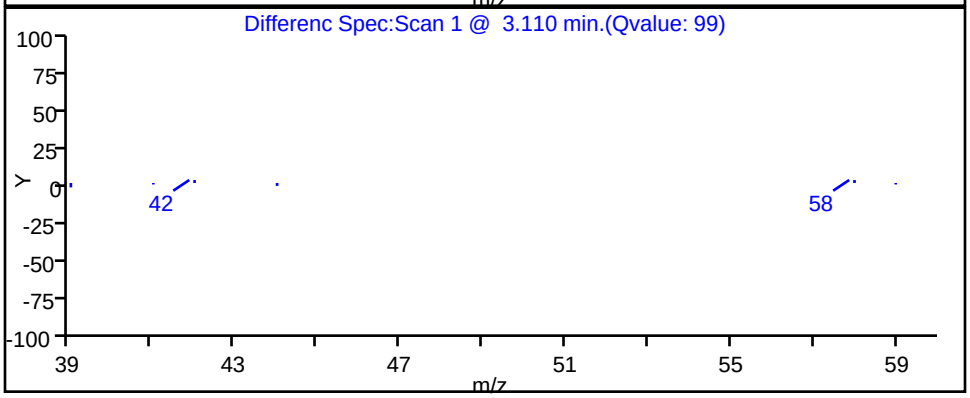










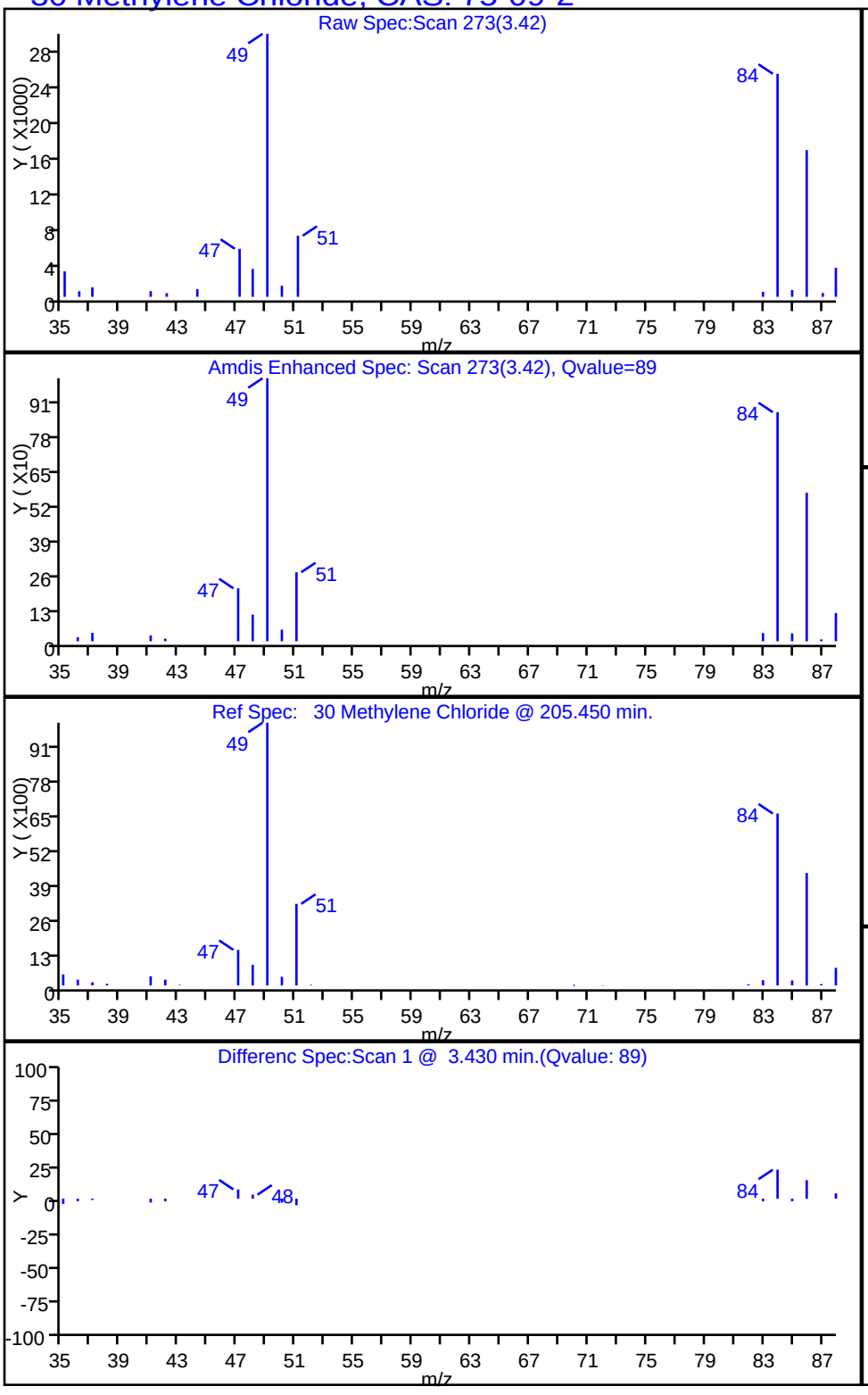


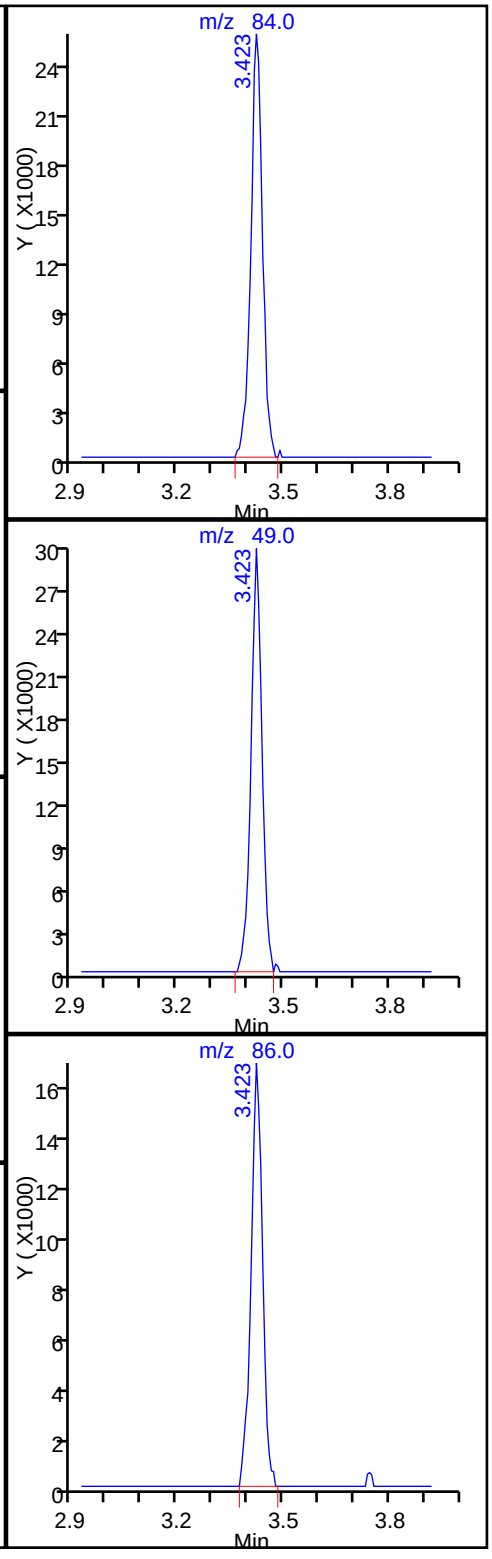
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7168.D

Injection Date:	13-Jun-2016 19:50:30	Instrument ID:	HP5973F
Lims ID:	480-101358-A-13-A	Lab Sample ID:	480-101358-13
Client ID:	B108-AREA2-S2		
Operator ID:	CDC	ALS Bottle#:	16 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

30 Methylene Chloride, CAS: 75-09-2





FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-303600/5	C4217.D
Level 2	IC 480-303600/6	C4218.D
Level 3	IC 480-303600/7	C4219.D
Level 4	IC 480-303600/8	C4220.D
Level 5	IC 480-303600/9	C4221.D
Level 6	ICIS 480-303600/10	C4222.D
Level 7	IC 480-303600/11	C4223.D
Level 8	IC 480-303600/12	C4224.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.3092 2.7390	2.8164 2.6583	2.8097 2.6598	2.7725	2.6585	Ave		2.6779			0.1000	6.1		20.0			
Chloromethane	4.4392 3.5255	4.0743 3.4581	3.9540 3.3335	3.8579	3.5519	Ave		3.7743			0.1000	9.9		20.0			
Vinyl chloride	2.8565 2.9018	3.4040 2.8323	3.2216 2.7884	3.0871	2.9386	Ave		3.0038			0.1000	7.2		20.0			
Butadiene	3.0309 2.9455	3.3248 2.8609	3.2912 2.8079	3.1537	2.9042	Ave		3.0399				6.5		20.0			
Bromomethane	1.9277 1.8082	2.0390 1.8183	2.0862 1.7641	1.9523	1.8608	Ave		1.9070			0.1000	6.0		20.0			
Chloroethane	1.6689 1.6578	1.8295 1.6290	1.7778 1.5820	1.8414	1.6857	Ave		1.7090			0.1000	5.6		20.0			
Dichlorofluoromethane	4.3707 4.2430	4.7272 4.1623	4.8377 4.0462	4.5269	4.2950	Ave		4.4011				6.3		20.0			
Trichlorofluoromethane	3.6171 3.8276	3.8906 3.7018	4.0190 3.6403	3.9141	3.8206	Ave		3.8039			0.1000	3.7		20.0			
Ethyl ether	1.7587 1.9541	2.0094 2.0505	2.0244 2.0129	1.9554	1.9262	Ave		1.9615				4.7		20.0			
Acrolein	+++++ 0.3359	0.2874 0.3394	0.3003 0.3420	0.2965	0.3232	Ave		0.3178				7.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0147 2.0831	2.3440 1.9961	2.0621 1.9873	2.1671	2.0475	Ave		2.0877			0.1000	5.7		20.0			
1,1-Dichloroethene	1.7160 1.8968	2.1456 1.8600	2.0656 1.8387	1.9698	1.8968	Ave		1.9237			0.1000	7.0		20.0			
Acetone	0.8196 0.7672	0.8307 0.7537	0.8188 0.7301	0.7638	0.7552	Ave		0.7799			0.1000	4.8		20.0			
Iodomethane	3.4829 3.5538	3.9629 3.6106	3.9722 3.5138	3.7626	3.6255	Ave		3.6856				5.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	7.7991 6.6580	7.9734 6.4066	7.2034 6.4185	7.0703	6.6460	Ave		7.0219			0.1000	8.6		20.0			
Methyl acetate	1.8313 1.8271	1.8578 1.8269	1.7918 1.7666	1.7501	1.8178	Ave		1.8087			0.1000	2.0		20.0			
Allyl chloride	3.8468 3.6039	4.0057 3.6358	3.7831 3.5252	3.6923	3.5963	Ave		3.7111				4.3		20.0			
Methylene Chloride	+++++ 2.2078	4.0169 2.1607	2.9503 2.0693	2.5892	2.3152	Lin1	1.9893	2.0842			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.2542 0.2423	0.2631 0.2496	0.2484 0.2544	0.2318	0.2352	Ave		0.2474				4.2		20.0			
Methyl tert-butyl ether	5.4566 5.6742	5.7898 5.7932	5.3825 5.7378	5.3711	5.5639	Ave		5.5961			0.1000	3.2		20.0			
trans-1,2-Dichloroethene	2.1045 2.0978	2.4429 2.0812	2.2812 2.0054	2.2357	2.1264	Ave		2.1719			0.1000	6.5		20.0			
Acrylonitrile	0.8257 0.9076	0.9119 0.9063	0.8471 0.8845	0.8914	0.9008	Ave		0.8844				3.6		20.0			
Hexane	3.1720 3.0436	3.3044 3.0174	2.9085 3.0199	3.0242	2.9781	Ave		3.0585				4.0		20.0			
Vinyl acetate	3.7008 4.6638	3.9263 4.9076	3.9266 4.9333	4.0912	4.3577	Ave		4.3134				11.0		20.0			
1,1-Dichloroethane	4.5377 4.0649	4.7495 4.0382	4.5146 3.9418	4.3326	4.2298	Ave		4.3011			0.2000	6.6		20.0			
2-Butanone (MEK)	1.0883 1.1172	1.1437 1.1260	1.0906 1.1294	1.0402	1.0822	Ave		1.1022			0.1000	3.0		20.0			
2,2-Dichloropropane	3.2179 2.5956	3.0112 2.6187	2.8969 2.5230	2.8299	2.7096	Ave		2.8004				8.4		20.0			
cis-1,2-Dichloroethene	2.8011 2.2964	2.4424 2.3057	2.3686 2.2470	2.3083	2.3543	Ave		2.3905			0.1000	7.4		20.0			
Chlorobromomethane	1.3177 1.2047	1.4090 1.2134	1.2813 1.1821	1.2651	1.2443	Ave		1.2647				5.8		20.0			
Chloroform	4.6004 3.7534	4.3600 3.7533	4.0687 3.6201	4.0566	3.8687	Ave		4.0102			0.2000	8.3		20.0			
Tetrahydrofuran	0.7598 0.7048	0.6877 0.7307	0.7222 0.7181	0.6816	0.6905	Ave		0.7119				3.7		20.0			
1,1,1-Trichloroethane	3.3340 3.1653	3.6484 3.1920	3.5737 3.1110	3.4148	3.3360	Ave		3.3469			0.1000	5.8		20.0			
Cyclohexane	3.1568 4.1667	4.0248 4.1598	3.8808 4.1809	4.0481	3.9401	Ave		3.9448			0.1000	8.5		20.0			
Isobutyl alcohol	0.1079 0.1245	0.1391 0.1248	0.1264 0.1316	0.1225	0.1157	Ave		0.1241				7.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	2.3970 2.7584	2.8100 2.7070	2.7530 2.6600	2.8376	2.7804	Ave		2.7129				5.1		20.0			
Carbon tetrachloride	2.7182 3.0226	3.4676 2.9935	3.2264 2.9570	3.1615	3.1100	Ave		3.0821			0.1000	7.1		20.0			
Benzene	8.4764 8.0348	9.1545 8.0004	8.8146 7.7751	8.6117	8.3991	Ave		8.4083			0.5000	5.5		20.0			
n-Heptane	3.3759 2.9404	3.4712 2.9810	3.0755 3.0047	2.9688	3.0027	Ave		3.1025				6.6		20.0			
1,2-Dichloroethane	3.7746 3.2415	3.7310 3.2204	3.5548 3.1207	3.5324	3.3947	Ave		3.4463			0.1000	7.0		20.0			
Trichloroethene	2.2555 2.1267	2.3944 2.1238	2.3593 2.1184	2.2235	2.1577	Ave		2.2199			0.2000	4.9		20.0			
Methylcyclohexane	2.2120 3.0111	2.8075 3.0601	2.6717 3.1076	2.8433	2.8879	Ave		2.8251			0.1000	10.1		20.0			
1,2-Dichloropropane	2.0930 2.2431	2.4890 2.2505	2.2841 2.2289	2.3091	2.3396	Ave		2.2797			0.1000	4.9		20.0			
1,4-Dioxane	+++++ 0.0095	+++++ 0.0088	0.0058 0.0093	0.0083	0.0087	Lin1	-0.124	0.0093							0.9990		0.9900
Dibromomethane	1.4986 1.3920	1.4689 1.3993	1.4543 1.3743	1.4285	1.4330	Ave		1.4311			0.1000	2.9		20.0			
Bromodichloromethane	2.7970 2.8209	2.9444 2.8649	2.9347 2.8606	2.8626	2.8466	Ave		2.8665			0.2000	1.8		20.0			
2-Chloroethyl vinyl ether	+++++ 1.2313	0.9570 1.3359	0.9723 1.3777	1.0557	1.1379	Ave		1.1525				14.6		20.0			
cis-1,3-Dichloropropene	2.7256 3.1806	2.9059 3.3401	2.8916 3.3433	2.9690	3.1419	Ave		3.0622			0.2000	7.3		20.0			
4-Methyl-2-pentanone (MIBK)	0.9567 1.1720	0.9826 1.1616	1.0224 1.1606	1.0250	1.1148	Ave		1.0745			0.1000	8.1		20.0			
Toluene	2.2841 2.5246	2.6117 2.4383	2.5586 2.4470	2.5884	2.5344	Ave		2.4984			0.4000	4.2		20.0			
Ethyl methacrylate	+++++ 1.1106	0.7777 1.1538	0.8945 1.2416	0.8963	1.0202	Ave		1.0135				16.3		20.0			
trans-1,3-Dichloropropene	1.2950 1.4696	1.3250 1.4766	1.2988 1.5045	1.3820	1.4435	Ave		1.3994			0.1000	6.1		20.0			
1,1,2-Trichloroethane	0.7874 0.7756	0.7933 0.7510	0.8215 0.7507	0.7685	0.7872	Ave		0.7794			0.1000	3.0		20.0			
2-Hexanone	0.5950 0.8143	0.6597 0.8216	0.6741 0.8407	0.6882	0.7512	Ave		0.7306			0.1000	12.3		20.0			
Tetrachloroethene	1.3877 1.2169	1.3173 1.1531	1.2806 1.1415	1.2628	1.2249	Ave		1.2481			0.2000	6.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.5734 1.5708	1.6229 1.5203	1.6046 1.5076	1.6038	1.5853	Ave		1.5736				2.6		20.0			
Dibromochloromethane	0.9937 1.1251	1.0177 1.1241	1.1152 1.1547	1.0840	1.0853	Ave		1.0875			0.1000	5.1		20.0			
1,2-Dibromoethane	0.9421 0.9788	0.9656 0.9640	0.9474 0.9770	0.9482	0.9610	Ave		0.9605				1.4		20.0			
Chlorobenzene	3.0156 2.8804	3.1518 2.7861	3.0050 2.7784	2.9686	2.9051	Ave		2.9364			0.5000	4.3		20.0			
Ethylbenzene	4.6279 4.7238	4.6198 4.6711	4.4654 4.6967	4.5536	4.5875	Ave		4.6182			0.1000	1.8		20.0			
1,1,1,2-Tetrachloroethane	1.0741 1.0924	1.0934 1.0896	1.1982 1.0832	1.1054	1.1184	Ave		1.1068				3.5		20.0			
m,p-Xylene	1.5947 1.8658	1.6210 1.8601	1.7061 1.8591	1.7694	1.7922	Ave		1.7585			0.1000	6.1		20.0			
o-Xylene	1.3935 1.8519	1.5895 1.8363	1.5934 1.8581	1.6715	1.7857	Ave		1.6975			0.3000	9.8		20.0			
Styrene	2.1880 2.9645	2.2949 3.0468	2.3581 3.1044	2.5601	2.7734	Ave		2.6613			0.3000	13.5		20.0			
Isopropylbenzene	3.5426 4.3448	3.9111 4.3390	3.9155 4.4263	4.0928	4.1418	Ave		4.0892			0.1000	7.2		20.0			
Bromoform	0.5977 0.6694	0.6624 0.6885	0.6204 0.7301	0.6023	0.6401	Ave		0.6514			0.1000	7.0		20.0			
1,1,2,2-Tetrachloroethane	1.1788 1.1063	1.2107 1.0903	1.2001 1.1128	1.1250	1.0923	Ave		1.1395			0.3000	4.3		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.4111	0.3822 0.4157	0.3464 0.4360	0.3694	0.3878	Ave		0.3926				7.8		20.0			
N-Propylbenzene	4.7602 5.3028	5.0769 5.2316	4.9402 5.2414	5.0140	5.1008	Ave		5.0835				3.5		20.0			
1,2,3-Trichloropropane	0.2736 0.3691	0.3238 0.3602	0.3848 0.3652	0.3643	0.3732	Ave		0.3518				10.3		20.0			
Bromobenzene	1.2495 1.2855	1.4633 1.2361	1.3664 1.2494	1.2958	1.2991	Ave		1.3056				5.8		20.0			
1,3,5-Trimethylbenzene	3.2070 3.7654	3.2107 3.7417	3.3175 3.7914	3.4862	3.5857	Ave		3.5132				7.0		20.0			
2-Chlorotoluene	1.0736 1.0885	1.0829 1.0735	1.1061 1.0744	1.1416	1.1082	Ave		1.0936				2.2		20.0			
4-Chlorotoluene	1.0256 1.1427	1.1141 1.1251	1.0810 1.1332	1.1232	1.1285	Ave		1.1092				3.5		20.0			
tert-Butylbenzene	0.7451 0.8099	0.6970 0.8125	0.7179 0.8386	0.7402	0.7623	Ave		0.7655				6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.7545 3.9640	3.2371 3.9042	3.3791 3.9156	3.5139	3.7534	Ave		3.5527				11.8		20.0			
sec-Butylbenzene	3.7959 4.7034	4.0146 4.6897	4.2230 4.7453	4.4112	4.4939	Ave		4.3846				7.9		20.0			
4-Isopropyltoluene	2.9750 4.1155	3.3232 4.1254	3.3354 4.1632	3.7927	3.8386	Ave		3.7086				12.0		20.0			
1,3-Dichlorobenzene	2.5170 2.4007	2.6217 2.3838	2.5298 2.3829	2.4760	2.4311	Ave		2.4679			0.6000	3.4		20.0			
1,4-Dichlorobenzene	2.5847 2.4783	2.7878 2.3683	2.6687 2.3906	2.5805	2.5485	Ave		2.5509			0.5000	5.5		20.0			
n-Butylbenzene	2.8686 3.5088	3.2619 3.5630	3.2509 3.6216	3.2552	3.3190	Ave		3.3311				7.2		20.0			
1,2-Dichlorobenzene	2.3978 2.3293	2.5606 2.2885	2.4681 2.3002	2.3460	2.3556	Ave		2.3808			0.4000	3.9		20.0			
1,2-Dibromo-3-Chloropropane	0.2351 0.1887	0.2171 0.1903	0.2246 0.2024	0.1963	0.1801	Ave		0.2043			0.0500	9.5		20.0			
1,2,4-Trichlorobenzene	1.2033 1.5170	1.4117 1.5820	1.4221 1.6174	1.4342	1.4695	Ave		1.4572			0.2000	8.7		20.0			
Hexachlorobutadiene	0.6219 0.6283	0.6274 0.6237	0.6908 0.6498	0.6348	0.6448	Ave		0.6402				3.5		20.0			
Naphthalene	2.3980 3.3964	2.6179 3.6370	2.6495 3.8784	2.7487	3.0229	Ave		3.0436				17.6		20.0			
1,2,3-Trichlorobenzene	1.3064 1.4758	1.4628 1.5031	1.3956 1.5595	1.4100	1.4526	Ave		1.4457				5.3		20.0			
Dibromofluoromethane (Surr)	1.4135 1.3427	1.4037 1.3535	1.3819 1.3216	1.3867	1.3454	Ave		1.3686				2.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8753 0.8299	0.8825 0.8651	0.8543 0.8038	0.8574	0.8477	Ave		0.8520				3.0		20.0			
Toluene-d8 (Surr)	2.2034 2.3087	2.2016 2.2620	2.2397 2.2303	2.2650	2.2642	Ave		2.2469				1.6		20.0			
4-Bromofluorobenzene (Surr)	0.7192 0.7787	0.7297 0.7842	0.7590 0.7933	0.7648	0.7736	Ave		0.7628				3.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-303600/5	C4217.D
Level 2	IC 480-303600/6	C4218.D
Level 3	IC 480-303600/7	C4219.D
Level 4	IC 480-303600/8	C4220.D
Level 5	IC 480-303600/9	C4221.D
Level 6	ICIS 480-303600/10	C4222.D
Level 7	IC 480-303600/11	C4223.D
Level 8	IC 480-303600/12	C4224.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5629 436174	17172 837142	35101 1742823	86845	169013	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	10821 561413	24842 1089006	49396 2184324	120845	225809	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6963 462095	20755 891936	40247 1827130	96701	186819	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7388 469049	20272 900948	41116 1839907	98786	184631	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	4699 287939	12432 572616	26062 1155914	61153	118296	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	4068 263988	11155 512992	22210 1036641	57680	107164	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	10654 675669	28823 1310788	60436 2651294	141801	273050	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	8817 609518	23722 1165779	50209 2385308	122606	242894	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4287 311184	12252 645749	25290 1318995	61251	122455	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 267456	8762 534388	18755 1120612	46432	102733	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	4911 331723	14292 628607	25762 1302170	67882	130165	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4183 302050	13082 585746	25805 1204833	61703	120590	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	9989 610829	25325 1186790	51144 2392079	119630	240059	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	8490 565917	24163 1137035	49624 2302466	117860	230489	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	19011 1060247	48616 2017553	89991 4205742	221471	422514	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl acetate	FB	Ave	22320 1454775	56638 2876638	111923 5787841	274100	577819	2.00 125	5.00 250	10.0 500	25.0	50.0
Allyl chloride	FB	Ave	9377 573902	24424 1144970	47261 2309938	115658	228631	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylene Chloride	FB	Lin1	+++++ 351583	24492 680430	36857 1355951	81105	147188	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6197 385918	16040 786010	31036 1666940	72603	149551	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	13301 903581	35302 1824389	67242 3759738	168246	353717	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	5130 334063	14895 655402	28498 1314055	70031	135182	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	20128 1445286	55599 2854095	105832 5795798	279229	572680	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	7732 484674	20148 950218	36335 1978820	94731	189329	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18042 1485346	47879 3090977	98108 6465201	256309	554071	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	11061 647312	28959 1271706	56400 2582888	135716	268908	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	13264 889525	34866 1772929	68124 3700216	162918	344009	2.00 125	5.00 250	10.0 500	25.0	50.0
2,2-Dichloropropane	FB	Ave	7844 413335	18360 824690	36191 1653229	88645	172258	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	6828 365693	14892 726116	29591 1472389	72307	149675	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobromomethane	FB	Ave	3212 191844	8591 382121	16007 774585	39629	79107	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroform	FB	Ave	11214 597707	26584 1181992	50830 2372086	127070	245946	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	3704 224483	8386 460226	18044 941048	42700	87793	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	8127 504048	22245 1005204	44645 2038517	106967	212080	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	7695 663523	24540 1310011	48482 2739568	126805	250488	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6577 495580	21196 982749	39468 2156109	95892	183915	10.0 625	25.0 1250	50.0 2500	125	250
1,1-Dichloropropene	FB	Ave	5843 439255	17133 852477	34393 1742957	88886	176759	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	6626 481323	21143 942718	40307 1937593	99030	197718	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	20662 1279493	55817 2519483	110119 5094667	269756	533965	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	8229 468236	21165 938782	38422 1968837	92994	190892	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	9201 516183	22749 1014154	44410 2044863	110650	215812	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5498 338655	14599 668808	29474 1388063	69649	137176	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	5392 479493	17118 963695	33377 2036245	89064	183593	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5102 357193	15176 708724	28535 1460519	72330	148735	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	+++++ 61228	+++++ 116783	2982 253215	10738	22748	+++++ 500	+++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	3653 221664	8956 440676	18168 900493	44748	91103	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	6818 449210	17953 902204	36662 1874396	89668	180968	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 196069	5835 420696	12147 902752	33068	72340	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6644 506483	17718 1051848	36124 2190737	93000	199744	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	23880 1891000	63314 3842255	130888 7879838	331882	726390	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	11403 814650	33658 1613020	65512 3322734	167620	330278	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	+++++ 358390	10023 763286	22902 1685988	58043	132951	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	6465 474233	17076 976856	33255 2043024	89499	188117	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	3931 250290	10224 496828	21033 1019321	49768	102594	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14853 1313867	42506 2717736	86296 5707798	222822	489494	2.00 125	5.00 250	10.0 500	25.0	50.0
Tetrachloroethene	CBZ	Ave	6928 392683	16976 762794	32788 1550070	81776	159632	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	7855 506873	20915 1005764	41084 2047105	103861	206600	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromochloromethane	CBZ	Ave	4961 363049	13116 743633	28553 1567919	70197	141436	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	4703 315846	12444 637733	24257 1326621	61403	125235	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	15055 929485	40618 1843118	76941 3772835	192245	378596	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	23104 1524313	59537 3090081	114334 6377583	294885	597837	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	5362 352500	14091 720780	30678 1470841	71584	145755	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	7961 602063	20890 1230526	43683 2524415	114586	233562	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	6957 597587	20484 1214797	40798 2523149	108245	232714	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	10923 956616	29575 2015554	60376 4215460	165787	361433	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	17482 1485639	49584 3047276	102494 6351188	275021	569073	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	2984 216006	8537 455474	15884 991456	39005	83415	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	5817 378273	15349 765741	31415 1596728	75598	150082	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 140560	4845 291916	9068 625620	24820	53277	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	23491 1813209	64364 3674173	129315 7520857	336925	700837	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1350 126226	4105 252942	10073 524009	24479	51272	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	6166 439549	18552 868135	35768 1792711	87076	178488	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	15826 1287517	40705 2627807	86840 5440286	234263	492677	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	5298 372183	13729 753935	28953 1541582	76709	152266	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	5061 390720	14124 790121	28296 1626039	75475	155052	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	3677 276947	8837 570590	18793 1203321	49740	104745	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	13593 1355432	41039 2741937	88452 5618398	236120	515708	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	18732 1608271	50896 3293560	110541 6808982	296420	617456	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	14681 1407250	42131 2897247	87309 5973745	254855	527420	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	12421 820872	33237 1674142	66220 3419135	166379	334031	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	12755 847438	35343 1663234	69856 3430224	173400	350163	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	14156 1199778	41354 2502322	85097 5196506	218738	456032	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	11833 796485	32463 1607209	64605 3300457	157640	323651	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1160 64540	2752 133632	5878 290392	13190	24740	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5938 518720	17897 1111044	37226 2320840	96375	201906	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	3069 214851	7954 438042	18083 932357	42655	88589	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	11834 1161369	33189 2554289	69354 5565057	184704	415344	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	6447 504630	18545 1055645	36532 2237756	94746	199579	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	215353 213816	213974 213126	215802 216497	217180	213825	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	133354 132150	134520 136215	133404 131674	134293	134726	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	687517 744983	709315 748194	716835 757142	733389	737672	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	224390 251288	235107 259387	242922 269293	247643	252035	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-303600/5	C4217.D
Level 2	IC 480-303600/6	C4218.D
Level 3	IC 480-303600/7	C4219.D
Level 4	IC 480-303600/8	C4220.D
Level 5	IC 480-303600/9	C4221.D
Level 6	ICIS 480-303600/10	C4222.D
Level 7	IC 480-303600/11	C4223.D
Level 8	IC 480-303600/12	C4224.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-13.8 -0.7	5.2 -0.7	4.9	3.5	-0.7	2.3	30 30	30 30	30	30	30	30
Chloromethane	17.6 -8.4	7.9 -11.7	4.8	2.2	-5.9	-6.6	30 30	30 30	30	30	30	30
Vinyl chloride	-4.9 -5.7	13.3 -7.2	7.3	2.8	-2.2	-3.4	30 30	30 30	30	30	30	30
Butadiene	-0.3 -5.9	9.4 -7.6	8.3	3.7	-4.5	-3.1	30 30	30 30	30	30	30	30
Bromomethane	1.1 -4.7	6.9 -7.5	9.4	2.4	-2.4	-5.2	30 30	30 30	30	30	30	30
Chloroethane	-2.3 -4.7	7.1 -7.4	4.0	7.7	-1.4	-3.0	30 30	30 30	30	30	30	30
Dichlorofluoromethane	-0.7 -5.4	7.4 -8.1	9.9	2.9	-2.4	-3.6	30 30	30 30	30	30	30	30
Trichlorofluoromethane	-4.9 -2.7	2.3 -4.3	5.7	2.9	0.4	0.6	30 30	30 30	30	30	30	30
Ethyl ether	-10.3 4.5	2.4 2.6	3.2	-0.3	-1.8	-0.4	30 30	30 30	30	30	30	30
Acrolein	+++++ 6.8	-9.6 7.6	-5.5	-6.7	1.7	5.7	 30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	-3.5 -4.4	12.3 -4.8	-1.2	3.8	-1.9	-0.2	30 30	30 30	30	30	30	30
1,1-Dichloroethene	-10.8 -3.3	11.5 -4.4	7.4	2.4	-1.4	-1.4	30 30	30 30	30	30	30	30
Acetone	5.1 -3.4	6.5 -6.4	5.0	-2.1	-3.2	-1.6	30 30	30 30	30	30	30	30
Iodomethane	-5.5 -2.0	7.5 -4.7	7.8	2.1	-1.6	-3.6	30 30	30 30	30	30	30	30
Carbon disulfide	11.1 -8.8	13.6 -8.6	2.6	0.7	-5.4	-5.2	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Methyl acetate	1.3 1.0	2.7 -2.3	-0.9	-3.2	0.5	1.0	30 30	30 30	30	30	30	30
Allyl chloride	3.7 -2.0	7.9 -5.0	1.9	-0.5	-3.1	-2.9	30 30	30 30	30	30	30	30
Methylene Chloride	+++++ 1.8	-2.7 -1.7	-6.2	5.1	1.5	2.1	 30	30 30	30	30	30	30
2-Methyl-2-propanol	2.8 0.9	6.3 2.8	0.4	-6.3	-4.9	-2.0	30 30	30 30	30	30	30	30
Methyl tert-butyl ether	-2.5 3.5	3.5 2.5	-3.8	-4.0	-0.6	1.4	30 30	30 30	30	30	30	30
trans-1,2-Dichloroethene	-3.1 -4.2	12.5 -7.7	5.0	2.9	-2.1	-3.4	30 30	30 30	30	30	30	30
Acrylonitrile	-6.6 2.5	3.1 0.0	-4.2	0.8	1.9	2.6	30 30	30 30	30	30	30	30
Hexane	3.7 -1.3	8.0 -1.3	-4.9	-1.1	-2.6	-0.5	30 30	30 30	30	30	30	30
Vinyl acetate	-14.2 13.8	-9.0 14.4	-9.0	-5.2	1.0	8.1	30 30	30 30	30	30	30	30
1,1-Dichloroethane	5.5 -6.1	10.4 -8.4	5.0	0.7	-1.7	-5.5	30 30	30 30	30	30	30	30
2-Butanone (MEK)	-1.3 2.2	3.8 2.5	-1.1	-5.6	-1.8	1.4	30 30	30 30	30	30	30	30
2,2-Dichloropropane	14.9 -6.5	7.5 -9.9	3.4	1.1	-3.2	-7.3	30 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	17.2 -3.5	2.2 -6.0	-0.9	-3.4	-1.5	-3.9	30 30	30 30	30	30	30	30
Chlorobromomethane	4.2 -4.1	11.4 -6.5	1.3	0.0	-1.6	-4.7	30 30	30 30	30	30	30	30
Chloroform	14.7 -6.4	8.7 -9.7	1.5	1.2	-3.5	-6.4	30 30	30 30	30	30	30	30
Tetrahydrofuran	6.7 2.6	-3.4 0.9	1.4	-4.3	-3.0	-1.0	30 30	30 30	30	30	30	30
1,1,1-Trichloroethane	-0.4 -4.6	9.0 -7.0	6.8	2.0	-0.3	-5.4	30 30	30 30	30	30	30	30
Cyclohexane	-20.0 5.5	2.0 6.0	-1.6	2.6	-0.1	5.6	30 30	30 30	30	30	30	30
Isobutyl alcohol	-13.0 0.6	12.1 6.1	1.9	-1.3	-6.7	0.3	30 30	30 30	30	30	30	30
1,1-Dichloropropene	-11.6 -0.2	3.6 -2.0	1.5	4.6	2.5	1.7	30 30	30 30	30	30	30	30
Carbon tetrachloride	-11.8 -2.9	12.5 -4.1	4.7	2.6	0.9	-1.9	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Benzene	0.8 -4.9	8.9 -7.5	4.8	2.4	-0.1	-4.4	30 30	30 30	30	30	30	30
n-Heptane	8.8 -3.9	11.9 -3.2	-0.9	-4.3	-3.2	-5.2	30 30	30 30	30	30	30	30
1,2-Dichloroethane	9.5 -6.6	8.3 -9.4	3.2	2.5	-1.5	-5.9	30 30	30 30	30	30	30	30
Trichloroethene	1.6 -4.3	7.9 -4.6	6.3	0.2	-2.8	-4.2	30 30	30 30	30	30	30	30
Methylcyclohexane	-21.7 8.3	-0.6 10.0	-5.4	0.6	2.2	6.6	30 30	30 30	30	30	30	30
1,2-Dichloropropane	-8.2 -1.3	9.2 -2.2	0.2	1.3	2.6	-1.6	30 30	30 30	30	30	30	30
1,4-Dioxane	+++++ -3.9	+++++ 0.8	-4.1	2.4	0.4	4.5	 30	 30	30	30	30	30
Dibromomethane	4.7 -2.2	2.6 -4.0	1.6	-0.2	0.1	-2.7	30 30	30 30	30	30	30	30
Bromodichloromethane	-2.4 -0.1	2.7 -0.2	2.4	-0.1	-0.7	-1.6	30 30	30 30	30	30	30	30
2-Chloroethyl vinyl ether	+++++ 15.9	-17.0 19.5	-15.6	-8.4	-1.3	6.8	 30	30 30	30	30	30	30
cis-1,3-Dichloropropene	-11.0 9.1	-5.1 9.2	-5.6	-3.0	2.6	3.9	30 30	30 30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-11.0 8.1	-8.6 8.0	-4.8	-4.6	3.8	9.1	30 30	30 30	30	30	30	30
Toluene	-8.6 -2.4	4.5 -2.1	2.4	3.6	1.4	1.0	30 30	30 30	30	30	30	30
Ethyl methacrylate	+++++ 13.8	-23.3 22.5	-11.7	-11.6	0.7	9.6	 30	30 30	30	30	30	30
trans-1,3-Dichloropropene	-7.5 5.5	-5.3 7.5	-7.2	-1.2	3.2	5.0	30 30	30 30	30	30	30	30
1,1,2-Trichloroethane	1.0 -3.6	1.8 -3.7	5.4	-1.4	1.0	-0.5	30 30	30 30	30	30	30	30
2-Hexanone	-18.6 12.5	-9.7 15.1	-7.7	-5.8	2.8	11.5	30 30	30 30	30	30	30	30
Tetrachloroethene	11.2 -7.6	5.5 -8.5	2.6	1.2	-1.9	-2.5	30 30	30 30	30	30	30	30
1,3-Dichloropropane	0.0 -3.4	3.1 -4.2	2.0	1.9	0.7	-0.2	30 30	30 30	30	30	30	30
Dibromochloromethane	-8.6 3.4	-6.4 6.2	2.5	-0.3	-0.2	3.5	30 30	30 30	30	30	30	30
1,2-Dibromoethane	-1.9 0.4	0.5 1.7	-1.4	-1.3	0.1	1.9	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	2.7 -5.1	7.3 -5.4	2.3	1.1	-1.1	-1.9	30 30	30 30	30	30	30	30
Ethylbenzene	0.2 1.1	0.0 1.7	-3.3	-1.4	-0.7	2.3	30 30	30 30	30	30	30	30
1,1,1,2-Tetrachloroethane	-3.0 -1.6	-1.2 -2.1	8.3	-0.1	1.0	-1.3	30 30	30 30	30	30	30	30
m,p-Xylene	-9.3 5.8	-7.8 5.7	-3.0	0.6	1.9	6.1	30 30	30 30	30	30	30	30
o-Xylene	-17.9 8.2	-6.4 9.5	-6.1	-1.5	5.2	9.1	30 30	30 30	30	30	30	30
Styrene	-17.8 14.5	-13.8 16.7	-11.4	-3.8	4.2	11.4	30 30	30 30	30	30	30	30
Isopropylbenzene	-13.4 6.1	-4.4 8.2	-4.2	0.1	1.3	6.2	30 30	30 30	30	30	30	30
Bromoform	-8.2 5.7	1.7 12.1	-4.8	-7.5	-1.7	2.8	30 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	3.4 -4.3	6.2 -2.3	5.3	-1.3	-4.1	-2.9	30 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	+++++ 5.9	-2.7 11.0	-11.8	-5.9	-1.2	4.7	 30	30 30	30	30	30	30
N-Propylbenzene	-6.4 2.9	-0.1 3.1	-2.8	-1.4	0.3	4.3	30 30	30 30	30	30	30	30
1,2,3-Trichloropropane	-22.2 2.4	-8.0 3.8	9.4	3.6	6.1	4.9	30 30	30 30	30	30	30	30
Bromobenzene	-4.3 -5.3	12.1 -4.3	4.7	-0.8	-0.5	-1.5	30 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	-8.7 6.5	-8.6 7.9	-5.6	-0.8	2.1	7.2	30 30	30 30	30	30	30	30
2-Chlorotoluene	-1.8 -1.8	-1.0 -1.8	1.1	4.4	1.3	-0.5	30 30	30 30	30	30	30	30
4-Chlorotoluene	-7.5 1.4	0.4 2.2	-2.5	1.3	1.7	3.0	30 30	30 30	30	30	30	30
tert-Butylbenzene	-2.7 6.1	-8.9 9.6	-6.2	-3.3	-0.4	5.8	30 30	30 30	30	30	30	30
1,2,4-Trimethylbenzene	-22.5 9.9	-8.9 10.2	-4.9	-1.1	5.6	11.6	30 30	30 30	30	30	30	30
sec-Butylbenzene	-13.4 7.0	-8.4 8.2	-3.7	0.6	2.5	7.3	30 30	30 30	30	30	30	30
4-Isopropyltoluene	-19.8 11.2	-10.4 12.3	-10.1	2.3	3.5	11.0	30 30	30 30	30	30	30	30
1,3-Dichlorobenzene	2.0 -3.4	6.2 -3.4	2.5	0.3	-1.5	-2.7	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 303600

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2016 13:46 Calibration End Date: 05/25/2016 16:43 Calibration ID: 27553

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	1.3 -7.2	9.3 -6.3	4.6	1.2	-0.1	-2.8	30 30	30 30	30	30	30	30
n-Butylbenzene	-13.9 7.0	-2.1 8.7	-2.4	-2.3	-0.4	5.3	30 30	30 30	30	30	30	30
1,2-Dichlorobenzene	0.7 -3.9	7.6 -3.4	3.7	-1.5	-1.1	-2.2	30 30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	15.1 -6.9	6.2 -0.9	9.9	-3.9	-11.9	-7.6	30 30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	-17.4 8.6	-3.1 11.0	-2.4	-1.6	0.8	4.1	30 30	30 30	30	30	30	30
Hexachlorobutadiene	-2.9 -2.6	-2.0 1.5	7.9	-0.8	0.7	-1.9	30 30	30 30	30	30	30	30
Naphthalene	-21.2 19.5	-14.0 27.4	-12.9	-9.7	-0.7	11.6	30 30	30 30	30	30	30	30
1,2,3-Trichlorobenzene	-9.6 4.0	1.2 7.9	-3.5	-2.5	0.5	2.1	30 30	30 30	30	30	30	30
Dibromofluoromethane (Surr)	3.3 -1.1	2.6 -3.4	1.0	1.3	-1.7	-1.9	30 30	30 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	2.7 1.5	3.6 -5.7	0.3	0.6	-0.5	-2.6	30 30	30 30	30	30	30	30
Toluene-d8 (Surr)	-1.9 0.7	-2.0 -0.7	-0.3	0.8	0.8	2.8	30 30	30 30	30	30	30	30
4-Bromofluorobenzene (Surr)	-5.7 2.8	-4.3 4.0	-0.5	0.3	1.4	2.1	30 30	30 30	30	30	30	30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-May-2016 13:46:30 ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0053523-005
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:30 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: goliszekg Date: 25-May-2016 16:12:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	152350	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.764	0.012	86	312019	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	308428	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	215353	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	133354	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	10.590	10.579	0.011	94	687517	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	91	224390	25.0	23.6	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	28	5629	0.4000	0.3449	
12 Chloromethane	50	4.851	4.851	0.000	94	10821	0.4000	0.4705	
13 Vinyl chloride	62	5.088	5.076	0.012	95	6963	0.4000	0.3804	
151 Butadiene	54	5.135	5.124	0.011	86	7388	0.4000	0.3988	
14 Bromomethane	94	5.681	5.681	0.000	81	4699	0.4000	0.4043	
15 Chloroethane	64	5.823	5.823	0.000	93	4068	0.4000	0.3906	
16 Dichlorofluoromethane	67	6.108	6.096	0.012	96	10654	0.4000	0.3972	
17 Trichlorofluoromethane	101	6.167	6.155	0.012	89	8817	0.4000	0.3804	
18 Ethyl ether	59	6.475	6.476	-0.001	93	4287	0.4000	0.3587	
20 Acrolein	56	6.748	6.725	0.023	1	2207	2.00	1.14	M
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	84	4911	0.4000	0.3860	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	90	4183	0.4000	0.3568	
23 Acetone	43	6.879	6.867	0.012	0	9989	2.00	2.10	M
25 Iodomethane	142	7.057	7.045	0.011	94	8490	0.4000	0.3780	
26 Carbon disulfide	76	7.140	7.128	0.012	99	19011	0.4000	0.4443	M
27 Methyl acetate	43	7.175	7.163	0.012	98	22320	2.00	2.03	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	0	9377	0.4000	0.4146	M
30 Methylene Chloride	84	7.341	7.341	0.000	97	15187	0.4000	0.2413	
31 2-Methyl-2-propanol	59	7.365	7.353	0.012	52	6197	4.00	4.11	
32 Methyl tert-butyl ether	73	7.507	7.495	0.012	98	13301	0.4000	0.3900	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	91	5130	0.4000	0.3876	
33 Acrylonitrile	53	7.602	7.578	0.024	97	20128	4.00	3.73	M
35 Hexane	57	7.721	7.709	0.012	92	7732	0.4000	0.4148	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	95	18042	0.8000	0.6864	M
39 1,1-Dichloroethane	63	7.970	7.970	0.000	1	11061	0.4000	0.4220	
43 2-Butanone (MEK)	43	8.432	8.420	0.012	66	13264	2.00	1.97	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	70	7844	0.4000	0.4596	
45 cis-1,2-Dichloroethene	96	8.468	8.456	0.012	83	6828	0.4000	0.4687	
48 Chlorobromomethane	128	8.693	8.693	0.000	95	3212	0.4000	0.4168	
50 Chloroform	83	8.705	8.693	0.012	94	11214	0.4000	0.4589	
49 Tetrahydrofuran	42	8.705	8.693	0.012	18	3704	0.8000	0.8538	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	89	8127	0.4000	0.3985	
52 Cyclohexane	56	8.906	8.907	0.000	88	7695	0.4000	0.3201	
53 Isobutyl alcohol	43	8.954	8.942	0.012	86	6577	10.0	8.70	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	88	5843	0.4000	0.3534	
55 Carbon tetrachloride	117	9.013	9.001	0.012	95	6626	0.4000	0.3528	
57 Benzene	78	9.179	9.179	0.000	95	20662	0.4000	0.4032	
59 n-Heptane	43	9.191	9.191	0.000	72	8229	0.4000	0.4352	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	67	9201	0.4000	0.4381	
62 Trichloroethene	95	9.654	9.654	0.000	85	5498	0.4000	0.4064	
64 Methylcyclohexane	83	9.784	9.784	0.000	90	5392	0.4000	0.3132	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	85	5102	0.4000	0.3673	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.997	9.997	0.000	91	3653	0.4000	0.4189	
68 Dichlorobromomethane	83	10.057	10.057	0.000	93	6818	0.4000	0.3903	
69 2-Chloroethyl vinyl ether	63	10.187	10.175	0.012	1	1633	0.4000	0.2325	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	95	6644	0.4000	0.3560	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.413	-0.001	97	23880	2.00	1.78	
74 Toluene	92	10.650	10.638	0.012	94	11403	0.4000	0.3657	
75 Ethyl methacrylate	69	10.721	10.709	0.012	86	3259	0.4000	0.2576	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	94	6465	0.4000	0.3702	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	84	3931	0.4000	0.4041	
80 2-Hexanone	43	11.053	11.053	0.000	75	14853	2.00	1.63	
81 Tetrachloroethene	166	11.088	11.088	0.000	95	6928	0.4000	0.4448	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	95	7855	0.4000	0.4000	
83 Chlorodibromomethane	129	11.337	11.338	-0.001	91	4961	0.4000	0.3655	
84 Ethylene Dibromide	107	11.468	11.468	0.000	95	4703	0.4000	0.3923	
88 Ethylbenzene	91	11.800	11.800	0.000	92	23104	0.4000	0.4008	
87 Chlorobenzene	112	11.800	11.800	0.000	80	15055	0.4000	0.4108	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.836	-0.001	73	5362	0.4000	0.3882	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	7961	0.4000	0.3627	
91 o-Xylene	106	12.227	12.227	0.000	96	6957	0.4000	0.3284	
92 Styrene	104	12.239	12.239	0.000	93	10923	0.4000	0.3289	
94 Isopropylbenzene	105	12.500	12.500	0.000	95	17482	0.4000	0.3465	
95 Bromoform	173	12.523	12.523	0.000	88	2984	0.4000	0.3671	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	85	5817	0.4000	0.4138	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	1	1253	0.4000	0.2587	
99 N-Propylbenzene	91	12.843	12.844	-0.001	97	23491	0.4000	0.3746	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	7	1350	0.4000	0.3111	
101 Bromobenzene	156	12.903	12.903	0.000	84	6166	0.4000	0.3828	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	15826	0.4000	0.3651	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	5298	0.4000	0.3927	
105 4-Chlorotoluene	126	13.104	13.104	0.000	96	5061	0.4000	0.3699	
106 tert-Butylbenzene	134	13.294	13.294	0.000	94	3677	0.4000	0.3894	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	94	13593	0.4000	0.3101	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	18732	0.4000	0.3463	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	14681	0.4000	0.3209	
111 1,3-Dichlorobenzene	146	13.733	13.721	0.012	96	12421	0.4000	0.4080	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	93	12755	0.4000	0.4053	
115 n-Butylbenzene	91	14.006	13.994	0.012	95	14156	0.4000	0.3445	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	93	11833	0.4000	0.4029	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.109	0.000	1	1160	0.4000	0.4602	
119 1,2,4-Trichlorobenzene	180	16.140	16.128	0.012	13	5938	0.4000	0.3303	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	74	3069	0.4000	0.3886	
121 Naphthalene	128	16.579	16.567	0.012	1	11834	0.4000	0.3152	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	90	6447	0.4000	0.3615	
S 123 Total BTEX	1				0			1.86	
S 124 Xylenes, Total	1				0			0.6911	
S 125 1,2-Dichloroethene, Total	1				0			0.8563	
S 126 1,3-Dichloropropene, Total	1				0			0.7262	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	0.40	Units: uL	
GAS CORP mix_00156	Amount Added:	0.40	Units: uL	
C_8260_IS_00076	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added:	1.00	Units: uL	Run Reagent

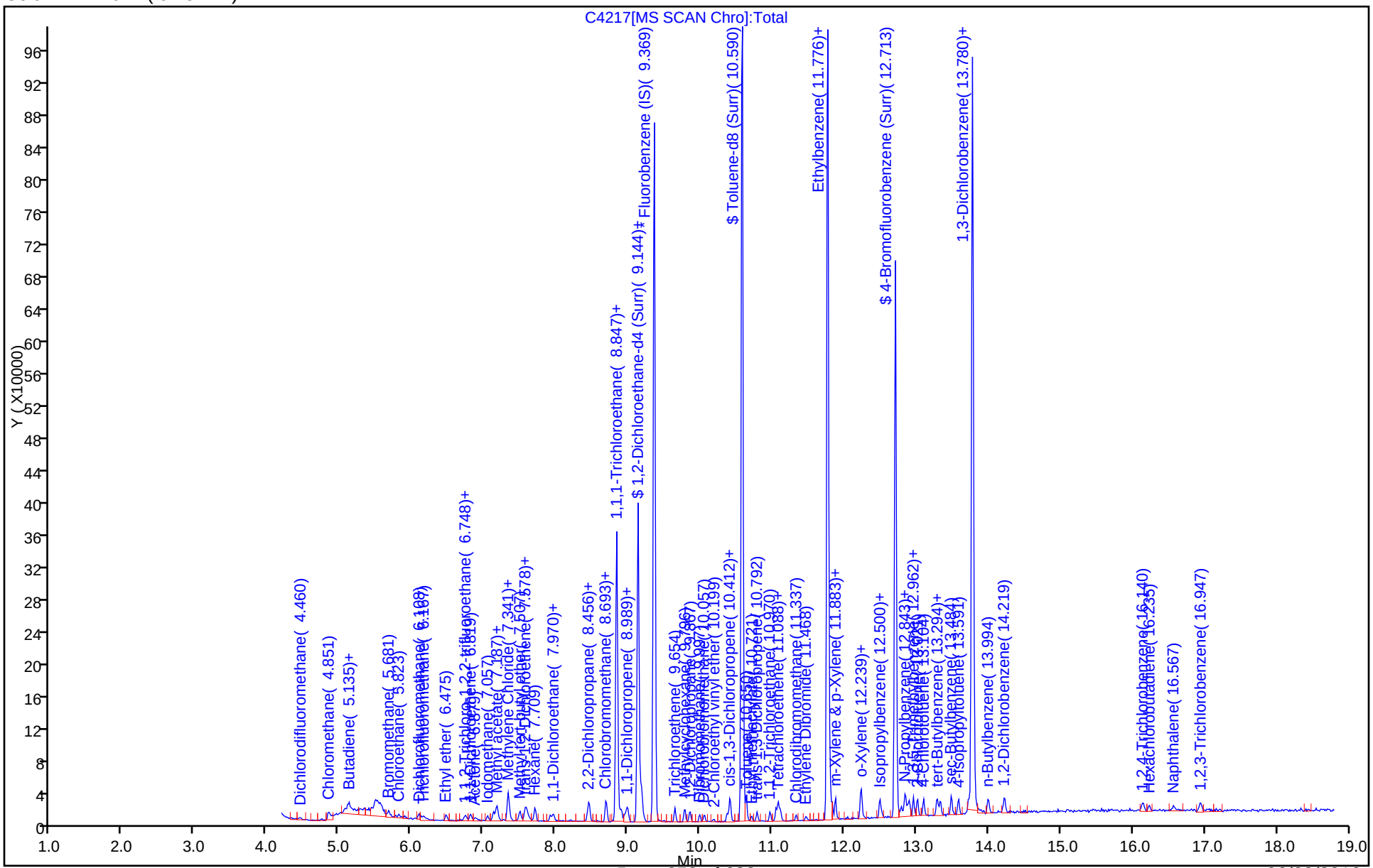
Report Date: 25-May-2016 19:45:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D

Injection Date:	25-May-2016 13:46:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 0.4			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	61
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

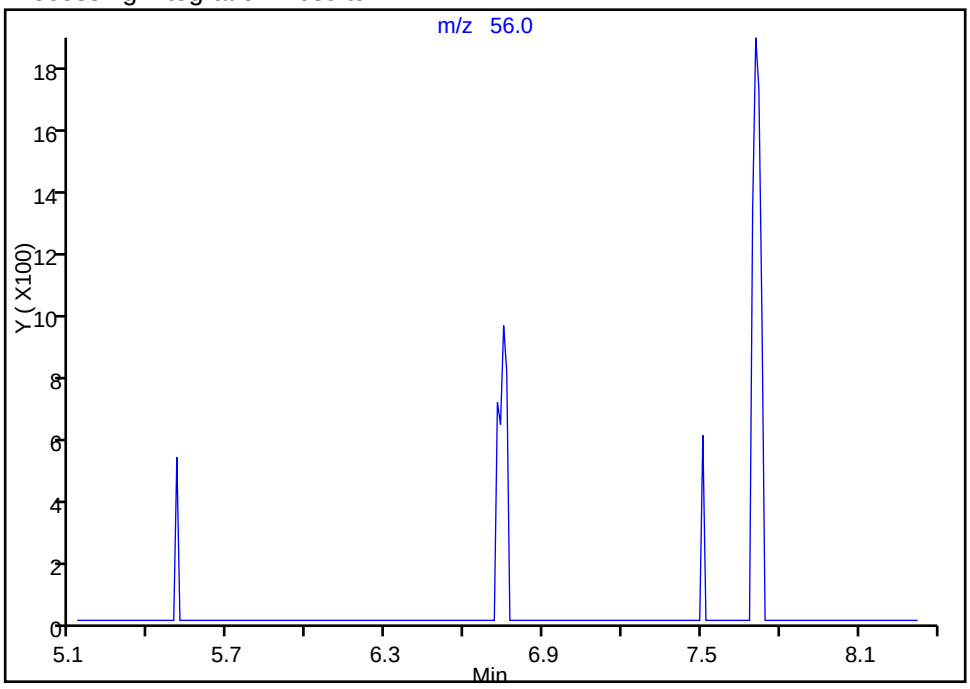
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Injection Date: 25-May-2016 13:46:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

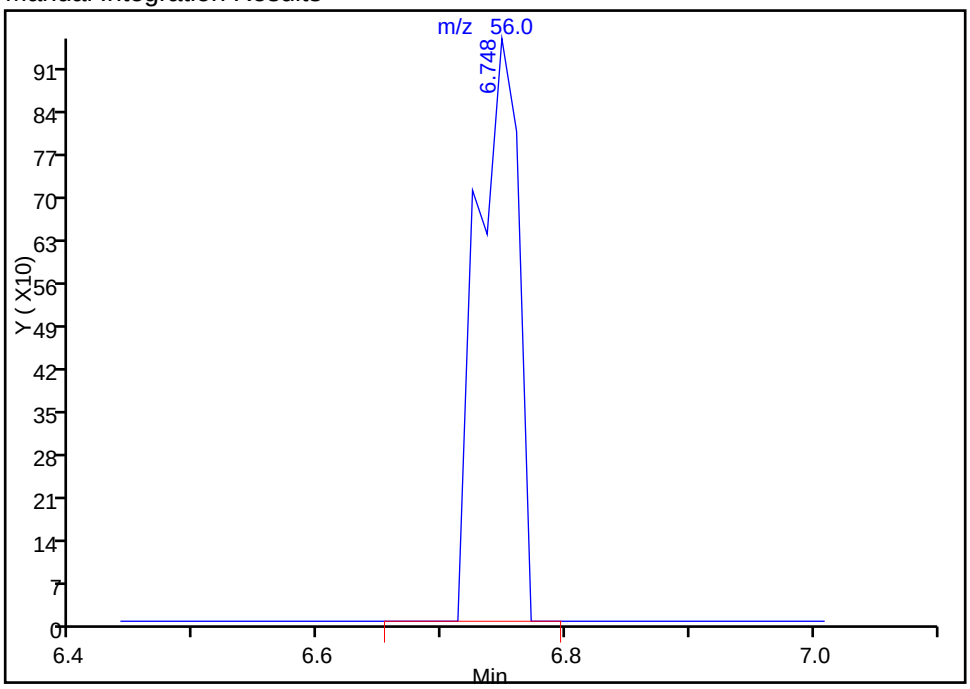
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.75
Area: 2207
Amount: 1.139561
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:26:21
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

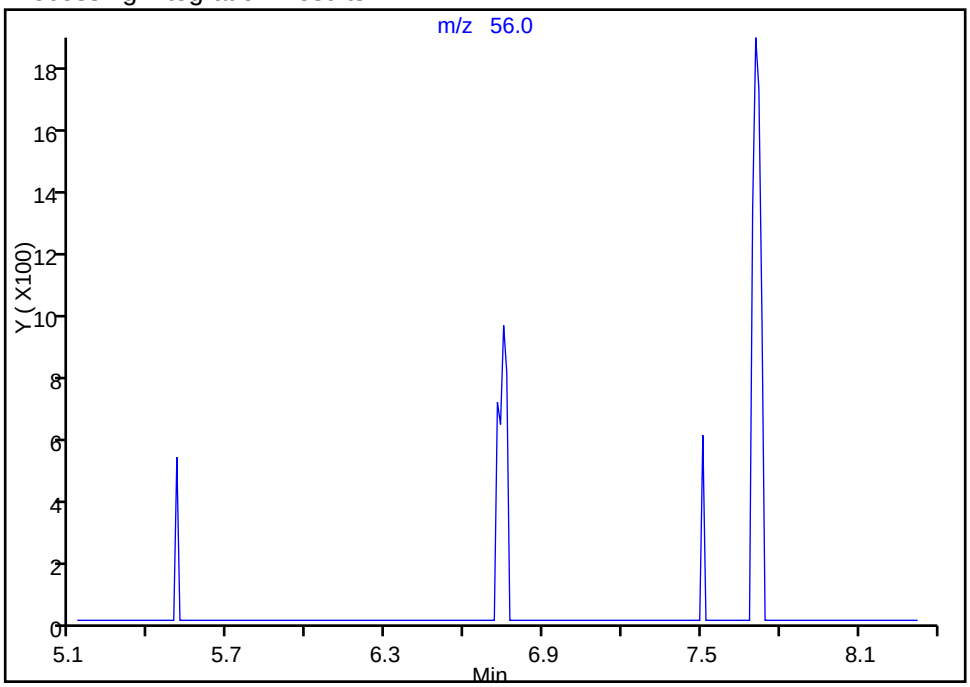
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Injection Date: 25-May-2016 13:46:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

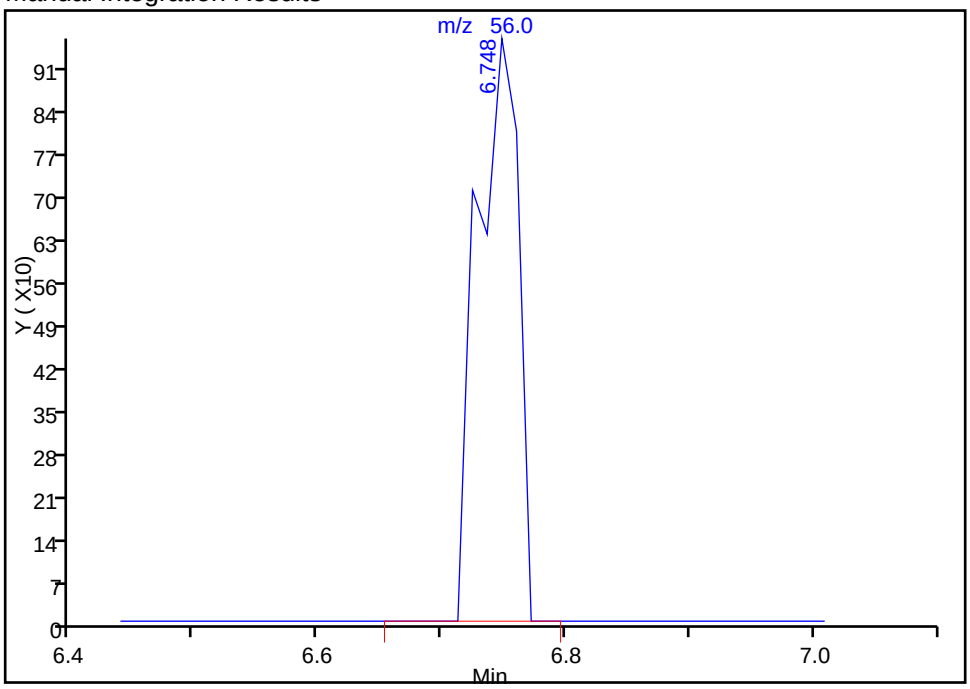
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.75
Area: 2207
Amount: 1.139561
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:26:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

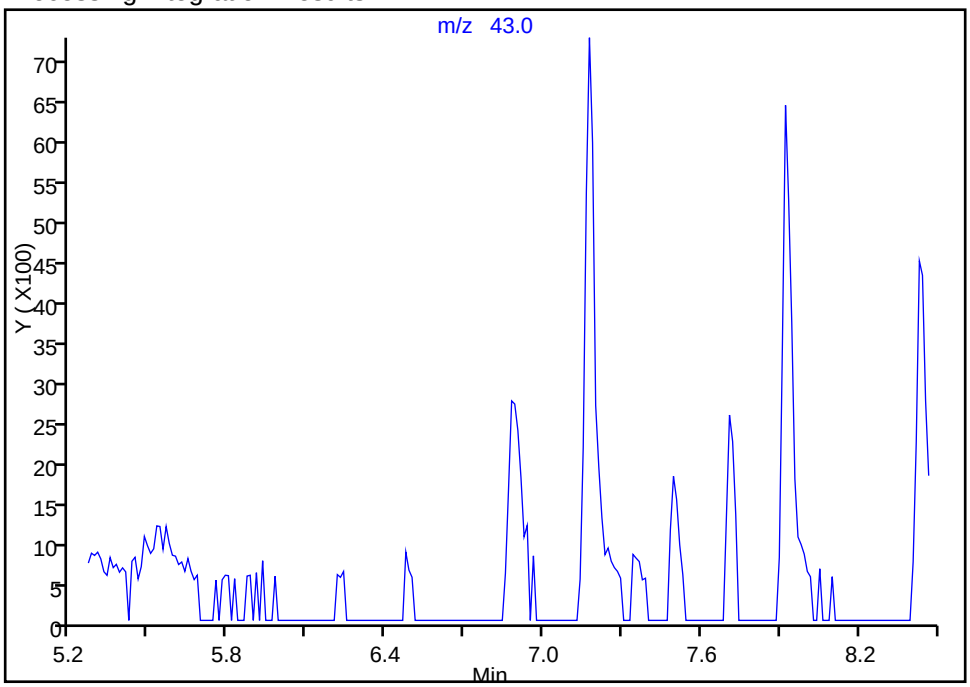
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Injection Date: 25-May-2016 13:46:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

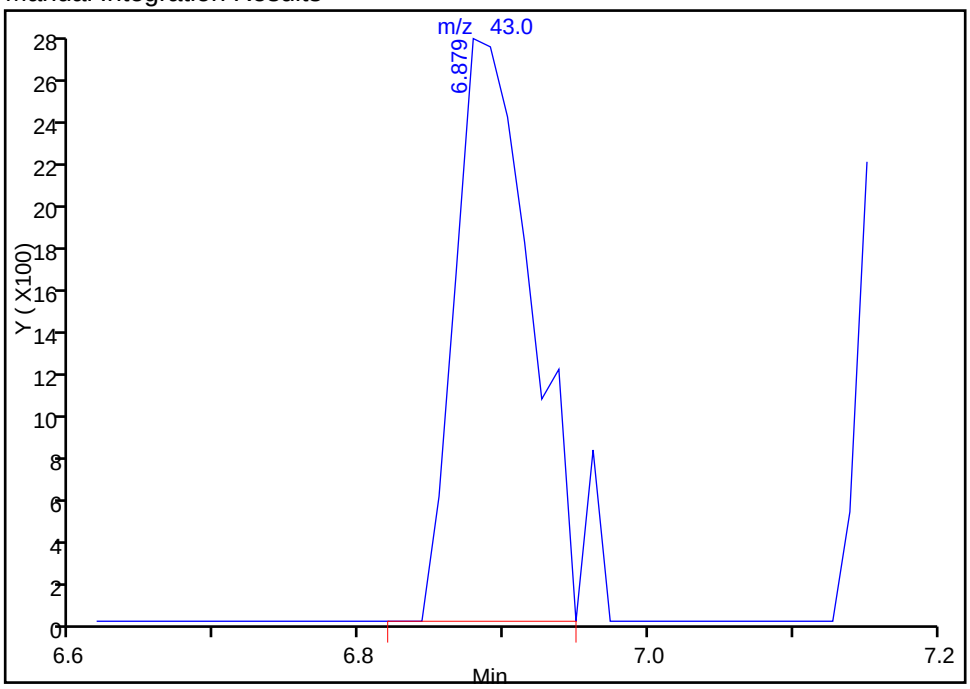
Not Detected
Expected RT: 6.87

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 9989
Amount: 2.101787
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:26:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

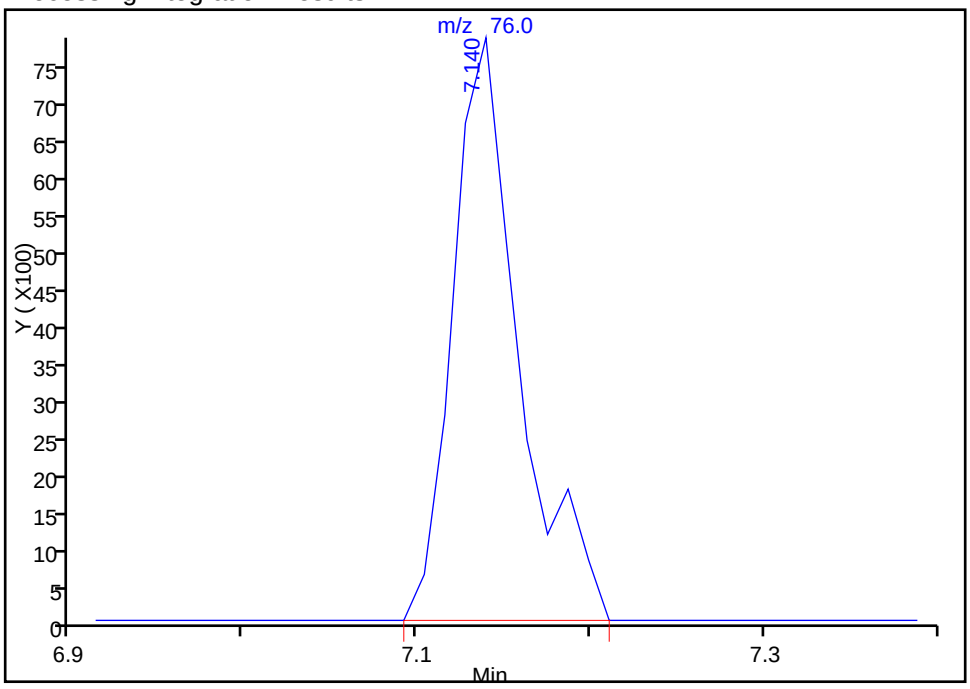
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Injection Date: 25-May-2016 13:46:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

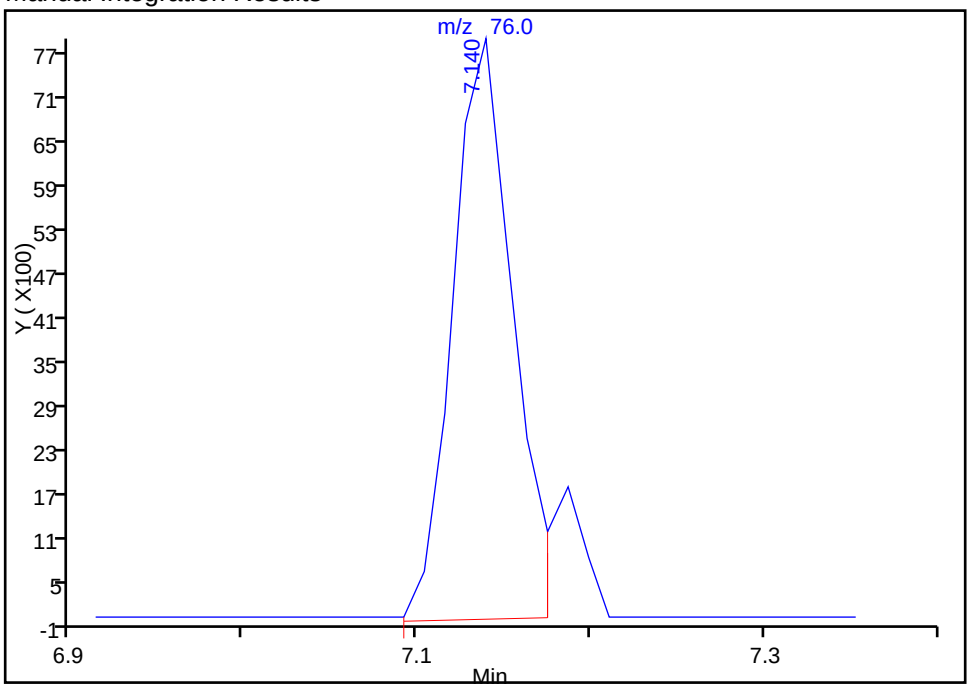
Processing Integration Results

RT: 7.14
Area: 20656
Amount: 0.463310
Amount Units: ug/L



Manual Integration Results

RT: 7.14
Area: 19011
Amount: 0.444270
Amount Units: ug/L



Reviewer: HillL, 25-May-2016 19:13:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

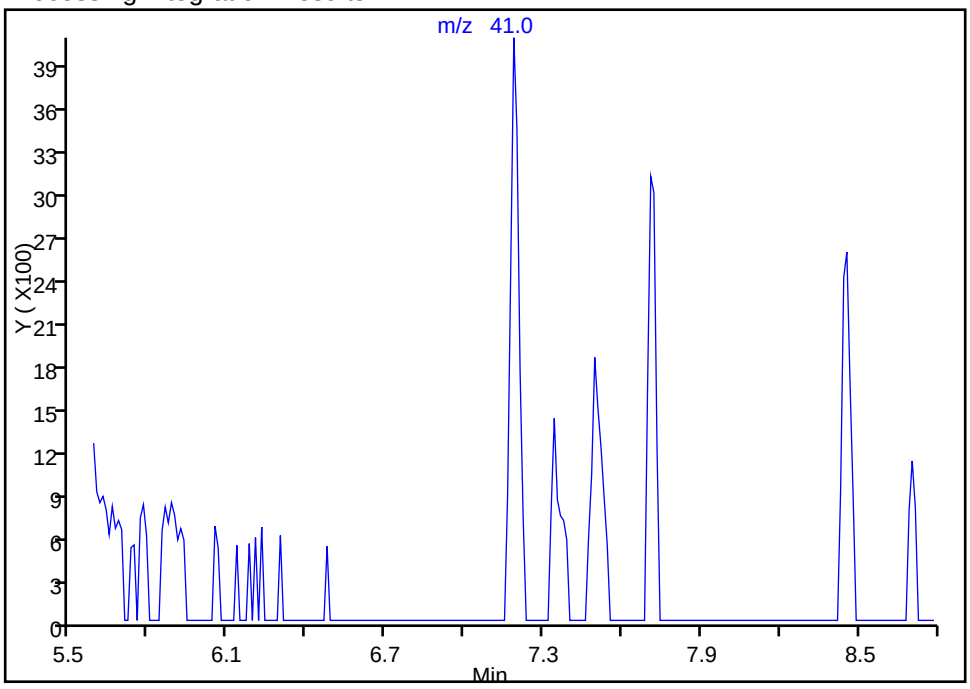
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Injection Date: 25-May-2016 13:46:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

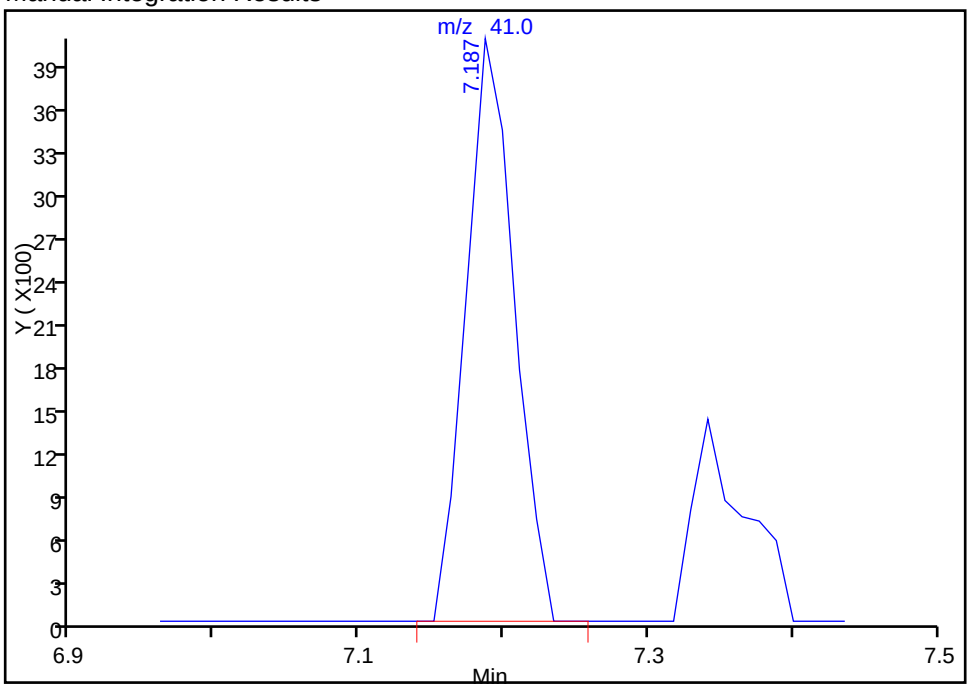
Not Detected
Expected RT: 7.19

Processing Integration Results



Manual Integration Results

RT: 7.19
Area: 9377
Amount: 0.414623
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:26:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

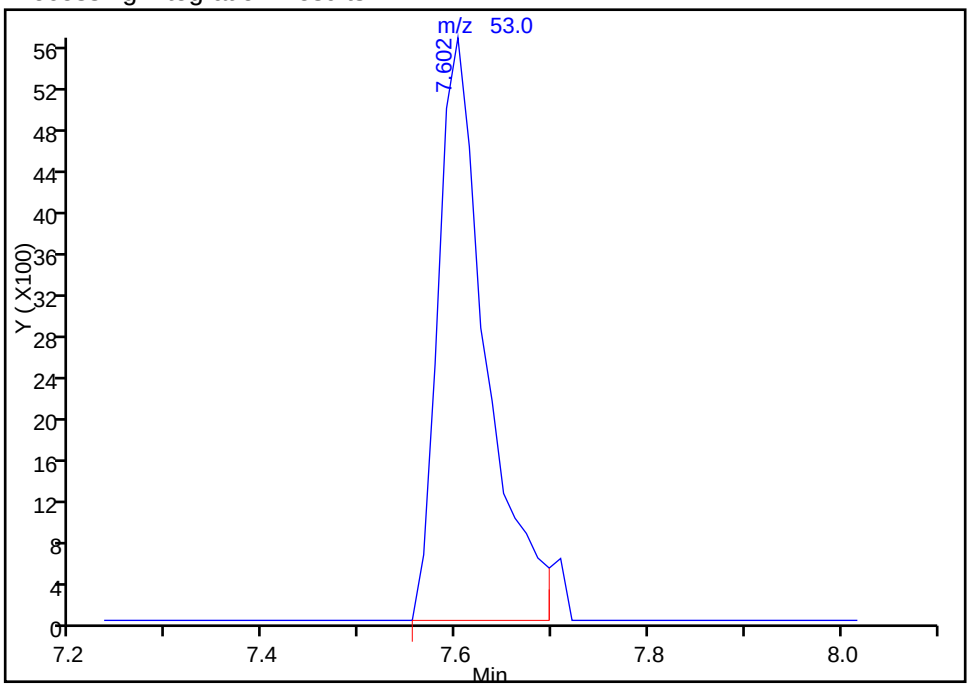
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Injection Date: 25-May-2016 13:46:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

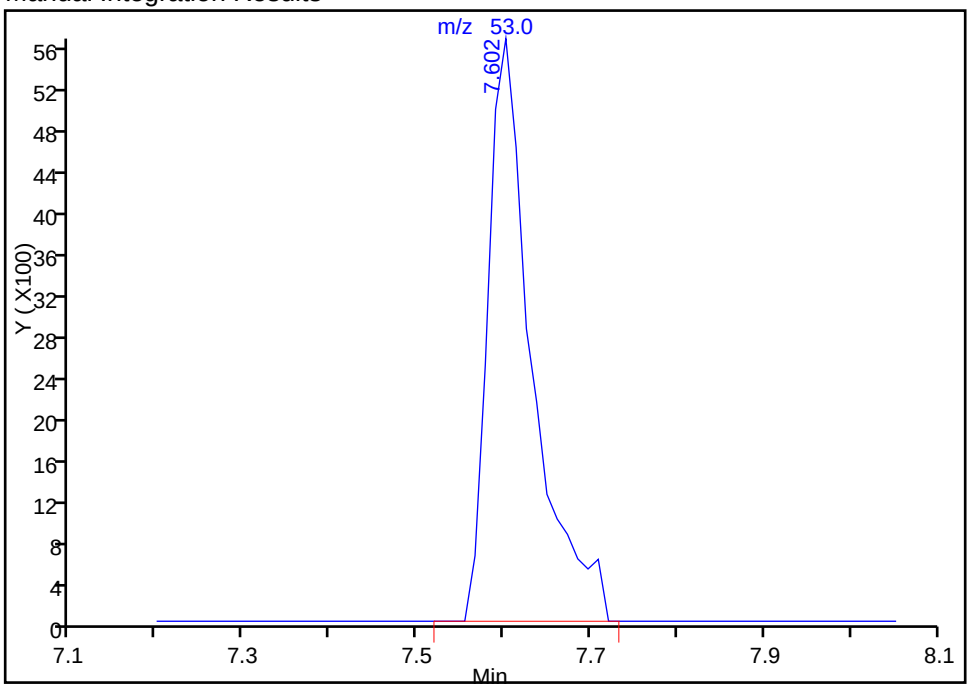
Processing Integration Results

RT: 7.60
Area: 19697
Amount: 3.679248
Amount Units: ug/L



Manual Integration Results

RT: 7.60
Area: 20128
Amount: 3.734554
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:26:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

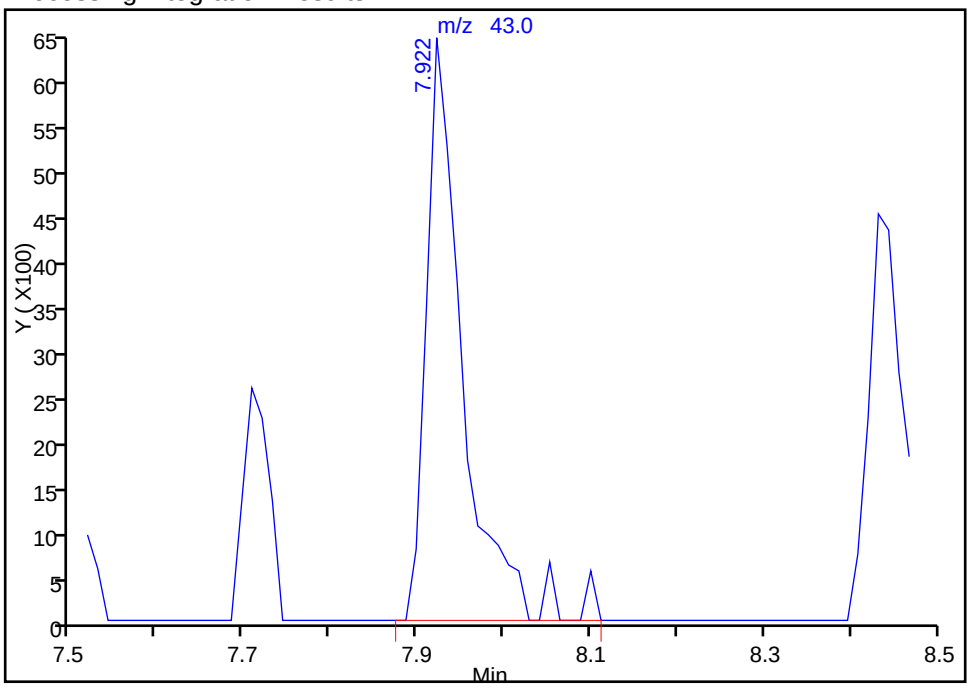
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4217.D
Injection Date: 25-May-2016 13:46:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

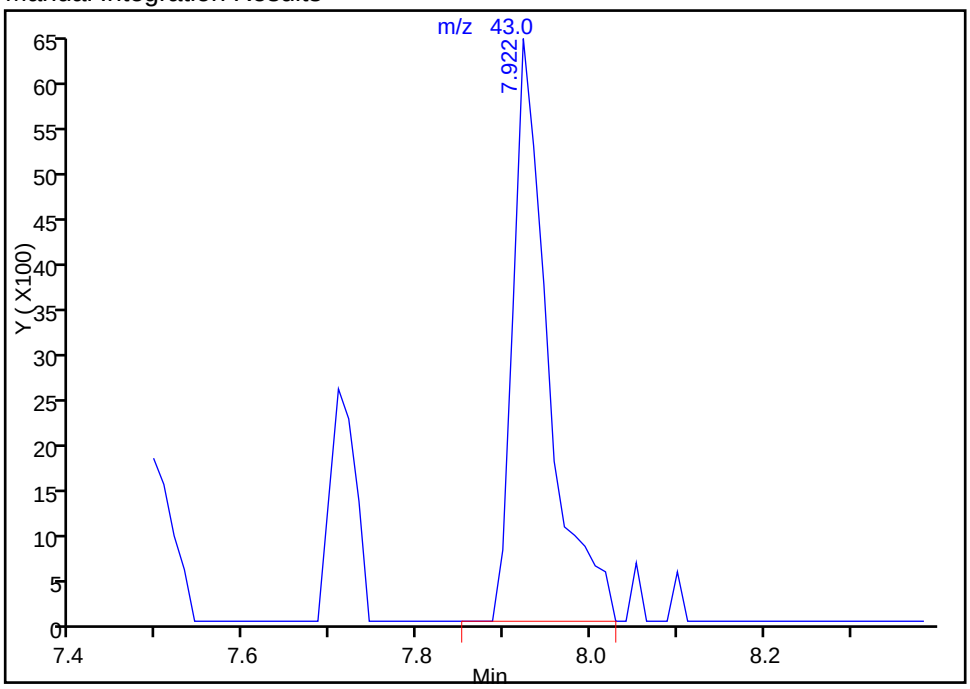
Processing Integration Results

RT: 7.92
Area: 18887
Amount: 0.748628
Amount Units: ug/L



Manual Integration Results

RT: 7.92
Area: 18042
Amount: 0.686376
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:29:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4218.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-May-2016 14:11:30 ALS Bottle#: 62 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0053523-006
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:35 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: goliszekg Date: 25-May-2016 16:12:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	152431	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	87	322186	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	96	316944	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	213974	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	134520	25.0	25.9	
$ 5 Toluene-d8 (Surr)	98	10.579	10.579	0.000	95	709315	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	92	235107	25.0	23.9	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	96	17172	1.00	1.05	
12 Chloromethane	50	4.839	4.851	-0.012	99	24842	1.00	1.08	
13 Vinyl chloride	62	5.076	5.076	0.000	96	20755	1.00	1.13	
151 Butadiene	54	5.124	5.124	0.000	91	20272	1.00	1.09	
14 Bromomethane	94	5.681	5.681	0.000	92	12432	1.00	1.07	
15 Chloroethane	64	5.823	5.823	0.000	97	11155	1.00	1.07	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	28823	1.00	1.07	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	98	23722	1.00	1.02	
18 Ethyl ether	59	6.475	6.476	-0.001	94	12252	1.00	1.02	
20 Acrolein	56	6.736	6.725	0.011	78	8762	5.00	4.52	
21 1,1,2-Trichloro-1,2,2-trif	101	6.736	6.748	-0.012	92	14292	1.00	1.12	
22 1,1-Dichloroethene	96	6.808	6.819	-0.011	95	13082	1.00	1.12	
23 Acetone	43	6.891	6.867	0.024	98	25325	5.00	5.33	
25 Iodomethane	142	7.045	7.045	0.000	98	24163	1.00	1.08	
26 Carbon disulfide	76	7.128	7.128	0.000	100	48616	1.00	1.14	M
27 Methyl acetate	43	7.163	7.163	0.000	99	56638	5.00	5.14	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	41	24424	1.00	1.08	
30 Methylene Chloride	84	7.341	7.341	0.000	98	24492	1.00	0.9729	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	94	16040	10.0	10.6	
32 Methyl tert-butyl ether	73	7.507	7.495	0.012	96	35302	1.00	1.03	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	94	14895	1.00	1.12	
33 Acrylonitrile	53	7.590	7.578	0.012	97	55599	10.0	10.3	
35 Hexane	57	7.709	7.709	0.000	93	20148	1.00	1.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	47879	2.00	1.82	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	96	28959	1.00	1.10	
43 2-Butanone (MEK)	43	8.432	8.420	0.012	98	34866	5.00	5.19	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	82	18360	1.00	1.08	
45 cis-1,2-Dichloroethene	96	8.468	8.456	0.012	86	14892	1.00	1.02	
48 Chlorobromomethane	128	8.693	8.693	0.000	92	8591	1.00	1.11	
50 Chloroform	83	8.693	8.693	0.000	95	26584	1.00	1.09	
49 Tetrahydrofuran	42	8.705	8.693	0.012	57	8386	2.00	1.93	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	22245	1.00	1.09	
52 Cyclohexane	56	8.906	8.907	0.000	90	24540	1.00	1.02	
53 Isobutyl alcohol	43	8.954	8.942	0.012	93	21196	25.0	28.0	M
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	17133	1.00	1.04	
55 Carbon tetrachloride	117	9.001	9.001	0.000	95	21143	1.00	1.13	
57 Benzene	78	9.179	9.179	0.000	97	55817	1.00	1.09	
59 n-Heptane	43	9.191	9.191	0.000	89	21165	1.00	1.12	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	22749	1.00	1.08	
62 Trichloroethene	95	9.654	9.654	0.000	95	14599	1.00	1.08	
64 Methylcyclohexane	83	9.784	9.784	0.000	95	17118	1.00	0.99	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	90	15176	1.00	1.09	
66 1,4-Dioxane	88	9.926	9.926	0.000	23	599	20.0	18.4	M
67 Dibromomethane	93	9.997	9.997	0.000	94	8956	1.00	1.03	
68 Dichlorobromomethane	83	10.057	10.057	0.000	95	17953	1.00	1.03	
69 2-Chloroethyl vinyl ether	63	10.187	10.175	0.012	84	5835	1.00	0.8303	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	17718	1.00	0.9489	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	-0.001	98	63314	5.00	4.57	
74 Toluene	92	10.638	10.638	0.000	97	33658	1.00	1.05	
75 Ethyl methacrylate	69	10.709	10.709	0.000	91	10023	1.00	0.7673	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	17076	1.00	0.9468	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	93	10224	1.00	1.02	
80 2-Hexanone	43	11.053	11.053	0.000	98	42506	5.00	4.51	
81 Tetrachloroethene	166	11.088	11.088	0.000	96	16976	1.00	1.06	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	95	20915	1.00	1.03	
83 Chlorodibromomethane	129	11.337	11.338	-0.001	91	13116	1.00	0.9359	
84 Ethylene Dibromide	107	11.468	11.468	0.000	96	12444	1.00	1.01	
88 Ethylbenzene	91	11.800	11.800	0.000	95	59537	1.00	1.00	
87 Chlorobenzene	112	11.800	11.800	0.000	86	40618	1.00	1.07	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	91	14091	1.00	0.9879	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	20890	1.00	0.9218	
91 o-Xylene	106	12.227	12.227	0.000	97	20484	1.00	0.9364	
92 Styrene	104	12.239	12.239	0.000	96	29575	1.00	0.8623	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	49584	1.00	0.9564	
95 Bromoform	173	12.523	12.523	0.000	91	8537	1.00	1.02	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	93	15349	1.00	1.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	12	4845	1.00	0.9733	
99 N-Propylbenzene	91	12.844	12.844	0.000	97	64364	1.00	1.00	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	4105	1.00	0.9205	
101 Bromobenzene	156	12.903	12.903	0.000	90	18552	1.00	1.12	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	40705	1.00	0.9139	
103 2-Chlorotoluene	126	13.010	13.021	-0.011	96	13729	1.00	0.99	
105 4-Chlorotoluene	126	13.104	13.104	0.000	97	14124	1.00	1.00	
106 tert-Butylbenzene	134	13.294	13.294	0.000	94	8837	1.00	0.9106	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	94	41039	1.00	0.9112	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	50896	1.00	0.9156	
110 4-Isopropyltoluene	119	13.579	13.591	-0.012	96	42131	1.00	0.8961	
111 1,3-Dichlorobenzene	146	13.721	13.721	0.000	98	33237	1.00	1.06	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	95	35343	1.00	1.09	
115 n-Butylbenzene	91	13.994	13.994	0.000	97	41354	1.00	0.9792	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	97	32463	1.00	1.08	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.109	0.000	74	2752	1.00	1.06	
119 1,2,4-Trichlorobenzene	180	16.140	16.128	0.012	93	17897	1.00	0.9688	
120 Hexachlorobutadiene	225	16.223	16.235	-0.012	90	7954	1.00	0.9800	
121 Naphthalene	128	16.579	16.567	0.012	97	33189	1.00	0.8601	
122 1,2,3-Trichlorobenzene	180	16.947	16.935	0.012	96	18545	1.00	1.01	
S 123 Total BTEX	1				0			4.99	
S 124 Xylenes, Total	1				0			1.86	
S 125 1,2-Dichloroethene, Total	1				0			2.15	
S 126 1,3-Dichloropropene, Total	1				0			1.90	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	1.00	Units: uL	
GAS CORP mix_00156	Amount Added:	1.00	Units: uL	
C_8260_IS_00076	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added:	1.00	Units: uL	Run Reagent

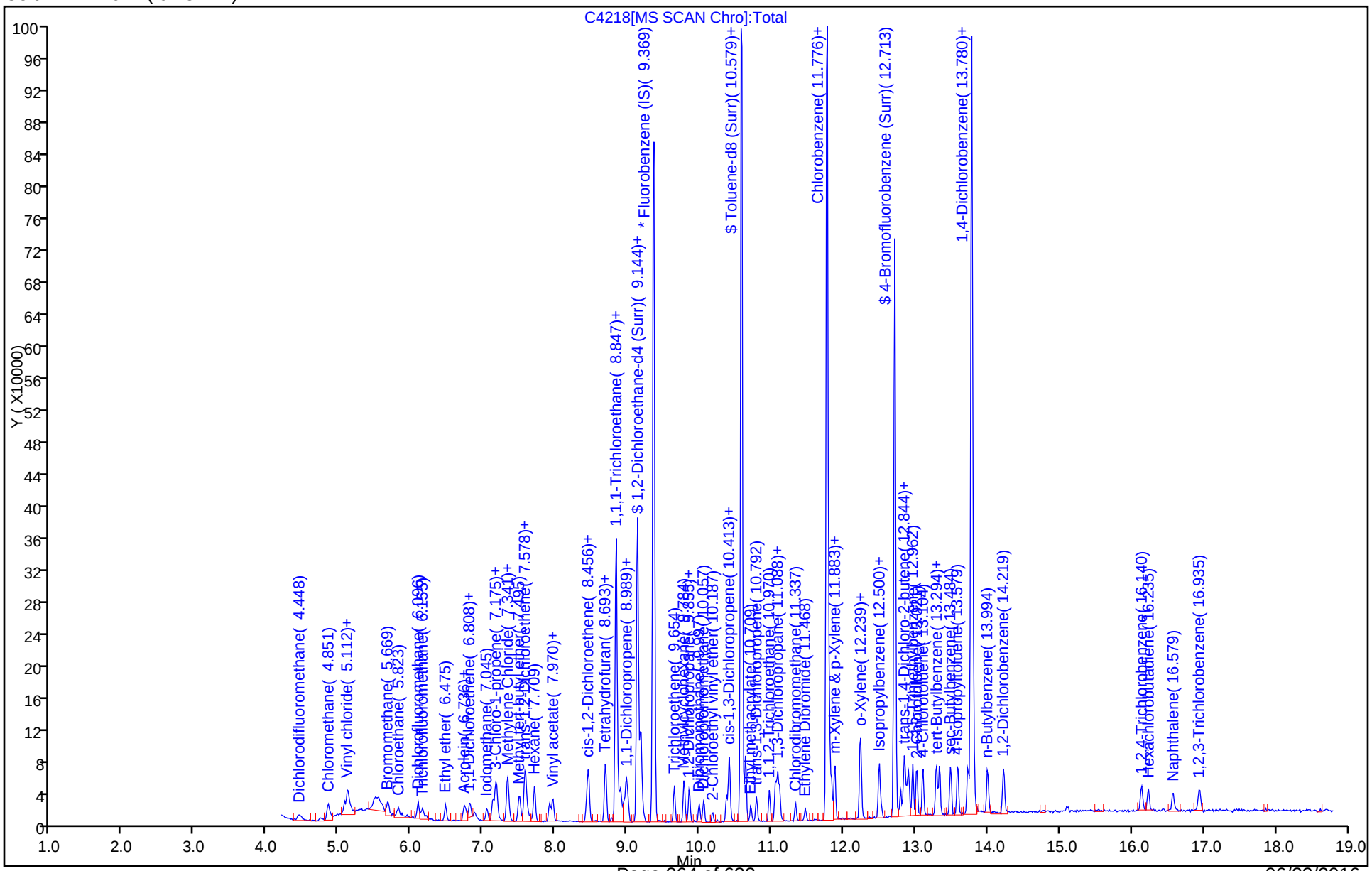
Report Date: 25-May-2016 19:45:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4218.D

Injection Date:	25-May-2016 14:11:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	62
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

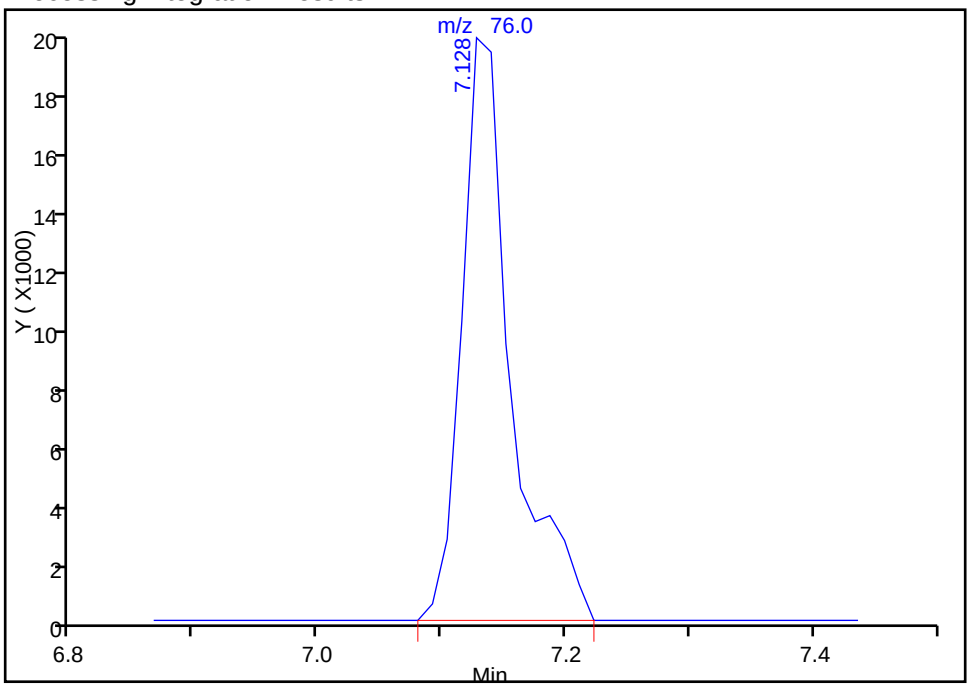
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4218.D
Injection Date: 25-May-2016 14:11:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 62 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

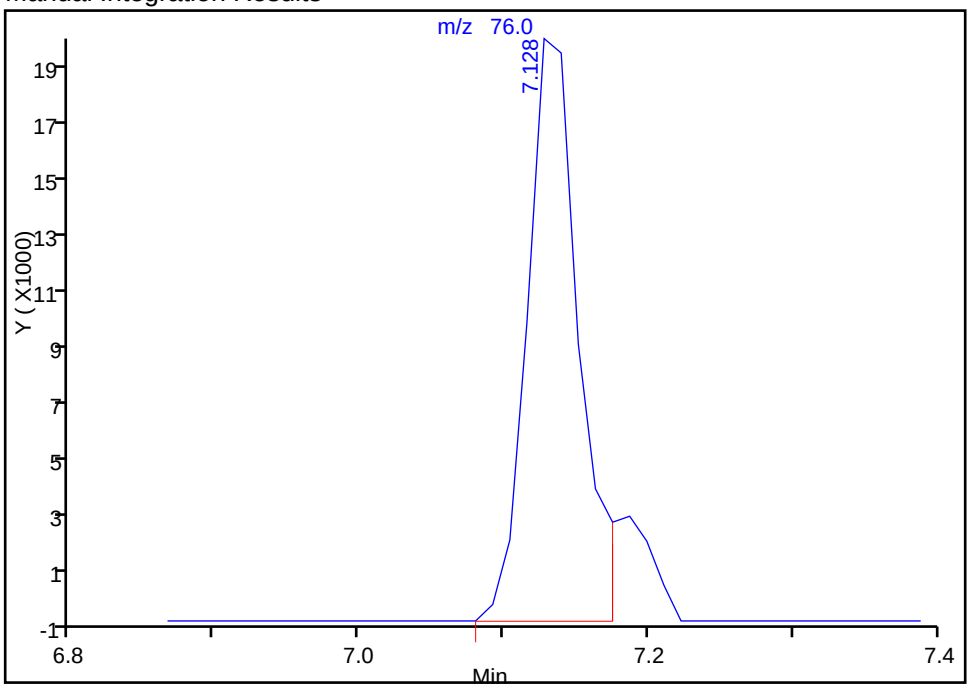
Processing Integration Results

RT: 7.13
Area: 53755
Amount: 1.219129
Amount Units: ug/L



Manual Integration Results

RT: 7.13
Area: 48616
Amount: 1.135508
Amount Units: ug/L



Reviewer: HillL, 25-May-2016 19:14:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

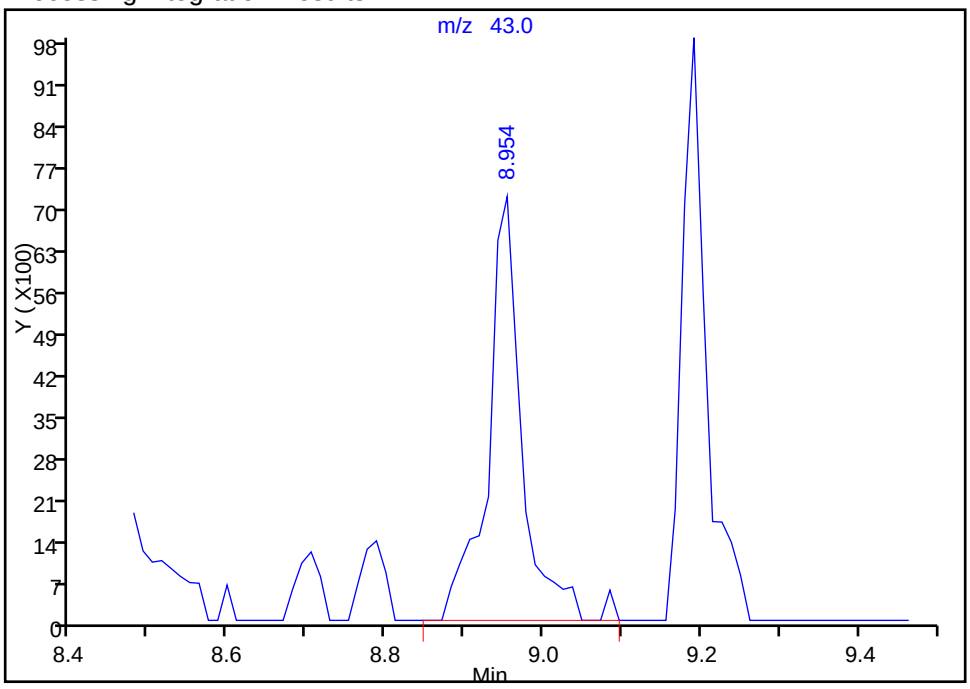
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4218.D
Injection Date: 25-May-2016 14:11:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 62 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

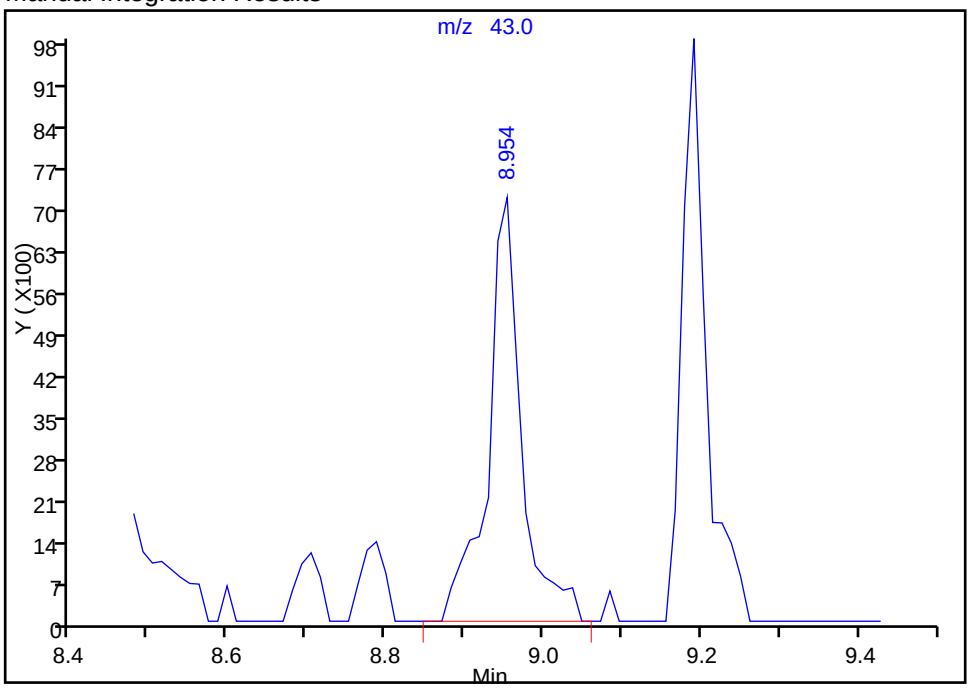
Processing Integration Results

RT: 8.95
Area: 21559
Amount: 28.731943
Amount Units: ug/L



Manual Integration Results

RT: 8.95
Area: 21196
Amount: 28.022275
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:25:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

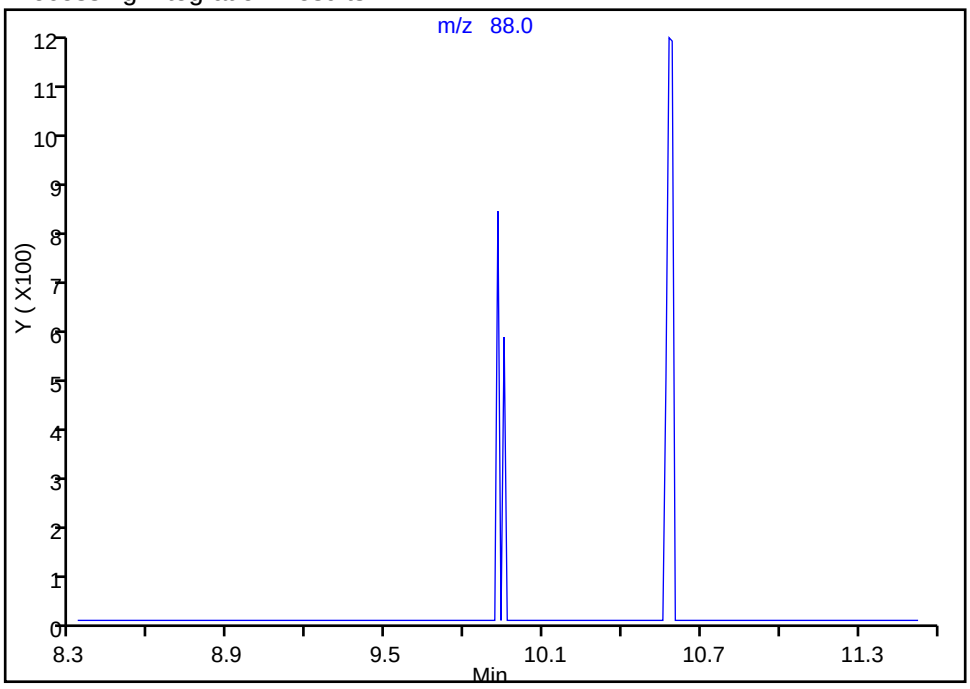
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4218.D
Injection Date: 25-May-2016 14:11:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 62 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

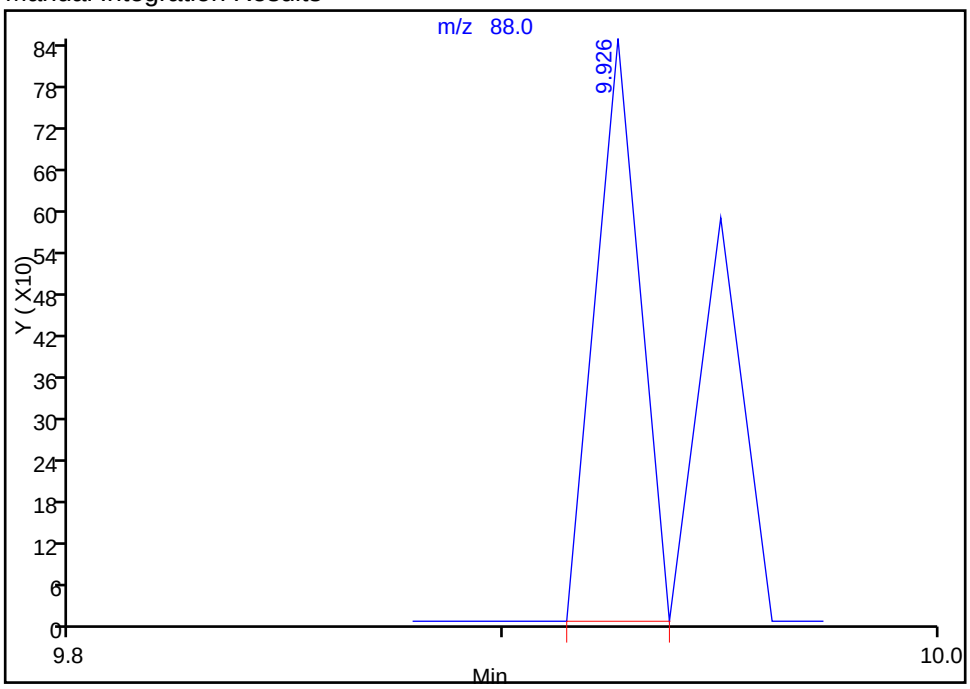
Not Detected
Expected RT: 9.93

Processing Integration Results



Manual Integration Results

RT: 9.93
Area: 599
Amount: 18.351274
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:24:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

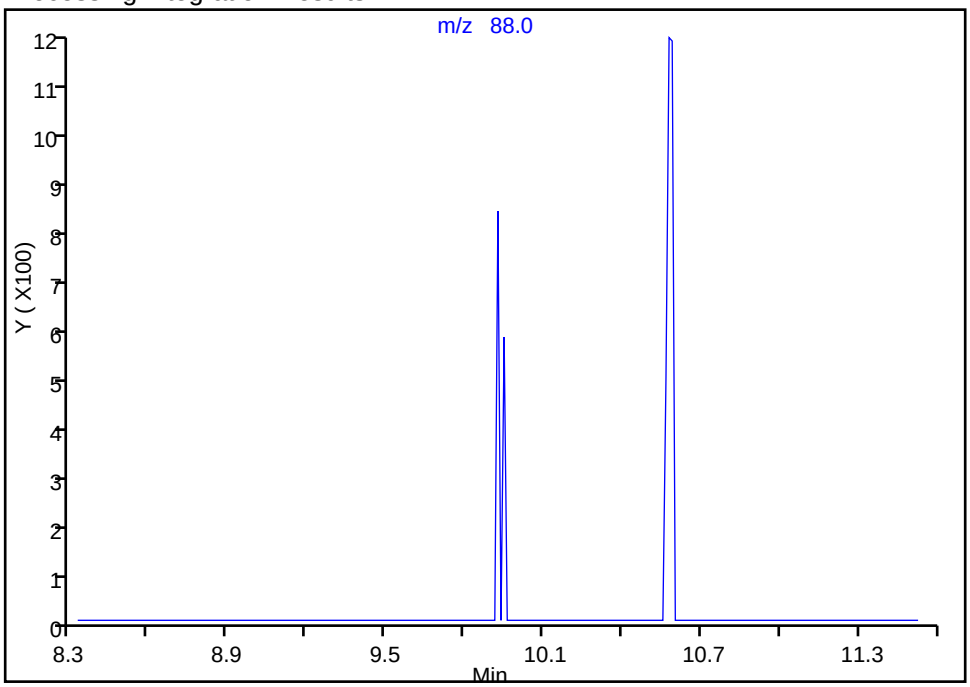
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4218.D
Injection Date: 25-May-2016 14:11:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 62 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

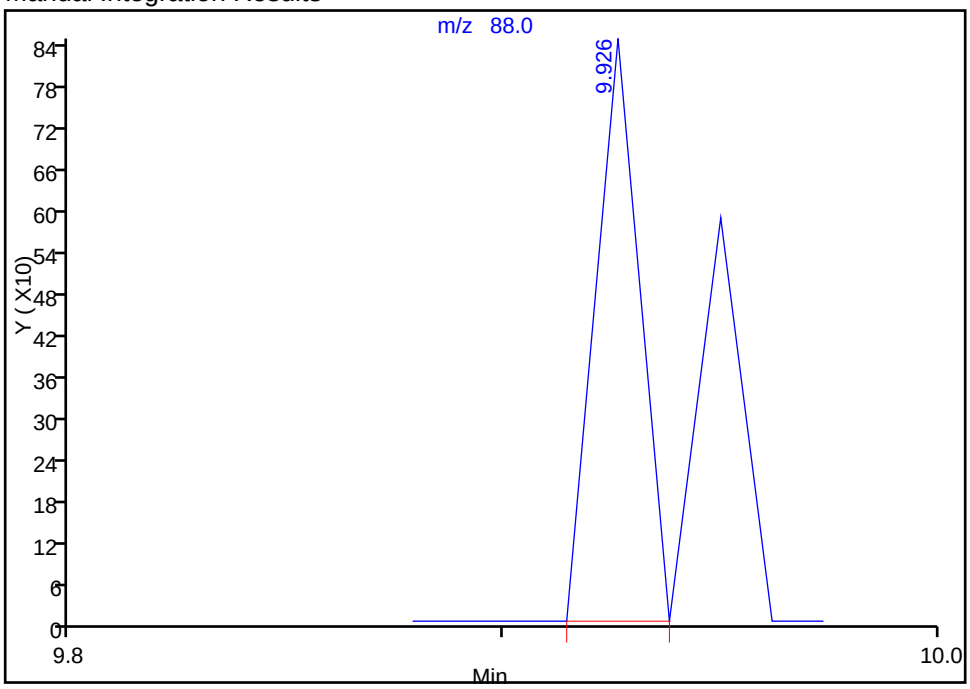
Not Detected
Expected RT: 9.93

Processing Integration Results



Manual Integration Results

RT: 9.93
Area: 599
Amount: 18.351274
Amount Units: ug/L



Reviewer: HillL, 25-May-2016 19:10:48
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

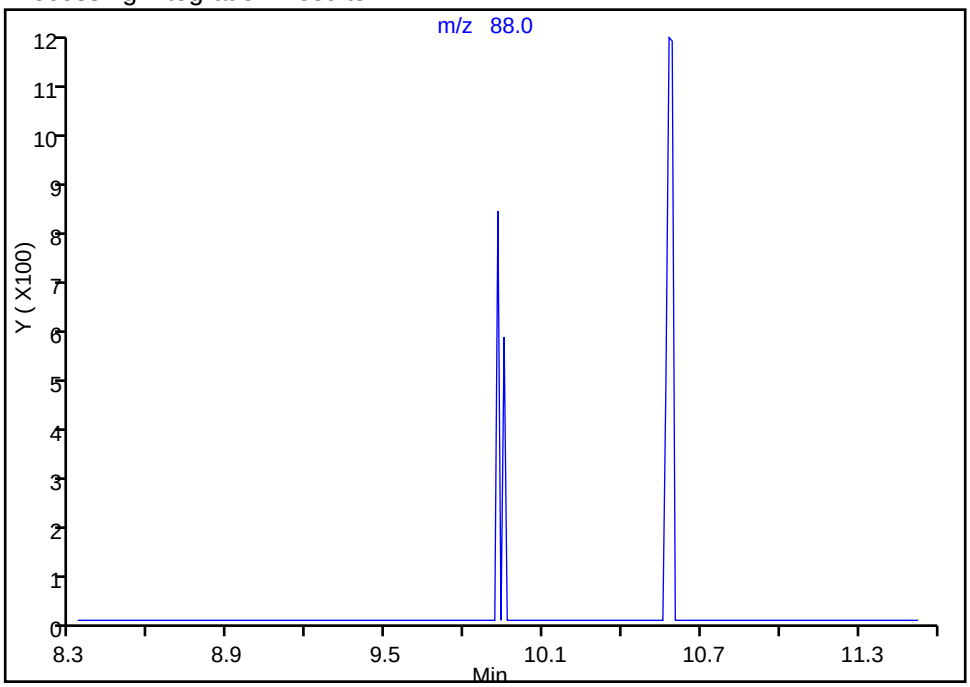
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4218.D
Injection Date: 25-May-2016 14:11:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: gtg ALS Bottle#: 62 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

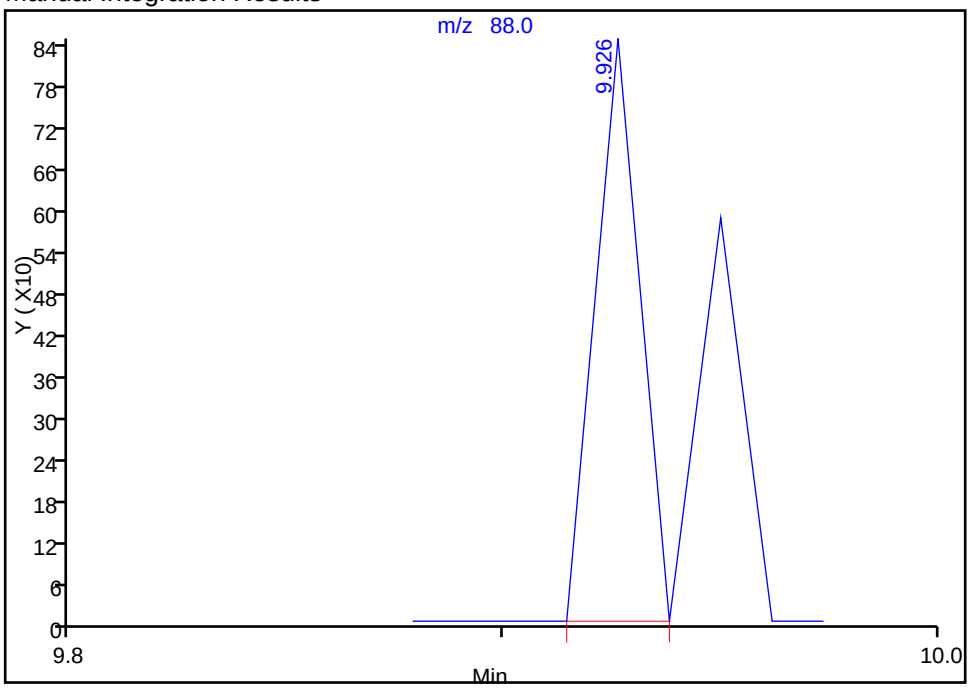
Not Detected
Expected RT: 9.93

Processing Integration Results



Manual Integration Results

RT: 9.93
Area: 599
Amount: 18.351274
Amount Units: ug/L



Reviewer: HillL, 25-May-2016 19:10:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4219.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-May-2016 14:37:30 ALS Bottle#: 63 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0053523-007
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:39 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: goliszekg Date: 25-May-2016 16:12:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	156160	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	89	320052	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	96	327202	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	215802	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	133404	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.590	10.579	0.011	94	716835	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	93	242922	25.0	24.9	
10 Dichlorodifluoromethane	85	4.460	4.448	0.012	98	35101	2.00	2.10	
12 Chloromethane	50	4.851	4.851	0.000	99	49396	2.00	2.10	
13 Vinyl chloride	62	5.088	5.076	0.012	98	40247	2.00	2.15	
151 Butadiene	54	5.124	5.124	0.000	92	41116	2.00	2.17	
14 Bromomethane	94	5.681	5.681	0.000	91	26062	2.00	2.19	
15 Chloroethane	64	5.823	5.823	0.000	98	22210	2.00	2.08	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	60436	2.00	2.20	
17 Trichlorofluoromethane	101	6.167	6.155	0.012	99	50209	2.00	2.11	
18 Ethyl ether	59	6.476	6.476	0.000	96	25290	2.00	2.06	
20 Acrolein	56	6.736	6.725	0.011	98	18755	10.0	9.45	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	91	25762	2.00	1.98	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	95	25805	2.00	2.15	
23 Acetone	43	6.891	6.867	0.024	99	51144	10.0	10.5	
25 Iodomethane	142	7.057	7.045	0.012	99	49624	2.00	2.16	
26 Carbon disulfide	76	7.140	7.128	0.012	100	89991	2.00	2.05	M
27 Methyl acetate	43	7.175	7.163	0.012	100	111923	10.0	9.91	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	80	47261	2.00	2.04	
30 Methylene Chloride	84	7.341	7.341	0.000	98	36857	2.00	1.88	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	63	31036	20.0	20.1	
32 Methyl tert-butyl ether	73	7.507	7.495	0.012	98	67242	2.00	1.92	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	95	28498	2.00	2.10	
33 Acrylonitrile	53	7.590	7.578	0.012	99	105832	20.0	19.2	
35 Hexane	57	7.709	7.709	0.000	93	36335	2.00	1.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	97	98108	4.00	3.64	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	56400	2.00	2.10	
43 2-Butanone (MEK)	43	8.432	8.420	0.012	98	68124	10.0	9.89	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	91	36191	2.00	2.07	
45 cis-1,2-Dichloroethene	96	8.468	8.456	0.012	89	29591	2.00	1.98	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	16007	2.00	2.03	
50 Chloroform	83	8.705	8.693	0.012	95	50830	2.00	2.03	
49 Tetrahydrofuran	42	8.705	8.693	0.012	55	18044	4.00	4.06	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	44645	2.00	2.14	
52 Cyclohexane	56	8.907	8.907	0.001	93	48482	2.00	1.97	
53 Isobutyl alcohol	43	8.954	8.942	0.012	92	39468	50.0	50.9	M
54 1,1-Dichloropropene	75	8.978	8.978	0.000	95	34393	2.00	2.03	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	40307	2.00	2.09	
57 Benzene	78	9.179	9.179	0.000	95	110119	2.00	2.10	
59 n-Heptane	43	9.191	9.191	0.000	93	38422	2.00	1.98	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	44410	2.00	2.06	
62 Trichloroethene	95	9.654	9.654	0.000	94	29474	2.00	2.13	
64 Methylcyclohexane	83	9.784	9.784	0.000	97	33377	2.00	1.89	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	90	28535	2.00	2.00	
66 1,4-Dioxane	88	9.926	9.926	0.000	0	2982	40.0	38.4	M
67 Dibromomethane	93	9.998	9.997	0.001	93	18168	2.00	2.03	
68 Dichlorobromomethane	83	10.057	10.057	0.000	98	36662	2.00	2.05	
69 2-Chloroethyl vinyl ether	63	10.187	10.175	0.012	93	12147	2.00	1.69	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	95	36124	2.00	1.89	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	97	130888	10.0	9.52	
74 Toluene	92	10.638	10.638	0.000	97	65512	2.00	2.05	
75 Ethyl methacrylate	69	10.709	10.709	0.000	92	22902	2.00	1.77	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	33255	2.00	1.86	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	21033	2.00	2.11	
80 2-Hexanone	43	11.053	11.053	0.000	99	86296	10.0	9.23	
81 Tetrachloroethene	166	11.089	11.088	0.001	96	32788	2.00	2.05	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	96	41084	2.00	2.04	
83 Chlorodibromomethane	129	11.338	11.338	0.000	90	28553	2.00	2.05	
84 Ethylene Dibromide	107	11.468	11.468	0.000	99	24257	2.00	1.97	
88 Ethylbenzene	91	11.800	11.800	0.000	96	114334	2.00	1.93	
87 Chlorobenzene	112	11.800	11.800	0.000	88	76941	2.00	2.05	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	91	30678	2.00	2.17	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	43683	2.00	1.94	
91 o-Xylene	106	12.227	12.227	0.000	97	40798	2.00	1.88	
92 Styrene	104	12.239	12.239	0.000	93	60376	2.00	1.77	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	102494	2.00	1.92	
95 Bromoform	173	12.523	12.523	0.000	94	15884	2.00	1.90	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	31415	2.00	2.11	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	72	9068	2.00	1.76	
99 N-Propylbenzene	91	12.844	12.844	0.000	98	129315	2.00	1.94	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	10073	2.00	2.19	
101 Bromobenzene	156	12.903	12.903	0.000	89	35768	2.00	2.09	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	86840	2.00	1.89	
103 2-Chlorotoluene	126	13.021	13.021	0.000	97	28953	2.00	2.02	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	28296	2.00	1.95	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	18793	2.00	1.88	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	96	88452	2.00	1.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	110541	2.00	1.93	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	87309	2.00	1.80	
111 1,3-Dichlorobenzene	146	13.733	13.721	0.012	96	66220	2.00	2.05	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	94	69856	2.00	2.09	
115 n-Butylbenzene	91	13.994	13.994	0.000	96	85097	2.00	1.95	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	64605	2.00	2.07	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.109	0.012	74	5878	2.00	2.20	
119 1,2,4-Trichlorobenzene	180	16.128	16.128	0.000	95	37226	2.00	1.95	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	94	18083	2.00	2.16	
121 Naphthalene	128	16.567	16.567	0.000	98	69354	2.00	1.74	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	36532	2.00	1.93	
S 123 Total BTEX	1				0			9.90	
S 124 Xylenes, Total	1				0			3.82	
S 125 1,2-Dichloroethene, Total	1				0			4.08	
S 126 1,3-Dichloropropene, Total	1				0			3.74	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	2.00	Units: uL	
GAS CORP mix_00156	Amount Added:	2.00	Units: uL	
C_8260_IS_00076	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added:	1.00	Units: uL	Run Reagent

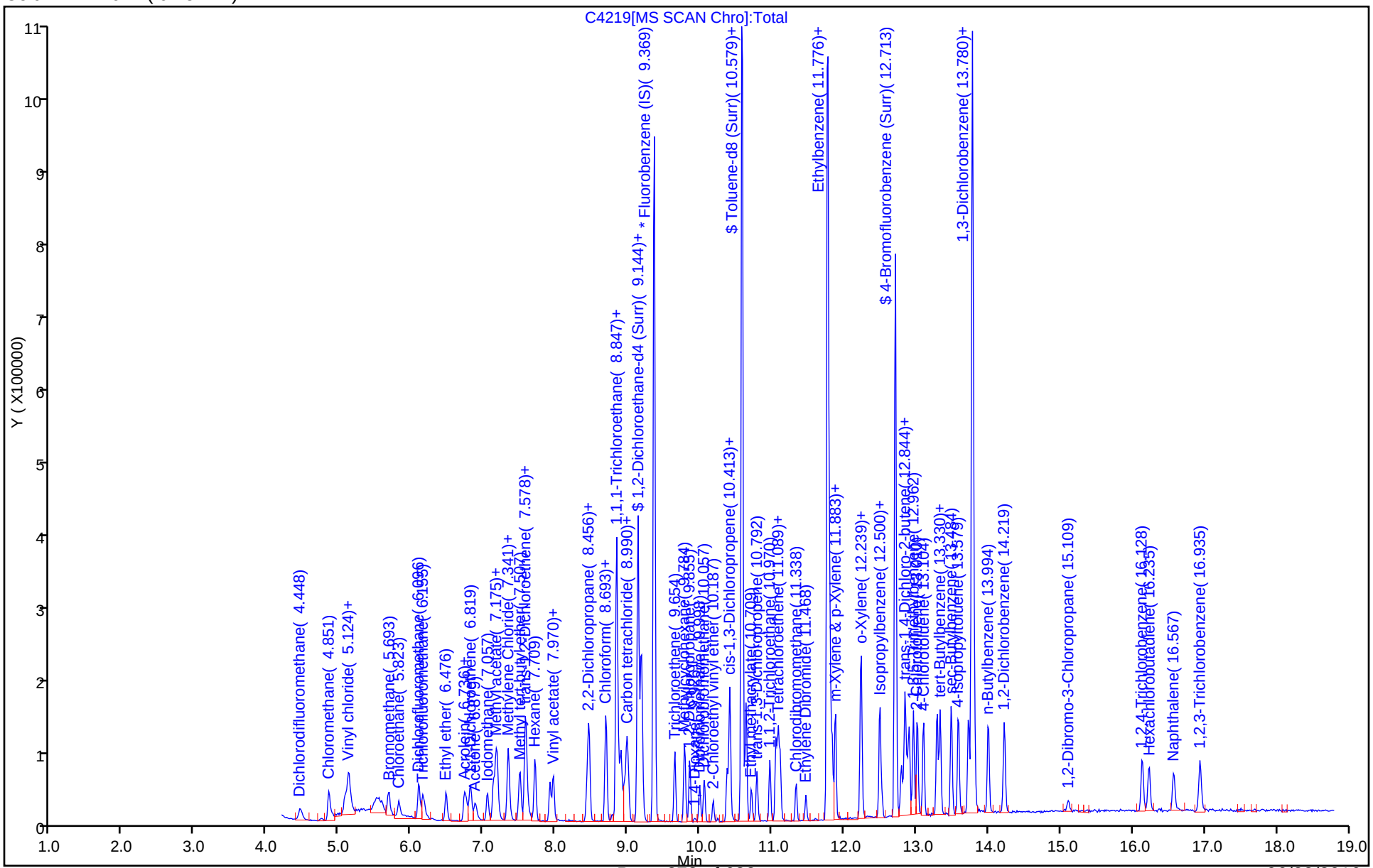
Report Date: 25-May-2016 19:45:41 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4219.D

Injection Date:	25-May-2016 14:37:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	63
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

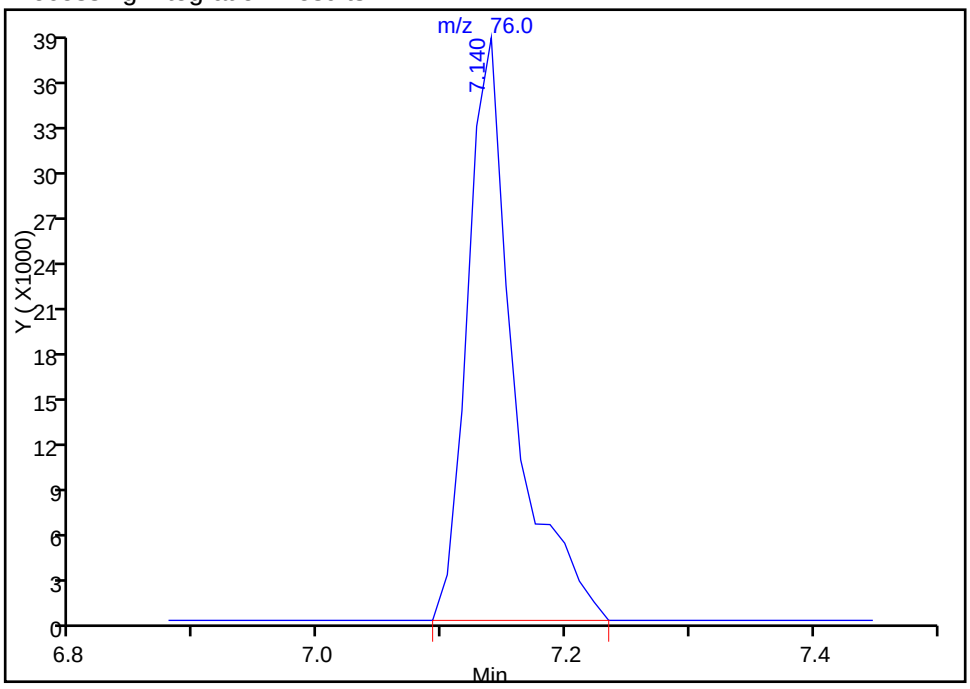
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4219.D
Injection Date: 25-May-2016 14:37:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 63 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

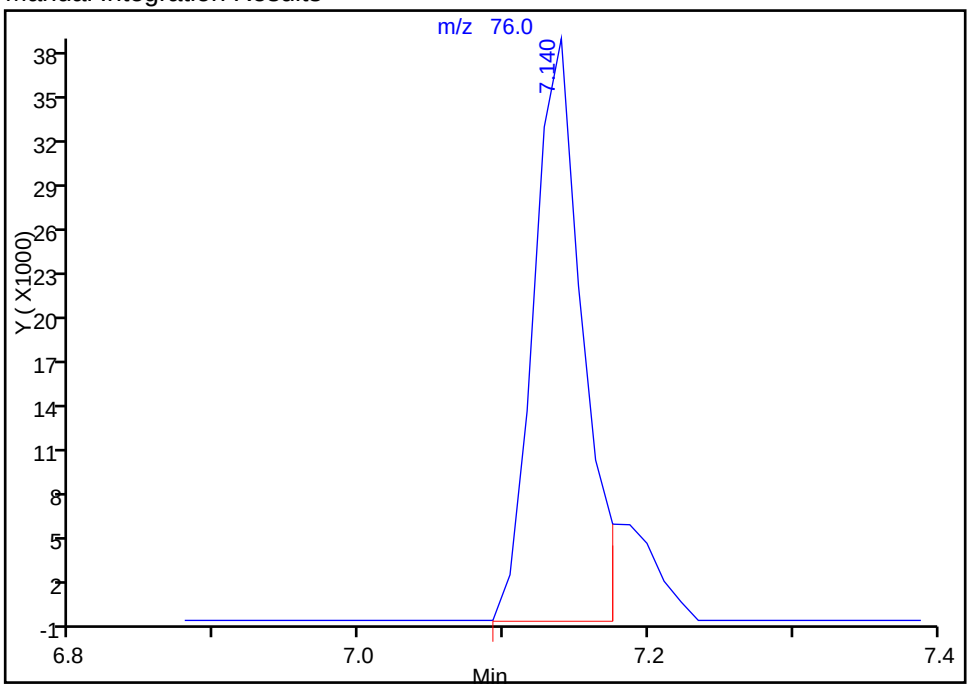
Processing Integration Results

RT: 7.14
Area: 100420
Amount: 2.255943
Amount Units: ug/L



Manual Integration Results

RT: 7.14
Area: 89991
Amount: 2.051698
Amount Units: ug/L



Reviewer: HillL, 25-May-2016 19:15:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

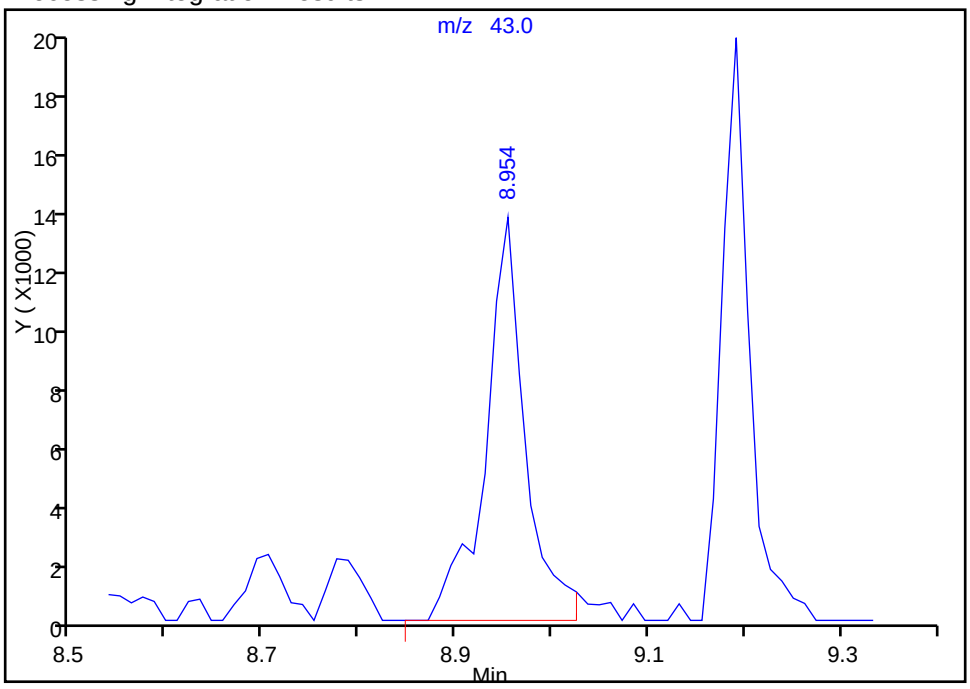
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4219.D
Injection Date: 25-May-2016 14:37:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 63 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

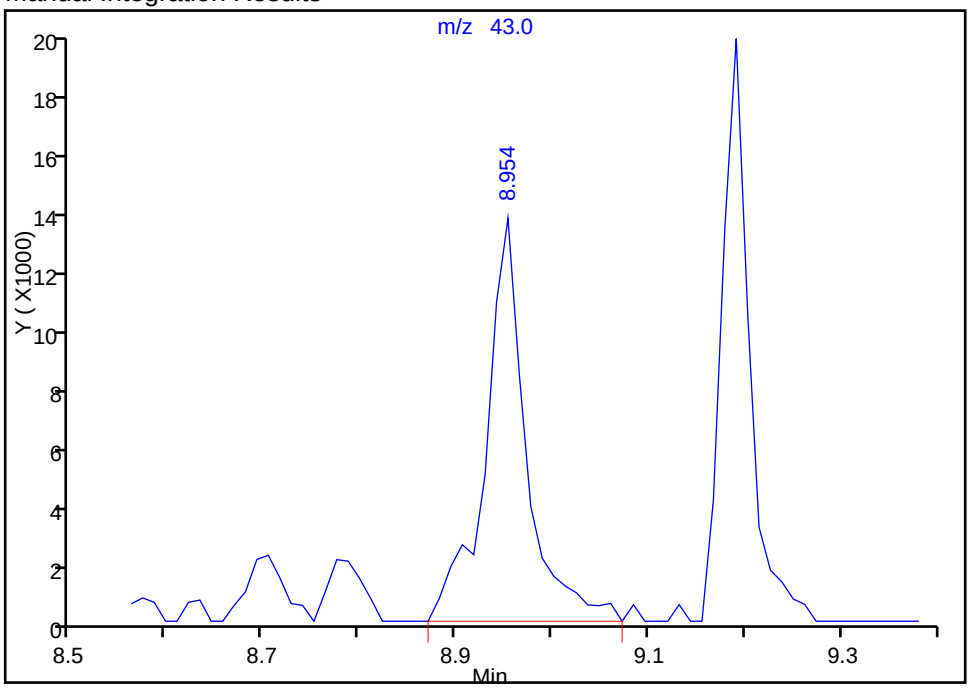
Processing Integration Results

RT: 8.95
Area: 38295
Amount: 50.072195
Amount Units: ug/L



Manual Integration Results

RT: 8.95
Area: 39468
Amount: 50.932865
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:23:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

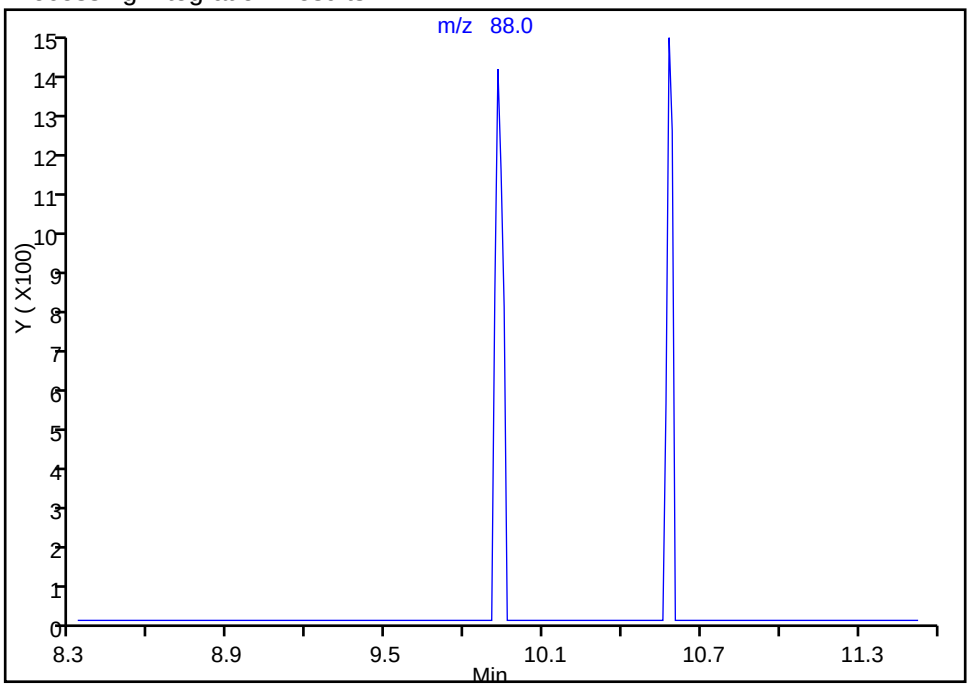
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4219.D
Injection Date: 25-May-2016 14:37:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: gtg ALS Bottle#: 63 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

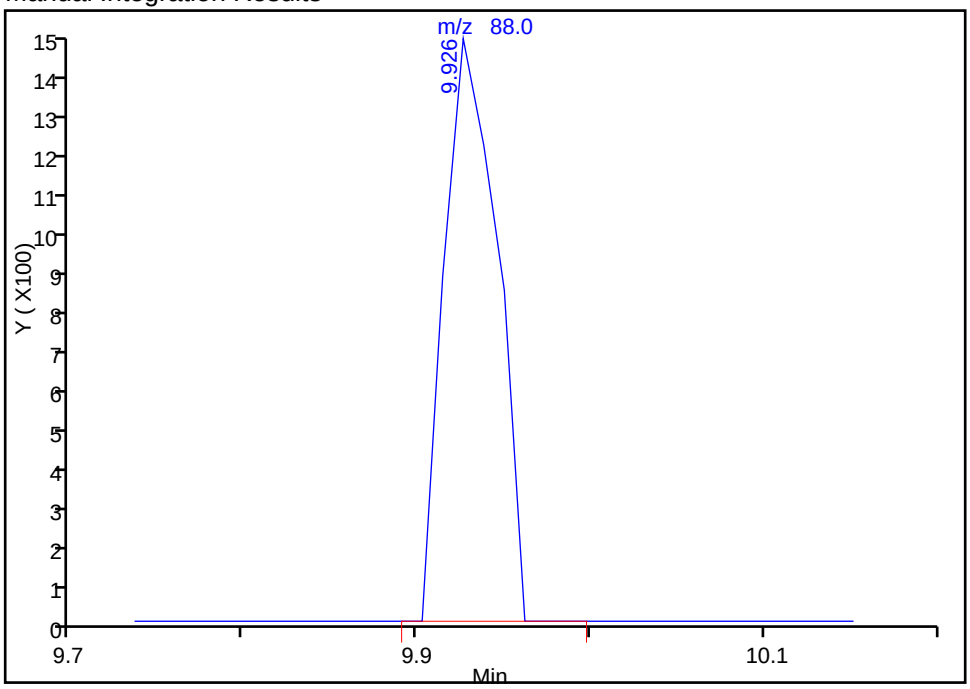
Not Detected
Expected RT: 9.93

Processing Integration Results



Manual Integration Results

RT: 9.93
Area: 2982
Amount: 38.366112
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:23:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4220.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 25-May-2016 15:02:30 ALS Bottle#: 64 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0053523-008
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:44 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: goliszekg Date: 25-May-2016 16:21:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	156621	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	89	323793	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	335982	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	217180	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	134293	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	10.578	10.578	0.000	94	733389	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	93	247643	25.0	25.1	
10 Dichlorodifluoromethane	85	4.459	4.459	0.000	99	86845	5.00	5.18	
12 Chloromethane	50	4.851	4.851	0.000	100	120845	5.00	5.11	
13 Vinyl chloride	62	5.076	5.076	0.000	98	96701	5.00	5.14	
151 Butadiene	54	5.124	5.124	0.000	93	98786	5.00	5.19	
14 Bromomethane	94	5.681	5.681	0.000	92	61153	5.00	5.12	
15 Chloroethane	64	5.823	5.823	0.000	99	57680	5.00	5.39	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	141801	5.00	5.14	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	98	122606	5.00	5.14	
18 Ethyl ether	59	6.475	6.475	0.000	95	61251	5.00	4.98	
20 Acrolein	56	6.736	6.736	0.000	98	46432	25.0	23.3	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	94	67882	5.00	5.19	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	96	61703	5.00	5.12	
23 Acetone	43	6.879	6.879	0.000	98	119630	25.0	24.5	
25 Iodomethane	142	7.056	7.056	0.000	99	117860	5.00	5.10	
26 Carbon disulfide	76	7.139	7.139	0.000	100	221471	5.00	5.03	
27 Methyl acetate	43	7.163	7.163	0.000	100	274100	25.0	24.2	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	80	115658	5.00	4.97	
30 Methylene Chloride	84	7.341	7.341	0.000	99	81105	5.00	5.26	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	95	72603	50.0	46.8	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	98	168246	5.00	4.80	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	95	70031	5.00	5.15	
33 Acrylonitrile	53	7.590	7.590	0.000	99	279229	50.0	50.4	
35 Hexane	57	7.709	7.709	0.000	94	94731	5.00	4.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.922	0.000	98	256309	10.0	9.48	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	135716	5.00	5.04	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	162918	25.0	23.6	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	88645	5.00	5.05	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	72307	5.00	4.83	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	39629	5.00	5.00	
50 Chloroform	83	8.705	8.705	0.000	95	127070	5.00	5.06	
49 Tetrahydrofuran	42	8.705	8.705	0.000	56	42700	10.0	9.57	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	106967	5.00	5.10	
52 Cyclohexane	56	8.906	8.906	0.000	94	126805	5.00	5.13	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	95892	125.0	123.4	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	91	88886	5.00	5.23	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	99030	5.00	5.13	
57 Benzene	78	9.179	9.179	0.000	96	269756	5.00	5.12	
59 n-Heptane	43	9.191	9.191	0.000	91	92994	5.00	4.78	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	95	110650	5.00	5.12	
62 Trichloroethene	95	9.653	9.653	0.000	95	69649	5.00	5.01	
64 Methylcyclohexane	83	9.784	9.784	0.000	97	89064	5.00	5.03	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	90	72330	5.00	5.06	
66 1,4-Dioxane	88	9.926	9.926	0.000	93	10738	100.0	102.4	
67 Dibromomethane	93	9.997	9.997	0.000	93	44748	5.00	4.99	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	89668	5.00	4.99	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	33068	5.00	4.58	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	93000	5.00	4.85	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	98	331882	25.0	23.8	
74 Toluene	92	10.638	10.638	0.000	97	167620	5.00	5.18	
75 Ethyl methacrylate	69	10.709	10.709	0.000	93	58043	5.00	4.42	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	98	89499	5.00	4.94	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	49768	5.00	4.93	
80 2-Hexanone	43	11.053	11.053	0.000	99	222822	25.0	23.5	
81 Tetrachloroethene	166	11.088	11.088	0.000	95	81776	5.00	5.06	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	96	103861	5.00	5.10	
83 Chlorodibromomethane	129	11.337	11.337	0.000	91	70197	5.00	4.98	
84 Ethylene Dibromide	107	11.468	11.468	0.000	97	61403	5.00	4.94	
88 Ethylbenzene	91	11.800	11.800	0.000	97	294885	5.00	4.93	
87 Chlorobenzene	112	11.800	11.800	0.000	87	192245	5.00	5.05	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	93	71584	5.00	4.99	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	114586	5.00	5.03	
91 o-Xylene	106	12.227	12.227	0.000	92	108245	5.00	4.92	
92 Styrene	104	12.239	12.239	0.000	87	165787	5.00	4.81	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	275021	5.00	5.00	
95 Bromoform	173	12.523	12.523	0.000	94	39005	5.00	4.62	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	75598	5.00	4.94	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	80	24820	5.00	4.70	
99 N-Propylbenzene	91	12.843	12.843	0.000	98	336925	5.00	4.93	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	24479	5.00	5.18	
101 Bromobenzene	156	12.903	12.903	0.000	90	87076	5.00	4.96	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	95	234263	5.00	4.96	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	76709	5.00	5.22	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	75475	5.00	5.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	93	49740	5.00	4.84	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	94	236120	5.00	4.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	296420	5.00	5.03	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	254855	5.00	5.11	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	99	166379	5.00	5.02	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	96	173400	5.00	5.06	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	218738	5.00	4.89	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	157640	5.00	4.93	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	80	13190	5.00	4.80	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	96375	5.00	4.92	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	93	42655	5.00	4.96	
121 Naphthalene	128	16.567	16.567	0.000	97	184704	5.00	4.52	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	94746	5.00	4.88	
S 123 Total BTEX	1				0			25.2	
S 124 Xylenes, Total	1				0			9.95	
S 125 1,2-Dichloroethene, Total	1				0			9.98	
S 126 1,3-Dichloropropene, Total	1				0			9.79	

Reagents:

8260 CORP mix_00074	Amount Added:	5.00	Units: uL	
GAS CORP mix_00156	Amount Added:	5.00	Units: uL	
C_8260_IS_00076	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added:	1.00	Units: uL	Run Reagent

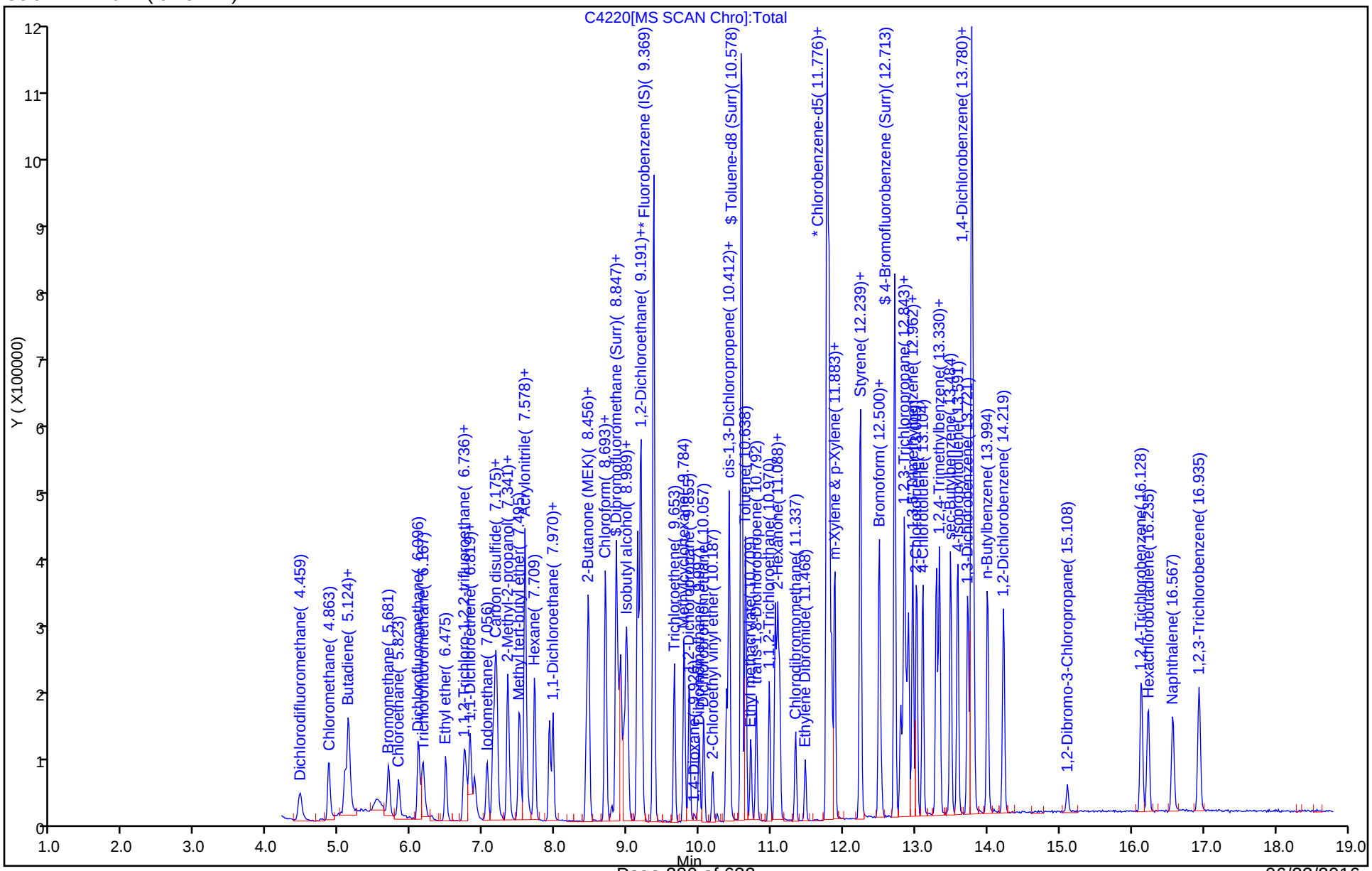
Report Date: 25-May-2016 19:45:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4220.D

Injection Date:	25-May-2016 15:02:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	64
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4221.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-May-2016 15:27:30 ALS Bottle#: 65 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0053523-009
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:48 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: goliszekg Date: 25-May-2016 15:56:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	158935	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	89	325800	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	343497	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	213825	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	134726	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	10.578	10.578	0.000	94	737672	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	92	252035	25.0	25.4	
10 Dichlorodifluoromethane	85	4.459	4.459	0.000	100	169013	10.0	9.93	
12 Chloromethane	50	4.863	4.851	0.012	100	225809	10.0	9.41	
13 Vinyl chloride	62	5.076	5.076	0.000	98	186819	10.0	9.78	
151 Butadiene	54	5.135	5.124	0.011	93	184631	10.0	9.55	
14 Bromomethane	94	5.681	5.681	0.000	92	118296	10.0	9.76	
15 Chloroethane	64	5.823	5.823	0.000	98	107164	10.0	9.86	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	99	273050	10.0	9.76	
17 Trichlorofluoromethane	101	6.167	6.155	0.012	99	242894	10.0	10.0	
18 Ethyl ether	59	6.475	6.475	0.000	96	122455	10.0	9.82	
20 Acrolein	56	6.736	6.736	0.000	99	102733	50.0	50.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	130165	10.0	9.81	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	95	120590	10.0	9.86	
23 Acetone	43	6.879	6.879	0.000	99	240059	50.0	48.4	
25 Iodomethane	142	7.056	7.056	0.000	99	230489	10.0	9.84	
26 Carbon disulfide	76	7.139	7.139	0.000	99	422514	10.0	9.46	
27 Methyl acetate	43	7.163	7.163	0.000	99	577819	50.0	50.3	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	81	228631	10.0	9.69	
30 Methylene Chloride	84	7.341	7.341	0.000	98	147188	10.0	10.2	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	95	149551	100.0	95.1	
32 Methyl tert-butyl ether	73	7.507	7.495	0.012	99	353717	10.0	9.94	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	95	135182	10.0	9.79	
33 Acrylonitrile	53	7.578	7.590	-0.012	99	572680	100.0	101.9	M
35 Hexane	57	7.709	7.709	0.000	95	189329	10.0	9.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.922	0.000	97	554071	20.0	20.2	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	268908	10.0	9.83	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	344009	50.0	49.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	93	172258	10.0	9.68	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	149675	10.0	9.85	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	79107	10.0	9.84	
50 Chloroform	83	8.705	8.705	0.000	96	245946	10.0	9.65	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	58	87793	20.0	19.4	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	212080	10.0	9.97	
52 Cyclohexane	56	8.906	8.906	0.000	95	250488	10.0	9.99	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	183915	250.0	233.2	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	93	176759	10.0	10.2	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	197718	10.0	10.1	
57 Benzene	78	9.179	9.179	0.000	97	533965	10.0	9.99	
59 n-Heptane	43	9.191	9.191	0.000	95	190892	10.0	9.68	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	215812	10.0	9.85	
62 Trichloroethene	95	9.653	9.653	0.000	95	137176	10.0	9.72	
64 Methylcyclohexane	83	9.784	9.784	0.000	97	183593	10.0	10.2	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	93	148735	10.0	10.3	
66 1,4-Dioxane	88	9.926	9.926	0.000	97	22748	200.0	200.7	
67 Dibromomethane	93	9.997	9.997	0.000	95	91103	10.0	10.0	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	180968	10.0	9.93	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	72340	10.0	9.87	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	199744	10.0	10.3	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	98	726390	50.0	51.9	
74 Toluene	92	10.638	10.638	0.000	98	330278	10.0	10.1	
75 Ethyl methacrylate	69	10.709	10.709	0.000	92	132951	10.0	10.1	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	188117	10.0	10.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	102594	10.0	10.1	
80 2-Hexanone	43	11.053	11.053	0.000	98	489494	50.0	51.4	
81 Tetrachloroethene	166	11.088	11.088	0.000	98	159632	10.0	9.81	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	97	206600	10.0	10.1	
83 Chlorodibromomethane	129	11.337	11.337	0.000	90	141436	10.0	9.98	
84 Ethylene Dibromide	107	11.468	11.468	0.000	98	125235	10.0	10.0	
88 Ethylbenzene	91	11.800	11.800	0.000	95	597837	10.0	9.93	
87 Chlorobenzene	112	11.800	11.800	0.000	87	378596	10.0	9.89	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	93	145755	10.0	10.1	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	233562	10.0	10.2	
91 o-Xylene	106	12.227	12.227	0.000	97	232714	10.0	10.5	
92 Styrene	104	12.239	12.239	0.000	93	361433	10.0	10.4	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	569073	10.0	10.1	
95 Bromoform	173	12.523	12.523	0.000	96	83415	10.0	9.83	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	150082	10.0	9.59	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	77	53277	10.0	9.88	
99 N-Propylbenzene	91	12.843	12.843	0.000	99	700837	10.0	10.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	51272	10.0	10.6	
101 Bromobenzene	156	12.903	12.903	0.000	89	178488	10.0	9.95	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	95	492677	10.0	10.2	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	152266	10.0	10.1	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	155052	10.0	10.2	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	104745	10.0	9.96	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	94	515708	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	617456	10.0	10.2	
110 4-Isopropyltoluene	119	13.591	13.591	-0.001	97	527420	10.0	10.4	
111 1,3-Dichlorobenzene	146	13.721	13.733	-0.012	98	334031	10.0	9.85	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	96	350163	10.0	10.0	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	456032	10.0	9.96	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	323651	10.0	9.89	
117 1,2-Dibromo-3-Chloropropan	75	15.097	15.108	-0.011	84	24740	10.0	8.81	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	201906	10.0	10.1	
120 Hexachlorobutadiene	225	16.235	16.223	0.012	97	88589	10.0	10.1	
121 Naphthalene	128	16.567	16.567	0.000	97	415344	10.0	9.93	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	199579	10.0	10.0	
S 123 Total BTEX	1				0			50.8	
S 124 Xylenes, Total	1				0			20.7	
S 125 1,2-Dichloroethene, Total	1				0			19.6	
S 126 1,3-Dichloropropene, Total	1				0			20.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	5.00	Units: uL	
GAS CORP mix_00156	Amount Added:	5.00	Units: uL	
C_8260_IS_00076	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added:	1.00	Units: uL	Run Reagent

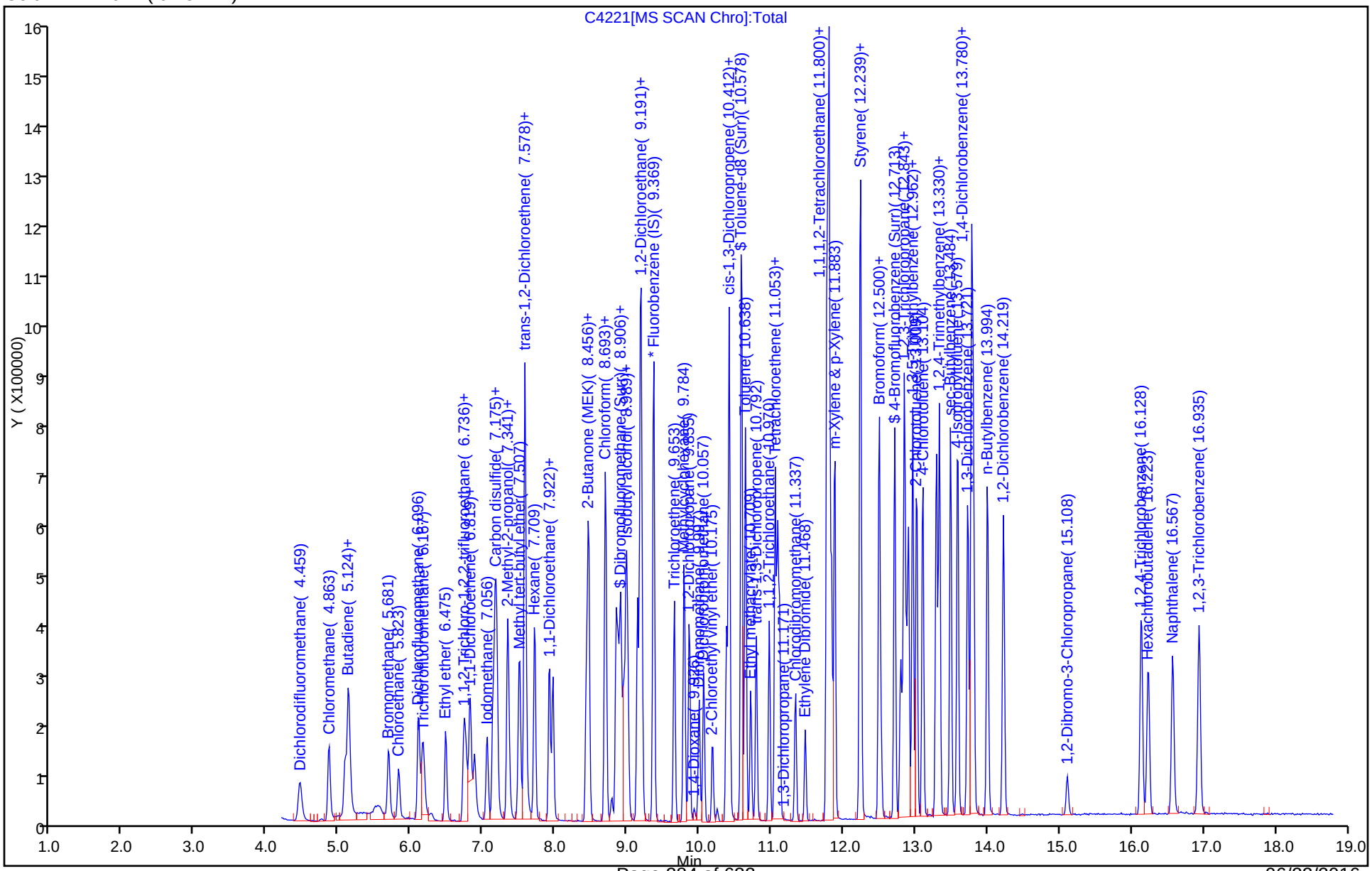
Report Date: 25-May-2016 19:45:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4221.D

Injection Date:	25-May-2016 15:27:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	65
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

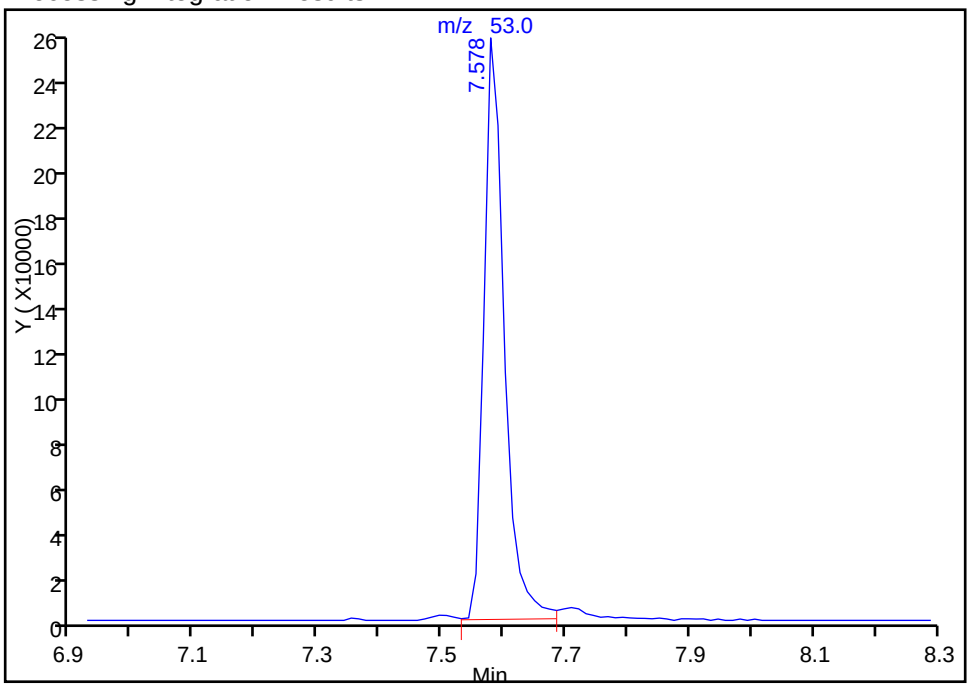
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4221.D
Injection Date: 25-May-2016 15:27:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: gtg ALS Bottle#: 65 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

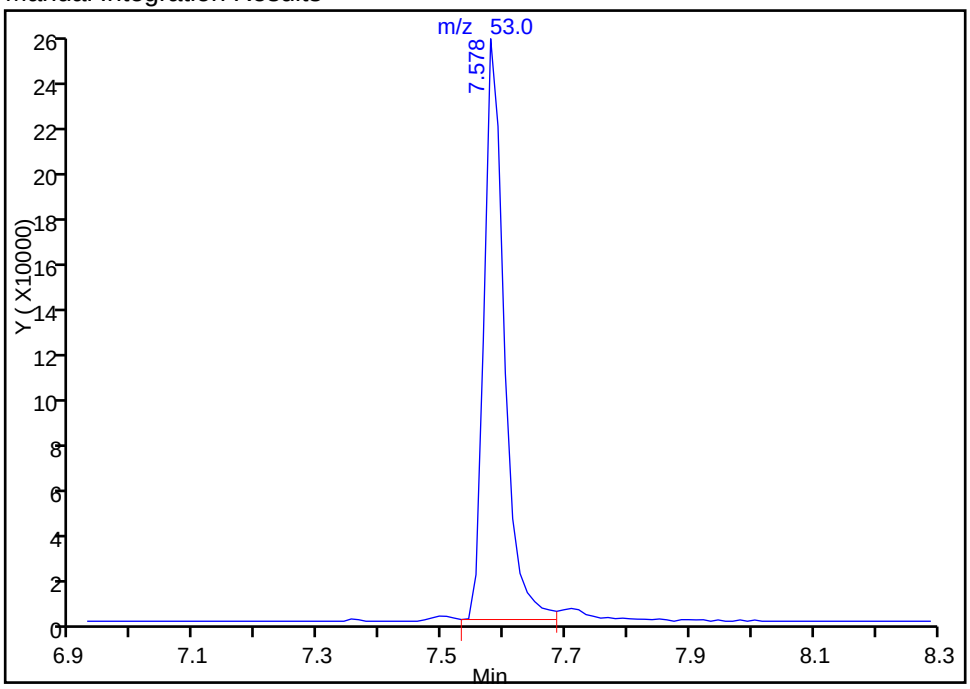
Processing Integration Results

RT: 7.58
Area: 575270
Amount: 102.6595
Amount Units: ug/L



Manual Integration Results

RT: 7.58
Area: 572680
Amount: 101.8528
Amount Units: ug/L



Reviewer: goliszekg, 25-May-2016 16:27:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4222.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 25-May-2016 15:52:30 ALS Bottle#: 66 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0053523-010
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:51 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: goliszekg Date: 25-May-2016 16:17:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	159243	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	89	322691	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	341937	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	94	213816	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	132150	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	10.579	10.579	0.000	94	744983	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	94	251288	25.0	25.5	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	436174	25.0	25.6	
12 Chloromethane	50	4.851	4.851	0.000	100	561413	25.0	23.4	
13 Vinyl chloride	62	5.076	5.076	0.000	99	462095	25.0	24.2	
151 Butadiene	54	5.124	5.124	0.000	92	469049	25.0	24.2	
14 Bromomethane	94	5.681	5.681	0.000	91	287939	25.0	23.7	
15 Chloroethane	64	5.823	5.823	0.000	98	263988	25.0	24.3	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	99	675669	25.0	24.1	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	99	609518	25.0	25.2	
18 Ethyl ether	59	6.476	6.476	0.000	97	311184	25.0	24.9	
20 Acrolein	56	6.725	6.725	0.000	99	267456	125.0	132.1	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	331723	25.0	24.9	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	95	302050	25.0	24.7	
23 Acetone	43	6.867	6.867	0.000	99	610829	125.0	123.0	
25 Iodomethane	142	7.045	7.045	0.000	99	565917	25.0	24.1	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1060247	25.0	23.7	
27 Methyl acetate	43	7.163	7.163	0.000	99	1454775	125.0	126.3	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	89	573902	25.0	24.3	
30 Methylene Chloride	84	7.341	7.341	0.000	98	351583	25.0	25.5	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	96	385918	250.0	244.9	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	99	903581	25.0	25.3	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	95	334063	25.0	24.1	
33 Acrylonitrile	53	7.578	7.578	0.000	98	1445286	250.0	256.6	
35 Hexane	57	7.709	7.709	0.000	94	484674	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	1485346	50.0	54.1	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	647312	25.0	23.6	
43 2-Butanone (MEK)	43	8.420	8.420	0.000	98	889525	125.0	126.7	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	413335	25.0	23.2	
45 cis-1,2-Dichloroethene	96	8.456	8.456	0.000	88	365693	25.0	24.0	
48 Chlorobromomethane	128	8.693	8.693	0.000	91	191844	25.0	23.8	
50 Chloroform	83	8.693	8.693	0.000	97	597707	25.0	23.4	
49 Tetrahydrofuran	42	8.693	8.693	0.000	61	224483	50.0	49.5	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	504048	25.0	23.6	
52 Cyclohexane	56	8.907	8.907	0.000	94	663523	25.0	26.4	
53 Isobutyl alcohol	43	8.942	8.942	0.000	94	495580	625.0	627.2	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	93	439255	25.0	25.4	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	481323	25.0	24.5	
57 Benzene	78	9.179	9.179	0.000	98	1279493	25.0	23.9	
59 n-Heptane	43	9.191	9.191	0.000	94	468236	25.0	23.7	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	516183	25.0	23.5	
62 Trichloroethene	95	9.654	9.654	0.000	95	338655	25.0	24.0	
64 Methylcyclohexane	83	9.784	9.784	0.000	97	479493	25.0	26.6	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	92	357193	25.0	24.6	
66 1,4-Dioxane	88	9.926	9.926	0.000	97	61228	500.0	522.6	
67 Dibromomethane	93	9.997	9.997	0.000	95	221664	25.0	24.3	
68 Dichlorobromomethane	83	10.057	10.057	0.000	98	449210	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	10.175	10.175	0.000	93	196069	25.0	26.7	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	506483	25.0	26.0	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	97	1891000	125.0	136.4	
74 Toluene	92	10.638	10.638	0.000	98	814650	25.0	25.3	
75 Ethyl methacrylate	69	10.709	10.709	0.000	93	358390	25.0	27.4	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	98	474233	25.0	26.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	250290	25.0	24.9	
80 2-Hexanone	43	11.053	11.053	0.000	98	1313867	125.0	139.3	
81 Tetrachloroethene	166	11.088	11.088	0.000	99	392683	25.0	24.4	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	97	506873	25.0	25.0	
83 Chlorodibromomethane	129	11.338	11.338	0.000	90	363049	25.0	25.9	
84 Ethylene Dibromide	107	11.468	11.468	0.000	98	315846	25.0	25.5	
88 Ethylbenzene	91	11.800	11.800	0.000	97	1524313	25.0	25.6	
87 Chlorobenzene	112	11.800	11.800	0.000	87	929485	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	352500	25.0	24.7	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	602063	25.0	26.5	
91 o-Xylene	106	12.227	12.227	0.000	94	597587	25.0	27.3	
92 Styrene	104	12.239	12.239	0.000	93	956616	25.0	27.8	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1485639	25.0	26.6	
95 Bromoform	173	12.523	12.523	0.000	96	216006	25.0	25.7	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	378273	25.0	24.3	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	140560	25.0	26.2	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	1813209	25.0	26.1	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	84	126226	25.0	26.2	
101 Bromobenzene	156	12.903	12.903	0.000	90	439549	25.0	24.6	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	1287517	25.0	26.8	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	372183	25.0	24.9	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	390720	25.0	25.8	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	276947	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	94	1355432	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	1608271	25.0	26.8	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	1407250	25.0	27.7	
111 1,3-Dichlorobenzene	146	13.721	13.721	0.000	98	820872	25.0	24.3	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	99	847438	25.0	24.3	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	1199778	25.0	26.3	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	796485	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.109	0.000	82	64540	25.0	23.1	
119 1,2,4-Trichlorobenzene	180	16.128	16.128	0.000	95	518720	25.0	26.0	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	96	214851	25.0	24.5	
121 Naphthalene	128	16.567	16.567	0.000	97	1161369	25.0	27.9	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	504630	25.0	25.5	

Reagents:

8260 CORP mix_00074	Amount Added: 12.50	Units: uL	
GAS CORP mix_00156	Amount Added: 12.50	Units: uL	
C_8260_IS_00076	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added: 1.00	Units: uL	Run Reagent

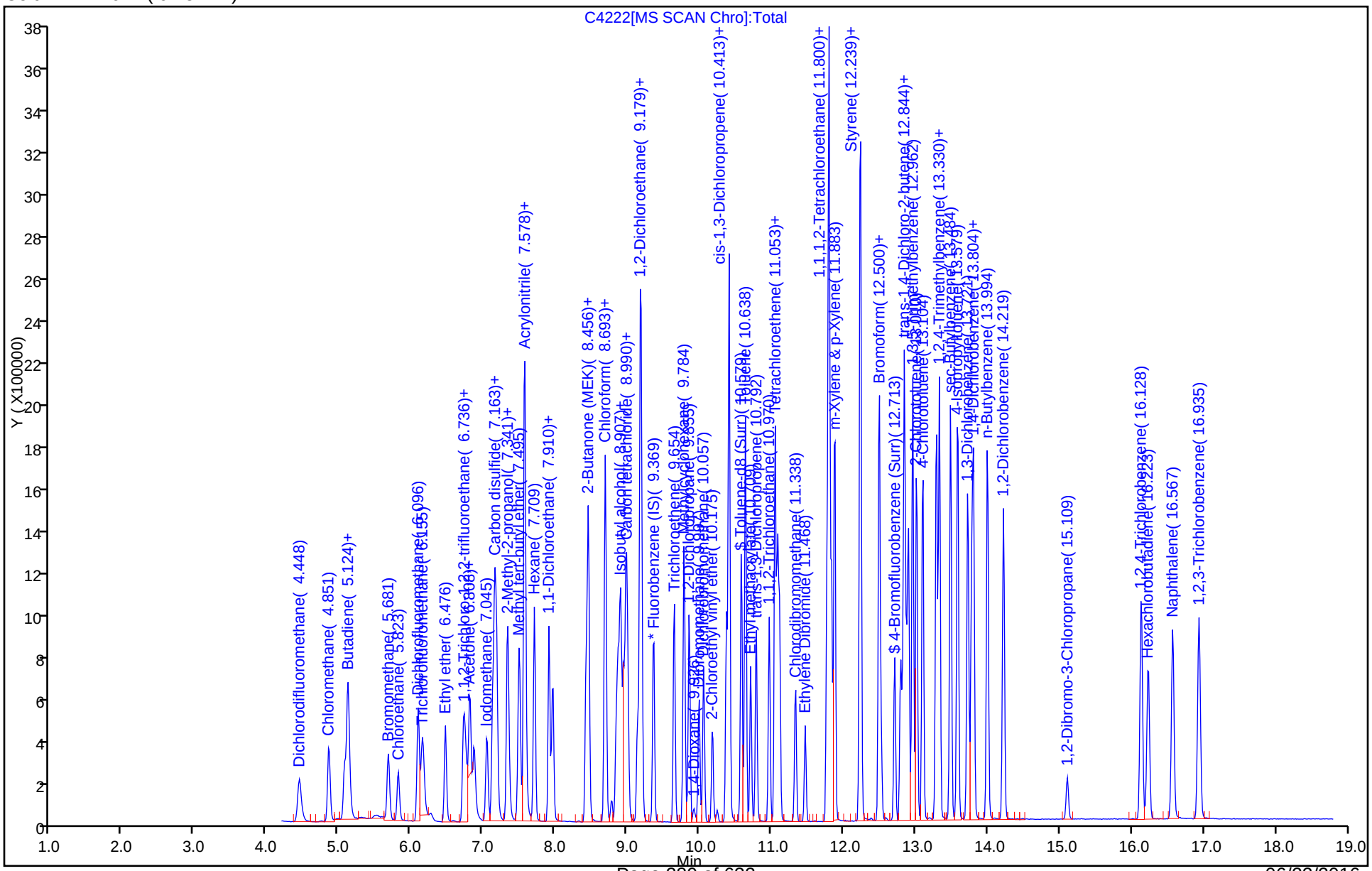
Report Date: 25-May-2016 19:45:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4222.D

Injection Date:	25-May-2016 15:52:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	ICIS 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	66
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4223.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 25-May-2016 16:18:30 ALS Bottle#: 67 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0053523-011
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:54 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: HillL Date: 25-May-2016 19:26:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.357	9.369	-0.012	98	157459	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	90	330768	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	351149	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.835	8.847	-0.012	93	213126	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	136215	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	10.579	10.579	0.000	94	748194	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	94	259387	25.0	25.7	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	837142	50.0	49.6	
12 Chloromethane	50	4.863	4.851	0.012	100	1089006	50.0	45.8	
13 Vinyl chloride	62	5.076	5.076	0.000	99	891936	50.0	47.1	
151 Butadiene	54	5.124	5.124	0.000	91	900948	50.0	47.1	
14 Bromomethane	94	5.681	5.681	0.000	91	572616	50.0	47.7	
15 Chloroethane	64	5.823	5.823	0.000	98	512992	50.0	47.7	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	99	1310788	50.0	47.3	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	100	1165779	50.0	48.7	
18 Ethyl ether	59	6.476	6.476	0.000	97	645749	50.0	52.3	
20 Acrolein	56	6.725	6.725	0.000	99	534388	250.0	267.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	93	628607	50.0	47.8	
22 1,1-Dichloroethene	96	6.808	6.819	-0.011	95	585746	50.0	48.3	
23 Acetone	43	6.867	6.867	0.000	99	1186790	250.0	241.6	
25 Iodomethane	142	7.045	7.045	0.000	99	1137035	50.0	49.0	
26 Carbon disulfide	76	7.128	7.128	0.000	100	2017553	50.0	45.6	
27 Methyl acetate	43	7.152	7.163	-0.011	99	2876638	250.0	252.5	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	81	1144970	50.0	49.0	
30 Methylene Chloride	84	7.329	7.341	-0.012	98	680430	50.0	50.9	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	97	786010	500.0	504.5	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	99	1824389	50.0	51.8	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	96	655402	50.0	47.9	
33 Acrylonitrile	53	7.578	7.578	0.000	98	2854095	500.0	512.4	
35 Hexane	57	7.709	7.709	0.000	95	950218	50.0	49.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	3090977	100.0	113.8	
39 1,1-Dichloroethane	63	7.958	7.970	-0.012	97	1271706	50.0	46.9	
43 2-Butanone (MEK)	43	8.420	8.420	0.000	99	1772929	250.0	255.4	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	93	824690	50.0	46.8	
45 cis-1,2-Dichloroethene	96	8.456	8.456	0.000	87	726116	50.0	48.2	
48 Chlorobromomethane	128	8.681	8.693	-0.012	91	382121	50.0	48.0	
50 Chloroform	83	8.693	8.693	0.000	97	1181992	50.0	46.8	
49 Tetrahydrofuran	42	8.693	8.693	0.000	62	460226	100.0	102.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	99	1005204	50.0	47.7	
52 Cyclohexane	56	8.907	8.907	0.001	94	1310011	50.0	52.7	
53 Isobutyl alcohol	43	8.942	8.942	0.000	95	982749	1250.0	1257.8	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	93	852477	50.0	49.9	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	942718	50.0	48.6	
57 Benzene	78	9.179	9.179	0.000	98	2519483	50.0	47.6	
59 n-Heptane	43	9.191	9.191	0.000	95	938782	50.0	48.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	1014154	50.0	46.7	
62 Trichloroethene	95	9.654	9.654	0.000	96	668808	50.0	47.8	
64 Methylcyclohexane	83	9.784	9.784	0.000	98	963695	50.0	54.2	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	93	708724	50.0	49.4	
66 1,4-Dioxane	88	9.926	9.926	0.000	99	116783	1000.0	960.9	
67 Dibromomethane	93	9.998	9.997	0.001	94	440676	50.0	48.9	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	902204	50.0	50.0	
69 2-Chloroethyl vinyl ether	63	10.175	10.175	0.000	93	420696	50.0	58.0	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	1051848	50.0	54.5	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.413	0.000	97	3842255	250.0	270.3	
74 Toluene	92	10.638	10.638	0.000	97	1613020	50.0	48.8	
75 Ethyl methacrylate	69	10.709	10.709	0.000	92	763286	50.0	56.9	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	976856	50.0	52.8	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	496828	50.0	48.2	
80 2-Hexanone	43	11.053	11.053	0.000	98	2717736	250.0	281.2	
81 Tetrachloroethene	166	11.089	11.088	0.001	99	762794	50.0	46.2	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	97	1005764	50.0	48.3	
83 Chlorodibromomethane	129	11.338	11.338	0.000	90	743633	50.0	51.7	
84 Ethylene Dibromide	107	11.468	11.468	0.000	98	637733	50.0	50.2	
88 Ethylbenzene	91	11.800	11.800	0.000	98	3090081	50.0	50.6	
87 Chlorobenzene	112	11.800	11.800	0.000	87	1843118	50.0	47.4	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	95	720780	50.0	49.2	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	1230526	50.0	52.9	
91 o-Xylene	106	12.227	12.227	0.000	94	1214797	50.0	54.1	
92 Styrene	104	12.239	12.239	0.000	93	2015554	50.0	57.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	3047276	50.0	53.1	
95 Bromoform	173	12.523	12.523	0.000	97	455474	50.0	52.9	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	765741	50.0	47.8	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	84	291916	50.0	52.9	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	3674173	50.0	51.5	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	252942	50.0	51.2	
101 Bromobenzene	156	12.903	12.903	0.000	89	868135	50.0	47.3	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	95	2627807	50.0	53.3	
103 2-Chlorotoluene	126	13.010	13.021	-0.011	96	753935	50.0	49.1	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	790121	50.0	50.7	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	570590	50.0	53.1	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	97	2741937	50.0	54.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	3293560	50.0	53.5	
110 4-Isopropyltoluene	119	13.579	13.591	-0.012	97	2897247	50.0	55.6	
111 1,3-Dichlorobenzene	146	13.721	13.721	0.000	99	1674142	50.0	48.3	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	94	1663234	50.0	46.4	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	2502322	50.0	53.5	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	1607209	50.0	48.1	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.109	0.001	83	133632	50.0	46.6	
119 1,2,4-Trichlorobenzene	180	16.128	16.128	0.000	94	1111044	50.0	54.3	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	97	438042	50.0	48.7	
121 Naphthalene	128	16.567	16.567	0.000	97	2554289	50.0	59.7	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	1055645	50.0	52.0	
S 123 Total BTEX	1				0			253.9	
S 124 Xylenes, Total	1				0			107.0	
S 125 1,2-Dichloroethene, Total	1				0			96.1	
S 126 1,3-Dichloropropene, Total	1				0			107.3	

Reagents:

8260 CORP mix_00074	Amount Added: 25.00	Units: uL		
GAS CORP mix_00156	Amount Added: 25.00	Units: uL		
C_8260_IS_00076	Amount Added: 1.00	Units: uL	Run Reagent	
C_8260_Surr_00082	Amount Added: 1.00	Units: uL	Run Reagent	

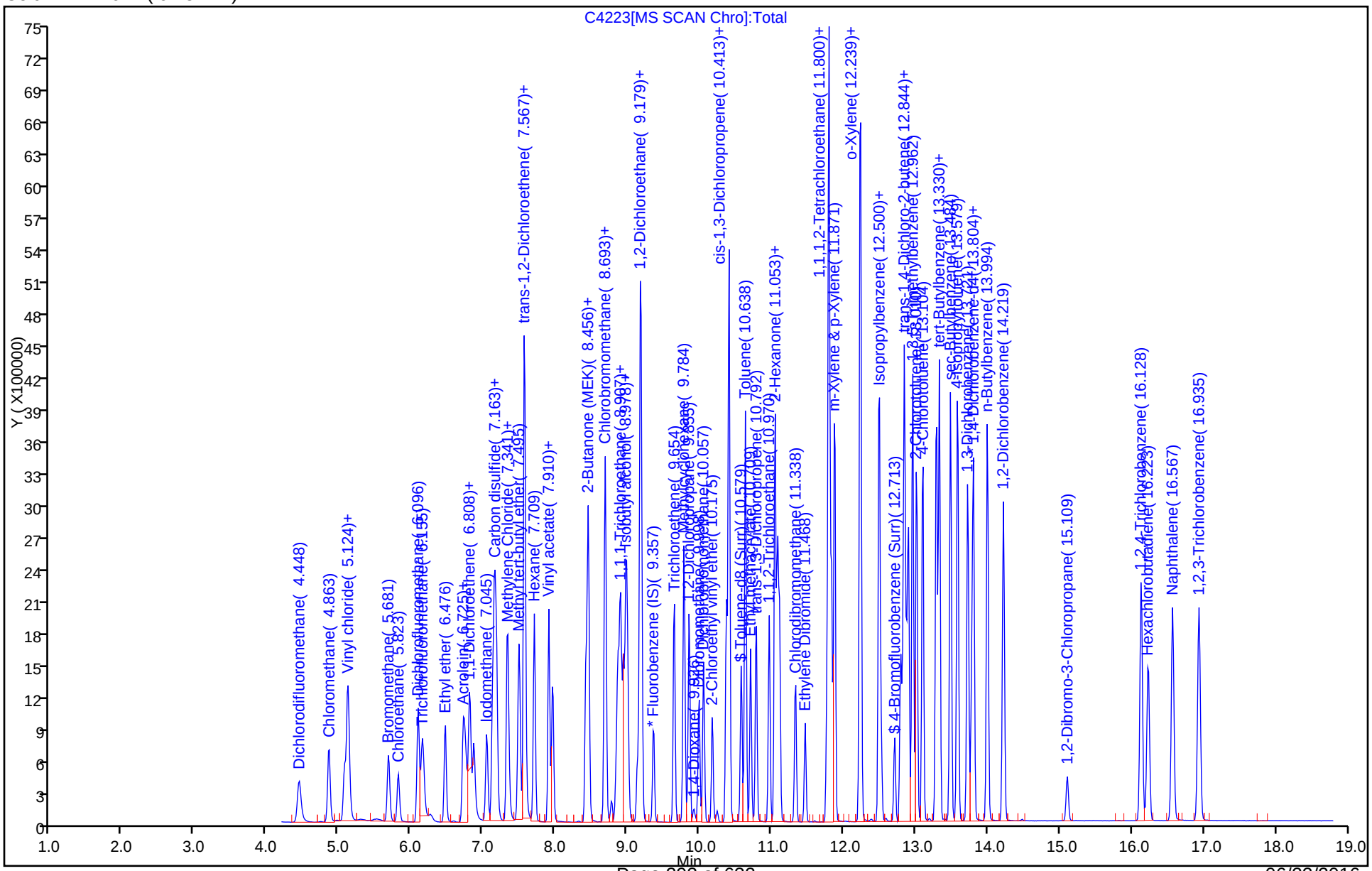
Report Date: 25-May-2016 19:45:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4223.D

Injection Date:	25-May-2016 16:18:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	67
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-May-2016 16:43:30 ALS Bottle#: 68 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0053523-012
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:58 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: HillL Date: 25-May-2016 19:28:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	163814	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	89	339475	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	358721	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	216497	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	131674	25.0	23.6	
$ 5 Toluene-d8 (Surr)	98	10.579	10.579	-0.001	93	757142	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	94	269293	25.0	26.0	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	1742823	100.0	99.3	
12 Chloromethane	50	4.863	4.851	0.012	100	2184324	100.0	88.3	
13 Vinyl chloride	62	5.088	5.076	0.012	99	1827130	100.0	92.8	
151 Butadiene	54	5.124	5.124	0.000	91	1839907	100.0	92.4	
14 Bromomethane	94	5.693	5.681	0.012	91	1155914	100.0	92.5	
15 Chloroethane	64	5.823	5.823	0.000	98	1036641	100.0	92.6	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	99	2651294	100.0	91.9	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	100	2385308	100.0	95.7	
18 Ethyl ether	59	6.475	6.476	-0.001	97	1318995	100.0	102.6	
20 Acrolein	56	6.724	6.725	-0.001	100	1120612	500.0	538.1	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	94	1302170	100.0	95.2	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	96	1204833	100.0	95.6	
23 Acetone	43	6.867	6.867	0.000	99	2392079	500.0	468.1	
25 Iodomethane	142	7.057	7.045	0.012	100	2302466	100.0	95.3	
26 Carbon disulfide	76	7.128	7.128	0.000	100	4205742	100.0	91.4	
27 Methyl acetate	43	7.163	7.163	0.000	99	5787841	500.0	488.4	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	83	2309938	100.0	95.0	
30 Methylene Chloride	84	7.341	7.341	0.000	98	1355951	100.0	98.3	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	1666940	1000.0	1028.3	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	99	3759738	100.0	102.5	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	94	1314055	100.0	92.3	
33 Acrylonitrile	53	7.578	7.578	0.000	99	5795798	1000.0	1000.1	
35 Hexane	57	7.709	7.709	0.000	95	1978820	100.0	98.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	6465201	200.0	228.7	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	2582888	100.0	91.6	
43 2-Butanone (MEK)	43	8.420	8.420	0.000	99	3700216	500.0	512.3	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	93	1653229	100.0	90.1	
45 cis-1,2-Dichloroethene	96	8.456	8.456	0.000	88	1472389	100.0	94.0	
48 Chlorobromomethane	128	8.693	8.693	0.000	95	774585	100.0	93.5	
50 Chloroform	83	8.693	8.693	0.000	97	2372086	100.0	90.3	
49 Tetrahydrofuran	42	8.693	8.693	0.000	90	941048	200.0	201.7	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	99	2038517	100.0	93.0	
52 Cyclohexane	56	8.906	8.907	0.000	94	2739568	100.0	106.0	
53 Isobutyl alcohol	43	8.942	8.942	0.000	98	2156109	2500.0	2652.4	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	1742957	100.0	98.0	
55 Carbon tetrachloride	117	9.001	9.001	0.000	99	1937593	100.0	95.9	
57 Benzene	78	9.179	9.179	0.000	98	5094667	100.0	92.5	
59 n-Heptane	43	9.191	9.191	0.000	96	1968837	100.0	96.8	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	2044863	100.0	90.6	
62 Trichloroethene	95	9.654	9.654	0.000	96	1388063	100.0	95.4	
64 Methylcyclohexane	83	9.784	9.784	0.000	98	2036245	100.0	110.0	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	94	1460519	100.0	97.8	
66 1,4-Dioxane	88	9.926	9.926	0.000	99	253215	2000.0	2015.1	
67 Dibromomethane	93	9.997	9.997	0.000	94	900493	100.0	96.0	
68 Dichlorobromomethane	83	10.057	10.057	0.000	98	1874396	100.0	99.8	
69 2-Chloroethyl vinyl ether	63	10.175	10.175	0.000	93	902752	100.0	119.5	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	2190737	100.0	109.2	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.413	-0.001	97	7879838	500.0	540.1	
74 Toluene	92	10.638	10.638	0.000	98	3322734	100.0	97.9	
75 Ethyl methacrylate	69	10.709	10.709	0.000	92	1685988	100.0	122.5	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	2043024	100.0	107.5	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	1019321	100.0	96.3	
80 2-Hexanone	43	11.053	11.053	0.000	97	5707798	500.0	575.3	
81 Tetrachloroethene	166	11.088	11.088	0.000	99	1550070	100.0	91.5	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	97	2047105	100.0	95.8	
83 Chlorodibromomethane	129	11.337	11.338	-0.001	90	1567919	100.0	106.2	
84 Ethylene Dibromide	107	11.468	11.468	0.000	98	1326621	100.0	101.7	
88 Ethylbenzene	91	11.800	11.800	0.000	97	6377583	100.0	101.7	
87 Chlorobenzene	112	11.800	11.800	0.000	87	3772835	100.0	94.6	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	95	1470841	100.0	97.9	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	2524415	100.0	105.7	
91 o-Xylene	106	12.227	12.227	0.000	93	2523149	100.0	109.5	
92 Styrene	104	12.239	12.239	0.000	91	4215460	100.0	116.7	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	6351188	100.0	108.2	
95 Bromoform	173	12.523	12.523	0.000	97	991456	100.0	112.1	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	1596728	100.0	97.7	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	82	625620	100.0	111.0	
99 N-Propylbenzene	91	12.843	12.844	-0.001	98	7520857	100.0	103.1	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	84	524009	100.0	103.8	
101 Bromobenzene	156	12.903	12.903	0.000	89	1792711	100.0	95.7	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	95	5440286	100.0	107.9	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	1541582	100.0	98.2	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	1626039	100.0	102.2	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	1203321	100.0	109.6	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	97	5618398	100.0	110.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	6808982	100.0	108.2	
110 4-Isopropyltoluene	119	13.579	13.591	-0.012	97	5973745	100.0	112.3	
111 1,3-Dichlorobenzene	146	13.721	13.721	0.000	98	3419135	100.0	96.6	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	95	3430224	100.0	93.7	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	5196506	100.0	108.7	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	3300457	100.0	96.6	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.109	0.000	84	290392	100.0	99.1	
119 1,2,4-Trichlorobenzene	180	16.128	16.128	0.000	95	2320840	100.0	111.0	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	97	932357	100.0	101.5	
121 Naphthalene	128	16.567	16.567	0.000	97	5565057	100.0	127.4	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	2237756	100.0	107.9	
S 123 Total BTEX	1				0			507.3	
S 124 Xylenes, Total	1				0			215.2	
S 125 1,2-Dichloroethene, Total	1				0			186.3	
S 126 1,3-Dichloropropene, Total	1				0			216.7	

Reagents:

8260 CORP mix_00074	Amount Added: 50.00	Units: uL	
GAS CORP mix_00156	Amount Added: 50.00	Units: uL	
C_8260_IS_00076	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added: 1.00	Units: uL	Run Reagent

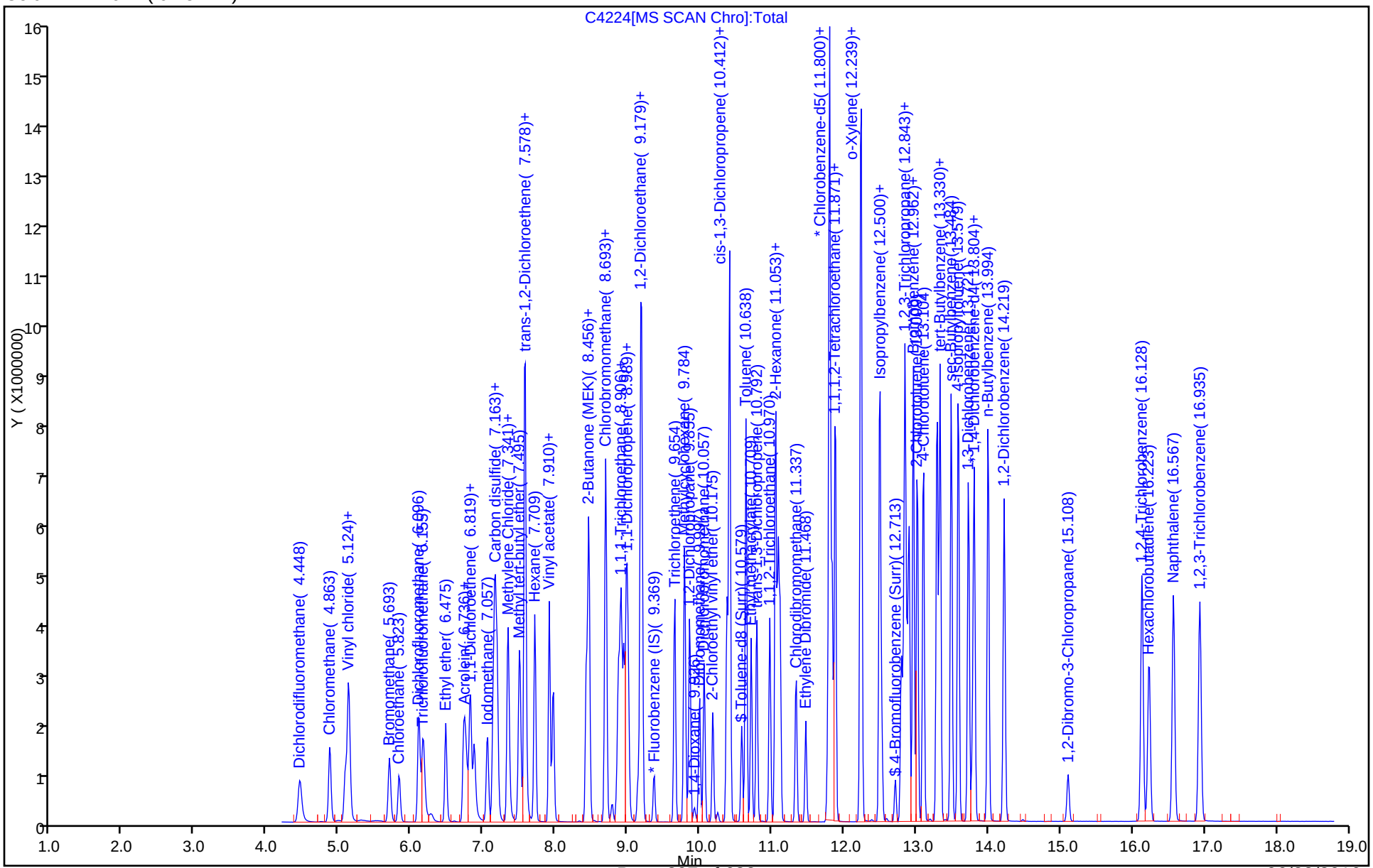
Report Date: 25-May-2016 19:46:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Injection Date:	25-May-2016 16:43:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	IC 7			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	68
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-305628/5	F7022.D
Level 2	IC 480-305628/6	F7023.D
Level 3	IC 480-305628/7	F7024.D
Level 4	IC 480-305628/8	F7025.D
Level 5	ICIS 480-305628/9	F7026.D
Level 6	IC 480-305628/10	F7027.D
Level 7	IC 480-305628/11	F7028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.7396 1.5232	1.6580 1.3372	1.5837	1.5467	1.5587	Ave		1.5639			0.1000	8.0		20.0			
Chloromethane	1.1619 1.0294	1.0346 0.8762	1.1002	1.0809	1.0381	Ave		1.0459			0.1000	8.5		20.0			
Vinyl chloride	1.1728 1.0547	1.0627 0.8982	1.1237	1.1033	1.0774	Ave		1.0704			0.1000	8.0		20.0			
Butadiene	1.0873 0.9572	0.9586 0.8419	1.0181	0.9947	0.9583	Ave		0.9737				7.7		20.0			
Bromomethane	0.9596 0.7890	0.7861 0.7128	0.8009	0.8175	0.8136	Ave		0.8114			0.1000	9.1		20.0			
Chloroethane	0.5802 0.6257	0.6096 0.5484	0.6033	0.6304	0.6257	Ave		0.6033			0.1000	4.9		20.0			
Dichlorofluoromethane	1.9534 1.8770	1.8869 1.6179	1.9156	1.9081	1.9017	Ave		1.8658				6.0		20.0			
Trichlorofluoromethane	2.1873 2.0040	1.9428 1.7677	2.1028	2.0466	2.0398	Ave		2.0130			0.1000	6.6		20.0			
Ethyl ether	0.8792 0.9408	0.8370 0.8378	0.7913	0.8961	0.9010	Ave		0.8690				5.8		20.0			
Acrolein	0.2450 0.2009	0.2088 0.1868	0.2118	0.2262	0.2015	Ave		0.2116				9.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3849 1.2715	1.2390 1.1455	1.2952	1.3083	1.2915	Ave		1.2765			0.1000	5.7		20.0			
1,1-Dichloroethene	1.2855 1.2337	1.2408 1.1258	1.2358	1.2790	1.2413	Ave		1.2346			0.1000	4.2		20.0			
Acetone	0.5799 0.4102	0.4106 0.3940	0.4105	0.4635	0.4177	Lin1	1.8203	0.4001			0.1000				0.9980		0.9900
Iodomethane	2.4456 2.2700	2.2701 2.0955	2.3429	2.3877	2.2878	Ave		2.2999				4.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.9566 4.2980	4.5515 3.8468	4.6357	4.6449	4.5353	Ave		4.4955			0.1000	7.7		20.0			
Methyl acetate	0.8848 0.8103	0.8188 0.7165	0.8534	0.9219	0.8223	Ave		0.8326			0.1000	7.8		20.0			
Allyl chloride	1.8400 1.8080	1.9900 1.6437	1.9305	1.9451	1.8860	Ave		1.8633				6.2		20.0			
Methylene Chloride	3.4199 1.4732	2.4752 1.3550	1.8858	1.7913	1.5641	Lin1	5.5110	1.3769			0.1000				0.9980		0.9900
2-Methyl-2-propanol	0.1663 0.1450	0.1457 0.1463	0.1303	0.1473	0.1303	Ave		0.1444				8.4		20.0			
Methyl tert-butyl ether	4.7368 4.3601	4.3545 3.9620	4.4987	4.7209	4.4033	Ave		4.4338			0.1000	5.9		20.0			
trans-1,2-Dichloroethene	1.5012 1.3707	1.4855 1.2510	1.4648	1.4744	1.4127	Ave		1.4229			0.1000	6.2		20.0			
Acrylonitrile	0.4642 0.4004	0.4232 0.3535	0.4283	0.4587	0.4019	Ave		0.4186				9.1		20.0			
Hexane	3.4622 1.9980	2.8061 1.8497	2.3779	2.3207	2.1461	Lin1	4.6349	1.9032							0.9970		0.9900
Vinyl acetate	2.5813 2.3787	2.4641 2.1282	2.4468	2.6425	2.4579	Ave		2.4428				6.7		20.0			
1,1-Dichloroethane	2.6828 2.2953	2.5132 2.1142	2.4480	2.4947	2.3717	Ave		2.4171			0.2000	7.5		20.0			
2,2-Dichloropropane	2.6185 2.2979	2.2968 2.0953	2.3755	2.4079	2.3479	Ave		2.3485				6.7		20.0			
2-Butanone (MEK)	0.5891 0.5480	0.5072 0.5004	0.5407	0.6129	0.5487	Ave		0.5496			0.1000	7.4		20.0			
cis-1,2-Dichloroethene	1.6727 1.4947	1.5971 1.3752	1.5646	1.6197	1.5411	Ave		1.5521			0.1000	6.2		20.0			
Chlorobromomethane	0.6992 0.6977	0.6899 0.6655	0.6909	0.7423	0.7042	Ave		0.6985				3.3		20.0			
Tetrahydrofuran	0.3812 0.3568	0.3622 0.3305	0.3341	0.3862	0.3485	Ave		0.3571				6.0		20.0			
Chloroform	2.8961 2.5449	2.6676 2.3830	2.6630	2.7042	2.6003	Ave		2.6370			0.2000	5.9		20.0			
1,1,1-Trichloroethane	2.5052 2.2890	2.3074 2.1326	2.3274	2.3735	2.3393	Ave		2.3249			0.1000	4.8		20.0			
Cyclohexane	2.4672 2.1310	2.2832 1.9105	2.2990	2.3332	2.1970	Ave		2.2316			0.1000	7.9		20.0			
1,1-Dichloropropene	2.2135 2.0020	2.1359 1.8488	2.1531	2.1465	2.0642	Ave		2.0806				5.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	2.0417 1.9886	1.9397 1.8791	2.0035	2.0109	2.0149	Ave		1.9826			0.1000	2.8		20.0			
Isobutyl alcohol	0.0673 0.0518	0.0512 0.0522	0.0427	0.0516	0.0463	Ave		0.0519				14.8		20.0			
Benzene	6.0755 5.3116	5.8835 4.6272	5.7133	5.8107	5.5746	Ave		5.5709			0.5000	8.6		20.0			
1,2-Dichloroethane	2.1320 1.9621	2.0406 1.8734	2.0760	2.1459	1.9960	Ave		2.0323			0.1000	4.8		20.0			
n-Heptane	2.3251 1.8909	2.3098 1.7380	2.0987	2.0363	1.9823	Ave		2.0544				10.4		20.0			
Trichloroethene	1.5414 1.4625	1.4582 1.3751	1.5265	1.5579	1.4900	Ave		1.4874			0.2000	4.2		20.0			
Methylcyclohexane	2.8978 2.5249	2.6051 2.2880	2.6747	2.6707	2.6472	Ave		2.6155			0.1000	7.0		20.0			
1,2-Dichloropropane	1.2886 1.1981	1.3217 1.1477	1.2593	1.3048	1.2313	Ave		1.2502			0.1000	5.0		20.0			
1,4-Dioxane	+++++ 0.0047	0.0039 0.0050	0.0041	0.0042	0.0044	Ave		0.0044				8.9		20.0			
Dibromomethane	0.8697 0.8495	0.8540 0.8231	0.8498	0.9039	0.8629	Ave		0.8590			0.1000	2.9		20.0			
Bromodichloromethane	1.9082 1.9635	1.8245 1.8971	1.9423	2.0219	1.9365	Ave		1.9277			0.2000	3.2		20.0			
2-Chloroethyl vinyl ether	0.7021 0.6898	0.6629 0.6806	0.6749	0.7266	0.6735	Ave		0.6872				3.1		20.0			
cis-1,3-Dichloropropene	2.4166 2.3710	2.3863 2.2601	2.3811	2.4977	2.4000	Ave		2.3876			0.2000	2.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.6194 0.5287	0.5460 0.4426	0.5483	0.6029	0.5379	Ave		0.5465			0.1000	10.5		20.0			
Toluene	1.8927 1.6795	1.8090 1.5075	1.7400	1.7763	1.7289	Ave		1.7334			0.4000	6.9		20.0			
trans-1,3-Dichloropropene	1.0694 1.0726	1.0294 1.0134	1.0250	1.1027	1.0856	Ave		1.0569			0.1000	3.2		20.0			
Ethyl methacrylate	0.8601 0.8762	0.8367 0.8030	0.8615	0.9213	0.8765	Ave		0.8622				4.3		20.0			
1,1,2-Trichloroethane	0.5241 0.4850	0.4921 0.4596	0.4779	0.5179	0.4922	Ave		0.4927			0.1000	4.5		20.0			
Tetrachloroethene	0.8176 0.7326	0.7618 0.6884	0.7353	0.7688	0.7507	Ave		0.7507			0.2000	5.3		20.0			
1,3-Dichloropropane	1.1171 1.0036	1.0547 0.9348	1.0444	1.0868	1.0239	Ave		1.0379				5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4548 0.4009	0.4266 0.3436	0.4119	0.4536	0.4031	Ave		0.4135			0.1000	9.2		20.0			
Dibromochloromethane	0.6078 0.6884	0.5870 0.6720	0.6143	0.6563	0.6711	Ave		0.6424			0.1000	6.0		20.0			
1,2-Dibromoethane	0.6089 0.6089	0.5788 0.5838	0.6017	0.6331	0.5951	Ave		0.6015				3.0		20.0			
Chlorobenzene	2.0313 1.7738	1.9099 1.5997	1.8481	1.9076	1.8220	Ave		1.8418			0.5000	7.3		20.0			
Ethylbenzene	3.6402 3.0438	3.5069 2.5101	3.3272	3.4023	3.2257	Ave		3.2366			0.1000	11.5		20.0			
1,1,1,2-Tetrachloroethane	0.6388 0.6921	0.6336 0.6429	0.6609	0.6921	0.6816	Ave		0.6632				3.8		20.0			
m,p-Xylene	1.3646 1.2208	1.3001 1.1149	1.2778	1.3025	1.2419	Ave		1.2604			0.1000	6.3		20.0			
o-Xylene	1.2951 1.1830	1.2699 1.0652	1.2422	1.2567	1.2190	Ave		1.2187			0.3000	6.3		20.0			
Styrene	2.2507 2.0173	2.1480 1.7720	2.1127	2.1810	2.0653	Ave		2.0781			0.3000	7.5		20.0			
Bromoform	0.3785 0.4398	0.3532 0.4353	0.3519	0.4023	0.4121	Ave		0.3962			0.1000	9.1		20.0			
Isopropylbenzene	3.7509 3.3395	3.7336 2.7664	3.5531	3.6266	3.4594	Ave		3.4614			0.1000	9.8		20.0			
1,1,2,2-Tetrachloroethane	0.8702 0.8481	0.8431 0.7785	0.8240	0.8993	0.8320	Ave		0.8422			0.3000	4.5		20.0			
Bromobenzene	0.9435 0.9014	0.9425 0.8502	0.9106	0.9564	0.9062	Ave		0.9158				3.9		20.0			
trans-1,4-Dichloro-2-butene	0.2690 0.2928	0.2710 0.2764	0.2799	0.3010	0.2858	Ave		0.2823				4.1		20.0			
N-Propylbenzene	4.7088 3.8430	4.4841 3.0157	4.3499	4.3685	4.1111	Ave		4.1259				13.6		20.0			
1,2,3-Trichloropropane	0.3013 0.2750	0.2526 0.2532	0.2572	0.2847	0.2688	Ave		0.2704				6.7		20.0			
2-Chlorotoluene	0.9040 0.7954	0.8424 0.7306	0.7947	0.8262	0.7827	Ave		0.8109				6.7		20.0			
1,3,5-Trimethylbenzene	3.2947 2.8902	3.1506 2.3895	3.0826	3.1606	2.9785	Ave		2.9924				9.9		20.0			
4-Chlorotoluene	0.9165 0.8330	0.8553 0.7745	0.8358	0.8769	0.8345	Ave		0.8467				5.2		20.0			
tert-Butylbenzene	0.6707 0.6594	0.6909 0.5978	0.6692	0.7118	0.6737	Ave		0.6676				5.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.3544 2.9136	3.2159 2.4074	3.1189	3.1637	3.0328	Ave		3.0295				10.1		20.0			
sec-Butylbenzene	4.2252 3.4729	4.0320 2.7378	3.8200	3.8698	3.7253	Ave		3.6976				13.1		20.0			
4-Isopropyltoluene	3.5371 3.0207	3.4532 2.4339	3.3202	3.3320	3.1702	Ave		3.1810				11.7		20.0			
1,3-Dichlorobenzene	1.8453 1.6994	1.8448 1.5265	1.7586	1.8120	1.7100	Ave		1.7424			0.6000	6.4		20.0			
1,4-Dichlorobenzene	1.9898 1.7141	1.8340 1.5418	1.7794	1.8233	1.7373	Ave		1.7742			0.5000	7.7		20.0			
n-Butylbenzene	3.1830 2.7821	3.1676 2.2662	3.0076	3.0794	2.9401	Ave		2.9180				10.9		20.0			
1,2-Dichlorobenzene	1.6863 1.6041	1.7069 1.4455	1.6490	1.6825	1.6167	Ave		1.6273			0.4000	5.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1693 0.1789	0.1560 0.1710	0.1456	0.1738	0.1653	Ave		0.1657			0.0500	6.9		20.0			
1,2,4-Trichlorobenzene	1.1597 1.0707	1.1227 0.9642	1.0754	1.1200	1.0631	Ave		1.0823			0.2000	5.8		20.0			
Hexachlorobutadiene	0.6642 0.6388	0.6646 0.5877	0.6395	0.6537	0.6373	Ave		0.6408				4.1		20.0			
Naphthalene	2.8021 2.5026	2.4826 2.1167	2.5647	2.6997	2.4716	Ave		2.5200				8.6		20.0			
1,2,3-Trichlorobenzene	1.0687 0.9910	0.9808 0.9074	0.9914	1.0375	0.9672	Ave		0.9920				5.2		20.0			
Dibromofluoromethane (Surr)	1.1492 1.1371	1.1326 1.1369	1.1574	1.1569	1.1484	Ave		1.1455				0.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7254 0.7195	0.7210 0.7118	0.7245	0.7325	0.7207	Ave		0.7222				0.9		20.0			
Toluene-d8 (Surr)	2.1774 2.1865	2.1705 2.1470	2.1422	2.1429	2.1651	Ave		2.1617				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.6892 0.7050	0.6989 0.6966	0.6850	0.6921	0.7031	Ave		0.6957				1.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-305628/5	F7022.D
Level 2	IC 480-305628/6	F7023.D
Level 3	IC 480-305628/7	F7024.D
Level 4	IC 480-305628/8	F7025.D
Level 5	ICIS 480-305628/9	F7026.D
Level 6	IC 480-305628/10	F7027.D
Level 7	IC 480-305628/11	F7028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	21524 760306	41684 1385199	77271	152105	383101	2.50 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	14376 513838	26012 907626	53681	106302	255152	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	14511 526428	26718 930403	54825	108506	264798	2.50 100	5.00 200	10.0	20.0	50.0
Butadiene	FB	Ave	13453 477808	24101 872142	49676	97823	235540	2.50 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	11873 393828	19765 738384	39075	80396	199967	2.50 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	7179 312335	15326 568122	29434	61996	153773	2.50 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	24170 936907	47440 1675949	93468	187649	467398	2.50 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	27064 1000304	48846 1831113	102597	201273	501329	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl ether	FB	Ave	10878 469617	21044 867826	38609	88123	221444	2.50 100	5.00 200	10.0	20.0	50.0
Acrolein	FB	Ave	15154 501293	26250 967633	51675	111221	247621	12.5 500	25.0 1000	50.0	100	250
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	17136 634643	31151 1186556	63195	128663	317412	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloroethene	FB	Ave	15905 615814	31197 1166228	60295	125781	305097	2.50 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Lin1	35877 1023716	51614 2040692	100135	227931	513275	12.5 500	25.0 1000	50.0	100	250
Iodomethane	FB	Ave	30260 1133087	57074 2170729	114312	234813	562296	2.50 100	5.00 200	10.0	20.0	50.0
Carbon disulfide	FB	Ave	61328 2145343	114432 3984823	226184	456798	1114693	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	54736 2022286	102935 3710967	208187	453331	1010569	12.5 500	25.0 1000	50.0	100	250
Allyl chloride	FB	Ave	22767 902438	50033 1702734	94193	191292	463546	2.50 100	5.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Lin1	42315 735360	62231 1403573	92012	176162	384411	2.50 100	5.00 200	10.0	20.0	50.0
2-Methyl-2-propanol	FB	Ave	20574 723588	36620 1515959	63590	144836	320133	25.0 1000	50.0 2000	100	200	500
Methyl tert-butyl ether	FB	Ave	58609 2176358	109479 4104175	219498	464277	1082245	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	18575 684159	37348 1295871	71472	144997	347210	2.50 100	5.00 200	10.0	20.0	50.0
Acrylonitrile	FB	Ave	57430 1998802	106398 3662169	208982	451118	987684	25.0 1000	50.0 2000	100	200	500
Hexane	FB	Lin1	42838 997284	70550 1916123	116023	228228	527468	2.50 100	5.00 200	10.0	20.0	50.0
Vinyl acetate	FB	Ave	63877 2374646	123906 4409192	238764	519741	1208186	5.00 200	10.0 400	20.0	40.0	100
1,1-Dichloroethane	FB	Ave	33195 1145708	63186 2190071	119440	245338	582917	2.50 100	5.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	32399 1146987	57745 2170444	115906	236800	577058	2.50 100	5.00 200	10.0	20.0	50.0
2-Butanone (MEK)	FB	Ave	36445 1367650	63765 2592031	131899	301392	674277	12.5 500	25.0 1000	50.0	100	250
cis-1,2-Dichloroethene	FB	Ave	20696 746079	40154 1424519	76338	159289	378766	2.50 100	5.00 200	10.0	20.0	50.0
Chlorobromomethane	FB	Ave	8651 348274	17345 689413	33711	73005	173082	2.50 100	5.00 200	10.0	20.0	50.0
Tetrahydrofuran	FB	Ave	9433 356164	18211 684742	32601	75959	171330	5.00 200	10.0 400	20.0	40.0	100
Chloroform	FB	Ave	35834 1270293	67069 2468562	129931	265942	639089	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	30997 1142540	58013 2209153	113559	233424	574943	2.50 100	5.00 200	10.0	20.0	50.0
Cyclohexane	FB	Ave	30527 1063664	57405 1979061	112170	229461	539973	2.50 100	5.00 200	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	27388 999302	53700 1915115	105056	211097	507347	2.50 100	5.00 200	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	25262 992622	48768 1946496	97756	197756	495218	2.50 100	5.00 200	10.0	20.0	50.0
Isobutyl alcohol	FB	Ave	20818 646287	32184 1351089	52096	126775	284475	62.5 2500	125 5000	250	500	1250

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	75172 2651299	147923 4793235	278764	571453	1370127	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	26379 979371	51305 1940613	101290	211038	490572	2.50 100	5.00 200	10.0	20.0	50.0
n-Heptane	FB	Ave	28769 943821	58072 1800354	102401	200258	487205	2.50 100	5.00 200	10.0	20.0	50.0
Trichloroethene	FB	Ave	19072 729997	36663 1424420	74483	153214	366212	2.50 100	5.00 200	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	35855 1260279	65496 2370060	130505	262653	650616	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	15944 598041	33229 1188913	61445	128324	302620	2.50 100	5.00 200	10.0	20.0	50.0
1,4-Dioxane	CBZ	Ave	+++++ 94256	4052 214386	8318	17283	44355	+++++ 2000	100 4000	200	400	1000
Dibromomethane	FB	Ave	10761 424010	21471 852622	41465	88892	212082	2.50 100	5.00 200	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	23610 980082	45870 1965182	94770	198845	475945	2.50 100	5.00 200	10.0	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	8687 344336	16667 705046	32928	71456	165533	2.50 100	5.00 200	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	29901 1183472	59997 2341247	116178	245632	589869	2.50 100	5.00 200	10.0	20.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	78430 2670568	140157 4729837	277665	612990	1342423	12.5 500	25.0 1000	50.0	100	250
Toluene	CBZ	Ave	47931 1696563	92876 3221979	176226	361224	863005	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	27081 1083487	52850 2166094	103815	224258	541876	2.50 100	5.00 200	10.0	20.0	50.0
Ethyl methacrylate	CBZ	Ave	21782 885141	42956 1716297	87252	187364	437503	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	13272 489913	25266 982383	48403	105314	245713	2.50 100	5.00 200	10.0	20.0	50.0
Tetrachloroethene	CBZ	Ave	20704 740044	39110 1471383	74475	156345	374734	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	28290 1013792	54152 1997930	105776	221017	511117	2.50 100	5.00 200	10.0	20.0	50.0
2-Hexanone	CBZ	Ave	57583 2024686	109500 3672404	208599	461232	1006060	12.5 500	25.0 1000	50.0	100	250
Dibromochloromethane	CBZ	Ave	15393 695421	30137 1436252	62222	133476	334976	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	15419 615077	29715 1247882	60945	128748	297033	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	51442 1791918	98055 3419106	187184	387937	909474	2.50 100	5.00 200	10.0	20.0	50.0
Ethylbenzene	CBZ	Ave	92184 3074773	180052 5364925	336983	691905	1610165	2.50 100	5.00 200	10.0	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	16178 699163	32530 1374217	66940	140744	340254	2.50 100	5.00 200	10.0	20.0	50.0
m,p-Xylene	CBZ	Ave	34557 1233228	66750 2382919	129419	264886	619909	2.50 100	5.00 200	10.0	20.0	50.0
o-Xylene	CBZ	Ave	32797 1195048	65201 2276689	125815	255559	608471	2.50 100	5.00 200	10.0	20.0	50.0
Styrene	CBZ	Ave	56997 2037862	110281 3787446	213976	443541	1030929	2.50 100	5.00 200	10.0	20.0	50.0
Bromoform	CBZ	Ave	9586 444245	18135 930384	35646	81811	205722	2.50 100	5.00 200	10.0	20.0	50.0
Isopropylbenzene	DCB	Ave	85396 3009996	169522 5257279	323529	664128	1558813	2.50 100	5.00 200	10.0	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	19811 764380	38278 1479368	75031	164689	374899	2.50 100	5.00 200	10.0	20.0	50.0
Bromobenzene	DCB	Ave	21480 812487	42794 1615677	82918	175151	408351	2.50 100	5.00 200	10.0	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	6125 263941	12305 525231	25488	55130	128769	2.50 100	5.00 200	10.0	20.0	50.0
N-Propylbenzene	DCB	Ave	107205 3463804	203597 5730942	396079	799993	1852449	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	6860 247897	11470 481206	23422	52136	121124	2.50 100	5.00 200	10.0	20.0	50.0
2-Chlorotoluene	DCB	Ave	20582 716914	38247 1388516	72358	151299	352680	2.50 100	5.00 200	10.0	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	75010 2605073	143049 4541020	280681	578788	1342095	2.50 100	5.00 200	10.0	20.0	50.0
4-Chlorotoluene	DCB	Ave	20867 750848	38835 1471940	76099	160590	376019	2.50 100	5.00 200	10.0	20.0	50.0
tert-Butylbenzene	DCB	Ave	15271 594353	31368 1135961	60935	130346	303575	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	76370 2626088	146015 4575085	283994	579358	1366558	2.50 100	5.00 200	10.0	20.0	50.0
sec-Butylbenzene	DCB	Ave	96195 3130242	183070 5202820	347829	708663	1678637	2.50 100	5.00 200	10.0	20.0	50.0
4-Isopropyltoluene	DCB	Ave	80530 2722669	156788 4625320	302321	610175	1428499	2.50 100	5.00 200	10.0	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	42013 1531755	83762 2900888	160124	331824	770542	2.50 100	5.00 200	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	45303 1544961	83272 2929947	162025	333900	782809	2.50 100	5.00 200	10.0	20.0	50.0
n-Butylbenzene	DCB	Ave	72468 2507565	143820 4306576	273851	563917	1324825	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	38393 1445835	77501 2747003	150153	308105	728495	2.50 100	5.00 200	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	3854 161252	7084 324986	13256	31826	74480	2.50 100	5.00 200	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	26402 965042	50975 1832441	97921	205110	479016	2.50 100	5.00 200	10.0	20.0	50.0
Hexachlorobutadiene	DCB	Ave	15123 575789	30175 1116945	58226	119716	287180	2.50 100	5.00 200	10.0	20.0	50.0
Naphthalene	DCB	Ave	63796 2255683	112718 4022471	233531	494383	1113678	2.50 100	5.00 200	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	24332 893242	44533 1724426	90270	189997	435837	2.50 100	5.00 200	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	284374 283779	284764 294417	282353	284426	282241	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	179497 179575	181281 184326	176753	180103	177130	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1102801 1104385	1114367 1147250	1084833	1089463	1080743	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	349062 356109	358848 372209	346875	351880	350968	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-305628/5	F7022.D
Level 2	IC 480-305628/6	F7023.D
Level 3	IC 480-305628/7	F7024.D
Level 4	IC 480-305628/8	F7025.D
Level 5	ICIS 480-305628/9	F7026.D
Level 6	IC 480-305628/10	F7027.D
Level 7	IC 480-305628/11	F7028.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	11.2 -14.5	6.0	1.3	-1.1	-0.3	-2.6	30 30	30	30	30	30	30
Chloromethane	11.1 -16.2	-1.1	5.2	3.3	-0.7	-1.6	30 30	30	30	30	30	30
Vinyl chloride	9.6 -16.1	-0.7	5.0	3.1	0.7	-1.5	30 30	30	30	30	30	30
Butadiene	11.7 -13.5	-1.6	4.6	2.2	-1.6	-1.7	30 30	30	30	30	30	30
Bromomethane	18.3 -12.1	-3.1	-1.3	0.8	0.3	-2.8	30 30	30	30	30	30	30
Chloroethane	-3.8 -9.1	1.0	0.0	4.5	3.7	3.7	30 30	30	30	30	30	30
Dichlorofluoromethane	4.7 -13.3	1.1	2.7	2.3	1.9	0.6	30 30	30	30	30	30	30
Trichlorofluoromethane	8.7 -12.2	-3.5	4.5	1.7	1.3	-0.4	30 30	30	30	30	30	30
Ethyl ether	1.2 -3.6	-3.7	-8.9	3.1	3.7	8.3	30 30	30	30	30	30	30
Acrolein	15.8 -11.7	-1.3	0.1	6.9	-4.8	-5.1	30 30	30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	8.5 -10.3	-2.9	1.5	2.5	1.2	-0.4	30 30	30	30	30	30	30
1,1-Dichloroethene	4.1 -8.8	0.5	0.1	3.6	0.5	-0.1	30 30	30	30	30	30	30
Acetone	8.6 -2.0	-15.6	-6.5	11.3	2.6	1.6	30 30	30	30	30	30	30
Iodomethane	6.3 -8.9	-1.3	1.9	3.8	-0.5	-1.3	30 30	30	30	30	30	30
Carbon disulfide	10.3 -14.4	1.2	3.1	3.3	0.9	-4.4	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl acetate	6.3 -13.9	-1.6	2.5	10.7	-1.2	-2.7	30 30	30	30	30	30	30
Allyl chloride	-1.3 -11.8	6.8	3.6	4.4	1.2	-3.0	30 30	30	30	30	30	30
Methylene Chloride	-11.7 -3.6	-0.3	-3.1	10.1	5.6	3.0	30 30	30	30	30	30	30
2-Methyl-2-propanol	15.1 1.3	0.8	-9.8	2.0	-9.8	0.4	30 30	30	30	30	30	30
Methyl tert-butyl ether	6.8 -10.6	-1.8	1.5	6.5	-0.7	-1.7	30 30	30	30	30	30	30
trans-1,2-Dichloroethene	5.5 -12.1	4.4	2.9	3.6	-0.7	-3.7	30 30	30	30	30	30	30
Acrylonitrile	10.9 -15.5	1.1	2.3	9.6	-4.0	-4.3	30 30	30	30	30	30	30
Hexane	-15.5 -4.0	-1.3	0.6	9.8	7.9	2.5	30 30	30	30	30	30	30
Vinyl acetate	5.7 -12.9	0.9	0.2	8.2	0.6	-2.6	30 30	30	30	30	30	30
1,1-Dichloroethane	11.0 -12.5	4.0	1.3	3.2	-1.9	-5.0	30 30	30	30	30	30	30
2,2-Dichloropropane	11.5 -10.8	-2.2	1.1	2.5	0.0	-2.2	30 30	30	30	30	30	30
2-Butanone (MEK)	7.2 -8.9	-7.7	-1.6	11.5	-0.2	-0.3	30 30	30	30	30	30	30
cis-1,2-Dichloroethene	7.8 -11.4	2.9	0.8	4.4	-0.7	-3.7	30 30	30	30	30	30	30
Chlorobromomethane	0.1 -4.7	-1.2	-1.1	6.3	0.8	-0.1	30 30	30	30	30	30	30
Tetrahydrofuran	6.8 -7.4	1.4	-6.4	8.2	-2.4	-0.1	30 30	30	30	30	30	30
Chloroform	9.8 -9.6	1.2	1.0	2.5	-1.4	-3.5	30 30	30	30	30	30	30
1,1,1-Trichloroethane	7.8 -8.3	-0.8	0.1	2.1	0.6	-1.5	30 30	30	30	30	30	30
Cyclohexane	10.6 -14.4	2.3	3.0	4.6	-1.6	-4.5	30 30	30	30	30	30	30
1,1-Dichloropropene	6.4 -11.1	2.7	3.5	3.2	-0.8	-3.8	30 30	30	30	30	30	30
Carbon tetrachloride	3.0 -5.2	-2.2	1.1	1.4	1.6	0.3	30 30	30	30	30	30	30
Isobutyl alcohol	29.8 0.6	-1.3	-17.7	-0.6	-10.7	-0.1	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Benzene	9.1 -16.9	5.6	2.6	4.3	0.1	-4.7	30 30	30	30	30	30	30
1,2-Dichloroethane	4.9 -7.8	0.4	2.1	5.6	-1.8	-3.5	30 30	30	30	30	30	30
n-Heptane	13.2 -15.4	12.4	2.2	-0.9	-3.5	-8.0	30 30	30	30	30	30	30
Trichloroethene	3.6 -7.6	-2.0	2.6	4.7	0.2	-1.7	30 30	30	30	30	30	30
Methylcyclohexane	10.8 -12.5	-0.4	2.3	2.1	1.2	-3.5	30 30	30	30	30	30	30
1,2-Dichloropropane	3.1 -8.2	5.7	0.7	4.4	-1.5	-4.2	30 30	30	30	30	30	30
1,4-Dioxane	+++++ 13.9	-10.4	-6.8	-3.5	0.9	5.9	 30	30	30	30	30	30
Dibromomethane	1.2 -4.2	-0.6	-1.1	5.2	0.5	-1.1	30 30	30	30	30	30	30
Bromodichloromethane	-1.0 -1.6	-5.4	0.8	4.9	0.5	1.9	30 30	30	30	30	30	30
2-Chloroethyl vinyl ether	2.2 -1.0	-3.5	-1.8	5.7	-2.0	0.4	30 30	30	30	30	30	30
cis-1,3-Dichloropropene	1.2 -5.3	-0.1	-0.3	4.6	0.5	-0.7	30 30	30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	13.3 -19.0	-0.1	0.3	10.3	-1.6	-3.3	30 30	30	30	30	30	30
Toluene	9.2 -13.0	4.4	0.4	2.5	-0.3	-3.1	30 30	30	30	30	30	30
trans-1,3-Dichloropropene	1.2 -4.1	-2.6	-3.0	4.3	2.7	1.5	30 30	30	30	30	30	30
Ethyl methacrylate	-0.2 -6.9	-3.0	-0.1	6.9	1.7	1.6	30 30	30	30	30	30	30
1,1,2-Trichloroethane	6.4 -6.7	-0.1	-3.0	5.1	-0.1	-1.6	30 30	30	30	30	30	30
Tetrachloroethene	8.9 -8.3	1.5	-2.1	2.4	0.0	-2.4	30 30	30	30	30	30	30
1,3-Dichloropropane	7.6 -9.9	1.6	0.6	4.7	-1.3	-3.3	30 30	30	30	30	30	30
2-Hexanone	10.0 -16.9	3.2	-0.4	9.7	-2.5	-3.1	30 30	30	30	30	30	30
Dibromochloromethane	-5.4 4.6	-8.6	-4.4	2.2	4.5	7.2	30 30	30	30	30	30	30
1,2-Dibromoethane	1.2 -2.9	-3.8	0.0	5.3	-1.1	1.2	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	10.3 -13.1	3.7	0.3	3.6	-1.1	-3.7	30 30	30	30	30	30	30
Ethylbenzene	12.5 -22.4	8.4	2.8	5.1	-0.3	-6.0	30 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-3.7 -3.0	-4.5	-0.3	4.4	2.8	4.4	30 30	30	30	30	30	30
m,p-Xylene	8.3 -11.5	3.2	1.4	3.3	-1.5	-3.1	30 30	30	30	30	30	30
o-Xylene	6.3 -12.6	4.2	1.9	3.1	0.0	-2.9	30 30	30	30	30	30	30
Styrene	8.3 -14.7	3.4	1.7	5.0	-0.6	-2.9	30 30	30	30	30	30	30
Bromoform	-4.5 9.9	-10.8	-11.2	1.5	4.0	11.0	30 30	30	30	30	30	30
Isopropylbenzene	8.4 -20.1	7.9	2.7	4.8	-0.1	-3.5	30 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	3.3 -7.6	0.1	-2.2	6.8	-1.2	0.7	30 30	30	30	30	30	30
Bromobenzene	3.0 -7.2	2.9	-0.6	4.4	-1.0	-1.6	30 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-4.7 -2.1	-4.0	-0.8	6.6	1.2	3.7	30 30	30	30	30	30	30
N-Propylbenzene	14.1 -26.9	8.7	5.4	5.9	-0.4	-6.9	30 30	30	30	30	30	30
1,2,3-Trichloropropane	11.4 -6.4	-6.6	-4.9	5.3	-0.6	1.7	30 30	30	30	30	30	30
2-Chlorotoluene	11.5 -9.9	3.9	-2.0	1.9	-3.5	-1.9	30 30	30	30	30	30	30
1,3,5-Trimethylbenzene	10.1 -20.1	5.3	3.0	5.6	-0.5	-3.4	30 30	30	30	30	30	30
4-Chlorotoluene	8.3 -8.5	1.0	-1.3	3.6	-1.4	-1.6	30 30	30	30	30	30	30
tert-Butylbenzene	0.5 -10.5	3.5	0.2	6.6	0.9	-1.2	30 30	30	30	30	30	30
1,2,4-Trimethylbenzene	10.7 -20.5	6.2	3.0	4.4	0.1	-3.8	30 30	30	30	30	30	30
sec-Butylbenzene	14.3 -26.0	9.0	3.3	4.7	0.8	-6.1	30 30	30	30	30	30	30
4-Isopropyltoluene	11.2 -23.5	8.6	4.4	4.7	-0.3	-5.0	30 30	30	30	30	30	30
1,3-Dichlorobenzene	5.9 -12.4	5.9	0.9	4.0	-1.9	-2.5	30 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 305628

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 06/08/2016 13:08 Calibration End Date: 06/08/2016 15:42 Calibration ID: 27710

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	12.2 -13.1	3.4	0.3	2.8	-2.1	-3.4	30 30	30	30	30	30	30
n-Butylbenzene	9.1 -22.3	8.6	3.1	5.5	0.8	-4.7	30 30	30	30	30	30	30
1,2-Dichlorobenzene	3.6 -11.2	4.9	1.3	3.4	-0.6	-1.4	30 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	2.2 3.2	-5.8	-12.1	4.9	-0.2	8.0	30 30	30	30	30	30	30
1,2,4-Trichlorobenzene	7.2 -10.9	3.7	-0.6	3.5	-1.8	-1.1	30 30	30	30	30	30	30
Hexachlorobutadiene	3.7 -8.3	3.7	-0.2	2.0	-0.5	-0.3	30 30	30	30	30	30	30
Naphthalene	11.2 -16.0	-1.5	1.8	7.1	-1.9	-0.7	30 30	30	30	30	30	30
1,2,3-Trichlorobenzene	7.7 -8.5	-1.1	-0.1	4.6	-2.5	-0.1	30 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.3 -0.8	-1.1	1.0	1.0	0.3	-0.7	30 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.4 -1.4	-0.2	0.3	1.4	-0.2	-0.4	30 30	30	30	30	30	30
Toluene-d8 (Surr)	0.7 -0.7	0.4	-0.9	-0.9	0.2	1.1	30 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-0.9 0.1	0.5	-1.5	-0.5	1.1	1.3	30 30	30	30	30	30	30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-Jun-2016 13:08:30 ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0053862-005
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:00 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:39:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.285	-0.006	98	247461	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	506483	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	455342	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	92	284374	50.0	50.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	179497	50.0	50.2	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	1102801	50.0	50.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	349062	50.0	49.5	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	21524	2.50	2.78	
12 Chloromethane	50	1.987	2.006	-0.019	96	14376	2.50	2.78	
13 Vinyl chloride	62	2.103	2.121	-0.018	90	14511	2.50	2.74	
151 Butadiene	54	2.115	2.127	-0.012	86	13453	2.50	2.79	
14 Bromomethane	94	2.383	2.401	-0.018	89	11873	2.50	2.96	
15 Chloroethane	64	2.462	2.468	-0.006	98	7179	2.50	2.40	
16 Dichlorofluoromethane	67	2.608	2.626	-0.018	98	24170	2.50	2.62	
17 Trichlorofluoromethane	101	2.638	2.657	-0.019	95	27064	2.50	2.72	
18 Ethyl ether	59	2.839	2.845	-0.006	83	10878	2.50	2.53	M
20 Acrolein	56	2.985	2.997	-0.012	89	15154	12.5	14.5	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	91	17136	2.50	2.71	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	15905	2.50	2.60	
23 Acetone	43	3.101	3.113	-0.012	98	35877	12.5	13.6	
25 Iodomethane	142	3.204	3.204	0.000	100	30260	2.50	2.66	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	61328	2.50	2.76	
27 Methyl acetate	43	3.326	3.320	0.006	95	54736	12.5	13.3	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	78	22767	2.50	2.47	
30 Methylene Chloride	84	3.429	3.435	-0.006	86	42315	2.50	2.21	
31 2-Methyl-2-propanol	59	3.496	3.490	0.006	94	20574	25.0	28.8	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	58609	2.50	2.67	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	97	18575	2.50	2.64	
33 Acrylonitrile	53	3.636	3.630	0.006	98	57430	25.0	27.7	M
35 Hexane	57	3.752	3.752	0.000	85	42838	2.50	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	63877	5.00	5.28	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	33195	2.50	2.77	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	70	32399	2.50	2.79	
43 2-Butanone (MEK)	43	4.384	4.378	0.006	92	36445	12.5	13.4	M
45 cis-1,2-Dichloroethene	96	4.390	4.391	-0.001	83	20696	2.50	2.69	
48 Chlorobromomethane	128	4.585	4.591	-0.006	76	8651	2.50	2.50	M
49 Tetrahydrofuran	42	4.622	4.610	0.012	49	9433	5.00	5.34	
50 Chloroform	83	4.622	4.628	-0.006	93	35834	2.50	2.75	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	55	30997	2.50	2.69	
52 Cyclohexane	56	4.792	4.798	-0.006	86	30527	2.50	2.76	
54 1,1-Dichloropropene	75	4.877	4.883	-0.006	95	27388	2.50	2.66	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	96	25262	2.50	2.57	
53 Isobutyl alcohol	43	4.962	4.950	0.012	94	20818	62.5	81.1	M
57 Benzene	78	5.066	5.072	-0.006	93	75172	2.50	2.73	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	95	26379	2.50	2.62	
59 n-Heptane	43	5.163	5.163	0.000	87	28769	2.50	2.83	
62 Trichloroethene	95	5.583	5.583	0.000	97	19072	2.50	2.59	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	35855	2.50	2.77	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	93	15944	2.50	2.58	
66 1,4-Dioxane	88	5.917	5.911	0.006	0	1531	50.0	34.3	M
67 Dibromomethane	93	5.930	5.936	-0.006	93	10761	2.50	2.53	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	23610	2.50	2.47	
69 2-Chloroethyl vinyl ether	63	6.246	6.252	-0.006	90	8687	2.50	2.55	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	29901	2.50	2.53	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	78430	12.5	14.2	
74 Toluene	92	6.714	6.714	0.000	97	47931	2.50	2.73	
77 trans-1,3-Dichloropropene	75	6.939	6.940	-0.001	96	27081	2.50	2.53	
75 Ethyl methacrylate	69	6.939	6.940	-0.001	70	21782	2.50	2.49	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	90	13272	2.50	2.66	
81 Tetrachloroethene	166	7.231	7.232	-0.001	95	20704	2.50	2.72	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	92	28290	2.50	2.69	
80 2-Hexanone	43	7.317	7.311	0.006	93	57583	12.5	13.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	15393	2.50	2.37	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	15419	2.50	2.53	
87 Chlorobenzene	112	8.120	8.114	0.006	93	51442	2.50	2.76	
88 Ethylbenzene	91	8.187	8.181	0.006	98	92184	2.50	2.81	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	43	16178	2.50	2.41	
90 m-Xylene & p-Xylene	106	8.290	8.296	-0.006	99	34557	2.50	2.71	
91 o-Xylene	106	8.734	8.728	0.006	96	32797	2.50	2.66	
92 Styrene	104	8.752	8.752	0.000	92	56997	2.50	2.71	
95 Bromoform	173	9.014	9.020	-0.006	93	9586	2.50	2.39	
94 Isopropylbenzene	105	9.099	9.099	0.000	95	85396	2.50	2.71	
101 Bromobenzene	156	9.482	9.482	0.000	94	21480	2.50	2.58	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.482	-0.006	75	19811	2.50	2.58	
99 N-Propylbenzene	91	9.531	9.525	0.006	99	107205	2.50	2.85	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	42	6125	2.50	2.38	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	52	6860	2.50	2.79	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	20582	2.50	2.79	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	75010	2.50	2.75	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	20867	2.50	2.71	
106 tert-Butylbenzene	134	10.018	10.018	0.000	92	15271	2.50	2.51	
107 1,2,4-Trimethylbenzene	105	10.072	10.073	-0.001	96	76370	2.50	2.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	94	96195	2.50	2.86	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	80530	2.50	2.78	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	42013	2.50	2.65	
113 1,4-Dichlorobenzene	146	10.468	10.462	0.006	95	45303	2.50	2.80	
115 n-Butylbenzene	91	10.729	10.730	-0.001	97	72468	2.50	2.73	
116 1,2-Dichlorobenzene	146	10.809	10.815	-0.006	95	38393	2.50	2.59	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	83	3854	2.50	2.55	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	26402	2.50	2.68	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	96	15123	2.50	2.59	
121 Naphthalene	128	12.354	12.354	0.000	97	63796	2.50	2.78	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	93	24332	2.50	2.69	
S 123 Total BTEX	1				0			13.6	
S 124 Xylenes, Total	1				0			5.36	
S 125 1,2-Dichloroethene, Total	1				0			5.33	
S 126 1,3-Dichloropropene, Total	1				0			5.06	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00075	Amount Added:	2.50	Units: uL	
GAS CORP mix_00159	Amount Added:	2.50	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

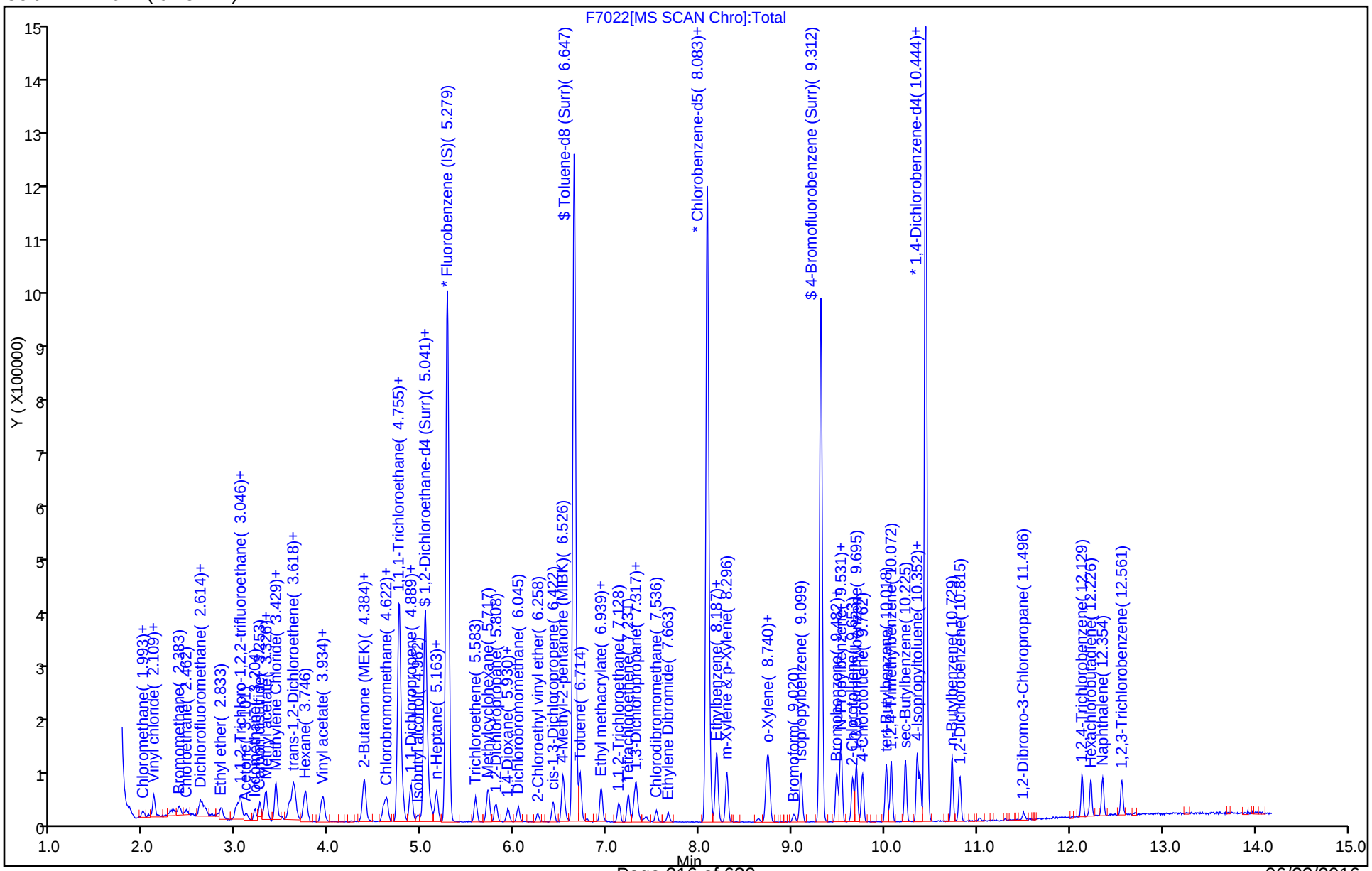
Report Date: 09-Jun-2016 10:46:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D

Injection Date:	08-Jun-2016 13:08:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

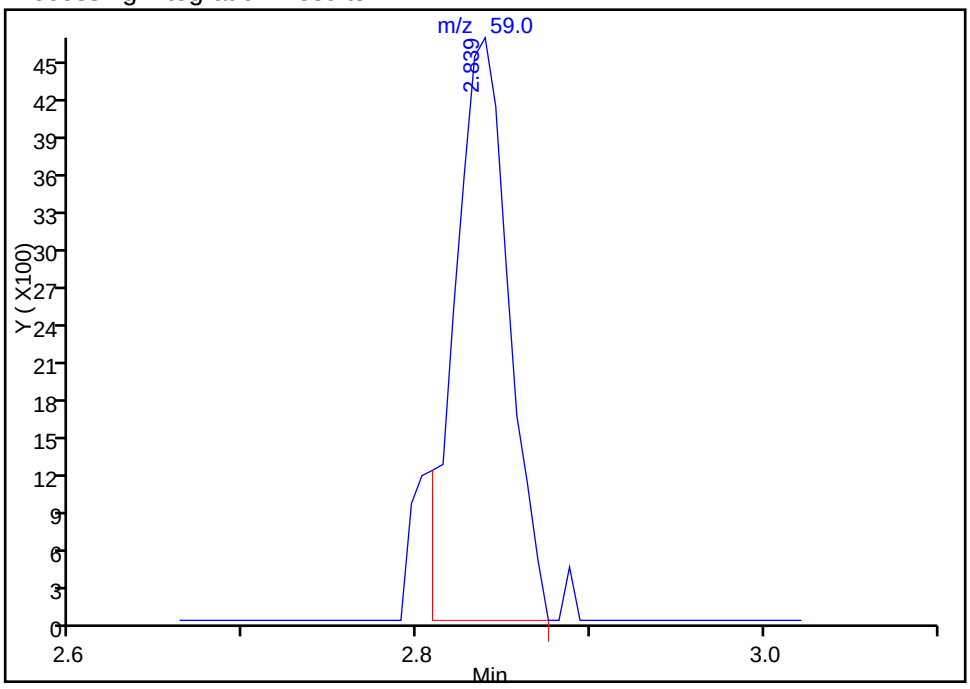
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

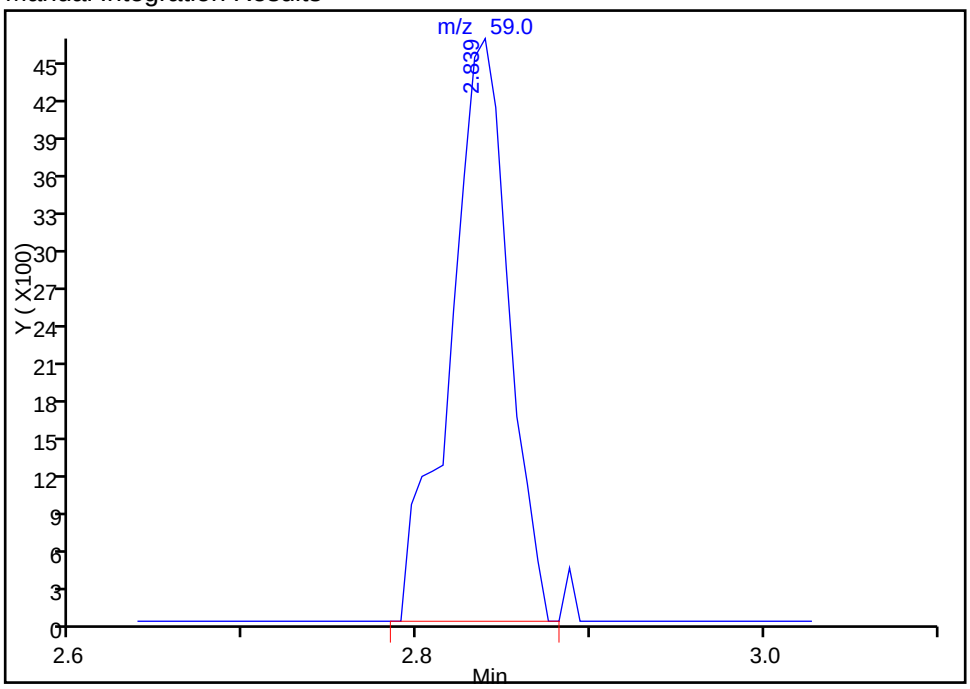
Processing Integration Results

RT: 2.84
Area: 10117
Amount: 2.356848
Amount Units: ug/kg



Manual Integration Results

RT: 2.84
Area: 10878
Amount: 2.529198
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:50:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

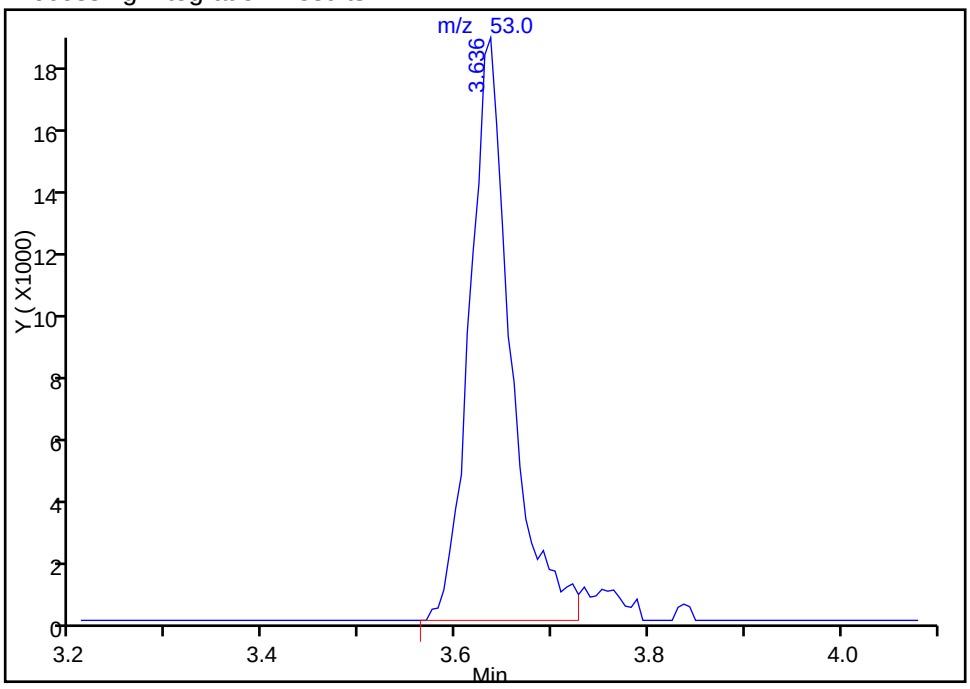
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

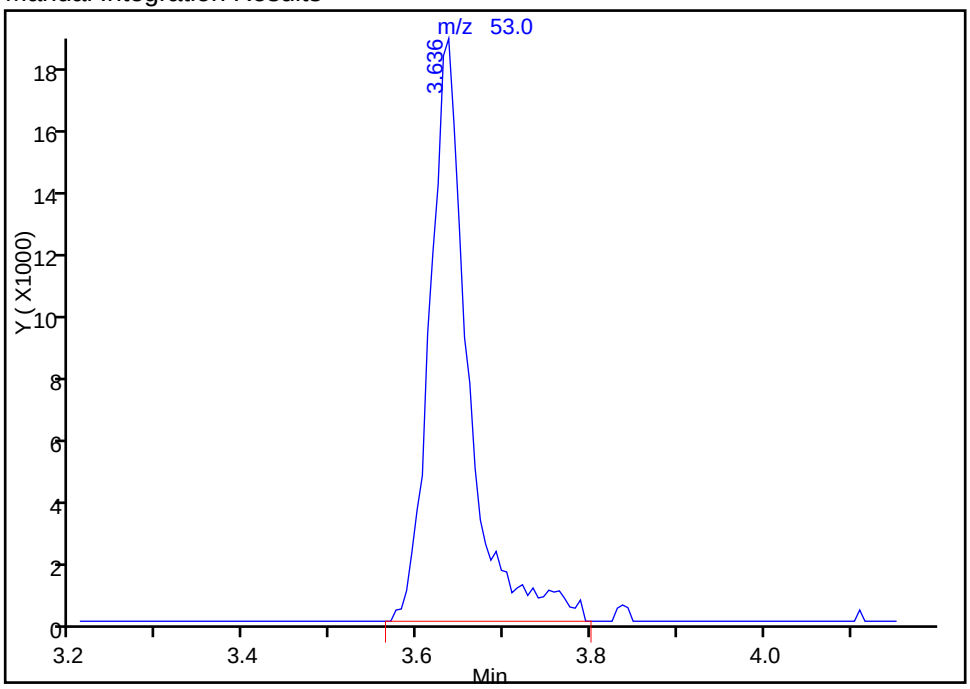
Processing Integration Results

RT: 3.64
Area: 54621
Amount: 26.570578
Amount Units: ug/kg



Manual Integration Results

RT: 3.64
Area: 57430
Amount: 27.720576
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:50:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

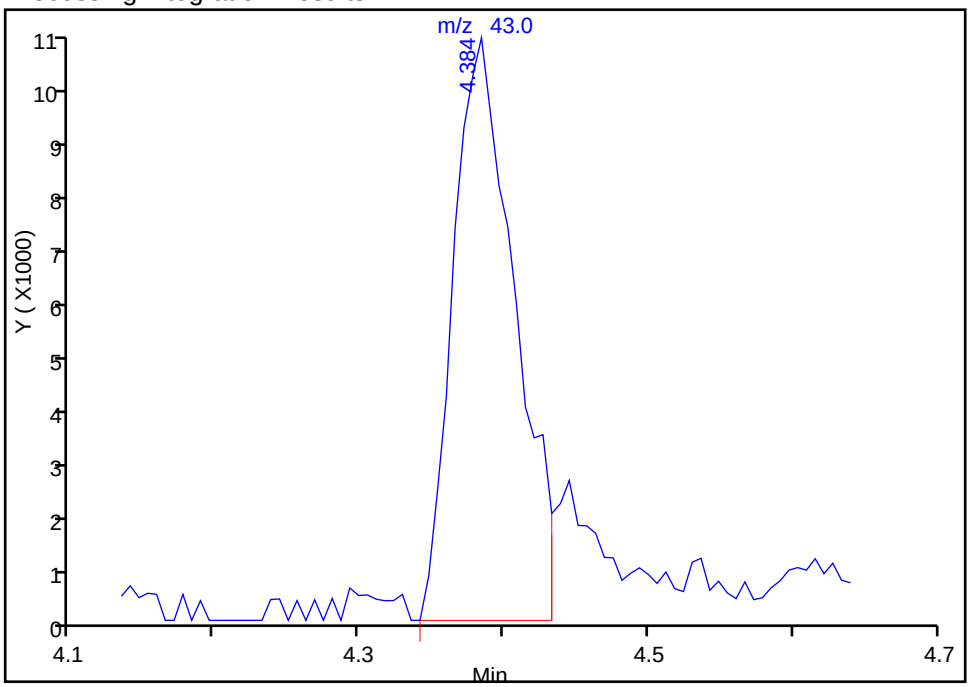
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

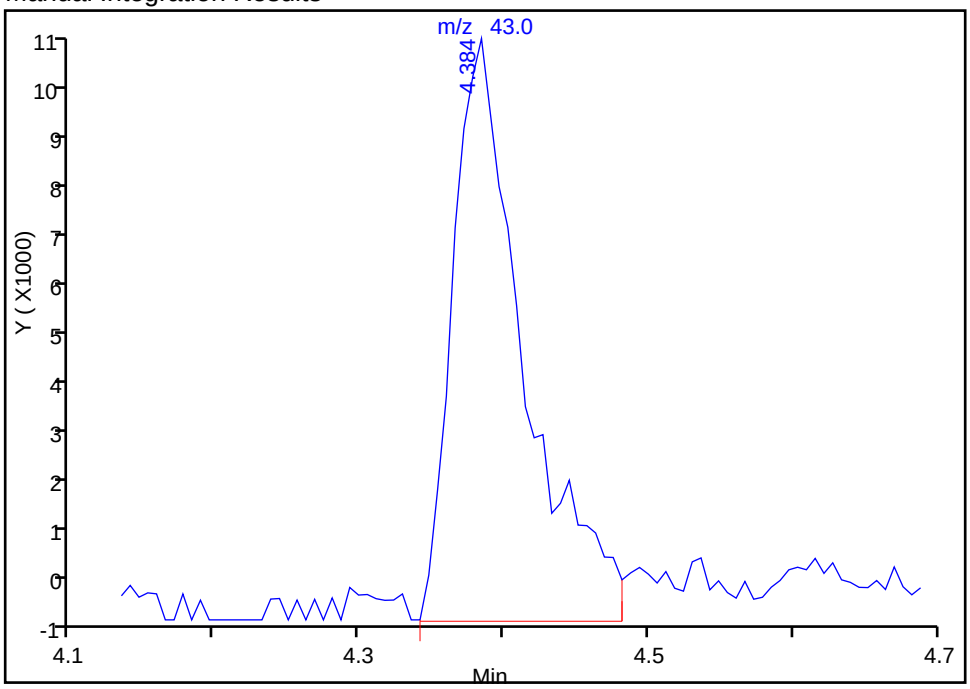
Processing Integration Results

RT: 4.38
Area: 31579
Amount: 11.750782
Amount Units: ug/kg



Manual Integration Results

RT: 4.38
Area: 36445
Amount: 13.398915
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:52:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

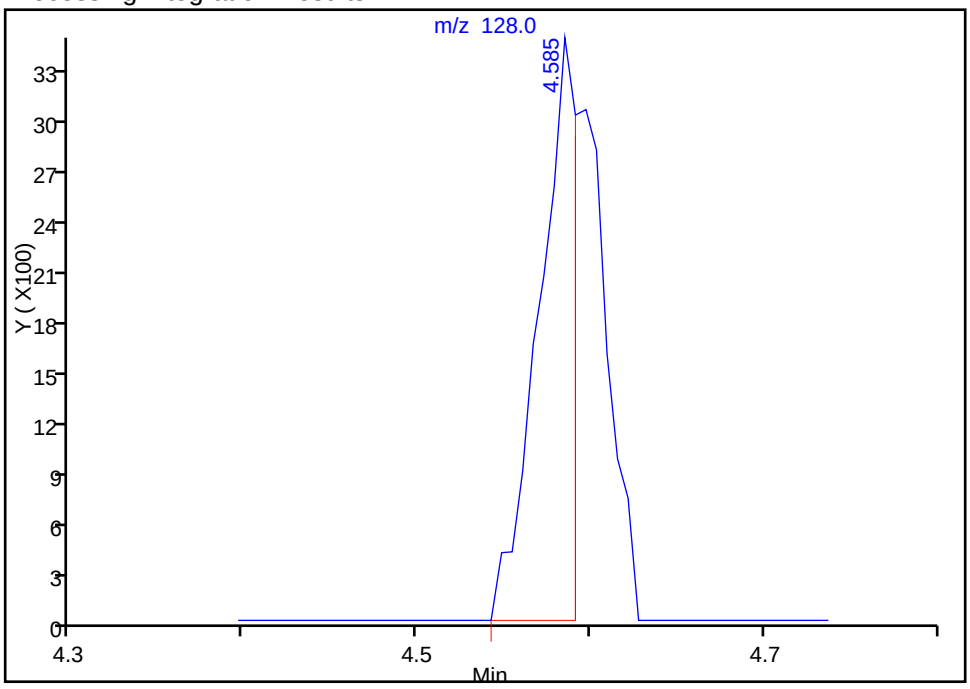
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

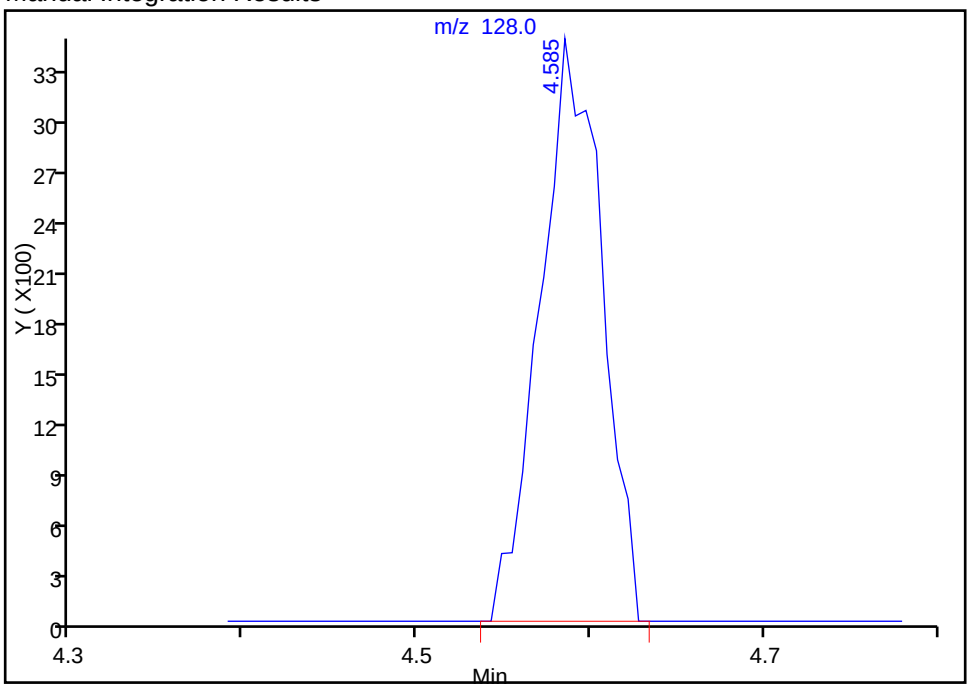
Processing Integration Results

RT: 4.59
Area: 5304
Amount: 1.906895
Amount Units: ug/kg



Manual Integration Results

RT: 4.59
Area: 8651
Amount: 2.502279
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:52:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

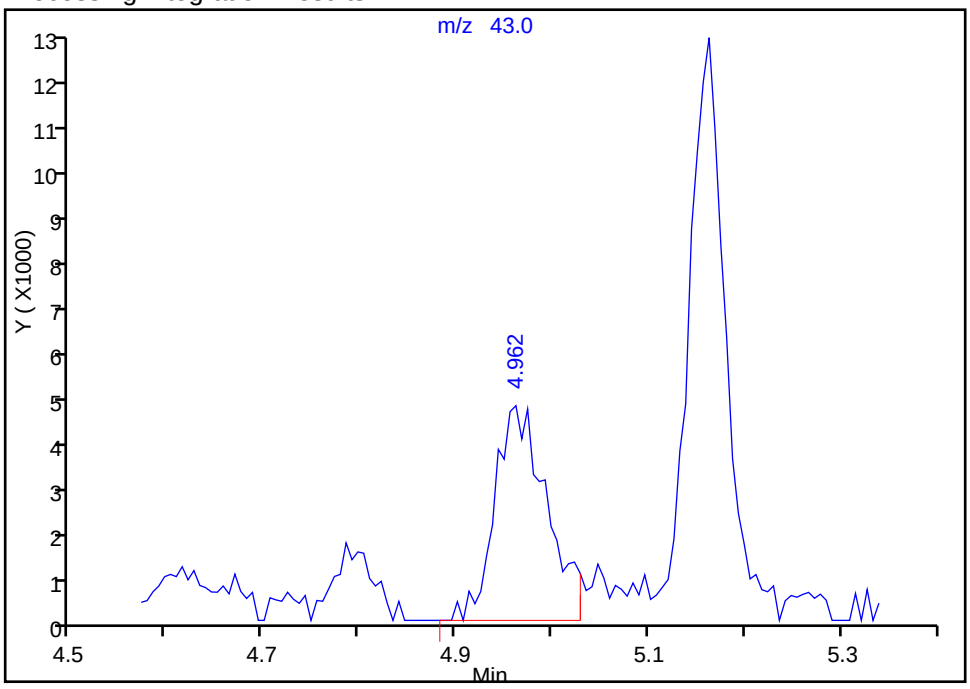
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

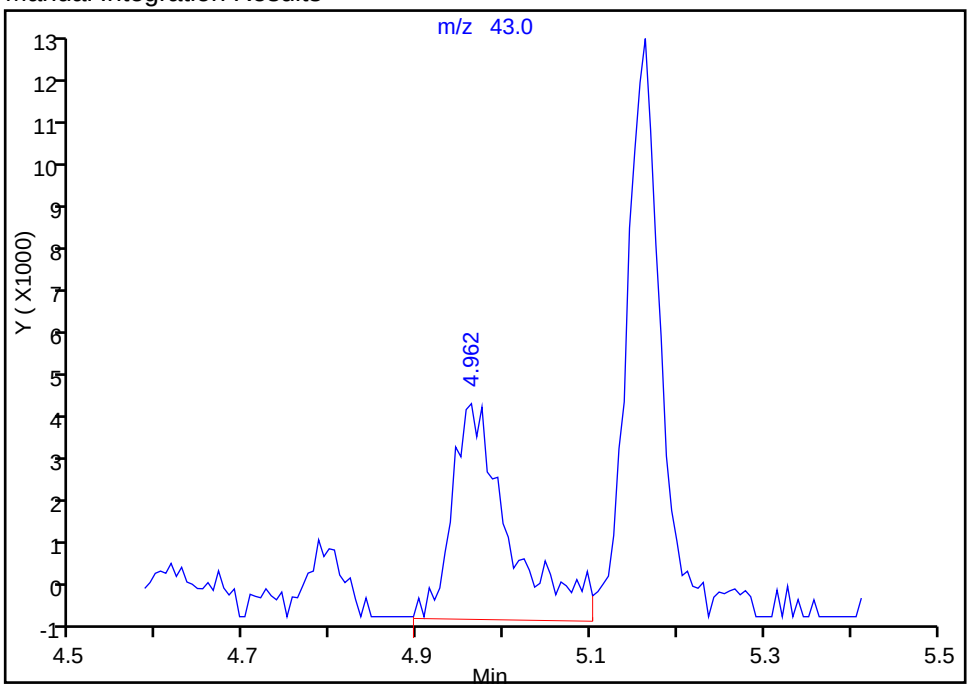
Processing Integration Results

RT: 4.96
Area: 16882
Amount: 68.159800
Amount Units: ug/kg



Manual Integration Results

RT: 4.96
Area: 20818
Amount: 81.105123
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:53:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

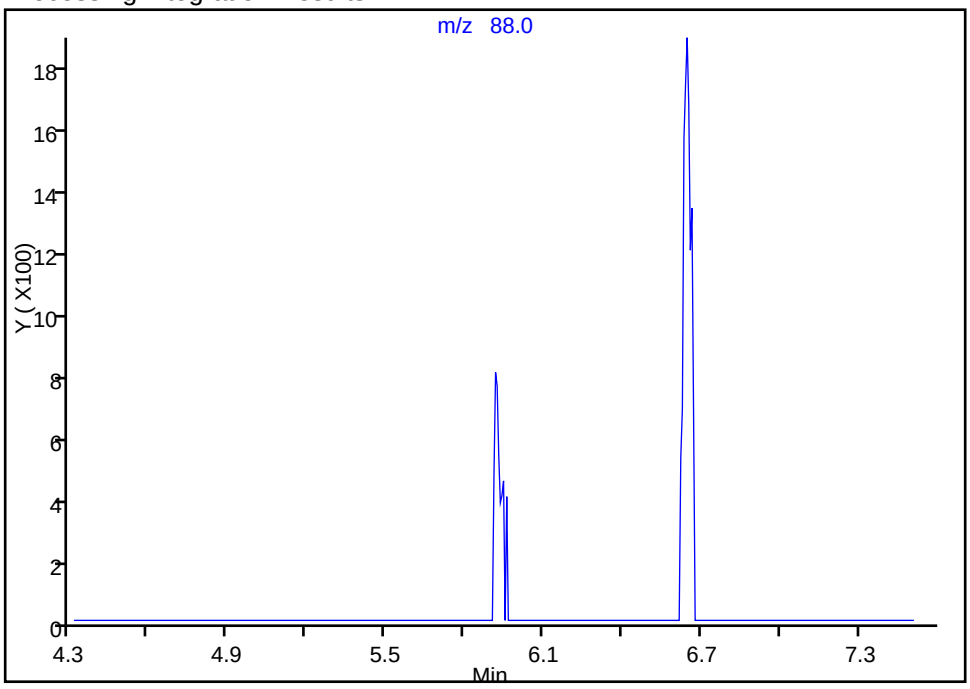
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7022.D
Injection Date: 08-Jun-2016 13:08:30 Instrument ID: HP5973F
Lims ID: IC
Client ID:
Operator ID: CDC ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

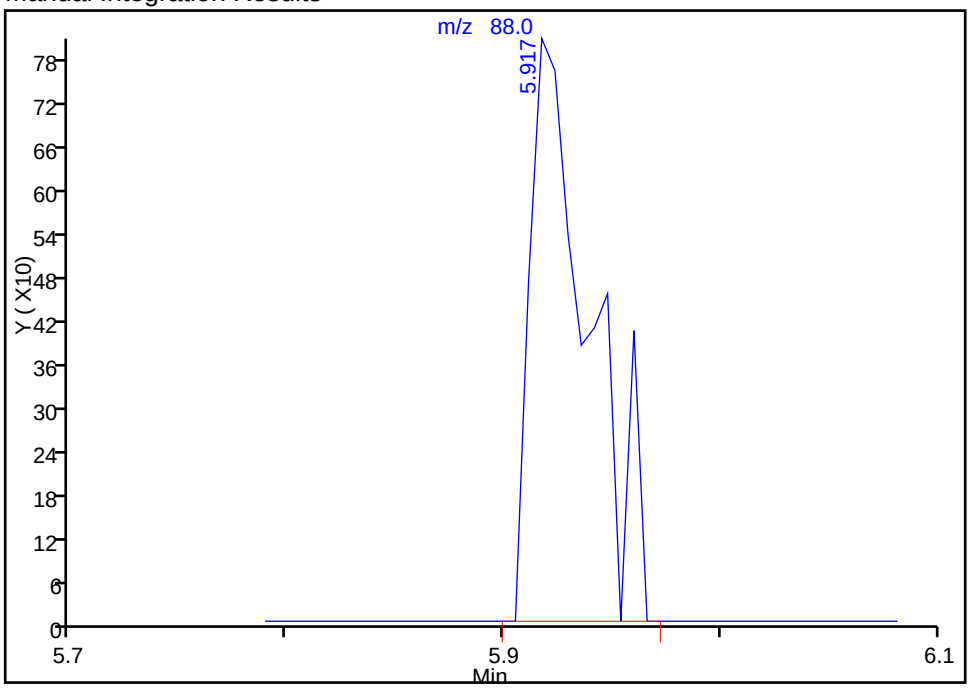
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.92
Area: 1531
Amount: 34.317420
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 09:53:40
Audit Action: Manually Integrated Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7023.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-Jun-2016 13:34:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0053862-006
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:06 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:56:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.285	-0.006	98	251418	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	513416	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	454041	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.756	4.762	-0.006	93	284764	50.0	49.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	181281	50.0	49.9	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	1114367	50.0	50.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	88	358848	50.0	50.2	
10 Dichlorodifluoromethane	85	1.848	1.860	-0.012	98	41684	5.00	5.30	
12 Chloromethane	50	1.987	2.006	-0.019	98	26012	5.00	4.95	
13 Vinyl chloride	62	2.103	2.121	-0.018	87	26718	5.00	4.96	
151 Butadiene	54	2.109	2.127	-0.018	95	24101	5.00	4.92	
14 Bromomethane	94	2.377	2.401	-0.024	91	19765	5.00	4.84	
15 Chloroethane	64	2.450	2.468	-0.018	97	15326	5.00	5.05	
16 Dichlorofluoromethane	67	2.614	2.626	-0.012	97	47440	5.00	5.06	
17 Trichlorofluoromethane	101	2.638	2.657	-0.019	94	48846	5.00	4.83	
18 Ethyl ether	59	2.833	2.845	-0.012	88	21044	5.00	4.82	
20 Acrolein	56	2.991	2.997	-0.006	99	26250	25.0	24.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	93	31151	5.00	4.85	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	31197	5.00	5.03	
23 Acetone	43	3.101	3.113	-0.012	99	51614	25.0	21.1	
25 Iodomethane	142	3.198	3.204	-0.006	99	57074	5.00	4.94	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	114432	5.00	5.06	
27 Methyl acetate	43	3.314	3.320	-0.006	96	102935	25.0	24.6	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	78	50033	5.00	5.34	
30 Methylene Chloride	84	3.423	3.435	-0.012	90	62231	5.00	4.99	
31 2-Methyl-2-propanol	59	3.478	3.490	-0.012	95	36620	50.0	50.4	
32 Methyl tert-butyl ether	73	3.569	3.575	-0.006	93	109479	5.00	4.91	
34 trans-1,2-Dichloroethene	96	3.606	3.618	-0.012	98	37348	5.00	5.22	
33 Acrylonitrile	53	3.630	3.630	0.000	98	106398	50.0	50.5	
35 Hexane	57	3.746	3.752	-0.006	92	70550	5.00	4.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	123906	10.0	10.1	
39 1,1-Dichloroethane	63	3.934	3.946	-0.012	96	63186	5.00	5.20	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	87	57745	5.00	4.89	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	90	63765	25.0	23.1	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	82	40154	5.00	5.14	
48 Chlorobromomethane	128	4.591	4.591	0.000	90	17345	5.00	4.94	
49 Tetrahydrofuran	42	4.616	4.610	0.006	53	18211	10.0	10.1	
50 Chloroform	83	4.628	4.628	0.000	93	67069	5.00	5.06	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	51	58013	5.00	4.96	
52 Cyclohexane	56	4.792	4.798	-0.006	87	57405	5.00	5.12	
54 1,1-Dichloropropene	75	4.877	4.883	-0.006	95	53700	5.00	5.13	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	80	48768	5.00	4.89	
53 Isobutyl alcohol	43	4.950	4.950	0.000	92	32184	125.0	123.4	
57 Benzene	78	5.066	5.072	-0.006	95	147923	5.00	5.28	
58 1,2-Dichloroethane	62	5.096	5.102	-0.006	97	51305	5.00	5.02	
59 n-Heptane	43	5.163	5.163	0.000	86	58072	5.00	5.62	
62 Trichloroethene	95	5.583	5.583	0.000	95	36663	5.00	4.90	
64 Methylcyclohexane	83	5.723	5.723	0.000	88	65496	5.00	4.98	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	94	33229	5.00	5.29	
66 1,4-Dioxane	88	5.930	5.911	0.019	32	4052	100.0	89.6	
67 Dibromomethane	93	5.930	5.936	-0.006	94	21471	5.00	4.97	
68 Dichlorobromomethane	83	6.039	6.045	-0.006	98	45870	5.00	4.73	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	91	16667	5.00	4.82	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	59997	5.00	5.00	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	94	140157	25.0	25.0	
74 Toluene	92	6.714	6.714	0.000	97	92876	5.00	5.22	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	95	52850	5.00	4.87	
75 Ethyl methacrylate	69	6.940	6.940	0.000	71	42956	5.00	4.85	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	91	25266	5.00	4.99	
81 Tetrachloroethene	166	7.232	7.232	0.000	98	39110	5.00	5.07	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	88	54152	5.00	5.08	
80 2-Hexanone	43	7.317	7.311	0.006	96	109500	25.0	25.8	
83 Chlorodibromomethane	129	7.542	7.536	0.006	89	30137	5.00	4.57	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	29715	5.00	4.81	
87 Chlorobenzene	112	8.120	8.114	0.006	95	98055	5.00	5.18	
88 Ethylbenzene	91	8.181	8.181	0.000	98	180052	5.00	5.42	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.193	0.006	94	32530	5.00	4.78	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	98	66750	5.00	5.16	
91 o-Xylene	106	8.722	8.728	-0.006	97	65201	5.00	5.21	
92 Styrene	104	8.752	8.752	0.000	93	110281	5.00	5.17	
95 Bromoform	173	9.020	9.020	0.000	96	18135	5.00	4.46	
94 Isopropylbenzene	105	9.099	9.099	0.000	95	169522	5.00	5.39	
101 Bromobenzene	156	9.482	9.482	0.000	92	42794	5.00	5.15	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.482	-0.006	73	38278	5.00	5.01	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	203597	5.00	5.43	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	65	12305	5.00	4.80	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	11470	5.00	4.67	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	38247	5.00	5.19	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	92	143049	5.00	5.26	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	38835	5.00	5.05	
106 tert-Butylbenzene	134	10.018	10.018	0.000	90	31368	5.00	5.17	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	146015	5.00	5.31	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	183070	5.00	5.45	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	156788	5.00	5.43	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	83762	5.00	5.29	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	93	83272	5.00	5.17	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	143820	5.00	5.43	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	96	77501	5.00	5.24	
117 1,2-Dibromo-3-Chloropropan	75	11.502	11.496	0.006	82	7084	5.00	4.71	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	94	50975	5.00	5.19	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	96	30175	5.00	5.19	
121 Naphthalene	128	12.354	12.354	0.000	98	112718	5.00	4.93	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	44533	5.00	4.94	
S 123 Total BTEX	1				0			26.3	
S 124 Xylenes, Total	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			9.87	

Reagents:

8260 CORP mix_00075	Amount Added:	5.00	Units: uL	
GAS CORP mix_00159	Amount Added:	5.00	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

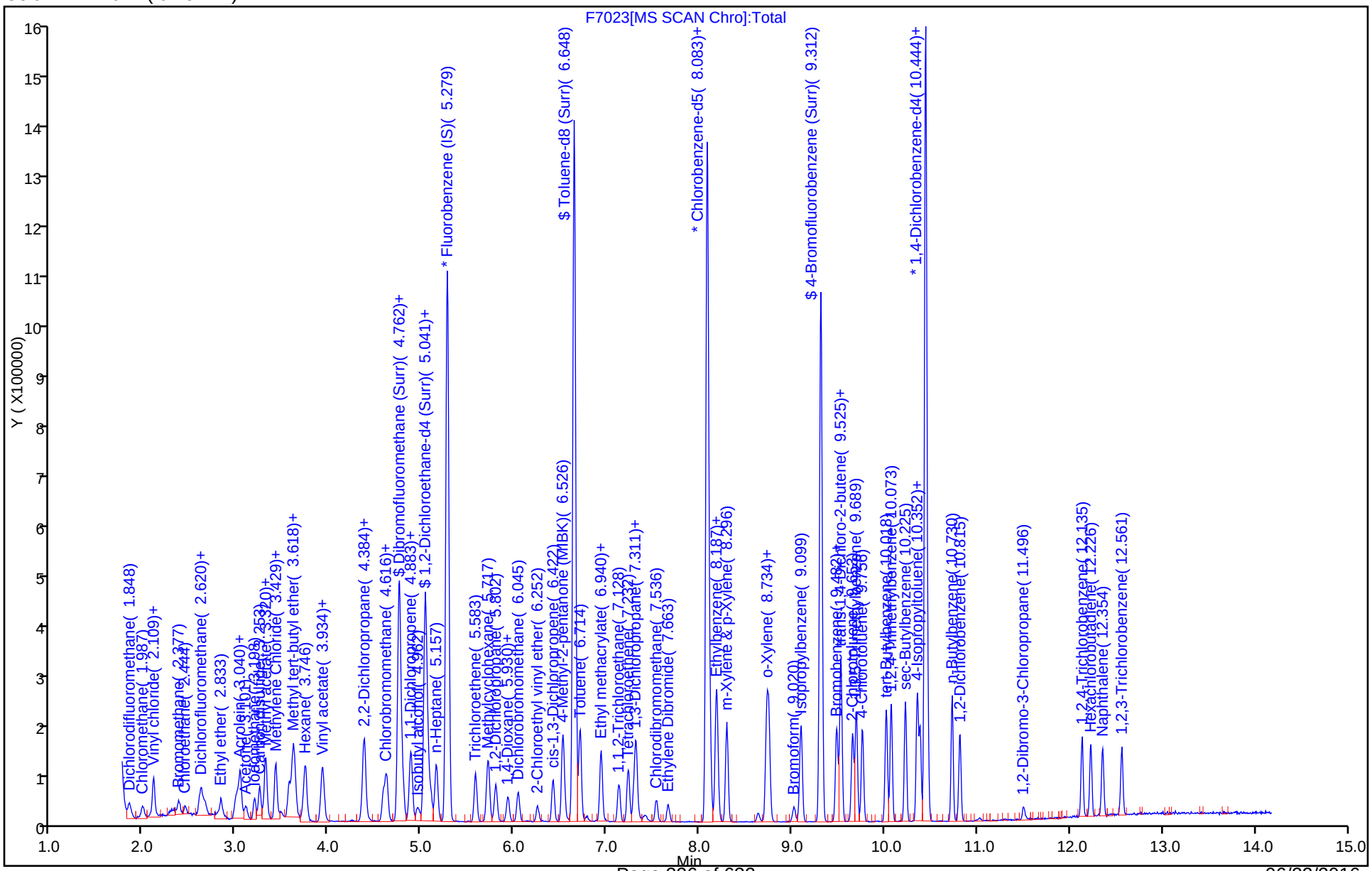
Report Date: 09-Jun-2016 10:46:07 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7023.D

Injection Date:	08-Jun-2016 13:34:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7024.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-Jun-2016 13:59:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0053862-007
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:10 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:58:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.285	-0.006	98	243959	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	506410	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	455272	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	93	282353	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	176753	50.0	50.2	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	1084833	50.0	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	346875	50.0	49.2	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	77271	10.0	10.1	
12 Chloromethane	50	1.994	2.006	-0.012	99	53681	10.0	10.5	
13 Vinyl chloride	62	2.103	2.121	-0.018	98	54825	10.0	10.5	
151 Butadiene	54	2.115	2.127	-0.012	94	49676	10.0	10.5	
14 Bromomethane	94	2.383	2.401	-0.018	93	39075	10.0	9.87	
15 Chloroethane	64	2.456	2.468	-0.012	98	29434	10.0	10.0	
16 Dichlorofluoromethane	67	2.614	2.626	-0.012	97	93468	10.0	10.3	
17 Trichlorofluoromethane	101	2.657	2.657	0.000	81	102597	10.0	10.4	
18 Ethyl ether	59	2.839	2.845	-0.006	87	38609	10.0	9.11	
20 Acrolein	56	2.997	2.997	0.000	99	51675	50.0	50.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	93	63195	10.0	10.1	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	60295	10.0	10.0	
23 Acetone	43	3.101	3.113	-0.012	100	100135	50.0	46.7	
25 Iodomethane	142	3.198	3.204	-0.006	99	114312	10.0	10.2	
26 Carbon disulfide	76	3.253	3.259	-0.006	98	226184	10.0	10.3	
27 Methyl acetate	43	3.320	3.320	0.000	94	208187	50.0	51.2	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	76	94193	10.0	10.4	
30 Methylene Chloride	84	3.429	3.435	-0.006	87	92012	10.0	9.69	
31 2-Methyl-2-propanol	59	3.490	3.490	0.000	95	63590	100.0	90.2	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	94	219498	10.0	10.1	
34 trans-1,2-Dichloroethene	96	3.618	3.618	0.000	99	71472	10.0	10.3	
33 Acrylonitrile	53	3.630	3.630	0.000	98	208982	100.0	102.3	
35 Hexane	57	3.746	3.752	-0.006	92	116023	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.928	3.928	0.000	97	238764	20.0	20.0	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	89	119440	10.0	10.1	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	79	115906	10.0	10.1	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	131899	50.0	49.2	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	82	76338	10.0	10.1	
48 Chlorobromomethane	128	4.585	4.591	-0.006	89	33711	10.0	9.89	
49 Tetrahydrofuran	42	4.616	4.610	0.006	52	32601	20.0	18.7	
50 Chloroform	83	4.628	4.628	0.000	92	129931	10.0	10.1	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	96	113559	10.0	10.0	
52 Cyclohexane	56	4.792	4.798	-0.006	88	112170	10.0	10.3	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	105056	10.0	10.3	
55 Carbon tetrachloride	117	4.895	4.895	0.000	97	97756	10.0	10.1	
53 Isobutyl alcohol	43	4.950	4.950	0.000	92	52096	250.0	205.9	
57 Benzene	78	5.066	5.072	-0.006	97	278764	10.0	10.3	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	95	101290	10.0	10.2	
59 n-Heptane	43	5.157	5.163	-0.006	86	102401	10.0	10.2	
62 Trichloroethene	95	5.583	5.583	0.000	97	74483	10.0	10.3	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	130505	10.0	10.2	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	93	61445	10.0	10.1	
66 1,4-Dioxane	88	5.917	5.911	0.006	30	8318	200.0	186.5	
67 Dibromomethane	93	5.936	5.936	0.000	96	41465	10.0	9.89	
68 Dichlorobromomethane	83	6.045	6.045	0.000	98	94770	10.0	10.1	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	32928	10.0	9.82	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	116178	10.0	9.97	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	277665	50.0	50.2	
74 Toluene	92	6.714	6.714	0.000	98	176226	10.0	10.0	
77 trans-1,3-Dichloropropene	75	6.933	6.940	-0.007	96	103815	10.0	9.70	
75 Ethyl methacrylate	69	6.939	6.940	-0.001	75	87252	10.0	10.0	
79 1,1,2-Trichloroethane	83	7.128	7.128	0.000	92	48403	10.0	9.70	
81 Tetrachloroethene	166	7.231	7.232	-0.001	96	74475	10.0	9.79	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	91	105776	10.0	10.1	
80 2-Hexanone	43	7.317	7.311	0.006	93	208599	50.0	49.8	
83 Chlorodibromomethane	129	7.542	7.536	0.006	89	62222	10.0	9.56	
84 Ethylene Dibromide	107	7.670	7.664	0.006	97	60945	10.0	10.0	
87 Chlorobenzene	112	8.114	8.114	0.000	94	187184	10.0	10.0	
88 Ethylbenzene	91	8.181	8.181	0.000	98	336983	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	94	66940	10.0	9.97	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	100	129419	10.0	10.1	
91 o-Xylene	106	8.728	8.728	0.000	97	125815	10.0	10.2	
92 Styrene	104	8.746	8.752	-0.006	93	213976	10.0	10.2	
95 Bromoform	173	9.020	9.020	0.000	95	35646	10.0	8.88	
94 Isopropylbenzene	105	9.099	9.099	0.000	96	323529	10.0	10.3	
101 Bromobenzene	156	9.482	9.482	0.000	93	82918	10.0	9.94	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	74	75031	10.0	9.78	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	396079	10.0	10.5	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	42	25488	10.0	9.92	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	52	23422	10.0	9.51	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	72358	10.0	9.80	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	92	280681	10.0	10.3	
105 4-Chlorotoluene	126	9.756	9.762	-0.006	98	76099	10.0	9.87	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	60935	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	-0.001	97	283994	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	347829	10.0	10.3	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	302321	10.0	10.4	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	98	160124	10.0	10.1	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	162025	10.0	10.0	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	273851	10.0	10.3	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	150153	10.0	10.1	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	86	13256	10.0	8.79	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	95	97921	10.0	9.94	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	96	58226	10.0	9.98	
121 Naphthalene	128	12.354	12.354	0.000	97	233531	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	90270	10.0	10.0	
S 123 Total BTEX	1				0			50.9	
S 124 Xylenes, Total	1				0			20.3	
S 125 1,2-Dichloroethene, Total	1				0			20.4	
S 126 1,3-Dichloropropene, Total	1				0			19.7	

Reagents:

8260 CORP mix_00075	Amount Added: 10.00	Units: uL	
GAS CORP mix_00159	Amount Added: 10.00	Units: uL	
F 8260 SURR_00149	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added: 1.00	Units: uL	Run Reagent

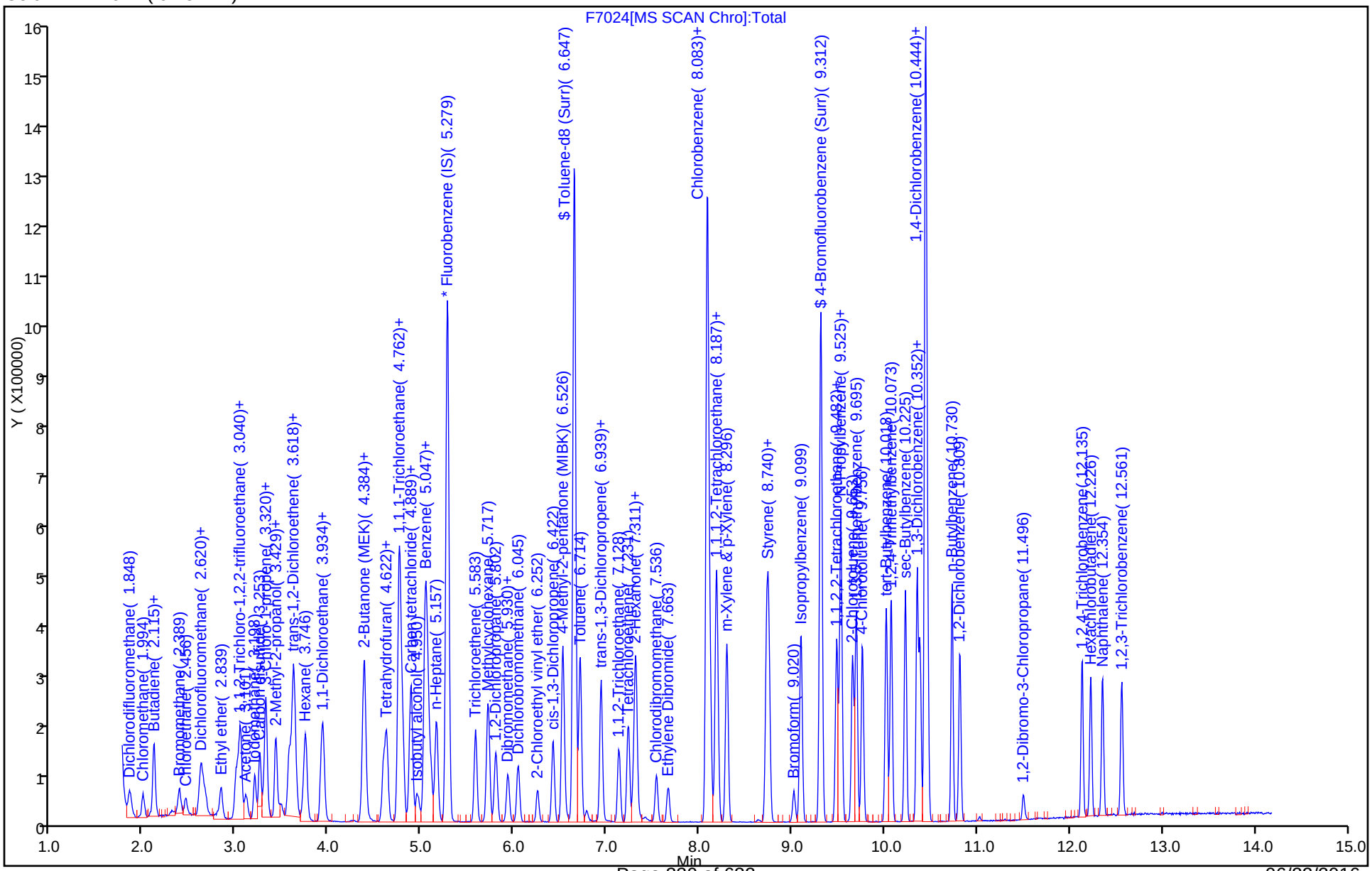
Report Date: 09-Jun-2016 10:46:12 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7024.D

Injection Date:	08-Jun-2016 13:59:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7025.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-Jun-2016 14:25:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0053862-008
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:15 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:59:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.272	5.285	-0.013	98	245861	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	508407	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	457821	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	93	284426	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	180103	50.0	50.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	1089463	50.0	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	351880	50.0	49.7	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	152105	20.0	19.8	
12 Chloromethane	50	2.000	2.006	-0.006	99	106302	20.0	20.7	
13 Vinyl chloride	62	2.109	2.121	-0.012	99	108506	20.0	20.6	
151 Butadiene	54	2.115	2.127	-0.012	95	97823	20.0	20.4	
14 Bromomethane	94	2.389	2.401	-0.012	91	80396	20.0	20.2	
15 Chloroethane	64	2.456	2.468	-0.012	100	61996	20.0	20.9	
16 Dichlorofluoromethane	67	2.614	2.626	-0.012	97	187649	20.0	20.5	
17 Trichlorofluoromethane	101	2.644	2.657	-0.013	99	201273	20.0	20.3	
18 Ethyl ether	59	2.839	2.845	-0.006	87	88123	20.0	20.6	
20 Acrolein	56	2.997	2.997	0.000	99	111221	100.0	106.9	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	93	128663	20.0	20.5	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	125781	20.0	20.7	
23 Acetone	43	3.101	3.113	-0.012	99	227931	100.0	111.3	
25 Iodomethane	142	3.198	3.204	-0.006	99	234813	20.0	20.8	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	456798	20.0	20.7	
27 Methyl acetate	43	3.320	3.320	0.000	95	453331	100.0	110.7	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	77	191292	20.0	20.9	
30 Methylene Chloride	84	3.429	3.435	-0.006	88	176162	20.0	22.0	
31 2-Methyl-2-propanol	59	3.484	3.490	-0.006	97	144836	200.0	203.9	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	464277	20.0	21.3	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	99	144997	20.0	20.7	
33 Acrylonitrile	53	3.630	3.630	0.000	97	451118	200.0	219.2	
35 Hexane	57	3.746	3.752	-0.006	92	228228	20.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	519741	40.0	43.3	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	245338	20.0	20.6	
44 2,2-Dichloropropane	77	4.378	4.378	0.000	81	236800	20.0	20.5	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	301392	100.0	111.5	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	83	159289	20.0	20.9	
48 Chlorobromomethane	128	4.585	4.591	-0.006	93	73005	20.0	21.3	
49 Tetrahydrofuran	42	4.609	4.610	-0.001	81	75959	40.0	43.3	
50 Chloroform	83	4.622	4.628	-0.006	93	265942	20.0	20.5	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	233424	20.0	20.4	
52 Cyclohexane	56	4.792	4.798	-0.006	88	229461	20.0	20.9	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	96	211097	20.0	20.6	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	98	197756	20.0	20.3	
53 Isobutyl alcohol	43	4.956	4.950	0.006	93	126775	500.0	497.1	
57 Benzene	78	5.066	5.072	-0.006	96	571453	20.0	20.9	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	97	211038	20.0	21.1	
59 n-Heptane	43	5.163	5.163	0.000	86	200258	20.0	19.8	
62 Trichloroethene	95	5.583	5.583	0.000	97	153214	20.0	20.9	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	262653	20.0	20.4	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	92	128324	20.0	20.9	
66 1,4-Dioxane	88	5.911	5.911	0.000	89	17283	400.0	385.9	
67 Dibromomethane	93	5.930	5.936	-0.006	97	88892	20.0	21.0	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	198845	20.0	21.0	
69 2-Chloroethyl vinyl ether	63	6.246	6.252	-0.006	94	71456	20.0	21.1	
72 cis-1,3-Dichloropropene	75	6.416	6.422	-0.006	95	245632	20.0	20.9	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	612990	100.0	110.3	
74 Toluene	92	6.714	6.714	0.000	98	361224	20.0	20.5	
77 trans-1,3-Dichloropropene	75	6.939	6.940	-0.001	97	224258	20.0	20.9	
75 Ethyl methacrylate	69	6.939	6.940	-0.001	74	187364	20.0	21.4	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	92	105314	20.0	21.0	
81 Tetrachloroethene	166	7.231	7.232	-0.001	97	156345	20.0	20.5	
82 1,3-Dichloropropane	76	7.292	7.298	-0.006	97	221017	20.0	20.9	
80 2-Hexanone	43	7.310	7.311	-0.001	94	461232	100.0	109.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	133476	20.0	20.4	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	128748	20.0	21.1	
87 Chlorobenzene	112	8.114	8.114	0.000	93	387937	20.0	20.7	
88 Ethylbenzene	91	8.180	8.181	-0.001	98	691905	20.0	21.0	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	94	140744	20.0	20.9	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	264886	20.0	20.7	
91 o-Xylene	106	8.728	8.728	0.000	96	255559	20.0	20.6	
92 Styrene	104	8.746	8.752	-0.006	93	443541	20.0	21.0	
95 Bromoform	173	9.020	9.020	0.000	96	81811	20.0	20.3	
94 Isopropylbenzene	105	9.093	9.099	-0.006	96	664128	20.0	21.0	
101 Bromobenzene	156	9.482	9.482	0.000	93	175151	20.0	20.9	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.482	-0.006	77	164689	20.0	21.4	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	799993	20.0	21.2	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	61	55130	20.0	21.3	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	80	52136	20.0	21.1	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	151299	20.0	20.4	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	578788	20.0	21.1	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	160590	20.0	20.7	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	130346	20.0	21.3	
107 1,2,4-Trimethylbenzene	105	10.072	10.073	-0.001	97	579358	20.0	20.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	94	708663	20.0	20.9	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	610175	20.0	20.9	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	96	331824	20.0	20.8	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	333900	20.0	20.6	
115 n-Butylbenzene	91	10.729	10.730	-0.001	98	563917	20.0	21.1	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	308105	20.0	20.7	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	83	31826	20.0	21.0	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	205110	20.0	20.7	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	119716	20.0	20.4	
121 Naphthalene	128	12.354	12.354	0.000	97	494383	20.0	21.4	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	189997	20.0	20.9	
S 123 Total BTEX	1				0			103.7	
S 124 Xylenes, Total	1				0			41.3	
S 125 1,2-Dichloroethene, Total	1				0			41.6	
S 126 1,3-Dichloropropene, Total	1				0			41.8	

Reagents:

8260 CORP mix_00075	Amount Added:	10.00	Units: uL	
GAS CORP mix_00159	Amount Added:	10.00	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

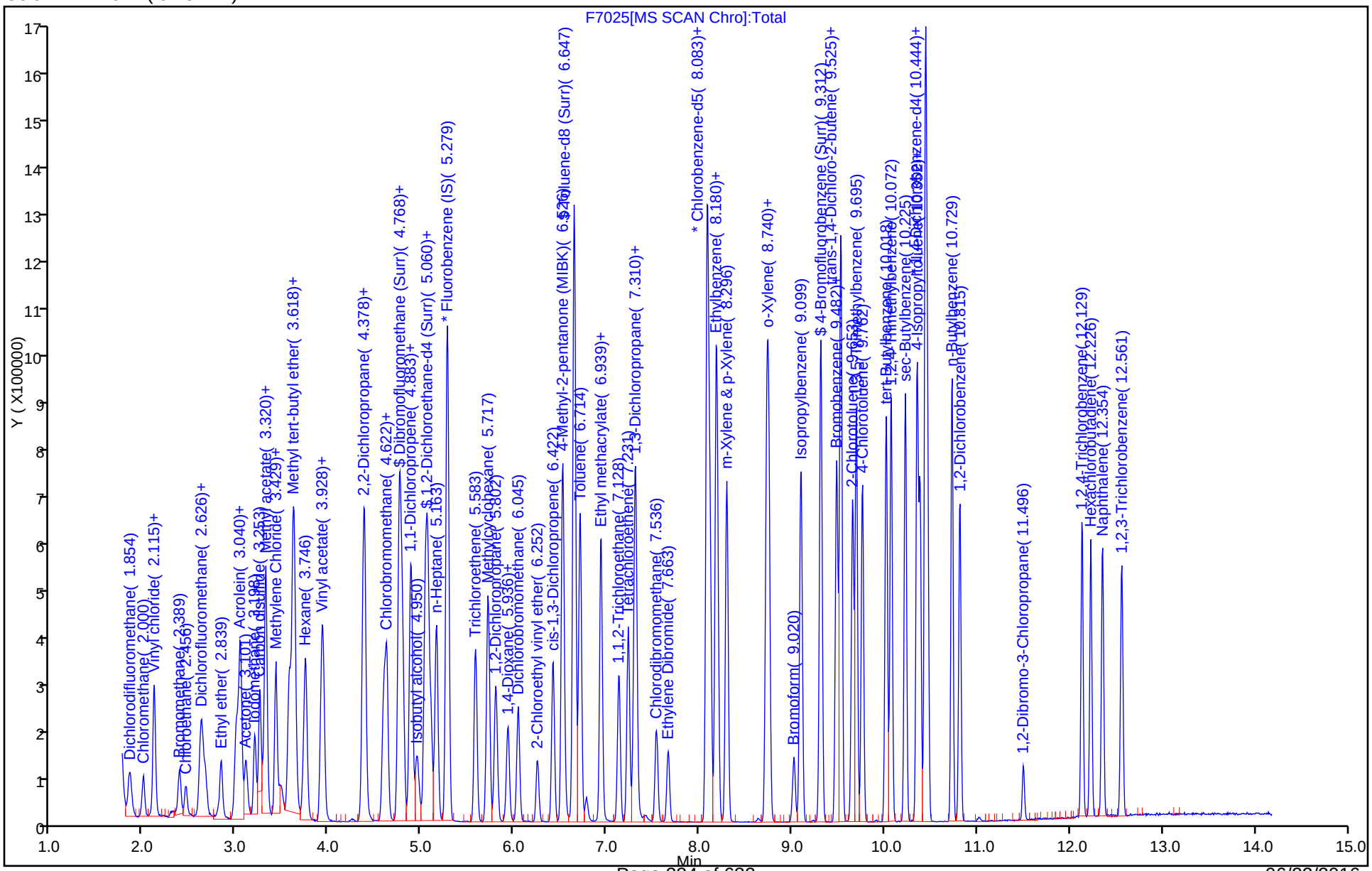
Report Date: 09-Jun-2016 10:46:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7025.D

Injection Date:	08-Jun-2016 14:25:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7026.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 08-Jun-2016 14:51:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0053862-009
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:21 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 09:45:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	245779	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	499170	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	450599	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.762	4.762	0.000	93	282241	50.0	50.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	177130	50.0	49.9	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	1080743	50.0	50.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	350968	50.0	50.5	
10 Dichlorodifluoromethane	85	1.860	1.860	0.000	99	383101	50.0	49.8	
12 Chloromethane	50	2.006	2.006	0.000	99	255152	50.0	49.6	
13 Vinyl chloride	62	2.121	2.121	0.000	99	264798	50.0	50.3	
151 Butadiene	54	2.127	2.127	0.000	94	235540	50.0	49.2	
14 Bromomethane	94	2.401	2.401	0.000	92	199967	50.0	50.1	
15 Chloroethane	64	2.468	2.468	0.000	99	153773	50.0	51.9	
16 Dichlorofluoromethane	67	2.626	2.626	0.000	96	467398	50.0	51.0	
17 Trichlorofluoromethane	101	2.657	2.657	0.000	98	501329	50.0	50.7	
18 Ethyl ether	59	2.845	2.845	0.000	89	221444	50.0	51.8	
20 Acrolein	56	2.997	2.997	0.000	99	247621	250.0	238.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	92	317412	50.0	50.6	
22 1,1-Dichloroethene	96	3.052	3.052	0.000	98	305097	50.0	50.3	
23 Acetone	43	3.113	3.113	0.000	99	513275	250.0	256.4	
25 Iodomethane	142	3.204	3.204	0.000	99	562296	50.0	49.7	
26 Carbon disulfide	76	3.259	3.259	0.000	99	1114693	50.0	50.4	
27 Methyl acetate	43	3.320	3.320	0.000	96	1010569	250.0	246.9	
28 3-Chloro-1-propene	41	3.326	3.326	0.000	85	463546	50.0	50.6	
30 Methylene Chloride	84	3.435	3.435	0.000	90	384411	50.0	52.8	
31 2-Methyl-2-propanol	59	3.490	3.490	0.000	99	320133	500.0	450.9	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	1082245	50.0	49.7	
34 trans-1,2-Dichloroethene	96	3.618	3.618	0.000	98	347210	50.0	49.6	
33 Acrylonitrile	53	3.630	3.630	0.000	98	987684	500.0	480.0	
35 Hexane	57	3.752	3.752	0.000	91	527468	50.0	53.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.928	3.928	0.000	97	1208186	100.0	100.6	
39 1,1-Dichloroethane	63	3.946	3.946	0.000	96	582917	50.0	49.1	
44 2,2-Dichloropropane	77	4.378	4.378	0.000	77	577058	50.0	50.0	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	674277	250.0	249.6	
45 cis-1,2-Dichloroethene	96	4.391	4.391	0.000	82	378766	50.0	49.6	
48 Chlorobromomethane	128	4.591	4.591	0.000	90	173082	50.0	50.4	
49 Tetrahydrofuran	42	4.610	4.610	0.000	81	171330	100.0	97.6	
50 Chloroform	83	4.628	4.628	0.000	94	639089	50.0	49.3	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	574943	50.0	50.3	
52 Cyclohexane	56	4.798	4.798	0.000	86	539973	50.0	49.2	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	507347	50.0	49.6	
55 Carbon tetrachloride	117	4.895	4.895	0.000	98	495218	50.0	50.8	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	284475	1250.0	1115.9	
57 Benzene	78	5.072	5.072	0.000	96	1370127	50.0	50.0	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	97	490572	50.0	49.1	
59 n-Heptane	43	5.163	5.163	0.000	87	487205	50.0	48.2	
62 Trichloroethene	95	5.583	5.583	0.000	97	366212	50.0	50.1	
64 Methylcyclohexane	83	5.723	5.723	0.000	87	650616	50.0	50.6	
65 1,2-Dichloropropane	63	5.808	5.808	0.000	93	302620	50.0	49.2	
66 1,4-Dioxane	88	5.911	5.911	0.000	91	44355	1000.0	1008.8	
67 Dibromomethane	93	5.936	5.936	0.000	96	212082	50.0	50.2	
68 Dichlorobromomethane	83	6.045	6.045	0.000	100	475945	50.0	50.2	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	165533	50.0	49.0	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	589869	50.0	50.3	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	94	1342423	250.0	246.0	
74 Toluene	92	6.714	6.714	0.000	99	863005	50.0	49.9	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	96	541876	50.0	51.4	
75 Ethyl methacrylate	69	6.940	6.940	0.000	74	437503	50.0	50.8	
79 1,1,2-Trichloroethane	83	7.128	7.128	0.000	92	245713	50.0	50.0	
81 Tetrachloroethene	166	7.232	7.232	0.000	98	374734	50.0	50.0	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	96	511117	50.0	49.3	
80 2-Hexanone	43	7.311	7.311	0.000	94	1006060	250.0	243.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	334976	50.0	52.2	
84 Ethylene Dibromide	107	7.664	7.664	0.000	99	297033	50.0	49.5	
87 Chlorobenzene	112	8.114	8.114	0.000	93	909474	50.0	49.5	
88 Ethylbenzene	91	8.181	8.181	0.000	98	1610165	50.0	49.8	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	93	340254	50.0	51.4	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	619909	50.0	49.3	
91 o-Xylene	106	8.728	8.728	0.000	97	608471	50.0	50.0	
92 Styrene	104	8.752	8.752	0.000	93	1030929	50.0	49.7	
95 Bromoform	173	9.020	9.020	0.000	96	205722	50.0	52.0	
94 Isopropylbenzene	105	9.099	9.099	0.000	96	1558813	50.0	50.0	
101 Bromobenzene	156	9.482	9.482	0.000	93	408351	50.0	49.5	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	86	374899	50.0	49.4	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	1852449	50.0	49.8	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	59	128769	50.0	50.6	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	121124	50.0	49.7	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	352680	50.0	48.3	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1342095	50.0	49.8	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	376019	50.0	49.3	
106 tert-Butylbenzene	134	10.018	10.018	0.000	92	303575	50.0	50.5	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	1366558	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1678637	50.0	50.4	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	1428499	50.0	49.8	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	770542	50.0	49.1	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	95	782809	50.0	49.0	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	1324825	50.0	50.4	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	728495	50.0	49.7	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	85	74480	50.0	49.9	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	479016	50.0	49.1	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	287180	50.0	49.7	
121 Naphthalene	128	12.354	12.354	0.000	97	1113678	50.0	49.0	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	435837	50.0	48.8	

Reagents:

8260 CORP mix_00075	Amount Added: 25.00	Units: uL	
GAS CORP mix_00159	Amount Added: 25.00	Units: uL	
F 8260 SURR_00149	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added: 1.00	Units: uL	Run Reagent

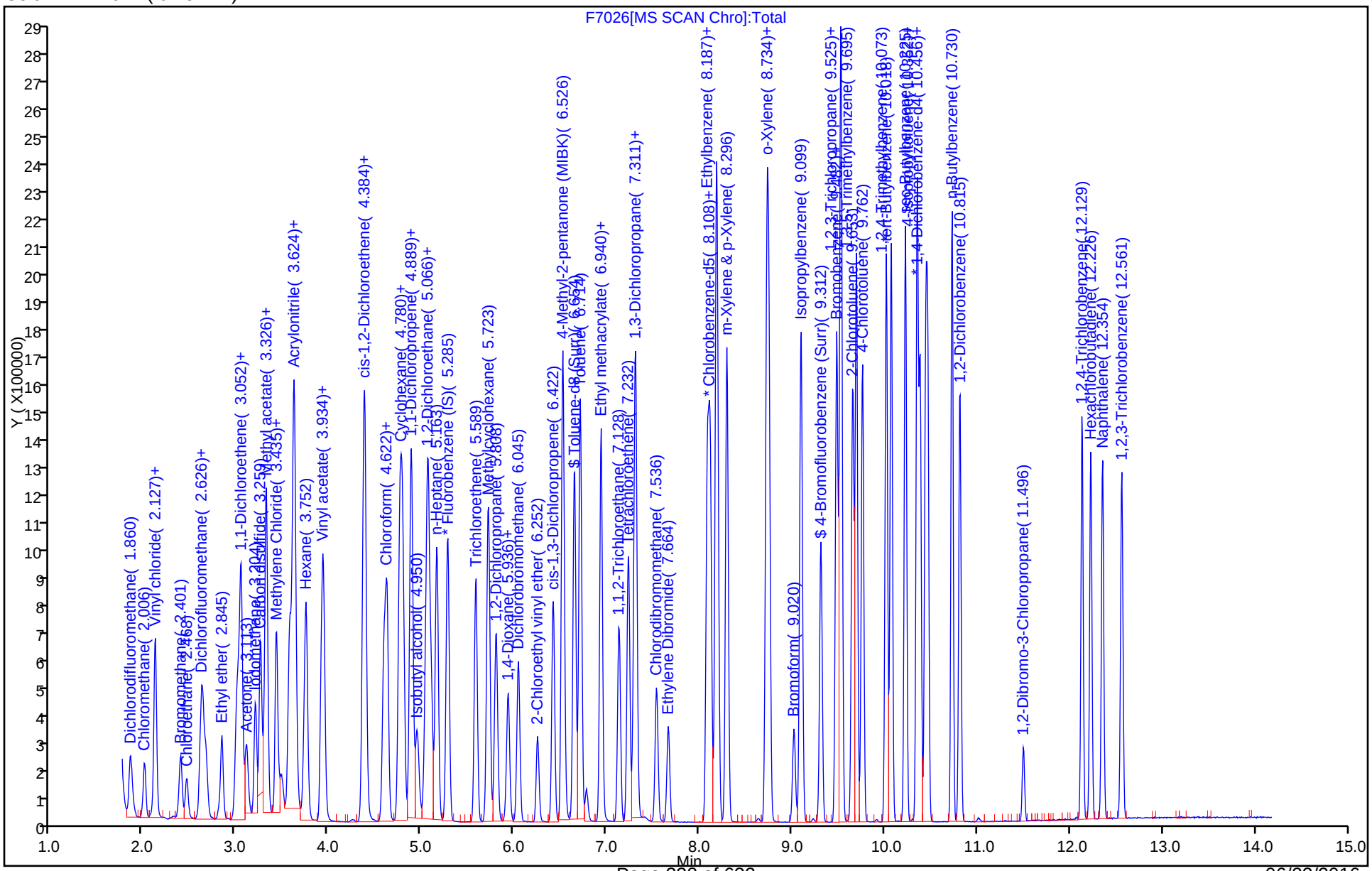
Report Date: 09-Jun-2016 10:46:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7026.D

Injection Date:	08-Jun-2016 14:51:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7027.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 08-Jun-2016 15:17:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0053862-010
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:28 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 10:00:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	249574	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	86	505094	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	450668	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.756	4.762	-0.006	92	283779	50.0	49.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	179575	50.0	49.8	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	1104385	50.0	50.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	356109	50.0	50.7	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	760306	100.0	97.4	
12 Chloromethane	50	2.006	2.006	0.000	98	513838	100.0	98.4	
13 Vinyl chloride	62	2.115	2.121	-0.006	98	526428	100.0	98.5	
151 Butadiene	54	2.121	2.127	-0.006	95	477808	100.0	98.3	
14 Bromomethane	94	2.395	2.401	-0.006	91	393828	100.0	97.2	
15 Chloroethane	64	2.456	2.468	-0.012	100	312335	100.0	103.7	
16 Dichlorofluoromethane	67	2.620	2.626	-0.006	97	936907	100.0	100.6	
17 Trichlorofluoromethane	101	2.651	2.657	-0.006	99	1000304	100.0	99.6	
18 Ethyl ether	59	2.839	2.845	-0.006	89	469617	100.0	108.3	
20 Acrolein	56	2.991	2.997	-0.006	98	501293	500.0	474.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	93	634643	100.0	99.6	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	99	615814	100.0	99.9	
23 Acetone	43	3.101	3.113	-0.012	99	1023716	500.0	508.1	
25 Iodomethane	142	3.198	3.204	-0.006	99	1133087	100.0	98.7	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	2145343	100.0	95.6	
27 Methyl acetate	43	3.314	3.320	-0.006	95	2022286	500.0	486.6	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	87	902438	100.0	97.0	
30 Methylene Chloride	84	3.429	3.435	-0.006	86	735360	100.0	103.0	
31 2-Methyl-2-propanol	59	3.484	3.490	-0.006	99	723588	1000.0	1003.6	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	2176358	100.0	98.3	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	99	684159	100.0	96.3	
33 Acrylonitrile	53	3.624	3.630	-0.006	98	1998802	1000.0	956.6	
35 Hexane	57	3.746	3.752	-0.006	91	997284	100.0	102.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.928	-0.006	97	2374646	200.0	194.8	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	1145708	100.0	95.0	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	85	1146987	100.0	97.8	
43 2-Butanone (MEK)	43	4.372	4.378	-0.006	98	1367650	500.0	498.6	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	83	746079	100.0	96.3	
48 Chlorobromomethane	128	4.591	4.591	0.000	91	348274	100.0	99.9	
49 Tetrahydrofuran	42	4.610	4.610	0.000	83	356164	200.0	199.8	
50 Chloroform	83	4.628	4.628	0.000	94	1270293	100.0	96.5	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	1142540	100.0	98.5	
52 Cyclohexane	56	4.792	4.798	-0.006	87	1063664	100.0	95.5	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	999302	100.0	96.2	
55 Carbon tetrachloride	117	4.895	4.895	0.000	98	992622	100.0	100.3	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	646287	2500.0	2496.6	
57 Benzene	78	5.072	5.072	0.000	96	2651299	100.0	95.3	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	979371	100.0	96.5	
59 n-Heptane	43	5.163	5.163	0.000	86	943821	100.0	92.0	
62 Trichloroethene	95	5.583	5.583	0.000	97	729997	100.0	98.3	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	1260279	100.0	96.5	
65 1,2-Dichloropropane	63	5.802	5.808	-0.006	91	598041	100.0	95.8	
66 1,4-Dioxane	88	5.905	5.911	-0.006	89	94256	2000.0	2118.6	
67 Dibromomethane	93	5.930	5.936	-0.006	97	424010	100.0	98.9	
68 Dichlorobromomethane	83	6.045	6.045	0.000	100	980082	100.0	101.9	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	93	344336	100.0	100.4	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	1183472	100.0	99.3	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	93	2670568	500.0	483.7	
74 Toluene	92	6.714	6.714	0.000	99	1696563	100.0	96.9	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	96	1083487	100.0	101.5	
75 Ethyl methacrylate	69	6.940	6.940	0.000	86	885141	100.0	101.6	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	92	489913	100.0	98.4	
81 Tetrachloroethene	166	7.232	7.232	0.000	98	740044	100.0	97.6	
82 1,3-Dichloropropane	76	7.292	7.298	-0.006	97	1013792	100.0	96.7	
80 2-Hexanone	43	7.311	7.311	0.000	93	2024686	500.0	484.7	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	695421	100.0	107.2	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	615077	100.0	101.2	
87 Chlorobenzene	112	8.114	8.114	0.000	93	1791918	100.0	96.3	
88 Ethylbenzene	91	8.181	8.181	0.000	98	3074773	100.0	94.0	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.193	0.006	93	699163	100.0	104.4	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	100	1233228	100.0	96.9	
91 o-Xylene	106	8.728	8.728	0.000	96	1195048	100.0	97.1	
92 Styrene	104	8.752	8.752	0.000	93	2037862	100.0	97.1	
95 Bromoform	173	9.020	9.020	0.000	97	444245	100.0	111.0	
94 Isopropylbenzene	105	9.099	9.099	0.000	97	3009996	100.0	96.5	
101 Bromobenzene	156	9.482	9.482	0.000	93	812487	100.0	98.4	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	92	764380	100.0	100.7	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	3463804	100.0	93.1	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	73	263941	100.0	103.7	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	247897	100.0	101.7	
103 2-Chlorotoluene	126	9.659	9.653	0.006	96	716914	100.0	98.1	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	94	2605073	100.0	96.6	
105 4-Chlorotoluene	126	9.762	9.762	0.000	98	750848	100.0	98.4	
106 tert-Butylbenzene	134	10.018	10.018	0.000	90	594353	100.0	98.8	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	2626088	100.0	96.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	3130242	100.0	93.9	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	95	2722669	100.0	95.0	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	1531755	100.0	97.5	
113 1,4-Dichlorobenzene	146	10.468	10.462	0.006	95	1544961	100.0	96.6	
115 n-Butylbenzene	91	10.730	10.730	0.000	96	2507565	100.0	95.3	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	1445835	100.0	98.6	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	91	161252	100.0	108.0	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	95	965042	100.0	98.9	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	575789	100.0	99.7	
121 Naphthalene	128	12.354	12.354	0.000	98	2255683	100.0	99.3	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	893242	100.0	99.9	
S 123 Total BTEX	1				0			480.2	
S 124 Xylenes, Total	1				0			193.9	
S 125 1,2-Dichloroethene, Total	1				0			192.6	
S 126 1,3-Dichloropropene, Total	1				0			200.8	

Reagents:

8260 CORP mix_00075	Amount Added:	50.00	Units: uL	
GAS CORP mix_00159	Amount Added:	50.00	Units: uL	
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent

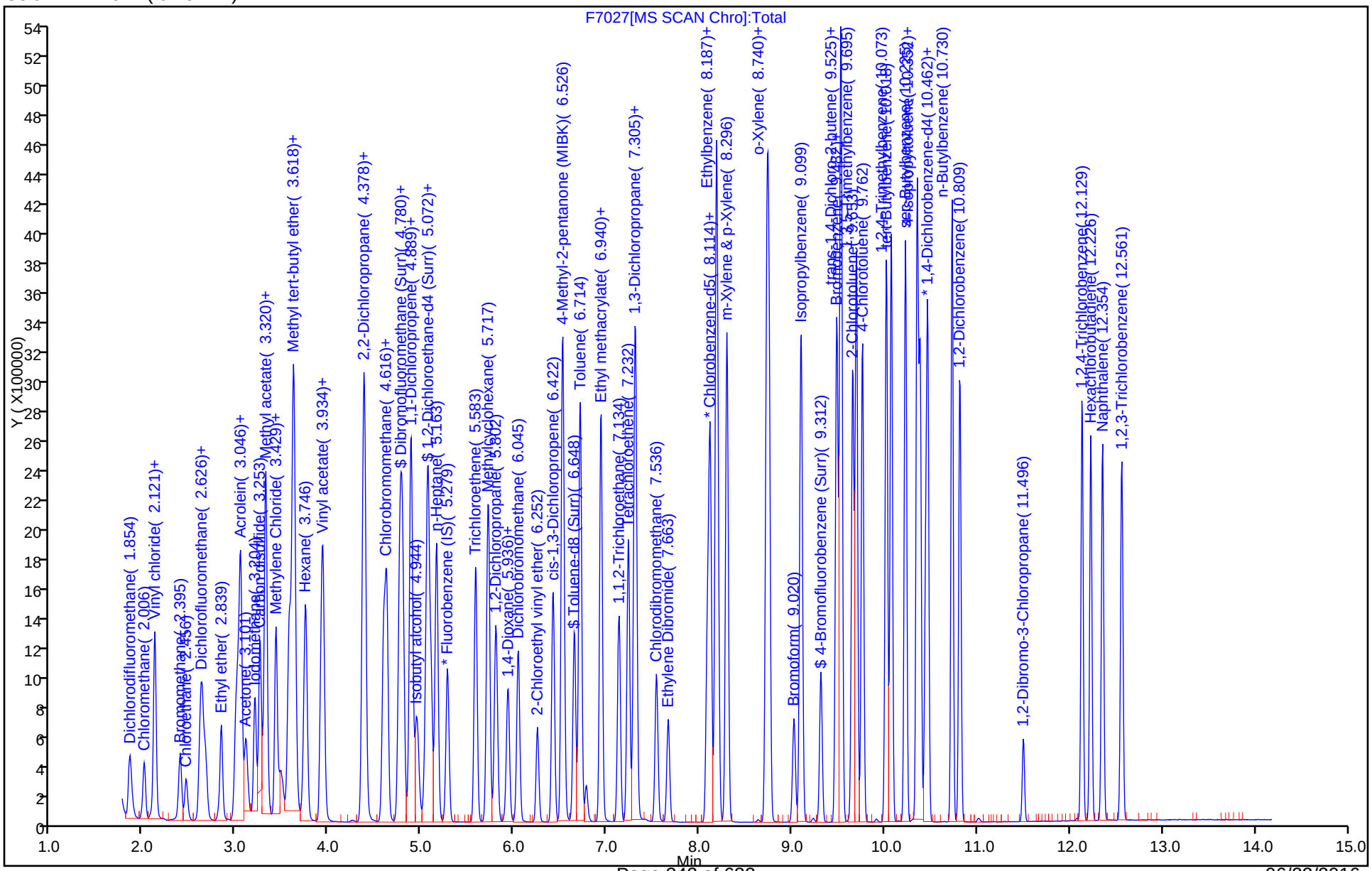
Report Date: 09-Jun-2016 10:46:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7027.D

Injection Date:	08-Jun-2016 15:17:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7028.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 08-Jun-2016 15:42:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0053862-011
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 09-Jun-2016 10:46:32 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 09-Jun-2016 10:02:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	258971	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	534341	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	475098	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.762	4.762	0.000	93	294417	50.0	49.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.042	5.041	0.001	0	184326	50.0	49.3	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	92	1147250	50.0	49.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	372209	50.0	50.1	
10 Dichlorodifluoromethane	85	1.854	1.860	-0.006	99	1385199	200.0	171.0	
12 Chloromethane	50	2.018	2.006	0.012	99	907626	200.0	167.5	
13 Vinyl chloride	62	2.127	2.121	0.006	98	930403	200.0	167.8	
151 Butadiene	54	2.127	2.127	0.000	92	872142	200.0	172.9	
14 Bromomethane	94	2.401	2.401	0.000	92	738384	200.0	175.7	
15 Chloroethane	64	2.462	2.468	-0.006	99	568122	200.0	181.8	
16 Dichlorofluoromethane	67	2.626	2.626	0.000	98	1675949	200.0	173.4	
17 Trichlorofluoromethane	101	2.669	2.657	0.012	99	1831113	200.0	175.6	
18 Ethyl ether	59	2.839	2.845	-0.006	88	867826	200.0	192.8	
20 Acrolein	56	2.991	2.997	-0.006	99	967633	1000.0	883.1	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	94	1186556	200.0	179.5	
22 1,1-Dichloroethene	96	3.052	3.052	0.000	99	1166228	200.0	182.4	
23 Acetone	43	3.101	3.113	-0.012	99	2040692	1000.0	980.2	
25 Iodomethane	142	3.204	3.204	0.000	100	2170729	200.0	182.2	
26 Carbon disulfide	76	3.259	3.259	0.000	99	3984823	200.0	171.1	
27 Methyl acetate	43	3.314	3.320	-0.006	95	3710967	1000.0	860.6	
28 3-Chloro-1-propene	41	3.320	3.326	-0.006	86	1702734	200.0	176.4	
30 Methylene Chloride	84	3.429	3.435	-0.006	85	1403573	200.0	192.8	
31 2-Methyl-2-propanol	59	3.484	3.490	-0.006	99	1515959	2000.0	2026.3	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	94	4104175	200.0	178.7	
34 trans-1,2-Dichloroethene	96	3.612	3.618	-0.006	98	1295871	200.0	175.8	
33 Acrylonitrile	53	3.630	3.630	0.000	96	3662169	2000.0	1689.1	
35 Hexane	57	3.746	3.752	-0.006	91	1916123	200.0	191.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.928	3.928	0.000	97	4409192	400.0	348.5	
39 1,1-Dichloroethane	63	3.940	3.946	-0.006	96	2190071	200.0	174.9	
44 2,2-Dichloropropane	77	4.378	4.378	0.000	81	2170444	200.0	178.4	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	96	2592031	1000.0	910.6	
45 cis-1,2-Dichloroethene	96	4.384	4.391	-0.007	83	1424519	200.0	177.2	
48 Chlorobromomethane	128	4.591	4.591	0.000	89	689413	200.0	190.5	
49 Tetrahydrofuran	42	4.610	4.610	0.000	81	684742	400.0	370.3	
50 Chloroform	83	4.628	4.628	0.000	94	2468562	200.0	180.7	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	2209153	200.0	183.5	
52 Cyclohexane	56	4.798	4.798	0.000	87	1979061	200.0	171.2	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	1915115	200.0	177.7	
55 Carbon tetrachloride	117	4.896	4.895	0.001	98	1946496	200.0	189.6	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	1351089	5000.0	5029.8	
57 Benzene	78	5.072	5.072	0.000	97	4793235	200.0	166.1	
58 1,2-Dichloroethane	62	5.108	5.102	0.006	98	1940613	200.0	184.4	
59 n-Heptane	43	5.163	5.163	0.000	86	1800354	200.0	169.2	
62 Trichloroethene	95	5.589	5.583	0.006	97	1424420	200.0	184.9	
64 Methylcyclohexane	83	5.723	5.723	0.000	88	2370060	200.0	175.0	
65 1,2-Dichloropropane	63	5.808	5.808	0.000	91	1188913	200.0	183.6	
66 1,4-Dioxane	88	5.911	5.911	0.000	90	214386	4000.0	4554.9	M
67 Dibromomethane	93	5.936	5.936	0.000	97	852622	200.0	191.6	
68 Dichlorobromomethane	83	6.045	6.045	0.000	100	1965182	200.0	196.8	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	93	705046	200.0	198.1	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	2341247	200.0	189.3	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	94	4729837	1000.0	809.8	
74 Toluene	92	6.715	6.714	0.000	96	3221979	200.0	173.9	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	96	2166094	200.0	191.8	
75 Ethyl methacrylate	69	6.940	6.940	0.000	72	1716297	200.0	186.3	
79 1,1,2-Trichloroethane	83	7.134	7.128	0.006	93	982383	200.0	186.6	
81 Tetrachloroethene	166	7.232	7.232	0.000	97	1471383	200.0	183.4	
82 1,3-Dichloropropane	76	7.299	7.298	0.001	96	1997930	200.0	180.1	
80 2-Hexanone	43	7.311	7.311	0.000	92	3672404	1000.0	831.1	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	1436252	200.0	209.2	
84 Ethylene Dibromide	107	7.664	7.664	0.000	98	1247882	200.0	194.1	
87 Chlorobenzene	112	8.114	8.114	0.000	90	3419106	200.0	173.7	
88 Ethylbenzene	91	8.181	8.181	0.000	97	5364925	200.0	155.1	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.193	0.006	94	1374217	200.0	193.9	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	97	2382919	200.0	176.9	
91 o-Xylene	106	8.728	8.728	0.000	95	2276689	200.0	174.8	
92 Styrene	104	8.752	8.752	0.000	91	3787446	200.0	170.5	
95 Bromoform	173	9.020	9.020	0.000	96	930384	200.0	219.8	
94 Isopropylbenzene	105	9.099	9.099	0.000	98	5257279	200.0	159.8	
101 Bromobenzene	156	9.483	9.482	0.001	93	1615677	200.0	185.7	
97 1,1,2,2-Tetrachloroethane	83	9.483	9.482	0.001	77	1479368	200.0	184.9	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	5730942	200.0	146.2	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	57	525231	200.0	195.8	
100 1,2,3-Trichloropropane	110	9.537	9.531	0.006	81	481206	200.0	187.3	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	1388516	200.0	180.2	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	96	4541020	200.0	159.7	
105 4-Chlorotoluene	126	9.762	9.762	0.000	97	1471940	200.0	183.0	
106 tert-Butylbenzene	134	10.018	10.018	0.000	90	1135961	200.0	179.1	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	4575085	200.0	158.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	5202820	200.0	148.1	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	92	4625320	200.0	153.0	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	95	2900888	200.0	175.2	
113 1,4-Dichlorobenzene	146	10.468	10.462	0.006	92	2929947	200.0	173.8	
115 n-Butylbenzene	91	10.730	10.730	0.000	93	4306576	200.0	155.3	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	95	2747003	200.0	177.7	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	87	324986	200.0	206.4	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	95	1832441	200.0	178.2	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	1116945	200.0	183.4	
121 Naphthalene	128	12.354	12.354	0.000	99	4022471	200.0	168.0	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	1724426	200.0	182.9	
S 123 Total BTEX	1				0			846.9	
S 124 Xylenes, Total	1				0			351.7	
S 125 1,2-Dichloroethene, Total	1				0			353.0	
S 126 1,3-Dichloropropene, Total	1				0			381.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00075	Amount Added: 100.00	Units: uL	
GAS CORP mix_00159	Amount Added: 100.00	Units: uL	
F 8260 SURR_00149	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 IS_00454	Amount Added: 1.00	Units: uL	Run Reagent

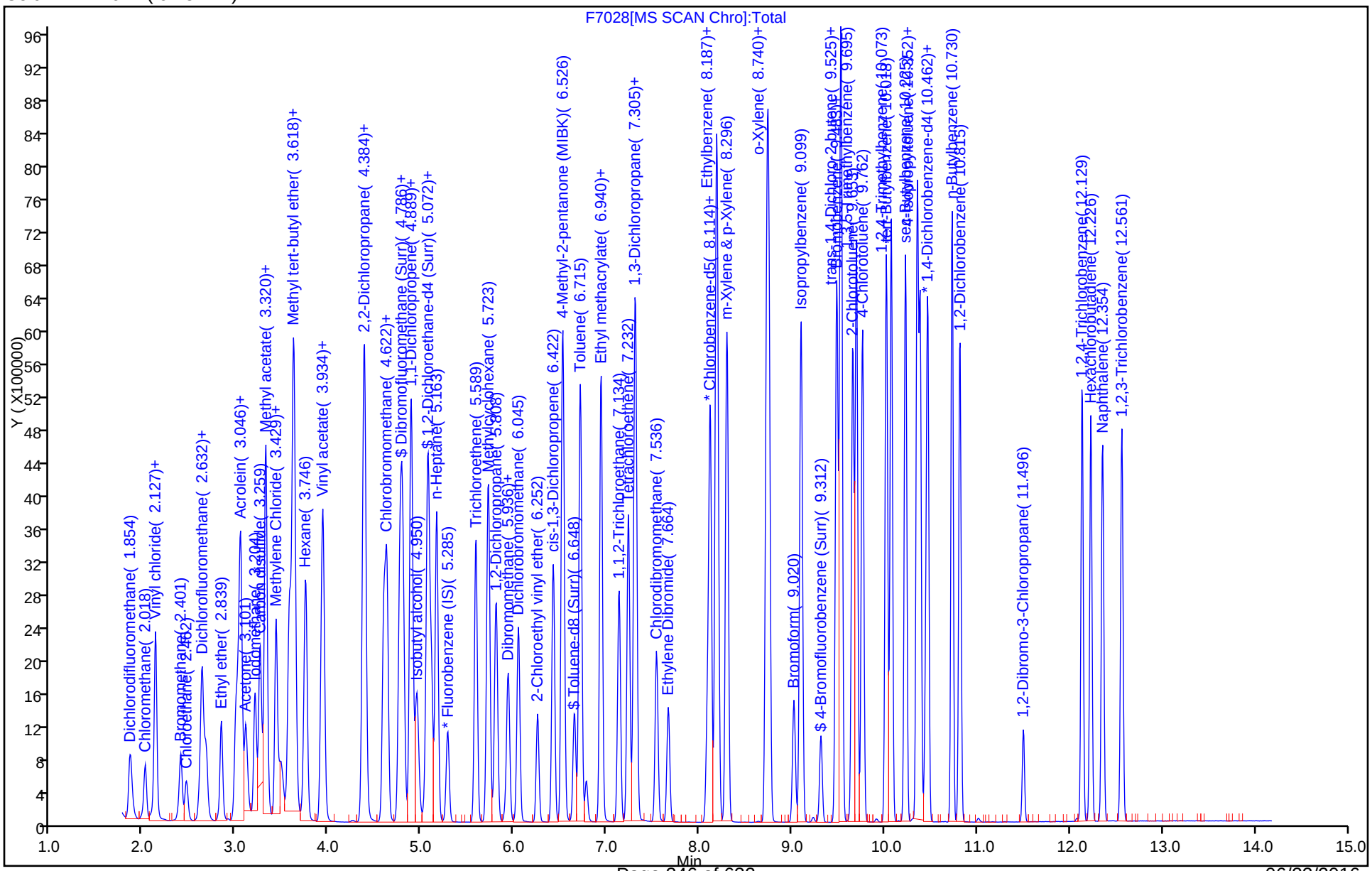
Report Date: 09-Jun-2016 10:46:33 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7028.D

Injection Date:	08-Jun-2016 15:42:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

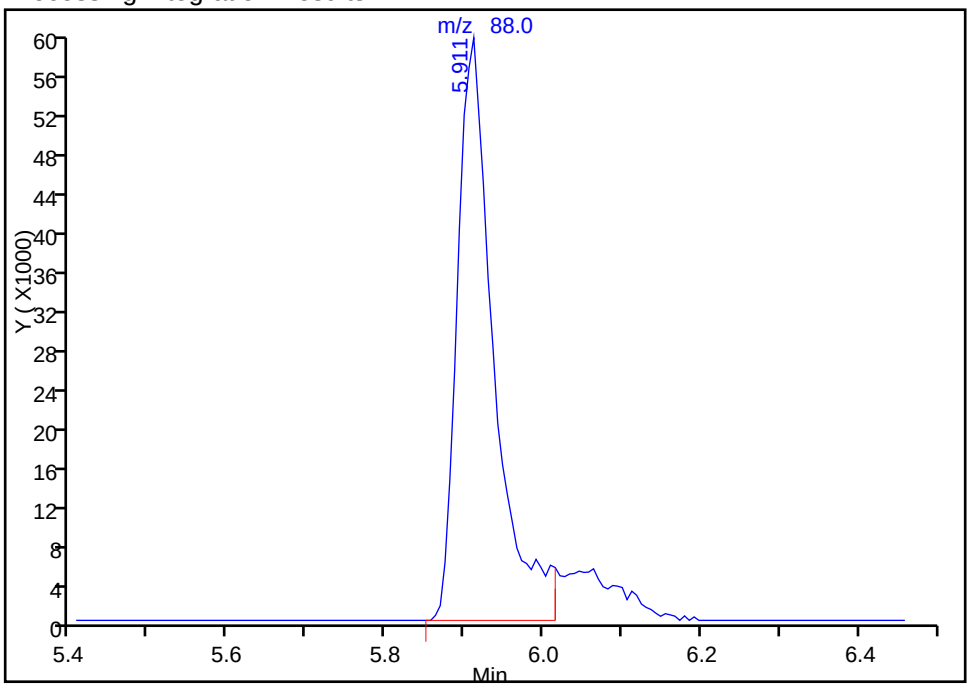
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7028.D
Injection Date: 08-Jun-2016 15:42:30 Instrument ID: HP5973F
Lims ID: IC 7
Client ID:
Operator ID: CDC ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

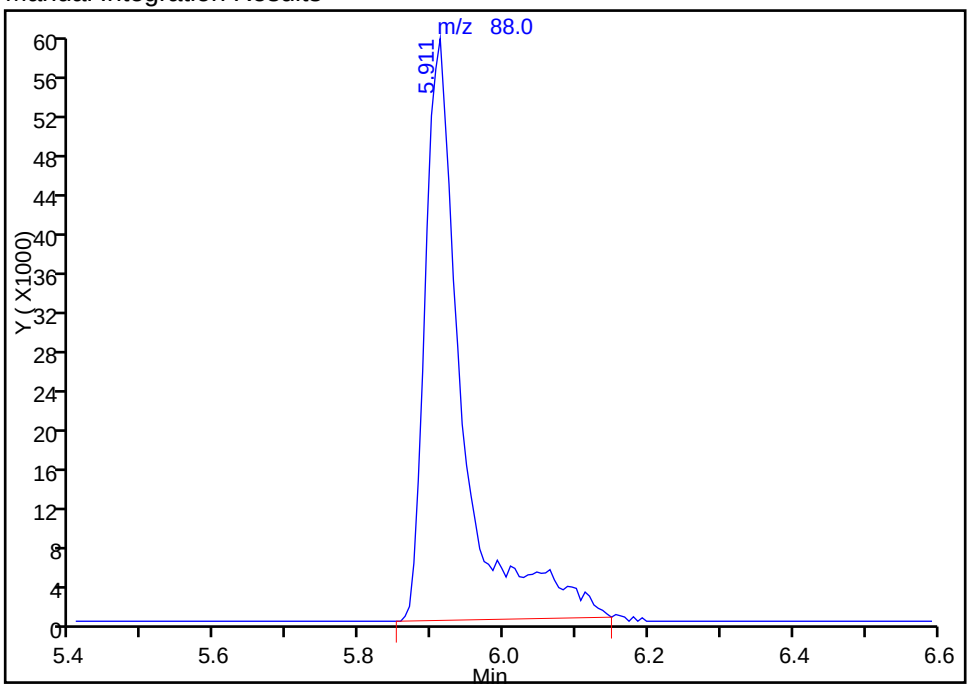
Processing Integration Results

RT: 5.91
Area: 191612
Amount: 4340.5680
Amount Units: ug/kg



Manual Integration Results

RT: 5.91
Area: 214386
Amount: 4554.9356
Amount Units: ug/kg



Reviewer: cwiklinc, 09-Jun-2016 10:02:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-302462/4	N3474.D
Level 2	IC 480-302462/5	N3475.D
Level 3	IC 480-302462/6	N3476.D
Level 4	IC 480-302462/7	N3477.D
Level 5	IC 480-302462/8	N3478.D
Level 6	ICIS 480-302462/9	N3479.D
Level 7	IC 480-302462/10	N3480.D
Level 8	IC 480-302462/11	N3481.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.1548	1.0026 1.1517	0.8680 1.0523	1.1699	0.8820	Ave		1.0402			0.1000	12.3		20.0			
Chloromethane	+++++ 1.9371	2.1856 1.7992	1.8977 1.7170	2.0774	1.7475	Ave		1.9088			0.1000	9.1		20.0			
Vinyl chloride	+++++ 1.5608	1.6580 1.4653	1.3576 1.3663	1.4677	1.2861	Ave		1.4517			0.1000	8.8		20.0			
Butadiene	1.5693 1.8173	1.7697 1.6901	1.4213 1.4885	1.7676	1.3676	Ave		1.6114				10.8		20.0			
Bromomethane	0.7556 0.6552	0.8435 0.6775	0.7368 0.6246	0.6822	0.6033	Ave		0.6973			0.1000	11.2		20.0			
Chloroethane	0.7873 0.8175	0.8942 0.8334	0.7943 0.7826	0.8017	0.7679	Ave		0.8099			0.1000	4.9		20.0			
Dichlorofluoromethane	+++++ 1.8175	1.8721 1.7816	1.9621 1.6979	1.8698	1.6603	Ave		1.8088				5.8		20.0			
Trichlorofluoromethane	+++++ 1.4203	1.2263 1.3826	1.0003 1.3455	1.3377	1.0623	Ave		1.2536			0.1000	13.1		20.0			
Ethyl ether	1.4931 1.5232	1.5828 1.4228	1.4768 1.3198	1.4220	1.4723	Ave		1.4641				5.3		20.0			
Acrolein	+++++ 0.3277	0.3424 0.3037	0.3345 0.2937	0.3459	0.3219	Ave		0.3243				6.0		20.0			
1,1-Dichloroethene	+++++ 1.1048	0.9949 1.0479	1.0431 0.9244	0.9800	1.0816	Ave		1.0252			0.1000	6.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0253	0.6499 0.9337	0.7847 0.8519	0.8972	1.0173	Ave		0.8800			0.1000	15.1		20.0			
Acetone	+++++ 0.4986	0.6094 0.4478	0.6120 0.4359	0.5240	0.4583	Ave		0.5123			0.1000	14.4		20.0			
Iodomethane	1.5469 1.6531	1.5838 1.5720	1.6706 1.4531	1.6427	1.5899	Ave		1.5890				4.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 3.6214	3.3895 3.4042	3.3228 3.0151	3.3779	3.6633	Ave		3.3992			0.1000	6.3		20.0			
Allyl chloride	+++++ 2.5170	2.7666 2.3472	2.5108 2.0814	2.5060	2.6128	Ave		2.4774				8.7		20.0			
Methyl acetate	1.3146 1.3315	1.4442 1.2380	1.4113 1.1216	1.3821	1.2792	Ave		1.3153			0.1000	7.9		20.0			
Methylene Chloride	+++++ 1.3369	2.3483 1.1996	1.7181 1.1511	1.4608	1.3872	Lin1	1.2757	1.1738			0.1000				0.9980		0.9900
2-Methyl-2-propanol	+++++ 0.1853	0.1843 0.1688	0.1894 0.1727	0.1787	0.1660	Ave		0.1779				5.0		20.0			
Methyl tert-butyl ether	+++++ 3.8371	4.0765 3.6007	4.0418 3.4371	3.8882	3.8534	Ave		3.8193			0.1000	6.0		20.0			
trans-1,2-Dichloroethene	1.0800 1.1720	1.0651 1.1410	1.0962 1.0409	1.1333	1.2153	Ave		1.1180			0.1000	5.2		20.0			
Acrylonitrile	0.6685 0.7209	0.7071 0.6490	0.7712 0.5921	0.7356	0.6778	Ave		0.6903				8.1		20.0			
Hexane	+++++ 2.2965	1.9395 2.1285	1.9189 1.8563	2.0488	2.2946	Ave		2.0690				8.6		20.0			
1,1-Dichloroethane	2.3321 2.4863	2.4627 2.3019	2.3947 2.1213	2.3784	2.4455	Ave		2.3654			0.2000	5.0		20.0			
Vinyl acetate	3.1863 3.3266	3.3089 3.0661	3.4251 2.7182	3.4032	3.1658	Ave		3.2000				7.2		20.0			
2,2-Dichloropropane	1.0931 1.1646	1.3108 1.0725	1.0540 0.9520	1.0054	1.1519	Ave		1.1005				10.0		20.0			
cis-1,2-Dichloroethene	+++++ 1.2944	1.4999 1.2557	1.3611 1.1519	1.3625	1.3330	Ave		1.3226			0.1000	8.1		20.0			
2-Butanone (MEK)	0.8340 0.7836	0.8350 0.7175	0.8515 0.6606	0.8059	0.7305	Ave		0.7773			0.1000	8.7		20.0			
Chlorobromomethane	0.5529 0.5969	0.5478 0.5811	0.5791 0.5380	0.6205	0.5916	Ave		0.5760				4.9		20.0			
Tetrahydrofuran	+++++ 0.5599	0.6353 0.5219	0.5849 0.5025	0.5798	0.5383	Ave		0.5604				8.0		20.0			
Chloroform	2.0315 2.0285	2.0815 1.9387	2.0667 1.8047	1.9239	2.0361	Ave		1.9890			0.2000	4.7		20.0			
1,1,1-Trichloroethane	+++++ 1.6052	1.2266 1.5069	1.3459 1.3804	1.4695	1.6100	Ave		1.4492			0.1000	9.7		20.0			
Cyclohexane	+++++ 2.6395	2.0883 2.4223	2.2104 2.1490	2.3796	2.5256	Ave		2.3450			0.1000	8.7		20.0			
Carbon tetrachloride	+++++ 1.3088	1.2206 1.2636	1.1031 1.1443	1.1448	1.3410	Ave		1.2180			0.1000	7.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 1.5866	1.4812 1.4687	1.4230 1.3408	1.4873	1.5674	Ave		1.4793				5.6		20.0			
Isobutyl alcohol	0.0835 0.0884	0.0776 0.0756	0.0859 0.0734	0.0826	0.0716	Ave		0.0798				7.7		20.0			
Benzene	+++++ 4.7281	4.7121 4.4108	4.8482 3.9874	4.7173	4.7709	Ave		4.5964			0.5000	6.6		20.0			
1,2-Dichloroethane	1.9304 1.7631	2.0190 1.6748	1.8903 1.5828	1.8158	1.7321	Ave		1.8010			0.1000	7.9		20.0			
n-Heptane	+++++ 2.2373	1.9043 2.1083	1.9658 1.7961	2.2023	2.1444	Ave		2.0512				8.0		20.0			
Trichloroethene	1.0344 1.1380	1.0491 1.0987	1.0744 1.0190	1.0498	1.1491	Ave		1.0766			0.2000	4.5		20.0			
Methylcyclohexane	+++++ 2.0936	1.7065 1.9430	1.7974 1.7462	1.9187	2.0330	Ave		1.8912			0.1000	7.7		20.0			
1,2-Dichloropropane	+++++ 1.2808	1.2527 1.2528	1.2951 1.1649	1.2936	1.2653	Ave		1.2579			0.1000	3.5		20.0			
Dibromomethane	+++++ 0.7168	0.6836 0.6807	0.7159 0.6350	0.6565	0.6862	Ave		0.6821			0.1000	4.3		20.0			
1,4-Dioxane	+++++ 0.0046	0.0041 0.0034	0.0046 0.0035	0.0039	0.0033	Ave		0.0039				13.7		20.0			
Bromodichloromethane	+++++ 1.5037	1.3332 1.4443	1.4580 1.3761	1.4904	1.4151	Ave		1.4315			0.2000	4.3		20.0			
2-Chloroethyl vinyl ether	+++++ 0.8132	0.6760 0.8179	0.7609 0.7480	0.7186	0.7324	Ave		0.7524				6.7		20.0			
cis-1,3-Dichloropropene	+++++ 1.8941	1.9385 1.8316	1.9047 1.6766	1.8695	1.8590	Ave		1.8534			0.2000	4.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.1900 0.1955	0.1927 0.1828	0.2066 0.1749	0.1975	0.1897	Ave		0.1912			0.1000	5.0		20.0			
Toluene	+++++ 0.8816	0.8537 0.8486	0.9022 0.7935	0.8852	0.9023	Ave		0.8667			0.4000	4.5		20.0			
trans-1,3-Dichloropropene	0.5042 0.5356	0.5250 0.5102	0.4937 0.4843	0.5199	0.5092	Ave		0.5103			0.1000	3.3		20.0			
Ethyl methacrylate	0.4386 0.4669	0.4276 0.4416	0.4319 0.4283	0.4297	0.4253	Ave		0.4362				3.1		20.0			
1,1,2-Trichloroethane	+++++ 0.2579	0.2125 0.2474	0.2401 0.2419	0.2500	0.2557	Ave		0.2436			0.1000	6.3		20.0			
Tetrachloroethene	+++++ 0.3454	0.3045 0.3148	0.2794 0.2965	0.3239	0.3251	Ave		0.3128			0.2000	6.9		20.0			
1,3-Dichloropropane	+++++ 0.5303	0.5475 0.5174	0.5145 0.4934	0.5330	0.5112	Ave		0.5210				3.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.2738 0.2995	0.2955 0.2775	0.3129 0.2548	0.3069	0.2788	Ave		0.2875			0.1000	6.8		20.0			
Dibromochloromethane	0.3225 0.3262	0.2793 0.3222	0.2702 0.3140	0.3130	0.2947	Ave		0.3053			0.1000	7.0		20.0			
1,2-Dibromoethane	0.3003 0.3211	0.2626 0.3045	0.3252 0.2941	0.2942	0.3080	Ave		0.3012				6.4		20.0			
Chlorobenzene	0.8760 0.9168	0.8939 0.8627	0.9501 0.8067	0.8836	0.8979	Ave		0.8860			0.5000	4.7		20.0			
1,1,1,2-Tetrachloroethane	0.2988 0.3154	0.2699 0.3068	0.3229 0.2983	0.3149	0.3069	Ave		0.3042				5.3		20.0			
Ethylbenzene	1.7883 1.5891	1.9364 1.4842	1.7201 1.3385	1.6491	1.6597	Ave		1.6457			0.1000	11.1		20.0			
m,p-Xylene	+++++ 0.6554	1.2046 0.6148	0.8991 0.5740	0.7241	0.6730	Lin1	0.6618	0.5868			0.1000				0.9980		0.9900
o-Xylene	+++++ 0.6393	0.7558 0.6090	0.6960 0.5819	0.6826	0.6554	Ave		0.6600			0.3000	8.8		20.0			
Styrene	0.9797 1.0350	0.9721 0.9818	1.0364 0.9208	0.9947	1.0297	Ave		0.9938			0.3000	4.0		20.0			
Bromoform	+++++ 0.1881	0.1867 0.1888	0.1772 0.1896	0.1719	0.1755	Ave		0.1825			0.1000	4.1		20.0			
Isopropylbenzene	3.0669 3.3587	3.1852 3.2139	3.2203 2.8712	3.2844	3.4275	Ave		3.2035			0.1000	5.4		20.0			
Bromobenzene	0.7006 0.7521	0.7274 0.7591	0.7245 0.7112	0.7128	0.8013	Ave		0.7361				4.5		20.0			
1,1,2,2-Tetrachloroethane	0.8755 0.8818	0.8850 0.8738	0.9153 0.8316	0.8911	0.9042	Ave		0.8823			0.3000	2.8		20.0			
1,2,3-Trichloropropane	+++++ 0.2815	0.2804 0.2682	0.2372 0.2554	0.2646	0.2611	Ave		0.2641				5.8		20.0			
trans-1,4-Dichloro-2-butene	0.3620 0.3573	0.3597 0.3558	0.2932 0.3207	0.3505	0.3683	Ave		0.3459				7.4		20.0			
N-Propylbenzene	3.6152 3.9674	3.6418 3.7928	3.9349 3.3025	4.0217	4.0086	Ave		3.7856				6.7		20.0			
2-Chlorotoluene	+++++ 0.7596	0.7187 0.7465	0.7405 0.7095	0.7421	0.7667	Ave		0.7405				2.8		20.0			
1,3,5-Trimethylbenzene	+++++ 2.8591	2.6901 2.7056	2.7973 2.4381	2.8447	2.9102	Ave		2.7493				5.8		20.0			
4-Chlorotoluene	2.8738 2.8213	2.8513 2.6985	3.0398 2.4565	2.8881	2.8276	Ave		2.8071				6.1		20.0			
tert-Butylbenzene	+++++ 0.5799	0.5581 0.5641	0.5449 0.5330	0.6329	0.5640	Ave		0.5681				5.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.8345 2.8832	2.8888 2.7573	3.1036 2.5055	2.9286	2.9244	Ave		2.8532				6.0		20.0			
sec-Butylbenzene	3.2989 3.6197	3.5316 3.3667	3.4279 3.0080	3.5749	3.6605	Ave		3.4360				6.2		20.0			
1,3-Dichlorobenzene	1.4498 1.4939	1.5353 1.4045	1.5001 1.3340	1.5158	1.5016	Ave		1.4669			0.6000	4.6		20.0			
4-Isopropyltoluene	2.7000 3.0009	2.9141 2.7985	2.9219 2.5302	2.9557	3.1122	Ave		2.8667				6.4		20.0			
1,4-Dichlorobenzene	+++++ 1.4630	1.4843 1.4295	1.4918 1.3452	1.5056	1.5032	Ave		1.4604			0.5000	3.9		20.0			
n-Butylbenzene	+++++ 2.8505	2.5850 2.6121	2.7256 2.3990	2.7876	2.8830	Ave		2.6918				6.4		20.0			
1,2-Dichlorobenzene	+++++ 1.3815	1.4824 1.3351	1.4602 1.2945	1.4161	1.4236	Ave		1.3991			0.4000	4.8		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1719	0.1453 0.1620	0.1807 0.1715	0.1757	0.1799	Ave		0.1696			0.0500	7.3		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9571	1.0600 0.8789	0.9300 0.8767	1.0021	0.9438	Ave		0.9498			0.2000	6.9		20.0			
Hexachlorobutadiene	+++++ 0.4942	0.4819 0.4596	0.4818 0.4521	0.5388	0.4829	Ave		0.4845				5.8		20.0			
Naphthalene	2.4770 2.6686	2.6392 2.4142	2.4286 2.4037	2.7587	2.6139	Ave		2.5505				5.3		20.0			
1,2,3-Trichlorobenzene	0.8099 0.8908	0.9086 0.7947	0.8069 0.8230	0.8750	0.8888	Ave		0.8497				5.4		20.0			
Dibromofluoromethane (Surr)	1.1223 1.1687	1.1460 1.1672	1.1383 1.1514	1.1971	1.1292	Ave		1.1525				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5092 1.5649	1.5388 1.4747	1.5139 1.4704	1.5399	1.4802	Ave		1.5115				2.3		20.0			
Toluene-d8 (Surr)	1.4172 1.4072	1.3657 1.3652	1.3846 1.3782	1.3935	1.3785	Ave		1.3863				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.3701 0.3890	0.3675 0.3689	0.3783 0.3803	0.3881	0.3735	Ave		0.3770				2.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-302462/4	N3474.D
Level 2	IC 480-302462/5	N3475.D
Level 3	IC 480-302462/6	N3476.D
Level 4	IC 480-302462/7	N3477.D
Level 5	IC 480-302462/8	N3478.D
Level 6	ICIS 480-302462/9	N3479.D
Level 7	IC 480-302462/10	N3480.D
Level 8	IC 480-302462/11	N3481.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 199473	6893 405771	11931 750019	39806	60939	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 334610	15027 633926	26084 1223744	70686	120738	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 269614	11399 516287	18660 973791	49939	88856	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5398 313913	12167 595476	19536 1060880	60144	94486	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	2599 113172	5799 238720	10128 445207	23211	41680	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2708 141218	6148 293631	10918 557781	27280	53054	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 313961	12871 627719	26969 1210170	63622	114711	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 245347	8431 487136	13749 958993	45517	73394	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5136 263113	10882 501306	20299 940692	48385	101723	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 283041	11772 535020	22989 1046791	58843	111202	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 190845	6840 369211	14337 658864	33346	74725	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 177112	4468 328983	10786 607206	30527	70288	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 430600	20950 788955	42059 1553245	89141	158334	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5321 285549	10889 553879	22963 1035712	55894	109849	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 625549	23304 1199426	45672 2148952	114936	253095	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	+++++ 434782	19021 826999	34512 1483457	85267	180519	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	22610 1150005	49647 2181028	96995 3997181	235134	441886	2.50 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Lin1	+++++ 230932	16145 422656	23615 820399	49706	95842	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 320150	12670 594827	26040 1230748	60819	114689	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	+++++ 662823	28027 1268639	55556 2449721	132297	266232	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3715 202457	7323 402002	15068 741874	38560	83964	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	22994 1245207	48617 2286797	106008 4220230	250301	468319	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 396689	13335 749929	26376 1323033	69710	158534	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	8022 429489	16932 811053	32916 1511951	80926	168963	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	21920 1149276	45499 2160607	94158 3874781	231595	437446	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3760 201176	9012 377872	14487 678538	34211	79588	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 223596	10312 442440	18709 820965	46359	92098	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	14343 676758	28704 1264007	58519 2354053	137100	252355	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1902 103112	3766 204733	7960 383430	21112	40873	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 193439	8736 367749	16078 716247	39455	74382	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	6988 350405	14311 683075	28407 1286248	65462	140673	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 277281	8433 530942	18499 983893	50002	111236	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 455944	14358 853446	30383 1531660	80967	174496	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 226083	8392 445199	15162 815586	38952	92650	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 274071	10184 517482	19560 955639	50607	108290	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	7179 381801	13341 665844	29529 1307441	70288	123586	12.5 625	25.0 1250	50.0 2500	125	250

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	+++++ 816731	32397 1554084	66640 2841998	160508	329620	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	6640 304554	13881 590094	25982 1128123	61784	119670	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 386469	13093 742810	27020 1280152	74934	148156	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3558 196581	7213 387096	14768 726311	35719	79394	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 361650	11733 684593	24706 1244570	65284	140462	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 221240	8613 441394	17801 830285	44016	87423	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	+++++ 123823	4700 239823	9840 452595	22337	47413	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Ave	+++++ 50671	1762 76424	3953 153632	8528	14074	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	+++++ 259746	9166 508865	20041 980775	50713	97771	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 140474	4648 288168	10459 533099	24451	50603	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 327186	13328 645319	26181 1194969	63611	128435	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	9992 543666	20731 1038390	44808 1932971	106987	201302	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	+++++ 490235	18367 964129	39141 1753928	95921	191519	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	5305 297830	11295 579636	21421 1070343	56331	108079	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4614 259609	9199 501755	18738 946672	46565	90269	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 143439	4571 281082	10417 534694	27091	54262	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 192058	6552 357647	12124 655405	35101	69009	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	+++++ 294909	11779 587777	22323 1090622	57754	108504	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14403 832668	31786 1576395	67874 2815896	166269	295842	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	3393 181394	6009 366042	11724 694028	33917	62545	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	3159 178570	5649 345893	14108 650040	31875	65382	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	9216 509824	19233 980158	41221 1782951	95747	190584	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	3144 175406	5807 348537	14009 659422	34121	65130	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	18814 883654	41661 1686201	74628 2958394	178692	352272	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Lin1	+++++ 364479	25916 698469	39010 1268735	78462	142839	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	+++++ 355518	16260 691882	30197 1286100	73971	139105	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	10307 575527	20914 1115426	44966 2035288	107782	218542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	+++++ 104607	4017 214531	7688 419086	18628	37241	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	15003 879077	31905 1652977	63713 2947582	165224	342687	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	3427 196851	7286 390401	14334 730166	35856	80118	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4283 230806	8865 449442	18109 853757	44830	90406	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 73688	2809 137921	4692 262212	13313	26109	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1771 93525	3603 183003	5801 329192	17631	36823	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	17685 1038407	36479 1950737	77850 3390354	202317	400788	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 198811	7199 383931	14650 728365	37331	76661	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 748325	26946 1391547	55344 2502978	143103	290968	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	14058 738415	28561 1387937	60141 2521820	145288	282710	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 151767	5590 290141	10780 547150	31837	56388	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	13866 754640	28936 1418160	61404 2572158	147328	292385	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	16138 947391	35375 1731587	67819 3088027	179837	365990	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	7092 391005	15379 722358	29678 1369429	76253	150139	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	13208 785445	29190 1439369	57808 2597457	148690	311164	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 382903	14868 735249	29514 1380949	75739	150299	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 746071	25893 1343469	53925 2462824	140234	288248	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 361572	14849 686685	28890 1328968	71238	142339	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 44995	1455 83298	3576 176017	8837	17986	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 250501	10618 452051	18399 899990	50410	94365	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	+++++ 129351	4827 236387	9533 464150	27106	48279	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	12117 698461	26436 1241685	48049 2467595	138780	261345	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	3962 233141	9101 408746	15964 844883	44018	88862	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	193030 201875	196982 205623	195573 205155	203661	195037	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	259562 270314	264497 259796	260111 261995	261983	255661	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	745495 782507	734572 775476	750929 761568	754982	731423	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	194675 216343	197685 209553	205151 210163	210270	198199	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-302462/4	N3474.D
Level 2	IC 480-302462/5	N3475.D
Level 3	IC 480-302462/6	N3476.D
Level 4	IC 480-302462/7	N3477.D
Level 5	IC 480-302462/8	N3478.D
Level 6	ICIS 480-302462/9	N3479.D
Level 7	IC 480-302462/10	N3480.D
Level 8	IC 480-302462/11	N3481.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	+++++ 10.7	-3.6 1.2	-16.6	12.5	-15.2	11.0	30	30 30	30	30	30	30
Chloromethane	+++++ -5.7	14.5 -10.0	-0.6	8.8	-8.4	1.5	30	30 30	30	30	30	30
Vinyl chloride	+++++ 0.9	14.2 -5.9	-6.5	1.1	-11.4	7.5	30	30 30	30	30	30	30
Butadiene	-2.6 4.9	9.8 -7.6	-11.8	9.7	-15.1	12.8	30 30	30 30	30	30	30	30
Bromomethane	8.4 -2.8	21.0 -10.4	5.7	-2.2	-13.5	-6.0	30 30	30 30	30	30	30	30
Chloroethane	-2.8 2.9	10.4 -3.4	-1.9	-1.0	-5.2	0.9	30 30	30 30	30	30	30	30
Dichlorofluoromethane	+++++ -1.5	3.5 -6.1	8.5	3.4	-8.2	0.5	30	30 30	30	30	30	30
Trichlorofluoromethane	+++++ 10.3	-2.2 7.3	-20.2	6.7	-15.3	13.3	30	30 30	30	30	30	30
Ethyl ether	2.0 -2.8	8.1 -9.9	0.9	-2.9	0.6	4.0	30 30	30 30	30	30	30	30
Acrolein	+++++ -6.3	5.6 -9.4	3.2	6.7	-0.7	1.1	30	30 30	30	30	30	30
1,1-Dichloroethene	+++++ 2.2	-3.0 -9.8	1.7	-4.4	5.5	7.8	30	30 30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 6.1	-26.2 -3.2	-10.8	2.0	15.6	16.5	30	30 30	30	30	30	30
Acetone	+++++ -12.6	19.0 -14.9	19.5	2.3	-10.5	-2.7	30	30 30	30	30	30	30
Iodomethane	-2.7 -1.1	-0.3 -8.6	5.1	3.4	0.1	4.0	30 30	30 30	30	30	30	30
Carbon disulfide	+++++ 0.1	-0.3 -11.3	-2.2	-0.6	7.8	6.5	30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	+++++ -5.3	11.7 -16.0	1.4	1.2	5.5	1.6	30	30 30	30	30	30	30
Methyl acetate	-0.1 -5.9	9.8 -14.7	7.3	5.1	-2.7	1.2	30 30	30 30	30	30	30	30
Methylene Chloride	+++++ 0.0	-8.6 -3.0	-8.0	2.7	7.3	9.5	30	30 30	30	30	30	30
2-Methyl-2-propanol	+++++ -5.1	3.6 -2.9	6.5	0.5	-6.7	4.2	30	30 30	30	30	30	30
Methyl tert-butyl ether	+++++ -5.7	6.7 -10.0	5.8	1.8	0.9	0.5	30	30 30	30	30	30	30
trans-1,2-Dichloroethene	-3.4 2.1	-4.7 -6.9	-1.9	1.4	8.7	4.8	30 30	30 30	30	30	30	30
Acrylonitrile	-3.2 -6.0	2.4 -14.2	11.7	6.6	-1.8	4.4	30 30	30 30	30	30	30	30
Hexane	+++++ 2.9	-6.3 -10.3	-7.3	-1.0	10.9	11.0	30	30 30	30	30	30	30
1,1-Dichloroethane	-1.4 -2.7	4.1 -10.3	1.2	0.5	3.4	5.1	30 30	30 30	30	30	30	30
Vinyl acetate	-0.4 -4.2	3.4 -15.1	7.0	6.4	-1.1	4.0	30 30	30 30	30	30	30	30
2,2-Dichloropropane	-0.7 -2.5	19.1 -13.5	-4.2	-8.6	4.7	5.8	30 30	30 30	30	30	30	30
cis-1,2-Dichloroethene	+++++ -5.1	13.4 -12.9	2.9	3.0	0.8	-2.1	30	30 30	30	30	30	30
2-Butanone (MEK)	7.3 -7.7	7.4 -15.0	9.5	3.7	-6.0	0.8	30 30	30 30	30	30	30	30
Chlorobromomethane	-4.0 0.9	-4.9 -6.6	0.5	7.7	2.7	3.6	30 30	30 30	30	30	30	30
Tetrahydrofuran	+++++ -6.9	13.4 -10.3	4.4	3.5	-3.9	-0.1	30	30 30	30	30	30	30
Chloroform	2.1 -2.5	4.7 -9.3	3.9	-3.3	2.4	2.0	30 30	30 30	30	30	30	30
1,1,1-Trichloroethane	+++++ 4.0	-15.4 -4.7	-7.1	1.4	11.1	10.8	30	30 30	30	30	30	30
Cyclohexane	+++++ 3.3	-10.9 -8.4	-5.7	1.5	7.7	12.6	30	30 30	30	30	30	30
Carbon tetrachloride	+++++ 3.7	0.2 -6.1	-9.4	-6.0	10.1	7.5	30	30 30	30	30	30	30
1,1-Dichloropropene	+++++ -0.7	0.1 -9.4	-3.8	0.5	6.0	7.3	30	30 30	30	30	30	30
Isobutyl alcohol	4.6 -5.3	-2.8 -8.1	7.7	3.5	-10.4	10.8	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Benzene	+++++ -4.0	2.5 -13.2	5.5	2.6	3.8	2.9	30	30 30	30	30	30	30
1,2-Dichloroethane	7.2 -7.0	12.1 -12.1	5.0	0.8	-3.8	-2.1	30 30	30 30	30	30	30	30
n-Heptane	+++++ 2.8	-7.2 -12.4	-4.2	7.4	4.5	9.1	30	30 30	30	30	30	30
Trichloroethene	-3.9 2.1	-2.6 -5.3	-0.2	-2.5	6.7	5.7	30 30	30 30	30	30	30	30
Methylcyclohexane	+++++ 2.7	-9.8 -7.7	-5.0	1.5	7.5	10.7	30	30 30	30	30	30	30
1,2-Dichloropropane	+++++ -0.4	-0.4 -7.4	3.0	2.8	0.6	1.8	30	30 30	30	30	30	30
Dibromomethane	+++++ -0.2	0.2 -6.9	5.0	-3.8	0.6	5.1	30	30 30	30	30	30	30
1,4-Dioxane	+++++ -13.7	5.0 -10.9	16.8	0.9	-15.0	16.8	30	30 30	30	30	30	30
Bromodichloromethane	+++++ 0.9	-6.9 -3.9	1.9	4.1	-1.1	5.0	30	30 30	30	30	30	30
2-Chloroethyl vinyl ether	+++++ 8.7	-10.2 -0.6	1.1	-4.5	-2.7	8.1	30	30 30	30	30	30	30
cis-1,3-Dichloropropene	+++++ -1.2	4.6 -9.5	2.8	0.9	0.3	2.2	30	30 30	30	30	30	30
4-Methyl-2-pentanone (MIBK)	-0.7 -4.4	0.8 -8.5	8.0	3.3	-0.8	2.3	30 30	30 30	30	30	30	30
Toluene	+++++ -2.1	-1.5 -8.4	4.1	2.1	4.1	1.7	30	30 30	30	30	30	30
trans-1,3-Dichloropropene	-1.2 0.0	2.9 -5.1	-3.2	1.9	-0.2	5.0	30 30	30 30	30	30	30	30
Ethyl methacrylate	0.5 1.2	-2.0 -1.8	-1.0	-1.5	-2.5	7.0	30 30	30 30	30	30	30	30
1,1,2-Trichloroethane	+++++ 1.5	-12.8 -0.7	-1.5	2.6	4.9	5.9	30	30 30	30	30	30	30
Tetrachloroethene	+++++ 0.6	-2.6 -5.2	-10.7	3.6	3.9	10.4	30	30 30	30	30	30	30
1,3-Dichloropropane	+++++ -0.7	5.1 -5.3	-1.3	2.3	-1.9	1.8	30	30 30	30	30	30	30
2-Hexanone	-4.7 -3.5	2.8 -11.4	8.8	6.8	-3.0	4.2	30 30	30 30	30	30	30	30
Dibromochloromethane	5.6 5.5	-8.5 2.9	-11.5	2.5	-3.5	6.9	30 30	30 30	30	30	30	30
1,2-Dibromoethane	-0.3 1.1	-12.8 -2.4	7.9	-2.3	2.3	6.6	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-1.1 -2.6	0.9 -9.0	7.2	-0.3	1.4	3.5	30 30	30 30	30	30	30	30
1,1,1,2-Tetrachloroethane	-1.8 0.8	-11.3 -1.9	6.1	3.5	0.9	3.7	30 30	30 30	30	30	30	30
Ethylbenzene	8.7 -9.8	17.7 -18.7	4.5	0.2	0.9	-3.4	30 30	30 30	30	30	30	30
m,p-Xylene	+++++ 2.5	-7.5 -3.3	-3.2	0.8	3.4	7.2	 30	30 30	30	30	30	30
o-Xylene	+++++ -7.7	14.5 -11.8	5.5	3.4	-0.7	-3.1	 30	30 30	30	30	30	30
Styrene	-1.4 -1.2	-2.2 -7.3	4.3	0.1	3.6	4.1	30 30	30 30	30	30	30	30
Bromoform	+++++ 3.4	2.3 3.9	-2.9	-5.8	-3.9	3.0	 30	30 30	30	30	30	30
Isopropylbenzene	-4.3 0.3	-0.6 -10.4	0.5	2.5	7.0	4.8	30 30	30 30	30	30	30	30
Bromobenzene	-4.8 3.1	-1.2 -3.4	-1.6	-3.2	8.9	2.2	30 30	30 30	30	30	30	30
1,1,2,2-Tetrachloroethane	-0.8 -1.0	0.3 -5.7	3.7	1.0	2.5	-0.1	30 30	30 30	30	30	30	30
1,2,3-Trichloropropane	+++++ 1.5	6.2 -3.3	-10.2	0.2	-1.1	6.6	 30	30 30	30	30	30	30
trans-1,4-Dichloro-2-butene	4.7 2.9	4.0 -7.3	-15.2	1.3	6.5	3.3	30 30	30 30	30	30	30	30
N-Propylbenzene	-4.5 0.2	-3.8 -12.8	3.9	6.2	5.9	4.8	30 30	30 30	30	30	30	30
2-Chlorotoluene	+++++ 0.8	-2.9 -4.2	0.0	0.2	3.5	2.6	 30	30 30	30	30	30	30
1,3,5-Trimethylbenzene	+++++ -1.6	-2.2 -11.3	1.7	3.5	5.9	4.0	 30	30 30	30	30	30	30
4-Chlorotoluene	2.4 -3.9	1.6 -12.5	8.3	2.9	0.7	0.5	30 30	30 30	30	30	30	30
tert-Butylbenzene	+++++ -0.7	-1.8 -6.2	-4.1	11.4	-0.7	2.1	 30	30 30	30	30	30	30
1,2,4-Trimethylbenzene	-0.7 -3.4	1.2 -12.2	8.8	2.6	2.5	1.1	30 30	30 30	30	30	30	30
sec-Butylbenzene	-4.0 -2.0	2.8 -12.5	-0.2	4.0	6.5	5.3	30 30	30 30	30	30	30	30
1,3-Dichlorobenzene	-1.2 -4.3	4.7 -9.1	2.3	3.3	2.4	1.8	30 30	30 30	30	30	30	30
4-Isopropyltoluene	-5.8 -2.4	1.7 -11.7	1.9	3.1	8.6	4.7	30 30	30 30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1 Analy Batch No.: 302462

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2016 17:04 Calibration End Date: 05/18/2016 20:11 Calibration ID: 27507

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	+++++ -2.1	1.6 -7.9	2.1	3.1	2.9	0.2	30	30 30	30	30	30	30
n-Butylbenzene	+++++ -3.0	-4.0 -10.9	1.3	3.6	7.1	5.9	30	30 30	30	30	30	30
1,2-Dichlorobenzene	+++++ -4.6	6.0 -7.5	4.4	1.2	1.8	-1.3	30	30 30	30	30	30	30
1,2-Dibromo-3-Chloropropane	+++++ -4.5	-14.3 1.1	6.6	3.6	6.1	1.4	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	+++++ -7.5	11.6 -7.7	-2.1	5.5	-0.6	0.8	30	30 30	30	30	30	30
Hexachlorobutadiene	+++++ -5.1	-0.5 -6.7	-0.5	11.2	-0.3	2.0	30	30 30	30	30	30	30
Naphthalene	-2.9 -5.3	3.5 -5.8	-4.8	8.2	2.5	4.6	30 30	30 30	30	30	30	30
1,2,3-Trichlorobenzene	-4.7 -6.5	6.9 -3.1	-5.0	3.0	4.6	4.8	30 30	30 30	30	30	30	30
Dibromofluoromethane (Surr)	-2.6 1.3	-0.6 -0.1	-1.2	3.9	-2.0	1.4	30 30	30 30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.2 -2.4	1.8 -2.7	0.2	1.9	-2.1	3.5	30 30	30 30	30	30	30	30
Toluene-d8 (Surr)	2.2 -1.5	-1.5 -0.6	-0.1	0.5	-0.6	1.5	30 30	30 30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.8 -2.1	-2.5 0.9	0.3	3.0	-0.9	3.2	30 30	30 30	30	30	30	30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-May-2016 17:04:30 ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0053328-004
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:15 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 08:13:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.565	5.564	0.001	98	171988	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	89	526033	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	98	244593	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	92	193030	25.0	24.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.273	5.272	0.001	0	259562	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	745495	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	85	194675	25.0	24.5	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	23	1172	0.5000	0.1638	
13 Chloromethane	50	1.537	1.543	-0.006	91	5651	0.5000	0.4303	
14 Vinyl chloride	62	1.647	1.659	-0.012	1	3893	0.5000	0.3898	
144 Butadiene	54	1.665	1.677	-0.012	65	5398	0.5000	0.4869	
15 Bromomethane	94	1.951	1.951	0.000	30	2599	0.5000	0.5418	
16 Chloroethane	64	2.054	2.060	-0.006	1	2708	0.5000	0.4860	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	12	7772	0.5000	0.6246	
18 Trichlorofluoromethane	101	2.322	2.285	0.037	1	2704	0.5000	0.3135	M
19 Ethyl ether	59	2.590	2.590	0.000	75	5136	0.5000	0.5099	
20 Acrolein	56	2.754	2.748	0.006	46	6644	2.50	2.98	M
22 1,1-Dichloroethene	96	2.809	2.796	0.013	84	2605	0.5000	0.3693	
21 1,1,2-Trichloro-1,2,2-trif	101	2.821	2.809	0.012	1	1422	0.5000	0.2349	M
23 Acetone	43	2.906	2.900	0.006	71	12497	2.50	3.55	
24 Iodomethane	142	2.961	2.955	0.006	75	5321	0.5000	0.4867	
25 Carbon disulfide	76	3.003	2.997	0.006	98	9705	0.5000	0.4150	
27 3-Chloro-1-propene	41	3.162	3.168	-0.006	59	10121	0.5000	0.5938	M
28 Methyl acetate	43	3.216	3.204	0.012	99	22610	2.50	2.50	
30 Methylene Chloride	84	3.301	3.301	0.000	95	9758	0.5000	0.1216	
31 2-Methyl-2-propanol	59	3.472	3.460	0.012	58	5244	5.00	4.28	
32 Methyl tert-butyl ether	73	3.545	3.533	0.012	94	12055	0.5000	0.4588	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	66	3715	0.5000	0.4830	
34 Acrylonitrile	53	3.569	3.563	0.006	96	22994	5.00	4.84	
35 Hexane	57	3.758	3.758	0.000	70	5339	0.5000	0.3751	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.958	3.952	0.006	31	8022	0.5000	0.4930	
39 Vinyl acetate	43	4.013	4.001	0.012	95	21920	1.00	1.00	
42 2,2-Dichloropropane	77	4.469	4.476	-0.007	1	3760	0.5000	0.4966	
43 cis-1,2-Dichloroethene	96	4.512	4.500	0.012	23	3409	0.5000	0.3747	
44 2-Butanone (MEK)	43	4.542	4.530	0.012	96	14343	2.50	2.68	
47 Chlorobromomethane	128	4.737	4.737	0.000	78	1902	0.5000	0.4800	
49 Tetrahydrofuran	42	4.786	4.768	0.018	1	4791	1.00	1.24	M
50 Chloroform	83	4.816	4.810	0.006	88	6988	0.5000	0.5107	M
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	1	4052	0.5000	0.4064	
52 Cyclohexane	56	4.974	4.968	0.006	32	6193	0.5000	0.3839	M
53 Carbon tetrachloride	117	5.096	5.090	0.006	64	2400	0.5000	0.2864	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	86	3838	0.5000	0.3771	
56 Isobutyl alcohol	43	5.285	5.279	0.006	51	7179	12.5	13.1	
55 Benzene	78	5.291	5.297	-0.006	94	13478	0.5000	0.4262	
57 1,2-Dichloroethane	62	5.346	5.345	0.001	95	6640	0.5000	0.5359	
59 n-Heptane	43	5.498	5.498	0.000	88	6184	0.5000	0.4382	
60 Trichloroethene	95	5.911	5.905	0.006	86	3558	0.5000	0.4804	
62 Methylcyclohexane	83	6.051	6.045	0.006	86	4428	0.5000	0.3403	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	92	3881	0.5000	0.4485	
64 Dibromomethane	93	6.276	6.264	0.012	23	1977	0.5000	0.4213	
66 1,4-Dioxane	88		6.282				ND	ND	
67 Dichlorobromomethane	83	6.422	6.416	0.006	1	4099	0.5000	0.4162	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	12	2893	0.5000	0.5589	
71 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	96	5582	0.5000	0.4378	
72 4-Methyl-2-pentanone (MIBK	58	6.988	6.982	0.006	95	9992	2.50	2.48	
73 Toluene	92	7.140	7.140	0.000	98	8404	0.5000	0.4608	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	92	5305	0.5000	0.4941	
77 Ethyl methacrylate	69	7.469	7.463	0.006	88	4614	0.5000	0.5027	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	78	2790	0.5000	0.5442	
79 Tetrachloroethene	166	7.688	7.688	0.000	85	2981	0.5000	0.4529	
80 1,3-Dichloropropane	76	7.755	7.755	0.000	90	5023	0.5000	0.4582	
82 2-Hexanone	43	7.822	7.821	0.001	92	14403	2.50	2.38	
83 Chlorodibromomethane	129	7.986	7.992	-0.006	1	3393	0.5000	0.5282	
84 Ethylene Dibromide	107	8.095	8.101	-0.006	29	3159	0.5000	0.4984	
85 Chlorobenzene	112	8.588	8.588	0.000	37	9216	0.5000	0.4944	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.685	-0.012	42	3144	0.5000	0.4911	
88 Ethylbenzene	91	8.691	8.685	0.006	98	18814	0.5000	0.5433	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	14670	0.5000	0.0603	
91 o-Xylene	106	9.233	9.233	0.000	93	8370	0.5000	0.6027	
92 Styrene	104	9.257	9.263	-0.006	87	10307	0.5000	0.4929	
93 Bromoform	173	9.495	9.494	0.001	9	2156	0.5000	0.5613	
95 Isopropylbenzene	105	9.616	9.622	-0.006	94	15003	0.5000	0.4787	
97 Bromobenzene	156	9.951	9.951	0.000	95	3427	0.5000	0.4758	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	4283	0.5000	0.4962	
99 1,2,3-Trichloropropane	110	10.018	10.024	-0.006	17	1398	0.5000	0.5411	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	64	1771	0.5000	0.5233	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	17685	0.5000	0.4775	
102 2-Chlorotoluene	126	10.139	10.139	0.000	92	3091	0.5000	0.4266	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	91	12266	0.5000	0.4560	
105 4-Chlorotoluene	91	10.249	10.249	0.000	95	14058	0.5000	0.5119	
106 tert-Butylbenzene	134	10.535	10.535	0.000	46	2075	0.5000	0.3733	M
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	93	13866	0.5000	0.4967	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.742	0.000	91	16138	0.5000	0.4801	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	92	7092	0.5000	0.4942	
111 4-Isopropyltoluene	119	10.888	10.882	0.006	95	13208	0.5000	0.4709	
113 1,4-Dichlorobenzene	146	10.961	10.955	0.006	1	6145	0.5000	0.4301	
115 n-Butylbenzene	91	11.265	11.265	0.000	95	11092	0.5000	0.4212	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	93	6084	0.5000	0.4445	
117 1,2-Dibromo-3-Chloropropan	75	12.031	12.019	0.012	0	358	0.5000	0.2158	M
119 1,2,4-Trichlorobenzene	180	12.707	12.713	-0.006	87	3232	0.5000	0.3478	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	1	2000	0.5000	0.4219	
121 Naphthalene	128	12.926	12.920	0.006	94	12117	0.5000	0.4856	
122 1,2,3-Trichlorobenzene	180	13.120	13.126	-0.006	86	3962	0.5000	0.4766	
S 125 Total BTEX	1				0			2.09	
S 126 Xylenes, Total	1				0			0.6630	
S 123 1,3-Dichloropropene, Total	1				0			0.9319	
S 124 1,2-Dichloroethene, Total	1				0			0.8577	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	0.50	Units: uL	
GAS CORP mix_00155	Amount Added:	0.50	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

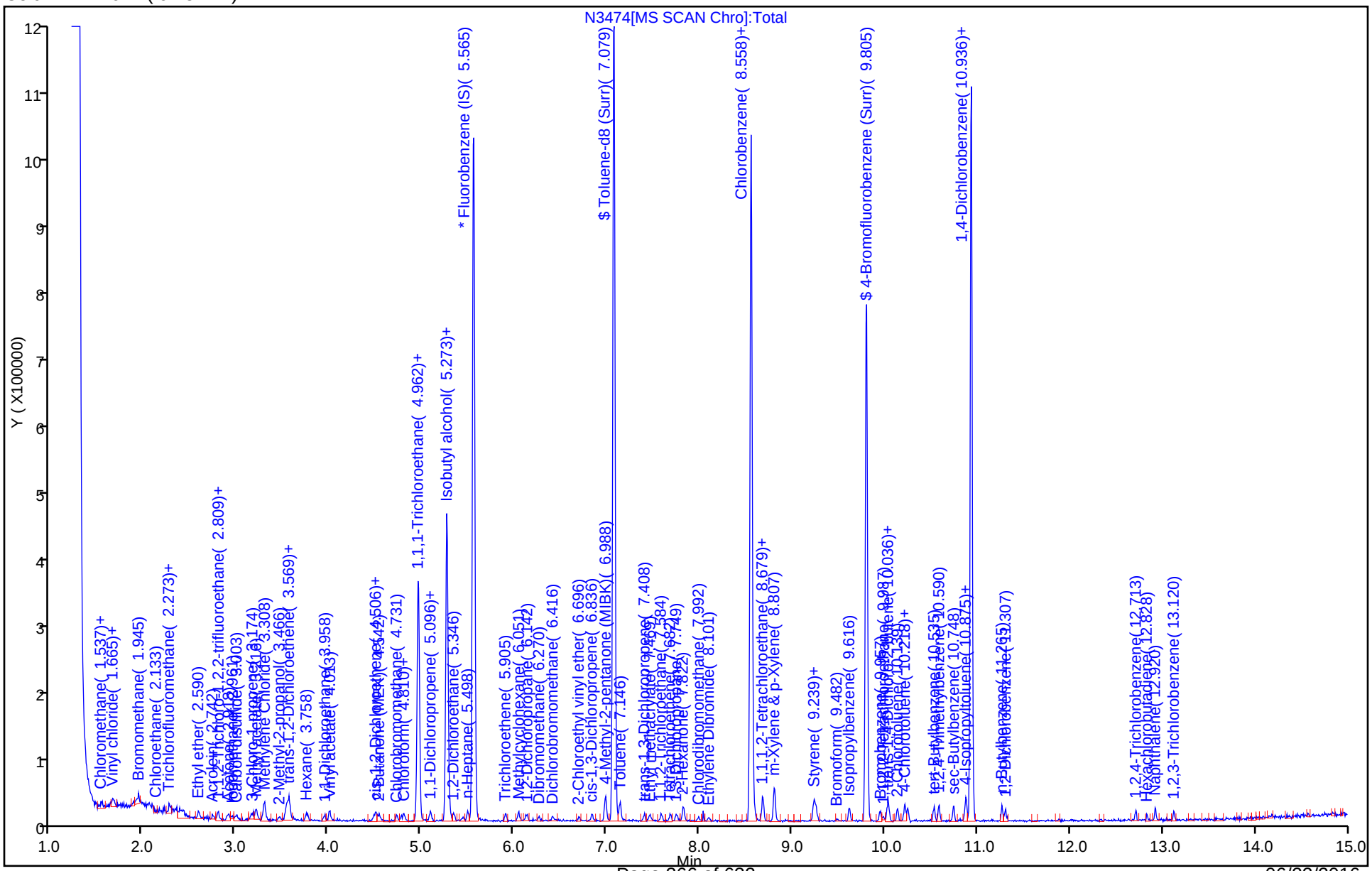
Report Date: 19-May-2016 14:06:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D

Injection Date:	18-May-2016 17:04:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	47
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

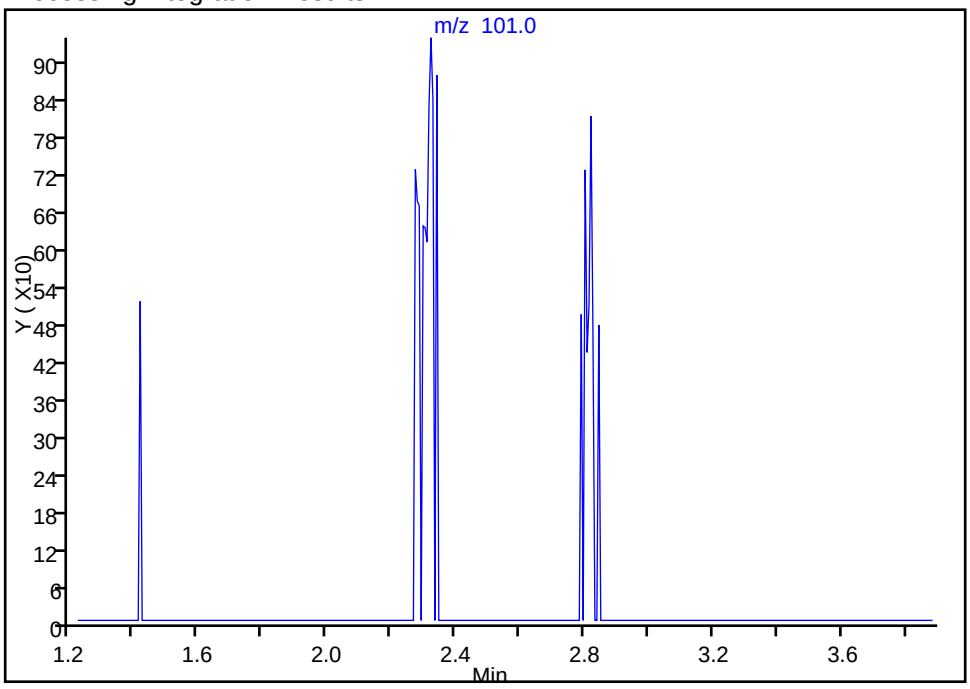
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

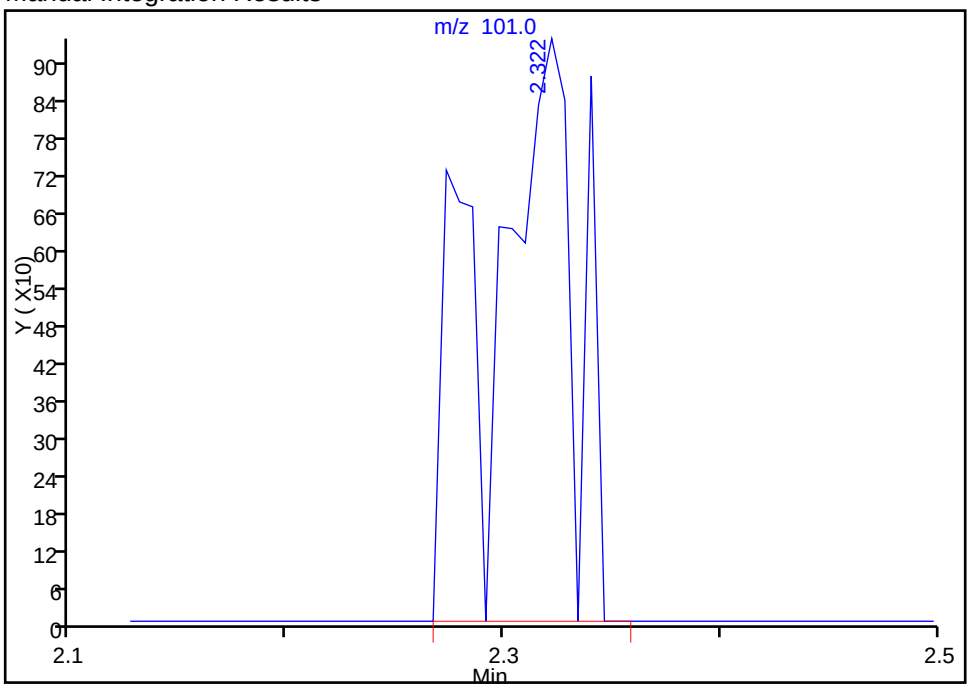
Not Detected
Expected RT: 2.29

Processing Integration Results



Manual Integration Results

RT: 2.32
Area: 2704
Amount: 0.313544
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

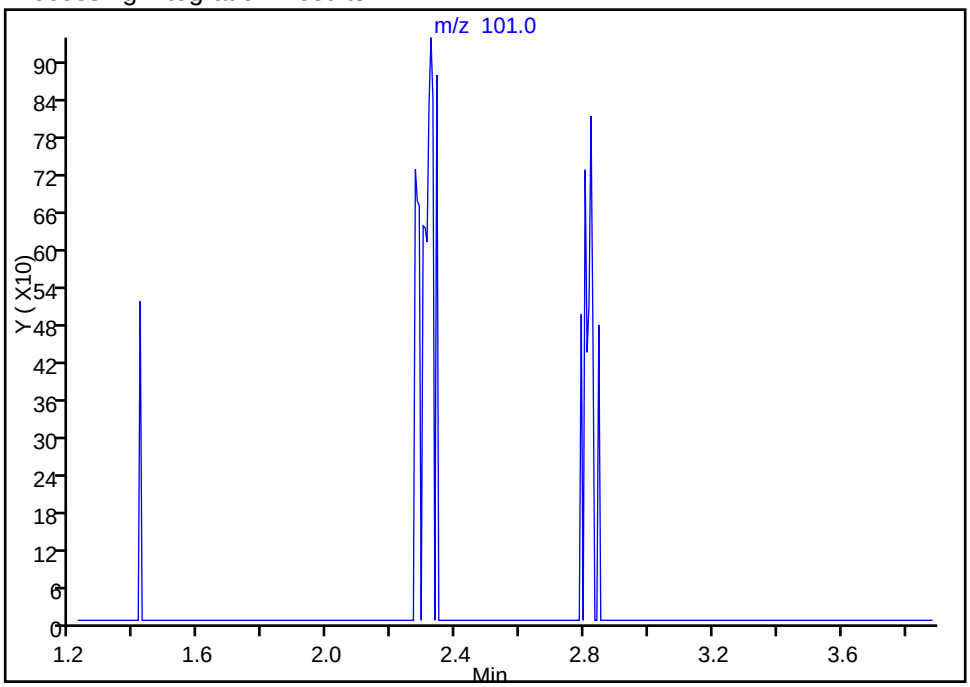
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

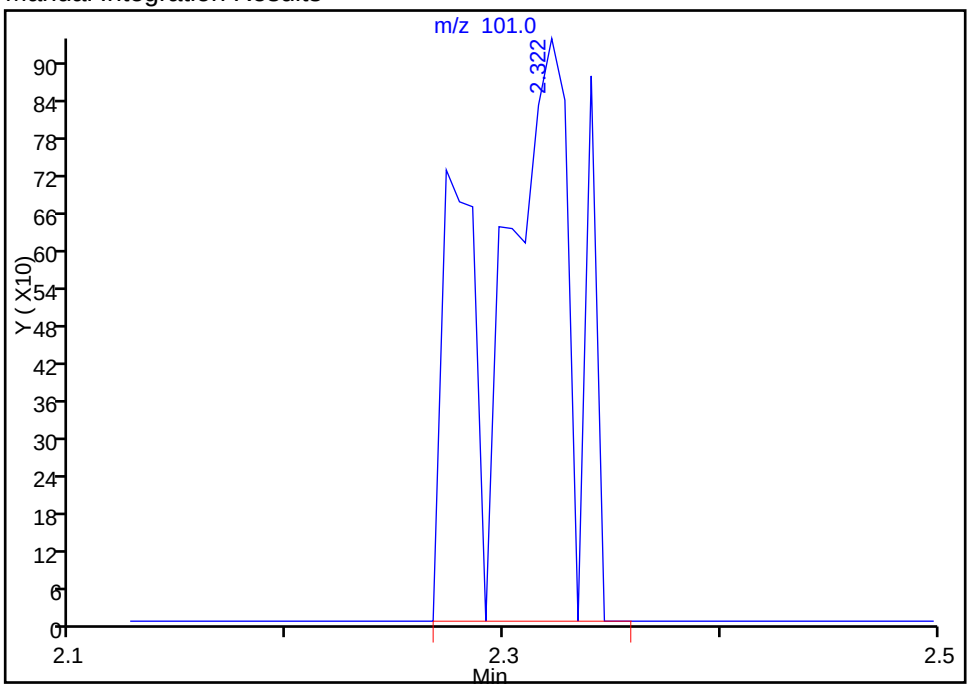
Not Detected
Expected RT: 2.29

Processing Integration Results



Manual Integration Results

RT: 2.32
Area: 2704
Amount: 0.313544
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

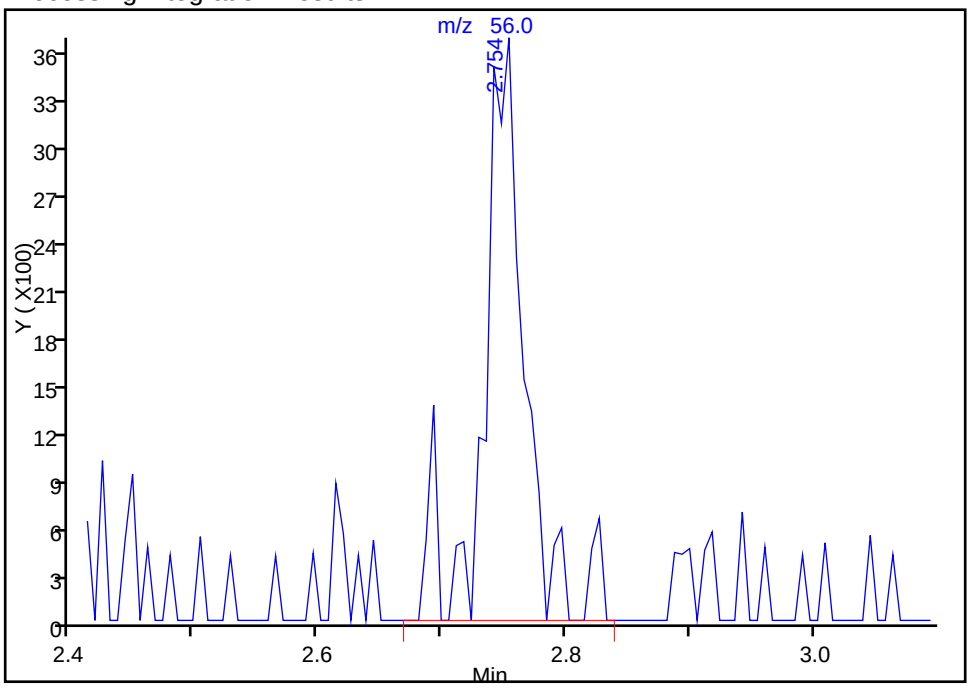
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

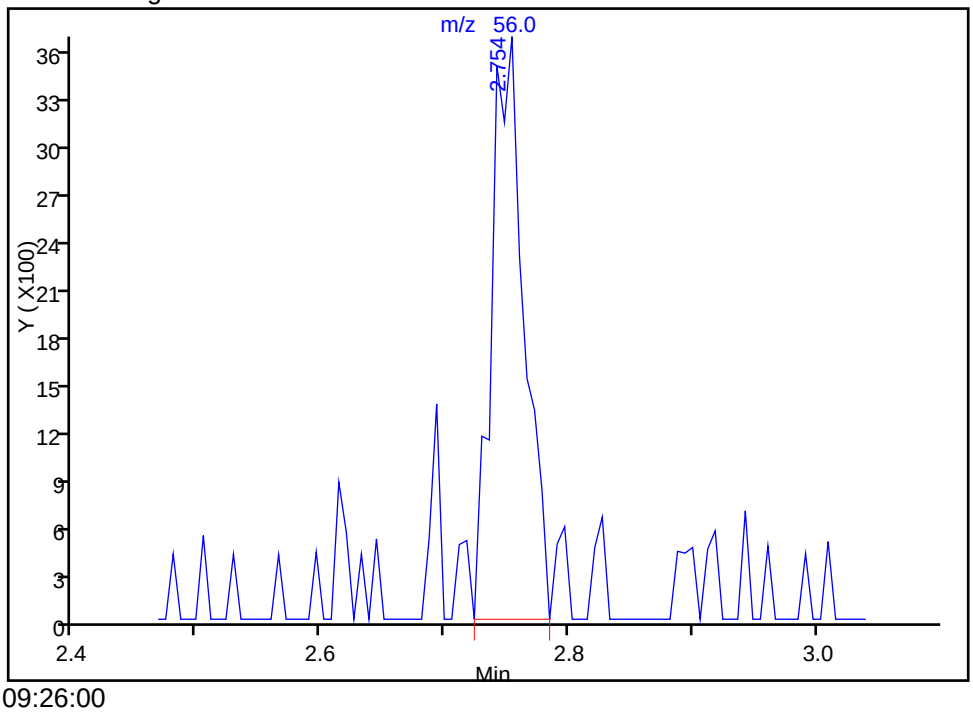
Processing Integration Results

RT: 2.75
Area: 8434
Amount: 2.558765
Amount Units: ug/L



Manual Integration Results

RT: 2.75
Area: 6644
Amount: 2.978297
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

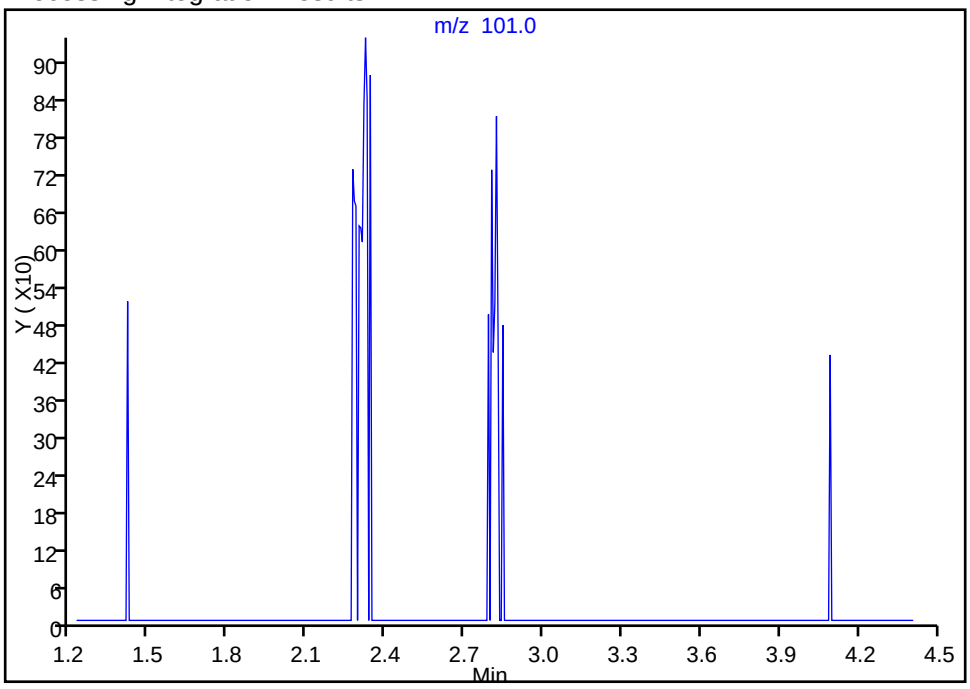
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

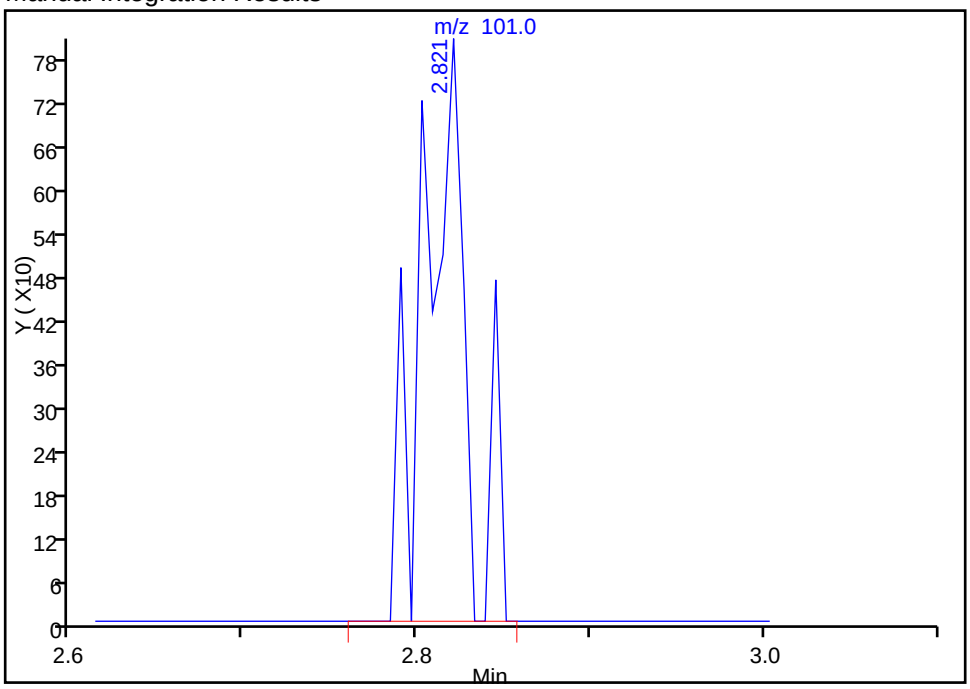
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.82
Area: 1422
Amount: 0.234884
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

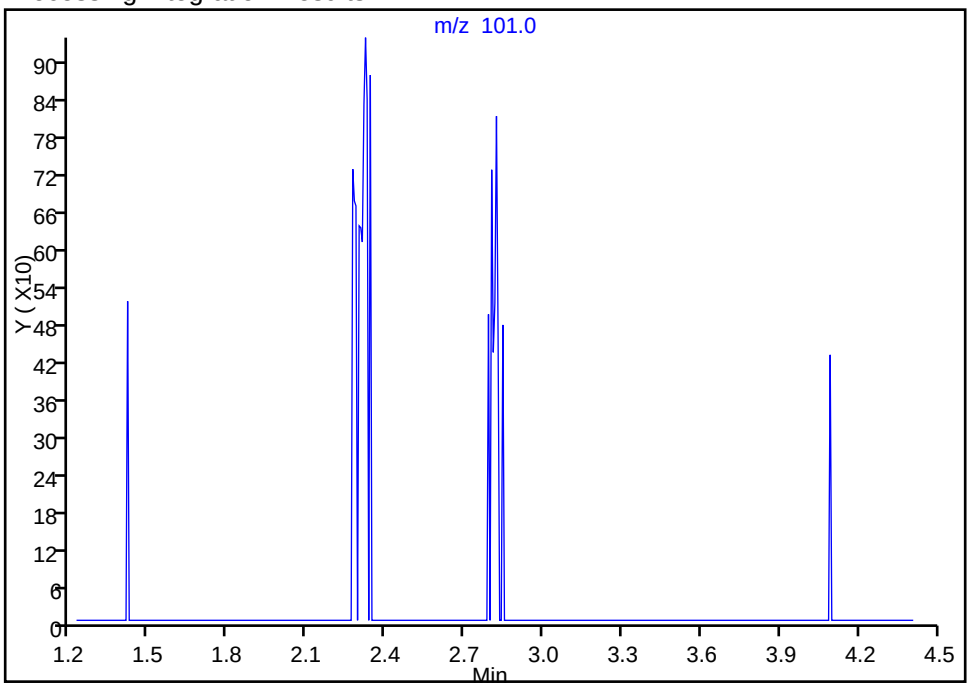
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

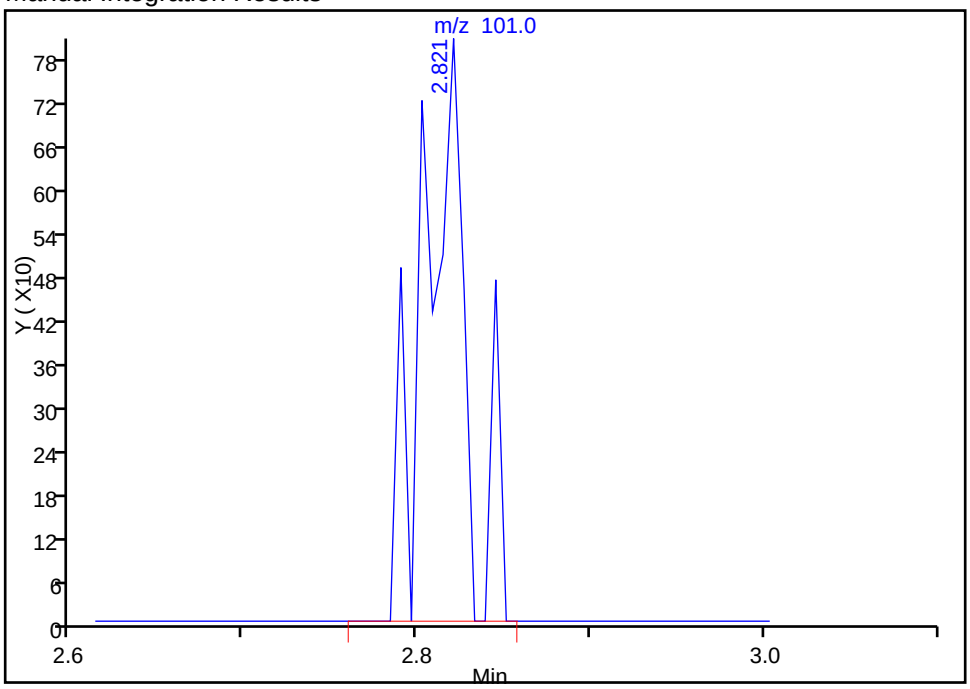
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.82
Area: 1422
Amount: 0.234884
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

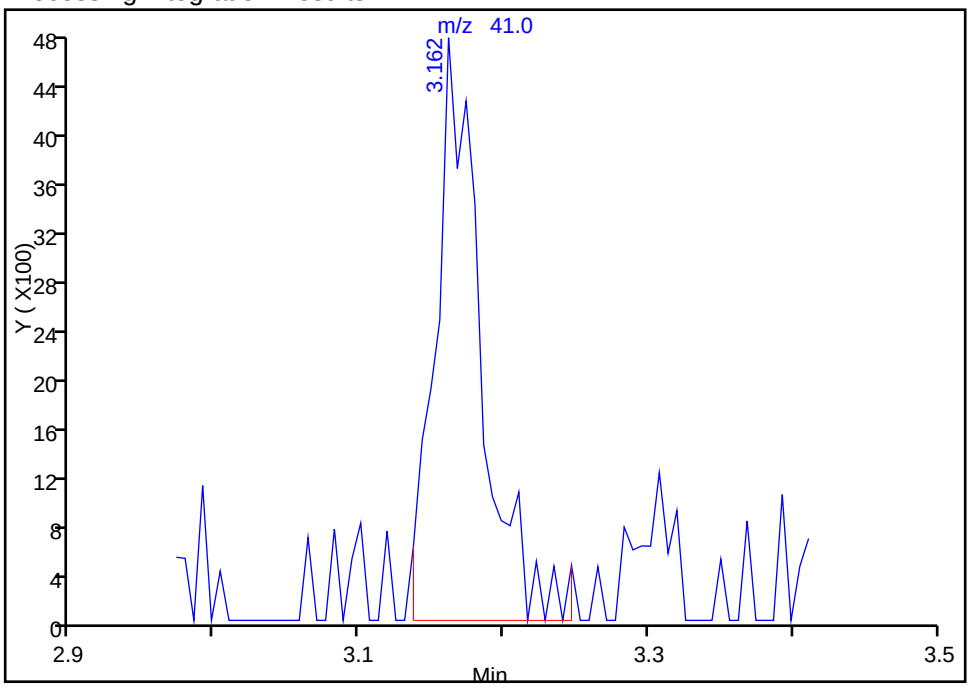
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

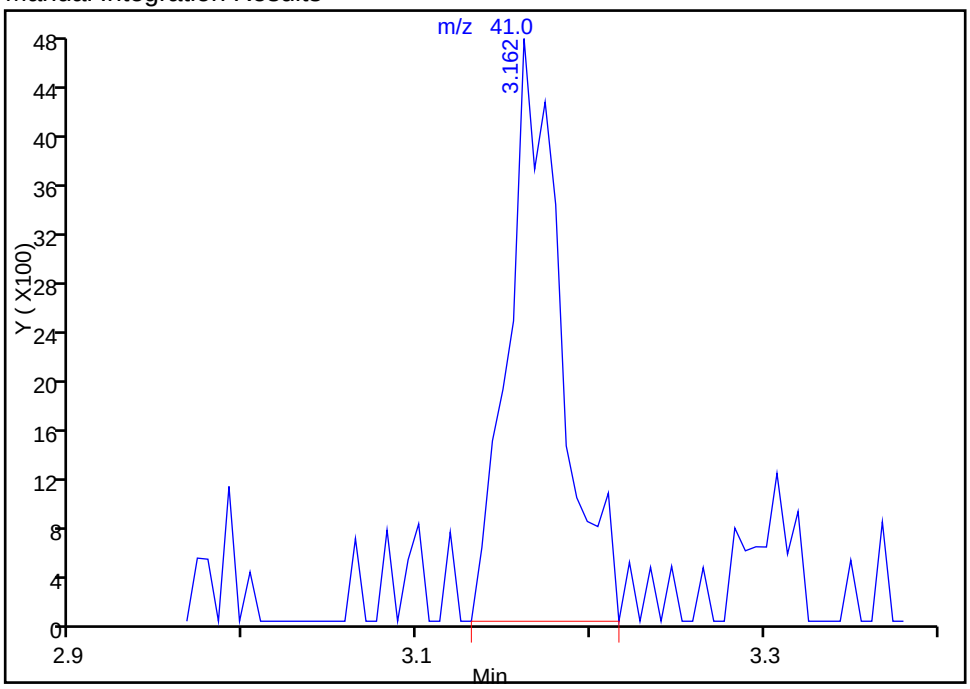
Processing Integration Results

RT: 3.16
Area: 10623
Amount: 0.604659
Amount Units: ug/L



Manual Integration Results

RT: 3.16
Area: 10121
Amount: 0.593842
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

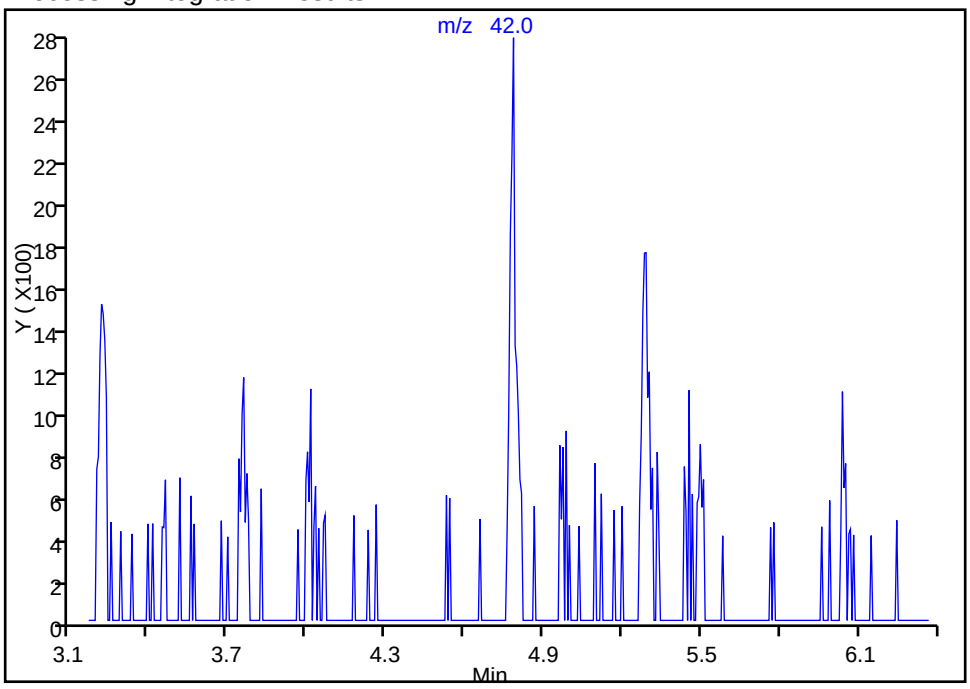
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

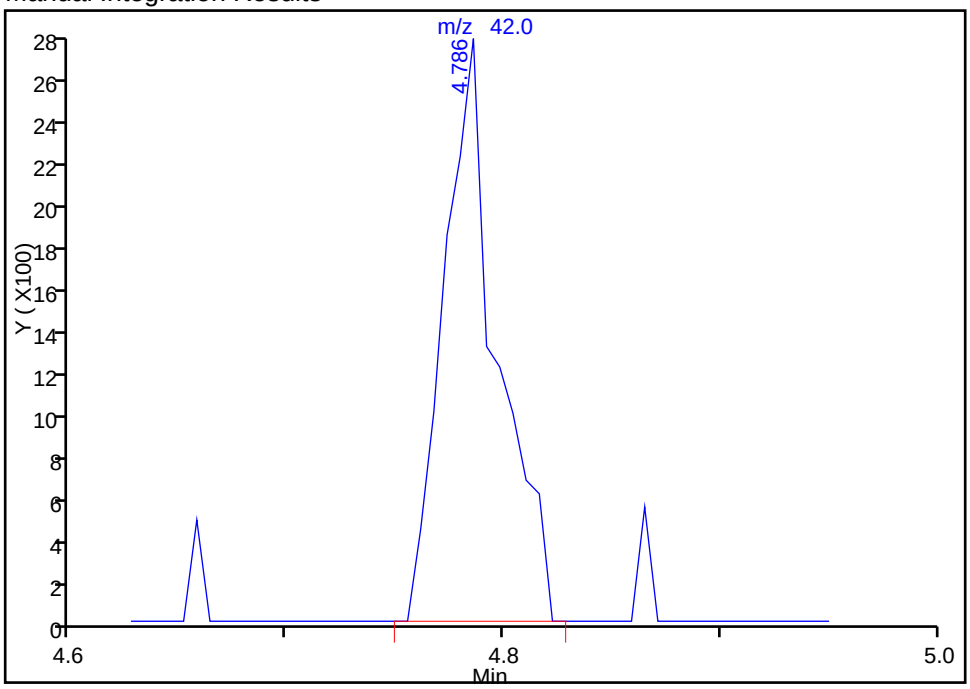
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 4791
Amount: 1.242802
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D

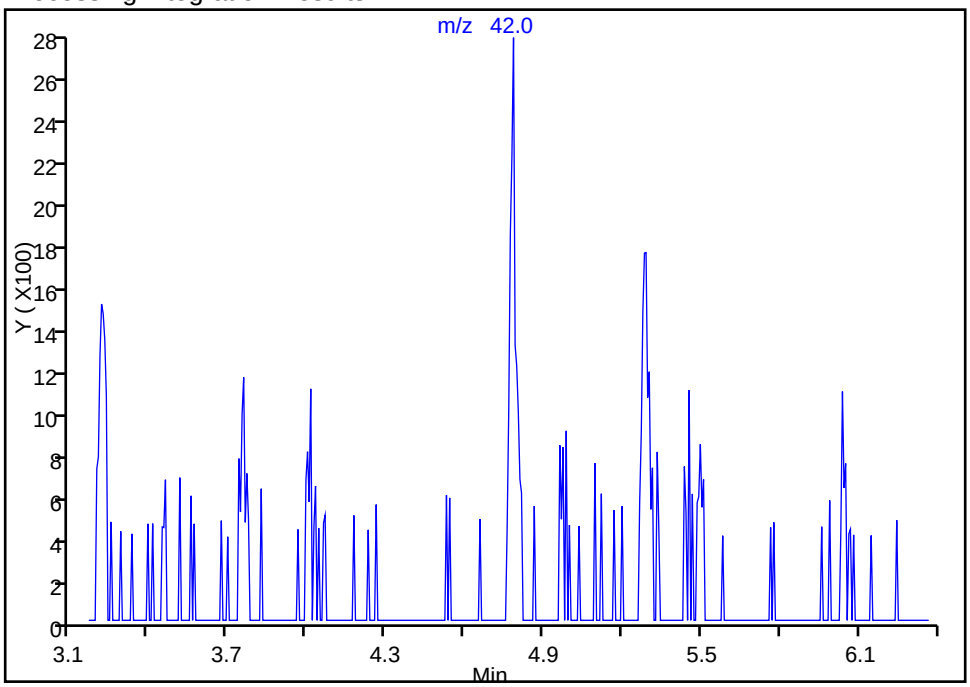
Injection Date:	18-May-2016 17:04:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	SO	ALS Bottle#:	47	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

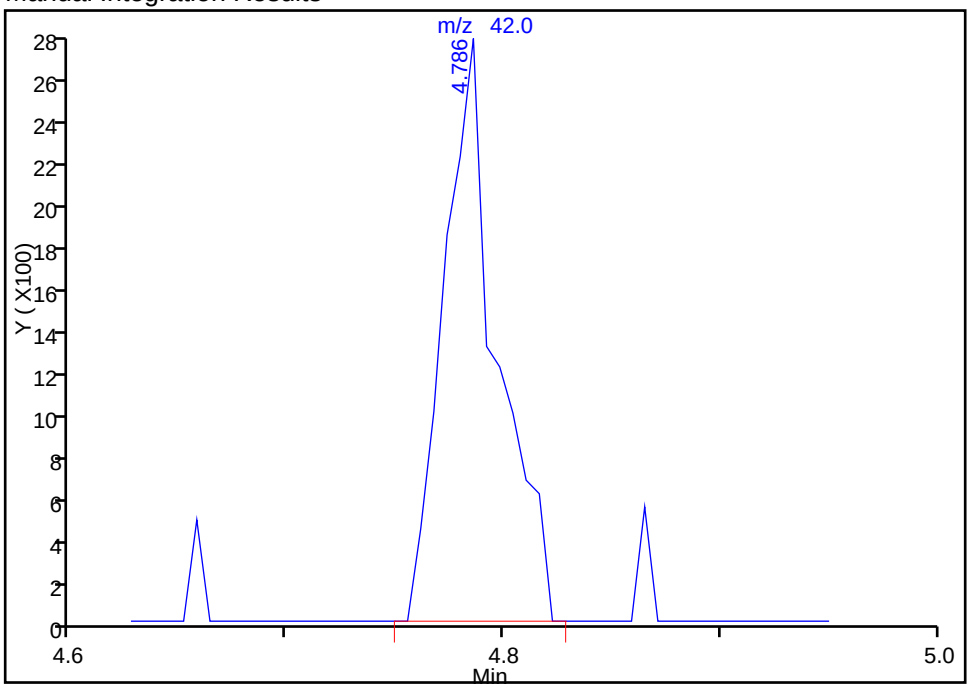
Processing Integration Results

Not Detected
Expected RT: 4.77



Manual Integration Results

RT: 4.79
Area: 4791
Amount: 1.242802
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

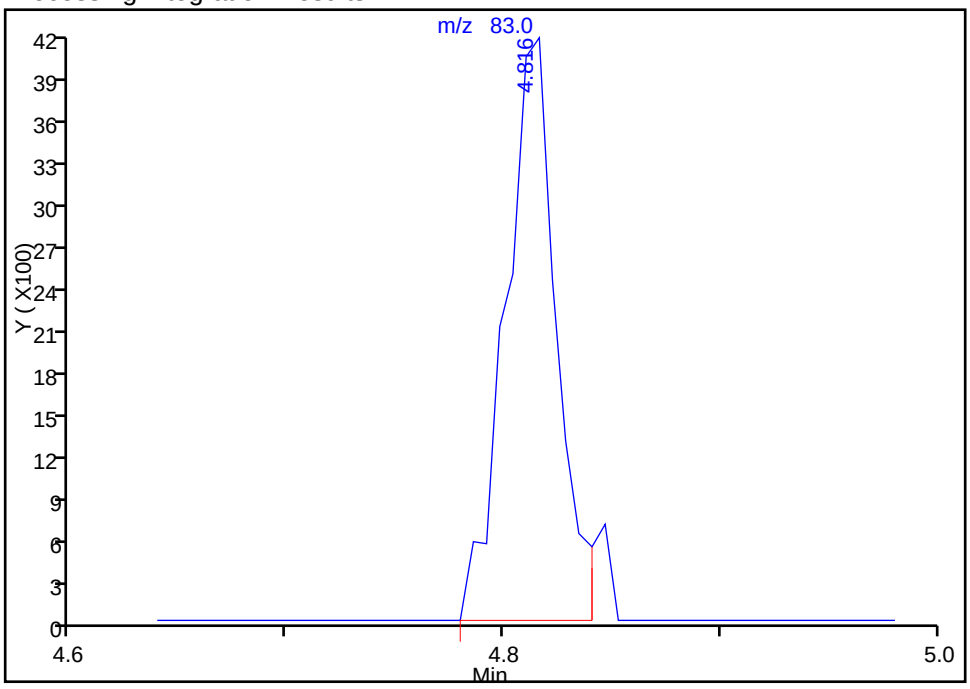
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

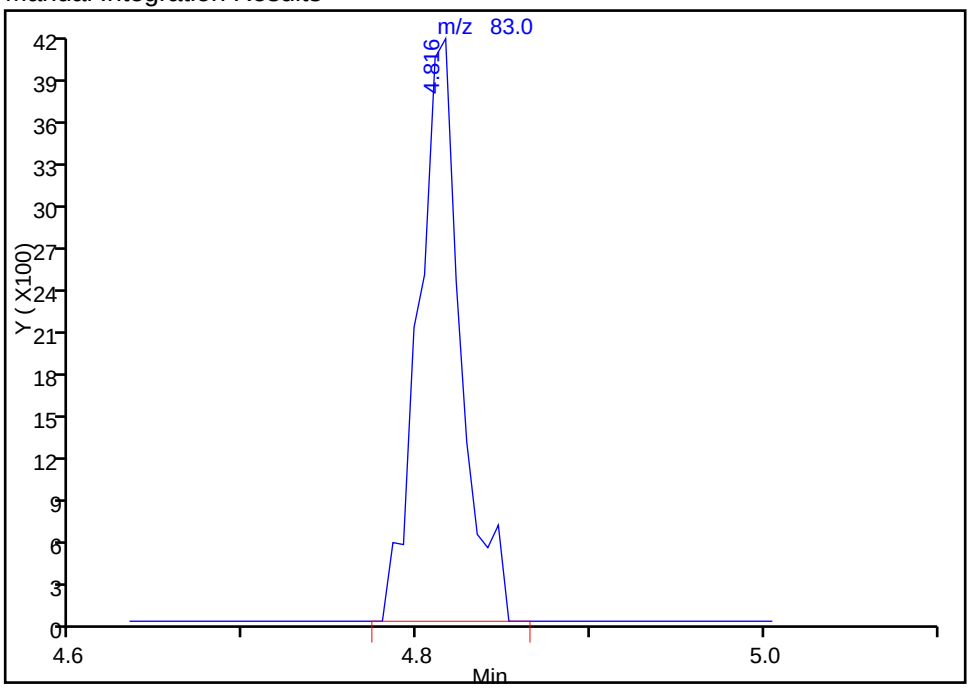
Processing Integration Results

RT: 4.82
Area: 6742
Amount: 0.494952
Amount Units: ug/L



Manual Integration Results

RT: 4.82
Area: 6988
Amount: 0.510706
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

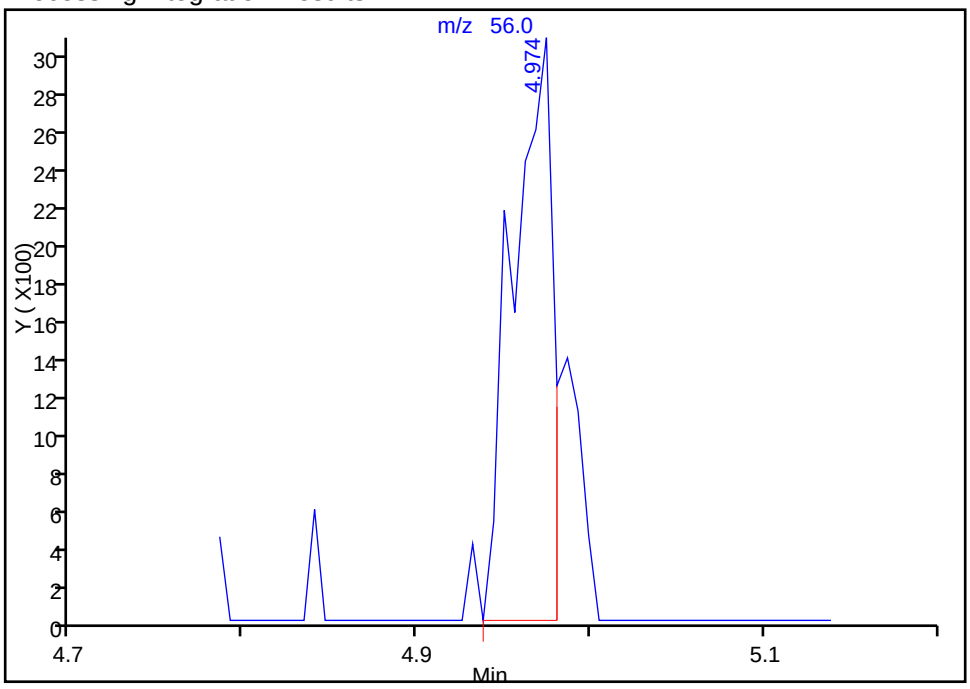
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

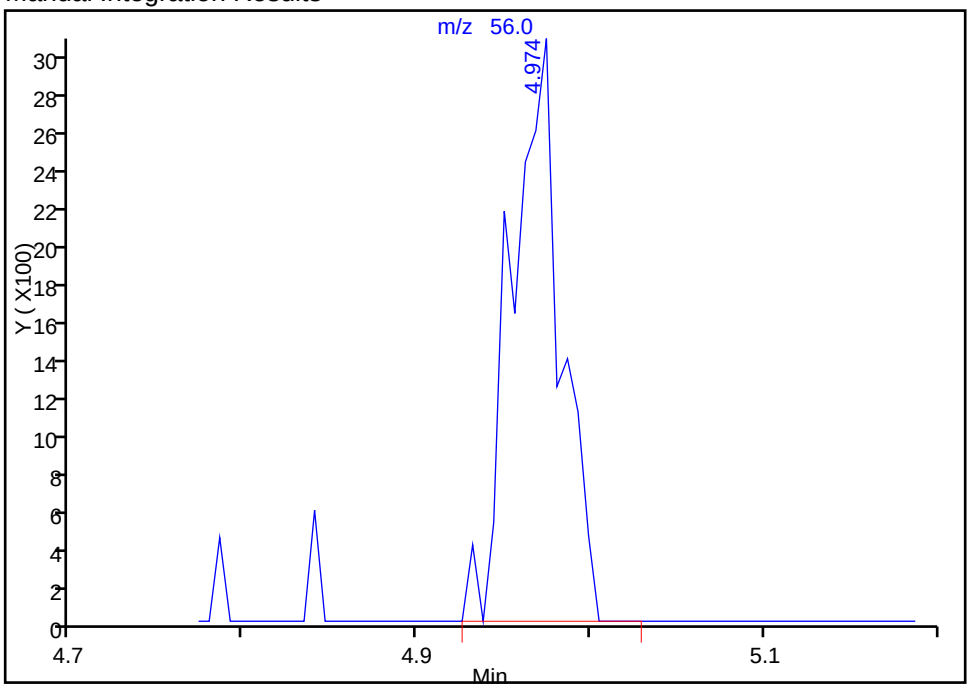
Processing Integration Results

RT: 4.97
Area: 4973
Amount: 0.385032
Amount Units: ug/L



Manual Integration Results

RT: 4.97
Area: 6193
Amount: 0.383890
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

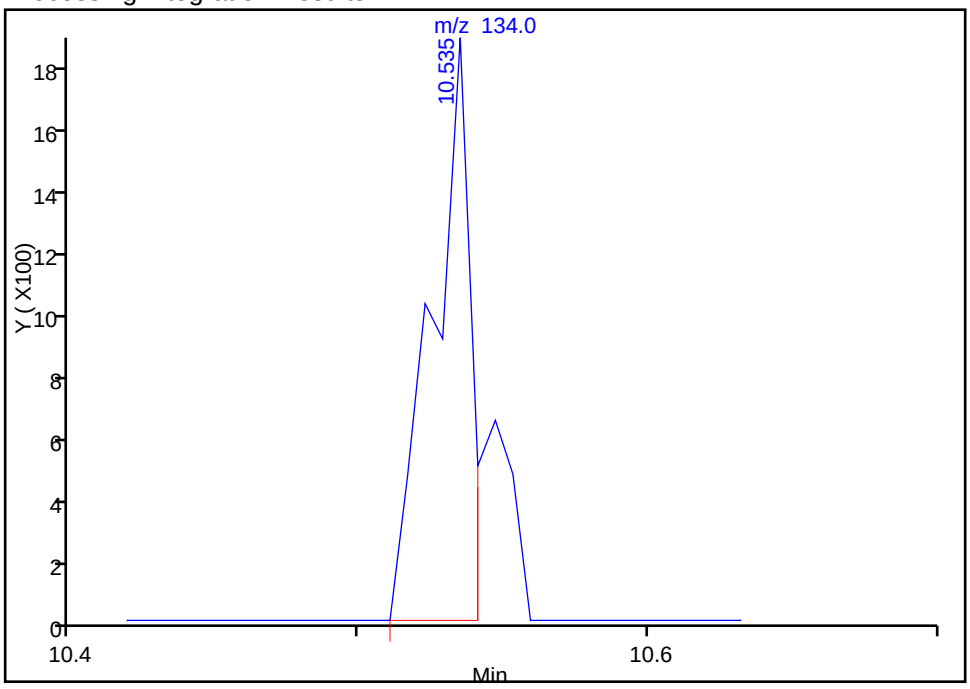
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

106 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

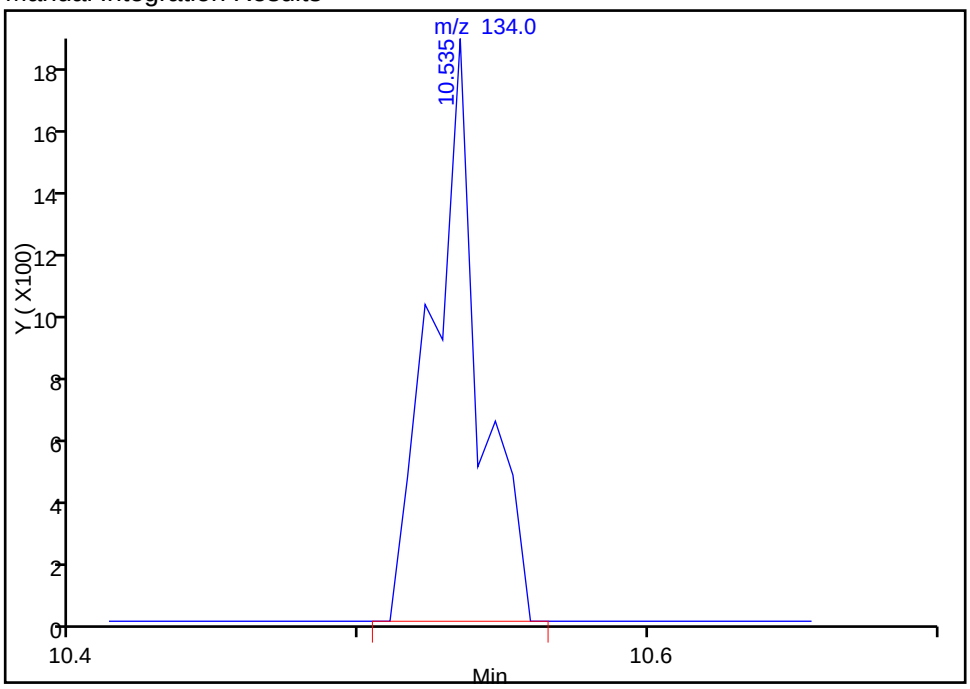
Processing Integration Results

RT: 10.53
Area: 1681
Amount: 0.356192
Amount Units: ug/L



Manual Integration Results

RT: 10.53
Area: 2075
Amount: 0.373324
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

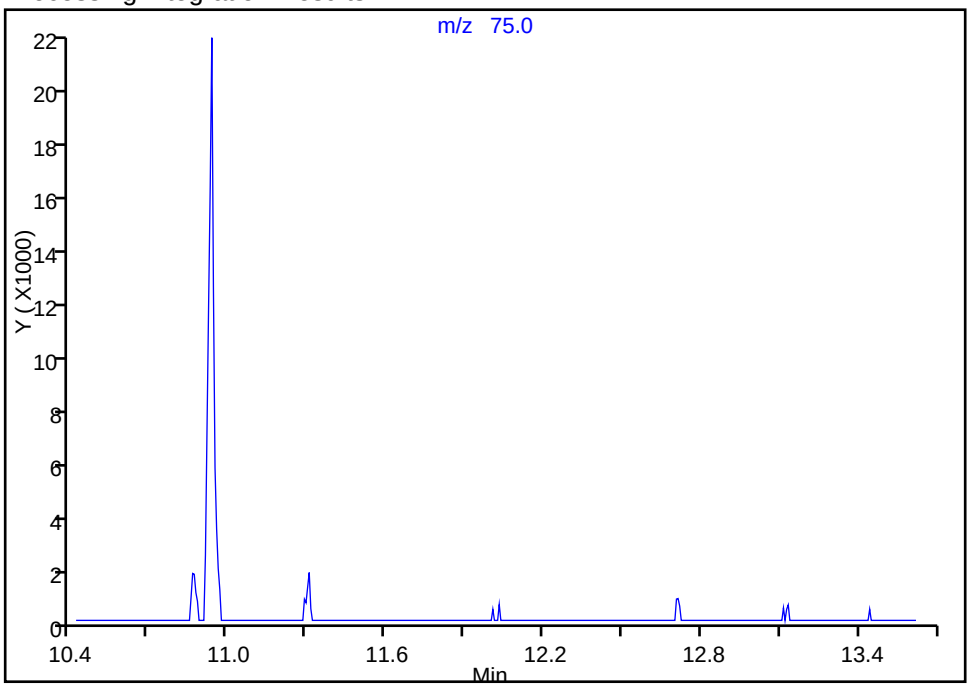
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3474.D
Injection Date: 18-May-2016 17:04:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 47 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

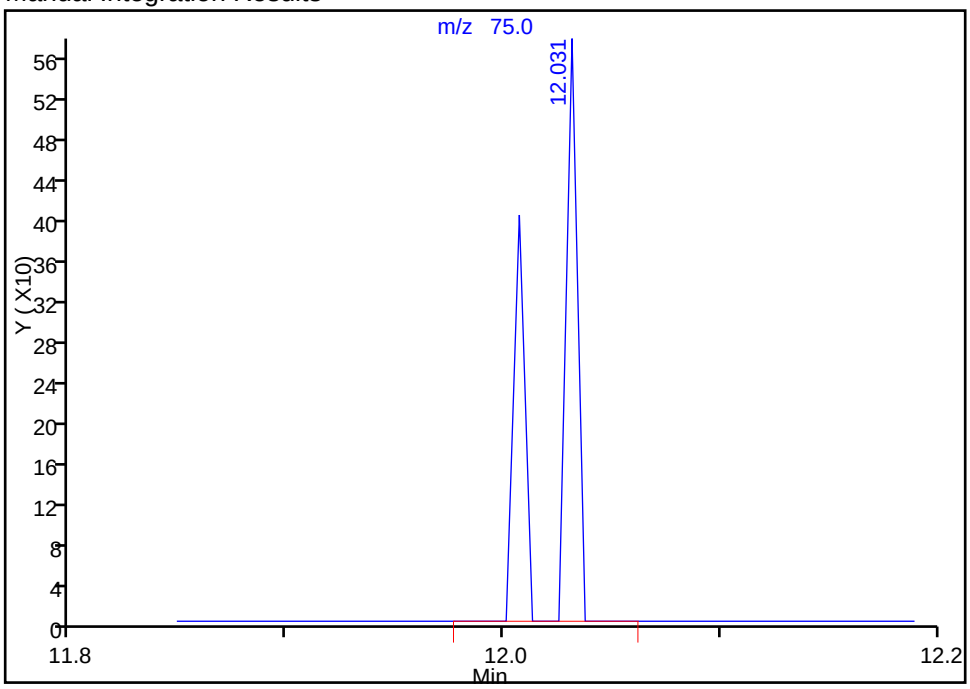
Not Detected
Expected RT: 12.02

Processing Integration Results



Manual Integration Results

RT: 12.03
Area: 358
Amount: 0.215809
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:26:00
Audit Action: Manually Integrated Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-May-2016 17:31:30 ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0053328-005
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:47 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 14:03:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.558	0.006	98	171883	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.558	-0.001	88	537869	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	98	250418	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	93	196982	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	264497	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	734572	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	85	197685	25.0	24.4	
11 Dichlorodifluoromethane	85	1.403	1.391	0.012	85	6893	1.00	0.9638	
13 Chloromethane	50	1.537	1.543	-0.006	98	15027	1.00	1.15	
14 Vinyl chloride	62	1.653	1.659	-0.006	97	11399	1.00	1.14	
144 Butadiene	54	1.677	1.677	0.000	88	12167	1.00	1.10	
15 Bromomethane	94	1.957	1.951	0.006	78	5799	1.00	1.21	
16 Chloroethane	64	2.054	2.060	-0.006	44	6148	1.00	1.10	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	93	12871	1.00	1.03	
18 Trichlorofluoromethane	101	2.322	2.285	0.037	40	8431	1.00	0.9782	
19 Ethyl ether	59	2.583	2.590	-0.007	91	10882	1.00	1.08	
20 Acrolein	56	2.748	2.748	0.000	91	11772	5.00	5.28	
22 1,1-Dichloroethene	96	2.796	2.796	0.000	95	6840	1.00	0.9704	
21 1,1,2-Trichloro-1,2,2-trif	101	2.796	2.809	-0.013	59	4468	1.00	0.7385	
23 Acetone	43	2.906	2.900	0.006	100	20950	5.00	5.95	M
24 Iodomethane	142	2.967	2.955	0.012	98	10889	1.00	1.00	
25 Carbon disulfide	76	2.997	2.997	0.000	99	23304	1.00	1.00	
27 3-Chloro-1-propene	41	3.161	3.168	-0.007	94	19021	1.00	1.12	
28 Methyl acetate	43	3.210	3.204	0.006	100	49647	5.00	5.49	
30 Methylene Chloride	84	3.295	3.301	-0.006	95	16145	1.00	0.9138	
31 2-Methyl-2-propanol	59	3.465	3.460	0.005	97	12670	10.0	10.4	
32 Methyl tert-butyl ether	73	3.532	3.533	-0.001	96	28027	1.00	1.07	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	79	7323	1.00	0.9527	
34 Acrylonitrile	53	3.569	3.563	0.006	99	48617	10.0	10.2	
35 Hexane	57	3.764	3.758	0.006	92	13335	1.00	0.9374	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.946	3.952	-0.006	95	16932	1.00	1.04	
39 Vinyl acetate	43	4.007	4.001	0.006	96	45499	2.00	2.07	
42 2,2-Dichloropropane	77	4.475	4.476	-0.001	46	9012	1.00	1.19	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	83	10312	1.00	1.13	
44 2-Butanone (MEK)	43	4.536	4.530	0.006	98	28704	5.00	5.37	
47 Chlorobromomethane	128	4.743	4.737	0.006	85	3766	1.00	0.9510	
49 Tetrahydrofuran	42	4.780	4.768	0.012	74	8736	2.00	2.27	
50 Chloroform	83	4.810	4.810	0.000	94	14311	1.00	1.05	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	1	8433	1.00	0.8464	
52 Cyclohexane	56	4.974	4.968	0.006	34	14358	1.00	0.8906	
53 Carbon tetrachloride	117	5.090	5.090	0.000	51	8392	1.00	1.00	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	78	10184	1.00	1.00	
56 Isobutyl alcohol	43	5.278	5.279	-0.001	45	13341	25.0	24.3	
55 Benzene	78	5.291	5.297	-0.006	92	32397	1.00	1.03	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	95	13881	1.00	1.12	
59 n-Heptane	43	5.503	5.498	0.005	87	13093	1.00	0.9284	
60 Trichloroethene	95	5.905	5.905	0.000	93	7213	1.00	0.9745	
62 Methylcyclohexane	83	6.051	6.045	0.006	91	11733	1.00	0.9024	
63 1,2-Dichloropropane	63	6.130	6.136	-0.006	95	8613	1.00	1.00	
64 Dibromomethane	93	6.270	6.264	0.006	90	4700	1.00	1.00	
66 1,4-Dioxane	88	6.288	6.282	0.006	1	1762	20.0	21.0	M
67 Dichlorobromomethane	83	6.416	6.416	0.000	94	9166	1.00	0.9313	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	83	4648	1.00	0.8985	
71 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	94	13328	1.00	1.05	
72 4-Methyl-2-pentanone (MIBK	58	6.988	6.982	0.006	96	20731	5.00	5.04	
73 Toluene	92	7.146	7.140	0.006	94	18367	1.00	0.9850	
75 trans-1,3-Dichloropropene	75	7.395	7.402	-0.007	92	11295	1.00	1.03	
77 Ethyl methacrylate	69	7.462	7.463	-0.001	92	9199	1.00	0.9801	
78 1,1,2-Trichloroethane	83	7.584	7.590	-0.006	89	4571	1.00	0.8720	
79 Tetrachloroethene	166	7.681	7.688	-0.007	87	6552	1.00	0.9735	
80 1,3-Dichloropropane	76	7.754	7.755	-0.001	91	11779	1.00	1.05	
82 2-Hexanone	43	7.821	7.821	0.000	98	31786	5.00	5.14	
83 Chlorodibromomethane	129	7.992	7.992	0.000	93	6009	1.00	0.9149	
84 Ethylene Dibromide	107	8.101	8.101	0.000	96	5649	1.00	0.8716	
85 Chlorobenzene	112	8.588	8.588	0.000	94	19233	1.00	1.01	
88 Ethylbenzene	91	8.685	8.685	0.000	98	41661	1.00	1.18	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	42	5807	1.00	0.8871	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	25916	1.00	0.9250	
91 o-Xylene	106	9.239	9.233	0.006	96	16260	1.00	1.15	
92 Styrene	104	9.257	9.263	-0.006	93	20914	1.00	0.9782	
93 Bromoform	173	9.488	9.494	-0.006	88	4017	1.00	1.02	
95 Isopropylbenzene	105	9.616	9.622	-0.006	96	31905	1.00	0.99	
97 Bromobenzene	156	9.951	9.951	0.000	95	7286	1.00	0.9881	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	89	8865	1.00	1.00	
99 1,2,3-Trichloropropane	110	10.017	10.024	-0.007	84	2809	1.00	1.06	
101 trans-1,4-Dichloro-2-buten	53	10.042	10.036	0.006	67	3603	1.00	1.04	M
100 N-Propylbenzene	91	10.042	10.042	0.000	99	36479	1.00	0.9620	
102 2-Chlorotoluene	126	10.145	10.139	0.006	95	7199	1.00	0.9705	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	95	26946	1.00	0.9785	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	28561	1.00	1.02	
106 tert-Butylbenzene	134	10.541	10.535	0.006	94	5590	1.00	0.9823	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	98	28936	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.741	10.742	-0.001	94	35375	1.00	1.03	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	94	15379	1.00	1.05	
111 4-Isopropyltoluene	119	10.881	10.882	-0.001	98	29190	1.00	1.02	
113 1,4-Dichlorobenzene	146	10.960	10.955	0.005	91	14868	1.00	1.02	
115 n-Butylbenzene	91	11.265	11.265	0.000	97	25893	1.00	0.9603	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	14849	1.00	1.06	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.019	0.006	1	1455	1.00	0.8567	
119 1,2,4-Trichlorobenzene	180	12.706	12.713	-0.007	88	10618	1.00	1.12	
120 Hexachlorobutadiene	225	12.828	12.834	-0.006	88	4827	1.00	0.99	
121 Naphthalene	128	12.919	12.920	-0.001	95	26436	1.00	1.03	
122 1,2,3-Trichlorobenzene	180	13.120	13.126	-0.006	93	9101	1.00	1.07	
S 125 Total BTEX	1				0			5.26	
S 126 Xylenes, Total	1				0			2.07	
S 123 1,3-Dichloropropene, Total	1				0			2.07	
S 124 1,2-Dichloroethene, Total	1				0			2.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	1.00	Units: uL	
GAS CORP mix_00155	Amount Added:	1.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

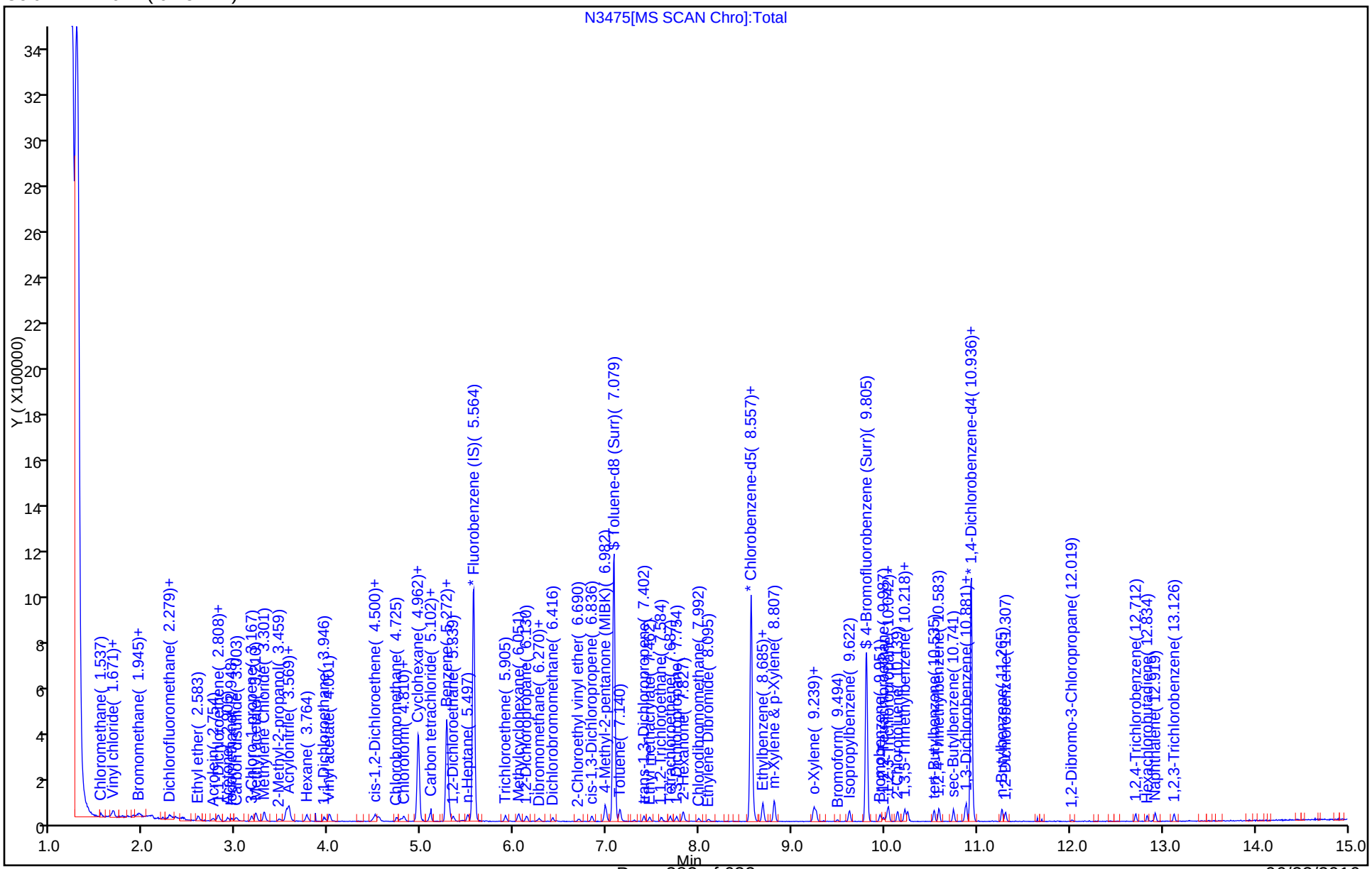
Report Date: 19-May-2016 14:05:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D

Injection Date:	18-May-2016 17:31:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	48
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

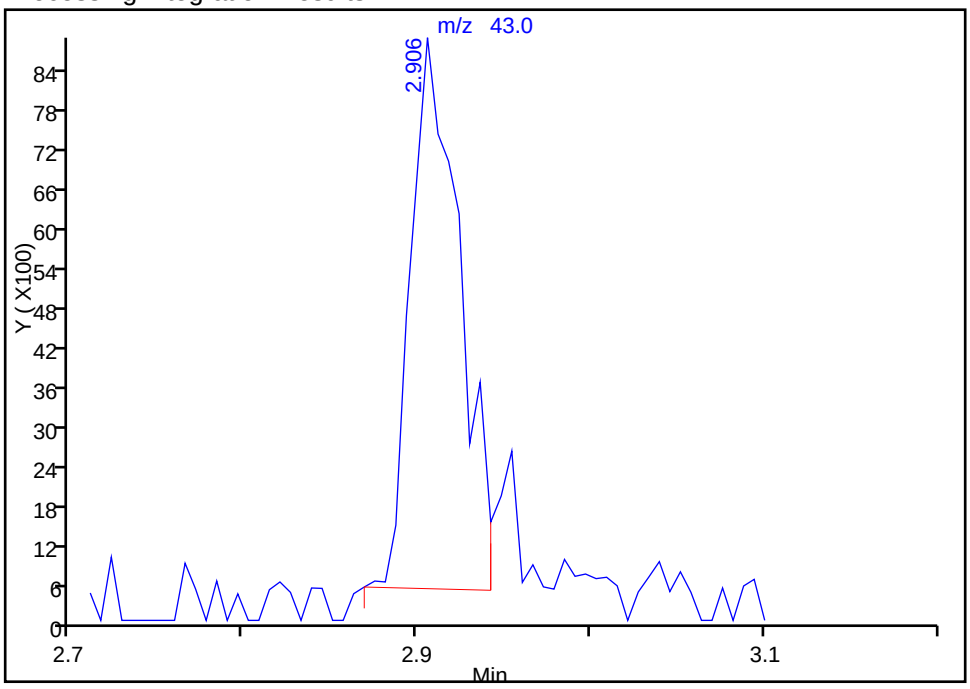
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

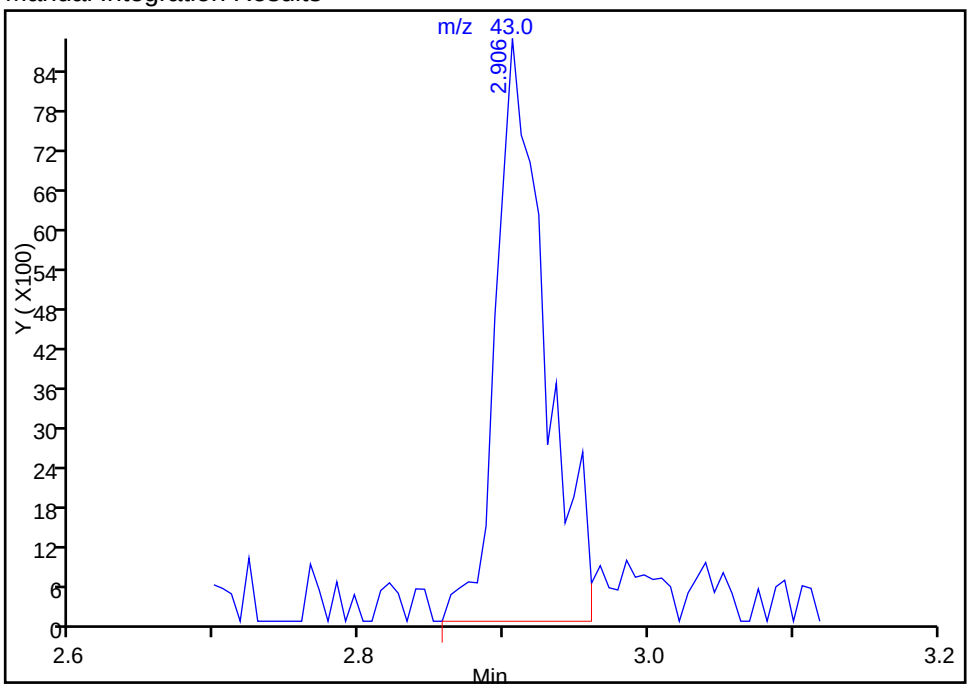
Processing Integration Results

RT: 2.91
Area: 16657
Amount: 3.648329
Amount Units: ug/L



Manual Integration Results

RT: 2.91
Area: 20950
Amount: 5.948162
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:28:18
Audit Action: Split an Integrated Peak Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

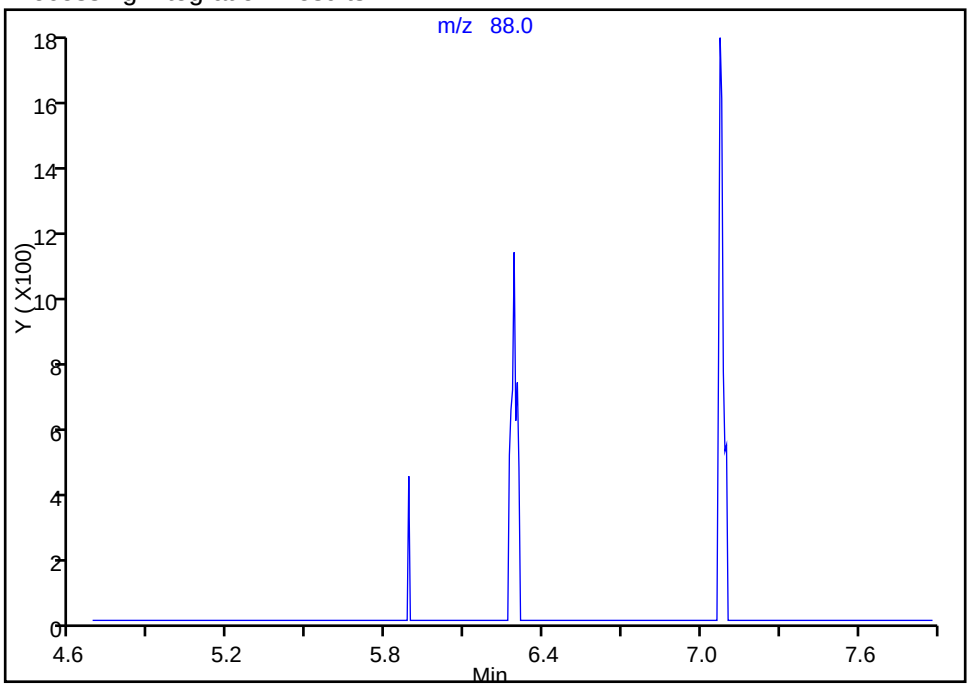
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

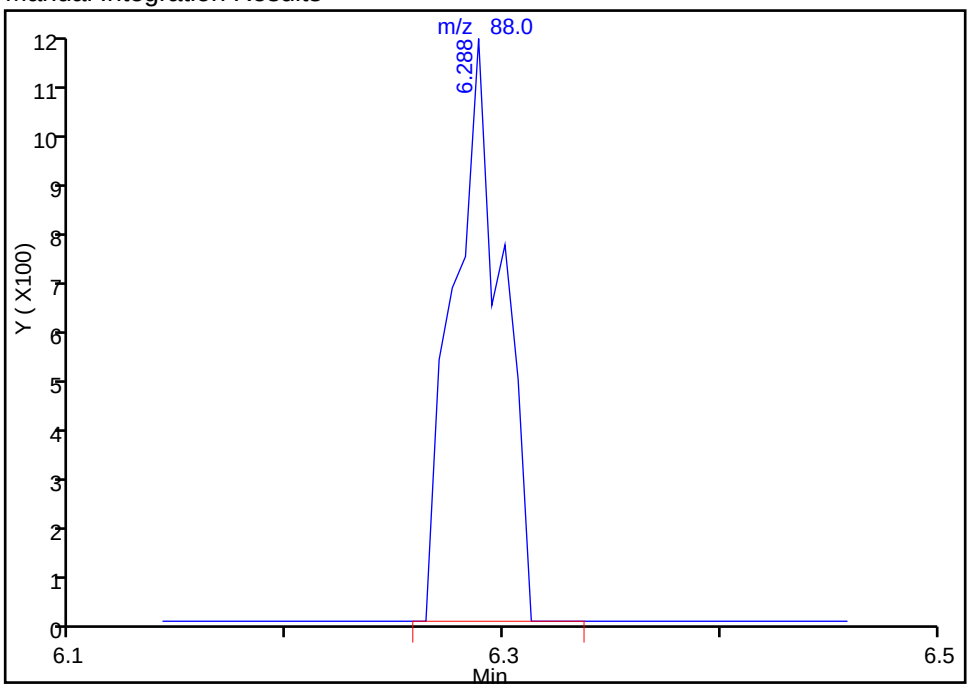
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 1762
Amount: 21.002419
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:28:18
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

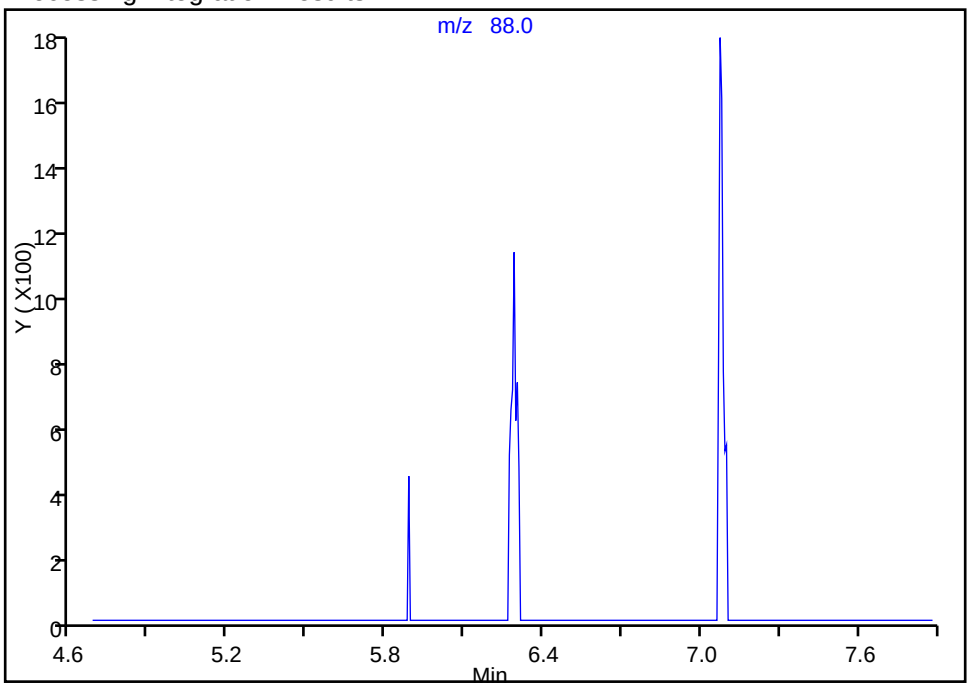
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

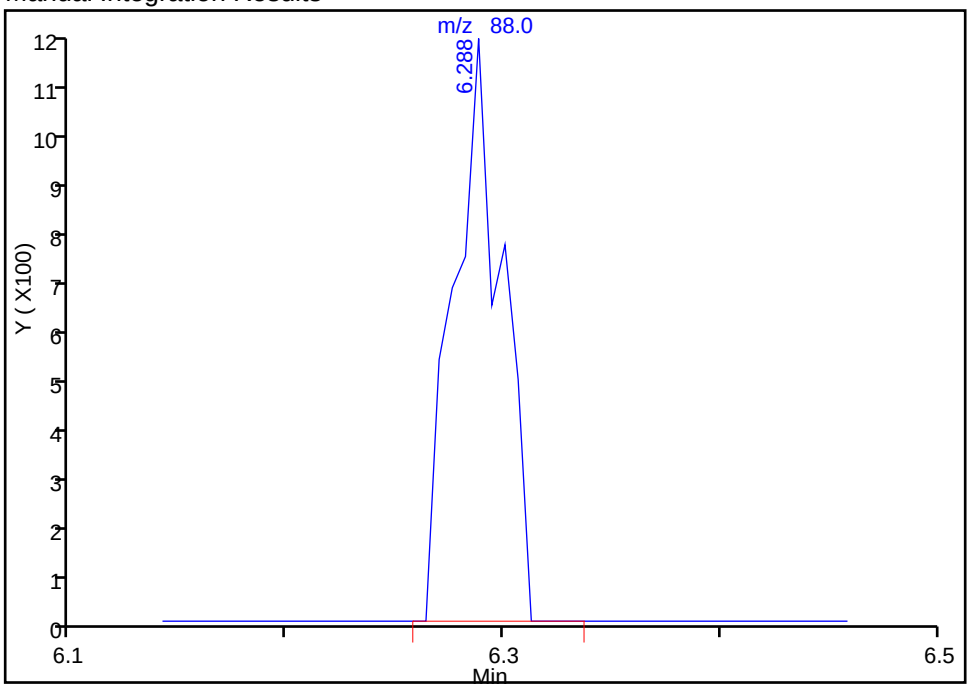
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 1762
Amount: 21.002419
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:28:18
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

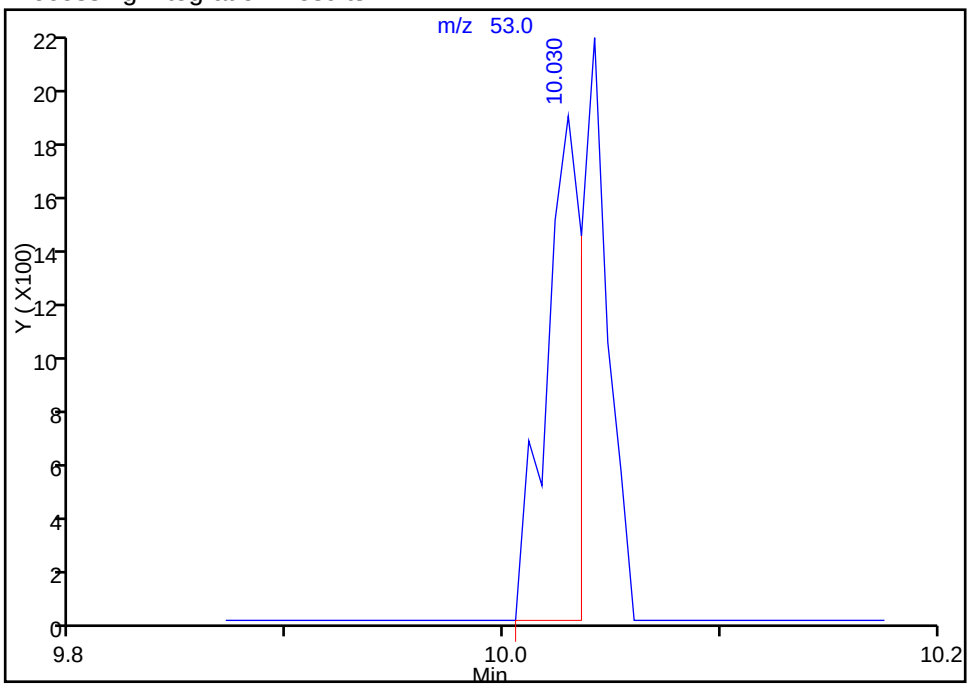
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3475.D
Injection Date: 18-May-2016 17:31:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 48 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

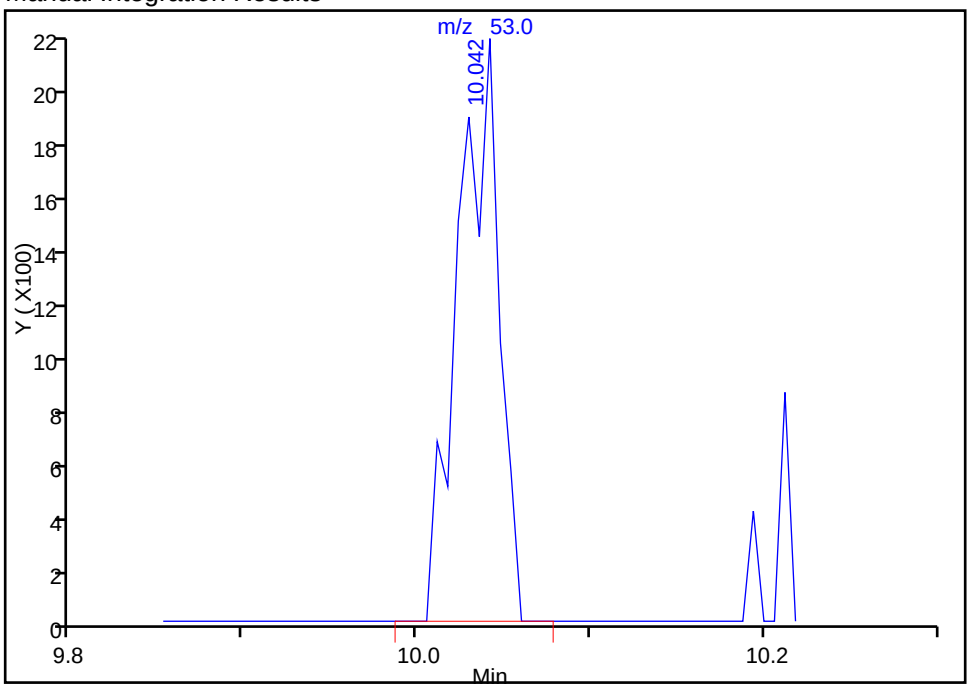
Processing Integration Results

RT: 10.03
Area: 2210
Amount: 0.671519
Amount Units: ug/L



Manual Integration Results

RT: 10.04
Area: 3603
Amount: 1.039776
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 14:03:20
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-May-2016 17:58:30 ALS Bottle#: 49 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0053328-006
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:51 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:29:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.558	0.000	98	171815	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	90	542325	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	98	247308	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	94	195573	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	260111	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	93	750929	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	205151	25.0	25.1	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	40	11931	2.00	1.67	
13 Chloromethane	50	1.537	1.543	-0.006	99	26084	2.00	1.99	
14 Vinyl chloride	62	1.653	1.659	-0.006	96	18660	2.00	1.87	
144 Butadiene	54	1.671	1.677	-0.006	88	19536	2.00	1.76	
15 Bromomethane	94	1.957	1.951	0.006	88	10128	2.00	2.11	
16 Chloroethane	64	2.066	2.060	0.006	93	10918	2.00	1.96	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	96	26969	2.00	2.17	
18 Trichlorofluoromethane	101	2.310	2.285	0.025	38	13749	2.00	1.60	
19 Ethyl ether	59	2.590	2.590	0.000	93	20299	2.00	2.02	
20 Acrolein	56	2.742	2.748	-0.006	98	22989	10.0	10.3	
22 1,1-Dichloroethene	96	2.809	2.796	0.013	90	14337	2.00	2.03	
21 1,1,2-Trichloro-1,2,2-trif	101	2.803	2.809	-0.006	61	10786	2.00	1.78	
23 Acetone	43	2.906	2.900	0.006	99	42059	10.0	11.9	
24 Iodomethane	142	2.955	2.955	0.000	96	22963	2.00	2.10	
25 Carbon disulfide	76	3.003	2.997	0.006	100	45672	2.00	1.96	
27 3-Chloro-1-propene	41	3.168	3.168	0.000	91	34512	2.00	2.03	
28 Methyl acetate	43	3.210	3.204	0.006	99	96995	10.0	10.7	
30 Methylene Chloride	84	3.301	3.301	0.000	96	23615	2.00	1.84	
31 2-Methyl-2-propanol	59	3.460	3.460	0.000	97	26040	20.0	21.3	
32 Methyl tert-butyl ether	73	3.539	3.533	0.006	96	55556	2.00	2.12	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	69	15068	2.00	1.96	
34 Acrylonitrile	53	3.569	3.563	0.006	100	106008	20.0	22.3	
35 Hexane	57	3.764	3.758	0.006	88	26376	2.00	1.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	32916	2.00	2.02	
39 Vinyl acetate	43	4.007	4.001	0.006	96	94158	4.00	4.28	
42 2,2-Dichloropropane	77	4.476	4.476	0.000	87	14487	2.00	1.92	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	84	18709	2.00	2.06	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	99	58519	10.0	11.0	
47 Chlorobromomethane	128	4.731	4.737	-0.006	86	7960	2.00	2.01	
49 Tetrahydrofuran	42	4.780	4.768	0.012	84	16078	4.00	4.17	
50 Chloroform	83	4.810	4.810	0.000	95	28407	2.00	2.08	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	95	18499	2.00	1.86	
52 Cyclohexane	56	4.968	4.968	0.000	37	30383	2.00	1.89	
53 Carbon tetrachloride	117	5.090	5.090	0.000	71	15162	2.00	1.81	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	93	19560	2.00	1.92	
56 Isobutyl alcohol	43	5.285	5.279	0.006	47	29529	50.0	53.8	
55 Benzene	78	5.297	5.297	0.000	98	66640	2.00	2.11	
57 1,2-Dichloroethane	62	5.339	5.345	-0.006	96	25982	2.00	2.10	
59 n-Heptane	43	5.498	5.498	0.000	92	27020	2.00	1.92	
60 Trichloroethene	95	5.911	5.905	0.006	92	14768	2.00	2.00	
62 Methylcyclohexane	83	6.051	6.045	0.006	93	24706	2.00	1.90	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	93	17801	2.00	2.06	
64 Dibromomethane	93	6.264	6.264	0.000	89	9840	2.00	2.10	
66 1,4-Dioxane	88	6.282	6.282	0.000	1	3953	40.0	46.7	M
67 Dichlorobromomethane	83	6.422	6.416	0.006	96	20041	2.00	2.04	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	89	10459	2.00	2.02	
71 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	91	26181	2.00	2.06	
72 4-Methyl-2-pentanone (MIBK	58	6.988	6.982	0.006	96	44808	10.0	10.8	
73 Toluene	92	7.140	7.140	0.000	98	39141	2.00	2.08	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	21421	2.00	1.94	
77 Ethyl methacrylate	69	7.463	7.463	0.000	95	18738	2.00	1.98	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	91	10417	2.00	1.97	
79 Tetrachloroethene	166	7.682	7.688	-0.006	92	12124	2.00	1.79	
80 1,3-Dichloropropane	76	7.755	7.755	0.000	95	22323	2.00	1.97	
82 2-Hexanone	43	7.821	7.821	0.000	97	67874	10.0	10.9	
83 Chlorodibromomethane	129	7.992	7.992	0.000	97	11724	2.00	1.77	
84 Ethylene Dibromide	107	8.101	8.101	0.000	97	14108	2.00	2.16	
85 Chlorobenzene	112	8.588	8.588	0.000	91	41221	2.00	2.14	
88 Ethylbenzene	91	8.685	8.685	0.000	98	74628	2.00	2.09	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	43	14009	2.00	2.12	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	39010	2.00	1.94	
91 o-Xylene	106	9.239	9.233	0.006	95	30197	2.00	2.11	
92 Styrene	104	9.257	9.263	-0.006	96	44966	2.00	2.09	
93 Bromoform	173	9.488	9.494	-0.006	89	7688	2.00	1.94	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	63713	2.00	2.01	
97 Bromobenzene	156	9.957	9.951	0.006	96	14334	2.00	1.97	
98 1,1,2,2-Tetrachloroethane	83	9.981	9.987	-0.006	93	18109	2.00	2.07	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	85	4692	2.00	1.80	
101 trans-1,4-Dichloro-2-buten	53	10.030	10.036	-0.006	68	5801	2.00	1.70	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	77850	2.00	2.08	
102 2-Chlorotoluene	126	10.139	10.139	0.000	94	14650	2.00	2.00	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	55344	2.00	2.03	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	60141	2.00	2.17	
106 tert-Butylbenzene	134	10.535	10.535	0.000	93	10780	2.00	1.92	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	96	61404	2.00	2.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.742	0.000	94	67819	2.00	2.00	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	95	29678	2.00	2.05	
111 4-Isopropyltoluene	119	10.882	10.882	0.000	98	57808	2.00	2.04	
113 1,4-Dichlorobenzene	146	10.961	10.955	0.006	90	29514	2.00	2.04	
115 n-Butylbenzene	91	11.265	11.265	0.000	97	53925	2.00	2.03	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	93	28890	2.00	2.09	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	67	3576	2.00	2.13	
119 1,2,4-Trichlorobenzene	180	12.707	12.713	-0.006	90	18399	2.00	1.96	
120 Hexachlorobutadiene	225	12.828	12.834	-0.006	92	9533	2.00	1.99	
121 Naphthalene	128	12.920	12.920	0.000	97	48049	2.00	1.90	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	91	15964	2.00	1.90	
S 125 Total BTEX	1				0			10.3	
S 126 Xylenes, Total	1				0			4.05	
S 123 1,3-Dichloropropene, Total	1				0			3.99	
S 124 1,2-Dichloroethene, Total	1				0			4.02	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	2.00	Units: uL	
GAS CORP mix_00155	Amount Added:	2.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

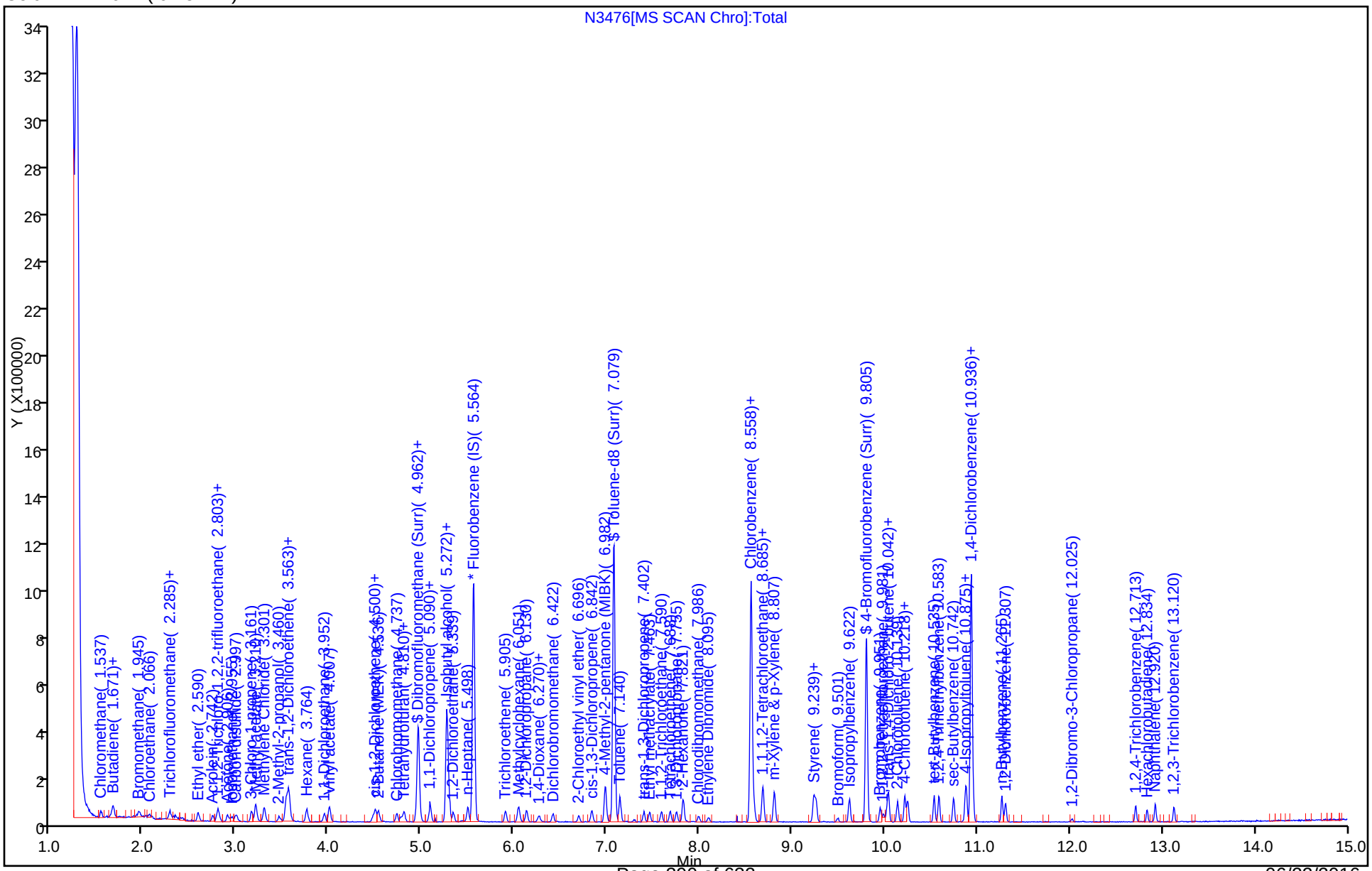
Report Date: 19-May-2016 14:05:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D

Injection Date:	18-May-2016 17:58:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	49
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

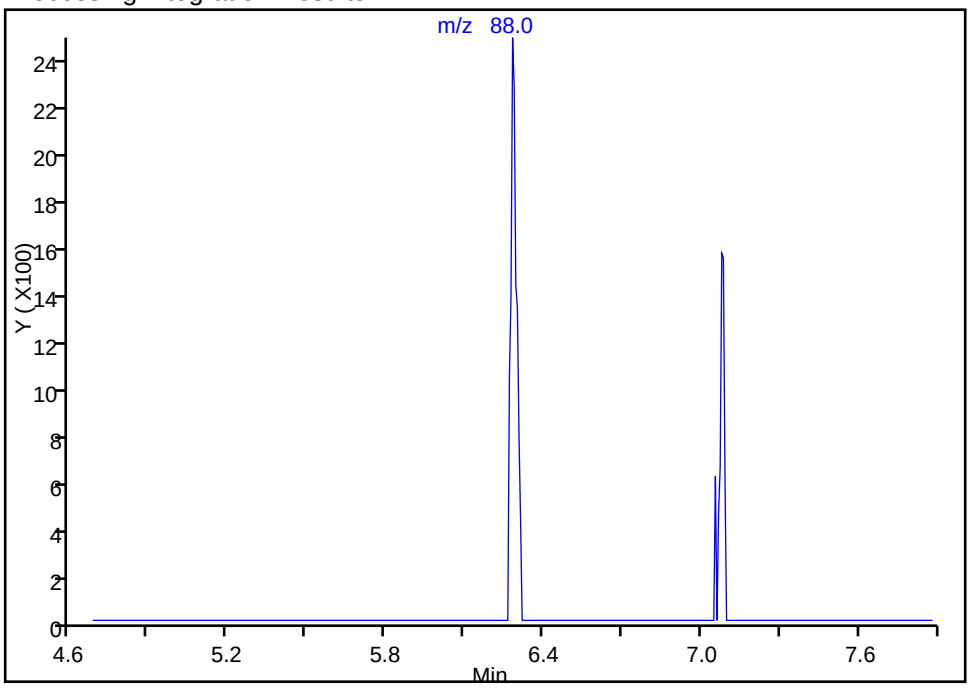
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D
Injection Date: 18-May-2016 17:58:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: SO ALS Bottle#: 49 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

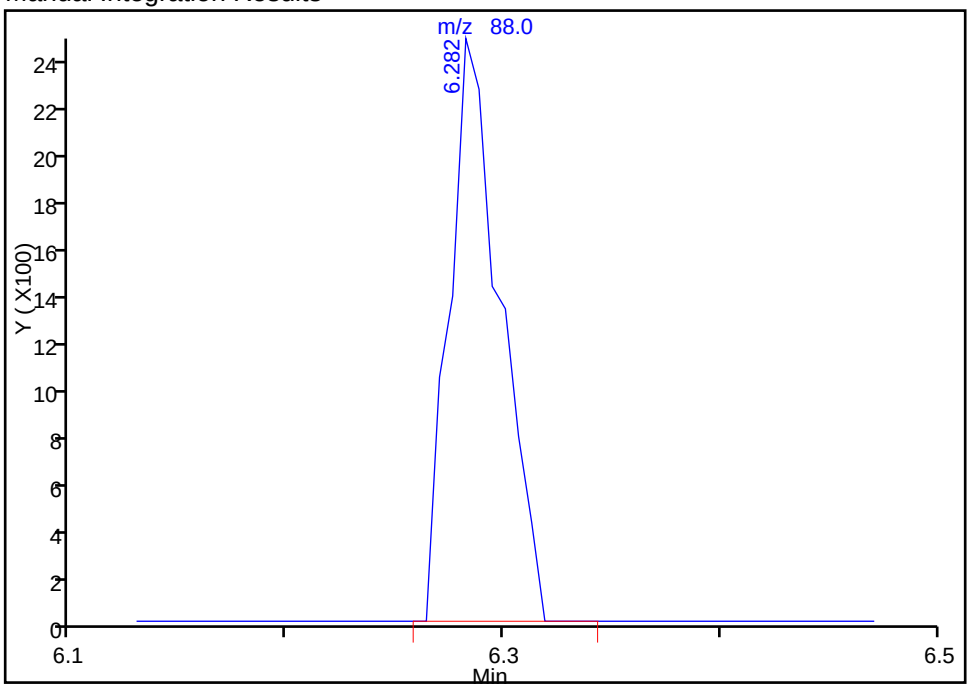
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.28
Area: 3953
Amount: 46.731221
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:29:19
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3476.D

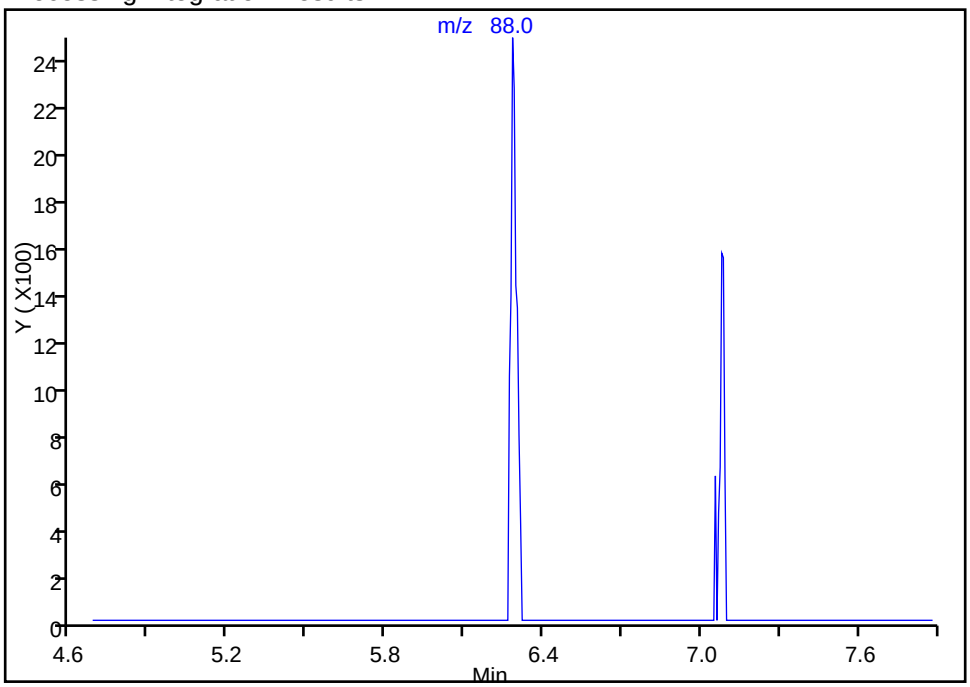
Injection Date:	18-May-2016 17:58:30	Instrument ID:	HP5973N		
Lims ID:	IC 2				
Client ID:					
Operator ID:	SO	ALS Bottle#:	49	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

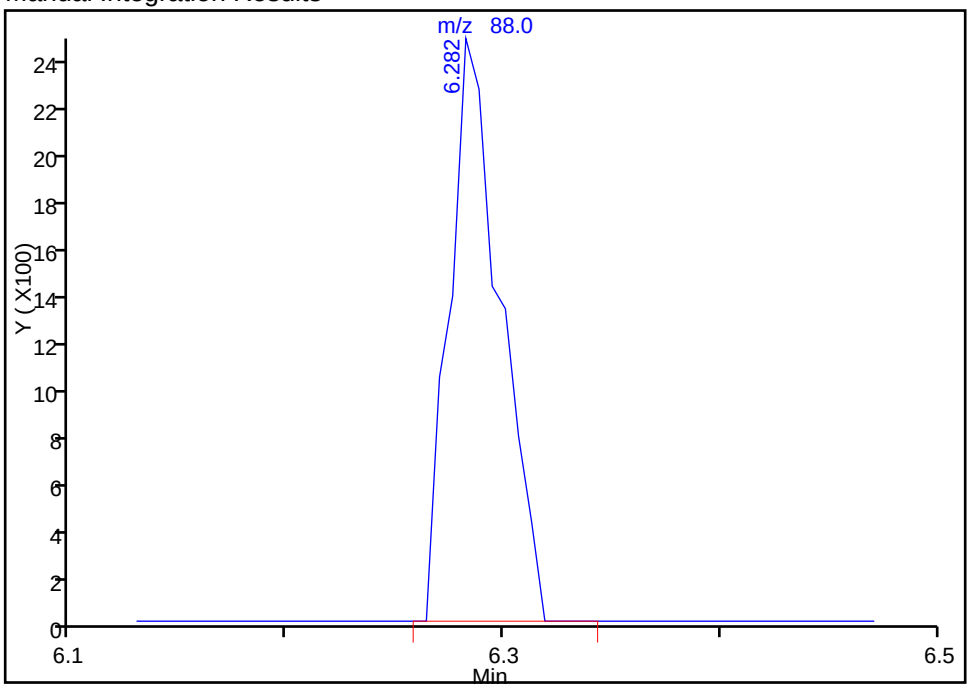
Processing Integration Results

Not Detected
Expected RT: 6.28



Manual Integration Results

RT: 6.28
Area: 3953
Amount: 46.731221
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:29:19
Audit Action: Manually Integrated Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3477.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-May-2016 18:25:30 ALS Bottle#: 50 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0053328-007
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:56 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:30:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.558	5.558	0.000	97	170128	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.557	0.000	89	541798	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	251529	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	95	203661	25.0	26.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	261983	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	754982	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	84	210270	25.0	25.7	
11 Dichlorodifluoromethane	85	1.397	1.397	0.000	98	39806	5.00	5.62	
13 Chloromethane	50	1.537	1.537	0.000	99	70686	5.00	5.44	
14 Vinyl chloride	62	1.659	1.659	0.000	97	49939	5.00	5.06	
144 Butadiene	54	1.677	1.677	0.000	88	60144	5.00	5.48	
15 Bromomethane	94	1.957	1.957	0.000	90	23211	5.00	4.89	
16 Chloroethane	64	2.060	2.060	0.000	96	27280	5.00	4.95	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	97	63622	5.00	5.17	
18 Trichlorofluoromethane	101	2.310	2.310	0.000	80	45517	5.00	5.34	
19 Ethyl ether	59	2.589	2.589	0.000	94	48385	5.00	4.86	
20 Acrolein	56	2.748	2.748	0.000	97	58843	25.0	26.7	
22 1,1-Dichloroethene	96	2.802	2.802	0.000	93	33346	5.00	4.78	
21 1,1,2-Trichloro-1,2,2-trif	101	2.802	2.802	0.000	61	30527	5.00	5.10	
23 Acetone	43	2.912	2.912	0.000	100	89141	25.0	25.6	
24 Iodomethane	142	2.954	2.954	0.000	99	55894	5.00	5.17	
25 Carbon disulfide	76	3.003	3.003	0.000	100	114936	5.00	4.97	
27 3-Chloro-1-propene	41	3.167	3.167	0.000	92	85267	5.00	5.06	
28 Methyl acetate	43	3.210	3.210	0.000	99	235134	25.0	26.3	
30 Methylene Chloride	84	3.301	3.301	0.000	98	49706	5.00	5.14	
31 2-Methyl-2-propanol	59	3.459	3.459	0.000	98	60819	50.0	50.2	
32 Methyl tert-butyl ether	73	3.538	3.538	0.000	97	132297	5.00	5.09	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	83	38560	5.00	5.07	
34 Acrylonitrile	53	3.569	3.569	0.000	99	250301	50.0	53.3	
35 Hexane	57	3.757	3.757	0.000	93	69710	5.00	4.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	80926	5.00	5.03	
39 Vinyl acetate	43	4.007	4.007	0.000	97	231595	10.0	10.6	
42 2,2-Dichloropropane	77	4.475	4.475	0.000	91	34211	5.00	4.57	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	84	46359	5.00	5.15	
44 2-Butanone (MEK)	43	4.536	4.536	0.000	99	137100	25.0	25.9	
47 Chlorobromomethane	128	4.737	4.737	0.000	91	21112	5.00	5.39	
49 Tetrahydrofuran	42	4.773	4.773	0.000	92	39455	10.0	10.3	
50 Chloroform	83	4.816	4.816	0.000	95	65462	5.00	4.84	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	50002	5.00	5.07	
52 Cyclohexane	56	4.974	4.974	0.000	86	80967	5.00	5.07	
53 Carbon tetrachloride	117	5.096	5.096	0.000	82	38952	5.00	4.70	
54 1,1-Dichloropropene	75	5.090	5.090	0.000	91	50607	5.00	5.03	
56 Isobutyl alcohol	43	5.284	5.284	0.000	59	70288	125.0	129.4	
55 Benzene	78	5.297	5.297	0.000	96	160508	5.00	5.13	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	61784	5.00	5.04	
59 n-Heptane	43	5.503	5.503	0.000	94	74934	5.00	5.37	
60 Trichloroethene	95	5.905	5.905	0.000	96	35719	5.00	4.88	
62 Methylcyclohexane	83	6.045	6.045	0.000	97	65284	5.00	5.07	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	94	44016	5.00	5.14	
64 Dibromomethane	93	6.264	6.264	0.000	96	22337	5.00	4.81	
66 1,4-Dioxane	88	6.282	6.282	0.000	65	8528	100.0	100.9	
67 Dichlorobromomethane	83	6.416	6.416	0.000	98	50713	5.00	5.21	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	89	24451	5.00	4.78	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	92	63611	5.00	5.04	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	96	106987	25.0	25.8	
73 Toluene	92	7.146	7.146	0.000	98	95921	5.00	5.11	
75 trans-1,3-Dichloropropene	75	7.395	7.395	0.000	94	56331	5.00	5.09	
77 Ethyl methacrylate	69	7.462	7.462	0.000	94	46565	5.00	4.93	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	27091	5.00	5.13	
79 Tetrachloroethene	166	7.687	7.687	0.000	97	35101	5.00	5.18	
80 1,3-Dichloropropane	76	7.754	7.754	0.000	98	57754	5.00	5.11	
82 2-Hexanone	43	7.821	7.821	0.000	97	166269	25.0	26.7	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	33917	5.00	5.13	
84 Ethylene Dibromide	107	8.101	8.101	0.000	96	31875	5.00	4.88	
85 Chlorobenzene	112	8.588	8.588	0.000	94	95747	5.00	4.99	
88 Ethylbenzene	91	8.685	8.685	0.000	99	178692	5.00	5.01	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	93	34121	5.00	5.17	
90 m-Xylene & p-Xylene	106	8.807	8.807	0.000	0	78462	5.00	5.04	
91 o-Xylene	106	9.239	9.239	0.000	95	73971	5.00	5.17	
92 Styrene	104	9.257	9.257	0.000	93	107782	5.00	5.00	
93 Bromoform	173	9.494	9.494	0.000	96	18628	5.00	4.71	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	165224	5.00	5.13	
97 Bromobenzene	156	9.957	9.957	0.000	97	35856	5.00	4.84	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	93	44830	5.00	5.05	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	85	13313	5.00	5.01	
101 trans-1,4-Dichloro-2-buten	53	10.042	10.042	0.000	72	17631	5.00	5.07	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	202317	5.00	5.31	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	37331	5.00	5.01	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	143103	5.00	5.17	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	145288	5.00	5.14	
106 tert-Butylbenzene	134	10.535	10.535	0.000	93	31837	5.00	5.57	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	98	147328	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.741	10.741	0.000	95	179837	5.00	5.20	
110 1,3-Dichlorobenzene	146	10.875	10.875	0.000	95	76253	5.00	5.17	
111 4-Isopropyltoluene	119	10.881	10.881	0.000	97	148690	5.00	5.16	
113 1,4-Dichlorobenzene	146	10.954	10.954	0.000	93	75739	5.00	5.15	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	140234	5.00	5.18	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	71238	5.00	5.06	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	83	8837	5.00	5.18	
119 1,2,4-Trichlorobenzene	180	12.712	12.712	0.000	94	50410	5.00	5.28	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	93	27106	5.00	5.56	
121 Naphthalene	128	12.925	12.925	0.000	97	138780	5.00	5.41	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	44018	5.00	5.15	
S 125 Total BTEX	1				0			25.5	
S 126 Xylenes, Total	1				0			10.2	
S 123 1,3-Dichloropropene, Total	1				0			10.1	
S 124 1,2-Dichloroethene, Total	1				0			10.2	

Reagents:

8260 CORP mix_00074	Amount Added:	5.00	Units: uL	
GAS CORP mix_00155	Amount Added:	5.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

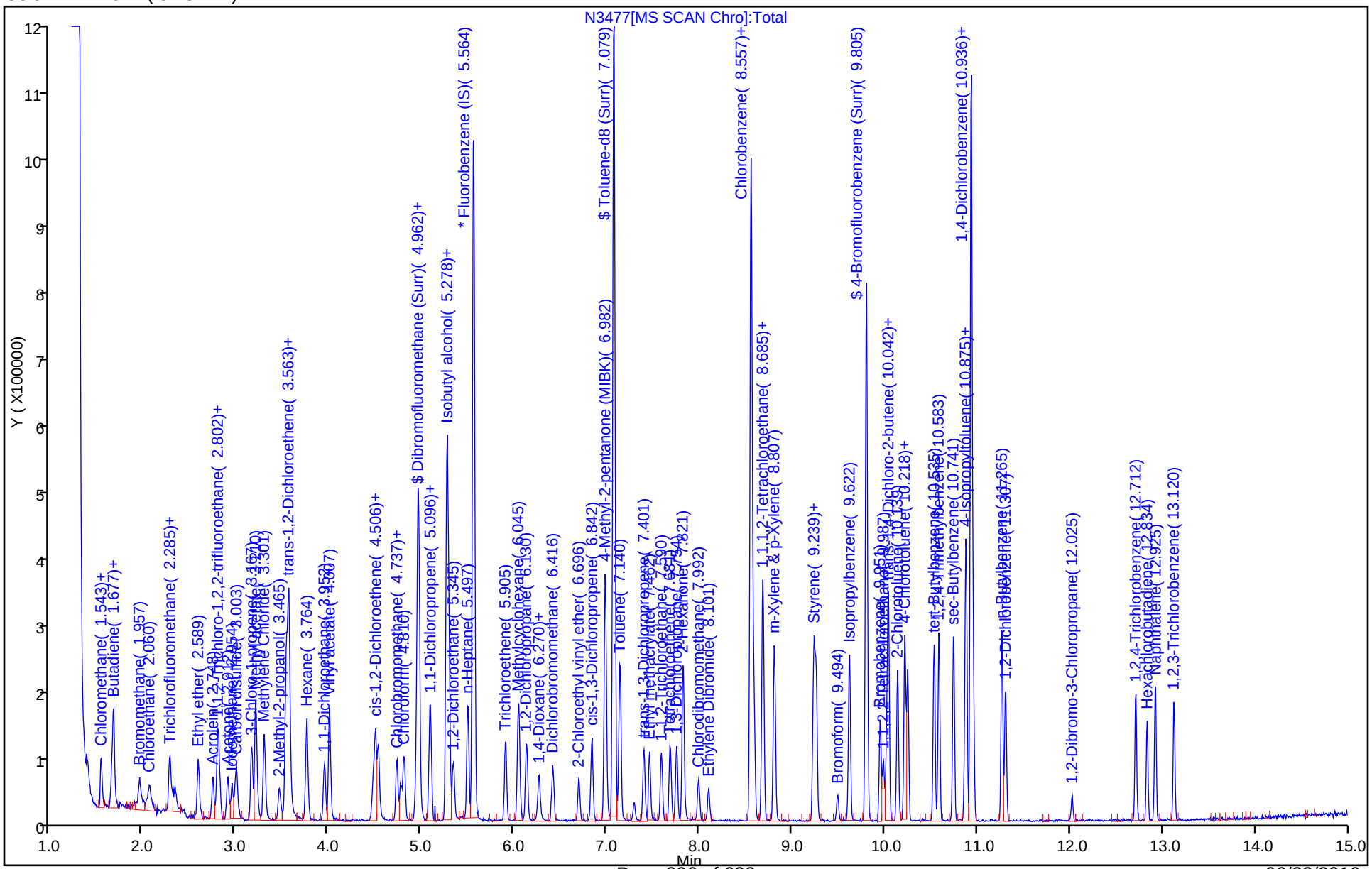
Report Date: 19-May-2016 14:05:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3477.D

Injection Date:	18-May-2016 18:25:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	50
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3478.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-May-2016 18:51:30 ALS Bottle#: 51 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0053328-008
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:05:59 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:31:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.565	5.558	0.007	98	172725	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.557	0.001	88	530612	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	249957	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	95	195037	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.273	5.272	0.000	0	255661	25.0	24.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	731423	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.001	85	198199	25.0	24.8	
11 Dichlorodifluoromethane	85	1.391	1.397	-0.006	99	60939	10.0	8.48	
13 Chloromethane	50	1.543	1.537	0.006	99	120738	10.0	9.16	
14 Vinyl chloride	62	1.659	1.659	0.000	97	88856	10.0	8.86	
144 Butadiene	54	1.677	1.677	0.000	86	94486	10.0	8.49	
15 Bromomethane	94	1.957	1.957	0.000	89	41680	10.0	8.65	
16 Chloroethane	64	2.060	2.060	0.000	100	53054	10.0	9.48	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	97	114711	10.0	9.18	
18 Trichlorofluoromethane	101	2.292	2.310	-0.018	53	73394	10.0	8.47	
19 Ethyl ether	59	2.590	2.589	0.001	96	101723	10.0	10.1	
20 Acrolein	56	2.748	2.748	0.000	100	111202	50.0	49.6	
22 1,1-Dichloroethene	96	2.803	2.802	0.001	93	74725	10.0	10.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.815	2.802	0.013	61	70288	10.0	11.6	
23 Acetone	43	2.906	2.912	-0.006	100	158334	50.0	44.7	
24 Iodomethane	142	2.955	2.954	0.001	99	109849	10.0	10.0	
25 Carbon disulfide	76	2.997	3.003	-0.006	99	253095	10.0	10.8	
27 3-Chloro-1-propene	41	3.168	3.167	0.001	91	180519	10.0	10.5	
28 Methyl acetate	43	3.210	3.210	0.000	99	441886	50.0	48.6	
30 Methylene Chloride	84	3.301	3.301	0.000	97	95842	10.0	10.7	
31 2-Methyl-2-propanol	59	3.466	3.459	0.007	99	114689	100.0	93.3	M
32 Methyl tert-butyl ether	73	3.539	3.538	0.001	97	266232	10.0	10.1	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.001	94	83964	10.0	10.9	
34 Acrylonitrile	53	3.569	3.569	0.000	100	468319	100.0	98.2	
35 Hexane	57	3.758	3.757	0.001	88	158534	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	97	168963	10.0	10.3	
39 Vinyl acetate	43	4.007	4.007	0.000	97	437446	20.0	19.8	
42 2,2-Dichloropropane	77	4.482	4.475	0.007	90	79588	10.0	10.5	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	86	92098	10.0	10.1	
44 2-Butanone (MEK)	43	4.530	4.536	-0.006	98	252355	50.0	47.0	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	40873	10.0	10.3	
49 Tetrahydrofuran	42	4.768	4.773	-0.005	95	74382	20.0	19.2	
50 Chloroform	83	4.810	4.816	-0.006	94	140673	10.0	10.2	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	111236	10.0	11.1	
52 Cyclohexane	56	4.968	4.974	-0.006	78	174496	10.0	10.8	
53 Carbon tetrachloride	117	5.090	5.096	-0.006	97	92650	10.0	11.0	
54 1,1-Dichloropropene	75	5.096	5.090	0.006	92	108290	10.0	10.6	
56 Isobutyl alcohol	43	5.279	5.284	-0.005	95	123586	250.0	224.1	
55 Benzene	78	5.297	5.297	0.000	98	329620	10.0	10.4	
57 1,2-Dichloroethane	62	5.346	5.345	0.001	97	119670	10.0	9.62	
59 n-Heptane	43	5.498	5.503	-0.005	95	148156	10.0	10.5	
60 Trichloroethene	95	5.905	5.905	0.000	99	79394	10.0	10.7	
62 Methylcyclohexane	83	6.051	6.045	0.006	96	140462	10.0	10.7	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	95	87423	10.0	10.1	
64 Dibromomethane	93	6.264	6.264	0.000	95	47413	10.0	10.1	
66 1,4-Dioxane	88	6.288	6.282	0.006	83	14074	200.0	170.1	
67 Dichlorobromomethane	83	6.422	6.416	0.006	98	97771	10.0	9.89	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	90	50603	10.0	9.73	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	94	128435	10.0	10.0	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	201302	50.0	49.6	
73 Toluene	92	7.140	7.146	-0.006	98	191519	10.0	10.4	
75 trans-1,3-Dichloropropene	75	7.396	7.395	0.001	96	108079	10.0	9.98	
77 Ethyl methacrylate	69	7.463	7.462	0.001	94	90269	10.0	9.75	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	92	54262	10.0	10.5	
79 Tetrachloroethene	166	7.688	7.687	0.001	98	69009	10.0	10.4	
80 1,3-Dichloropropane	76	7.755	7.754	0.001	96	108504	10.0	9.81	
82 2-Hexanone	43	7.822	7.821	0.001	96	295842	50.0	48.5	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	62545	10.0	9.65	
84 Ethylene Dibromide	107	8.101	8.101	0.000	96	65382	10.0	10.2	
85 Chlorobenzene	112	8.588	8.588	0.000	93	190584	10.0	10.1	
88 Ethylbenzene	91	8.685	8.685	0.000	99	352272	10.0	10.1	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.679	0.006	91	65130	10.0	10.1	
90 m-Xylene & p-Xylene	106	8.807	8.807	0.000	0	142839	10.0	10.3	
91 o-Xylene	106	9.233	9.239	-0.006	97	139105	10.0	9.93	
92 Styrene	104	9.257	9.257	0.000	95	218542	10.0	10.4	
93 Bromoform	173	9.488	9.494	-0.006	95	37241	10.0	9.61	
95 Isopropylbenzene	105	9.616	9.622	-0.006	96	342687	10.0	10.7	
97 Bromobenzene	156	9.951	9.957	-0.006	98	80118	10.0	10.9	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	91	90406	10.0	10.2	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	87	26109	10.0	9.89	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.042	-0.006	69	36823	10.0	10.6	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	400788	10.0	10.6	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	76661	10.0	10.4	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	94	290968	10.0	10.6	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	282710	10.0	10.1	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	56388	10.0	9.93	
108 1,2,4-Trimethylbenzene	105	10.590	10.583	0.007	97	292385	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.741	0.001	95	365990	10.0	10.7	
110 1,3-Dichlorobenzene	146	10.869	10.875	-0.006	97	150139	10.0	10.2	
111 4-Isopropyltoluene	119	10.882	10.881	0.001	97	311164	10.0	10.9	
113 1,4-Dichlorobenzene	146	10.955	10.954	0.001	95	150299	10.0	10.3	
115 n-Butylbenzene	91	11.265	11.265	0.000	99	288248	10.0	10.7	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	96	142339	10.0	10.2	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.019	0.006	79	17986	10.0	10.6	
119 1,2,4-Trichlorobenzene	180	12.713	12.712	0.001	93	94365	10.0	9.94	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	96	48279	10.0	9.97	
121 Naphthalene	128	12.920	12.925	-0.005	97	261345	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	96	88862	10.0	10.5	
S 125 Total BTEX	1				0			51.1	
S 126 Xylenes, Total	1				0			20.3	
S 123 1,3-Dichloropropene, Total	1				0			20.0	
S 124 1,2-Dichloroethene, Total	1				0			20.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added:	5.00	Units: uL	
GAS CORP mix_00155	Amount Added:	5.00	Units: uL	
N_8260_Surr_00185	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added:	1.00	Units: uL	Run Reagent

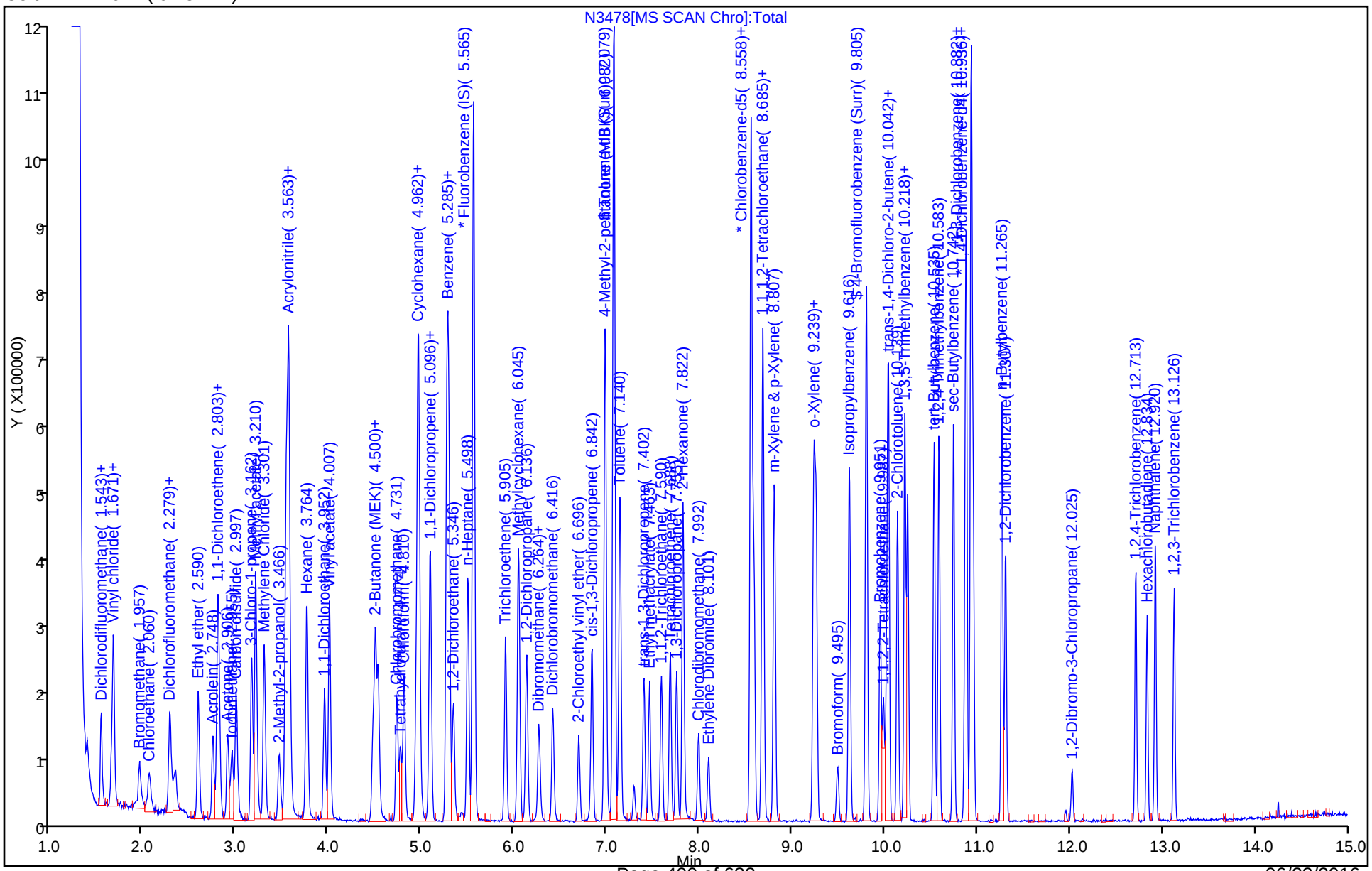
Report Date: 19-May-2016 14:06:01 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3478.D

Injection Date:	18-May-2016 18:51:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 4			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	51
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

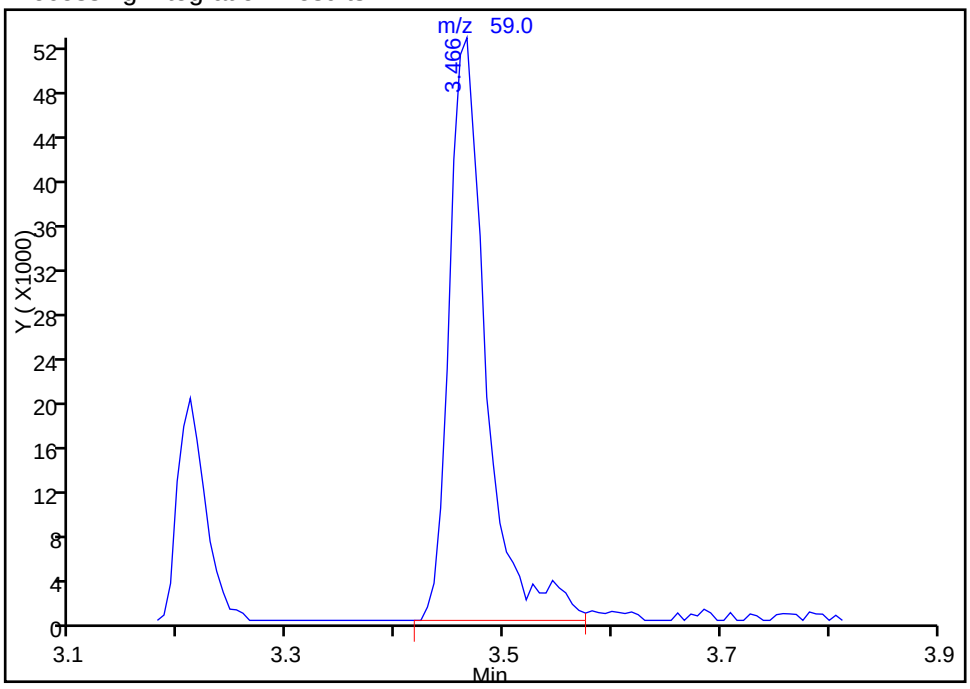
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3478.D
Injection Date: 18-May-2016 18:51:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: SO ALS Bottle#: 51 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

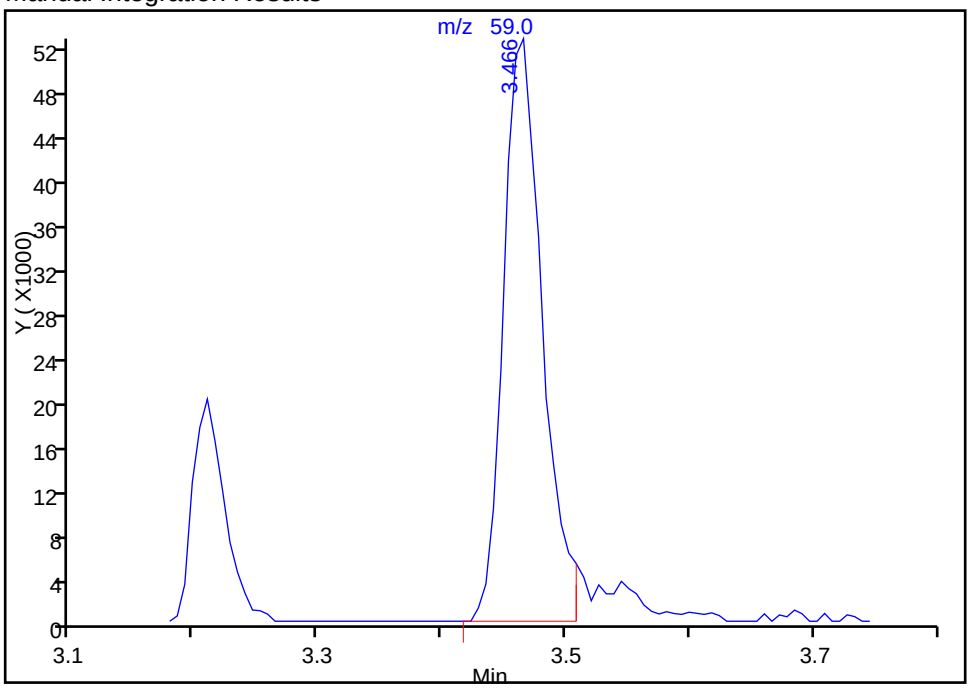
Processing Integration Results

RT: 3.47
Area: 124180
Amount: 101.8694
Amount Units: ug/L



Manual Integration Results

RT: 3.47
Area: 114689
Amount: 93.309320
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 09:32:03
Audit Action: Split an Integrated Peak Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3479.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 18-May-2016 19:18:30 ALS Bottle#: 52 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0053328-009
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:03 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 08:42:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	172739	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	89	556081	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	261733	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	65	201875	25.0	25.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	270314	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.073	7.073	0.000	94	782507	25.0	25.4	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	216343	25.0	25.8	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	99	199473	25.0	27.8	
13 Chloromethane	50	1.543	1.543	0.000	99	334610	25.0	25.4	
14 Vinyl chloride	62	1.659	1.659	0.000	98	269614	25.0	26.9	
144 Butadiene	54	1.677	1.677	0.000	88	313913	25.0	28.2	
15 Bromomethane	94	1.951	1.951	0.000	89	113172	25.0	23.5	
16 Chloroethane	64	2.060	2.060	0.000	99	141218	25.0	25.2	
17 Dichlorofluoromethane	67	2.279	2.279	0.000	98	313961	25.0	25.1	
18 Trichlorofluoromethane	101	2.285	2.285	0.000	56	245347	25.0	28.3	
19 Ethyl ether	59	2.590	2.590	0.000	96	263113	25.0	26.0	
20 Acrolein	56	2.748	2.748	0.000	99	283041	125.0	126.3	
22 1,1-Dichloroethene	96	2.796	2.796	0.000	96	190845	25.0	26.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.809	2.809	0.000	70	177112	25.0	29.1	
23 Acetone	43	2.900	2.900	0.000	100	430600	125.0	121.7	
24 Iodomethane	142	2.955	2.955	0.000	98	285549	25.0	26.0	
25 Carbon disulfide	76	2.997	2.997	0.000	100	625549	25.0	26.6	
27 3-Chloro-1-propene	41	3.168	3.168	0.000	93	434782	25.0	25.4	
28 Methyl acetate	43	3.204	3.204	0.000	99	1150005	125.0	126.5	
30 Methylene Chloride	84	3.301	3.301	0.000	99	230932	25.0	27.4	
31 2-Methyl-2-propanol	59	3.460	3.460	0.000	99	320150	250.0	260.4	
32 Methyl tert-butyl ether	73	3.533	3.533	0.000	97	662823	25.0	25.1	
33 trans-1,2-Dichloroethene	96	3.539	3.539	0.000	93	202457	25.0	26.2	
34 Acrylonitrile	53	3.563	3.563	0.000	99	1245207	250.0	261.1	
35 Hexane	57	3.758	3.758	0.000	91	396689	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	429489	25.0	26.3	
39 Vinyl acetate	43	4.001	4.001	0.000	97	1149276	50.0	52.0	
42 2,2-Dichloropropane	77	4.476	4.476	0.000	93	201176	25.0	26.5	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	85	223596	25.0	24.5	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	99	676758	125.0	126.0	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	103112	25.0	25.9	
49 Tetrahydrofuran	42	4.768	4.768	0.000	93	193439	50.0	50.0	
50 Chloroform	83	4.810	4.810	0.000	96	350405	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	277281	25.0	27.7	
52 Cyclohexane	56	4.968	4.968	0.000	92	455944	25.0	28.1	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	95	274071	25.0	26.8	
53 Carbon tetrachloride	117	5.090	5.090	0.000	97	226083	25.0	26.9	
56 Isobutyl alcohol	43	5.279	5.279	0.000	97	381801	625.0	692.2	
55 Benzene	78	5.297	5.297	0.000	98	816731	25.0	25.7	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	304554	25.0	24.5	
59 n-Heptane	43	5.498	5.498	0.000	95	386469	25.0	27.3	
60 Trichloroethene	95	5.905	5.905	0.000	97	196581	25.0	26.4	
62 Methylcyclohexane	83	6.045	6.045	0.000	96	361650	25.0	27.7	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	221240	25.0	25.5	
64 Dibromomethane	93	6.264	6.264	0.000	95	123823	25.0	26.3	
66 1,4-Dioxane	88	6.282	6.282	0.000	96	50671	500.0	584.2	M
67 Dichlorobromomethane	83	6.416	6.416	0.000	98	259746	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	91	140474	25.0	27.0	
71 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	93	327186	25.0	25.5	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	96	543666	125.0	127.8	
73 Toluene	92	7.140	7.140	0.000	98	490235	25.0	25.4	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	297830	25.0	26.2	
77 Ethyl methacrylate	69	7.463	7.463	0.000	94	259609	25.0	26.8	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	143439	25.0	26.5	
79 Tetrachloroethene	166	7.688	7.688	0.000	97	192058	25.0	27.6	
80 1,3-Dichloropropane	76	7.755	7.755	0.000	96	294909	25.0	25.4	
82 2-Hexanone	43	7.821	7.821	0.000	96	832668	125.0	130.2	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	181394	25.0	26.7	
84 Ethylene Dibromide	107	8.101	8.101	0.000	98	178570	25.0	26.7	
85 Chlorobenzene	112	8.588	8.588	0.000	92	509824	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	93	175406	25.0	25.9	
88 Ethylbenzene	91	8.685	8.685	0.000	99	883654	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	364479	25.0	26.8	
91 o-Xylene	106	9.233	9.233	0.000	98	355518	25.0	24.2	
92 Styrene	104	9.263	9.263	0.000	96	575527	25.0	26.0	
93 Bromoform	173	9.494	9.494	0.000	95	104607	25.0	25.8	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	879077	25.0	26.2	
97 Bromobenzene	156	9.951	9.951	0.000	98	196851	25.0	25.5	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	94	230806	25.0	25.0	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	88	73688	25.0	26.7	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	88	93525	25.0	25.8	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	1038407	25.0	26.2	
102 2-Chlorotoluene	126	10.139	10.139	0.000	96	198811	25.0	25.6	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	93	748325	25.0	26.0	
105 4-Chlorotoluene	91	10.249	10.249	0.000	99	738415	25.0	25.1	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	151767	25.0	25.5	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	97	754640	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.742	0.000	95	947391	25.0	26.3	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	96	391005	25.0	25.5	
111 4-Isopropyltoluene	119	10.882	10.882	0.000	97	785445	25.0	26.2	
113 1,4-Dichlorobenzene	146	10.955	10.955	0.000	92	382903	25.0	25.0	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	746071	25.0	26.5	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	361572	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	84	44995	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	93	250501	25.0	25.2	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	97	129351	25.0	25.5	
121 Naphthalene	128	12.920	12.920	0.000	97	698461	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	233141	25.0	26.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00074	Amount Added: 12.50	Units: uL	
GAS CORP mix_00155	Amount Added: 12.50	Units: uL	
N_8260_Surr_00185	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added: 1.00	Units: uL	Run Reagent

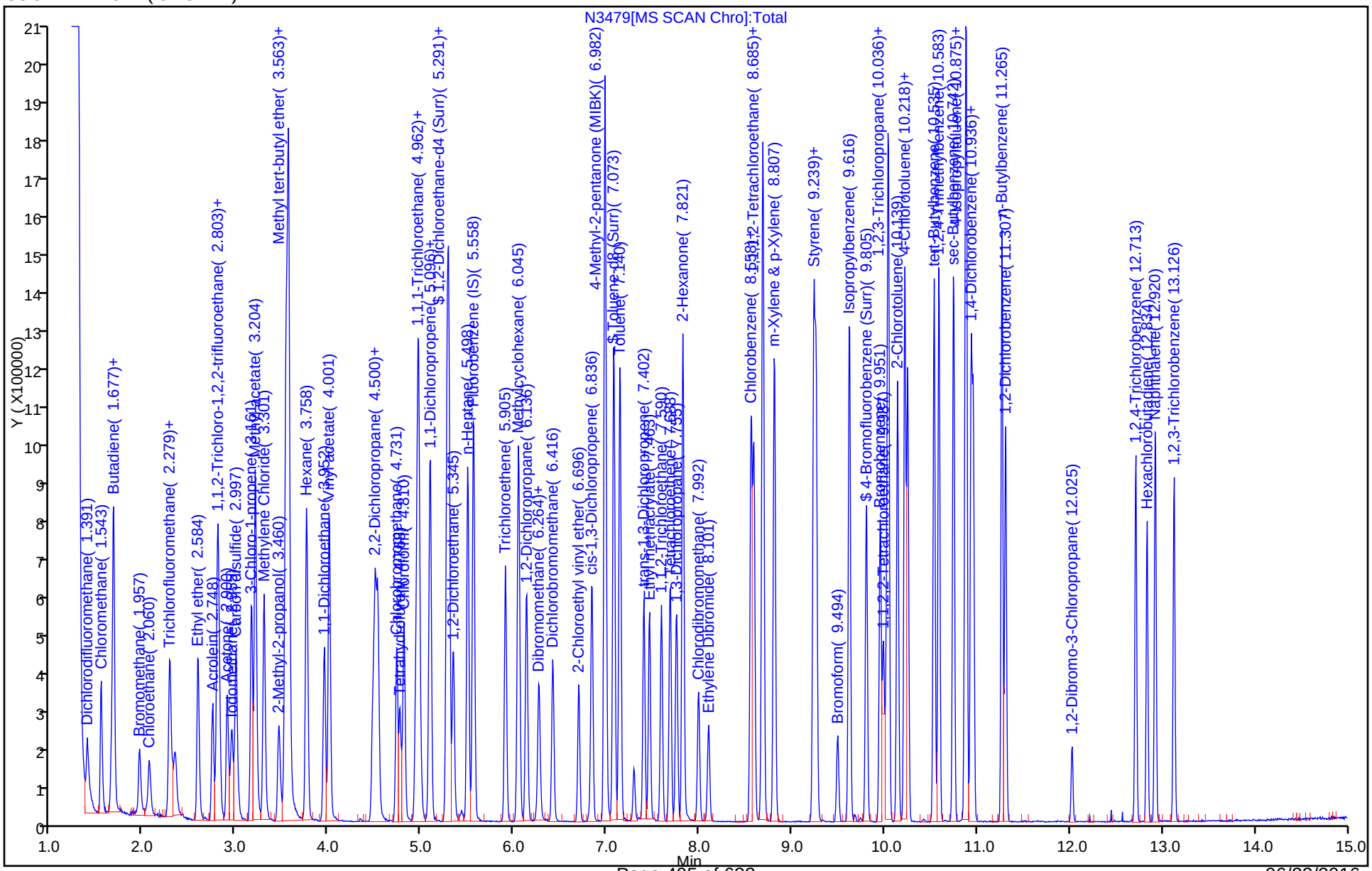
Report Date: 19-May-2016 14:06:05 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3479.D

Injection Date:	18-May-2016 19:18:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	52
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

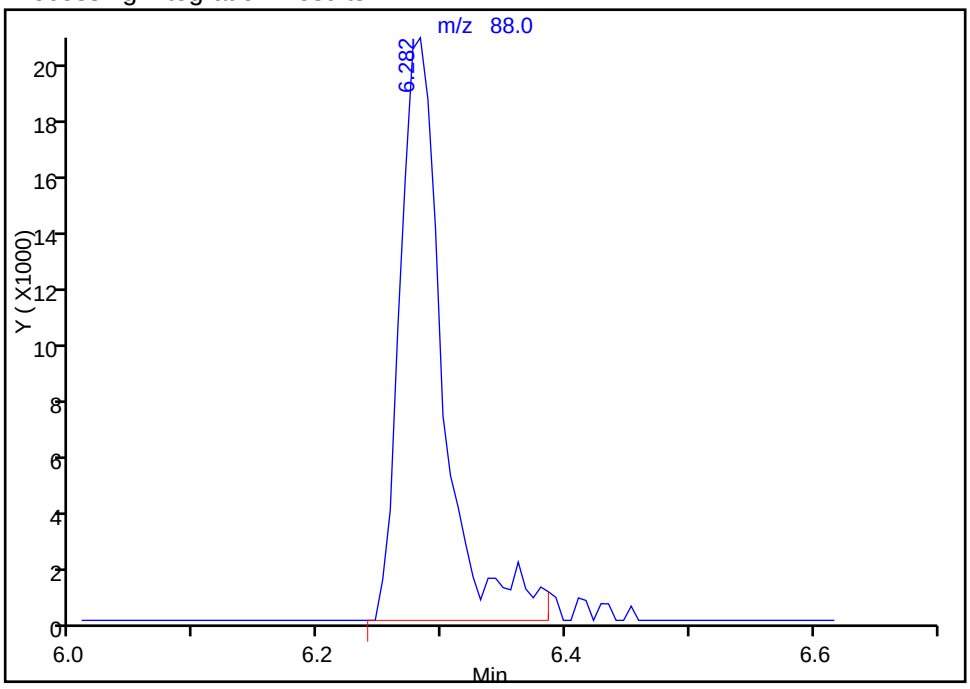
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3479.D
Injection Date: 18-May-2016 19:18:30 Instrument ID: HP5973N
Lims ID: ICIS 5
Client ID:
Operator ID: SO ALS Bottle#: 52 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

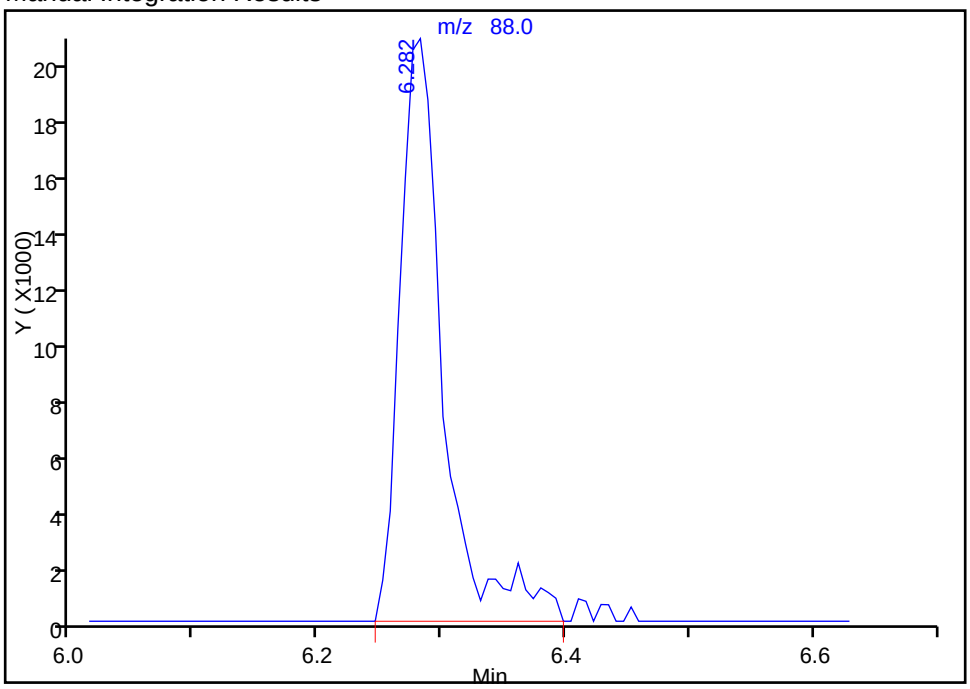
Processing Integration Results

RT: 6.28
Area: 50373
Amount: 588.6736
Amount Units: ug/L



Manual Integration Results

RT: 6.28
Area: 50671
Amount: 584.1997
Amount Units: ug/L



Reviewer: o'briens, 19-May-2016 08:42:58
Audit Action: Manually Integrated Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3480.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-May-2016 19:45:30 ALS Bottle#: 53 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0053328-010
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:08 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:33:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	176167	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.558	-0.001	88	568046	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	257164	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	95	205623	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	259796	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	775476	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	209553	25.0	24.5	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	99	405771	50.0	55.4	
13 Chloromethane	50	1.543	1.543	0.000	100	633926	50.0	47.1	
14 Vinyl chloride	62	1.665	1.659	0.006	98	516287	50.0	50.5	
144 Butadiene	54	1.677	1.677	0.000	87	595476	50.0	52.4	
15 Bromomethane	94	1.957	1.951	0.006	91	238720	50.0	48.6	
16 Chloroethane	64	2.066	2.060	0.006	98	293631	50.0	51.5	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	98	627719	50.0	49.2	
18 Trichlorofluoromethane	101	2.291	2.285	0.006	61	487136	50.0	55.1	
19 Ethyl ether	59	2.589	2.590	-0.001	96	501306	50.0	48.6	
20 Acrolein	56	2.748	2.748	0.000	100	535020	250.0	234.1	
22 1,1-Dichloroethene	96	2.802	2.796	0.006	95	369211	50.0	51.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.808	2.809	-0.001	94	328983	50.0	53.1	
23 Acetone	43	2.900	2.900	0.000	100	788955	250.0	218.6	
24 Iodomethane	142	2.954	2.955	-0.001	99	553879	50.0	49.5	
25 Carbon disulfide	76	3.003	2.997	0.006	100	1199426	50.0	50.1	
27 3-Chloro-1-propene	41	3.167	3.168	-0.001	92	826999	50.0	47.4	
28 Methyl acetate	43	3.204	3.204	0.000	99	2181028	250.0	235.3	
30 Methylene Chloride	84	3.301	3.301	0.000	98	422656	50.0	50.0	
31 2-Methyl-2-propanol	59	3.459	3.460	-0.001	100	594827	500.0	474.5	
32 Methyl tert-butyl ether	73	3.532	3.533	-0.001	98	1268639	50.0	47.1	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	97	402002	50.0	51.0	
34 Acrylonitrile	53	3.563	3.563	0.000	99	2286797	500.0	470.1	
35 Hexane	57	3.764	3.758	0.006	91	749929	50.0	51.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	97	811053	50.0	48.7	
39 Vinyl acetate	43	4.007	4.001	0.006	97	2160607	100.0	95.8	
42 2,2-Dichloropropane	77	4.481	4.476	0.005	88	377872	50.0	48.7	
43 cis-1,2-Dichloroethene	96	4.506	4.500	0.006	85	442440	50.0	47.5	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	99	1264007	250.0	230.8	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	204733	50.0	50.4	
49 Tetrahydrofuran	42	4.767	4.768	-0.001	93	367749	100.0	93.1	
50 Chloroform	83	4.810	4.810	0.000	94	683075	50.0	48.7	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	530942	50.0	52.0	
52 Cyclohexane	56	4.968	4.968	0.000	93	853446	50.0	51.6	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	95	517482	50.0	49.6	
53 Carbon tetrachloride	117	5.090	5.090	0.000	96	445199	50.0	51.9	
56 Isobutyl alcohol	43	5.278	5.279	-0.001	96	665844	1250.0	1183.7	
55 Benzene	78	5.297	5.297	0.000	98	1554084	50.0	48.0	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	590094	50.0	46.5	
59 n-Heptane	43	5.497	5.498	-0.001	96	742810	50.0	51.4	
60 Trichloroethene	95	5.905	5.905	0.000	97	387096	50.0	51.0	
62 Methylcyclohexane	83	6.051	6.045	0.006	96	684593	50.0	51.4	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	441394	50.0	49.8	
64 Dibromomethane	93	6.264	6.264	0.000	96	239823	50.0	49.9	
66 1,4-Dioxane	88	6.276	6.282	-0.006	56	76424	1000.0	862.6	
67 Dichlorobromomethane	83	6.416	6.416	0.000	99	508865	50.0	50.4	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	91	288168	50.0	54.3	
71 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	93	645319	50.0	49.4	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	96	1038390	250.0	239.0	
73 Toluene	92	7.140	7.140	0.000	99	964129	50.0	49.0	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	579636	50.0	50.0	
77 Ethyl methacrylate	69	7.462	7.463	-0.001	93	501755	50.0	50.6	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	92	281082	50.0	50.8	
79 Tetrachloroethene	166	7.687	7.688	-0.001	95	357647	50.0	50.3	
80 1,3-Dichloropropane	76	7.754	7.755	-0.001	97	587777	50.0	49.6	
82 2-Hexanone	43	7.821	7.821	0.000	95	1576395	250.0	241.4	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	366042	50.0	52.8	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	345893	50.0	50.5	
85 Chlorobenzene	112	8.588	8.588	0.000	92	980158	50.0	48.7	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	94	348537	50.0	50.4	
88 Ethylbenzene	91	8.685	8.685	0.000	99	1686201	50.0	45.1	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	698469	50.0	51.3	
91 o-Xylene	106	9.239	9.233	0.006	96	691882	50.0	46.1	
92 Styrene	104	9.263	9.263	0.000	95	1115426	50.0	49.4	
93 Bromoform	173	9.494	9.494	0.000	96	214531	50.0	51.7	
95 Isopropylbenzene	105	9.622	9.622	0.000	97	1652977	50.0	50.2	
97 Bromobenzene	156	9.951	9.951	0.000	98	390401	50.0	51.6	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	92	449442	50.0	49.5	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	88	137921	50.0	50.8	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	81	183003	50.0	51.4	
100 N-Propylbenzene	91	10.042	10.042	0.000	98	1950737	50.0	50.1	
102 2-Chlorotoluene	126	10.139	10.139	0.000	96	383931	50.0	50.4	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	94	1391547	50.0	49.2	
105 4-Chlorotoluene	91	10.249	10.249	0.000	99	1387937	50.0	48.1	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	290141	50.0	49.6	
108 1,2,4-Trimethylbenzene	105	10.589	10.583	0.006	98	1418160	50.0	48.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.741	10.742	-0.001	95	1731587	50.0	49.0	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	97	722358	50.0	47.9	
111 4-Isopropyltoluene	119	10.881	10.882	-0.001	96	1439369	50.0	48.8	
113 1,4-Dichlorobenzene	146	10.960	10.955	0.005	93	735249	50.0	48.9	
115 n-Butylbenzene	91	11.265	11.265	0.000	97	1343469	50.0	48.5	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	686685	50.0	47.7	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	78	83298	50.0	47.8	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	95	452051	50.0	46.3	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	96	236387	50.0	47.4	
121 Naphthalene	128	12.919	12.920	-0.001	97	1241685	50.0	47.3	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	408746	50.0	46.8	
S 125 Total BTEX	1				0			239.4	
S 126 Xylenes, Total	1				0			97.4	
S 123 1,3-Dichloropropene, Total	1				0			99.4	
S 124 1,2-Dichloroethene, Total	1				0			98.5	

Reagents:

8260 CORP mix_00074	Amount Added: 25.00	Units: uL		
GAS CORP mix_00155	Amount Added: 25.00	Units: uL		
N_8260_Surr_00185	Amount Added: 1.00	Units: uL	Run Reagent	
N 8260 IS_00023	Amount Added: 1.00	Units: uL	Run Reagent	

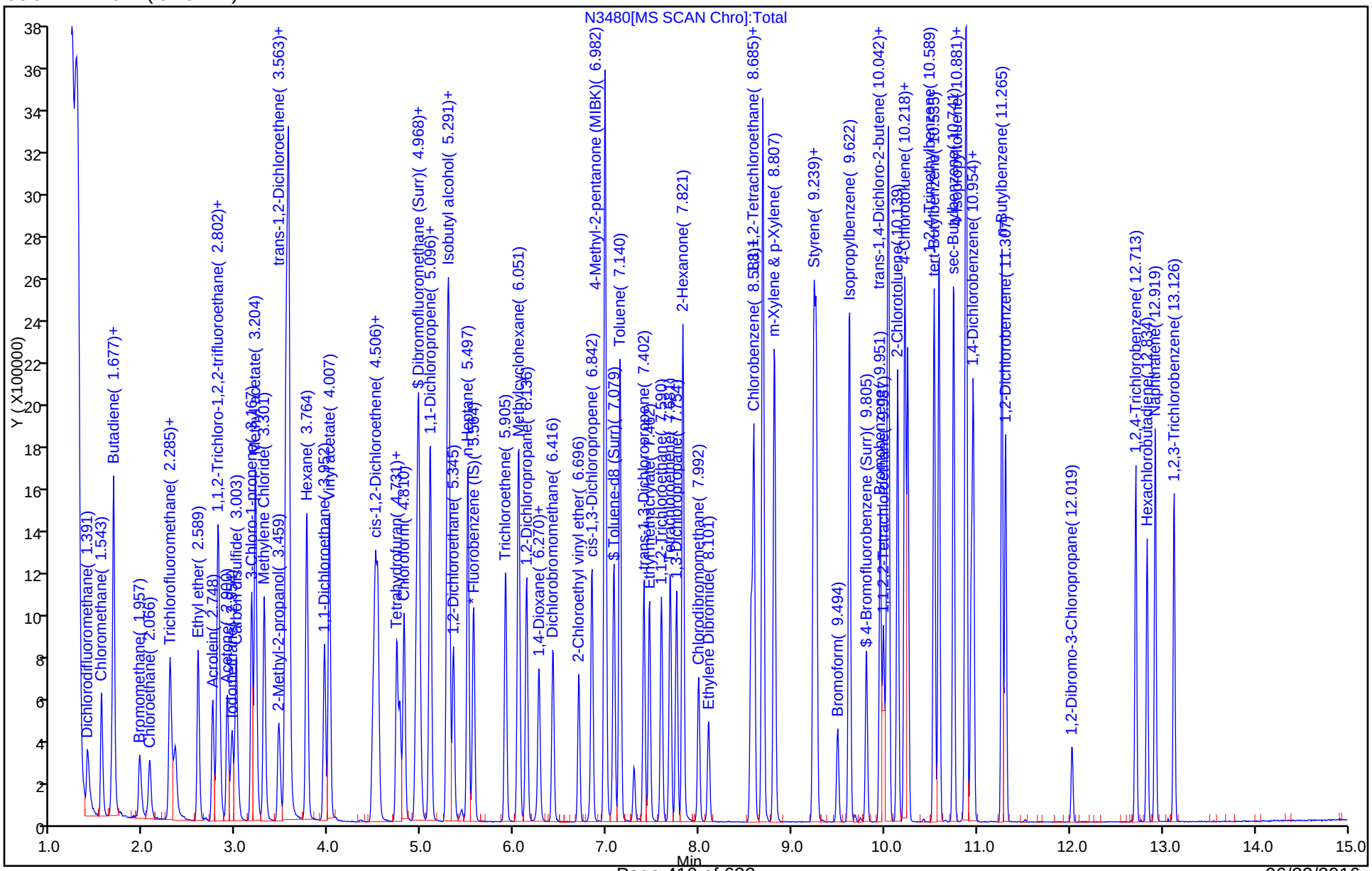
Report Date: 19-May-2016 14:06:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3480.D

Injection Date:	18-May-2016 19:45:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	53
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3481.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-May-2016 20:11:30 ALS Bottle#: 54 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0053328-011
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-May-2016 14:06:12 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 19-May-2016 09:34:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	178184	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	91	552575	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	256649	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	65	205155	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	261995	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	7.079	7.073	0.006	94	761568	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	86	210163	25.0	25.2	
11 Dichlorodifluoromethane	85	1.397	1.391	0.006	100	750019	100.0	101.2	
13 Chloromethane	50	1.549	1.543	0.006	99	1223744	100.0	90.0	
14 Vinyl chloride	62	1.665	1.659	0.006	98	973791	100.0	94.1	
144 Butadiene	54	1.677	1.677	0.000	89	1060880	100.0	92.4	
15 Bromomethane	94	1.957	1.951	0.006	90	445207	100.0	89.6	
16 Chloroethane	64	2.066	2.060	0.006	99	557781	100.0	96.6	
17 Dichlorofluoromethane	67	2.285	2.279	0.006	99	1210170	100.0	93.9	
18 Trichlorofluoromethane	101	2.291	2.285	0.006	97	958993	100.0	107.3	
19 Ethyl ether	59	2.590	2.590	0.000	95	940692	100.0	90.1	
20 Acrolein	56	2.748	2.748	0.000	100	1046791	500.0	452.9	
22 1,1-Dichloroethene	96	2.802	2.796	0.006	95	658864	100.0	90.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.809	2.809	0.000	94	607206	100.0	96.8	
23 Acetone	43	2.900	2.900	0.000	100	1553245	500.0	425.4	
24 Iodomethane	142	2.955	2.955	0.000	99	1035712	100.0	91.4	
25 Carbon disulfide	76	3.003	2.997	0.006	100	2148952	100.0	88.7	
27 3-Chloro-1-propene	41	3.167	3.168	-0.001	92	1483457	100.0	84.0	
28 Methyl acetate	43	3.210	3.204	0.006	98	3997181	500.0	426.4	
30 Methylene Chloride	84	3.301	3.301	0.000	99	820399	100.0	97.0	
31 2-Methyl-2-propanol	59	3.460	3.460	0.000	100	1230748	1000.0	970.6	
32 Methyl tert-butyl ether	73	3.539	3.533	0.006	98	2449721	100.0	90.0	
33 trans-1,2-Dichloroethene	96	3.545	3.539	0.006	96	741874	100.0	93.1	
34 Acrylonitrile	53	3.569	3.563	0.006	99	4220230	1000.0	857.8	
35 Hexane	57	3.764	3.758	0.006	91	1323033	100.0	89.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	1511951	100.0	89.7	
39 Vinyl acetate	43	4.007	4.001	0.006	97	3874781	200.0	169.9	
42 2,2-Dichloropropane	77	4.475	4.476	-0.001	93	678538	100.0	86.5	
43 cis-1,2-Dichloroethene	96	4.506	4.500	0.006	84	820965	100.0	87.1	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	100	2354053	500.0	424.9	
47 Chlorobromomethane	128	4.737	4.737	0.000	92	383430	100.0	93.4	
49 Tetrahydrofuran	42	4.767	4.768	-0.001	92	716247	200.0	179.3	
50 Chloroform	83	4.816	4.810	0.006	96	1286248	100.0	90.7	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	983893	100.0	95.3	
52 Cyclohexane	56	4.968	4.968	0.000	92	1531660	100.0	91.6	
53 Carbon tetrachloride	117	5.090	5.090	0.000	99	815586	100.0	93.9	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	96	955639	100.0	90.6	
56 Isobutyl alcohol	43	5.278	5.279	-0.001	96	1307441	2500.0	2298.1	
55 Benzene	78	5.297	5.297	0.000	98	2841998	100.0	86.8	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	1128123	100.0	87.9	
59 n-Heptane	43	5.504	5.498	0.006	94	1280152	100.0	87.6	
60 Trichloroethene	95	5.905	5.905	0.000	97	726311	100.0	94.7	
62 Methylcyclohexane	83	6.051	6.045	0.006	96	1244570	100.0	92.3	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	96	830285	100.0	92.6	
64 Dibromomethane	93	6.264	6.264	0.000	98	452595	100.0	93.1	
66 1,4-Dioxane	88	6.276	6.282	-0.006	98	153632	2000.0	1782.5	
67 Dichlorobromomethane	83	6.416	6.416	0.000	99	980775	100.0	96.1	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	91	533099	100.0	99.4	
71 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	94	1194969	100.0	90.5	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	94	1932971	500.0	457.4	
73 Toluene	92	7.146	7.140	0.006	98	1753928	100.0	91.6	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	1070343	100.0	94.9	
77 Ethyl methacrylate	69	7.463	7.463	-0.001	93	946672	100.0	98.2	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	534694	100.0	99.3	
79 Tetrachloroethene	166	7.688	7.688	0.000	97	655405	100.0	94.8	
80 1,3-Dichloropropane	76	7.755	7.755	-0.001	96	1090622	100.0	94.7	
82 2-Hexanone	43	7.821	7.821	0.000	93	2815896	500.0	443.2	
83 Chlorodibromomethane	129	7.992	7.992	0.000	92	694028	100.0	102.9	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	650040	100.0	97.6	
85 Chlorobenzene	112	8.588	8.588	0.000	91	1782951	100.0	91.0	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	94	659422	100.0	98.1	
88 Ethylbenzene	91	8.685	8.685	0.000	98	2958394	100.0	81.3	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	1268735	100.0	96.7	
91 o-Xylene	106	9.239	9.233	0.006	96	1286100	100.0	88.2	
92 Styrene	104	9.263	9.263	0.000	95	2035288	100.0	92.7	
93 Bromoform	173	9.494	9.494	0.000	96	419086	100.0	103.9	
95 Isopropylbenzene	105	9.622	9.622	0.000	97	2947582	100.0	89.6	
97 Bromobenzene	156	9.957	9.951	0.006	98	730166	100.0	96.6	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	94	853757	100.0	94.3	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	88	262212	100.0	96.7	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	85	329192	100.0	92.7	
100 N-Propylbenzene	91	10.042	10.042	0.000	98	3390354	100.0	87.2	
102 2-Chlorotoluene	126	10.139	10.139	0.000	96	728365	100.0	95.8	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	96	2502978	100.0	88.7	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	2521820	100.0	87.5	
106 tert-Butylbenzene	134	10.535	10.535	0.000	93	547150	100.0	93.8	
108 1,2,4-Trimethylbenzene	105	10.589	10.583	0.006	98	2572158	100.0	87.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.748	10.742	0.006	95	3088027	100.0	87.5	
110 1,3-Dichlorobenzene	146	10.875	10.869	0.006	96	1369429	100.0	90.9	
111 4-Isopropyltoluene	119	10.881	10.882	-0.001	95	2597457	100.0	88.3	
113 1,4-Dichlorobenzene	146	10.961	10.955	0.006	94	1380949	100.0	92.1	
115 n-Butylbenzene	91	11.265	11.265	0.000	96	2462824	100.0	89.1	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	1328968	100.0	92.5	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.019	0.006	81	176017	100.0	101.1	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	94	899990	100.0	92.3	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	97	464150	100.0	93.3	
121 Naphthalene	128	12.919	12.920	-0.001	98	2467595	100.0	94.2	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	844883	100.0	96.9	
S 125 Total BTEX	1				0			444.5	
S 126 Xylenes, Total	1				0			184.9	
S 123 1,3-Dichloropropene, Total	1				0			185.4	
S 124 1,2-Dichloroethene, Total	1				0			180.2	

Reagents:

8260 CORP mix_00074	Amount Added: 50.00	Units: uL	
GAS CORP mix_00155	Amount Added: 50.00	Units: uL	
N_8260_Surr_00185	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00023	Amount Added: 1.00	Units: uL	Run Reagent

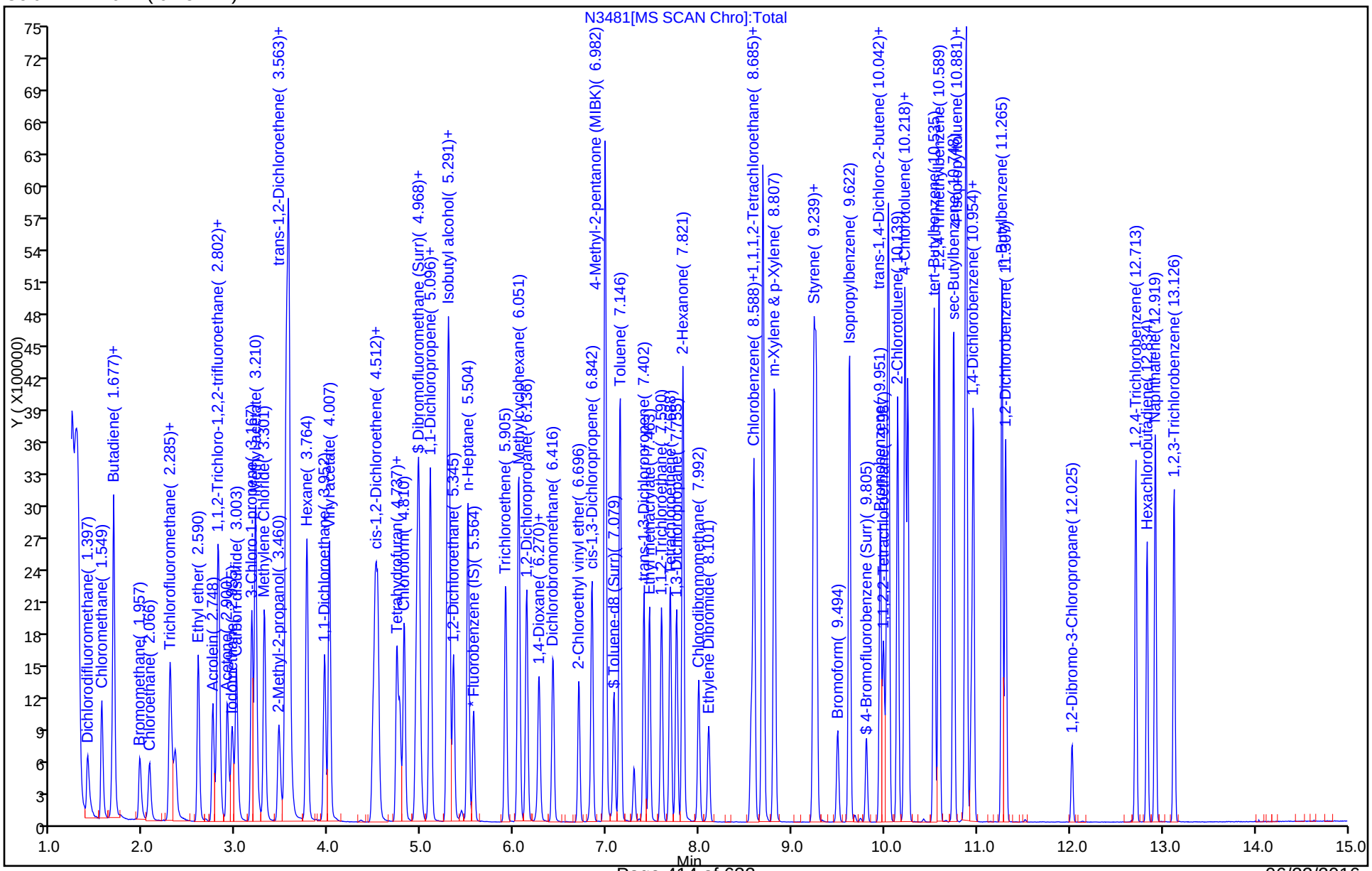
Report Date: 19-May-2016 14:06:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3481.D

Injection Date:	18-May-2016 20:11:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	54
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306748/3 Calibration Date: 06/15/2016 09:47

Instrument ID: HP5973C Calib Start Date: 05/25/2016 13:46

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/25/2016 16:43

Lab File ID: C5109.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.678	2.777	0.1000	25.9	25.0	3.7	50.0
Chloromethane	Ave	3.774	3.523	0.1000	23.3	25.0	-6.7	20.0
Vinyl chloride	Ave	3.004	2.865	0.1000	23.8	25.0	-4.6	20.0
Butadiene	Ave	3.040	2.739		22.5	25.0	-9.9	20.0
Bromomethane	Ave	1.907	1.974	0.1000	25.9	25.0	3.5	50.0
Chloroethane	Ave	1.709	1.887	0.1000	27.6	25.0	10.4	50.0
Dichlorofluoromethane	Ave	4.401	4.598		26.1	25.0	4.5	20.0
Trichlorofluoromethane	Ave	3.804	4.024	0.1000	26.4	25.0	5.8	20.0
Ethyl ether	Ave	1.961	2.111		26.9	25.0	7.6	20.0
Acrolein	Ave	0.3178	0.3772		148	125	18.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.088	2.287	0.1000	27.4	25.0	9.5	20.0
1,1-Dichloroethene	Ave	1.924	2.129	0.1000	27.7	25.0	10.7	20.0
Acetone	Ave	0.7799	0.8968	0.1000	144	125	15.0	50.0
Iodomethane	Ave	3.686	3.883		26.3	25.0	5.4	20.0
Carbon disulfide	Ave	7.022	8.858	0.1000	31.5	25.0	26.1*	20.0
Methyl acetate	Ave	1.809	1.933	0.1000	134	125	6.9	50.0
Allyl chloride	Ave	3.711	3.905		26.3	25.0	5.2	20.0
Methylene Chloride	Lin1		2.462	0.1000	28.6	25.0	14.3	20.0
2-Methyl-2-propanol	Ave	0.2474	0.2665		269	250	7.7	50.0
Methyl tert-butyl ether	Ave	5.596	5.881	0.1000	26.3	25.0	5.1	20.0
trans-1,2-Dichloroethene	Ave	2.172	2.369	0.1000	27.3	25.0	9.1	20.0
Acrylonitrile	Ave	0.8844	1.015		287	250	14.7	20.0
Hexane	Ave	3.059	3.660		29.9	25.0	19.7	20.0
Vinyl acetate	Ave	4.313	5.237		60.7	50.0	21.4*	20.0
1,1-Dichloroethane	Ave	4.301	4.534	0.2000	26.4	25.0	5.4	20.0
2-Butanone (MEK)	Ave	1.102	1.227	0.1000	139	125	11.4	20.0
2,2-Dichloropropane	Ave	2.800	2.906		25.9	25.0	3.8	20.0
cis-1,2-Dichloroethene	Ave	2.391	2.537	0.1000	26.5	25.0	6.1	20.0
Chlorobromomethane	Ave	1.265	1.309		25.9	25.0	3.5	20.0
Chloroform	Ave	4.010	4.078	0.2000	25.4	25.0	1.7	20.0
Tetrahydrofuran	Ave	0.7119	0.7554		53.1	50.0	6.1	20.0
1,1,1-Trichloroethane	Ave	3.347	3.477	0.1000	26.0	25.0	3.9	20.0
Cyclohexane	Ave	3.945	4.596	0.1000	29.1	25.0	16.5	20.0
Isobutyl alcohol	Ave	0.1241	0.1351		680	625	8.9	50.0
1,1-Dichloropropene	Ave	2.713	3.056		28.2	25.0	12.6	20.0
Carbon tetrachloride	Ave	3.082	3.337	0.1000	27.1	25.0	8.3	20.0
Benzene	Ave	8.408	9.162	0.5000	27.2	25.0	9.0	20.0
n-Heptane	Ave	3.103	3.356		27.0	25.0	8.2	20.0
1,2-Dichloroethane	Ave	3.446	3.421	0.1000	24.8	25.0	-0.7	20.0
Trichloroethene	Ave	2.220	2.355	0.2000	26.5	25.0	6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306748/3 Calibration Date: 06/15/2016 09:47

Instrument ID: HP5973C Calib Start Date: 05/25/2016 13:46

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/25/2016 16:43

Lab File ID: C5109.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.825	3.169	0.1000	28.0	25.0	12.2	20.0
1,2-Dichloropropane	Ave	2.280	2.525	0.1000	27.7	25.0	10.8	20.0
1,4-Dioxane	Lin1		0.0104		571	500	14.2	50.0
Dibromomethane	Ave	1.431	1.477	0.1000	25.8	25.0	3.2	20.0
Bromodichloromethane	Ave	2.866	3.049	0.2000	26.6	25.0	6.4	20.0
2-Chloroethyl vinyl ether	Ave	1.153	1.322		28.7	25.0	14.7	20.0
cis-1,3-Dichloropropene	Ave	3.062	3.462	0.2000	28.3	25.0	13.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.074	1.189	0.1000	138	125	10.7	20.0
Toluene	Ave	2.498	2.639	0.4000	26.4	25.0	5.6	20.0
Ethyl methacrylate	Ave	1.014	1.121		27.6	25.0	10.6	20.0
trans-1,3-Dichloropropene	Ave	1.399	1.532	0.1000	27.4	25.0	9.5	20.0
1,1,2-Trichloroethane	Ave	0.7794	0.7940	0.1000	25.5	25.0	1.9	20.0
2-Hexanone	Ave	0.7306	0.8435	0.1000	144	125	15.5	20.0
Tetrachloroethene	Ave	1.248	1.322	0.2000	26.5	25.0	5.9	20.0
1,3-Dichloropropane	Ave	1.574	1.622		25.8	25.0	3.0	20.0
Dibromochloromethane	Ave	1.087	1.180	0.1000	27.1	25.0	8.5	20.0
1,2-Dibromoethane	Ave	0.9605	0.9792		25.5	25.0	1.9	20.0
Chlorobenzene	Ave	2.936	3.001	0.5000	25.5	25.0	2.2	20.0
Ethylbenzene	Ave	4.618	4.841	0.1000	26.2	25.0	4.8	20.0
1,1,1,2-Tetrachloroethane	Ave	1.107	1.151		26.0	25.0	4.0	20.0
m,p-Xylene	Ave	1.759	1.954	0.1000	27.8	25.0	11.1	20.0
o-Xylene	Ave	1.697	1.879	0.3000	27.7	25.0	10.7	20.0
Styrene	Ave	2.661	3.118	0.3000	29.3	25.0	17.1	20.0
Isopropylbenzene	Ave	4.089	4.362	0.1000	26.7	25.0	6.7	20.0
Bromoform	Ave	0.6514	0.7260	0.1000	27.9	25.0	11.5	50.0
1,1,2,2-Tetrachloroethane	Ave	1.140	1.145	0.3000	25.1	25.0	0.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3926	0.4147		26.4	25.0	5.6	50.0
N-Propylbenzene	Ave	5.083	5.394		26.5	25.0	6.1	20.0
1,2,3-Trichloropropane	Ave	0.3518	0.3684		26.2	25.0	4.7	20.0
Bromobenzene	Ave	1.306	1.293		24.8	25.0	-1.0	20.0
1,3,5-Trimethylbenzene	Ave	3.513	3.819		27.2	25.0	8.7	20.0
2-Chlorotoluene	Ave	1.094	1.124		25.7	25.0	2.7	20.0
4-Chlorotoluene	Ave	1.109	1.136		25.6	25.0	2.4	20.0
tert-Butylbenzene	Ave	0.7655	0.8105		26.5	25.0	5.9	20.0
1,2,4-Trimethylbenzene	Ave	3.553	4.037		28.4	25.0	13.6	20.0
sec-Butylbenzene	Ave	4.385	4.703		26.8	25.0	7.3	20.0
4-Isopropyltoluene	Ave	3.709	4.140		27.9	25.0	11.6	20.0
1,3-Dichlorobenzene	Ave	2.468	2.439	0.6000	24.7	25.0	-1.2	20.0
1,4-Dichlorobenzene	Ave	2.551	2.458	0.5000	24.1	25.0	-3.6	20.0
n-Butylbenzene	Ave	3.331	3.536		26.5	25.0	6.1	20.0
1,2-Dichlorobenzene	Ave	2.381	2.322	0.4000	24.4	25.0	-2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306748/3 Calibration Date: 06/15/2016 09:47

Instrument ID: HP5973C Calib Start Date: 05/25/2016 13:46

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/25/2016 16:43

Lab File ID: C5109.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2043	0.1887	0.0500	23.1	25.0	-7.6	50.0
1,2,4-Trichlorobenzene	Ave	1.457	1.503	0.2000	25.8	25.0	3.1	20.0
Hexachlorobutadiene	Ave	0.6402	0.6556		25.6	25.0	2.4	20.0
Naphthalene	Ave	3.044	3.309		27.2	25.0	8.7	20.0
1,2,3-Trichlorobenzene	Ave	1.446	1.444		25.0	25.0	-0.1	20.0
Dibromofluoromethane (Surr)	Ave	1.369	1.424		26.0	25.0	4.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8520	0.8683		25.5	25.0	1.9	20.0
Toluene-d8 (Surr)	Ave	2.247	2.283		25.4	25.0	1.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7628	0.7914		25.9	25.0	3.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5109.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Jun-2016 09:47:30 ALS Bottle#: 29 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054049-003
Operator ID: gtg Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 11:50:13 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: goliszekg Date: 15-Jun-2016 11:50:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.357	9.357	0.000	98	122806	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	87	262220	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	94	282692	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.835	8.835	0.000	93	174911	25.0	26.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.132	9.132	0.000	0	106636	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	10.578	10.578	0.000	93	598771	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	95	207530	25.0	25.9	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	341000	25.0	25.9	
12 Chloromethane	50	4.863	4.863	0.000	100	432626	25.0	23.3	
13 Vinyl chloride	62	5.076	5.076	0.000	97	351878	25.0	23.8	
151 Butadiene	54	5.124	5.124	0.000	91	336358	25.0	22.5	
14 Bromomethane	94	5.681	5.681	0.000	91	242429	25.0	25.9	
15 Chloroethane	64	5.823	5.823	0.000	98	231781	25.0	27.6	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	98	564670	25.0	26.1	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	99	494194	25.0	26.4	
18 Ethyl ether	59	6.475	6.475	0.000	97	259288	25.0	26.9	
20 Acrolein	56	6.724	6.724	0.000	100	231617	125.0	148.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	280868	25.0	27.4	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	95	261407	25.0	27.7	
23 Acetone	43	6.867	6.867	0.000	100	550660	125.0	143.7	
25 Iodomethane	142	7.056	7.056	0.000	100	476859	25.0	26.3	
26 Carbon disulfide	76	7.139	7.139	0.000	100	1087812	25.0	31.5	
27 Methyl acetate	43	7.163	7.163	0.000	99	1186786	125.0	133.6	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	82	479515	25.0	26.3	
30 Methylene Chloride	84	7.341	7.341	0.000	98	302329	25.0	28.6	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	97	327272	250.0	269.3	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	99	722208	25.0	26.3	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	95	290909	25.0	27.3	
33 Acrylonitrile	53	7.578	7.578	0.000	99	1246103	250.0	286.8	
35 Hexane	57	7.709	7.709	0.000	93	449428	25.0	29.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	1286190	50.0	60.7	
39 1,1-Dichloroethane	63	7.958	7.958	0.000	97	556754	25.0	26.4	
43 2-Butanone (MEK)	43	8.420	8.420	0.000	98	753610	125.0	139.2	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	93	356883	25.0	25.9	
45 cis-1,2-Dichloroethene	96	8.456	8.456	0.000	87	311498	25.0	26.5	
48 Chlorobromomethane	128	8.681	8.681	0.000	91	160765	25.0	25.9	
49 Tetrahydrofuran	42	8.693	8.693	0.000	60	185536	50.0	53.1	
50 Chloroform	83	8.693	8.693	0.000	97	500861	25.0	25.4	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	426965	25.0	26.0	
52 Cyclohexane	56	8.906	8.906	0.000	94	564362	25.0	29.1	
53 Isobutyl alcohol	43	8.942	8.942	0.000	97	414644	625.0	680.4	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	95	375259	25.0	28.2	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	409849	25.0	27.1	
57 Benzene	78	9.179	9.179	0.000	98	1125203	25.0	27.2	
59 n-Heptane	43	9.191	9.191	0.000	94	412177	25.0	27.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	420100	25.0	24.8	
62 Trichloroethene	95	9.642	9.642	0.000	96	289235	25.0	26.5	
64 Methylcyclohexane	83	9.784	9.784	0.000	98	389191	25.0	28.0	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	95	310117	25.0	27.7	
66 1,4-Dioxane	88	9.926	9.926	0.000	99	54492	500.0	571.1	
67 Dibromomethane	93	9.997	9.997	0.000	94	181337	25.0	25.8	
68 Dichlorobromomethane	83	10.057	10.057	0.000	98	374492	25.0	26.6	
69 2-Chloroethyl vinyl ether	63	10.175	10.175	0.000	93	162396	25.0	28.7	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	425169	25.0	28.3	
73 4-Methyl-2-pentanone (MIBK	43	10.412	10.412	0.000	97	1559032	125.0	138.3	
74 Toluene	92	10.638	10.638	0.000	98	692090	25.0	26.4	
75 Ethyl methacrylate	69	10.709	10.709	0.000	93	293897	25.0	27.6	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	401794	25.0	27.4	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	208194	25.0	25.5	
80 2-Hexanone	43	11.053	11.053	0.000	97	1105936	125.0	144.3	
81 Tetrachloroethene	166	11.088	11.088	0.000	98	346592	25.0	26.5	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	97	425211	25.0	25.8	
83 Chlorodibromomethane	129	11.337	11.337	0.000	90	309515	25.0	27.1	
84 Ethylene Dibromide	107	11.468	11.468	0.000	99	256764	25.0	25.5	
87 Chlorobenzene	112	11.788	11.788	0.000	87	786823	25.0	25.5	
88 Ethylbenzene	91	11.800	11.800	0.000	96	1269364	25.0	26.2	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	95	301780	25.0	26.0	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	0	512281	25.0	27.8	
91 o-Xylene	106	12.227	12.227	0.000	95	492647	25.0	27.7	
92 Styrene	104	12.239	12.239	0.000	93	817513	25.0	29.3	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	1233131	25.0	26.7	
95 Bromoform	173	12.523	12.523	0.000	98	190360	25.0	27.9	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	95	323608	25.0	25.1	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	82	117242	25.0	26.4	
99 N-Propylbenzene	91	12.843	12.843	0.000	99	1524832	25.0	26.5	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	104156	25.0	26.2	
101 Bromobenzene	156	12.903	12.903	0.000	89	365548	25.0	24.8	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	95	1079459	25.0	27.2	
103 2-Chlorotoluene	126	13.009	13.009	0.000	96	317621	25.0	25.7	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	321084	25.0	25.6	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	229122	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	95	1141222	25.0	28.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	1329396	25.0	26.8	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	1170398	25.0	27.9	
111 1,3-Dichlorobenzene	146	13.721	13.721	0.000	98	689424	25.0	24.7	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	95	694965	25.0	24.1	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	999473	25.0	26.5	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	656411	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	84	53349	25.0	23.1	
119 1,2,4-Trichlorobenzene	180	16.128	16.128	0.000	95	424898	25.0	25.8	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	98	185345	25.0	25.6	
121 Naphthalene	128	16.567	16.567	0.000	97	935558	25.0	27.2	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	408143	25.0	25.0	

Reagents:

GAS CORP mix_00160	Amount Added: 12.50	Units: uL	
8260 CORP mix_00075	Amount Added: 12.50	Units: uL	
C_8260_IS_00076	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added: 1.00	Units: uL	Run Reagent

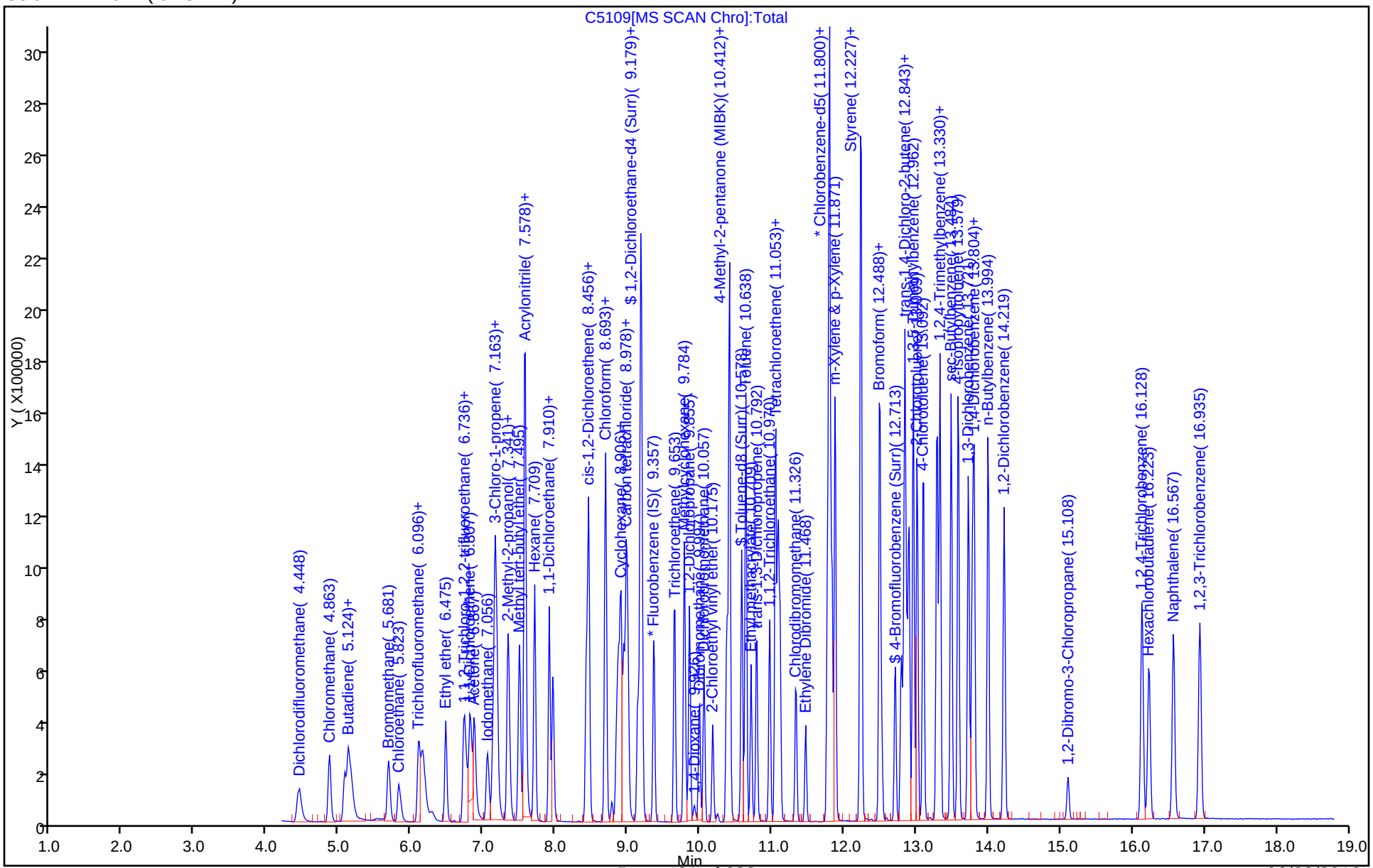
Report Date: 15-Jun-2016 11:50:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5109.D

Injection Date:	15-Jun-2016 09:47:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306259/4 Calibration Date: 06/12/2016 22:08

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7120.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.564	1.865	0.1000	59.6	50.0	19.3	50.0
Chloromethane	Ave	1.046	0.9486	0.1000	45.3	50.0	-9.3	20.0
Butadiene	Ave	0.9737	0.9189		47.2	50.0	-5.6	20.0
Vinyl chloride	Ave	1.070	0.9810	0.1000	45.8	50.0	-8.4	20.0
Bromomethane	Ave	0.8114	0.7220	0.1000	44.5	50.0	-11.0	50.0
Chloroethane	Ave	0.6033	0.5626	0.1000	46.6	50.0	-6.8	50.0
Dichlorofluoromethane	Ave	1.866	1.781		47.7	50.0	-4.5	20.0
Trichlorofluoromethane	Ave	2.013	2.057	0.1000	51.1	50.0	2.2	20.0
Ethyl ether	Ave	0.8690	0.8004		46.1	50.0	-7.9	20.0
Acrolein	Ave	0.2116	0.1937		229	250	-8.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.277	1.264	0.1000	49.5	50.0	-0.9	20.0
1,1-Dichloroethene	Ave	1.235	1.217	0.1000	49.3	50.0	-1.4	20.0
Acetone	Lin1		0.4394	0.1000	270	250	8.0	50.0
Iodomethane	Ave	2.300	2.277		49.5	50.0	-1.0	20.0
Carbon disulfide	Ave	4.496	4.378	0.1000	48.7	50.0	-2.6	20.0
Allyl chloride	Ave	1.863	1.851		49.7	50.0	-0.6	20.0
Methyl acetate	Ave	0.8326	0.7917	0.1000	238	250	-4.9	50.0
Methylene Chloride	Lin1		1.444	0.1000	48.4	50.0	-3.2	20.0
2-Methyl-2-propanol	Ave	0.1444	0.1514		524	500	4.8	50.0
Methyl tert-butyl ether	Ave	4.434	4.475	0.1000	50.5	50.0	0.9	20.0
trans-1,2-Dichloroethene	Ave	1.423	1.383	0.1000	48.6	50.0	-2.8	20.0
Acrylonitrile	Ave	0.4186	0.3828		457	500	-8.6	20.0
Hexane	Lin1		2.046		51.3	50.0	2.6	20.0
Vinyl acetate	Ave	2.443	2.457		101	100	0.6	20.0
1,1-Dichloroethane	Ave	2.417	2.356	0.2000	48.7	50.0	-2.5	20.0
2,2-Dichloropropane	Ave	2.349	2.452		52.2	50.0	4.4	20.0
2-Butanone (MEK)	Ave	0.5496	0.5512	0.1000	251	250	0.3	20.0
cis-1,2-Dichloroethene	Ave	1.552	1.509	0.1000	48.6	50.0	-2.8	20.0
Chlorobromomethane	Ave	0.6985	0.6923		49.6	50.0	-0.9	20.0
Tetrahydrofuran	Ave	0.3571	0.3408		95.4	100	-4.6	20.0
Chloroform	Ave	2.637	2.653	0.2000	50.3	50.0	0.6	20.0
1,1,1-Trichloroethane	Ave	2.325	2.438	0.1000	52.4	50.0	4.9	20.0
Cyclohexane	Ave	2.232	2.165	0.1000	48.5	50.0	-3.0	20.0
1,1-Dichloropropene	Ave	2.081	2.094		50.3	50.0	0.7	20.0
Carbon tetrachloride	Ave	1.983	2.121	0.1000	53.5	50.0	7.0	20.0
Isobutyl alcohol	Ave	0.0519	0.0514		1240	1250	-0.8	50.0
Benzene	Ave	5.571	5.434	0.5000	48.8	50.0	-2.5	20.0
1,2-Dichloroethane	Ave	2.032	2.054	0.1000	50.5	50.0	1.0	20.0
n-Heptane	Ave	2.054	1.963		47.8	50.0	-4.5	20.0
Trichloroethene	Ave	1.487	1.473	0.2000	49.5	50.0	-1.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306259/4 Calibration Date: 06/12/2016 22:08

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7120.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.615	2.582	0.1000	49.4	50.0	-1.3	20.0
1,2-Dichloropropane	Ave	1.250	1.211	0.1000	48.4	50.0	-3.2	20.0
1,4-Dioxane	Ave	0.0044	0.0052		1180	1000	17.6	50.0
Dibromomethane	Ave	0.8590	0.8550	0.1000	49.8	50.0	-0.5	20.0
Bromodichloromethane	Ave	1.928	1.996	0.2000	51.8	50.0	3.5	20.0
2-Chloroethyl vinyl ether	Ave	0.6872	0.6663		48.5	50.0	-3.0	20.0
cis-1,3-Dichloropropene	Ave	2.388	2.383	0.2000	49.9	50.0	-0.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5465	0.5215	0.1000	239	250	-4.6	20.0
Toluene	Ave	1.733	1.704	0.4000	49.2	50.0	-1.7	20.0
Ethyl methacrylate	Ave	0.8622	0.8483		49.2	50.0	-1.6	20.0
trans-1,3-Dichloropropene	Ave	1.057	1.077	0.1000	50.9	50.0	1.9	20.0
1,1,2-Trichloroethane	Ave	0.4927	0.4795	0.1000	48.7	50.0	-2.7	20.0
Tetrachloroethene	Ave	0.7507	0.7389	0.2000	49.2	50.0	-1.6	20.0
1,3-Dichloropropane	Ave	1.038	1.014		48.8	50.0	-2.4	20.0
2-Hexanone	Ave	0.4135	0.4012	0.1000	243	250	-3.0	20.0
Dibromochloromethane	Ave	0.6424	0.6757	0.1000	52.6	50.0	5.2	20.0
1,2-Dibromoethane	Ave	0.6015	0.5883		48.9	50.0	-2.2	20.0
Chlorobenzene	Ave	1.842	1.776	0.5000	48.2	50.0	-3.6	20.0
Ethylbenzene	Ave	3.237	3.225	0.1000	49.8	50.0	-0.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6632	0.6830		51.5	50.0	3.0	20.0
m,p-Xylene	Ave	1.260	1.232	0.1000	48.9	50.0	-2.3	20.0
o-Xylene	Ave	1.219	1.181	0.3000	48.5	50.0	-3.1	20.0
Styrene	Ave	2.078	2.024	0.3000	48.7	50.0	-2.6	20.0
Bromoform	Ave	0.3962	0.4049	0.1000	51.1	50.0	2.2	50.0
Isopropylbenzene	Ave	3.461	3.429	0.1000	49.5	50.0	-0.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.8093	0.3000	48.0	50.0	-3.9	20.0
Bromobenzene	Ave	0.9158	0.9018		49.2	50.0	-1.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2823	0.2872		50.9	50.0	1.7	50.0
N-Propylbenzene	Ave	4.126	4.096		49.6	50.0	-0.7	20.0
1,2,3-Trichloropropane	Ave	0.2704	0.2609		48.2	50.0	-3.5	20.0
2-Chlorotoluene	Ave	0.8109	0.7869		48.5	50.0	-3.0	20.0
1,3,5-Trimethylbenzene	Ave	2.992	3.006		50.2	50.0	0.5	20.0
4-Chlorotoluene	Ave	0.8467	0.8451		49.9	50.0	-0.2	20.0
tert-Butylbenzene	Ave	0.6676	0.6731		50.4	50.0	0.8	20.0
1,2,4-Trimethylbenzene	Ave	3.030	3.000		49.5	50.0	-1.0	20.0
sec-Butylbenzene	Ave	3.698	3.684		49.8	50.0	-0.4	20.0
4-Isopropyltoluene	Ave	3.181	3.179		50.0	50.0	-0.0	20.0
1,3-Dichlorobenzene	Ave	1.742	1.723	0.6000	49.5	50.0	-1.1	20.0
1,4-Dichlorobenzene	Ave	1.774	1.742	0.5000	49.1	50.0	-1.8	20.0
n-Butylbenzene	Ave	2.918	2.989		51.2	50.0	2.4	20.0
1,2-Dichlorobenzene	Ave	1.627	1.606	0.4000	49.4	50.0	-1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306259/4 Calibration Date: 06/12/2016 22:08

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7120.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1657	0.1697	0.0500	51.2	50.0	2.4	50.0
1,2,4-Trichlorobenzene	Ave	1.082	1.074	0.2000	49.6	50.0	-0.7	20.0
Hexachlorobutadiene	Ave	0.6408	0.6397		49.9	50.0	-0.2	20.0
Naphthalene	Ave	2.520	2.425		48.1	50.0	-3.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9920	0.9683		48.8	50.0	-2.4	20.0
Dibromofluoromethane (Surr)	Ave	1.145	0.8915		38.9	50.0	-22.2*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7222	0.5242		36.3	50.0	-27.4*	20.0
Toluene-d8 (Surr)	Ave	2.162	1.768		40.9	50.0	-18.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6957	0.7955		57.2	50.0	14.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7120.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Jun-2016 22:08:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0053971-004
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Jun-2016 22:32:46 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 12-Jun-2016 22:32:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	230474	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	469950	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.443	0.000	95	423205	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.755	0.000	84	205460	50.0	38.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	120804	50.0	36.3	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	831014	50.0	40.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	373841	50.0	57.2	
10 Dichlorodifluoromethane	85	1.853	1.853	0.000	99	429936	50.0	59.6	
12 Chloromethane	50	2.018	2.018	0.000	98	218623	50.0	45.3	
13 Vinyl chloride	62	2.127	2.127	0.000	98	226096	50.0	45.8	
151 Butadiene	54	2.127	2.127	0.000	95	211790	50.0	47.2	
14 Bromomethane	94	2.401	2.401	0.000	92	166405	50.0	44.5	
15 Chloroethane	64	2.462	2.462	0.000	99	129664	50.0	46.6	
16 Dichlorofluoromethane	67	2.620	2.620	0.000	97	410469	50.0	47.7	
17 Trichlorofluoromethane	101	2.663	2.663	0.000	99	474005	50.0	51.1	
18 Ethyl ether	59	2.839	2.839	0.000	89	184473	50.0	46.1	
20 Acrolein	56	2.997	2.997	0.000	99	223169	250.0	228.8	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	93	291420	50.0	49.5	
22 1,1-Dichloroethene	96	3.052	3.052	0.000	97	280580	50.0	49.3	
23 Acetone	43	3.107	3.107	0.000	99	506349	250.0	270.0	
25 Iodomethane	142	3.204	3.204	0.000	100	524825	50.0	49.5	
26 Carbon disulfide	76	3.259	3.259	0.000	99	1008915	50.0	48.7	
27 Methyl acetate	43	3.320	3.320	0.000	95	912293	250.0	237.7	
28 3-Chloro-1-propene	41	3.320	3.320	0.000	76	426682	50.0	49.7	
30 Methylene Chloride	84	3.429	3.429	0.000	87	332696	50.0	48.4	
31 2-Methyl-2-propanol	59	3.484	3.484	0.000	99	349040	500.0	524.2	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	1031464	50.0	50.5	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	99	318689	50.0	48.6	
33 Acrylonitrile	53	3.630	3.630	0.000	97	882225	500.0	457.2	
35 Hexane	57	3.745	3.745	0.000	92	471548	50.0	51.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.928	3.928	0.000	97	1132654	100.0	100.6	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	96	542972	50.0	48.7	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	81	565187	50.0	52.2	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	635159	250.0	250.7	
45 cis-1,2-Dichloroethene	96	4.390	4.390	0.000	83	347827	50.0	48.6	
48 Chlorobromomethane	128	4.591	4.591	0.000	91	159560	50.0	49.6	
49 Tetrahydrofuran	42	4.609	4.609	0.000	76	157070	100.0	95.4	
50 Chloroform	83	4.628	4.628	0.000	94	611495	50.0	50.3	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	561907	50.0	52.4	
52 Cyclohexane	56	4.792	4.792	0.000	88	498940	50.0	48.5	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	96	482640	50.0	50.3	
55 Carbon tetrachloride	117	4.895	4.895	0.000	96	488817	50.0	53.5	
53 Isobutyl alcohol	43	4.950	4.950	0.000	93	296359	1250.0	1239.7	
57 Benzene	78	5.066	5.066	0.000	96	1252484	50.0	48.8	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	473297	50.0	50.5	
59 n-Heptane	43	5.163	5.163	0.000	86	452330	50.0	47.8	
62 Trichloroethene	95	5.583	5.583	0.000	97	339489	50.0	49.5	
64 Methylcyclohexane	83	5.723	5.723	0.000	88	595166	50.0	49.4	
65 1,2-Dichloropropane	63	5.802	5.802	0.000	89	279007	50.0	48.4	
66 1,4-Dioxane	88	5.911	5.911	0.000	89	48681	1000.0	1176.0	
67 Dibromomethane	93	5.936	5.936	0.000	95	197048	50.0	49.8	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	459987	50.0	51.8	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	95	153559	50.0	48.5	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	549240	50.0	49.9	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	94	1225267	250.0	238.5	
74 Toluene	92	6.714	6.714	0.000	99	800885	50.0	49.2	
77 trans-1,3-Dichloropropene	75	6.939	6.939	0.000	96	506091	50.0	50.9	
75 Ethyl methacrylate	69	6.939	6.939	0.000	71	398635	50.0	49.2	
79 1,1,2-Trichloroethane	83	7.134	7.134	0.000	94	225349	50.0	48.7	
81 Tetrachloroethene	166	7.231	7.231	0.000	95	347257	50.0	49.2	
82 1,3-Dichloropropane	76	7.298	7.298	0.000	96	476294	50.0	48.8	
80 2-Hexanone	43	7.310	7.310	0.000	96	942694	250.0	242.6	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	317557	50.0	52.6	
84 Ethylene Dibromide	107	7.663	7.663	0.000	99	276486	50.0	48.9	
87 Chlorobenzene	112	8.113	8.113	0.000	92	834731	50.0	48.2	
88 Ethylbenzene	91	8.180	8.180	0.000	98	1515635	50.0	49.8	
89 1,1,1,2-Tetrachloroethane	131	8.199	8.199	0.000	93	320957	50.0	51.5	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	578864	50.0	48.9	
91 o-Xylene	106	8.728	8.728	0.000	97	555197	50.0	48.5	
92 Styrene	104	8.752	8.752	0.000	93	951130	50.0	48.7	
95 Bromoform	173	9.020	9.020	0.000	96	190257	50.0	51.1	
94 Isopropylbenzene	105	9.099	9.099	0.000	96	1451048	50.0	49.5	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	75	342483	50.0	48.0	
101 Bromobenzene	156	9.482	9.482	0.000	94	381645	50.0	49.2	
98 trans-1,4-Dichloro-2-buten	53	9.519	9.519	0.000	60	121534	50.0	50.9	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	1733513	50.0	49.6	
100 1,2,3-Trichloropropane	110	9.537	9.537	0.000	81	110425	50.0	48.2	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	333010	50.0	48.5	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1272115	50.0	50.2	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	357669	50.0	49.9	
106 tert-Butylbenzene	134	10.018	10.018	0.000	90	284845	50.0	50.4	
107 1,2,4-Trimethylbenzene	105	10.072	10.072	0.000	97	1269761	50.0	49.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.224	10.224	0.000	95	1559039	50.0	49.8	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	95	1345326	50.0	50.0	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	729389	50.0	49.5	
113 1,4-Dichlorobenzene	146	10.468	10.468	0.000	94	737273	50.0	49.1	
115 n-Butylbenzene	91	10.729	10.729	0.000	97	1264971	50.0	51.2	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	679804	50.0	49.4	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	85	71830	50.0	51.2	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	454712	50.0	49.6	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	270706	50.0	49.9	
121 Naphthalene	128	12.354	12.354	0.000	97	1026093	50.0	48.1	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	409798	50.0	48.8	

Reagents:

8260 CORP mix_00075	Amount Added: 25.00	Units: uL	
GAS CORP mix_00159	Amount Added: 25.00	Units: uL	
F 8260 IS_00454	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00149	Amount Added: 1.00	Units: uL	Run Reagent

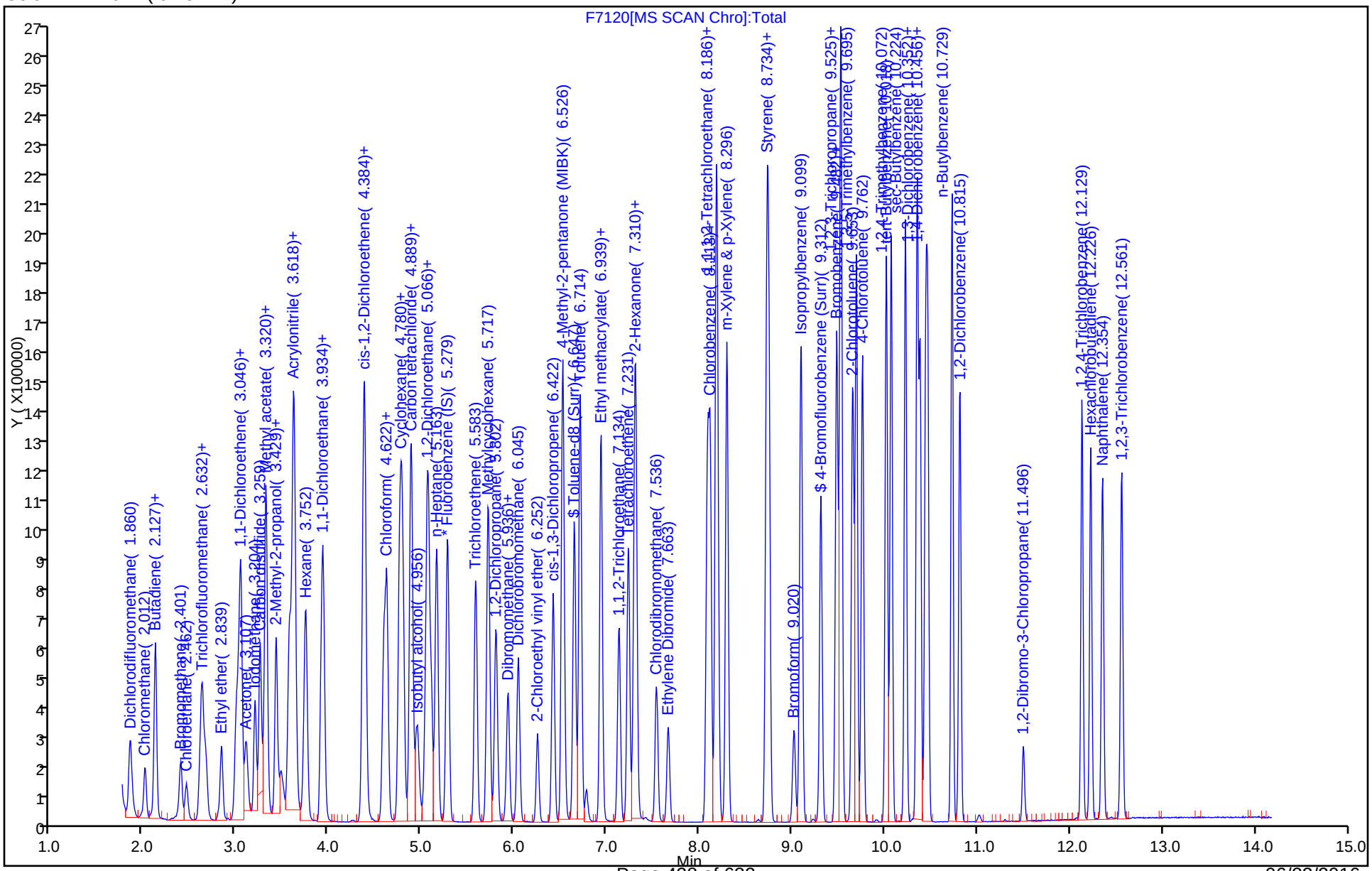
Report Date: 12-Jun-2016 22:32:48 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7120.D

Injection Date:	12-Jun-2016 22:08:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306374/3 Calibration Date: 06/13/2016 10:56

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7148.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.564	1.761	0.1000	56.3	50.0	12.6	50.0
Chloromethane	Ave	1.046	0.9768	0.1000	46.7	50.0	-6.6	20.0
Vinyl chloride	Ave	1.070	1.000	0.1000	46.7	50.0	-6.5	20.0
Butadiene	Ave	0.9737	0.9354		48.0	50.0	-3.9	20.0
Bromomethane	Ave	0.8114	0.7777	0.1000	47.9	50.0	-4.1	50.0
Chloroethane	Ave	0.6033	0.5847	0.1000	48.5	50.0	-3.1	50.0
Dichlorofluoromethane	Ave	1.866	1.829		49.0	50.0	-2.0	20.0
Trichlorofluoromethane	Ave	2.013	2.029	0.1000	50.4	50.0	0.8	20.0
Ethyl ether	Ave	0.8690	0.8031		46.2	50.0	-7.6	20.0
Acrolein	Ave	0.2116	0.2031		240	250	-4.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.277	1.270	0.1000	49.7	50.0	-0.6	20.0
1,1-Dichloroethene	Ave	1.235	1.228	0.1000	49.7	50.0	-0.5	20.0
Acetone	Lin1		0.4378	0.1000	269	250	7.6	50.0
Iodomethane	Ave	2.300	2.327		50.6	50.0	1.2	20.0
Carbon disulfide	Ave	4.496	4.424	0.1000	49.2	50.0	-1.6	20.0
Methyl acetate	Ave	0.8326	0.8340	0.1000	250	250	0.2	50.0
Allyl chloride	Ave	1.863	1.868		50.1	50.0	0.2	20.0
Methylene Chloride	Lin1		1.492	0.1000	50.2	50.0	0.4	20.0
2-Methyl-2-propanol	Ave	0.1444	0.1406		487	500	-2.7	50.0
Methyl tert-butyl ether	Ave	4.434	4.561	0.1000	51.4	50.0	2.9	20.0
trans-1,2-Dichloroethene	Ave	1.423	1.432	0.1000	50.3	50.0	0.7	20.0
Acrylonitrile	Ave	0.4186	0.4115		492	500	-1.7	20.0
Hexane	Lin1		2.106		52.9	50.0	5.8	20.0
Vinyl acetate	Ave	2.443	2.552		104	100	4.5	20.0
1,1-Dichloroethane	Ave	2.417	2.421	0.2000	50.1	50.0	0.2	20.0
2-Butanone (MEK)	Ave	0.5496	0.5797	0.1000	264	250	5.5	20.0
2,2-Dichloropropane	Ave	2.349	2.446		52.1	50.0	4.1	20.0
cis-1,2-Dichloroethene	Ave	1.552	1.567	0.1000	50.5	50.0	1.0	20.0
Chlorobromomethane	Ave	0.6985	0.7207		51.6	50.0	3.2	20.0
Tetrahydrofuran	Ave	0.3571	0.3638		102	100	1.9	20.0
Chloroform	Ave	2.637	2.722	0.2000	51.6	50.0	3.2	20.0
1,1,1-Trichloroethane	Ave	2.325	2.417	0.1000	52.0	50.0	3.9	20.0
Cyclohexane	Ave	2.232	2.171	0.1000	48.6	50.0	-2.7	20.0
1,1-Dichloropropene	Ave	2.081	2.151		51.7	50.0	3.4	20.0
Carbon tetrachloride	Ave	1.983	2.069	0.1000	52.2	50.0	4.3	20.0
Isobutyl alcohol	Ave	0.0519	0.0504		1210	1250	-2.9	50.0
Benzene	Ave	5.571	5.663	0.5000	50.8	50.0	1.6	20.0
1,2-Dichloroethane	Ave	2.032	2.104	0.1000	51.8	50.0	3.5	20.0
n-Heptane	Ave	2.054	2.015		49.0	50.0	-1.9	20.0
Trichloroethene	Ave	1.487	1.571	0.2000	52.8	50.0	5.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306374/3 Calibration Date: 06/13/2016 10:56

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7148.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.615	2.643	0.1000	50.5	50.0	1.1	20.0
1,2-Dichloropropane	Ave	1.250	1.247	0.1000	49.9	50.0	-0.3	20.0
1,4-Dioxane	Ave	0.0044	0.0053		1210	1000	20.6	50.0
Dibromomethane	Ave	0.8590	0.8754	0.1000	51.0	50.0	1.9	20.0
Bromodichloromethane	Ave	1.928	2.023	0.2000	52.5	50.0	4.9	20.0
2-Chloroethyl vinyl ether	Ave	0.6872	0.7217		52.5	50.0	5.0	20.0
cis-1,3-Dichloropropene	Ave	2.388	2.462	0.2000	51.6	50.0	3.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5465	0.5398	0.1000	247	250	-1.2	20.0
Toluene	Ave	1.733	1.763	0.4000	50.8	50.0	1.7	20.0
Ethyl methacrylate	Ave	0.8622	0.8722		50.6	50.0	1.2	20.0
trans-1,3-Dichloropropene	Ave	1.057	1.109	0.1000	52.4	50.0	4.9	20.0
1,1,2-Trichloroethane	Ave	0.4927	0.4933	0.1000	50.1	50.0	0.1	20.0
Tetrachloroethene	Ave	0.7507	0.7615	0.2000	50.7	50.0	1.4	20.0
1,3-Dichloropropane	Ave	1.038	1.046		50.4	50.0	0.8	20.0
2-Hexanone	Ave	0.4135	0.4222	0.1000	255	250	2.1	20.0
Dibromochloromethane	Ave	0.6424	0.6870	0.1000	53.5	50.0	6.9	20.0
1,2-Dibromoethane	Ave	0.6015	0.6292		52.3	50.0	4.6	20.0
Chlorobenzene	Ave	1.842	1.834	0.5000	49.8	50.0	-0.4	20.0
Ethylbenzene	Ave	3.237	3.279	0.1000	50.6	50.0	1.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6632	0.6965		52.5	50.0	5.0	20.0
m,p-Xylene	Ave	1.260	1.270	0.1000	50.4	50.0	0.7	20.0
o-Xylene	Ave	1.219	1.230	0.3000	50.5	50.0	0.9	20.0
Styrene	Ave	2.078	2.088	0.3000	50.2	50.0	0.5	20.0
Bromoform	Ave	0.3962	0.4128	0.1000	52.1	50.0	4.2	50.0
Isopropylbenzene	Ave	3.461	3.449	0.1000	49.8	50.0	-0.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.8418	0.3000	50.0	50.0	-0.0	20.0
Bromobenzene	Ave	0.9158	0.9264		50.6	50.0	1.2	20.0
N-Propylbenzene	Ave	4.126	4.151		50.3	50.0	0.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2823	0.2916		51.6	50.0	3.3	50.0
1,2,3-Trichloropropane	Ave	0.2704	0.2673		49.4	50.0	-1.2	20.0
2-Chlorotoluene	Ave	0.8109	0.7959		49.1	50.0	-1.8	20.0
1,3,5-Trimethylbenzene	Ave	2.992	2.977		49.7	50.0	-0.5	20.0
4-Chlorotoluene	Ave	0.8467	0.8511		50.3	50.0	0.5	20.0
tert-Butylbenzene	Ave	0.6676	0.6632		49.7	50.0	-0.7	20.0
1,2,4-Trimethylbenzene	Ave	3.030	3.026		49.9	50.0	-0.1	20.0
sec-Butylbenzene	Ave	3.698	3.694		50.0	50.0	-0.0	20.0
4-Isopropyltoluene	Ave	3.181	3.181		50.0	50.0	0.0	20.0
1,3-Dichlorobenzene	Ave	1.742	1.772	0.6000	50.9	50.0	1.7	20.0
1,4-Dichlorobenzene	Ave	1.774	1.779	0.5000	50.1	50.0	0.3	20.0
n-Butylbenzene	Ave	2.918	2.978		51.0	50.0	2.1	20.0
1,2-Dichlorobenzene	Ave	1.627	1.630	0.4000	50.1	50.0	0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306374/3 Calibration Date: 06/13/2016 10:56

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7148.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1657	0.1664	0.0500	50.2	50.0	0.4	50.0
1,2,4-Trichlorobenzene	Ave	1.082	1.066	0.2000	49.2	50.0	-1.5	20.0
Hexachlorobutadiene	Ave	0.6408	0.6381		49.8	50.0	-0.4	20.0
Naphthalene	Ave	2.520	2.423		48.1	50.0	-3.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9920	0.9718		49.0	50.0	-2.0	20.0
Dibromofluoromethane (Surr)	Ave	1.145	1.174		51.2	50.0	2.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7222	0.7398		51.2	50.0	2.4	20.0
Toluene-d8 (Surr)	Ave	2.162	2.144		49.6	50.0	-0.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6957	0.7015		50.4	50.0	0.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7148.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Jun-2016 10:56:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0053989-003
Operator ID: CDC Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 11:17:53 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 11:17:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	233535	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	480460	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	435880	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.755	0.000	93	274099	50.0	51.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	172760	50.0	51.2	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	1029896	50.0	49.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	337042	50.0	50.4	
10 Dichlorodifluoromethane	85	1.848	1.848	0.000	100	411273	50.0	56.3	
12 Chloromethane	50	2.012	2.012	0.000	98	228108	50.0	46.7	
13 Vinyl chloride	62	2.121	2.121	0.000	98	233643	50.0	46.7	
151 Butadiene	54	2.127	2.127	0.000	95	218451	50.0	48.0	
14 Bromomethane	94	2.395	2.395	0.000	92	181619	50.0	47.9	
15 Chloroethane	64	2.456	2.456	0.000	99	136538	50.0	48.5	
16 Dichlorofluoromethane	67	2.626	2.626	0.000	97	427077	50.0	49.0	
17 Trichlorofluoromethane	101	2.669	2.669	0.000	95	473910	50.0	50.4	
18 Ethyl ether	59	2.839	2.839	0.000	88	187560	50.0	46.2	
20 Acrolein	56	2.991	2.991	0.000	99	237128	250.0	240.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.022	0.000	94	296472	50.0	49.7	
22 1,1-Dichloroethene	96	3.046	3.046	0.000	98	286807	50.0	49.7	
23 Acetone	43	3.101	3.101	0.000	99	511178	250.0	269.0	
25 Iodomethane	142	3.198	3.198	0.000	100	543365	50.0	50.6	
26 Carbon disulfide	76	3.253	3.253	0.000	99	1033088	50.0	49.2	
27 Methyl acetate	43	3.314	3.314	0.000	95	973878	250.0	250.4	
28 3-Chloro-1-propene	41	3.320	3.320	0.000	76	436187	50.0	50.1	
30 Methylene Chloride	84	3.429	3.429	0.000	86	348420	50.0	50.2	
31 2-Methyl-2-propanol	59	3.478	3.478	0.000	99	328367	500.0	486.7	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	1065191	50.0	51.4	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	99	334492	50.0	50.3	
33 Acrylonitrile	53	3.624	3.624	0.000	98	960994	500.0	491.5	
35 Hexane	57	3.746	3.746	0.000	91	491838	50.0	52.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.922	0.000	97	1192096	100.0	104.5	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	96	565474	50.0	50.1	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	98	676932	250.0	263.7	
44 2,2-Dichloropropane	77	4.378	4.378	0.000	79	571134	50.0	52.1	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	83	365974	50.0	50.5	
48 Chlorobromomethane	128	4.585	4.585	0.000	88	168311	50.0	51.6	
49 Tetrahydrofuran	42	4.603	4.603	0.000	83	169936	100.0	101.9	
50 Chloroform	83	4.622	4.622	0.000	94	635575	50.0	51.6	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	564356	50.0	52.0	
52 Cyclohexane	56	4.792	4.792	0.000	87	507016	50.0	48.6	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	96	502248	50.0	51.7	
55 Carbon tetrachloride	117	4.889	4.889	0.000	98	483129	50.0	52.2	
53 Isobutyl alcohol	43	4.944	4.944	0.000	93	294080	1250.0	1214.0	
57 Benzene	78	5.066	5.066	0.000	96	1322429	50.0	50.8	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	491285	50.0	51.8	
59 n-Heptane	43	5.157	5.157	0.000	87	470460	50.0	49.0	
62 Trichloroethene	95	5.583	5.583	0.000	97	366958	50.0	52.8	
64 Methylcyclohexane	83	5.717	5.717	0.000	87	617342	50.0	50.5	
65 1,2-Dichloropropane	63	5.796	5.796	0.000	90	291236	50.0	49.9	
66 1,4-Dioxane	88	5.911	5.911	0.000	91	51027	1000.0	1205.7	
67 Dibromomethane	93	5.930	5.930	0.000	96	204434	50.0	51.0	
68 Dichlorobromomethane	83	6.039	6.039	0.000	99	472449	50.0	52.5	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	168537	50.0	52.5	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	574946	50.0	51.6	
73 4-Methyl-2-pentanone (MIBK	43	6.520	6.520	0.000	95	1296718	250.0	246.9	
74 Toluene	92	6.714	6.714	0.000	99	846950	50.0	50.8	
77 trans-1,3-Dichloropropene	75	6.940	6.940	0.000	95	532630	50.0	52.4	
75 Ethyl methacrylate	69	6.940	6.940	0.000	72	419076	50.0	50.6	
79 1,1,2-Trichloroethane	83	7.128	7.128	0.000	92	237030	50.0	50.1	
81 Tetrachloroethene	166	7.232	7.232	0.000	96	365873	50.0	50.7	
82 1,3-Dichloropropane	76	7.292	7.292	0.000	97	502628	50.0	50.4	
80 2-Hexanone	43	7.311	7.311	0.000	94	1014228	250.0	255.3	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	330086	50.0	53.5	
84 Ethylene Dibromide	107	7.663	7.663	0.000	97	302303	50.0	52.3	
87 Chlorobenzene	112	8.114	8.114	0.000	92	881131	50.0	49.8	
88 Ethylbenzene	91	8.181	8.181	0.000	98	1575198	50.0	50.6	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	93	334637	50.0	52.5	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	610069	50.0	50.4	
91 o-Xylene	106	8.728	8.728	0.000	97	590884	50.0	50.5	
92 Styrene	104	8.746	8.746	0.000	93	1003400	50.0	50.2	
95 Bromoform	173	9.020	9.020	0.000	96	198348	50.0	52.1	
94 Isopropylbenzene	105	9.093	9.093	0.000	96	1503294	50.0	49.8	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	94	366921	50.0	50.0	
101 Bromobenzene	156	9.482	9.482	0.000	93	403790	50.0	50.6	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	62	127095	50.0	51.6	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	1809283	50.0	50.3	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	79	116506	50.0	49.4	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	346922	50.0	49.1	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1297734	50.0	49.7	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	370975	50.0	50.3	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	289062	50.0	49.7	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	1318780	50.0	49.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1610308	50.0	50.0	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	1386720	50.0	50.0	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	772472	50.0	50.9	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	775396	50.0	50.1	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	1298211	50.0	51.0	
116 1,2-Dichlorobenzene	146	10.809	10.809	0.000	97	710527	50.0	50.1	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	86	72549	50.0	50.2	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	464511	50.0	49.2	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	278136	50.0	49.8	
121 Naphthalene	128	12.354	12.354	0.000	97	1056278	50.0	48.1	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	423585	50.0	49.0	

Reagents:

8260 CORP mix_00075	Amount Added: 25.00	Units: uL	
GAS CORP mix_00160	Amount Added: 25.00	Units: uL	
F 8260 IS_00455	Amount Added: 1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added: 1.00	Units: uL	Run Reagent

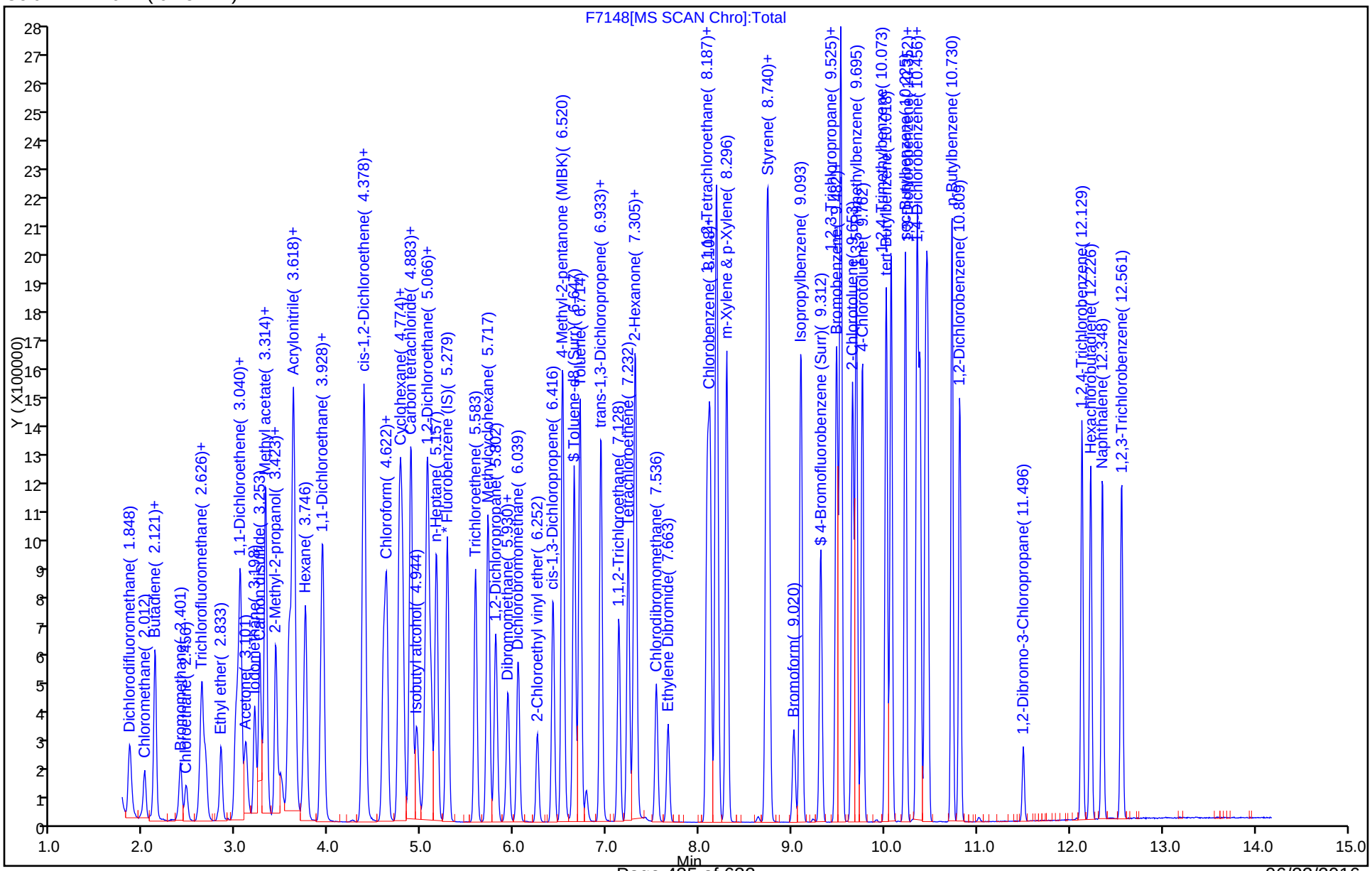
Report Date: 13-Jun-2016 11:17:55 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7148.D

Injection Date:	13-Jun-2016 10:56:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306490/3 Calibration Date: 06/13/2016 22:44

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7175.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.564	1.971	0.1000	63.0	50.0	26.0	50.0
Chloromethane	Ave	1.046	0.9502	0.1000	45.4	50.0	-9.1	20.0
Vinyl chloride	Ave	1.070	0.9835	0.1000	45.9	50.0	-8.1	20.0
Butadiene	Ave	0.9737	0.8846		45.4	50.0	-9.2	20.0
Bromomethane	Ave	0.8114	0.7586	0.1000	46.7	50.0	-6.5	50.0
Chloroethane	Ave	0.6033	0.5553	0.1000	46.0	50.0	-8.0	50.0
Dichlorofluoromethane	Ave	1.866	1.874		50.2	50.0	0.4	20.0
Trichlorofluoromethane	Ave	2.013	2.272	0.1000	56.4	50.0	12.9	20.0
Ethyl ether	Ave	0.8690	0.7897		45.4	50.0	-9.1	20.0
Acrolein	Ave	0.2116	0.2038		241	250	-3.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.277	1.314	0.1000	51.4	50.0	2.9	20.0
1,1-Dichloroethene	Ave	1.235	1.217	0.1000	49.3	50.0	-1.4	20.0
Acetone	Lin1		0.4863	0.1000	299	250	19.7	50.0
Iodomethane	Ave	2.300	2.326		50.6	50.0	1.1	20.0
Carbon disulfide	Ave	4.496	4.471	0.1000	49.7	50.0	-0.6	20.0
Methyl acetate	Ave	0.8326	0.8864	0.1000	266	250	6.5	50.0
Allyl chloride	Ave	1.863	1.854		49.8	50.0	-0.5	20.0
Methylene Chloride	Lin1		1.487	0.1000	50.0	50.0	-0.0	20.0
2-Methyl-2-propanol	Ave	0.1444	0.1552		537	500	7.4	50.0
Methyl tert-butyl ether	Ave	4.434	4.725	0.1000	53.3	50.0	6.6	20.0
trans-1,2-Dichloroethene	Ave	1.423	1.422	0.1000	50.0	50.0	-0.0	20.0
Acrylonitrile	Ave	0.4186	0.4163		497	500	-0.6	20.0
Hexane	Lin1		2.078		52.1	50.0	4.3	20.0
Vinyl acetate	Ave	2.443	2.597		106	100	6.3	20.0
1,1-Dichloroethane	Ave	2.417	2.425	0.2000	50.2	50.0	0.3	20.0
2,2-Dichloropropane	Ave	2.349	2.617		55.7	50.0	11.4	20.0
2-Butanone (MEK)	Ave	0.5496	0.6212	0.1000	283	250	13.0	20.0
cis-1,2-Dichloroethene	Ave	1.552	1.546	0.1000	49.8	50.0	-0.4	20.0
Chlorobromomethane	Ave	0.6985	0.7200		51.5	50.0	3.1	20.0
Tetrahydrofuran	Ave	0.3571	0.3749		105	100	5.0	20.0
Chloroform	Ave	2.637	2.799	0.2000	53.1	50.0	6.1	20.0
1,1,1-Trichloroethane	Ave	2.325	2.604	0.1000	56.0	50.0	12.0	20.0
Cyclohexane	Ave	2.232	2.142	0.1000	48.0	50.0	-4.0	20.0
1,1-Dichloropropene	Ave	2.081	2.188		52.6	50.0	5.1	20.0
Carbon tetrachloride	Ave	1.983	2.255	0.1000	56.9	50.0	13.8	20.0
Isobutyl alcohol	Ave	0.0519	0.0525		1270	1250	1.3	50.0
Benzene	Ave	5.571	5.594	0.5000	50.2	50.0	0.4	20.0
1,2-Dichloroethane	Ave	2.032	2.270	0.1000	55.9	50.0	11.7	20.0
n-Heptane	Ave	2.054	1.925		46.9	50.0	-6.3	20.0
Trichloroethene	Ave	1.487	1.569	0.2000	52.7	50.0	5.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306490/3 Calibration Date: 06/13/2016 22:44

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7175.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.615	2.650	0.1000	50.7	50.0	1.3	20.0
1,2-Dichloropropane	Ave	1.250	1.229	0.1000	49.2	50.0	-1.7	20.0
1,4-Dioxane	Ave	0.0044	0.0053		1200	1000	19.9	50.0
Dibromomethane	Ave	0.8590	0.9216	0.1000	53.6	50.0	7.3	20.0
Bromodichloromethane	Ave	1.928	2.087	0.2000	54.1	50.0	8.2	20.0
2-Chloroethyl vinyl ether	Ave	0.6872	0.7007		51.0	50.0	2.0	20.0
cis-1,3-Dichloropropene	Ave	2.388	2.456	0.2000	51.4	50.0	2.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5465	0.5596	0.1000	256	250	2.4	20.0
Toluene	Ave	1.733	1.673	0.4000	48.3	50.0	-3.5	20.0
Ethyl methacrylate	Ave	0.8622	0.8741		50.7	50.0	1.4	20.0
trans-1,3-Dichloropropene	Ave	1.057	1.086	0.1000	51.4	50.0	2.8	20.0
1,1,2-Trichloroethane	Ave	0.4927	0.4833	0.1000	49.1	50.0	-1.9	20.0
Tetrachloroethene	Ave	0.7507	0.7428	0.2000	49.5	50.0	-1.1	20.0
1,3-Dichloropropane	Ave	1.038	1.030		49.6	50.0	-0.8	20.0
2-Hexanone	Ave	0.4135	0.4268	0.1000	258	250	3.2	20.0
Dibromochloromethane	Ave	0.6424	0.6761	0.1000	52.6	50.0	5.2	20.0
1,2-Dibromoethane	Ave	0.6015	0.6118		50.9	50.0	1.7	20.0
Chlorobenzene	Ave	1.842	1.773	0.5000	48.1	50.0	-3.8	20.0
Ethylbenzene	Ave	3.237	3.181	0.1000	49.1	50.0	-1.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6632	0.6852		51.7	50.0	3.3	20.0
m,p-Xylene	Ave	1.260	1.209	0.1000	47.9	50.0	-4.1	20.0
o-Xylene	Ave	1.219	1.170	0.3000	48.0	50.0	-4.0	20.0
Styrene	Ave	2.078	1.968	0.3000	47.4	50.0	-5.3	20.0
Bromoform	Ave	0.3962	0.4087	0.1000	51.6	50.0	3.2	50.0
Isopropylbenzene	Ave	3.461	3.540	0.1000	51.1	50.0	2.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.8752	0.3000	52.0	50.0	3.9	20.0
Bromobenzene	Ave	0.9158	0.9069		49.5	50.0	-1.0	20.0
N-Propylbenzene	Ave	4.126	4.181		50.7	50.0	1.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2823	0.3151		55.8	50.0	11.6	50.0
1,2,3-Trichloropropane	Ave	0.2704	0.2892		53.5	50.0	7.0	20.0
2-Chlorotoluene	Ave	0.8109	0.7846		48.4	50.0	-3.2	20.0
1,3,5-Trimethylbenzene	Ave	2.992	3.062		51.2	50.0	2.3	20.0
4-Chlorotoluene	Ave	0.8467	0.8517		50.3	50.0	0.6	20.0
tert-Butylbenzene	Ave	0.6676	0.6791		50.9	50.0	1.7	20.0
1,2,4-Trimethylbenzene	Ave	3.030	3.126		51.6	50.0	3.2	20.0
sec-Butylbenzene	Ave	3.698	3.760		50.8	50.0	1.7	20.0
4-Isopropyltoluene	Ave	3.181	3.257		51.2	50.0	2.4	20.0
1,3-Dichlorobenzene	Ave	1.742	1.756	0.6000	50.4	50.0	0.8	20.0
1,4-Dichlorobenzene	Ave	1.774	1.803	0.5000	50.8	50.0	1.6	20.0
n-Butylbenzene	Ave	2.918	3.027		51.9	50.0	3.7	20.0
1,2-Dichlorobenzene	Ave	1.627	1.631	0.4000	50.1	50.0	0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306490/3 Calibration Date: 06/13/2016 22:44

Instrument ID: HP5973F Calib Start Date: 06/08/2016 13:08

GC Column: ZB-624 (30) ID: 0.25(mm) Calib End Date: 06/08/2016 15:42

Lab File ID: F7175.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1657	0.1877	0.0500	56.6	50.0	13.3	50.0
1,2,4-Trichlorobenzene	Ave	1.082	1.085	0.2000	50.1	50.0	0.3	20.0
Hexachlorobutadiene	Ave	0.6408	0.6652		51.9	50.0	3.8	20.0
Naphthalene	Ave	2.520	2.564		50.9	50.0	1.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9920	0.9912		50.0	50.0	-0.0	20.0
Dibromofluoromethane (Surr)	Ave	1.145	1.188		51.8	50.0	3.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7222	0.7685		53.2	50.0	6.4	20.0
Toluene-d8 (Surr)	Ave	2.162	2.038		47.1	50.0	-5.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6957	0.6842		49.2	50.0	-1.7	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7175.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Jun-2016 22:44:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054007-003
Operator ID: NMD Instrument ID: HP5973F
Sublist: chrom-F-8260 SOIL*sub27

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 23:40:47 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 23:40:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	193355	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	412783	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	359971	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.756	4.756	0.000	92	229665	50.0	51.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	148597	50.0	53.2	
$ 5 Toluene-d8 (Surr)	98	6.648	6.648	0.000	93	841264	50.0	47.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	282409	50.0	49.2	
10 Dichlorodifluoromethane	85	1.848	1.848	0.000	99	381037	50.0	63.0	
12 Chloromethane	50	2.012	2.012	0.000	99	183730	50.0	45.4	
13 Vinyl chloride	62	2.115	2.115	0.000	98	190162	50.0	45.9	
151 Butadiene	54	2.121	2.121	0.000	96	171038	50.0	45.4	
14 Bromomethane	94	2.395	2.395	0.000	93	146681	50.0	46.7	
15 Chloroethane	64	2.462	2.462	0.000	98	107371	50.0	46.0	
16 Dichlorofluoromethane	67	2.620	2.620	0.000	97	362292	50.0	50.2	
17 Trichlorofluoromethane	101	2.645	2.645	0.000	99	439329	50.0	56.4	
18 Ethyl ether	59	2.833	2.833	0.000	89	152685	50.0	45.4	
20 Acrolein	56	2.991	2.991	0.000	99	197031	250.0	240.8	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.022	0.000	93	253977	50.0	51.4	
22 1,1-Dichloroethene	96	3.046	3.046	0.000	98	235276	50.0	49.3	
23 Acetone	43	3.101	3.101	0.000	99	470146	250.0	299.3	
25 Iodomethane	142	3.198	3.198	0.000	98	449790	50.0	50.6	
26 Carbon disulfide	76	3.253	3.253	0.000	99	864426	50.0	49.7	
27 Methyl acetate	43	3.314	3.314	0.000	95	856974	250.0	266.2	
28 3-Chloro-1-propene	41	3.320	3.320	0.000	89	358521	50.0	49.8	
30 Methylene Chloride	84	3.429	3.429	0.000	87	287446	50.0	50.0	
31 2-Methyl-2-propanol	59	3.478	3.478	0.000	100	299999	500.0	537.1	
32 Methyl tert-butyl ether	73	3.569	3.569	0.000	93	913611	50.0	53.3	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	98	275042	50.0	50.0	
33 Acrylonitrile	53	3.624	3.624	0.000	97	804891	500.0	497.2	
35 Hexane	57	3.746	3.746	0.000	93	401701	50.0	52.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
37 Vinyl acetate	43	3.922	3.922	0.000	97	1004296	100.0	106.3	
39 1,1-Dichloroethane	63	3.934	3.934	0.000	97	468837	50.0	50.2	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	76	506009	50.0	55.7	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	97	600576	250.0	282.6	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	84	298900	50.0	49.8	
48 Chlorobromomethane	128	4.591	4.591	0.000	91	139209	50.0	51.5	
49 Tetrahydrofuran	42	4.610	4.610	0.000	79	144989	100.0	105.0	
50 Chloroform	83	4.622	4.622	0.000	94	541232	50.0	53.1	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	503435	50.0	56.0	
52 Cyclohexane	56	4.792	4.792	0.000	87	414218	50.0	48.0	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	96	422971	50.0	52.6	
55 Carbon tetrachloride	117	4.889	4.889	0.000	97	436098	50.0	56.9	
53 Isobutyl alcohol	43	4.944	4.944	0.000	92	253870	1250.0	1265.8	
57 Benzene	78	5.066	5.066	0.000	96	1081676	50.0	50.2	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	438934	50.0	55.9	
59 n-Heptane	43	5.163	5.163	0.000	86	372224	50.0	46.9	
62 Trichloroethene	95	5.583	5.583	0.000	97	303404	50.0	52.7	
64 Methylcyclohexane	83	5.723	5.723	0.000	87	512305	50.0	50.7	
65 1,2-Dichloropropane	63	5.802	5.802	0.000	89	237683	50.0	49.2	
66 1,4-Dioxane	88	5.905	5.905	0.000	85	43601	1000.0	1199.2	M
67 Dibromomethane	93	5.930	5.930	0.000	96	178204	50.0	53.6	
68 Dichlorobromomethane	83	6.039	6.039	0.000	99	403456	50.0	54.1	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	135484	50.0	51.0	
72 cis-1,3-Dichloropropene	75	6.416	6.416	0.000	95	474895	50.0	51.4	
73 4-Methyl-2-pentanone (MIBK	43	6.520	6.520	0.000	94	1154984	250.0	256.0	
74 Toluene	92	6.714	6.714	0.000	98	690730	50.0	48.3	
77 trans-1,3-Dichloropropene	75	6.933	6.933	0.000	96	448270	50.0	51.4	
75 Ethyl methacrylate	69	6.933	6.933	0.000	86	360828	50.0	50.7	
79 1,1,2-Trichloroethane	83	7.134	7.134	0.000	94	199513	50.0	49.1	
81 Tetrachloroethene	166	7.232	7.232	0.000	96	306600	50.0	49.5	
82 1,3-Dichloropropane	76	7.292	7.292	0.000	97	425038	50.0	49.6	
80 2-Hexanone	43	7.311	7.311	0.000	93	880821	250.0	258.0	
83 Chlorodibromomethane	129	7.536	7.536	0.000	89	279078	50.0	52.6	
84 Ethylene Dibromide	107	7.664	7.664	0.000	98	252558	50.0	50.9	
87 Chlorobenzene	112	8.114	8.114	0.000	92	731656	50.0	48.1	
88 Ethylbenzene	91	8.181	8.181	0.000	98	1312881	50.0	49.1	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	92	282854	50.0	51.7	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	498928	50.0	47.9	
91 o-Xylene	106	8.728	8.728	0.000	96	482982	50.0	48.0	
92 Styrene	104	8.746	8.746	0.000	92	812388	50.0	47.4	
95 Bromoform	173	9.020	9.020	0.000	96	168712	50.0	51.6	
94 Isopropylbenzene	105	9.093	9.093	0.000	97	1274137	50.0	51.1	
101 Bromobenzene	156	9.483	9.483	0.000	94	326445	50.0	49.5	
97 1,1,2,2-Tetrachloroethane	83	9.483	9.483	0.000	75	315043	50.0	52.0	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	62	113416	50.0	55.8	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	1504932	50.0	50.7	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	83	104110	50.0	53.5	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	282437	50.0	48.4	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1102319	50.0	51.2	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	306570	50.0	50.3	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	244464	50.0	50.9	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	1125359	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1353607	50.0	50.8	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	95	1172400	50.0	51.2	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	631936	50.0	50.4	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	648901	50.0	50.8	
115 n-Butylbenzene	91	10.730	10.730	0.000	97	1089474	50.0	51.9	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	587118	50.0	50.1	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	88	67579	50.0	56.6	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	94	390661	50.0	50.1	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	239452	50.0	51.9	
121 Naphthalene	128	12.354	12.354	0.000	97	923038	50.0	50.9	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	95	356802	50.0	50.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00075	Amount Added:	25.00	Units: uL	
GAS CORP mix_00160	Amount Added:	25.00	Units: uL	
F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

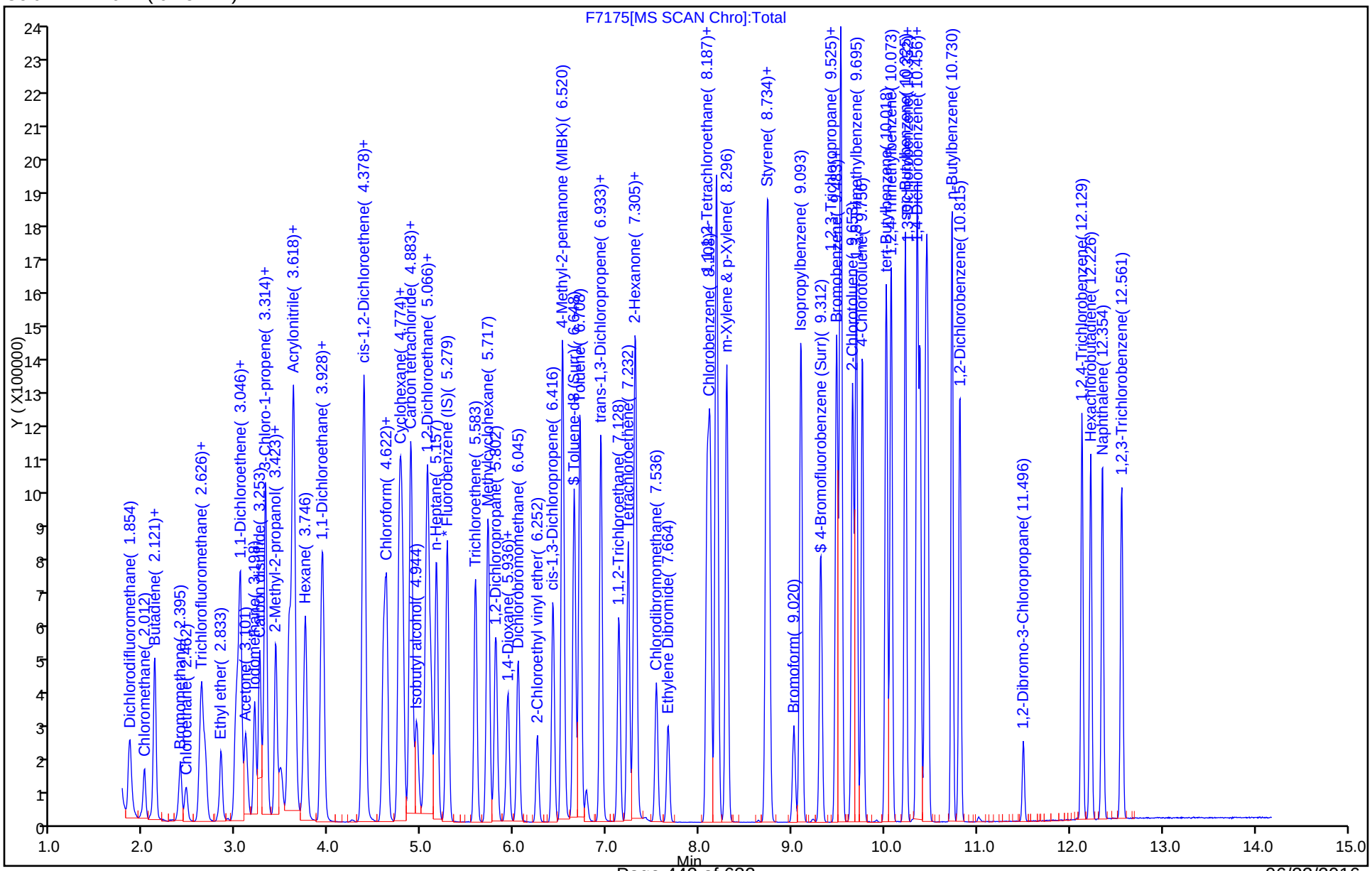
Report Date: 13-Jun-2016 23:40:49 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7175.D

Injection Date:	13-Jun-2016 22:44:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

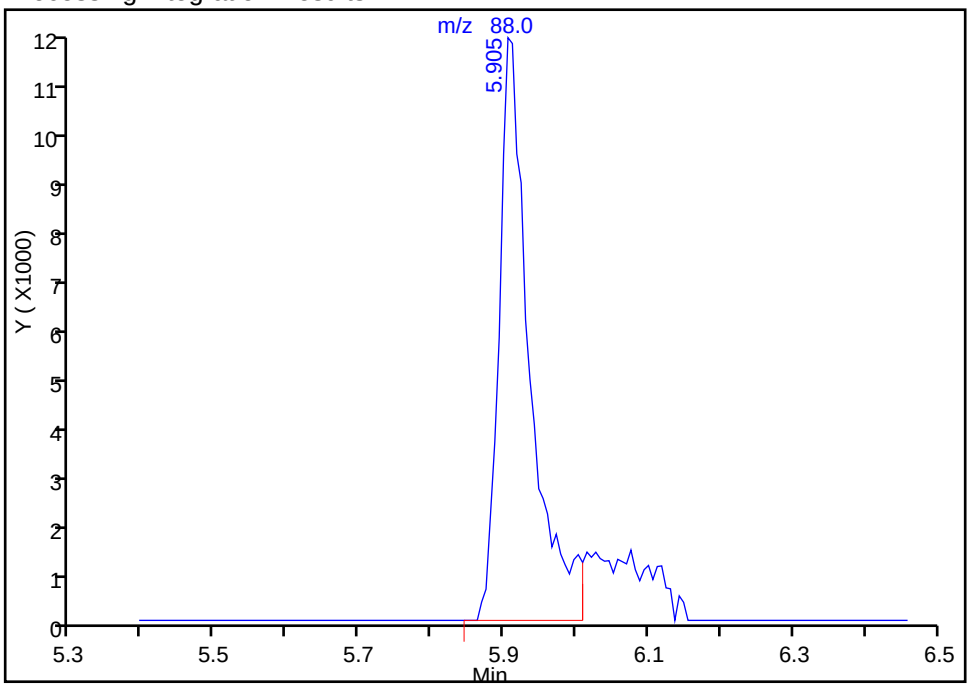
Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7175.D
Injection Date: 13-Jun-2016 22:44:30 Instrument ID: HP5973F
Lims ID: CCVIS
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

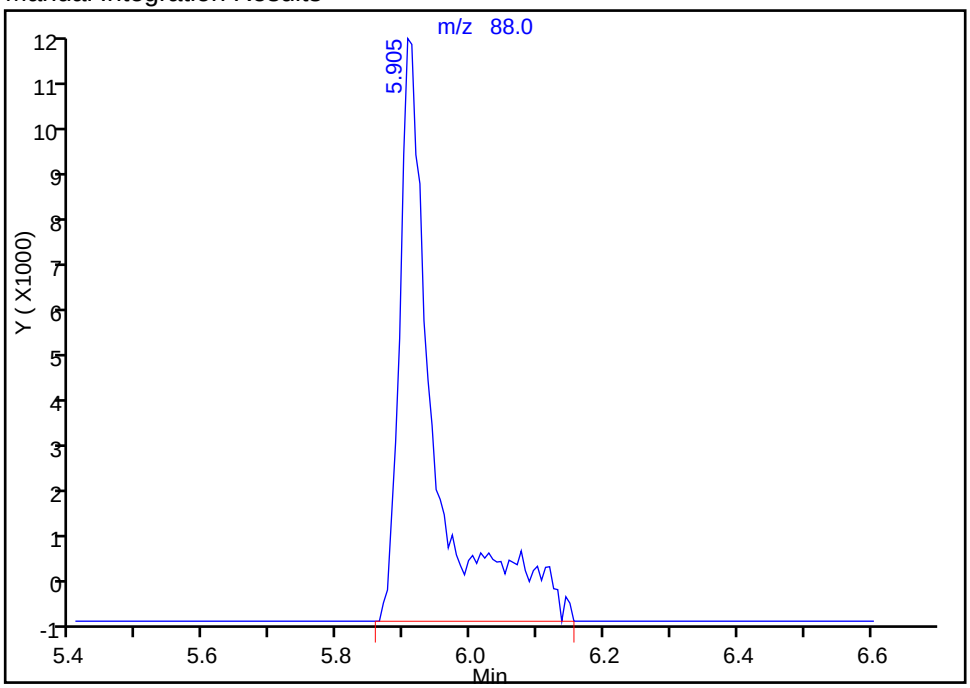
Processing Integration Results

RT: 5.91
Area: 35241
Amount: 969.2387
Amount Units: ug/kg



Manual Integration Results

RT: 5.91
Area: 43601
Amount: 1199.1651
Amount Units: ug/kg



Reviewer: diasn, 13-Jun-2016 23:40:47
Audit Action: Manually Integrated Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306479/3 Calibration Date: 06/13/2016 22:43

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4576.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.040	0.6372	0.1000	15.3	25.0	-38.7	50.0
Chloromethane	Ave	1.909	1.568	0.1000	20.5	25.0	-17.9	20.0
Vinyl chloride	Ave	1.452	1.256	0.1000	21.6	25.0	-13.5	20.0
Butadiene	Ave	1.611	1.565		24.3	25.0	-2.9	20.0
Bromomethane	Ave	0.6973	0.5919	0.1000	21.2	25.0	-15.1	50.0
Chloroethane	Ave	0.8099	0.7546	0.1000	23.3	25.0	-6.8	50.0
Dichlorofluoromethane	Ave	1.809	1.666		23.0	25.0	-7.9	20.0
Trichlorofluoromethane	Ave	1.254	1.482	0.1000	29.6	25.0	18.2	20.0
Ethyl ether	Ave	1.464	1.443		24.6	25.0	-1.5	20.0
Acrolein	Ave	0.3243	0.1192		46.0	125	-63.2*	50.0
1,1-Dichloroethene	Ave	1.025	1.077	0.1000	26.3	25.0	5.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.8800	1.106	0.1000	31.4	25.0	25.7*	20.0
Acetone	Ave	0.5123	0.5062	0.1000	124	125	-1.2	50.0
Iodomethane	Ave	1.589	1.623		25.5	25.0	2.2	20.0
Carbon disulfide	Ave	3.399	3.537	0.1000	26.0	25.0	4.1	20.0
Allyl chloride	Ave	2.477	2.672		27.0	25.0	7.9	20.0
Methyl acetate	Ave	1.315	1.562	0.1000	148	125	18.7	50.0
Methylene Chloride	Lin1		1.276	0.1000	26.1	25.0	4.3	20.0
2-Methyl-2-propanol	Ave	0.1779	0.2214		311	250	24.4	50.0
Methyl tert-butyl ether	Ave	3.819	3.926	0.1000	25.7	25.0	2.8	20.0
trans-1,2-Dichloroethene	Ave	1.118	1.176	0.1000	26.3	25.0	5.2	20.0
Acrylonitrile	Ave	0.6903	0.8190		297	250	18.7	20.0
Hexane	Ave	2.069	2.596		31.4	25.0	25.5*	20.0
1,1-Dichloroethane	Ave	2.365	2.587	0.2000	27.3	25.0	9.4	20.0
Vinyl acetate	Ave	3.200	3.841		60.0	50.0	20.0	20.0
2,2-Dichloropropane	Ave	1.101	1.047		23.8	25.0	-4.8	20.0
cis-1,2-Dichloroethene	Ave	1.323	1.354	0.1000	25.6	25.0	2.4	20.0
2-Butanone (MEK)	Ave	0.7773	0.8781	0.1000	141	125	13.0	20.0
Chlorobromomethane	Ave	0.5760	0.6346		27.5	25.0	10.2	20.0
Tetrahydrofuran	Ave	0.5604	0.6511		58.1	50.0	16.2	20.0
Chloroform	Ave	1.989	2.093	0.2000	26.3	25.0	5.2	20.0
1,1,1-Trichloroethane	Ave	1.449	1.738	0.1000	30.0	25.0	19.9	20.0
Cyclohexane	Ave	2.345	2.985	0.1000	31.8	25.0	27.3*	20.0
Carbon tetrachloride	Ave	1.218	1.543	0.1000	31.7	25.0	26.7*	20.0
1,1-Dichloropropene	Ave	1.479	1.694		28.6	25.0	14.5	20.0
Isobutyl alcohol	Ave	0.0798	0.1016		796	625	27.3	50.0
Benzene	Ave	4.596	4.928	0.5000	26.8	25.0	7.2	20.0
1,2-Dichloroethane	Ave	1.801	1.915	0.1000	26.6	25.0	6.3	20.0
n-Heptane	Ave	2.051	2.699		32.9	25.0	31.6*	20.0
Trichloroethene	Ave	1.077	1.233	0.2000	28.6	25.0	14.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306479/3 Calibration Date: 06/13/2016 22:43

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4576.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.891	2.150	0.1000	28.4	25.0	13.7	20.0
1,2-Dichloropropane	Ave	1.258	1.396	0.1000	27.7	25.0	11.0	20.0
Dibromomethane	Ave	0.6821	0.7251	0.1000	26.6	25.0	6.3	20.0
1,4-Dioxane	Ave	0.0039	0.0048		617	500	23.3	50.0
Bromodichloromethane	Ave	1.432	1.533	0.2000	26.8	25.0	7.1	20.0
2-Chloroethyl vinyl ether	Ave	0.7524	0.9075		30.2	25.0	20.6*	20.0
cis-1,3-Dichloropropene	Ave	1.853	1.985	0.2000	26.8	25.0	7.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1912	0.2088	0.1000	137	125	9.2	20.0
Toluene	Ave	0.8667	0.8873	0.4000	25.6	25.0	2.4	20.0
trans-1,3-Dichloropropene	Ave	0.5103	0.5142	0.1000	25.2	25.0	0.8	20.0
Ethyl methacrylate	Ave	0.4362	0.4554		26.1	25.0	4.4	20.0
1,1,2-Trichloroethane	Ave	0.2436	0.2544	0.1000	26.1	25.0	4.4	20.0
Tetrachloroethene	Ave	0.3128	0.3365	0.2000	26.9	25.0	7.6	20.0
1,3-Dichloropropane	Ave	0.5210	0.5425		26.0	25.0	4.1	20.0
2-Hexanone	Ave	0.2875	0.3496	0.1000	152	125	21.6*	20.0
Dibromochloromethane	Ave	0.3053	0.3371	0.1000	27.6	25.0	10.4	20.0
1,2-Dibromoethane	Ave	0.3012	0.3094		25.7	25.0	2.7	20.0
Chlorobenzene	Ave	0.8860	0.9072	0.5000	25.6	25.0	2.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3042	0.3178		26.1	25.0	4.5	20.0
Ethylbenzene	Ave	1.646	1.587	0.1000	24.1	25.0	-3.6	20.0
m,p-Xylene	Lin1		0.6351	0.1000	25.9	25.0	3.7	20.0
o-Xylene	Ave	0.6600	0.6180	0.3000	23.4	25.0	-6.4	20.0
Styrene	Ave	0.9938	0.9924	0.3000	25.0	25.0	-0.1	20.0
Bromoform	Ave	0.1825	0.2079	0.1000	28.5	25.0	13.9	50.0
Isopropylbenzene	Ave	3.204	3.283	0.1000	25.6	25.0	2.5	20.0
Bromobenzene	Ave	0.7361	0.7608		25.8	25.0	3.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8823	0.8259	0.3000	23.4	25.0	-6.4	20.0
1,2,3-Trichloropropane	Ave	0.2641	0.2699		25.5	25.0	2.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3459	0.3587		25.9	25.0	3.7	50.0
N-Propylbenzene	Ave	3.786	3.809		25.2	25.0	0.6	20.0
2-Chlorotoluene	Ave	0.7405	0.6905		23.3	25.0	-6.8	20.0
1,3,5-Trimethylbenzene	Ave	2.749	2.663		24.2	25.0	-3.1	20.0
4-Chlorotoluene	Ave	2.807	2.697		24.0	25.0	-3.9	20.0
tert-Butylbenzene	Ave	0.5681	0.5684		25.0	25.0	0.0	20.0
1,2,4-Trimethylbenzene	Ave	2.853	2.755		24.1	25.0	-3.4	20.0
sec-Butylbenzene	Ave	3.436	3.429		24.9	25.0	-0.2	20.0
1,3-Dichlorobenzene	Ave	1.467	1.384	0.6000	23.6	25.0	-5.7	20.0
4-Isopropyltoluene	Ave	2.867	2.830		24.7	25.0	-1.3	20.0
1,4-Dichlorobenzene	Ave	1.460	1.364	0.5000	23.4	25.0	-6.6	20.0
n-Butylbenzene	Ave	2.692	2.642		24.5	25.0	-1.9	20.0
1,2-Dichlorobenzene	Ave	1.399	1.345	0.4000	24.0	25.0	-3.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306479/3 Calibration Date: 06/13/2016 22:43

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4576.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1696	0.1555	0.0500	22.9	25.0	-8.3	50.0
1,2,4-Trichlorobenzene	Ave	0.9498	0.9658	0.2000	25.4	25.0	1.7	20.0
Hexachlorobutadiene	Ave	0.4845	0.4910		25.3	25.0	1.3	20.0
Naphthalene	Ave	2.550	2.344		23.0	25.0	-8.1	20.0
1,2,3-Trichlorobenzene	Ave	0.8497	0.8652		25.5	25.0	1.8	20.0
Dibromofluoromethane (Surr)	Ave	1.153	1.014		22.0	25.0	-12.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.511	1.383		22.9	25.0	-8.5	20.0
Toluene-d8 (Surr)	Ave	1.386	1.242		22.4	25.0	-10.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3770	0.4224		28.0	25.0	12.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4576.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Jun-2016 22:43:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054004-003
Operator ID: GF Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 23:15:02 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: fortaing Date: 13-Jun-2016 23:15:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	94323	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.557	0.000	88	322971	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	156173	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.962	4.962	0.000	57	95653	25.0	22.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	130445	25.0	22.9	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	95	401104	25.0	22.4	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	89	136416	25.0	28.0	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	98	60102	25.0	15.3	
13 Chloromethane	50	1.549	1.549	0.000	99	147879	25.0	20.5	
14 Vinyl chloride	62	1.665	1.665	0.000	97	118449	25.0	21.6	
144 Butadiene	54	1.683	1.683	0.000	88	147589	25.0	24.3	
15 Bromomethane	94	1.963	1.963	0.000	92	55830	25.0	21.2	
16 Chloroethane	64	2.078	2.078	0.000	99	71177	25.0	23.3	
17 Dichlorofluoromethane	67	2.291	2.291	0.000	97	157174	25.0	23.0	
18 Trichlorofluoromethane	101	2.328	2.328	0.000	88	139793	25.0	29.6	
19 Ethyl ether	59	2.589	2.589	0.000	97	136073	25.0	24.6	
20 Acrolein	56	2.742	2.742	0.000	99	56226	125.0	46.0	
22 1,1-Dichloroethene	96	2.802	2.802	0.000	92	101560	25.0	26.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.821	2.821	0.000	95	104335	25.0	31.4	
23 Acetone	43	2.900	2.900	0.000	100	238725	125.0	123.5	
24 Iodomethane	142	2.954	2.954	0.000	100	153121	25.0	25.5	
25 Carbon disulfide	76	3.003	3.003	0.000	100	333667	25.0	26.0	
27 3-Chloro-1-propene	41	3.167	3.167	0.000	93	252060	25.0	27.0	
28 Methyl acetate	43	3.204	3.204	0.000	100	736494	125.0	148.4	
30 Methylene Chloride	84	3.301	3.301	0.000	95	120323	25.0	26.1	
31 2-Methyl-2-propanol	59	3.459	3.459	0.000	100	208812	250.0	311.1	
32 Methyl tert-butyl ether	73	3.532	3.532	0.000	97	370308	25.0	25.7	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	93	110968	25.0	26.3	
34 Acrylonitrile	53	3.563	3.563	0.000	100	772534	250.0	296.6	
35 Hexane	57	3.764	3.764	0.000	91	244864	25.0	31.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	97	244020	25.0	27.3	
39 Vinyl acetate	43	4.007	4.007	0.000	96	724639	50.0	60.0	
42 2,2-Dichloropropane	77	4.481	4.481	0.000	90	98796	25.0	23.8	
43 cis-1,2-Dichloroethene	96	4.506	4.506	0.000	85	127743	25.0	25.6	
44 2-Butanone (MEK)	43	4.524	4.524	0.000	98	414120	125.0	141.2	
47 Chlorobromomethane	128	4.737	4.737	0.000	90	59856	25.0	27.5	
49 Tetrahydrofuran	42	4.767	4.767	0.000	93	122826	50.0	58.1	
50 Chloroform	83	4.810	4.810	0.000	95	197450	25.0	26.3	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	163950	25.0	30.0	
52 Cyclohexane	56	4.968	4.968	0.000	91	281587	25.0	31.8	
53 Carbon tetrachloride	117	5.090	5.090	0.000	78	145581	25.0	31.7	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	93	159788	25.0	28.6	
56 Isobutyl alcohol	43	5.278	5.278	0.000	96	239643	625.0	795.7	
55 Benzene	78	5.297	5.297	0.000	97	464809	25.0	26.8	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	96	180597	25.0	26.6	
59 n-Heptane	43	5.503	5.503	0.000	95	254589	25.0	32.9	
60 Trichloroethene	95	5.905	5.905	0.000	97	116307	25.0	28.6	
62 Methylcyclohexane	83	6.051	6.051	0.000	97	202825	25.0	28.4	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	95	131643	25.0	27.7	
64 Dibromomethane	93	6.264	6.264	0.000	95	68389	25.0	26.6	
66 1,4-Dioxane	88	6.282	6.282	0.000	78	31061	500.0	616.6	
67 Dichlorobromomethane	83	6.422	6.422	0.000	98	144551	25.0	26.8	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	90	85599	25.0	30.2	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	93	187190	25.0	26.8	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	337207	125.0	136.5	
73 Toluene	92	7.146	7.146	0.000	98	286579	25.0	25.6	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	95	166056	25.0	25.2	
77 Ethyl methacrylate	69	7.462	7.462	0.000	96	147069	25.0	26.1	
78 1,1,2-Trichloroethane	83	7.596	7.596	0.000	94	82164	25.0	26.1	
79 Tetrachloroethene	166	7.687	7.687	0.000	94	108681	25.0	26.9	
80 1,3-Dichloropropane	76	7.754	7.754	0.000	97	175211	25.0	26.0	
82 2-Hexanone	43	7.821	7.821	0.000	98	564554	125.0	152.0	
83 Chlorodibromomethane	129	7.992	7.992	0.000	89	108881	25.0	27.6	
84 Ethylene Dibromide	107	8.101	8.101	0.000	97	99918	25.0	25.7	
85 Chlorobenzene	112	8.588	8.588	0.000	93	292983	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	94	102645	25.0	26.1	
88 Ethylbenzene	91	8.685	8.685	0.000	98	512538	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.813	8.813	0.000	0	205103	25.0	25.9	
91 o-Xylene	106	9.239	9.239	0.000	97	199609	25.0	23.4	
92 Styrene	104	9.263	9.263	0.000	94	320502	25.0	25.0	
93 Bromoform	173	9.494	9.494	0.000	97	67156	25.0	28.5	
95 Isopropylbenzene	105	9.622	9.622	0.000	97	512779	25.0	25.6	
97 Bromobenzene	156	9.957	9.957	0.000	97	118808	25.0	25.8	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	94	128975	25.0	23.4	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	66	42146	25.0	25.5	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	40	56022	25.0	25.9	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	594836	25.0	25.2	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	107833	25.0	23.3	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	96	415940	25.0	24.2	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	421169	25.0	24.0	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	88769	25.0	25.0	
108 1,2,4-Trimethylbenzene	105	10.583	10.583	0.000	98	430236	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.748	10.748	0.000	95	535450	25.0	24.9	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	97	216073	25.0	23.6	
111 4-Isopropyltoluene	119	10.881	10.881	0.000	97	441934	25.0	24.7	
113 1,4-Dichlorobenzene	146	10.954	10.954	0.000	92	213073	25.0	23.4	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	412569	25.0	24.5	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	96	209992	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.025	0.000	82	24282	25.0	22.9	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	93	150825	25.0	25.4	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	97	76681	25.0	25.3	
121 Naphthalene	128	12.925	12.925	0.000	97	366066	25.0	23.0	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	94	135119	25.0	25.5	

Reagents:

8260 CORP mix_00075	Amount Added: 12.50	Units: uL	
GAS CORP mix_00160	Amount Added: 12.50	Units: uL	
N_8260_Surr_00189	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added: 1.00	Units: uL	Run Reagent

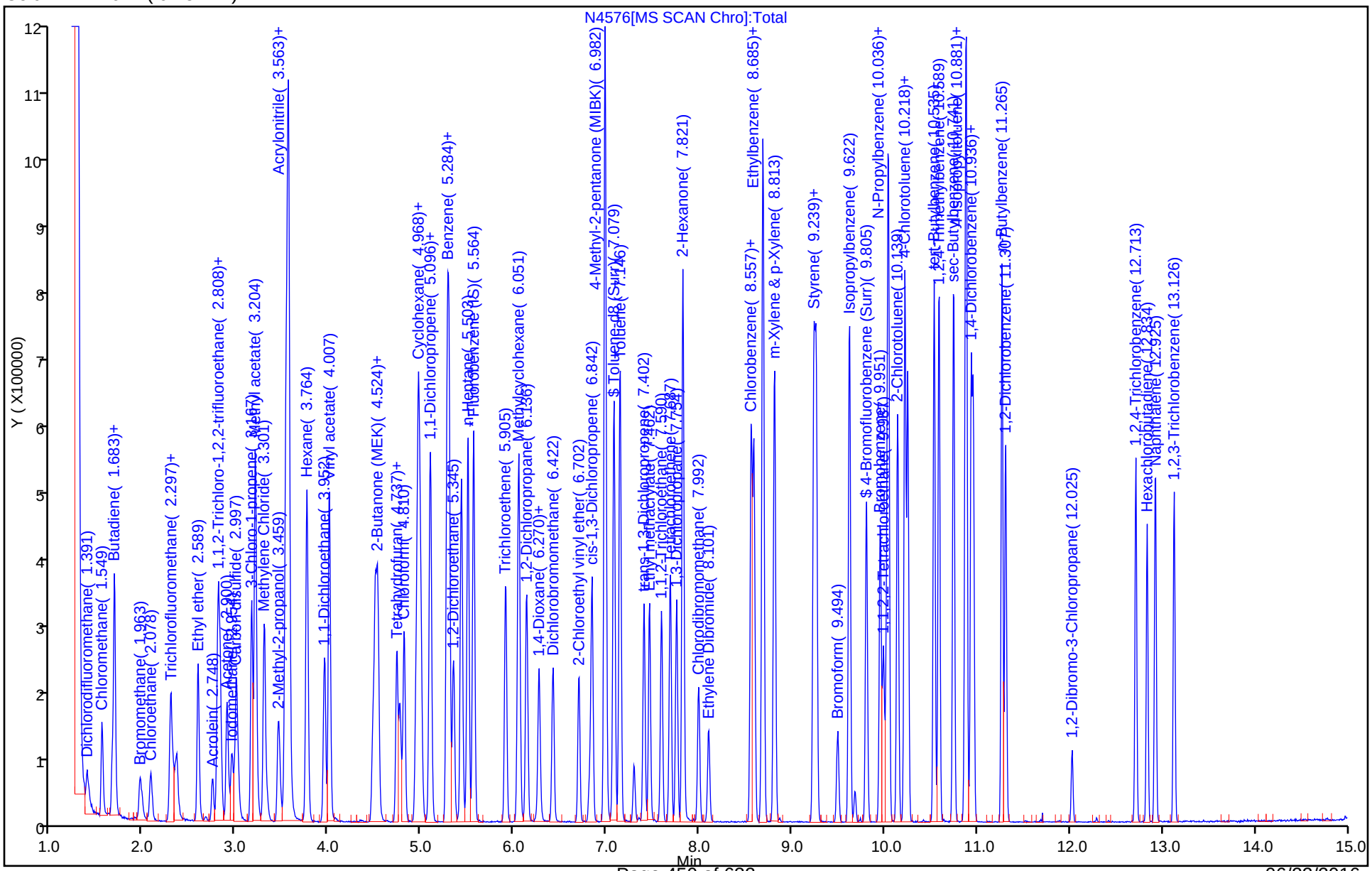
Report Date: 13-Jun-2016 23:15:03 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4576.D

Injection Date:	13-Jun-2016 22:43:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306573/2 Calibration Date: 06/14/2016 09:58

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4601.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.040	1.273	0.1000	30.6	25.0	22.4	50.0
Chloromethane	Ave	1.909	1.995	0.1000	26.1	25.0	4.5	20.0
Vinyl chloride	Ave	1.452	1.641	0.1000	28.3	25.0	13.0	20.0
Butadiene	Ave	1.611	1.942		30.1	25.0	20.5*	20.0
Bromomethane	Ave	0.6973	0.7990	0.1000	28.6	25.0	14.6	50.0
Chloroethane	Ave	0.8099	0.9395	0.1000	29.0	25.0	16.0	50.0
Dichlorofluoromethane	Ave	1.809	1.951		27.0	25.0	7.9	20.0
Trichlorofluoromethane	Ave	1.254	1.495	0.1000	29.8	25.0	19.3	20.0
Ethyl ether	Ave	1.464	1.346		23.0	25.0	-8.1	20.0
Acrolein	Ave	0.3243	0.1197		46.1	125	-63.1*	50.0
1,1-Dichloroethene	Ave	1.025	0.9933	0.1000	24.2	25.0	-3.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.8800	1.007	0.1000	28.6	25.0	14.4	20.0
Acetone	Ave	0.5123	0.4792	0.1000	117	125	-6.5	50.0
Iodomethane	Ave	1.589	1.607		25.3	25.0	1.1	20.0
Carbon disulfide	Ave	3.399	3.345	0.1000	24.6	25.0	-1.6	20.0
Allyl chloride	Ave	2.477	2.357		23.8	25.0	-4.8	20.0
Methyl acetate	Ave	1.315	1.268	0.1000	121	125	-3.6	50.0
Methylene Chloride	Lin1		1.252	0.1000	25.6	25.0	2.3	20.0
2-Methyl-2-propanol	Ave	0.1779	0.1525		214	250	-14.3	50.0
Methyl tert-butyl ether	Ave	3.819	3.689	0.1000	24.1	25.0	-3.4	20.0
trans-1,2-Dichloroethene	Ave	1.118	1.151	0.1000	25.7	25.0	3.0	20.0
Acrylonitrile	Ave	0.6903	0.6590		239	250	-4.5	20.0
Hexane	Ave	2.069	2.378		28.7	25.0	14.9	20.0
1,1-Dichloroethane	Ave	2.365	2.359	0.2000	24.9	25.0	-0.3	20.0
Vinyl acetate	Ave	3.200	3.239		50.6	50.0	1.2	20.0
2,2-Dichloropropane	Ave	1.101	1.141		25.9	25.0	3.7	20.0
cis-1,2-Dichloroethene	Ave	1.323	1.225	0.1000	23.1	25.0	-7.4	20.0
2-Butanone (MEK)	Ave	0.7773	0.7639	0.1000	123	125	-1.7	20.0
Chlorobromomethane	Ave	0.5760	0.5682		24.7	25.0	-1.3	20.0
Tetrahydrofuran	Ave	0.5604	0.5402		48.2	50.0	-3.6	20.0
Chloroform	Ave	1.989	1.875	0.2000	23.6	25.0	-5.8	20.0
1,1,1-Trichloroethane	Ave	1.449	1.579	0.1000	27.2	25.0	9.0	20.0
Cyclohexane	Ave	2.345	2.639	0.1000	28.1	25.0	12.5	20.0
Carbon tetrachloride	Ave	1.218	1.386	0.1000	28.4	25.0	13.8	20.0
1,1-Dichloropropene	Ave	1.479	1.536		25.9	25.0	3.8	20.0
Isobutyl alcohol	Ave	0.0798	0.0730		572	625	-8.5	50.0
Benzene	Ave	4.596	4.565	0.5000	24.8	25.0	-0.7	20.0
1,2-Dichloroethane	Ave	1.801	1.717	0.1000	23.8	25.0	-4.7	20.0
n-Heptane	Ave	2.051	2.415		29.4	25.0	17.7	20.0
Trichloroethene	Ave	1.077	1.107	0.2000	25.7	25.0	2.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306573/2 Calibration Date: 06/14/2016 09:58

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4601.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	1.891	2.027	0.1000	26.8	25.0	7.2	20.0
1,2-Dichloropropane	Ave	1.258	1.311	0.1000	26.0	25.0	4.2	20.0
Dibromomethane	Ave	0.6821	0.6330	0.1000	23.2	25.0	-7.2	20.0
1,4-Dioxane	Ave	0.0039	0.0027		343	500	-31.5	50.0
Bromodichloromethane	Ave	1.432	1.402	0.2000	24.5	25.0	-2.1	20.0
2-Chloroethyl vinyl ether	Ave	0.7524	0.8175		27.2	25.0	8.6	20.0
cis-1,3-Dichloropropene	Ave	1.853	1.853	0.2000	25.0	25.0	-0.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1912	0.1807	0.1000	118	125	-5.5	20.0
Toluene	Ave	0.8667	0.8291	0.4000	23.9	25.0	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.5103	0.4670	0.1000	22.9	25.0	-8.5	20.0
Ethyl methacrylate	Ave	0.4362	0.4111		23.6	25.0	-5.8	20.0
1,1,2-Trichloroethane	Ave	0.2436	0.2398	0.1000	24.6	25.0	-1.6	20.0
Tetrachloroethene	Ave	0.3128	0.3087	0.2000	24.7	25.0	-1.3	20.0
1,3-Dichloropropane	Ave	0.5210	0.4987		23.9	25.0	-4.3	20.0
2-Hexanone	Ave	0.2875	0.2892	0.1000	126	125	0.6	20.0
Dibromochloromethane	Ave	0.3053	0.3067	0.1000	25.1	25.0	0.5	20.0
1,2-Dibromoethane	Ave	0.3012	0.2837		23.5	25.0	-5.8	20.0
Chlorobenzene	Ave	0.8860	0.8307	0.5000	23.4	25.0	-6.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3042	0.2973		24.4	25.0	-2.3	20.0
Ethylbenzene	Ave	1.646	1.471	0.1000	22.4	25.0	-10.6	20.0
m,p-Xylene	Lin1		0.5907	0.1000	24.0	25.0	-3.8	20.0
o-Xylene	Ave	0.6600	0.6038	0.3000	22.9	25.0	-8.5	20.0
Styrene	Ave	0.9938	0.9365	0.3000	23.6	25.0	-5.8	20.0
Bromoform	Ave	0.1825	0.1821	0.1000	24.9	25.0	-0.2	50.0
Isopropylbenzene	Ave	3.204	3.053	0.1000	23.8	25.0	-4.7	20.0
Bromobenzene	Ave	0.7361	0.7394		25.1	25.0	0.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8823	0.7684	0.3000	21.8	25.0	-12.9	20.0
1,2,3-Trichloropropane	Ave	0.2641	0.2418		22.9	25.0	-8.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3459	0.2894		20.9	25.0	-16.4	50.0
N-Propylbenzene	Ave	3.786	3.639		24.0	25.0	-3.9	20.0
2-Chlorotoluene	Ave	0.7405	0.6708		22.6	25.0	-9.4	20.0
1,3,5-Trimethylbenzene	Ave	2.749	2.520		22.9	25.0	-8.3	20.0
4-Chlorotoluene	Ave	2.807	2.481		22.1	25.0	-11.6	20.0
tert-Butylbenzene	Ave	0.5681	0.5459		24.0	25.0	-3.9	20.0
1,2,4-Trimethylbenzene	Ave	2.853	2.643		23.2	25.0	-7.4	20.0
sec-Butylbenzene	Ave	3.436	3.290		23.9	25.0	-4.3	20.0
1,3-Dichlorobenzene	Ave	1.467	1.277	0.6000	21.8	25.0	-12.9	20.0
4-Isopropyltoluene	Ave	2.867	2.688		23.4	25.0	-6.2	20.0
1,4-Dichlorobenzene	Ave	1.460	1.308	0.5000	22.4	25.0	-10.4	20.0
n-Butylbenzene	Ave	2.692	2.535		23.5	25.0	-5.8	20.0
1,2-Dichlorobenzene	Ave	1.399	1.235	0.4000	22.1	25.0	-11.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Lab Sample ID: CCVIS 480-306573/2 Calibration Date: 06/14/2016 09:58

Instrument ID: HP5973N Calib Start Date: 05/18/2016 17:04

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/18/2016 20:11

Lab File ID: N4601.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1696	0.1260	0.0500	18.6	25.0	-25.7	50.0
1,2,4-Trichlorobenzene	Ave	0.9498	0.9218	0.2000	24.3	25.0	-3.0	20.0
Hexachlorobutadiene	Ave	0.4845	0.4482		23.1	25.0	-7.5	20.0
Naphthalene	Ave	2.550	2.175		21.3	25.0	-14.7	20.0
1,2,3-Trichlorobenzene	Ave	0.8497	0.8191		24.1	25.0	-3.6	20.0
Dibromofluoromethane (Surr)	Ave	1.153	0.9886		21.4	25.0	-14.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.511	1.298		21.5	25.0	-14.2	20.0
Toluene-d8 (Surr)	Ave	1.386	1.260		22.7	25.0	-9.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3770	0.4348		28.8	25.0	15.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4601.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Jun-2016 09:58:30 ALS Bottle#: 27 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0054021-002
Operator ID: SO Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 16:35:08 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: o'briens Date: 14-Jun-2016 10:16:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	116783	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.558	0.000	88	388966	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	187357	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.968	0.000	60	115454	25.0	21.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	151537	25.0	21.5	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	490159	25.0	22.7	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	90	169107	25.0	28.8	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	99	148664	25.0	30.6	
13 Chloromethane	50	1.549	1.549	0.000	99	233017	25.0	26.1	
14 Vinyl chloride	62	1.665	1.665	0.000	97	191611	25.0	28.3	
144 Butadiene	54	1.683	1.683	0.000	86	226782	25.0	30.1	
15 Bromomethane	94	1.969	1.969	0.000	91	93305	25.0	28.6	
16 Chloroethane	64	2.066	2.066	0.000	98	109716	25.0	29.0	
17 Dichlorofluoromethane	67	2.292	2.292	0.000	98	227836	25.0	27.0	
18 Trichlorofluoromethane	101	2.298	2.298	0.000	96	174603	25.0	29.8	
19 Ethyl ether	59	2.590	2.590	0.000	95	157206	25.0	23.0	
20 Acrolein	56	2.742	2.742	0.000	98	69866	125.0	46.1	
22 1,1-Dichloroethene	96	2.803	2.803	0.000	94	115996	25.0	24.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.815	2.815	0.000	92	117567	25.0	28.6	
23 Acetone	43	2.900	2.900	0.000	100	279800	125.0	116.9	
24 Iodomethane	142	2.955	2.955	0.000	99	187635	25.0	25.3	
25 Carbon disulfide	76	3.003	3.003	0.000	99	390617	25.0	24.6	
27 3-Chloro-1-propene	41	3.168	3.168	0.000	93	275309	25.0	23.8	
28 Methyl acetate	43	3.204	3.204	0.000	99	740424	125.0	120.5	
30 Methylene Chloride	84	3.301	3.301	0.000	97	146203	25.0	25.6	
31 2-Methyl-2-propanol	59	3.453	3.453	0.000	99	178066	250.0	214.3	
32 Methyl tert-butyl ether	73	3.533	3.533	0.000	97	430769	25.0	24.1	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	94	134438	25.0	25.7	
34 Acrylonitrile	53	3.563	3.563	0.000	99	769592	250.0	238.7	
35 Hexane	57	3.758	3.758	0.000	91	277705	25.0	28.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	275524	25.0	24.9	
39 Vinyl acetate	43	4.001	4.001	0.000	96	756499	50.0	50.6	
42 2,2-Dichloropropane	77	4.482	4.482	0.000	88	133248	25.0	25.9	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	86	143024	25.0	23.1	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	99	446032	125.0	122.8	
47 Chlorobromomethane	128	4.731	4.731	0.000	91	66357	25.0	24.7	
49 Tetrahydrofuran	42	4.768	4.768	0.000	97	126166	50.0	48.2	
50 Chloroform	83	4.810	4.810	0.000	95	218913	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	98	184422	25.0	27.2	
52 Cyclohexane	56	4.974	4.974	0.000	91	308174	25.0	28.1	
53 Carbon tetrachloride	117	5.090	5.090	0.000	81	161850	25.0	28.4	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	93	179321	25.0	25.9	
56 Isobutyl alcohol	43	5.279	5.279	0.000	94	213191	625.0	571.7	
55 Benzene	78	5.297	5.297	0.000	98	533124	25.0	24.8	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	97	200470	25.0	23.8	
59 n-Heptane	43	5.498	5.498	0.000	95	282029	25.0	29.4	
60 Trichloroethene	95	5.905	5.905	0.000	97	129289	25.0	25.7	
62 Methylcyclohexane	83	6.051	6.051	0.000	96	236686	25.0	26.8	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	97	153048	25.0	26.0	
64 Dibromomethane	93	6.264	6.264	0.000	92	73925	25.0	23.2	
66 1,4-Dioxane	88	6.282	6.282	0.000	56	20787	500.0	342.6	
67 Dichlorobromomethane	83	6.416	6.416	0.000	98	163721	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	91	95468	25.0	27.2	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	95	216392	25.0	25.0	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	96	351417	125.0	118.1	
73 Toluene	92	7.146	7.146	0.000	98	322492	25.0	23.9	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	94	181639	25.0	22.9	
77 Ethyl methacrylate	69	7.463	7.463	0.000	95	159917	25.0	23.6	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	91	93291	25.0	24.6	
79 Tetrachloroethene	166	7.688	7.688	0.000	93	120083	25.0	24.7	
80 1,3-Dichloropropane	76	7.755	7.755	0.000	96	193987	25.0	23.9	
82 2-Hexanone	43	7.822	7.822	0.000	95	562339	125.0	125.7	
83 Chlorodibromomethane	129	7.992	7.992	0.000	91	119277	25.0	25.1	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	110336	25.0	23.5	
85 Chlorobenzene	112	8.588	8.588	0.000	93	323100	25.0	23.4	
89 1,1,1,2-Tetrachloroethane	131	8.685	8.685	0.000	95	115647	25.0	24.4	
88 Ethylbenzene	91	8.685	8.685	0.000	98	572298	25.0	22.4	
90 m-Xylene & p-Xylene	106	8.807	8.807	0.000	0	229759	25.0	24.0	
91 o-Xylene	106	9.233	9.233	0.000	96	234838	25.0	22.9	
92 Styrene	104	9.263	9.263	0.000	95	364275	25.0	23.6	
93 Bromoform	173	9.494	9.494	0.000	96	70839	25.0	24.9	
95 Isopropylbenzene	105	9.616	9.616	0.000	96	572042	25.0	23.8	
97 Bromobenzene	156	9.951	9.951	0.000	96	138524	25.0	25.1	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	93	143964	25.0	21.8	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	88	45301	25.0	22.9	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	65	54214	25.0	20.9	
100 N-Propylbenzene	91	10.042	10.042	0.000	99	681743	25.0	24.0	
102 2-Chlorotoluene	126	10.139	10.139	0.000	96	125687	25.0	22.6	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	94	472095	25.0	22.9	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	464794	25.0	22.1	
106 tert-Butylbenzene	134	10.535	10.535	0.000	94	102285	25.0	24.0	
108 1,2,4-Trimethylbenzene	105	10.590	10.590	0.000	97	495144	25.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.742	10.742	0.000	95	616332	25.0	23.9	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	97	239289	25.0	21.8	
111 4-Isopropyltoluene	119	10.882	10.882	0.000	97	503706	25.0	23.4	
113 1,4-Dichlorobenzene	146	10.955	10.955	0.000	93	245029	25.0	22.4	
115 n-Butylbenzene	91	11.265	11.265	0.000	97	474920	25.0	23.5	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	96	231334	25.0	22.1	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.025	0.000	84	23600	25.0	18.6	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	95	172700	25.0	24.3	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	97	83969	25.0	23.1	
121 Naphthalene	128	12.926	12.926	0.000	97	407570	25.0	21.3	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	95	153464	25.0	24.1	

Reagents:

8260 CORP mix_00075	Amount Added: 12.50	Units: uL	
GAS CORP mix_00160	Amount Added: 12.50	Units: uL	
N_8260_Surr_00189	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added: 1.00	Units: uL	Run Reagent

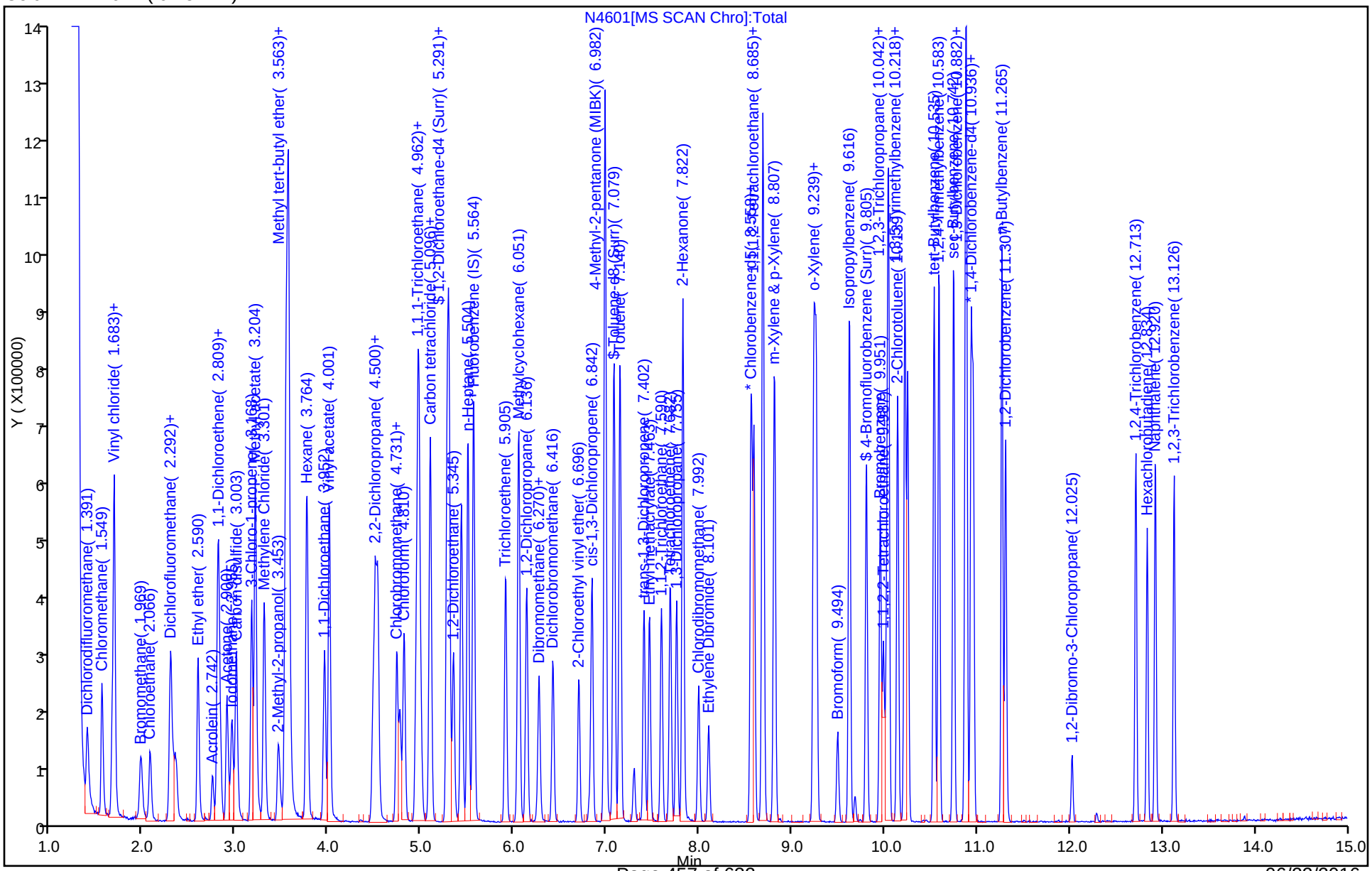
Report Date: 14-Jun-2016 16:35:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4601.D

Injection Date:	14-Jun-2016 09:58:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4215.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-May-2016 12:48:30 ALS Bottle#: 59 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0053523-003
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-May-2016 19:45:56 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: goliszekg Date: 25-May-2016 13:06:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.478	9.478	0.000	0	51753	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

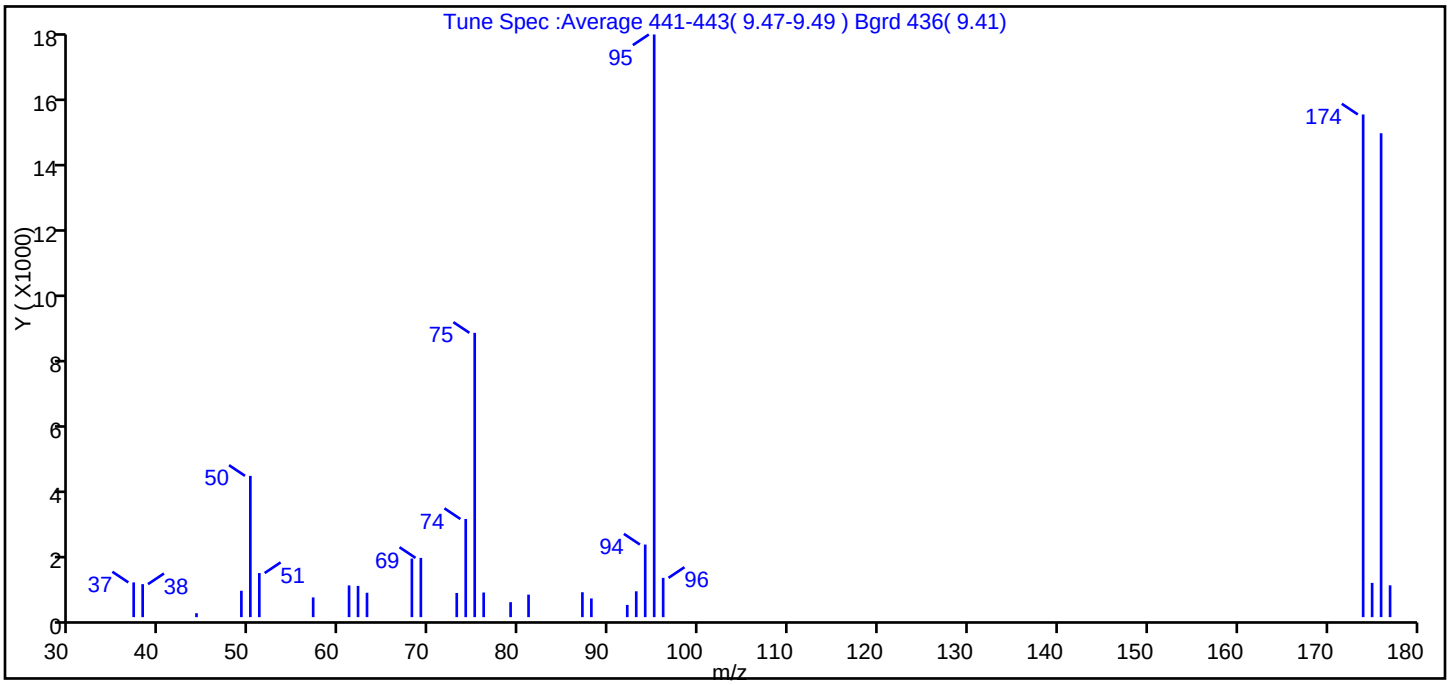
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4215.D
Injection Date: 25-May-2016 12:48:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 59 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.2
75	30 to 60% of m/z 95	48.8
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.3
175	5 to 9% of m/z 174	5.9 (6.8)
176	Greater than 95% but less than 101% of m/z 174	83.1 (96.3)
177	5 to 9% of m/z 176	5.5 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4215.D\C-8260.rslt\spectra.d
Injection Date: 25-May-2016 12:48:30
Spectrum: Tune Spec :Average 441-443(9.47-9.49) Bgrd 436(9.41)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 29

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1055	62.00	949	79.00	455	96.00	1193
38.00	1002	63.00	741	81.00	684	174.00	15267
44.00	119	68.00	1779	87.00	756	175.00	1040
49.00	801	69.00	1799	88.00	568	176.00	14697
50.00	4291	73.00	735	92.00	371	177.00	967
51.00	1339	74.00	2981	93.00	785		
57.00	599	75.00	8635	94.00	2205		
61.00	963	76.00	748	95.00	17696		

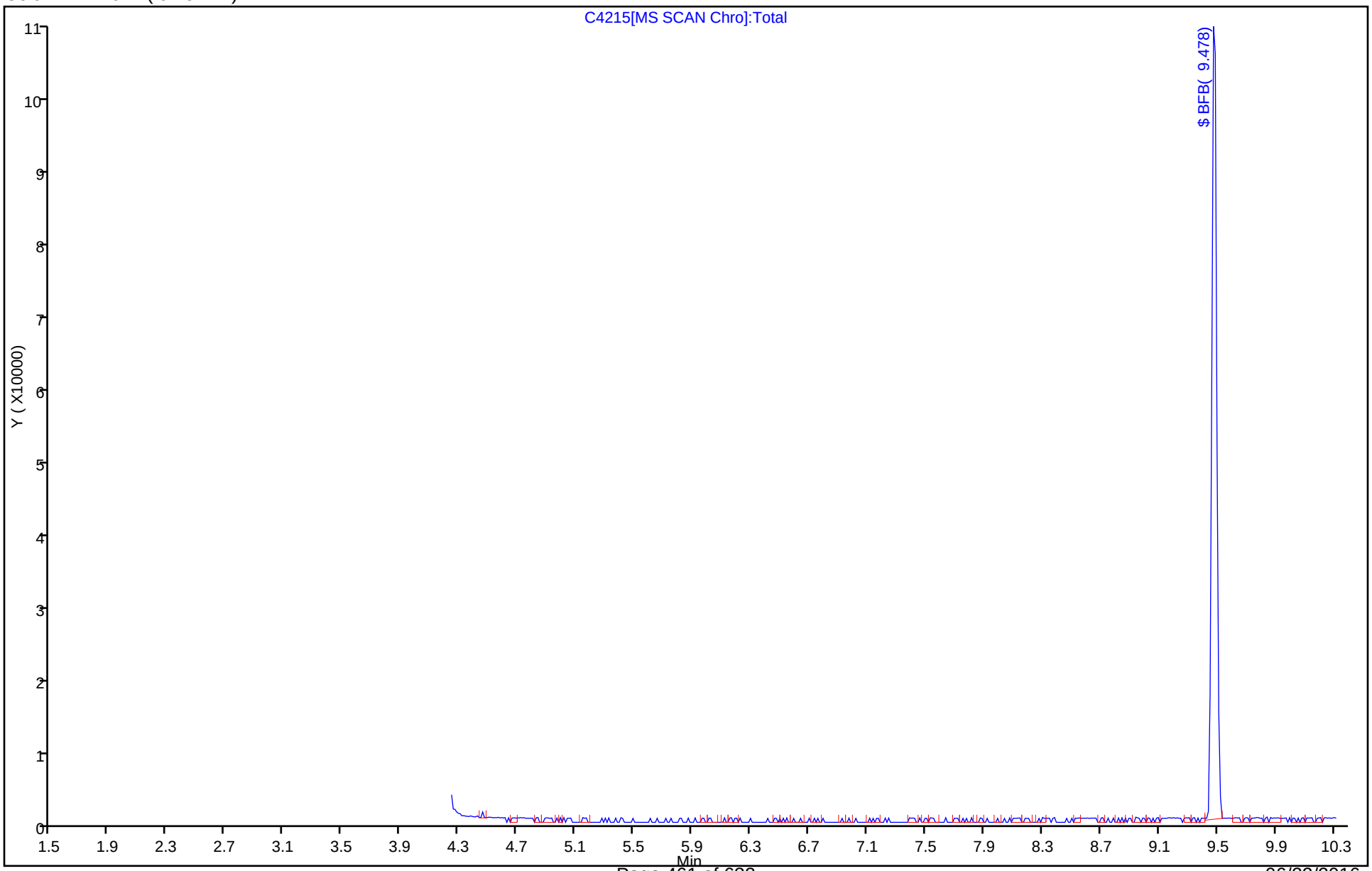
Report Date: 25-May-2016 19:45:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4215.D

Injection Date:	25-May-2016 12:48:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	59
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5108.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	15-Jun-2016 09:17:30	ALS Bottle#:	28	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0054049-002				
Operator ID:	gtg	Instrument ID:	HP5973C		
Method:	\\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	15-Jun-2016 09:30:53	Calib Date:	25-May-2016 16:43:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK020				
First Level Reviewer: goliszekg		Date:	15-Jun-2016 09:30:53		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.490	9.490	0.000	0	43347	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

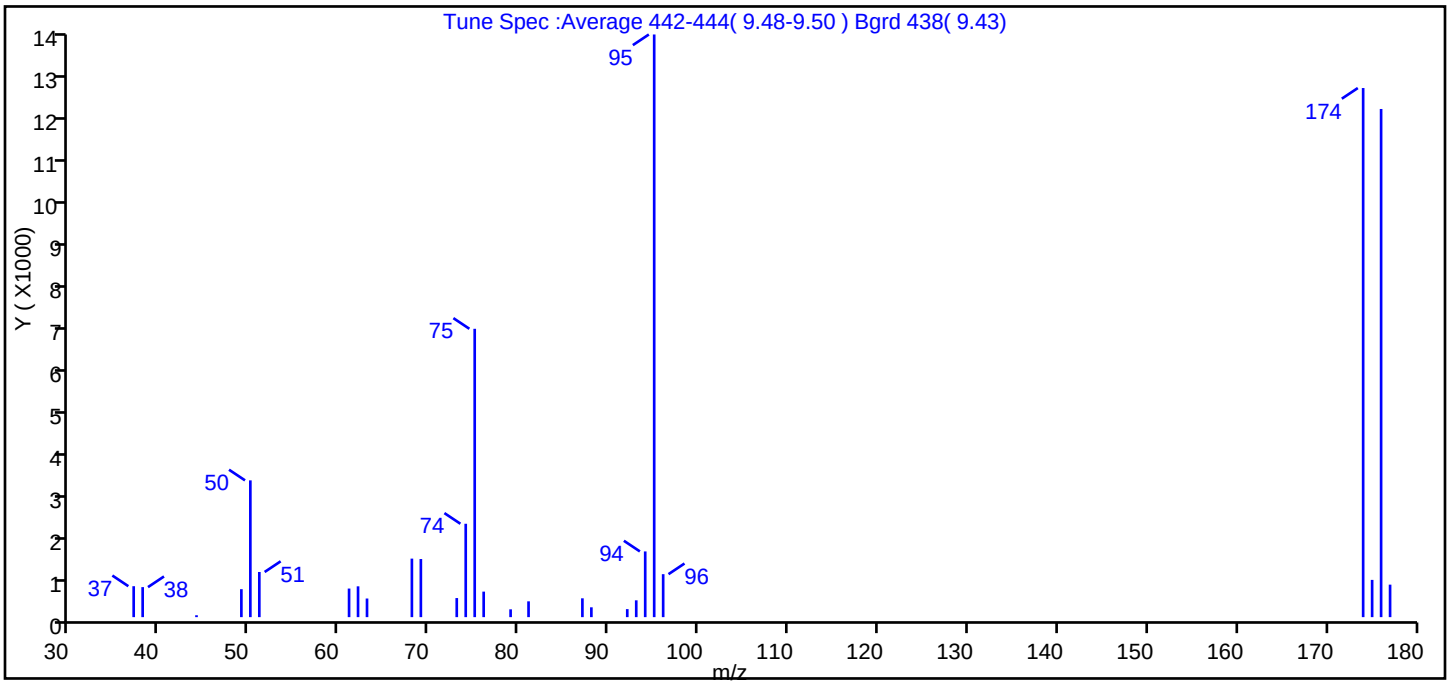
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5108.D
Injection Date: 15-Jun-2016 09:17:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 28 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.5
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.8
175	5 to 9% of m/z 174	6.4 (7.0)
176	Greater than 95% but less than 101% of m/z 174	87.2 (96.0)
177	5 to 9% of m/z 176	5.6 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5108.D\C-8260.rslt\spectra.d
Injection Date: 15-Jun-2016 09:17:30
Spectrum: Tune Spec :Average 442-444(9.48-9.50) Bgrd 438(9.43)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 28

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	736	62.00	733	76.00	607	94.00	1563
38.00	714	63.00	443	79.00	186	95.00	13858
44.00	45	68.00	1392	81.00	376	96.00	1022
49.00	665	69.00	1382	87.00	448	174.00	12584
50.00	3253	73.00	454	88.00	234	175.00	886
51.00	1074	74.00	2221	92.00	191	176.00	12086
61.00	680	75.00	6858	93.00	400	177.00	773

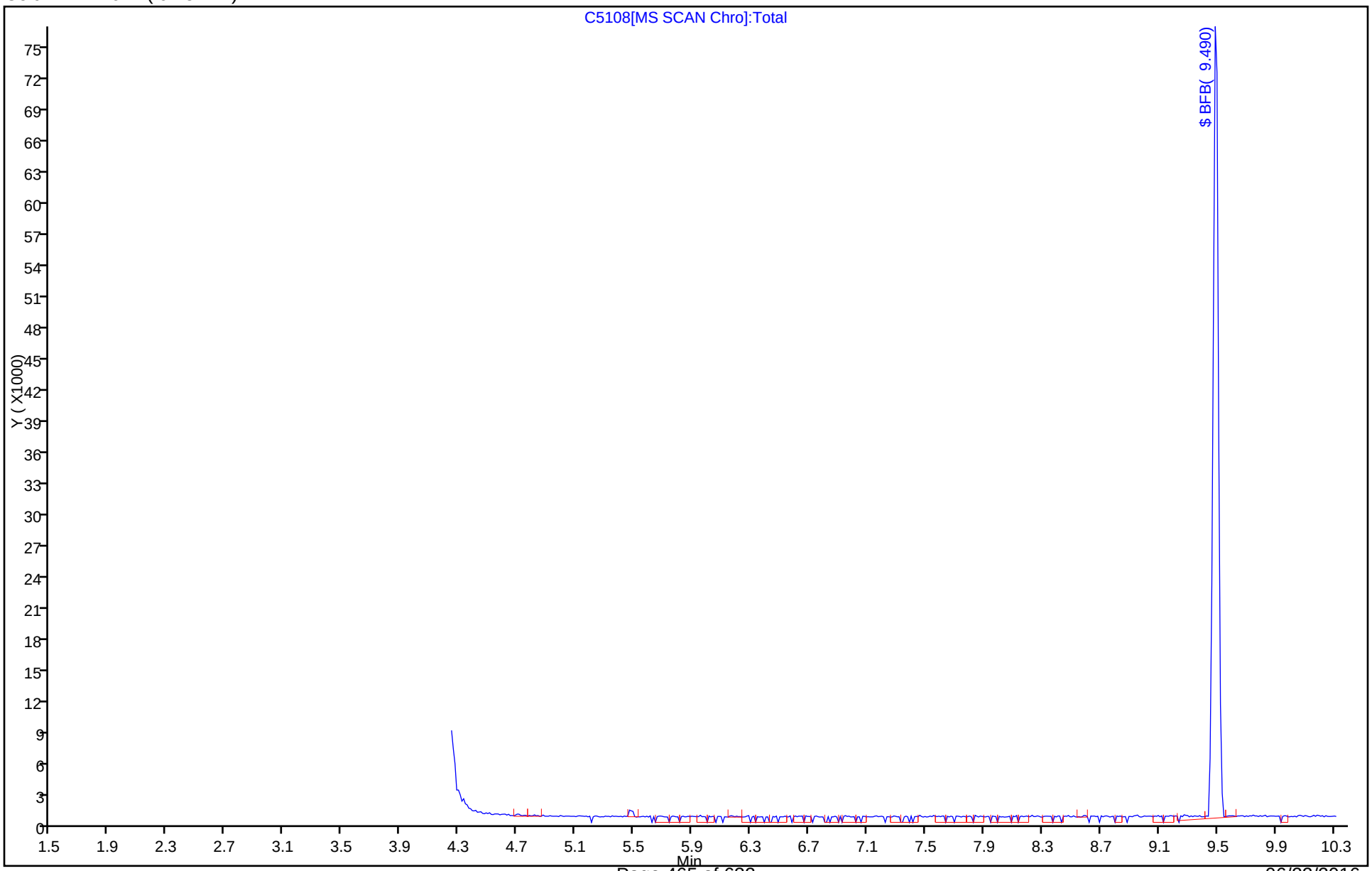
Report Date: 15-Jun-2016 09:30:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5108.D

Injection Date:	15-Jun-2016 09:17:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-Jun-2016 12:11:30	ALS Bottle#:	1	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0053862-003				
Operator ID:	CDC	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	09-Jun-2016 10:45:56	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK032				
First Level Reviewer: cwiklinc		Date:	09-Jun-2016 10:45:55		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.436	5.436	0.000	0	378094	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

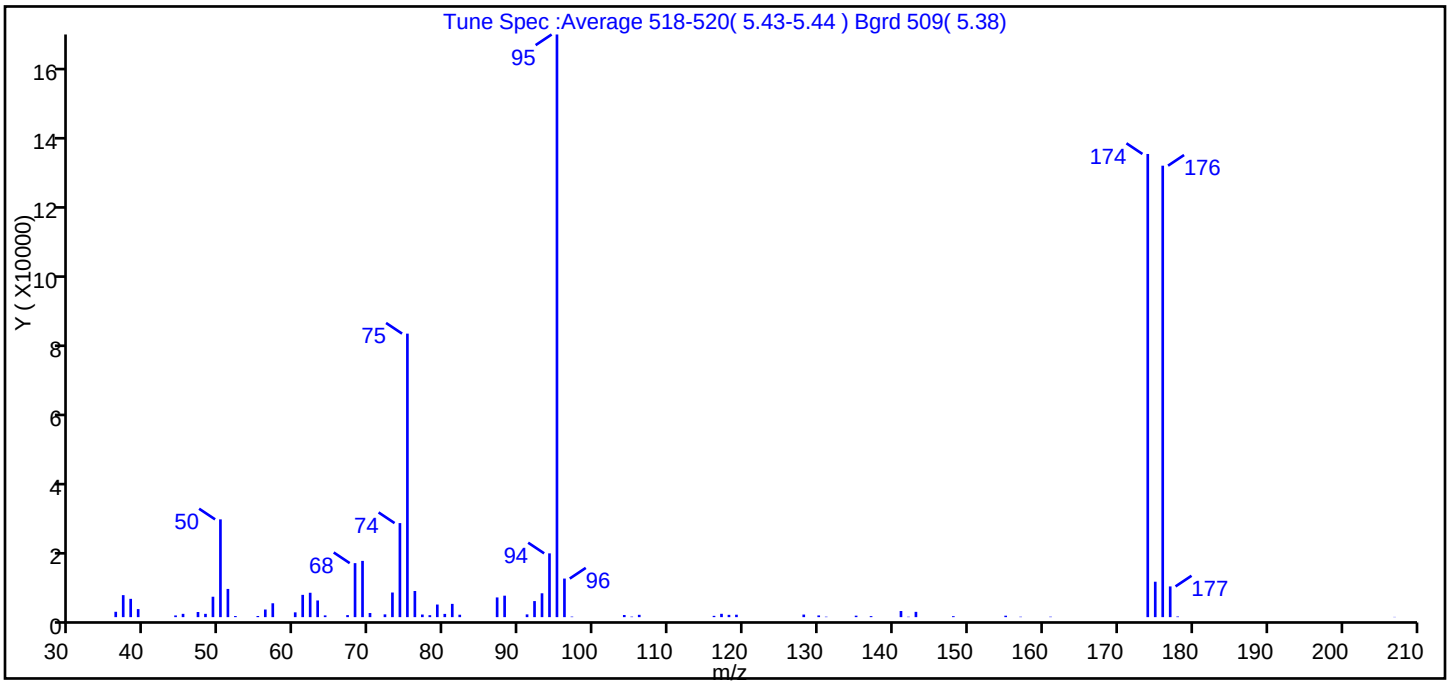
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D
Injection Date: 08-Jun-2016 12:11:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.8
75	30 to 60% of m/z 95	48.7
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.5
175	5 to 9% of m/z 174	6.1 (7.6)
176	Greater than 95% but less than 101% of m/z 174	77.5 (97.5)
177	5 to 9% of m/z 176	5.3 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 08-Jun-2016 12:11:30
Spectrum: Tune Spec :Average 518-520(5.43-5.44) Bgrd 509(5.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1532	63.00	4761	88.00	6128	135.00	421
37.00	6283	64.00	499	91.00	786	137.00	288
38.00	5225	67.00	582	92.00	4583	141.00	1749
39.00	2301	68.00	15416	93.00	6808	142.00	121
44.00	483	69.00	16059	94.00	18208	143.00	1512
45.00	943	70.00	1181	95.00	166336	148.00	270
47.00	1467	72.00	793	96.00	11014	155.00	413
48.00	944	73.00	7031	97.00	150	157.00	118
49.00	5827	74.00	26848	104.00	611	161.00	125
50.00	27912	75.00	80936	105.00	144	174.00	132224
51.00	8053	76.00	7465	106.00	663	175.00	10113
52.00	318	77.00	748	116.00	370	176.00	128880
55.00	328	78.00	562	117.00	954	177.00	8772
56.00	2179	79.00	3600	118.00	654	178.00	183
57.00	3958	80.00	929	119.00	694	207.00	65
60.00	1370	81.00	3788	128.00	736		
61.00	6365	82.00	690	130.00	486		
62.00	6961	87.00	5629	131.00	129		

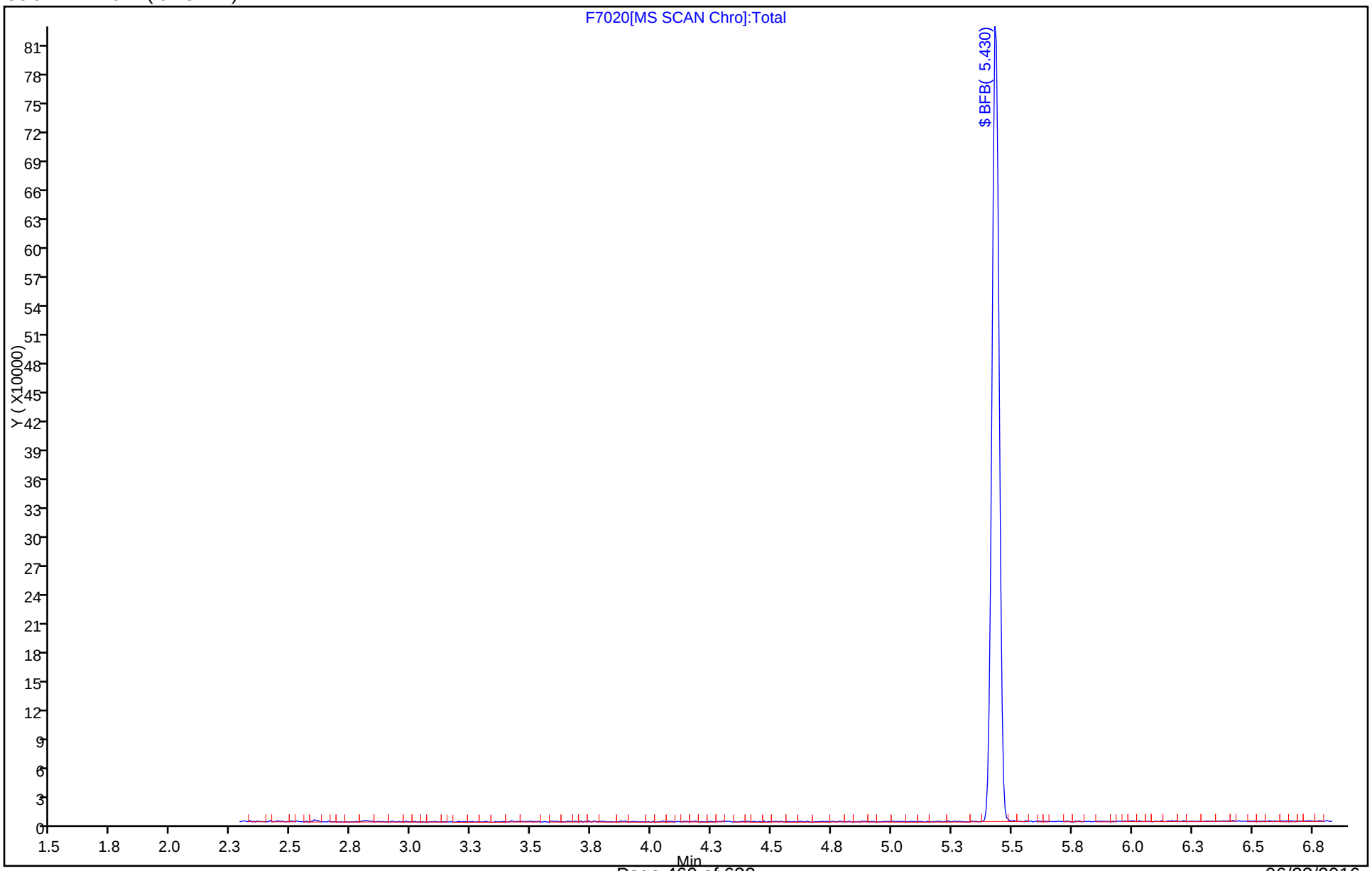
Report Date: 09-Jun-2016 10:45:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7020.D

Injection Date:	08-Jun-2016 12:11:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7119.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Jun-2016 21:42:30	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0053971-003				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	12-Jun-2016 21:46:18	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK052				
First Level Reviewer: diasn		Date:	12-Jun-2016 21:46:17		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.430	5.430	0.000	0	99212	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

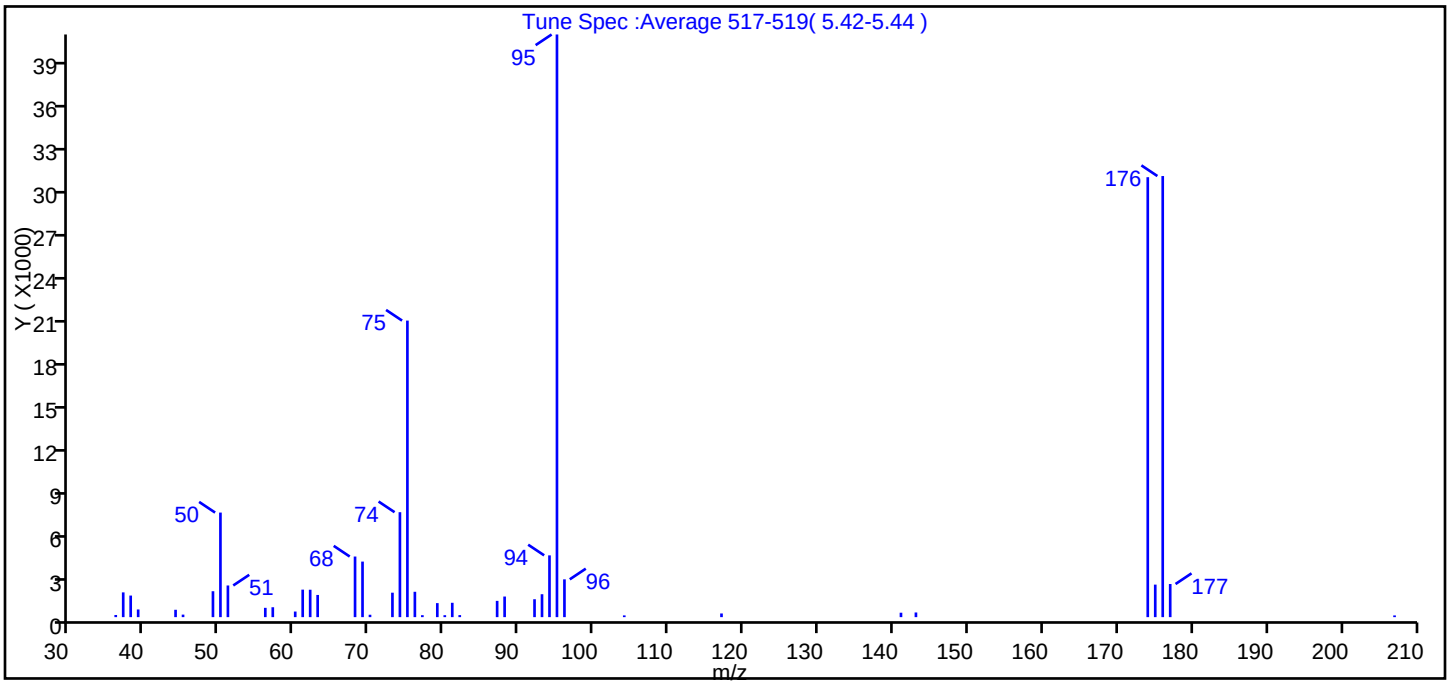
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7119.D
Injection Date: 12-Jun-2016 21:42:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.9
75	30 to 60% of m/z 95	50.9
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	75.5
175	5 to 9% of m/z 174	5.6 (7.4)
176	Greater than 95% but less than 101% of m/z 174	75.7 (100.3)
177	5 to 9% of m/z 176	5.7 (7.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7119.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 12-Jun-2016 21:42:30
Spectrum: Tune Spec :Average 517-519(5.42-5.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	150	60.00	391	77.00	137	96.00	2638
37.00	1728	61.00	1920	79.00	979	104.00	122
38.00	1506	62.00	1913	80.00	136	117.00	257
39.00	536	63.00	1549	81.00	1002	141.00	309
44.00	514	68.00	4230	82.00	143	143.00	326
45.00	177	69.00	3877	87.00	1135	174.00	30704
49.00	1809	70.00	168	88.00	1438	175.00	2270
50.00	7298	73.00	1707	92.00	1250	176.00	30784
51.00	2210	74.00	7324	93.00	1600	177.00	2312
56.00	650	75.00	20696	94.00	4312	207.00	120
57.00	691	76.00	1770	95.00	40664		

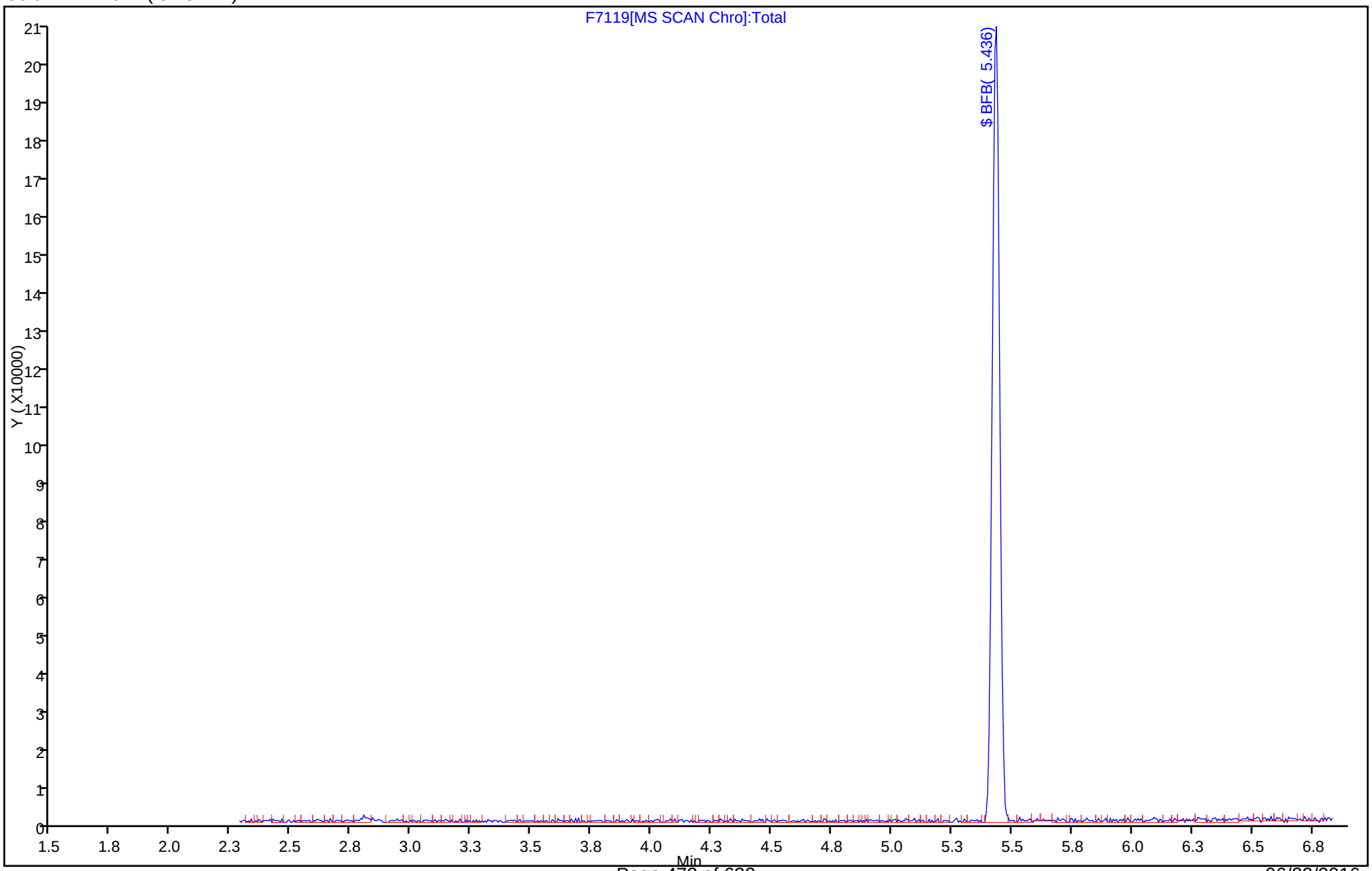
Report Date: 12-Jun-2016 21:46:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7119.D

Injection Date:	12-Jun-2016 21:42:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7147.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-Jun-2016 10:29:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0053989-002
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 10:34:27 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 10:34:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.430	5.430	0.000	0	162555	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

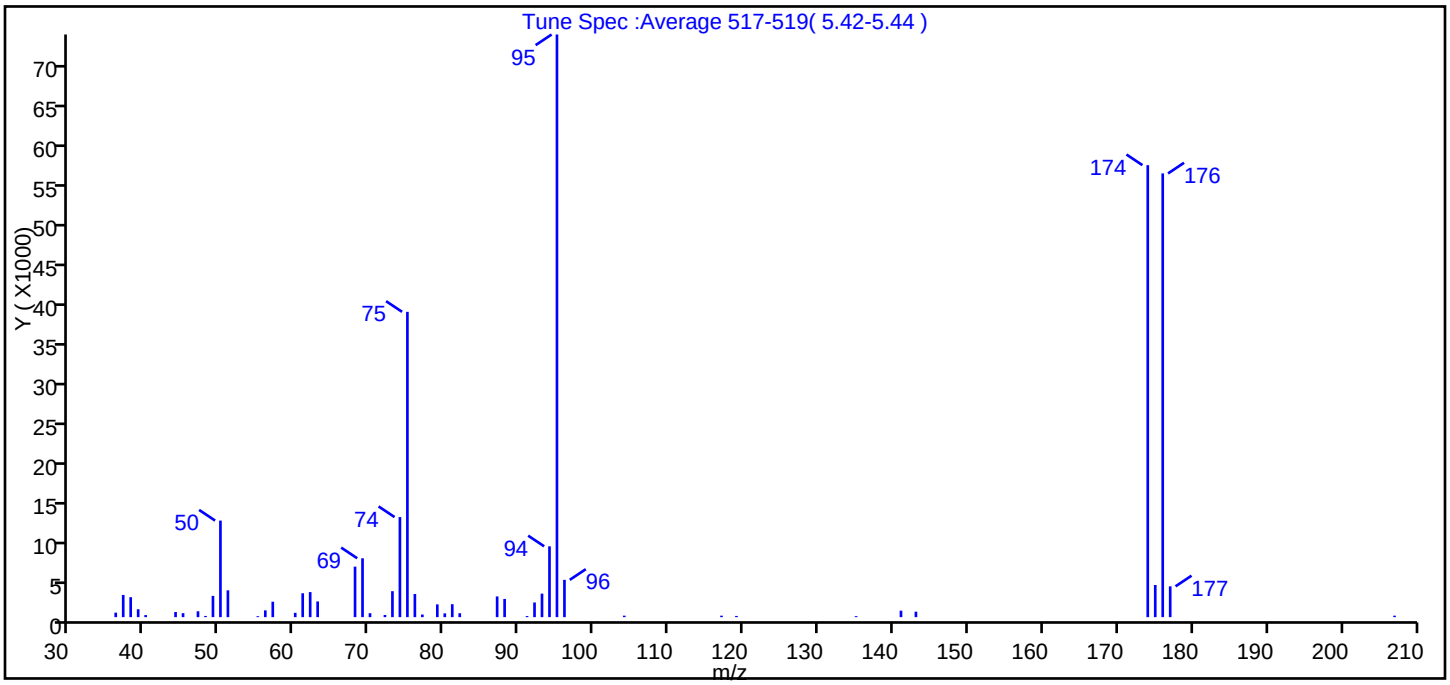
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7147.D
Injection Date: 13-Jun-2016 10:29:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.6
75	30 to 60% of m/z 95	52.4
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.6
175	5 to 9% of m/z 174	5.5 (7.1)
176	Greater than 95% but less than 101% of m/z 174	76.2 (98.2)
177	5 to 9% of m/z 176	5.3 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7147.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 13-Jun-2016 10:29:30
Spectrum: Tune Spec :Average 517-519(5.42-5.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	569	56.00	859	76.00	2929	96.00	4716
37.00	2804	57.00	1951	77.00	332	104.00	188
38.00	2521	60.00	544	79.00	1614	117.00	186
39.00	999	61.00	3021	80.00	479	119.00	152
40.00	260	62.00	3169	81.00	1638	135.00	124
44.00	649	63.00	1986	82.00	495	141.00	818
45.00	503	68.00	6387	87.00	2620	143.00	691
47.00	740	69.00	7445	88.00	2301	174.00	57168
48.00	152	70.00	500	91.00	137	175.00	4066
49.00	2689	72.00	272	92.00	1855	176.00	56120
50.00	12213	73.00	3283	93.00	2974	177.00	3896
51.00	3391	74.00	12656	94.00	8957	207.00	186
55.00	117	75.00	38616	95.00	73696		

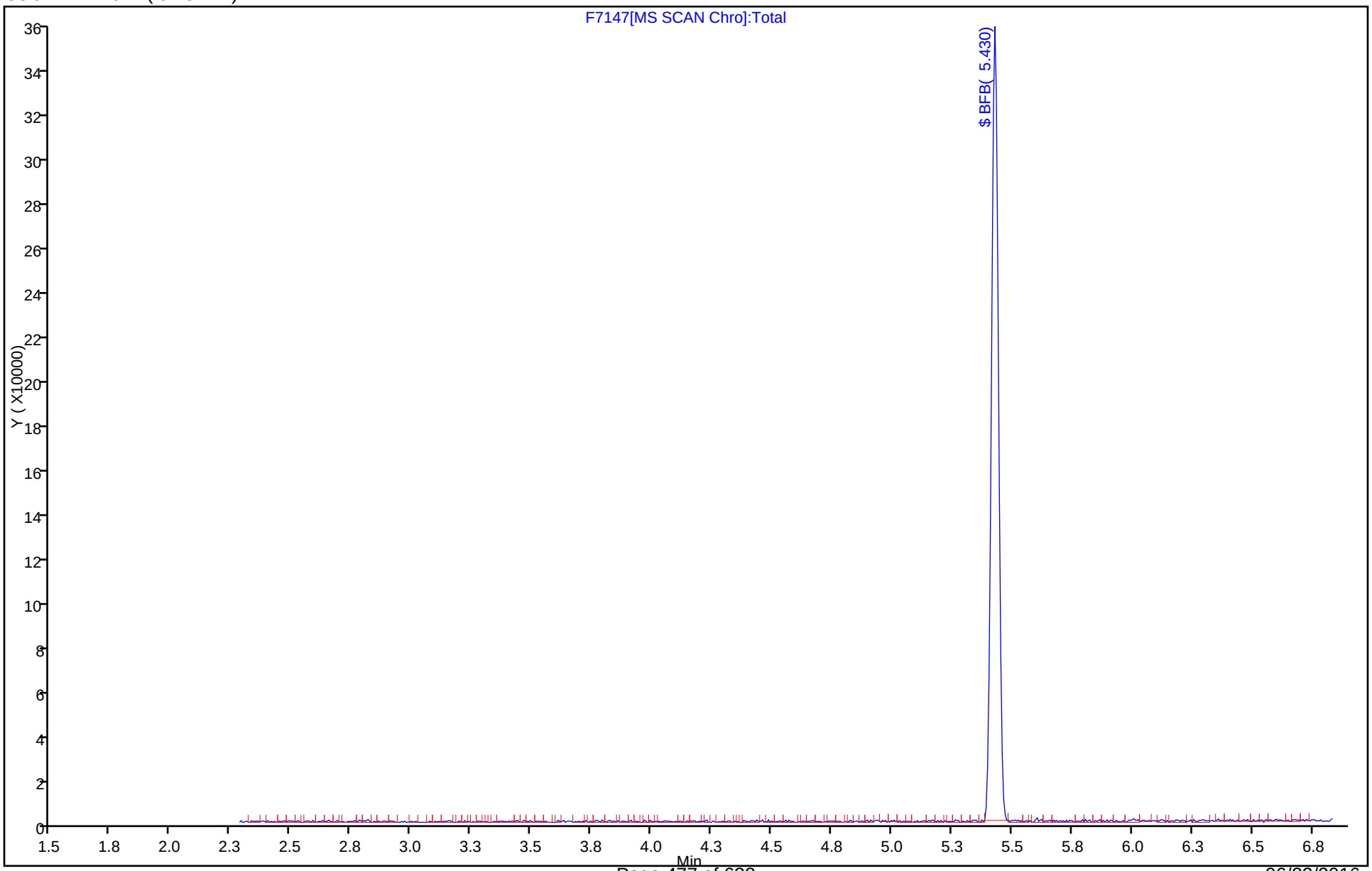
Report Date: 13-Jun-2016 10:34:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7147.D

Injection Date:	13-Jun-2016 10:29:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-Jun-2016 22:11:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0054007-002
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 22:22:22 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Jun-2016 22:22:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
$ 61 BFB	95	5.436	5.436	0.000	0	87418	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

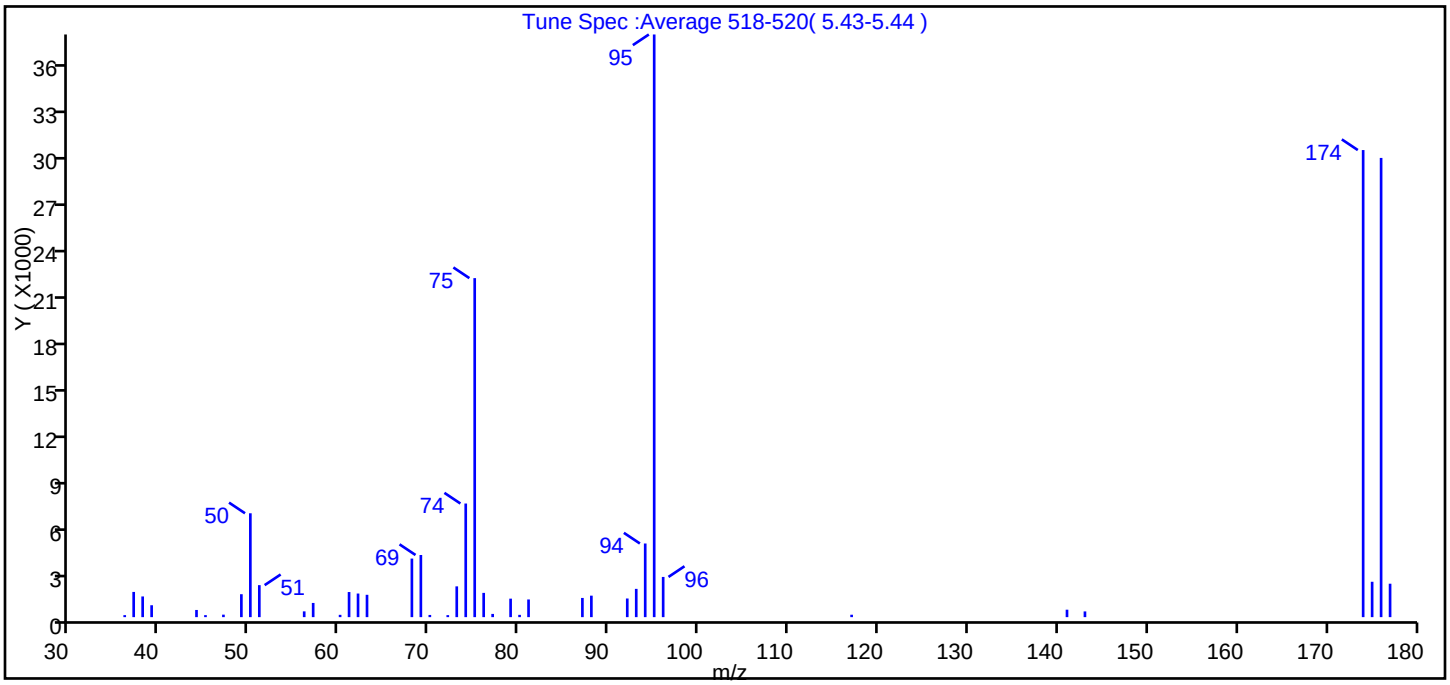
BFB_WRK_00054 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D
Injection Date: 13-Jun-2016 22:11:30 Instrument ID: HP5973F
Lims ID: BFB
Client ID:
Operator ID: NMD ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: F-8260 SOIL Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	58.2
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.2
175	5 to 9% of m/z 174	6.1 (7.6)
176	Greater than 95% but less than 101% of m/z 174	78.8 (98.3)
177	5 to 9% of m/z 176	5.7 (7.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 13-Jun-2016 22:11:30
Spectrum: Tune Spec :Average 518-520(5.43-5.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	129	57.00	910	75.00	21728	95.00	37344
37.00	1616	60.00	148	76.00	1555	96.00	2577
38.00	1326	61.00	1609	77.00	207	117.00	155
39.00	763	62.00	1513	79.00	1185	141.00	477
44.00	460	63.00	1432	80.00	147	143.00	367
45.00	129	68.00	3754	81.00	1133	174.00	29936
47.00	160	69.00	3983	87.00	1231	175.00	2267
49.00	1470	70.00	141	88.00	1377	176.00	29432
50.00	6657	72.00	129	92.00	1195	177.00	2143
51.00	2051	73.00	1973	93.00	1812		
56.00	370	74.00	7282	94.00	4720		

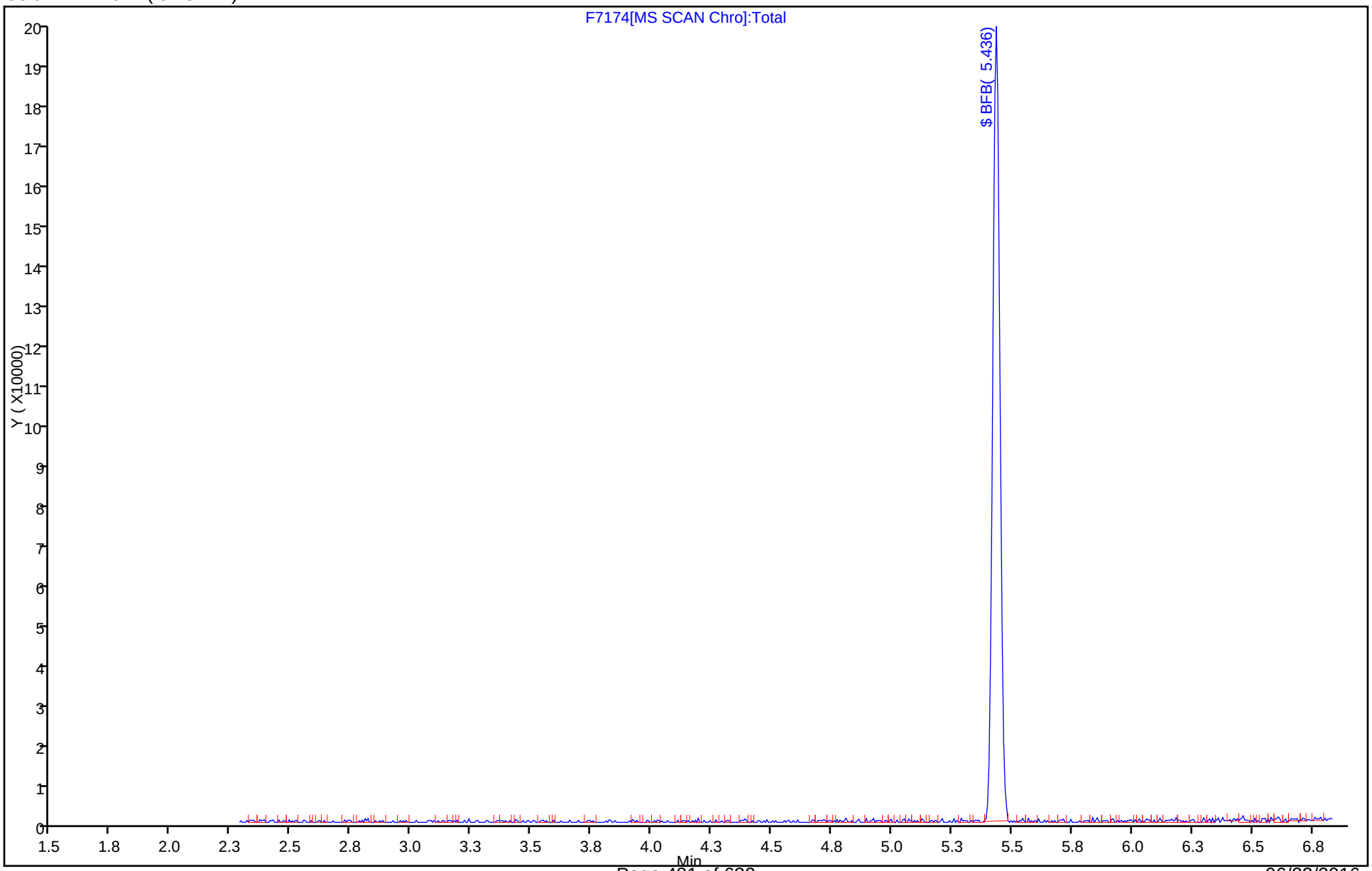
Report Date: 13-Jun-2016 22:22:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7174.D

Injection Date:	13-Jun-2016 22:11:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-May-2016 16:10:30 ALS Bottle#: 45 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0053328-002
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-May-2016 16:23:59 Calib Date: 18-May-2016 06:20:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160517-53286.b\N3449.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: o'briens Date: 18-May-2016 16:23:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.430	4.430	0.000	83	341384	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

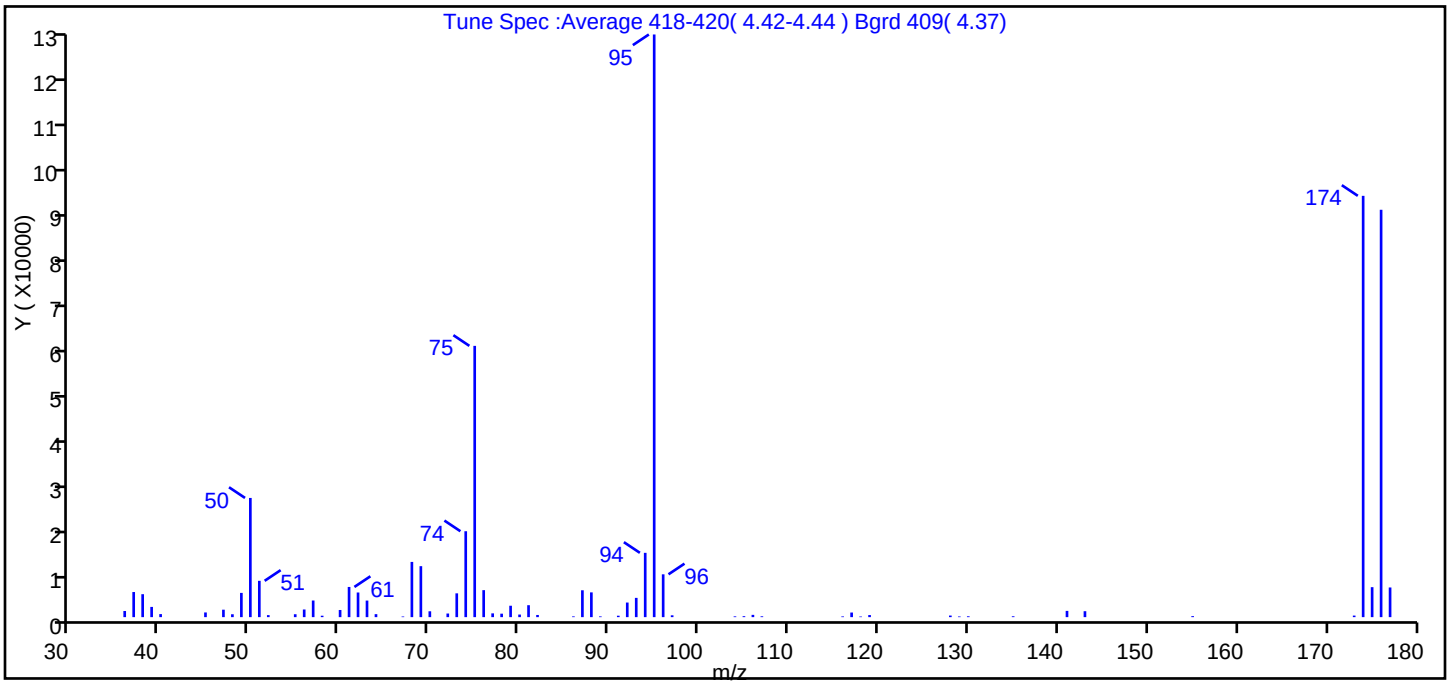
BFB_WRK_00053 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D
Injection Date: 18-May-2016 16:10:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 45 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.5
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	72.3
175	5 to 9% of m/z 174	5.1 (7.1)
176	Greater than 95% but less than 101% of m/z 174	69.9 (96.7)
177	5 to 9% of m/z 176	5.1 (7.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D\N-8260.rslt\spectra.d
Injection Date: 18-May-2016 16:10:30
Spectrum: Tune Spec :Average 418-420(4.42-4.44) Bgrd 409(4.37)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1345	61.00	6624	81.00	2620	116.00	158
37.00	5509	62.00	5408	82.00	477	117.00	1012
38.00	5035	63.00	3635	86.00	164	118.00	134
39.00	2243	64.00	655	87.00	5894	119.00	457
40.00	668	67.00	141	88.00	5433	128.00	347
45.00	1030	68.00	12116	89.00	159	129.00	148
47.00	1636	69.00	11183	91.00	315	130.00	186
48.00	635	70.00	1286	92.00	3203	135.00	189
49.00	5320	72.00	795	93.00	4227	141.00	1371
50.00	26152	73.00	5221	94.00	14108	143.00	1302
51.00	7969	74.00	18848	95.00	127824	155.00	218
52.00	443	75.00	59512	96.00	9395	173.00	343
55.00	640	76.00	5921	97.00	403	174.00	92424
56.00	1679	77.00	830	104.00	169	175.00	6576
57.00	3650	78.00	762	105.00	206	176.00	89368
58.00	313	79.00	2502	106.00	501	177.00	6509
60.00	1570	80.00	570	107.00	181		

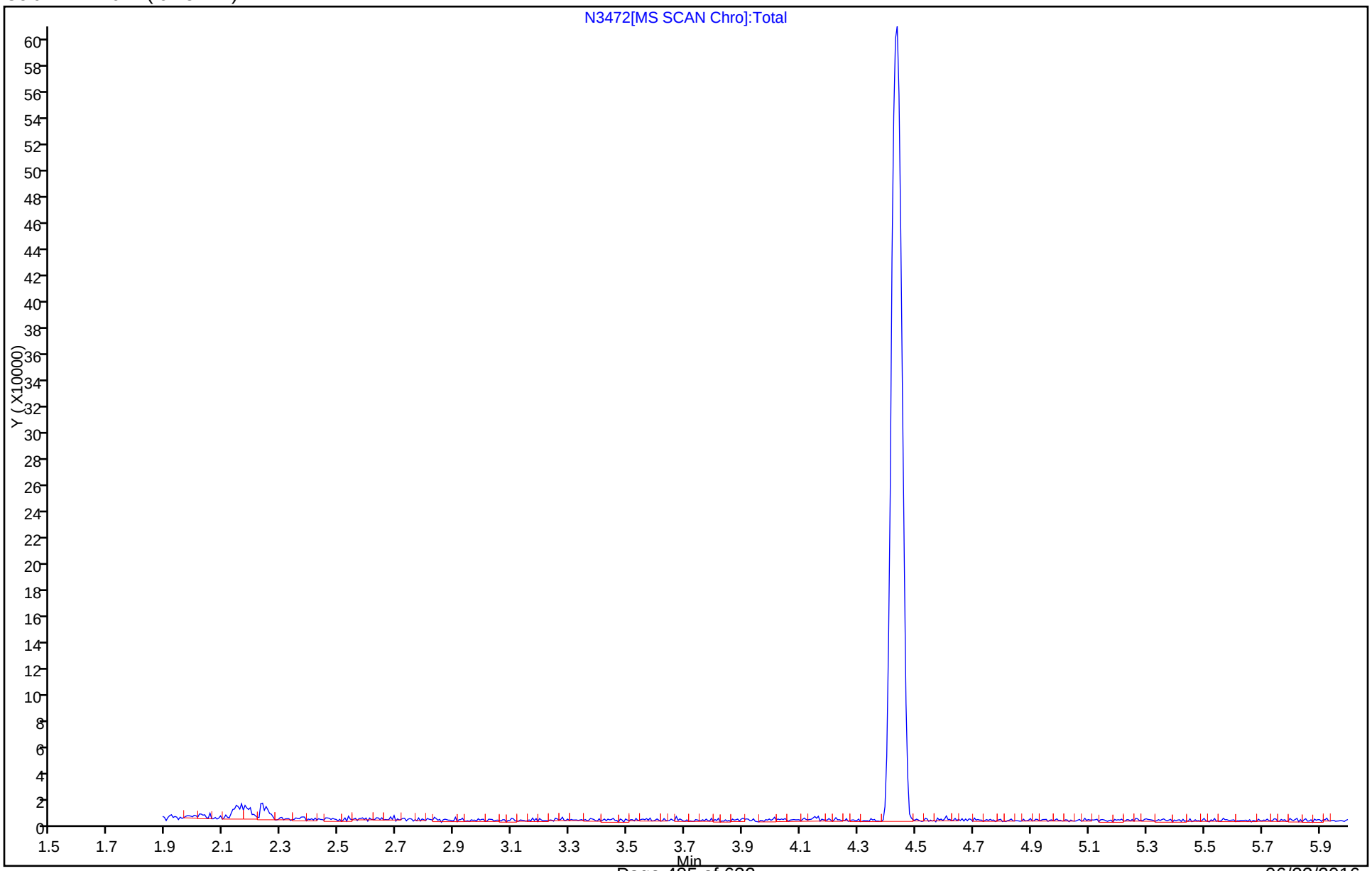
Report Date: 18-May-2016 16:24:00 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3472.D

Injection Date:	18-May-2016 16:10:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	45
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4575.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-Jun-2016 22:19:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0054004-002
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 23:00:37 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: fortaing Date: 13-Jun-2016 23:00:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.436	4.436	0.000	88	184788	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

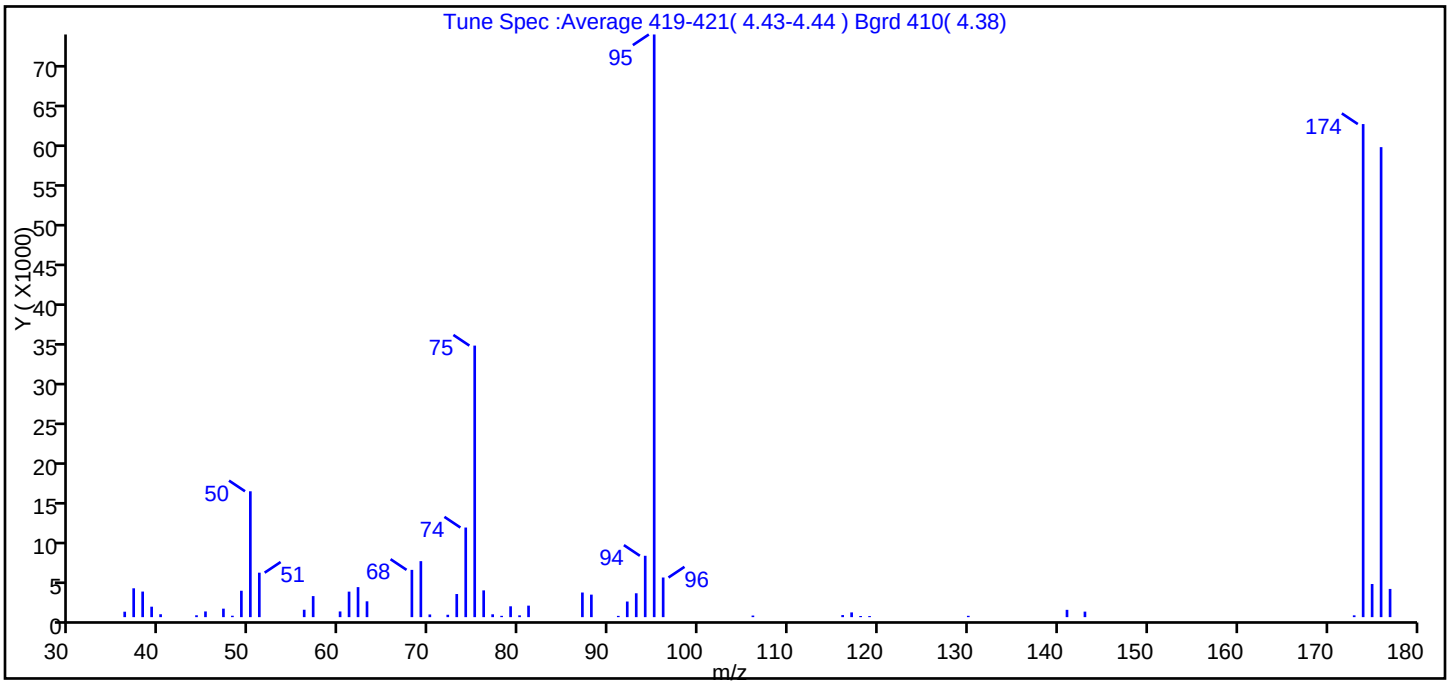
BFB_WRK_00053 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4575.D
Injection Date: 13-Jun-2016 22:19:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.6
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	84.6
175	5 to 9% of m/z 174	5.7 (6.7)
176	Greater than 95% but less than 101% of m/z 174	80.7 (95.3)
177	5 to 9% of m/z 176	4.8 (6.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4575.D\N-8260.rslt\spectra.d
Injection Date: 13-Jun-2016 22:19:30
Spectrum: Tune Spec :Average 419-421(4.43-4.44) Bgrd 410(4.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	690	57.00	2671	77.00	362	106.00	201
37.00	3660	60.00	722	78.00	167	116.00	263
38.00	3245	61.00	3237	79.00	1377	117.00	602
39.00	1326	62.00	3810	80.00	230	118.00	145
40.00	368	63.00	2009	81.00	1460	119.00	137
44.00	237	68.00	5998	87.00	3125	130.00	169
45.00	724	69.00	7105	88.00	2857	141.00	928
47.00	1077	70.00	340	91.00	160	143.00	701
48.00	179	72.00	303	92.00	1982	173.00	229
49.00	3350	73.00	2934	93.00	3029	174.00	62568
50.00	15971	74.00	11370	94.00	7786	175.00	4204
51.00	5642	75.00	34456	95.00	73936	176.00	59640
56.00	940	76.00	3396	96.00	5030	177.00	3580

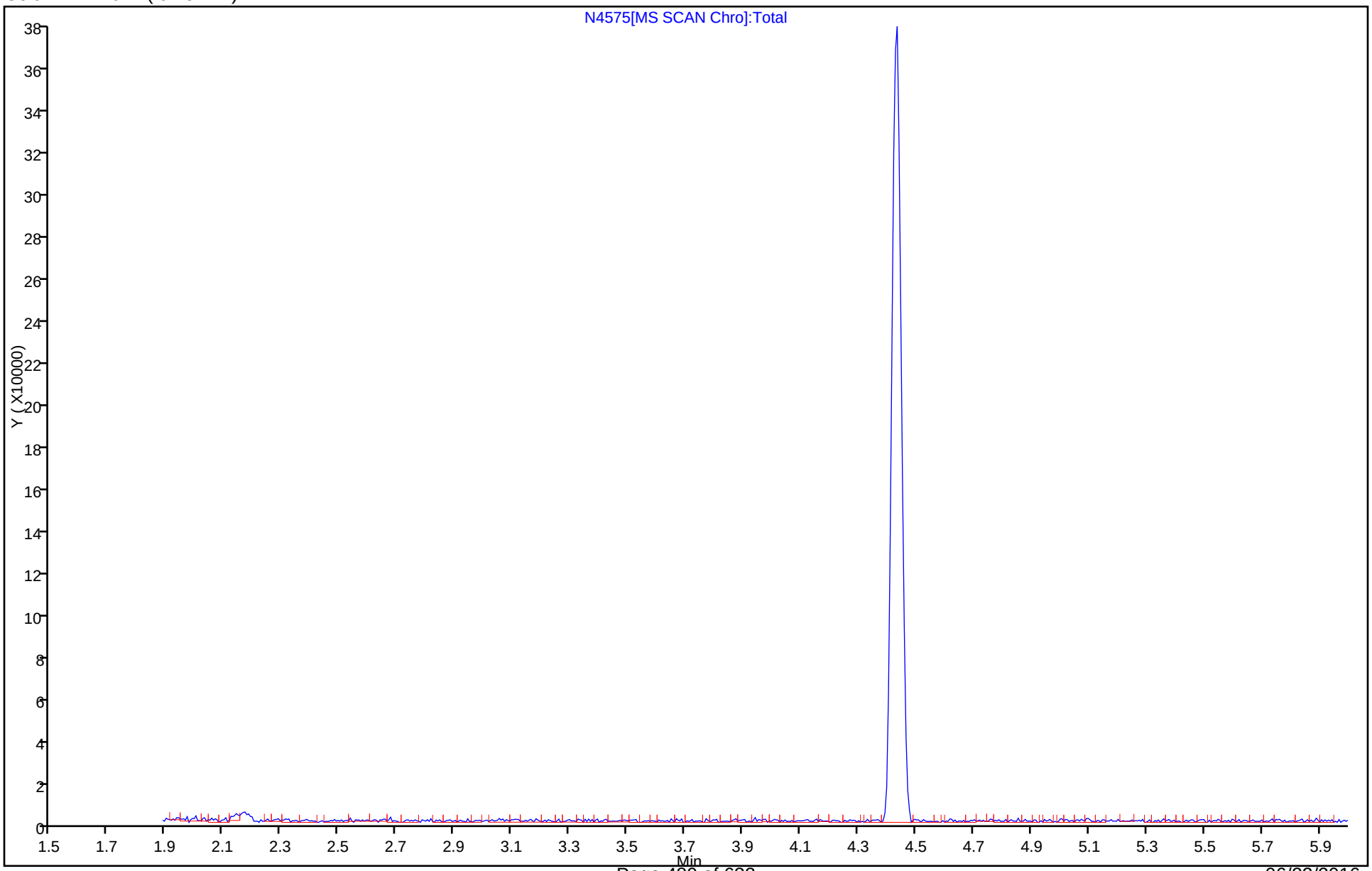
Report Date: 13-Jun-2016 23:00:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4575.D

Injection Date:	13-Jun-2016 22:19:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4600.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2016 09:32:30 ALS Bottle#: 26 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0054021-001
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 09:42:26 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: o'briens Date: 14-Jun-2016 09:42:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	4.442	4.442	0.000	87	226431	NR	NR	7

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
7 - Failed Limit of Detection

Reagents:

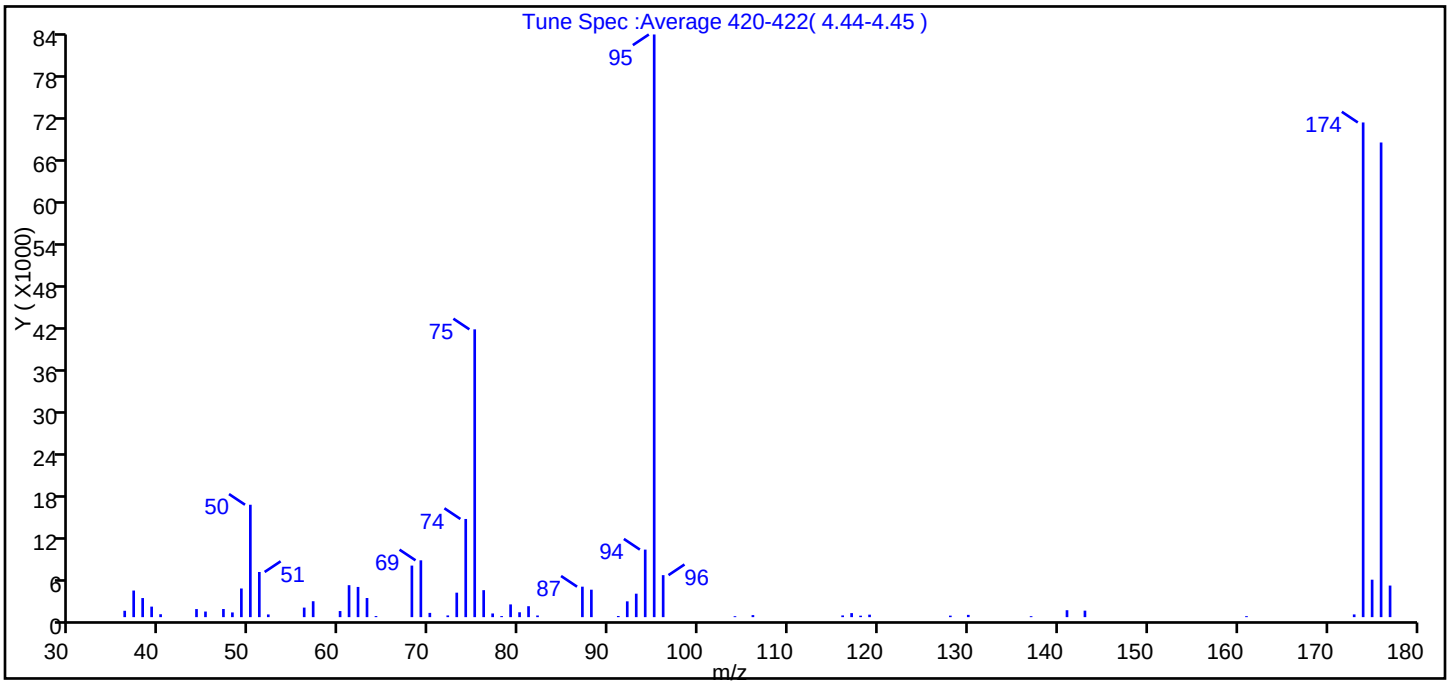
BFB_WRK_00053 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4600.D
Injection Date: 14-Jun-2016 09:32:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 26 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.3
75	30 to 60% of m/z 95	49.4
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	84.9
175	5 to 9% of m/z 174	6.4 (7.6)
176	Greater than 95% but less than 101% of m/z 174	81.5 (96.0)
177	5 to 9% of m/z 176	5.4 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4600.D\N-8260.rslt\spectra.d
Injection Date: 14-Jun-2016 09:32:30
Spectrum: Tune Spec :Average 420-422(4.44-4.45)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	907	60.00	869	79.00	1815	117.00	576
37.00	3793	61.00	4556	80.00	695	118.00	210
38.00	2722	62.00	4307	81.00	1559	119.00	352
39.00	1500	63.00	2729	82.00	234	128.00	215
40.00	415	64.00	156	87.00	4344	130.00	324
44.00	1151	68.00	7349	88.00	3914	137.00	137
45.00	799	69.00	8101	91.00	161	141.00	987
47.00	1159	70.00	608	92.00	2253	143.00	926
48.00	672	72.00	243	93.00	3345	161.00	142
49.00	4085	73.00	3489	94.00	9630	173.00	389
50.00	16026	74.00	13997	95.00	83072	174.00	70528
51.00	6439	75.00	41032	96.00	5989	175.00	5340
52.00	385	76.00	3846	104.00	134	176.00	67672
56.00	1362	77.00	525	106.00	291	177.00	4503
57.00	2269	78.00	150	116.00	245		

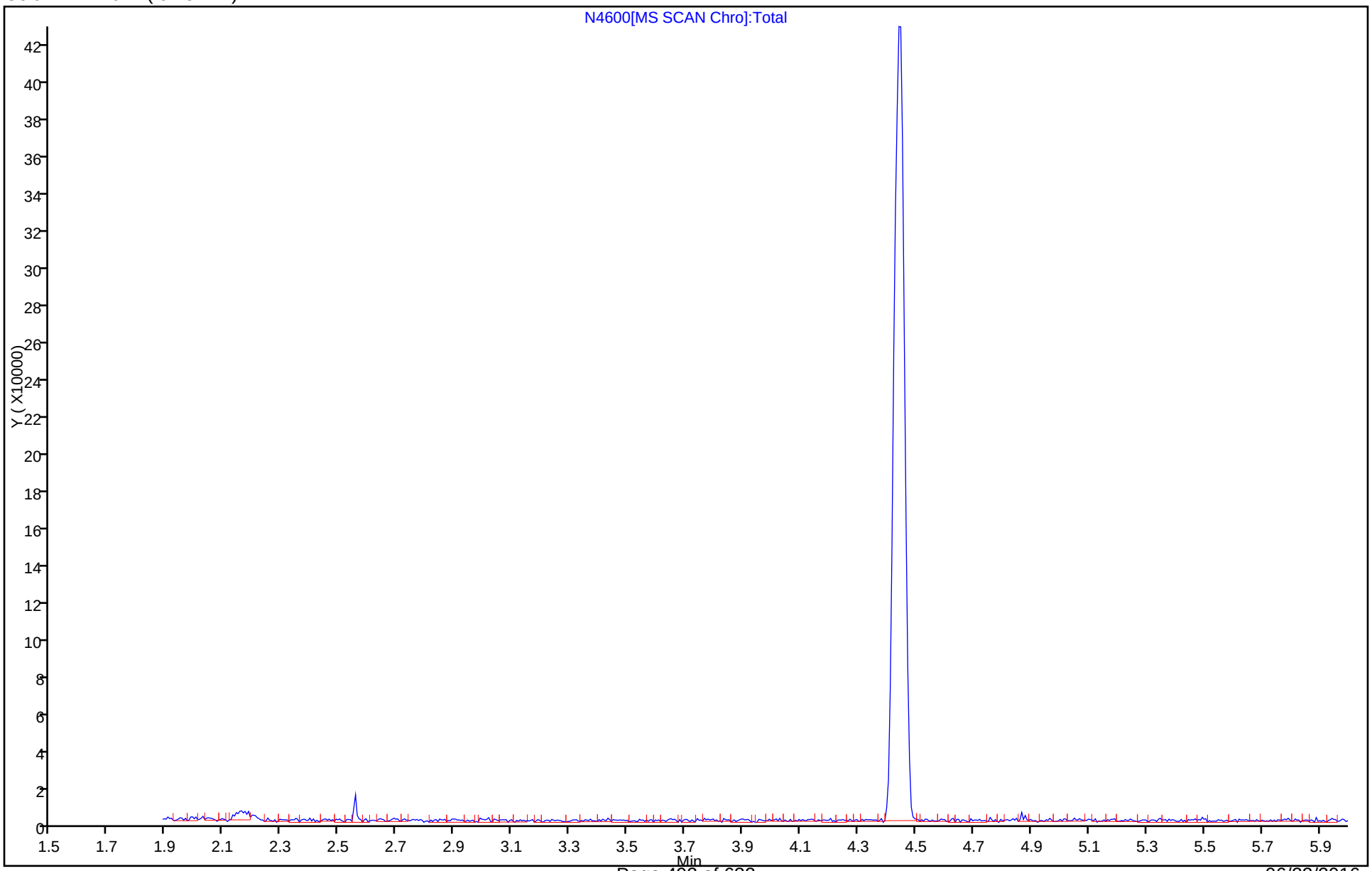
Report Date: 14-Jun-2016 09:42:27 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4600.D

Injection Date:	14-Jun-2016 09:32:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306261/2-A

Matrix: Solid | Lab File ID: F7124.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.22(g) | Date Analyzed: 06/12/2016 23:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.8	0.78
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.8	0.62
75-34-3	1,1-Dichloroethane	ND		4.8	0.58
75-35-4	1,1-Dichloroethene	ND		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	ND		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.8	2.4
106-93-4	1,2-Dibromoethane	ND		4.8	0.61
95-50-1	1,2-Dichlorobenzene	ND		4.8	0.37
107-06-2	1,2-Dichloroethane	ND		4.8	0.24
78-87-5	1,2-Dichloropropane	ND		4.8	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.8	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.8	0.67
78-93-3	2-Butanone (MEK)	ND		24	1.8
591-78-6	2-Hexanone	ND		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	ND		24	4.0
71-43-2	Benzene	ND		4.8	0.23
75-27-4	Bromodichloromethane	ND		4.8	0.64
75-25-2	Bromoform	ND		4.8	2.4
74-83-9	Bromomethane	ND		4.8	0.43
75-15-0	Carbon disulfide	ND		4.8	2.4
56-23-5	Carbon tetrachloride	ND		4.8	0.46
108-90-7	Chlorobenzene	ND		4.8	0.63
75-00-3	Chloroethane	ND		4.8	1.1
67-66-3	Chloroform	ND		4.8	0.30
74-87-3	Chloromethane	ND		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.8	0.61
10061-01-5	cis-1,3-Dichloropropene	ND		4.8	0.69
110-82-7	Cyclohexane	ND		4.8	0.67
124-48-1	Dibromochloromethane	ND		4.8	0.61
75-71-8	Dichlorodifluoromethane	ND		4.8	0.40
100-41-4	Ethylbenzene	ND		4.8	0.33
98-82-8	Isopropylbenzene	ND		4.8	0.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306261/2-A

Matrix: Solid | Lab File ID: F7124.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.22(g) | Date Analyzed: 06/12/2016 23:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.8	2.9
1634-04-4	Methyl tert-butyl ether	ND		4.8	0.47
108-87-2	Methylcyclohexane	ND		4.8	0.73
75-09-2	Methylene Chloride	ND		4.8	2.2
100-42-5	Styrene	ND		4.8	0.24
127-18-4	Tetrachloroethene	ND		4.8	0.64
108-88-3	Toluene	ND		4.8	0.36
156-60-5	trans-1,2-Dichloroethene	ND		4.8	0.49
10061-02-6	trans-1,3-Dichloropropene	ND		4.8	2.1
79-01-6	Trichloroethene	ND		4.8	1.1
75-69-4	Trichlorofluoromethane	ND		4.8	0.45
75-01-4	Vinyl chloride	ND		4.8	0.58
1330-20-7	Xylenes, Total	ND		9.6	0.80

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	71		64-126
460-00-4	4-Bromofluorobenzene (Surr)	115		72-126
2037-26-5	Toluene-d8 (Surr)	82		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7124.D
Lims ID: MB 480-306261/2-A
Client ID:
Sample Type: MB
Inject. Date: 12-Jun-2016 23:59:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 00:30:16 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 13-Jun-2016 00:30:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	224735	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	466807	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.438	10.444	-0.006	96	411803	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.756	4.762	-0.006	92	200079	50.0	38.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	115061	50.0	35.4	
$ 5 Toluene-d8 (Surr)	98	6.648	6.647	0.001	93	831353	50.0	41.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	374034	50.0	57.6	
10 Dichlorodifluoromethane	85		1.853					ND	
11 Chlorodifluoromethane	51		1.866					ND	
12 Chloromethane	50		2.018					ND	
13 Vinyl chloride	62		2.127					ND	
151 Butadiene	54		2.127					ND	
14 Bromomethane	94		2.401					ND	
15 Chloroethane	64		2.462					ND	
16 Dichlorofluoromethane	67		2.620					ND	
17 Trichlorofluoromethane	101		2.663					ND	
148 Ethanol	45		2.821					ND	
18 Ethyl ether	59		2.839					ND	
19 Propene oxide	58		2.924					ND	
20 Acrolein	56		2.997					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.028					ND	
22 1,1-Dichloroethene	96		3.052					ND	
23 Acetone	43	3.119	3.107	0.012	99	10734		1.42	
24 Isopropyl alcohol	45		3.192					ND	
25 Iodomethane	142		3.204					ND	
26 Carbon disulfide	76		3.259					ND	
28 3-Chloro-1-propene	41		3.320					ND	
27 Methyl acetate	43		3.320					ND	
29 Acetonitrile	40		3.356					ND	
30 Methylene Chloride	84		3.429					ND	
31 2-Methyl-2-propanol	59		3.484					ND	
32 Methyl tert-butyl ether	73		3.575					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96		3.612					ND	
33 Acrylonitrile	53		3.630					ND	
35 Hexane	57		3.745					ND	
134 Halothane	117		3.892					ND	
36 Isopropyl ether	45		3.898					ND	
37 Vinyl acetate	43		3.928					ND	
39 1,1-Dichloroethane	63		3.940					ND	
38 1,1-Dimethoxyethane	75		3.965					ND	
40 2-Chloro-1,3-butadiene	53		3.989					ND	
41 Tert-butyl ethyl ether	59		4.171					ND	
44 2,2-Dichloropropane	77		4.372					ND	
42 Ethyl acetate	43		4.372					ND	
43 2-Butanone (MEK)	43		4.378					ND	
45 cis-1,2-Dichloroethene	96		4.390					ND	
46 Propionitrile	54		4.470					ND	
47 Methacrylonitrile	41		4.561					ND	
48 Chlorobromomethane	128		4.591					ND	
49 Tetrahydrofuran	42		4.609					ND	
50 Chloroform	83		4.628					ND	
51 1,1,1-Trichloroethane	97		4.768					ND	
52 Cyclohexane	56		4.792					ND	
54 1,1-Dichloropropene	75		4.883					ND	
55 Carbon tetrachloride	117		4.895					ND	
53 Isobutyl alcohol	43		4.950					ND	
147 t-Amyl alcohol	59		5.017					ND	
152 Isooctane	57		5.035					ND	
57 Benzene	78		5.066					ND	
56 Tert-amyl methyl ether	73		5.084					ND	
58 1,2-Dichloroethane	62		5.102					ND	
59 n-Heptane	43		5.163					ND	
1 1,4-Difluorobenzene	114		5.346					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.467					ND	
60 n-Butanol	56		5.486					ND	
62 Trichloroethene	95		5.583					ND	
137 Ethyl acrylate	55		5.650					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.656					ND	
64 Methylcyclohexane	83		5.723					ND	
65 1,2-Dichloropropane	63		5.802					ND	
63 Methyl methacrylate	41		5.814					ND	
66 1,4-Dioxane	88		5.911					ND	
67 Dibromomethane	93		5.936					ND	
68 Dichlorobromomethane	83		6.045					ND	
69 2-Chloroethyl vinyl ether	63		6.252					ND	
70 2-Nitropropane	43		6.258					ND	
71 Epichlorohydrin	57		6.368					ND	
72 cis-1,3-Dichloropropene	75		6.422					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.526					ND	
74 Toluene	92		6.714					ND	
77 trans-1,3-Dichloropropene	75		6.939					ND	
75 Ethyl methacrylate	69		6.939					ND	
79 1,1,2-Trichloroethane	83		7.134					ND	
81 Tetrachloroethene	166		7.231					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
82 1,3-Dichloropropane	76		7.298					ND	
80 2-Hexanone	43		7.310					ND	
155 n-Butyl acetate	43		7.390					ND	
83 Chlorodibromomethane	129		7.536					ND	
84 Ethylene Dibromide	107		7.663					ND	
146 1-Chlorohexane	55		8.016					ND	
85 3-Chlorobenzotrifluoride	180		8.022					ND	
86 4-Chlorobenzotrifluoride	180		8.077					ND	
87 Chlorobenzene	112		8.113					ND	
88 Ethylbenzene	91		8.180					ND	
89 1,1,1,2-Tetrachloroethane	131		8.199					ND	
90 m-Xylene & p-Xylene	106		8.296					ND	
91 o-Xylene	106		8.728					ND	
92 Styrene	104		8.752					ND	
93 2-Chlorobenzotrifluoride	180		9.008					ND	
95 Bromoform	173		9.020					ND	
94 Isopropylbenzene	105		9.099					ND	
96 Cyclohexanone	55		9.300					ND	
101 Bromobenzene	156		9.482					ND	
97 1,1,2,2-Tetrachloroethane	83		9.482					ND	
98 trans-1,4-Dichloro-2-buten	53		9.519					ND	
99 N-Propylbenzene	91		9.525					ND	
100 1,2,3-Trichloropropane	110		9.537					ND	
103 2-Chlorotoluene	126		9.653					ND	
102 1,3,5-Trimethylbenzene	105		9.695					ND	
104 3-Chlorotoluene	126		9.714					ND	
105 4-Chlorotoluene	126		9.762					ND	
106 tert-Butylbenzene	134		10.018					ND	
107 1,2,4-Trimethylbenzene	105		10.072					ND	
108 Pentachloroethane	167		10.091					ND	
109 sec-Butylbenzene	105		10.224					ND	
110 4-Isopropyltoluene	119		10.352					ND	
111 1,3-Dichlorobenzene	146		10.383					ND	
114 Dicyclopentadiene	66		10.456					ND	
113 1,4-Dichlorobenzene	146		10.468					ND	
112 1,2,3-Trimethylbenzene	105		10.480					ND	
150 Benzyl chloride	126		10.596					ND	
115 n-Butylbenzene	91		10.729					ND	
116 1,2-Dichlorobenzene	146		10.815					ND	
76 2-Methylthiophene	97		10.900					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496					ND	
118 1,3,5-Trichlorobenzene	180		11.624					ND	
119 1,2,4-Trichlorobenzene	180		12.129					ND	
120 Hexachlorobutadiene	225		12.226					ND	
121 Naphthalene	128	12.354	12.354	0.000	93	7256		0.3496	
122 1,2,3-Trichlorobenzene	180		12.561					ND	
149 2-Methylnaphthalene	142		13.376					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

Reagents:

F 8260 IS_00454	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent

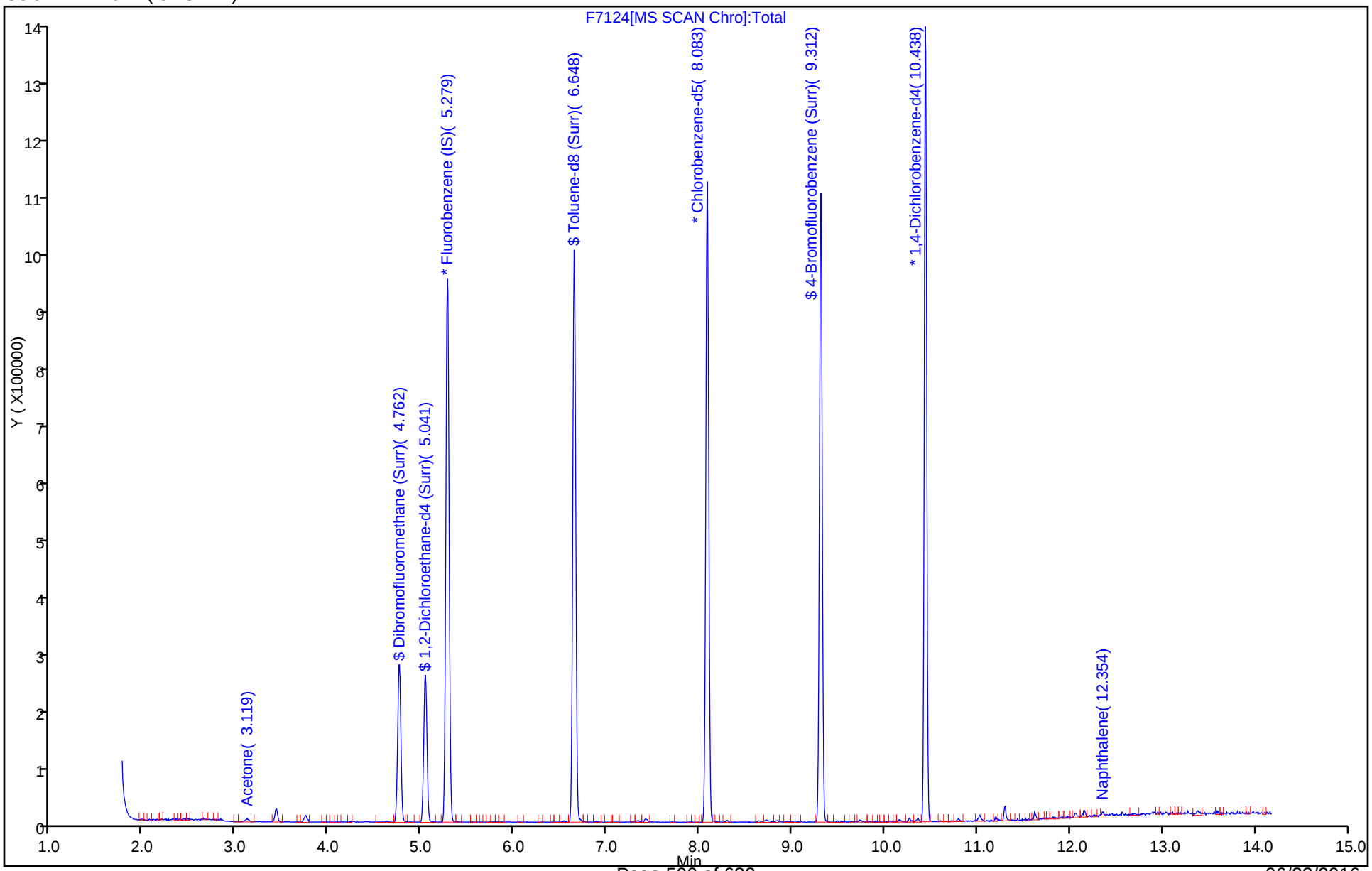
Report Date: 13-Jun-2016 00:30:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7124.D

Injection Date:	12-Jun-2016 23:59:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	MB 480-306261/2-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7124.D
Lims ID: MB 480-306261/2-A
Client ID:
Sample Type: MB
Inject. Date: 12-Jun-2016 23:59:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info:
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 00:30:16 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 13-Jun-2016 00:30:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	38.9	77.72
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	35.4	70.89
$ 5 Toluene-d8 (Surr)	50.0	41.2	82.39
$ 6 4-Bromofluorobenzene (Surr)	50.0	57.6	115.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306409/2-A

Matrix: Solid | Lab File ID: F7152.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.09(g) | Date Analyzed: 06/13/2016 12:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.64
75-34-3	1,1-Dichloroethane	ND		4.9	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.5
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
78-87-5	1,2-Dichloropropane	ND		4.9	2.5
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.69
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.66
75-25-2	Bromoform	ND		4.9	2.5
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.5
56-23-5	Carbon tetrachloride	ND		4.9	0.48
108-90-7	Chlorobenzene	ND		4.9	0.65
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.30
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.71
110-82-7	Cyclohexane	ND		4.9	0.69
124-48-1	Dibromochloromethane	ND		4.9	0.63
75-71-8	Dichlorodifluoromethane	ND		4.9	0.41
100-41-4	Ethylbenzene	ND		4.9	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306409/2-A

Matrix: Solid | Lab File ID: F7152.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.09(g) | Date Analyzed: 06/13/2016 12:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	3.0
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.75
75-09-2	Methylene Chloride	ND		4.9	2.3
100-42-5	Styrene	ND		4.9	0.25
127-18-4	Tetrachloroethene	ND		4.9	0.66
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.2
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.60
1330-20-7	Xylenes, Total	ND		9.8	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
2037-26-5	Toluene-d8 (Surr)	98		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7152.D
Lims ID: MB 480-306409/2-A
Client ID:
Sample Type: MB
Inject. Date: 13-Jun-2016 12:51:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0053989-007
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 13:02:56 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 13:10:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	223533	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	450748	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.438	0.006	96	399797	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.762	4.762	0.000	92	253633	50.0	49.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	160672	50.0	49.8	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	955612	50.0	49.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	312638	50.0	49.8	
10 Dichlorodifluoromethane	85		1.848					ND	
11 Chlorodifluoromethane	51		1.866					ND	
12 Chloromethane	50		2.012					ND	
13 Vinyl chloride	62		2.121					ND	
151 Butadiene	54		2.127					ND	
14 Bromomethane	94		2.395					ND	
15 Chloroethane	64		2.456					ND	
16 Dichlorofluoromethane	67		2.626					ND	
17 Trichlorofluoromethane	101		2.669					ND	
148 Ethanol	45		2.809					ND	
18 Ethyl ether	59		2.839					ND	
19 Propene oxide	58		2.924					ND	
20 Acrolein	56		2.991					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022					ND	
22 1,1-Dichloroethene	96		3.046					ND	
23 Acetone	43		3.101					ND	
25 Iodomethane	142		3.198					ND	
24 Isopropyl alcohol	45		3.198					ND	
26 Carbon disulfide	76		3.253					ND	
27 Methyl acetate	43		3.314					ND	
28 3-Chloro-1-propene	41		3.320					ND	
29 Acetonitrile	40		3.356					ND	
31 2-Methyl-2-propanol	59		3.478					ND	
32 Methyl tert-butyl ether	73		3.575					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96		3.612					ND	
33 Acrylonitrile	53		3.624					ND	
134 Halothane	117		3.898					ND	
36 Isopropyl ether	45		3.898					ND	
37 Vinyl acetate	43		3.922					ND	
39 1,1-Dichloroethane	63		3.940					ND	
38 1,1-Dimethoxyethane	75		3.971					ND	
40 2-Chloro-1,3-butadiene	53		3.989					ND	
41 Tert-butyl ethyl ether	59		4.172					ND	
43 2-Butanone (MEK)	43		4.372					ND	
42 Ethyl acetate	43		4.372					ND	
44 2,2-Dichloropropane	77		4.378					ND	
45 cis-1,2-Dichloroethene	96		4.384					ND	
46 Propionitrile	54		4.470					ND	
47 Methacrylonitrile	41		4.561					ND	
48 Chlorobromomethane	128		4.585					ND	
49 Tetrahydrofuran	42		4.603					ND	
50 Chloroform	83		4.622					ND	
51 1,1,1-Trichloroethane	97		4.768					ND	
52 Cyclohexane	56		4.792					ND	
54 1,1-Dichloropropene	75		4.883					ND	
55 Carbon tetrachloride	117		4.889					ND	
53 Isobutyl alcohol	43		4.944					ND	
147 t-Amyl alcohol	59		5.023					ND	
152 Isooctane	57		5.035					ND	
57 Benzene	78		5.066					ND	
56 Tert-amyl methyl ether	73		5.084					ND	
58 1,2-Dichloroethane	62		5.102					ND	
59 n-Heptane	43		5.157					ND	
1 1,4-Difluorobenzene	114		5.346					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.467					ND	
60 n-Butanol	56		5.486					ND	
62 Trichloroethene	95		5.583					ND	
137 Ethyl acrylate	55		5.650					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.650					ND	
64 Methylcyclohexane	83		5.717					ND	
65 1,2-Dichloropropane	63		5.796					ND	
63 Methyl methacrylate	41		5.814					ND	
66 1,4-Dioxane	88		5.911					ND	
67 Dibromomethane	93		5.930					ND	
68 Dichlorobromomethane	83		6.039					ND	
69 2-Chloroethyl vinyl ether	63		6.252					ND	
70 2-Nitropropane	43		6.252					ND	
71 Epichlorohydrin	57		6.368					ND	
72 cis-1,3-Dichloropropene	75		6.422					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520					ND	
74 Toluene	92		6.714					ND	
77 trans-1,3-Dichloropropene	75		6.940					ND	
75 Ethyl methacrylate	69		6.940					ND	
79 1,1,2-Trichloroethane	83		7.128					ND	
81 Tetrachloroethene	166		7.232					ND	
82 1,3-Dichloropropane	76		7.292					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
80 2-Hexanone	43		7.311					ND	
155 n-Butyl acetate	43		7.390					ND	
83 Chlorodibromomethane	129		7.536					ND	
84 Ethylene Dibromide	107		7.663					ND	
146 1-Chlorohexane	55		8.016					ND	
85 3-Chlorobenzotrifluoride	180		8.022					ND	
86 4-Chlorobenzotrifluoride	180		8.077					ND	
87 Chlorobenzene	112		8.114					ND	
88 Ethylbenzene	91		8.181					ND	
89 1,1,1,2-Tetrachloroethane	131		8.193					ND	
90 m-Xylene & p-Xylene	106		8.296					ND	
91 o-Xylene	106		8.728					ND	
92 Styrene	104		8.746					ND	
93 2-Chlorobenzotrifluoride	180		9.002					ND	
95 Bromoform	173		9.020					ND	
94 Isopropylbenzene	105		9.093					ND	
96 Cyclohexanone	55		9.294					ND	
101 Bromobenzene	156		9.482					ND	
97 1,1,2,2-Tetrachloroethane	83		9.482					ND	
98 trans-1,4-Dichloro-2-buten	53		9.525					ND	
99 N-Propylbenzene	91		9.525					ND	
100 1,2,3-Trichloropropane	110		9.531					ND	
103 2-Chlorotoluene	126		9.653					ND	
102 1,3,5-Trimethylbenzene	105		9.695					ND	
104 3-Chlorotoluene	126		9.714					ND	
105 4-Chlorotoluene	126		9.762					ND	
106 tert-Butylbenzene	134		10.018					ND	
107 1,2,4-Trimethylbenzene	105		10.073					ND	
108 Pentachloroethane	167		10.091					ND	
109 sec-Butylbenzene	105		10.225					ND	
110 4-Isopropyltoluene	119		10.352					ND	
111 1,3-Dichlorobenzene	146		10.383					ND	
114 Dicyclopentadiene	66		10.456					ND	
113 1,4-Dichlorobenzene	146		10.462					ND	
112 1,2,3-Trimethylbenzene	105		10.480					ND	
150 Benzyl chloride	126		10.596					ND	
115 n-Butylbenzene	91		10.730					ND	
116 1,2-Dichlorobenzene	146		10.809					ND	
76 2-Methylthiophene	97		10.900					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496					ND	
118 1,3,5-Trichlorobenzene	180		11.624					ND	
119 1,2,4-Trichlorobenzene	180		12.129					ND	
120 Hexachlorobutadiene	225		12.226					ND	
121 Naphthalene	128		12.354					ND	
122 1,2,3-Trichlorobenzene	180		12.561					ND	
149 2-Methylnaphthalene	142	13.388	13.376	0.012	1	2006		0.1507	M
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

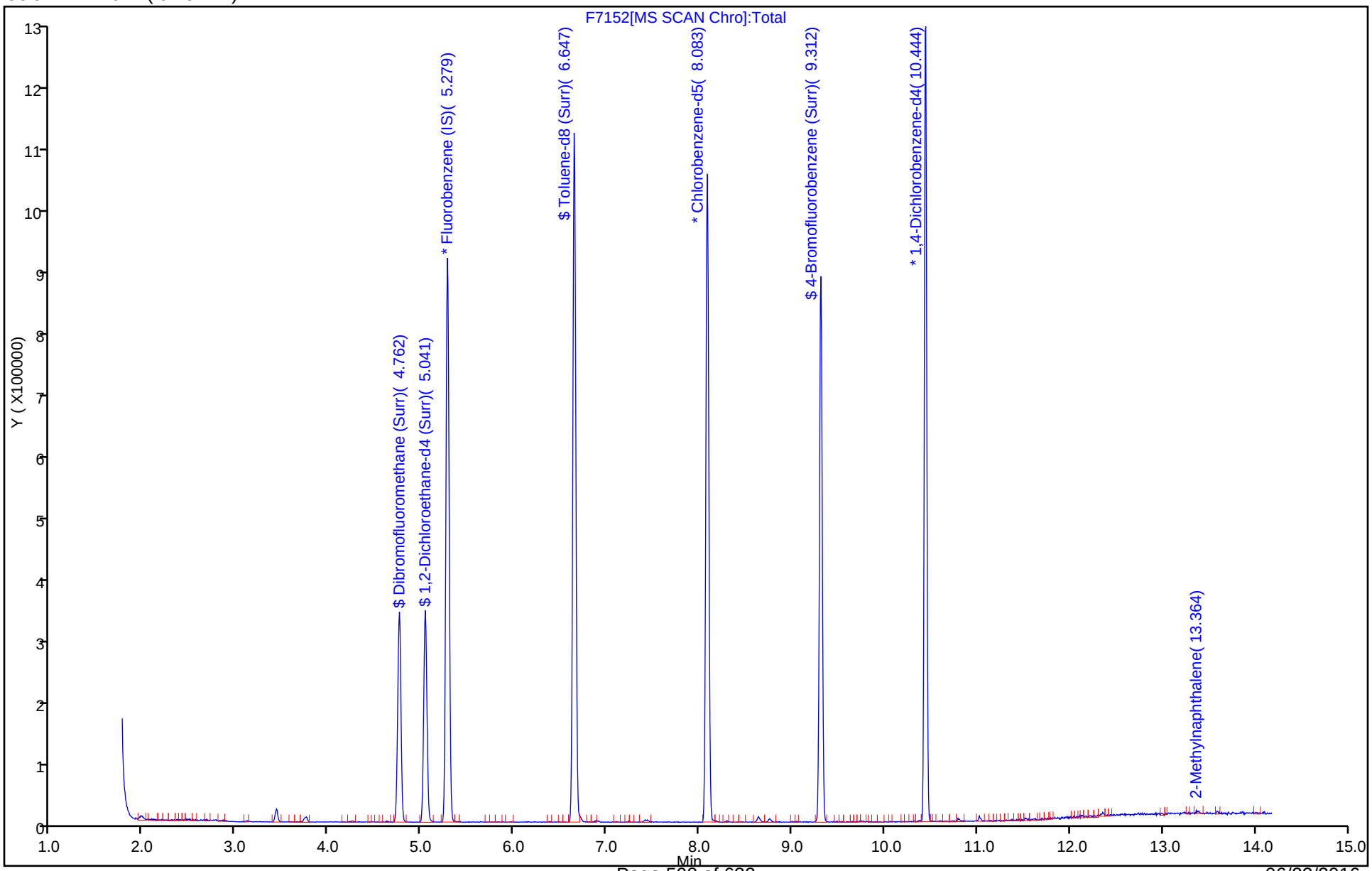
Report Date: 13-Jun-2016 13:10:11 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7152.D

Injection Date:	13-Jun-2016 12:51:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	MB 480-306409/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7152.D
Lims ID: MB 480-306409/2-A
Client ID:
Sample Type: MB
Inject. Date: 13-Jun-2016 12:51:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0053989-007
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 13:02:56 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 13:10:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	49.5	99.06
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	49.8	99.53
$ 5 Toluene-d8 (Surr)	50.0	49.0	98.08
$ 6 4-Bromofluorobenzene (Surr)	50.0	49.8	99.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306454/2-A

Matrix: Solid | Lab File ID: N4581.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 00:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306479 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	28
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50
79-00-5	1,1,2-Trichloroethane	ND		100	21
75-34-3	1,1-Dichloroethane	ND		100	31
75-35-4	1,1-Dichloroethene	ND		100	35
120-82-1	1,2,4-Trichlorobenzene	ND		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	50
106-93-4	1,2-Dibromoethane	ND		100	17
95-50-1	1,2-Dichlorobenzene	ND		100	25
107-06-2	1,2-Dichloroethane	ND		100	41
78-87-5	1,2-Dichloropropane	ND		100	16
541-73-1	1,3-Dichlorobenzene	ND		100	27
106-46-7	1,4-Dichlorobenzene	ND		100	14
78-93-3	2-Butanone (MEK)	ND		500	300
591-78-6	2-Hexanone	ND		500	200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	32
67-64-1	Acetone	ND		500	410
71-43-2	Benzene	ND		100	19
75-27-4	Bromodichloromethane	ND		100	20
75-25-2	Bromoform	ND		100	50
74-83-9	Bromomethane	ND		100	22
75-15-0	Carbon disulfide	ND		100	45
56-23-5	Carbon tetrachloride	ND		100	25
108-90-7	Chlorobenzene	ND		100	13
75-00-3	Chloroethane	ND		100	21
67-66-3	Chloroform	ND		100	68
74-87-3	Chloromethane	ND		100	24
156-59-2	cis-1,2-Dichloroethene	ND		100	28
10061-01-5	cis-1,3-Dichloropropene	ND		100	24
110-82-7	Cyclohexane	ND		100	22
124-48-1	Dibromochloromethane	ND		100	48
75-71-8	Dichlorodifluoromethane	ND		100	44
100-41-4	Ethylbenzene	ND		100	29
98-82-8	Isopropylbenzene	ND		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306454/2-A

Matrix: Solid | Lab File ID: N4581.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.01(g) | Date Analyzed: 06/14/2016 00:57

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306479 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	48
1634-04-4	Methyl tert-butyl ether	ND		100	38
108-87-2	Methylcyclohexane	ND		100	47
75-09-2	Methylene Chloride	ND		100	20
100-42-5	Styrene	ND		100	24
127-18-4	Tetrachloroethene	ND		100	13
108-88-3	Toluene	ND		100	27
156-60-5	trans-1,2-Dichloroethene	ND		100	24
10061-02-6	trans-1,3-Dichloropropene	ND		100	9.8
79-01-6	Trichloroethene	ND		100	28
75-69-4	Trichlorofluoromethane	ND		100	47
75-01-4	Vinyl chloride	ND		100	33
1330-20-7	Xylenes, Total	ND		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		53-146
460-00-4	4-Bromofluorobenzene (Surr)	112		49-148
2037-26-5	Toluene-d8 (Surr)	93		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4581.D
Lims ID: MB 480-306454/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Jun-2016 00:57:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-306454/2-A
Misc. Info.: 480-0054004-009
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:41:09 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: fortaing Date: 14-Jun-2016 01:41:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	89450	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.564	8.564	0.000	89	298502	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	150150	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	93	89127	25.0	21.6	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	125784	25.0	23.3	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	383651	25.0	23.2	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	89	126235	25.0	28.0	
11 Dichlorodifluoromethane	85		1.391					ND	
12 Chlorodifluoromethane	51		1.415					ND	
13 Chloromethane	50		1.549					ND	
14 Vinyl chloride	62		1.665					ND	
144 Butadiene	54		1.683					ND	
15 Bromomethane	94		1.963					ND	
16 Chloroethane	64		2.078					ND	
17 Dichlorofluoromethane	67		2.291					ND	
18 Trichlorofluoromethane	101		2.328					ND	
141 Ethanol	45		2.565					ND	
19 Ethyl ether	59		2.589					ND	
81 Propene oxide	58		2.662					ND	
20 Acrolein	56		2.742					ND	
22 1,1-Dichloroethene	96		2.802					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.821					ND	
23 Acetone	43		2.900					ND	
24 Iodomethane	142		2.954					ND	
25 Carbon disulfide	76		3.003					ND	
26 Isopropyl alcohol	45		3.076					ND	
27 3-Chloro-1-propene	41		3.167					ND	
29 Acetonitrile	40		3.192					ND	
28 Methyl acetate	43		3.204					ND	
30 Methylene Chloride	84		3.301					ND	
31 2-Methyl-2-propanol	59		3.459					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.532					ND	
33 trans-1,2-Dichloroethene	96		3.545					ND	
34 Acrylonitrile	53		3.563					ND	
35 Hexane	57		3.764					ND	
36 1,1-Dichloroethane	63		3.952					ND	
37 Isopropyl ether	45		3.989					ND	
39 Vinyl acetate	43		4.007					ND	
38 2-Chloro-1,3-butadiene	53		4.025					ND	
40 1,1-Dimethoxyethane	75		4.049					ND	
41 Tert-butyl ethyl ether	59		4.329					ND	
42 2,2-Dichloropropane	77		4.481					ND	
43 cis-1,2-Dichloroethene	96		4.506					ND	
44 2-Butanone (MEK)	43		4.524					ND	
45 Ethyl acetate	43		4.573					ND	
46 Propionitrile	54		4.615					ND	
48 Methacrylonitrile	67		4.737					ND	
47 Chlorobromomethane	128		4.737					ND	
49 Tetrahydrofuran	42		4.767					ND	
50 Chloroform	83		4.810					ND	
51 1,1,1-Trichloroethane	97		4.944					ND	
52 Cyclohexane	56		4.968					ND	
53 Carbon tetrachloride	117		5.090					ND	
54 1,1-Dichloropropene	75		5.096					ND	
56 Isobutyl alcohol	43		5.278					ND	
55 Benzene	78		5.297					ND	
146 Isooctane	57		5.327					ND	
140 t-Amyl alcohol	59		5.345					ND	
57 1,2-Dichloroethane	62		5.345					ND	
58 Tert-amyl methyl ether	73		5.382					ND	
59 n-Heptane	43		5.503					ND	
1 1,4-Difluorobenzene	114		5.674					ND	
61 n-Butanol	56		5.899					ND	
60 Trichloroethene	95		5.905					ND	
145 Ethyl acrylate	55		6.021					ND	
62 Methylcyclohexane	83		6.051					ND	
63 1,2-Dichloropropane	63		6.136					ND	
65 Methyl methacrylate	41		6.240					ND	
64 Dibromomethane	93		6.264					ND	
66 1,4-Dioxane	88		6.282					ND	
67 Dichlorobromomethane	83		6.422					ND	
68 2-Nitropropane	43		6.653					ND	
69 2-Chloroethyl vinyl ether	63		6.702					ND	
70 Epichlorohydrin	57		6.781					ND	
71 cis-1,3-Dichloropropene	75		6.842					ND	
72 4-Methyl-2-pentanone (MIBK	58		6.982					ND	
73 Toluene	92		7.146					ND	
74 2-Methylthiophene	97		7.280					ND	
75 trans-1,3-Dichloropropene	75		7.402					ND	
76 3-Methylthiophene	97		7.438					ND	
77 Ethyl methacrylate	69		7.462					ND	
78 1,1,2-Trichloroethane	83		7.596					ND	
79 Tetrachloroethene	166		7.687					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.754					ND	
82 2-Hexanone	43		7.821					ND	
149 n-Butyl acetate	43		7.943					ND	
83 Chlorodibromomethane	129		7.992					ND	
84 Ethylene Dibromide	107		8.101					ND	
139 1-Chlorohexane	55		8.545					ND	
86 3-Chlorobenzotrifluoride	180		8.557					ND	
85 Chlorobenzene	112		8.588					ND	
87 4-Chlorobenzotrifluoride	180		8.624					ND	
89 1,1,1,2-Tetrachloroethane	131		8.685					ND	
88 Ethylbenzene	91		8.685					ND	
90 m-Xylene & p-Xylene	106		8.813					ND	
91 o-Xylene	106		9.239					ND	
92 Styrene	104		9.263					ND	
93 Bromoform	173		9.494					ND	
94 2-Chlorobenzotrifluoride	180		9.537					ND	
95 Isopropylbenzene	105		9.622					ND	
96 Cyclohexanone	55		9.762					ND	
97 Bromobenzene	156		9.957					ND	
98 1,1,2,2-Tetrachloroethane	83		9.987					ND	
99 1,2,3-Trichloropropane	110		10.024					ND	
101 trans-1,4-Dichloro-2-buten	53		10.036					ND	
100 N-Propylbenzene	91		10.042					ND	
102 2-Chlorotoluene	126		10.139					ND	
103 3-Chlorotoluene	126		10.206					ND	
104 1,3,5-Trimethylbenzene	105		10.218					ND	
105 4-Chlorotoluene	91		10.249					ND	
106 tert-Butylbenzene	134		10.535					ND	
108 1,2,4-Trimethylbenzene	105		10.583					ND	
107 Pentachloroethane	167		10.583					ND	
109 sec-Butylbenzene	105		10.748					ND	
110 1,3-Dichlorobenzene	146		10.869					ND	
111 4-Isopropyltoluene	119		10.881					ND	
112 Dicyclopentadiene	66		10.948					ND	
113 1,4-Dichlorobenzene	146		10.954					ND	
114 1,2,3-Trimethylbenzene	105		10.991					ND	
143 Benzyl chloride	126		11.094					ND	
115 n-Butylbenzene	91		11.265					ND	
116 1,2-Dichlorobenzene	146		11.307					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.025					ND	
118 1,3,5-Trichlorobenzene	180		12.177					ND	
119 1,2,4-Trichlorobenzene	180		12.713					ND	
120 Hexachlorobutadiene	225		12.834					ND	
121 Naphthalene	128		12.925					ND	
122 1,2,3-Trichlorobenzene	180		13.126					ND	
142 2-Methylnaphthalene	142		13.838					ND	
138 1-Bromopropane	1		0.000					ND	
133 Halothane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

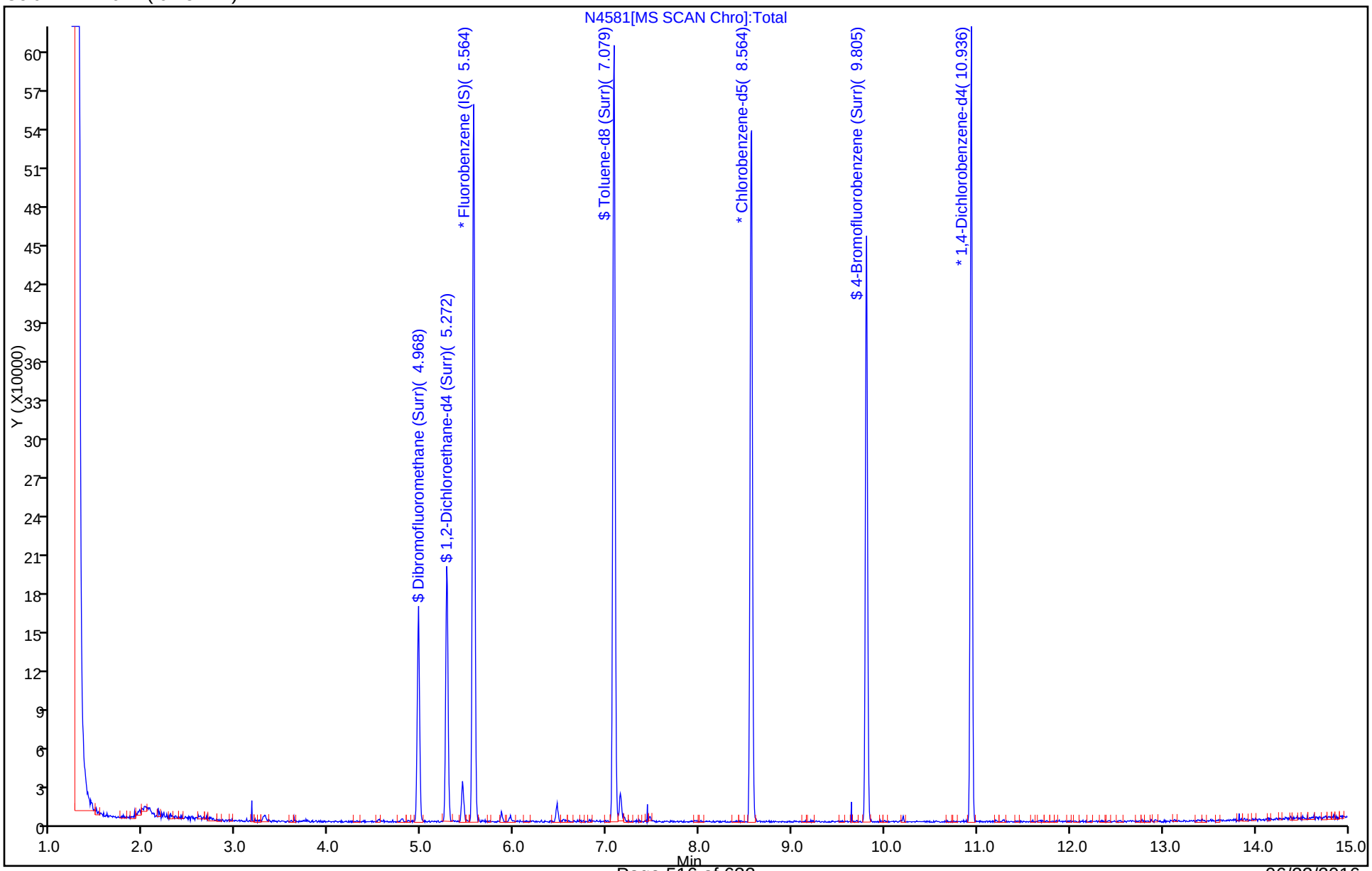
Report Date: 14-Jun-2016 01:41:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4581.D

Injection Date:	14-Jun-2016 00:57:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	MB 480-306454/2-A			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4581.D				
Lims ID:	MB 480-306454/2-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-Jun-2016 00:57:30	ALS Bottle#:	7	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB 480-306454/2-A				
Misc. Info.:	480-0054004-009				
Operator ID:	GF	Instrument ID:	HP5973N		
Method:	\\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 01:41:09	Calib Date:	19-May-2016 01:06:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK050				

First Level Reviewer: fortaing Date: 14-Jun-2016 01:41:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	21.6	86.45
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.3	93.03
$ 6 Toluene-d8 (Surr)	25.0	23.2	92.71
$ 7 4-Bromofluorobenzene (Surr)	25.0	28.0	112.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306491/2-A

Matrix: Solid | Lab File ID: F7179.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 01:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
78-93-3	2-Butanone (MEK)	ND		25	1.8
591-78-6	2-Hexanone	ND		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.24
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.34
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306491/2-A

Matrix: Solid | Lab File ID: F7179.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 01:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	3.0
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.51
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		9.9	0.83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
2037-26-5	Toluene-d8 (Surr)	96		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7179.D
Lims ID: MB 480-306491/2-A
Client ID:
Sample Type: MB
Inject. Date: 14-Jun-2016 01:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB 480-306491/2-A
Misc. Info.: 480-0054007-007
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:20:27 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 14-Jun-2016 01:20:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	198191	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	407477	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.444	-0.001	96	350126	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.755	0.000	92	225559	50.0	49.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	144921	50.0	50.6	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	844170	50.0	47.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	272413	50.0	48.0	
10 Dichlorodifluoromethane	85		1.848					ND	
11 Chlorodifluoromethane	51		1.860					ND	
12 Chloromethane	50		2.012					ND	
13 Vinyl chloride	62		2.115					ND	
151 Butadiene	54		2.121					ND	
14 Bromomethane	94		2.395					ND	
15 Chloroethane	64		2.462					ND	
16 Dichlorofluoromethane	67		2.620					ND	
17 Trichlorofluoromethane	101		2.645					ND	
18 Ethyl ether	59		2.833					ND	
148 Ethanol	45		2.839					ND	
19 Propene oxide	58		2.924					ND	
20 Acrolein	56		2.991					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		3.022					ND	
22 1,1-Dichloroethene	96		3.046					ND	
23 Acetone	43		3.101					ND	
24 Isopropyl alcohol	45		3.192					ND	
25 Iodomethane	142		3.198					ND	
26 Carbon disulfide	76		3.253					ND	
27 Methyl acetate	43		3.314					ND	
28 3-Chloro-1-propene	41		3.320					ND	
29 Acetonitrile	40		3.350					ND	
31 2-Methyl-2-propanol	59		3.478					ND	
32 Methyl tert-butyl ether	73		3.569					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
34 trans-1,2-Dichloroethene	96		3.612					ND	
33 Acrylonitrile	53		3.624					ND	
134 Halothane	117		3.892					ND	
36 Isopropyl ether	45		3.898					ND	
37 Vinyl acetate	43		3.922					ND	
39 1,1-Dichloroethane	63		3.934					ND	
38 1,1-Dimethoxyethane	75		3.971					ND	
40 2-Chloro-1,3-butadiene	53		3.989					ND	
41 Tert-butyl ethyl ether	59		4.165					ND	
42 Ethyl acetate	43		4.366					ND	
44 2,2-Dichloropropane	77		4.372					ND	
43 2-Butanone (MEK)	43		4.378					ND	
45 cis-1,2-Dichloroethene	96		4.384					ND	
46 Propionitrile	54		4.463					ND	
47 Methacrylonitrile	41		4.555					ND	
48 Chlorobromomethane	128		4.591					ND	
49 Tetrahydrofuran	42		4.610					ND	
50 Chloroform	83		4.622					ND	
51 1,1,1-Trichloroethane	97		4.768					ND	
52 Cyclohexane	56		4.792					ND	
54 1,1-Dichloropropene	75		4.883					ND	
55 Carbon tetrachloride	117		4.889					ND	
53 Isobutyl alcohol	43		4.944					ND	
147 t-Amyl alcohol	59		5.017					ND	
152 Isooctane	57		5.035					ND	
57 Benzene	78		5.066					ND	
56 Tert-amyl methyl ether	73		5.078					ND	
58 1,2-Dichloroethane	62		5.102					ND	
59 n-Heptane	43		5.163					ND	
1 1,4-Difluorobenzene	114		5.345					ND	
136 2,4,4-Trimethyl-1-pentene	55		5.461					ND	
60 n-Butanol	56		5.485					ND	
62 Trichloroethene	95		5.583					ND	
137 Ethyl acrylate	55		5.650					ND	
135 2,4,4-Trimethyl-2-pentene	97		5.656					ND	
64 Methylcyclohexane	83		5.723					ND	
65 1,2-Dichloropropane	63		5.802					ND	
63 Methyl methacrylate	41		5.814					ND	
66 1,4-Dioxane	88		5.905					ND	
67 Dibromomethane	93		5.930					ND	
68 Dichlorobromomethane	83		6.039					ND	
70 2-Nitropropane	43		6.252					ND	
69 2-Chloroethyl vinyl ether	63		6.252					ND	
71 Epichlorohydrin	57		6.368					ND	
72 cis-1,3-Dichloropropene	75		6.416					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.520					ND	
77 trans-1,3-Dichloropropene	75		6.933					ND	
75 Ethyl methacrylate	69		6.933					ND	
79 1,1,2-Trichloroethane	83		7.134					ND	
81 Tetrachloroethene	166		7.232					ND	
82 1,3-Dichloropropane	76		7.292					ND	
80 2-Hexanone	43		7.311					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
155 n-Butyl acetate	43		7.390					ND	
83 Chlorodibromomethane	129		7.536					ND	
84 Ethylene Dibromide	107		7.664					ND	
146 1-Chlorohexane	55		8.016					ND	
85 3-Chlorobenzotrifluoride	180		8.022					ND	
86 4-Chlorobenzotrifluoride	180		8.077					ND	
87 Chlorobenzene	112		8.114					ND	
88 Ethylbenzene	91		8.181					ND	
89 1,1,1,2-Tetrachloroethane	131		8.193					ND	
90 m-Xylene & p-Xylene	106		8.296					ND	
91 o-Xylene	106		8.728					ND	
92 Styrene	104		8.746					ND	
93 2-Chlorobenzotrifluoride	180		9.008					ND	
95 Bromoform	173		9.020					ND	
94 Isopropylbenzene	105		9.093					ND	
96 Cyclohexanone	55		9.294					ND	
97 1,1,2,2-Tetrachloroethane	83		9.483					ND	
101 Bromobenzene	156		9.483					ND	
98 trans-1,4-Dichloro-2-buten	53		9.525					ND	
99 N-Propylbenzene	91		9.525					ND	
100 1,2,3-Trichloropropane	110		9.531					ND	
103 2-Chlorotoluene	126		9.653					ND	
102 1,3,5-Trimethylbenzene	105		9.695					ND	
104 3-Chlorotoluene	126		9.713					ND	
105 4-Chlorotoluene	126		9.762					ND	
106 tert-Butylbenzene	134		10.018					ND	
107 1,2,4-Trimethylbenzene	105		10.073					ND	
108 Pentachloroethane	167		10.097					ND	
109 sec-Butylbenzene	105		10.225					ND	
110 4-Isopropyltoluene	119		10.352					ND	
111 1,3-Dichlorobenzene	146		10.383					ND	
114 Dicyclopentadiene	66		10.456					ND	
113 1,4-Dichlorobenzene	146		10.462					ND	
112 1,2,3-Trimethylbenzene	105		10.480					ND	
150 Benzyl chloride	126		10.596					ND	
115 n-Butylbenzene	91		10.730					ND	
116 1,2-Dichlorobenzene	146		10.815					ND	
76 2-Methylthiophene	97		10.900					ND	
78 3-Methylthiophene	97		11.028					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.496					ND	
118 1,3,5-Trichlorobenzene	180		11.624					ND	
119 1,2,4-Trichlorobenzene	180		12.129					ND	
120 Hexachlorobutadiene	225		12.226					ND	
121 Naphthalene	128		12.354					ND	
122 1,2,3-Trichlorobenzene	180		12.561					ND	
149 2-Methylnaphthalene	142		13.376					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
156 1-Chloro-1-fluoroethane TI	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 138 Aziridine TIC	1		0.000					ND	
T 133 cis-1,4-Dichloro-2-butene	88		0.000					ND	
T 132 Methyl acrylate	1		0.000					ND	
T 139 Bromoethane TIC	1		0.000					ND	
T 142 1-Bromopropane	1		0.000					ND	
T 141 Pentachloroethane TIC	1		0.000					ND	
T 140 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 131 Nitrobenzene	77		0.000					ND	
T 130 Hexachloroethane	117		0.000					ND	
T 129 tert-amyl alcohol TIC	59		0.000					ND	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

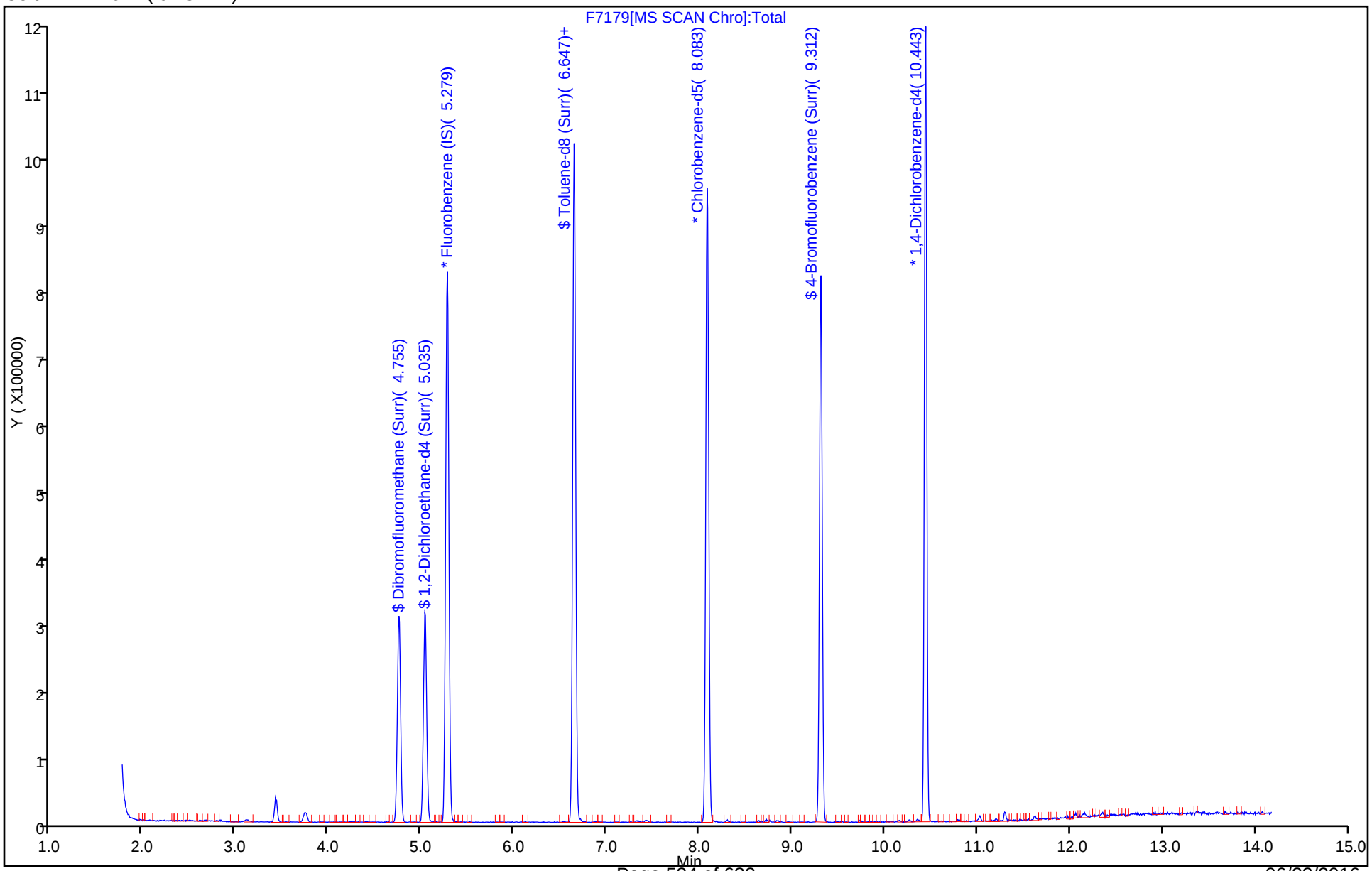
Report Date: 14-Jun-2016 01:20:29 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7179.D

Injection Date:	14-Jun-2016 01:00:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	MB 480-306491/2-A			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7179.D				
Lims ID:	MB 480-306491/2-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-Jun-2016 01:00:30	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB 480-306491/2-A				
Misc. Info.:	480-0054007-007				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 01:20:27	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK027				

First Level Reviewer: diasn Date: 14-Jun-2016 01:20:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	49.7	99.36
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.25
$ 5 Toluene-d8 (Surr)	50.0	47.9	95.84
$ 6 4-Bromofluorobenzene (Surr)	50.0	48.0	96.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306748/7

Matrix: Water | Lab File ID: C5113.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 11:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-306748/7

Matrix: Water | Lab File ID: C5113.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 11:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	93		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5113.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 15-Jun-2016 11:29:30 ALS Bottle#: 33 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0054049-007
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 11:52:53 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: goliszekg Date: 15-Jun-2016 11:53:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.357	9.357	0.000	98	119122	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.765	11.764	0.001	87	257799	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	250062	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.847	8.835	0.012	94	169373	25.0	26.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.132	0.012	0	99445	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	10.579	10.578	0.001	94	540326	25.0	23.3	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	95	182861	25.0	23.2	
10 Dichlorodifluoromethane	85		4.448					ND	
11 Chlorodifluoromethane	51		4.471					ND	
12 Chloromethane	50		4.863					ND	
13 Vinyl chloride	62		5.076					ND	
151 Butadiene	54		5.124					ND	
14 Bromomethane	94		5.681					ND	
15 Chloroethane	64		5.823					ND	
16 Dichlorofluoromethane	67		6.096					ND	
17 Trichlorofluoromethane	101		6.155					ND	
148 Ethanol	45		6.416					ND	
18 Ethyl ether	59		6.475					ND	
19 Propene oxide	58		6.618					ND	
20 Acrolein	56		6.724					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748					ND	
22 1,1-Dichloroethene	96		6.819					ND	
23 Acetone	43		6.867					ND	
24 Isopropyl alcohol	45		6.962					ND	
25 Iodomethane	142		7.056					ND	
26 Carbon disulfide	76		7.139					ND	
27 Methyl acetate	43		7.163					ND	
28 3-Chloro-1-propene	41		7.187					ND	
29 Acetonitrile	40		7.222					ND	
30 Methylene Chloride	84		7.341					ND	
31 2-Methyl-2-propanol	59		7.353					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		7.495					ND	
34 trans-1,2-Dichloroethene	96		7.566					ND	
33 Acrylonitrile	53		7.578					ND	
35 Hexane	57		7.709					ND	
36 Isopropyl ether	45		7.863					ND	
135 Halothane	117		7.863					ND	
37 Vinyl acetate	43		7.910					ND	
38 1,1-Dimethoxyethane	75		7.958					ND	
39 1,1-Dichloroethane	63		7.958					ND	
40 2-Chloro-1,3-butadiene	53		8.017					ND	
41 Tert-butyl ethyl ether	59		8.183					ND	
42 Ethyl acetate	43		8.385					ND	
43 2-Butanone (MEK)	43		8.420					ND	
44 2,2-Dichloropropane	77		8.456					ND	
45 cis-1,2-Dichloroethene	96		8.456					ND	
46 Propionitrile	54		8.527					ND	
47 Methacrylonitrile	41		8.634					ND	
48 Chlorobromomethane	128		8.681					ND	
49 Tetrahydrofuran	42		8.693					ND	
50 Chloroform	83		8.693					ND	
51 1,1,1-Trichloroethane	97		8.871					ND	
52 Cyclohexane	56		8.906					ND	
53 Isobutyl alcohol	43		8.942					ND	
54 1,1-Dichloropropene	75		8.978					ND	
55 Carbon tetrachloride	117		9.001					ND	
147 t-Amyl alcohol	59		9.037					ND	
152 Isooctane	57		9.096					ND	
56 Tert-amyl methyl ether	73		9.132					ND	
57 Benzene	78		9.179					ND	
59 n-Heptane	43		9.191					ND	
58 1,2-Dichloroethane	62		9.203					ND	
1 1,4-Difluorobenzene	114		9.393					ND	
60 n-Butanol	56		9.452					ND	
141 2,4,4-Trimethyl-1-pentene	55		9.511					ND	
142 Ethyl acrylate	55		9.594					ND	
62 Trichloroethene	95		9.642					ND	
140 2,4,4-Trimethyl-2-pentene	97		9.654					ND	
63 Methyl methacrylate	41		9.784					ND	
64 Methylcyclohexane	83		9.784					ND	
65 1,2-Dichloropropane	63		9.855					ND	
66 1,4-Dioxane	88		9.926					ND	
67 Dibromomethane	93		9.997					ND	
68 Dichlorobromomethane	83		10.057					ND	
69 2-Chloroethyl vinyl ether	63		10.175					ND	
70 2-Nitropropane	43		10.223					ND	
71 Epichlorohydrin	57		10.318					ND	
72 cis-1,3-Dichloropropene	75		10.377					ND	
73 4-Methyl-2-pentanone (MIBK	43		10.412					ND	
74 Toluene	92		10.638					ND	
75 Ethyl methacrylate	69		10.709					ND	
76 2-Methylthiophene	97		10.768					ND	
77 trans-1,3-Dichloropropene	75		10.792					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		10.887					ND	
79 1,1,2-Trichloroethane	83		10.970					ND	
80 2-Hexanone	43		11.053					ND	
155 n-Butyl acetate	43		11.065					ND	
81 Tetrachloroethene	166		11.088					ND	
82 1,3-Dichloropropane	76		11.112					ND	
83 Chlorodibromomethane	129		11.337					ND	
84 Ethylene Dibromide	107		11.468					ND	
85 3-Chlorobenzotrifluoride	180		11.610					ND	
146 1-Chlorohexane	55		11.622					ND	
86 4-Chlorobenzotrifluoride	180		11.646					ND	
87 Chlorobenzene	112		11.788					ND	
88 Ethylbenzene	91		11.800					ND	
89 1,1,1,2-Tetrachloroethane	131		11.835					ND	
90 m-Xylene & p-Xylene	106		11.871					ND	
91 o-Xylene	106		12.227					ND	
92 Styrene	104		12.239					ND	
93 2-Chlorobenzotrifluoride	180		12.405					ND	
94 Isopropylbenzene	105		12.488					ND	
95 Bromoform	173		12.523					ND	
96 Cyclohexanone	55		12.713					ND	
97 1,1,2,2-Tetrachloroethane	83		12.796					ND	
98 trans-1,4-Dichloro-2-buten	53		12.820					ND	
99 N-Propylbenzene	91		12.843					ND	
100 1,2,3-Trichloropropane	110		12.879					ND	
101 Bromobenzene	156		12.903					ND	
102 1,3,5-Trimethylbenzene	105		12.962					ND	
103 2-Chlorotoluene	126		13.009					ND	
104 3-Chlorotoluene	126		13.057					ND	
105 4-Chlorotoluene	126		13.104					ND	
106 tert-Butylbenzene	134		13.294					ND	
107 1,2,4-Trimethylbenzene	105		13.330					ND	
108 Pentachloroethane	167		13.413					ND	
109 sec-Butylbenzene	105		13.484					ND	
110 4-Isopropyltoluene	119		13.579					ND	
111 1,3-Dichlorobenzene	146		13.721					ND	
112 1,2,3-Trimethylbenzene	105		13.768					ND	
113 1,4-Dichlorobenzene	146		13.804					ND	
114 Dicyclopentadiene	66		13.816					ND	
150 Benzyl chloride	126		13.923					ND	
115 n-Butylbenzene	91		13.994					ND	
116 1,2-Dichlorobenzene	146		14.219					ND	
117 1,2-Dibromo-3-Chloropropan	75		15.108					ND	
118 1,3,5-Trichlorobenzene	180		15.274					ND	
119 1,2,4-Trichlorobenzene	180		16.128					ND	
120 Hexachlorobutadiene	225		16.235					ND	
121 Naphthalene	128		16.567					ND	
122 1,2,3-Trichlorobenzene	180		16.935					ND	
149 2-Methylnaphthalene	142		18.524					ND	
137 Nitrobenzene	77		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
138 Methyl acrylate	1		0.000					ND	
136 Hexachloroethane	117		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		5.500					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 bis(chloromethyl)ether TIC	1		0.000					ND	
T 131 Bromoethane TIC	1		0.000					ND	
T 132 Pentachloroethane TIC	1		0.000					ND	
T 133 1-Bromopropane	1		0.000					ND	
T 134 tert-amyl alcohol TIC	1		0.000					ND	

Reagents:

C_8260_IS_00076	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added:	1.00	Units: uL	Run Reagent

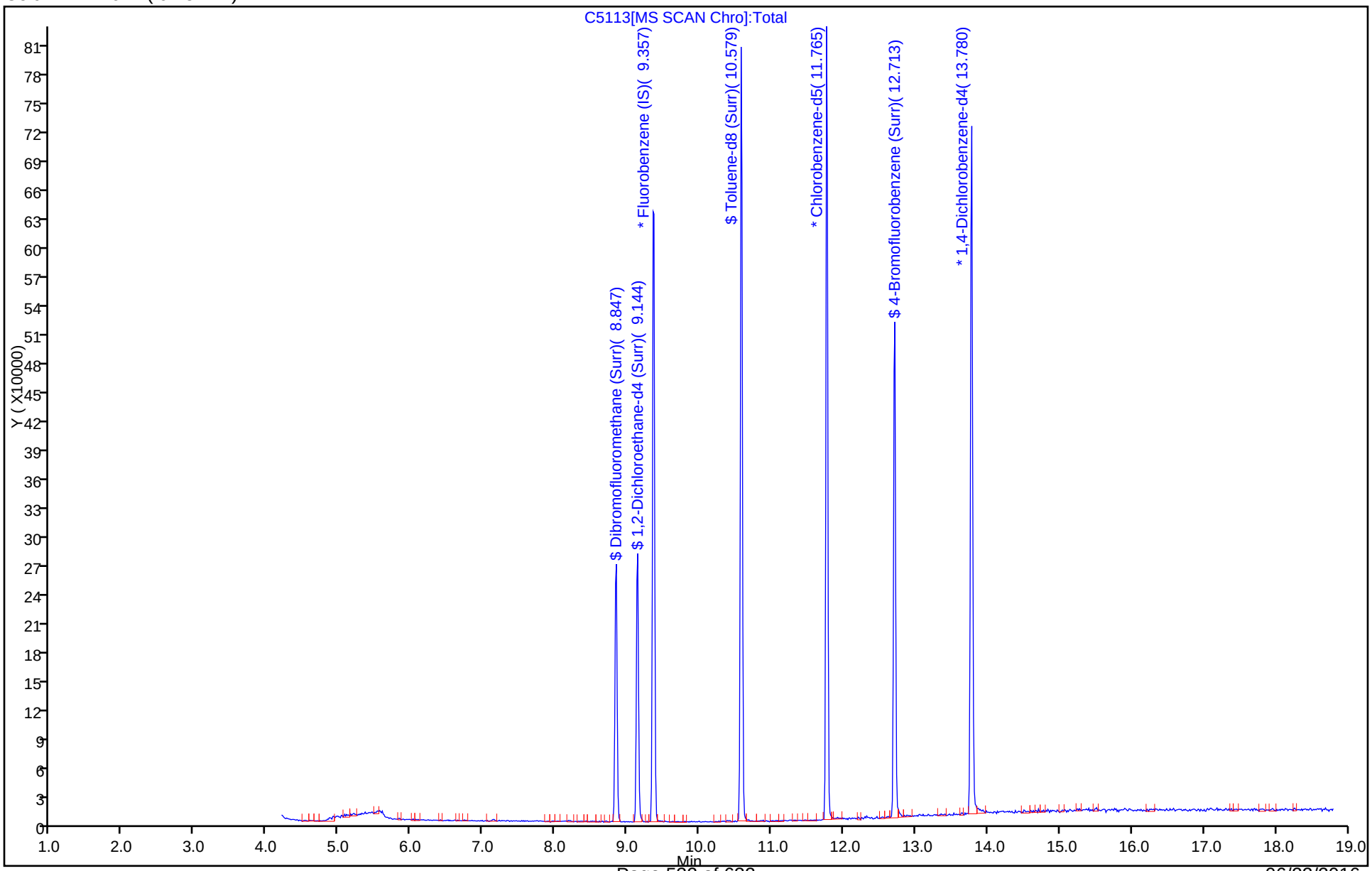
Report Date: 15-Jun-2016 11:53:04 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5113.D

Injection Date:	15-Jun-2016 11:29:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5113.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 15-Jun-2016 11:29:30 ALS Bottle#: 33 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0054049-007
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 11:52:53 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: goliszekg Date: 15-Jun-2016 11:53:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	26.0	103.89
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	97.98
$ 5 Toluene-d8 (Surr)	25.0	23.3	93.28
$ 6 4-Bromofluorobenzene (Surr)	25.0	23.2	92.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306261/1-A

Matrix: Solid | Lab File ID: F7122.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 4.99(g) | Date Analyzed: 06/12/2016 23:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	54.9		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	52.0		5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	52.6		5.0	1.1
79-00-5	1,1,2-Trichloroethane	49.6		5.0	0.65
75-34-3	1,1-Dichloroethane	50.5		5.0	0.61
75-35-4	1,1-Dichloroethene	50.8		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	50.9		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	53.4		5.0	2.5
106-93-4	1,2-Dibromoethane	51.1		5.0	0.64
95-50-1	1,2-Dichlorobenzene	50.5		5.0	0.39
107-06-2	1,2-Dichloroethane	52.0		5.0	0.25
78-87-5	1,2-Dichloropropane	49.2		5.0	2.5
541-73-1	1,3-Dichlorobenzene	51.2		5.0	0.26
106-46-7	1,4-Dichlorobenzene	50.5		5.0	0.70
78-93-3	2-Butanone (MEK)	273		25	1.8
591-78-6	2-Hexanone	261		25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	255		25	1.6
67-64-1	Acetone	293		25	4.2
71-43-2	Benzene	51.0		5.0	0.25
75-27-4	Bromodichloromethane	52.6		5.0	0.67
75-25-2	Bromoform	53.4		5.0	2.5
74-83-9	Bromomethane	49.0		5.0	0.45
75-15-0	Carbon disulfide	51.0		5.0	2.5
56-23-5	Carbon tetrachloride	55.8		5.0	0.48
108-90-7	Chlorobenzene	49.2		5.0	0.66
75-00-3	Chloroethane	49.9		5.0	1.1
67-66-3	Chloroform	52.0		5.0	0.31
74-87-3	Chloromethane	49.2		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	50.4		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	50.5		5.0	0.72
110-82-7	Cyclohexane	51.0		5.0	0.70
124-48-1	Dibromochloromethane	52.5		5.0	0.64
75-71-8	Dichlorodifluoromethane	63.3		5.0	0.41
100-41-4	Ethylbenzene	50.4		5.0	0.35
98-82-8	Isopropylbenzene	52.2		5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306261/1-A

Matrix: Solid | Lab File ID: F7122.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 4.99(g) | Date Analyzed: 06/12/2016 23:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	260		5.0	3.0
1634-04-4	Methyl tert-butyl ether	51.8		5.0	0.49
108-87-2	Methylcyclohexane	51.7		5.0	0.76
75-09-2	Methylene Chloride	50.0		5.0	2.3
100-42-5	Styrene	49.3		5.0	0.25
127-18-4	Tetrachloroethene	51.6		5.0	0.67
108-88-3	Toluene	50.3		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	51.0		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	51.3		5.0	2.2
79-01-6	Trichloroethene	52.3		5.0	1.1
75-69-4	Trichlorofluoromethane	54.4		5.0	0.47
75-01-4	Vinyl chloride	49.7		5.0	0.61
1330-20-7	Xylenes, Total	100		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		64-126
460-00-4	4-Bromofluorobenzene (Surr)	114		72-126
2037-26-5	Toluene-d8 (Surr)	83		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7122.D
Lims ID: LCS 480-306261/1-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Jun-2016 23:08:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 00:39:36 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 13-Jun-2016 00:39:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	227633	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	472629	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	413767	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.755	4.762	-0.007	93	204285	50.0	39.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	119237	50.0	36.3	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	846561	50.0	41.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	373989	50.0	56.9	
10 Dichlorodifluoromethane	85	1.847	1.853	-0.006	99	449798	50.0	63.2	
12 Chloromethane	50	2.006	2.018	-0.012	98	233955	50.0	49.1	
13 Vinyl chloride	62	2.115	2.127	-0.012	98	241914	50.0	49.6	
151 Butadiene	54	2.115	2.127	-0.012	95	220203	50.0	49.7	
14 Bromomethane	94	2.395	2.401	-0.006	93	180719	50.0	48.9	
15 Chloroethane	64	2.456	2.462	-0.006	99	136683	50.0	49.8	
16 Dichlorofluoromethane	67	2.614	2.620	-0.006	98	423249	50.0	49.8	
17 Trichlorofluoromethane	101	2.644	2.663	-0.019	99	497589	50.0	54.3	
18 Ethyl ether	59	2.833	2.839	-0.006	90	181112	50.0	45.8	
20 Acrolein	56	2.985	2.997	-0.012	98	235950	250.0	245.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.015	3.028	-0.013	92	305328	50.0	52.5	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	97	285095	50.0	50.7	
23 Acetone	43	3.101	3.107	-0.006	99	541656	250.0	292.8	
25 Iodomethane	142	3.198	3.204	-0.006	99	532208	50.0	50.8	
26 Carbon disulfide	76	3.247	3.259	-0.012	99	1041747	50.0	50.9	
28 3-Chloro-1-propene	41	3.314	3.320	-0.006	77	429060	50.0	50.6	
27 Methyl acetate	43	3.314	3.320	-0.006	95	984556	250.0	259.7	
30 Methylene Chloride	84	3.423	3.429	-0.006	87	337857	50.0	49.9	
31 2-Methyl-2-propanol	59	3.478	3.484	-0.006	100	337667	500.0	513.5	
32 Methyl tert-butyl ether	73	3.569	3.575	-0.006	93	1043454	50.0	51.7	
34 trans-1,2-Dichloroethene	96	3.606	3.612	-0.006	98	329677	50.0	50.9	
33 Acrylonitrile	53	3.624	3.630	-0.006	98	947416	500.0	497.1	
35 Hexane	57	3.746	3.745	0.001	92	481267	50.0	53.1	
37 Vinyl acetate	43	3.922	3.928	-0.006	97	1169419	100.0	105.2	
39 1,1-Dichloroethane	63	3.934	3.940	-0.006	96	554180	50.0	50.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
44 2,2-Dichloropropane	77	4.372	4.372	0.000	79	584117	50.0	54.6	
43 2-Butanone (MEK)	43	4.372	4.378	-0.006	97	681153	250.0	272.2	
45 cis-1,2-Dichloroethene	96	4.384	4.390	-0.006	83	355137	50.0	50.3	
48 Chlorobromomethane	128	4.585	4.591	-0.006	91	160990	50.0	50.6	
49 Tetrahydrofuran	42	4.603	4.609	-0.006	82	170519	100.0	104.9	
50 Chloroform	83	4.622	4.628	-0.006	94	623412	50.0	51.9	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	580336	50.0	54.8	
52 Cyclohexane	56	4.792	4.792	0.000	87	517138	50.0	50.9	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	96	498220	50.0	52.6	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	98	502406	50.0	55.7	
53 Isobutyl alcohol	43	4.950	4.950	0.000	92	280540	1250.0	1188.2	
57 Benzene	78	5.060	5.066	-0.006	96	1291147	50.0	50.9	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	480191	50.0	51.9	
59 n-Heptane	43	5.163	5.163	0.000	86	442465	50.0	47.3	
62 Trichloroethene	95	5.583	5.583	0.000	96	353735	50.0	52.2	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	614304	50.0	51.6	
65 1,2-Dichloropropane	63	5.802	5.802	0.000	90	279229	50.0	49.1	
66 1,4-Dioxane	88	5.905	5.911	-0.006	90	44695	1000.0	1073.6	
67 Dibromomethane	93	5.930	5.936	-0.006	96	197266	50.0	50.4	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	460914	50.0	52.5	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	161014	50.0	51.5	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	95	548271	50.0	50.4	
73 4-Methyl-2-pentanone (MIBK	43	6.520	6.526	-0.006	95	1316135	250.0	254.8	
74 Toluene	92	6.714	6.714	0.000	98	821911	50.0	50.2	
77 trans-1,3-Dichloropropene	75	6.933	6.939	-0.006	97	511306	50.0	51.2	
75 Ethyl methacrylate	69	6.939	6.939	0.000	86	416360	50.0	51.1	
79 1,1,2-Trichloroethane	83	7.134	7.134	0.000	92	230653	50.0	49.5	
81 Tetrachloroethene	166	7.231	7.231	0.000	96	365479	50.0	51.5	
82 1,3-Dichloropropane	76	7.292	7.298	-0.006	97	481459	50.0	49.1	
80 2-Hexanone	43	7.310	7.310	0.000	94	1016859	250.0	260.2	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	318419	50.0	52.4	
84 Ethylene Dibromide	107	7.663	7.663	0.000	98	289700	50.0	51.0	
87 Chlorobenzene	112	8.114	8.113	0.001	93	855300	50.0	49.1	
88 Ethylbenzene	91	8.180	8.180	0.000	98	1538413	50.0	50.3	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.199	-0.006	93	324427	50.0	51.8	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	595091	50.0	49.9	
91 o-Xylene	106	8.728	8.728	0.000	97	573428	50.0	49.8	
92 Styrene	104	8.746	8.752	-0.006	93	965530	50.0	49.2	
95 Bromoform	173	9.020	9.020	0.000	96	199708	50.0	53.3	
94 Isopropylbenzene	105	9.099	9.099	0.000	96	1491779	50.0	52.1	
101 Bromobenzene	156	9.482	9.482	0.000	93	382372	50.0	50.5	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	75	361985	50.0	51.9	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.519	0.006	58	126208	50.0	54.0	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	1776594	50.0	52.0	
100 1,2,3-Trichloropropane	110	9.531	9.537	-0.006	80	115086	50.0	51.4	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	336265	50.0	50.1	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1289454	50.0	52.1	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	359448	50.0	51.3	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	291086	50.0	52.7	
107 1,2,4-Trimethylbenzene	105	10.072	10.072	0.000	97	1284667	50.0	51.2	
109 sec-Butylbenzene	105	10.225	10.224	0.001	95	1595131	50.0	52.1	
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	1375534	50.0	52.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	737200	50.0	51.1	
113 1,4-Dichlorobenzene	146	10.462	10.468	-0.006	94	740119	50.0	50.4	
115 n-Butylbenzene	91	10.729	10.729	0.000	97	1289550	50.0	53.4	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	679105	50.0	50.4	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	91	73062	50.0	53.3	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	455070	50.0	50.8	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	272944	50.0	51.5	
121 Naphthalene	128	12.354	12.354	0.000	97	1051289	50.0	50.4	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	409234	50.0	49.9	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent

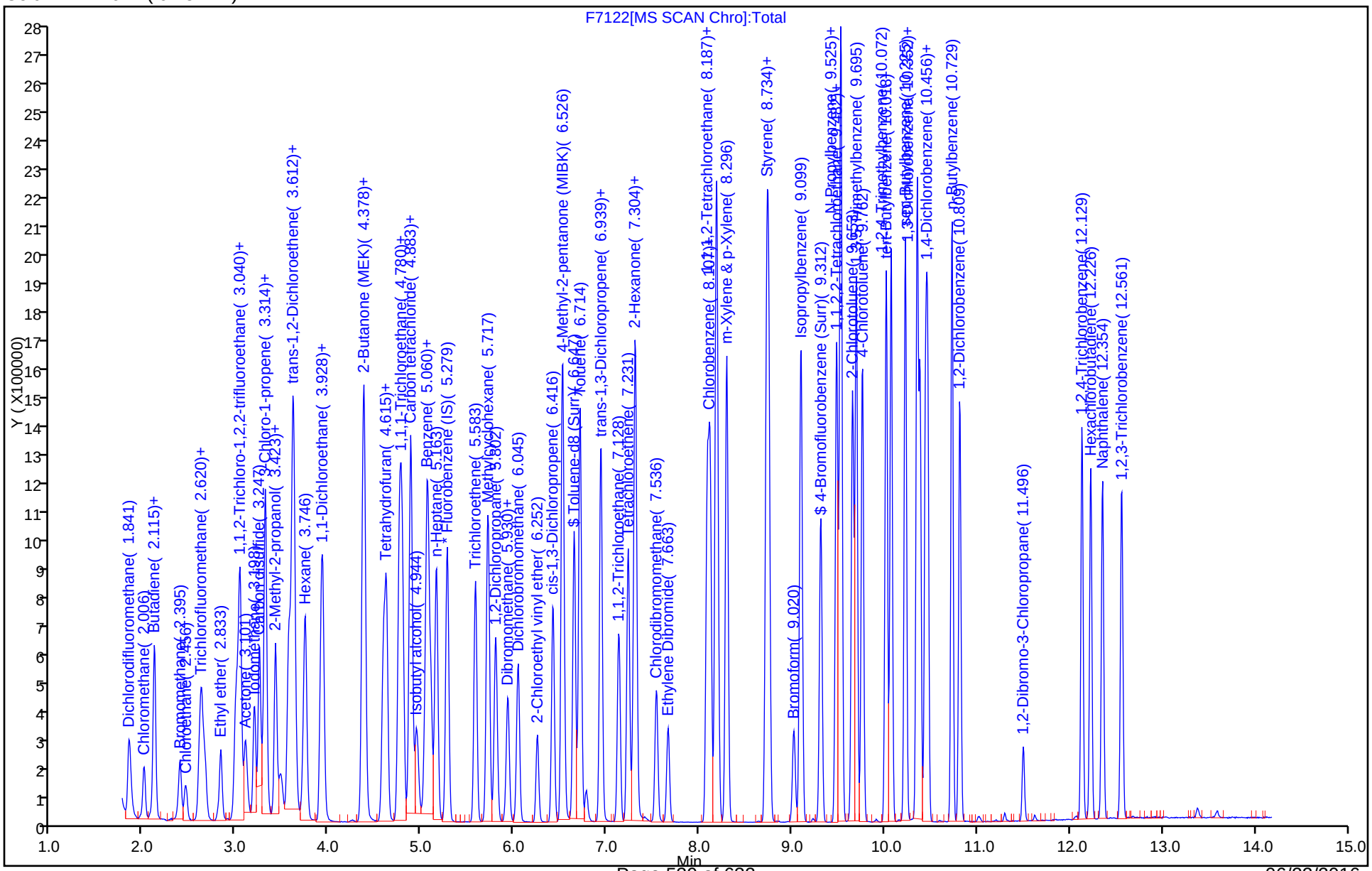
Report Date: 13-Jun-2016 00:39:37 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7122.D

Injection Date:	12-Jun-2016 23:08:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	LCS 480-306261/1-A			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7122.D
Lims ID: LCS 480-306261/1-A
Client ID:
Sample Type: LCS
Inject. Date: 12-Jun-2016 23:08:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 00:39:36 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 13-Jun-2016 00:39:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	39.2	78.35
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	36.3	72.53
$ 5 Toluene-d8 (Surr)	50.0	41.4	82.86
$ 6 4-Bromofluorobenzene (Surr)	50.0	56.9	113.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306409/1-A

Matrix: Solid | Lab File ID: F7150.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.18(g) | Date Analyzed: 06/13/2016 12:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	46.2		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	48.1		4.8	0.78
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	44.7		4.8	1.1
79-00-5	1,1,2-Trichloroethane	46.0		4.8	0.63
75-34-3	1,1-Dichloroethane	44.9		4.8	0.59
75-35-4	1,1-Dichloroethene	45.7		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	45.1		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	50.7		4.8	2.4
106-93-4	1,2-Dibromoethane	48.2		4.8	0.62
95-50-1	1,2-Dichlorobenzene	45.7		4.8	0.38
107-06-2	1,2-Dichloroethane	47.2		4.8	0.24
78-87-5	1,2-Dichloropropane	44.7		4.8	2.4
541-73-1	1,3-Dichlorobenzene	45.6		4.8	0.25
106-46-7	1,4-Dichlorobenzene	45.2		4.8	0.68
78-93-3	2-Butanone (MEK)	255		24	1.8
591-78-6	2-Hexanone	241		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	238		24	1.6
67-64-1	Acetone	264		24	4.1
71-43-2	Benzene	45.3		4.8	0.24
75-27-4	Bromodichloromethane	47.8		4.8	0.65
75-25-2	Bromoform	47.2		4.8	2.4
74-83-9	Bromomethane	44.2		4.8	0.43
75-15-0	Carbon disulfide	43.7		4.8	2.4
56-23-5	Carbon tetrachloride	46.7		4.8	0.47
108-90-7	Chlorobenzene	45.0		4.8	0.64
75-00-3	Chloroethane	44.8		4.8	1.1
67-66-3	Chloroform	45.9		4.8	0.30
74-87-3	Chloromethane	42.5		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	46.1		4.8	0.62
10061-01-5	cis-1,3-Dichloropropene	46.0		4.8	0.69
110-82-7	Cyclohexane	42.3		4.8	0.68
124-48-1	Dibromochloromethane	48.5		4.8	0.62
75-71-8	Dichlorodifluoromethane	50.9		4.8	0.40
100-41-4	Ethylbenzene	44.8		4.8	0.33
98-82-8	Isopropylbenzene	45.2		4.8	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306409/1-A

Matrix: Solid | Lab File ID: F7150.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.18(g) | Date Analyzed: 06/13/2016 12:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306374 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	240		4.8	2.9
1634-04-4	Methyl tert-butyl ether	47.6		4.8	0.47
108-87-2	Methylcyclohexane	43.5		4.8	0.73
75-09-2	Methylene Chloride	46.6		4.8	2.2
100-42-5	Styrene	44.8		4.8	0.24
127-18-4	Tetrachloroethene	44.6		4.8	0.65
108-88-3	Toluene	44.4		4.8	0.36
156-60-5	trans-1,2-Dichloroethene	45.1		4.8	0.50
10061-02-6	trans-1,3-Dichloropropene	46.7		4.8	2.1
79-01-6	Trichloroethene	46.5		4.8	1.1
75-69-4	Trichlorofluoromethane	46.2		4.8	0.46
75-01-4	Vinyl chloride	42.9		4.8	0.59
1330-20-7	Xylenes, Total	88.6		9.7	0.81

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126
2037-26-5	Toluene-d8 (Surr)	97		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7150.D
Lims ID: LCS 480-306409/1-A
Client ID:
Sample Type: LCS
Inject. Date: 13-Jun-2016 12:01:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0053989-005
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 13:01:11 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 13:01:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	226797	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	467096	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.443	10.438	0.005	95	415317	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.761	4.762	-0.001	92	262672	50.0	50.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	166405	50.0	50.8	
$ 5 Toluene-d8 (Surr)	98	6.647	6.648	-0.001	93	983418	50.0	48.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	88	321714	50.0	49.5	
10 Dichlorodifluoromethane	85	1.847	1.848	-0.001	99	374131	50.0	52.7	
12 Chloromethane	50	2.012	2.012	0.000	100	208909	50.0	44.0	
13 Vinyl chloride	62	2.121	2.121	0.000	99	215595	50.0	44.4	
151 Butadiene	54	2.121	2.127	-0.006	94	192340	50.0	43.5	
14 Bromomethane	94	2.395	2.395	0.000	92	168360	50.0	45.7	
15 Chloroethane	64	2.456	2.456	0.000	100	127057	50.0	46.4	
16 Dichlorofluoromethane	67	2.620	2.626	-0.006	96	386095	50.0	45.6	
17 Trichlorofluoromethane	101	2.644	2.669	-0.025	99	436727	50.0	47.8	
18 Ethyl ether	59	2.839	2.839	0.000	88	202998	50.0	51.5	
20 Acrolein	56	2.991	2.991	0.000	99	231818	250.0	241.6	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.022	0.006	93	267850	50.0	46.3	
22 1,1-Dichloroethene	96	3.046	3.046	0.000	99	265040	50.0	47.3	
23 Acetone	43	3.107	3.101	0.006	99	505318	250.0	273.9	
25 Iodomethane	142	3.204	3.198	0.006	100	494481	50.0	47.4	
26 Carbon disulfide	76	3.253	3.253	0.000	99	924152	50.0	45.3	
27 Methyl acetate	43	3.320	3.314	0.006	95	938424	250.0	248.5	
28 3-Chloro-1-propene	41	3.320	3.320	0.000	76	384780	50.0	45.5	
30 Methylene Chloride	84	3.429	3.429	0.000	87	326489	50.0	48.3	
31 2-Methyl-2-propanol	59	3.484	3.478	0.006	99	328906	500.0	502.0	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	991072	50.0	49.3	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	98	301692	50.0	46.7	
33 Acrylonitrile	53	3.630	3.624	0.006	97	927277	500.0	488.4	
35 Hexane	57	3.745	3.746	-0.001	91	421777	50.0	46.4	
37 Vinyl acetate	43	3.922	3.922	0.000	97	1115868	100.0	100.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	3.940	3.940	0.000	97	510262	50.0	46.5	
43 2-Butanone (MEK)	43	4.372	4.372	0.000	98	658294	250.0	264.1	
44 2,2-Dichloropropane	77	4.372	4.378	-0.006	74	514842	50.0	48.3	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	82	336120	50.0	47.7	
48 Chlorobromomethane	128	4.591	4.585	0.006	89	153221	50.0	48.4	
49 Tetrahydrofuran	42	4.609	4.603	0.006	81	165547	100.0	102.2	
50 Chloroform	83	4.622	4.622	0.000	94	569069	50.0	47.6	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	505281	50.0	47.9	
52 Cyclohexane	56	4.792	4.792	0.000	87	443355	50.0	43.8	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	97	437542	50.0	46.4	
55 Carbon tetrachloride	117	4.895	4.889	0.006	98	435419	50.0	48.4	
53 Isobutyl alcohol	43	4.950	4.944	0.006	93	282012	1250.0	1198.8	
57 Benzene	78	5.066	5.066	0.000	96	1185009	50.0	46.9	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	451214	50.0	48.9	
59 n-Heptane	43	5.163	5.157	0.006	87	389529	50.0	41.8	
62 Trichloroethene	95	5.583	5.583	0.000	97	324703	50.0	48.1	
64 Methylcyclohexane	83	5.717	5.717	0.000	87	534848	50.0	45.1	
65 1,2-Dichloropropane	63	5.802	5.796	0.006	92	262639	50.0	46.3	
66 1,4-Dioxane	88	5.905	5.911	-0.006	88	45938	1000.0	1116.5	
67 Dibromomethane	93	5.929	5.930	-0.001	97	192936	50.0	49.5	
68 Dichlorobromomethane	83	6.045	6.039	0.006	99	433213	50.0	49.5	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	94	153934	50.0	49.4	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	515548	50.0	47.6	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.520	0.006	94	1261397	250.0	247.1	
74 Toluene	92	6.714	6.714	0.000	99	744742	50.0	46.0	
77 trans-1,3-Dichloropropene	75	6.939	6.940	-0.001	97	477694	50.0	48.4	
75 Ethyl methacrylate	69	6.939	6.940	-0.001	84	400075	50.0	49.7	
79 1,1,2-Trichloroethane	83	7.128	7.128	0.000	94	219174	50.0	47.6	
81 Tetrachloroethene	166	7.231	7.232	-0.001	96	324117	50.0	46.2	
82 1,3-Dichloropropane	76	7.292	7.292	0.000	96	465219	50.0	48.0	
80 2-Hexanone	43	7.310	7.311	-0.001	94	963859	250.0	249.5	
83 Chlorodibromomethane	129	7.536	7.536	0.000	89	301779	50.0	50.3	
84 Ethylene Dibromide	107	7.663	7.663	0.000	97	280443	50.0	49.9	
87 Chlorobenzene	112	8.113	8.114	-0.001	95	801643	50.0	46.6	
88 Ethylbenzene	91	8.180	8.181	-0.001	99	1402948	50.0	46.4	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	93	303051	50.0	48.9	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	542057	50.0	46.0	
91 o-Xylene	106	8.728	8.728	0.000	97	521707	50.0	45.8	
92 Styrene	104	8.746	8.746	0.000	93	900684	50.0	46.4	
95 Bromoform	173	9.020	9.020	0.000	96	180958	50.0	48.9	
94 Isopropylbenzene	105	9.099	9.093	0.006	96	1345307	50.0	46.8	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	76	348260	50.0	49.8	
101 Bromobenzene	156	9.482	9.482	0.000	93	361755	50.0	47.6	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	59	118544	50.0	50.6	
99 N-Propylbenzene	91	9.525	9.525	0.000	99	1600999	50.0	46.7	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	84	113223	50.0	50.4	
103 2-Chlorotoluene	126	9.653	9.653	0.000	96	312104	50.0	46.3	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	93	1169171	50.0	47.0	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	333917	50.0	47.5	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	262380	50.0	47.3	
107 1,2,4-Trimethylbenzene	105	10.072	10.073	-0.001	97	1180458	50.0	46.9	
109 sec-Butylbenzene	105	10.224	10.225	-0.001	95	1429285	50.0	46.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	1232977	50.0	46.7	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	684462	50.0	47.3	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	689878	50.0	46.8	
115 n-Butylbenzene	91	10.729	10.730	-0.001	97	1134857	50.0	46.8	
116 1,2-Dichlorobenzene	146	10.809	10.809	-0.001	97	639571	50.0	47.3	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	84	72354	50.0	52.6	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	94	419630	50.0	46.7	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	97	246134	50.0	46.2	
121 Naphthalene	128	12.354	12.354	0.000	97	1024323	50.0	48.9	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	389125	50.0	47.2	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

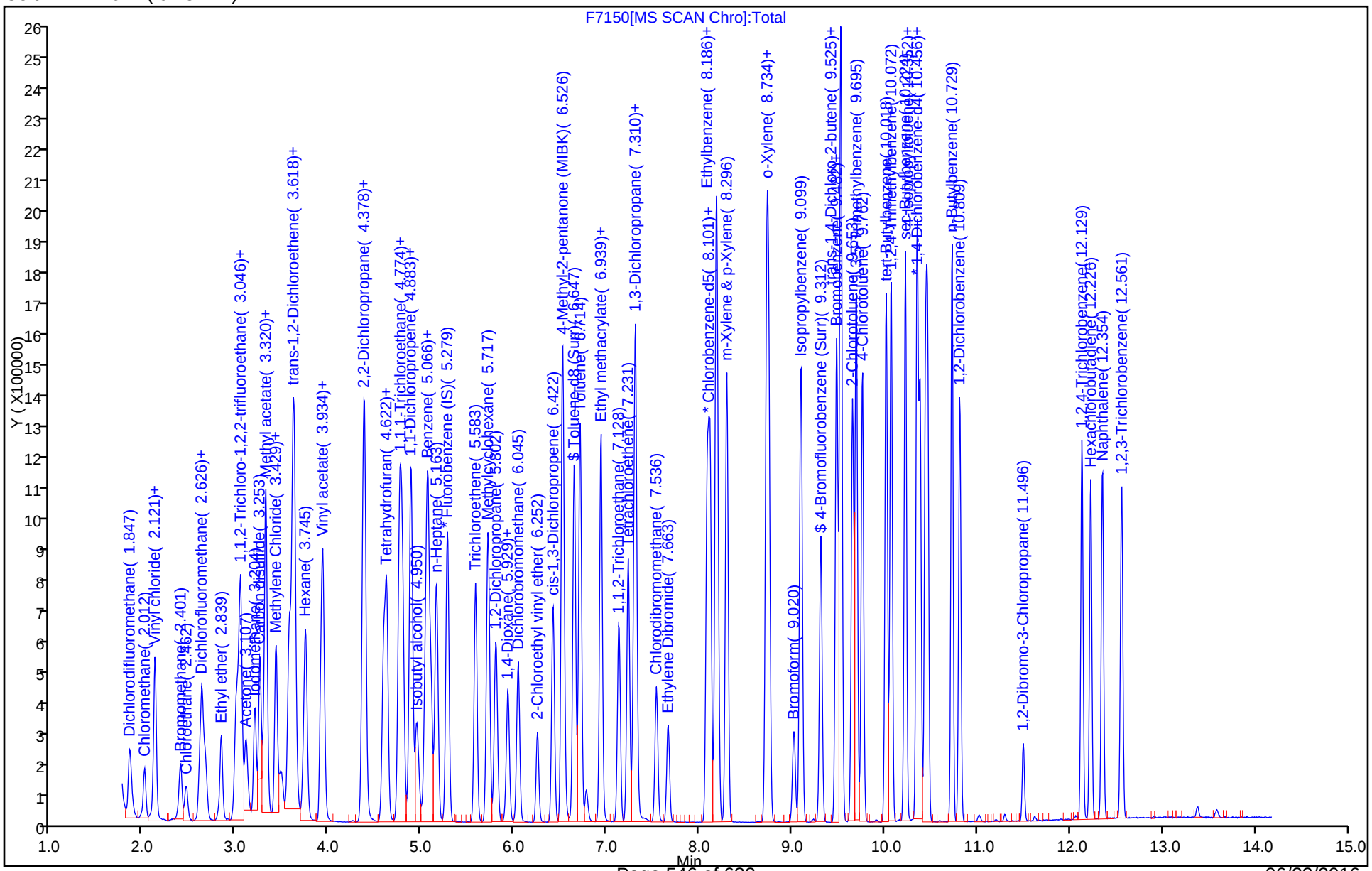
Report Date: 13-Jun-2016 13:01:13 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7150.D

Injection Date:	13-Jun-2016 12:01:30	Instrument ID:	HP5973F	Operator ID:	CDC
Lims ID:	LCS 480-306409/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F7150.D
Lims ID: LCS 480-306409/1-A
Client ID:
Sample Type: LCS
Inject. Date: 13-Jun-2016 12:01:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0053989-005
Operator ID: CDC Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-53989.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 13:01:11 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 13:01:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	50.6	101.11
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	50.8	101.59
$ 5 Toluene-d8 (Surr)	50.0	48.7	97.40
$ 6 4-Bromofluorobenzene (Surr)	50.0	49.5	99.00

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306454/1-A

Matrix: Solid | Lab File ID: N4578.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 06/13/2016 23:37

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306479 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2950		100	28
79-34-5	1,1,2,2-Tetrachloroethane	2260		100	16
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2850		100	50
79-00-5	1,1,2-Trichloroethane	2500		100	21
75-34-3	1,1-Dichloroethane	2620		100	31
75-35-4	1,1-Dichloroethene	2610		100	35
120-82-1	1,2,4-Trichlorobenzene	2250		100	38
96-12-8	1,2-Dibromo-3-Chloropropane	2020		100	50
106-93-4	1,2-Dibromoethane	2570		100	18
95-50-1	1,2-Dichlorobenzene	2280		100	26
107-06-2	1,2-Dichloroethane	2570		100	41
78-87-5	1,2-Dichloropropane	2810		100	16
541-73-1	1,3-Dichlorobenzene	2250		100	27
106-46-7	1,4-Dichlorobenzene	2280		100	14
78-93-3	2-Butanone (MEK)	13600		500	300
591-78-6	2-Hexanone	14400		500	210
108-10-1	4-Methyl-2-pentanone (MIBK)	12300		500	32
67-64-1	Acetone	11400		500	410
71-43-2	Benzene	2640		100	19
75-27-4	Bromodichloromethane	2590		100	20
75-25-2	Bromoform	2580		100	50
74-83-9	Bromomethane	2040		100	22
75-15-0	Carbon disulfide	2470		100	46
56-23-5	Carbon tetrachloride	3100		100	26
108-90-7	Chlorobenzene	2510		100	13
75-00-3	Chloroethane	2010		100	21
67-66-3	Chloroform	2590		100	69
74-87-3	Chloromethane	2810		100	24
156-59-2	cis-1,2-Dichloroethene	2460		100	28
10061-01-5	cis-1,3-Dichloropropene	2620		100	24
110-82-7	Cyclohexane	3120		100	22
124-48-1	Dibromochloromethane	2630		100	48
75-71-8	Dichlorodifluoromethane	3060		100	44
100-41-4	Ethylbenzene	2440		100	29
98-82-8	Isopropylbenzene	2490		100	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306454/1-A

Matrix: Solid | Lab File ID: N4578.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 06/13/2016 23:37

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 1

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Medium

Analysis Batch No.: 306479 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	14400		100	48
1634-04-4	Methyl tert-butyl ether	2540		100	38
108-87-2	Methylcyclohexane	2800		100	47
75-09-2	Methylene Chloride	2590		100	20
100-42-5	Styrene	2510		100	24
127-18-4	Tetrachloroethene	2710		100	13
108-88-3	Toluene	2540		100	27
156-60-5	trans-1,2-Dichloroethene	2660		100	24
10061-02-6	trans-1,3-Dichloropropene	2510		100	9.8
79-01-6	Trichloroethene	2790		100	28
75-69-4	Trichlorofluoromethane	3160		100	47
75-01-4	Vinyl chloride	2830		100	34
1330-20-7	Xylenes, Total	4980		200	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	113		49-148
2037-26-5	Toluene-d8 (Surr)	93		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4578.D
Lims ID: LCS 480-306454/1-A
Client ID:
Sample Type: LCS
Inject. Date: 13-Jun-2016 23:37:30 ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306454/1-A
Misc. Info.: 480-0054004-008
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 00:07:19 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: fortaing Date: 14-Jun-2016 00:06:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	97	92867	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.558	8.564	-0.006	87	315921	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	72	153724	25.0	25.0	
$ 148 Dibromofluoromethane (Surr	113	4.968	4.962	0.006	48	100141	25.0	23.4	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	132501	25.0	23.6	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	92	405192	25.0	23.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	88	135049	25.0	28.3	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	95	118251	25.0	30.6	
13 Chloromethane	50	1.549	1.549	0.000	89	198962	25.0	28.1	
14 Vinyl chloride	62	1.665	1.665	0.000	83	152466	25.0	28.3	
144 Butadiene	54	1.683	1.683	0.000	88	189892	25.0	31.7	
15 Bromomethane	94	1.957	1.963	-0.006	91	52902	25.0	20.4	
16 Chloroethane	64	2.048	2.078	-0.030	90	60328	25.0	20.1	
17 Dichlorofluoromethane	67	2.285	2.291	-0.006	79	154352	25.0	23.0	
18 Trichlorofluoromethane	101	2.298	2.328	-0.030	79	147080	25.0	31.6	
19 Ethyl ether	59	2.590	2.589	0.001	97	126915	25.0	23.3	
20 Acrolein	56	2.748	2.742	0.006	92	132054	125.0	109.6	
22 1,1-Dichloroethene	96	2.796	2.802	-0.006	77	99548	25.0	26.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.809	2.821	-0.012	73	93168	25.0	28.5	
23 Acetone	43	2.912	2.900	0.012	100	216319	125.0	113.7	
24 Iodomethane	142	2.961	2.954	0.007	98	145322	25.0	24.6	
25 Carbon disulfide	76	2.997	3.003	-0.006	99	312196	25.0	24.7	
27 3-Chloro-1-propene	41	3.161	3.167	-0.006	90	251693	25.0	27.3	
28 Methyl acetate	43	3.210	3.204	0.006	97	702863	125.0	143.9	
30 Methylene Chloride	84	3.301	3.301	0.000	96	117797	25.0	25.9	
31 2-Methyl-2-propanol	59	3.490	3.459	0.031	96	142534	250.0	215.7	
32 Methyl tert-butyl ether	73	3.539	3.532	0.007	90	360959	25.0	25.4	
33 trans-1,2-Dichloroethene	96	3.539	3.545	-0.006	68	110546	25.0	26.6	
34 Acrylonitrile	53	3.569	3.563	0.006	99	736928	250.0	287.4	
35 Hexane	57	3.752	3.764	-0.012	92	224604	25.0	29.2	
36 1,1-Dichloroethane	63	3.946	3.952	-0.006	96	229893	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	4.007	4.007	0.000	96	719787	50.0	60.6	
42 2,2-Dichloropropane	77	4.475	4.481	-0.006	93	95070	25.0	23.3	
43 cis-1,2-Dichloroethene	96	4.500	4.506	-0.006	83	121063	25.0	24.6	
44 2-Butanone (MEK)	43	4.530	4.524	0.006	97	392146	125.0	135.8	
47 Chlorobromomethane	128	4.731	4.737	-0.006	87	54489	25.0	25.5	
49 Tetrahydrofuran	42	4.774	4.767	0.007	94	119831	50.0	57.6	
50 Chloroform	83	4.810	4.810	0.000	81	191253	25.0	25.9	
51 1,1,1-Trichloroethane	97	4.938	4.944	-0.006	90	158554	25.0	29.5	
52 Cyclohexane	56	4.968	4.968	0.000	91	272187	25.0	31.2	
53 Carbon tetrachloride	117	5.090	5.090	0.000	83	140053	25.0	31.0	
54 1,1-Dichloropropene	75	5.096	5.096	0.000	90	150383	25.0	27.4	
56 Isobutyl alcohol	43	5.291	5.278	0.013	54	172603	625.0	582.1	
55 Benzene	78	5.297	5.297	0.000	97	450656	25.0	26.4	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	72	172030	25.0	25.7	
59 n-Heptane	43	5.498	5.503	-0.005	92	251443	25.0	33.0	
60 Trichloroethene	95	5.905	5.905	0.000	93	111762	25.0	27.9	
62 Methylcyclohexane	83	6.051	6.051	0.000	94	196839	25.0	28.0	
63 1,2-Dichloropropane	63	6.136	6.136	0.000	93	131404	25.0	28.1	
64 Dibromomethane	93	6.264	6.264	0.000	92	67318	25.0	26.6	
66 1,4-Dioxane	88	6.282	6.282	0.000	73	22448	500.0	455.6	
67 Dichlorobromomethane	83	6.416	6.422	-0.006	94	137600	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.696	6.702	-0.006	87	86777	25.0	31.0	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	86	180493	25.0	26.2	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	296957	125.0	122.9	
73 Toluene	92	7.140	7.146	-0.006	98	278536	25.0	25.4	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	91	161834	25.0	25.1	
77 Ethyl methacrylate	69	7.463	7.462	0.000	92	148400	25.0	26.9	
78 1,1,2-Trichloroethane	83	7.590	7.596	-0.006	95	77079	25.0	25.0	
79 Tetrachloroethene	166	7.688	7.687	0.001	91	107143	25.0	27.1	
80 1,3-Dichloropropane	76	7.755	7.754	0.001	96	169515	25.0	25.7	
82 2-Hexanone	43	7.821	7.821	0.000	97	524458	125.0	144.4	
83 Chlorodibromomethane	129	7.992	7.992	0.000	86	101415	25.0	26.3	
84 Ethylene Dibromide	107	8.101	8.101	0.000	97	98006	25.0	25.7	
85 Chlorobenzene	112	8.588	8.588	0.000	90	281312	25.0	25.1	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.685	-0.006	46	98163	25.0	25.5	
88 Ethylbenzene	91	8.685	8.685	0.000	98	507816	25.0	24.4	
90 m-Xylene & p-Xylene	106	8.807	8.813	-0.006	0	199598	25.0	25.8	
91 o-Xylene	106	9.233	9.239	-0.006	97	199919	25.0	24.0	
92 Styrene	104	9.263	9.263	0.000	95	315734	25.0	25.1	
93 Bromoform	173	9.494	9.494	0.000	91	59506	25.0	25.8	
95 Isopropylbenzene	105	9.622	9.622	0.000	96	491137	25.0	24.9	
97 Bromobenzene	156	9.957	9.957	0.000	94	120054	25.0	26.5	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	74	122568	25.0	22.6	
99 1,2,3-Trichloropropane	110	10.024	10.024	0.000	74	39699	25.0	24.4	
101 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	37	48311	25.0	22.7	
100 N-Propylbenzene	91	10.042	10.042	0.000	98	574259	25.0	24.7	
102 2-Chlorotoluene	126	10.139	10.139	0.000	95	109544	25.0	24.1	
104 1,3,5-Trimethylbenzene	105	10.218	10.218	0.000	95	407040	25.0	24.1	
105 4-Chlorotoluene	91	10.249	10.249	0.000	98	401185	25.0	23.2	
106 tert-Butylbenzene	134	10.535	10.535	0.000	92	82521	25.0	23.6	
108 1,2,4-Trimethylbenzene	105	10.589	10.583	0.006	57	404594	25.0	23.1	
109 sec-Butylbenzene	105	10.748	10.748	0.000	93	513052	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	96	202706	25.0	22.5	
111 4-Isopropyltoluene	119	10.881	10.881	0.000	97	421037	25.0	23.9	
113 1,4-Dichlorobenzene	146	10.954	10.954	0.000	90	204837	25.0	22.8	
115 n-Butylbenzene	91	11.265	11.265	0.000	98	378401	25.0	22.9	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	91	195960	25.0	22.8	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.025	0.000	61	21056	25.0	20.2	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.001	91	131681	25.0	22.5	
120 Hexachlorobutadiene	225	12.834	12.834	0.000	90	66339	25.0	22.3	
121 Naphthalene	128	12.919	12.925	-0.006	97	323235	25.0	20.6	
122 1,2,3-Trichlorobenzene	180	13.126	13.126	0.000	94	116009	25.0	22.2	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

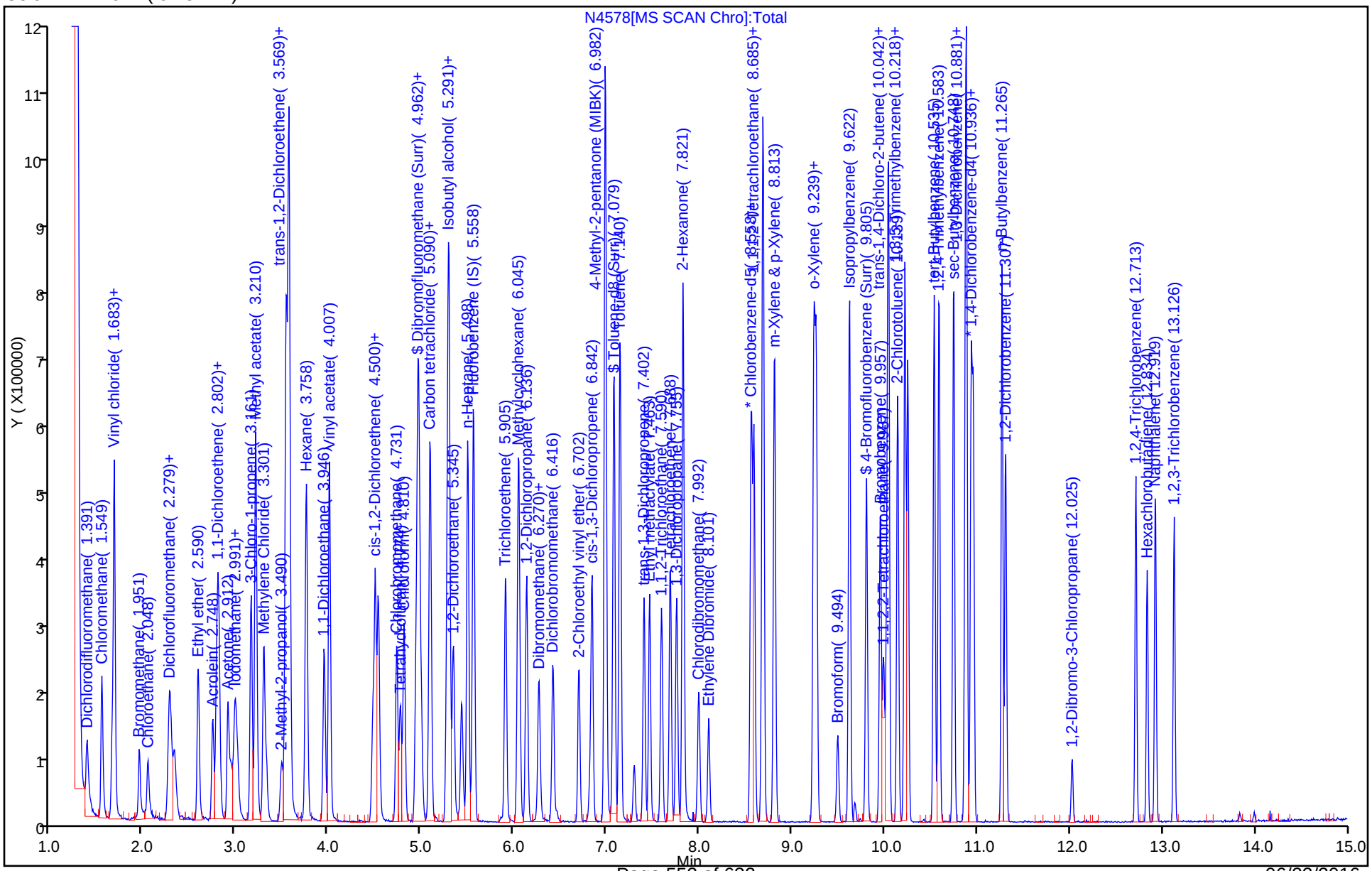
Report Date: 14-Jun-2016 00:07:19 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4578.D

Injection Date:	13-Jun-2016 23:37:30	Instrument ID:	HP5973N	Operator ID:	GF
Lims ID:	LCS 480-306454/1-A			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N4578.D
Lims ID: LCS 480-306454/1-A
Client ID:
Sample Type: LCS
Inject. Date: 13-Jun-2016 23:37:30 ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306454/1-A
Misc. Info.: 480-0054004-008
Operator ID: GF Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160613-54004.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 00:07:19 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: fortaing Date: 14-Jun-2016 00:06:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 148 Dibromofluoromethane (Surr)	25.0	23.4	93.56
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.6	94.40
$ 6 Toluene-d8 (Surr)	25.0	23.1	92.52
$ 7 4-Bromofluorobenzene (Surr)	25.0	28.3	113.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306491/1-A

Matrix: Solid | Lab File ID: F7177.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 06/14/2016 00:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	52.7		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	48.2		4.8	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	47.1		4.8	1.1
79-00-5	1,1,2-Trichloroethane	46.3		4.8	0.63
75-34-3	1,1-Dichloroethane	47.8		4.8	0.59
75-35-4	1,1-Dichloroethene	46.3		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	46.1		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	53.9		4.8	2.4
106-93-4	1,2-Dibromoethane	48.9		4.8	0.62
95-50-1	1,2-Dichlorobenzene	47.6		4.8	0.38
107-06-2	1,2-Dichloroethane	52.6		4.8	0.24
78-87-5	1,2-Dichloropropane	45.7		4.8	2.4
541-73-1	1,3-Dichlorobenzene	48.1		4.8	0.25
106-46-7	1,4-Dichlorobenzene	47.3		4.8	0.68
78-93-3	2-Butanone (MEK)	259		24	1.8
591-78-6	2-Hexanone	245		24	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	238		24	1.6
67-64-1	Acetone	288		24	4.1
71-43-2	Benzene	47.7		4.8	0.24
75-27-4	Bromodichloromethane	51.2		4.8	0.65
75-25-2	Bromoform	50.2		4.8	2.4
74-83-9	Bromomethane	43.7		4.8	0.44
75-15-0	Carbon disulfide	46.2		4.8	2.4
56-23-5	Carbon tetrachloride	53.8		4.8	0.47
108-90-7	Chlorobenzene	46.6		4.8	0.64
75-00-3	Chloroethane	44.1		4.8	1.1
67-66-3	Chloroform	50.3		4.8	0.30
74-87-3	Chloromethane	42.4		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	47.5		4.8	0.62
10061-01-5	cis-1,3-Dichloropropene	49.2		4.8	0.70
110-82-7	Cyclohexane	45.4		4.8	0.68
124-48-1	Dibromochloromethane	50.2		4.8	0.62
75-71-8	Dichlorodifluoromethane	58.3		4.8	0.40
100-41-4	Ethylbenzene	47.3		4.8	0.33
98-82-8	Isopropylbenzene	47.9		4.8	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306491/1-A

Matrix: Solid | Lab File ID: F7177.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5.16(g) | Date Analyzed: 06/14/2016 00:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	248		4.8	2.9
1634-04-4	Methyl tert-butyl ether	50.2		4.8	0.48
108-87-2	Methylcyclohexane	45.8		4.8	0.74
75-09-2	Methylene Chloride	48.3		4.8	2.2
100-42-5	Styrene	46.7		4.8	0.24
127-18-4	Tetrachloroethene	47.4		4.8	0.65
108-88-3	Toluene	46.2		4.8	0.37
156-60-5	trans-1,2-Dichloroethene	47.7		4.8	0.50
10061-02-6	trans-1,3-Dichloropropene	48.6		4.8	2.1
79-01-6	Trichloroethene	49.7		4.8	1.1
75-69-4	Trichlorofluoromethane	51.8		4.8	0.46
75-01-4	Vinyl chloride	42.8		4.8	0.59
1330-20-7	Xylenes, Total	92.4		9.7	0.81

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-126
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126
2037-26-5	Toluene-d8 (Surr)	96		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7177.D
Lims ID: LCS 480-306491/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 00:08:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306491/1-A
Misc. Info.: 480-0054007-005
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:19:16 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 14-Jun-2016 01:19:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.285	5.279	0.006	98	206811	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	88	436385	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	96	385794	50.0	50.0	
$ 154 Dibromofluoromethane (Surr	113	4.762	4.755	0.007	92	239257	50.0	50.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	156339	50.0	52.3	
$ 5 Toluene-d8 (Surr)	98	6.648	6.647	0.001	93	901106	50.0	47.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	303153	50.0	49.9	
10 Dichlorodifluoromethane	85	1.854	1.848	0.006	99	389342	50.0	60.2	
12 Chloromethane	50	2.018	2.012	0.006	98	189238	50.0	43.7	
13 Vinyl chloride	62	2.127	2.115	0.012	98	195588	50.0	44.2	
151 Butadiene	54	2.134	2.121	0.013	96	183320	50.0	45.5	
14 Bromomethane	94	2.407	2.395	0.012	93	151434	50.0	45.1	
15 Chloroethane	64	2.468	2.462	0.006	98	113600	50.0	45.5	
16 Dichlorofluoromethane	67	2.632	2.620	0.012	97	369789	50.0	47.9	
17 Trichlorofluoromethane	101	2.675	2.645	0.030	98	445348	50.0	53.5	
18 Ethyl ether	59	2.839	2.833	0.006	89	159232	50.0	44.3	
20 Acrolein	56	2.997	2.991	0.006	99	203868	250.0	233.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.022	0.006	92	256537	50.0	48.6	
22 1,1-Dichloroethene	96	3.052	3.046	0.006	97	244250	50.0	47.8	
23 Acetone	43	3.107	3.101	0.006	98	500057	250.0	297.6	
25 Iodomethane	142	3.204	3.198	0.006	99	467665	50.0	49.2	
26 Carbon disulfide	76	3.259	3.253	0.006	99	886267	50.0	47.7	
27 Methyl acetate	43	3.320	3.314	0.006	95	880778	250.0	255.8	
28 3-Chloro-1-propene	41	3.326	3.320	0.006	74	373781	50.0	48.5	
30 Methylene Chloride	84	3.435	3.429	0.006	87	306519	50.0	49.8	
31 2-Methyl-2-propanol	59	3.484	3.478	0.006	100	307408	500.0	514.5	
32 Methyl tert-butyl ether	73	3.581	3.569	0.012	93	949595	50.0	51.8	
34 trans-1,2-Dichloroethene	96	3.618	3.612	0.006	98	289898	50.0	49.3	
33 Acrylonitrile	53	3.630	3.624	0.006	97	842261	500.0	486.5	
35 Hexane	57	3.752	3.746	0.006	93	411979	50.0	49.9	
37 Vinyl acetate	43	3.928	3.922	0.006	97	1037634	100.0	102.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
39 1,1-Dichloroethane	63	3.940	3.934	0.006	96	492821	50.0	49.3	
44 2,2-Dichloropropane	77	4.378	4.372	0.006	79	513036	50.0	52.8	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	96	607556	250.0	267.3	
45 cis-1,2-Dichloroethene	96	4.384	4.384	0.000	83	314649	50.0	49.0	
48 Chlorobromomethane	128	4.597	4.591	0.006	88	146778	50.0	50.8	
49 Tetrahydrofuran	42	4.610	4.610	0.000	70	151932	100.0	102.9	
50 Chloroform	83	4.628	4.622	0.006	94	566332	50.0	51.9	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	522869	50.0	54.4	
52 Cyclohexane	56	4.798	4.792	0.006	87	432039	50.0	46.8	
54 1,1-Dichloropropene	75	4.883	4.883	0.000	95	444214	50.0	51.6	
55 Carbon tetrachloride	117	4.895	4.889	0.006	97	455586	50.0	55.6	
53 Isobutyl alcohol	43	4.956	4.944	0.012	92	269264	1250.0	1255.2	
57 Benzene	78	5.066	5.066	0.000	96	1134252	50.0	49.2	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	97	456096	50.0	54.3	
59 n-Heptane	43	5.163	5.163	0.000	85	374395	50.0	44.1	
62 Trichloroethene	95	5.589	5.583	0.006	97	315629	50.0	51.3	
64 Methylcyclohexane	83	5.723	5.723	0.000	87	511195	50.0	47.3	
65 1,2-Dichloropropane	63	5.802	5.802	0.000	89	243811	50.0	47.1	
66 1,4-Dioxane	88	5.911	5.905	0.006	89	44693	1000.0	1162.7	
67 Dibromomethane	93	5.936	5.930	0.006	96	182313	50.0	51.3	
68 Dichlorobromomethane	83	6.045	6.039	0.006	100	421441	50.0	52.9	
69 2-Chloroethyl vinyl ether	63	6.252	6.252	0.000	95	143199	50.0	50.4	
72 cis-1,3-Dichloropropene	75	6.422	6.416	0.006	95	500911	50.0	50.7	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.520	0.006	94	1171359	250.0	245.6	
74 Toluene	92	6.714	6.714	0.000	98	720613	50.0	47.6	
77 trans-1,3-Dichloropropene	75	6.933	6.933	0.000	96	462894	50.0	50.2	
75 Ethyl methacrylate	69	6.940	6.933	0.007	73	375079	50.0	49.8	
79 1,1,2-Trichloroethane	83	7.134	7.134	0.000	94	205256	50.0	47.7	
81 Tetrachloroethene	166	7.232	7.232	0.000	96	320552	50.0	48.9	
82 1,3-Dichloropropane	76	7.292	7.292	0.000	98	440800	50.0	48.7	
80 2-Hexanone	43	7.311	7.311	0.000	94	912695	250.0	252.9	
83 Chlorodibromomethane	129	7.536	7.536	0.000	89	290640	50.0	51.8	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	98	264729	50.0	50.4	
87 Chlorobenzene	112	8.114	8.114	0.000	93	772608	50.0	48.1	
88 Ethylbenzene	91	8.181	8.181	0.000	98	1377464	50.0	48.8	
89 1,1,1,2-Tetrachloroethane	131	8.193	8.193	0.000	92	292425	50.0	50.5	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	533738	50.0	48.5	
91 o-Xylene	106	8.728	8.728	0.000	96	498775	50.0	46.9	
92 Styrene	104	8.746	8.746	0.000	93	873432	50.0	48.2	
95 Bromoform	173	9.020	9.020	0.000	96	179167	50.0	51.8	
94 Isopropylbenzene	105	9.093	9.093	0.000	97	1319619	50.0	49.4	
101 Bromobenzene	156	9.482	9.483	0.000	94	348422	50.0	49.3	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.483	0.000	91	323475	50.0	49.8	
98 trans-1,4-Dichloro-2-buten	53	9.525	9.525	0.000	61	117898	50.0	54.1	
99 N-Propylbenzene	91	9.525	9.525	0.000	98	1583961	50.0	49.8	
100 1,2,3-Trichloropropane	110	9.531	9.531	0.000	81	108256	50.0	51.9	
103 2-Chlorotoluene	126	9.653	9.653	0.000	95	302666	50.0	48.4	
102 1,3,5-Trimethylbenzene	105	9.695	9.695	0.000	94	1149875	50.0	49.8	
105 4-Chlorotoluene	126	9.762	9.762	0.000	99	328017	50.0	50.2	
106 tert-Butylbenzene	134	10.018	10.018	0.000	91	252035	50.0	48.9	
107 1,2,4-Trimethylbenzene	105	10.073	10.073	0.000	97	1169423	50.0	50.0	
109 sec-Butylbenzene	105	10.225	10.225	0.000	95	1398506	50.0	49.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
110 4-Isopropyltoluene	119	10.352	10.352	0.000	96	1211875	50.0	49.4	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	666786	50.0	49.6	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	93	668354	50.0	48.8	
115 n-Butylbenzene	91	10.724	10.730	-0.006	97	1127159	50.0	50.1	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	97	617087	50.0	49.1	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	84	71143	50.0	55.6	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	397110	50.0	47.6	
120 Hexachlorobutadiene	225	12.226	12.226	0.000	98	235584	50.0	47.6	
121 Naphthalene	128	12.354	12.354	0.000	97	945571	50.0	48.6	
122 1,2,3-Trichlorobenzene	180	12.561	12.561	0.000	96	366931	50.0	47.9	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

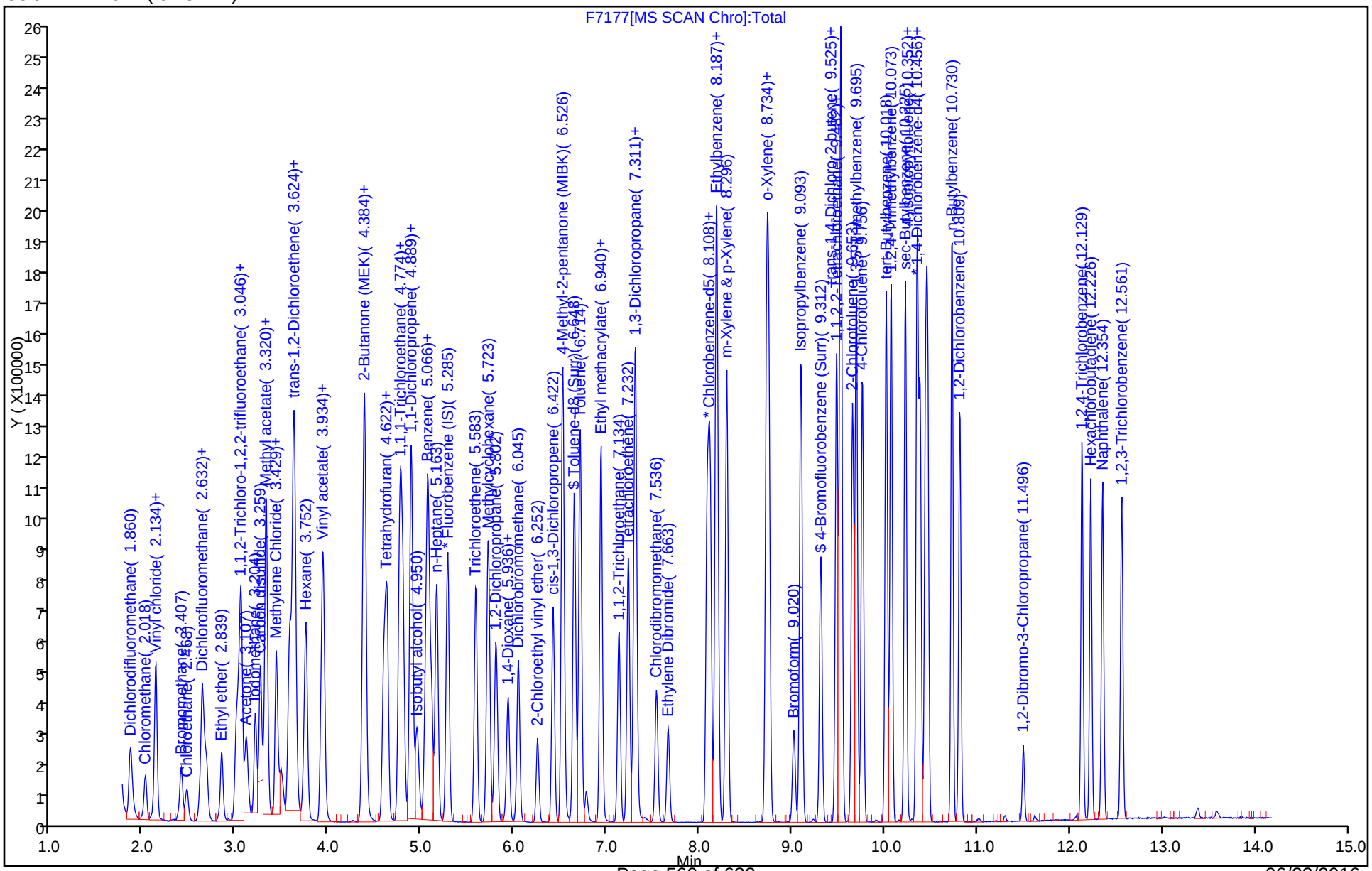
Report Date: 14-Jun-2016 01:19:18 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7177.D

Injection Date:	14-Jun-2016 00:08:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	LCS 480-306491/1-A			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7177.D
Lims ID: LCS 480-306491/1-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Jun-2016 00:08:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS 480-306491/1-A
Misc. Info.: 480-0054007-005
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 01:19:16 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 14-Jun-2016 01:19:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	50.0	50.5	101.00
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	52.3	104.67
$ 5 Toluene-d8 (Surr)	50.0	47.8	95.53
$ 6 4-Bromofluorobenzene (Surr)	50.0	49.9	99.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306748/5

Matrix: Water | Lab File ID: C5111.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 10:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.8		1.0	0.23
75-34-3	1,1-Dichloroethane	24.1		1.0	0.38
75-35-4	1,1-Dichloroethene	25.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.7		1.0	0.39
106-93-4	1,2-Dibromoethane	24.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.0		1.0	0.79
107-06-2	1,2-Dichloroethane	23.2		1.0	0.21
78-87-5	1,2-Dichloropropane	25.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.1		1.0	0.84
78-93-3	2-Butanone (MEK)	126		10	1.3
591-78-6	2-Hexanone	139		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	134		5.0	2.1
67-64-1	Acetone	123		10	3.0
71-43-2	Benzene	24.8		1.0	0.41
75-27-4	Bromodichloromethane	24.6		1.0	0.39
75-25-2	Bromoform	26.2		1.0	0.26
74-83-9	Bromomethane	23.4		1.0	0.69
75-15-0	Carbon disulfide	28.4		1.0	0.19
56-23-5	Carbon tetrachloride	24.3		1.0	0.27
108-90-7	Chlorobenzene	24.1		1.0	0.75
75-00-3	Chloroethane	24.3		1.0	0.32
67-66-3	Chloroform	23.5		1.0	0.34
74-87-3	Chloromethane	20.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.8		1.0	0.36
110-82-7	Cyclohexane	27.2		1.0	0.18
124-48-1	Dibromochloromethane	25.3		1.0	0.32
75-71-8	Dichlorodifluoromethane	22.8		1.0	0.68
100-41-4	Ethylbenzene	25.1		1.0	0.74
98-82-8	Isopropylbenzene	26.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-306748/5

Matrix: Water | Lab File ID: C5111.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 06/15/2016 10:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 306748 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	123		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.3		1.0	0.16
108-87-2	Methylcyclohexane	26.5		1.0	0.16
75-09-2	Methylene Chloride	26.4		1.0	0.44
100-42-5	Styrene	27.1		1.0	0.73
127-18-4	Tetrachloroethene	24.5		1.0	0.36
108-88-3	Toluene	24.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.4		1.0	0.37
79-01-6	Trichloroethene	24.4		1.0	0.46
75-69-4	Trichlorofluoromethane	23.4		1.0	0.88
75-01-4	Vinyl chloride	21.1		1.0	0.90
1330-20-7	Xylenes, Total	52.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5111.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Jun-2016 10:38:30 ALS Bottle#: 31 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0054049-005
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 11:51:46 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: goliszekg Date: 15-Jun-2016 11:51:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.357	9.357	0.000	98	125076	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.764	11.764	0.000	88	260283	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	95	273738	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.835	8.835	0.000	93	167507	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.132	9.132	0.000	0	103190	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	10.579	10.578	0.001	94	584260	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	95	204480	25.0	25.7	
10 Dichlorodifluoromethane	85	4.424	4.448	-0.024	99	305395	25.0	22.8	
12 Chloromethane	50	4.851	4.863	-0.012	100	391457	25.0	20.7	
13 Vinyl chloride	62	5.064	5.076	-0.012	98	317343	25.0	21.1	
151 Butadiene	54	5.124	5.124	0.000	91	314213	25.0	20.7	
14 Bromomethane	94	5.681	5.681	0.000	92	222909	25.0	23.4	
15 Chloroethane	64	5.823	5.823	0.000	99	207470	25.0	24.3	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	98	516886	25.0	23.5	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	98	446212	25.0	23.4	
18 Ethyl ether	59	6.476	6.475	0.001	97	249038	25.0	25.4	
20 Acrolein	56	6.725	6.724	0.001	100	217436	125.0	136.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.736	6.748	-0.012	92	252183	25.0	24.1	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	96	247959	25.0	25.8	
23 Acetone	43	6.867	6.867	0.000	100	479158	125.0	122.8	
25 Iodomethane	142	7.057	7.056	0.001	99	450628	25.0	24.4	
26 Carbon disulfide	76	7.128	7.139	-0.011	100	999285	25.0	28.4	
27 Methyl acetate	43	7.163	7.163	0.000	99	1117406	125.0	123.5	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	86	460500	25.0	24.8	
30 Methylene Chloride	84	7.329	7.341	-0.012	98	284747	25.0	26.4	
31 2-Methyl-2-propanol	59	7.341	7.353	-0.012	97	303325	250.0	245.1	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	99	707918	25.0	25.3	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.000	96	272649	25.0	25.1	
33 Acrylonitrile	53	7.578	7.578	0.000	99	1183079	250.0	267.4	
35 Hexane	57	7.709	7.709	0.000	93	405955	25.0	26.5	
37 Vinyl acetate	43	7.910	7.910	0.000	97	1247110	50.0	57.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	7.958	7.958	0.000	97	518100	25.0	24.1	
43 2-Butanone (MEK)	43	8.420	8.420	0.000	99	696786	125.0	126.4	
44 2,2-Dichloropropane	77	8.444	8.456	-0.012	86	329885	25.0	23.5	
45 cis-1,2-Dichloroethene	96	8.456	8.456	0.000	87	292539	25.0	24.5	
48 Chlorobromomethane	128	8.681	8.681	0.000	91	148876	25.0	23.5	
49 Tetrahydrofuran	42	8.693	8.693	0.000	60	176099	50.0	49.4	
50 Chloroform	83	8.693	8.693	0.000	97	470857	25.0	23.5	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	99	400731	25.0	23.9	
52 Cyclohexane	56	8.907	8.906	0.000	94	536161	25.0	27.2	
53 Isobutyl alcohol	43	8.942	8.942	0.000	98	383145	625.0	617.3	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	347154	25.0	25.6	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	375115	25.0	24.3	
57 Benzene	78	9.179	9.179	0.000	97	1042017	25.0	24.8	
59 n-Heptane	43	9.191	9.191	0.000	95	386948	25.0	24.9	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	399731	25.0	23.2	
62 Trichloroethene	95	9.654	9.642	0.012	96	270452	25.0	24.4	
64 Methylcyclohexane	83	9.784	9.784	0.000	97	374012	25.0	26.5	
65 1,2-Dichloropropane	63	9.855	9.855	0.000	94	294526	25.0	25.8	
66 1,4-Dioxane	88	9.926	9.926	0.000	98	45547	500.0	483.0	
67 Dibromomethane	93	9.986	9.997	-0.011	94	173697	25.0	24.3	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	353362	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	10.175	10.175	0.000	93	155994	25.0	27.1	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	410573	25.0	26.8	
73 4-Methyl-2-pentanone (MIBK	43	10.413	10.412	0.001	97	1495657	125.0	133.7	
74 Toluene	92	10.638	10.638	0.000	98	644957	25.0	24.8	
75 Ethyl methacrylate	69	10.709	10.709	0.000	92	274616	25.0	26.0	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	384510	25.0	26.4	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	201604	25.0	24.8	
80 2-Hexanone	43	11.053	11.053	0.000	98	1057725	125.0	139.1	
81 Tetrachloroethene	166	11.088	11.088	0.000	98	318006	25.0	24.5	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	97	408155	25.0	24.9	
83 Chlorodibromomethane	129	11.338	11.337	0.001	91	286478	25.0	25.3	
84 Ethylene Dibromide	107	11.468	11.468	0.000	98	248033	25.0	24.8	
87 Chlorobenzene	112	11.800	11.788	0.012	86	737877	25.0	24.1	
88 Ethylbenzene	91	11.800	11.800	0.000	97	1204666	25.0	25.1	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	95	286171	25.0	24.8	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	0	484261	25.0	26.4	
91 o-Xylene	106	12.227	12.227	0.000	95	466240	25.0	26.4	
92 Styrene	104	12.239	12.239	0.000	92	750237	25.0	27.1	
94 Isopropylbenzene	105	12.488	12.488	0.000	96	1170986	25.0	26.2	
95 Bromoform	173	12.523	12.523	0.000	97	177693	25.0	26.2	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	313542	25.0	25.1	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	82	100741	25.0	23.4	
99 N-Propylbenzene	91	12.844	12.843	0.001	99	1418507	25.0	25.5	
100 1,2,3-Trichloropropane	110	12.867	12.879	-0.012	86	98913	25.0	25.7	
101 Bromobenzene	156	12.903	12.903	0.000	89	347294	25.0	24.3	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	95	1022730	25.0	26.6	
103 2-Chlorotoluene	126	13.010	13.009	0.001	96	296593	25.0	24.8	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	304783	25.0	25.1	
106 tert-Butylbenzene	134	13.294	13.294	0.000	94	217184	25.0	25.9	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	97	1067261	25.0	27.4	
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	1257211	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	1105604	25.0	27.2	
111 1,3-Dichlorobenzene	146	13.721	13.721	0.000	98	652145	25.0	24.1	
113 1,4-Dichlorobenzene	146	13.804	13.804	0.000	96	672588	25.0	24.1	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	931738	25.0	25.5	
116 1,2-Dichlorobenzene	146	14.219	14.219	0.000	98	625142	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.000	83	53013	25.0	23.7	
119 1,2,4-Trichlorobenzene	180	16.128	16.128	0.000	95	411767	25.0	25.8	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	97	170395	25.0	24.3	
121 Naphthalene	128	16.567	16.567	0.000	97	916247	25.0	27.5	
122 1,2,3-Trichlorobenzene	180	16.935	16.935	0.000	96	396596	25.0	25.1	

Reagents:

8260 CORP mix_00075	Amount Added: 12.50	Units: uL	
GAS CORP mix_00160	Amount Added: 12.50	Units: uL	
C_8260_IS_00076	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00082	Amount Added: 1.00	Units: uL	Run Reagent

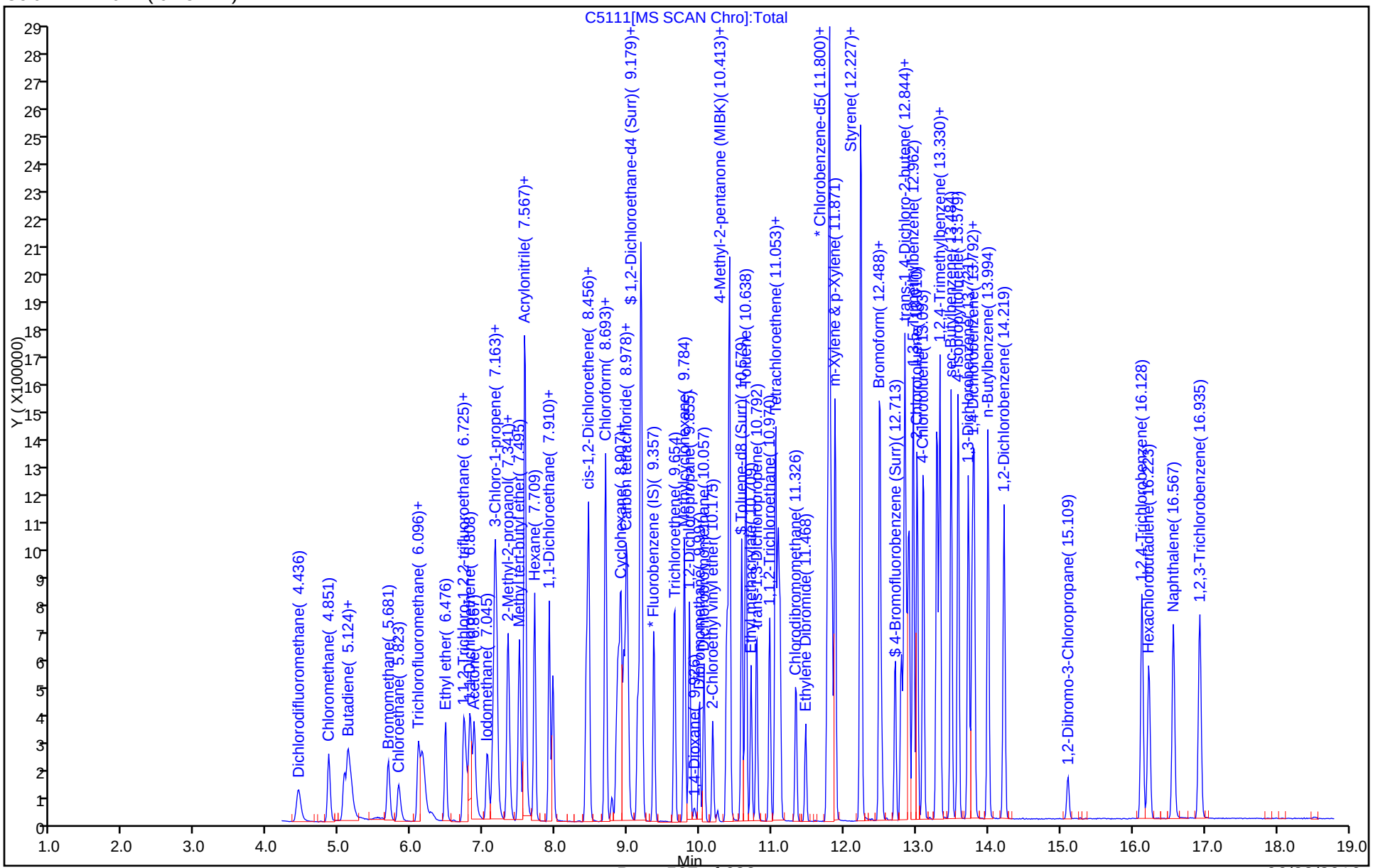
Report Date: 15-Jun-2016 11:51:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5111.D

Injection Date:	15-Jun-2016 10:38:30	Instrument ID:	HP5973C	Operator ID:	gtg
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C5111.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Jun-2016 10:38:30 ALS Bottle#: 31 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0054049-005
Operator ID: gtg Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160615-54049.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jun-2016 11:51:46 Calib Date: 25-May-2016 16:43:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20160525-53523.b\C4224.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: goliszekg Date: 15-Jun-2016 11:51:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 154 Dibromofluoromethane (Surr)	25.0	24.5	97.85
$ 4 1,2-Dichloroethane-d4 (Surr)	25.0	24.2	96.83
$ 5 Toluene-d8 (Surr)	25.0	25.0	99.90
$ 6 4-Bromofluorobenzene (Surr)	25.0	25.7	102.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 MS | Lab Sample ID: 480-101358-5 MS

Matrix: Solid | Lab File ID: N4624.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 20:18

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306573 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5980		1100	310
79-34-5	1,1,2,2-Tetrachloroethane	4400		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6200		1100	570
79-00-5	1,1,2-Trichloroethane	5320		1100	240
75-34-3	1,1-Dichloroethane	5430		1100	350
75-35-4	1,1-Dichloroethene	5710		1100	390
120-82-1	1,2,4-Trichlorobenzene	4870		1100	430
96-12-8	1,2-Dibromo-3-Chloropropane	4150		1100	570
106-93-4	1,2-Dibromoethane	5040		1100	200
95-50-1	1,2-Dichlorobenzene	4670		1100	290
107-06-2	1,2-Dichloroethane	5370		1100	460
78-87-5	1,2-Dichloropropane	5500		1100	180
541-73-1	1,3-Dichlorobenzene	4300		1100	300
106-46-7	1,4-Dichlorobenzene	4740		1100	160
78-93-3	2-Butanone (MEK)	32100		5700	3400
591-78-6	2-Hexanone	30400		5700	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	27400		5700	360
67-64-1	Acetone	29200		5700	4700
71-43-2	Benzene	5350		1100	220
75-27-4	Bromodichloromethane	5180		1100	230
75-25-2	Bromoform	5070		1100	570
74-83-9	Bromomethane	2340		1100	250
75-15-0	Carbon disulfide	5320		1100	520
56-23-5	Carbon tetrachloride	7050		1100	290
108-90-7	Chlorobenzene	5140		1100	150
75-00-3	Chloroethane	2910		1100	240
67-66-3	Chloroform	5410		1100	780
74-87-3	Chloromethane	2890		1100	270
156-59-2	cis-1,2-Dichloroethene	4830		1100	310
10061-01-5	cis-1,3-Dichloropropene	4850		1100	270
110-82-7	Cyclohexane	6550		1100	250
124-48-1	Dibromochloromethane	5260		1100	550
75-71-8	Dichlorodifluoromethane	3030		1100	500
100-41-4	Ethylbenzene	4990		1100	330
98-82-8	Isopropylbenzene	4810		1100	170

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 MS | Lab Sample ID: 480-101358-5 MS

Matrix: Solid | Lab File ID: N4624.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.03(g) | Date Analyzed: 06/14/2016 20:18

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306573 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	30700		1100	540
1634-04-4	Methyl tert-butyl ether	5340		1100	430
108-87-2	Methylcyclohexane	5950		1100	530
75-09-2	Methylene Chloride	4570		1100	220
100-42-5	Styrene	4830		1100	270
127-18-4	Tetrachloroethene	87600		1100	150
108-88-3	Toluene	5340		1100	300
156-60-5	trans-1,2-Dichloroethene	5540		1100	270
10061-02-6	trans-1,3-Dichloropropene	4500		1100	110
79-01-6	Trichloroethene	7720		1100	320
75-69-4	Trichlorofluoromethane	2880		1100	530
75-01-4	Vinyl chloride	2630		1100	380
1330-20-7	Xylenes, Total	8690		2300	630

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		53-146
460-00-4	4-Bromofluorobenzene (Surr)	116		49-148
2037-26-5	Toluene-d8 (Surr)	89		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4624.D
Lims ID: 480-101358-A-5-C MS
Client ID:
Sample Type: MS
Inject. Date: 14-Jun-2016 20:18:30 ALS Bottle#: 50 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-101358-A-5-C MS
Misc. Info.: 480-0054021-025
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 18:38:18 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 20:39:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	93440	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.557	8.557	0.000	89	311885	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	97	154978	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	122534	25.0	21.7	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	94	386767	25.0	22.4	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	88	136910	25.0	29.1	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	95	10372	25.0	2.67	
13 Chloromethane	50	1.549	1.549	0.000	97	18119	25.0	2.54	
14 Vinyl chloride	62	1.665	1.665	0.000	96	12551	25.0	2.31	
15 Bromomethane	94	1.975	1.969	0.006	7	5359	25.0	2.06	
16 Chloroethane	64	2.078	2.066	0.012	94	7759	25.0	2.56	
18 Trichlorofluoromethane	101	2.291	2.298	-0.007	56	11877	25.0	2.53	
22 1,1-Dichloroethene	96	2.802	2.803	-0.001	96	19269	25.0	5.03	
21 1,1,2-Trichloro-1,2,2-trif	101	2.815	2.815	0.000	68	17945	25.0	5.46	
23 Acetone	43	2.900	2.900	0.000	100	49253	125.0	25.7	
25 Carbon disulfide	76	3.003	3.003	0.000	99	59498	25.0	4.68	
28 Methyl acetate	43	3.210	3.204	0.006	100	132811	125.0	27.0	
30 Methylene Chloride	84	3.307	3.301	0.006	94	22430	25.0	4.03	
32 Methyl tert-butyl ether	73	3.532	3.533	-0.001	97	67098	25.0	4.70	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	71	20379	25.0	4.88	
36 1,1-Dichloroethane	63	3.958	3.952	0.006	96	42241	25.0	4.78	
43 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	86	21003	25.0	4.25	
44 2-Butanone (MEK)	43	4.536	4.530	0.006	98	82083	125.0	28.3	
50 Chloroform	83	4.816	4.810	0.006	94	35372	25.0	4.76	
51 1,1,1-Trichloroethane	97	4.944	4.944	0.000	95	28516	25.0	5.26	
52 Cyclohexane	56	4.974	4.974	0.000	64	50524	25.0	5.76	
53 Carbon tetrachloride	117	5.090	5.090	0.000	83	28233	25.0	6.20	
55 Benzene	78	5.297	5.297	0.000	95	80946	25.0	4.71	
57 1,2-Dichloroethane	62	5.339	5.345	-0.006	96	31805	25.0	4.72	
60 Trichloroethene	95	5.905	5.905	0.000	94	27361	25.0	6.80	
62 Methylcyclohexane	83	6.051	6.051	0.000	98	37010	25.0	5.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	6.136	6.136	0.000	93	22764	25.0	4.84	
67 Dichlorobromomethane	83	6.422	6.416	0.006	96	24397	25.0	4.56	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	93	29592	25.0	4.27	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	57442	125.0	24.1	
73 Toluene	92	7.140	7.146	-0.006	97	50839	25.0	4.70	
75 trans-1,3-Dichloropropene	75	7.408	7.402	0.006	98	25203	25.0	3.96	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	14231	25.0	4.68	
79 Tetrachloroethene	166	7.688	7.688	0.000	97	300811	25.0	77.1	
82 2-Hexanone	43	7.821	7.822	-0.001	99	95879	125.0	26.7	
83 Chlorodibromomethane	129	7.992	7.992	0.000	87	17637	25.0	4.63	
84 Ethylene Dibromide	107	8.101	8.101	0.000	96	16685	25.0	4.44	
85 Chlorobenzene	112	8.588	8.588	0.000	93	50002	25.0	4.52	
88 Ethylbenzene	91	8.685	8.685	0.000	98	90093	25.0	4.39	
90 m-Xylene & p-Xylene	106	8.813	8.807	0.006	0	32546		3.32	
91 o-Xylene	106	9.239	9.233	0.006	95	35688		4.33	
92 Styrene	104	9.263	9.263	0.000	93	52664	25.0	4.25	
93 Bromoform	173	9.494	9.494	0.000	94	10162	25.0	4.46	
95 Isopropylbenzene	105	9.622	9.616	0.006	97	84094	25.0	4.23	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	93	21183	25.0	3.87	
110 1,3-Dichlorobenzene	146	10.875	10.869	0.006	94	34448	25.0	3.79	
113 1,4-Dichlorobenzene	146	10.960	10.955	0.005	94	37753	25.0	4.17	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	94	35628	25.0	4.11	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.025	0.000	75	3841	25.0	3.65	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	0.000	94	25240	25.0	4.29	
S 126 Xylenes, Total	1				0			7.65	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

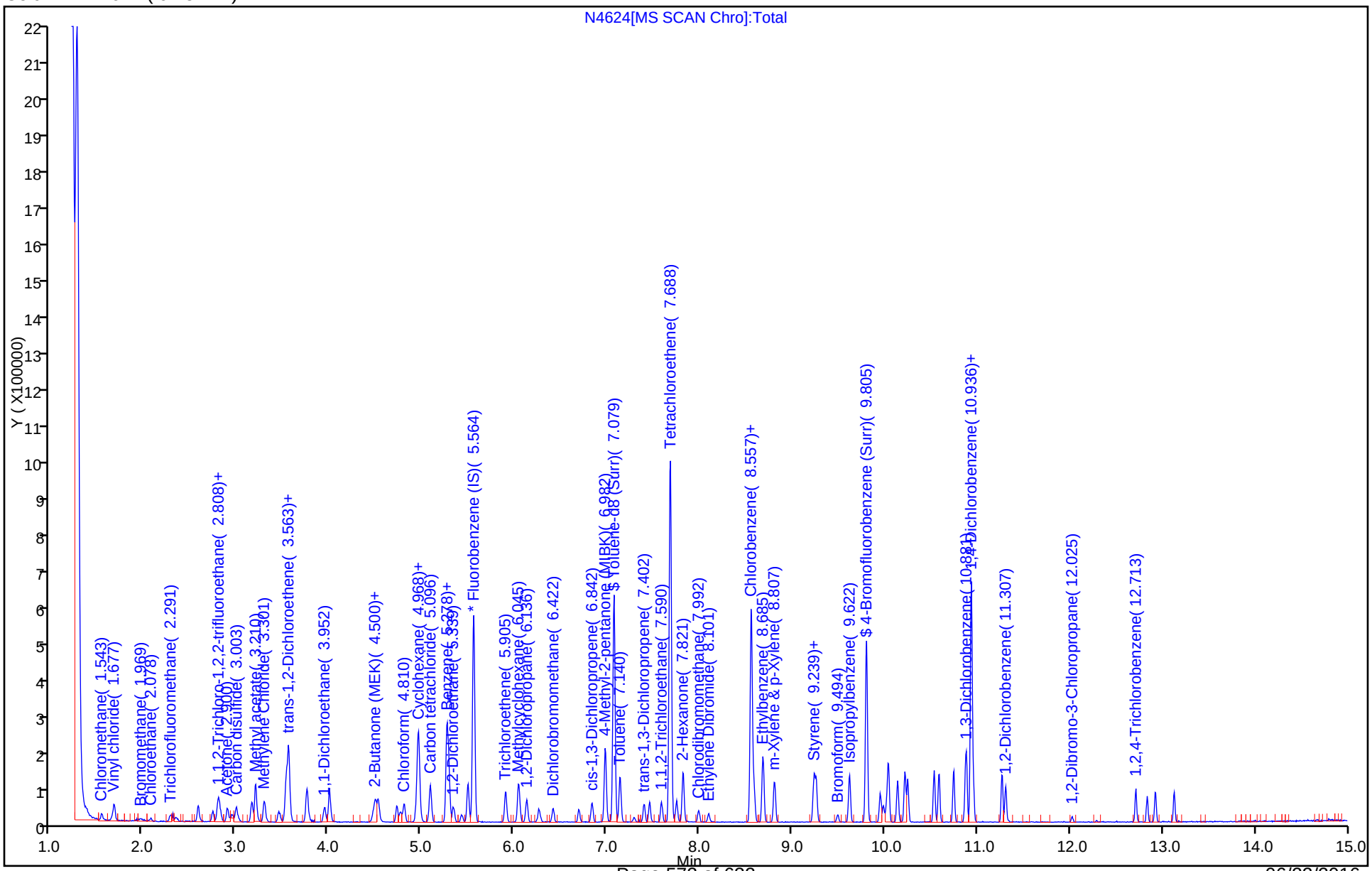
Report Date: 14-Jun-2016 20:39:42 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4624.D

Injection Date:	14-Jun-2016 20:18:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-101358-A-5-C MS			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	50
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4624.D
Lims ID: 480-101358-A-5-C MS
Client ID:
Sample Type: MS
Inject. Date: 14-Jun-2016 20:18:30 ALS Bottle#: 50 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-101358-A-5-C MS
Misc. Info.: 480-0054021-025
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 18:38:18 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 20:39:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	21.7	86.76
$ 6 Toluene-d8 (Surr)	25.0	22.4	89.46
$ 7 4-Bromofluorobenzene (Surr)	25.0	29.1	116.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S2 MS | Lab Sample ID: 480-101358-10 MS

Matrix: Solid | Lab File ID: F7137.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:15

Sample wt/vol: 5.05(g) | Date Analyzed: 06/13/2016 05:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	44.3		6.1	0.44
79-34-5	1,1,2,2-Tetrachloroethane	34.1		6.1	0.99
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	44.6		6.1	1.4
79-00-5	1,1,2-Trichloroethane	35.5		6.1	0.79
75-34-3	1,1-Dichloroethane	43.9		6.1	0.74
75-35-4	1,1-Dichloroethene	42.6		6.1	0.75
120-82-1	1,2,4-Trichlorobenzene	9.90		6.1	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	25.4		6.1	3.0
106-93-4	1,2-Dibromoethane	31.0		6.1	0.78
95-50-1	1,2-Dichlorobenzene	27.3		6.1	0.48
107-06-2	1,2-Dichloroethane	38.0		6.1	0.31
78-87-5	1,2-Dichloropropane	39.2		6.1	3.0
541-73-1	1,3-Dichlorobenzene	24.7		6.1	0.31
106-46-7	1,4-Dichlorobenzene	23.9		6.1	0.85
78-93-3	2-Butanone (MEK)	177		30	2.2
591-78-6	2-Hexanone	140		30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	166		30	2.0
67-64-1	Acetone	206		30	5.1
71-43-2	Benzene	41.2		6.1	0.30
75-27-4	Bromodichloromethane	39.3		6.1	0.82
75-25-2	Bromoform	30.1		6.1	3.0
74-83-9	Bromomethane	48.4		6.1	0.55
75-15-0	Carbon disulfide	39.7		6.1	3.0
56-23-5	Carbon tetrachloride	41.6		6.1	0.59
108-90-7	Chlorobenzene	33.4		6.1	0.81
75-00-3	Chloroethane	47.9		6.1	1.4
67-66-3	Chloroform	43.1		6.1	0.38
74-87-3	Chloromethane	50.8		6.1	0.37
156-59-2	cis-1,2-Dichloroethene	41.4		6.1	0.78
10061-01-5	cis-1,3-Dichloropropene	33.4		6.1	0.88
110-82-7	Cyclohexane	38.0		6.1	0.85
124-48-1	Dibromochloromethane	36.7		6.1	0.78
75-71-8	Dichlorodifluoromethane	49.3		6.1	0.50
100-41-4	Ethylbenzene	33.5		6.1	0.42
98-82-8	Isopropylbenzene	36.2		6.1	0.92

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S2 MS | Lab Sample ID: 480-101358-10 MS

Matrix: Solid | Lab File ID: F7137.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:15

Sample wt/vol: 5.05(g) | Date Analyzed: 06/13/2016 05:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	192		6.1	3.7
1634-04-4	Methyl tert-butyl ether	48.4		6.1	0.60
108-87-2	Methylcyclohexane	33.2		6.1	0.93
75-09-2	Methylene Chloride	50.2		6.1	2.8
100-42-5	Styrene	30.1		6.1	0.30
127-18-4	Tetrachloroethene	34.8		6.1	0.82
108-88-3	Toluene	37.6		6.1	0.46
156-60-5	trans-1,2-Dichloroethene	40.7		6.1	0.63
10061-02-6	trans-1,3-Dichloropropene	31.1		6.1	2.7
79-01-6	Trichloroethene	36.7		6.1	1.3
75-69-4	Trichlorofluoromethane	43.2		6.1	0.58
75-01-4	Vinyl chloride	44.9		6.1	0.74
1330-20-7	Xylenes, Total	66.9		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	63	X	64-126
460-00-4	4-Bromofluorobenzene (Surr)	113		72-126
2037-26-5	Toluene-d8 (Surr)	86		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7137.D
Lims ID: 480-101358-A-10-B MS
Client ID: B107-AREA2-S2
Sample Type: MS
Inject. Date: 13-Jun-2016 05:43:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-10-B MS
Misc. Info.: 480-0053971-021
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 10:49:12 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 10:49:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	234528	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	456766	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	365663	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.035	5.041	-0.006	0	107483	50.0	31.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	847070	50.0	42.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	88	359714	50.0	56.6	
10 Dichlorodifluoromethane	85	1.847	1.853	-0.006	100	296312	50.0	40.4	
12 Chloromethane	50	2.006	2.018	-0.012	99	204446	50.0	41.7	
13 Vinyl chloride	62	2.121	2.127	-0.006	98	184911	50.0	36.8	
14 Bromomethane	94	2.401	2.401	0.000	92	151134	50.0	39.7	
15 Chloroethane	64	2.462	2.462	0.000	99	111057	50.0	39.2	
17 Trichlorofluoromethane	101	2.650	2.663	-0.013	98	334626	50.0	35.4	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.028	0.000	93	219132	50.0	36.6	
22 1,1-Dichloroethene	96	3.046	3.052	-0.006	99	202166	50.0	34.9	
23 Acetone	43	3.107	3.107	0.000	99	325188	250.0	168.7	
26 Carbon disulfide	76	3.253	3.259	-0.006	99	686204	50.0	32.5	
27 Methyl acetate	43	3.320	3.320	0.000	94	615756	250.0	157.7	
30 Methylene Chloride	84	3.423	3.429	-0.006	87	291619	50.0	41.2	
32 Methyl tert-butyl ether	73	3.569	3.575	-0.006	93	825015	50.0	39.7	
34 trans-1,2-Dichloroethene	96	3.612	3.612	0.000	97	222620	50.0	33.4	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	96	407678	50.0	36.0	
43 2-Butanone (MEK)	43	4.372	4.378	-0.006	94	374100	250.0	145.1	
45 cis-1,2-Dichloroethene	96	4.384	4.390	-0.006	83	247095	50.0	33.9	
50 Chloroform	83	4.622	4.628	-0.006	94	436646	50.0	35.3	
51 1,1,1-Trichloroethane	97	4.761	4.768	-0.007	97	395993	50.0	36.3	
52 Cyclohexane	56	4.792	4.792	0.000	87	326133	50.0	31.2	
55 Carbon tetrachloride	117	4.889	4.895	-0.006	98	316836	50.0	34.1	
57 Benzene	78	5.066	5.066	0.000	95	882404	50.0	33.8	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	296589	50.0	31.1	
62 Trichloroethene	95	5.583	5.583	0.000	98	209682	50.0	30.1	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	333782	50.0	27.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63	5.802	5.802	0.000	92	188493	50.0	32.1	
68 Dichlorobromomethane	83	6.045	6.045	0.000	100	291289	50.0	32.2	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	306491	50.0	27.4	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	677496	250.0	135.7	
74 Toluene	92	6.708	6.714	-0.006	99	488215	50.0	30.8	
77 trans-1,3-Dichloropropene	75	6.933	6.939	-0.006	97	245787	50.0	25.5	
79 1,1,2-Trichloroethane	83	7.128	7.134	-0.006	92	131155	50.0	29.1	
81 Tetrachloroethene	166	7.231	7.231	0.000	98	195526	50.0	28.5	
80 2-Hexanone	43	7.310	7.310	0.000	94	434701	250.0	115.1	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	176688	50.0	30.1	
84 Ethylene Dibromide	107	7.663	7.663	0.000	99	139495	50.0	25.4	
87 Chlorobenzene	112	8.114	8.113	0.001	93	460328	50.0	27.4	
88 Ethylbenzene	91	8.180	8.180	0.000	98	813071	50.0	27.5	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	100	302656		26.3	
91 o-Xylene	106	8.728	8.728	0.000	97	317729		28.5	
92 Styrene	104	8.746	8.752	-0.006	94	467740	50.0	24.6	
95 Bromoform	173	9.020	9.020	0.000	96	89316	50.0	24.7	
94 Isopropylbenzene	105	9.093	9.099	-0.006	96	750207	50.0	29.6	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.482	0.000	95	171985	50.0	27.9	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	258511	50.0	20.3	
113 1,4-Dichlorobenzene	146	10.468	10.468	0.000	95	254040	50.0	19.6	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	98	266441	50.0	22.4	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	83	25233	50.0	20.8	
119 1,2,4-Trichlorobenzene	180	12.135	12.129	0.006	94	64222	50.0	8.11	
S 124 Xylenes, Total	1				0			54.8	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent

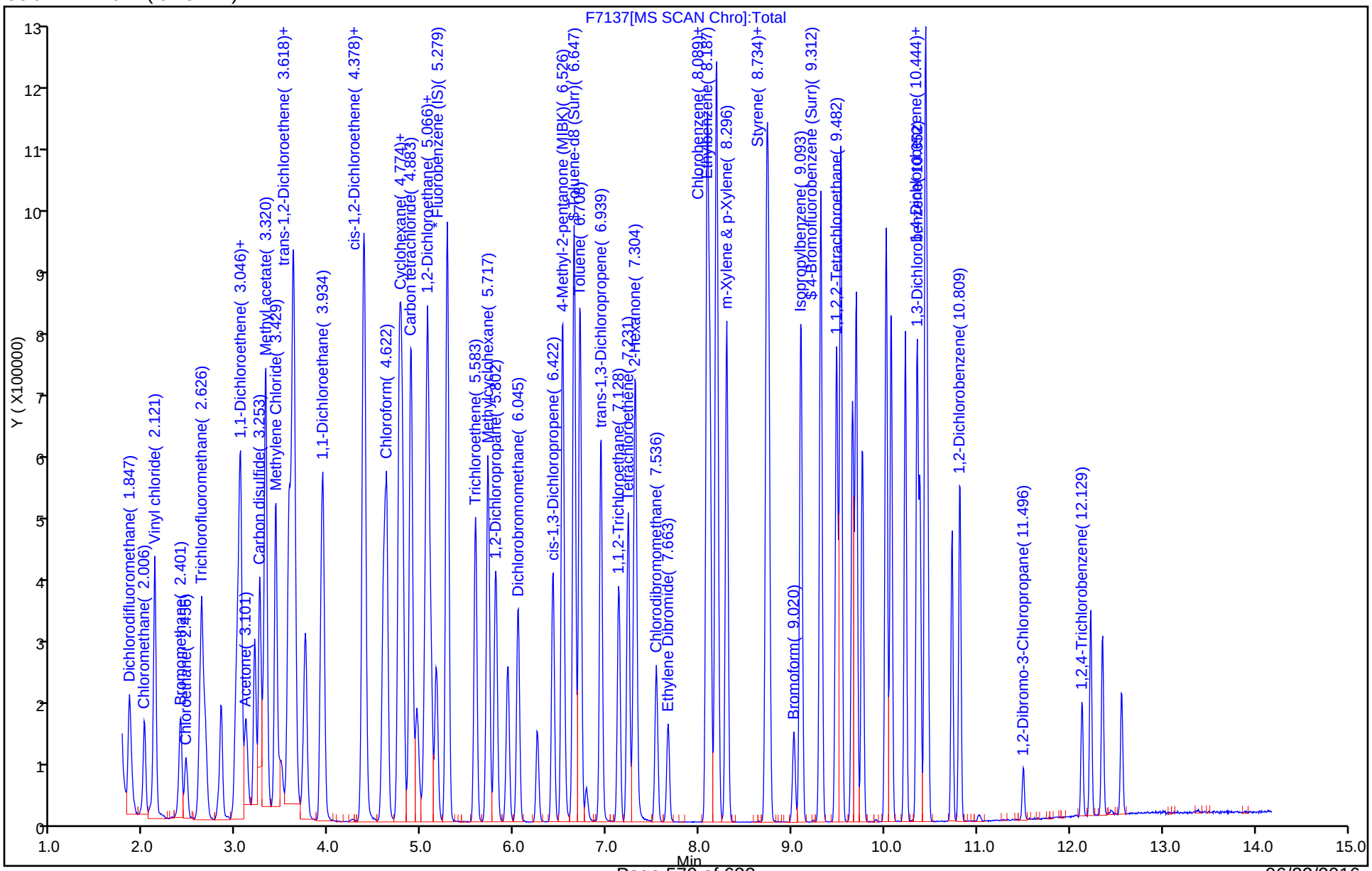
Report Date: 13-Jun-2016 10:49:40 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7137.D

Injection Date:	13-Jun-2016 05:43:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101358-A-10-B MS			Worklist Smp#:	21
Client ID:	B107-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7137.D				
Lims ID:	480-101358-A-10-B MS				
Client ID:	B107-AREA2-S2				
Sample Type:	MS				
Inject. Date:	13-Jun-2016 05:43:30	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101358-A-10-B MS				
Misc. Info.:	480-0053971-021				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	13-Jun-2016 10:49:12	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK032				

First Level Reviewer: cwiklinc Date: 13-Jun-2016 10:49:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	31.7	63.46
$ 5 Toluene-d8 (Surr)	50.0	42.9	85.79
$ 6 4-Bromofluorobenzene (Surr)	50.0	56.6	113.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S1 MS | Lab Sample ID: 480-101358-12 MS

Matrix: Solid | Lab File ID: F7194.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:30

Sample wt/vol: 5.1(g) | Date Analyzed: 06/14/2016 07:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	53.9		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	83.0		5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49.1		5.4	1.2
79-00-5	1,1,2-Trichloroethane	44.8		5.4	0.70
75-34-3	1,1-Dichloroethane	47.6		5.4	0.66
75-35-4	1,1-Dichloroethene	46.0		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	12.5		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	54.0		5.4	2.7
106-93-4	1,2-Dibromoethane	35.3		5.4	0.69
95-50-1	1,2-Dichlorobenzene	47.5		5.4	0.42
107-06-2	1,2-Dichloroethane	45.4		5.4	0.27
78-87-5	1,2-Dichloropropane	40.9		5.4	2.7
541-73-1	1,3-Dichlorobenzene	43.5		5.4	0.28
106-46-7	1,4-Dichlorobenzene	39.3		5.4	0.76
78-93-3	2-Butanone (MEK)	171		27	2.0
591-78-6	2-Hexanone	149		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	195		27	1.8
67-64-1	Acetone	206		27	4.5
71-43-2	Benzene	44.0		5.4	0.26
75-27-4	Bromodichloromethane	45.9		5.4	0.72
75-25-2	Bromoform	34.8		5.4	2.7
74-83-9	Bromomethane	46.3		5.4	0.49
75-15-0	Carbon disulfide	43.7		5.4	2.7
56-23-5	Carbon tetrachloride	53.2		5.4	0.52
108-90-7	Chlorobenzene	39.9		5.4	0.71
75-00-3	Chloroethane	43.3		5.4	1.2
67-66-3	Chloroform	50.3		5.4	0.33
74-87-3	Chloromethane	43.8		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	44.6		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	34.0		5.4	0.78
110-82-7	Cyclohexane	40.0		5.4	0.76
124-48-1	Dibromochloromethane	48.3		5.4	0.69
75-71-8	Dichlorodifluoromethane	59.5		5.4	0.45
100-41-4	Ethylbenzene	39.7		5.4	0.37
98-82-8	Isopropylbenzene	87.8		5.4	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S1 MS | Lab Sample ID: 480-101358-12 MS

Matrix: Solid | Lab File ID: F7194.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:30

Sample wt/vol: 5.1(g) | Date Analyzed: 06/14/2016 07:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	174		5.4	3.3
1634-04-4	Methyl tert-butyl ether	48.2		5.4	0.53
108-87-2	Methylcyclohexane	35.0		5.4	0.82
75-09-2	Methylene Chloride	57.6		5.4	2.5
100-42-5	Styrene	30.2		5.4	0.27
127-18-4	Tetrachloroethene	50.9		5.4	0.72
108-88-3	Toluene	48.2		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	43.7		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	36.2		5.4	2.4
79-01-6	Trichloroethene	43.1		5.4	1.2
75-69-4	Trichlorofluoromethane	55.0		5.4	0.51
75-01-4	Vinyl chloride	40.9		5.4	0.66
1330-20-7	Xylenes, Total	77.7		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		64-126
460-00-4	4-Bromofluorobenzene (Surr)	67	X	72-126
2037-26-5	Toluene-d8 (Surr)	113		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7194.D
Lims ID: 480-101358-A-12-E MS
Client ID: B108-AREA2-S1
Sample Type: MS
Inject. Date: 14-Jun-2016 07:28:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-12-E MS
Misc. Info.: 480-0054007-022
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:11:32 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:12:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	162233	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	260570	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	99776	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	108310	50.0	46.2	
$ 5 Toluene-d8 (Surr)	98	6.648	6.647	0.001	93	639114	50.0	56.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	120947	50.0	33.4	
10 Dichlorodifluoromethane	85	1.854	1.848	0.006	99	279795	50.0	55.1	
12 Chloromethane	50	2.012	2.012	0.000	97	137749	50.0	40.6	
13 Vinyl chloride	62	2.121	2.115	0.006	94	131680	50.0	37.9	
14 Bromomethane	94	2.401	2.395	0.006	95	112866	50.0	42.9	
15 Chloroethane	64	2.468	2.462	0.006	98	78412	50.0	40.1	
17 Trichlorofluoromethane	101	2.657	2.645	0.012	99	332900	50.0	51.0	
21 1,1,2-Trichloro-1,2,2-trif	101	3.028	3.022	0.006	93	188268	50.0	45.5	
22 1,1-Dichloroethene	96	3.052	3.046	0.006	99	170619	50.0	42.6	
23 Acetone	43	3.107	3.101	0.006	98	253033	250.0	190.4	
26 Carbon disulfide	76	3.259	3.253	0.006	99	590840	50.0	40.5	
27 Methyl acetate	43	3.320	3.314	0.006	94	436433	250.0	161.6	
30 Methylene Chloride	84	3.429	3.429	0.000	88	256166	50.0	53.3	
32 Methyl tert-butyl ether	73	3.575	3.569	0.006	93	642191	50.0	44.6	
34 trans-1,2-Dichloroethene	96	3.618	3.612	0.006	99	186745	50.0	40.4	
39 1,1-Dichloroethane	63	3.940	3.934	0.006	97	345998	50.0	44.1	
43 2-Butanone (MEK)	43	4.372	4.378	-0.006	82	281681	250.0	158.0	
45 cis-1,2-Dichloroethene	96	4.390	4.384	0.006	85	208172	50.0	41.3	
50 Chloroform	83	4.628	4.622	0.006	94	398712	50.0	46.6	
51 1,1,1-Trichloroethane	97	4.774	4.768	0.006	97	376854	50.0	50.0	
52 Cyclohexane	56	4.792	4.792	0.000	87	267891	50.0	37.0	
55 Carbon tetrachloride	117	4.895	4.889	0.006	98	316896	50.0	49.3	
57 Benzene	78	5.072	5.066	0.006	95	735905	50.0	40.7	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	277111	50.0	42.0	
62 Trichloroethene	95	5.589	5.583	0.006	97	192715	50.0	39.9	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	275428	50.0	32.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63	5.802	5.802	0.000	88	153823	50.0	37.9	
68 Dichlorobromomethane	83	6.039	6.039	0.000	100	265953	50.0	42.5	
72 cis-1,3-Dichloropropene	75	6.422	6.416	0.006	95	243972	50.0	31.5	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.520	0.006	94	513118	250.0	180.2	
74 Toluene	92	6.714	6.714	0.000	98	403417	50.0	44.7	
77 trans-1,3-Dichloropropene	75	6.933	6.933	0.000	98	184822	50.0	33.6	
79 1,1,2-Trichloroethane	83	7.128	7.134	-0.006	95	106513	50.0	41.5	
81 Tetrachloroethene	166	7.232	7.232	0.000	95	184540	50.0	47.2	
80 2-Hexanone	43	7.317	7.311	0.006	94	296969	250.0	137.8	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	149760	50.0	44.7	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	97	102431	50.0	32.7	
87 Chlorobenzene	112	8.114	8.114	0.000	92	354262	50.0	36.9	
88 Ethylbenzene	91	8.181	8.181	0.000	98	619945	50.0	36.8	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	221708		33.8	
91 o-Xylene	106	8.728	8.728	0.000	98	242659		38.2	
92 Styrene	104	8.746	8.746	0.000	93	303145	50.0	28.0	
95 Bromoform	173	9.020	9.020	0.000	95	66523	50.0	32.2	
94 Isopropylbenzene	105	9.099	9.093	0.006	96	561681	50.0	81.3	
97 1,1,2,2-Tetrachloroethane	83	9.476	9.483	-0.006	81	129227	50.0	76.9	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	140092	50.0	40.3	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	94	128777	50.0	36.4	
116 1,2-Dichlorobenzene	146	10.809	10.815	-0.006	96	142786	50.0	44.0	
117 1,2-Dibromo-3-Chloropropan	75	11.502	11.496	0.006	84	16541	50.0	50.0	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	93	25039	50.0	11.6	
S 124 Xylenes, Total	1				0			72.0	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

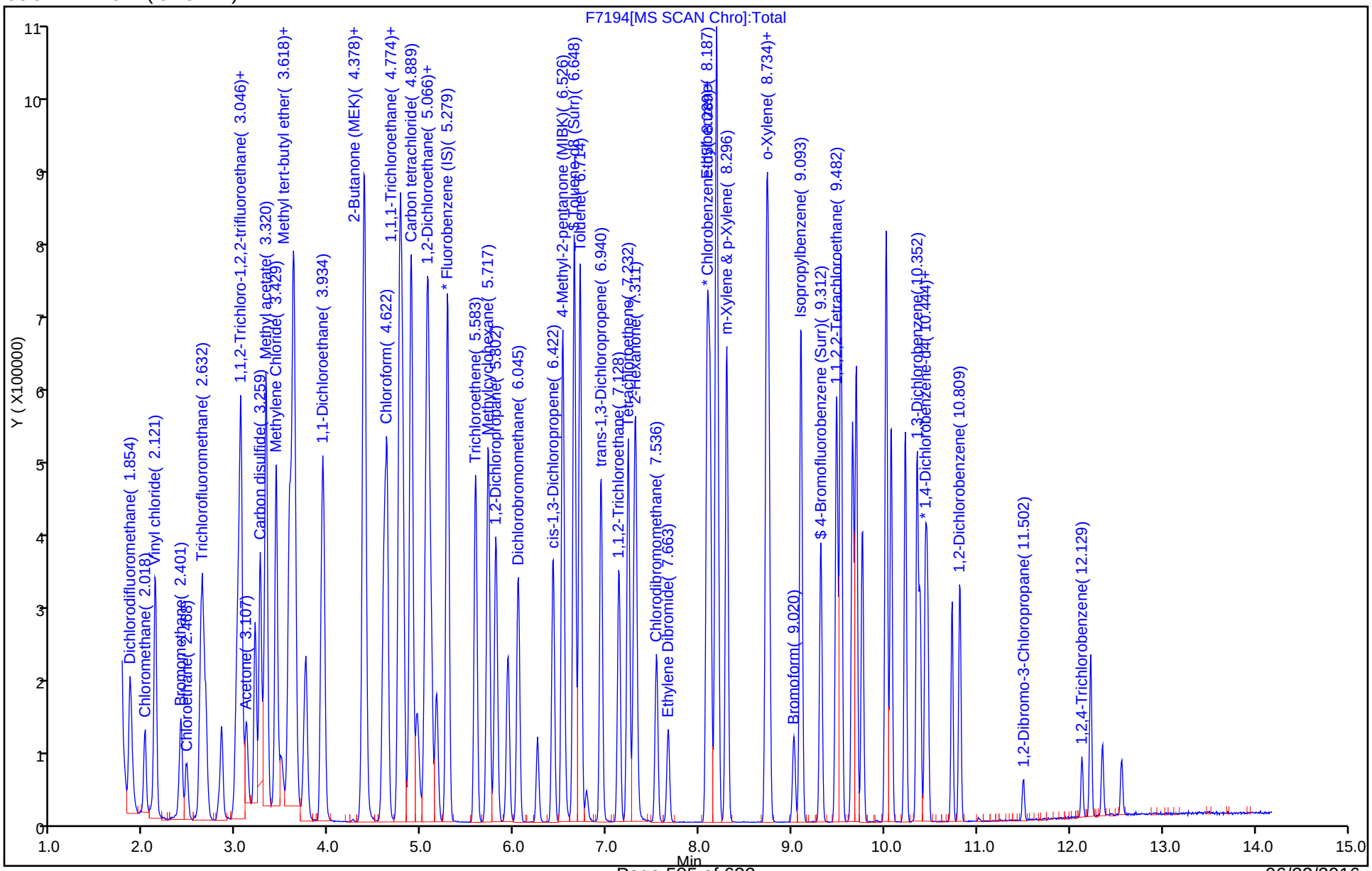
Report Date: 14-Jun-2016 10:17:47 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7194.D

Injection Date:	14-Jun-2016 07:28:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101358-A-12-E MS			Worklist Smp#:	22
Client ID:	B108-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7194.D				
Lims ID:	480-101358-A-12-E MS				
Client ID:	B108-AREA2-S1				
Sample Type:	MS				
Inject. Date:	14-Jun-2016 07:28:30	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101358-A-12-E MS				
Misc. Info.:	480-0054007-022				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 10:11:32	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:12:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	46.2	92.44
$ 5 Toluene-d8 (Surr)	50.0	56.7	113.47
$ 6 4-Bromofluorobenzene (Surr)	50.0	33.4	66.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 MSD | Lab Sample ID: 480-101358-5 MSD

Matrix: Solid | Lab File ID: N4625.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.07(g) | Date Analyzed: 06/14/2016 20:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306573 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	6610		1100	310
79-34-5	1,1,2,2-Tetrachloroethane	4250		1100	180
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6540		1100	560
79-00-5	1,1,2-Trichloroethane	5600		1100	240
75-34-3	1,1-Dichloroethane	5700		1100	350
75-35-4	1,1-Dichloroethene	5650		1100	390
120-82-1	1,2,4-Trichlorobenzene	5040		1100	430
96-12-8	1,2-Dibromo-3-Chloropropane	4440		1100	560
106-93-4	1,2-Dibromoethane	5010		1100	200
95-50-1	1,2-Dichlorobenzene	4450		1100	290
107-06-2	1,2-Dichloroethane	5280		1100	460
78-87-5	1,2-Dichloropropane	5580		1100	180
541-73-1	1,3-Dichlorobenzene	4380		1100	300
106-46-7	1,4-Dichlorobenzene	4470		1100	160
78-93-3	2-Butanone (MEK)	29400		5600	3300
591-78-6	2-Hexanone	31800		5600	2300
108-10-1	4-Methyl-2-pentanone (MIBK)	26500		5600	360
67-64-1	Acetone	30600		5600	4600
71-43-2	Benzene	5510		1100	210
75-27-4	Bromodichloromethane	5230		1100	230
75-25-2	Bromoform	4870		1100	560
74-83-9	Bromomethane	2110		1100	250
75-15-0	Carbon disulfide	5530		1100	510
56-23-5	Carbon tetrachloride	6710		1100	290
108-90-7	Chlorobenzene	5170		1100	150
75-00-3	Chloroethane	2890		1100	230
67-66-3	Chloroform	5190		1100	770
74-87-3	Chloromethane	2930		1100	270
156-59-2	cis-1,2-Dichloroethene	5050		1100	310
10061-01-5	cis-1,3-Dichloropropene	4740		1100	270
110-82-7	Cyclohexane	6660		1100	250
124-48-1	Dibromochloromethane	5220		1100	550
75-71-8	Dichlorodifluoromethane	3190		1100	490
100-41-4	Ethylbenzene	4930		1100	330
98-82-8	Isopropylbenzene	4880		1100	170

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B105-AREA2-S1 MSD | Lab Sample ID: 480-101358-5 MSD

Matrix: Solid | Lab File ID: N4625.D

Analysis Method: 8260C | Date Collected: 06/08/2016 11:00

Sample wt/vol: 5.07(g) | Date Analyzed: 06/14/2016 20:44

Soil Aliquot Vol: 100 (uL) | Dilution Factor: 10

Soil Extract Vol.: 10(mL) | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.7 | Level: (low/med) Medium

Analysis Batch No.: 306573 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	30400		1100	540
1634-04-4	Methyl tert-butyl ether	5470		1100	430
108-87-2	Methylcyclohexane	6300		1100	530
75-09-2	Methylene Chloride	4220		1100	220
100-42-5	Styrene	4860		1100	270
127-18-4	Tetrachloroethene	85000		1100	150
108-88-3	Toluene	4920		1100	300
156-60-5	trans-1,2-Dichloroethene	5350		1100	270
10061-02-6	trans-1,3-Dichloropropene	4920		1100	110
79-01-6	Trichloroethene	7610		1100	310
75-69-4	Trichlorofluoromethane	2760		1100	530
75-01-4	Vinyl chloride	2740		1100	380
1330-20-7	Xylenes, Total	8530		2300	620

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		53-146
460-00-4	4-Bromofluorobenzene (Surr)	113		49-148
2037-26-5	Toluene-d8 (Surr)	88		50-149

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4625.D
Lims ID: 480-101358-A-5-D MSD
Client ID:
Sample Type: MSD
Inject. Date: 14-Jun-2016 20:44:30 ALS Bottle#: 51 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-101358-A-5-D MSD
Misc. Info.: 480-0054021-026
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:06:12 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 21:07:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.564	5.564	0.000	98	92650	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.564	8.557	0.007	90	315163	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.936	10.936	0.000	96	156213	25.0	25.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	5.272	5.272	0.000	0	126430	25.0	22.6	
$ 6 Toluene-d8 (Surr)	98	7.079	7.079	0.000	95	385765	25.0	22.1	
$ 7 4-Bromofluorobenzene (Surr	174	9.805	9.805	0.000	88	134528	25.0	28.3	
11 Dichlorodifluoromethane	85	1.391	1.391	0.000	54	10908	25.0	2.83	
13 Chloromethane	50	1.549	1.549	0.000	98	18376	25.0	2.60	
14 Vinyl chloride	62	1.659	1.665	-0.006	96	13053	25.0	2.43	
15 Bromomethane	94	1.963	1.969	-0.006	29	4827	25.0	1.87	
16 Chloroethane	64	2.078	2.066	0.012	41	7688	25.0	2.56	
18 Trichlorofluoromethane	101	2.304	2.298	0.006	52	11380	25.0	2.45	
22 1,1-Dichloroethene	96	2.802	2.803	-0.001	97	19038	25.0	5.01	
21 1,1,2-Trichloro-1,2,2-trif	101	2.808	2.815	-0.007	66	18910	25.0	5.80	
23 Acetone	43	2.906	2.900	0.006	99	51479	125.0	27.1	
25 Carbon disulfide	76	3.003	3.003	0.000	100	61769	25.0	4.90	
28 Methyl acetate	43	3.210	3.204	0.006	100	131440	125.0	27.0	
30 Methylene Chloride	84	3.307	3.301	0.006	93	21011	25.0	3.74	
32 Methyl tert-butyl ether	73	3.538	3.533	0.005	97	68624	25.0	4.85	
33 trans-1,2-Dichloroethene	96	3.545	3.545	0.000	77	19671	25.0	4.75	
36 1,1-Dichloroethane	63	3.952	3.952	0.000	96	44300	25.0	5.05	
43 cis-1,2-Dichloroethene	96	4.506	4.500	0.006	86	21960	25.0	4.48	
44 2-Butanone (MEK)	43	4.530	4.530	0.000	98	75051	125.0	26.1	
50 Chloroform	83	4.810	4.810	0.000	94	33918	25.0	4.60	
51 1,1,1-Trichloroethane	97	4.950	4.944	0.006	96	31513	25.0	5.87	
52 Cyclohexane	56	4.974	4.974	0.000	59	51362	25.0	5.91	
53 Carbon tetrachloride	117	5.090	5.090	0.000	85	26847	25.0	5.95	
55 Benzene	78	5.297	5.297	0.000	96	83247	25.0	4.89	
57 1,2-Dichloroethane	62	5.345	5.345	0.000	95	31230	25.0	4.68	
60 Trichloroethene	95	5.911	5.905	0.006	94	26946	25.0	6.75	
62 Methylcyclohexane	83	6.051	6.051	0.000	93	39166	25.0	5.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	6.136	6.136	0.000	95	23076	25.0	4.95	
67 Dichlorobromomethane	83	6.422	6.416	0.006	98	24592	25.0	4.64	
71 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	93	28867	25.0	4.20	
72 4-Methyl-2-pentanone (MIBK	58	6.982	6.982	0.000	97	56748	125.0	23.5	
73 Toluene	92	7.140	7.146	-0.006	97	47650	25.0	4.36	
75 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	91	28076	25.0	4.36	
78 1,1,2-Trichloroethane	83	7.590	7.590	0.000	89	15246	25.0	4.96	
79 Tetrachloroethene	166	7.687	7.688	-0.001	96	297258	25.0	75.4	
82 2-Hexanone	43	7.827	7.822	0.005	97	102339	125.0	28.2	
83 Chlorodibromomethane	129	7.992	7.992	0.000	87	17823	25.0	4.63	
84 Ethylene Dibromide	107	8.101	8.101	0.000	94	16883	25.0	4.45	
85 Chlorobenzene	112	8.588	8.588	0.000	92	51245	25.0	4.59	
88 Ethylbenzene	91	8.691	8.685	0.006	98	90744	25.0	4.37	
90 m-Xylene & p-Xylene	106	8.813	8.807	0.006	0	34121		3.48	
91 o-Xylene	106	9.239	9.233	0.006	96	33970		4.08	
92 Styrene	104	9.263	9.263	0.000	96	54049	25.0	4.31	
93 Bromoform	173	9.494	9.494	0.000	95	9946	25.0	4.32	
95 Isopropylbenzene	105	9.622	9.616	0.006	95	86560	25.0	4.32	
98 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	90	20776	25.0	3.77	
110 1,3-Dichlorobenzene	146	10.869	10.869	0.000	93	35601	25.0	3.88	
113 1,4-Dichlorobenzene	146	10.954	10.955	-0.001	95	36220	25.0	3.97	
116 1,2-Dichlorobenzene	146	11.307	11.307	0.000	95	34487	25.0	3.94	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.025	0.000	74	4174	25.0	3.94	
119 1,2,4-Trichlorobenzene	180	12.713	12.713	-0.001	91	26541	25.0	4.47	
S 126 Xylenes, Total	1				0			7.57	

Reagents:

N_8260_Surr_00189	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00024	Amount Added:	1.00	Units: uL	Run Reagent

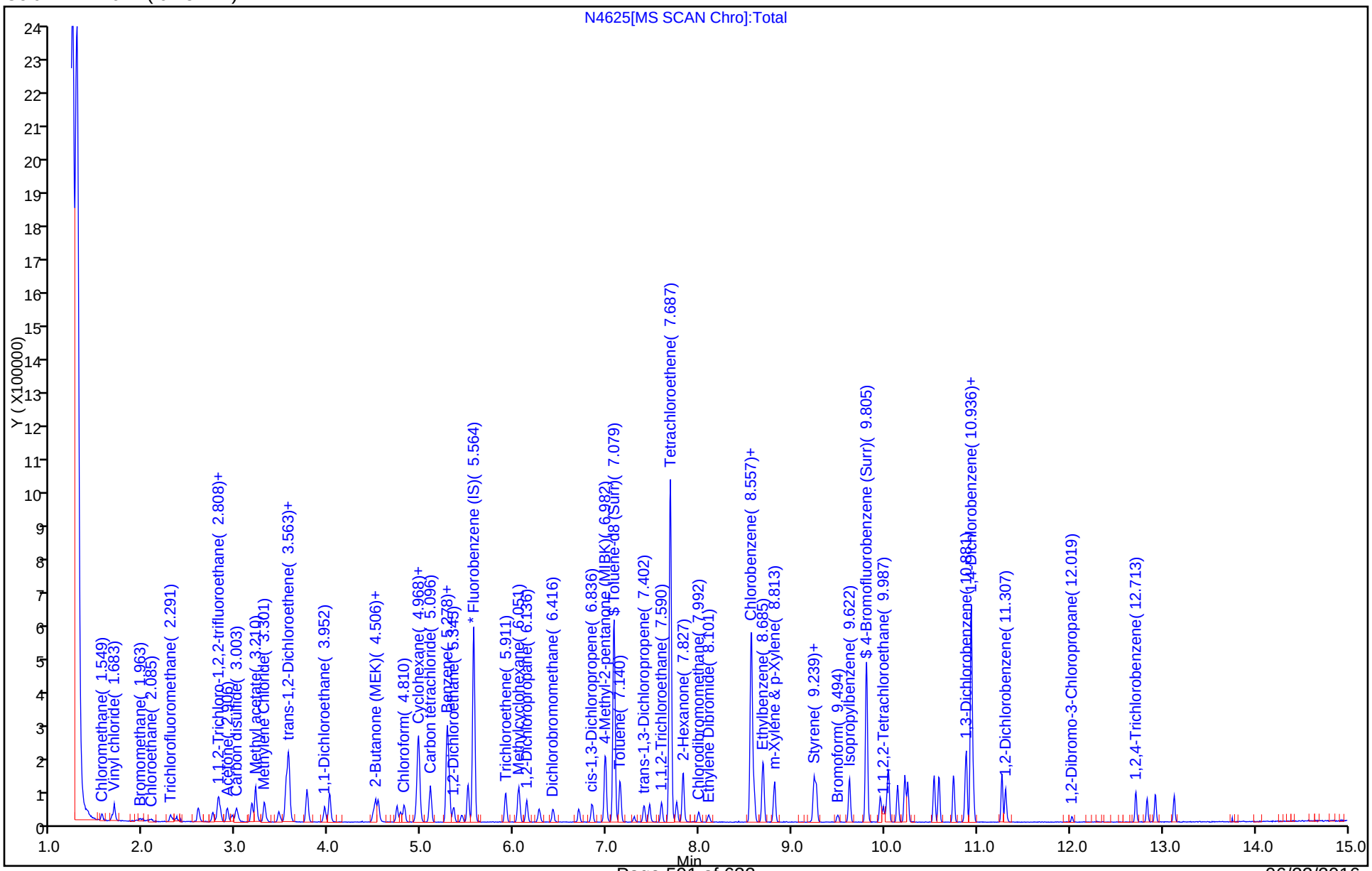
Report Date: 14-Jun-2016 21:07:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4625.D

Injection Date:	14-Jun-2016 20:44:30	Instrument ID:	HP5973N	Operator ID:	SO
Lims ID:	480-101358-A-5-D MSD			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	10.0000	ALS Bottle#:	51
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N4625.D
Lims ID: 480-101358-A-5-D MSD
Client ID:
Sample Type: MSD
Inject. Date: 14-Jun-2016 20:44:30 ALS Bottle#: 51 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 480-101358-A-5-D MSD
Misc. Info.: 480-0054021-026
Operator ID: SO Instrument ID: HP5973N

Method: \\ChromNA\Buffalo\ChromData\HP5973N\20160614-54021.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 19:06:12 Calib Date: 19-May-2016 01:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20160518-53328.b\N3492.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: fortaing Date: 14-Jun-2016 21:07:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	22.6	90.28
$ 6 Toluene-d8 (Surr)	25.0	22.1	88.30
$ 7 4-Bromofluorobenzene (Surr)	25.0	28.3	113.23

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S2 MSD | Lab Sample ID: 480-101358-10 MSD

Matrix: Solid | Lab File ID: F7138.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:15

Sample wt/vol: 5.2(g) | Date Analyzed: 06/13/2016 06:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	38.5		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	28.7		5.9	0.96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	37.5		5.9	1.4
79-00-5	1,1,2-Trichloroethane	31.0		5.9	0.77
75-34-3	1,1-Dichloroethane	37.4		5.9	0.72
75-35-4	1,1-Dichloroethene	35.4		5.9	0.73
120-82-1	1,2,4-Trichlorobenzene	7.34		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		5.9	3.0
106-93-4	1,2-Dibromoethane	25.4		5.9	0.76
95-50-1	1,2-Dichlorobenzene	20.4		5.9	0.46
107-06-2	1,2-Dichloroethane	33.3		5.9	0.30
78-87-5	1,2-Dichloropropane	34.2		5.9	3.0
541-73-1	1,3-Dichlorobenzene	17.7		5.9	0.30
106-46-7	1,4-Dichlorobenzene	17.0		5.9	0.83
78-93-3	2-Butanone (MEK)	169		30	2.2
591-78-6	2-Hexanone	126		30	3.0
108-10-1	4-Methyl-2-pentanone (MIBK)	149		30	1.9
67-64-1	Acetone	195		30	5.0
71-43-2	Benzene	35.1		5.9	0.29
75-27-4	Bromodichloromethane	34.5		5.9	0.79
75-25-2	Bromoform	25.1		5.9	3.0
74-83-9	Bromomethane	41.6		5.9	0.53
75-15-0	Carbon disulfide	32.6		5.9	3.0
56-23-5	Carbon tetrachloride	35.7		5.9	0.57
108-90-7	Chlorobenzene	26.5		5.9	0.78
75-00-3	Chloroethane	40.5		5.9	1.3
67-66-3	Chloroform	37.4		5.9	0.37
74-87-3	Chloromethane	44.2		5.9	0.36
156-59-2	cis-1,2-Dichloroethene	35.4		5.9	0.76
10061-01-5	cis-1,3-Dichloropropene	28.2		5.9	0.85
110-82-7	Cyclohexane	32.2		5.9	0.83
124-48-1	Dibromochloromethane	30.9		5.9	0.76
75-71-8	Dichlorodifluoromethane	44.4		5.9	0.49
100-41-4	Ethylbenzene	26.4		5.9	0.41
98-82-8	Isopropylbenzene	27.3		5.9	0.89

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B107-AREA2-S2 MSD | Lab Sample ID: 480-101358-10 MSD

Matrix: Solid | Lab File ID: F7138.D

Analysis Method: 8260C | Date Collected: 06/08/2016 10:15

Sample wt/vol: 5.2(g) | Date Analyzed: 06/13/2016 06:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 18.8 | Level: (low/med) Low

Analysis Batch No.: 306259 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	177		5.9	3.6
1634-04-4	Methyl tert-butyl ether	44.8		5.9	0.58
108-87-2	Methylcyclohexane	27.2		5.9	0.90
75-09-2	Methylene Chloride	46.3		5.9	2.7
100-42-5	Styrene	23.3		5.9	0.30
127-18-4	Tetrachloroethene	27.7		5.9	0.79
108-88-3	Toluene	30.8		5.9	0.45
156-60-5	trans-1,2-Dichloroethene	33.1		5.9	0.61
10061-02-6	trans-1,3-Dichloropropene	25.3		5.9	2.6
79-01-6	Trichloroethene	30.2		5.9	1.3
75-69-4	Trichlorofluoromethane	36.4		5.9	0.56
75-01-4	Vinyl chloride	37.5		5.9	0.72
1330-20-7	Xylenes, Total	53.9		12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	62	X	64-126
460-00-4	4-Bromofluorobenzene (Surr)	115		72-126
2037-26-5	Toluene-d8 (Surr)	83		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7138.D
Lims ID: 480-101358-A-10-C MSD
Client ID: B107-AREA2-S2
Sample Type: MSD
Inject. Date: 13-Jun-2016 06:08:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-10-C MSD
Misc. Info.: 480-0053971-022
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jun-2016 10:49:12 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: cwiklinc Date: 13-Jun-2016 10:50:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	241220	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	87	481063	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	400206	50.0	50.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	107341	50.0	30.8	
$ 5 Toluene-d8 (Surr)	98	6.648	6.647	0.001	93	863045	50.0	41.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	87	383317	50.0	57.3	
10 Dichlorodifluoromethane	85	1.854	1.853	0.001	98	282587	50.0	37.5	
12 Chloromethane	50	2.018	2.018	0.000	99	188039	50.0	37.3	
13 Vinyl chloride	62	2.121	2.127	-0.006	98	163383	50.0	31.6	
14 Bromomethane	94	2.407	2.401	0.006	91	137335	50.0	35.1	
15 Chloroethane	64	2.468	2.462	0.006	99	99555	50.0	34.2	
17 Trichlorofluoromethane	101	2.657	2.663	-0.006	99	298183	50.0	30.7	
21 1,1,2-Trichloro-1,2,2-trif	101	3.022	3.028	-0.006	93	194939	50.0	31.7	
22 1,1-Dichloroethene	96	3.052	3.052	0.000	99	177988	50.0	29.9	
23 Acetone	43	3.107	3.107	0.000	100	326378	250.0	164.5	
26 Carbon disulfide	76	3.259	3.259	0.000	99	596765	50.0	27.5	
27 Methyl acetate	43	3.320	3.320	0.000	95	599372	250.0	149.2	
30 Methylene Chloride	84	3.429	3.429	0.000	86	286095	50.0	39.1	
32 Methyl tert-butyl ether	73	3.575	3.575	0.000	93	808566	50.0	37.8	
34 trans-1,2-Dichloroethene	96	3.618	3.612	0.006	97	191814	50.0	27.9	
39 1,1-Dichloroethane	63	3.940	3.940	0.000	96	368396	50.0	31.6	
43 2-Butanone (MEK)	43	4.372	4.378	-0.006	96	377410	250.0	142.3	
45 cis-1,2-Dichloroethene	96	4.391	4.390	0.001	83	223561	50.0	29.9	
50 Chloroform	83	4.628	4.628	0.000	94	401937	50.0	31.6	
51 1,1,1-Trichloroethane	97	4.768	4.768	0.000	97	364493	50.0	32.5	
52 Cyclohexane	56	4.792	4.792	0.000	87	292506	50.0	27.2	
55 Carbon tetrachloride	117	4.895	4.895	0.000	97	287906	50.0	30.1	
57 Benzene	78	5.066	5.066	0.000	96	795226	50.0	29.6	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	98	275237	50.0	28.1	
62 Trichloroethene	95	5.583	5.583	0.000	97	183126	50.0	25.5	
64 Methylcyclohexane	83	5.723	5.723	0.000	87	289386	50.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63	5.802	5.802	0.000	92	174010	50.0	28.8	
68 Dichlorobromomethane	83	6.045	6.045	0.000	99	270997	50.0	29.1	
72 cis-1,3-Dichloropropene	75	6.422	6.422	0.000	96	274455	50.0	23.8	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.526	0.000	95	660015	250.0	125.5	
74 Toluene	92	6.714	6.714	0.000	99	433900	50.0	26.0	
77 trans-1,3-Dichloropropene	75	6.940	6.939	0.001	96	217248	50.0	21.4	
79 1,1,2-Trichloroethane	83	7.128	7.134	-0.006	93	123918	50.0	26.1	
81 Tetrachloroethene	166	7.232	7.231	0.001	98	168595	50.0	23.3	
80 2-Hexanone	43	7.311	7.310	0.001	94	423981	250.0	106.6	
83 Chlorodibromomethane	129	7.536	7.536	0.000	89	161102	50.0	26.1	
84 Ethylene Dibromide	107	7.664	7.663	0.001	100	124265	50.0	21.5	
87 Chlorobenzene	112	8.114	8.113	0.001	93	396550	50.0	22.4	
88 Ethylbenzene	91	8.181	8.180	0.001	98	693704	50.0	22.3	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	100	261096		21.5	
91 o-Xylene	106	8.728	8.728	0.000	97	280837		24.0	
92 Styrene	104	8.746	8.752	-0.006	93	393502	50.0	19.7	
95 Bromoform	173	9.020	9.020	0.000	95	80717	50.0	21.2	
94 Isopropylbenzene	105	9.099	9.099	0.000	96	637854	50.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	9.483	9.482	0.000	93	163490	50.0	24.3	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	97	208301	50.0	14.9	
113 1,4-Dichlorobenzene	146	10.462	10.468	-0.006	95	204170	50.0	14.4	
116 1,2-Dichlorobenzene	146	10.815	10.815	0.000	98	224250	50.0	17.2	
117 1,2-Dibromo-3-Chloropropan	75	11.496	11.496	0.000	84	22022	50.0	16.6	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	95	53694	50.0	6.20	
S 124 Xylenes, Total	1				0			45.5	

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00149	Amount Added:	1.00	Units: uL	Run Reagent

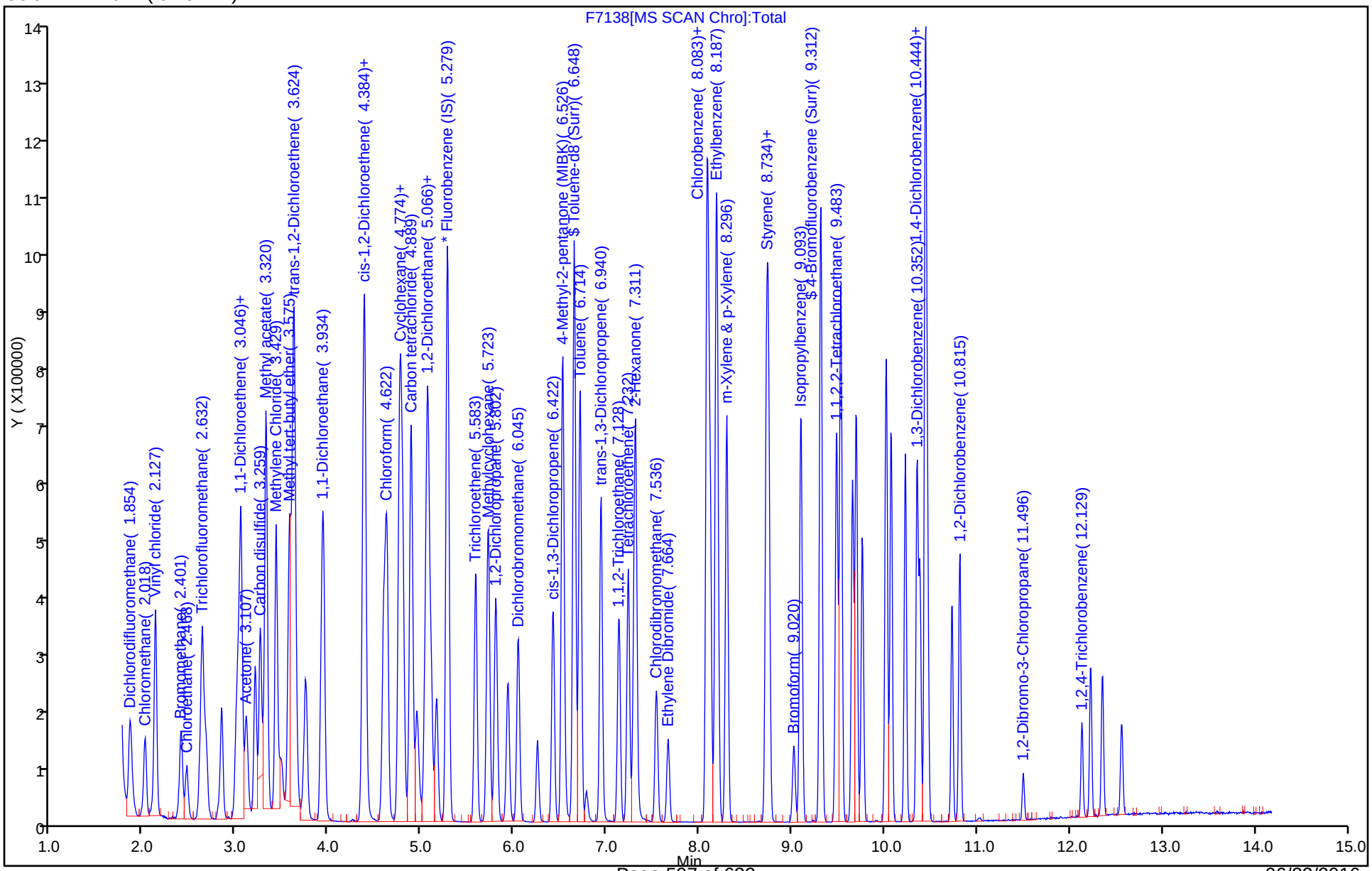
Report Date: 13-Jun-2016 10:50:57 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7138.D

Injection Date:	13-Jun-2016 06:08:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101358-A-10-C MSD			Worklist Smp#:	22
Client ID:	B107-AREA2-S2				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F7138.D				
Lims ID:	480-101358-A-10-C MSD				
Client ID:	B107-AREA2-S2				
Sample Type:	MSD				
Inject. Date:	13-Jun-2016 06:08:30	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101358-A-10-C MSD				
Misc. Info.:	480-0053971-022				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160612-53971.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	13-Jun-2016 10:49:12	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK032				

First Level Reviewer: cwiklinc Date: 13-Jun-2016 10:50:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	30.8	61.62
$ 5 Toluene-d8 (Surr)	50.0	41.5	82.99
$ 6 4-Bromofluorobenzene (Surr)	50.0	57.3	114.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S1 MSD | Lab Sample ID: 480-101358-12 MSD

Matrix: Solid | Lab File ID: F7195.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:30

Sample wt/vol: 5.06(g) | Date Analyzed: 06/14/2016 07:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	48.2		5.4	0.40
79-34-5	1,1,2,2-Tetrachloroethane	67.7		5.4	0.88
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	42.4		5.4	1.2
79-00-5	1,1,2-Trichloroethane	39.0		5.4	0.71
75-34-3	1,1-Dichloroethane	43.1		5.4	0.66
75-35-4	1,1-Dichloroethene	40.9		5.4	0.67
120-82-1	1,2,4-Trichlorobenzene	9.04		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	46.5		5.4	2.7
106-93-4	1,2-Dibromoethane	31.5		5.4	0.70
95-50-1	1,2-Dichlorobenzene	35.1		5.4	0.43
107-06-2	1,2-Dichloroethane	42.2		5.4	0.27
78-87-5	1,2-Dichloropropane	36.4		5.4	2.7
541-73-1	1,3-Dichlorobenzene	30.7		5.4	0.28
106-46-7	1,4-Dichlorobenzene	27.8		5.4	0.76
78-93-3	2-Butanone (MEK)	173		27	2.0
591-78-6	2-Hexanone	144		27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	181		27	1.8
67-64-1	Acetone	220		27	4.6
71-43-2	Benzene	39.6		5.4	0.27
75-27-4	Bromodichloromethane	42.1		5.4	0.73
75-25-2	Bromoform	30.2		5.4	2.7
74-83-9	Bromomethane	42.9		5.4	0.49
75-15-0	Carbon disulfide	36.7		5.4	2.7
56-23-5	Carbon tetrachloride	46.4		5.4	0.53
108-90-7	Chlorobenzene	31.9		5.4	0.72
75-00-3	Chloroethane	38.8		5.4	1.2
67-66-3	Chloroform	45.4		5.4	0.34
74-87-3	Chloromethane	40.4		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	39.7		5.4	0.70
10061-01-5	cis-1,3-Dichloropropene	31.0		5.4	0.78
110-82-7	Cyclohexane	33.9		5.4	0.76
124-48-1	Dibromochloromethane	40.4		5.4	0.70
75-71-8	Dichlorodifluoromethane	49.9		5.4	0.45
100-41-4	Ethylbenzene	31.5		5.4	0.38
98-82-8	Isopropylbenzene	62.7		5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-101358-1

SDG No.:

Client Sample ID: B108-AREA2-S1 MSD | Lab Sample ID: 480-101358-12 MSD

Matrix: Solid | Lab File ID: F7195.D

Analysis Method: 8260C | Date Collected: 06/08/2016 09:30

Sample wt/vol: 5.06(g) | Date Analyzed: 06/14/2016 07:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.25(mm)

% Moisture: 9.2 | Level: (low/med) Low

Analysis Batch No.: 306490 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	184		5.4	3.3
1634-04-4	Methyl tert-butyl ether	48.8		5.4	0.53
108-87-2	Methylcyclohexane	29.6		5.4	0.83
75-09-2	Methylene Chloride	58.7		5.4	2.5
100-42-5	Styrene	24.8		5.4	0.27
127-18-4	Tetrachloroethene	36.8		5.4	0.73
108-88-3	Toluene	38.9		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	37.9		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	30.4		5.4	2.4
79-01-6	Trichloroethene	35.9		5.4	1.2
75-69-4	Trichlorofluoromethane	47.4		5.4	0.51
75-01-4	Vinyl chloride	36.7		5.4	0.66
1330-20-7	Xylenes, Total	62.5		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		64-126
460-00-4	4-Bromofluorobenzene (Surr)	72		72-126
2037-26-5	Toluene-d8 (Surr)	107		71-125

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7195.D
Lims ID: 480-101358-A-12-F MSD
Client ID: B108-AREA2-S1
Sample Type: MSD
Inject. Date: 14-Jun-2016 07:53:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-101358-A-12-F MSD
Misc. Info.: 480-0054007-023
Operator ID: NMD Instrument ID: HP5973F

Method: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Jun-2016 10:11:32 Calib Date: 08-Jun-2016 19:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:15:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
* 153 Fluorobenzene (IS)	70	5.279	5.279	0.000	98	164822	50.0	50.0	
* 2 Chlorobenzene-d5	82	8.083	8.083	0.000	89	289425	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.444	10.444	0.000	95	123889	50.0	50.0	s
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.041	5.041	0.000	0	112646	50.0	47.3	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	93	668457	50.0	53.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.312	9.312	0.000	86	144966	50.0	36.0	
10 Dichlorodifluoromethane	85	1.854	1.848	0.006	99	236487	50.0	45.9	
12 Chloromethane	50	2.018	2.012	0.006	98	127999	50.0	37.1	
13 Vinyl chloride	62	2.127	2.115	0.012	97	119095	50.0	33.8	
14 Bromomethane	94	2.407	2.395	0.012	94	105525	50.0	39.5	
15 Chloroethane	64	2.462	2.462	0.000	98	70917	50.0	35.7	
17 Trichlorofluoromethane	101	2.657	2.645	0.012	99	288924	50.0	43.5	
21 1,1,2-Trichloro-1,2,2-trif	101	3.034	3.022	0.012	94	163967	50.0	39.0	
22 1,1-Dichloroethene	96	3.058	3.046	0.012	98	152897	50.0	37.6	
23 Acetone	43	3.113	3.101	0.012	98	272729	250.0	202.2	
26 Carbon disulfide	76	3.259	3.253	0.006	99	499819	50.0	33.7	
27 Methyl acetate	43	3.320	3.314	0.006	94	464658	250.0	169.3	
30 Methylene Chloride	84	3.429	3.429	0.000	86	263165	50.0	54.0	
32 Methyl tert-butyl ether	73	3.575	3.569	0.006	93	654931	50.0	44.8	
34 trans-1,2-Dichloroethene	96	3.618	3.612	0.006	99	163168	50.0	34.8	
39 1,1-Dichloroethane	63	3.946	3.934	0.012	97	315868	50.0	39.6	
43 2-Butanone (MEK)	43	4.378	4.378	0.000	98	288209	250.0	159.1	
45 cis-1,2-Dichloroethene	96	4.390	4.384	0.006	91	186850	50.0	36.5	
50 Chloroform	83	4.628	4.622	0.006	94	362793	50.0	41.7	
51 1,1,1-Trichloroethane	97	4.774	4.768	0.006	97	339607	50.0	44.3	
52 Cyclohexane	56	4.798	4.792	0.006	88	228840	50.0	31.1	
55 Carbon tetrachloride	117	4.895	4.889	0.006	98	278802	50.0	42.7	
57 Benzene	78	5.066	5.066	0.000	96	668567	50.0	36.4	
58 1,2-Dichloroethane	62	5.102	5.102	0.000	96	259441	50.0	38.7	
62 Trichloroethene	95	5.583	5.583	0.000	96	161736	50.0	33.0	
64 Methylcyclohexane	83	5.717	5.723	-0.006	87	234605	50.0	27.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/kg	OnCol Amt ug/kg	Flags
65 1,2-Dichloropropane	63	5.802	5.802	0.000	87	138010	50.0	33.5	
68 Dichlorobromomethane	83	6.045	6.039	0.006	99	246056	50.0	38.7	
72 cis-1,3-Dichloropropene	75	6.422	6.416	0.006	95	224066	50.0	28.5	
73 4-Methyl-2-pentanone (MIBK	43	6.526	6.520	0.006	93	525496	250.0	166.1	
74 Toluene	92	6.714	6.714	0.000	98	358371	50.0	35.7	
77 trans-1,3-Dichloropropene	75	6.939	6.933	0.006	96	170896	50.0	27.9	
79 1,1,2-Trichloroethane	83	7.134	7.134	0.000	94	102268	50.0	35.9	
81 Tetrachloroethene	166	7.231	7.232	-0.001	95	146742	50.0	33.8	
80 2-Hexanone	43	7.310	7.311	-0.001	94	315609	250.0	131.9	
83 Chlorodibromomethane	129	7.536	7.536	0.000	90	138162	50.0	37.2	
84 Ethylene Dibromide	107	7.663	7.664	-0.001	96	100855	50.0	29.0	
87 Chlorobenzene	112	8.114	8.114	0.000	92	312612	50.0	29.3	
88 Ethylbenzene	91	8.180	8.181	-0.001	99	542761	50.0	29.0	
90 m-Xylene & p-Xylene	106	8.296	8.296	0.000	99	195600		26.8	
91 o-Xylene	106	8.728	8.728	0.000	98	215815		30.6	
92 Styrene	104	8.752	8.746	0.006	93	273685	50.0	22.8	
95 Bromoform	173	9.020	9.020	0.000	94	63690	50.0	27.8	
94 Isopropylbenzene	105	9.099	9.093	0.006	96	494047	50.0	57.6	
97 1,1,2,2-Tetrachloroethane	83	9.482	9.483	0.000	91	129821	50.0	62.2	
111 1,3-Dichlorobenzene	146	10.383	10.383	0.000	96	121578	50.0	28.2	
113 1,4-Dichlorobenzene	146	10.462	10.462	0.000	92	112262	50.0	25.5	
116 1,2-Dichlorobenzene	146	10.809	10.815	-0.006	96	130101	50.0	32.3	
117 1,2-Dibromo-3-Chloropropan	75	11.490	11.496	-0.006	80	17555	50.0	42.8	
119 1,2,4-Trichlorobenzene	180	12.129	12.129	0.000	93	22275	50.0	8.31	
S 124 Xylenes, Total	1				0			57.4	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

F 8260 IS_00455	Amount Added:	1.00	Units: uL	Run Reagent
F 8260 SURR_00150	Amount Added:	1.00	Units: uL	Run Reagent

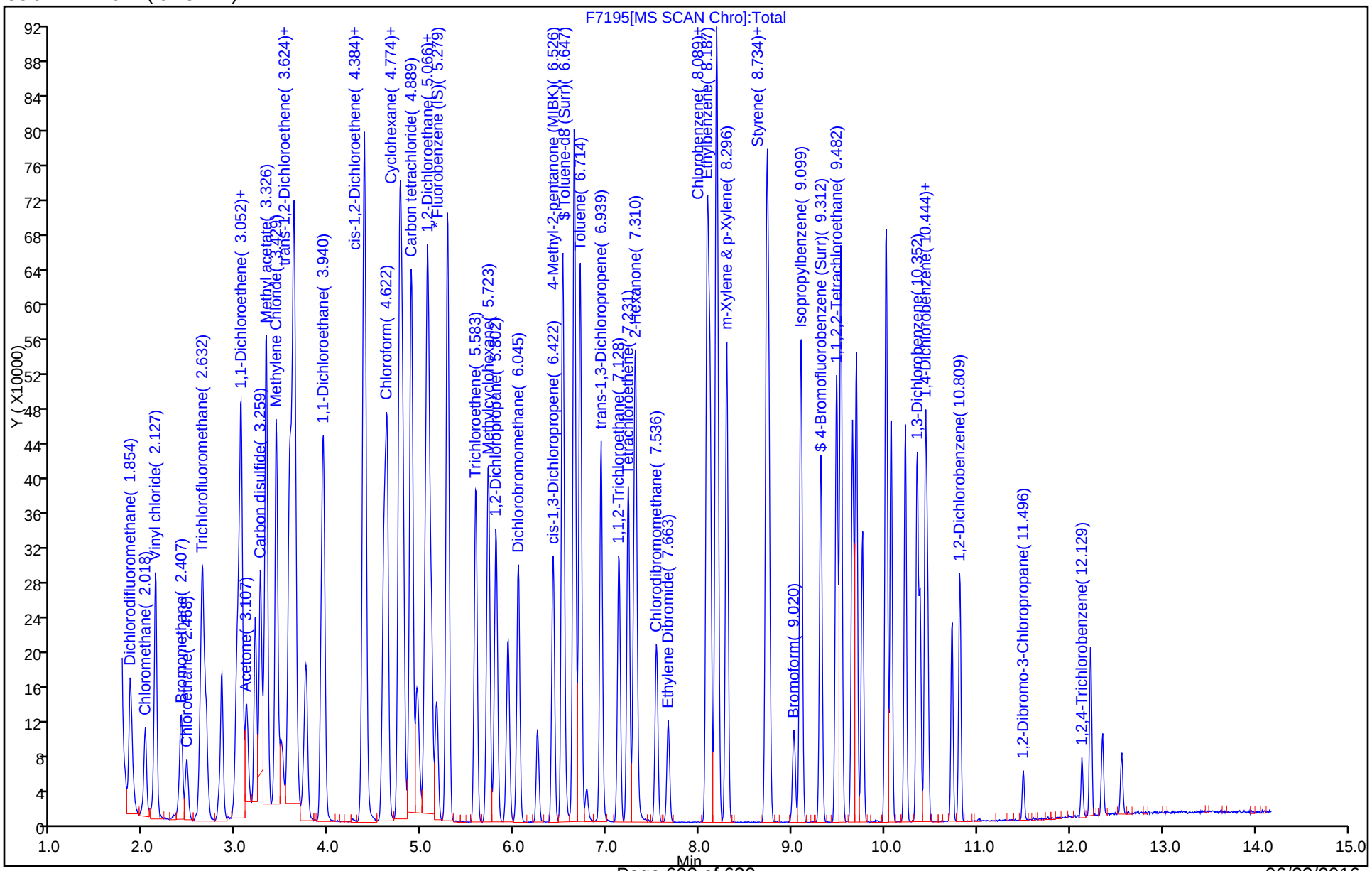
Report Date: 14-Jun-2016 10:15:14 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7195.D

Injection Date:	14-Jun-2016 07:53:30	Instrument ID:	HP5973F	Operator ID:	NMD
Lims ID:	480-101358-A-12-F MSD			Worklist Smp#:	23
Client ID:	B108-AREA2-S1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	F-8260 SOIL	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F7195.D				
Lims ID:	480-101358-A-12-F MSD				
Client ID:	B108-AREA2-S1				
Sample Type:	MSD				
Inject. Date:	14-Jun-2016 07:53:30	ALS Bottle#:	23	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-101358-A-12-F MSD				
Misc. Info.:	480-0054007-023				
Operator ID:	NMD	Instrument ID:	HP5973F		
Method:	\\ChromNA\Buffalo\ChromData\HP5973F\20160613-54007.b\F-8260 SOIL.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	14-Jun-2016 10:11:32	Calib Date:	08-Jun-2016 19:06:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973F\20160608-53862.b\F7036.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK005				

First Level Reviewer: cwiklinc Date: 14-Jun-2016 10:15:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 1,2-Dichloroethane-d4 (Surr)	50.0	47.3	94.63
$ 5 Toluene-d8 (Surr)	50.0	53.4	106.84
$ 6 4-Bromofluorobenzene (Surr)	50.0	36.0	72.00

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973N Start Date: 05/18/2016 16:10

Analysis Batch Number: 302462 End Date: 05/19/2016 05:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-302462/2		05/18/2016 16:10	1	N3472.D	ZB-624 (20) 0.18(mm)
IC 480-302462/4		05/18/2016 17:04	1	N3474.D	ZB-624 (20) 0.18(mm)
IC 480-302462/5		05/18/2016 17:31	1	N3475.D	ZB-624 (20) 0.18(mm)
IC 480-302462/6		05/18/2016 17:58	1	N3476.D	ZB-624 (20) 0.18(mm)
IC 480-302462/7		05/18/2016 18:25	1	N3477.D	ZB-624 (20) 0.18(mm)
IC 480-302462/8		05/18/2016 18:51	1	N3478.D	ZB-624 (20) 0.18(mm)
ICIS 480-302462/9		05/18/2016 19:18	1	N3479.D	ZB-624 (20) 0.18(mm)
IC 480-302462/10		05/18/2016 19:45	1	N3480.D	ZB-624 (20) 0.18(mm)
IC 480-302462/11		05/18/2016 20:11	1	N3481.D	ZB-624 (20) 0.18(mm)
MDLV 480-302462/13		05/18/2016 21:05	1		ZB-624 (20) 0.18(mm)
MDLV 480-302462/14		05/18/2016 21:32	1		ZB-624 (20) 0.18(mm)
IC 480-302462/16		05/18/2016 22:25	1		ZB-624 (20) 0.18(mm)
IC 480-302462/17		05/18/2016 22:51	1		ZB-624 (20) 0.18(mm)
IC 480-302462/18		05/18/2016 23:18	1		ZB-624 (20) 0.18(mm)
IC 480-302462/19		05/18/2016 23:45	1		ZB-624 (20) 0.18(mm)
IC 480-302462/20		05/19/2016 00:12	1		ZB-624 (20) 0.18(mm)
IC 480-302462/21		05/19/2016 00:39	1		ZB-624 (20) 0.18(mm)
IC 480-302462/22		05/19/2016 01:06	1		ZB-624 (20) 0.18(mm)
MDLV 480-302462/24		05/19/2016 01:59	1		ZB-624 (20) 0.18(mm)
ICV 480-302462/25		05/19/2016 02:26	1		ZB-624 (20) 0.18(mm)
ICV 480-302462/26		05/19/2016 02:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 03:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 04:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 04:40	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/19/2016 05:07	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973C Start Date: 05/25/2016 12:48

Analysis Batch Number: 303600 End Date: 05/25/2016 18:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-303600/3		05/25/2016 12:48	1	C4215.D	ZB-624 (60) 0.25(mm)
IC 480-303600/5		05/25/2016 13:46	1	C4217.D	ZB-624 (60) 0.25(mm)
IC 480-303600/6		05/25/2016 14:11	1	C4218.D	ZB-624 (60) 0.25(mm)
IC 480-303600/7		05/25/2016 14:37	1	C4219.D	ZB-624 (60) 0.25(mm)
IC 480-303600/8		05/25/2016 15:02	1	C4220.D	ZB-624 (60) 0.25(mm)
IC 480-303600/9		05/25/2016 15:27	1	C4221.D	ZB-624 (60) 0.25(mm)
ICIS 480-303600/10		05/25/2016 15:52	1	C4222.D	ZB-624 (60) 0.25(mm)
IC 480-303600/11		05/25/2016 16:18	1	C4223.D	ZB-624 (60) 0.25(mm)
IC 480-303600/12		05/25/2016 16:43	1	C4224.D	ZB-624 (60) 0.25(mm)
MDLV 480-303600/14		05/25/2016 17:33	1		ZB-624 (60) 0.25(mm)
ICV 480-303600/26		05/25/2016 18:24	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973F Start Date: 06/08/2016 12:11

Analysis Batch Number: 305628 End Date: 06/08/2016 21:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-305628/3		06/08/2016 12:11	1	F7020.D	ZB-624 (30) 0.25(mm)
IC 480-305628/5		06/08/2016 13:08	1	F7022.D	ZB-624 (30) 0.25(mm)
IC 480-305628/6		06/08/2016 13:34	1	F7023.D	ZB-624 (30) 0.25(mm)
IC 480-305628/7		06/08/2016 13:59	1	F7024.D	ZB-624 (30) 0.25(mm)
IC 480-305628/8		06/08/2016 14:25	1	F7025.D	ZB-624 (30) 0.25(mm)
ICIS 480-305628/9		06/08/2016 14:51	1	F7026.D	ZB-624 (30) 0.25(mm)
IC 480-305628/10		06/08/2016 15:17	1	F7027.D	ZB-624 (30) 0.25(mm)
IC 480-305628/11		06/08/2016 15:42	1	F7028.D	ZB-624 (30) 0.25(mm)
IC 480-305628/13		06/08/2016 16:33	1		ZB-624 (30) 0.25(mm)
IC 480-305628/14		06/08/2016 16:58	1		ZB-624 (30) 0.25(mm)
IC 480-305628/15		06/08/2016 17:23	1		ZB-624 (30) 0.25(mm)
IC 480-305628/16		06/08/2016 17:49	1		ZB-624 (30) 0.25(mm)
IC 480-305628/17		06/08/2016 18:14	1		ZB-624 (30) 0.25(mm)
IC 480-305628/18		06/08/2016 18:40	1		ZB-624 (30) 0.25(mm)
IC 480-305628/19		06/08/2016 19:06	1		ZB-624 (30) 0.25(mm)
MDLV 480-305628/21		06/08/2016 19:57	1		ZB-624 (30) 0.25(mm)
MDLV 480-305628/22		06/08/2016 20:23	1		ZB-624 (30) 0.25(mm)
ICV 480-305628/23		06/08/2016 20:49	1		ZB-624 (30) 0.25(mm)
ICV 480-305628/24		06/08/2016 21:14	1		ZB-624 (30) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973F Start Date: 06/12/2016 21:42

Analysis Batch Number: 306259 End Date: 06/13/2016 09:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306259/3		06/12/2016 21:42	1	F7119.D	ZB-624 (30) 0.25(mm)
CCVIS 480-306259/4		06/12/2016 22:08	1	F7120.D	ZB-624 (30) 0.25(mm)
CCV 480-306259/5		06/12/2016 22:34	1		ZB-624 (30) 0.25(mm)
LCS 480-306261/1-A		06/12/2016 23:08	1	F7122.D	ZB-624 (30) 0.25(mm)
MB 480-306261/2-A		06/12/2016 23:59	1	F7124.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 00:35	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 01:01	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 01:27	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 01:52	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 02:18	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 02:44	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 03:10	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 03:35	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 04:01	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 04:26	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 04:52	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 05:17	1		ZB-624 (30) 0.25(mm)
480-101358-10 MS		06/13/2016 05:43	1	F7137.D	ZB-624 (30) 0.25(mm)
480-101358-10 MSD		06/13/2016 06:08	1	F7138.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 06:34	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 07:26	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 07:51	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 08:16	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 08:42	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 09:07	1		ZB-624 (30) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973F Start Date: 06/13/2016 10:29

Analysis Batch Number: 306374 End Date: 06/13/2016 21:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306374/2		06/13/2016 10:29	1	F7147.D	ZB-624 (30) 0.25(mm)
CCVIS 480-306374/3		06/13/2016 10:56	1	F7148.D	ZB-624 (30) 0.25(mm)
CCV 480-306374/4		06/13/2016 11:35	1		ZB-624 (30) 0.25(mm)
LCS 480-306409/1-A		06/13/2016 12:01	1	F7150.D	ZB-624 (30) 0.25(mm)
MB 480-306409/2-A		06/13/2016 12:51	1	F7152.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 13:26	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 13:52	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 14:17	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 14:43	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 15:09	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 15:34	1		ZB-624 (30) 0.25(mm)
480-101358-3		06/13/2016 16:00	1	F7159.D	ZB-624 (30) 0.25(mm)
480-101358-4		06/13/2016 16:25	1	F7160.D	ZB-624 (30) 0.25(mm)
480-101358-6		06/13/2016 16:51	1	F7161.D	ZB-624 (30) 0.25(mm)
480-101358-7		06/13/2016 17:16	1	F7162.D	ZB-624 (30) 0.25(mm)
480-101358-10		06/13/2016 17:42	1	F7163.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 18:08	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 18:34	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 18:59	1		ZB-624 (30) 0.25(mm)
480-101358-12		06/13/2016 19:25	1	F7167.D	ZB-624 (30) 0.25(mm)
480-101358-13		06/13/2016 19:50	1	F7168.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 20:16	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 20:42	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 21:07	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/13/2016 21:33	1		ZB-624 (30) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973N Start Date: 06/13/2016 22:19

Analysis Batch Number: 306479 End Date: 06/14/2016 08:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306479/2		06/13/2016 22:19	1	N4575.D	ZB-624 (20) 0.18(mm)
CCVIS 480-306479/3		06/13/2016 22:43	1	N4576.D	ZB-624 (20) 0.18(mm)
CCV 480-306479/4		06/13/2016 23:10	1		ZB-624 (20) 0.18(mm)
LCS 480-306454/1-A		06/13/2016 23:37	1	N4578.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 00:04	1		ZB-624 (20) 0.18(mm)
RL 480-306479/6		06/14/2016 00:31	1		ZB-624 (20) 0.18(mm)
MB 480-306454/2-A		06/14/2016 00:57	1	N4581.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 01:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 01:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 02:18	1		ZB-624 (20) 0.18(mm)
480-101358-5		06/14/2016 02:45	1	N4585.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 03:11	100		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 03:38	100		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 04:05	100		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 04:32	100		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 05:25	20		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 05:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 06:19	100		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 06:46	1000		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 07:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 07:40	1000		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 08:07	1000		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973F Start Date: 06/13/2016 22:11

Analysis Batch Number: 306490 End Date: 06/14/2016 08:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306490/2		06/13/2016 22:11	1	F7174.D	ZB-624 (30) 0.25(mm)
CCVIS 480-306490/3		06/13/2016 22:44	1	F7175.D	ZB-624 (30) 0.25(mm)
CCV 480-306490/4		06/13/2016 23:10	1		ZB-624 (30) 0.25(mm)
LCS 480-306491/1-A		06/14/2016 00:08	1	F7177.D	ZB-624 (30) 0.25(mm)
MB 480-306491/2-A		06/14/2016 01:00	1	F7179.D	ZB-624 (30) 0.25(mm)
480-101358-8		06/14/2016 01:30	1	F7180.D	ZB-624 (30) 0.25(mm)
480-101358-9		06/14/2016 01:55	1	F7181.D	ZB-624 (30) 0.25(mm)
480-101358-11		06/14/2016 02:21	1	F7182.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 02:46	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 03:12	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 03:38	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 04:04	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 04:30	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 04:56	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 05:21	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 05:47	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 06:12	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 06:38	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 07:04	1		ZB-624 (30) 0.25(mm)
480-101358-12 MS		06/14/2016 07:28	1	F7194.D	ZB-624 (30) 0.25(mm)
480-101358-12 MSD		06/14/2016 07:53	1	F7195.D	ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 08:19	1		ZB-624 (30) 0.25(mm)
ZZZZZ		06/14/2016 08:45	1		ZB-624 (30) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973N Start Date: 06/14/2016 09:32

Analysis Batch Number: 306573 End Date: 06/14/2016 20:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306573/1		06/14/2016 09:32	1	N4600.D	ZB-624 (20) 0.18(mm)
CCVIS 480-306573/2		06/14/2016 09:58	1	N4601.D	ZB-624 (20) 0.18(mm)
CCV 480-306573/3		06/14/2016 10:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 10:51	1		ZB-624 (20) 0.18(mm)
RL 480-306573/5		06/14/2016 11:18	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 11:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 12:17	10		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 12:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 13:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 13:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 14:03	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 14:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 14:56	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 15:23	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 15:50	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 16:17	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 16:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 17:10	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 17:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 18:04	1		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 18:30	1		ZB-624 (20) 0.18(mm)
480-101358-5 DL		06/14/2016 18:57	10	N4621.D	ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 19:24	10		ZB-624 (20) 0.18(mm)
ZZZZZ		06/14/2016 19:51	20		ZB-624 (20) 0.18(mm)
480-101358-5 MS		06/14/2016 20:18	10	N4624.D	ZB-624 (20) 0.18(mm)
480-101358-5 MSD		06/14/2016 20:44	10	N4625.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: HP5973C Start Date: 06/15/2016 09:17

Analysis Batch Number: 306748 End Date: 06/15/2016 21:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-306748/2		06/15/2016 09:17	1	C5108.D	ZB-624 (60) 0.25(mm)
CCVIS 480-306748/3		06/15/2016 09:47	1	C5109.D	ZB-624 (60) 0.25(mm)
CCV 480-306748/4		06/15/2016 10:13	1		ZB-624 (60) 0.25(mm)
LCS 480-306748/5		06/15/2016 10:38	1	C5111.D	ZB-624 (60) 0.25(mm)
MB 480-306748/7		06/15/2016 11:29	1	C5113.D	ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 12:10	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 12:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 13:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 13:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 14:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 14:44	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 15:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 15:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 16:00	1		ZB-624 (60) 0.25(mm)
480-101358-1		06/15/2016 16:26	1	C5123.D	ZB-624 (60) 0.25(mm)
480-101358-2		06/15/2016 17:53	1	C5124.D	ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 18:23	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 18:48	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 19:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 19:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 20:10	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 20:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		06/15/2016 21:07	40		ZB-624 (60) 0.25(mm)

GC/MS VOA Worksheet

Batch Number: 480-306748
Method: 8260C
Analyst: Youngman, Shawna M

Date Open: Jun 15 2016 9:17AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00053	3MTP_WRK_00055
BFB~480-306748/2		8260C			1 uL	1 uL	HP5973C		
CCVIS~480-306748/3		8260C			5 mL	5 mL	HP5973C		
CCV~480-306748/4		8260C			5 mL	5 mL	HP5973C	12.5 uL	12.5 uL
LCS~480-306748/5		8260C			5 mL	5 mL	HP5973C		
MB~480-306748/7		8260C			5 mL	5 mL	HP5973C		
480-101358-A-1	SB-RINSEBLANK4	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101358-A-2	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101366-F-1	MW-90-7C	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101366-F-2	MW-90-11C	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-6	GM-8	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-7	GM-9	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-8	GM-10	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-9	GM-14	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-10	GM-15	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-11	GM-18R	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-12	GM-20	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-C-13	GM-21	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101370-A-16	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101420-A-1	MW-6S	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101420-A-2	MW-7S	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101420-A-3	FD-20160609	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101420-A-4	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-101400-O-1	T1	8260C	T	7 SU	5 mL	5 mL	HP5973C		

GC/MS VOA Worksheet

Batch Number: 480-306748
Method: 8260C
Analyst: Youngman, Shawna M

Date Open: Jun 15 2016 9:17AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00075	ADD CORP mix_00048	BFB_WRK_00054	C_8260_IS_00076	C_8260_Surr_00082	GAS CORP mix_00160
BFB~480-306748/2		8260C				1 uL			
CCVIS~480-306748/3		8260C		12.5 uL			1 uL	1 uL	12.5 uL
CCV~480-306748/4		8260C			12.5 uL		1 uL	1 uL	
LCS~480-306748/5		8260C		12.5 uL			1 uL	1 uL	12.5 uL
MB~480-306748/7		8260C					1 uL	1 uL	
480-101358-A-1	SB-RINSEBLANK4	8260C	T				1 uL	1 uL	
480-101358-A-2	TRIP BLANK	8260C	T				1 uL	1 uL	
480-101366-F-1	MW-90-7C	8260C	T				1 uL	1 uL	
480-101366-F-2	MW-90-11C	8260C	T				1 uL	1 uL	
480-101370-C-6	GM-8	8260C	T				1 uL	1 uL	
480-101370-C-7	GM-9	8260C	T				1 uL	1 uL	
480-101370-C-8	GM-10	8260C	T				1 uL	1 uL	
480-101370-C-9	GM-14	8260C	T				1 uL	1 uL	
480-101370-C-10	GM-15	8260C	T				1 uL	1 uL	
480-101370-C-11	GM-18R	8260C	T				1 uL	1 uL	
480-101370-C-12	GM-20	8260C	T				1 uL	1 uL	
480-101370-C-13	GM-21	8260C	T				1 uL	1 uL	
480-101370-A-16	TRIP BLANK	8260C	T				1 uL	1 uL	
480-101420-A-1	MW-6S	8260C	T				1 uL	1 uL	
480-101420-A-2	MW-7S	8260C	T				1 uL	1 uL	
480-101420-A-3	FD-20160609	8260C	T				1 uL	1 uL	
480-101420-A-4	TRIP BLANK	8260C	T				1 uL	1 uL	
480-101400-O-1	T1	8260C	T				1 uL	1 uL	

GC/MS VOA Worksheet

Batch Number: 480-306748
Method: 8260C
Analyst: Youngman, Shawna M

Date Open: Jun 15 2016 9:17AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
BFB~480-306748/2		8260C		
CCVIS~480-306748/3		8260C		
CCV~480-306748/4		8260C		
LCS~480-306748/5		8260C		
MB~480-306748/7		8260C		
480-101358-A-1	SB-RINSEBLANK4	8260C	T	
480-101358-A-2	TRIP BLANK	8260C	T	
480-101366-F-1	MW-90-7C	8260C	T	
480-101366-F-2	MW-90-11C	8260C	T	
480-101370-C-6	GM-8	8260C	T	
480-101370-C-7	GM-9	8260C	T	
480-101370-C-8	GM-10	8260C	T	
480-101370-C-9	GM-14	8260C	T	
480-101370-C-10	GM-15	8260C	T	
480-101370-C-11	GM-18R	8260C	T	
480-101370-C-12	GM-20	8260C	T	
480-101370-C-13	GM-21	8260C	T	
480-101370-A-16	TRIP BLANK	8260C	T	
480-101420-A-1	MW-6S	8260C	T	
480-101420-A-2	MW-7S	8260C	T	
480-101420-A-3	FD-20160609	8260C	T	
480-101420-A-4	TRIP BLANK	8260C	T	
480-101400-O-1	T1	8260C	T	MS/MSD ran out of clock.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Batch Number: 306261 Batch Start Date: 06/12/16 22:34 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00075	GAS CORP mix 00160
LCS 480-306261/1		5035, 8260C		24.82 g	29.81 g	4.99 g	5 mL	2.5 uL	2.5 uL
MB 480-306261/2		5035, 8260C		25.45 g	30.67 g	5.22 g	5 mL		
480-101358-A-10 MS	B107-AREA2-S2	5035, 8260C	T	25.26 g	30.31 g	5.05 g	5 mL	2.5 uL	2.5 uL
480-101358-A-10 MSD	B107-AREA2-S2	5035, 8260C	T	25.46 g	30.66 g	5.2 g	5 mL	2.5 uL	2.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-306261/1		5035, 8260C							
MB 480-306261/2		5035, 8260C							
480-101358-A-10 MS	B107-AREA2-S2	5035, 8260C	T	bulk, client assigned					
480-101358-A-10 MSD	B107-AREA2-S2	5035, 8260C	T	bulk, client assigned					

Batch Notes	
Balance ID	B202613314
Batch Comment	XH27A

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Batch Number: 306409 Batch Start Date: 06/13/16 11:00 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00075	GAS CORP mix 00160
LCS 480-306409/1		5035, 8260C		24.70 g	29.88 g	5.18 g	5 mL	2.5 uL	2.5 uL
MB 480-306409/2		5035, 8260C		25.10 g	30.19 g	5.09 g	5 mL		
480-101358-A-12	B108-AREA2-S1	5035, 8260C	T	25.00 g	30.05 g	5.05 g	5 mL		
480-101358-A-3	B104-AREA2-S1	5035, 8260C	T	25.01 g	30.17 g	5.16 g	5 mL		
480-101358-A-4	B104-AREA2-S2	5035, 8260C	T	25.29 g	30.29 g	5 g	5 mL		
480-101358-A-6	B105-AREA2-S2	5035, 8260C	T	25.05 g	30.06 g	5.01 g	5 mL		
480-101358-A-7	B106-AREA2-S1	5035, 8260C	T	25.33 g	30.36 g	5.03 g	5 mL		
480-101358-A-10	B107-AREA2-S2	5035, 8260C	T	25.30 g	30.30 g	5 g	5 mL		
480-101358-A-13	B108-AREA2-S2	5035, 8260C	T	25.31 g	30.33 g	5.02 g	5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-306409/1		5035, 8260C							
MB 480-306409/2		5035, 8260C							
480-101358-A-12	B108-AREA2-S1	5035, 8260C	T	bulk					
480-101358-A-3	B104-AREA2-S1	5035, 8260C	T	bulk confirm IS out					
480-101358-A-4	B104-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS out					
480-101358-A-6	B105-AREA2-S2	5035, 8260C	T	bulk confirm IS/SS out					
480-101358-A-7	B106-AREA2-S1	5035, 8260C	T	bulk confirm IS out					
480-101358-A-10	B107-AREA2-S2	5035, 8260C	T	bulk confirm IS out					
480-101358-A-13	B108-AREA2-S2	5035, 8260C	T	bulk					

Batch Notes	
Balance ID	b202613314
Batch Comment	sand #xh27a

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Batch Number: 306409 Batch Start Date: 06/13/16 11:00 Batch Analyst: Cwiklinski, Charles D

Batch Method: 5035 Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Batch Number: 306454 Batch Start Date: 06/13/16 15:30 Batch Analyst: O'Brien, Shaun W

Batch Method: 5035A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00075	GAS CORP mix 00159
LCS 480-306454/1		5035A, 8260C		19.51 g	24.51 g	5 g	10 mL	125 uL	125 uL
MB 480-306454/2		5035A, 8260C		19.46 g	24.47 g	5.01 g	10 mL		
480-101358-A-5	B105-AREA2-S1	5035A, 8260C	T	19.50 g	24.53 g	5.03 g	10 mL		
480-101358-A-5 MS	B105-AREA2-S1	5035A, 8260C	T	19.49 g	24.52 g	5.03 g	10 mL	125 uL	125 uL
480-101358-A-5 MSD	B105-AREA2-S1	5035A, 8260C	T	19.70 g	24.77 g	5.07 g	10 mL	125 uL	125 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-306454/1		5035A, 8260C							
MB 480-306454/2		5035A, 8260C							
480-101358-A-5	B105-AREA2-S1	5035A, 8260C	T	Bulk ML Base					
480-101358-A-5 MS	B105-AREA2-S1	5035A, 8260C	T	Batched					
480-101358-A-5 MSD	B105-AREA2-S1	5035A, 8260C	T	Batched					

Batch Notes	
Balance ID	B202613314
Methanol ID	127999
Blank Sand Lot #	XH27A

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Batch Number: 306491 Batch Start Date: 06/13/16 21:05 Batch Analyst: Dias, Nicole M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	8260 CORP mix 00075	GAS CORP mix 00160
LCS 480-306491/1		5035, 8260C		25.50 g	30.66 g	5.16 g	5 mL	2.5 uL	2.5 uL
MB 480-306491/2		5035, 8260C		25.08 g	30.11 g	5.03 g	5 mL		
480-101358-A-8	B106-AREA2-S2	5035, 8260C	T	25.02 g	30.12 g	5.1 g	5 mL		
480-101358-A-9	B107-AREA2-S1	5035, 8260C	T	25.36 g	30.47 g	5.11 g	5 mL		
480-101358-A-11	B-POLEBARN-DUP6	5035, 8260C	T	25.09 g	30.11 g	5.02 g	5 mL		
480-101358-A-12 MS	B108-AREA2-S1	5035, 8260C	T	24.84 g	29.94 g	5.1 g	5 mL	2.5 uL	2.5 uL
480-101358-A-12 MSD	B108-AREA2-S1	5035, 8260C	T	25.28 g	30.34 g	5.06 g	5 mL	2.5 uL	2.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
LCS 480-306491/1		5035, 8260C							
MB 480-306491/2		5035, 8260C							
480-101358-A-8	B106-AREA2-S2	5035, 8260C	T	bulk, confirm IS/SURR					
480-101358-A-9	B107-AREA2-S1	5035, 8260C	T	bulk, confirm IS					
480-101358-A-11	B-POLEBARN-DUP6	5035, 8260C	T	bulk, confirm IS/SURR					
480-101358-A-12 MS	B108-AREA2-S1	5035, 8260C	T	bulk, confirm IS, link to parent in B#306374					
480-101358-A-12 MSD	B108-AREA2-S1	5035, 8260C	T	bulk, confirm IS, link to parent in B#306374					

Batch Notes	
Balance ID	B202613314
Batch Comment	XH27A

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-101358-1

SDG No.:

Project: Lockheed Martin Corporation - Soils

Client Sample ID	Lab Sample ID
B104-AREA2-S1	480-101358-3
B104-AREA2-S2	480-101358-4
B105-AREA2-S1	480-101358-5
B105-AREA2-S2	480-101358-6
B106-AREA2-S1	480-101358-7
B106-AREA2-S2	480-101358-8
B107-AREA2-S1	480-101358-9
B107-AREA2-S2	480-101358-10
B-POLEBARN-DUP6	480-101358-11
B108-AREA2-S1	480-101358-12
B108-AREA2-S2	480-101358-13

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-101358-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-101358-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 06/12/2016 23:38 End Date: 06/12/2016 23:38

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
480-101358-3	1	T	23:38	X	X																								
480-101358-4	1	T	23:38	X	X																								
480-101358-5	1	T	23:38	X	X																								
480-101358-6	1	T	23:38	X	X																								
480-101358-7	1	T	23:38	X	X																								
480-101358-8	1	T	23:38	X	X																								
480-101358-9	1	T	23:38	X	X																								
480-101358-10	1	T	23:38	X	X																								
480-101358-10 MS	1	T	23:38	X	X																								
480-101358-10 MSD	1	T	23:38	X	X																								
480-101358-11	1	T	23:38	X	X																								
480-101358-12	1	T	23:38	X	X																								
480-101358-12 MS	1	T	23:38	X	X																								
480-101358-12 MSD	1	T	23:38	X	X																								
480-101358-13	1	T	23:38	X	X																								

Prep Types:
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Batch Number: 306262 Batch Start Date: 06/12/16 23:38 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date: 06/13/16 14:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
480-101358-A-3	B104-AREA2-S1	Moisture	T	4.30 g	17.61 g	16.18 g			
480-101358-A-4	B104-AREA2-S2	Moisture	T	4.30 g	15.29 g	14.46 g			
480-101358-A-5	B105-AREA2-S1	Moisture	T	4.30 g	20.32 g	18.93 g			
480-101358-A-6	B105-AREA2-S2	Moisture	T	4.30 g	16.22 g	15.09 g			
480-101358-A-7	B106-AREA2-S1	Moisture	T	4.30 g	17.58 g	16.41 g			
480-101358-A-8	B106-AREA2-S2	Moisture	T	4.30 g	18.47 g	17.63 g			
480-101358-A-9	B107-AREA2-S1	Moisture	T	4.30 g	20.16 g	18.42 g			
480-101358-A-10	B107-AREA2-S2	Moisture	T	4.30 g	20.01 g	17.05 g			
480-101358-A-10 MS	B107-AREA2-S2	Moisture	T	4.30 g	20.01 g	17.05 g			
480-101358-A-10 MSD	B107-AREA2-S2	Moisture	T	4.30 g	20.01 g	17.05 g			
480-101358-A-11	B-POLEBARN-DUP6	Moisture	T	4.30 g	16.94 g	15.90 g			
480-101358-A-12	B108-AREA2-S1	Moisture	T	4.30 g	19.39 g	18.00 g			
480-101358-A-12 MS	B108-AREA2-S1	Moisture	T	4.30 g	19.39 g	18.00 g			
480-101358-A-12 MSD	B108-AREA2-S1	Moisture	T	4.30 g	19.39 g	18.00 g			
480-101358-A-13	B108-AREA2-S2	Moisture	T	4.30 g	19.26 g	16.70 g			

Batch Notes	
Balance ID	B202613314 No Unit
Batch Comment	PP-F-6A-15-S1
Date samples were placed in the oven	6/12/16
Oven Temp In	104 Degrees C
Time samples were place in the oven	23:40
Date samples were removed from oven	6/13/16
Oven Temp Out	105 Degrees C
Time Samples were removed from oven	13:30
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	105 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-101358-1

SDG No.:

Batch Number: 306262 Batch Start Date: 06/12/16 23:38 Batch Analyst: Dias, Nicole M

Batch Method: Moisture Batch End Date: 06/13/16 14:50

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

480-101358 Chain of Custody

Client Information	Sampler: L. Best, C. Yarrington	Lab PM: VanDette, Ryan T	COC No: 480-84053-20583.5
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com	Page: 1 of 2 Page 6 of 7 (LB)
Company: Stantec Consulting Services Inc		Analysis Req	Job #:
Address: 61 Commercial Street	Due Date Requested:		
City: Rochester	TAT Requested (days): 10 d		
State, Zip: NY, 14614			
Phone:	PO #: Purchase Order not required		
Email: laura.best@stantec.com	WO #: 10137		
Project Name: Lockheed Martin Corporation	Project #: 48002828		
Site: New York	SSOW#:		

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
SB-RINSEBLANK4	6/8/16	11:40	G	W ~~Solid~~ LB					X	W	
TRIPBLANK	6/8/16	11:00	G	W ~~Solid~~					X	3	
B104 - AREA2 - s1	6/8/16	10:30	G	Solid				X	X (LB)	1	
B104 - AREA2 - s2		10:40		Solid				X		1	
B105 - AREA2 - s1		11:00		Solid				X		1	
B105 - AREA2 - s2		11:05		Solid				X		1	
B106 - AREA2 - s1		11:30		Solid				X		1	
B106 - AREA2 - s2		11:35		Solid				X		1	
B107 - AREA2 - s1		10:05		Solid				X		1	
B107 - AREA2 - s2		10:15		Solid		Y		X		3	MS/MSD
B-POLEBARN-DUP6		11:10		Solid				X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV), Other (specify) NYSDEC ASP Category B ; NYSDEC EQUIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Laura Best	6/8/16 14:40	Stantec	Ryan Vandette	6-8-16, 14:40	Syr
2	Ryan Vandette	6-8-16, 19:00	Syr	[illegible]	6-9-16 0030	TAL
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 6.6 #1

Page 6 of 7

06/22/2016

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L.Best, C.Yarrington	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-84053-20583.6
Client Contact: Ms. Laura Best	Phone: (585) 301-0166	E-Mail: ryan.vandette@testamericainc.com		Page: 2 of 2 Page 6 of 7 (LB)
Company: Stantec Consulting Services Inc				Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): 10 d			
State, Zip: NY, 14614				
Phone:	PO #: Purchase Order not required			
Email: laura.best@stantec.com	WO #: 10137			
Project Name: Lockheed Martin Corporation	Project #: 48002828			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs - OLM04.2	8260C - TCL list OLM04.2	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
B108-AREA2-S1	6/8/16	0930	G	Solid	Y			X		3	MS/MSD
B108-AREA2-S2	6/8/16	0945	G	Solid				X		1	
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Water							

Laura Best 6/8/16

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (V) Other (specify) NYSDEC ASP Category B; NYSDEC EQuIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Laura Best	6/8/16 14:40	Stantec	R.Englund	6-8-16, 14:40	SyR
Relinquished by: R.Englund	Date/Time: 6-8-16, 19:00	Company SyR	Received by:	Date/Time: 6-9-16 0730	Company MAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.6 +1

Page 6 of 7
480-84053-20583.2
06/22/2016

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-101358-1
SDG Number:

Login Number: 101358
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-107100-1

Job Description: Lockheed Martin Corporation - Soils

For:
Stantec Consulting Services Inc
61 Commercial Street
Rochester, NY 14614

Attention: Bob Mahoney

Approved for release.
Denise L Giglia
Project Management Assistant II
10/12/2016 1:07 PM

Designee for
Ryan T VanDette, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9830
ryan.vandette@testamericainc.com
10/12/2016

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Definitions 4

Case Narrative 5

Detection Summary 6

Client Sample Results 8

Default Detection Limits 13

Surrogate Summary 14

QC Sample Results 15

QC Association 17

Chronicle 19

Certification Summary 24

Method Summary 25

Sample Summary 26

Manual Integration Summary 27

Reagent Traceability 53

COAs 76

Organic Sample Data 186

GC Semi VOA 186

Method 8082A 186

Method 8082A QC Summary 187

Method 8082A Sample Data 217

Standards Data 297

Method 8082A ICAL Data 297

Method 8082A CCAL Data 587

Raw QC Data 710

Table of Contents

Method 8082A Blank Data 710

Method 8082A LCS/LCSD Data 718

Method 8082A MS/MSD Data 732

Method 8082A Run Logs 748

Method 8082A Prep Data 756

Inorganic Sample Data 759

General Chemistry Data 759

Gen Chem Cover Page 760

Gen Chem MDL 761

Gen Chem Analysis Run Log 763

Gen Chem Prep Data 767

Shipping and Receiving Documents 768

Client Chain of Custody 769

Sample Receipt Checklist 771

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job Narrative
480-107100-1

Comments
No additional comments.

Receipt
The samples were received on 10/6/2016 1:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

GC Semi VOA
Method(s) 8082A: All primary data for analytical batches 324559 and 324833 is reported from the ZB-35 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-107100-1

Client Sample ID: SS7-16 — Lab Sample ID: 480-107100-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.53		0.25	0.12	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-17 — Lab Sample ID: 480-107100-2

No Detections.

Client Sample ID: SS7-18 — Lab Sample ID: 480-107100-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.73		0.30	0.14	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-19 — Lab Sample ID: 480-107100-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.0		0.32	0.15	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-20 — Lab Sample ID: 480-107100-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.2		0.32	0.15	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-21 — Lab Sample ID: 480-107100-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.34		0.22	0.10	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-22 — Lab Sample ID: 480-107100-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.3		0.19	0.090	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-23 — Lab Sample ID: 480-107100-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.4		0.27	0.13	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-24 — Lab Sample ID: 480-107100-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.39		0.37	0.18	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-25 — Lab Sample ID: 480-107100-10

No Detections.

Client Sample ID: SS7-26 — Lab Sample ID: 480-107100-11

No Detections.

Client Sample ID: SS7-27 — Lab Sample ID: 480-107100-12

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS7-27 (Continued)

Lab Sample ID: 480-107100-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.32		0.29	0.14	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-DUP3

Lab Sample ID: 480-107100-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.32		0.28	0.13	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: SS7-RINSE BLANK

Lab Sample ID: 480-107100-14

No Detections.

Client Sample ID: SS7-16

Date Collected: 10/05/16 11:26
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-1

Matrix: Solid
Percent Solids: 84.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	10/07/16 06:14	10/08/16 16:20	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	10/07/16 06:14	10/08/16 16:20	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	10/07/16 06:14	10/08/16 16:20	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	10/07/16 06:14	10/08/16 16:20	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	10/07/16 06:14	10/08/16 16:20	1
PCB-1254	**0.53**		0.25	0.12	mg/Kg	☼	10/07/16 06:14	10/08/16 16:20	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	10/07/16 06:14	10/08/16 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*135*		*60 - 154*	*10/07/16 06:14*	*10/08/16 16:20*	*1*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*10/07/16 06:14*	*10/08/16 16:20*	*1*

Client Sample ID: SS7-17

Date Collected: 10/05/16 11:29
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-2

Matrix: Solid
Percent Solids: 85.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	10/07/16 06:14	10/08/16 16:05	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	10/07/16 06:14	10/08/16 16:05	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	10/07/16 06:14	10/08/16 16:05	1
PCB-1242	ND		0.23	0.045	mg/Kg	☼	10/07/16 06:14	10/08/16 16:05	1
PCB-1248	ND		0.23	0.045	mg/Kg	☼	10/07/16 06:14	10/08/16 16:05	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	10/07/16 06:14	10/08/16 16:05	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	10/07/16 06:14	10/08/16 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*132*		*60 - 154*	*10/07/16 06:14*	*10/08/16 16:05*	*1*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*10/07/16 06:14*	*10/08/16 16:05*	*1*

Client Sample ID: SS7-18

Date Collected: 10/05/16 11:30
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-3

Matrix: Solid
Percent Solids: 75.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	10/07/16 06:14	10/08/16 16:35	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	10/07/16 06:14	10/08/16 16:35	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	10/07/16 06:14	10/08/16 16:35	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	10/07/16 06:14	10/08/16 16:35	1
PCB-1248	ND		0.30	0.059	mg/Kg	☼	10/07/16 06:14	10/08/16 16:35	1
PCB-1254	**0.73**		0.30	0.14	mg/Kg	☼	10/07/16 06:14	10/08/16 16:35	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	10/07/16 06:14	10/08/16 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*126*		*60 - 154*	*10/07/16 06:14*	*10/08/16 16:35*	*1*
DCB Decachlorobiphenyl	*112*		*65 - 174*	*10/07/16 06:14*	*10/08/16 16:35*	*1*

Client Sample ID: SS7-19
Lab Sample ID: 480-107100-4
Date Collected: 10/05/16 11:31
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 68.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.063	mg/Kg	☼	10/07/16 06:14	10/08/16 16:51	1
PCB-1221	ND		0.32	0.063	mg/Kg	☼	10/07/16 06:14	10/08/16 16:51	1
PCB-1232	ND		0.32	0.063	mg/Kg	☼	10/07/16 06:14	10/08/16 16:51	1
PCB-1242	ND		0.32	0.063	mg/Kg	☼	10/07/16 06:14	10/08/16 16:51	1
PCB-1248	ND		0.32	0.063	mg/Kg	☼	10/07/16 06:14	10/08/16 16:51	1
PCB-1254	**1.0**		0.32	0.15	mg/Kg	☼	10/07/16 06:14	10/08/16 16:51	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	10/07/16 06:14	10/08/16 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*10/07/16 06:14*	*10/08/16 16:51*	*1*
DCB Decachlorobiphenyl	*114*		*65 - 174*	*10/07/16 06:14*	*10/08/16 16:51*	*1*

Client Sample ID: SS7-20
Lab Sample ID: 480-107100-5
Date Collected: 10/05/16 11:33
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 69.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.062	mg/Kg	☼	10/07/16 06:14	10/08/16 17:06	1
PCB-1221	ND		0.32	0.062	mg/Kg	☼	10/07/16 06:14	10/08/16 17:06	1
PCB-1232	ND		0.32	0.062	mg/Kg	☼	10/07/16 06:14	10/08/16 17:06	1
PCB-1242	ND		0.32	0.062	mg/Kg	☼	10/07/16 06:14	10/08/16 17:06	1
PCB-1248	ND		0.32	0.062	mg/Kg	☼	10/07/16 06:14	10/08/16 17:06	1
PCB-1254	**1.2**		0.32	0.15	mg/Kg	☼	10/07/16 06:14	10/08/16 17:06	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	10/07/16 06:14	10/08/16 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*139*		*60 - 154*	*10/07/16 06:14*	*10/08/16 17:06*	*1*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*10/07/16 06:14*	*10/08/16 17:06*	*1*

Client Sample ID: SS7-21
Lab Sample ID: 480-107100-6
Date Collected: 10/05/16 11:35
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 89.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	10/07/16 06:14	10/08/16 17:21	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	10/07/16 06:14	10/08/16 17:21	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	10/07/16 06:14	10/08/16 17:21	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	10/07/16 06:14	10/08/16 17:21	1
PCB-1248	ND		0.22	0.043	mg/Kg	☼	10/07/16 06:14	10/08/16 17:21	1
PCB-1254	**0.34**		0.22	0.10	mg/Kg	☼	10/07/16 06:14	10/08/16 17:21	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	10/07/16 06:14	10/08/16 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*117*		*60 - 154*	*10/07/16 06:14*	*10/08/16 17:21*	*1*
DCB Decachlorobiphenyl	*117*		*65 - 174*	*10/07/16 06:14*	*10/08/16 17:21*	*1*

Client Sample ID: SS7-22
Lab Sample ID: 480-107100-7
Date Collected: 10/05/16 11:36
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 89.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.038	mg/Kg	☼	10/07/16 06:14	10/08/16 17:37	1
PCB-1221	ND		0.19	0.038	mg/Kg	☼	10/07/16 06:14	10/08/16 17:37	1
PCB-1232	ND		0.19	0.038	mg/Kg	☼	10/07/16 06:14	10/08/16 17:37	1
PCB-1242	ND		0.19	0.038	mg/Kg	☼	10/07/16 06:14	10/08/16 17:37	1
PCB-1248	ND		0.19	0.038	mg/Kg	☼	10/07/16 06:14	10/08/16 17:37	1
PCB-1254	**1.3**		0.19	0.090	mg/Kg	☼	10/07/16 06:14	10/08/16 17:37	1
PCB-1260	ND		0.19	0.090	mg/Kg	☼	10/07/16 06:14	10/08/16 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*138*		*60 - 154*	*10/07/16 06:14*	*10/08/16 17:37*	*1*
DCB Decachlorobiphenyl	*132*		*65 - 174*	*10/07/16 06:14*	*10/08/16 17:37*	*1*

Client Sample ID: SS7-23
Lab Sample ID: 480-107100-8
Date Collected: 10/05/16 11:37
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 88.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	10/07/16 06:14	10/08/16 17:52	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	10/07/16 06:14	10/08/16 17:52	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	10/07/16 06:14	10/08/16 17:52	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	10/07/16 06:14	10/08/16 17:52	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	10/07/16 06:14	10/08/16 17:52	1
PCB-1254	**1.4**		0.27	0.13	mg/Kg	☼	10/07/16 06:14	10/08/16 17:52	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	10/07/16 06:14	10/08/16 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*136*		*60 - 154*	*10/07/16 06:14*	*10/08/16 17:52*	*1*
DCB Decachlorobiphenyl	*131*		*65 - 174*	*10/07/16 06:14*	*10/08/16 17:52*	*1*

Client Sample ID: SS7-24
Lab Sample ID: 480-107100-9
Date Collected: 10/05/16 11:38
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 53.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.37	0.073	mg/Kg	☼	10/07/16 06:14	10/08/16 18:07	1
PCB-1221	ND		0.37	0.073	mg/Kg	☼	10/07/16 06:14	10/08/16 18:07	1
PCB-1232	ND		0.37	0.073	mg/Kg	☼	10/07/16 06:14	10/08/16 18:07	1
PCB-1242	ND		0.37	0.073	mg/Kg	☼	10/07/16 06:14	10/08/16 18:07	1
PCB-1248	ND		0.37	0.073	mg/Kg	☼	10/07/16 06:14	10/08/16 18:07	1
PCB-1254	**0.39**		0.37	0.18	mg/Kg	☼	10/07/16 06:14	10/08/16 18:07	1
PCB-1260	ND		0.37	0.18	mg/Kg	☼	10/07/16 06:14	10/08/16 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*10/07/16 06:14*	*10/08/16 18:07*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*10/07/16 06:14*	*10/08/16 18:07*	*1*

Client Sample ID: SS7-25
Lab Sample ID: 480-107100-10
Date Collected: 10/05/16 11:40
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 88.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg	☼	10/07/16 06:14	10/08/16 18:23	1
PCB-1221	ND		0.20	0.039	mg/Kg	☼	10/07/16 06:14	10/08/16 18:23	1
PCB-1232	ND		0.20	0.039	mg/Kg	☼	10/07/16 06:14	10/08/16 18:23	1
PCB-1242	ND		0.20	0.039	mg/Kg	☼	10/07/16 06:14	10/08/16 18:23	1
PCB-1248	ND		0.20	0.039	mg/Kg	☼	10/07/16 06:14	10/08/16 18:23	1
PCB-1254	ND		0.20	0.094	mg/Kg	☼	10/07/16 06:14	10/08/16 18:23	1
PCB-1260	ND		0.20	0.094	mg/Kg	☼	10/07/16 06:14	10/08/16 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*131*		*60 - 154*	*10/07/16 06:14*	*10/08/16 18:23*	*1*
DCB Decachlorobiphenyl	*128*		*65 - 174*	*10/07/16 06:14*	*10/08/16 18:23*	*1*

Client Sample ID: SS7-26
Lab Sample ID: 480-107100-11
Date Collected: 10/05/16 11:41
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 79.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.061	mg/Kg	☼	10/07/16 06:14	10/08/16 18:38	1
PCB-1221	ND		0.31	0.061	mg/Kg	☼	10/07/16 06:14	10/08/16 18:38	1
PCB-1232	ND		0.31	0.061	mg/Kg	☼	10/07/16 06:14	10/08/16 18:38	1
PCB-1242	ND		0.31	0.061	mg/Kg	☼	10/07/16 06:14	10/08/16 18:38	1
PCB-1248	ND		0.31	0.061	mg/Kg	☼	10/07/16 06:14	10/08/16 18:38	1
PCB-1254	ND		0.31	0.15	mg/Kg	☼	10/07/16 06:14	10/08/16 18:38	1
PCB-1260	ND		0.31	0.15	mg/Kg	☼	10/07/16 06:14	10/08/16 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*122*		*60 - 154*	*10/07/16 06:14*	*10/08/16 18:38*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*10/07/16 06:14*	*10/08/16 18:38*	*1*

Client Sample ID: SS7-27
Lab Sample ID: 480-107100-12
Date Collected: 10/05/16 11:42
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 71.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.057	mg/Kg	☼	10/07/16 06:14	10/08/16 18:53	1
PCB-1221	ND		0.29	0.057	mg/Kg	☼	10/07/16 06:14	10/08/16 18:53	1
PCB-1232	ND		0.29	0.057	mg/Kg	☼	10/07/16 06:14	10/08/16 18:53	1
PCB-1242	ND		0.29	0.057	mg/Kg	☼	10/07/16 06:14	10/08/16 18:53	1
PCB-1248	ND		0.29	0.057	mg/Kg	☼	10/07/16 06:14	10/08/16 18:53	1
PCB-1254	**0.32**		0.29	0.14	mg/Kg	☼	10/07/16 06:14	10/08/16 18:53	1
PCB-1260	ND		0.29	0.14	mg/Kg	☼	10/07/16 06:14	10/08/16 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*60 - 154*	*10/07/16 06:14*	*10/08/16 18:53*	*1*
DCB Decachlorobiphenyl	*76*		*65 - 174*	*10/07/16 06:14*	*10/08/16 18:53*	*1*

Client Sample ID: SS7-DUP3

Lab Sample ID: 480-107100-13
Date Collected: 10/05/16 11:27
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 86.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☼	10/07/16 06:14	10/08/16 19:09	1
PCB-1221	ND		0.28	0.055	mg/Kg	☼	10/07/16 06:14	10/08/16 19:09	1
PCB-1232	ND		0.28	0.055	mg/Kg	☼	10/07/16 06:14	10/08/16 19:09	1
PCB-1242	ND		0.28	0.055	mg/Kg	☼	10/07/16 06:14	10/08/16 19:09	1
PCB-1248	ND		0.28	0.055	mg/Kg	☼	10/07/16 06:14	10/08/16 19:09	1
PCB-1254	**0.32**		0.28	0.13	mg/Kg	☼	10/07/16 06:14	10/08/16 19:09	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	10/07/16 06:14	10/08/16 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*131*		*60 - 154*	*10/07/16 06:14*	*10/08/16 19:09*	*1*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*10/07/16 06:14*	*10/08/16 19:09*	*1*

Client Sample ID: SS7-RINSE BLANK

Lab Sample ID: 480-107100-14
Date Collected: 10/05/16 14:20
Matrix: Water
Date Received: 10/06/16 01:45

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/10/16 07:50	10/11/16 07:16	1
PCB-1221	ND		0.47	0.17	ug/L		10/10/16 07:50	10/11/16 07:16	1
PCB-1232	ND		0.47	0.17	ug/L		10/10/16 07:50	10/11/16 07:16	1
PCB-1242	ND		0.47	0.17	ug/L		10/10/16 07:50	10/11/16 07:16	1
PCB-1248	ND		0.47	0.17	ug/L		10/10/16 07:50	10/11/16 07:16	1
PCB-1254	ND		0.47	0.24	ug/L		10/10/16 07:50	10/11/16 07:16	1
PCB-1260	ND		0.47	0.24	ug/L		10/10/16 07:50	10/11/16 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*66*		*39 - 121*	*10/10/16 07:50*	*10/11/16 07:16*	*1*
DCB Decachlorobiphenyl	*74*		*19 - 120*	*10/10/16 07:50*	*10/11/16 07:16*	*1*

Default Detection Limits

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-107100-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Prep: 3510C

Analyte	RL	MDL	Units	Method
PCB-1016	0.50	0.18	ug/L	8082A
PCB-1221	0.50	0.18	ug/L	8082A
PCB-1232	0.50	0.18	ug/L	8082A
PCB-1242	0.50	0.18	ug/L	8082A
PCB-1248	0.50	0.18	ug/L	8082A
PCB-1254	0.50	0.25	ug/L	8082A
PCB-1260	0.50	0.25	ug/L	8082A

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Prep: 3550C

Analyte	RL	MDL	Units	Method
PCB-1016	0.25	0.049	mg/Kg	8082A
PCB-1221	0.25	0.049	mg/Kg	8082A
PCB-1232	0.25	0.049	mg/Kg	8082A
PCB-1242	0.25	0.049	mg/Kg	8082A
PCB-1248	0.25	0.049	mg/Kg	8082A
PCB-1254	0.25	0.12	mg/Kg	8082A
PCB-1260	0.25	0.12	mg/Kg	8082A

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-107100-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (60-154)	DCB2 (65-174)
480-107100-1	SS7-16	135	130
480-107100-2	SS7-17	132	124
480-107100-2 MS	SS7-17	152	152
480-107100-2 MSD	SS7-17	117	106
480-107100-3	SS7-18	126	112
480-107100-4	SS7-19	130	114
480-107100-5	SS7-20	139	130
480-107100-6	SS7-21	117	117
480-107100-7	SS7-22	138	132
480-107100-8	SS7-23	136	131
480-107100-9	SS7-24	118	99
480-107100-10	SS7-25	131	128
480-107100-11	SS7-26	122	116
480-107100-12	SS7-27	96	76
480-107100-13	SS7-DUP3	131	124
LCS 480-324269/2-A	Lab Control Sample	152	156
MB 480-324269/1-A	Method Blank	143	144

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (39-121)	DCB2 (19-120)
480-107100-14	SS7-RINSE BLANK	66	74
LCS 480-324647/2-A	Lab Control Sample	55	44
MB 480-324647/1-A	Method Blank	65	56

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-324269/1-A
Matrix: Solid
Analysis Batch: 324559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 324269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.17	0.034	mg/Kg		10/07/16 06:14	10/08/16 15:03	1
PCB-1221	ND		0.17	0.034	mg/Kg		10/07/16 06:14	10/08/16 15:03	1
PCB-1232	ND		0.17	0.034	mg/Kg		10/07/16 06:14	10/08/16 15:03	1
PCB-1242	ND		0.17	0.034	mg/Kg		10/07/16 06:14	10/08/16 15:03	1
PCB-1248	ND		0.17	0.034	mg/Kg		10/07/16 06:14	10/08/16 15:03	1
PCB-1254	ND		0.17	0.080	mg/Kg		10/07/16 06:14	10/08/16 15:03	1
PCB-1260	ND		0.17	0.080	mg/Kg		10/07/16 06:14	10/08/16 15:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*143*		*60 - 154*	*10/07/16 06:14*	*10/08/16 15:03*	*1*
DCB Decachlorobiphenyl	*144*		*65 - 174*	*10/07/16 06:14*	*10/08/16 15:03*	*1*

Lab Sample ID: LCS 480-324269/2-A
Matrix: Solid
Analysis Batch: 324559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 324269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.74	2.27		mg/Kg		130	51 - 185		
PCB-1260			1.74	2.61		mg/Kg		150	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*152*		*60 - 154*
DCB Decachlorobiphenyl	*156*		*65 - 174*

Lab Sample ID: 480-107100-2 MS
Matrix: Solid
Analysis Batch: 324559

Client Sample ID: SS7-17
Prep Type: Total/NA
Prep Batch: 324269

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		2.24	2.89		mg/Kg	☼	129	50 - 177		
PCB-1260	ND		2.24	3.49		mg/Kg	☼	156	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*152*		*60 - 154*
DCB Decachlorobiphenyl	*152*		*65 - 174*

Lab Sample ID: 480-107100-2 MSD
Matrix: Solid
Analysis Batch: 324559

Client Sample ID: SS7-17
Prep Type: Total/NA
Prep Batch: 324269

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.06	2.26		mg/Kg	☼	110	50 - 177	25	50
PCB-1260	ND		2.06	2.55		mg/Kg	☼	124	33 - 200	31	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*117*		*60 - 154*
DCB Decachlorobiphenyl	*106*		*65 - 174*

Lab Sample ID: MB 480-324647/1-A
Matrix: Water
Analysis Batch: 324833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 324647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/10/16 07:50	10/11/16 01:06	1
PCB-1221	ND		0.50	0.18	ug/L		10/10/16 07:50	10/11/16 01:06	1
PCB-1232	ND		0.50	0.18	ug/L		10/10/16 07:50	10/11/16 01:06	1
PCB-1242	ND		0.50	0.18	ug/L		10/10/16 07:50	10/11/16 01:06	1
PCB-1248	ND		0.50	0.18	ug/L		10/10/16 07:50	10/11/16 01:06	1
PCB-1254	ND		0.50	0.25	ug/L		10/10/16 07:50	10/11/16 01:06	1
PCB-1260	ND		0.50	0.25	ug/L		10/10/16 07:50	10/11/16 01:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*39 - 121*	*10/10/16 07:50*	*10/11/16 01:06*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*10/10/16 07:50*	*10/11/16 01:06*	*1*

Lab Sample ID: LCS 480-324647/2-A
Matrix: Water
Analysis Batch: 324833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 324647

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	2.59		ug/L		65	62 - 130		
PCB-1260			4.00	2.32		ug/L		58	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*55*		*39 - 121*
DCB Decachlorobiphenyl	*44*		*19 - 120*

GC Semi VOA

Prep Batch: 324269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107100-1	SS7-16	Total/NA	Solid	3550C	
480-107100-2	SS7-17	Total/NA	Solid	3550C	
480-107100-3	SS7-18	Total/NA	Solid	3550C	
480-107100-4	SS7-19	Total/NA	Solid	3550C	
480-107100-5	SS7-20	Total/NA	Solid	3550C	
480-107100-6	SS7-21	Total/NA	Solid	3550C	
480-107100-7	SS7-22	Total/NA	Solid	3550C	
480-107100-8	SS7-23	Total/NA	Solid	3550C	
480-107100-9	SS7-24	Total/NA	Solid	3550C	
480-107100-10	SS7-25	Total/NA	Solid	3550C	
480-107100-11	SS7-26	Total/NA	Solid	3550C	
480-107100-12	SS7-27	Total/NA	Solid	3550C	
480-107100-13	SS7-DUP3	Total/NA	Solid	3550C	
MB 480-324269/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-324269/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-107100-2 MS	SS7-17	Total/NA	Solid	3550C	
480-107100-2 MSD	SS7-17	Total/NA	Solid	3550C	

Analysis Batch: 324559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107100-1	SS7-16	Total/NA	Solid	8082A	324269
480-107100-2	SS7-17	Total/NA	Solid	8082A	324269
480-107100-3	SS7-18	Total/NA	Solid	8082A	324269
480-107100-4	SS7-19	Total/NA	Solid	8082A	324269
480-107100-5	SS7-20	Total/NA	Solid	8082A	324269
480-107100-6	SS7-21	Total/NA	Solid	8082A	324269
480-107100-7	SS7-22	Total/NA	Solid	8082A	324269
480-107100-8	SS7-23	Total/NA	Solid	8082A	324269
480-107100-9	SS7-24	Total/NA	Solid	8082A	324269
480-107100-10	SS7-25	Total/NA	Solid	8082A	324269
480-107100-11	SS7-26	Total/NA	Solid	8082A	324269
480-107100-12	SS7-27	Total/NA	Solid	8082A	324269
480-107100-13	SS7-DUP3	Total/NA	Solid	8082A	324269
MB 480-324269/1-A	Method Blank	Total/NA	Solid	8082A	324269
LCS 480-324269/2-A	Lab Control Sample	Total/NA	Solid	8082A	324269
480-107100-2 MS	SS7-17	Total/NA	Solid	8082A	324269
480-107100-2 MSD	SS7-17	Total/NA	Solid	8082A	324269

Prep Batch: 324647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107100-14	SS7-RINSE BLANK	Total/NA	Water	3510C	
MB 480-324647/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-324647/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 324833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107100-14	SS7-RINSE BLANK	Total/NA	Water	8082A	324647
MB 480-324647/1-A	Method Blank	Total/NA	Water	8082A	324647
LCS 480-324647/2-A	Lab Control Sample	Total/NA	Water	8082A	324647

General Chemistry

Analysis Batch: 324170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107100-1	SS7-16	Total/NA	Solid	Moisture	
480-107100-2	SS7-17	Total/NA	Solid	Moisture	
480-107100-3	SS7-18	Total/NA	Solid	Moisture	
480-107100-4	SS7-19	Total/NA	Solid	Moisture	
480-107100-5	SS7-20	Total/NA	Solid	Moisture	
480-107100-6	SS7-21	Total/NA	Solid	Moisture	
480-107100-7	SS7-22	Total/NA	Solid	Moisture	
480-107100-8	SS7-23	Total/NA	Solid	Moisture	
480-107100-9	SS7-24	Total/NA	Solid	Moisture	
480-107100-10	SS7-25	Total/NA	Solid	Moisture	
480-107100-11	SS7-26	Total/NA	Solid	Moisture	
480-107100-12	SS7-27	Total/NA	Solid	Moisture	
480-107100-13	SS7-DUP3	Total/NA	Solid	Moisture	
480-107100-2 MS	SS7-17	Total/NA	Solid	Moisture	
480-107100-2 MSD	SS7-17	Total/NA	Solid	Moisture	

Client Sample ID: SS7-16
Date Collected: 10/05/16 11:26
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-16
Date Collected: 10/05/16 11:26
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-1
Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 16:20	JMO	TAL BUF

Client Sample ID: SS7-17
Date Collected: 10/05/16 11:29
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-17
Date Collected: 10/05/16 11:29
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-2
Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 16:05	JMO	TAL BUF

Client Sample ID: SS7-18
Date Collected: 10/05/16 11:30
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-18
Date Collected: 10/05/16 11:30
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-3
Matrix: Solid
Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 16:35	JMO	TAL BUF

Client Sample ID: SS7-19
Date Collected: 10/05/16 11:31
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-19
Date Collected: 10/05/16 11:31
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-4
Matrix: Solid
Percent Solids: 68.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 16:51	JMO	TAL BUF

Client Sample ID: SS7-20
Date Collected: 10/05/16 11:33
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-20
Date Collected: 10/05/16 11:33
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-5
Matrix: Solid
Percent Solids: 69.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 17:06	JMO	TAL BUF

Client Sample ID: SS7-21
Date Collected: 10/05/16 11:35
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-21
Date Collected: 10/05/16 11:35
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-6
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 17:21	JMO	TAL BUF

Client Sample ID: SS7-22
Date Collected: 10/05/16 11:36
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-22
Date Collected: 10/05/16 11:36
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-7
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 17:37	JMO	TAL BUF

Client Sample ID: SS7-23
Date Collected: 10/05/16 11:37
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-23
Date Collected: 10/05/16 11:37
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-8
Matrix: Solid
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 17:52	JMO	TAL BUF

Client Sample ID: SS7-24
Date Collected: 10/05/16 11:38
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-24
Date Collected: 10/05/16 11:38
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-9
Matrix: Solid
Percent Solids: 53.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 18:07	JMO	TAL BUF

Client Sample ID: SS7-25
Date Collected: 10/05/16 11:40
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-25
Date Collected: 10/05/16 11:40
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-10
Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 18:23	JMO	TAL BUF

Client Sample ID: SS7-26
Date Collected: 10/05/16 11:41
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-26
Date Collected: 10/05/16 11:41
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-11
Matrix: Solid
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 18:38	JMO	TAL BUF

Client Sample ID: SS7-27
Date Collected: 10/05/16 11:42
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-27
Date Collected: 10/05/16 11:42
Date Received: 10/06/16 01:45

Lab Sample ID: 480-107100-12
Matrix: Solid
Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 18:53	JMO	TAL BUF

Client Sample ID: SS7-DUP3
Lab Sample ID: 480-107100-13
Date Collected: 10/05/16 11:27
Matrix: Solid
Date Received: 10/06/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	324170	10/06/16 13:18	CMK	TAL BUF

Client Sample ID: SS7-DUP3
Lab Sample ID: 480-107100-13
Date Collected: 10/05/16 11:27
Matrix: Solid
Date Received: 10/06/16 01:45
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			324269	10/07/16 06:14	CAM	TAL BUF
Total/NA	Analysis	8082A		1	324559	10/08/16 19:09	JMO	TAL BUF

Client Sample ID: SS7-RINSE BLANK
Lab Sample ID: 480-107100-14
Date Collected: 10/05/16 14:20
Matrix: Water
Date Received: 10/06/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			324647	10/10/16 07:50	SMP	TAL BUF
Total/NA	Analysis	8082A		1	324833	10/11/16 07:16	JMO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-107100-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-107100-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Lockheed Martin Corporation - Soils

TestAmerica Job ID: 480-107100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-107100-1	SS7-16	Solid	10/05/16 11:26	10/06/16 01:45
480-107100-2	SS7-17	Solid	10/05/16 11:29	10/06/16 01:45
480-107100-3	SS7-18	Solid	10/05/16 11:30	10/06/16 01:45
480-107100-4	SS7-19	Solid	10/05/16 11:31	10/06/16 01:45
480-107100-5	SS7-20	Solid	10/05/16 11:33	10/06/16 01:45
480-107100-6	SS7-21	Solid	10/05/16 11:35	10/06/16 01:45
480-107100-7	SS7-22	Solid	10/05/16 11:36	10/06/16 01:45
480-107100-8	SS7-23	Solid	10/05/16 11:37	10/06/16 01:45
480-107100-9	SS7-24	Solid	10/05/16 11:38	10/06/16 01:45
480-107100-10	SS7-25	Solid	10/05/16 11:40	10/06/16 01:45
480-107100-11	SS7-26	Solid	10/05/16 11:41	10/06/16 01:45
480-107100-12	SS7-27	Solid	10/05/16 11:42	10/06/16 01:45
480-107100-13	SS7-DUP3	Solid	10/05/16 11:27	10/06/16 01:45
480-107100-14	SS7-RINSE BLANK	Water	10/05/16 14:20	10/06/16 01:45

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/2 Client Sample ID:

Date Analyzed: 05/04/16 17:08 Lab File ID: 12_364m_014.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.70	Incomplete Integration	sobolk	05/04/16 19:24
Tetrachloro-m-xylene	2.29	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:26
PCB-1016 Peak 2	3.03	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 19:17
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 19:17

Lab Sample ID: IC 480-299978/3 Client Sample ID:

Date Analyzed: 05/04/16 17:23 Lab File ID: 12_364m_015.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 17:57
PCB-1016 Peak 5	2.50	Baseline Smoothing	sobolk	05/04/16 17:57

Lab Sample ID: IC 480-299978/3 Client Sample ID:

Date Analyzed: 05/04/16 17:23 Lab File ID: 12_364m_015.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:30
PCB-1016 Peak 2	3.04	Baseline Smoothing	sobolk	05/04/16 19:24
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 19:24
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 19:24
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 19:24

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: ICIS 480-299978/4 Client Sample ID:

Date Analyzed: 05/04/16 17:39 Lab File ID: 12_364m_016.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 5	2.51	Baseline Smoothing	sobolk	05/04/16 17:58

Lab Sample ID: ICIS 480-299978/4 Client Sample ID:

Date Analyzed: 05/04/16 17:39 Lab File ID: 12_364m_016.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:19
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:26
PCB-1016 Peak 2	3.04	Incomplete Integration	sobolk	05/04/16 19:26
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 2	5.56	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 17:58
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 17:58

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/5 Client Sample ID:

Date Analyzed: 05/04/16 17:54 Lab File ID: 12_364m_017.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 5	2.50	Baseline Smoothing	sobolk	05/04/16 18:25

Lab Sample ID: IC 480-299978/5 Client Sample ID:

Date Analyzed: 05/04/16 17:54 Lab File ID: 12_364m_017.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:19
PCB-1016 Peak 1	2.71	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 2	3.04	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 3	3.25	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 4	3.35	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 2	5.56	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 18:25
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 18:25

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/6 Client Sample ID:

Date Analyzed: 05/04/16 18:10 Lab File ID: 12_364m_018.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 5	2.50	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 1	4.03	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 2	4.15	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 3	4.33	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 4	4.52	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 5	4.75	Baseline Smoothing	sobolk	05/04/16 18:26

Lab Sample ID: IC 480-299978/6 Client Sample ID:

Date Analyzed: 05/04/16 18:10 Lab File ID: 12_364m_018.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:20
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:18
PCB-1016 Peak 2	3.04	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1016 Peak 3	3.25	Incomplete Integration	sobolk	05/04/16 18:26
PCB-1016 Peak 4	3.35	Incomplete Integration	sobolk	05/04/16 18:26
PCB-1016 Peak 5	3.47	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 2	5.56	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 18:26
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 18:26

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/7 Client Sample ID:

Date Analyzed: 05/04/16 18:25 Lab File ID: 12_364m_019.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.73	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 1	1.90	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 2	2.24	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 3	2.39	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 4	2.46	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1016 Peak 5	2.51	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 1	4.03	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 2	4.15	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 3	4.33	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 4	4.52	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 5	4.75	Baseline Smoothing	sobolk	05/04/16 19:09

Lab Sample ID: IC 480-299978/7 Client Sample ID:

Date Analyzed: 05/04/16 18:25 Lab File ID: 12_364m_019.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:18
PCB-1016 Peak 2	3.04	Split Peak	sobolk	05/04/16 19:18
PCB-1016 Peak 3	3.25	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1016 Peak 4	3.35	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1016 Peak 5	3.47	Incomplete Integration	sobolk	05/04/16 19:09
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 2	5.57	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 19:09
PCB-1260 Peak 5	6.09	Incomplete Integration	sobolk	05/04/16 19:09
DCB Decachlorobiphenyl	7.44	Incomplete Integration	sobolk	05/04/16 19:09

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/8 Client Sample ID:

Date Analyzed: 05/04/16 18:40 Lab File ID: 12_364m_020.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.72	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 1	1.90	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 2	2.24	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 3	2.39	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 4	2.46	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1016 Peak 5	2.50	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1260 Peak 1	4.03	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 2	4.15	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 3	4.33	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 4	4.52	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 5	4.75	Baseline Smoothing	sobolk	05/04/16 19:14
DCB Decachlorobiphenyl	5.72	Incomplete Integration	sobolk	05/04/16 19:14

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/8 Client Sample ID:

Date Analyzed: 05/04/16 18:40 Lab File ID: 12_364m_020.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.69	Incomplete Integration	sobolk	05/04/16 19:16
Tetrachloro-m-xylene	2.30	Incomplete Integration	sobolk	05/04/16 19:23
PCB-1016 Peak 1	2.71	Incomplete Integration	sobolk	05/04/16 19:28
PCB-1016 Peak 2	3.04	Split Peak	sobolk	05/04/16 19:25
PCB-1016 Peak 3	3.25	Incomplete Integration	sobolk	05/04/16 19:16
PCB-1016 Peak 4	3.35	Incomplete Integration	sobolk	05/04/16 19:16
PCB-1016 Peak 5	3.47	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1260 Peak 1	5.24	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 2	5.56	Incomplete Integration	sobolk	05/04/16 19:14
PCB-1260 Peak 3	5.63	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 4	5.70	Baseline Smoothing	sobolk	05/04/16 19:14
PCB-1260 Peak 5	6.09	Baseline Smoothing	sobolk	05/04/16 19:14
DCB Decachlorobiphenyl	7.44	Incomplete Integration	sobolk	05/04/16 19:14

Lab Sample ID: IC 480-299978/15 Client Sample ID:

Date Analyzed: 05/04/16 20:12 Lab File ID: 12_364m_026.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	2.04	Incomplete Integration	sobolk	05/04/16 20:44
PCB-1221 Peak 2	2.55	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1221 Peak 3	2.71	Incomplete Integration	sobolk	05/04/16 20:44
PCB-1254 Peak 1	4.26	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 2	4.57	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 3	4.66	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 4	4.79	Baseline Smoothing	sobolk	05/04/16 20:44
PCB-1254 Peak 5	5.24	Baseline Smoothing	sobolk	05/04/16 20:44

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/19 Client Sample ID:

Date Analyzed: 05/04/16 20:43 Lab File ID: 12_364m_028.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	1.90	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 2	2.13	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 3	2.24	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 4	2.39	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 5	2.46	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 1	4.15	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 2	4.33	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 3	4.52	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 4	4.81	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 5	4.85	Baseline Smoothing	sobolk	05/05/16 16:28

Lab Sample ID: IC 480-299978/19 Client Sample ID:

Date Analyzed: 05/04/16 20:43 Lab File ID: 12_364m_028.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.71	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 2	3.04	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 3	3.35	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 4	3.47	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1232 Peak 5	3.85	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 1	5.28	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 2	5.56	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 3	5.69	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 4	6.04	Baseline Smoothing	sobolk	05/05/16 16:28
PCB-1262 Peak 5	6.08	Baseline Smoothing	sobolk	05/05/16 16:28

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/23 Client Sample ID:

Date Analyzed: 05/04/16 21:14 Lab File ID: 12_364m_030.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	2.39	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 2	2.46	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 3	2.77	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 4	2.83	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 5	3.03	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 1	4.81	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 2	4.84	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 3	5.06	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 4	5.21	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 5	5.48	Baseline Smoothing	sobolk	05/05/16 16:39

Lab Sample ID: IC 480-299978/23 Client Sample ID:

Date Analyzed: 05/04/16 21:14 Lab File ID: 12_364m_030.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.35	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 2	3.47	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 3	3.64	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 4	3.85	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1242 Peak 5	4.09	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 1	6.03	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 2	6.08	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 3	6.37	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 4	6.60	Baseline Smoothing	sobolk	05/05/16 16:39
PCB-1268 Peak 5	7.02	Baseline Smoothing	sobolk	05/05/16 16:39

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 299978

Lab Sample ID: IC 480-299978/27 Client Sample ID:

Date Analyzed: 05/04/16 21:44 Lab File ID: 12_364m_032.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	2.63	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 2	2.75	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 3	2.83	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 4	3.04	Baseline Smoothing	sobolk	05/05/16 16:51
PCB-1248 Peak 5	3.16	Baseline Smoothing	sobolk	05/05/16 16:51

Lab Sample ID: IC 480-299978/27 Client Sample ID:

Date Analyzed: 05/04/16 21:44 Lab File ID: 12_364m_032.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.69	Incomplete Integration	sobolk	05/05/16 16:53
PCB-1248 Peak 1	3.64	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 2	3.85	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 3	3.95	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 4	4.09	Baseline Smoothing	sobolk	05/05/16 16:52
PCB-1248 Peak 5	4.34	Baseline Smoothing	sobolk	05/05/16 16:52

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 324559

Lab Sample ID: CCV 480-324559/5 Client Sample ID:

Date Analyzed: 10/08/16 13:47 Lab File ID: 12_374m_309.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Split Peak	owenj	10/10/16 09:40
PCB-1254 Peak 2	3.23	Split Peak	owenj	10/10/16 09:40
PCB-1254 Peak 3	3.40	Split Peak	owenj	10/10/16 09:40
PCB-1254 Peak 4	3.60	Split Peak	owenj	10/10/16 09:40
PCB-1254 Peak 5	3.77	Split Peak	owenj	10/10/16 09:40

Lab Sample ID: CCV 480-324559/8 Client Sample ID:

Date Analyzed: 10/08/16 14:33 Lab File ID: 12_374m_312.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	2.42	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 2	2.54	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 3	2.61	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 4	2.81	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 5	2.96	Baseline Smoothing	owenj	10/10/16 09:41

Lab Sample ID: CCV 480-324559/8 Client Sample ID:

Date Analyzed: 10/08/16 14:33 Lab File ID: 12_374m_312.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.45	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 2	3.65	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 3	3.75	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 4	3.89	Baseline Smoothing	owenj	10/10/16 09:41
PCB-1248 Peak 5	4.14	Baseline Smoothing	owenj	10/10/16 09:41

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 324559

Lab Sample ID: LCS 480-324269/2-A Client Sample ID:

Date Analyzed: 10/08/16 15:19 Lab File ID: 12_374m_315.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.58	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1016 Peak 1	1.74	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1016 Peak 2	2.05	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1016 Peak 3	2.19	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1016 Peak 4	2.26	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1016 Peak 5	2.30	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1260 Peak 1	3.77	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1260 Peak 2	3.89	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1260 Peak 3	4.06	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1260 Peak 4	4.26	Baseline Smoothing	owenj	10/10/16 12:52
PCB-1260 Peak 5	4.48	Baseline Smoothing	owenj	10/10/16 12:52

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 324559

Lab Sample ID: 480-107100-2 MS Client Sample ID: SS7-17 MS

Date Analyzed: 10/08/16 15:34 Lab File ID: 12_374m_316.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	1.74	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1016 Peak 2	2.05	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1016 Peak 3	2.19	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1016 Peak 4	2.26	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1016 Peak 5	2.30	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1254 Peak 2	3.22	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 1	3.77	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 2	3.89	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 3	4.06	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 4	4.25	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 5	4.48	Baseline Smoothing	owenj	10/10/16 12:53

Lab Sample ID: 480-107100-2 MSD Client Sample ID: SS7-17 MSD

Date Analyzed: 10/08/16 15:49 Lab File ID: 12_374m_317.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1254 Peak 2	3.22	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 1	3.77	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 2	3.89	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 3	4.06	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 4	4.26	Baseline Smoothing	owenj	10/10/16 12:53
PCB-1260 Peak 5	4.48	Baseline Smoothing	owenj	10/10/16 12:53

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 324559

Lab Sample ID: 480-107100-1 Client Sample ID: SS7-16

Date Analyzed: 10/08/16 16:20 Lab File ID: 12_374m_319.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:54
PCB-1254 Peak 2	3.23	Baseline Smoothing	owenj	10/10/16 12:54
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:54
PCB-1254 Peak 4	3.59	Baseline Smoothing	owenj	10/10/16 12:54
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:54

Lab Sample ID: 480-107100-4 Client Sample ID: SS7-19

Date Analyzed: 10/08/16 16:51 Lab File ID: 12_374m_321.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 2	3.23	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 4	3.59	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:55

Lab Sample ID: 480-107100-6 Client Sample ID: SS7-21

Date Analyzed: 10/08/16 17:21 Lab File ID: 12_374m_323.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 2	3.23	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 4	3.59	Baseline Smoothing	owenj	10/10/16 12:55
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:55

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 324559

Lab Sample ID: 480-107100-7 Client Sample ID: SS7-22

Date Analyzed: 10/08/16 17:37 Lab File ID: 12_374m_324.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 2	3.23	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 4	3.59	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:56

Lab Sample ID: 480-107100-7 Client Sample ID: SS7-22

Date Analyzed: 10/08/16 17:37 Lab File ID: 12_374m_324.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.06	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 2	4.36	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 3	4.45	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 4	4.59	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 5	5.02	Baseline Smoothing	owenj	10/10/16 12:56

Lab Sample ID: 480-107100-8 Client Sample ID: SS7-23

Date Analyzed: 10/08/16 17:52 Lab File ID: 12_374m_325.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 2	3.23	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 4	3.59	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:56

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 324559

Lab Sample ID: 480-107100-8 Client Sample ID: SS7-23

Date Analyzed: 10/08/16 17:52 Lab File ID: 12_374m_325.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	4.06	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 2	4.36	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 3	4.45	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 4	4.59	Baseline Smoothing	owenj	10/10/16 12:56
PCB-1254 Peak 5	5.02	Baseline Smoothing	owenj	10/10/16 12:56

Lab Sample ID: 480-107100-9 Client Sample ID: SS7-24

Date Analyzed: 10/08/16 18:07 Lab File ID: 12_374m_326.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 2	3.23	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 4	3.59	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:57

Lab Sample ID: 480-107100-12 Client Sample ID: SS7-27

Date Analyzed: 10/08/16 18:53 Lab File ID: 12_374m_329.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	2.97	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 2	3.23	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 3	3.40	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 4	3.59	Baseline Smoothing	owenj	10/10/16 12:57
PCB-1254 Peak 5	3.77	Baseline Smoothing	owenj	10/10/16 12:57

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/3 Client Sample ID:

Date Analyzed: 09/15/16 20:00 Lab File ID: 6_10-147.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.15	Split Peak	sobolk	09/16/16 19:01

Lab Sample ID: IC 480-320599/4 Client Sample ID:

Date Analyzed: 09/15/16 20:16 Lab File ID: 6_10-148.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	5.04	Incomplete Integration	sobolk	09/16/16 18:54
PCB-1260 Peak 2	5.17	Incomplete Integration	sobolk	09/16/16 18:54
PCB-1260 Peak 3	5.36	Incomplete Integration	sobolk	09/16/16 18:54
PCB-1260 Peak 4	5.56	Incomplete Integration	sobolk	09/16/16 18:54
PCB-1260 Peak 5	5.80	Incomplete Integration	sobolk	09/16/16 18:54

Lab Sample ID: IC 480-320599/7 Client Sample ID:

Date Analyzed: 09/15/16 21:04 Lab File ID: 6_10-151.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.77	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 3	3.14	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 4	3.22	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 5	3.29	Baseline Smoothing	sobolk	09/16/16 18:53

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/7 Client Sample ID:

Date Analyzed: 09/15/16 21:04 Lab File ID: 6_10-151.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.59	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 2	2.92	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 3	3.04	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 4	3.14	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1016 Peak 5	3.42	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1260 Peak 1	4.82	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1260 Peak 2	4.87	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1260 Peak 3	5.13	Baseline Smoothing	sobolk	09/16/16 18:53
PCB-1260 Peak 4	5.27	Split Peak	sobolk	09/16/16 18:54
PCB-1260 Peak 5	5.61	Baseline Smoothing	sobolk	09/16/16 18:53

Lab Sample ID: IC 480-320599/8 Client Sample ID:

Date Analyzed: 09/15/16 21:20 Lab File ID: 6_10-152.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.15	Incomplete Integration	sobolk	09/16/16 19:00
PCB-1016 Peak 1	2.77	Baseline Smoothing	sobolk	09/16/16 18:55
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	09/16/16 18:55
PCB-1016 Peak 3	3.14	Baseline Smoothing	sobolk	09/16/16 18:55
PCB-1016 Peak 4	3.22	Baseline Smoothing	sobolk	09/16/16 18:55
PCB-1016 Peak 5	3.29	Baseline Smoothing	sobolk	09/16/16 18:55

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/8 Client Sample ID:

Date Analyzed: 09/15/16 21:20 Lab File ID: 6_10-152.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	1.81	Incomplete Integration	sobolk	09/16/16 19:00
PCB-1016 Peak 1	2.59	Baseline Smoothing	sobolk	09/16/16 18:55
PCB-1016 Peak 2	2.92	Incomplete Integration	sobolk	09/16/16 18:55
PCB-1016 Peak 3	3.04	Baseline Smoothing	sobolk	09/16/16 18:55
PCB-1016 Peak 4	3.14	Baseline Smoothing	sobolk	09/16/16 18:55
PCB-1016 Peak 5	3.42	Baseline Smoothing	sobolk	09/16/16 18:55

Lab Sample ID: IC 480-320599/9 Client Sample ID:

Date Analyzed: 09/15/16 21:36 Lab File ID: 6_10-153.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.77	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1016 Peak 2	2.93	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1016 Peak 3	3.14	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1016 Peak 4	3.23	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1016 Peak 5	3.29	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1260 Peak 1	5.03	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1260 Peak 2	5.17	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1260 Peak 3	5.36	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1260 Peak 4	5.56	Baseline Smoothing	sobolk	09/16/16 18:56
PCB-1260 Peak 5	5.80	Baseline Smoothing	sobolk	09/16/16 18:56

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/9 Client Sample ID:

Date Analyzed: 09/15/16 21:36 Lab File ID: 6_10-153.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.82	Split Peak	sobolk	09/16/16 18:56
PCB-1260 Peak 2	4.87	Split Peak	sobolk	09/16/16 18:56
PCB-1260 Peak 3	5.13	Split Peak	sobolk	09/16/16 18:56
PCB-1260 Peak 4	5.27	Split Peak	sobolk	09/16/16 18:56
PCB-1260 Peak 5	5.60	Split Peak	sobolk	09/16/16 18:56

Lab Sample ID: IC 480-320599/15 Client Sample ID:

Date Analyzed: 09/15/16 23:12 Lab File ID: 6_10-159.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.17	Incomplete Integration	sobolk	09/16/16 21:18
PCB-1221 Peak 1	1.67	Baseline Smoothing	sobolk	09/16/16 21:25
PCB-1221 Peak 2	2.30	Baseline Smoothing	sobolk	09/16/16 21:25
PCB-1221 Peak 3	2.38	Baseline Smoothing	sobolk	09/16/16 21:25
PCB-1221 Peak 4	2.43	Baseline Smoothing	sobolk	09/16/16 21:25
PCB-1254 Peak 1	4.13	Baseline Smoothing	sobolk	09/16/16 21:11
PCB-1254 Peak 2	4.43	Baseline Smoothing	sobolk	09/16/16 21:11
PCB-1254 Peak 3	4.63	Baseline Smoothing	sobolk	09/16/16 21:11
PCB-1254 Peak 4	4.85	Baseline Smoothing	sobolk	09/16/16 21:11
PCB-1254 Peak 5	5.04	Baseline Smoothing	sobolk	09/16/16 21:11

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/16 Client Sample ID:

Date Analyzed: 09/15/16 23:28 Lab File ID: 6_10-160.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.17	Baseline Smoothing	sobolk	09/16/16 21:18
PCB-1221 Peak 1	1.67	Baseline Smoothing	sobolk	09/16/16 21:25
PCB-1221 Peak 2	2.30	Baseline Smoothing	sobolk	09/16/16 21:24
PCB-1221 Peak 3	2.38	Baseline Smoothing	sobolk	09/16/16 21:24
PCB-1221 Peak 4	2.43	Baseline Smoothing	sobolk	09/16/16 21:24

Lab Sample ID: IC 480-320599/17 Client Sample ID:

Date Analyzed: 09/15/16 23:44 Lab File ID: 6_10-161.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Baseline Smoothing	sobolk	09/16/16 21:22
PCB-1221 Peak 1	1.67	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1221 Peak 2	2.30	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1221 Peak 3	2.38	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1221 Peak 4	2.43	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1254 Peak 1	4.12	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1254 Peak 2	4.43	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1254 Peak 3	4.63	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1254 Peak 4	4.85	Baseline Smoothing	sobolk	09/16/16 21:26
PCB-1254 Peak 5	5.04	Baseline Smoothing	sobolk	09/16/16 21:26

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/17 Client Sample ID:

Date Analyzed: 09/15/16 23:44 Lab File ID: 6_10-161.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	1.51	Baseline Smoothing	sobolk	09/16/16 21:12
PCB-1221 Peak 2	2.09	Baseline Smoothing	sobolk	09/16/16 21:12
PCB-1221 Peak 3	2.20	Baseline Smoothing	sobolk	09/16/16 21:12
PCB-1221 Peak 4	2.25	Baseline Smoothing	sobolk	09/16/16 21:12

Lab Sample ID: IC 480-320599/21 Client Sample ID:

Date Analyzed: 09/16/16 00:48 Lab File ID: 6_10-165.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.43	Baseline Smoothing	sobolk	09/16/16 21:46
PCB-1232 Peak 2	2.92	Baseline Smoothing	sobolk	09/16/16 21:46
PCB-1232 Peak 3	3.14	Baseline Smoothing	sobolk	09/16/16 21:46
PCB-1232 Peak 4	3.23	Baseline Smoothing	sobolk	09/16/16 21:46
PCB-1232 Peak 5	3.29	Baseline Smoothing	sobolk	09/16/16 21:46
PCB-1262 Peak 1	5.17	Baseline Smoothing	sobolk	09/16/16 21:52
PCB-1262 Peak 2	5.36	Baseline Smoothing	sobolk	09/16/16 21:52
PCB-1262 Peak 3	5.56	Baseline Smoothing	sobolk	09/16/16 21:52
PCB-1262 Peak 4	5.86	Baseline Smoothing	sobolk	09/16/16 21:52
PCB-1262 Peak 5	5.91	Baseline Smoothing	sobolk	09/16/16 21:52

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/21 Client Sample ID:

Date Analyzed: 09/16/16 00:48 Lab File ID: 6_10-165.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	2.25	Split Peak	sobolk	09/16/16 21:46
PCB-1232 Peak 2	2.59	Split Peak	sobolk	09/16/16 21:46
PCB-1232 Peak 3	2.92	Split Peak	sobolk	09/16/16 21:46
PCB-1232 Peak 4	3.04	Split Peak	sobolk	09/16/16 21:46
PCB-1232 Peak 5	3.13	Split Peak	sobolk	09/16/16 21:46
PCB-1262 Peak 1	4.87	Split Peak	sobolk	09/16/16 21:46
PCB-1262 Peak 2	5.13	Split Peak	sobolk	09/16/16 21:46
PCB-1262 Peak 3	5.27	Split Peak	sobolk	09/16/16 21:46
PCB-1262 Peak 4	5.57	Split Peak	sobolk	09/16/16 21:46
PCB-1262 Peak 5	5.61	Split Peak	sobolk	09/16/16 21:46

Lab Sample ID: IC 480-320599/24 Client Sample ID:

Date Analyzed: 09/16/16 01:36 Lab File ID: 6_10-168.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Bromo-2-nitrobenzene	1.16	Incomplete Integration	sobolk	09/16/16 23:26

Lab Sample ID: IC 480-320599/25 Client Sample ID:

Date Analyzed: 09/16/16 01:52 Lab File ID: 6_10-169.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	3.14	Baseline Smoothing	sobolk	09/16/16 23:27
PCB-1242 Peak 2	3.23	Baseline Smoothing	sobolk	09/16/16 23:27
PCB-1242 Peak 3	3.70	Baseline Smoothing	sobolk	09/16/16 23:27
PCB-1242 Peak 4	3.94	Split Peak	sobolk	09/16/16 23:27
PCB-1242 Peak 5	4.09	Split Peak	sobolk	09/16/16 23:27

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 320599

Lab Sample ID: IC 480-320599/25 Client Sample ID:

Date Analyzed: 09/16/16 01:52 Lab File ID: 6_10-169.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	2.92	Baseline Smoothing	sobolk	09/16/16 23:27
PCB-1242 Peak 2	3.04	Baseline Smoothing	sobolk	09/16/16 23:27
PCB-1242 Peak 3	3.43	Baseline Smoothing	sobolk	09/16/16 23:27
PCB-1242 Peak 4	3.67	Baseline Smoothing	sobolk	09/16/16 23:27
PCB-1242 Peak 5	3.93	Baseline Smoothing	sobolk	09/16/16 23:27

Lab Sample ID: IC 480-320599/29 Client Sample ID:

Date Analyzed: 09/16/16 02:56 Lab File ID: 6_10-173.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.41	Baseline Smoothing	sobolk	09/19/16 18:48
PCB-1248 Peak 2	3.69	Baseline Smoothing	sobolk	09/19/16 18:48
PCB-1248 Peak 3	3.90	Baseline Smoothing	sobolk	09/19/16 18:48
PCB-1248 Peak 4	3.94	Baseline Smoothing	sobolk	09/19/16 18:48
PCB-1248 Peak 5	4.08	Baseline Smoothing	sobolk	09/19/16 18:48

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 324833

Lab Sample ID: LCS 480-324647/2-A Client Sample ID:

Date Analyzed: 10/11/16 01:21 Lab File ID: 6_11-215.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	2.75	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1016 Peak 2	2.90	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1016 Peak 3	3.12	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1016 Peak 4	3.20	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1016 Peak 5	3.27	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1260 Peak 1	5.01	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1260 Peak 2	5.14	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1260 Peak 3	5.33	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1260 Peak 4	5.53	Baseline Smoothing	sobolk	10/11/16 01:53
PCB-1260 Peak 5	5.77	Baseline Smoothing	sobolk	10/11/16 01:53

Lab Sample ID: CCV 480-324833/12 Client Sample ID:

Date Analyzed: 10/11/16 03:15 Lab File ID: 6_11-222.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	2.14	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1016 Peak 1	2.75	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1016 Peak 2	2.90	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1016 Peak 3	3.12	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1016 Peak 4	3.20	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1016 Peak 5	3.26	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1260 Peak 1	5.01	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1260 Peak 2	5.14	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1260 Peak 3	5.33	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1260 Peak 4	5.53	Baseline Smoothing	sobolk	10/11/16 03:30
PCB-1260 Peak 5	5.77	Baseline Smoothing	sobolk	10/11/16 03:30

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 324833

Lab Sample ID: CCV 480-324833/16 Client Sample ID:

Date Analyzed: 10/11/16 04:19 Lab File ID: 6_11-226.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	3.16	Incomplete Integration	sobolk	10/11/16 04:34
PCB-1248 Peak 2	3.40	Incomplete Integration	sobolk	10/11/16 04:34
PCB-1248 Peak 3	3.65	Incomplete Integration	sobolk	10/11/16 04:34
PCB-1248 Peak 4	3.70	Incomplete Integration	sobolk	10/11/16 04:34
PCB-1248 Peak 5	3.90	Incomplete Integration	sobolk	10/11/16 04:34

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
1248+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	1-Br-2-nitSTK_00010	25 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00010	02/25/17	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
1248+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	AR_1248_STK_00003	25 uL	PCB-1248	0.5 ug/mL
.AR_1248_STK_00003	12/30/16	RESTEK, Lot A0110957			(Purchased Reagent)		PCB-1248	1000 ug/mL
1248w/IS@ .02_00004	12/30/16	09/07/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1248 10_00005	20 uL	PCB-1248 Peak 1	0.02 ug/mL
							PCB-1248 Peak 2	0.02 ug/mL
							PCB-1248 Peak 3	0.02 ug/mL
							PCB-1248 Peak 4	0.02 ug/mL
							PCB-1248 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1248 10_00005	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1248_STK_00003	100 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..AR_1248_STK_00003	12/30/16	RESTEK, Lot A0110957			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
1248w/IS@ 0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1248 10_00004	500 uL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1248 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1248_STK_00002	100 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..AR_1248_STK_00002	06/30/16	RESTEK, Lot A0103107			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
1248w/IS@ 0.5_00007	12/30/16	09/07/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1248 10_00005	500 uL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1248 10_00005	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1248_STK_00003	100 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..AR_1248_STK_00003	12/30/16	RESTEK, Lot A0110957			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
1248w/IS@ 2.0_00004	12/30/16	09/07/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1248 10_00005	2000 uL	PCB-1248 Peak 1	2 ug/mL
							PCB-1248 Peak 2	2 ug/mL
							PCB-1248 Peak 3	2 ug/mL
							PCB-1248 Peak 4	2 ug/mL
							PCB-1248 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1248 10_00005	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1248_STK_00003	100 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..AR_1248_STK_00003	12/30/16	RESTEK, Lot A0110957			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
1660sur/is.02_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	20 uL	DCB Decachlorobiphenyl	0.0005 ug/mL
							Tetrachloro-m-xylene	0.0005 ug/mL
							PCB-1016 Peak 1	0.02 ug/mL
							PCB-1016 Peak 2	0.02 ug/mL
							PCB-1016 Peak 3	0.02 ug/mL
							PCB-1016 Peak 4	0.02 ug/mL
							PCB-1016 Peak 5	0.02 ug/mL
							PCB-1260 Peak 1	0.02 ug/mL
							PCB-1260 Peak 2	0.02 ug/mL
							PCB-1260 Peak 3	0.02 ug/mL
							PCB-1260 Peak 4	0.02 ug/mL
							PCB-1260 Peak 5	0.02 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is.02_00004	12/08/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00007	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00005	20 uL	DCB Decachlorobiphenyl	0.0005 ug/mL
							Tetrachloro-m-xylene	0.0005 ug/mL
							PCB-1016 Peak 1	0.02 ug/mL
							PCB-1016 Peak 2	0.02 ug/mL
							PCB-1016 Peak 3	0.02 ug/mL
							PCB-1016 Peak 4	0.02 ug/mL
							PCB-1016 Peak 5	0.02 ug/mL
							PCB-1260 Peak 1	0.02 ug/mL
							PCB-1260 Peak 2	0.02 ug/mL
							PCB-1260 Peak 3	0.02 ug/mL
							PCB-1260 Peak 4	0.02 ug/mL
							PCB-1260 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00007	12/08/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00005	12/09/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	8082_SURG.STK_00013	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00029	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00013	12/09/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00029	12/09/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is.05_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	50 uL	DCB Decachlorobiphenyl	0.00125 ug/mL
							Tetrachloro-m-xylene	0.00125 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
.1-Br-2-nitSTK_00003	08/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..AR_1660_STK_00026	06/10/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is.05_00004	12/08/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00007	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00005	50 uL	DCB Decachlorobiphenyl	0.00125 ug/mL
							Tetrachloro-m-xylene	0.00125 ug/mL
							PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
.1-Br-2-nitSTK_00007	12/08/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00005	12/09/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	8082_SURG.STK_00013	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00029	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00013	12/09/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00029	12/09/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.1_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	100 uL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
							PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.1_00005	12/08/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00007	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00005	100 uL	DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
							PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
.1-Br-2-nitSTK_00007	12/08/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00005	12/09/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	8082_SURG.STK_00013	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00029	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00013	12/09/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00029	12/09/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.2_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	200 uL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
							PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.2_00004	12/08/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00007	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00005	200 uL	DCB Decachlorobiphenyl	0.005 ug/mL
							Tetrachloro-m-xylene	0.005 ug/mL
							PCB-1016 Peak 1	0.2 ug/mL
							PCB-1016 Peak 2	0.2 ug/mL
							PCB-1016 Peak 3	0.2 ug/mL
							PCB-1016 Peak 4	0.2 ug/mL
							PCB-1016 Peak 5	0.2 ug/mL
							PCB-1260 Peak 1	0.2 ug/mL
							PCB-1260 Peak 2	0.2 ug/mL
							PCB-1260 Peak 3	0.2 ug/mL
							PCB-1260 Peak 4	0.2 ug/mL
							PCB-1260 Peak 5	0.2 ug/mL
.1-Br-2-nitSTK_00007	12/08/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00005	12/09/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	8082_SURG.STK_00013	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00029	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00013	12/09/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00029	12/09/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.5_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	500 uL	DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..AR_1660_STK_00026	06/10/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is0.5_00004	12/08/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00007	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00005	500 uL	DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00007	12/08/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00005	12/09/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	8082_SURG.STK_00013	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00029	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00013	12/09/16		RESTEK, Lot A0108779		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00029	12/09/16		RESTEK, Lot A099855		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is1.0_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	1000 uL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is1.0_00005	12/08/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00007	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00005	1000 uL	DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
.1-Br-2-nitSTK_00007	12/08/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00005	12/09/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	8082_SURG.STK_00013	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00029	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00013	12/09/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00029	12/09/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is2.0_00003	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00004	2000 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
							PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00004	06/10/16	03/24/16	HEXANE, Lot TALS # 3186041	10 mL	8082_SURG.STK_00015	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00026	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00015	06/10/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00026	06/10/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
1660sur/is2.0_00004	12/08/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00007	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					AR1660 10ng_00005	2000 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
							PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1016 Peak 5	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							PCB-1260 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00007	12/08/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.AR1660 10ng_00005	12/09/16	09/01/16	HEXANE, Lot TALS # 3566388	10 mL	8082_SURG.STK_00013	12.5 uL	DCB Decachlorobiphenyl	0.25 ug/mL
							Tetrachloro-m-xylene	0.25 ug/mL
					AR_1660_STK_00029	100 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..8082_SURG.STK_00013	12/09/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
..AR_1660_STK_00029	12/09/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
21-54+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	1-Br-2-nitSTK_00010	25 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00010	02/25/17	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
21-54+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	AR_1254_STK_00002	25 uL	PCB-1254	0.5 ug/mL
					AR1221_STK_00017	25 uL	PCB-1221	0.5 ug/mL
.AR_1254_STK_00002	12/30/16	RESTEK, Lot A0112456			(Purchased Reagent)		PCB-1254	1000 ug/mL
.AR1221_STK_00017	12/30/16	RESTEK, Lot A0105286			(Purchased Reagent)		PCB-1221	1000 ug/mL
21-54w/IS@.02_00004	12/30/16	09/01/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1221-1254 10_00005	20 uL	PCB-1254 Peak 1	0.02 ug/mL
							PCB-1254 Peak 2	0.02 ug/mL
							PCB-1254 Peak 3	0.02 ug/mL
							PCB-1254 Peak 4	0.02 ug/mL
							PCB-1254 Peak 5	0.02 ug/mL
							PCB-1221 Peak 1	0.02 ug/mL
							PCB-1221 Peak 2	0.02 ug/mL
							PCB-1221 Peak 3	0.02 ug/mL
							PCB-1221 Peak 4	0.02 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1221-1254 10_00005	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1254_STK_00002	100 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
					AR1221_STK_00017	100 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
							PCB-1221 Peak 4	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..AR_1254_STK_00002	12/30/16		RESTEK, Lot A0112456		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..AR1221_STK_00017	12/30/16		RESTEK, Lot A0105286		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
21-54w/IS@0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1221-1254 10_00004	500 uL	PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
							PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1221-1254 10_00004	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1254_STK_00001	100 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
					AR1221_STK_00016	100 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
..AR_1254_STK_00001	06/30/16		RESTEK, Lot A0102227		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..AR1221_STK_00016	06/30/16		RESTEK, Lot A0105286		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
21-54w/IS@0.5_00007	12/30/16	09/01/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1221-1254 10_00005	500 uL	PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
							PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL
							PCB-1221 Peak 4	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1221-1254 10_00005	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1254_STK_00002	100 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
					AR1221_STK_00017	100 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
							PCB-1221 Peak 4	10 ug/mL
..AR_1254_STK_00002	12/30/16		RESTEK, Lot A0112456		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..AR1221_STK_00017	12/30/16		RESTEK, Lot A0105286		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
21-54w/IS@2.0_00005	12/30/16	09/01/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1221-1254 10_00005	2000 uL	PCB-1254 Peak 1	2 ug/mL
							PCB-1254 Peak 2	2 ug/mL
							PCB-1254 Peak 3	2 ug/mL
							PCB-1254 Peak 4	2 ug/mL
							PCB-1254 Peak 5	2 ug/mL
							PCB-1221 Peak 1	2 ug/mL
							PCB-1221 Peak 2	2 ug/mL
							PCB-1221 Peak 3	2 ug/mL
							PCB-1221 Peak 4	2 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1221-1254 10_00005	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1254_STK_00002	100 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
					AR1221_STK_00017	100 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
							PCB-1221 Peak 4	10 ug/mL
..AR_1254_STK_00002	12/30/16		RESTEK, Lot A0112456		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
..AR1221_STK_00017	12/30/16		RESTEK, Lot A0105286		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
32-62+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	1-Br-2-nitSTK_00010	25 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00010	02/25/17	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
32-62+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	AR_1232_STK_00003	25 uL	PCB-1232	0.5 ug/mL
.AR_1232_STK_00003	12/30/16	RESTEK, Lot A097542			(Purchased Reagent)		PCB-1232	1000 ug/mL
32-62w/IS@.02_00004	12/30/16	09/01/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1232-1262 10_00004	20 uL	PCB-1232 Peak 1	0.02 ug/mL
							PCB-1232 Peak 2	0.02 ug/mL
							PCB-1232 Peak 3	0.02 ug/mL
							PCB-1232 Peak 4	0.02 ug/mL
							PCB-1232 Peak 5	0.02 ug/mL
							PCB-1262 Peak 1	0.02 ug/mL
							PCB-1262 Peak 2	0.02 ug/mL
							PCB-1262 Peak 3	0.02 ug/mL
							PCB-1262 Peak 4	0.02 ug/mL
							PCB-1262 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1232-1262 10_00004	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1232_STK_00003	100 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
					AR_1262_STK_00003	100 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
..AR_1232_STK_00003	12/30/16	RESTEK, Lot A097542			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_STK_00003	12/30/16	restek, Lot A0113548			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
32-62w/IS@0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3186041	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1232-1262 10_00003	500 uL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
							PCB-1262 Peak 1	0.5 ug/mL
							PCB-1262 Peak 2	0.5 ug/mL
							PCB-1262 Peak 3	0.5 ug/mL
							PCB-1262 Peak 4	0.5 ug/mL
							PCB-1262 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1232-1262 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1232_STK_00002	100 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
					AR_1262_STK_00002	100 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
..AR_1232_STK_00002	06/30/16	RESTEK, Lot A097542			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_STK_00002	06/30/16	restek, Lot A0104763			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
32-62w/IS@0.5_00007	12/30/16	09/01/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1232-1262 10_00004	500 uL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
							PCB-1262 Peak 1	0.5 ug/mL
							PCB-1262 Peak 2	0.5 ug/mL
							PCB-1262 Peak 3	0.5 ug/mL
							PCB-1262 Peak 4	0.5 ug/mL
							PCB-1262 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1232-1262 10_00004	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1232_STK_00003	100 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					AR_1262_STK_00003	100 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
..AR_1232_STK_00003	12/30/16		RESTEK, Lot A097542		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_STK_00003	12/30/16		restek, Lot A0113548		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
32-62w/IS@2.0_00004	12/30/16	09/01/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1232-1262 10_00004	2000 uL	PCB-1232 Peak 1	2 ug/mL
							PCB-1232 Peak 2	2 ug/mL
							PCB-1232 Peak 3	2 ug/mL
							PCB-1232 Peak 4	2 ug/mL
							PCB-1232 Peak 5	2 ug/mL
							PCB-1262 Peak 1	2 ug/mL
							PCB-1262 Peak 2	2 ug/mL
							PCB-1262 Peak 3	2 ug/mL
							PCB-1262 Peak 4	2 ug/mL
							PCB-1262 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00008	12/30/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1232-1262 10_00004	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1232_STK_00003	100 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
					AR_1262_STK_00003	100 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
..AR_1232_STK_00003	12/30/16		RESTEK, Lot A097542		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_STK_00003	12/30/16		restek, Lot A0113548		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 5	1000 ug/mL
42-68+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	1-Br-2-nitSTK_00010	25 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00010	02/25/17	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
42-68+IS CCV_00002	12/30/16	08/29/16	Hexane, Lot TALS # 3566388	50 mL	AR_1242_STD_00002	25 uL	PCB-1242	0.5 ug/mL
.AR_1242_STD_00002	12/30/16	RESTEK, Lot A0112462			(Purchased Reagent)		PCB-1242	1000 ug/mL
42-68w/IS@.02_00004	12/30/16	09/07/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1242-1268 10_00004	20 uL	PCB-1242 Peak 1	0.02 ug/mL
							PCB-1242 Peak 2	0.02 ug/mL
							PCB-1242 Peak 3	0.02 ug/mL
							PCB-1242 Peak 4	0.02 ug/mL
							PCB-1242 Peak 5	0.02 ug/mL
							PCB-1268 Peak 1	0.02 ug/mL
							PCB-1268 Peak 2	0.02 ug/mL
							PCB-1268 Peak 3	0.02 ug/mL
							PCB-1268 Peak 4	0.02 ug/mL
							PCB-1268 Peak 5	0.02 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1242-1268 10_00004	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1242_STD_00002	100 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
					AR_1268_STK_00001	100 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..AR_1242_STD_00002	12/30/16	RESTEK, Lot A0112462			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_STK_00001	12/30/16	restek, Lot A0110266			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
42-68w/IS@0.5_00003	06/30/16	03/25/16	Hexane, Lot TALS # 3269773	10 mL	1-Br-2-nitSTK_00003	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1242-1268 10_00003	500 uL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 5	0.5 ug/mL
							PCB-1268 Peak 1	0.5 ug/mL
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
							PCB-1268 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00003	08/18/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1242-1268 10_00003	06/30/16	01/26/16	Hexane, Lot 0000120832	10 mL	AR_1242_STD_00001	100 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
					AR1268 STK_00016	100 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..AR_1242_STD_00001	06/30/16	RESTEK, Lot A099373			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR1268 STK_00016	06/30/16	restek, Lot a097795			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
42-68w/IS@0.5_00007	12/30/16	09/07/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1242-1268 10_00004	500 uL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
							PCB-1268 Peak 1	0.5 ug/mL
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
							PCB-1268 Peak 5	0.5 ug/mL
.1-Br-2-nitSTK_00008	12/30/16	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1242-1268 10_00004	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1242_STD_00002	100 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
					AR_1268_STK_00001	100 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..AR_1242_STD_00002	12/30/16		RESTEK, Lot A0112462		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_STK_00001	12/30/16		restek, Lot A0110266		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
42-68w/IS@2.0_00004	12/30/16	09/07/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00008	5 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
					1242-1268 10_00004	2000 uL	PCB-1242 Peak 1	2 ug/mL
							PCB-1242 Peak 2	2 ug/mL
							PCB-1242 Peak 3	2 ug/mL
							PCB-1242 Peak 4	2 ug/mL
							PCB-1242 Peak 5	2 ug/mL
							PCB-1268 Peak 1	2 ug/mL
							PCB-1268 Peak 2	2 ug/mL
							PCB-1268 Peak 3	2 ug/mL
							PCB-1268 Peak 4	2 ug/mL
							PCB-1268 Peak 5	2 ug/mL
.1-Br-2-nitSTK_00008	12/30/16		Absolute Standards, Lot 061314		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
.1242-1268 10_00004	12/30/16	06/30/16	Hexane, Lot TALS # 3466885	10 mL	AR_1242_STD_00002	100 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
					AR_1268_STK_00001	100 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..AR_1242_STD_00002	12/30/16		RESTEK, Lot A0112462		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_STK_00001	12/30/16		restek, Lot A0110266		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
AR1660_0.5+IS_00006	12/09/16	09/26/16	HEXANE, Lot TALS # 3566388	50 mL	1-Br-2-nitSTK_00010	25 uL	1-Bromo-2-nitrobenzene	0.5 ug/mL
.1-Br-2-nitSTK_00010	02/25/17	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
AR1660_0.5+IS_00006	12/09/16	09/26/16	HEXANE, Lot TALS # 3566388	50 mL	8082_SURG.STK_00013	7.5 uL	DCB Decachlorobiphenyl	0.03 ug/mL
							Tetrachloro-m-xylene	0.03 ug/mL
					AR_1660_STK_00029	25 uL	PCB-1016	0.5 ug/mL
							PCB-1260	0.5 ug/mL
.8082_SURG.STK_00013	12/09/16	RESTEK, Lot A0108779			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.AR_1660_STK_00029	12/09/16	RESTEK, Lot A099855			(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
O_608PCBSpike_00012	04/06/17	10/06/16	Methanol, Lot 3519585	1000 mL	O_PCB-Aroclor_00012	1 mL	PCB-1016	1 ug/mL
							PCB-1260	1 ug/mL
.O_PCB-Aroclor_00012	02/28/22	Restek, Lot A0115663			(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
O_8081/82surr_00092	03/29/17	09/29/16	Methanol, Lot 3519585	1000 mL	O_pest/pcbsur_00013	1 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.O_pest/pcbsur_00013	06/30/22	Restek, Lot A0117947			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
O_8082spike_00053	02/17/17	08/17/16	Methanol, Lot 3519587	200 mL	O_PCB-Aroclor_00012	1 mL	PCB-1016	5 ug/mL
							PCB-1260	5 ug/mL
.O_PCB-Aroclor_00012	02/28/22	Restek, Lot A0115663			(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
O_PCBLLsurr_00038	01/15/17	07/15/16	Methanol, Lot 3468428	1000 mL	O_pest/pcbsur_00013	200 uL	DCB Decachlorobiphenyl	0.04 ug/mL
							Tetrachloro-m-xylene	0.04 ug/mL
.O_pest/pcbsur_00013	06/30/22	Restek, Lot A0117947			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
PCB IS 1B2NB_00015	02/25/17	09/26/16	Hexane, Lot TALS # 3566388	10 mL	1-Br-2-nitSTK_00010	250 uL	1-Bromo-2-nitrobenzene	25 ug/mL
.1-Br-2-nitSTK_00010	02/25/17	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
PCB IS 1B2NB_00016	04/10/17	10/10/16	Hexane, Lot 0000145311	10 mL	1-Br-2-nitSTK_00011	250 uL	1-Bromo-2-nitrobenzene	25 ug/mL
.1-Br-2-nitSTK_00011	04/10/17	Absolute Standards, Lot 061314			(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL

Reagent

1-Br-2-nitSTK_00003

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

2564331
ID: 1-Br-2-nitSTK_00002
Exp: 06/13/19 Prpd: KS
1-Bromo-2-nitrobenzene IS

Certified Reference Material CRM

2564323
ID: 1-Br-2-nitSTK_00001
Exp: 06/13/19 Prpd: DLE
1-Bromo-2-nitrobenzene IS

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

2564332
ID: 1-Br-2-nitSTK_00003
Exp: 06/13/19 Prpd: KS
1-Bromo-2-nitrobenzene IS

Part Number: 79210
Lot Number: 061314
Description: 1-Bromo-2-nitrobenzene

Lot #
Solvent(s): 48843 Hexane

CAS ND
(577-49-5)

Expiration Date: 061319
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to: 25.0 0.003 Flask Uncertainty

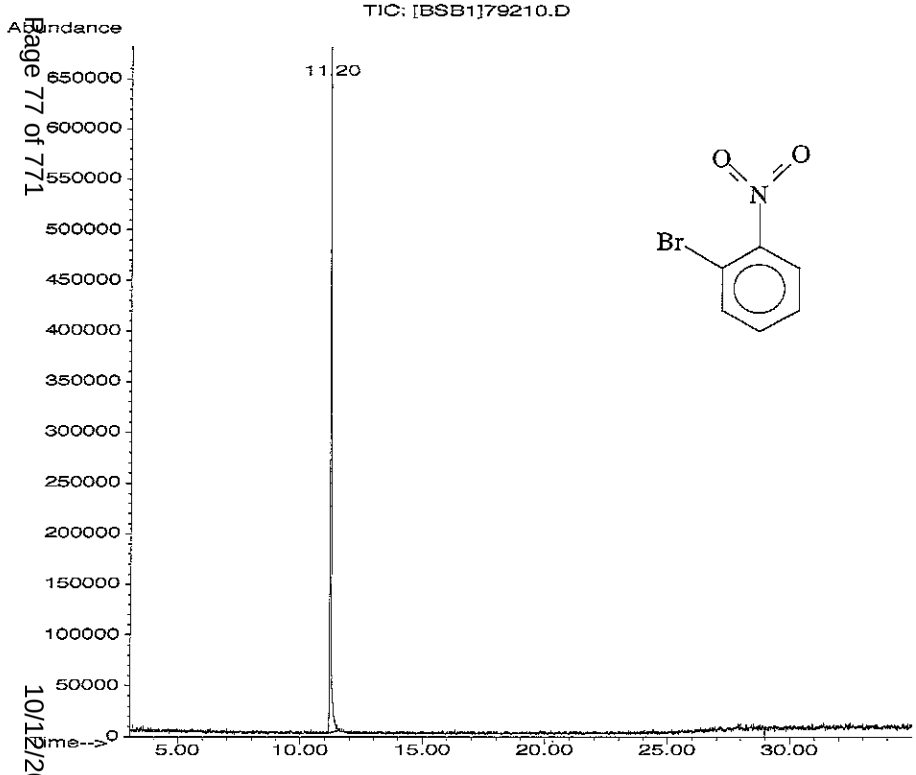
Paul Barron 061314
Formulated By: Paul Barron DATE

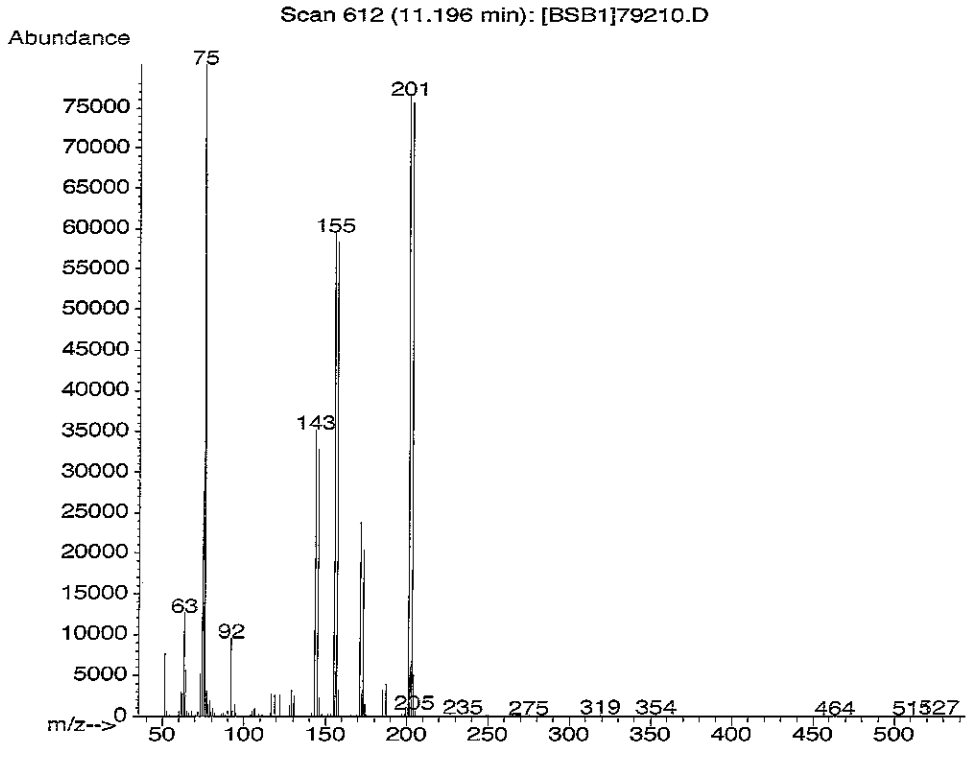
Pedro Rentas 061314
Reviewed By: Pedro L. Rentas DATE

MSDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty	CAS#	OSHA PEL (TWA)	LD50
1. 1-Bromo-2-nitrobenzene	1673	11006ES	1000	98	0.2	0.02551	0.02555	1001.7	0.0057	00577-19-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.



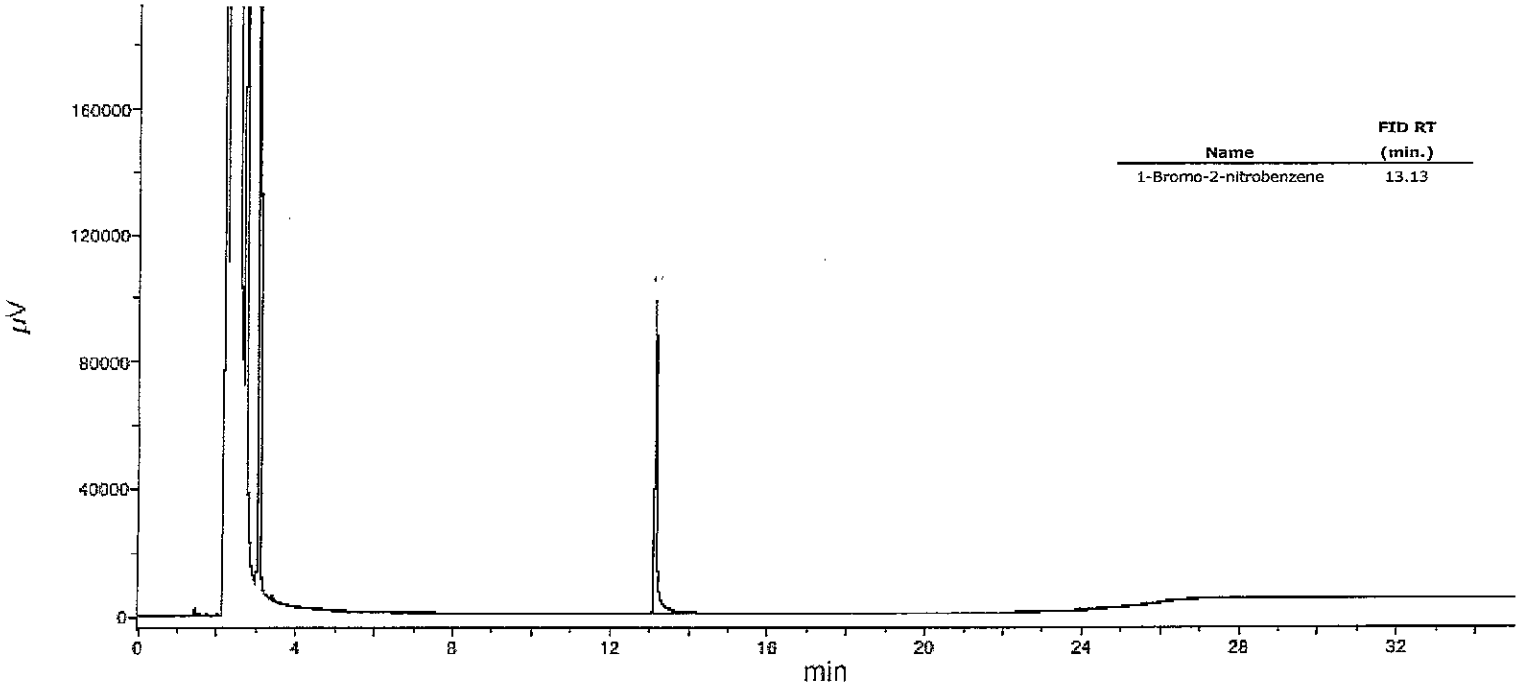


Page 77 of 771
10/12/2016

Run 24, "P79210 L061314 [1000µg/mL in Hexane]"

Run Length: 34.99 min, 20997 points at 10 points/second.
Created: Sat, Jun 14, 2014 at 7:40:46 AM.
Sampled: Sequence "061314-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments
GC9M1 Analysis by Candice Warren
SPB-5 30 meter x 0.53 µm x 1.5 df
Flow Rates; Total Flow = 300 mL/min, Helium (carrier)=6mL, Helium (makeup)=25mL,
Hydrogen (detector)=30, Air (detector)=360, Oven Temp 1 = 50 C (1 min)
Rate = 10 C/min, Oven Temp 2 = 300 (9 min), Total Run Time=35 min.
Injector Temp = 200 C, FID Temp = 300 C, FID Signal = Edaq Channel 1
Gas Chromatograph = HP5890, Standard Injection = 0.5 uL, Range =4



Name	FID RT (min.)
1-Bromo-2-nitrobenzene	13.13

Reagent

1-Br-2-nitSTK_00007

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79210
Lot Number: 061314
Description: 1-Bromo-2-nitrobenzene

Expiration Date: 061319
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000

Solvent(s):	Lot#
Hexane	48843

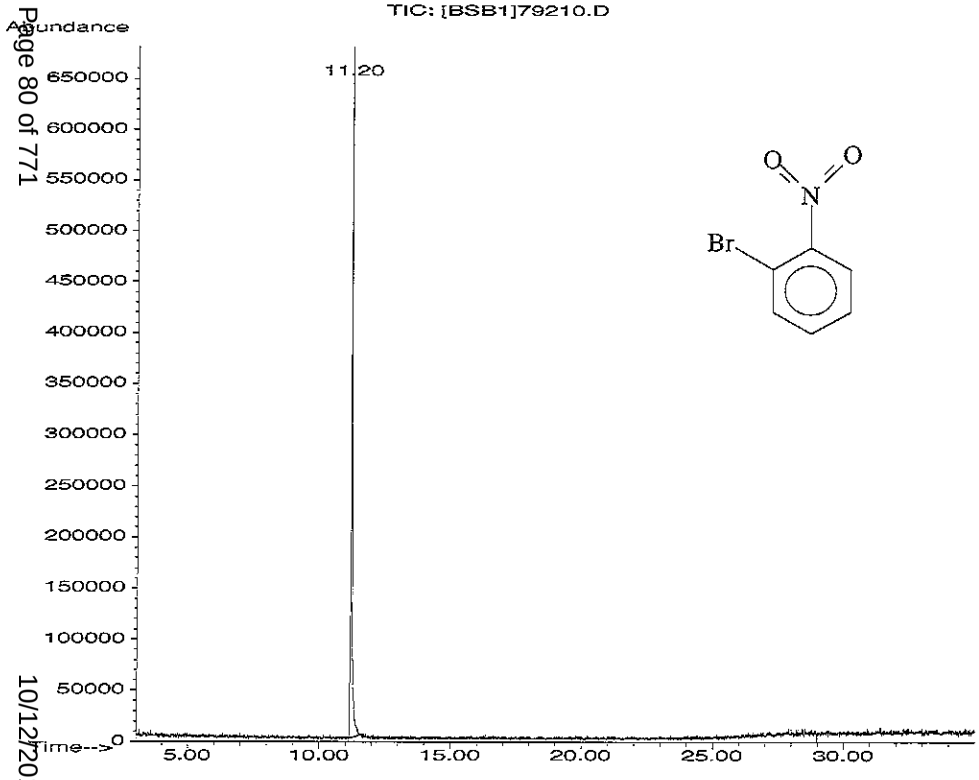
Formulated By: Paul Barron — 061314 DATE

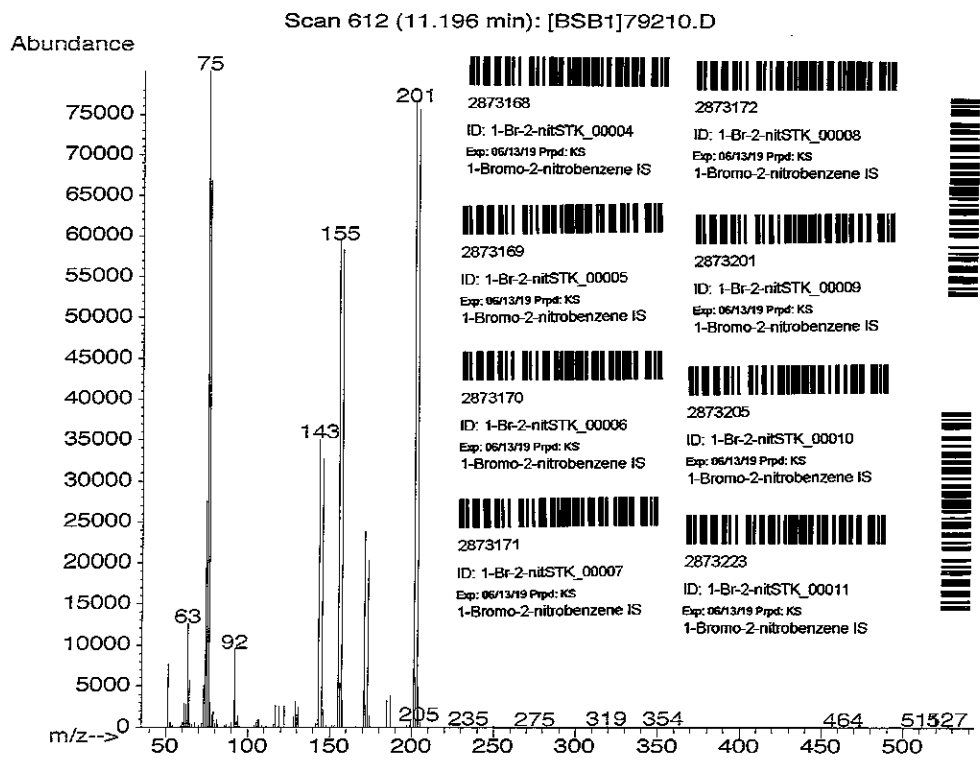
Reviewed By: Pedro L. Rentas — 061314 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.003 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty	MSDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	1-Bromo-2-nitrobenzene	1673	11006ES	1000	98	0.2	0.02551	0.02555	1001.5	0.0057	00577-19-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.

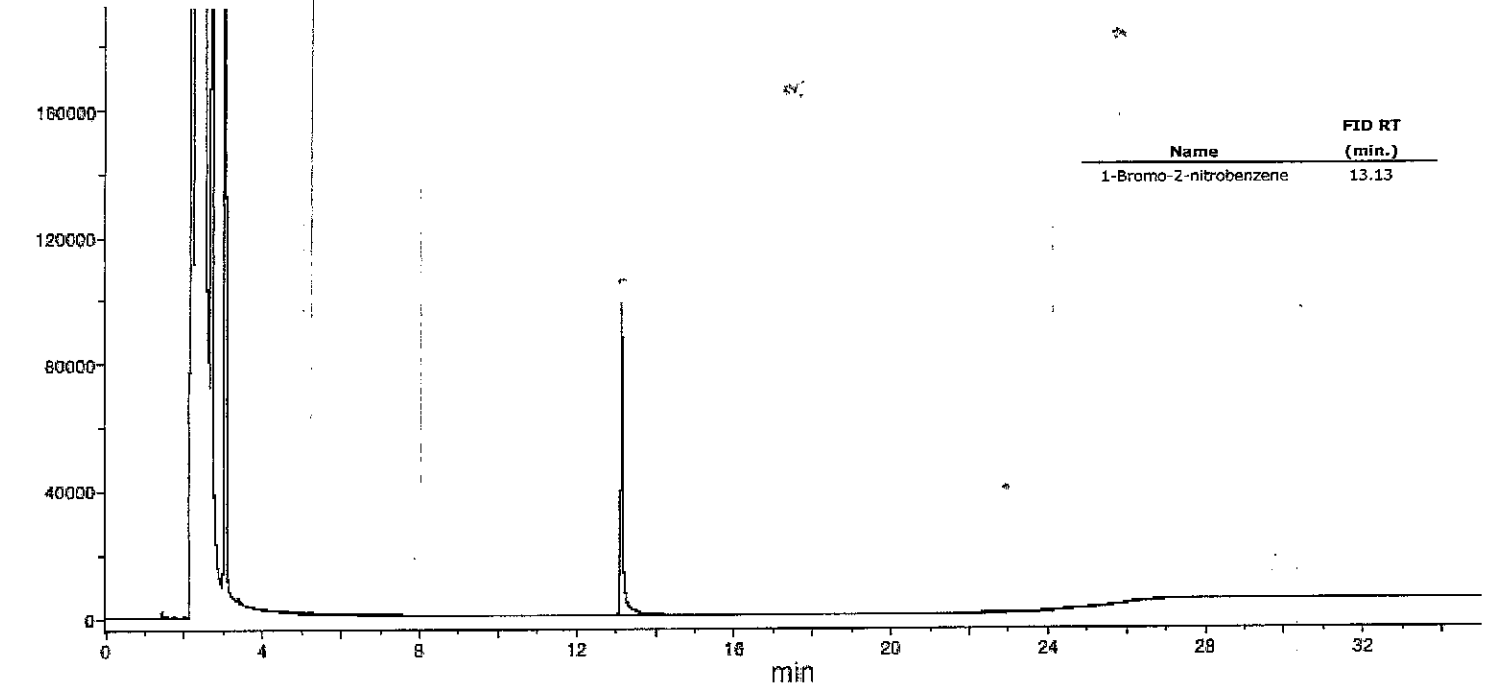




Run 24, "P79210 L061314 [1000µg/mL in Hexane]"

Run Length: 34.99 min, 20997 points at 10 points/second.
Created: Sat, Jun 14, 2014 at 7:40:46 AM.
Sampled: Sequence "061314-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments
GC9M1 Analysis by Candice Warren
SPB-5 30 meter x 0.53 µm x 1.5 df
Flow Rates; Total Flow = 300 mL/min, Helium (carrier)=6mL, Helium (makeup)=25mL,
Hydrogen (detector)=30, Air (detector)=360, Oven Temp 1 = 50 C (1 min)
Rate = 10 C/min, Oven Temp 2 = 300 (9 min), Total Run Time=35 min.
Injector Temp = 200 C, FID Temp = 300 C, FID Signal = Edaq Channel 1
Gas Chromatograph = HP5890, Standard Injection = 0.5 uL, Range =4



Name	FID RT (min.)
1-Bromo-2-nitrobenzene	13.13

Reagent

1-Br-2-nitSTK_00008

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79210
Lot Number: 061314
Description: 1-Bromo-2-nitrobenzene

Expiration Date: 061319
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000

Solvent(s):	Lot#
Hexane	48843

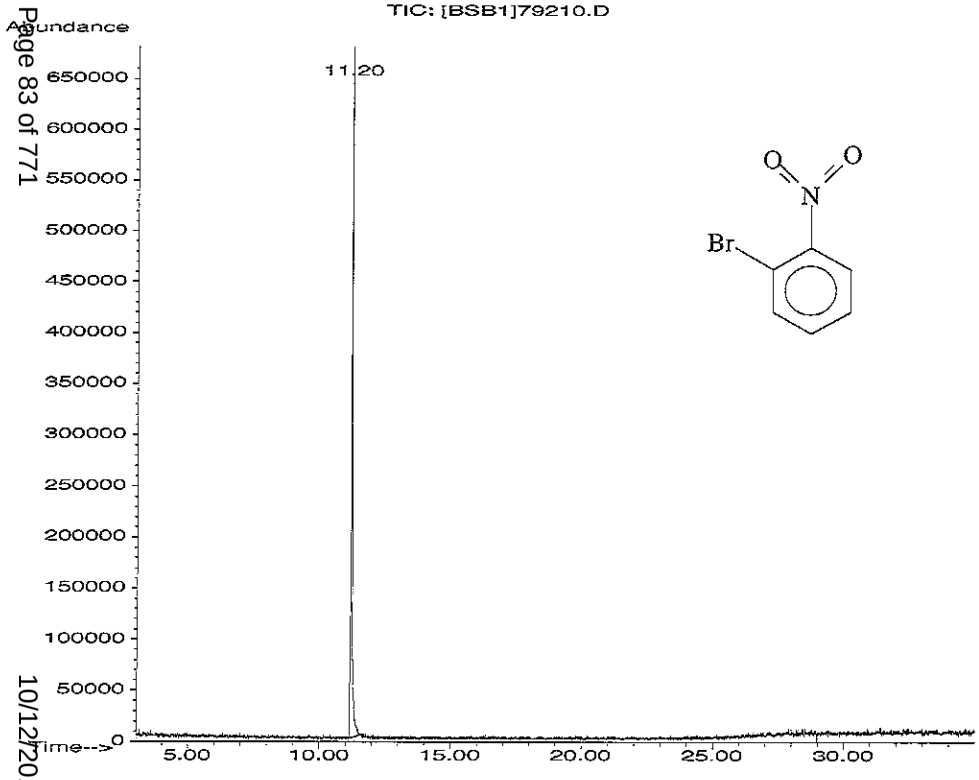
Formulated By: Paul Barron — 061314 DATE

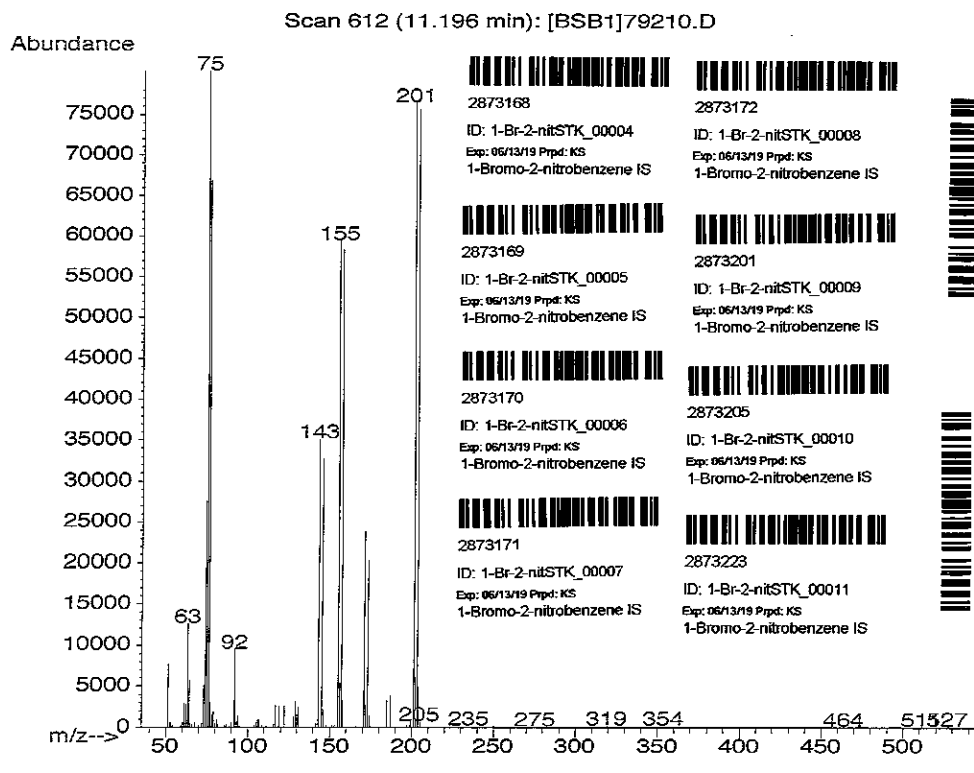
Reviewed By: Pedro L. Rentas — 061314 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.003 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty	MSDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Bromo-2-nitrobenzene	1673	11006ES	1000	98	0.2	0.02551	0.02555	1001.5	0.0057	00577-19-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.



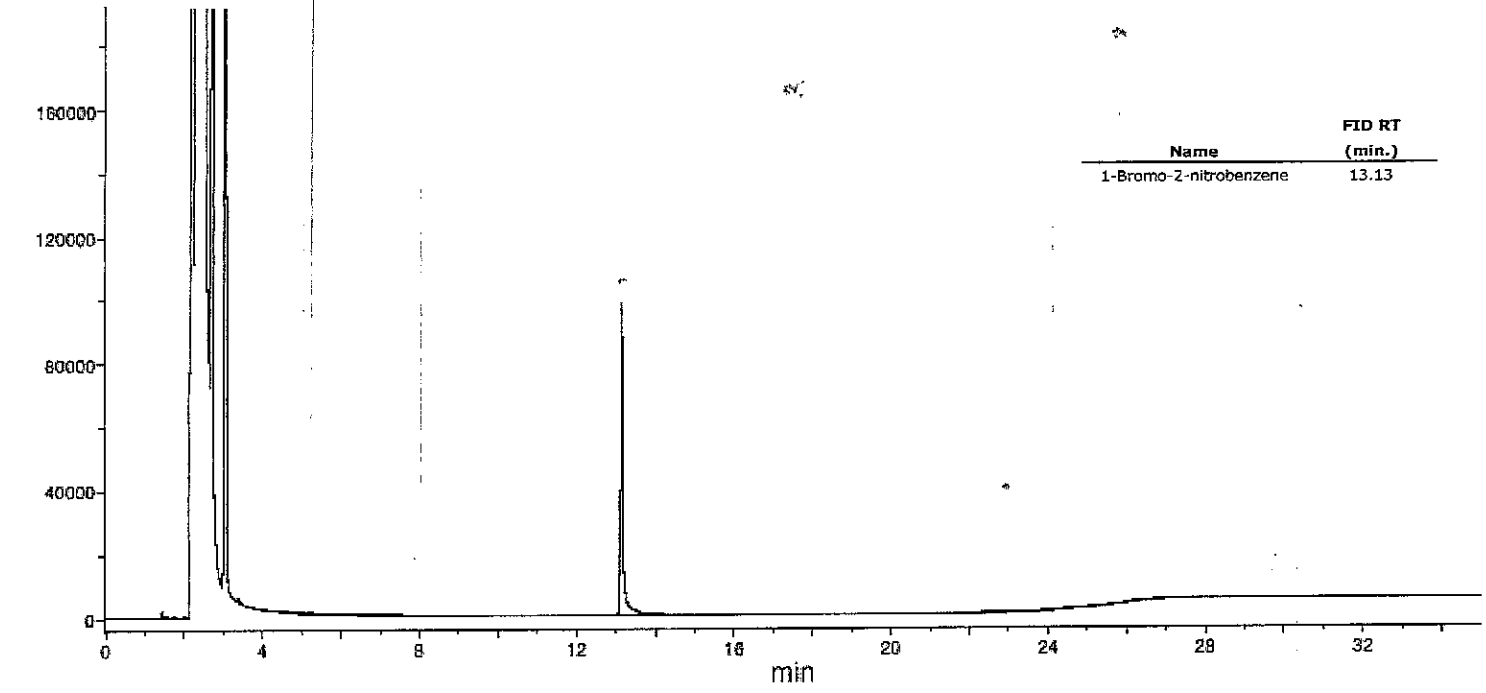


2873168 ID: 1-Br-2-nitSTK_00004 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873169 ID: 1-Br-2-nitSTK_00005 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873170 ID: 1-Br-2-nitSTK_00006 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873171 ID: 1-Br-2-nitSTK_00007 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873172 ID: 1-Br-2-nitSTK_00008 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873201 ID: 1-Br-2-nitSTK_00009 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873205 ID: 1-Br-2-nitSTK_00010 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873223 ID: 1-Br-2-nitSTK_00011 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873224 ID: 1-Br-2-nitSTK_00012 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS
2873225 ID: 1-Br-2-nitSTK_00013 Exp: 06/13/19 Prpd: KS 1-Bromo-2-nitrobenzene IS

Run 24, "P79210 L061314 [1000µg/mL in Hexane]"

Run Length: 34.99 min, 20997 points at 10 points/second.
Created: Sat, Jun 14, 2014 at 7:40:46 AM.
Sampled: Sequence "061314-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments
GC9M1 Analysis by Candice Warren
SPB-5 30 meter x 0.53 µm x 1.5 df
Flow Rates; Total Flow = 300 mL/min, Helium (carrier)=6mL, Helium (makeup)=25mL,
Hydrogen (detector)=30, Air (detector)=360, Oven Temp 1 = 50 C (1 min)
Rate = 10 C/min, Oven Temp 2 = 300 (9 min), Total Run Time=35 min.
Injector Temp = 200 C, FID Temp = 300 C, FID Signal = Edaq Channel 1
Gas Chromatograph = HP5890, Standard Injection = 0.5 uL, Range =4



Name	FID RT (min.)
1-Bromo-2-nitrobenzene	13.13

Reagent

1-Br-2-nitSTK_00010

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79210
Lot Number: 061314
Description: 1-Bromo-2-nitrobenzene

Expiration Date: 061319
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000

Solvent(s):	Lot#
Hexane	48843

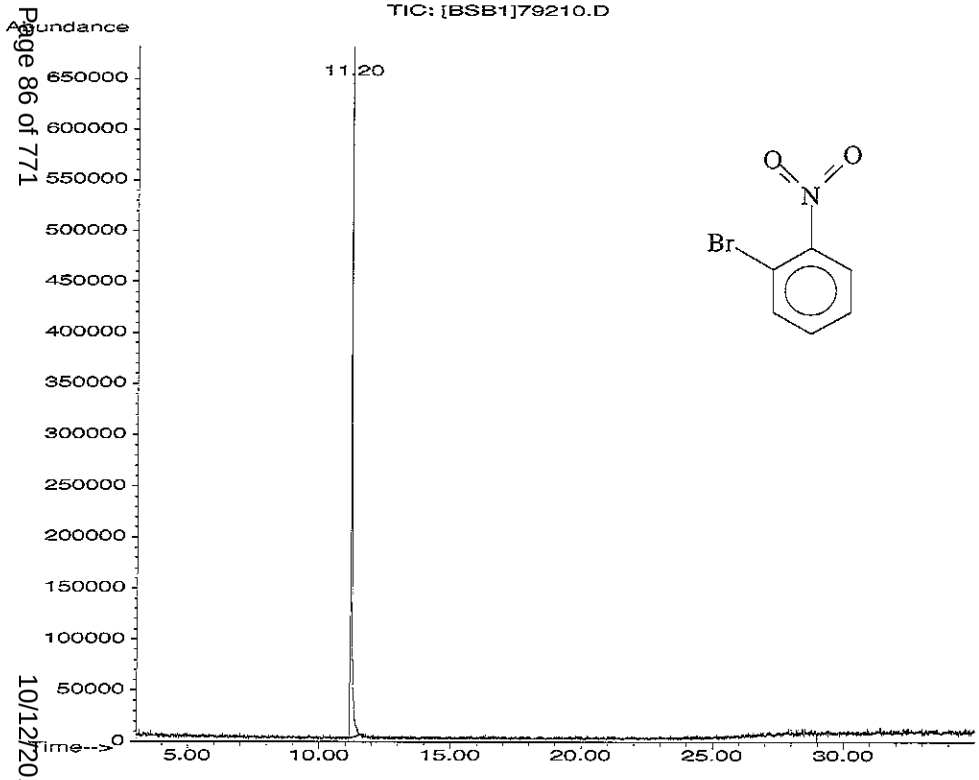
Formulated By: Paul Barron — 061314 DATE

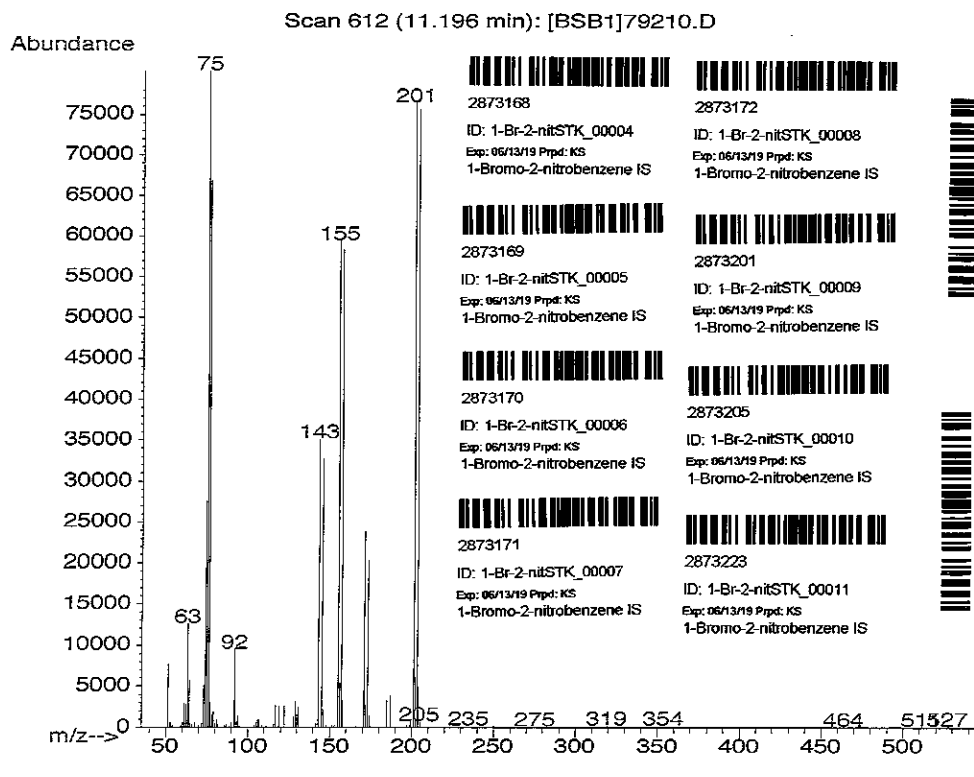
Reviewed By: Pedro L. Rentas — 061314 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.003 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty	MSDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Bromo-2-nitrobenzene	1673	11006ES	1000	98	0.2	0.02551	0.02555	1001.5	0.0057	00577-19-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.

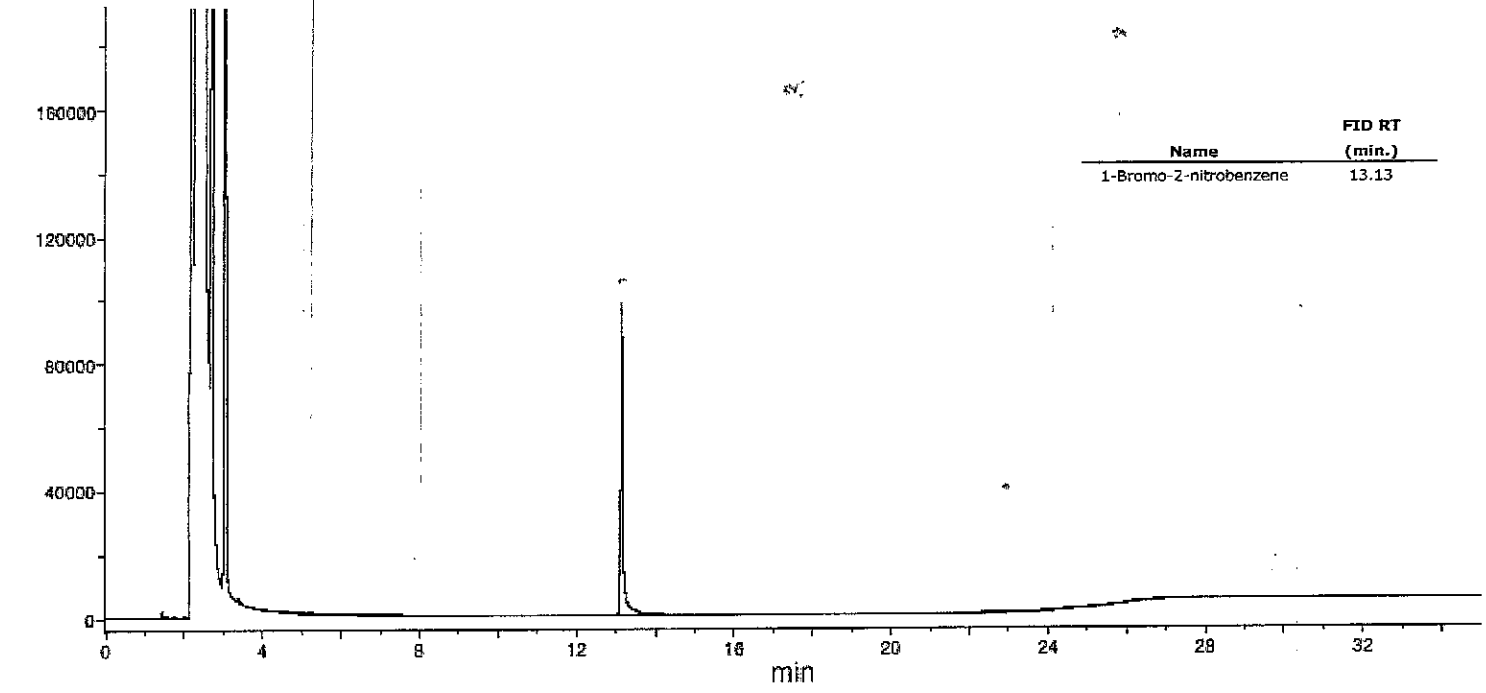




Run 24, "P79210 L061314 [1000µg/mL in Hexane]"

Run Length: 34.99 min, 20997 points at 10 points/second.
Created: Sat, Jun 14, 2014 at 7:40:46 AM.
Sampled: Sequence "061314-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments
GC9M1 Analysis by Candice Warren
SPB-5 30 meter x 0.53 µm x 1.5 df
Flow Rates; Total Flow = 300 mL/min, Helium (carrier)=6mL, Helium (makeup)=25mL,
Hydrogen (detector)=30, Air (detector)=360, Oven Temp 1 = 50 C (1 min)
Rate = 10 C/min, Oven Temp 2 = 300 (9 min), Total Run Time=35 min.
Injector Temp = 200 C, FID Temp = 300 C, FID Signal = Edaq Channel 1
Gas Chromatograph = HP5890, Standard Injection = 0.5 uL, Range =4



Name	FID RT (min.)
1-Bromo-2-nitrobenzene	13.13

Reagent

1-Br-2-nitSTK_00011

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79210
Lot Number: 061314
Description: 1-Bromo-2-nitrobenzene

Expiration Date: 061319
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000

Solvent(s):	Lot#
Hexane	48843

Formulated By: Paul Barron — 061314 DATE

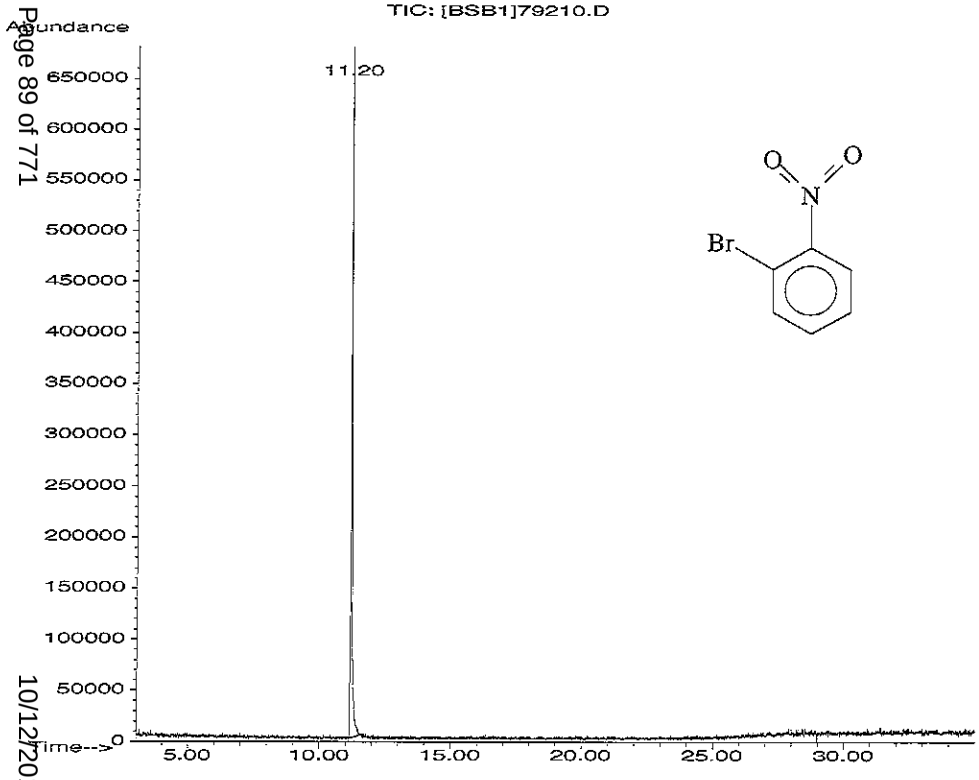
Reviewed By: Pedro L. Rentas — 061314 DATE

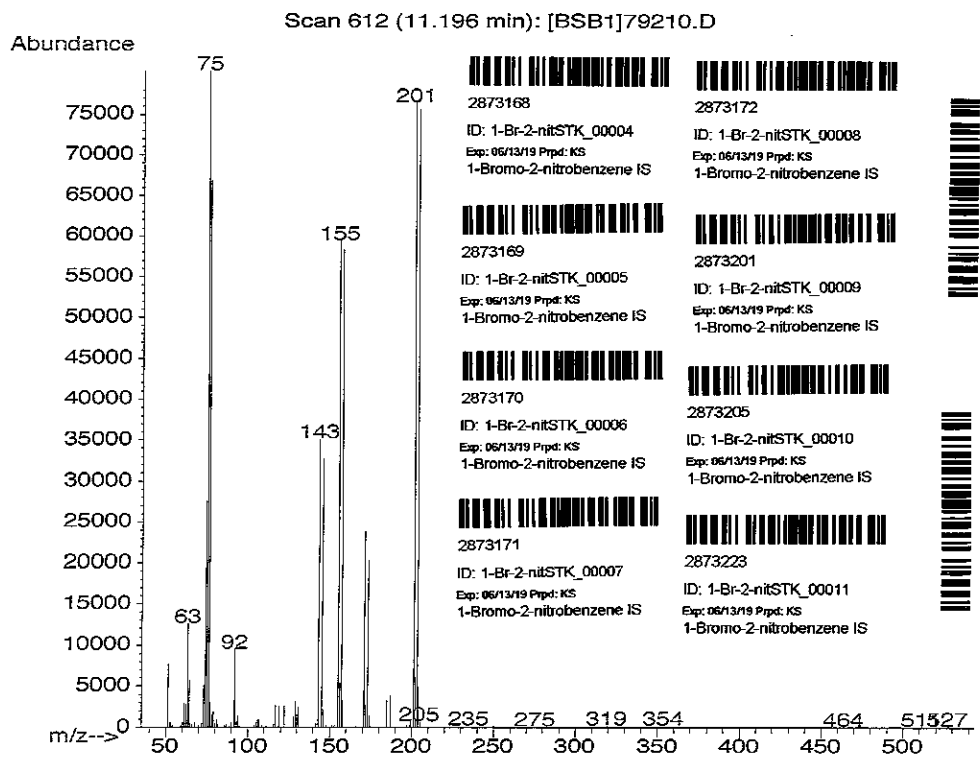
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 25.0 0.003 Flask Uncertainty

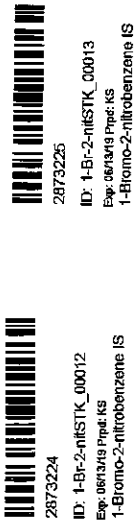
MSDS Information (Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty	CAS#	OSHA PEL (TWA)	LD50
1. 1-Bromo-2-nitrobenzene	1673	11006ES	1000	98	0.2	0.02551	0.02555	1001.5	0.0057	00577-19-5	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Gina McLane.



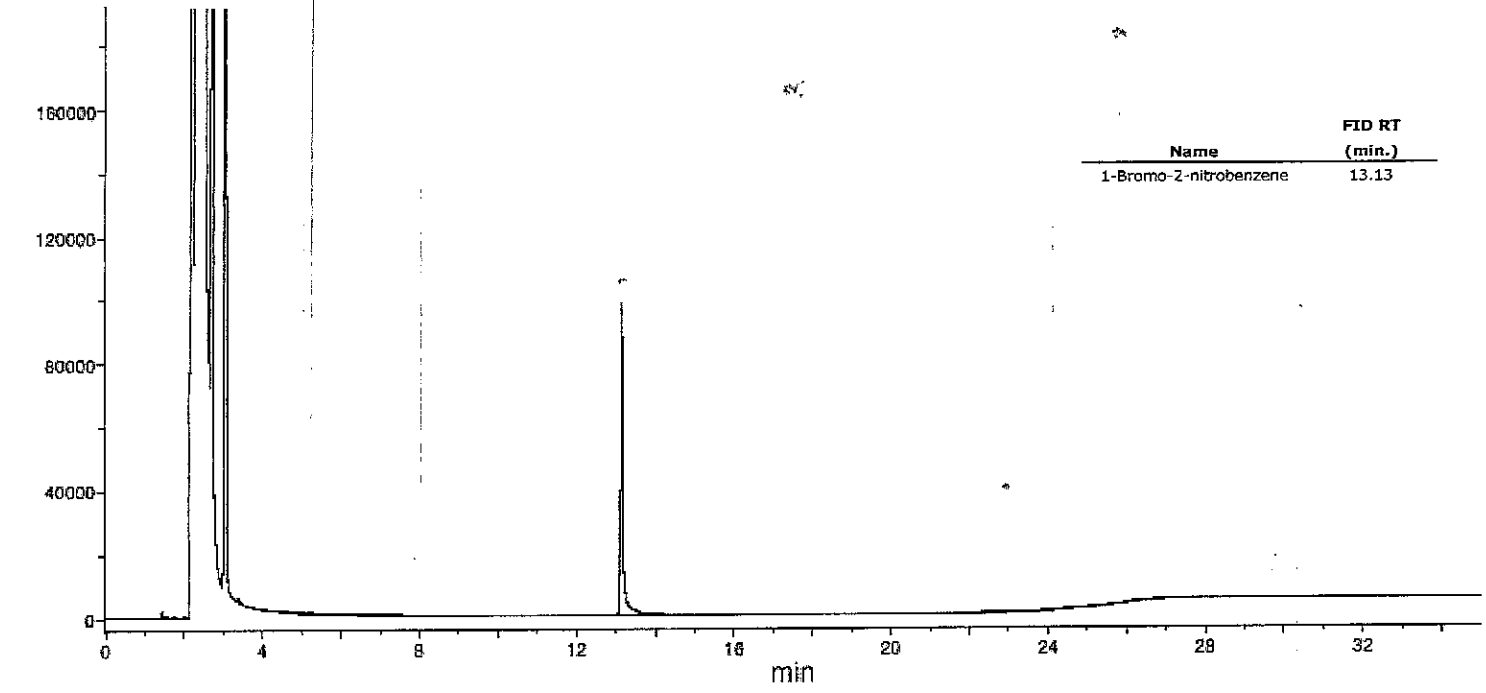




Run 24, "P79210 L061314 [1000µg/mL in Hexane]"

Run Length: 34.99 min, 20997 points at 10 points/second.
Created: Sat, Jun 14, 2014 at 7:40:46 AM.
Sampled: Sequence "061314-GC9M1", Method "GC9-M1".
Analyzed using Method "GC9-M1".

Comments
GC9M1 Analysis by Candice Warren
SPB-5 30 meter x 0.53 µm x 1.5 df
Flow Rates; Total Flow = 300 mL/min, Helium (carrier)=6mL, Helium (makeup)=25mL,
Hydrogen (detector)=30, Air (detector)=360, Oven Temp 1 = 50 C (1 min)
Rate = 10 C/min, Oven Temp 2 = 300 (9 min), Total Run Time=35 min.
Injector Temp = 200 C, FID Temp = 300 C, FID Signal = Edaq Channel 1
Gas Chromatograph = HP5890, Standard Injection = 0.5 uL, Range =4



Name	FID RT (min.)
1-Bromo-2-nitrobenzene	13.13

Reagent

8082_SURG.STK_00013

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0108779

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2021 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	200.7 µg/mL	+/- 1.1696	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.2448	µg/mL	Unstressed
	Purity 98%		+/- 8.3078	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	201.0 µg/mL	+/- 1.1713	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.2540	µg/mL	Unstressed
	Purity 99%		+/- 8.3201	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

2807534
ID: 8082_SURG.STK_00013
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807535
ID: 8082_SURG.STK_00014
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807536
ID: 8082_SURG.STK_00015
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807537
ID: 8082_SURG.STK_00016
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807539
ID: 8082_SURG.STK_00017
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

1. IDENTIFICATION

Catalog Number / Product Name:	**32000, 32000-5XX, & 32100 / Pesticide Surrogate Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	1-800-424-9300 (CHEMTREC) +1 703-741-5970 (Outside the US)
Email:	sds@restek.com
Revision Number:	9
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:

Flammable Liquid Category 2
Serious Eye Damage/Eye Irritation Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word:

Danger

GHS Hazard:

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

GHS Precautions:

Safety Precautions:

Keep away from heat/sparks/open flames/hot surfaces. -- No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container according to section 13 of the SDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
Acetone	67-64-1	2500 ppm IDLH (10% LEL)	750 ppm STEL 750 ppm STEL; 1782 mg/m3 STEL	500 ppm TWA 500 ppm TWA; 1188 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Respiratory Protection: No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

Medical Conditions Aggravated By Exposure: Respiratory disease including asthma and bronchitis

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	Depends upon product selection
Odor:	Strong
Physical State:	No data available.
pH:	No data available
Vapor Density:	2.0 (air = 1)
Melting Point:	-95.4 °C Melting Point
Flash Point:	39
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	465 deg C
Decomposition Temperature:	No data available.
Specific Gravity:	0.7845 g/cm3 at 25 °C
Evaporation Rate:	No data available.
Odor Threshold:	ND
Solubility:	Complete; 100%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	58.08

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	No data available.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents Strong acids
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Respiratory Tract, Skin
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.
Skin Contact:	Can cause minor skin irritation, defatting, and dermatitis.
Eye Contact:	Can cause minor irritation, tearing and reddening.
Ingestion Irritation:	May be harmful if swallowed.
Ingestion Toxicity:	Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

No data available.			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
Acetone	67-64-1	X	-	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
Acetone	67-64-1	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/01/14

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding prodcuts described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Reagent

8082_SURG.STK_00015

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0108779

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2021 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	200.7 µg/mL	+/- 1.1696	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.2448	µg/mL	Unstressed
	Purity 98%		+/- 8.3078	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	201.0 µg/mL	+/- 1.1713	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.2540	µg/mL	Unstressed
	Purity 99%		+/- 8.3201	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

2807534
ID: 8082_SURG.STK_00013
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807535
ID: 8082_SURG.STK_00014
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807536
ID: 8082_SURG.STK_00015
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

2807537
D: 8082_SURG.STK_00016
p: 05/31/21 Prpd: KS
CBS/PEST. SURROGATE SOLU

2807539
iD: 8082_SURG.STK_00017
Exp: 05/31/21 Prpd: KS
PCBS/PEST. SURROGATE SOLU

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

1. IDENTIFICATION

Catalog Number / Product Name:	**32000, 32000-5XX, & 32100 / Pesticide Surrogate Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	1-800-424-9300 (CHEMTREC) +1 703-741-5970 (Outside the US)
Email:	sds@restek.com
Revision Number:	9
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:

Flammable Liquid Category 2
Serious Eye Damage/Eye Irritation Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word:

Danger

GHS Hazard:

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

GHS Precautions:

Safety Precautions:

Keep away from heat/sparks/open flames/hot surfaces. -- No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container according to section 13 of the SDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
Acetone	67-64-1	2500 ppm IDLH (10% LEL)	750 ppm STEL 750 ppm STEL; 1782 mg/m3 STEL	500 ppm TWA 500 ppm TWA; 1188 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Respiratory Protection: No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

Medical Conditions Aggravated By Exposure: Respiratory disease including asthma and bronchitis

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	Depends upon product selection
Odor:	Strong
Physical State:	No data available.
pH:	No data available
Vapor Density:	2.0 (air = 1)
Melting Point:	-95.4 °C Melting Point
Flash Point:	39
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	465 deg C
Decomposition Temperature:	No data available.
Specific Gravity:	0.7845 g/cm3 at 25 °C
Evaporation Rate:	No data available.
Odor Threshold:	ND
Solubility:	Complete; 100%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	58.08

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	No data available.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents Strong acids
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Respiratory Tract, Skin
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.
Skin Contact:	Can cause minor skin irritation, defatting, and dermatitis.
Eye Contact:	Can cause minor irritation, tearing and reddening.
Ingestion Irritation:	May be harmful if swallowed.
Ingestion Toxicity:	Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

No data available.			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
Acetone	67-64-1	X	-	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
Acetone	67-64-1	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/01/14

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding prodcuts described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Reagent

AR_1232_STK_00002

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A097542

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2019 **Storage:** 25°C nominal

Handling: This product contains PCBs.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1232	1,001.6 µg/mL	+/- 5.8779 µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot W-107-05)		+/- 20.0953 µg/mL	Unstressed
	Purity 99%		+/- 33.9338 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

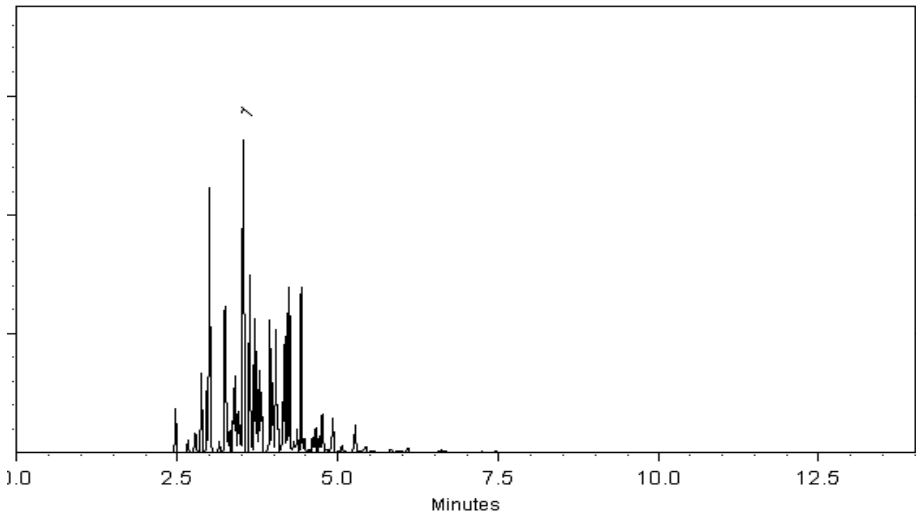
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Sawyer

Date Mixed: 22-Aug-2013 **Balance:** 1128360905

Jodi E. Breon

Jodi E. Breon - QA Analyst

Date Passed: 26-Aug-2013

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1232_STK_00003

RESTEK CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A097542

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2019 **Storage:** 25°C nominal

Handling: This product contains PCBs.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232	1,001.6 µg/mL	+/- 5.8779	µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot W-107-05)		+/- 20.0953	µg/mL	Unstressed
	Purity 99%		+/- 33.9338	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

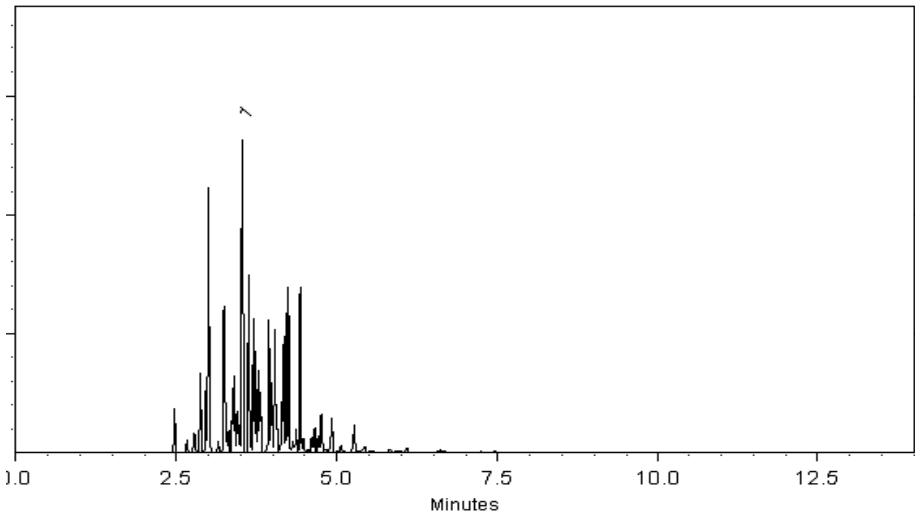
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Sawyer

Date Mixed: 22-Aug-2013 **Balance:** 1128360905

Jodi E. Breon

Jodi E. Breon - QA Analyst

Date Passed: 26-Aug-2013

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1242_STD_00001

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A099373

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242	1,001.8 µg/mL	+/- 5.8377	µg/mL	Gravimetric
	CAS # 53469-21-9 (Lot 01141-A)		+/- 20.0981	µg/mL	Unstressed
	Purity ----%		+/- 33.9387	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

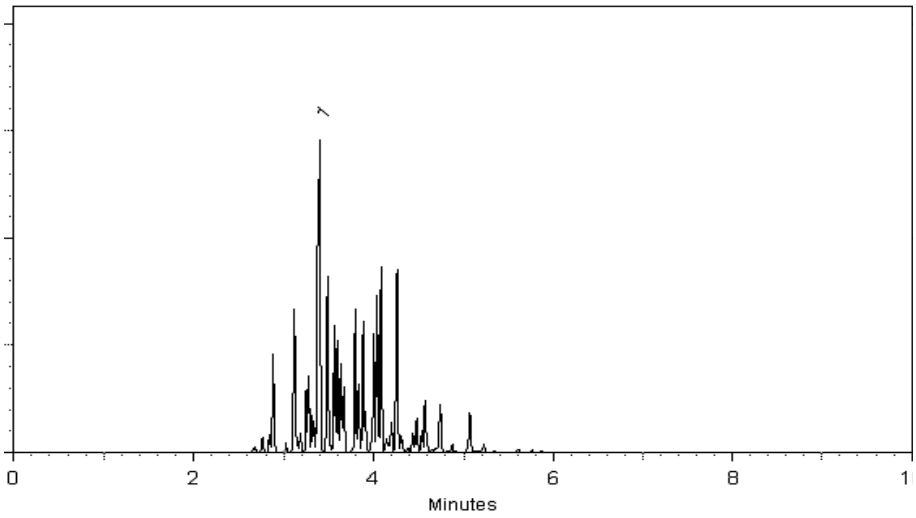
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 07-Nov-2013 **Balance:** 1125113331

Jennifer L. Pollino - QC Analyst

Date Passed: 08-Nov-2013

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1242_STD_00002

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0112462

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2021 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242		1,002.5 µg/mL	+/- 5.8832	µg/mL	Gravimetric
	CAS # 53469-21-9	(Lot 01141-A)		+/- 31.2001	µg/mL	Unstressed
	Purity -----%			+/- 41.5027	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

3157724
ID: AR_1242_STD_00002
Exp: 10/31/21 Prpd: KS
AROCLOR 1242 1000 ng stan

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

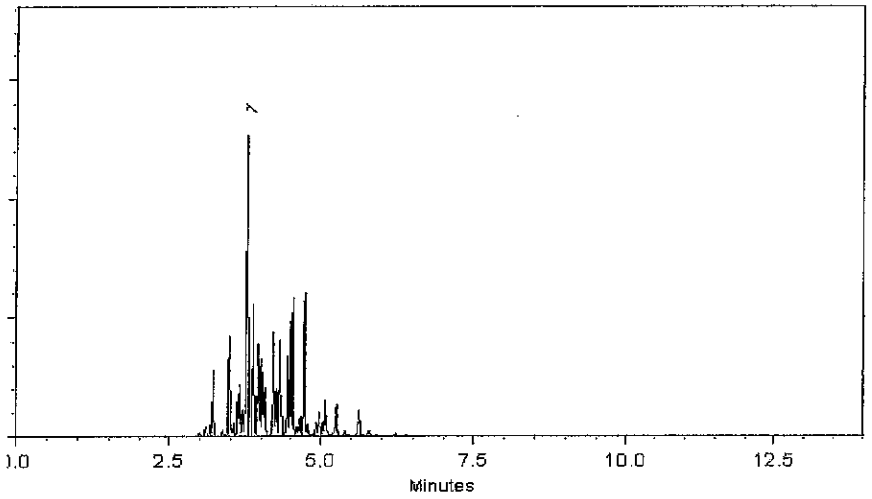
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Connor Flannery - Mix Technician

Date Mixed: 10-Jul-2015 **Balance:** 1128360905

Amanda Miller - QC Analyst

Date Passed: 14-Jul-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Reagent

AR_1248_STK_00002

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0103107

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1248	1,000.4 µg/mL	+/- 5.8709	µg/mL	Gravimetric
	CAS # 12672-29-6 (Lot W-108-07)		+/- 31.1348	µg/mL	Unstressed
	Purity ----%		+/- 41.4157	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

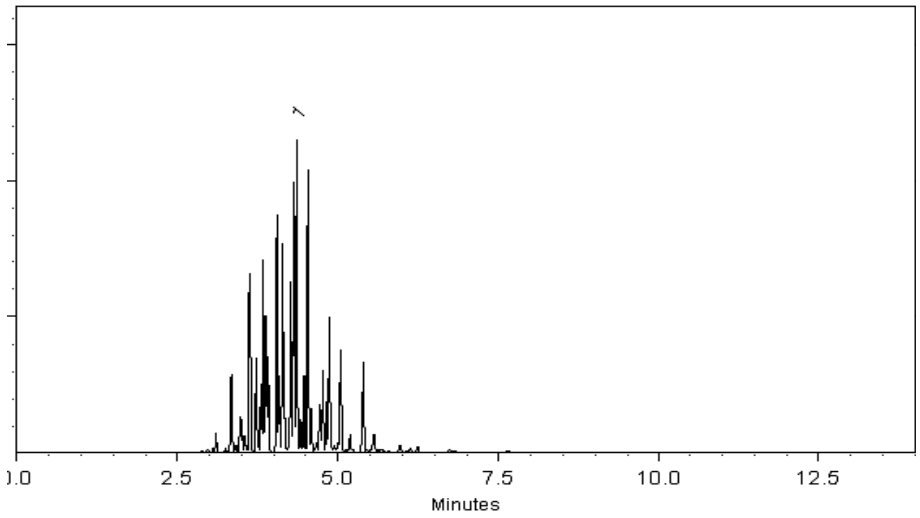
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 02-May-2014 **Balance:** 1128342313

Jennifer L. Pollino - QC Analyst

Date Passed: 06-May-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1248_STK_00003

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0110957

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2021 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1248	1,003.2 µg/mL	+/- 5.8873	µg/mL	Gravimetric
	CAS # 12672-29-6 (Lot W-108-07)		+/- 31.2219	µg/mL	Unstressed
	Purity ----%		+/- 41.5316	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

3157725
ID: AR_1248_STK_00003
Exp: 08/31/21 Prpd: KS
AROCLOR 1248 1000 ng STOC

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

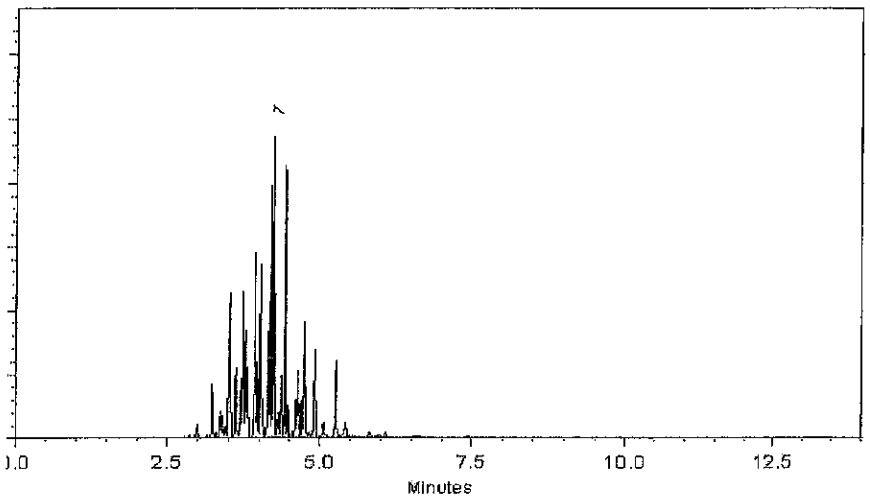
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon - Mix Technician

Date Mixed: 07-May-2015 **Balance:** B251644995

Amanda Miller - QC Analyst

Date Passed: 11-May-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Reagent

AR_1254_STK_00001

RESTEK®

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0102227

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1254	1,002.4 µg/mL	+/- 5.8826 µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.1970 µg/mL	Unstressed
	Purity ----%		+/- 41.4985 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

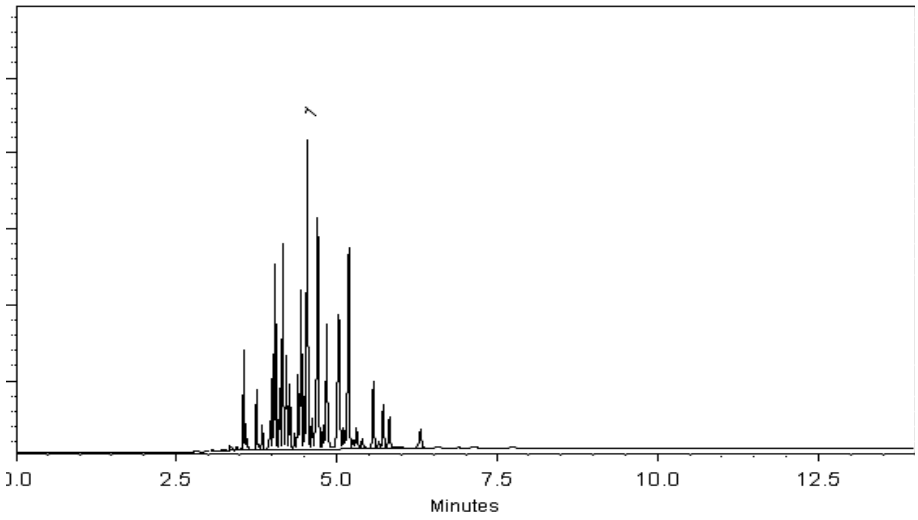
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Sawyer

Date Mixed: 26-Mar-2014 **Balance:** 1128360905

Amanda Kramer - QC Analyst

Date Passed: 28-Mar-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1254_STK_00002

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0112456

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2021 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1254	1,001.2 µg/mL	+/- 5.8756	µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.1597	µg/mL	Unstressed
	Purity ----%		+/- 41.4488	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

3157727
ID: AR_1254_STK_00002
Exp: 10/31/21 Prpd: KS
AROCLOR 1254 STK 1000 ug

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

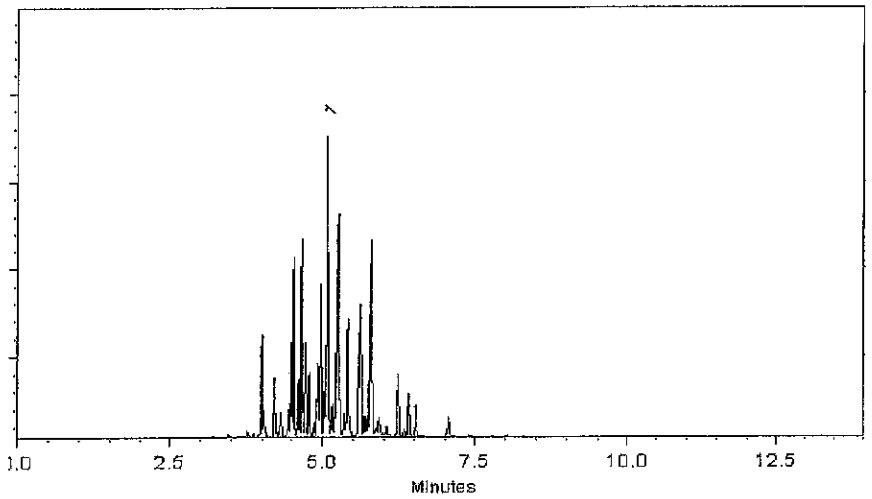
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
50°C (hold 5 min.) to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Fallon - Mix Technician

Date Mixed: 10-Jul-2015 **Balance:** B251644995

Jennifer L. Pollino - QC Analyst

Date Passed: 14-Jul-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Reagent

AR_1262_STK_00002

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0104763

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1262	1,010.0 µg/mL	+/- 5.9991	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 462-109B)		+/- 31.4472	µg/mL	Unstressed
	Purity ----%		+/- 41.8234	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

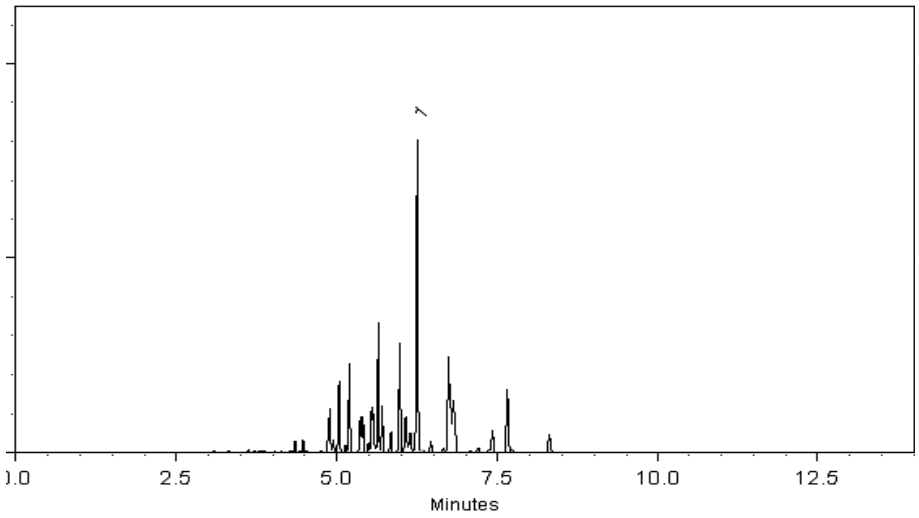
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 17-Jul-2014 **Balance:** 1125113331

Jennifer L. Pollino - QC Analyst

Date Passed: 23-Jul-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1262_STK_00003

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0113548

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2021 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1262	1,000.0 µg/mL	+/- 5.9397	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 3067100)		+/- 31.1358	µg/mL	Unstressed
	Purity ----%		+/- 41.4093	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

3157728
ID: AR_1262_STK_00003
Exp: 10/31/20 Prpd: KS
AROCLOR 1262 1000 ng/ul

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

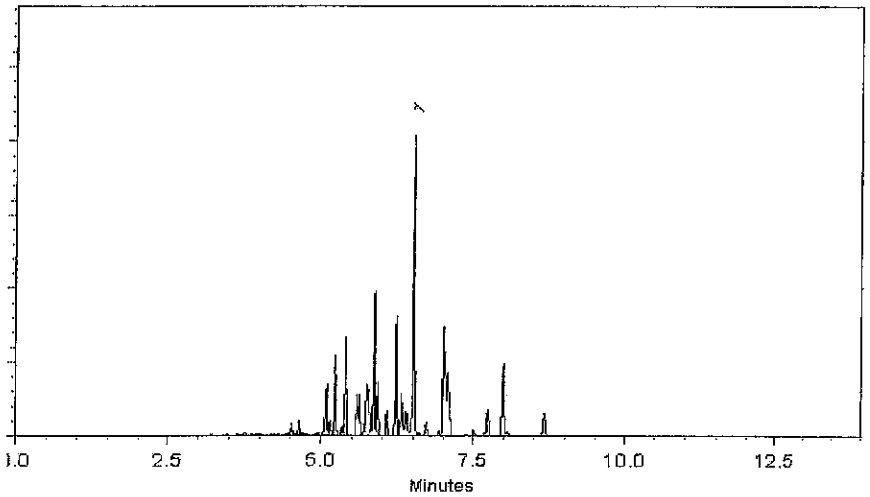
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Kendra Swope - Mix Technician

Date Mixed: 25-Aug-2015 **Balance:** B442140311

Amanda Miller - QC Analyst

Date Passed: 27-Aug-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Reagent

AR_1268_STK_00001

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0110266

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2021 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,005.0 µg/mL	+/- 5.9694	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 390-50A)		+/- 31.2915	µg/mL	Unstressed
	Purity ----%		+/- 41.6163	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

3157729
ID: AR_1268_STK_00001
Exp: 07/31/21 Prpd: KS
AROCLOR 1268 1000 ng/ul

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11823)

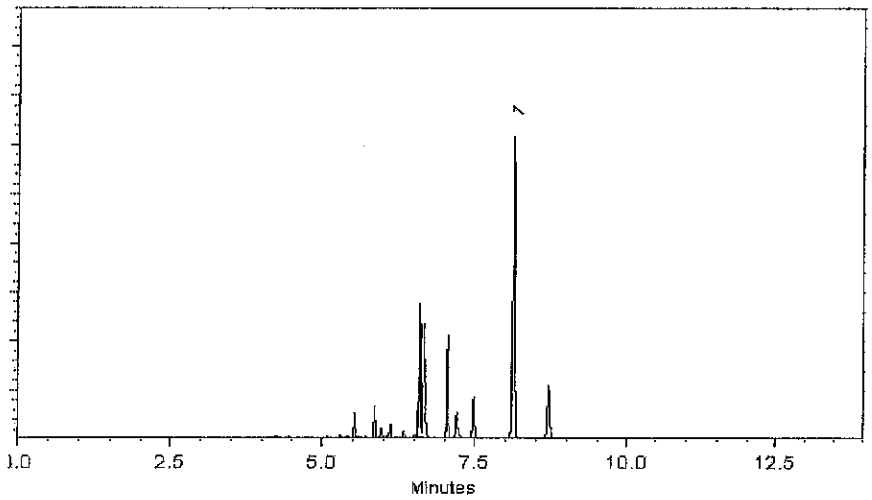
Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 12-Apr-2015 **Balance:** 1125113331

Jennifer L. Pollino - QC Analyst

Date Passed: 14-Apr-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

Reagent

AR_1660_STK_00026

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A099855

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,000.4 µg/mL	+/- 5.8299	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot W-125-01)		+/- 20.0711	µg/mL	Unstressed
	Purity 99%			+/- 33.8930	µg/mL	Stressed
2	Aroclor 1260		1,000.4 µg/mL	+/- 5.8299	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot W-129-06)		+/- 20.0711	µg/mL	Unstressed
	Purity ----%			+/- 33.8930	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

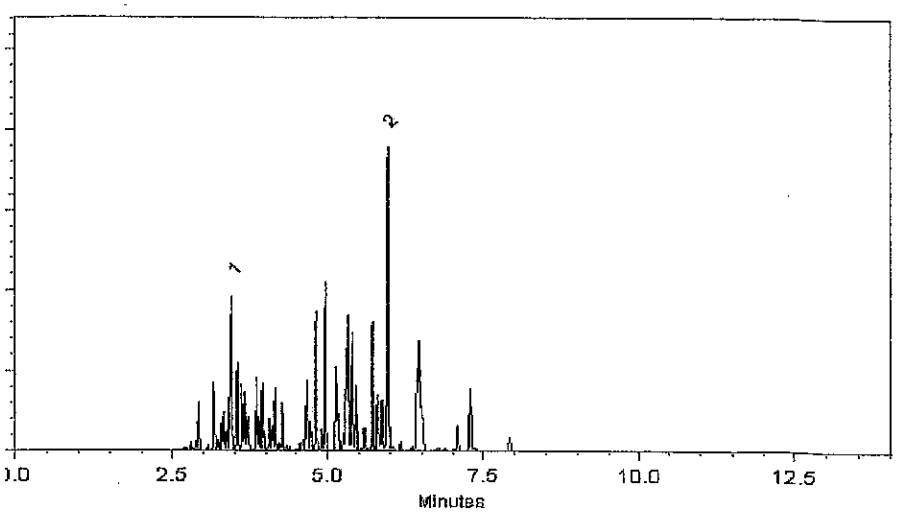
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 04-Dec-2013 **Balance:** 1128360905

Jodi E. Breon - QA Analyst

Date Passed: 06-Dec-2013

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR_1660_STK_00029

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A099855

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2020 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,000.4 µg/mL	+/- 5.8299	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot W-125-01)		+/- 20.0711	µg/mL	Unstressed
	Purity 99%			+/- 33.8930	µg/mL	Stressed
2	Aroclor 1260		1,000.4 µg/mL	+/- 5.8299	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot W-129-06)		+/- 20.0711	µg/mL	Unstressed
	Purity ----%			+/- 33.8930	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

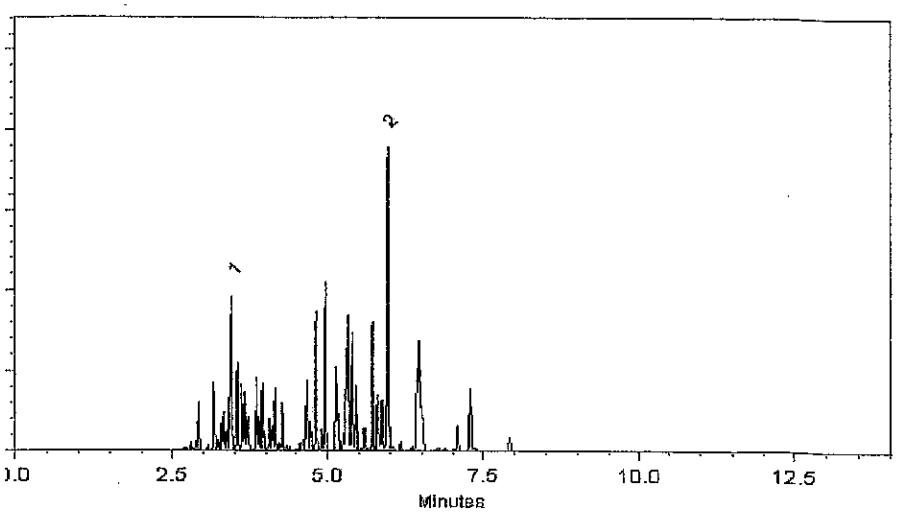
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen to guarantee product quality. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 04-Dec-2013 **Balance:** 1128360905

Jodi E. Breon - QA Analyst

Date Passed: 06-Dec-2013

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31840, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

AR1221_STK_00016

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0105286

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2020 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,007.2 µg/mL	+/- 5.9108	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 1240100)		+/- 31.3464	µg/mL	Unstressed
	Purity ---%		+/- 41.6972	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

2833304
ID: AR1221_STK_00016
Exp: 11/30/20 Prpd: KS
AROCLOR 1221 1000 ng STAN

2833305
ID: AR1221_STK_00017
Exp: 11/30/20 Prpd: KS
AROCLOR 1221 1000 ng STAN

Column:
x .25mm x .2um
P II (cat.# 11323)

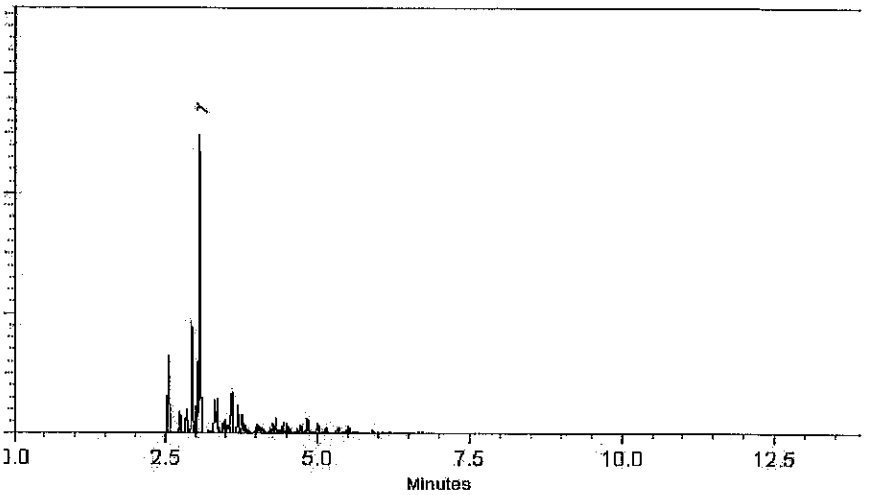
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 12-Aug-2014 **Balance:** 1125113331

Diane Shaffer - QA Analyst

Date Passed: 13-Aug-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

AR1221_STK_00017

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0105286

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2020 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,007.2 µg/mL	+/- 5.9108	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 1240100)		+/- 31.3464	µg/mL	Unstressed
	Purity ---%		+/- 41.6972	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

2833304
ID: AR1221_STK_00016
Exp: 11/30/20 Prpd: KS
AROCLOR 1221 1000 ng STAN

2833305
ID: AR1221_STK_00017
Exp: 11/30/20 Prpd: KS
AROCLOR 1221 1000 ng STAN

Column:
x .25mm x .2um
P II (cat.# 11323)

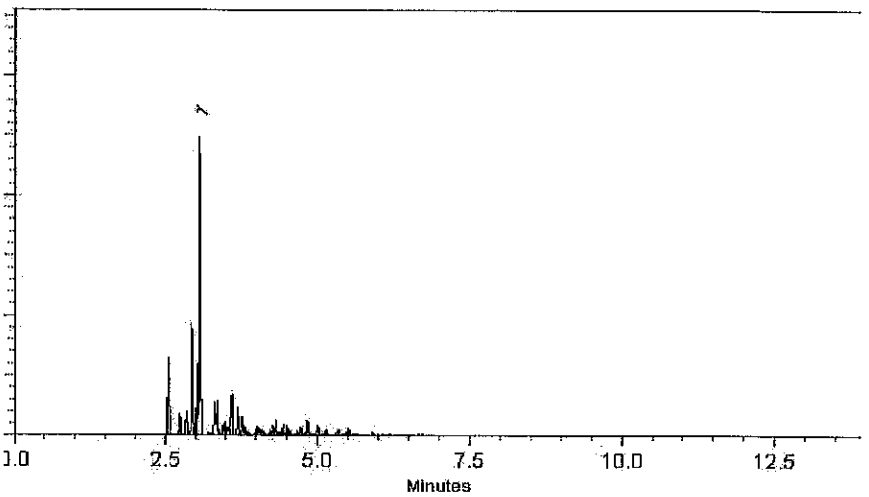
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham - Mix Technician

Date Mixed: 12-Aug-2014 **Balance:** 1125113331

Diane Shaffer - QA Analyst

Date Passed: 13-Aug-2014

Manufactured under Restek's ISO 9001:2008 Registered Quality System Certificate #FM 80397

Reagent

AR1268 STK_00016

RESTEK CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A097795

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2019 **Storage:** 25°C nominal

Handling: This product contains PCB's

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 390-50A)		+/- 20.1037	µg/mL	Unstressed
	Purity ----%		+/- 33.9475	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

O_8081/82surr_00092

1 mL → 1000 mL MeOH

Organic Prep
Spike / Surrogate Verification Form

3617873
ID: O_8081/82surr_00092
Exp: 03/29/17 Prpd: CPH Crit: 09/29/16
8081/8082/608 pest surr (

Spike/Surrogate Method: 8081/8082/608 Pest TALs Reagent ID:

Spike/Surrogate Code: A-35

Prepared By / Date: CH 9/28/16

Date Submitted for Analysis: 9/28/16

Solvent Exchanged? (YES) NO

Solvent Used for Exchange: Hexane

Final Concentrated Volume: 1

Final Method Volume: 10

Brought up to 10.0 mL, 1mL aliquot sent over to be analyzed.

Final Method Volume Done by Prep? (Yes) No

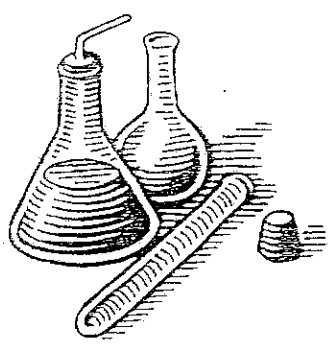
Date of Analysis: 9/30/2016

Analyzed By: LC

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep



Preliminary Report

TestAmerica Buffalo

LCS, Lab Control Sample Report

Sample Path: \\ChromNA\Buffalo\ChromData\HP6890-06\20160929-56857.b\6_10-308.D

Lims ID: O_8081/82surr_00092 Inj. Date: 30-Sep-2016 00:28:44

Worklist ID: 480-0056857-009 Instrument: HP6890-6

Method: 6890-6 PCB

Detector 1: Ch-A-7A136

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 0C_PCB_1
$ 2 Tetrachloro-m-xylene	0.0200	0.0208	104.2	60-154
$ 15 DCB Decachlorobiphenyl	0.0200	0.0249	124.5	65-174

Detector 2: Ch-B-7b136

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 0C_PCB_1
$ 2 Tetrachloro-m-xylene	0.0200	0.0193	96.3	60-154
$ 15 DCB Decachlorobiphenyl	0.0200	0.0241	120.3	65-174

Samples for Limit Group: 1, Lims Prep Method: 3550C_PCB_1YR

480-106674-A-1-C 460-120856-A-1-B 460-120856-A-2-B

460-120856-A-3-B 460-120856-A-4-B 460-120856-A-8-B

Reagent

O_8082spike_00053

1 mL → 200 mL MeOH

6

Organic Prep
Spike / Surrogate Verification Form

3548209
ID: O_8082spike_00053
Exp: 02/16/17 Prpd: CAM Crt: 08/16/16
8082 LCS spike (A222) @ 5

Spike/~~Surrogate~~ Method: 8082 LCS TALs Reagent ID:

Spike/~~Surrogate~~ Code: A222

Prepared By / Date: CM / 08-17-16

Date Submitted for Analysis: 08-17-16

Solvent Exchanged? (YES) NO 1 mL aliquot sent to be analyzed

Solvent Used for Exchange: Hexane

Final Concentrated Volume: 1.0 mL

Final Method Volume: 10.0 mL Final Method Volume Done by Prep? (Yes) No

---

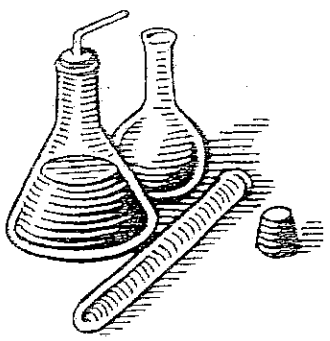
Date of Analysis: 8-17-16

Analyzed By: KS

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep



Preliminary Report

TestAmerica Buffalo
LCS, Lab Control Sample Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-06\20160817-55694.b\6_09-185.D				
Lims ID:	O_8082spike_00053				
Client ID:					
Sample Type:	LCS				
Inject. Date:	17-Aug-2016 19:45:37	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	#:				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-6		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-06\20160817-55694.b\6890-6 PCB.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	17-Aug-2016 20:17:59	Calib Date:	17-Jun-2016 00:04:32		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-06\20160616-54110.b\6_05-185.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK005				

Detector 1: Ch-A-7A136

Compound	Amount Added	Amount Recovered	%Rec
6 PCB-1016	0.5000	0.5167	103.35
6 PCB-1016-1	0.5000	0.5521	110.43
6 PCB-1016-2	0.5000	0.5322	106.45
6 PCB-1016-3	0.5000	0.4896	97.91
6 PCB-1016-4	0.5000	0.4944	98.88
6 PCB-1016-5	0.5000	0.5154	103.07
11 PCB-1260	0.5000	0.4767	95.34
11 PCB-1260-1	0.5000	0.5720	114.40
11 PCB-1260-2	0.5000	0.4385	87.69
11 PCB-1260-3	0.5000	0.4506	90.11
11 PCB-1260-4	0.5000	0.4431	88.63
11 PCB-1260-5	0.5000	0.4794	95.87

Detector 2: Ch-B-7b136

Compound	Amount Added	Amount Recovered	%Rec
6 PCB-1016	0.5000	0.5263	105.26
6 PCB-1016-1	0.5000	0.4989	99.78
6 PCB-1016-2	0.5000	0.5162	103.25
6 PCB-1016-3	0.5000	0.5157	103.14
6 PCB-1016-4	0.5000	0.6041	120.83
6 PCB-1016-5	0.5000	0.4966	99.33

Preliminary Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160817-55694.b\6_09-185.D

Compound	Amount Added	Amount Recovered	%Rec
11 PCB-1260	0.5000	0.5012	100.24
11 PCB-1260-1	0.5000	0.6374	127.48
11 PCB-1260-2	0.5000	0.4259	85.19
11 PCB-1260-3	0.5000	0.4894	97.88
11 PCB-1260-4	0.5000	0.4871	97.41
11 PCB-1260-5	0.5000	0.4662	93.24

Reagent

O_PCB-Aroclor_00012

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

3325154
ID: O_PCB-Aroclor_00012
Exp: 02/28/22 Prpd: CAM
Aroclor 1016/1260 mix @ 1

Catalog No. : 32039 **Lot No.:** A0115663

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,010.0 µg/mL	+/- 5.8858	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot W-125-01)		+/- 32.0033	µg/mL	Unstressed
	Purity ----%			+/- 41.8110	µg/mL	Stressed
2	Aroclor 1260		1,008.2 µg/mL	+/- 5.8753	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot W-129-06)		+/- 31.9462	µg/mL	Unstressed
	Purity ----%			+/- 41.7365	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

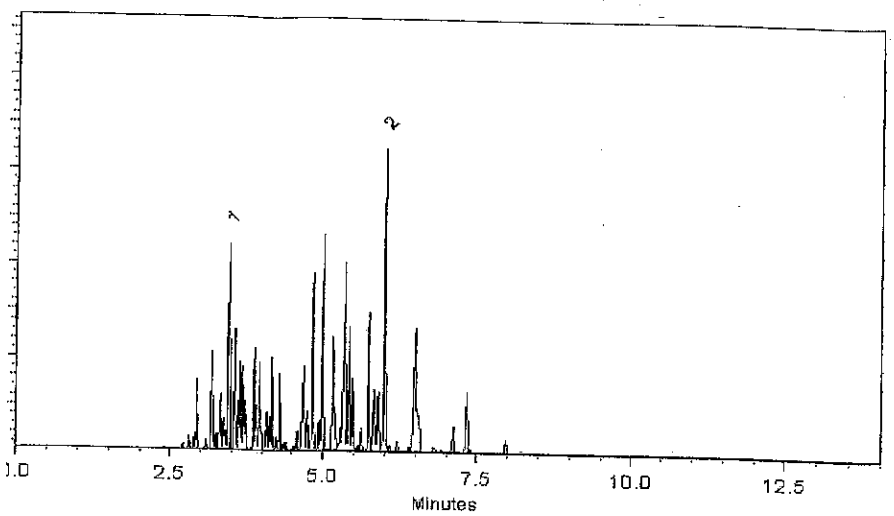
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cheryl Graham

Cheryl Graham - Mix Technician **Date Mixed:** 28-Nov-2015 **Balance:** 1128360905

Jodi E. Breon

Jodi E. Breon - QA Analyst **Date Passed:** 02-Dec-2015

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

1. IDENTIFICATION

Catalog Number / Product Name:	**32039, 32039-5XX, & 32139 / Aroclor 1016/1260 Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	1-800-424-9300 (CHEMTREC) +1 703-741-5970 (Outside the US)
Email:	sds@restek.com
Revision Number:	8
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:

Aspiration Hazard Category 1
Flammable Liquid Category 2
Skin Corrosion/Irritation Category 2
Reproductive Toxicity Category 2
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2
Hazardous to the aquatic environment - Chronic Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word:

Danger

GHS Hazard:

Highly flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness.
H361f - Suspected of damaging fertility.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

GHS Precautions:

Safety Precautions:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

First Aid Measures:

IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
Get medical advice/attention if you feel unwell.
Specific treatment see section 4.
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.
Collect spillage.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: No data available.

Repeated Exposure Target Organs: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINEC #	% Composition
hexane	110-54-3	203-777-6	99.800000
aroclor® 1016	12674-11-2		0.100000
aroclor® 1260	11096-82-5		0.100000

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
hexane	110-54-3	1100 ppm IDLH (10% LEL)	1000 ppm	50 ppm TWA	500 ppm TWA; 1800 mg/m3 TWA
aroclor® 1016	12674-11-2	ND		No TLV	No data available.
aroclor® 1260	11096-82-5	ND		No TLV	No data available.

Personal Protection:

Engineering Measures:	Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.
Respiratory Protection:	Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
Eye Protection:	Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.
Skin Protection:	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available.
Odor:	Mild
Physical State:	Liquid
pH:	No data available
Vapor Density:	2.97 (air = 1)
Melting Point:	-95 °C Melting Point
Flash Point:	-8
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	No data available. deg C
Decomposition Temperature:	No data available.
Specific Gravity:	0.672 g/cm3 at 15 °C
Evaporation Rate:	No data available.
Odor Threshold:	No data available.
Solubility:	Negligible; 0-1%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	No data available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.

Conditions to Avoid:	No data available.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation Contact Absorption Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Respiratory Tract, Skin, Peripheral Nervous System
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	May cause irritation and minor systemic damage.Harmful if absorbed through the skin.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Harmful if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	Contains a probable or known human carcinogen.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
n-Hexane	110-54-3	Inhalation LC50 Rat 48000 ppm 4 h (Source: NLM_CIP); Dermal LD50 Rabbit 3000 mg/kg (Source: NLM_CIP)

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.	
Aroclor 1260	11096-82-5	Present

ACGIH:

Chemical Name	CAS No.
No data available.	

NIOSH:

Chemical Name	CAS No.
No data available.	

NTP:

Chemical Name	CAS No.
No data available.	

IARC:

Chemical Name	CAS No.	Group No.
No data.		Group 1
No data.		Group 2A
No data.		Group 2B

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	No data
Ecological Toxicity Data:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Hexanes
UN Number:	UN1208
Hazard Class:	3
Packing Group:	II
International:	
IATA Proper Shipping Name:	Hexanes
UN Number:	UN1208
Hazard Class:	3
Packing Group:	II
Marine Pollutant:	No

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
hexane	110-54-3	X	X	-	X
aroclor® 1016	12674-11-2	X	-	-	-
aroclor® 1260	11096-82-5	X	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Polychlorinated biphenyls	11096-82-5	Prop 65 Cancer

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
hexane	110-54-3	X	X	X	-
aroclor® 1016	12674-11-2	-	X	X	X
aroclor® 1260	11096-82-5	-	X	X	X

16. OTHER INFORMATION

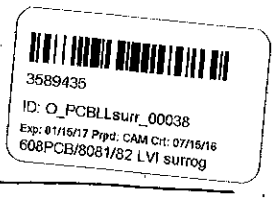
Prior Version Date:	03/28/13
Disclaimer:	Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding prodcuts described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Reagent

O_PCBLLsurr_00038

200 uL → 1000 mL MeOH

Organic Prep
Spike / Surrogate Verification Form



Spike/Surrogate Method: 608 PCB/8082 LL
8081 LVI/8082 LVI TALs Reagent ID:

Spike/Surrogate Code: A 318

Prepared By / Date: cm/ 09-14-16

Date Submitted for Analysis: 09-14-16

Solvent Exchanged? (YES) NO

Solvent Used for Exchange: hexane

Final Concentrated Volume: 1.0 mL

Final Method Volume: 2.0 mL

Final Method Volume Done by Prep? (Yes) No

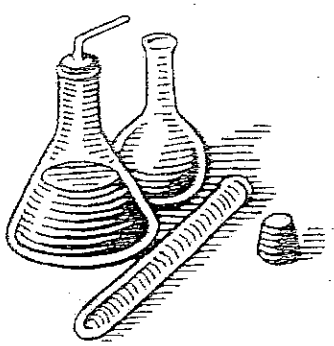
Date of Analysis: 9/14/16

Analyzed By: Mary Ann Meany

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep



Preliminary Report

TestAmerica Buffalo

Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP6890-25\20160914-56342.b\25_07-203.D				
Lims ID:	lvi sur check				
Client ID:					
Sample Type:	Client				
Inject. Date:	14-Sep-2016 14:09:20	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	Name:				
Misc. Info.:	Study: Channel B: I/F Serial#, None				
Operator ID:	BufTCHROM	Instrument ID:	HP6890-25		
Method:	\\ChromNA\Buffalo\ChromData\HP6890-25\20160914-56342.b\IS-8081.m				
Limit Group:	GC - 8081B IS ICAL				
Last Update:	14-Sep-2016 14:27:24	Calib Date:	23-Aug-2016 14:26:40		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP6890-25\20160823-55825.b\25_06-183.D				
Column 1 :			Det: Ch-A-6A58132		
Column 2 :			Det: Ch-B-6b58132		
Process Host:	XAWRK006				

Surrogate Recovery, Detector: Ch-A-6A58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	0.0200	0.0195	97.51
$ 34 DCB Decachlorobiphenyl	0.0200	0.0213	106.39

Surrogate Recovery, Detector: Ch-B-6b58132

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Tetrachloro-m-xylene	0.0200	0.0191	95.40
$ 34 DCB Decachlorobiphenyl	0.0200	0.0196	97.89

Reagent

O_pest/pcbsur_00013

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO Guide 34 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0117947

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

3526332
ID: O_pest/pcbsur_00013
Exp: 06/30/22 Prpd: CAM
Pesticides Surrogate Stan

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2022 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	200.4 µg/mL	+/- 1.1679	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3503	µg/mL	Unstressed
	Purity 98%		+/- 8.2964	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.4 µg/mL	+/- 1.1678	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3500	µg/mL	Unstressed
	Purity 99%		+/- 8.2960	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

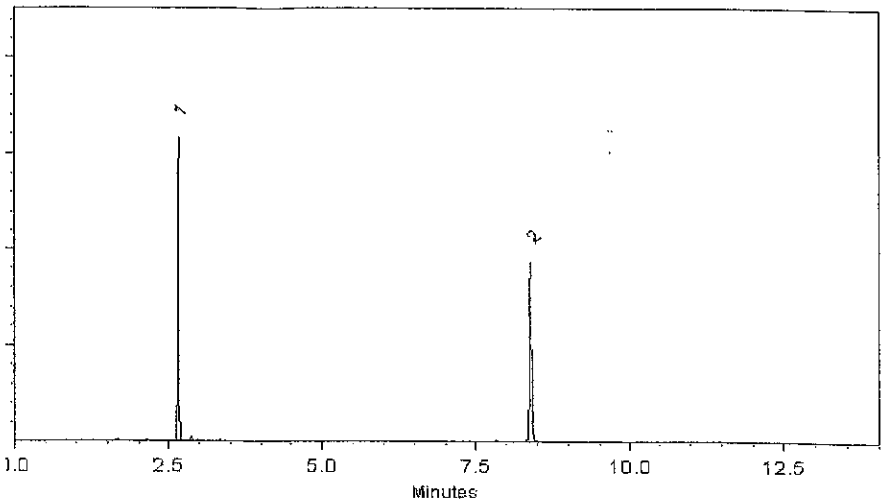
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Cook - Mix Technician

Date Mixed: 10-Mar-2016 **Balance:** 1125113331

Jodi E. Breon - QA Analyst

Date Passed: 14-Mar-2016

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO Guides 34 and 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Samples should be transferred into deactivated vials for handling and storage. Restek supplies deactivated vials along with most standards packed in 2 mL ampules. Due to space constraints, Restek does not supply vials for larger volume ampules. Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions. Restek will also deactivate larger volume vials from our inventory as a custom ordered item. Contact your Restek sales or customer service representative for details.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

1. IDENTIFICATION

Catalog Number / Product Name:	**32000, 32000-5XX, & 32100 / Pesticide Surrogate Mix**
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	1-800-424-9300 (CHEMTREC) +1 703-741-5970 (Outside the US)
Email:	sds@restek.com
Revision Number:	9
Intended use:	For Laboratory use only

2. HAZARD(S)IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:

GHS Classification:

Flammable Liquid Category 2
Serious Eye Damage/Eye Irritation Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

GHS Signal Word:

Danger

GHS Hazard:

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

GHS Precautions:

Safety Precautions:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs:	No data available.
Repeated Exposure Target Organs:	No data available.

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
Acetone	67-64-1	200-662-2	99.960000

4. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
Acetone	67-64-1	2500 ppm IDLH (10% LEL)	750 ppm STEL 750 ppm STEL; 1782 mg/m3 STEL	500 ppm TWA 500 ppm TWA; 1188 mg/m3 TWA	1000 ppm TWA; 2400 mg/m3 TWA

Personal Protection:

Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Respiratory Protection: No respiratory protection required under normal conditions of use. Provide general room exhaust ventilation if symptoms of overexposure occur as explained Section 3. A respirator is not normally required.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

Medical Conditions Aggravated By Exposure: Respiratory disease including asthma and bronchitis

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	Depends upon product selection
Odor:	Strong
Physical State:	No data available.
pH:	No data available
Vapor Density:	2.0 (air = 1)
Melting Point:	-95.4 °C Melting Point
Flash Point:	39
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	465 deg C
Decomposition Temperature:	No data available.
Specific Gravity:	0.7845 g/cm3 at 25 °C
Evaporation Rate:	No data available.
Odor Threshold:	ND
Solubility:	Complete; 100%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	58.08

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	No data available.
Materials to Avoid / Chemical Incompatiability:	Strong oxidizing agents Strong acids
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Respiratory Tract, Skin
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Can cause minor irritation, tearing and reddening.

Ingestion Irritation: May be harmful if swallowed.

Ingestion Toxicity: Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity: No data.

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Inhalation:	Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.
Skin Contact:	Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Acetone	67-64-1	Inhalation LC50 Rat 50100 mg/m3 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available.	

ACGIH:

Chemical Name	CAS No.	
Acetone	67-64-1	A4 - Not Classifiable as a Human Carcinogen

NIOSH:

Chemical Name	CAS No.
No data available.	

NTP:

Chemical Name	CAS No.
No data available.	

IARC:

Chemical Name	CAS No.	Group No.
No data.		Group 1
No data.		Group 2A
No data.		Group 2B

12. ECOLOGICAL INFORMATION

Overview:	This material is not expected to be harmful to the ecology.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	No data
Ecological Toxicity Data:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:

DOT Proper Shipping Name:	Acetone
UN Number:	UN1090
Hazard Class:	3
Packing Group:	II

International:

IATA Proper Shipping Name:	Acetone
UN Number:	UN1090
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant

No data available.			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
Acetone	67-64-1	X	-	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
Acetone	67-64-1	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 08/01/14

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding prodcuts described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCBP1 #
SS7-16	480-107100-1	135	130
SS7-17	480-107100-2	132	124
SS7-18	480-107100-3	126	112
SS7-19	480-107100-4	130	114
SS7-20	480-107100-5	139	130
SS7-21	480-107100-6	117	117
SS7-22	480-107100-7	138	132
SS7-23	480-107100-8	136	131
SS7-24	480-107100-9	118	99
SS7-25	480-107100-10	131	128
SS7-26	480-107100-11	122	116
SS7-27	480-107100-12	96	76
SS7-DUP3	480-107100-13	131	124
	MB 480-324269/1-A	143	144
	LCS 480-324269/2-A	152	156
SS7-17 MS	480-107100-2 MS	152	152
SS7-17 MSD	480-107100-2 MSD	117	106

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-154
DCBP = DCB Decachlorobiphenyl	65-174

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX2 #	DCBP2 #
SS7-RINSE BLANK	480-107100-14	66	74
	MB 480-324647/1-A	65	56
	LCS 480-324647/2-A	55	44

	QC LIMITS
TCX = Tetrachloro-m-xylene	39-121
DCBP = DCB Decachlorobiphenyl	19-120

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_374m_315.D

Lab ID: LCS 480-324269/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.74	2.27	130	51-185	
PCB-1260	1.74	2.61	150	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 6_11-215.D

Lab ID: LCS 480-324647/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	4.00	2.59	65	62-130	
PCB-1260	4.00	2.32	58	56-123	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_374m_316.D

Lab ID: 480-107100-2 MS Client ID: SS7-17 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	2.24	ND	2.89	129	50-177	
PCB-1260	2.24	ND	3.49	156	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_374m_317.D

Lab ID: 480-107100-2 MSD Client ID: SS7-17 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2.06	2.26	110	25	50	50-177	
PCB-1260	2.06	2.55	124	31	50	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: MB 480-324269/1-A

Matrix: Solid Date Extracted: 10/07/2016 06:14

Lab File ID:(1) 12_374m_314.D Lab File ID:(2) 12_374m_314.D

Date Analyzed:(1) 10/08/2016 15:03 Date Analyzed:(2) 10/08/2016 15:03

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-35 ID: 0.53(mm) GC Column:(2) ZB-5 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-324269/2-A	10/08/2016 15:19	10/08/2016 15:19
SS7-17 MS	480-107100-2 MS	10/08/2016 15:34	10/08/2016 15:34
SS7-17 MSD	480-107100-2 MSD	10/08/2016 15:49	10/08/2016 15:49
SS7-17	480-107100-2	10/08/2016 16:05	10/08/2016 16:05
SS7-16	480-107100-1	10/08/2016 16:20	10/08/2016 16:20
SS7-18	480-107100-3	10/08/2016 16:35	10/08/2016 16:35
SS7-19	480-107100-4	10/08/2016 16:51	10/08/2016 16:51
SS7-20	480-107100-5	10/08/2016 17:06	10/08/2016 17:06
SS7-21	480-107100-6	10/08/2016 17:21	10/08/2016 17:21
SS7-22	480-107100-7	10/08/2016 17:37	10/08/2016 17:37
SS7-23	480-107100-8	10/08/2016 17:52	10/08/2016 17:52
SS7-24	480-107100-9	10/08/2016 18:07	10/08/2016 18:07
SS7-25	480-107100-10	10/08/2016 18:23	10/08/2016 18:23
SS7-26	480-107100-11	10/08/2016 18:38	10/08/2016 18:38
SS7-27	480-107100-12	10/08/2016 18:53	10/08/2016 18:53
SS7-DUP3	480-107100-13	10/08/2016 19:09	10/08/2016 19:09

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: MB 480-324647/1-A

Matrix: Water Date Extracted: 10/10/2016 07:50

Lab File ID:(1) 6_11-214.D Lab File ID:(2) 6_11-214.D

Date Analyzed:(1) 10/11/2016 01:06 Date Analyzed:(2) 10/11/2016 01:06

Instrument ID:(1) HP6890-6 Instrument ID:(2) HP6890-6

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-324647/2-A	10/11/2016 01:21	10/11/2016 01:21
SS7-RINSE BLANK	480-107100-14	10/11/2016 07:16	10/11/2016 07:16

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: ICIS 480-299978/4 Date Analyzed: 05/04/2016 17:39

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_364m_016.D Heated Purge: (Y/N) N

Calibration ID: 27386

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1405777	1.24				
UPPER LIMIT		2811554	1.74				
LOWER LIMIT		702889	0.74				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-324559/4		1309730	1.15				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: ICIS 480-299978/4 Date Analyzed: 05/04/2016 17:39

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_364m_016.D Heated Purge: (Y/N) N

Calibration ID: 27387

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1112534	1.70				
UPPER LIMIT		2225068	2.20				
LOWER LIMIT		556267	1.20				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-324559/4		1068754	1.58				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: CCVIS 480-324559/4 Date Analyzed: 10/08/2016 13:31

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_374m_308.D Heated Purge: (Y/N) N

Calibration ID: 27398

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1309730	1.15				
UPPER LIMIT		2619460	1.65				
LOWER LIMIT		654865	0.65				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-324559/5		1287820	1.15				
CCV 480-324559/6		1289456	1.15				
CCV 480-324559/7		1289634	1.15				
CCV 480-324559/8		1274451	1.15				
MB 480-324269/1-A		999335	1.15				
LCS 480-324269/2-A		1039114	1.15				
480-107100-2 MS	SS7-17 MS	1019238	1.15				
480-107100-2 MSD	SS7-17 MSD	1129729	1.15				
480-107100-2	SS7-17	1050044	1.15				
480-107100-1	SS7-16	1082148	1.15				
480-107100-3	SS7-18	1027255	1.15				
480-107100-4	SS7-19	1123142	1.15				
480-107100-5	SS7-20	1022146	1.15				
480-107100-6	SS7-21	1038902	1.15				
480-107100-7	SS7-22	1029725	1.15				
480-107100-8	SS7-23	1051770	1.15				
480-107100-9	SS7-24	1108111	1.15				
480-107100-10	SS7-25	1037172	1.15				
480-107100-11	SS7-26	1241441	1.15				
480-107100-12	SS7-27	1116022	1.15				
480-107100-13	SS7-DUP3	1103762	1.15				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: CCVIS 480-324559/4 Date Analyzed: 10/08/2016 13:31

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_374m_308.D Heated Purge: (Y/N) N

Calibration ID: 27399

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1068754	1.58				
UPPER LIMIT		2137508	2.08				
LOWER LIMIT		534377	1.08				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-324559/5		1043693	1.58				
CCV 480-324559/6		1037237	1.58				
CCV 480-324559/7		1042380	1.58				
CCV 480-324559/8		1035591	1.58				
MB 480-324269/1-A		849265	1.58				
LCS 480-324269/2-A		878488	1.58				
480-107100-2 MS	SS7-17 MS	864598	1.58				
480-107100-2 MSD	SS7-17 MSD	952488	1.58				
480-107100-2	SS7-17	893558	1.58				
480-107100-1	SS7-16	919183	1.58				
480-107100-3	SS7-18	873342	1.58				
480-107100-4	SS7-19	950844	1.58				
480-107100-5	SS7-20	862707	1.58				
480-107100-6	SS7-21	882748	1.58				
480-107100-7	SS7-22	885097	1.58				
480-107100-8	SS7-23	899762	1.58				
480-107100-9	SS7-24	940096	1.58				
480-107100-10	SS7-25	883673	1.58				
480-107100-11	SS7-26	1040879	1.58				
480-107100-12	SS7-27	954186	1.58				
480-107100-13	SS7-DUP3	936971	1.58				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: ICIS 480-320599/5 Date Analyzed: 09/15/2016 20:32

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 6_10-149.D Heated Purge: (Y/N) N

Calibration ID: 28347

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		29194051	1.16				
UPPER LIMIT		58388102	1.66				
LOWER LIMIT		14597026	0.66				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-324833/2		43476286	1.15				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: ICIS 480-320599/5 Date Analyzed: 09/15/2016 20:32

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 6_10-149.D Heated Purge: (Y/N) N

Calibration ID: 28348

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		52065101	1.14				
UPPER LIMIT		104130202	1.64				
LOWER LIMIT		26032551	0.64				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-324833/2		64356376	1.13				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: CCVIS 480-324833/2 Date Analyzed: 10/11/2016 00:35

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 6_11-212.D Heated Purge: (Y/N) N

Calibration ID: 28379

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		43476286	1.15				
UPPER LIMIT		86952572	1.65				
LOWER LIMIT		21738143	0.65				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-324647/1-A		34974085	1.15				
LCS 480-324647/2-A		38810050	1.15				
CCV 480-324833/12		45375093	1.15				
CCV 480-324833/13		45657726	1.15				
CCV 480-324833/14		45609684	1.15				
CCV 480-324833/15		45651290	1.15				
CCV 480-324833/16		45619787	1.15				
480-107100-14	SS7-RINSE BLANK	37238520	1.15				
CCV 480-324833/35		43323266	1.15				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Sample No.: CCVIS 480-324833/2 Date Analyzed: 10/11/2016 00:35

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 6_11-212.D Heated Purge: (Y/N) N

Calibration ID: 28380

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		64356376	1.13				
UPPER LIMIT		128712752	1.63				
LOWER LIMIT		32178188	0.63				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-324647/1-A		61225456	1.13				
LCS 480-324647/2-A		63144779	1.13				
CCV 480-324833/12		66900390	1.13				
CCV 480-324833/13		65600309	1.13				
CCV 480-324833/14		65676994	1.13				
CCV 480-324833/15		65984570	1.13				
CCV 480-324833/16		66057561	1.13				
480-107100-14	SS7-RINSE BLANK	63703790	1.13				
CCV 480-324833/35		64626065	1.13				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-16 Lab Sample ID: 480-107100-1

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 16:20 Date Analyzed (2): 10/08/2016 16:20

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	0.435	0.53	49.6
		2	4.36	4.33	4.39	0.236		
		3	4.45	4.42	4.48	0.390		
		4	4.59	4.56	4.62	0.583		
		5	5.02	4.99	5.05	0.995		
	2	1	2.97	2.94	3.00	0.752	0.88	
		2	3.23	3.20	3.26	0.682		
		3	3.40	3.37	3.43	0.955		
		4	3.59	3.57	3.63	0.846		
		5	3.77	3.74	3.80	1.15		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-17 MS Lab Sample ID: 480-107100-2 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 15:34 Date Analyzed (2): 10/08/2016 15:34

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.55	2.52	2.58	2.88	2.89	18.4
		2	2.86	2.83	2.89	2.94		
		3	3.07	3.04	3.10	2.75		
		4	3.16	3.13	3.19	3.15		
		5	3.28	3.25	3.31	2.73		
	2	1	1.74	1.71	1.77	2.68	3.47	
		2	2.05	2.02	2.08	3.23		
		3	2.19	2.16	2.22	3.39		
		4	2.26	2.23	2.29	3.29		
		5	2.30	2.27	2.33	4.78		
PCB-1260	1	1	5.02	4.99	5.05	4.21	3.49	13.7
		2	5.34	5.31	5.37	3.44		
		3	5.40	5.38	5.44	3.34		
		4	5.47	5.44	5.50	3.27		
		5	5.83	5.80	5.86	3.20		
	2	1	3.77	3.74	3.80	5.22	4.01	
		2	3.89	3.86	3.92	3.33		
		3	4.06	4.04	4.10	3.63		
		4	4.25	4.23	4.29	3.80		
		5	4.48	4.45	4.51	4.06		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-17 MSD Lab Sample ID: 480-107100-2 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 15:49 Date Analyzed (2): 10/08/2016 15:49

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.55	2.52	2.58	2.26	2.26	22.7
		2	2.86	2.83	2.89	2.26		
		3	3.07	3.04	3.10	2.17		
		4	3.16	3.13	3.19	2.41		
		5	3.28	3.25	3.31	2.18		
	2	1	1.74	1.71	1.77	2.60	2.83	
		2	2.05	2.02	2.08	2.70		
		3	2.19	2.16	2.22	2.57		
		4	2.26	2.23	2.29	2.58		
		5	2.30	2.27	2.33	3.72		
PCB-1260	1	1	5.02	4.99	5.05	3.12	2.55	7.7
		2	5.34	5.31	5.37	2.53		
		3	5.41	5.38	5.44	2.49		
		4	5.47	5.44	5.50	2.33		
		5	5.83	5.80	5.86	2.26		
	2	1	3.77	3.74	3.80	3.77	2.75	
		2	3.89	3.86	3.92	2.30		
		3	4.06	4.04	4.10	2.45		
		4	4.26	4.23	4.29	2.55		
		5	4.48	4.45	4.51	2.69		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-18 Lab Sample ID: 480-107100-3

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 16:35 Date Analyzed (2): 10/08/2016 16:35

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	0.585	0.73	29.6
		2	4.37	4.33	4.39	0.247		
		3	4.46	4.42	4.48	0.518		
		4	4.59	4.56	4.62	0.714		
		5	5.02	4.99	5.05	1.57		
	2	1	2.97	2.94	3.00	1.36	0.98	
		2	3.23	3.20	3.26	0.681		
		3	3.40	3.37	3.43	0.900		
		4	3.59	3.57	3.63	0.736		
		5	3.77	3.74	3.80	1.23		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-19 Lab Sample ID: 480-107100-4

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 16:51 Date Analyzed (2): 10/08/2016 16:51

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	0.913	1.0	47.5
		2	4.36	4.33	4.39	0.311		
		3	4.45	4.42	4.48	0.744		
		4	4.59	4.56	4.62	1.09		
		5	5.02	4.99	5.05	1.96		
	2	1	2.97	2.94	3.00	1.49	1.6	
		2	3.23	3.20	3.26	1.25		
		3	3.40	3.37	3.43	1.86		
		4	3.59	3.57	3.63	1.63		
		5	3.77	3.74	3.80	1.91		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-20 Lab Sample ID: 480-107100-5

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 17:06 Date Analyzed (2): 10/08/2016 17:06

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	1.11	1.2	23.7
		2	4.36	4.33	4.39	0.572		
		3	4.45	4.42	4.48	0.967		
		4	4.59	4.56	4.62	1.29		
		5	5.02	4.99	5.05	2.03		
	2	1	2.97	2.94	3.00	0.818	1.5	
		2	3.23	3.20	3.26	1.37		
		3	3.40	3.37	3.43	1.83		
		4	3.59	3.57	3.63	1.60		
		5	3.77	3.74	3.80	1.96		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-21 Lab Sample ID: 480-107100-6

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 17:21 Date Analyzed (2): 10/08/2016 17:21

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	0.289	0.34	55.3
		2	4.37	4.33	4.39	0.113		
		3	4.46	4.42	4.48	0.211		
		4	4.59	4.56	4.62	0.412		
		5	5.02	4.99	5.05	0.653		
	2	1	2.97	2.94	3.00	0.533	0.59	
		2	3.23	3.20	3.26	0.439		
		3	3.40	3.37	3.43	0.703		
		4	3.59	3.57	3.63	0.584		
		5	3.77	3.74	3.80	0.700		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-22 Lab Sample ID: 480-107100-7

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 17:37 Date Analyzed (2): 10/08/2016 17:37

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	1.02	1.3	27.7
		2	4.36	4.33	4.39	0.723		
		3	4.45	4.42	4.48	1.17		
		4	4.59	4.56	4.62	1.53		
		5	5.02	4.99	5.05	2.30		
	2	1	2.97	2.94	3.00	1.15	1.8	
		2	3.23	3.20	3.26	1.46		
		3	3.40	3.37	3.43	2.13		
		4	3.59	3.57	3.63	1.85		
		5	3.77	3.74	3.80	2.31		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-23 Lab Sample ID: 480-107100-8

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 17:52 Date Analyzed (2): 10/08/2016 17:52

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	1.10	1.4	32.1
		2	4.36	4.33	4.39	0.745		
		3	4.45	4.42	4.48	1.11		
		4	4.59	4.56	4.62	1.53		
		5	5.02	4.99	5.05	2.64		
	2	1	2.97	2.94	3.00	1.31	2.0	
		2	3.23	3.20	3.26	1.42		
		3	3.40	3.37	3.43	2.18		
		4	3.59	3.57	3.63	1.99		
		5	3.77	3.74	3.80	2.95		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-24 Lab Sample ID: 480-107100-9

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 18:07 Date Analyzed (2): 10/08/2016 18:07

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	0.364	0.39	50.7
		3	4.46	4.42	4.48	0.224		
		4	4.59	4.56	4.62	0.494		
		5	5.02	4.99	5.05	0.796		
	2	1	2.97	2.94	3.00	0.678	0.65	
		2	3.23	3.20	3.26	0.566		
		3	3.40	3.37	3.43	0.310		
		4	3.59	3.57	3.63	0.745		
		5	3.77	3.74	3.80	0.959		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-27 Lab Sample ID: 480-107100-12

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 18:53 Date Analyzed (2): 10/08/2016 18:53

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	0.225	0.32	44.8
		3	4.46	4.42	4.48	0.167		
		4	4.59	4.56	4.62	0.375		
		5	5.02	4.99	5.05	0.520		
	2	1	2.97	2.94	3.00	0.469	0.51	
		2	3.23	3.20	3.26	0.382		
		3	3.40	3.37	3.43	0.594		
		4	3.59	3.57	3.63	0.463		
		5	3.77	3.74	3.80	0.629		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-DUP3 Lab Sample ID: 480-107100-13

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 19:09 Date Analyzed (2): 10/08/2016 19:09

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	4.06	4.02	4.08	0.239	0.32	9.4
		3	4.45	4.42	4.48	0.217		
		4	4.59	4.56	4.62	0.427		
		5	5.02	4.99	5.05	0.656		
	2	1	2.97	2.94	3.00	0.175	0.36	
		2	3.23	3.20	3.26	0.287		
		3	3.40	3.37	3.43	0.494		
		4	3.59	3.57	3.63	0.366		
		5	3.77	3.74	3.80	0.461		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-324269/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 10/08/2016 15:19 Date Analyzed (2): 10/08/2016 15:19

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.55	2.52	2.58	2.24	2.27	31.1
		2	2.86	2.83	2.89	2.30		
		3	3.07	3.04	3.10	2.18		
		4	3.16	3.13	3.19	2.48		
		5	3.28	3.25	3.31	2.17		
	2	1	1.74	1.71	1.77	2.92	3.11	
		2	2.05	2.02	2.08	2.99		
		3	2.19	2.16	2.22	2.74		
		4	2.26	2.23	2.29	2.75		
		5	2.30	2.27	2.33	4.13		
PCB-1260	1	1	5.02	4.99	5.05	3.00	2.61	13.7
		2	5.34	5.31	5.37	2.53		
		3	5.41	5.38	5.44	2.48		
		4	5.47	5.44	5.50	2.55		
		5	5.83	5.80	5.86	2.49		
	2	1	3.77	3.74	3.80	3.62	2.99	
		2	3.89	3.86	3.92	2.56		
		3	4.06	4.04	4.10	2.76		
		4	4.26	4.23	4.29	2.94		
		5	4.48	4.45	4.51	3.08		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-324647/2-A

Instrument ID (1): HP6890-6 Instrument ID (2): HP6890-6

Date Analyzed (1): 10/11/2016 01:21 Date Analyzed (2): 10/11/2016 01:21

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.75	2.72	2.78	2.75	2.91	11.9
		2	2.90	2.88	2.94	3.12		
		3	3.12	3.09	3.15	2.47		
		4	3.20	3.17	3.23	3.10		
		5	3.27	3.24	3.30	3.12		
	2	1	2.57	2.54	2.60	2.51	2.59	
		2	2.90	2.87	2.93	2.57		
		3	3.02	2.99	3.05	2.65		
		4	3.12	3.08	3.14	2.49		
		5	3.40	3.37	3.43	2.71		
PCB-1260	1	1	5.01	4.98	5.04	2.91	2.30	0.7
		2	5.14	5.11	5.17	2.26		
		3	5.33	5.30	5.36	2.17		
		4	5.53	5.51	5.57	1.85		
		5	5.77	5.75	5.81	2.33		
	2	1	4.79	4.76	4.82	3.07	2.32	
		2	4.84	4.81	4.87	2.17		
		3	5.11	5.08	5.14	2.18		
		4	5.24	5.21	5.27	1.98		
		5	5.58	5.55	5.61	2.20		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-16 | Lab Sample ID: 480-107100-1

Matrix: Solid | Lab File ID: 12_374m_319.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:26

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.35(g) | Date Analyzed: 10/08/2016 16:20

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 15.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.25	0.049
11104-28-2	PCB-1221	ND		0.25	0.049
11141-16-5	PCB-1232	ND		0.25	0.049
53469-21-9	PCB-1242	ND		0.25	0.049
12672-29-6	PCB-1248	ND		0.25	0.049
11097-69-1	PCB-1254	0.53		0.25	0.12
11096-82-5	PCB-1260	ND		0.25	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	135		60-154
2051-24-3	DCB Decachlorobiphenyl	130		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_319.D
Lims ID: 480-107100-A-1-A
Client ID: SS7-16
Sample Type: Client
Inject. Date: 08-Oct-2016 16:20:33 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:54:13 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:54:13

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1082148	0.5000	
2	1.581	1.580	0.001	919183	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	61202	0.0247	
2	2.146	2.146	0.000	42189	0.0270	
					RPD = 8.92	
11 PCB-1254						M
1	2.967	2.966	0.001	22800	0.1486	M
1	3.225	3.225	0.000	27727	0.1349	M
1	3.402	3.402	0.000	39459	0.1887	M
1	3.592	3.595	-0.003	22876	0.1673	M
1	3.767	3.768	-0.001	43653	0.2268	M
		Average of Peak Amounts =			0.1733	
2	4.057	4.054	0.003	9600	0.0861	
2	4.363	4.364	-0.001	3135	0.0468	
2	4.453	4.452	0.001	12783	0.0771	
2	4.593	4.585	0.008	21103	0.1153	
2	5.021	5.021	0.000	23991	0.1967	
		Average of Peak Amounts =			0.1044	
					RPD = 49.62	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						
1	4.476	4.479	-0.003	3068	NC	
2	5.347	5.341	0.005	5144	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	101112	0.0273	
2	7.060	7.062	-0.002	79885	0.0260	
					RPD = 4.91	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

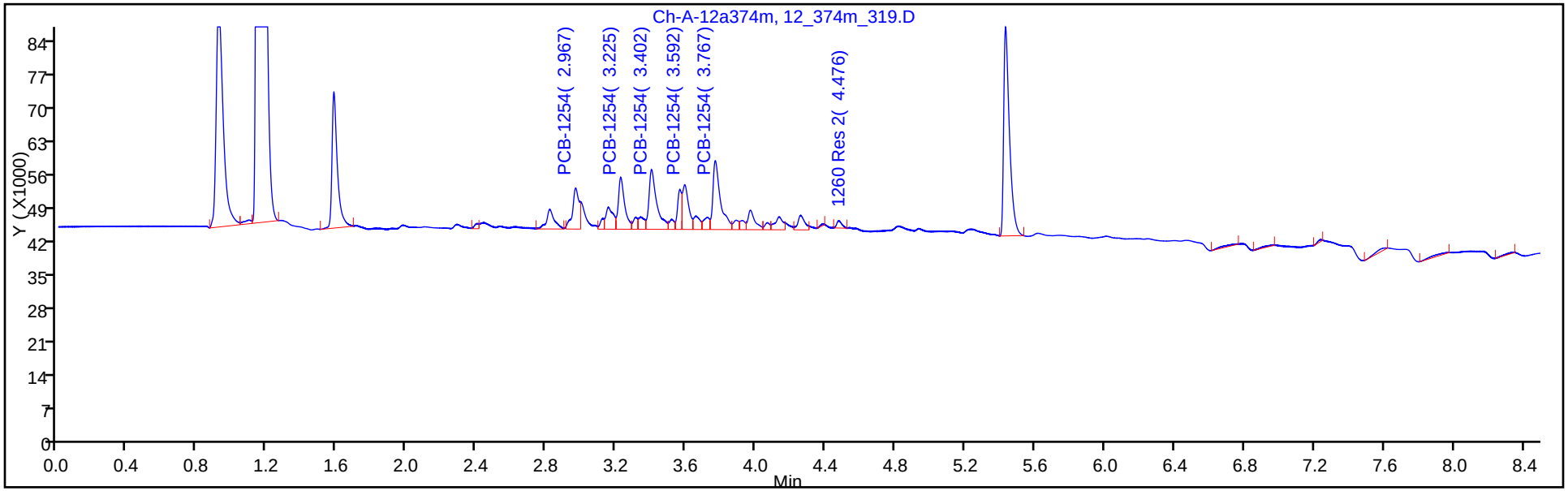
Report Date: 10-Oct-2016 12:54:14 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

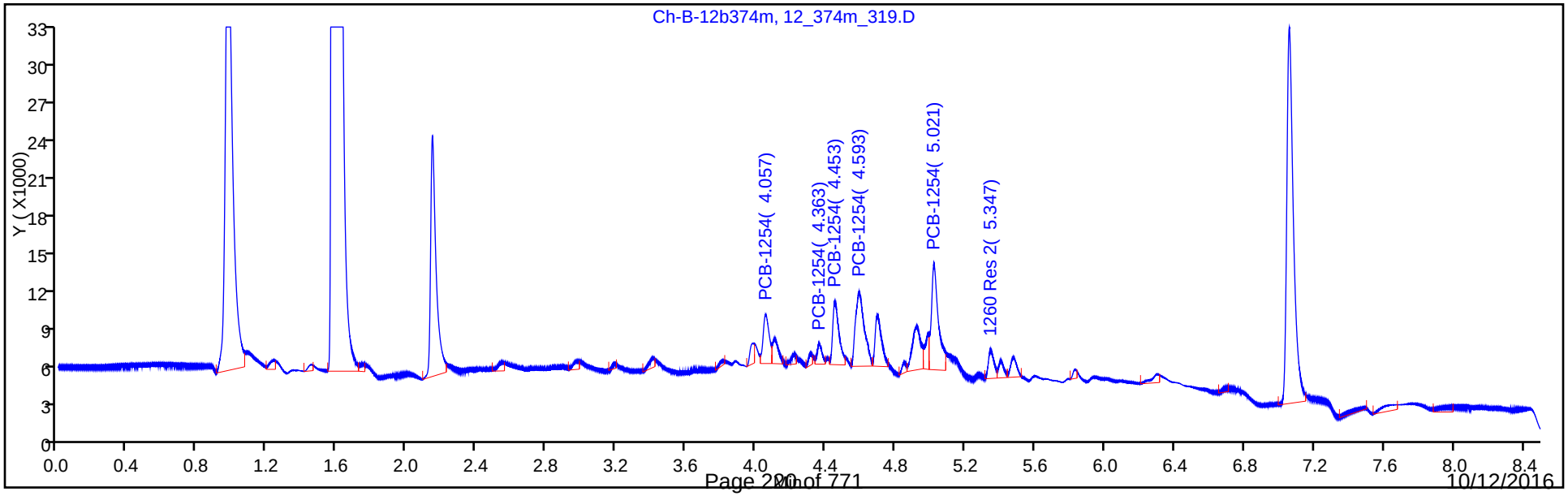
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_319.D

Injection Date:	08-Oct-2016 16:20:33	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-1-A	Lab Sample ID:	480-107100-1	Worklist Smp#:	15
Client ID:	SS7-16				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_319.D
Lims ID: 480-107100-A-1-A
Client ID: SS7-16
Sample Type: Client
Inject. Date: 08-Oct-2016 16:20:33 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:54:13 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:54:13

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0247	123.33
$ 15 DCB Decachlorobiphenyl	0.0200	0.0273	136.50

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0270	134.84
$ 15 DCB Decachlorobiphenyl	0.0200	0.0260	129.97

Report Date: 10-Oct-2016 12:54:14 Chrom Revision: 2.2 08-Sep-2016 14:45:52

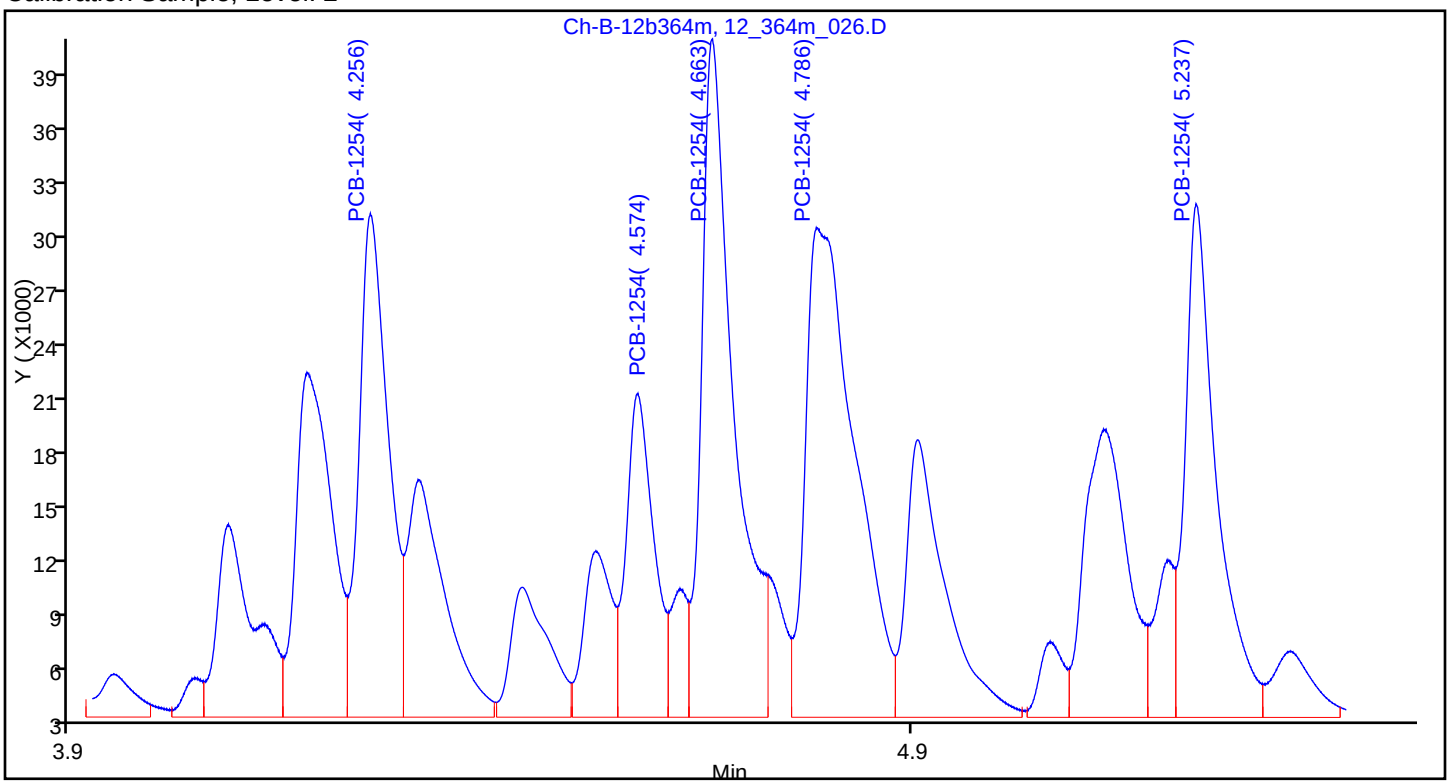
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_319.D

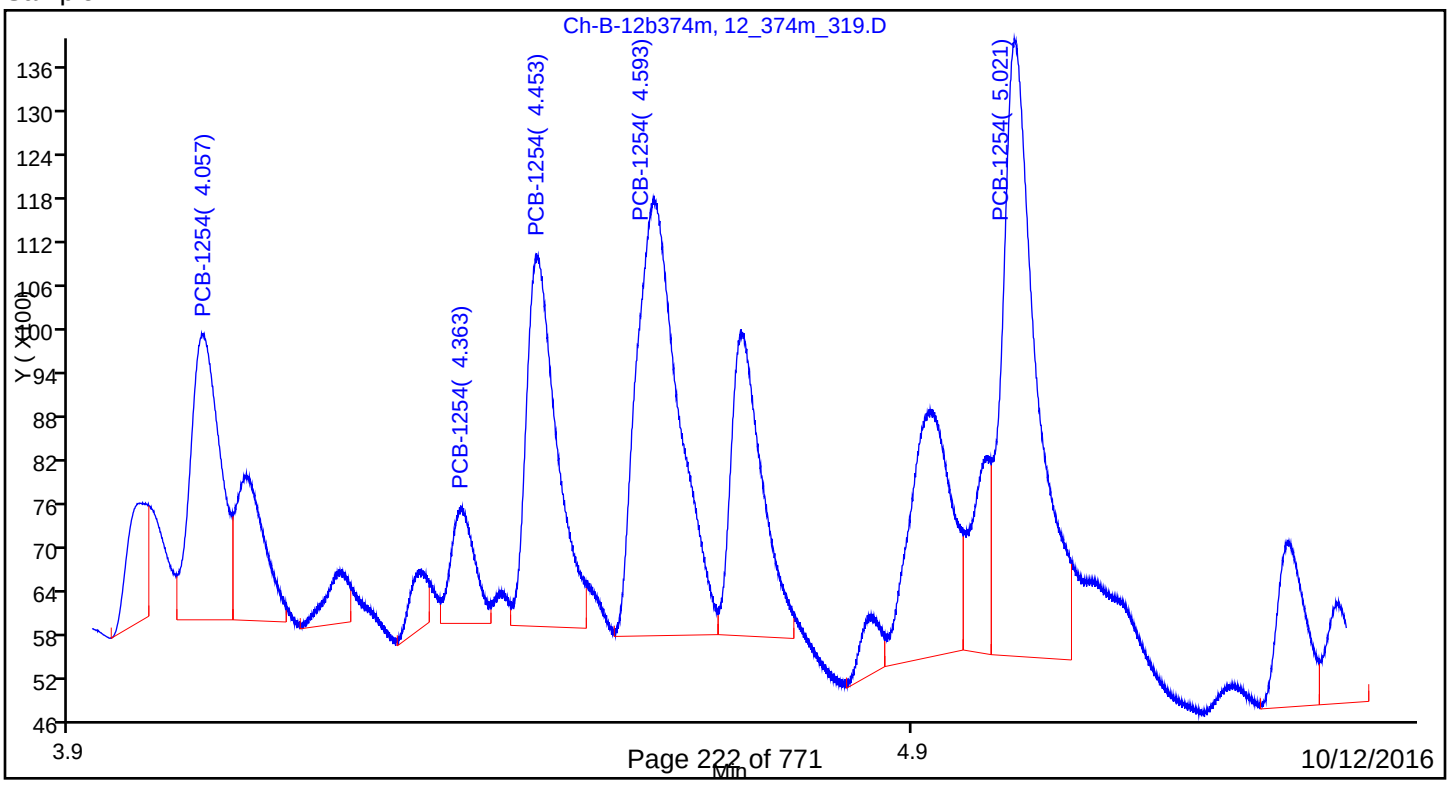
Injection Date:	08-Oct-2016 16:20:33	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-1-A	Lab Sample ID:	480-107100-1		
Client ID:	SS7-16				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-17 | Lab Sample ID: 480-107100-2

Matrix: Solid | Lab File ID: 12_374m_318.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:29

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.57(g) | Date Analyzed: 10/08/2016 16:05

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.23	0.045
11104-28-2	PCB-1221	ND		0.23	0.045
11141-16-5	PCB-1232	ND		0.23	0.045
53469-21-9	PCB-1242	ND		0.23	0.045
12672-29-6	PCB-1248	ND		0.23	0.045
11097-69-1	PCB-1254	ND		0.23	0.11
11096-82-5	PCB-1260	ND		0.23	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	132		60-154
2051-24-3	DCB Decachlorobiphenyl	124		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_318.D
Lims ID: 480-107100-A-2-C
Client ID: SS7-17
Sample Type: Client
Inject. Date: 08-Oct-2016 16:05:13 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:52:32 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:53:02

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1050044	0.5000	
2	1.581	1.580	0.001	893558	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	59373	0.0247	
2	2.146	2.146	0.000	40179	0.0264	
					RPD = 6.89	
11 PCB-1254						
1	2.965	2.966	-0.001	2198	0.0148	
1	3.227	3.225	0.002	2903	0.0146	
1	3.405	3.402	0.003	6778	0.0334	
1	3.593	3.595	-0.002	3355	0.0253	
1	3.769	3.768	0.001	4948	0.0265	
		Average of Peak Amounts =			0.0229	
2	4.057	4.054	0.003	705	0.006504	
2	0.000	4.364	-4.364	0	0	
2	4.455	4.452	0.003	693	0.004298	
2	4.592	4.585	0.007	3160	0.0178	
2	5.023	5.021	0.002	4985	0.0420	
		Average of Peak Amounts =			0.0177	
					RPD = 25.89	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	93708	0.0261	
2	7.059	7.062	-0.003	73949	0.0248	
					RPD = 5.21	

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

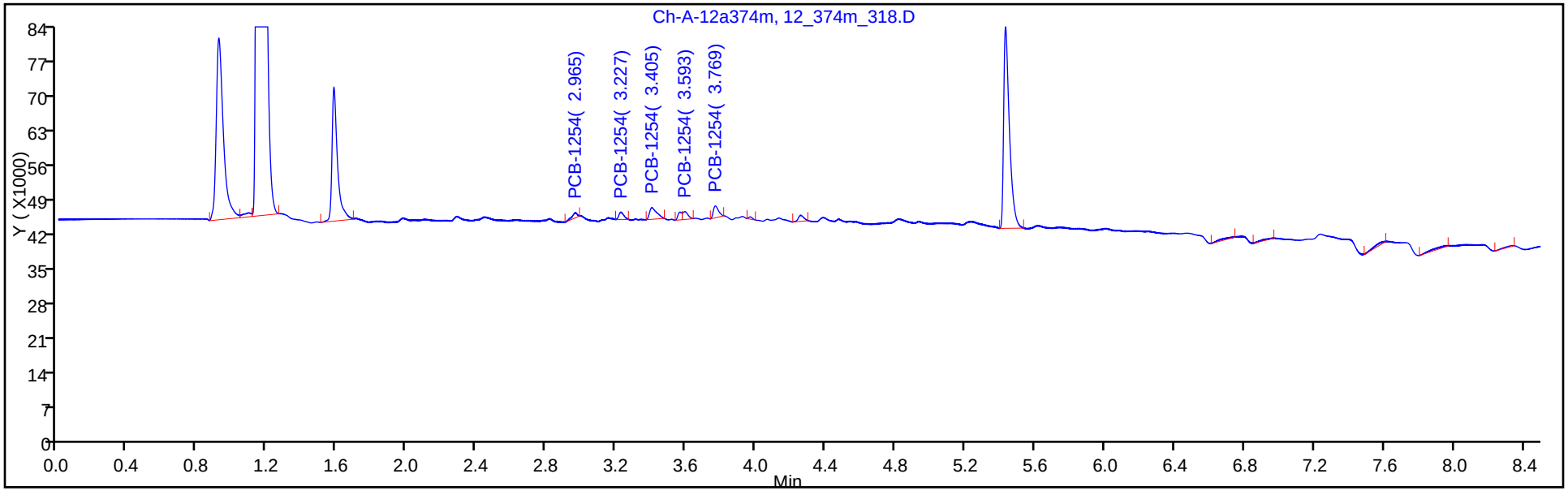
Report Date: 10-Oct-2016 12:53:02 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

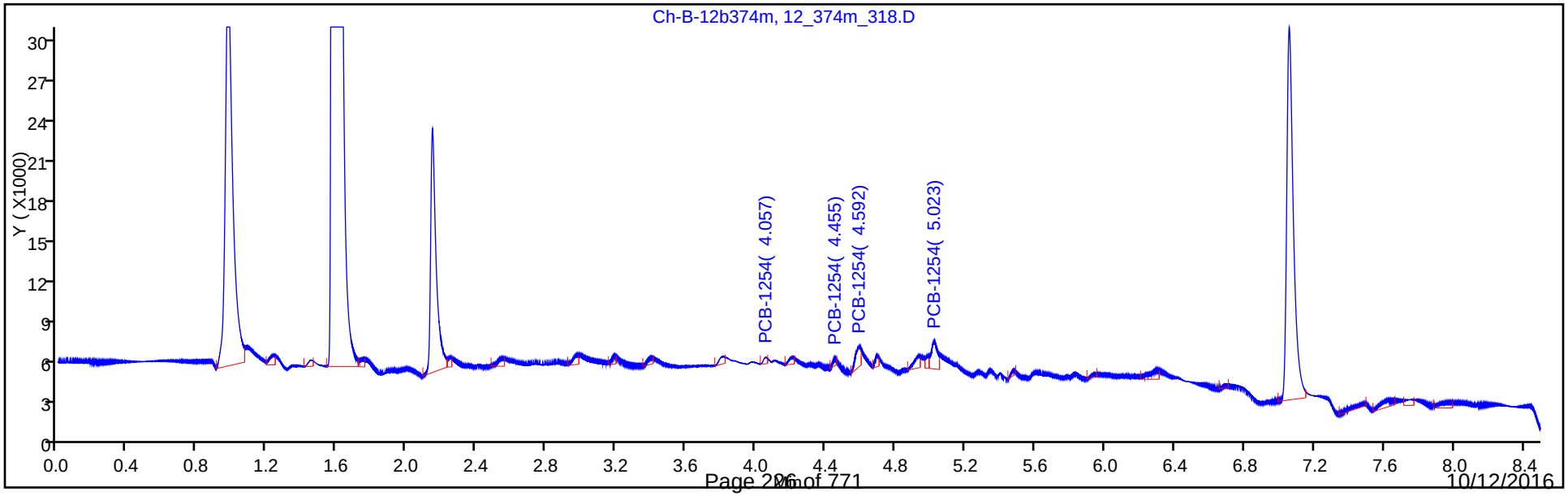
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_318.D

Injection Date:	08-Oct-2016 16:05:13	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-2-C	Lab Sample ID:	480-107100-2	Worklist Smp#:	14
Client ID:	SS7-17				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_318.D
Lims ID: 480-107100-A-2-C
Client ID: SS7-17
Sample Type: Client
Inject. Date: 08-Oct-2016 16:05:13 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:52:32 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:53:02

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0247	123.30
$ 15 DCB Decachlorobiphenyl	0.0200	0.0261	130.38

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0264	132.10
$ 15 DCB Decachlorobiphenyl	0.0200	0.0248	123.76

Report Date: 10-Oct-2016 12:53:03 Chrom Revision: 2.2 08-Sep-2016 14:45:52

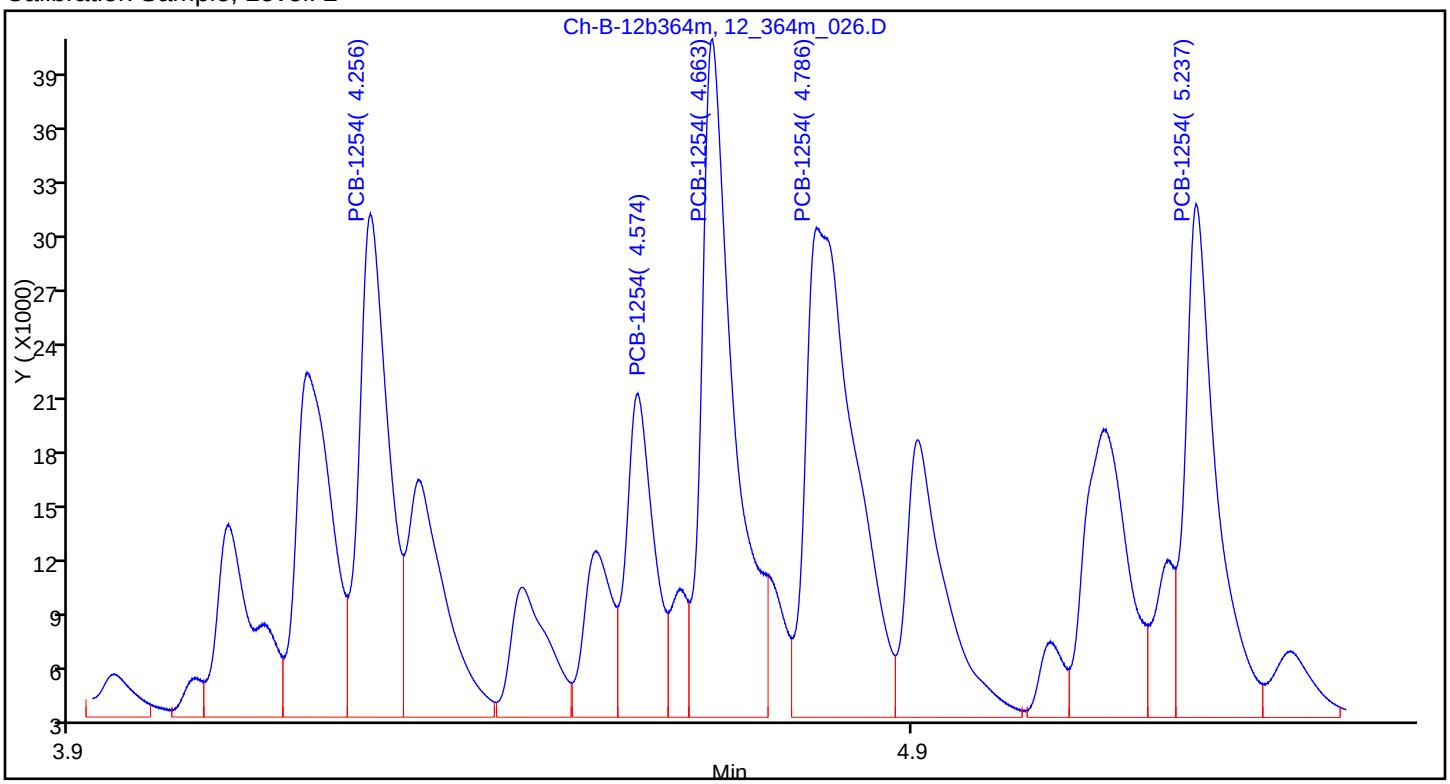
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_318.D

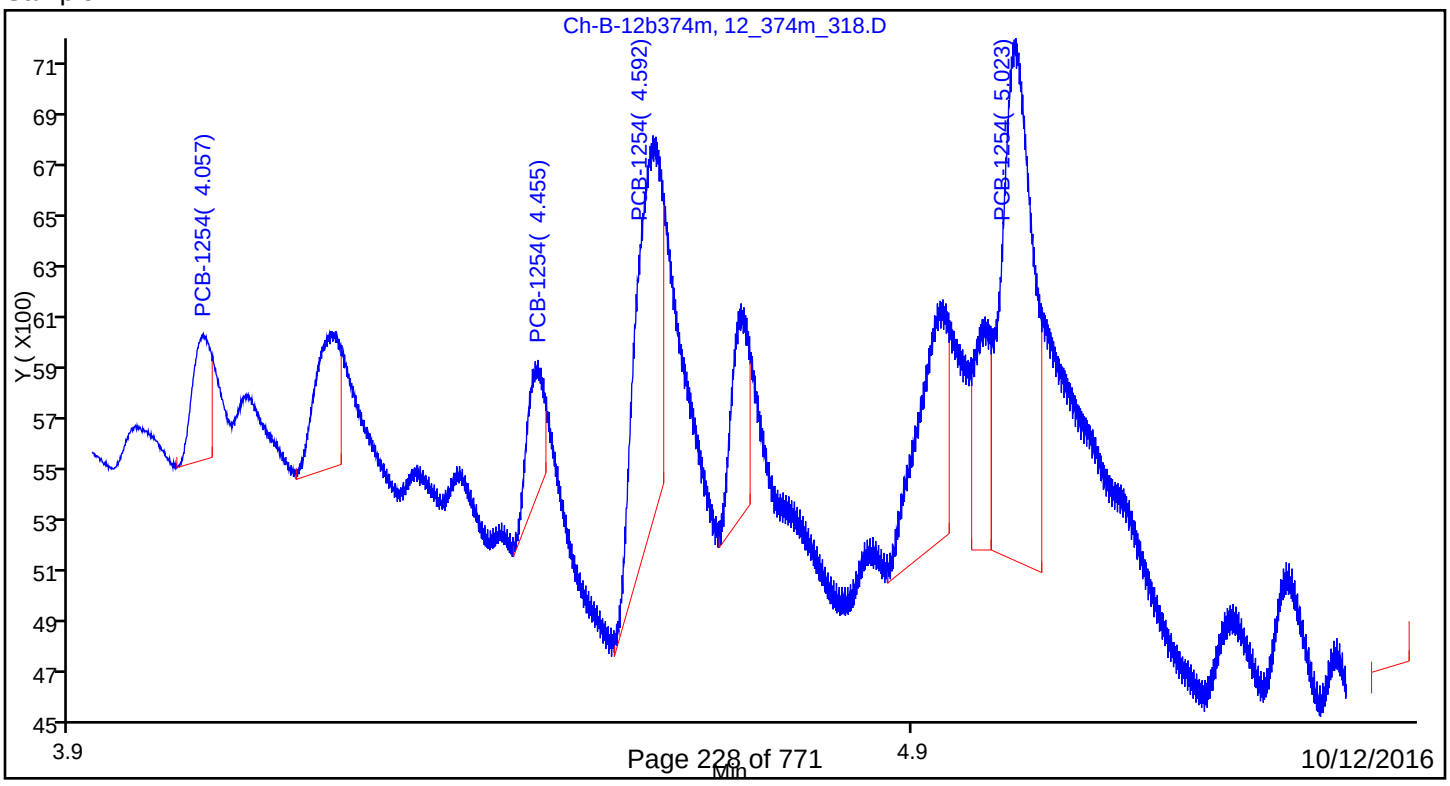
Injection Date:	08-Oct-2016 16:05:13	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-2-C	Lab Sample ID:	480-107100-2		
Client ID:	SS7-17				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-18 | Lab Sample ID: 480-107100-3

Matrix: Solid | Lab File ID: 12_374m_320.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:30

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.23(g) | Date Analyzed: 10/08/2016 16:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 25.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.30	0.059
11104-28-2	PCB-1221	ND		0.30	0.059
11141-16-5	PCB-1232	ND		0.30	0.059
53469-21-9	PCB-1242	ND		0.30	0.059
12672-29-6	PCB-1248	ND		0.30	0.059
11097-69-1	PCB-1254	0.73		0.30	0.14
11096-82-5	PCB-1260	ND		0.30	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	126		60-154
2051-24-3	DCB Decachlorobiphenyl	112		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_320.D
Lims ID: 480-107100-A-3-A
Client ID: SS7-18
Sample Type: Client
Inject. Date: 08-Oct-2016 16:35:54 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:54:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:54:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1027255	0.5000	
2	1.581	1.580	0.001	873342	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	54769	0.0233	
2	2.146	2.146	0.000	37519	0.0252	
					RPD = 8.20	
11 PCB-1254						
1	2.967	2.966	0.001	33022	0.2267	
1	3.225	3.225	0.000	22194	0.1138	
1	3.402	3.402	0.000	29862	0.1505	
1	3.593	3.595	-0.002	15962	0.1230	
1	3.767	3.768	-0.001	37449	0.2049	
		Average of Peak Amounts =			0.1638	
2	4.057	4.054	0.003	10353	0.0977	
2	4.365	4.364	0.001	2628	0.0413	
2	4.455	4.452	0.003	13637	0.0865	
2	4.592	4.585	0.007	20753	0.1193	
2	5.022	5.021	0.001	30442	0.2627	
		Average of Peak Amounts =			0.1215	
					RPD = 29.63	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						
1	4.477	4.479	-0.003	3940	NC	
2	5.347	5.341	0.005	6225	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	83043	0.0236	
2	7.060	7.062	-0.002	65272	0.0224	
					RPD = 5.51	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

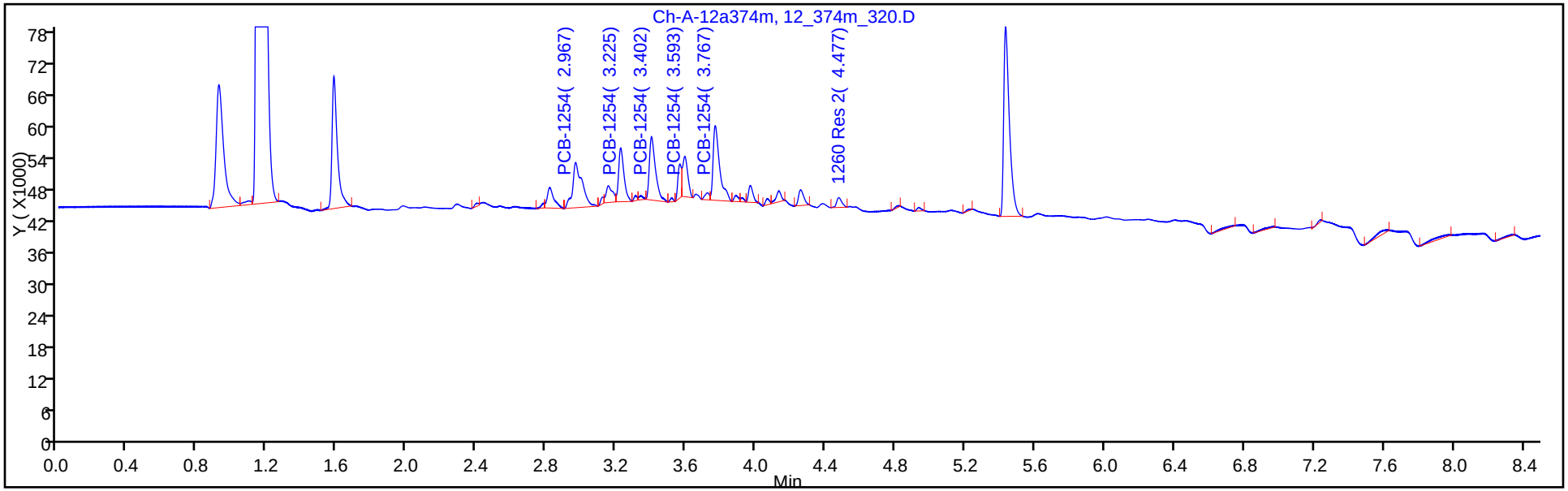
Report Date: 10-Oct-2016 12:54:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

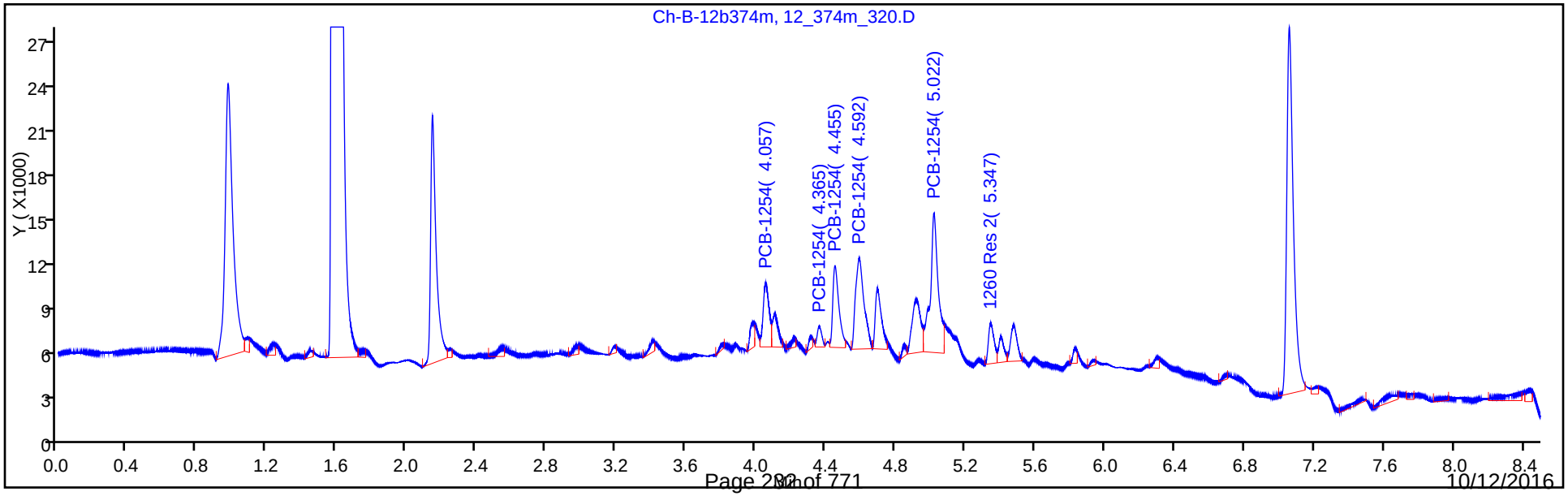
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_320.D

Injection Date:	08-Oct-2016 16:35:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-3-A	Lab Sample ID:	480-107100-3	Worklist Smp#:	16
Client ID:	SS7-18				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_320.D
Lims ID: 480-107100-A-3-A
Client ID: SS7-18
Sample Type: Client
Inject. Date: 08-Oct-2016 16:35:54 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:54:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:54:44

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0233	116.26
$ 15 DCB Decachlorobiphenyl	0.0200	0.0236	118.10

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0252	126.21
$ 15 DCB Decachlorobiphenyl	0.0200	0.0224	111.77

Report Date: 10-Oct-2016 12:54:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

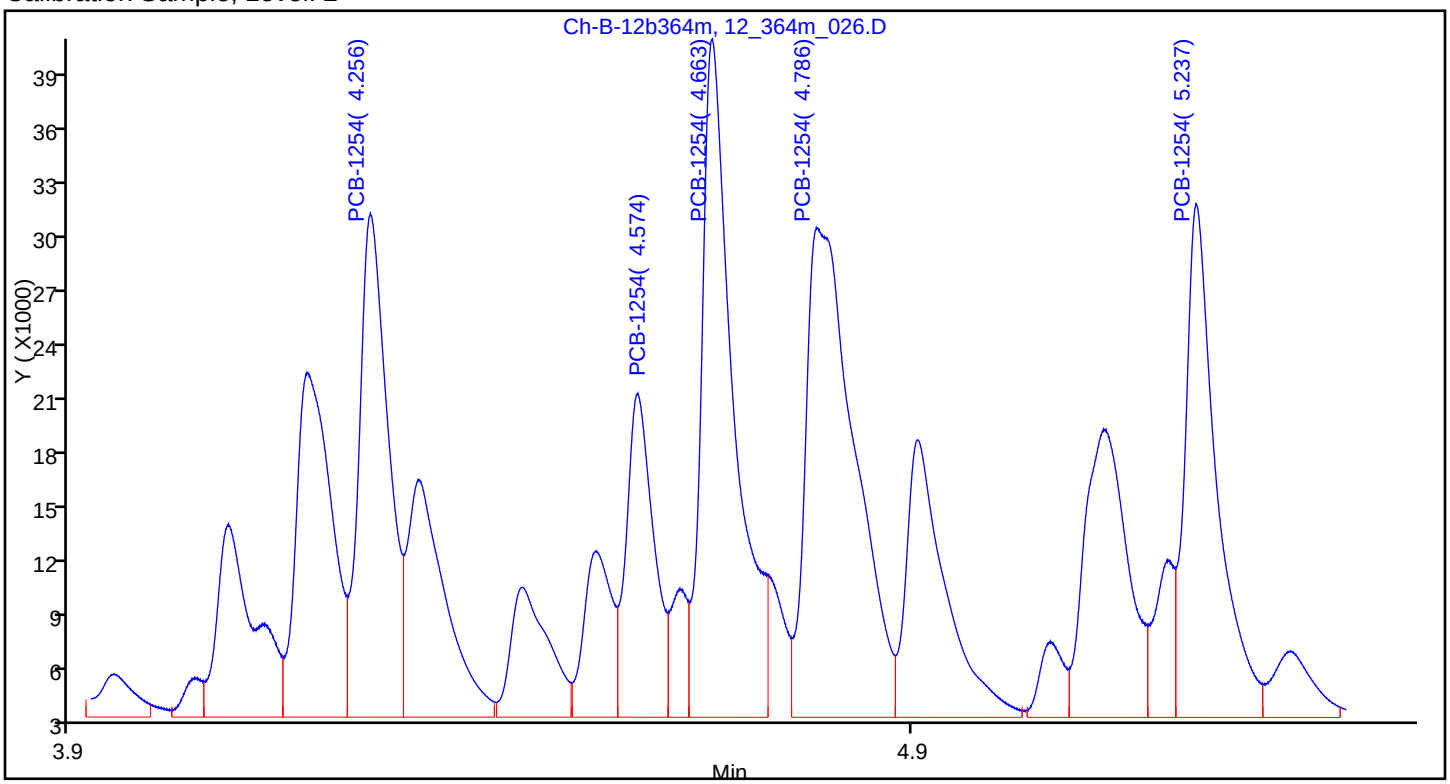
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_320.D

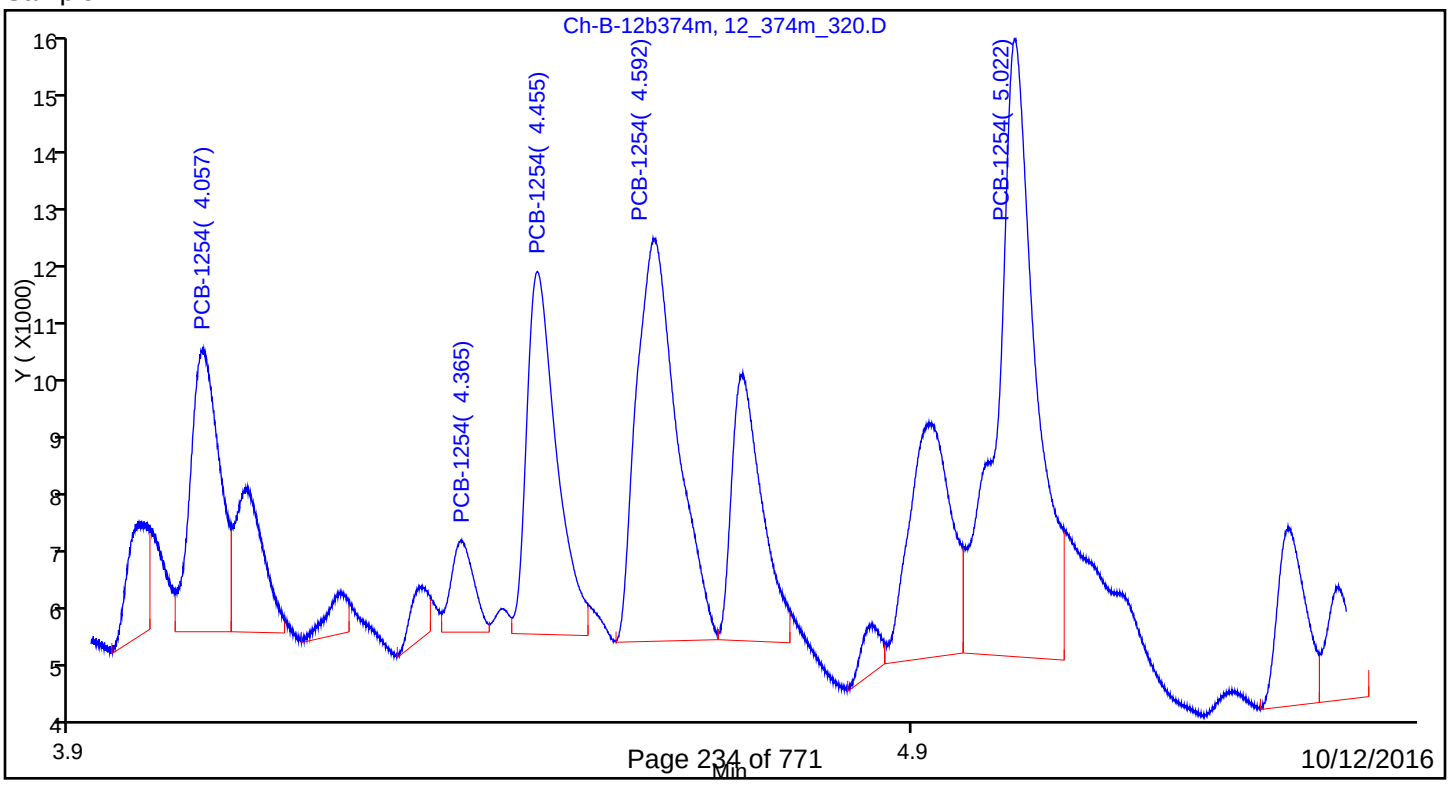
Injection Date:	08-Oct-2016 16:35:54	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-3-A	Lab Sample ID:	480-107100-3		
Client ID:	SS7-18				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-19 | Lab Sample ID: 480-107100-4

Matrix: Solid | Lab File ID: 12_374m_321.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:31

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.26(g) | Date Analyzed: 10/08/2016 16:51

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 31.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.32	0.063
11104-28-2	PCB-1221	ND		0.32	0.063
11141-16-5	PCB-1232	ND		0.32	0.063
53469-21-9	PCB-1242	ND		0.32	0.063
12672-29-6	PCB-1248	ND		0.32	0.063
11097-69-1	PCB-1254	1.0		0.32	0.15
11096-82-5	PCB-1260	ND		0.32	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	130		60-154
2051-24-3	DCB Decachlorobiphenyl	114		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_321.D
Lims ID: 480-107100-A-4-A
Client ID: SS7-19
Sample Type: Client
Inject. Date: 08-Oct-2016 16:51:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:55:01 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:55:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1123142	0.5000	
2	1.581	1.580	0.001	950844	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	60850	0.0236	
2	2.146	2.146	0.000	41925	0.0259	
					RPD = 9.20	
11 PCB-1254						M
1	2.967	2.966	0.001	36908	0.2318	M
1	3.225	3.225	0.000	41402	0.1941	M
1	3.402	3.402	0.000	62751	0.2892	M
1	3.593	3.595	-0.002	35964	0.2534	M
1	3.767	3.768	-0.001	59460	0.2976	M
		Average of Peak Amounts =			0.2532	
2	4.057	4.054	0.003	16375	0.1420	
2	4.363	4.364	-0.001	3352	0.0483	
2	4.453	4.452	0.001	19858	0.1157	
2	4.591	4.585	0.006	32148	0.1698	
2	5.021	5.021	0.000	38437	0.3047	
		Average of Peak Amounts =			0.1561	
					RPD = 47.46	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						M
1	4.475	4.479	-0.004	7418	NC	M
2	5.348	5.341	0.007	8395	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	90352	0.0235	
2	7.060	7.062	-0.002	72283	0.0227	
					RPD = 3.33	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

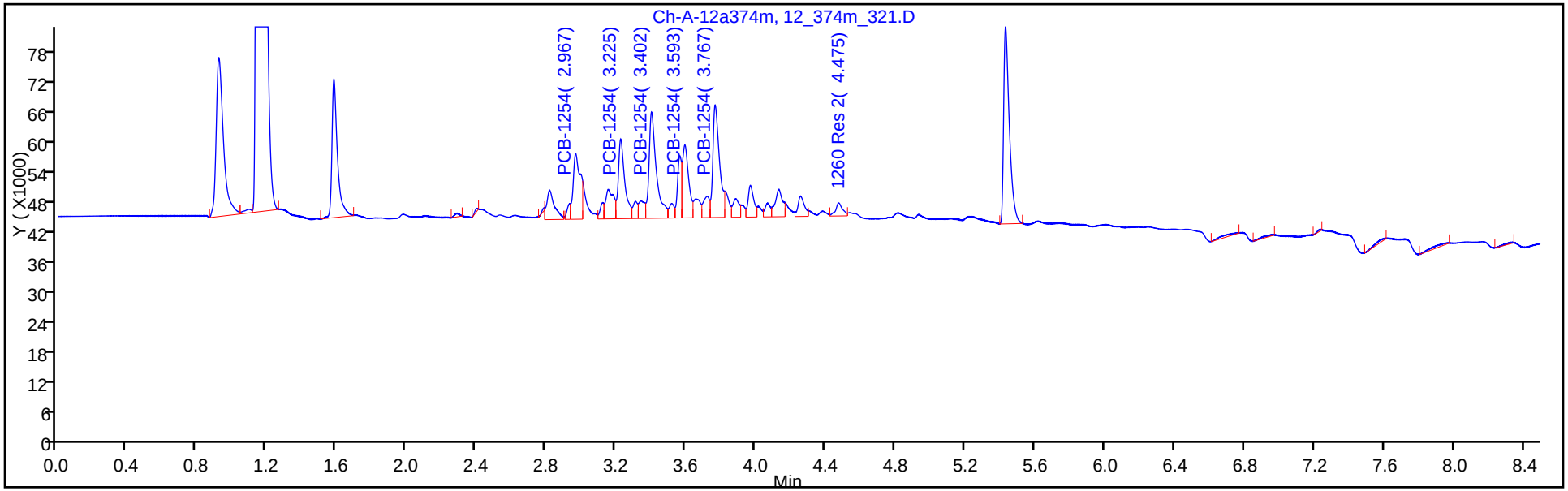
Report Date: 10-Oct-2016 12:55:02 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

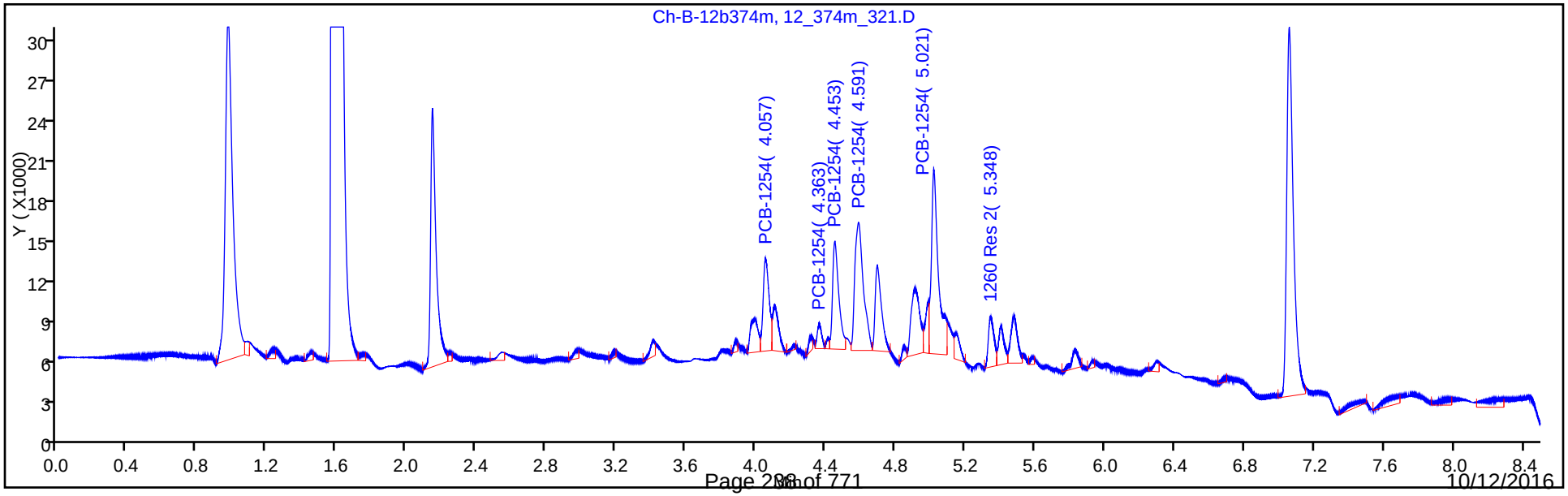
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_321.D

Injection Date:	08-Oct-2016 16:51:14	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-4-A	Lab Sample ID:	480-107100-4	Worklist Smp#:	17
Client ID:	SS7-19				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_321.D
Lims ID: 480-107100-A-4-A
Client ID: SS7-19
Sample Type: Client
Inject. Date: 08-Oct-2016 16:51:14 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:55:01 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:55:01

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0236	118.14
$ 15 DCB Decachlorobiphenyl	0.0200	0.0235	117.53

Surrogate Recovery, Detector: Ch-B-7b136

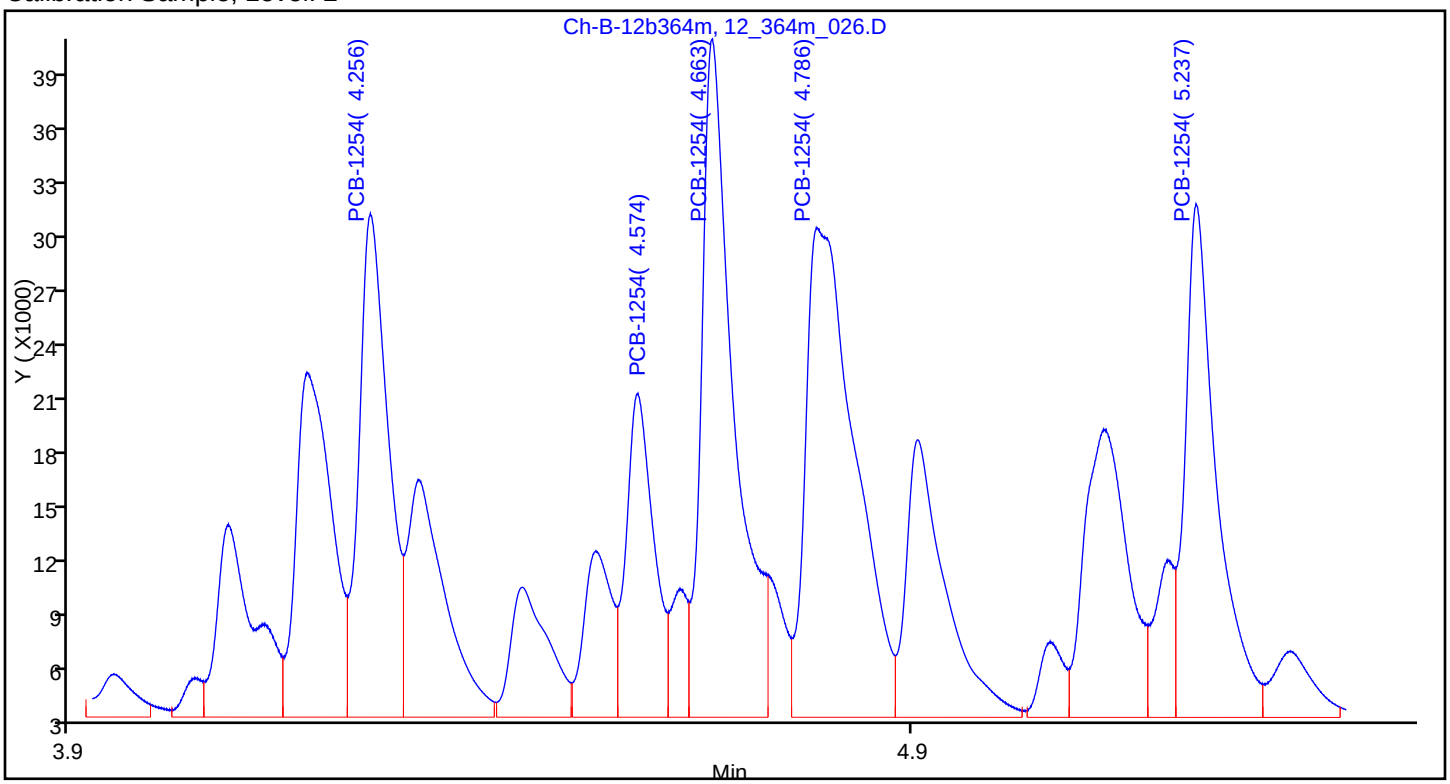
Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0259	129.53
$ 15 DCB Decachlorobiphenyl	0.0200	0.0227	113.68

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_321.D

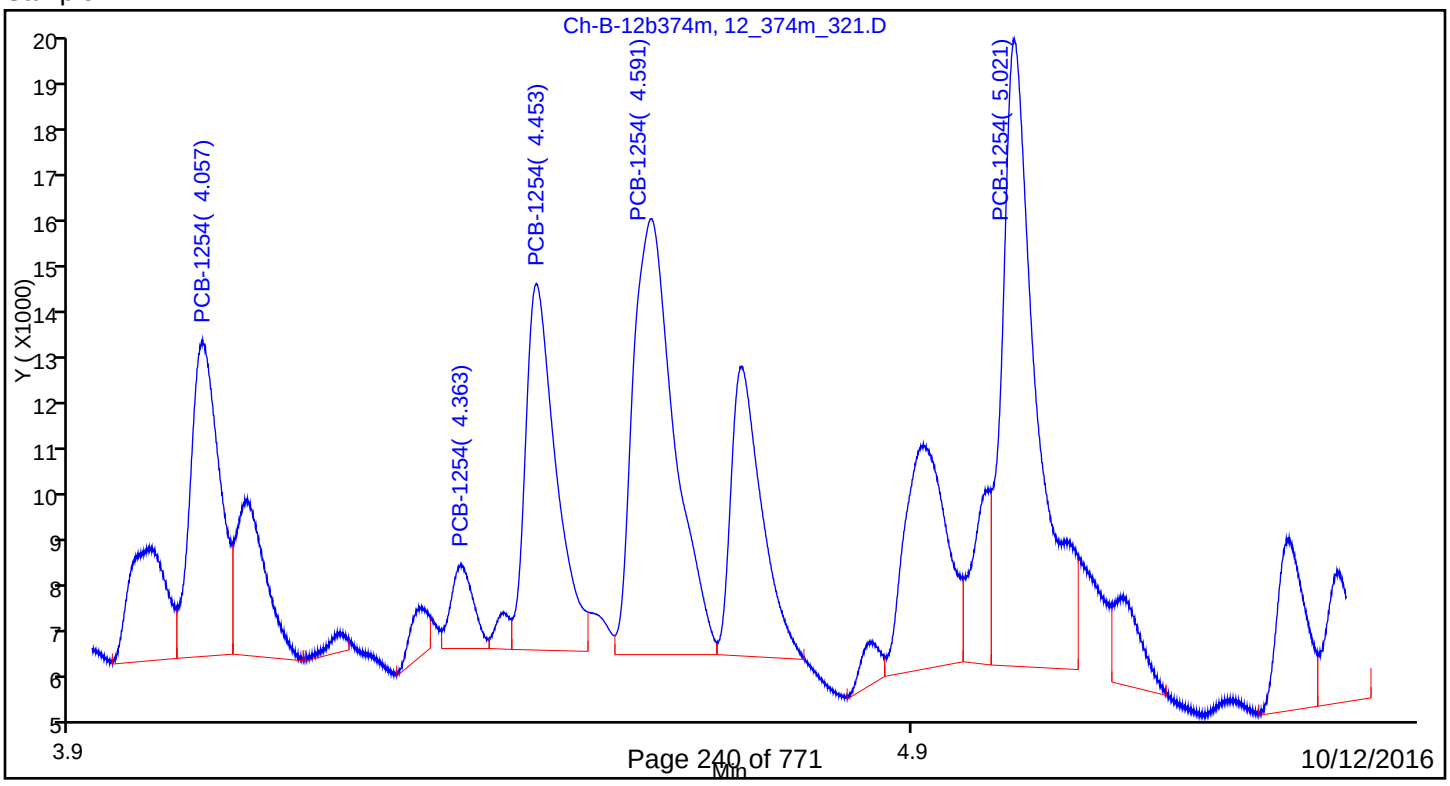
Injection Date:	08-Oct-2016 16:51:14	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-4-A	Lab Sample ID:	480-107100-4		
Client ID:	SS7-19				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-20 | Lab Sample ID: 480-107100-5

Matrix: Solid | Lab File ID: 12_374m_322.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:33

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.29(g) | Date Analyzed: 10/08/2016 17:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 30.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.32	0.062
11104-28-2	PCB-1221	ND		0.32	0.062
11141-16-5	PCB-1232	ND		0.32	0.062
53469-21-9	PCB-1242	ND		0.32	0.062
12672-29-6	PCB-1248	ND		0.32	0.062
11097-69-1	PCB-1254	1.2		0.32	0.15
11096-82-5	PCB-1260	ND		0.32	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	139		60-154
2051-24-3	DCB Decachlorobiphenyl	130		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_322.D
Lims ID: 480-107100-A-5-A
Client ID: SS7-20
Sample Type: Client
Inject. Date: 08-Oct-2016 17:06:31 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:55:19 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:55:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1022146	0.5000	
2	1.581	1.580	0.001	862707	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	59839	0.0255	
2	2.146	2.146	0.000	40888	0.0278	
					RPD = 8.68	
11 PCB-1254						
1	2.967	2.966	0.001	18760	0.1295	
1	3.225	3.225	0.000	41948	0.2161	
1	3.402	3.402	0.000	57119	0.2892	
1	3.594	3.595	-0.001	32792	0.2539	
1	3.767	3.768	-0.001	56353	0.3099	
		Average of Peak Amounts =			0.2397	
2	4.056	4.054	0.002	18388	0.1757	
2	4.364	4.364	0.000	5695	0.0905	
2	4.453	4.452	0.001	23802	0.1529	
2	4.590	4.585	0.005	35133	0.2045	
2	5.022	5.021	0.001	36703	0.3206	
		Average of Peak Amounts =			0.1888	
					RPD = 23.74	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						
1	4.477	4.479	-0.003	7259	NC	
2	5.348	5.341	0.007	8828	NC	
3 1260 Res 3						
1	4.538	4.541	-0.003	1724	NC	
2	5.405	5.406	-0.001	6455	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	95403	0.0273	
2	7.059	7.062	-0.003	74977	0.0260	
					RPD = 4.80	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

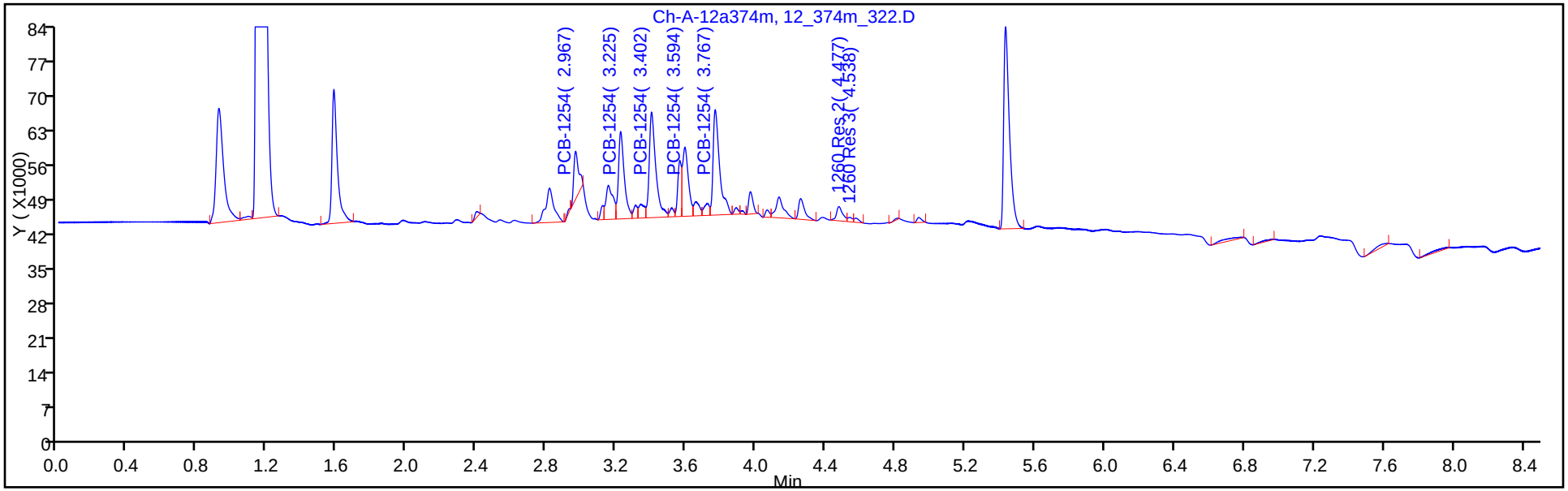
Report Date: 10-Oct-2016 12:55:20 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

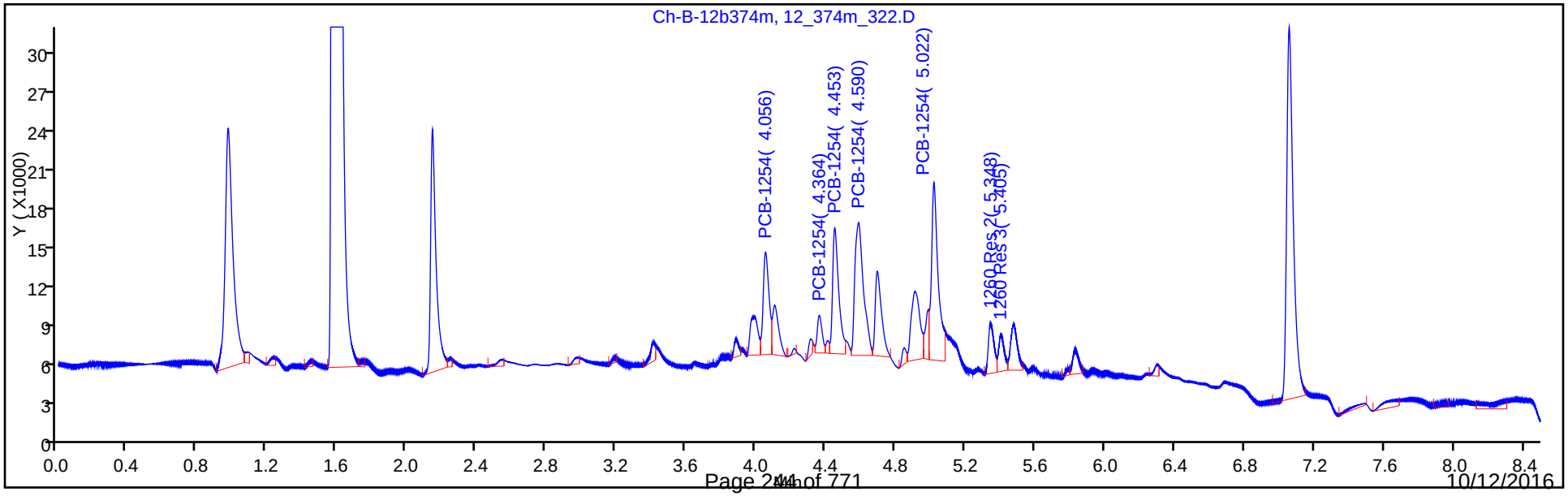
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_322.D

Injection Date:	08-Oct-2016 17:06:31	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-5-A	Lab Sample ID:	480-107100-5	Worklist Smp#:	18
Client ID:	SS7-20				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_322.D
Lims ID: 480-107100-A-5-A
Client ID: SS7-20
Sample Type: Client
Inject. Date: 08-Oct-2016 17:06:31 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:55:19 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:55:19

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0255	127.66
$ 15 DCB Decachlorobiphenyl	0.0200	0.0273	136.36

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0278	139.24
$ 15 DCB Decachlorobiphenyl	0.0200	0.0260	129.97

Report Date: 10-Oct-2016 12:55:20 Chrom Revision: 2.2 08-Sep-2016 14:45:52

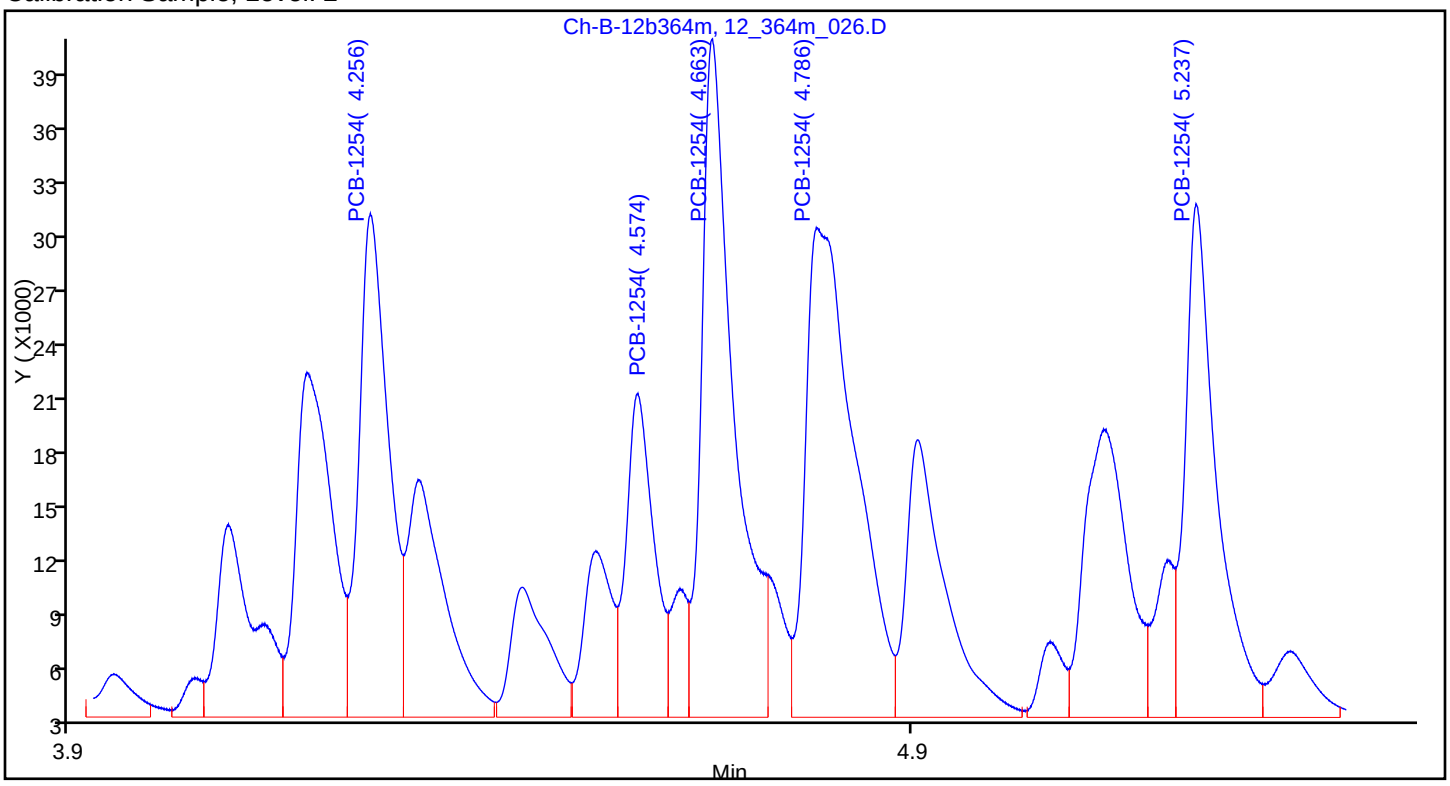
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_322.D

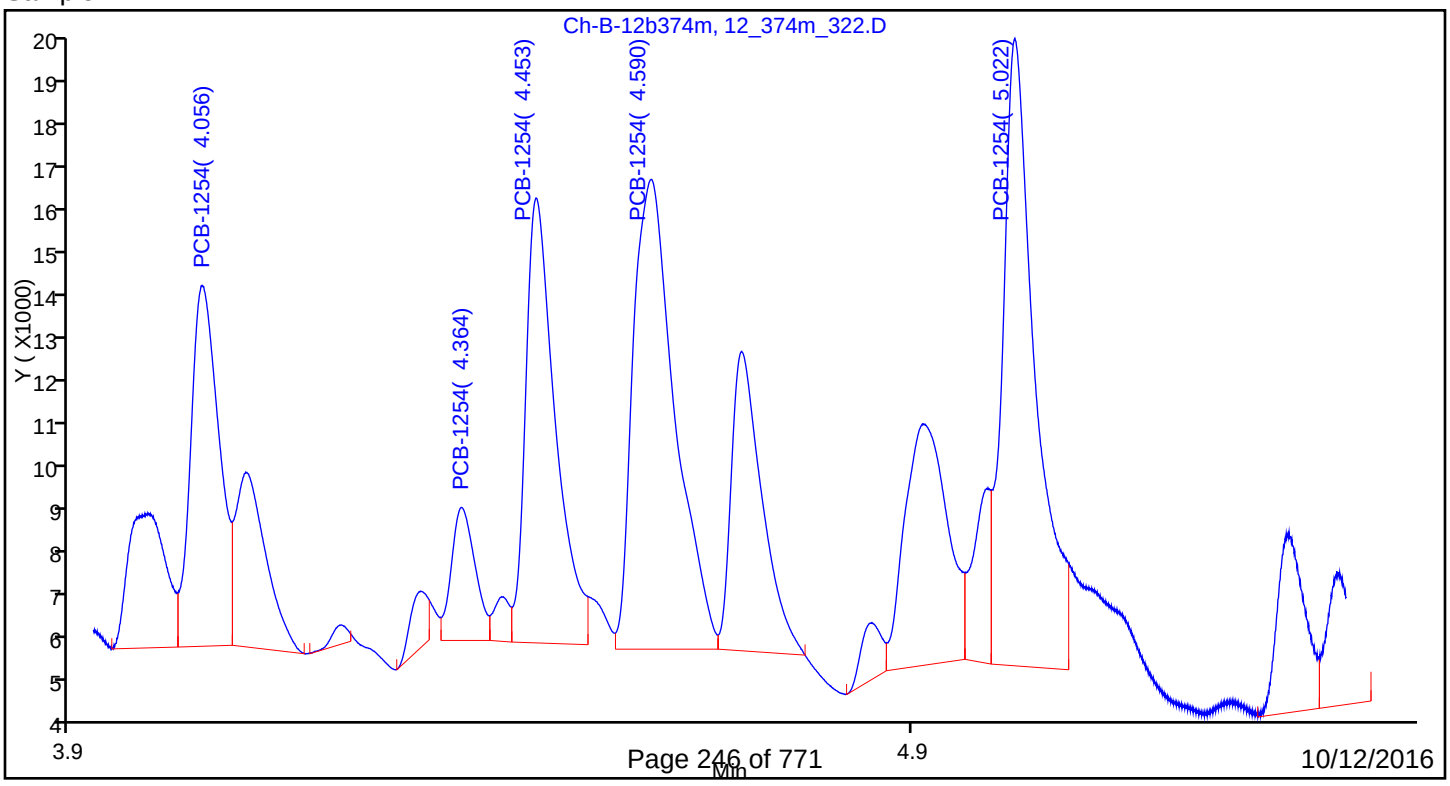
Injection Date:	08-Oct-2016 17:06:31	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-5-A	Lab Sample ID:	480-107100-5		
Client ID:	SS7-20				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-21 | Lab Sample ID: 480-107100-6

Matrix: Solid | Lab File ID: 12_374m_323.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:35

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.54(g) | Date Analyzed: 10/08/2016 17:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.22	0.043
11104-28-2	PCB-1221	ND		0.22	0.043
11141-16-5	PCB-1232	ND		0.22	0.043
53469-21-9	PCB-1242	ND		0.22	0.043
12672-29-6	PCB-1248	ND		0.22	0.043
11097-69-1	PCB-1254	0.34		0.22	0.10
11096-82-5	PCB-1260	ND		0.22	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		60-154
2051-24-3	DCB Decachlorobiphenyl	117		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_323.D
Lims ID: 480-107100-A-6-A
Client ID: SS7-21
Sample Type: Client
Inject. Date: 08-Oct-2016 17:21:51 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:55:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:55:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1038902	0.5000	
2	1.581	1.580	0.001	882748	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	52486	0.0220	
2	2.146	2.146	0.000	35080	0.0233	
					RPD = 5.80	
11 PCB-1254						M
1	2.967	2.966	0.001	17919	0.1217	M
1	3.226	3.225	0.001	19761	0.1002	M
1	3.404	3.402	0.002	32208	0.1605	M
1	3.594	3.595	-0.001	17512	0.1334	M
1	3.769	3.768	0.001	29534	0.1598	M
		Average of Peak Amounts =			0.1351	
2	4.058	4.054	0.004	7058	0.0659	
2	4.365	4.364	0.001	1655	0.0257	
2	4.455	4.452	0.003	7682	0.0482	
2	4.591	4.585	0.006	16516	0.0940	
2	5.023	5.021	0.002	17467	0.1491	
		Average of Peak Amounts =			0.0766	
					RPD = 55.28	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						M
1	4.475	4.479	-0.004	6105	NC	M
2	5.346	5.341	0.005	3465	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	85117	0.0239	
2	7.059	7.062	-0.003	68856	0.0233	
					RPD = 2.58	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

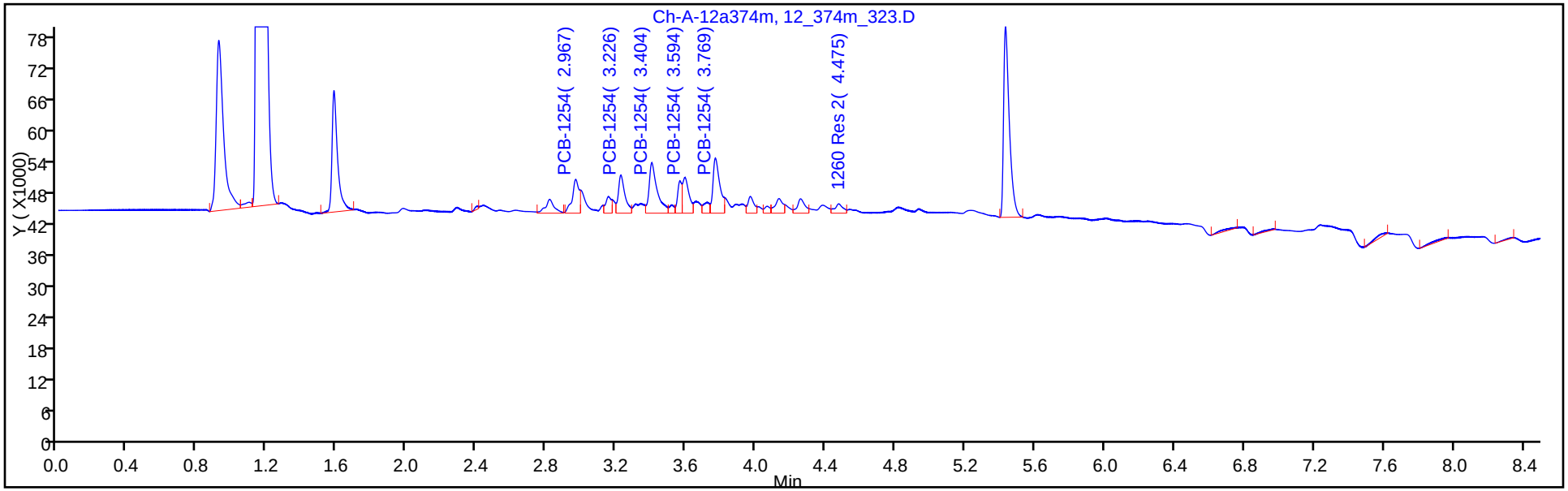
Report Date: 10-Oct-2016 12:55:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

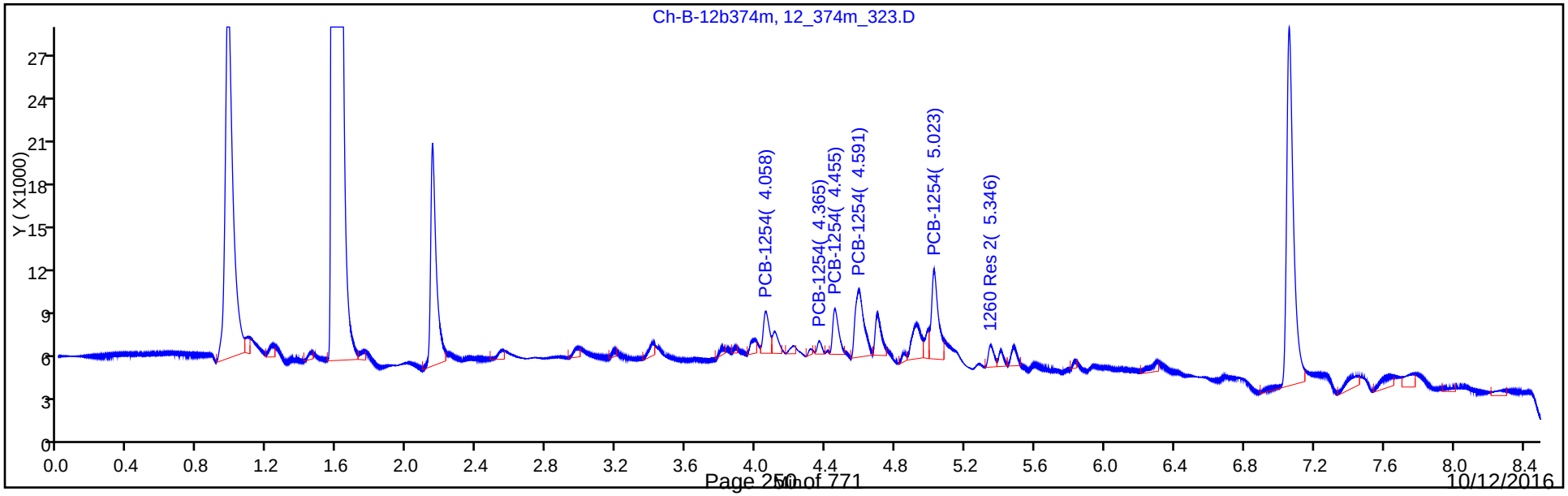
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_323.D

Injection Date:	08-Oct-2016 17:21:51	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-6-A	Lab Sample ID:	480-107100-6	Worklist Smp#:	19
Client ID:	SS7-21				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_323.D
Lims ID: 480-107100-A-6-A
Client ID: SS7-21
Sample Type: Client
Inject. Date: 08-Oct-2016 17:21:51 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:55:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:55:44

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0220	110.17
$ 15 DCB Decachlorobiphenyl	0.0200	0.0239	119.69

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0233	116.75
$ 15 DCB Decachlorobiphenyl	0.0200	0.0233	116.65

Report Date: 10-Oct-2016 12:55:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

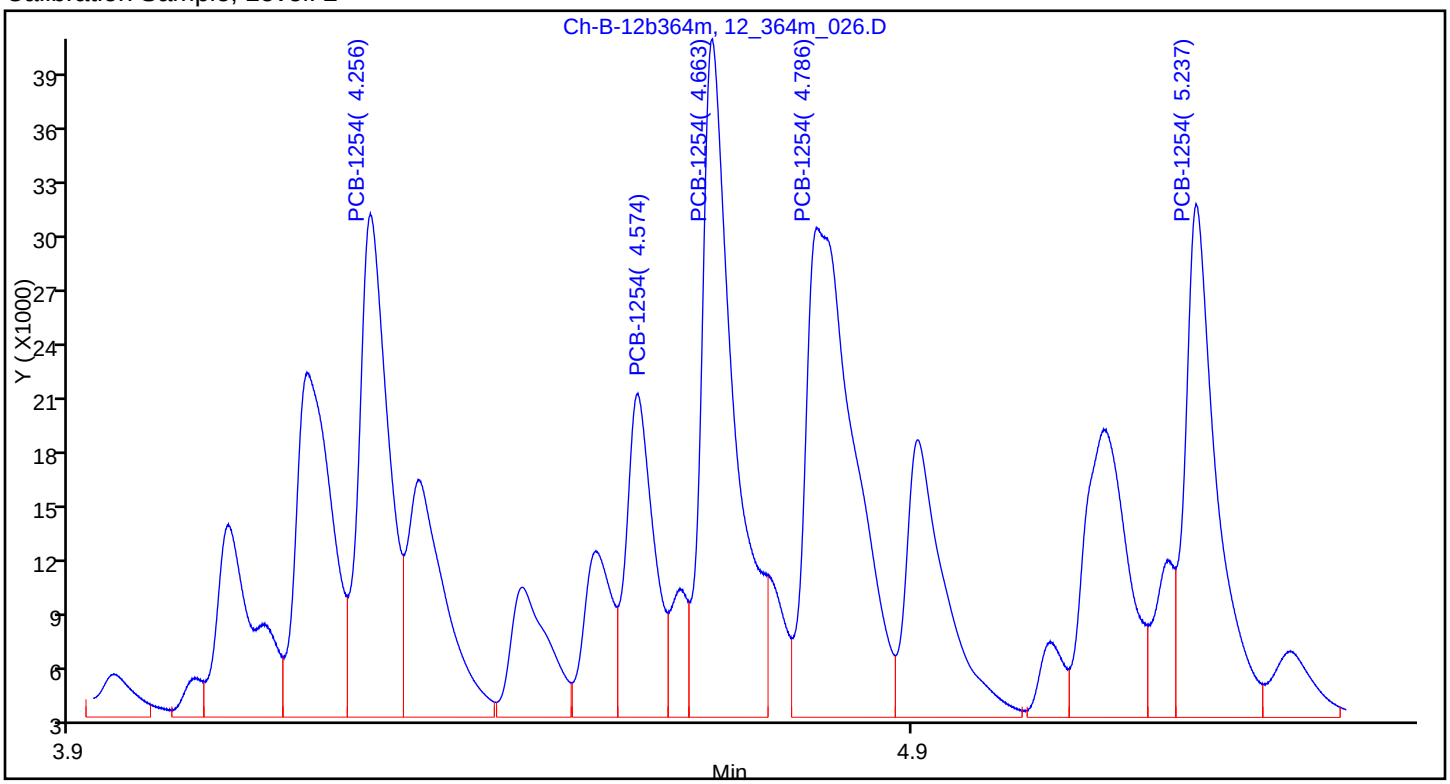
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_323.D

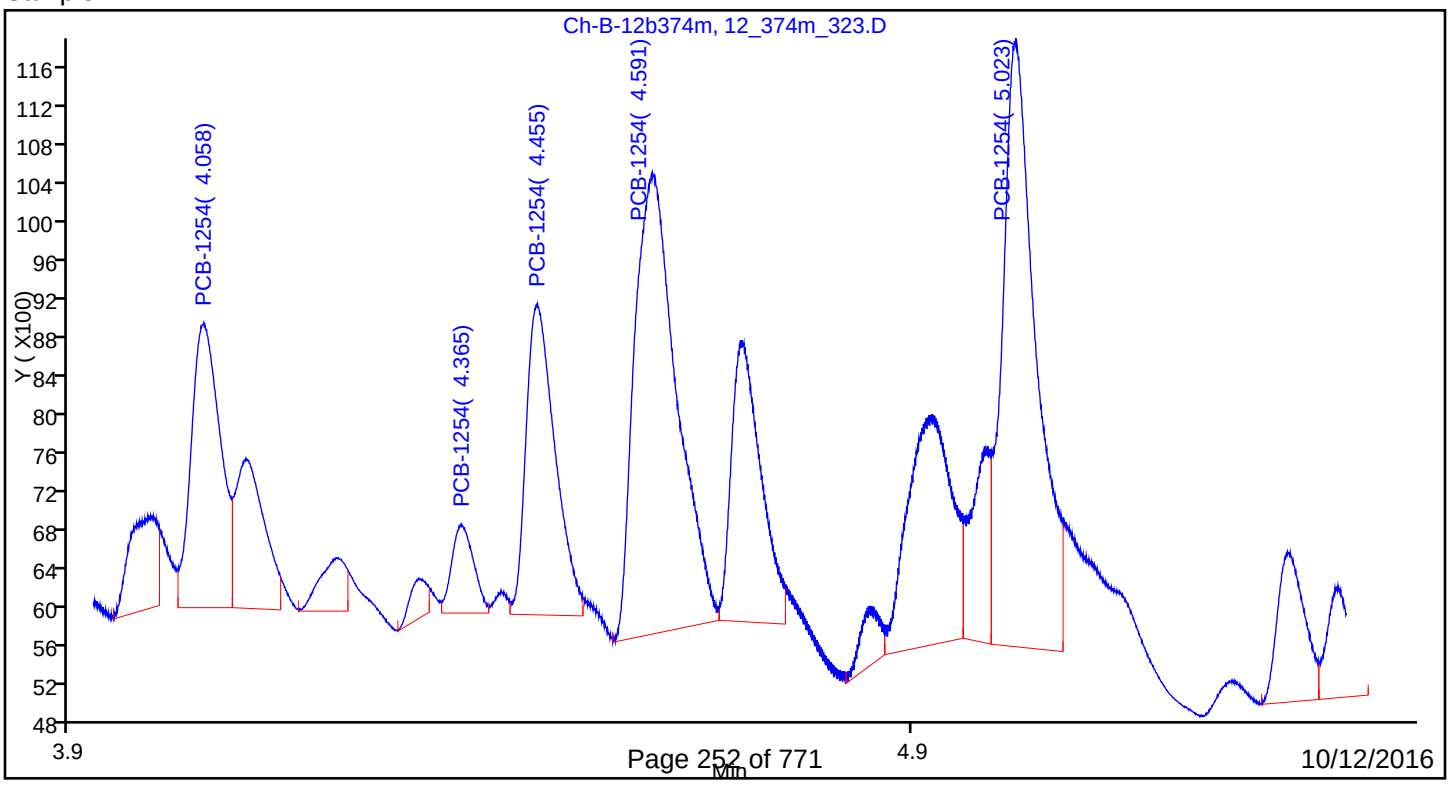
Injection Date:	08-Oct-2016 17:21:51	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-6-A	Lab Sample ID:	480-107100-6		
Client ID:	SS7-21				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-22 | Lab Sample ID: 480-107100-7

Matrix: Solid | Lab File ID: 12_374m_324.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:36

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.89(g) | Date Analyzed: 10/08/2016 17:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.19	0.038
11104-28-2	PCB-1221	ND		0.19	0.038
11141-16-5	PCB-1232	ND		0.19	0.038
53469-21-9	PCB-1242	ND		0.19	0.038
12672-29-6	PCB-1248	ND		0.19	0.038
11097-69-1	PCB-1254	1.3		0.19	0.090
11096-82-5	PCB-1260	ND		0.19	0.090

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	138		60-154
2051-24-3	DCB Decachlorobiphenyl	132		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_324.D
Lims ID: 480-107100-A-7-A
Client ID: SS7-22
Sample Type: Client
Inject. Date: 08-Oct-2016 17:37:09 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:56:16 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:56:16

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1029725	0.5000	
2	1.581	1.580	0.001	885097	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	59408	0.0252	
2	2.146	2.146	0.000	41471	0.0275	
					RPD = 8.99	
11 PCB-1254						M
1	2.967	2.966	0.001	43501	0.2980	M
1	3.225	3.225	0.000	74060	0.3788	M
1	3.402	3.402	0.000	109937	0.5526	M
1	3.593	3.595	-0.002	62507	0.4803	M
1	3.766	3.768	-0.002	109682	0.5987	M
		Average of Peak Amounts =			0.4617	
2	4.057	4.054	0.003	28315	0.2637	M
2	4.363	4.364	-0.001	12110	0.1876	M
2	4.453	4.452	0.001	48475	0.3035	M
2	4.587	4.585	0.002	69780	0.3959	M
2	5.020	5.021	-0.001	69990	0.5960	M
		Average of Peak Amounts =			0.3493	
					RPD = 27.71	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						M
1	4.476	4.479	-0.003	22832	NC	M
2	5.347	5.341	0.005	17964	NC	M
3 1260 Res 3						M
1	4.537	4.541	-0.004	5694	NC	M
2	5.407	5.406	0.001	14651	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	100676	0.0286	
2	7.060	7.062	-0.002	77940	0.0263	
					RPD = 8.12	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

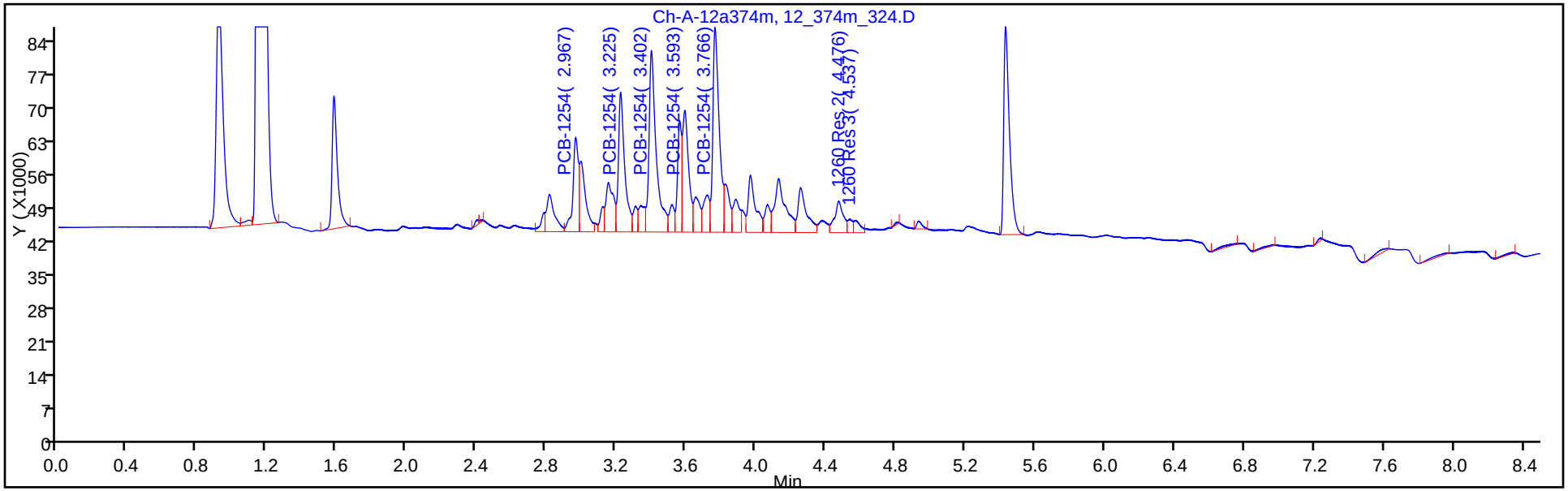
Report Date: 10-Oct-2016 12:56:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

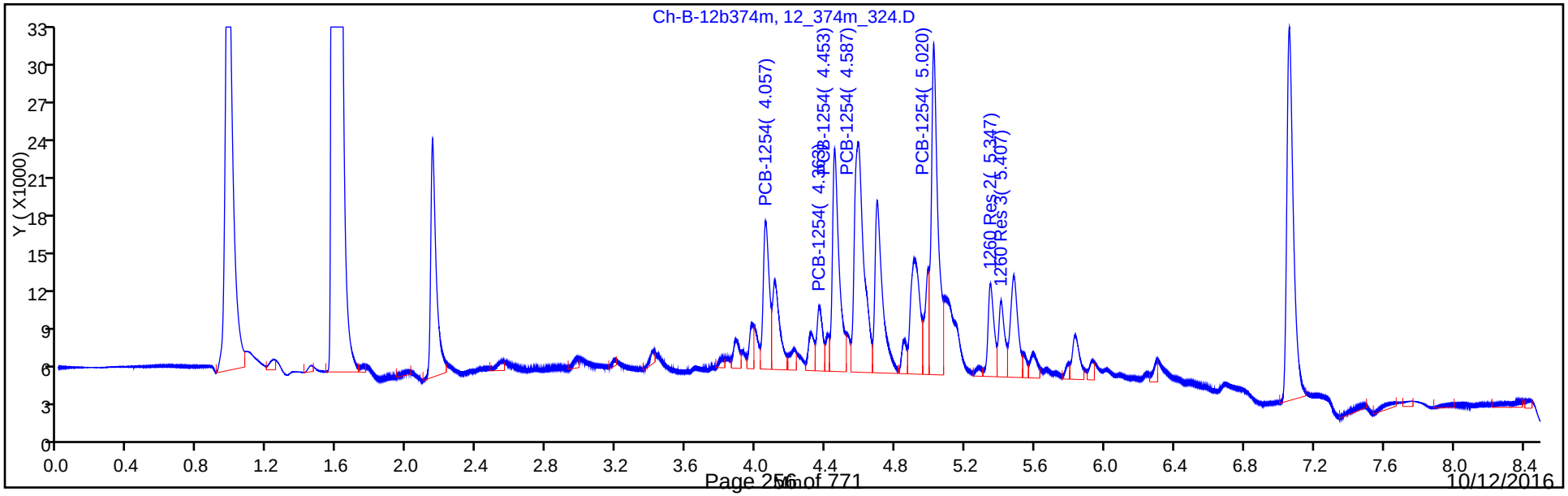
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_324.D

Injection Date:	08-Oct-2016 17:37:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-7-A	Lab Sample ID:	480-107100-7	Worklist Smp#:	20
Client ID:	SS7-22				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_324.D
Lims ID: 480-107100-A-7-A
Client ID: SS7-22
Sample Type: Client
Inject. Date: 08-Oct-2016 17:37:09 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:56:16 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:56:16

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0252	125.81
$ 15 DCB Decachlorobiphenyl	0.0200	0.0286	142.84

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0275	137.65
$ 15 DCB Decachlorobiphenyl	0.0200	0.0263	131.68

Report Date: 10-Oct-2016 12:56:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

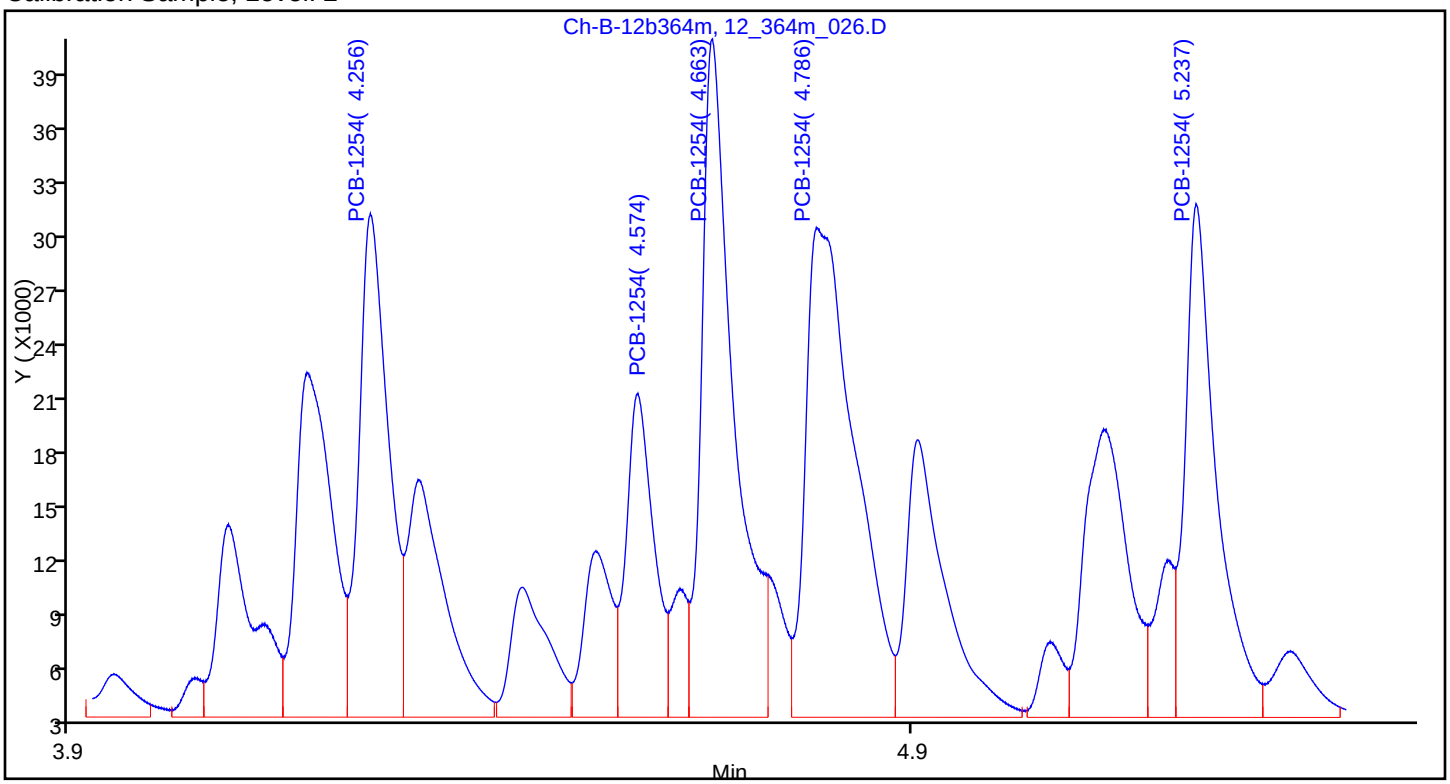
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_324.D

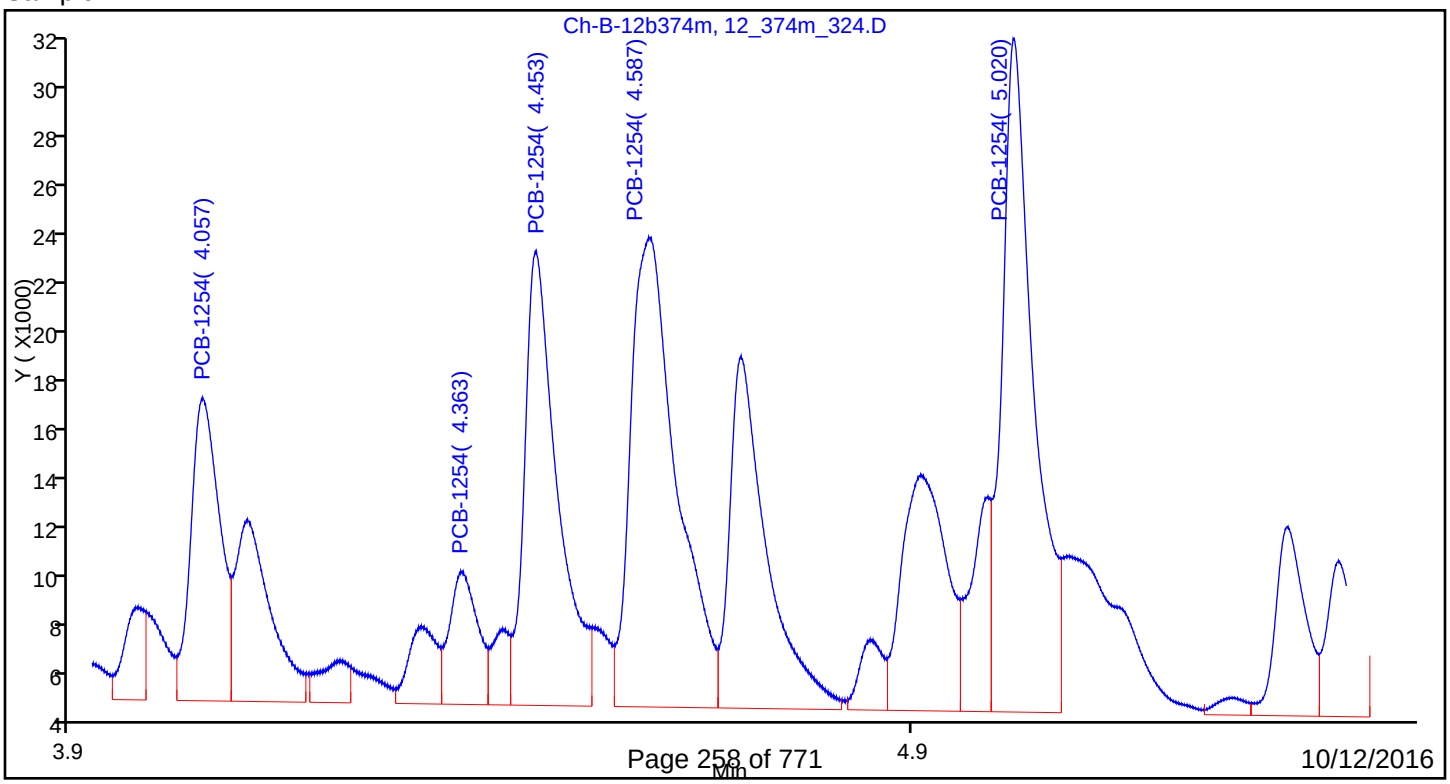
Injection Date:	08-Oct-2016 17:37:09	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-7-A	Lab Sample ID:	480-107100-7		
Client ID:	SS7-22				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



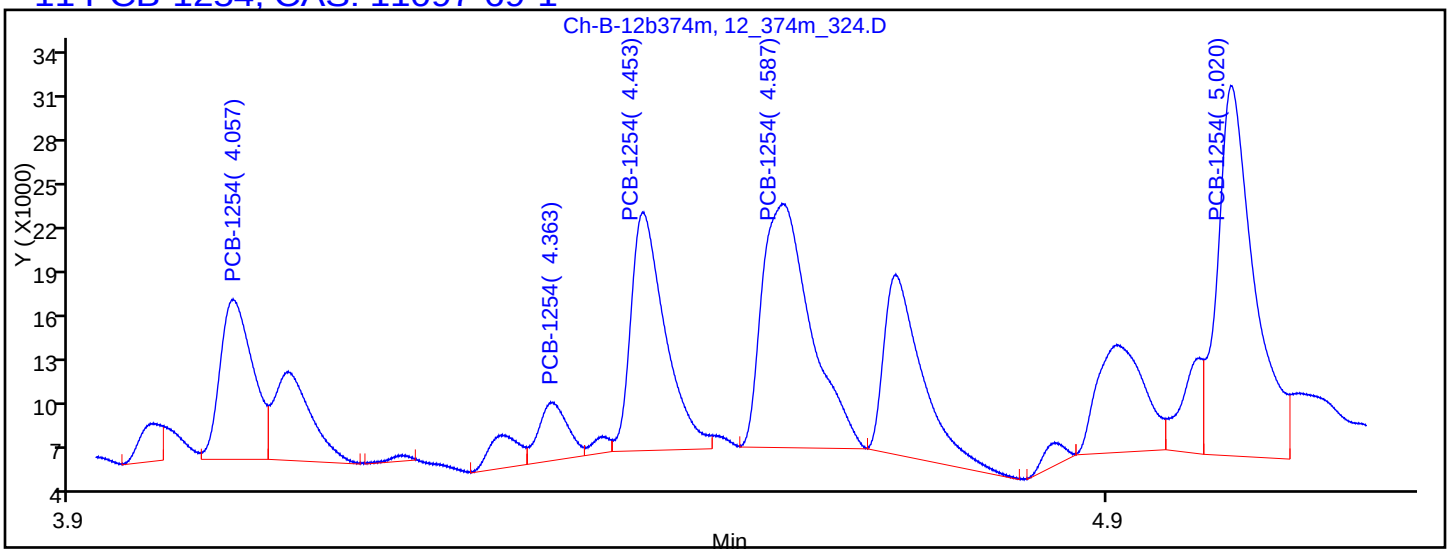
Report Date: 10-Oct-2016 12:56:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_324.D

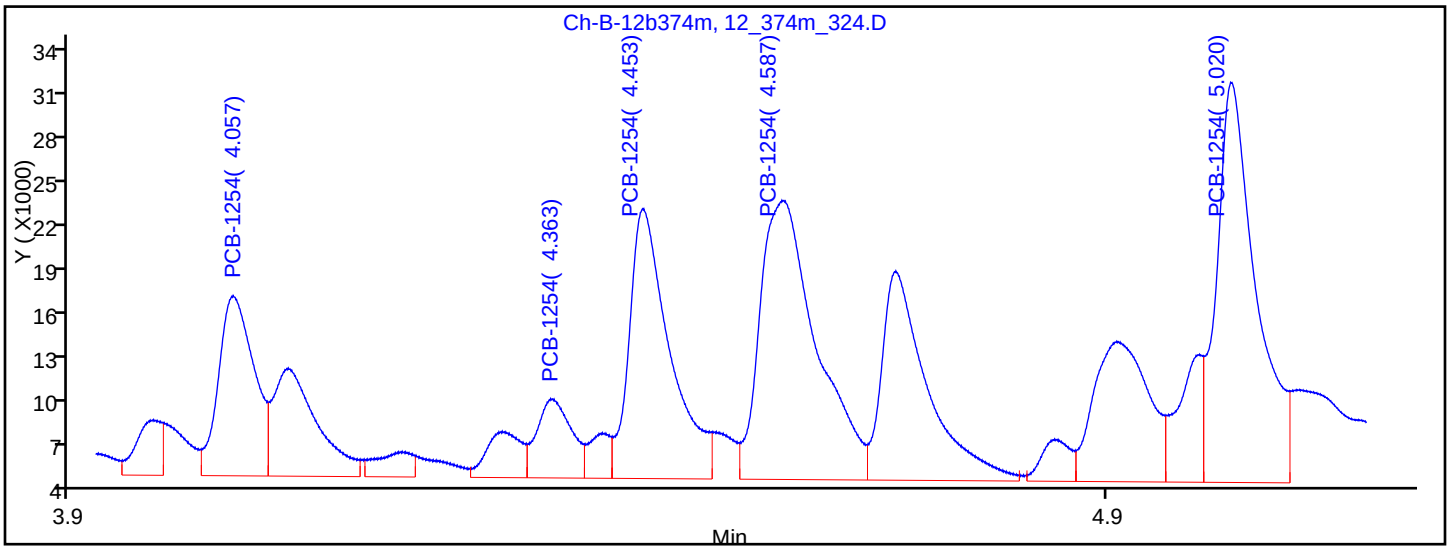
Injection Date:	08-Oct-2016 17:37:09	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-7-A	Lab Sample ID:	480-107100-7		
Client ID:	SS7-22				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.057	Response = 23269
4.363	Response = 7477
4.453	Response = 36318
4.587	Response = 52738
5.020	Response = 60395



Manual Integration Results

4.057	Response = 28315	M
4.363	Response = 12110	M
4.453	Response = 48475	M
4.587	Response = 69780	M
5.020	Response = 69990	M

Reviewer: owenj, 10-Oct-2016 12:56:16

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-23 | Lab Sample ID: 480-107100-8

Matrix: Solid | Lab File ID: 12_374m_325.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:37

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.08(g) | Date Analyzed: 10/08/2016 17:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.27	0.053
11104-28-2	PCB-1221	ND		0.27	0.053
11141-16-5	PCB-1232	ND		0.27	0.053
53469-21-9	PCB-1242	ND		0.27	0.053
12672-29-6	PCB-1248	ND		0.27	0.053
11097-69-1	PCB-1254	1.4		0.27	0.13
11096-82-5	PCB-1260	ND		0.27	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	136		60-154
2051-24-3	DCB Decachlorobiphenyl	131		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_325.D
Lims ID: 480-107100-A-8-A
Client ID: SS7-23
Sample Type: Client
Inject. Date: 08-Oct-2016 17:52:30 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:56:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:56:44

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.151	1.148	0.003	1051770	0.5000	
2	1.581	1.580	0.001	899762	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	62376	0.0259	
2	2.146	2.146	0.000	41636	0.0272	
					RPD = 4.99	
11 PCB-1254						M
1	2.967	2.966	0.001	36016	0.2415	M
1	3.225	3.225	0.000	52506	0.2629	M
1	3.401	3.402	-0.001	81740	0.4023	M
1	3.592	3.595	-0.003	48825	0.3673	M
1	3.766	3.768	-0.002	101849	0.5443	M
		Average of Peak Amounts =			0.3637	
2	4.055	4.054	0.001	22175	0.2032	M
2	4.363	4.364	-0.001	9023	0.1375	M
2	4.453	4.452	0.001	33388	0.2056	M
2	4.588	4.585	0.003	50575	0.2823	M
2	5.020	5.021	-0.001	58186	0.4874	M
		Average of Peak Amounts =			0.2632	
					RPD = 32.06	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						M
1	4.475	4.479	-0.004	16550	NC	M
2	5.347	5.341	0.005	14689	NC	M
3 1260 Res 3						M
1	4.537	4.541	-0.004	3744	NC	M
2	5.407	5.406	0.001	11751	NC	M
$ 15 DCB Decachlorobiphenyl						
1	5.432	5.435	-0.003	101483	0.0282	
2	7.059	7.062	-0.003	78907	0.0262	
					RPD = 7.22	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

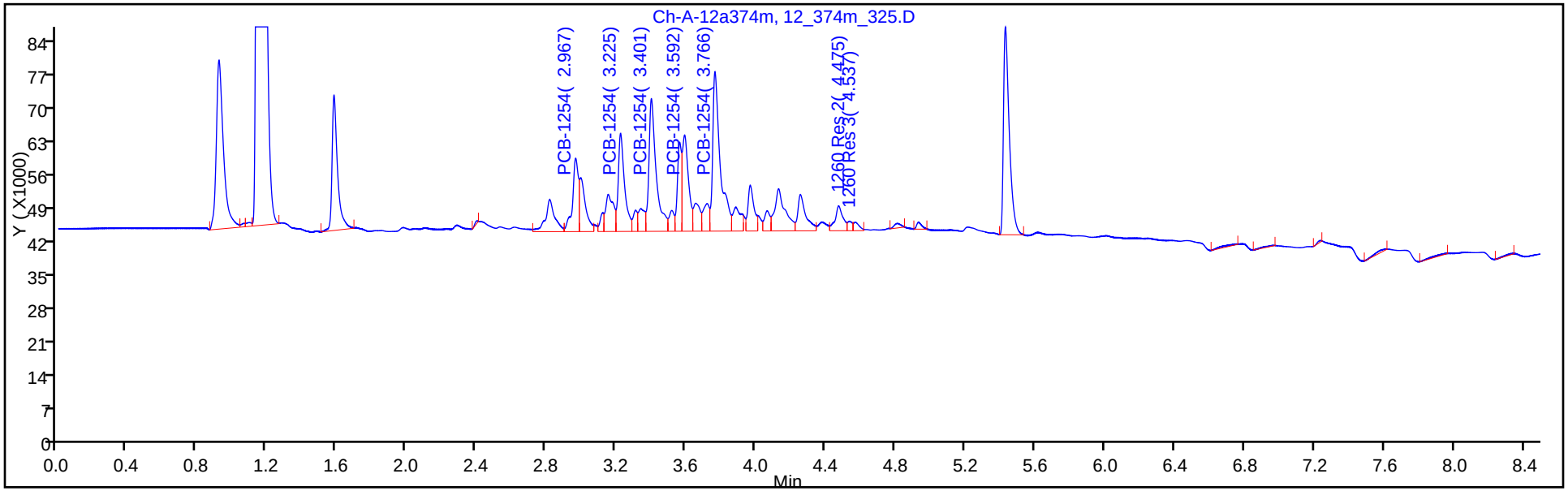
Report Date: 10-Oct-2016 12:56:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

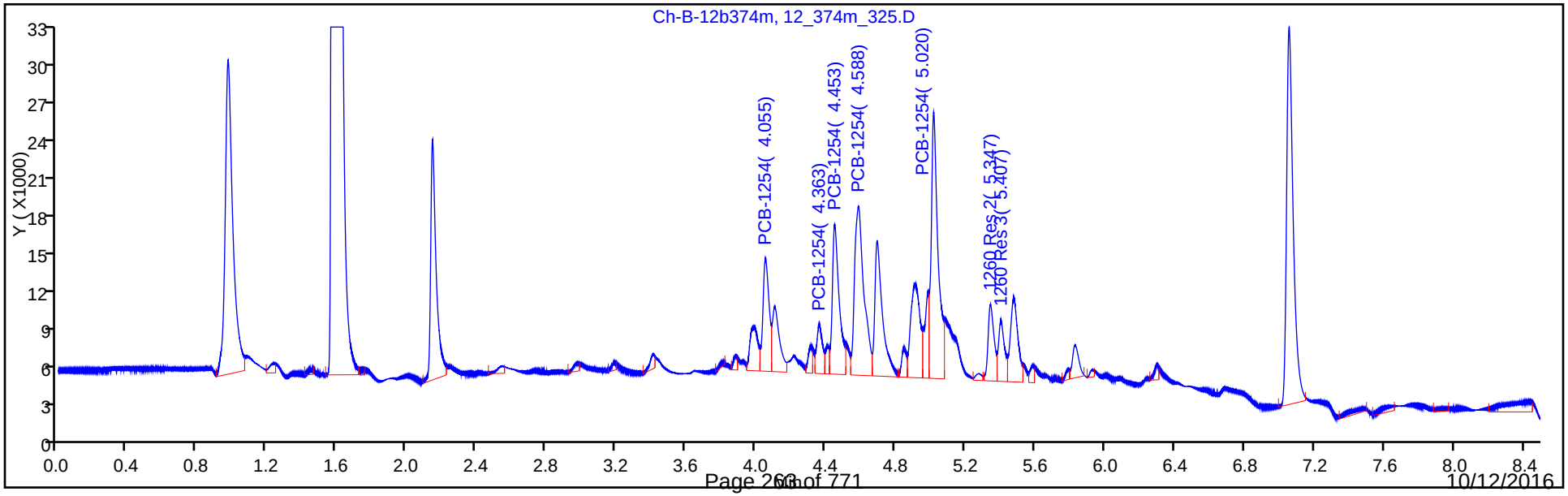
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_325.D

Injection Date:	08-Oct-2016 17:52:30	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-8-A	Lab Sample ID:	480-107100-8	Worklist Smp#:	21
Client ID:	SS7-23				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_325.D
Lims ID: 480-107100-A-8-A
Client ID: SS7-23
Sample Type: Client
Inject. Date: 08-Oct-2016 17:52:30 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:56:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:56:44

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0259	129.32
$ 15 DCB Decachlorobiphenyl	0.0200	0.0282	140.96

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0272	135.94
$ 15 DCB Decachlorobiphenyl	0.0200	0.0262	131.15

Report Date: 10-Oct-2016 12:56:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

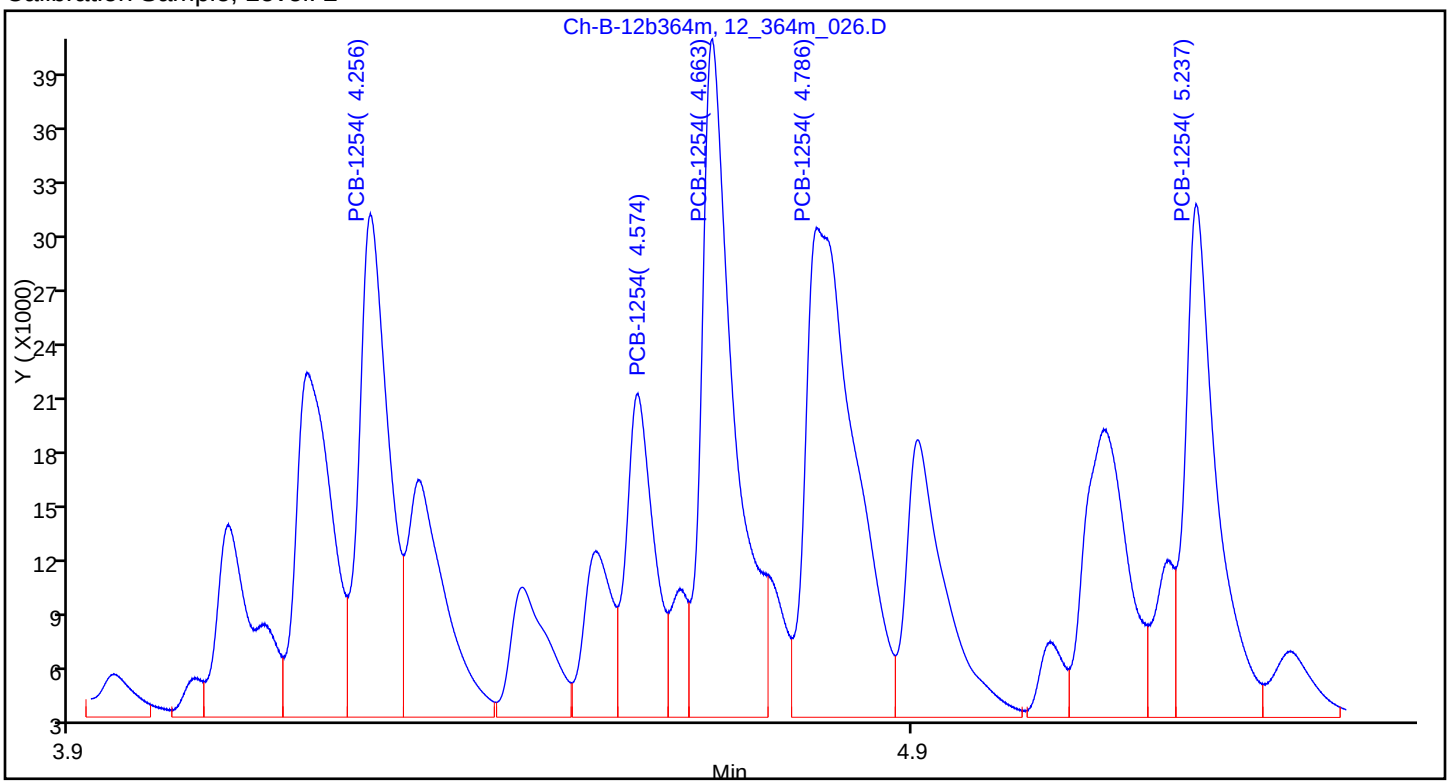
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_325.D

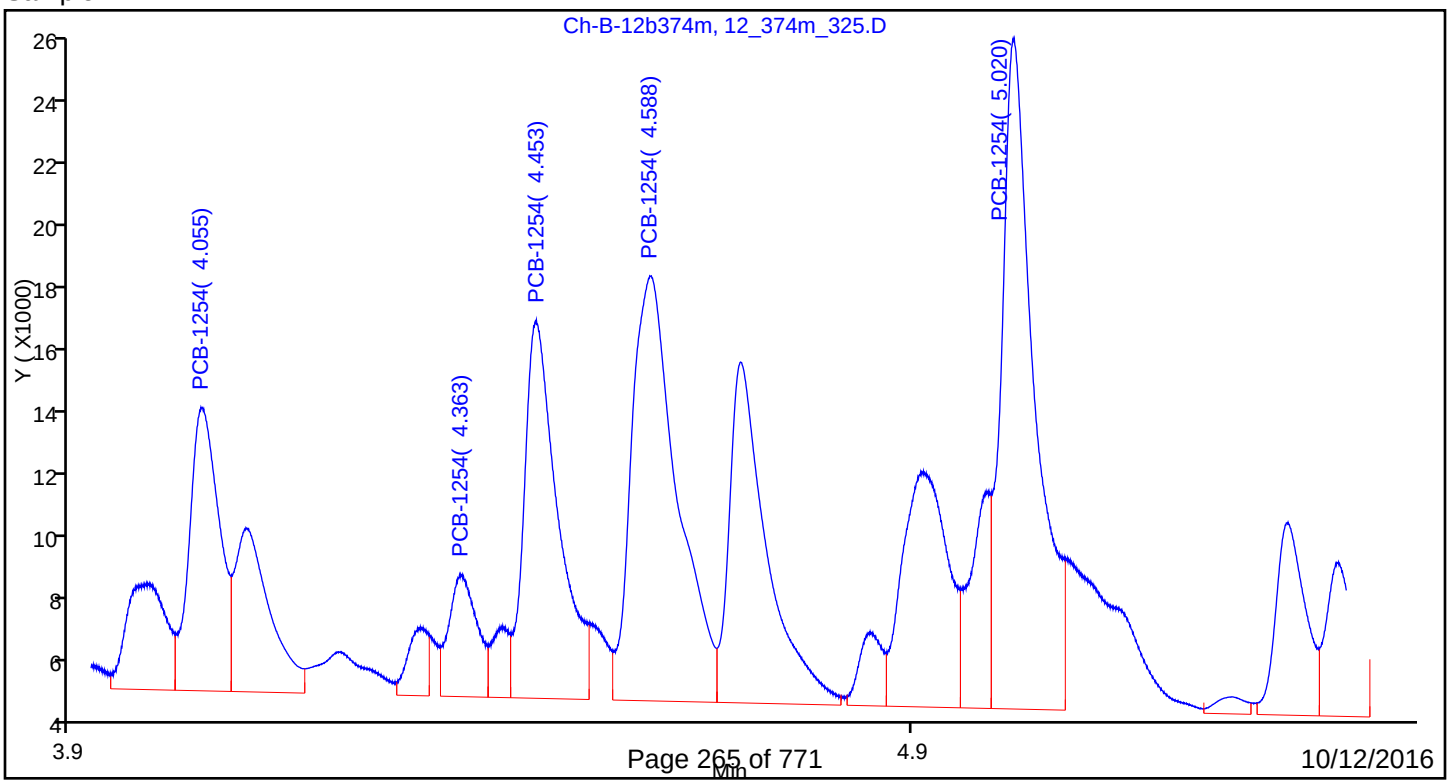
Injection Date:	08-Oct-2016 17:52:30	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-8-A	Lab Sample ID:	480-107100-8		
Client ID:	SS7-23				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



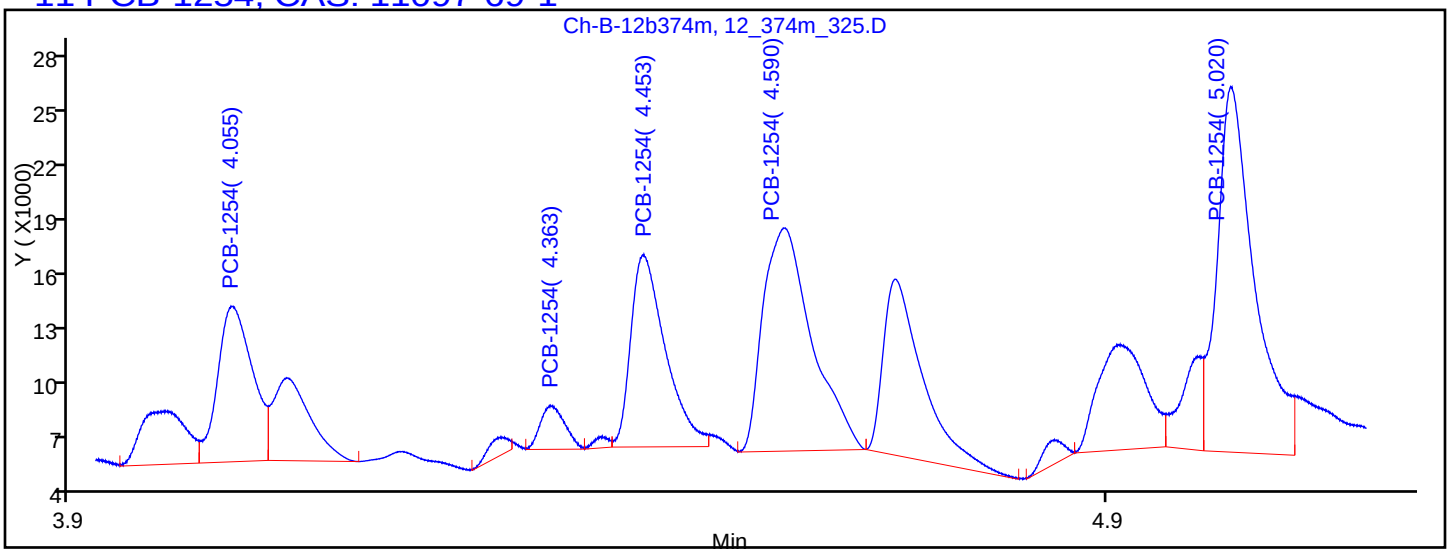
Report Date: 10-Oct-2016 12:56:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_325.D

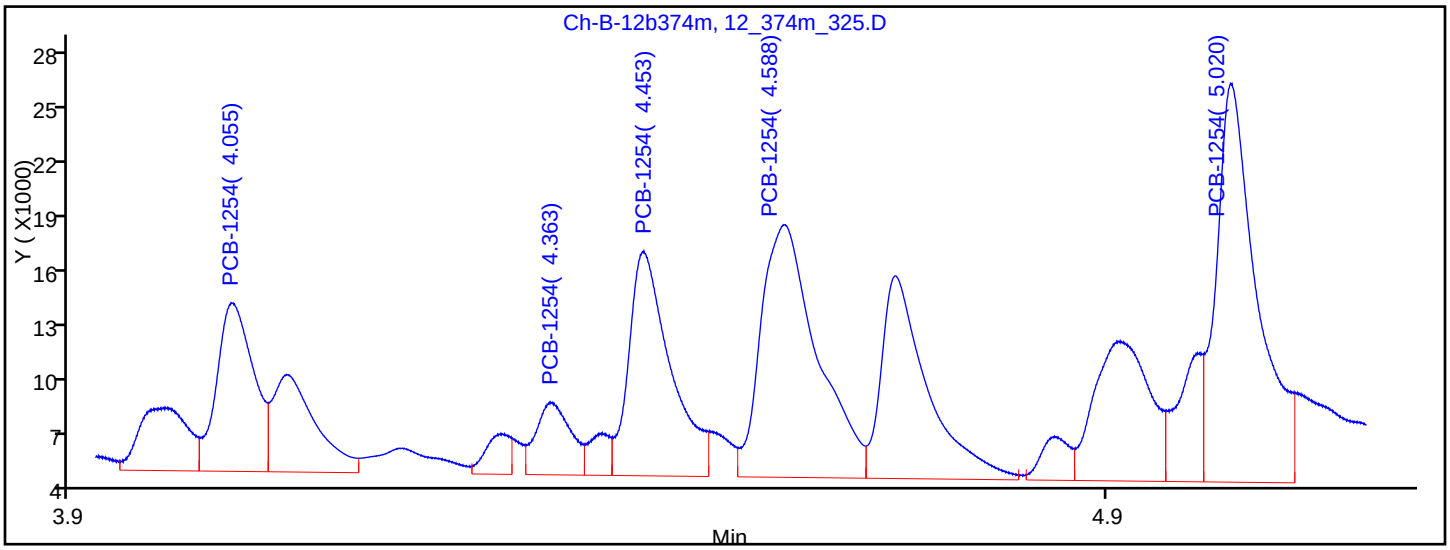
Injection Date:	08-Oct-2016 17:52:30	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-8-A	Lab Sample ID:	480-107100-8		
Client ID:	SS7-23				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.055	Response = 19435
4.363	Response = 3827
4.453	Response = 23761
4.590	Response = 38731
5.020	Response = 49060



Manual Integration Results

4.055	Response = 22175	M
4.363	Response = 9023	M
4.453	Response = 33388	M
4.588	Response = 50575	M
5.020	Response = 58186	M

Reviewer: owenj, 10-Oct-2016 12:56:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-24 | Lab Sample ID: 480-107100-9

Matrix: Solid | Lab File ID: 12_374m_326.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:38

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.48(g) | Date Analyzed: 10/08/2016 18:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 46.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.37	0.073
11104-28-2	PCB-1221	ND		0.37	0.073
11141-16-5	PCB-1232	ND		0.37	0.073
53469-21-9	PCB-1242	ND		0.37	0.073
12672-29-6	PCB-1248	ND		0.37	0.073
11097-69-1	PCB-1254	0.39		0.37	0.18
11096-82-5	PCB-1260	ND		0.37	0.18

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	118		60-154
2051-24-3	DCB Decachlorobiphenyl	99		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_326.D
Lims ID: 480-107100-A-9-A
Client ID: SS7-24
Sample Type: Client
Inject. Date: 08-Oct-2016 18:07:48 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:01 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1108111	0.5000	
2	1.581	1.580	0.001	940096	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	56057	0.0221	
2	2.147	2.146	0.001	37718	0.0236	
					RPD = 6.62	
11 PCB-1254						M
1	2.967	2.966	0.001	14224	0.0905	M
1	3.227	3.225	0.002	15895	0.0755	M
1	3.404	3.402	0.002	8865	0.0414	M
1	3.594	3.595	-0.001	13935	0.0995	M
1	3.769	3.768	0.001	25258	0.1281	M
		Average of Peak Amounts =			0.0870	
2	4.057	4.054	0.003	5546	0.0486	
2	4.363	4.364	-0.001	558	0.008137	
2	4.455	4.452	0.003	5078	0.0299	
2	4.592	4.585	0.007	12357	0.0660	
2	5.023	5.021	0.002	13264	0.1063	
		Average of Peak Amounts =			0.0518	
					RPD = 50.73	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						M
1	4.476	4.479	-0.003	7402	NC	M
2	5.348	5.341	0.007	3028	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	80566	0.0212	
2	7.061	7.062	-0.001	62354	0.0198	
					RPD = 6.85	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

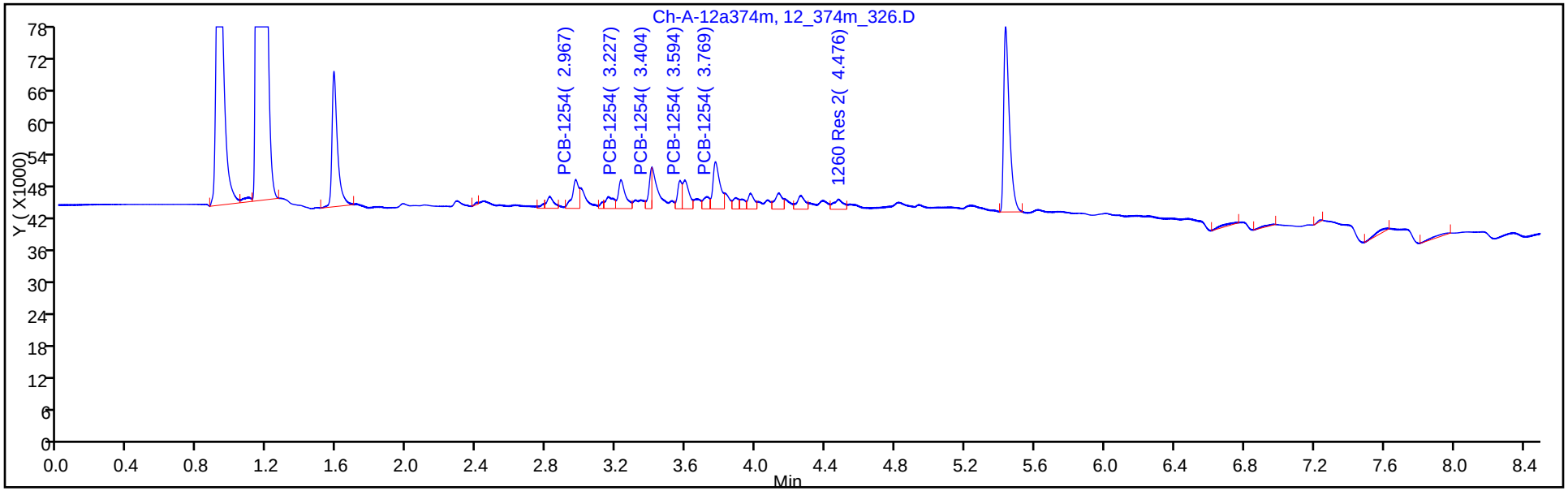
Report Date: 10-Oct-2016 12:57:01 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

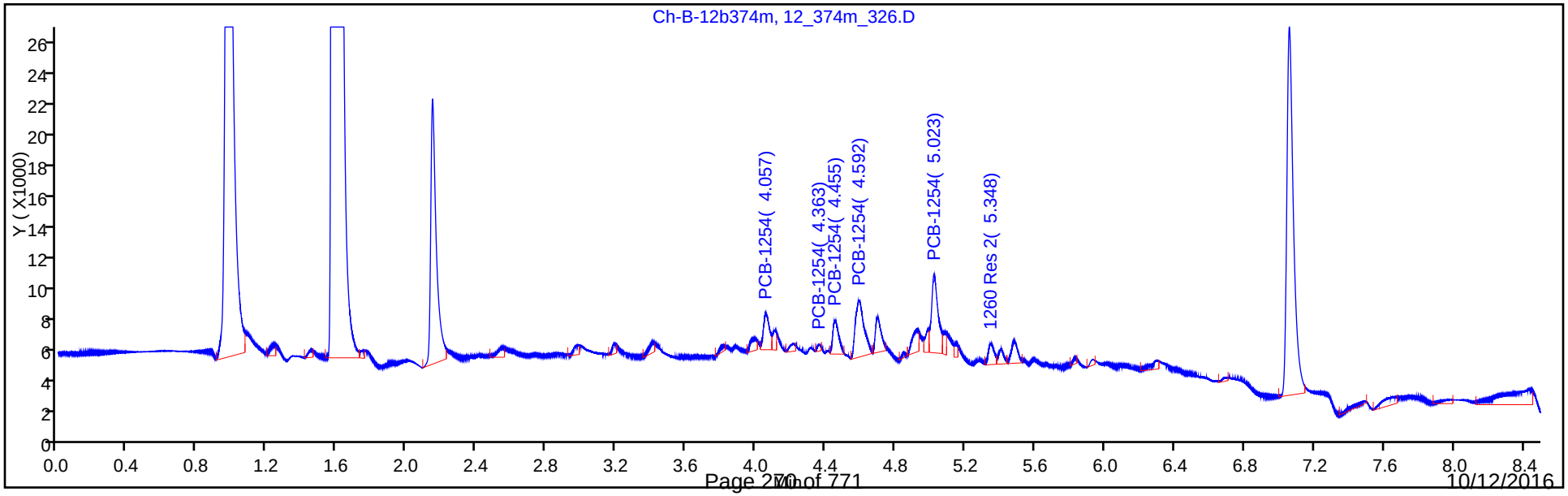
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_326.D

Injection Date:	08-Oct-2016 18:07:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-9-A	Lab Sample ID:	480-107100-9	Worklist Smp#:	22
Client ID:	SS7-24				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_326.D
Lims ID: 480-107100-A-9-A
Client ID: SS7-24
Sample Type: Client
Inject. Date: 08-Oct-2016 18:07:48 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:01 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:01

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0221	110.31
$ 15 DCB Decachlorobiphenyl	0.0200	0.0212	106.22

Surrogate Recovery, Detector: Ch-B-7b136

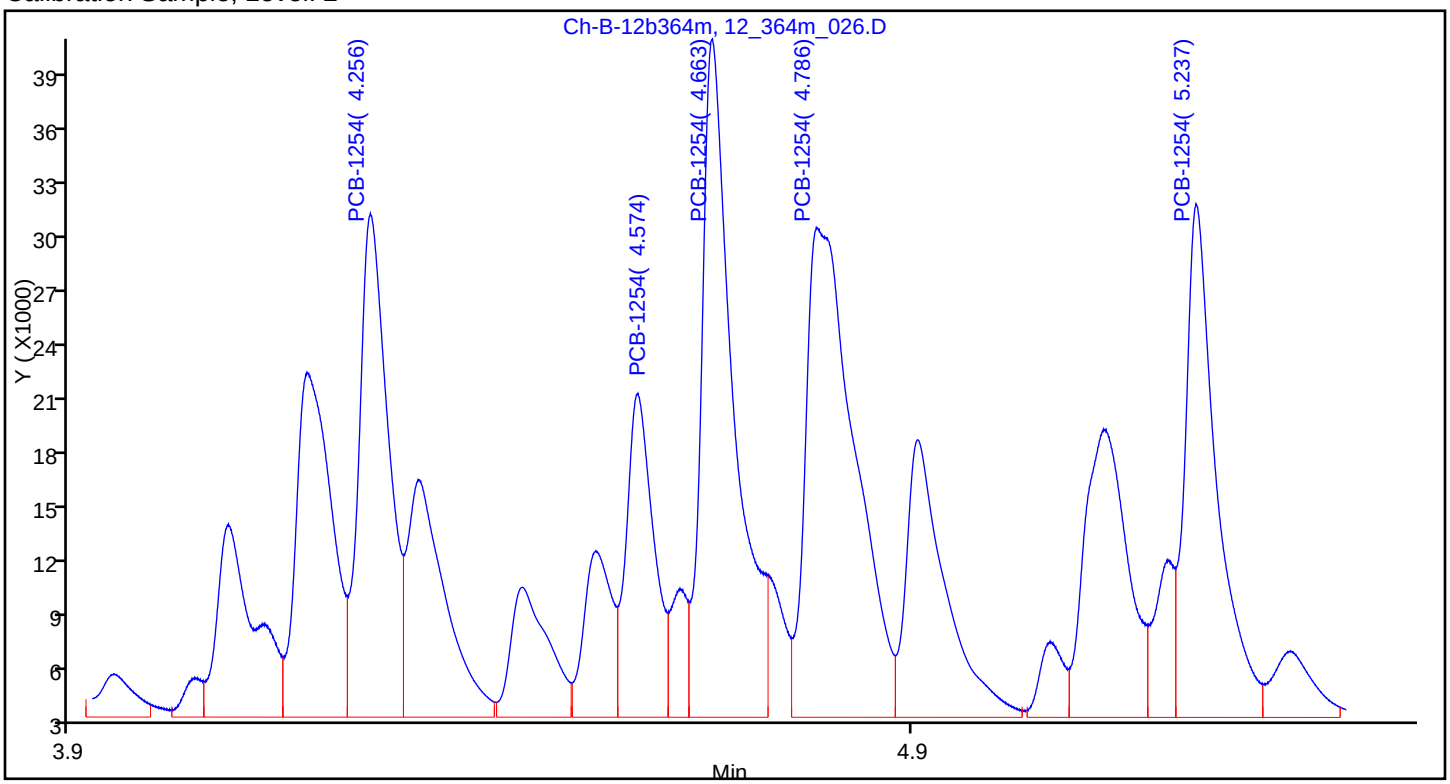
Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0236	117.87
$ 15 DCB Decachlorobiphenyl	0.0200	0.0198	99.19

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_326.D

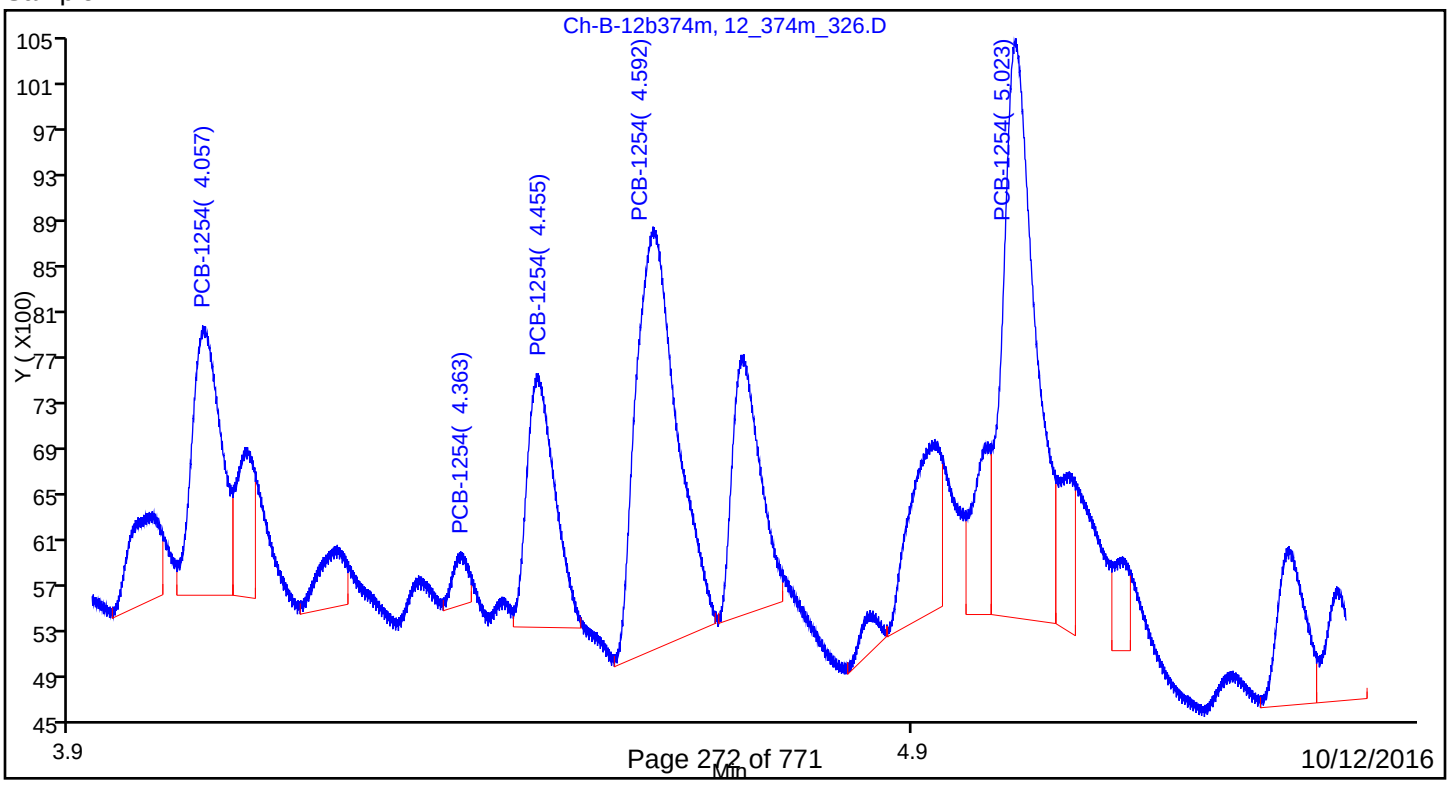
Injection Date:	08-Oct-2016 18:07:48	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-9-A	Lab Sample ID:	480-107100-9		
Client ID:	SS7-24				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-25 | Lab Sample ID: 480-107100-10

Matrix: Solid | Lab File ID: 12_374m_327.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:40

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.82(g) | Date Analyzed: 10/08/2016 18:23

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.20	0.039
11104-28-2	PCB-1221	ND		0.20	0.039
11141-16-5	PCB-1232	ND		0.20	0.039
53469-21-9	PCB-1242	ND		0.20	0.039
12672-29-6	PCB-1248	ND		0.20	0.039
11097-69-1	PCB-1254	ND		0.20	0.094
11096-82-5	PCB-1260	ND		0.20	0.094

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	131		60-154
2051-24-3	DCB Decachlorobiphenyl	128		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_327.D
Lims ID: 480-107100-A-10-A
Client ID: SS7-25
Sample Type: Client
Inject. Date: 08-Oct-2016 18:23:06 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:01 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1037172	0.5000	
2	1.581	1.580	0.001	883673	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	60027	0.0252	
2	2.147	2.146	0.001	39363	0.0262	
					RPD = 3.62	
$ 15 DCB Decachlorobiphenyl						
1	5.432	5.435	-0.003	97621	0.0275	
2	7.060	7.062	-0.002	75891	0.0257	
					RPD = 6.83	

Reagents:

COPPER_00063 Amount Added: 1.00 Units: mL Run Reagent
PCB IS 1B2NB_00015 Amount Added: 20.00 Units: uL Run Reagent

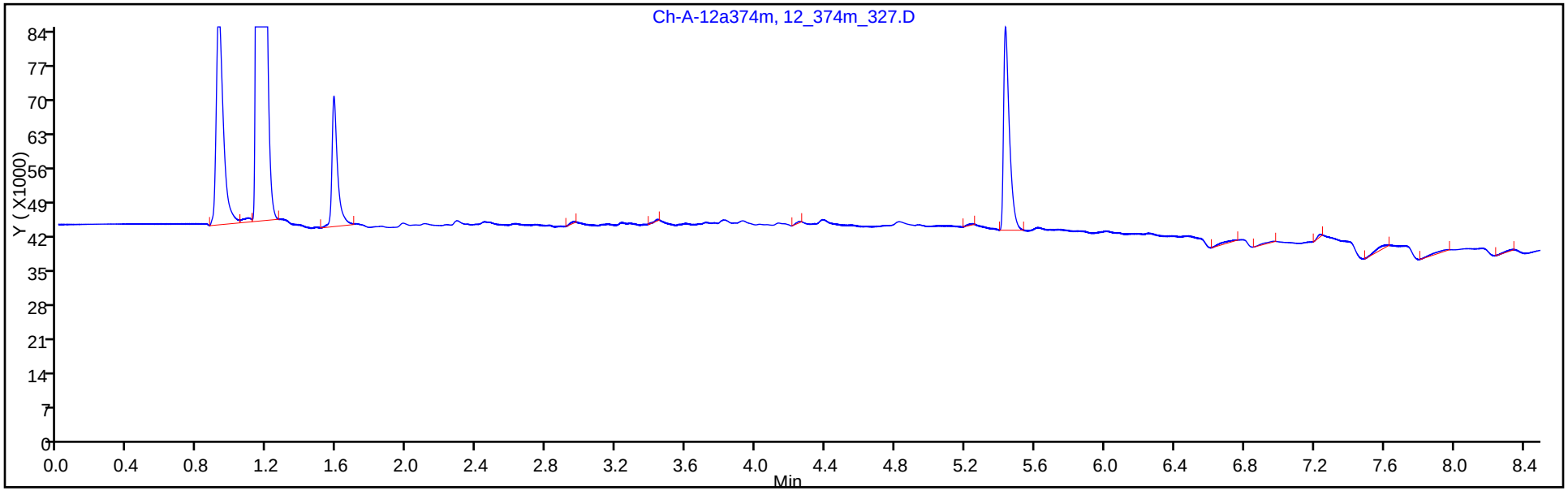
Report Date: 10-Oct-2016 12:57:06 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

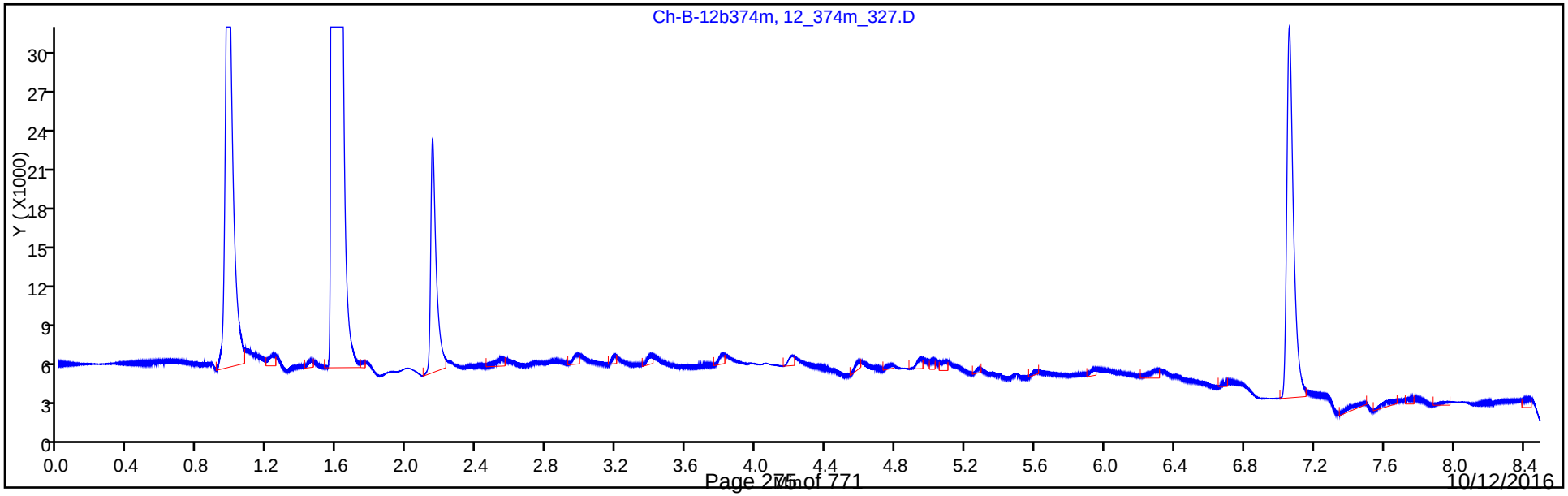
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_327.D

Injection Date:	08-Oct-2016 18:23:06	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-10-A	Lab Sample ID:	480-107100-10	Worklist Smp#:	23
Client ID:	SS7-25				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_327.D				
Lims ID:	480-107100-A-10-A				
Client ID:	SS7-25				
Sample Type:	Client				
Inject. Date:	08-Oct-2016 18:23:06	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	10-Oct-2016 12:57:01	Calib Date:	04-May-2016 21:44:49		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D				
Column 1 :			Det: Ch-A-7A136		
Column 2 :			Det: Ch-B-7b136		
Process Host:	XAWRK047				
First Level Reviewer: owenj		Date:	10-Oct-2016 12:57:06		

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0252	126.20
$ 15 DCB Decachlorobiphenyl	0.0200	0.0275	137.51

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0262	130.86
$ 15 DCB Decachlorobiphenyl	0.0200	0.0257	128.43

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-26 | Lab Sample ID: 480-107100-11

Matrix: Solid | Lab File ID: 12_374m_328.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:41

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.03(g) | Date Analyzed: 10/08/2016 18:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.31	0.061
11104-28-2	PCB-1221	ND		0.31	0.061
11141-16-5	PCB-1232	ND		0.31	0.061
53469-21-9	PCB-1242	ND		0.31	0.061
12672-29-6	PCB-1248	ND		0.31	0.061
11097-69-1	PCB-1254	ND		0.31	0.15
11096-82-5	PCB-1260	ND		0.31	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	122		60-154
2051-24-3	DCB Decachlorobiphenyl	116		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_328.D
Lims ID: 480-107100-A-11-A
Client ID: SS7-26
Sample Type: Client
Inject. Date: 08-Oct-2016 18:38:22 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:01 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1241441	0.5000	
2	1.581	1.580	0.001	1040879	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	62553	0.0220	
2	2.147	2.146	0.001	43294	0.0244	
					RPD = 10.62	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	103031	0.0242	
2	7.061	7.062	-0.001	80659	0.0232	
					RPD = 4.53	

Reagents:

COPPER_00063 Amount Added: 1.00 Units: mL Run Reagent
PCB IS 1B2NB_00015 Amount Added: 20.00 Units: uL Run Reagent

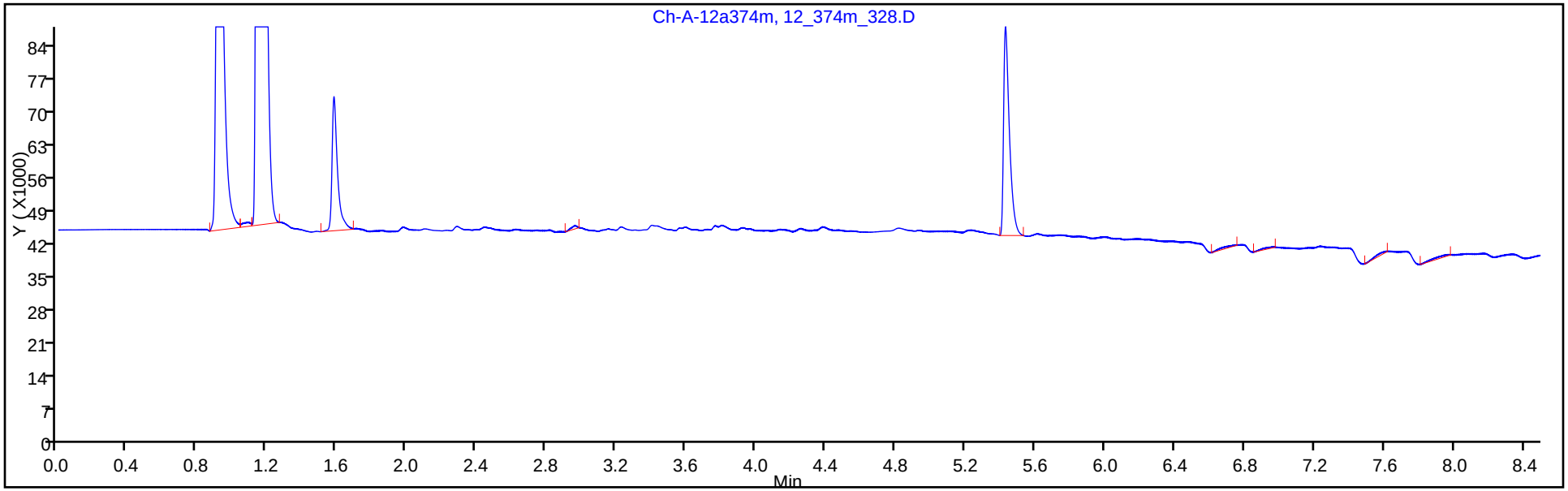
Report Date: 10-Oct-2016 12:57:11 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

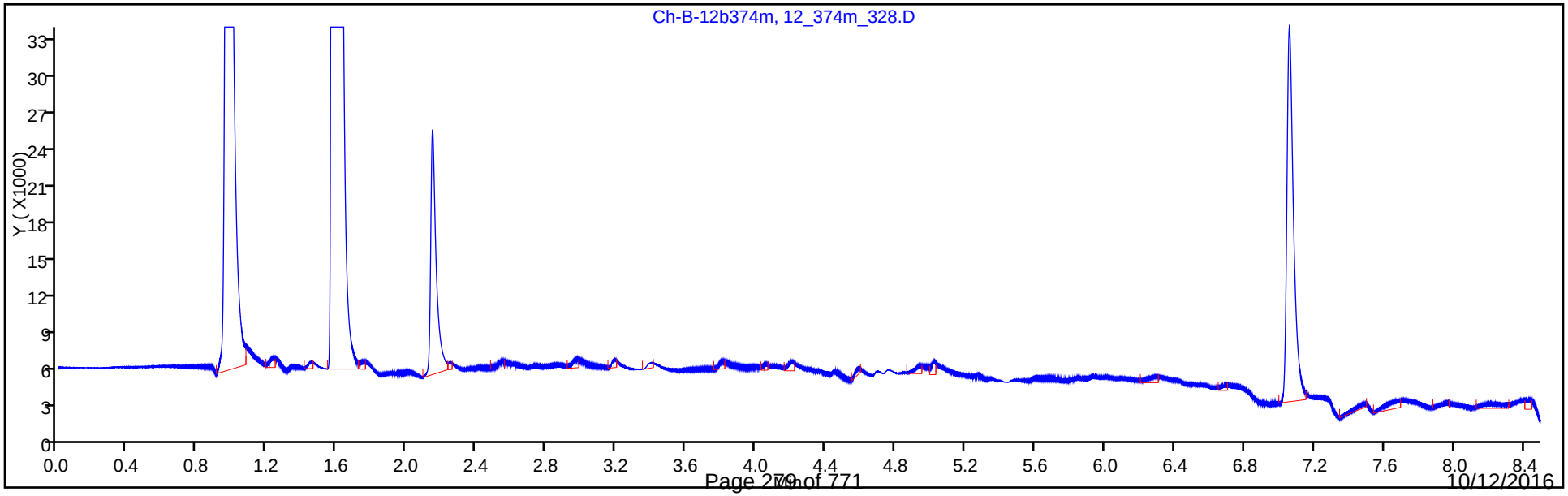
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_328.D

Injection Date:	08-Oct-2016 18:38:22	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-11-A	Lab Sample ID:	480-107100-11	Worklist Smp#:	24
Client ID:	SS7-26				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_328.D
Lims ID: 480-107100-A-11-A
Client ID: SS7-26
Sample Type: Client
Inject. Date: 08-Oct-2016 18:38:22 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:01 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:10

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0220	109.88
$ 15 DCB Decachlorobiphenyl	0.0200	0.0242	121.25

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0244	122.19
$ 15 DCB Decachlorobiphenyl	0.0200	0.0232	115.88

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-27 | Lab Sample ID: 480-107100-12

Matrix: Solid | Lab File ID: 12_374m_329.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:42

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.43(g) | Date Analyzed: 10/08/2016 18:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 29.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.29	0.057
11104-28-2	PCB-1221	ND		0.29	0.057
11141-16-5	PCB-1232	ND		0.29	0.057
53469-21-9	PCB-1242	ND		0.29	0.057
12672-29-6	PCB-1248	ND		0.29	0.057
11097-69-1	PCB-1254	0.32		0.29	0.14
11096-82-5	PCB-1260	ND		0.29	0.14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		60-154
2051-24-3	DCB Decachlorobiphenyl	76		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_329.D
Lims ID: 480-107100-A-12-A
Client ID: SS7-27
Sample Type: Client
Inject. Date: 08-Oct-2016 18:53:42 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:49 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:49

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1116022	0.5000	
2	1.581	1.580	0.001	954186	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	46583	0.0182	
2	2.147	2.146	0.001	31157	0.0192	
					RPD = 5.25	
11 PCB-1254						M
1	2.967	2.966	0.001	12798	0.0809	M
1	3.225	3.225	0.000	13973	0.0659	M
1	3.403	3.402	0.001	22084	0.1024	M
1	3.593	3.595	-0.002	11262	0.0799	M
1	3.769	3.768	0.001	21517	0.1084	M
		Average of Peak Amounts =			0.0875	
2	4.058	4.054	0.004	4500	0.0389	
2	0.000	4.364	-4.364	0	0	
2	4.455	4.452	0.003	4947	0.0287	
2	4.593	4.585	0.008	12288	0.0647	
2	5.021	5.021	0.000	11357	0.0897	
		Average of Peak Amounts =			0.0555	
					RPD = 44.76	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						M
1	4.473	4.479	-0.006	4284	NC	M
2	5.348	5.341	0.007	1192	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.433	5.435	-0.002	63568	0.0166	
2	7.060	7.062	-0.002	48689	0.0153	
					RPD = 8.66	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

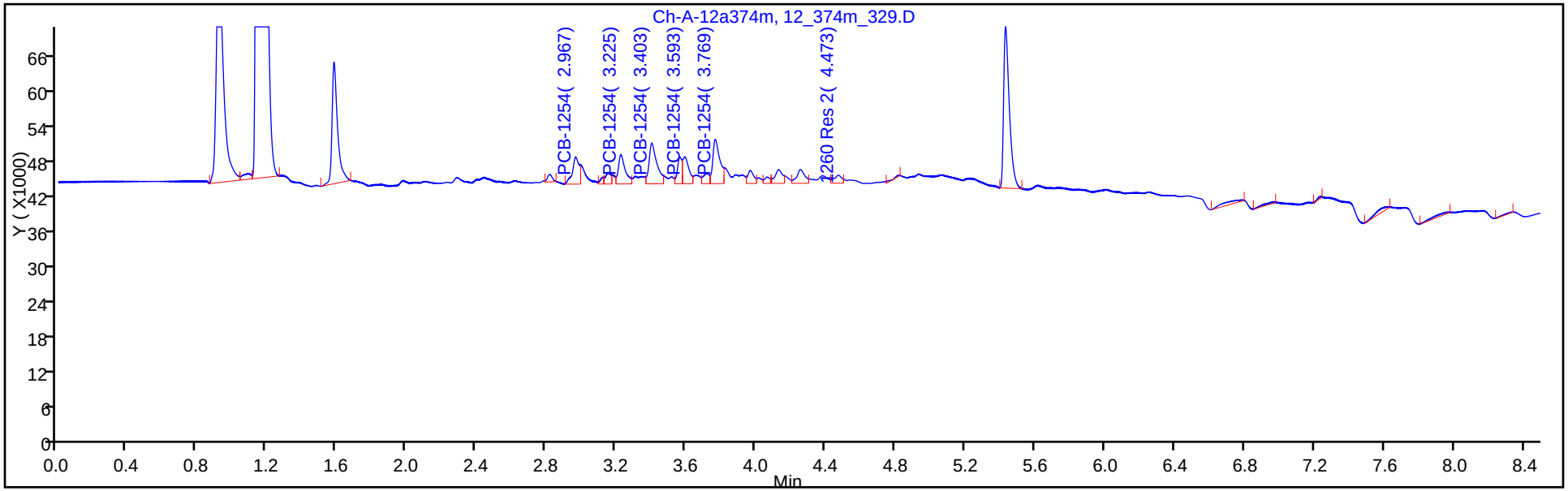
Report Date: 10-Oct-2016 12:57:50 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

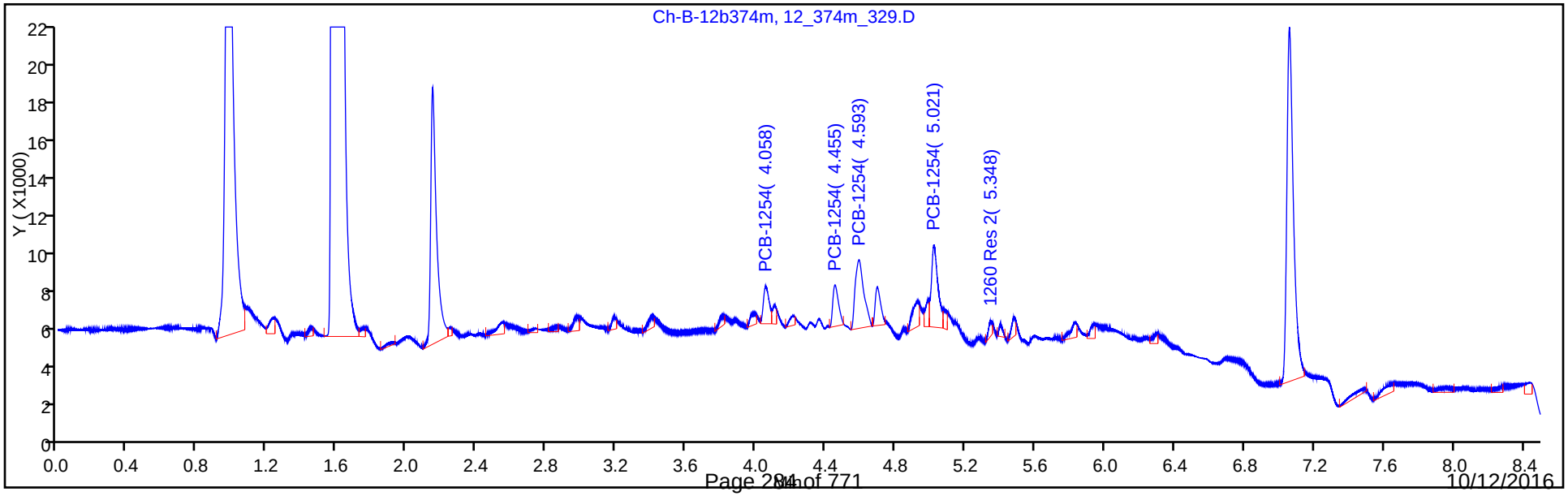
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_329.D

Injection Date:	08-Oct-2016 18:53:42	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-12-A	Lab Sample ID:	480-107100-12	Worklist Smp#:	25
Client ID:	SS7-27				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_329.D
Lims ID: 480-107100-A-12-A
Client ID: SS7-27
Sample Type: Client
Inject. Date: 08-Oct-2016 18:53:42 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:49 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:49

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0182	91.02
$ 15 DCB Decachlorobiphenyl	0.0200	0.0166	83.21

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0192	95.93
$ 15 DCB Decachlorobiphenyl	0.0200	0.0153	76.31

Report Date: 10-Oct-2016 12:57:50 Chrom Revision: 2.2 08-Sep-2016 14:45:52

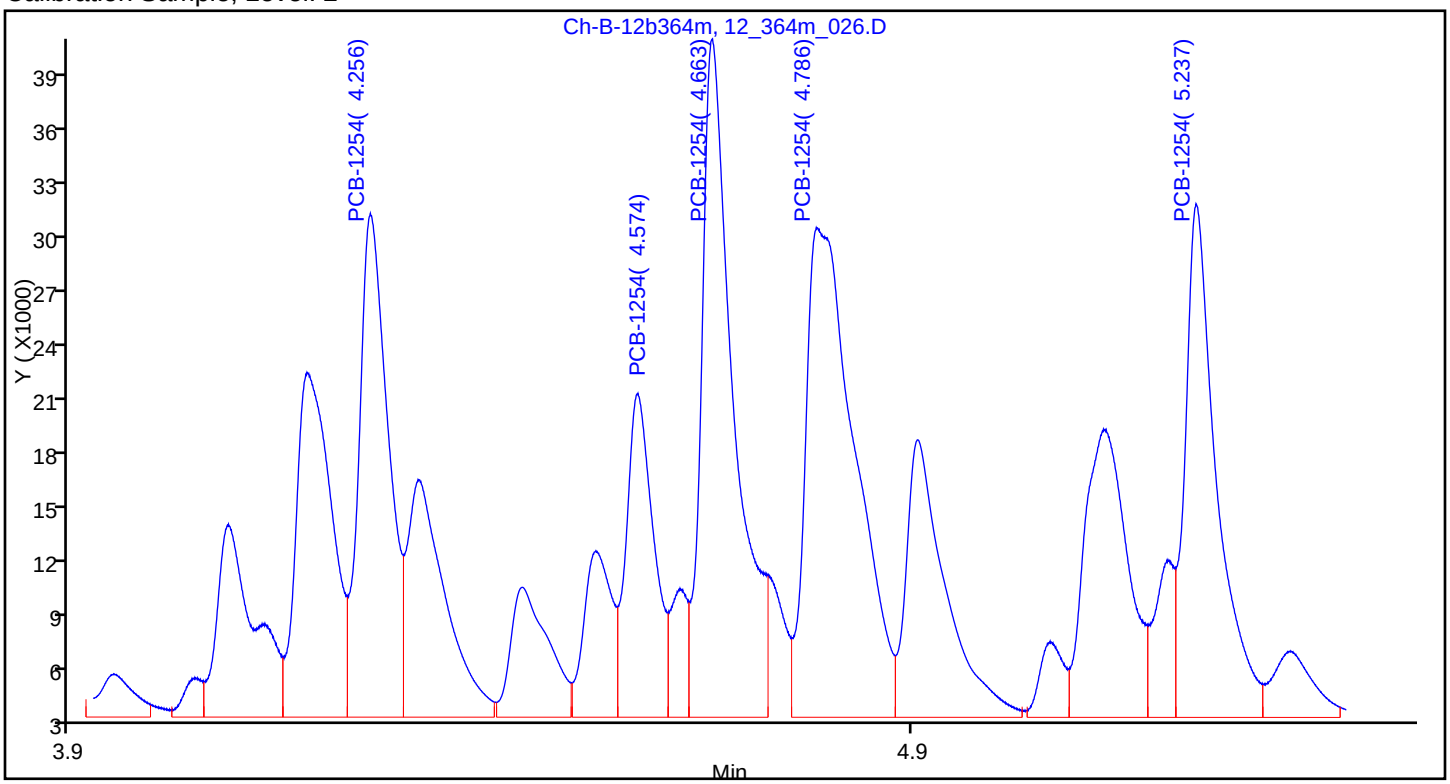
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_329.D

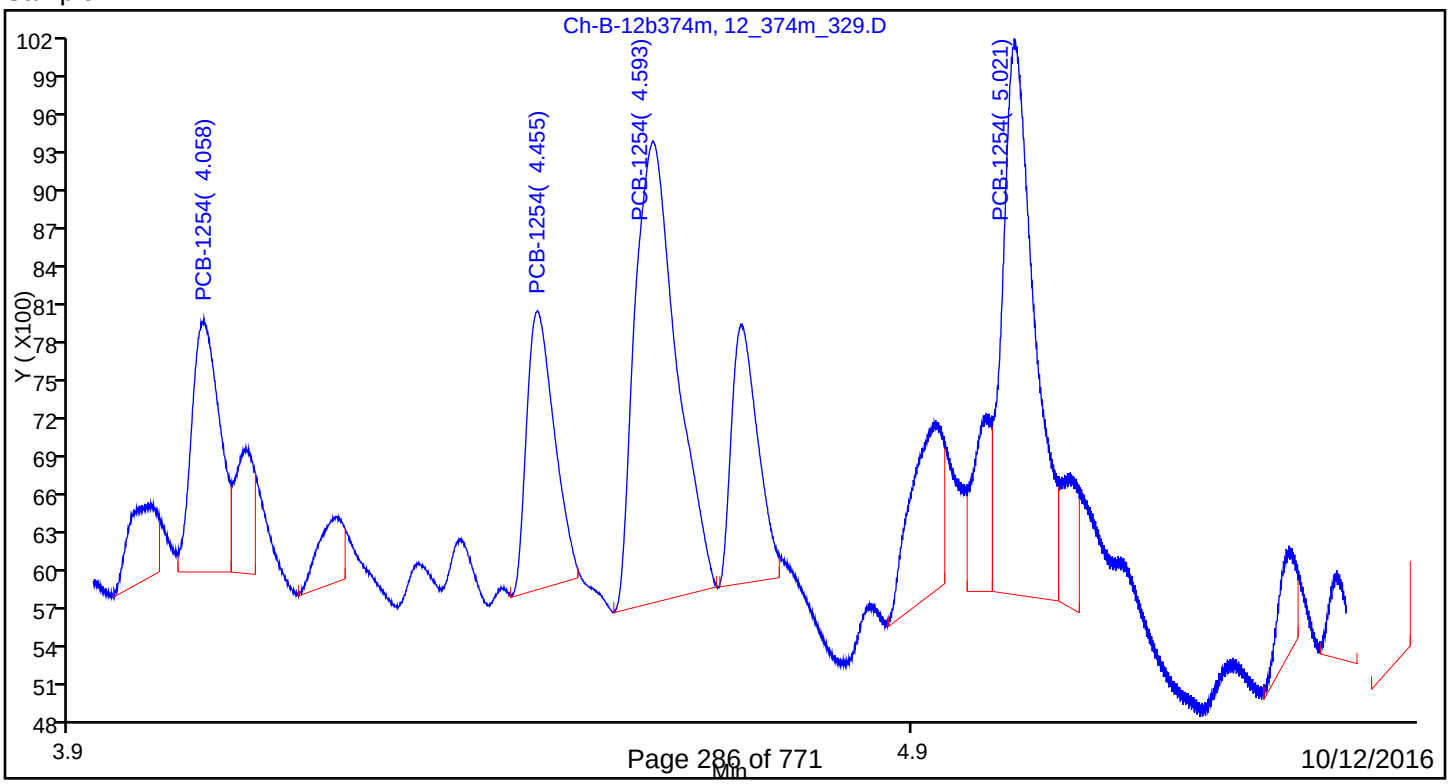
Injection Date:	08-Oct-2016 18:53:42	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-12-A	Lab Sample ID:	480-107100-12		
Client ID:	SS7-27				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-DUP3 | Lab Sample ID: 480-107100-13

Matrix: Solid | Lab File ID: 12_374m_330.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:27

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.07(g) | Date Analyzed: 10/08/2016 19:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.28	0.055
11104-28-2	PCB-1221	ND		0.28	0.055
11141-16-5	PCB-1232	ND		0.28	0.055
53469-21-9	PCB-1242	ND		0.28	0.055
12672-29-6	PCB-1248	ND		0.28	0.055
11097-69-1	PCB-1254	0.32		0.28	0.13
11096-82-5	PCB-1260	ND		0.28	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	131		60-154
2051-24-3	DCB Decachlorobiphenyl	124		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_330.D
Lims ID: 480-107100-A-13-A
Client ID: SS7-DUP3
Sample Type: Client
Inject. Date: 08-Oct-2016 19:09:02 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:59 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.150	1.148	0.002	1103762	0.5000	
2	1.581	1.580	0.001	936971	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.581	1.580	0.001	60732	0.0240	
2	2.146	2.146	0.000	41709	0.0262	
					RPD = 8.61	
11 PCB-1254						
1	2.967	2.966	0.001	4907	0.0314	
1	3.226	3.225	0.001	10761	0.0513	
1	3.404	3.402	0.002	18870	0.0885	
1	3.594	3.595	-0.001	9146	0.0656	
1	3.767	3.768	-0.001	16207	0.0825	
		Average of Peak Amounts =			0.0639	
2	4.057	4.054	0.003	4861	0.0428	
2	4.365	4.364	0.001	1022	0.0150	
2	4.453	4.452	0.001	6569	0.0389	
2	4.593	4.585	0.008	14276	0.0765	
2	5.021	5.021	0.000	14615	0.1176	
		Average of Peak Amounts =			0.0581	
					RPD = 9.40	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						
1	4.477	4.479	-0.002	2194	NC	
2	5.346	5.341	0.005	2728	NC	
$ 15 DCB Decachlorobiphenyl						
1	5.432	5.435	-0.003	100025	0.0265	
2	7.060	7.062	-0.002	77920	0.0249	
					RPD = 6.26	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

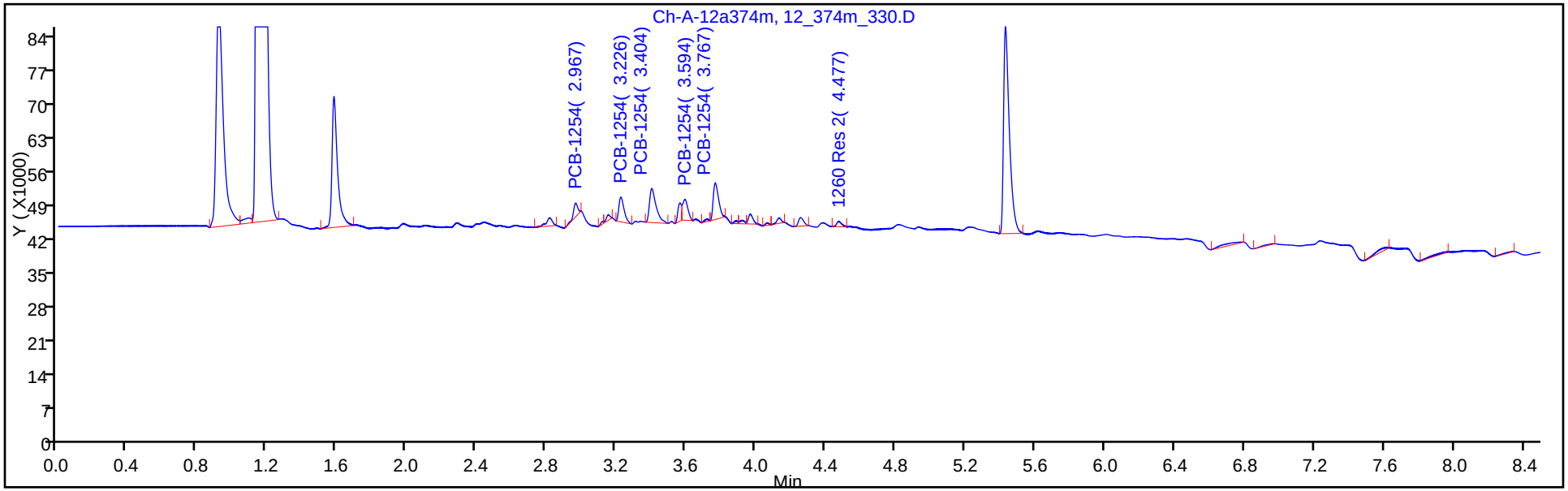
Report Date: 10-Oct-2016 12:58:00 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

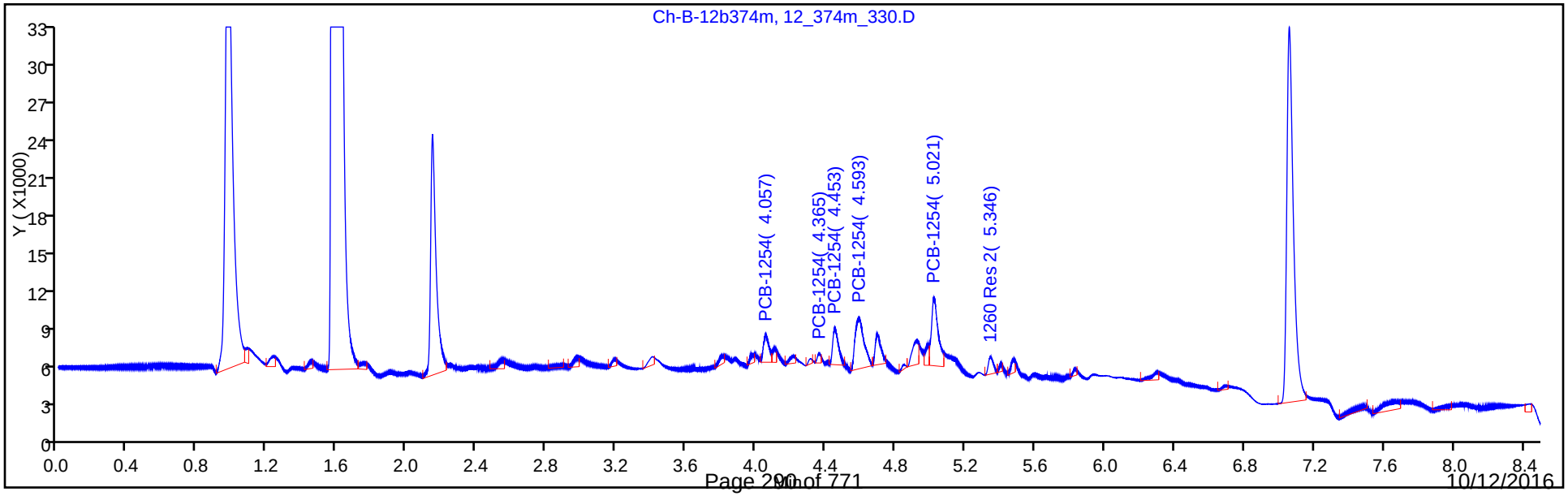
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_330.D

Injection Date:	08-Oct-2016 19:09:02	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-13-A	Lab Sample ID:	480-107100-13	Worklist Smp#:	26
Client ID:	SS7-DUP3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_330.D
Lims ID: 480-107100-A-13-A
Client ID: SS7-DUP3
Sample Type: Client
Inject. Date: 08-Oct-2016 19:09:02 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:57:59 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:57:59

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0240	119.98
$ 15 DCB Decachlorobiphenyl	0.0200	0.0265	132.39

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0262	130.77
$ 15 DCB Decachlorobiphenyl	0.0200	0.0249	124.36

Report Date: 10-Oct-2016 12:58:00 Chrom Revision: 2.2 08-Sep-2016 14:45:52

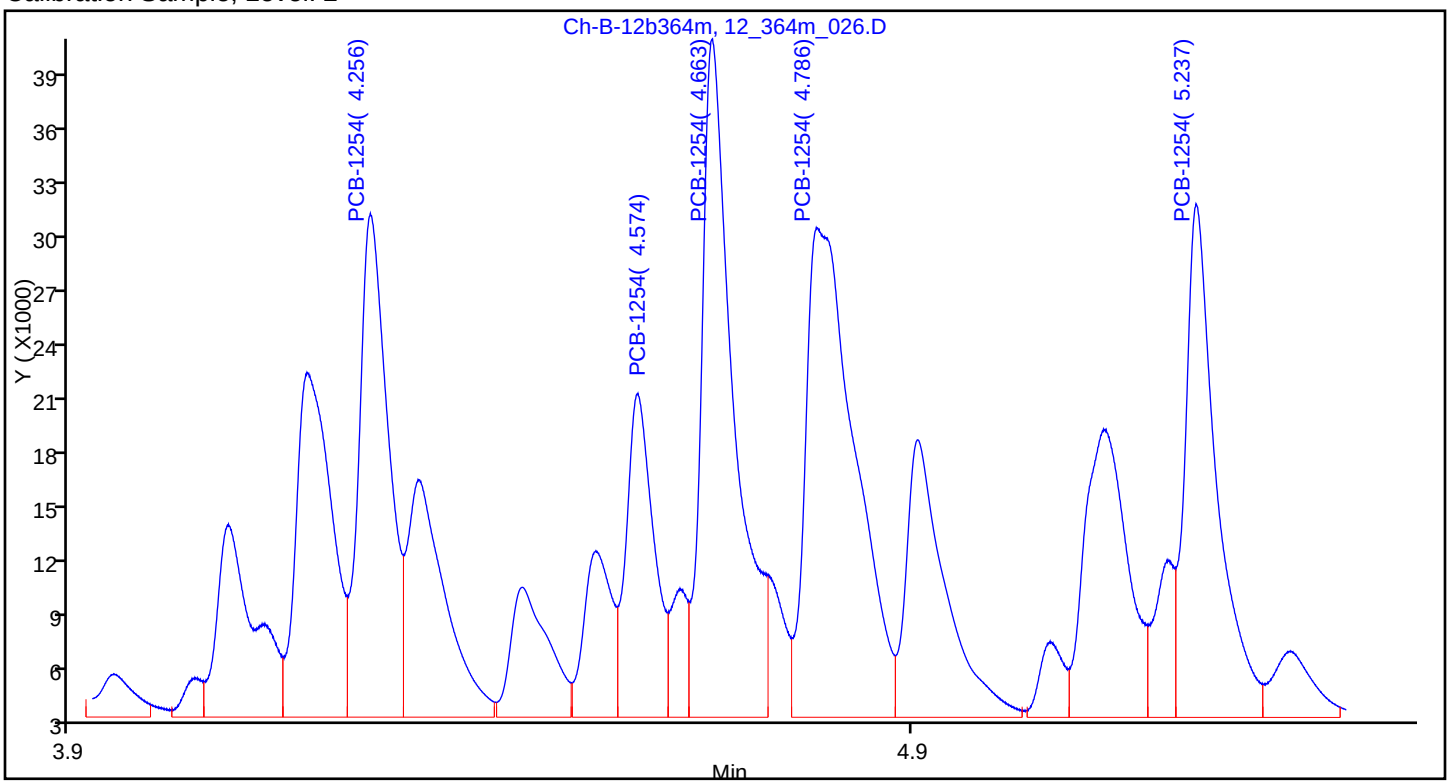
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_330.D

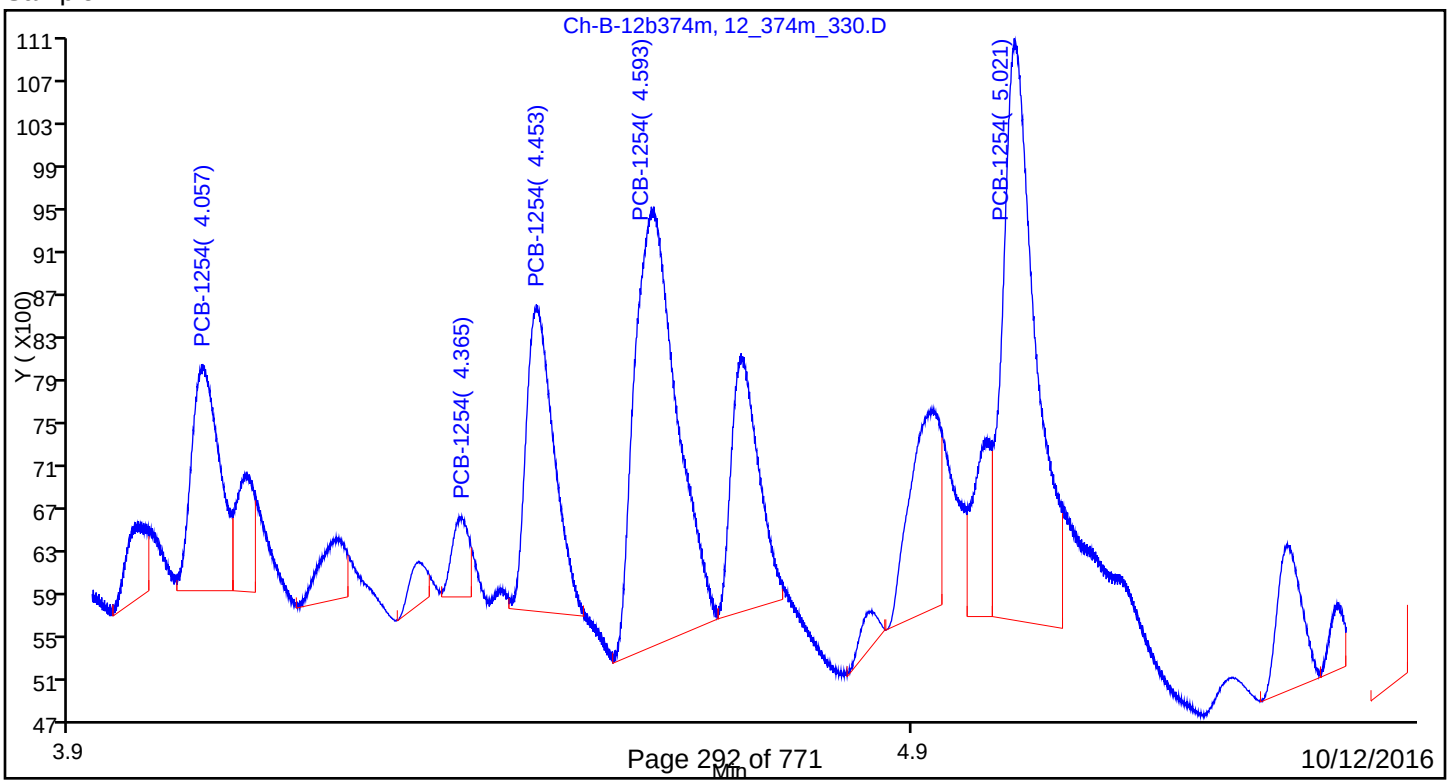
Injection Date:	08-Oct-2016 19:09:02	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-13-A	Lab Sample ID:	480-107100-13		
Client ID:	SS7-DUP3				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-RINSE BLANK | Lab Sample ID: 480-107100-14

Matrix: Water | Lab File ID: 6_11-237.D

Analysis Method: 8082A | Date Collected: 10/05/2016 14:20

Extraction Method: 3510C | Date Extracted: 10/10/2016 07:50

Sample wt/vol: 263.6(mL) | Date Analyzed: 10/11/2016 07:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324833 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.47	0.17
11104-28-2	PCB-1221	ND		0.47	0.17
11141-16-5	PCB-1232	ND		0.47	0.17
53469-21-9	PCB-1242	ND		0.47	0.17
12672-29-6	PCB-1248	ND		0.47	0.17
11097-69-1	PCB-1254	ND		0.47	0.24
11096-82-5	PCB-1260	ND		0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		39-121
2051-24-3	DCB Decachlorobiphenyl	74		19-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-237.D
Lims ID: 480-107100-A-14-A
Client ID: SS7-RINSE BLANK
Sample Type: Client
Inject. Date: 11-Oct-2016 07:16:19 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:52 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: RudzG Date: 11-Oct-2016 12:51:13

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.153	1.153	0.001	37238520	0.5000	
2	1.128	1.128	0.000	63703790	0.5000	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.138	2.136	0.002	1510955	0.0189	
2	1.796	1.796	0.000	1853536	0.0133	
					RPD = 34.78	
$ 15 DCB Decachlorobiphenyl						
1	6.888	6.890	-0.002	490954	0.0149	
2	6.520	6.521	-0.001	1217090	0.0147	
					RPD = 1.03	

Reagents:

PCB IS 1B2NB_00016	Amount Added: 20.00	Units: uL	Run Reagent
COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent

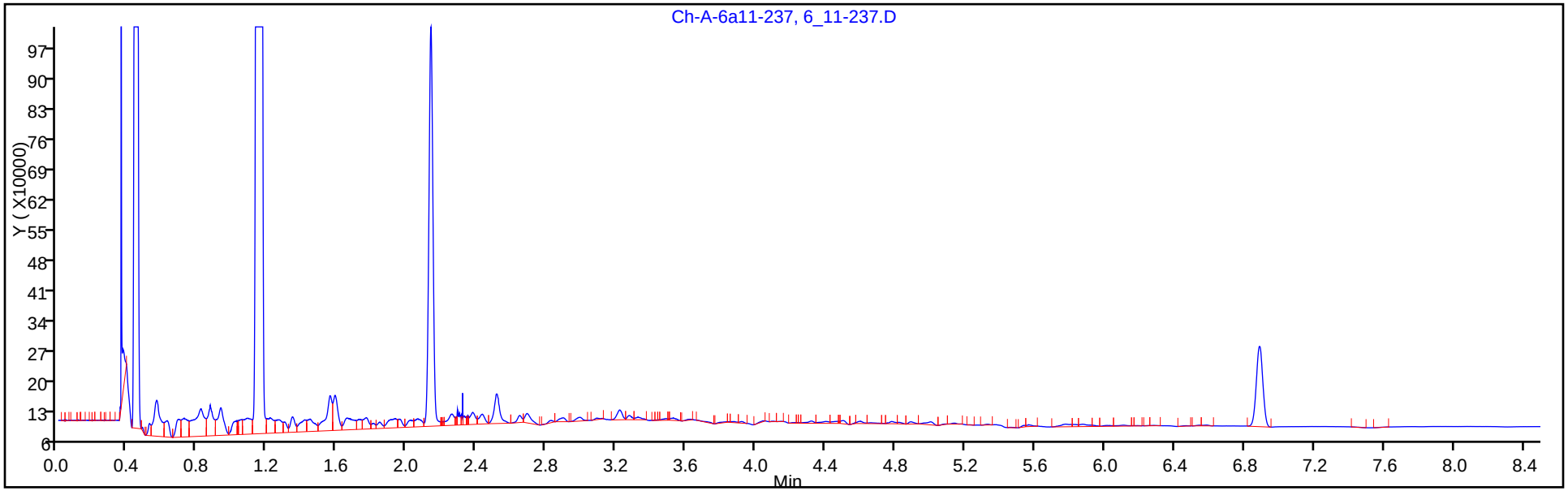
Report Date: 11-Oct-2016 13:00:23 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

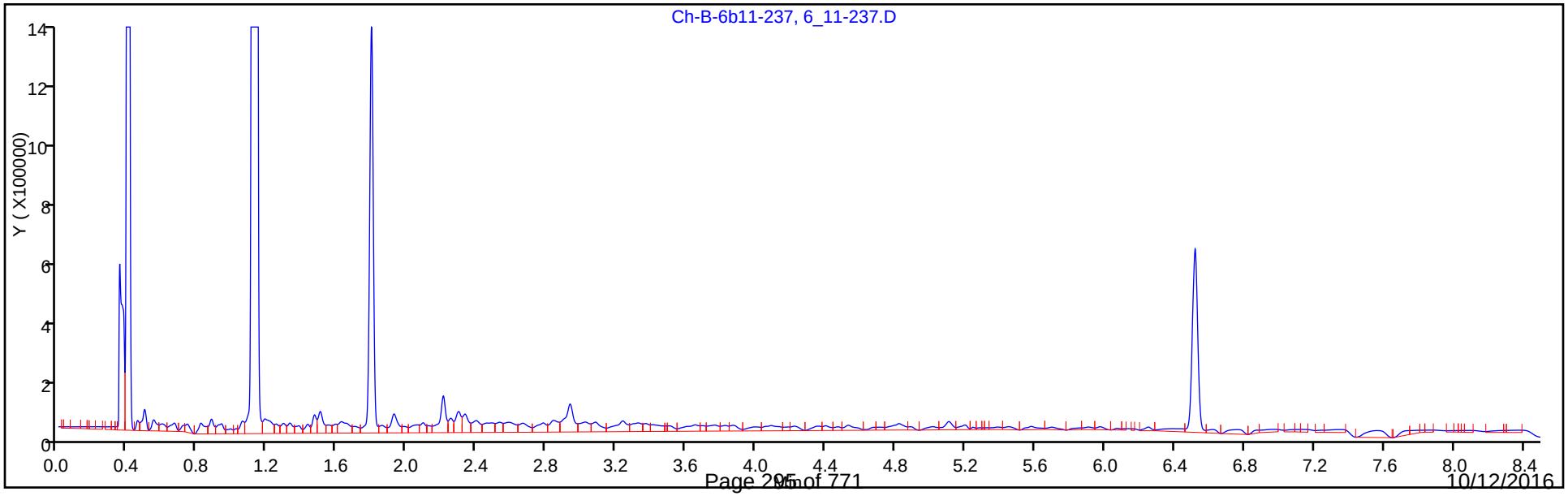
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-237.D

Injection Date:	11-Oct-2016 07:16:19	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-14-A	Lab Sample ID:	480-107100-14	Worklist Smp#:	27
Client ID:	SS7-RINSE BLANK				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-237.D
Lims ID: 480-107100-A-14-A
Client ID: SS7-RINSE BLANK
Sample Type: Client
Inject. Date: 11-Oct-2016 07:16:19 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:52 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: RudzG Date: 11-Oct-2016 12:51:13

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0189	94.40
$ 15 DCB Decachlorobiphenyl	0.0200	0.0149	74.28

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0133	66.43
$ 15 DCB Decachlorobiphenyl	0.0200	0.0147	73.52

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0366 0.0322	0.0281 0.0297	0.0299	0.0344	0.0328	Ave		0.0320				9.3		20.0			
PCB-1016 Peak 2	0.0295 0.0348	0.0324 0.0334	0.0338	0.0374	0.0359	Ave		0.0339				7.5		20.0			
PCB-1016 Peak 3	0.0907 0.1011	0.0909 0.0947	0.0923	0.0986	0.0987	Ave		0.0953				4.4		20.0			
PCB-1016 Peak 4	0.0439 0.0412	0.0391 0.0389	0.0414	0.0431	0.0409	Ave		0.0412				4.6		20.0			
PCB-1016 Peak 5	0.0222 0.0284	0.0244 0.0280	0.0301	0.0276	0.0270	Ave		0.0268				9.9		20.0			
PCB-1260 Peak 1	0.0742 0.0931	0.0881 0.0839	0.0960	0.0971	0.0950	Ave		0.0896				9.2		20.0			
PCB-1260 Peak 2	0.0524 0.0465	0.0542 0.0428	0.0565	0.0545	0.0498	Ave		0.0509				9.6		20.0			
PCB-1260 Peak 3	0.0395 0.0442	0.0462 0.0420	0.0497	0.0481	0.0463	Ave		0.0451				7.8		20.0			
PCB-1260 Peak 4	0.1440 0.1355	0.1319 0.1302	0.1421	0.1395	0.1376	Ave		0.1373				3.7		20.0			
PCB-1260 Peak 5	0.0599 0.0584	0.0584 0.0574	0.0591	0.0593	0.0586	Ave		0.0587				1.3		20.0			
Tetrachloro-m-xylene	1.3283 1.1705	1.0600 1.1919	1.1372	1.0710	1.0664	Ave		1.1465				8.4		20.0			
DCB Decachlorobiphenyl	1.8584 1.7018	1.6543 1.5651	1.7357	1.7492	1.7141	Ave		1.7112				5.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	2089 91005	4054 169825	8391	19723	46075	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	1688 98316	4683 191217	9502	21416	50421	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	5179 285278	13135 541753	25919	56465	138815	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	2510 116405	5641 222347	11615	24661	57534	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	1267 80200	3531 160011	8458	15792	37977	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	4236 262792	12728 480226	26961	55584	133488	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	2994 131297	7824 244941	15860	31174	69979	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	2255 124850	6669 240358	13951	27543	65143	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	8227 382471	19046 745098	39901	79841	193420	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	3419 164890	8438 328390	16582	33928	82375	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	1897 82592	3828 170472	7983	15329	37477	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	2654 120081	5974 223860	12184	25037	60241	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-May-2016 17:08:32 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:02 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:30:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.238	1.237	0.001	1430299	0.5000	0.5000	
2	1.695	1.694	0.001	1127308	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.723	0.002	170472	0.0500	0.0520	a
2	2.294	2.296	-0.002	111019	0.0500	0.0579	M
						RPD = 10.71	
9 PCB-1016							M
1	1.899	1.898	0.001	169825	2.00	1.86	a
1	2.237	2.237	0.000	191217	2.00	1.97	a
1	2.389	2.390	-0.001	541753	2.00	1.99	a
1	2.457	2.460	-0.003	222347	2.00	1.89	a
1	2.504	2.500	0.004	160011	2.00	2.09	a
		Average of Peak Amounts =				1.96	
2	2.709	2.709	0.000	105556	2.00	1.75	M
2	3.033	3.039	-0.006	204615	2.00	1.72	M
2	3.249	3.248	0.001	126930	2.00	1.87	M
2	3.345	3.348	-0.003	390116	2.00	1.95	M
2	3.467	3.470	-0.003	161066	2.00	1.93	M
		Average of Peak Amounts =				1.84	
						RPD = 6.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	480226	2.00	1.87	a
1	4.149	4.148	0.001	244941	2.00	1.68	a
1	4.327	4.328	-0.001	240358	2.00	1.86	a
1	4.521	4.520	0.001	745098	2.00	1.90	a
1	4.748	4.747	0.001	328390	2.00	1.96	a
		Average of Peak Amounts =				1.85	
2	5.237	5.237	0.000	258645	2.00	1.86	a
2	5.560	5.563	-0.003	213607	2.00	1.96	a
2	5.627	5.629	-0.002	170965	2.00	1.85	a
2	5.693	5.695	-0.002	606591	2.00	1.95	a
2	6.086	6.086	0.000	406580	2.00	1.97	a
		Average of Peak Amounts =				1.92	
						RPD = 3.51	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.721	0.004	223860	0.0500	0.0457	a
2	7.442	7.439	0.003	181020	0.0500	0.0480	a
						RPD = 4.90	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00003 Amount Added: 0.25 Units: mL

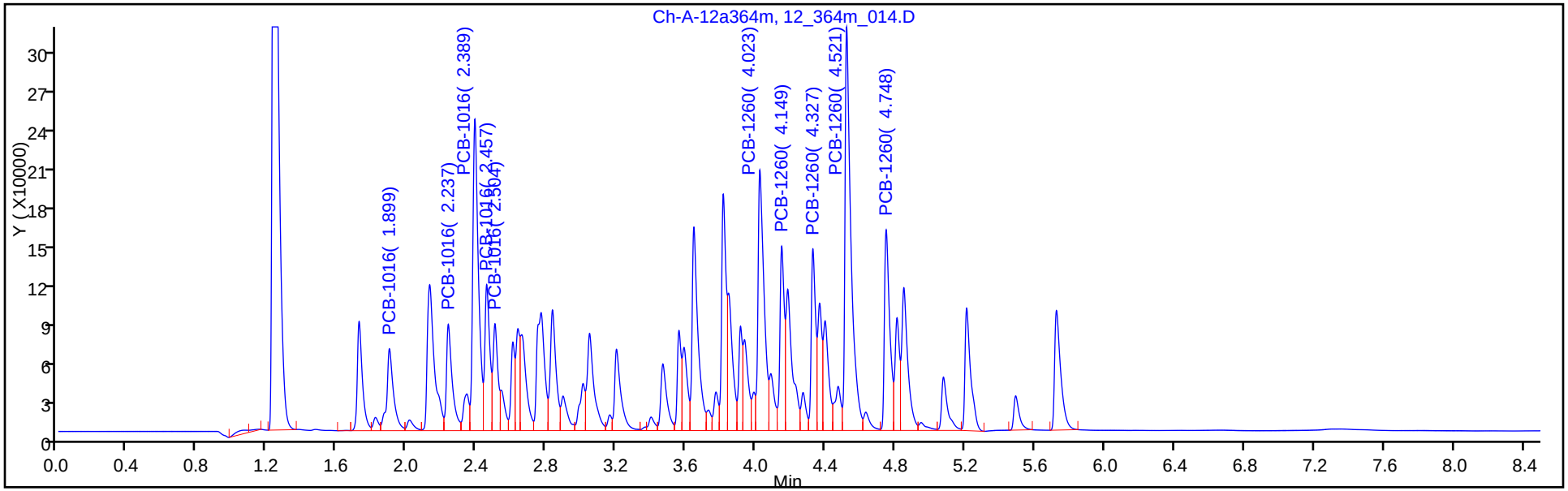
Report Date: 05-May-2016 16:32:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

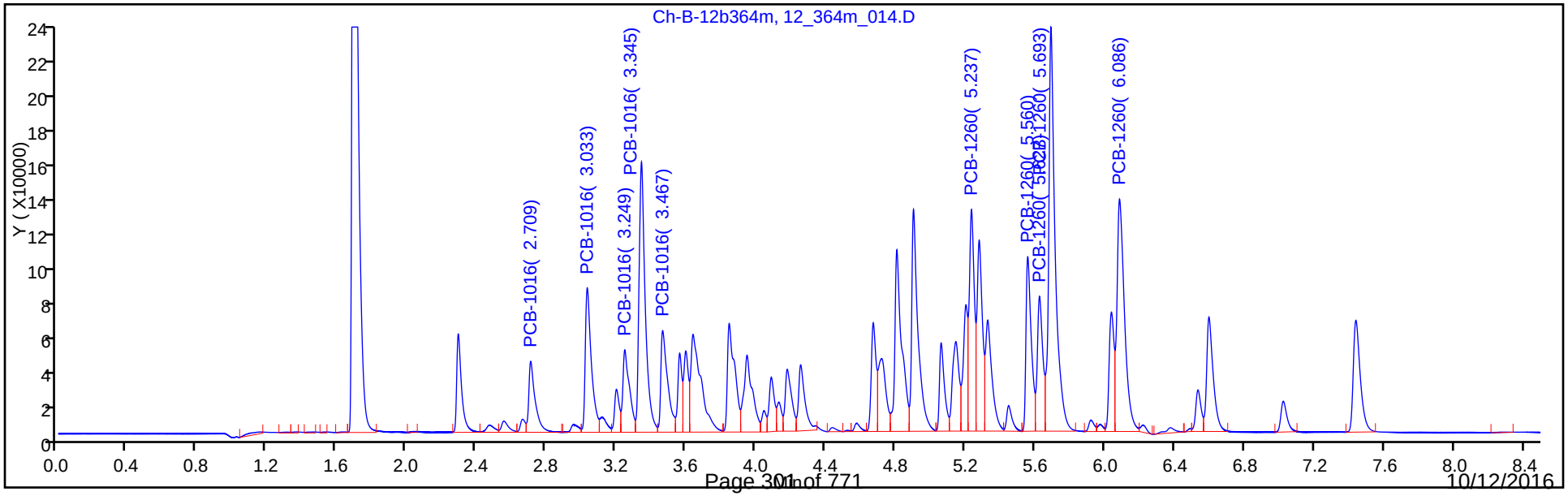
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D

Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

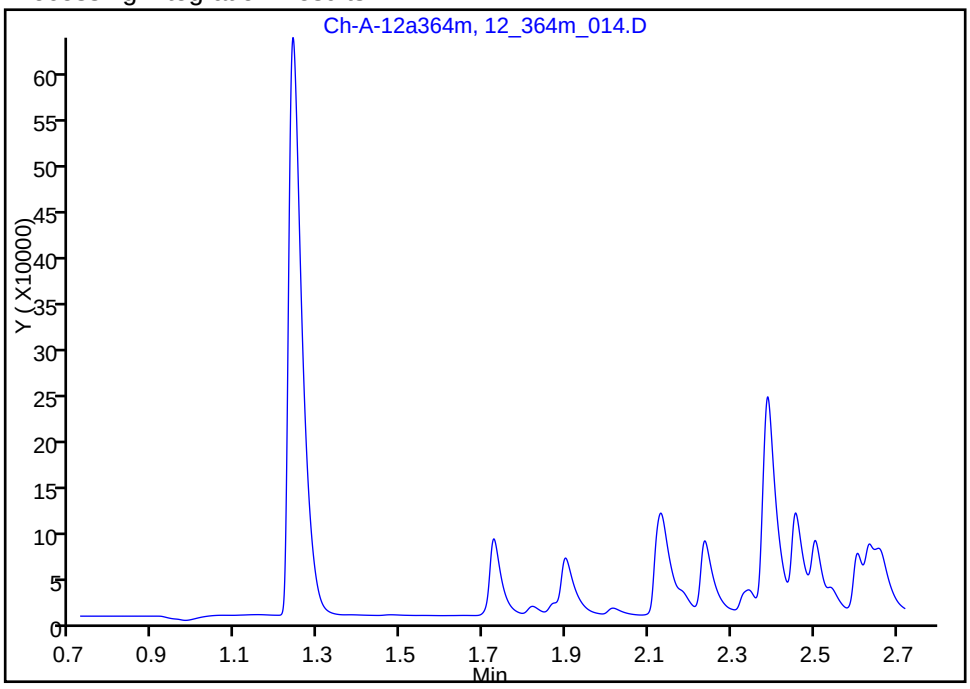
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Injection Date: 04-May-2016 17:08:32 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

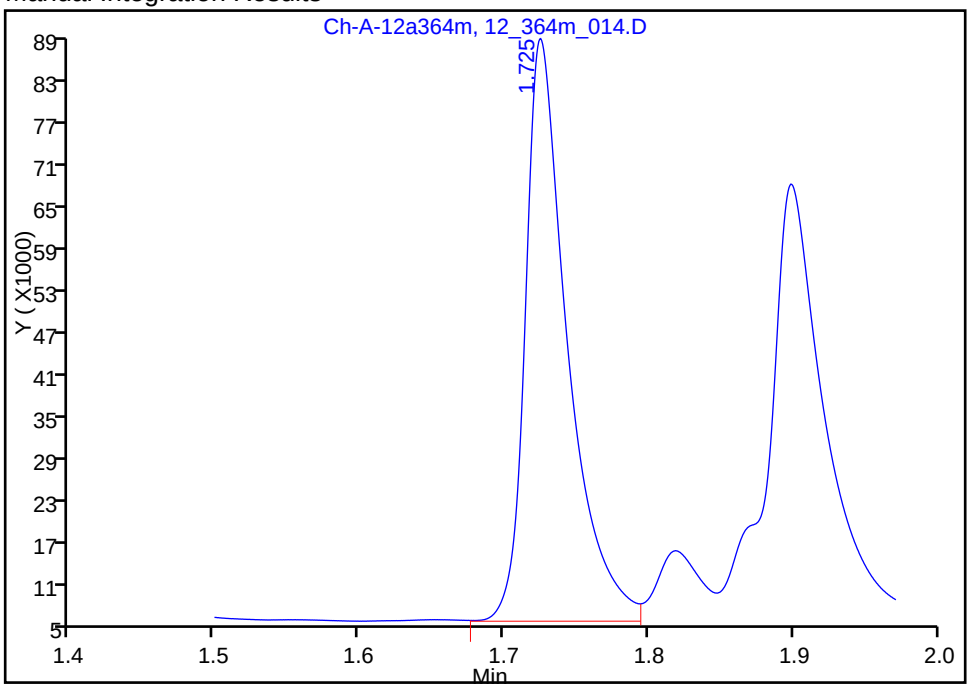
Not Detected
Expected RT: 1.72

Processing Integration Results



Manual Integration Results

RT: 1.73
Area: 170472
Amount: 0.051980
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 17:30:32
Audit Action: Assigned Compound ID Audit Reason:

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-May-2016 17:23:52 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:08 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:57:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1411258	0.5000	0.5000	
2	1.695	1.694	0.001	1117617	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.725	1.723	0.002	82592	0.0250	0.0255	
2	2.295	2.296	-0.001	49939	0.0250	0.0263	
						RPD = 2.82	
9 PCB-1016							M
1	1.899	1.898	0.001	91005	1.00	1.01	
1	2.237	2.237	0.000	98316	1.00	1.03	M
1	2.389	2.390	-0.001	285278	1.00	1.06	M
1	2.457	2.460	-0.003	116405	1.00	1.00	M
1	2.504	2.500	0.004	80200	1.00	1.06	M
		Average of Peak Amounts =				1.03	
2	2.711	2.709	0.002	58754	1.00	0.9835	M
2	3.035	3.039	-0.004	110607	1.00	0.9366	M
2	3.250	3.248	0.002	66325	1.00	0.9852	M
2	3.345	3.348	-0.003	204294	1.00	1.03	M
2	3.468	3.470	-0.002	84305	1.00	1.02	M
		Average of Peak Amounts =				0.9900	
						RPD = 4.11	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	262792	1.00	1.04	
1	4.149	4.148	0.001	131297	1.00	0.9131	
1	4.327	4.328	-0.001	124850	1.00	0.9798	
1	4.521	4.520	0.001	382471	1.00	0.9873	
1	4.747	4.747	0.000	164890	1.00	0.99	
		Average of Peak Amounts =				0.9828	
2	5.237	5.237	0.000	133694	1.00	0.9681	
2	5.561	5.563	-0.002	110021	1.00	1.02	
2	5.627	5.629	-0.002	88091	1.00	0.9638	
2	5.693	5.695	-0.002	311959	1.00	1.01	
2	6.086	6.086	0.000	205276	1.00	1.00	
		Average of Peak Amounts =				0.99	
						RPD = 1.11	
$ 15 DCB Decachlorobiphenyl							
1	5.723	5.721	0.002	120081	0.0250	0.0249	
2	7.441	7.439	0.002	93150	0.0250	0.0249	
						RPD = 0.27	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00004 Amount Added: 0.25 Units: mL

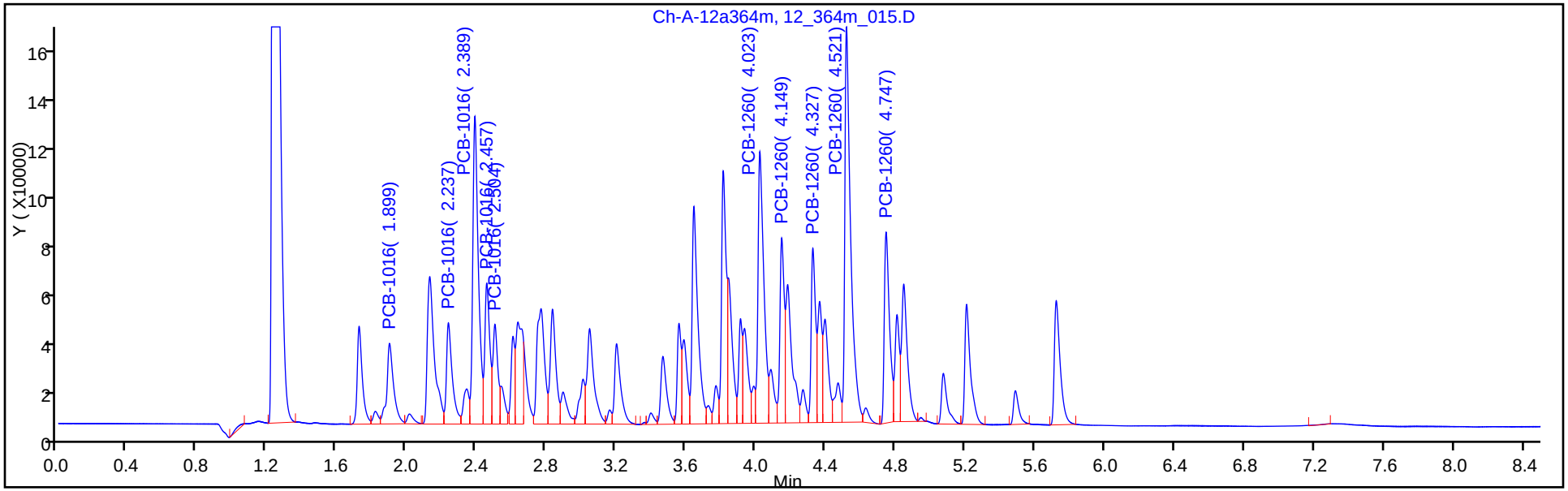
Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

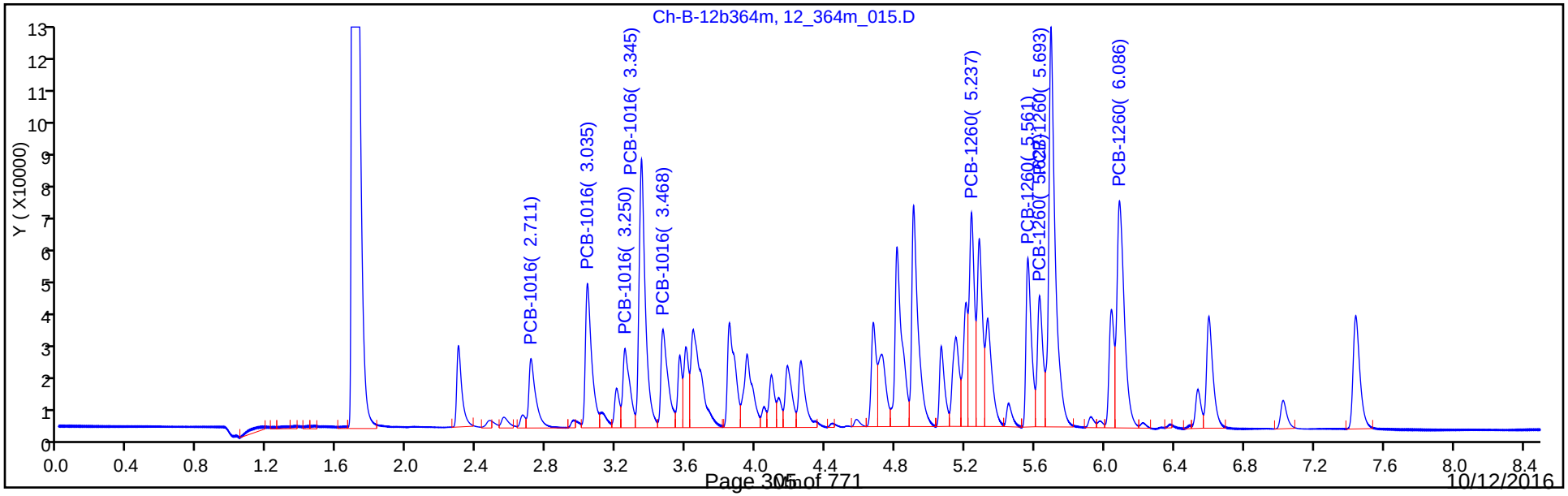
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

Injection Date:	04-May-2016 17:23:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



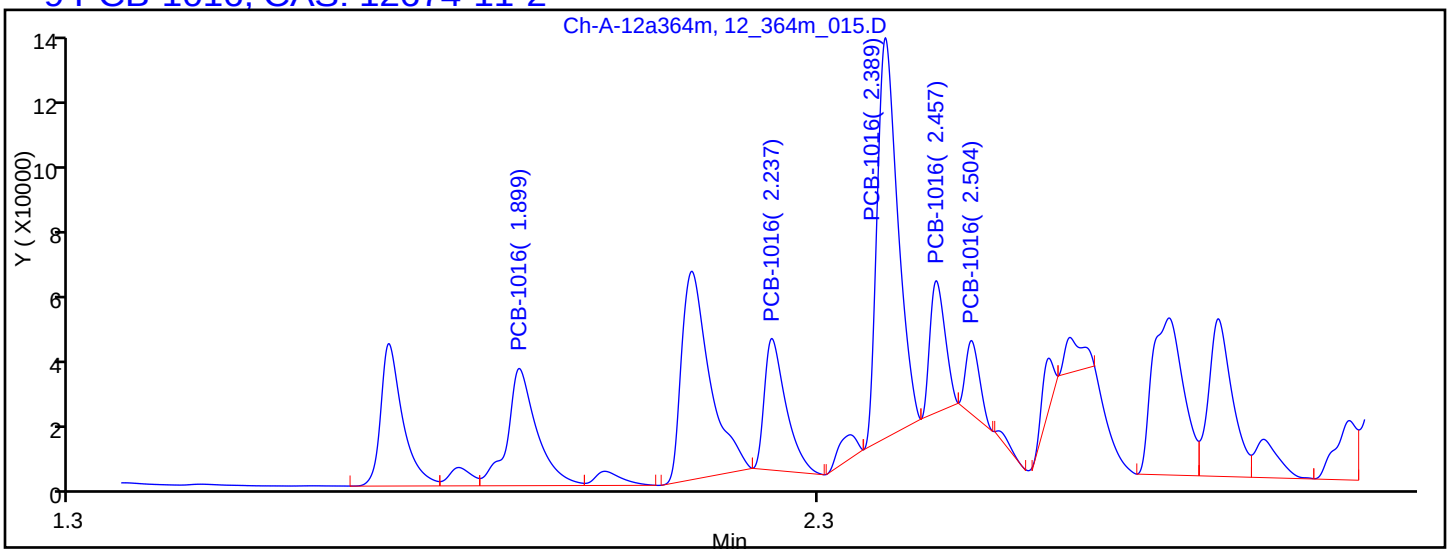
Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

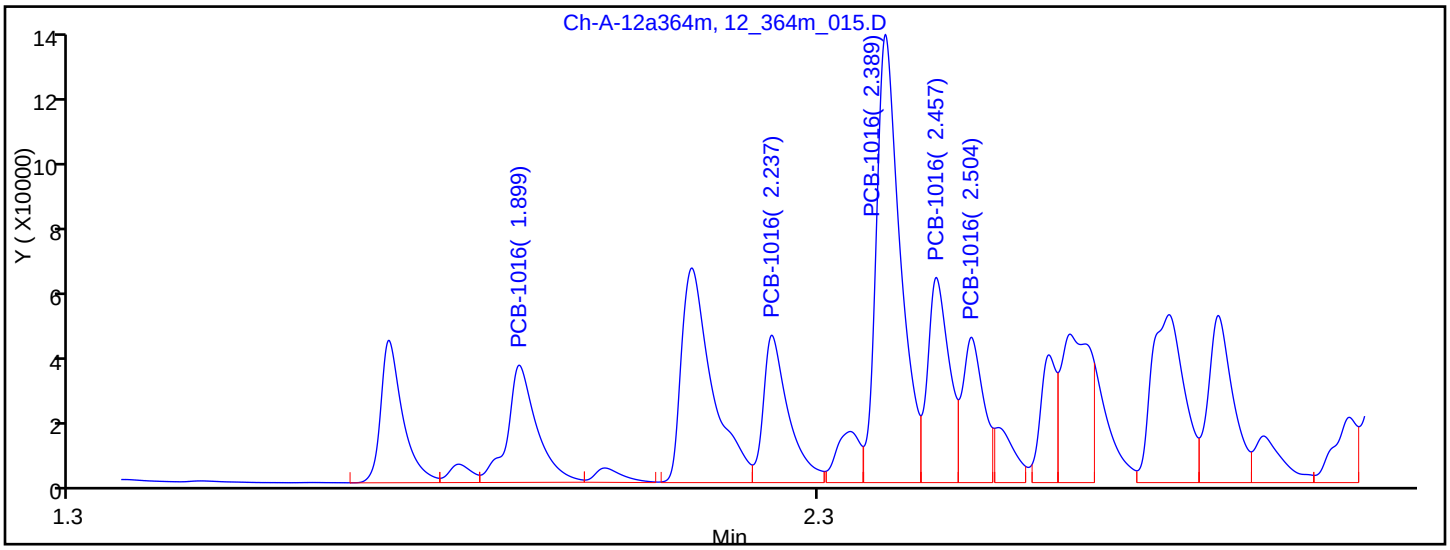
Injection Date:	04-May-2016 17:23:52	Instrument ID:	HP5890-12		
Lims ID:	IC 6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.899	Response = 91005	
RT = 2.237	Response = 74919	M
RT = 2.389	Response = 218189	M
RT = 2.457	Response = 52841	M
RT = 2.504	Response = 26607	M



Manual Integration Results

RT = 1.899	Response = 91005	
RT = 2.237	Response = 98316	M
RT = 2.389	Response = 285278	M
RT = 2.457	Response = 116405	M
RT = 2.504	Response = 80200	M

Reviewer: sobolk, 04-May-2016 17:57:58

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 04-May-2016 17:39:14 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:58:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1405777	0.5000	0.5000	
2	1.695	1.695	0.000	1112534	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	37477	0.0125	0.0116	
2	2.296	2.296	0.000	23268	0.0125	0.0123	M
						RPD = 5.53	
9 PCB-1016							M
1	1.901	1.901	0.000	46075	0.5000	0.5129	M
1	2.239	2.239	0.000	50421	0.5000	0.5289	M
1	2.390	2.390	0.000	138815	0.5000	0.5181	M
1	2.458	2.458	0.000	57534	0.5000	0.4966	M
1	2.505	2.505	0.000	37977	0.5000	0.5037	M
		Average of Peak Amounts =				0.5120	
2	2.713	2.713	0.000	29526	0.5000	0.4965	M
2	3.037	3.037	0.000	58190	0.5000	0.4950	M
2	3.251	3.251	0.000	33081	0.5000	0.4936	M
2	3.346	3.346	0.000	99224	0.5000	0.5015	M
2	3.470	3.470	0.000	42168	0.5000	0.5109	M
		Average of Peak Amounts =				0.4995	
						RPD = 2.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	133488	0.5000	0.5297	
1	4.150	4.150	0.000	69979	0.5000	0.4886	
1	4.329	4.329	0.000	65143	0.5000	0.5132	
1	4.522	4.522	0.000	193420	0.5000	0.5012	
1	4.749	4.749	0.000	82375	0.5000	0.4990	
		Average of Peak Amounts =				0.5064	
2	5.239	5.239	0.000	68244	0.5000	0.4964	M
2	5.563	5.563	0.000	56030	0.5000	0.5220	
2	5.631	5.631	0.000	44769	0.5000	0.4921	M
2	5.695	5.695	0.000	157424	0.5000	0.5135	M
2	6.089	6.089	0.000	102229	0.5000	0.5023	M
		Average of Peak Amounts =				0.5052	
						RPD = 0.22	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	60241	0.0125	0.0125	
2	7.444	7.444	0.000	47392	0.0125	0.0127	
						RPD = 1.74	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00003 Amount Added: 0.25 Units: mL

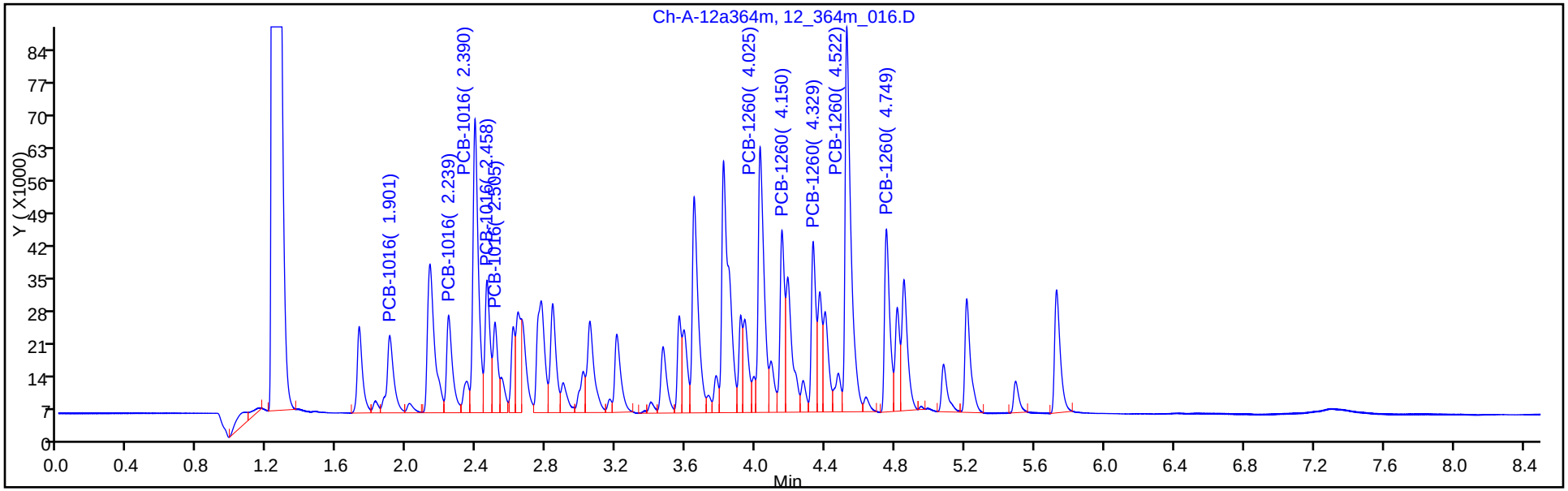
Report Date: 05-May-2016 16:32:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

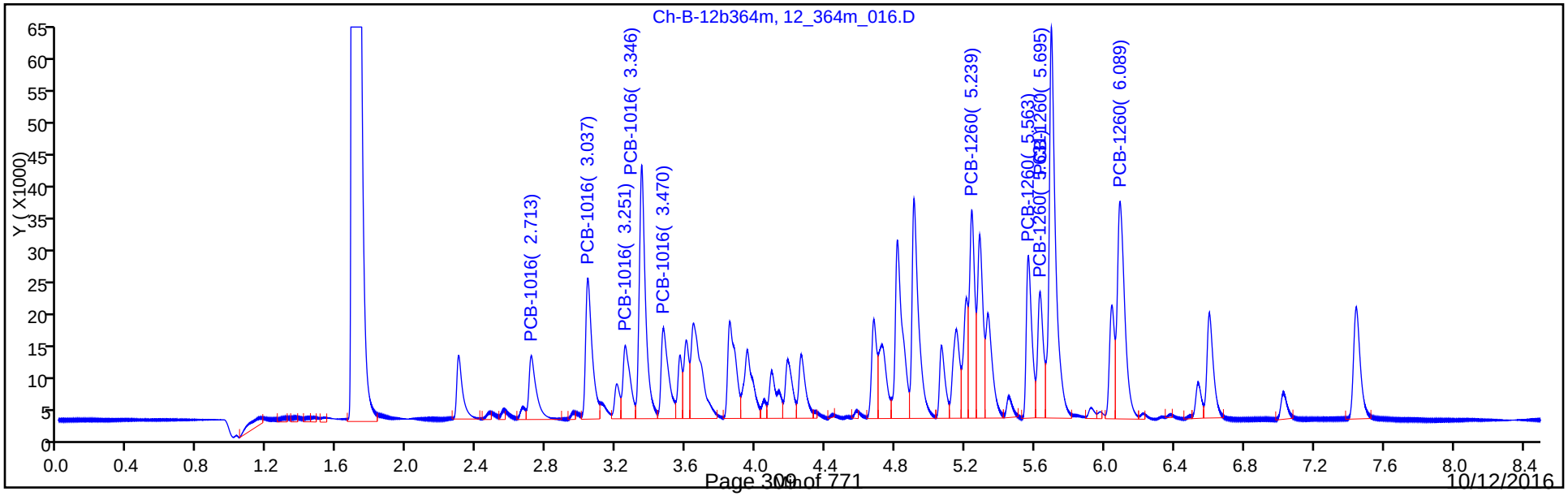
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



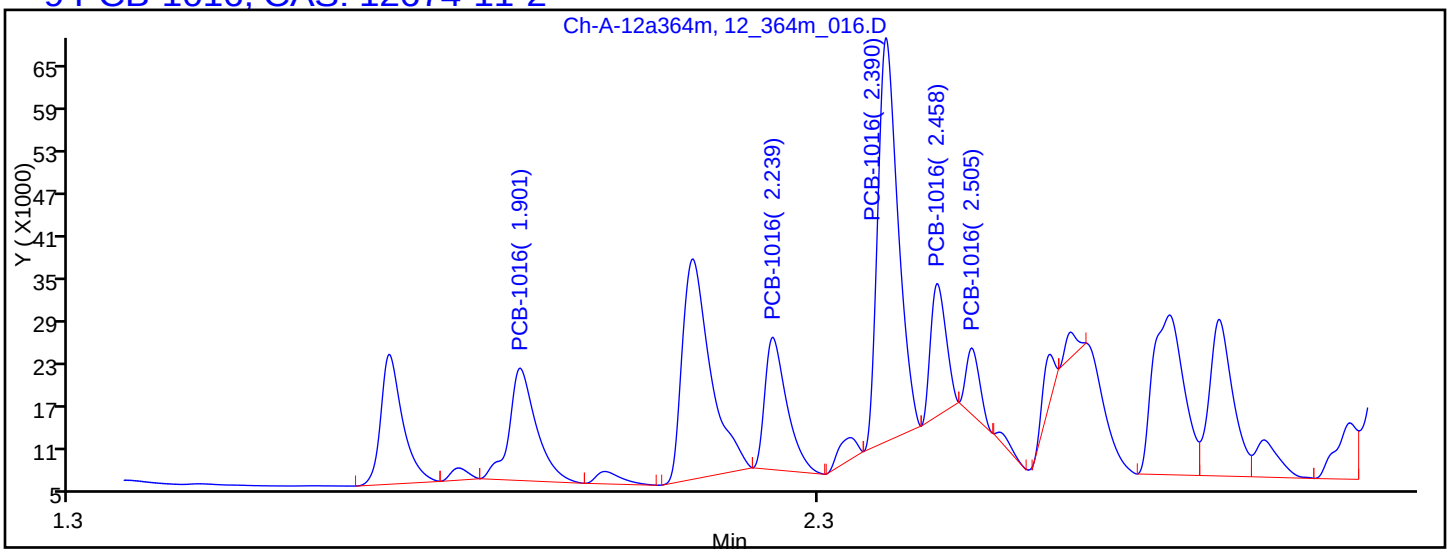
Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

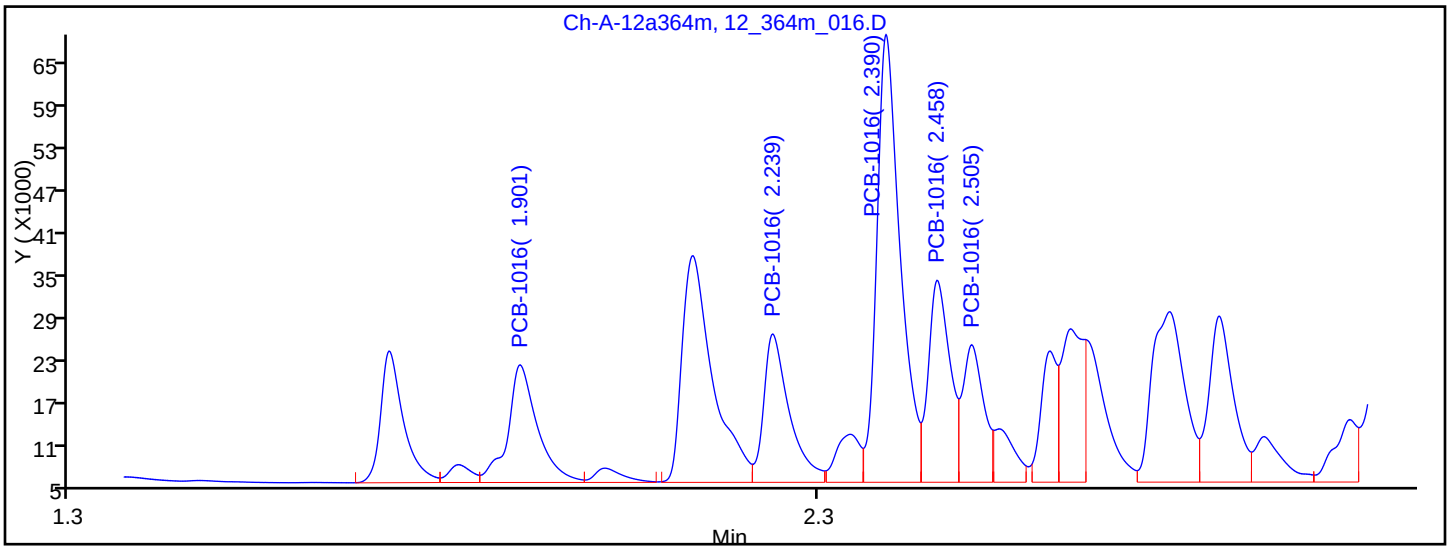
Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.901	Response = 40426	M
RT = 2.239	Response = 38444	M
RT = 2.390	Response = 108308	M
RT = 2.458	Response = 27141	M
RT = 2.505	Response = 11911	M



Manual Integration Results

RT = 1.901	Response = 46075	M
RT = 2.239	Response = 50421	M
RT = 2.390	Response = 138815	M
RT = 2.458	Response = 57534	M
RT = 2.505	Response = 37977	M

Reviewer: sobolk, 04-May-2016 17:58:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-May-2016 17:54:36 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:22 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:25:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1431303	0.5000	0.5000	
2	1.695	1.695	0.000	1139818	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	15329	0.005000	0.004671	
2	2.295	2.296	-0.001	9178	0.005000	0.004731	M
						RPD = 1.28	
9 PCB-1016							M
1	1.901	1.901	0.000	19723	0.2000	0.2156	M
1	2.239	2.239	0.000	21416	0.2000	0.2207	M
1	2.390	2.390	0.000	56465	0.2000	0.2070	M
1	2.459	2.458	0.001	24661	0.2000	0.2091	M
1	2.503	2.505	-0.002	15792	0.2000	0.2057	M
		Average of Peak Amounts =				0.2116	
2	2.713	2.713	0.000	12182	0.2000	0.2000	M
2	3.037	3.037	0.000	25425	0.2000	0.2111	M
2	3.251	3.251	0.000	13771	0.2000	0.2006	M
2	3.347	3.346	0.001	40779	0.2000	0.2012	M
2	3.471	3.470	0.001	17720	0.2000	0.2095	M
		Average of Peak Amounts =				0.2045	
						RPD = 3.43	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	55584	0.2000	0.2167	
1	4.150	4.150	0.000	31174	0.2000	0.2138	
1	4.329	4.329	0.000	27543	0.2000	0.2131	
1	4.521	4.522	-0.001	79841	0.2000	0.2032	
1	4.749	4.749	0.000	33928	0.2000	0.2019	
		Average of Peak Amounts =				0.2097	
2	5.237	5.239	-0.002	28184	0.2000	0.2001	M
2	5.562	5.563	-0.001	22711	0.2000	0.2065	
2	5.629	5.631	-0.002	17927	0.2000	0.1923	
2	5.695	5.695	0.000	62325	0.2000	0.1984	
2	6.087	6.089	-0.002	39058	0.2000	0.1873	
		Average of Peak Amounts =				0.1969	
						RPD = 6.29	
$ 15 DCB Decachlorobiphenyl							
1	5.724	5.725	-0.001	25037	0.005000	0.005111	
2	7.442	7.444	-0.002	18033	0.005000	0.004732	
						RPD = 7.71	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00003 Amount Added: 0.25 Units: mL

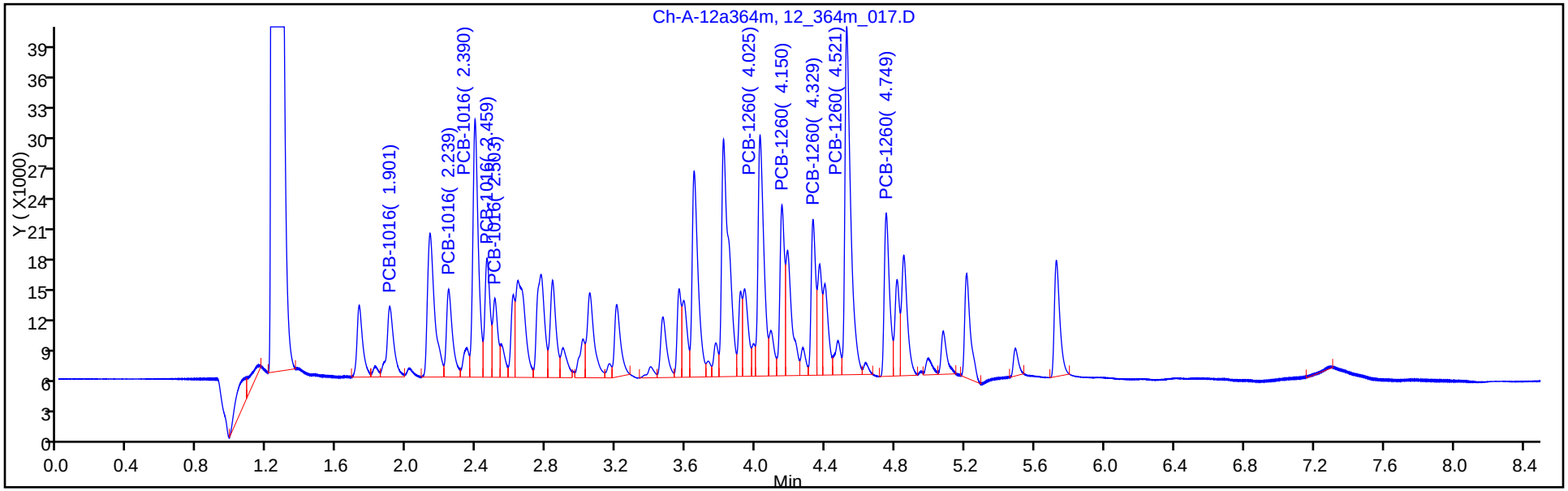
Report Date: 05-May-2016 16:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

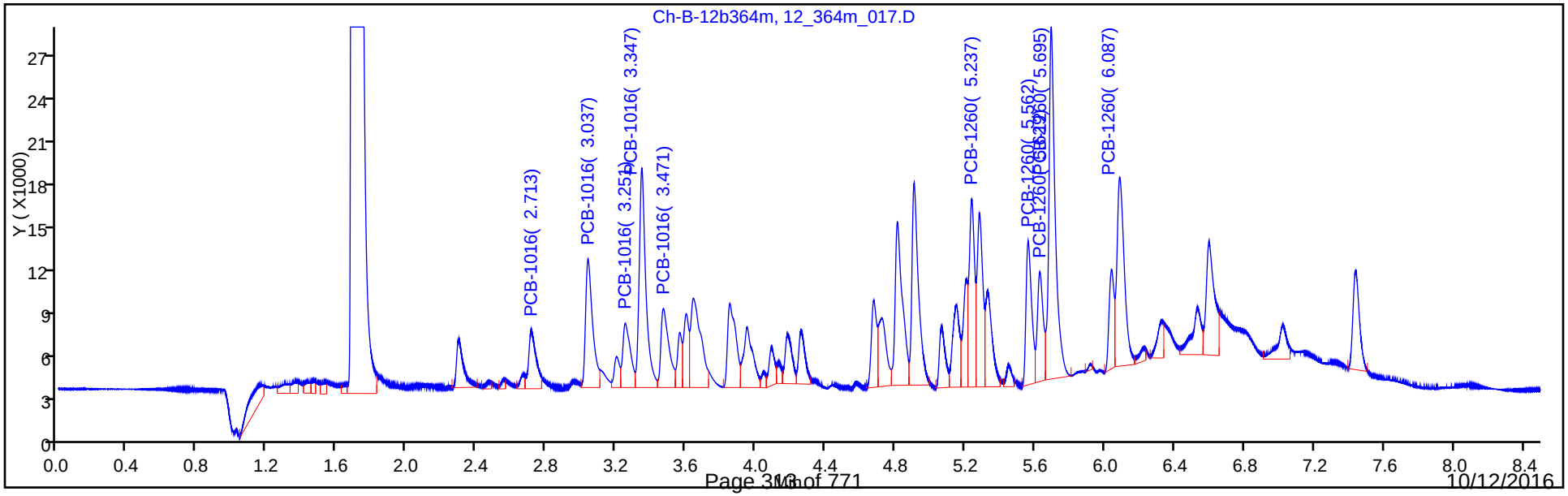
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



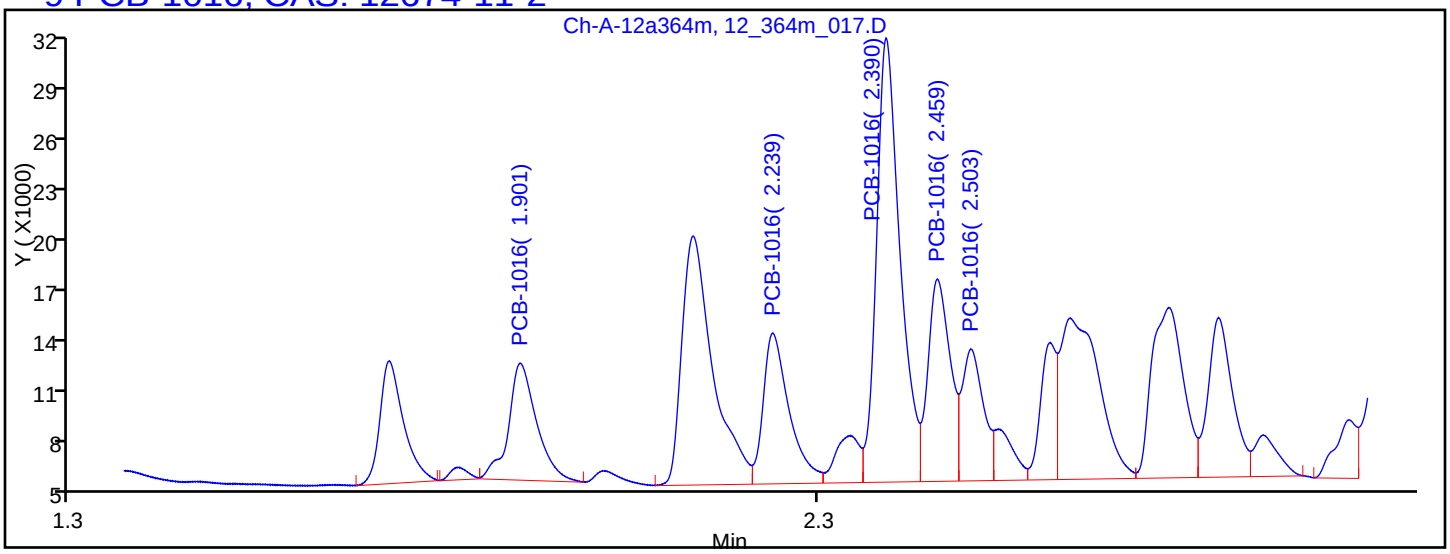
Report Date: 05-May-2016 16:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

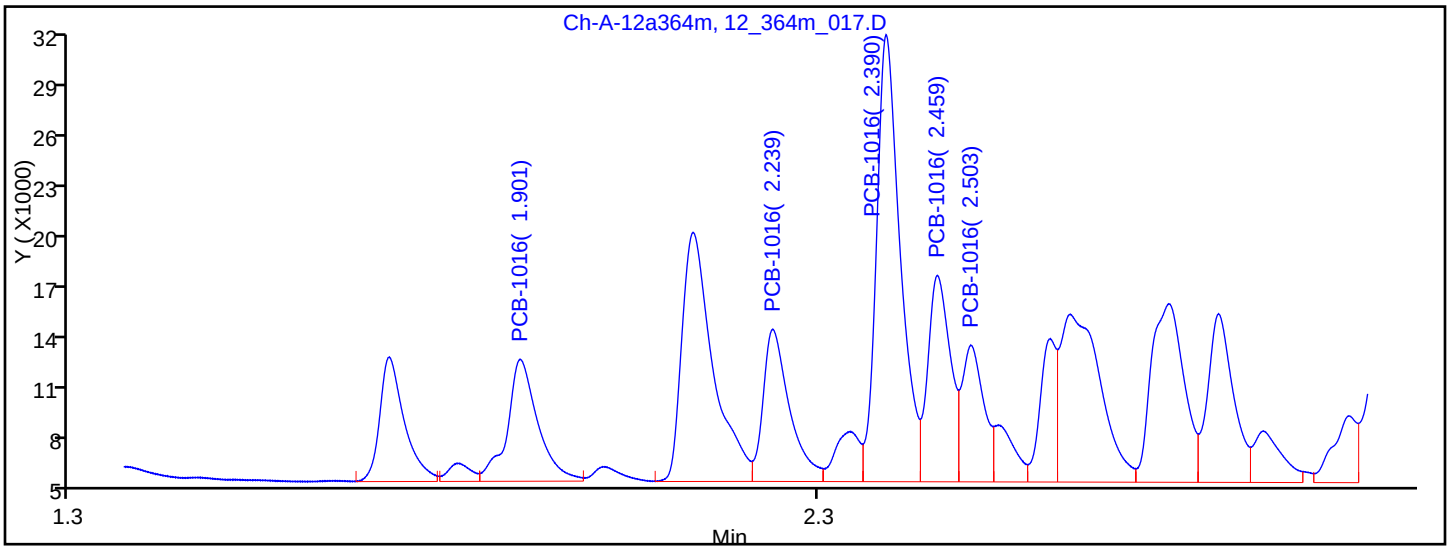
Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.901	Response = 17452	M
RT = 2.239	Response = 20792	M
RT = 2.390	Response = 55490	M
RT = 2.459	Response = 23865	M
RT = 2.503	Response = 14967	M



Manual Integration Results

RT = 1.901	Response = 19723	M
RT = 2.239	Response = 21416	M
RT = 2.390	Response = 56465	M
RT = 2.459	Response = 24661	M
RT = 2.503	Response = 15792	M

Reviewer: sobolk, 04-May-2016 18:25:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-May-2016 18:10:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:30 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:26:53

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1403968	0.5000	0.5000	
2	1.695	1.695	0.000	1114603	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	7983	0.002500	0.002480	
2	2.298	2.296	0.002	4699	0.002500	0.002477	M
						RPD = 0.11	
9 PCB-1016							M
1	1.902	1.901	0.001	8391	0.1000	0.0935	
1	2.239	2.239	0.000	9502	0.1000	0.0998	M
1	2.392	2.390	0.002	25919	0.1000	0.0969	M
1	2.459	2.458	0.001	11615	0.1000	0.1004	M
1	2.504	2.505	-0.001	8458	0.1000	0.1123	M
		Average of Peak Amounts =				0.1006	
2	2.712	2.713	-0.001	5974	0.1000	0.1003	M
2	3.039	3.037	0.002	12633	0.1000	0.1073	M
2	3.251	3.251	0.000	6961	0.1000	0.1037	M
2	3.348	3.346	0.002	20211	0.1000	0.1020	M
2	3.469	3.470	-0.001	8299	0.1000	0.1004	M
		Average of Peak Amounts =				0.1027	
						RPD = 2.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.026	4.025	0.001	26961	0.1000	0.1071	M
1	4.151	4.150	0.001	15860	0.1000	0.1109	M
1	4.329	4.329	0.000	13951	0.1000	0.1101	M
1	4.523	4.522	0.001	39901	0.1000	0.1035	M
1	4.750	4.749	0.001	16582	0.1000	0.1006	
		Average of Peak Amounts =				0.1064	
2	5.239	5.239	0.000	14033	0.1000	0.1019	M
2	5.563	5.563	0.000	11641	0.1000	0.1082	M
2	5.630	5.631	-0.001	9306	0.1000	0.1021	M
2	5.695	5.695	0.000	31672	0.1000	0.1031	M
2	6.089	6.089	0.000	19081	0.1000	0.0936	
		Average of Peak Amounts =				0.1018	
						RPD = 4.47	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	12184	0.002500	0.002536	
2	7.442	7.444	-0.002	9108	0.002500	0.002444	
						RPD = 3.68	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00004 Amount Added: 0.25 Units: mL

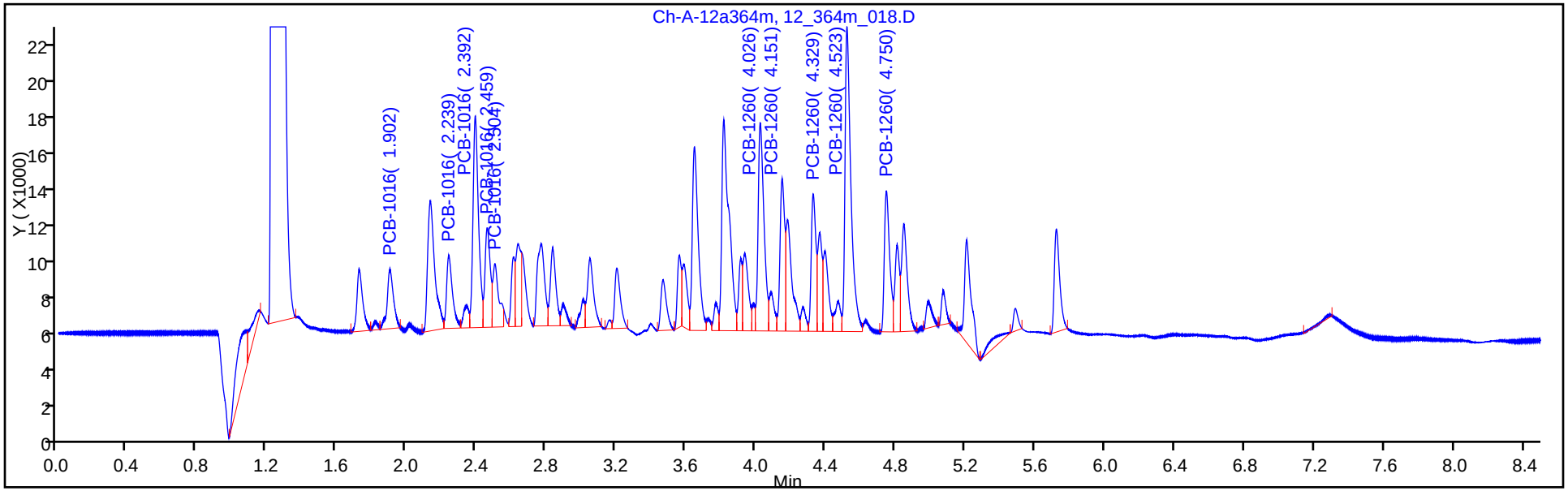
Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

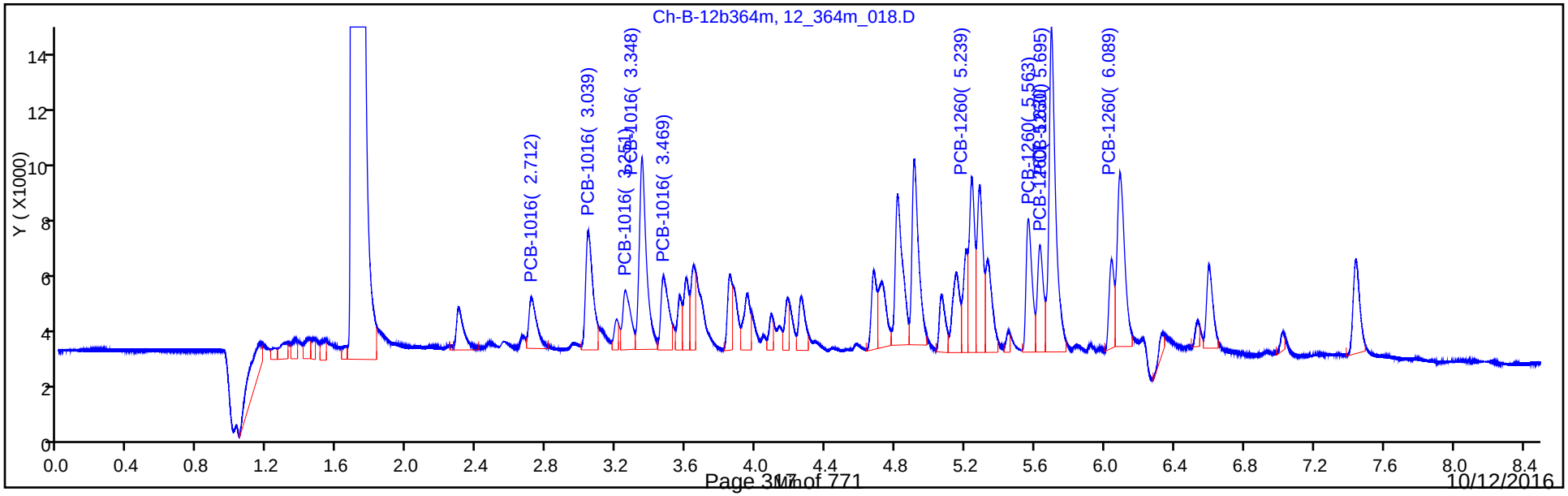
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



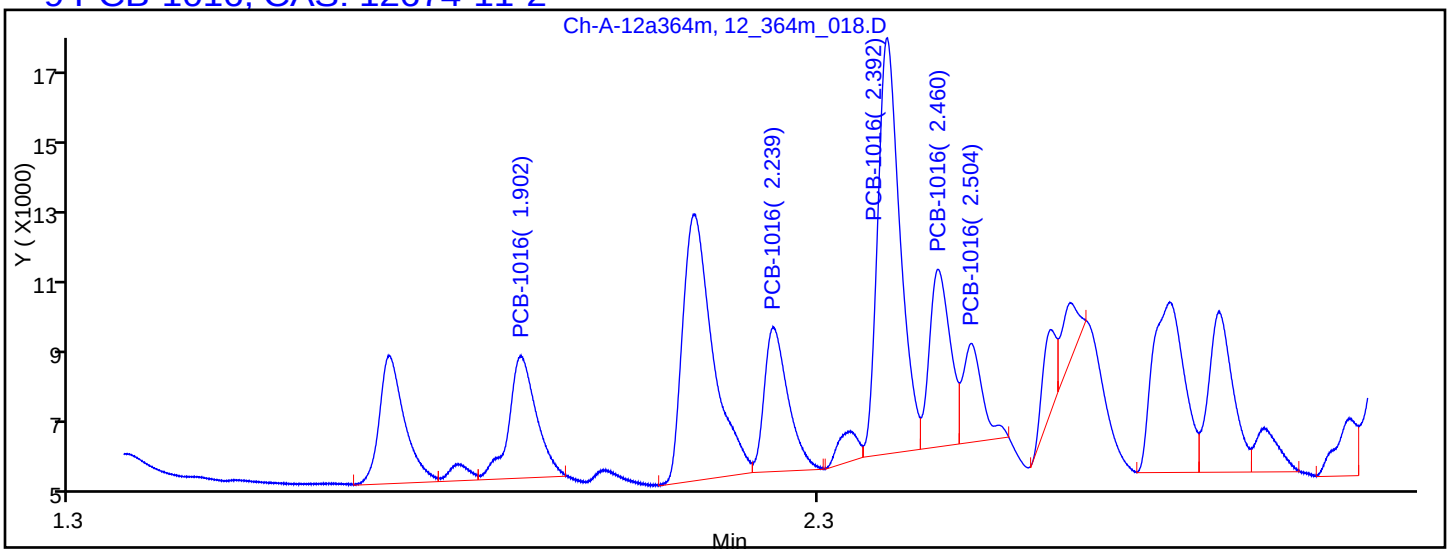
Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

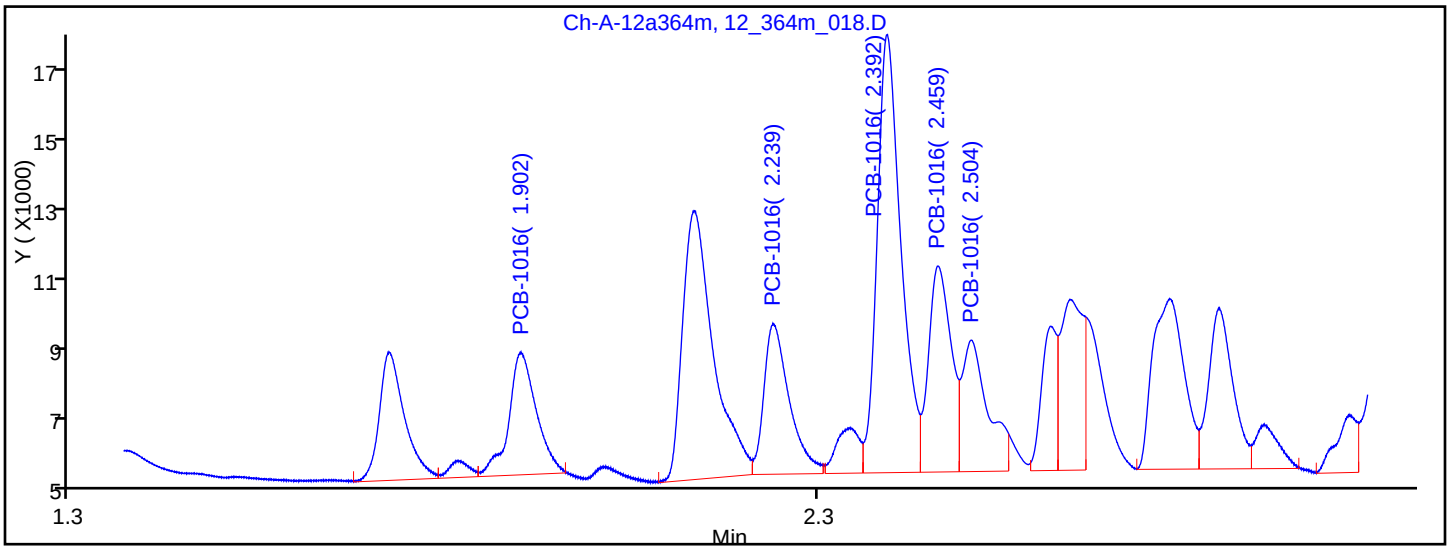
Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.902	Response = 8391	
RT = 2.239	Response = 8531	M
RT = 2.392	Response = 23136	M
RT = 2.460	Response = 9227	M
RT = 2.504	Response = 4844	M



Manual Integration Results

RT = 1.902	Response = 8391	
RT = 2.239	Response = 9502	M
RT = 2.392	Response = 25919	M
RT = 2.459	Response = 11615	M
RT = 2.504	Response = 8458	M

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

Injection Date: 04-May-2016 18:10:00 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

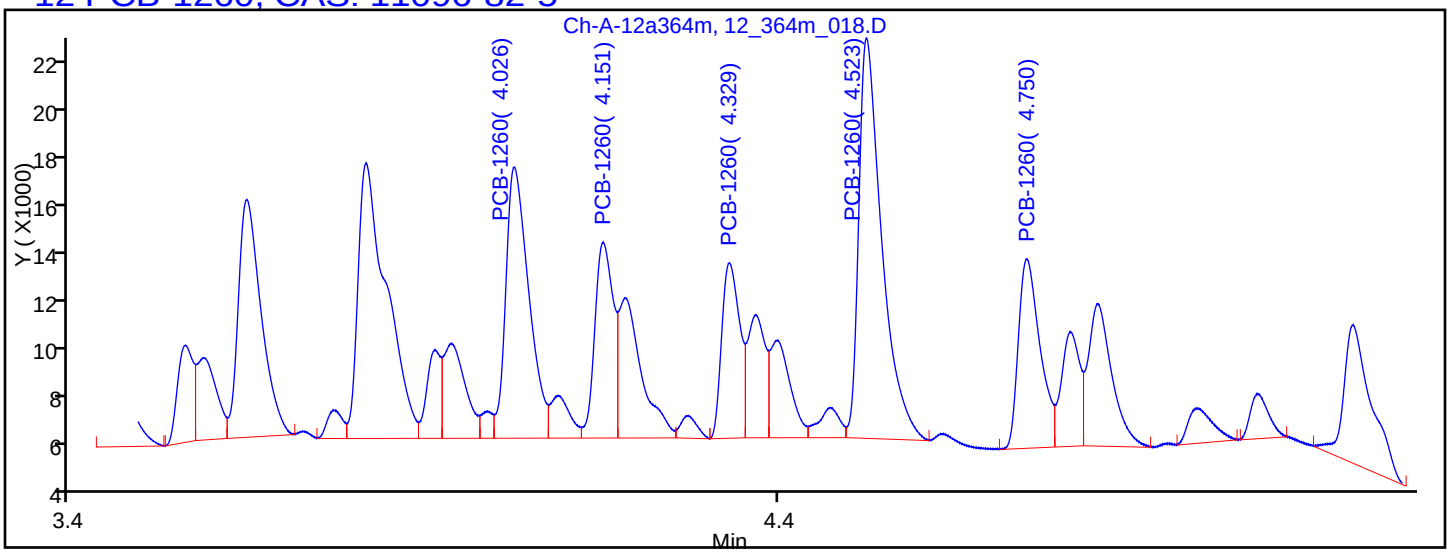
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

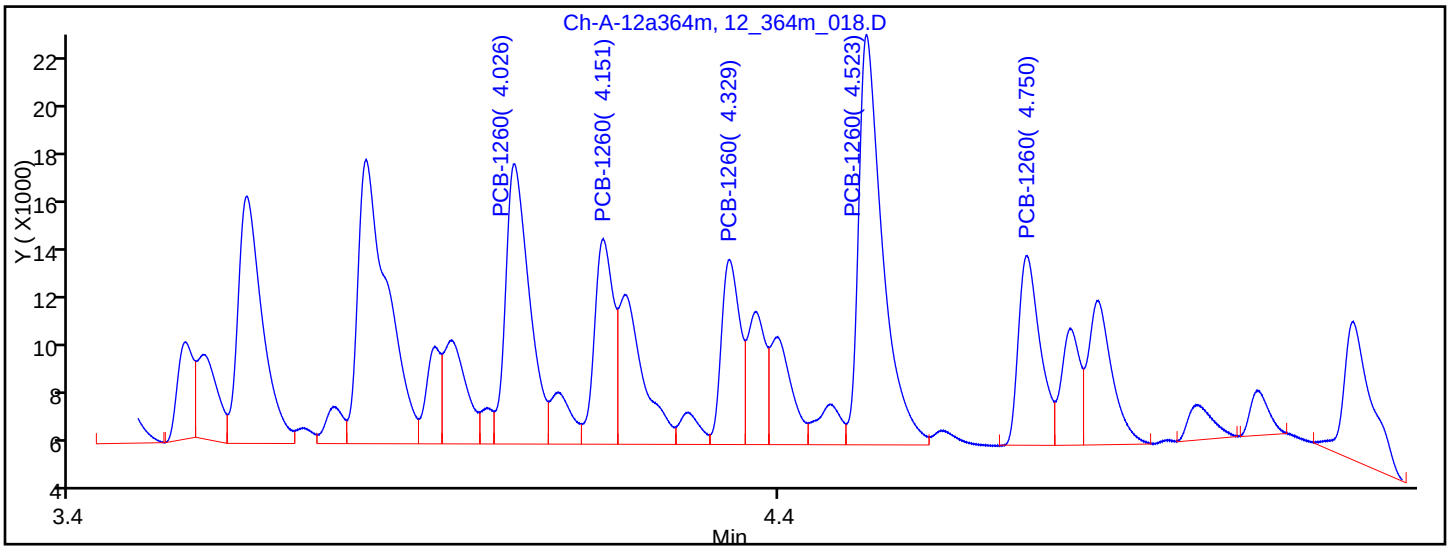
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.026	Response = 25234	M
RT = 4.151	Response = 14663	M
RT = 4.329	Response = 12778	M
RT = 4.523	Response = 37282	M
RT = 4.750	Response = 16582	



Manual Integration Results

RT = 4.026	Response = 26961	M
RT = 4.151	Response = 15860	M
RT = 4.329	Response = 13951	M
RT = 4.523	Response = 39901	M
RT = 4.750	Response = 16582	

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 18:25:21 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:09:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1444487	0.5000	0.5000	
2	1.694	1.695	-0.001	1150810	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	3828	0.001250	0.001156	M
2	2.297	2.296	0.001	2093	0.001250	0.001069	M
						RPD = 7.84	
9 PCB-1016							M
1	1.901	1.901	0.000	4054	0.0500	0.0439	
1	2.239	2.239	0.000	4683	0.0500	0.0478	M
1	2.391	2.390	0.001	13135	0.0500	0.0477	M
1	2.458	2.458	0.000	5641	0.0500	0.0474	M
1	2.505	2.505	0.000	3531	0.0500	0.0456	M
		Average of Peak Amounts =				0.0465	
2	2.714	2.713	0.001	2987	0.0500	0.0486	M
2	3.039	3.037	0.002	6161	0.0500	0.0507	M
2	3.252	3.251	0.001	3901	0.0500	0.0563	M
2	3.347	3.346	0.001	10102	0.0500	0.0494	M
2	3.469	3.470	-0.001	4478	0.0500	0.0524	M
		Average of Peak Amounts =				0.0515	
						RPD = 10.17	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	12728	0.0500	0.0492	M
1	4.150	4.150	0.000	7824	0.0500	0.0532	M
1	4.329	4.329	0.000	6669	0.0500	0.0511	
1	4.523	4.522	0.001	19046	0.0500	0.0480	
1	4.749	4.749	0.000	8438	0.0500	0.0497	
		Average of Peak Amounts =				0.0502	
2	5.241	5.239	0.002	7434	0.0500	0.0523	M
2	5.565	5.563	0.002	5580	0.0500	0.0503	
2	5.629	5.631	-0.002	4967	0.0500	0.0528	M
2	5.697	5.695	0.002	15993	0.0500	0.0504	M
2	6.087	6.089	-0.002	10636	0.0500	0.0505	M
		Average of Peak Amounts =				0.0513	
						RPD = 1.98	
$ 15 DCB Decachlorobiphenyl							M
1	5.724	5.725	-0.001	5974	0.001250	0.001208	
2	7.442	7.444	-0.002	5266	0.001250	0.001369	M
						RPD = 12.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00003 Amount Added: 0.25 Units: mL

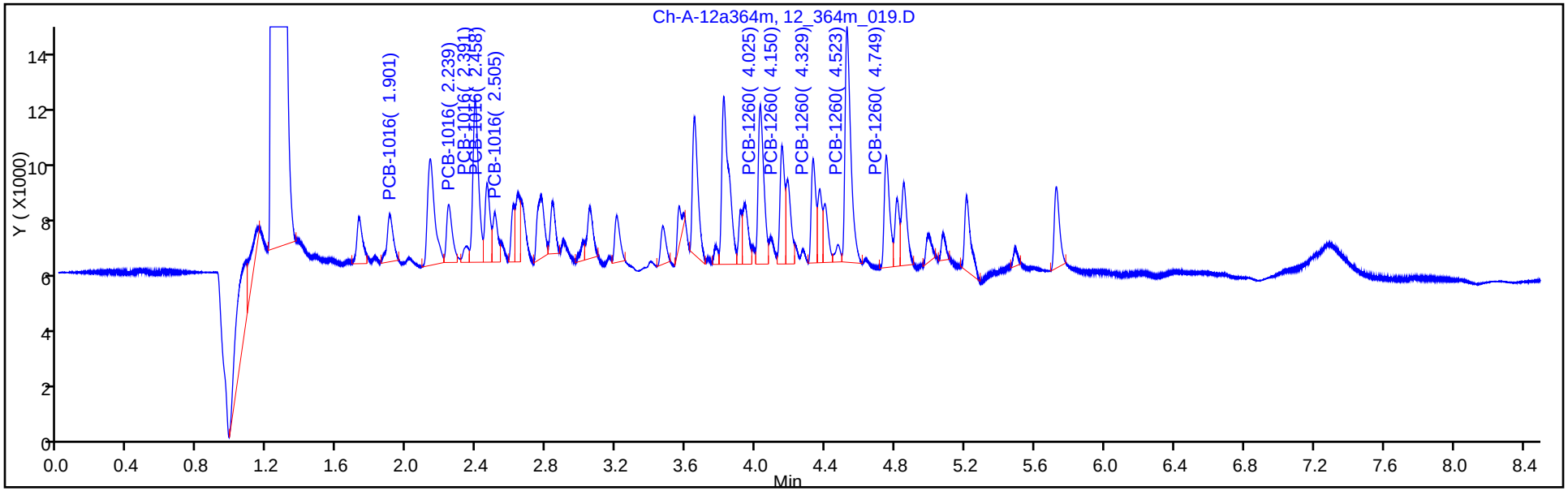
Report Date: 05-May-2016 16:32:43 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

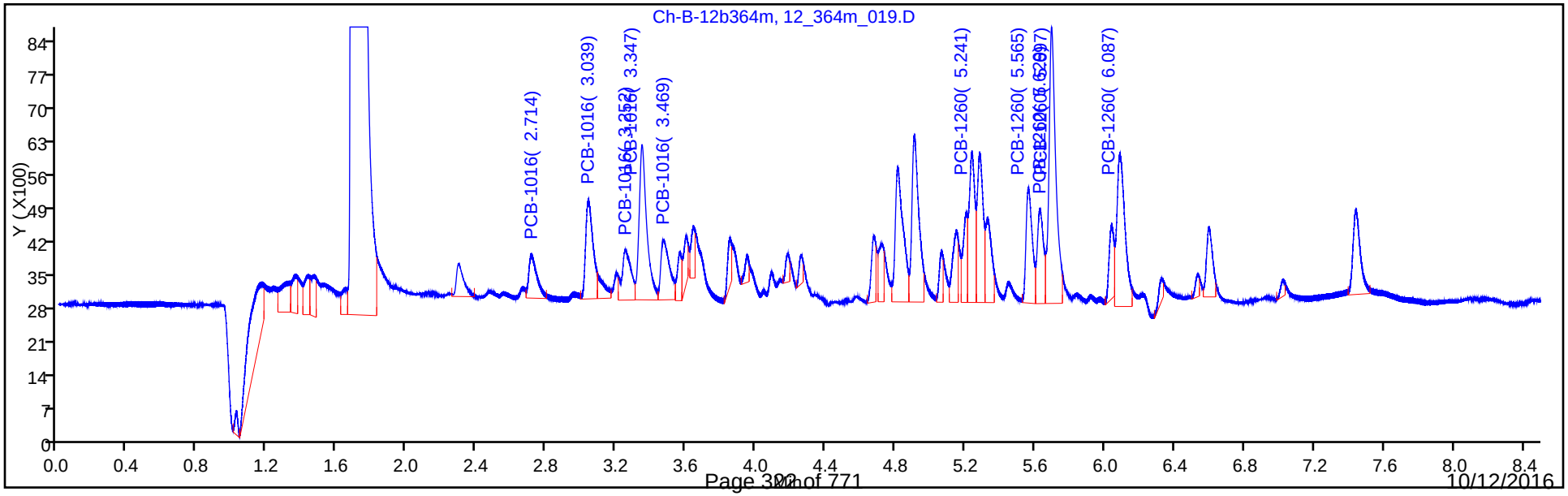
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

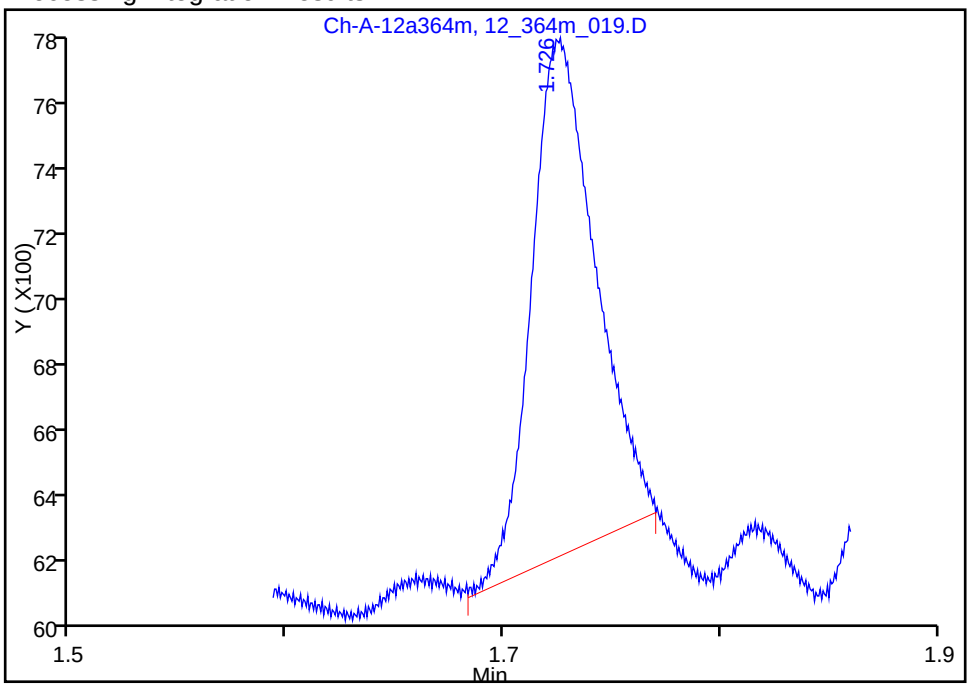
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Injection Date: 04-May-2016 18:25:21 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

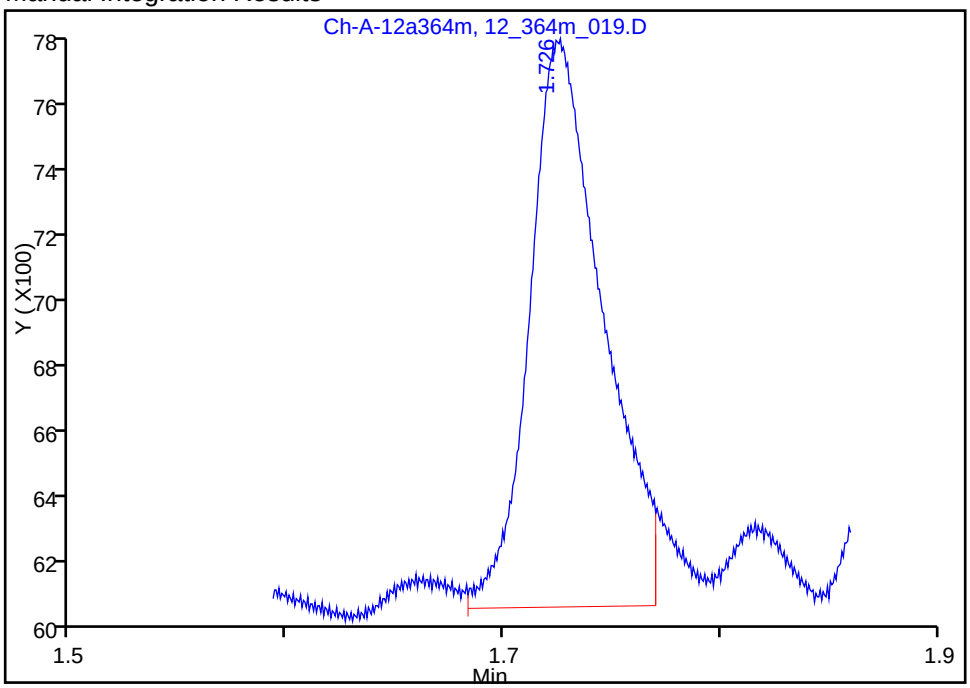
Processing Integration Results

RT: 1.73
Area: 3067
Amount: 0.000982
Amount Units: ng/uL



Manual Integration Results

RT: 1.73
Area: 3828
Amount: 0.001156
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:09:07
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

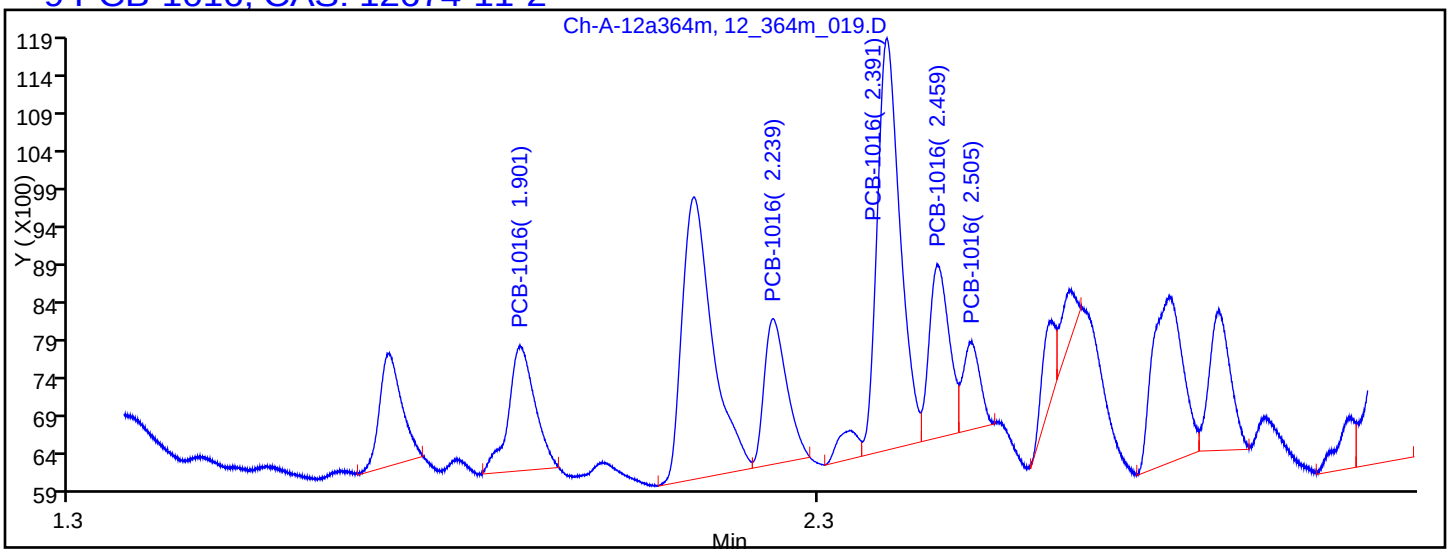
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

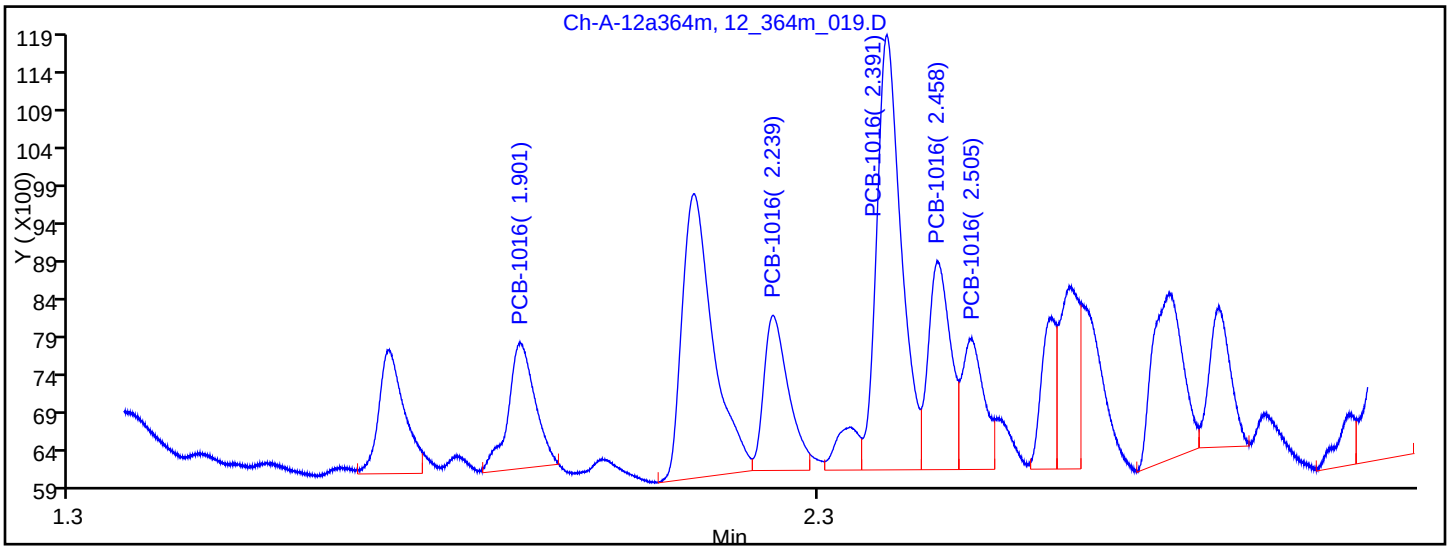
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 1.901	Response = 4054	
RT = 2.239	Response = 4021	M
RT = 2.391	Response = 11609	M
RT = 2.459	Response = 4230	M
RT = 2.505	Response = 1845	M



Manual Integration Results

RT = 1.901	Response = 4054	
RT = 2.239	Response = 4683	M
RT = 2.391	Response = 13135	M
RT = 2.458	Response = 5641	M
RT = 2.505	Response = 3531	M

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

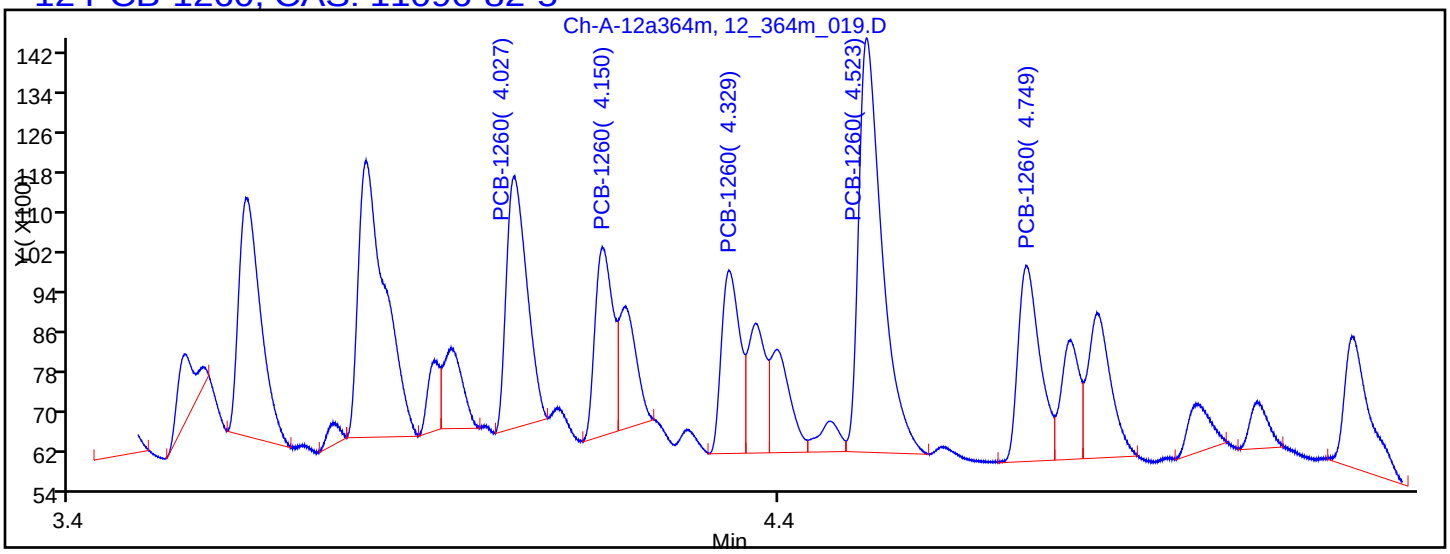
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

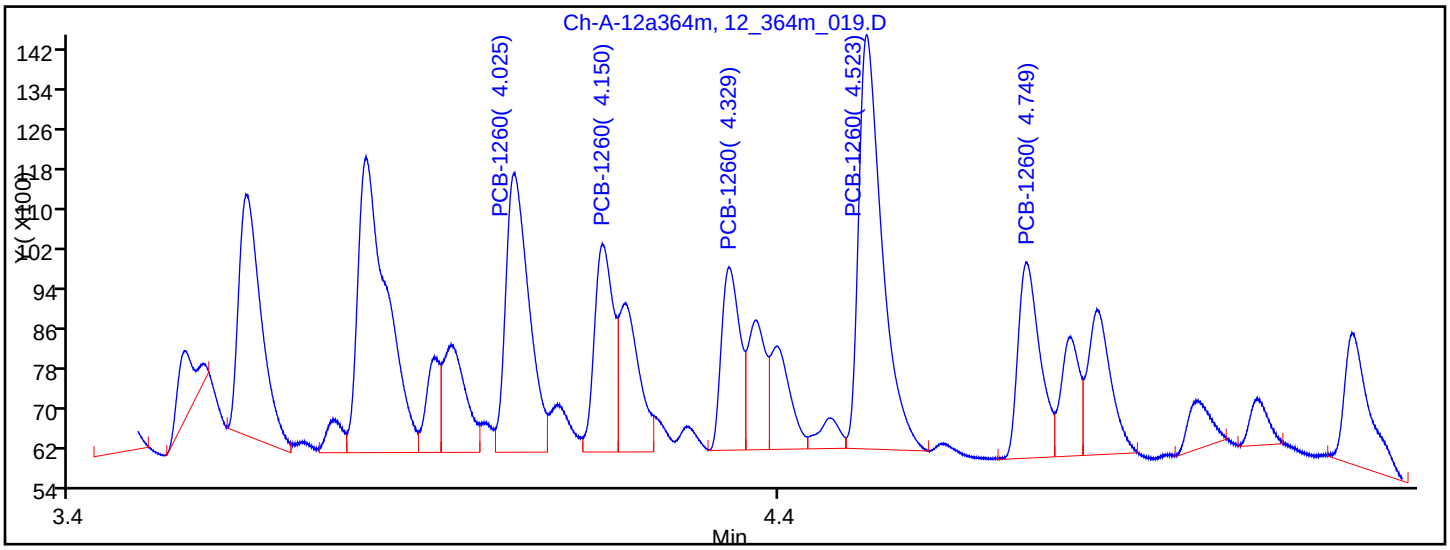
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.027	Response = 10146	M
RT = 4.150	Response = 6697	M
RT = 4.329	Response = 6669	
RT = 4.523	Response = 19046	
RT = 4.749	Response = 8438	



Manual Integration Results

RT = 4.025	Response = 12728	M
RT = 4.150	Response = 7824	M
RT = 4.329	Response = 6669	
RT = 4.523	Response = 19046	
RT = 4.749	Response = 8438	

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-May-2016 18:40:41 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:52 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:14:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1428091	0.5000	0.5000	
2	1.694	1.694	0.000	1134052	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.723	1.723	0.000	1897	0.000500	0.000579	M
2	2.295	2.295	0.000	982	0.000500	0.000509	M
						RPD = 12.97	
9 PCB-1016							M
1	1.901	1.901	0.000	2089	0.0200	0.0229	M
1	2.239	2.239	0.000	1688	0.0200	0.0174	M
1	2.391	2.391	0.000	5179	0.0200	0.0190	M
1	2.459	2.459	0.000	2510	0.0200	0.0213	M
1	2.501	2.501	0.000	1267	0.0200	0.0165	M
		Average of Peak Amounts =				0.0194	
2	2.714	2.714	0.000	1423	0.0200	0.0235	M
2	3.038	3.038	0.000	2571	0.0200	0.0215	M
2	3.250	3.250	0.000	1268	0.0200	0.0186	M
2	3.347	3.347	0.000	3969	0.0200	0.0197	M
2	3.469	3.469	0.000	1512	0.0200	0.0180	M
		Average of Peak Amounts =				0.0202	
						RPD = 3.96	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	4236	0.0200	0.0165	
1	4.150	4.150	0.000	2994	0.0200	0.0206	M
1	4.329	4.329	0.000	2255	0.0200	0.0175	
1	4.522	4.522	0.000	8227	0.0200	0.0210	M
1	4.749	4.749	0.000	3419	0.0200	0.0204	
		Average of Peak Amounts =				0.0192	
2	5.241	5.241	0.000	2930	0.0200	0.0209	M
2	5.564	5.564	0.000	1824	0.0200	0.0167	M
2	5.627	5.627	0.000	2016	0.0200	0.0217	M
2	5.696	5.696	0.000	5952	0.0200	0.0190	M
2	6.089	6.089	0.000	4661	0.0200	0.0225	M
		Average of Peak Amounts =				0.0202	
						RPD = 4.92	
$ 15 DCB Decachlorobiphenyl							M
1	5.723	5.723	0.000	2654	0.000500	0.000543	M
2	7.437	7.437	0.000	1904	0.000500	0.000502	M
						RPD = 7.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00003 Amount Added: 0.25 Units: mL

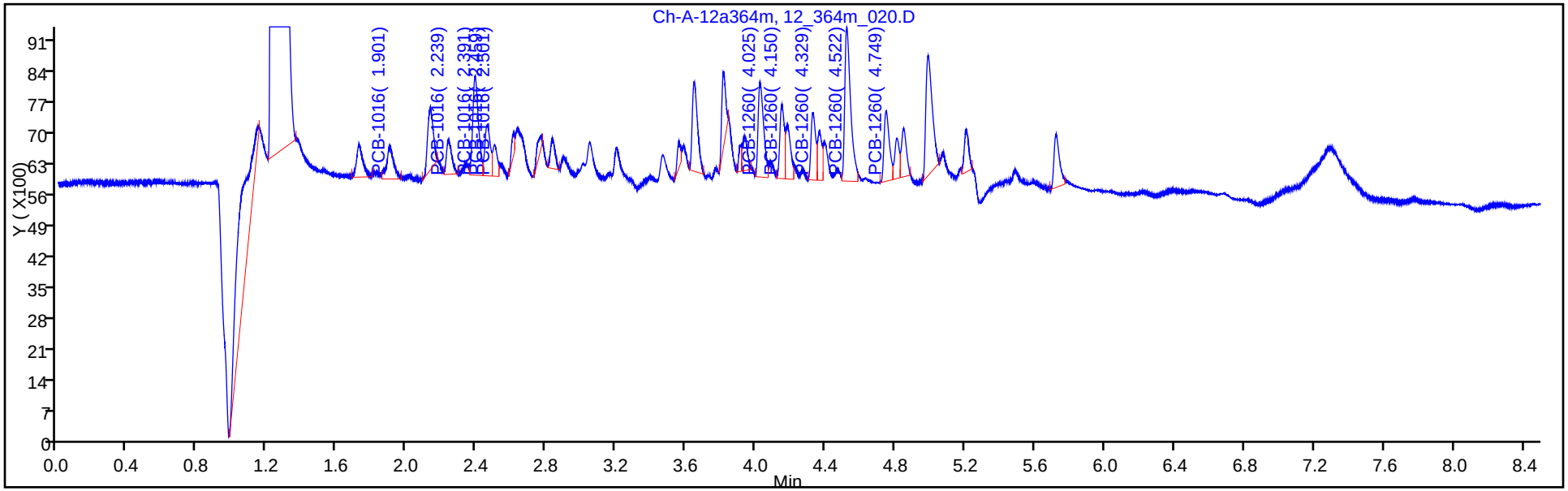
Report Date: 05-May-2016 16:32:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

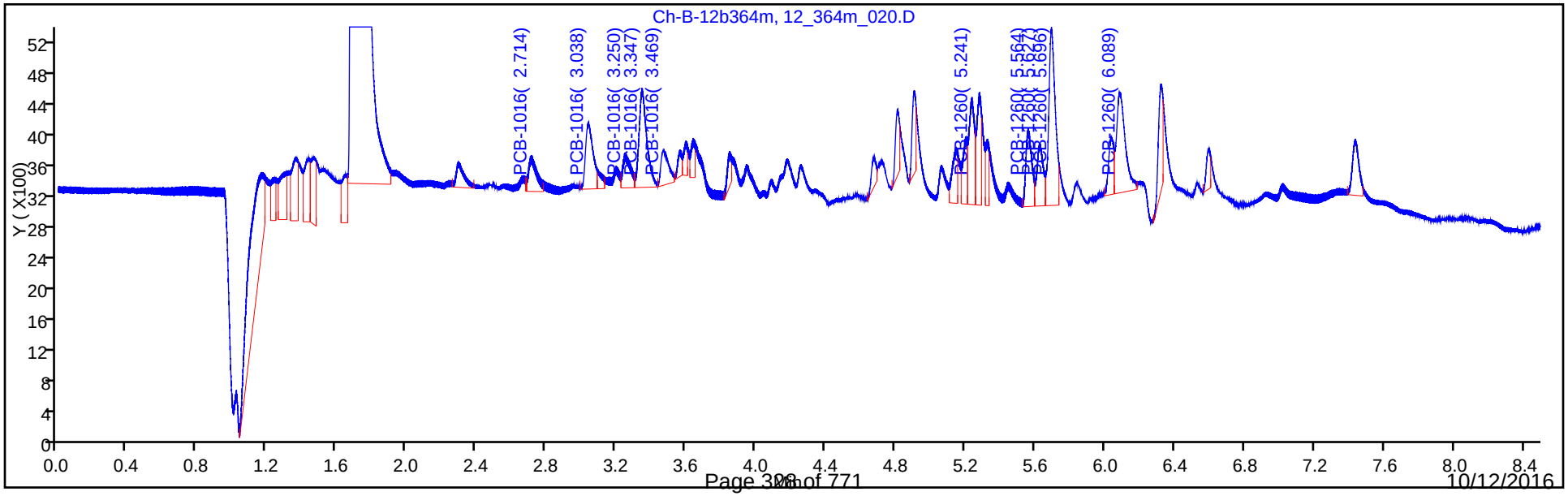
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date:	04-May-2016 18:40:41	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

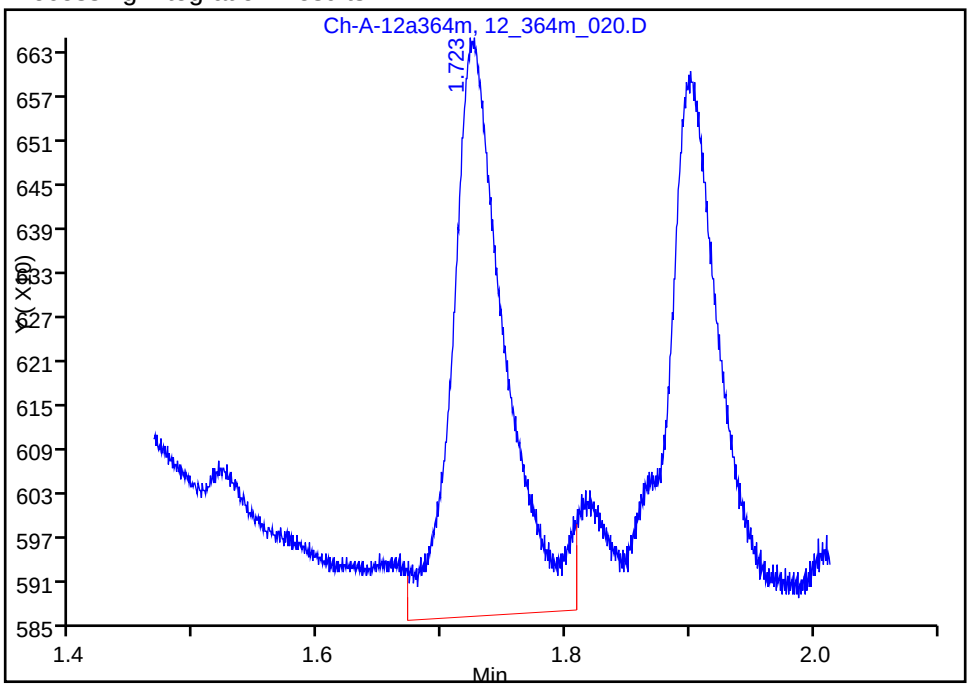
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

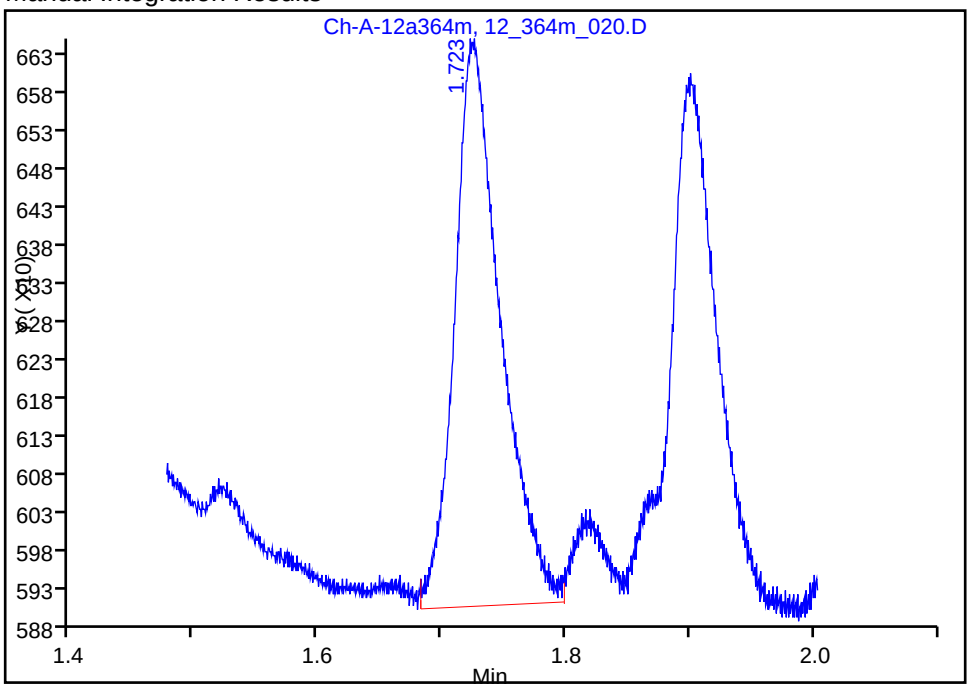
Processing Integration Results

RT: 1.72
Area: 2296
Amount: 0.000678
Amount Units: ng/uL



Manual Integration Results

RT: 1.72
Area: 1897
Amount: 0.000579
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:14:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

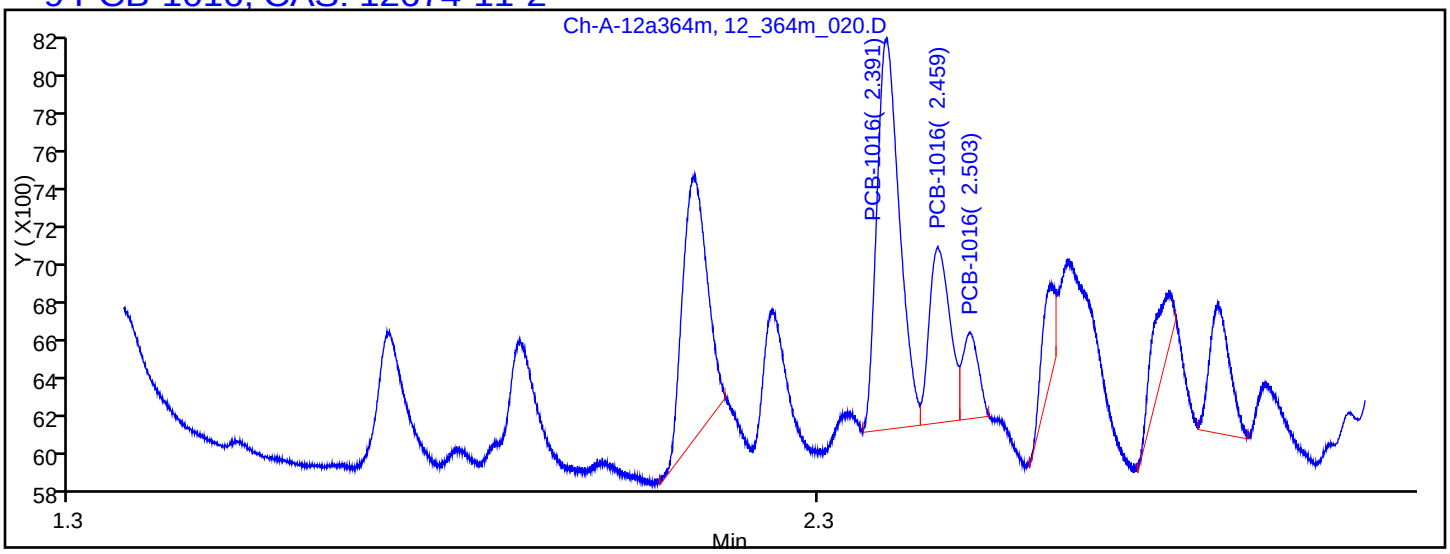
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

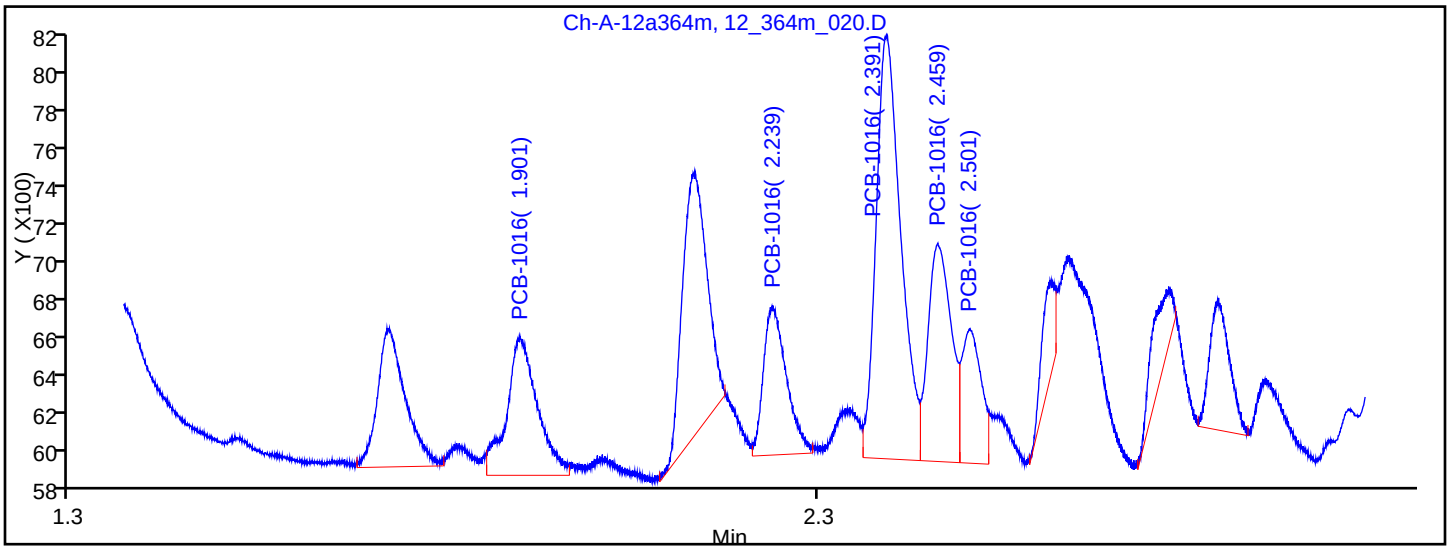
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 0.000	Response = 0	M
RT = 2.391	Response = 4361	M
RT = 2.459	Response = 1802	M
RT = 2.503	Response = 671	M



Manual Integration Results

RT = 1.901	Response = 2089	M
RT = 2.239	Response = 1688	M
RT = 2.391	Response = 5179	M
RT = 2.459	Response = 2510	M
RT = 2.501	Response = 1267	M

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Incomplete Integration

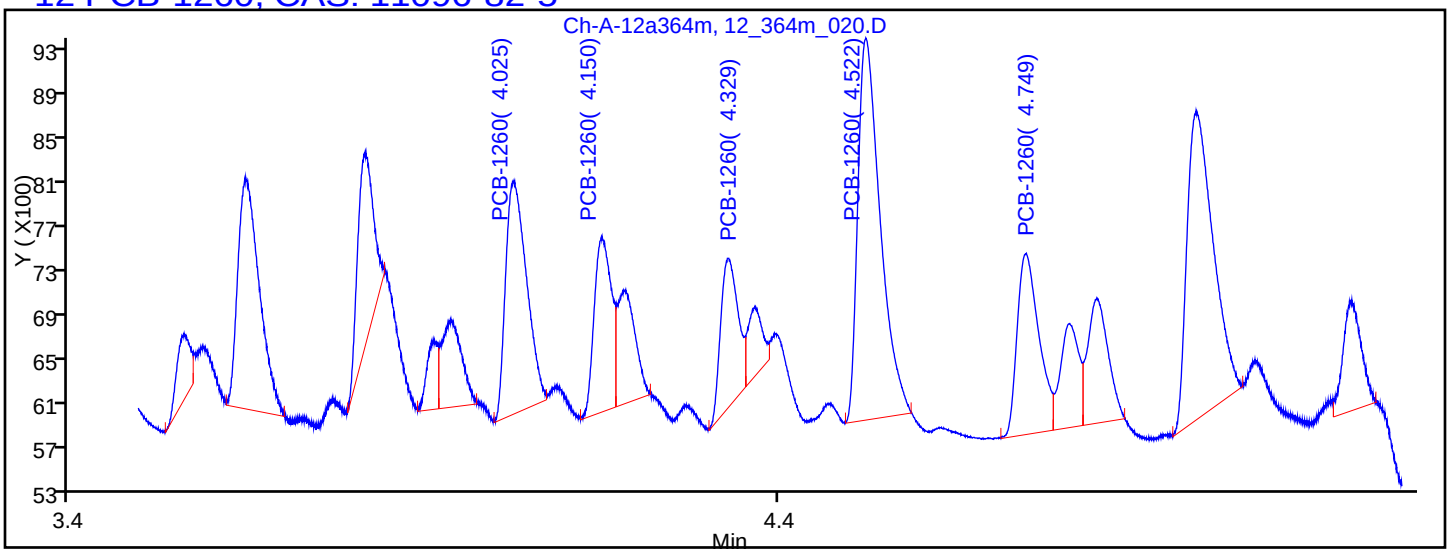
Report Date: 05-May-2016 16:32:52 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

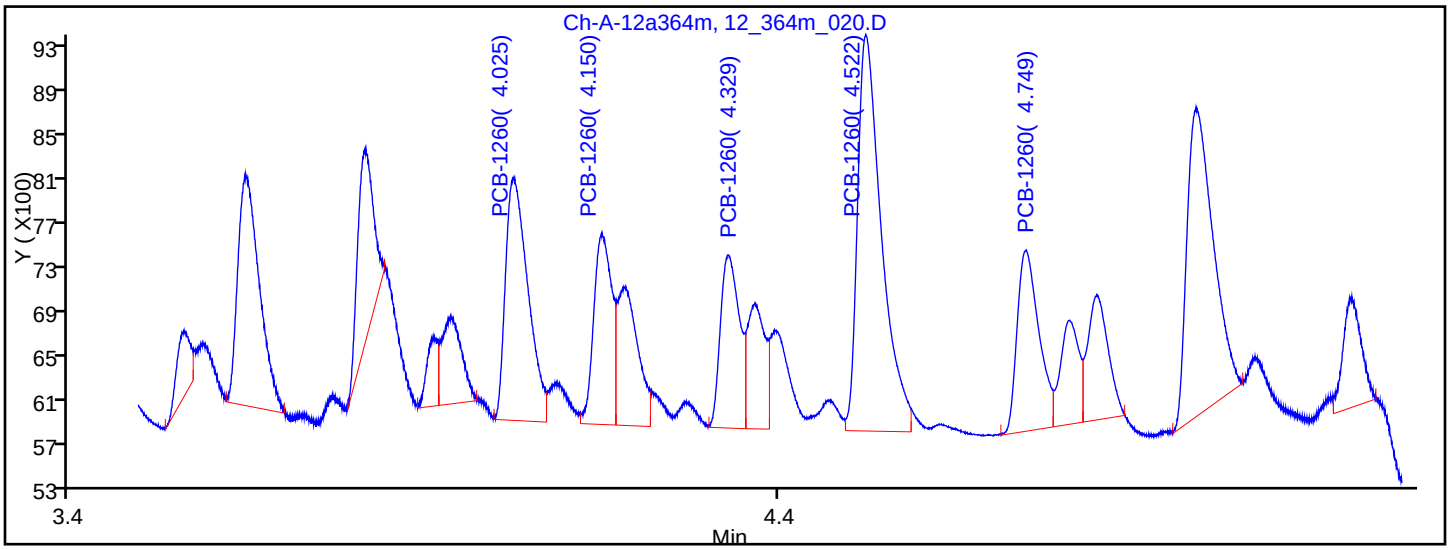
Injection Date:	04-May-2016 18:40:41	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.025	Response = 4236	
RT = 4.150	Response = 2617	M
RT = 4.329	Response = 2255	
RT = 4.522	Response = 7424	M
RT = 4.749	Response = 3419	



Manual Integration Results

RT = 4.025	Response = 4236	
RT = 4.150	Response = 2994	M
RT = 4.329	Response = 2255	
RT = 4.522	Response = 8227	M
RT = 4.749	Response = 3419	

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

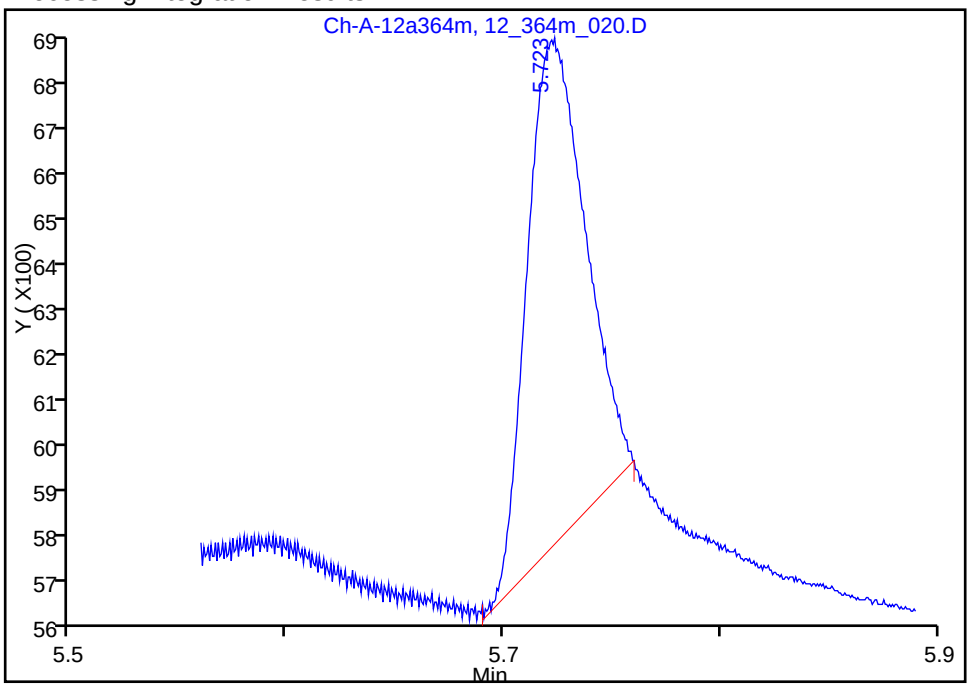
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

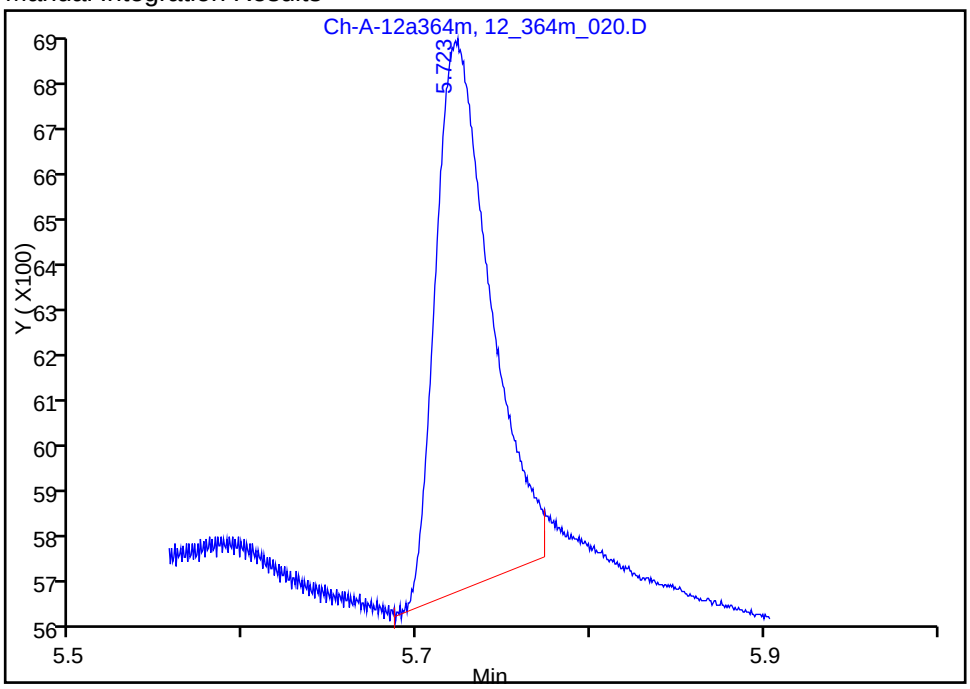
Processing Integration Results

RT: 5.72
Area: 2081
Amount: 0.000441
Amount Units: ng/uL



Manual Integration Results

RT: 5.72
Area: 2654
Amount: 0.000543
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:14:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27387

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0314 0.0263	0.0260 0.0234	0.0268	0.0267	0.0265	Ave		0.0267				8.8		20.0			
PCB-1016 Peak 2	0.0567 0.0495	0.0535 0.0454	0.0567	0.0558	0.0523	Ave		0.0528				7.9		20.0			
PCB-1016 Peak 3	0.0280 0.0297	0.0339 0.0281	0.0312	0.0302	0.0297	Ave		0.0301				6.7		20.0			
PCB-1016 Peak 4	0.0875 0.0914	0.0878 0.0865	0.0907	0.0894	0.0892	Ave		0.0889				2.0		20.0			
PCB-1016 Peak 5	0.0333 0.0377	0.0389 0.0357	0.0372	0.0389	0.0379	Ave		0.0371				5.3		20.0			
PCB-1260 Peak 1	0.0646 0.0598	0.0646 0.0574	0.0630	0.0618	0.0613	Ave		0.0618				4.2		20.0			
PCB-1260 Peak 2	0.0402 0.0492	0.0485 0.0474	0.0522	0.0498	0.0504	Ave		0.0482				8.0		20.0			
PCB-1260 Peak 3	0.0444 0.0394	0.0432 0.0379	0.0417	0.0393	0.0402	Ave		0.0409				5.7		20.0			
PCB-1260 Peak 4	0.1312 0.1396	0.1390 0.1345	0.1421	0.1367	0.1415	Ave		0.1378				2.8		20.0			
PCB-1260 Peak 5	0.1028 0.0918	0.0924 0.0902	0.0856	0.0857	0.0919	Ave		0.0915				6.3		20.0			
Tetrachloro-m-xylene	0.8659 0.8937	0.7275 0.9848	0.8432	0.8052	0.8366	Ave		0.8510				9.3		20.0			
DCB Decachlorobiphenyl	1.6789 1.6669	1.8304 1.6058	1.6343	1.5821	1.7039	Ave		1.6718				4.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 17:08 Calibration End Date: 05/04/2016 18:40 Calibration ID: 27387

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/8	12_364m_020.D
Level 2	IC 480-299978/7	12_364m_019.D
Level 3	IC 480-299978/6	12_364m_018.D
Level 4	IC 480-299978/5	12_364m_017.D
Level 5	ICIS 480-299978/4	12_364m_016.D
Level 6	IC 480-299978/3	12_364m_015.D
Level 7	IC 480-299978/2	12_364m_014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1423 58754	2987 105556	5974	12182	29526	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	2571 110607	6161 204615	12633	25425	58190	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	1268 66325	3901 126930	6961	13771	33081	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	3969 204294	10102 390116	20211	40779	99224	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	1512 84305	4478 161066	8299	17720	42168	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	2930 133694	7434 258645	14033	28184	68244	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	1824 110021	5580 213607	11641	22711	56030	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	2016 88091	4967 170965	9306	17927	44769	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	5952 311959	15993 606591	31672	62325	157424	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	4661 205276	10636 406580	19081	39058	102229	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	982 49939	2093 111019	4699	9178	23268	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	1904 93150	5266 181020	9108	18033	47392	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-May-2016 17:08:32 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:02 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:30:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.238	1.237	0.001	1430299	0.5000	0.5000	
2	1.695	1.694	0.001	1127308	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.723	0.002	170472	0.0500	0.0520	a
2	2.294	2.296	-0.002	111019	0.0500	0.0579	M
						RPD = 10.71	
9 PCB-1016							M
1	1.899	1.898	0.001	169825	2.00	1.86	a
1	2.237	2.237	0.000	191217	2.00	1.97	a
1	2.389	2.390	-0.001	541753	2.00	1.99	a
1	2.457	2.460	-0.003	222347	2.00	1.89	a
1	2.504	2.500	0.004	160011	2.00	2.09	a
		Average of Peak Amounts =				1.96	
2	2.709	2.709	0.000	105556	2.00	1.75	M
2	3.033	3.039	-0.006	204615	2.00	1.72	M
2	3.249	3.248	0.001	126930	2.00	1.87	M
2	3.345	3.348	-0.003	390116	2.00	1.95	M
2	3.467	3.470	-0.003	161066	2.00	1.93	M
		Average of Peak Amounts =				1.84	
						RPD = 6.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	480226	2.00	1.87	a
1	4.149	4.148	0.001	244941	2.00	1.68	a
1	4.327	4.328	-0.001	240358	2.00	1.86	a
1	4.521	4.520	0.001	745098	2.00	1.90	a
1	4.748	4.747	0.001	328390	2.00	1.96	a
		Average of Peak Amounts =				1.85	
2	5.237	5.237	0.000	258645	2.00	1.86	a
2	5.560	5.563	-0.003	213607	2.00	1.96	a
2	5.627	5.629	-0.002	170965	2.00	1.85	a
2	5.693	5.695	-0.002	606591	2.00	1.95	a
2	6.086	6.086	0.000	406580	2.00	1.97	a
		Average of Peak Amounts =				1.92	
						RPD = 3.51	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.721	0.004	223860	0.0500	0.0457	a
2	7.442	7.439	0.003	181020	0.0500	0.0480	a
						RPD = 4.90	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00003 Amount Added: 0.25 Units: mL

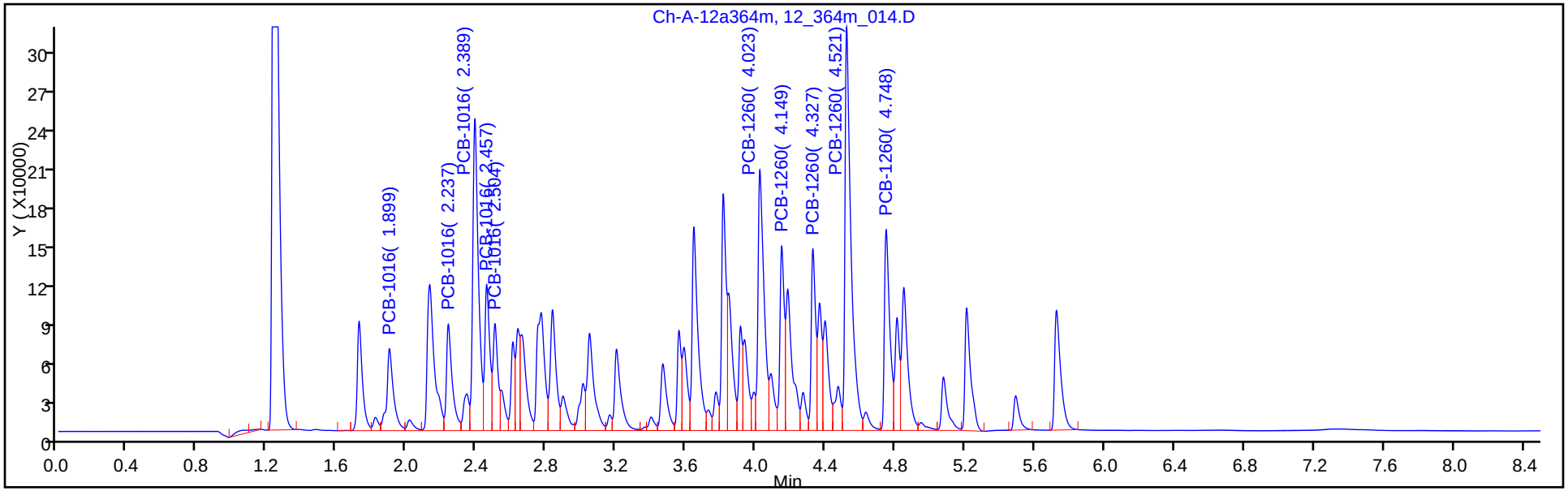
Report Date: 05-May-2016 16:32:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

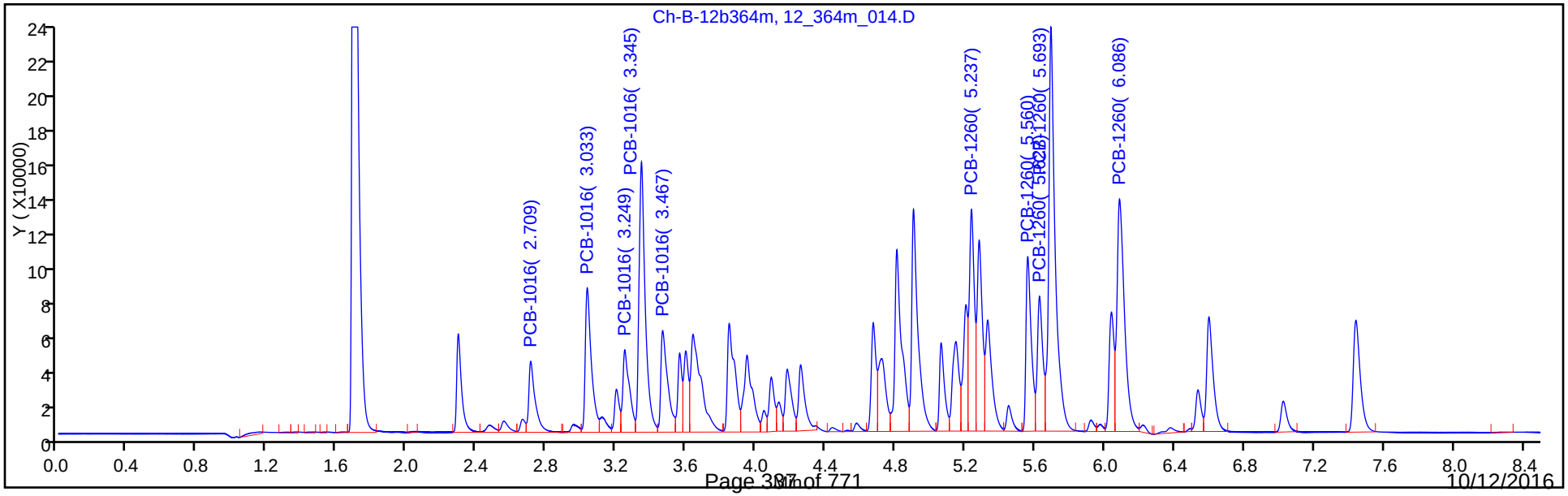
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D

Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

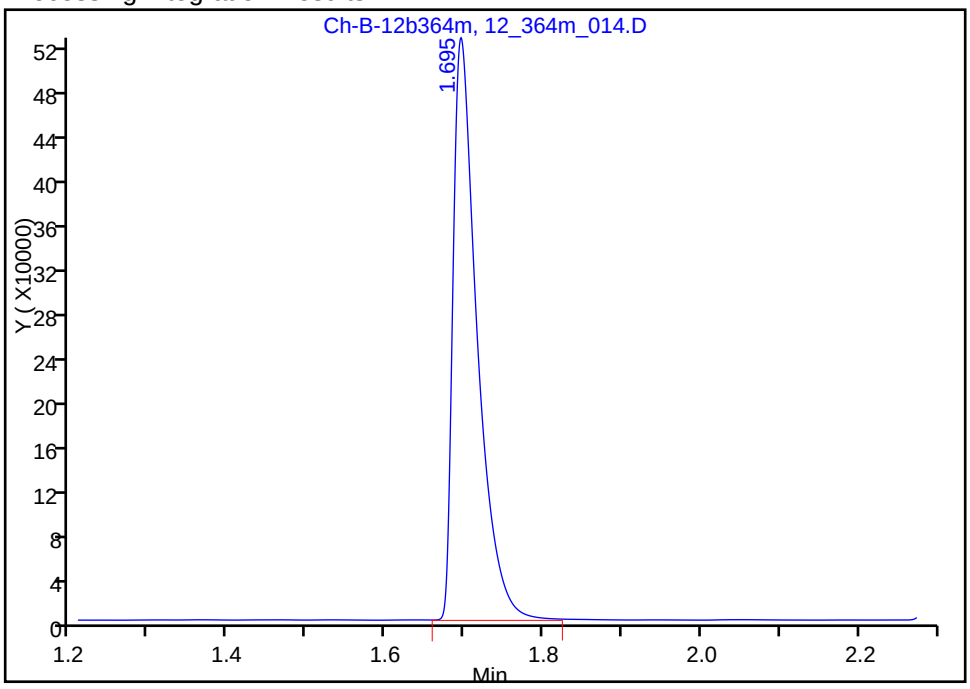
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D				
Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

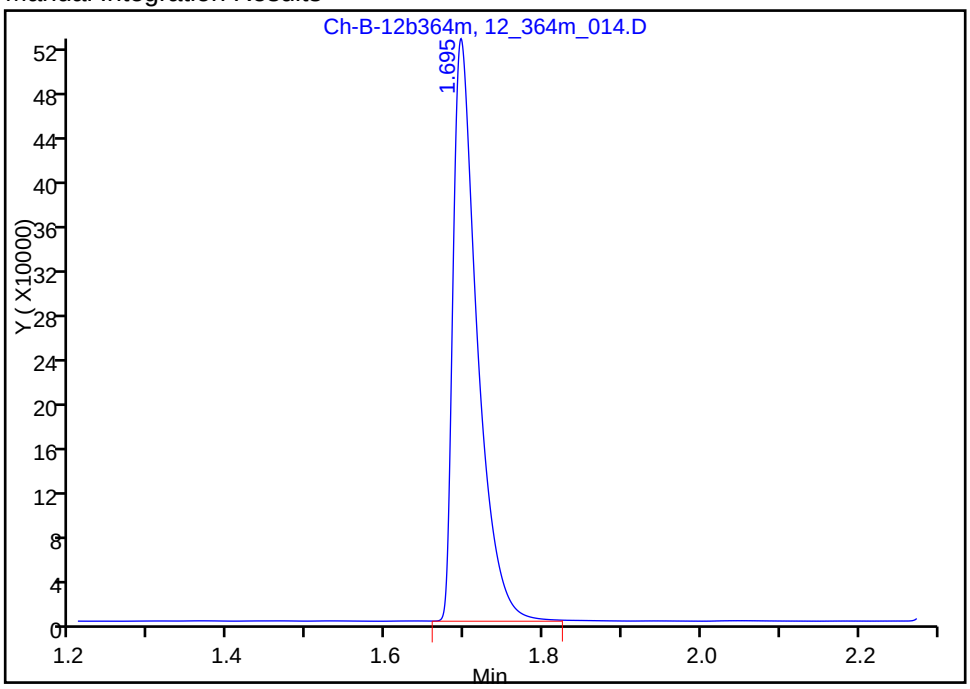
Processing Integration Results

RT: 1.70
Area: 1129059
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.70
Area: 1127308
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:24:15

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

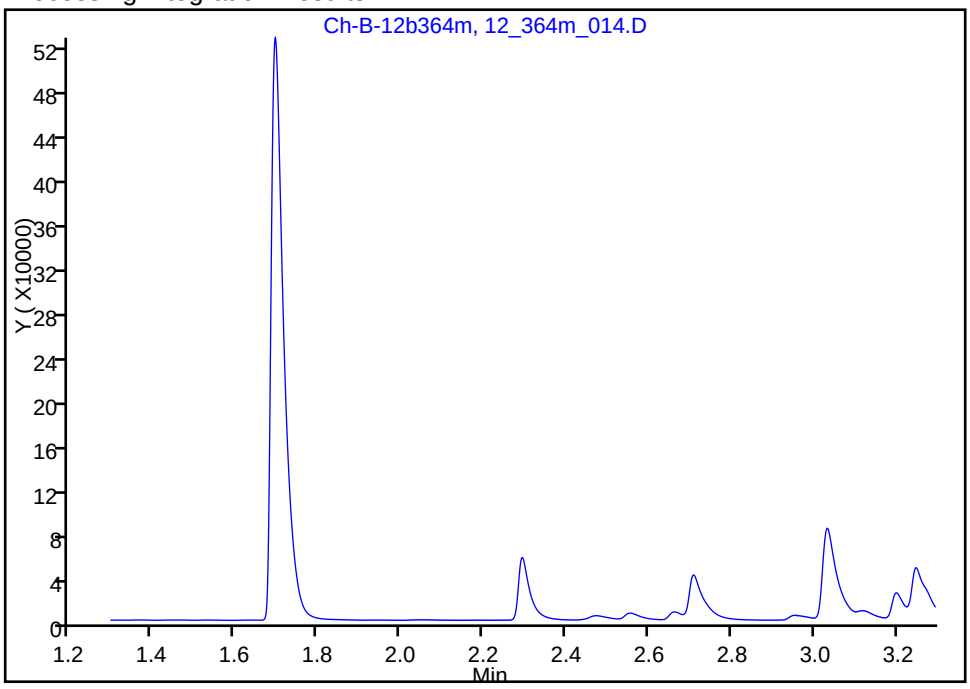
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Injection Date: 04-May-2016 17:08:32 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

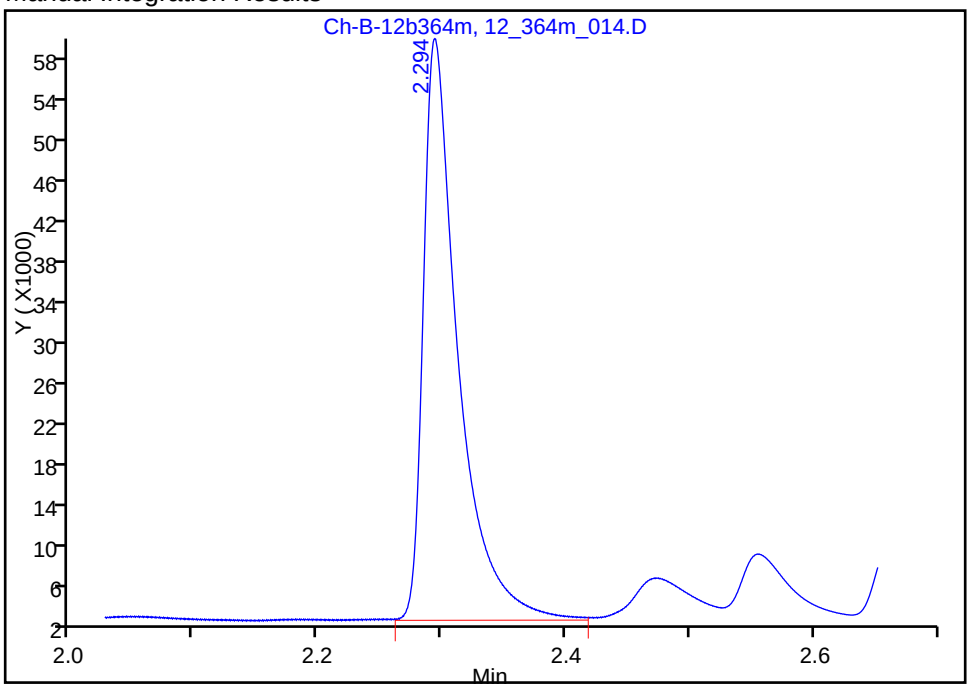
Not Detected
Expected RT: 2.30

Processing Integration Results



Manual Integration Results

RT: 2.29
Area: 111019
Amount: 0.057864
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 17:30:32
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

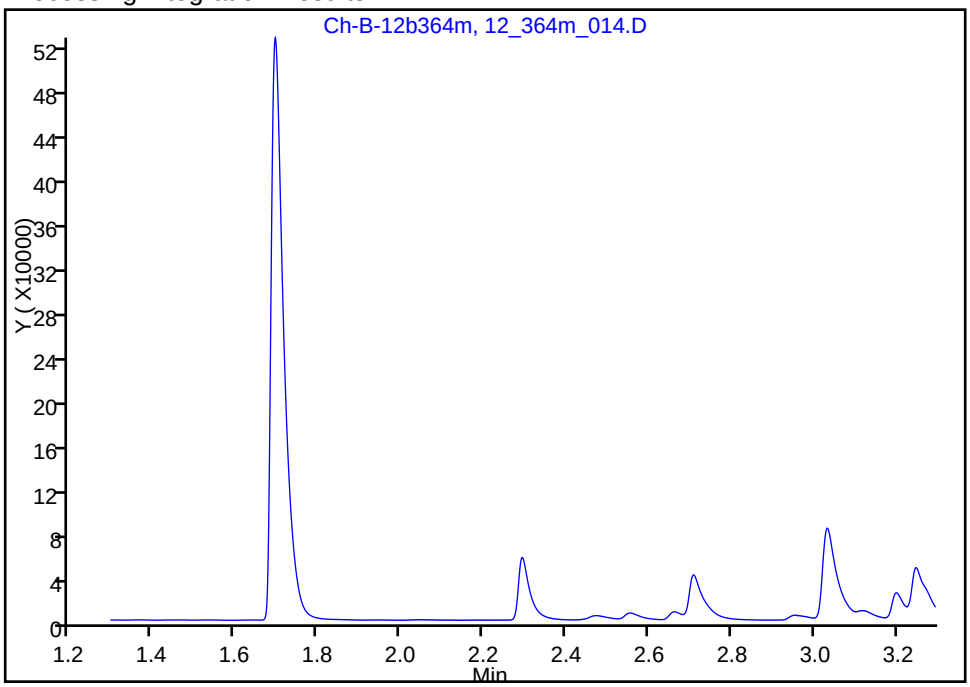
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D
Injection Date: 04-May-2016 17:08:32 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

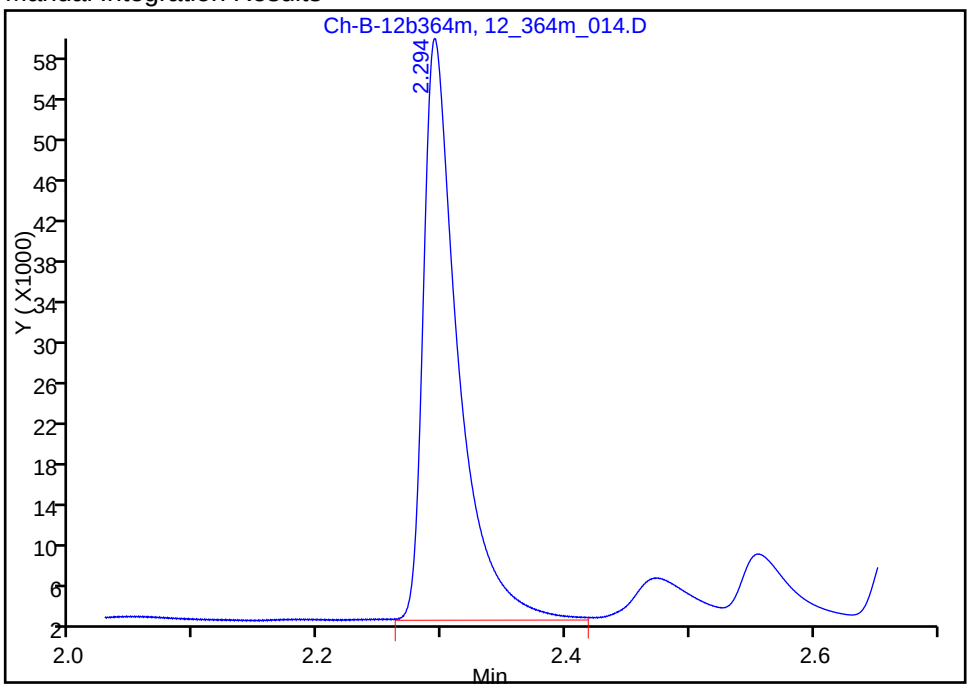
Processing Integration Results

Not Detected
Expected RT: 2.30



Manual Integration Results

RT: 2.29
Area: 111019
Amount: 0.057864
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:17:04
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

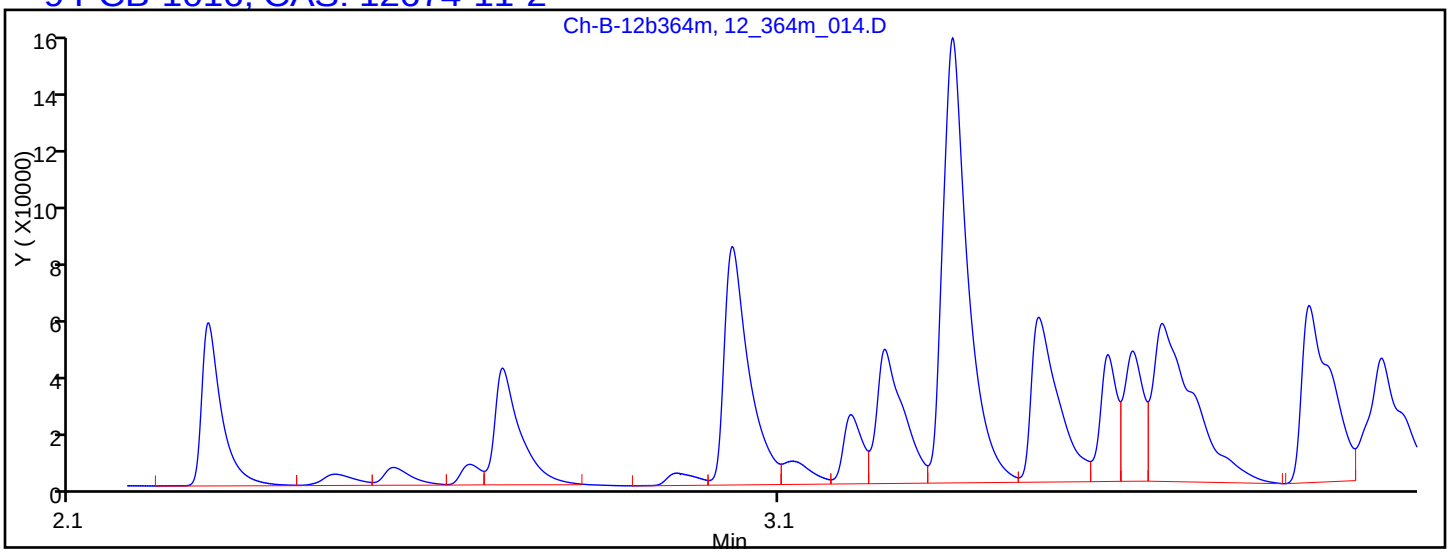
Report Date: 05-May-2016 16:32:02 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

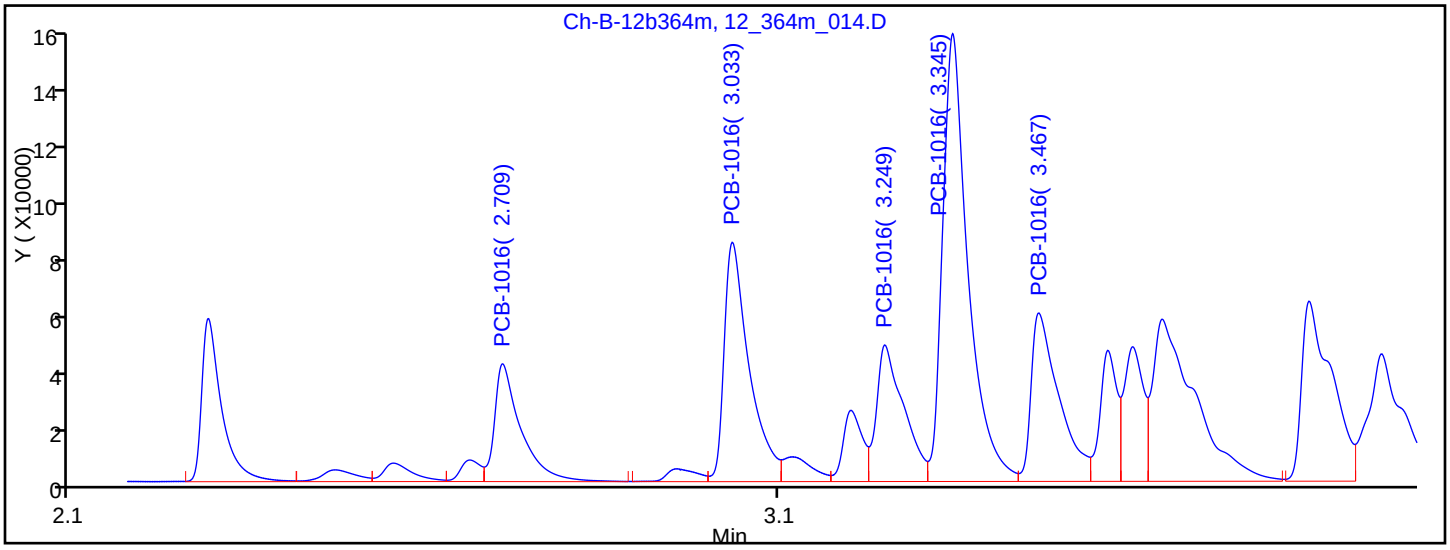
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_014.D

Injection Date:	04-May-2016 17:08:32	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results



Manual Integration Results

RT = 2.709	Response = 105556	M
RT = 3.033	Response = 204615	M
RT = 3.249	Response = 126930	M
RT = 3.345	Response = 390116	M
RT = 3.467	Response = 161066	M

Reviewer: sobolk, 04-May-2016 19:17:04

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-May-2016 17:23:52 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:08 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:57:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1411258	0.5000	0.5000	
2	1.695	1.694	0.001	1117617	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.725	1.723	0.002	82592	0.0250	0.0255	
2	2.295	2.296	-0.001	49939	0.0250	0.0263	
						RPD = 2.82	
9 PCB-1016							M
1	1.899	1.898	0.001	91005	1.00	1.01	
1	2.237	2.237	0.000	98316	1.00	1.03	M
1	2.389	2.390	-0.001	285278	1.00	1.06	M
1	2.457	2.460	-0.003	116405	1.00	1.00	M
1	2.504	2.500	0.004	80200	1.00	1.06	M
		Average of Peak Amounts =				1.03	
2	2.711	2.709	0.002	58754	1.00	0.9835	M
2	3.035	3.039	-0.004	110607	1.00	0.9366	M
2	3.250	3.248	0.002	66325	1.00	0.9852	M
2	3.345	3.348	-0.003	204294	1.00	1.03	M
2	3.468	3.470	-0.002	84305	1.00	1.02	M
		Average of Peak Amounts =				0.9900	
						RPD = 4.11	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.023	4.023	0.000	262792	1.00	1.04	
1	4.149	4.148	0.001	131297	1.00	0.9131	
1	4.327	4.328	-0.001	124850	1.00	0.9798	
1	4.521	4.520	0.001	382471	1.00	0.9873	
1	4.747	4.747	0.000	164890	1.00	0.99	
		Average of Peak Amounts =				0.9828	
2	5.237	5.237	0.000	133694	1.00	0.9681	
2	5.561	5.563	-0.002	110021	1.00	1.02	
2	5.627	5.629	-0.002	88091	1.00	0.9638	
2	5.693	5.695	-0.002	311959	1.00	1.01	
2	6.086	6.086	0.000	205276	1.00	1.00	
		Average of Peak Amounts =				0.99	
						RPD = 1.11	
$ 15 DCB Decachlorobiphenyl							
1	5.723	5.721	0.002	120081	0.0250	0.0249	
2	7.441	7.439	0.002	93150	0.0250	0.0249	
						RPD = 0.27	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00004 Amount Added: 0.25 Units: mL

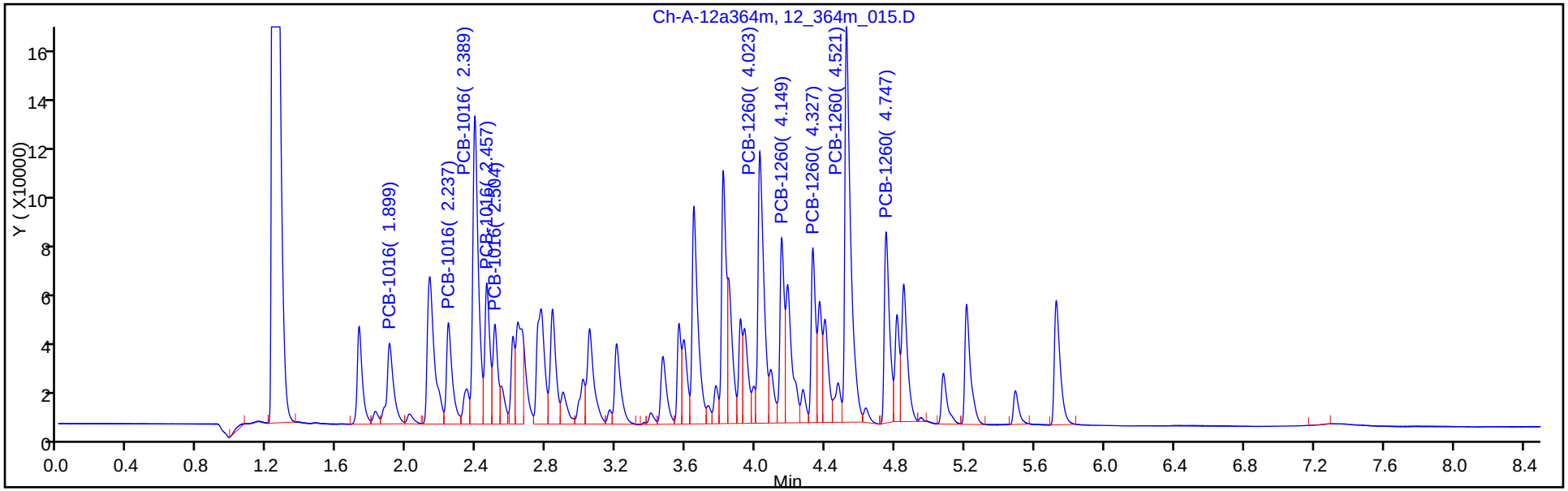
Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

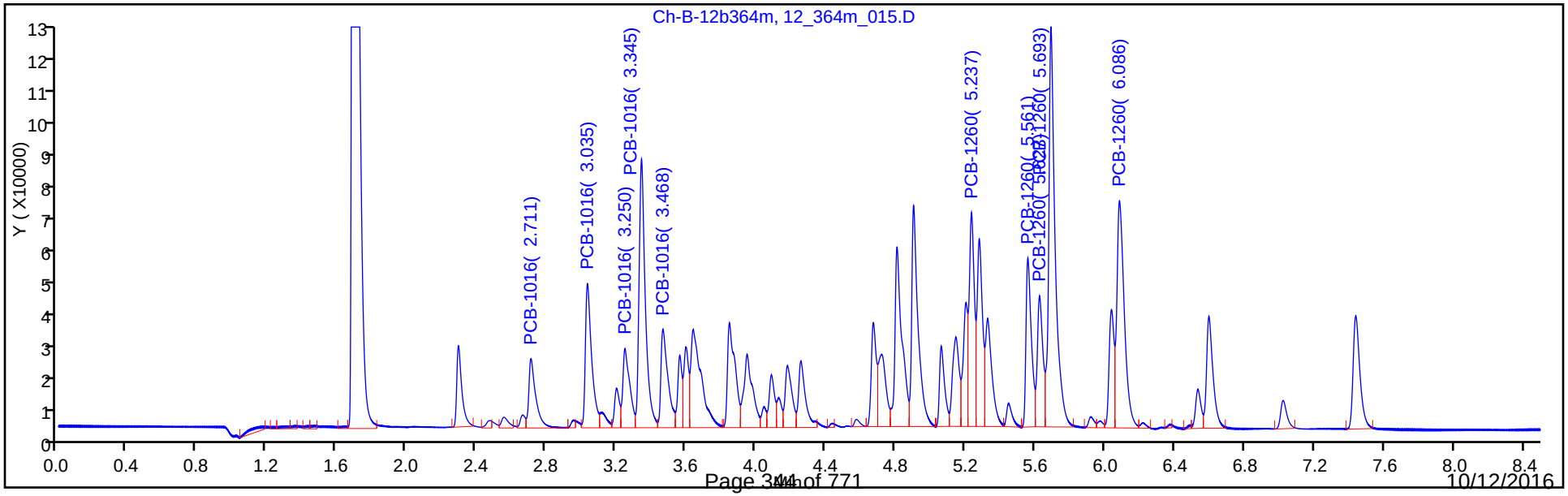
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

Injection Date:	04-May-2016 17:23:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



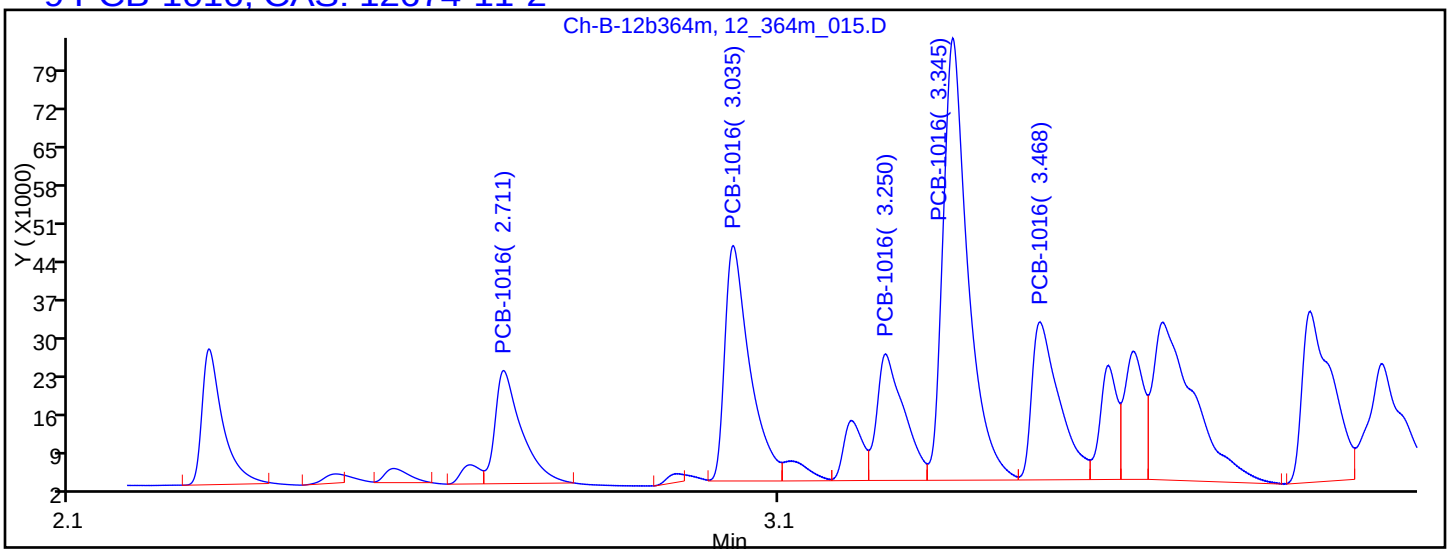
Report Date: 05-May-2016 16:32:09 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_015.D

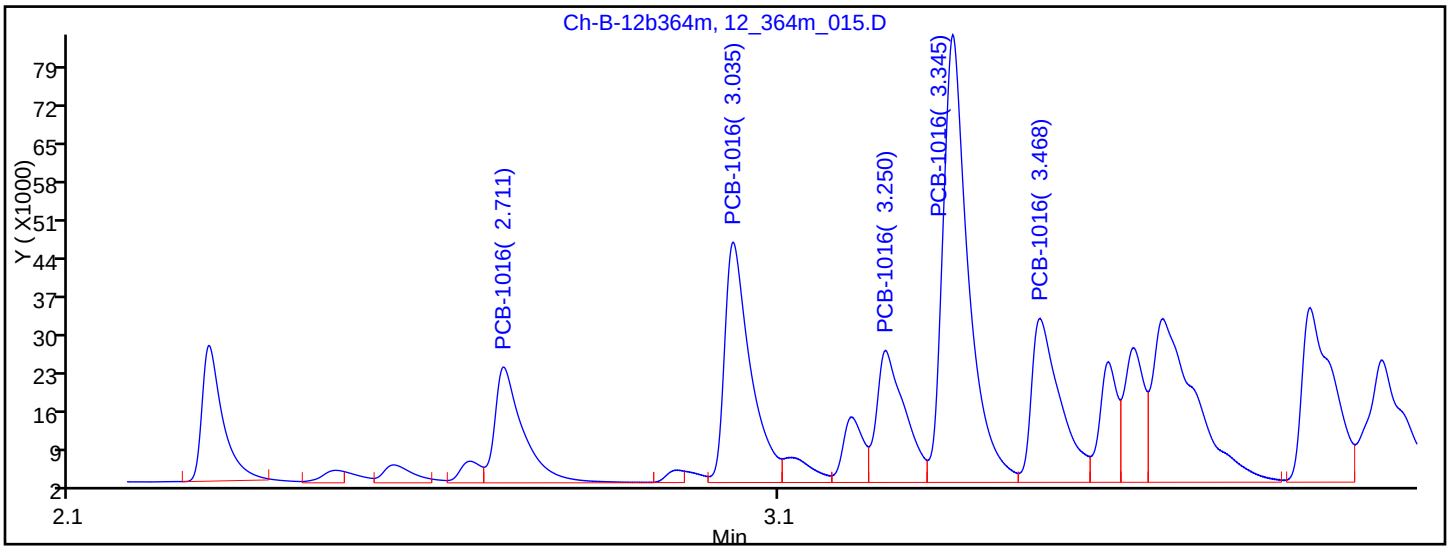
Injection Date:	04-May-2016 17:23:52	Instrument ID:	HP5890-12		
Lims ID:	IC 6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.711	Response = 53180	M
RT = 3.035	Response = 104742	M
RT = 3.250	Response = 61256	M
RT = 3.345	Response = 196150	M
RT = 3.468	Response = 77556	M



Manual Integration Results

RT = 2.711	Response = 58754	M
RT = 3.035	Response = 110607	M
RT = 3.250	Response = 66325	M
RT = 3.345	Response = 204294	M
RT = 3.468	Response = 84305	M

Reviewer: sobolk, 04-May-2016 19:24:32

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 04-May-2016 17:39:14 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 17:58:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1405777	0.5000	0.5000	
2	1.695	1.695	0.000	1112534	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	37477	0.0125	0.0116	
2	2.296	2.296	0.000	23268	0.0125	0.0123	M
						RPD = 5.53	
9 PCB-1016							M
1	1.901	1.901	0.000	46075	0.5000	0.5129	M
1	2.239	2.239	0.000	50421	0.5000	0.5289	M
1	2.390	2.390	0.000	138815	0.5000	0.5181	M
1	2.458	2.458	0.000	57534	0.5000	0.4966	M
1	2.505	2.505	0.000	37977	0.5000	0.5037	M
		Average of Peak Amounts =				0.5120	
2	2.713	2.713	0.000	29526	0.5000	0.4965	M
2	3.037	3.037	0.000	58190	0.5000	0.4950	M
2	3.251	3.251	0.000	33081	0.5000	0.4936	M
2	3.346	3.346	0.000	99224	0.5000	0.5015	M
2	3.470	3.470	0.000	42168	0.5000	0.5109	M
		Average of Peak Amounts =				0.4995	
						RPD = 2.48	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	133488	0.5000	0.5297	
1	4.150	4.150	0.000	69979	0.5000	0.4886	
1	4.329	4.329	0.000	65143	0.5000	0.5132	
1	4.522	4.522	0.000	193420	0.5000	0.5012	
1	4.749	4.749	0.000	82375	0.5000	0.4990	
		Average of Peak Amounts =				0.5064	
2	5.239	5.239	0.000	68244	0.5000	0.4964	M
2	5.563	5.563	0.000	56030	0.5000	0.5220	
2	5.631	5.631	0.000	44769	0.5000	0.4921	M
2	5.695	5.695	0.000	157424	0.5000	0.5135	M
2	6.089	6.089	0.000	102229	0.5000	0.5023	M
		Average of Peak Amounts =				0.5052	
						RPD = 0.22	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	60241	0.0125	0.0125	
2	7.444	7.444	0.000	47392	0.0125	0.0127	
						RPD = 1.74	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00003 Amount Added: 0.25 Units: mL

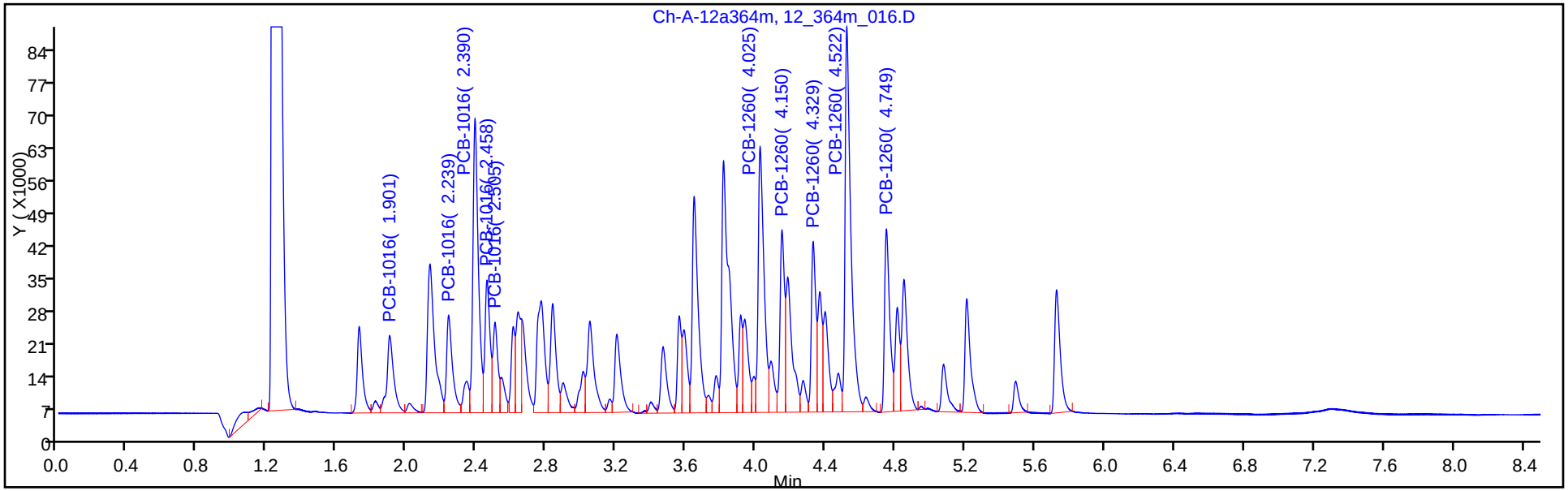
Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

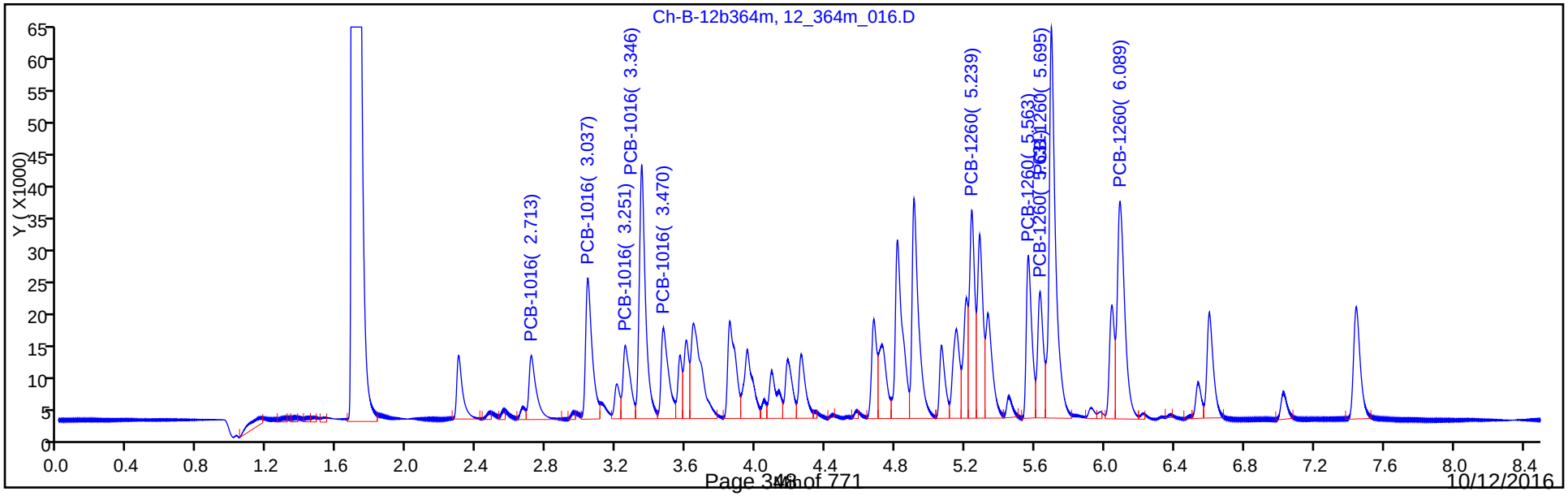
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

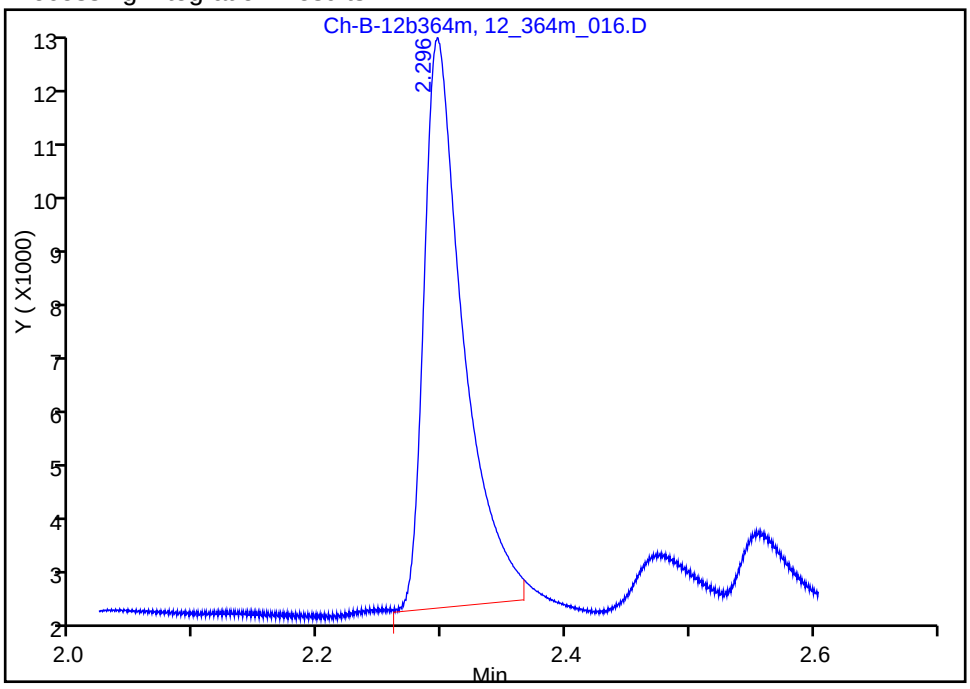
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D
Injection Date: 04-May-2016 17:39:14 Instrument ID: HP5890-12
Lims ID: ICIS 5
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

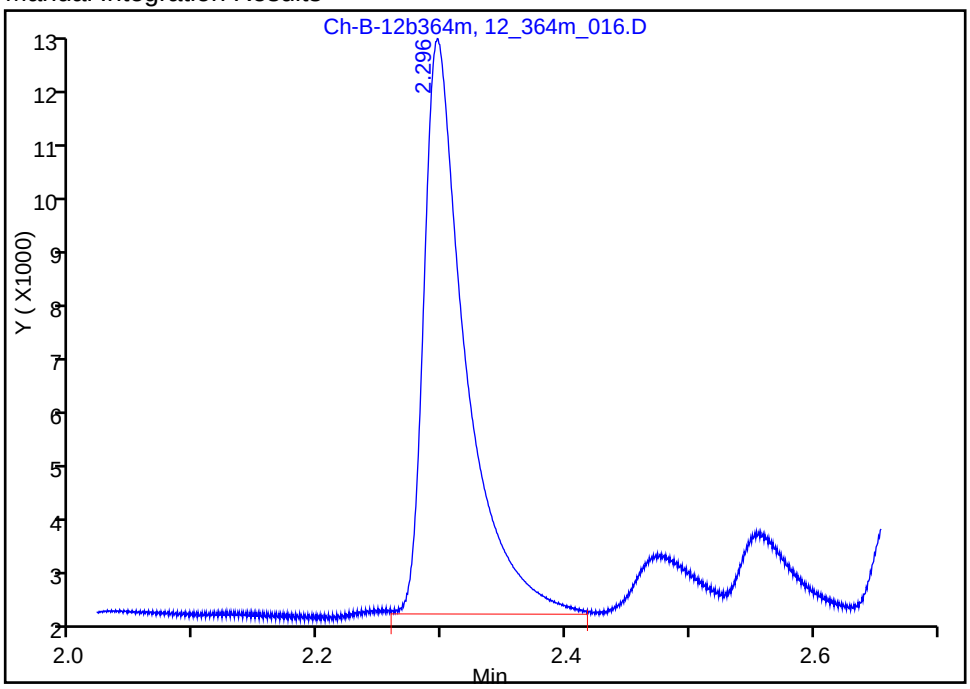
Processing Integration Results

RT: 2.30
Area: 21755
Amount: 0.011407
Amount Units: ng/uL



Manual Integration Results

RT: 2.30
Area: 23268
Amount: 0.012288
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:19:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

Injection Date: 04-May-2016 17:39:14 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

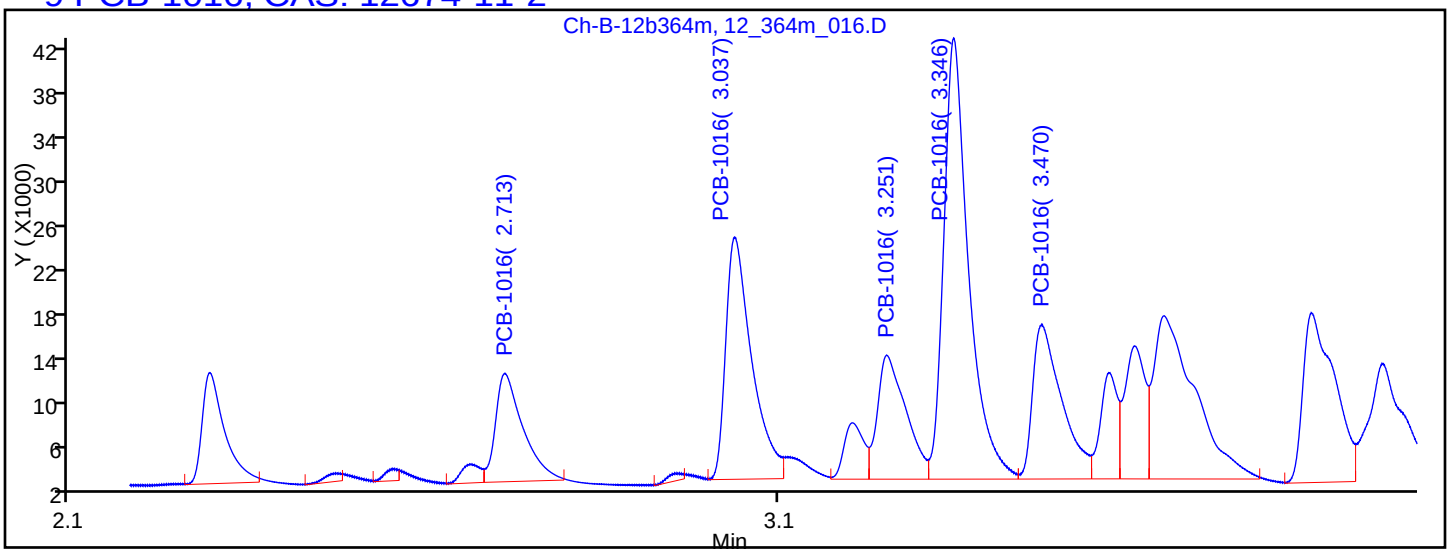
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

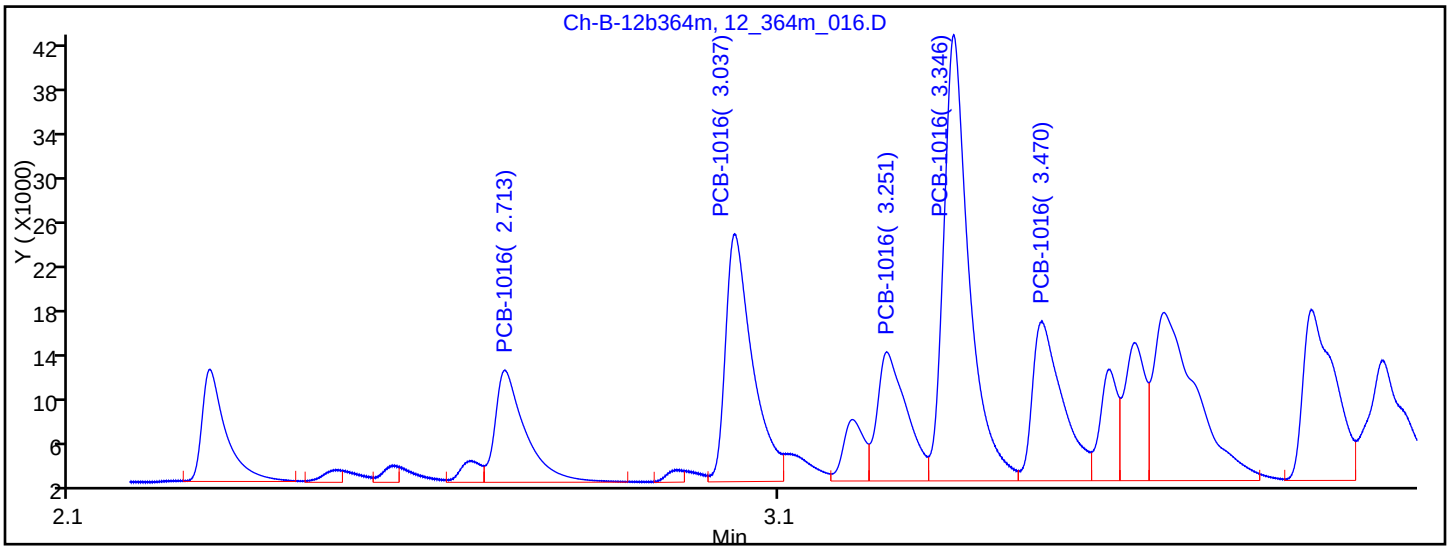
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.713	Response = 25873	M
RT = 3.037	Response = 54933	M
RT = 3.251	Response = 30824	M
RT = 3.346	Response = 95850	M
RT = 3.470	Response = 39391	M



Manual Integration Results

RT = 2.713	Response = 29526	M
RT = 3.037	Response = 58190	M
RT = 3.251	Response = 33081	M
RT = 3.346	Response = 99224	M
RT = 3.470	Response = 42168	M

Reviewer: sobolk, 04-May-2016 17:58:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

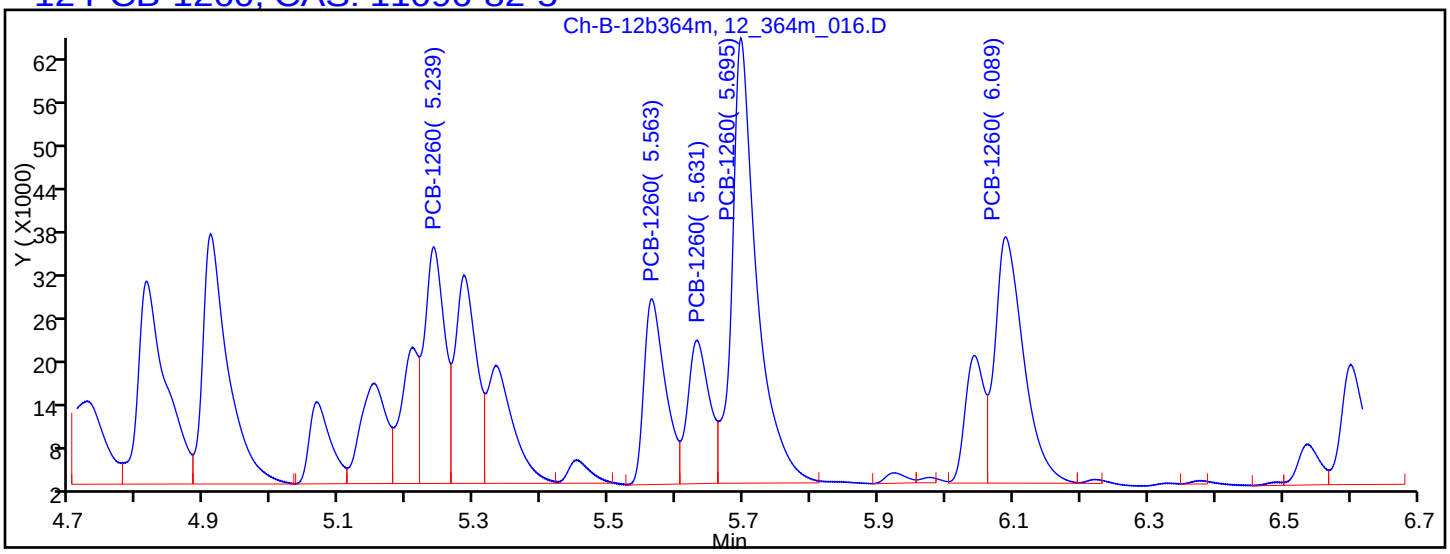
Report Date: 05-May-2016 16:32:17 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_016.D

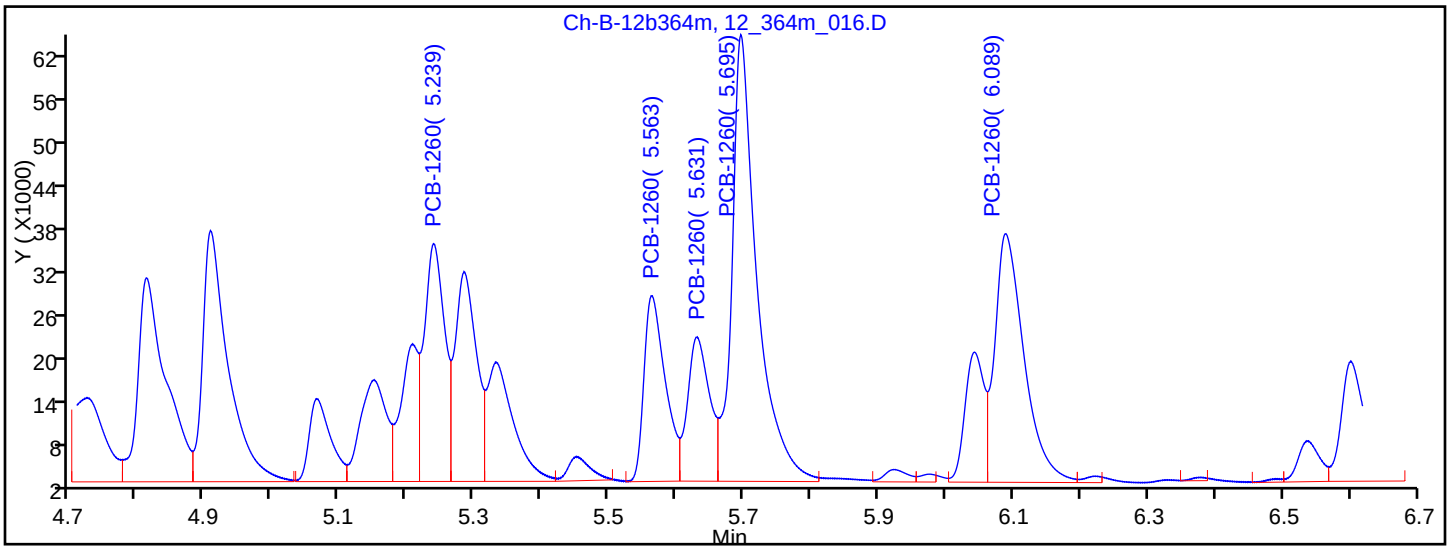
Injection Date:	04-May-2016 17:39:14	Instrument ID:	HP5890-12		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.239	Response = 67750	M
RT = 5.563	Response = 56030	
RT = 5.631	Response = 44392	M
RT = 5.695	Response = 155399	M
RT = 6.089	Response = 99476	M



Manual Integration Results

RT = 5.239	Response = 68244	M
RT = 5.563	Response = 56030	
RT = 5.631	Response = 44769	M
RT = 5.695	Response = 157424	M
RT = 6.089	Response = 102229	M

Reviewer: sobolk, 04-May-2016 17:58:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-May-2016 17:54:36 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:22 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:25:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1431303	0.5000	0.5000	
2	1.695	1.695	0.000	1139818	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	15329	0.005000	0.004671	
2	2.295	2.296	-0.001	9178	0.005000	0.004731	M
						RPD = 1.28	
9 PCB-1016							M
1	1.901	1.901	0.000	19723	0.2000	0.2156	M
1	2.239	2.239	0.000	21416	0.2000	0.2207	M
1	2.390	2.390	0.000	56465	0.2000	0.2070	M
1	2.459	2.458	0.001	24661	0.2000	0.2091	M
1	2.503	2.505	-0.002	15792	0.2000	0.2057	M
		Average of Peak Amounts =				0.2116	
2	2.713	2.713	0.000	12182	0.2000	0.2000	M
2	3.037	3.037	0.000	25425	0.2000	0.2111	M
2	3.251	3.251	0.000	13771	0.2000	0.2006	M
2	3.347	3.346	0.001	40779	0.2000	0.2012	M
2	3.471	3.470	0.001	17720	0.2000	0.2095	M
		Average of Peak Amounts =				0.2045	
						RPD = 3.43	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	55584	0.2000	0.2167	
1	4.150	4.150	0.000	31174	0.2000	0.2138	
1	4.329	4.329	0.000	27543	0.2000	0.2131	
1	4.521	4.522	-0.001	79841	0.2000	0.2032	
1	4.749	4.749	0.000	33928	0.2000	0.2019	
		Average of Peak Amounts =				0.2097	
2	5.237	5.239	-0.002	28184	0.2000	0.2001	M
2	5.562	5.563	-0.001	22711	0.2000	0.2065	
2	5.629	5.631	-0.002	17927	0.2000	0.1923	
2	5.695	5.695	0.000	62325	0.2000	0.1984	
2	6.087	6.089	-0.002	39058	0.2000	0.1873	
		Average of Peak Amounts =				0.1969	
						RPD = 6.29	
$ 15 DCB Decachlorobiphenyl							
1	5.724	5.725	-0.001	25037	0.005000	0.005111	
2	7.442	7.444	-0.002	18033	0.005000	0.004732	
						RPD = 7.71	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00003 Amount Added: 0.25 Units: mL

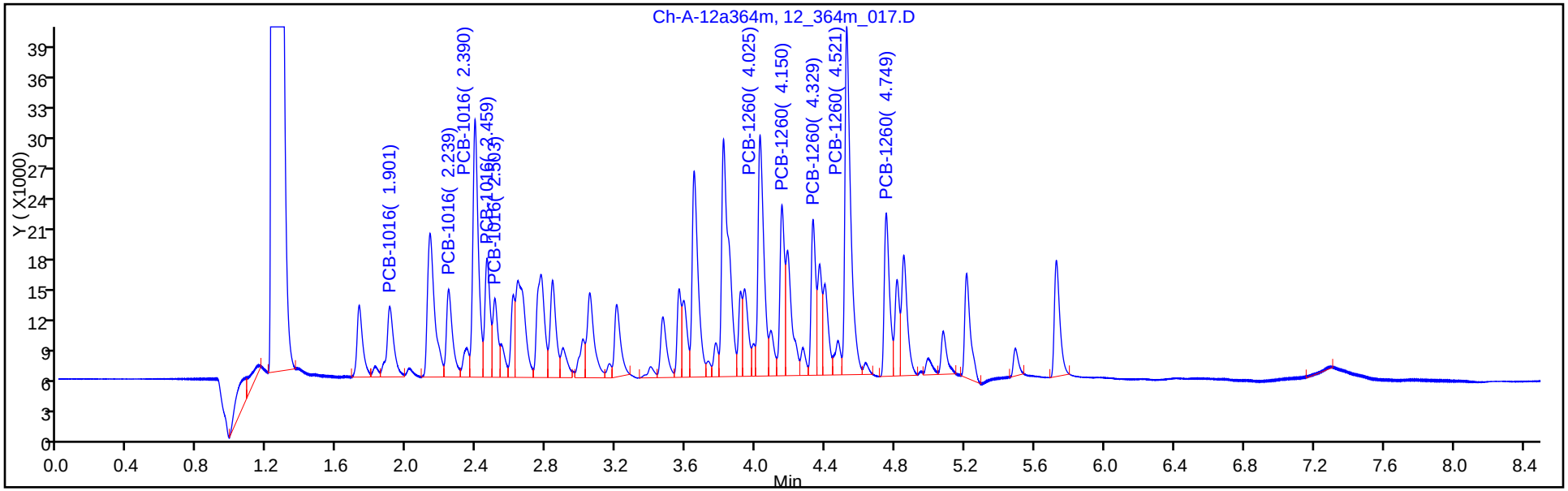
Report Date: 05-May-2016 16:32:23 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

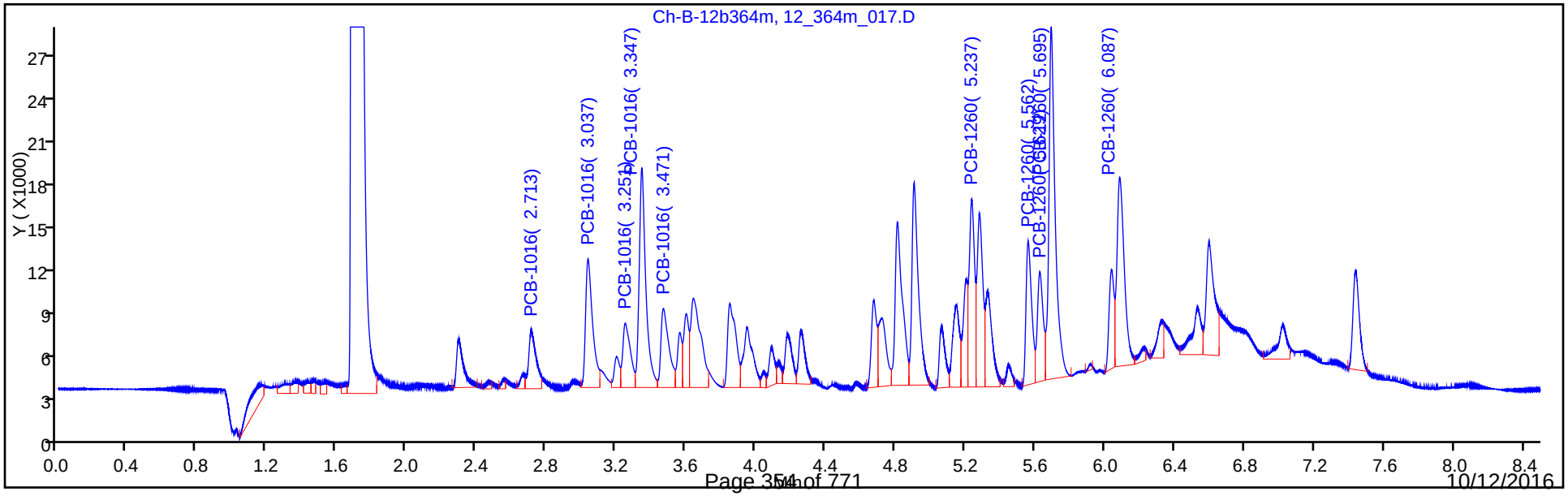
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

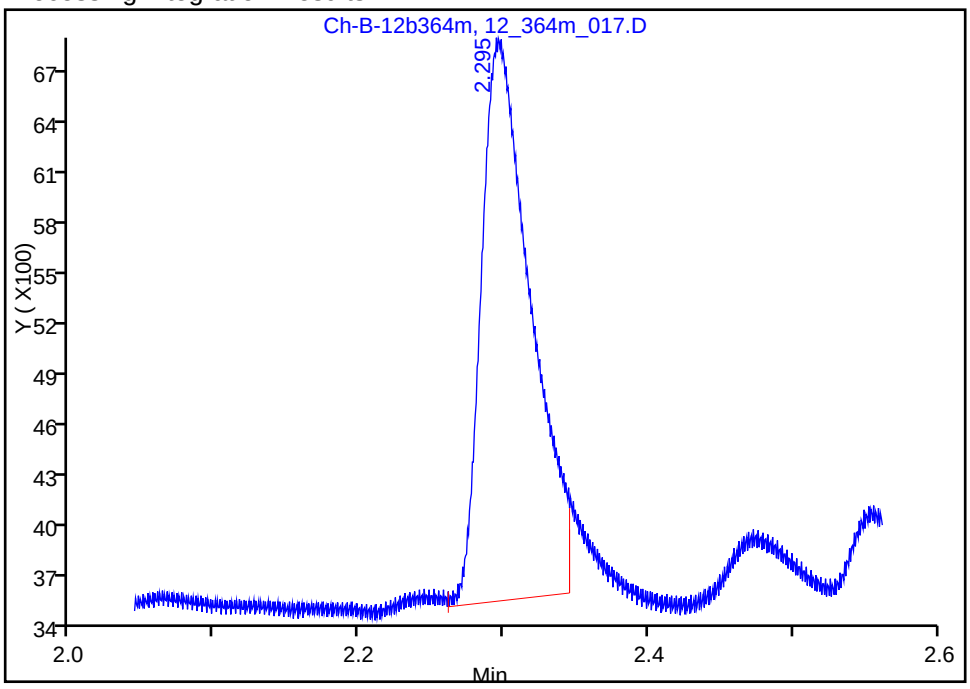
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D				
Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

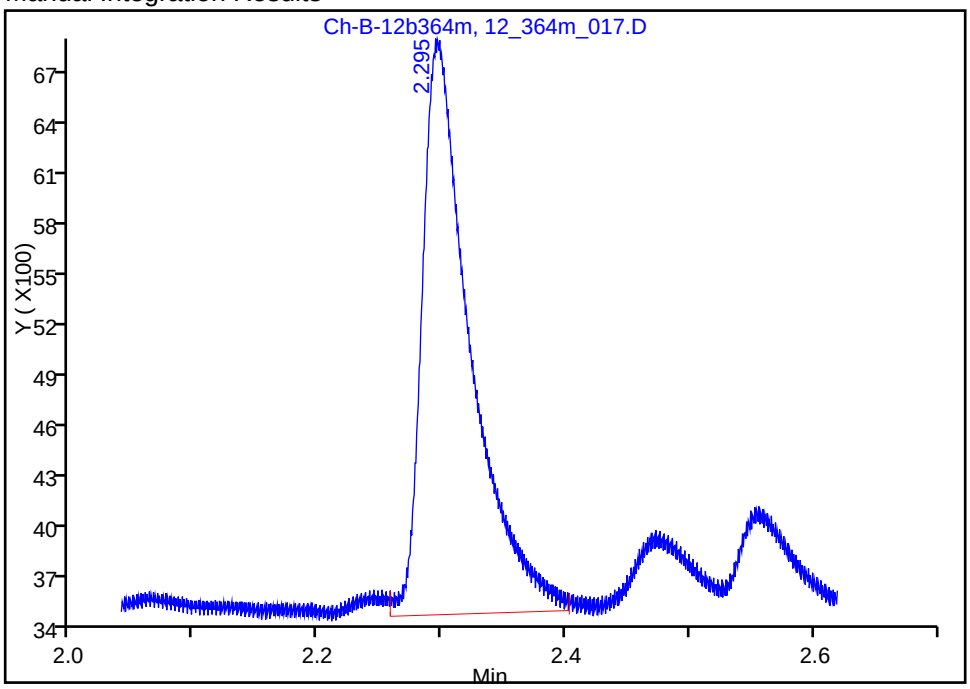
Processing Integration Results

RT: 2.29
Area: 7860
Amount: 0.004424
Amount Units: ng/uL



Manual Integration Results

RT: 2.29
Area: 9178
Amount: 0.004731
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:19:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

Injection Date: 04-May-2016 17:54:36 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

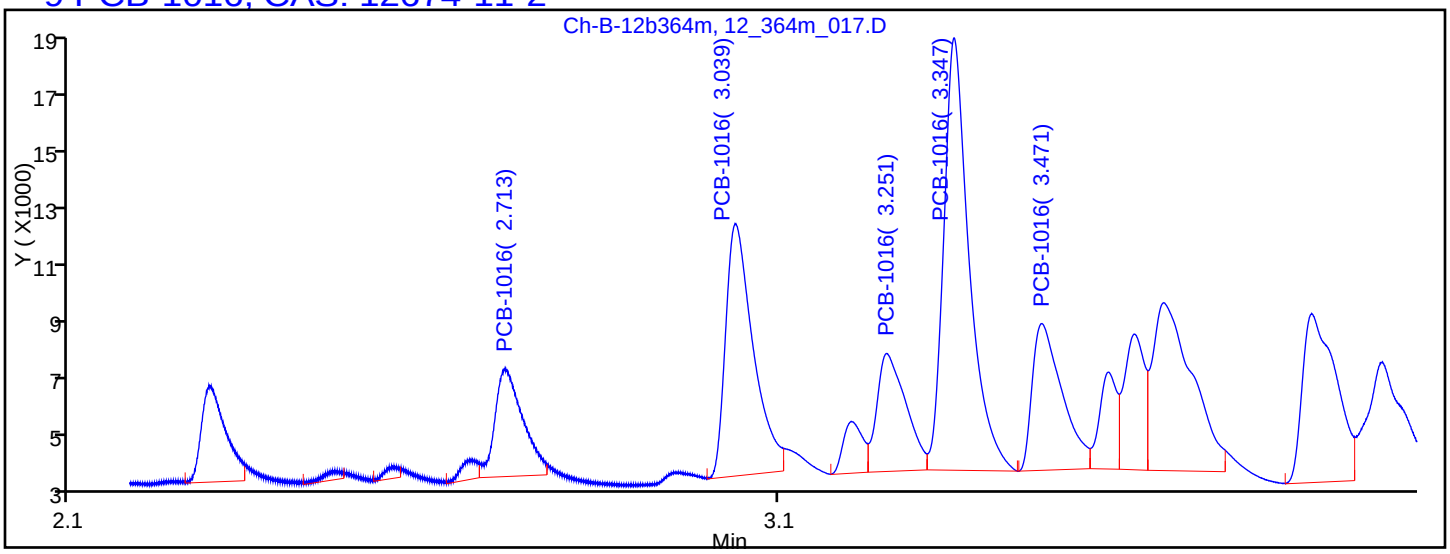
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

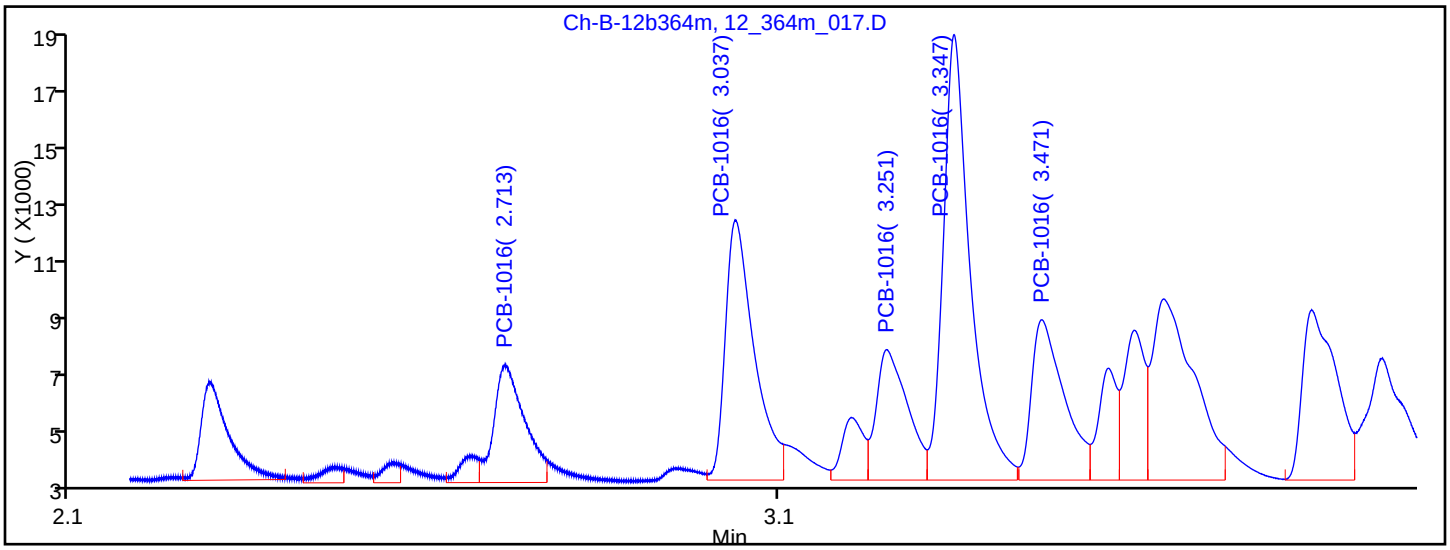
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.713	Response = 10148	M
RT = 3.039	Response = 23384	M
RT = 3.251	Response = 11521	M
RT = 3.347	Response = 37200	M
RT = 3.471	Response = 14767	M



Manual Integration Results

RT = 2.713	Response = 12182	M
RT = 3.037	Response = 25425	M
RT = 3.251	Response = 13771	M
RT = 3.347	Response = 40779	M
RT = 3.471	Response = 17720	M

Reviewer: sobolk, 04-May-2016 18:25:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

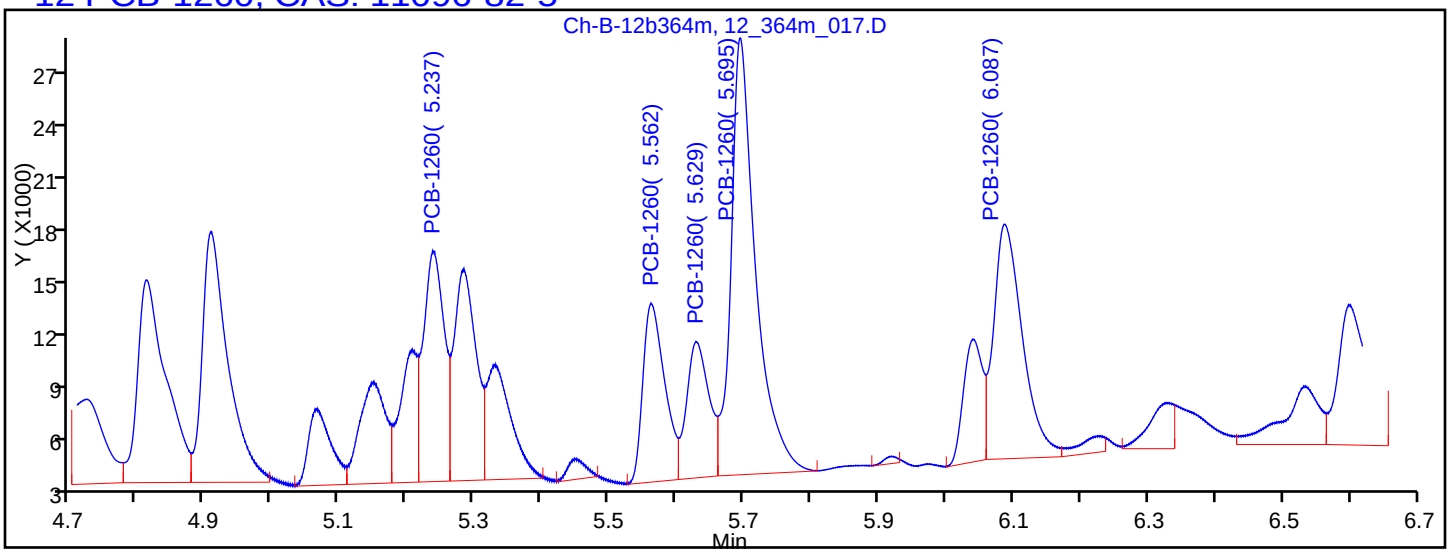
Report Date: 05-May-2016 16:32:24 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_017.D

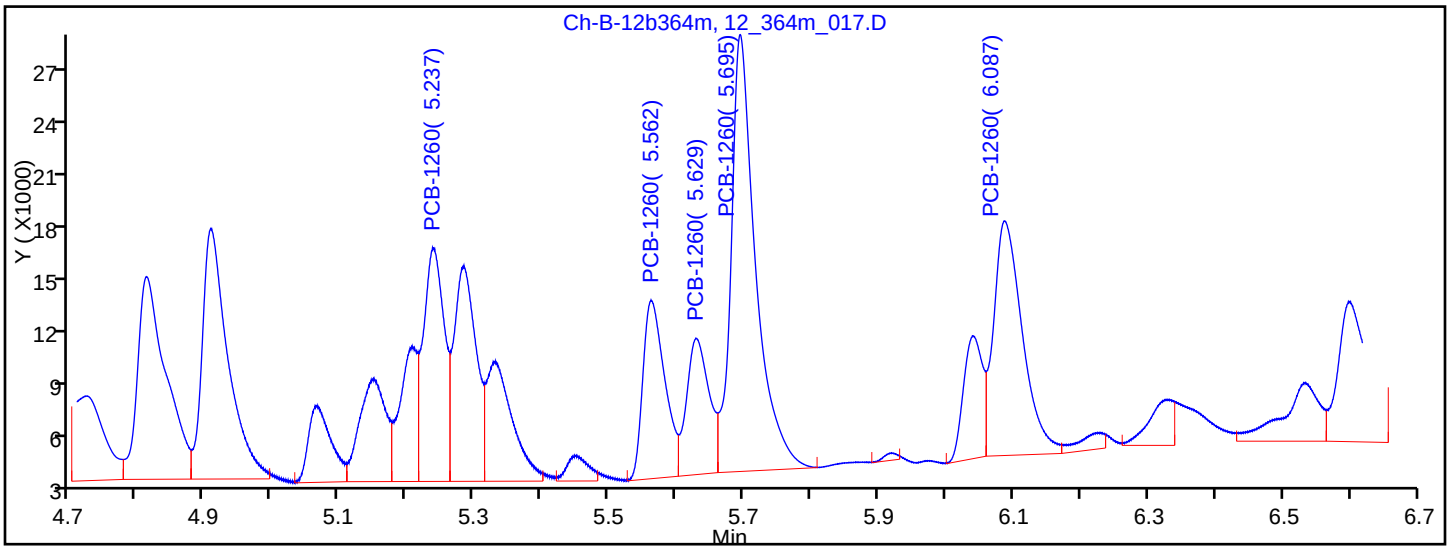
Injection Date:	04-May-2016 17:54:36	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.237	Response = 27691	M
RT = 5.562	Response = 22711	
RT = 5.629	Response = 17927	
RT = 5.695	Response = 62325	
RT = 6.087	Response = 39058	



Manual Integration Results

RT = 5.237	Response = 28184	M
RT = 5.562	Response = 22711	
RT = 5.629	Response = 17927	
RT = 5.695	Response = 62325	
RT = 6.087	Response = 39058	

Reviewer: sobolk, 04-May-2016 18:25:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-May-2016 18:10:00 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:30 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 18:26:53

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1403968	0.5000	0.5000	
2	1.695	1.695	0.000	1114603	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.725	1.725	0.000	7983	0.002500	0.002480	
2	2.298	2.296	0.002	4699	0.002500	0.002477	M
						RPD = 0.11	
9 PCB-1016							M
1	1.902	1.901	0.001	8391	0.1000	0.0935	
1	2.239	2.239	0.000	9502	0.1000	0.0998	M
1	2.392	2.390	0.002	25919	0.1000	0.0969	M
1	2.459	2.458	0.001	11615	0.1000	0.1004	M
1	2.504	2.505	-0.001	8458	0.1000	0.1123	M
		Average of Peak Amounts =				0.1006	
2	2.712	2.713	-0.001	5974	0.1000	0.1003	M
2	3.039	3.037	0.002	12633	0.1000	0.1073	M
2	3.251	3.251	0.000	6961	0.1000	0.1037	M
2	3.348	3.346	0.002	20211	0.1000	0.1020	M
2	3.469	3.470	-0.001	8299	0.1000	0.1004	M
		Average of Peak Amounts =				0.1027	
						RPD = 2.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.026	4.025	0.001	26961	0.1000	0.1071	M
1	4.151	4.150	0.001	15860	0.1000	0.1109	M
1	4.329	4.329	0.000	13951	0.1000	0.1101	M
1	4.523	4.522	0.001	39901	0.1000	0.1035	M
1	4.750	4.749	0.001	16582	0.1000	0.1006	
		Average of Peak Amounts =				0.1064	
2	5.239	5.239	0.000	14033	0.1000	0.1019	M
2	5.563	5.563	0.000	11641	0.1000	0.1082	M
2	5.630	5.631	-0.001	9306	0.1000	0.1021	M
2	5.695	5.695	0.000	31672	0.1000	0.1031	M
2	6.089	6.089	0.000	19081	0.1000	0.0936	
		Average of Peak Amounts =				0.1018	
						RPD = 4.47	
$ 15 DCB Decachlorobiphenyl							
1	5.725	5.725	0.000	12184	0.002500	0.002536	
2	7.442	7.444	-0.002	9108	0.002500	0.002444	
						RPD = 3.68	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00004 Amount Added: 0.25 Units: mL

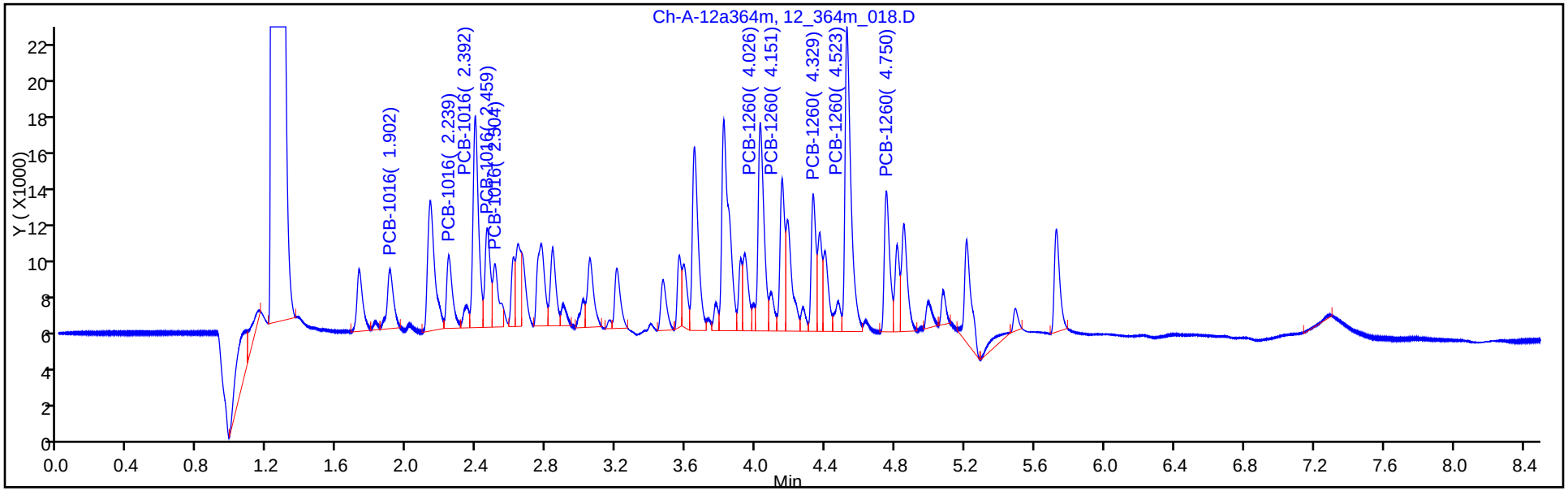
Report Date: 05-May-2016 16:32:31 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

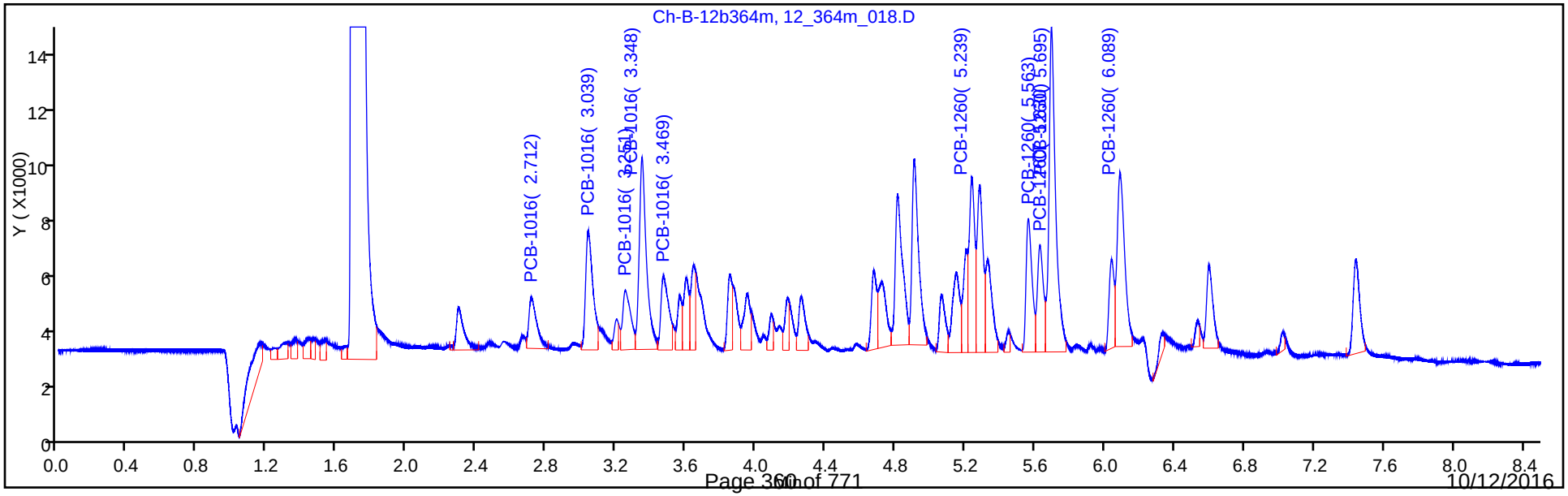
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

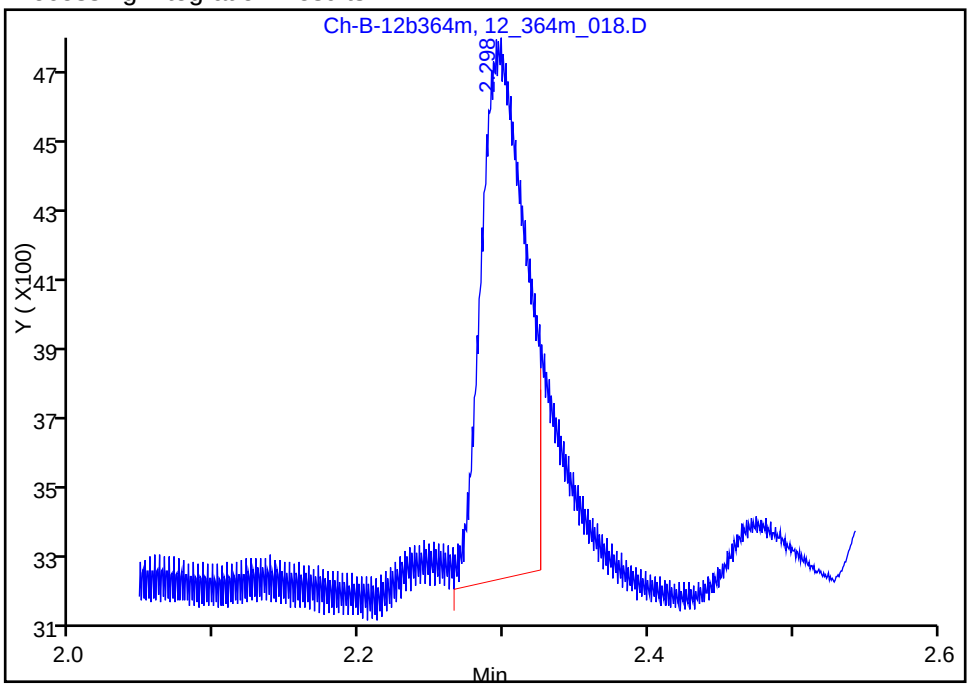
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D				
Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

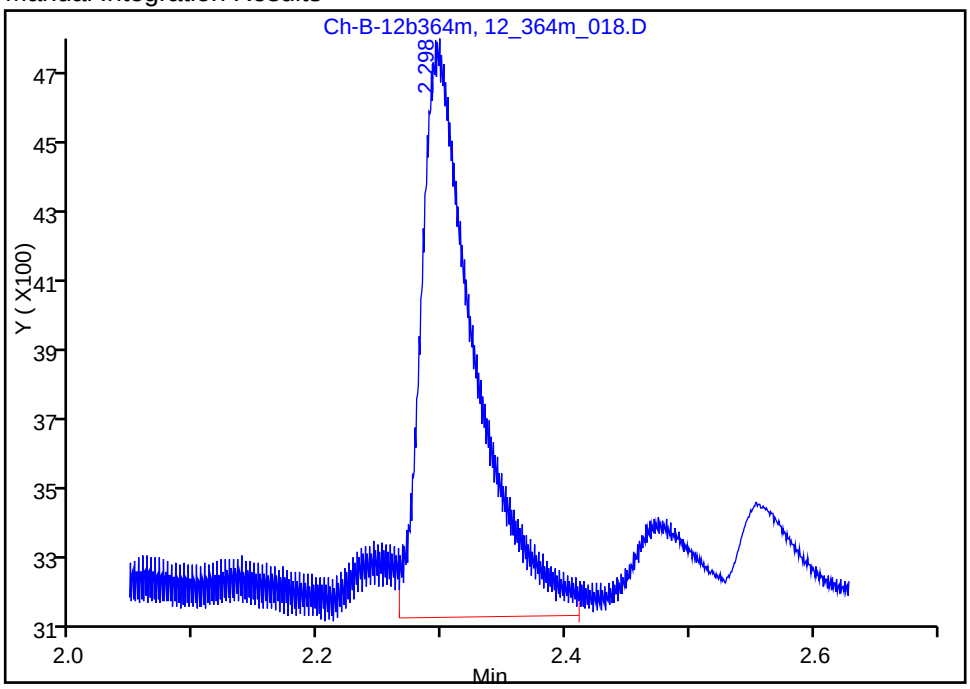
Processing Integration Results

RT: 2.30
Area: 3070
Amount: 0.001732
Amount Units: ng/uL



Manual Integration Results

RT: 2.30
Area: 4699
Amount: 0.002477
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:20:04

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

Injection Date: 04-May-2016 18:10:00 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

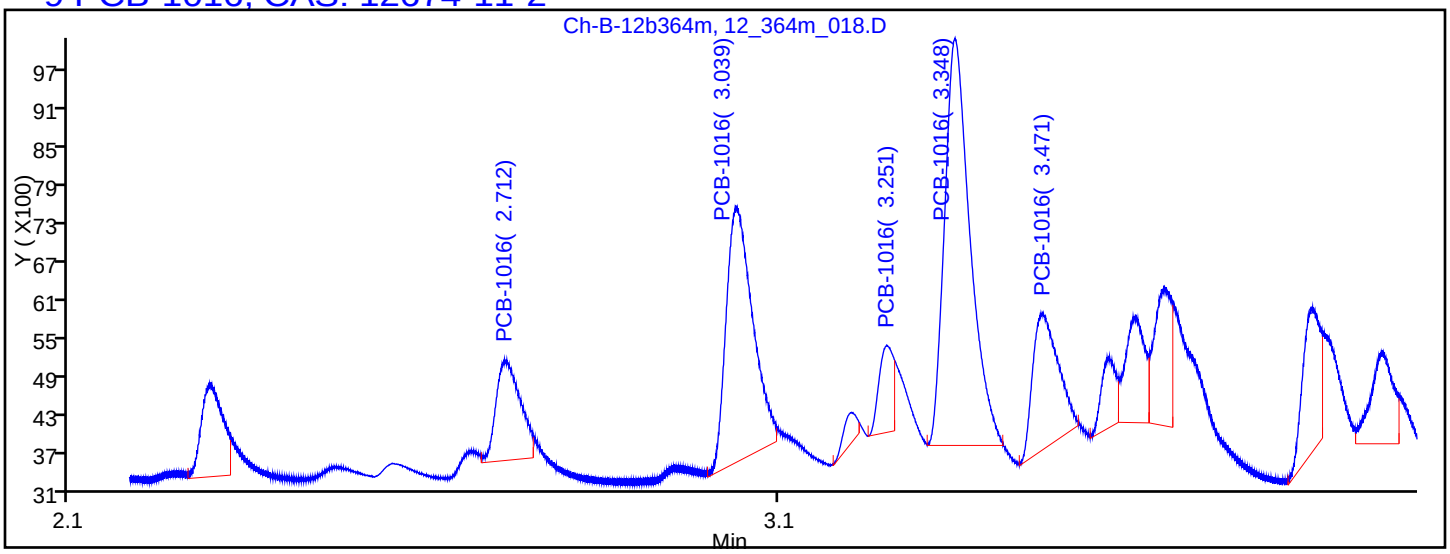
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

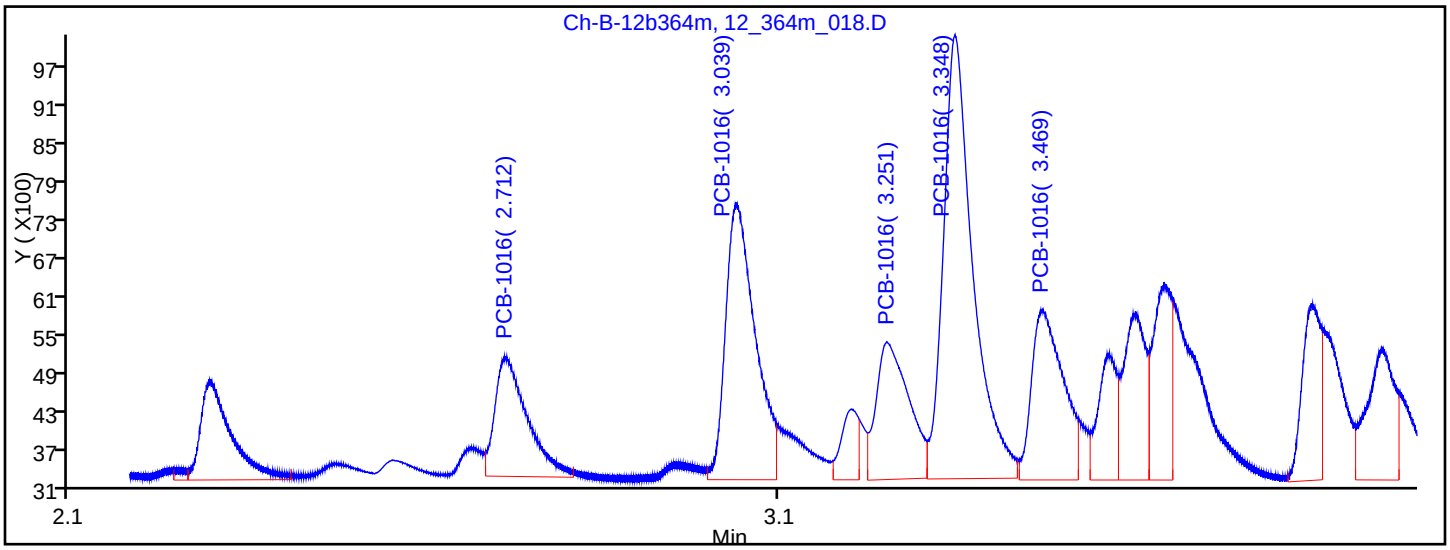
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.712	Response = 3776	M
RT = 3.039	Response = 10460	M
RT = 3.251	Response = 1881	M
RT = 3.348	Response = 16034	M
RT = 3.471	Response = 5342	M



Manual Integration Results

RT = 2.712	Response = 5974	M
RT = 3.039	Response = 12633	M
RT = 3.251	Response = 6961	M
RT = 3.348	Response = 20211	M
RT = 3.469	Response = 8299	M

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

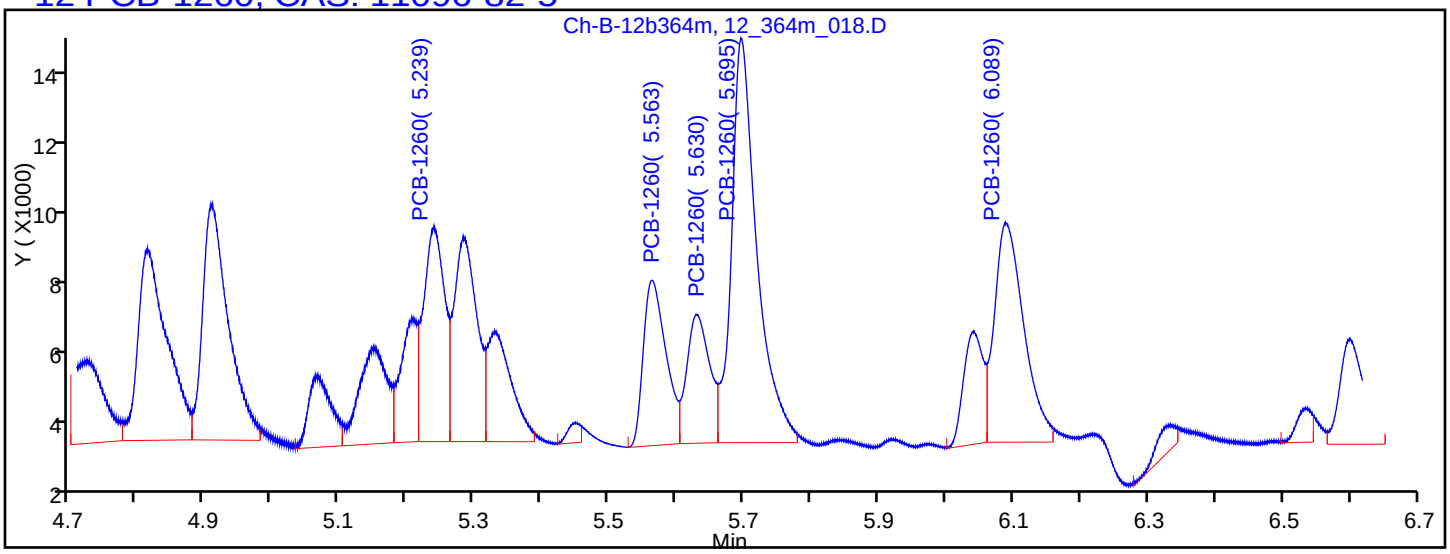
Report Date: 05-May-2016 16:32:32 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_018.D

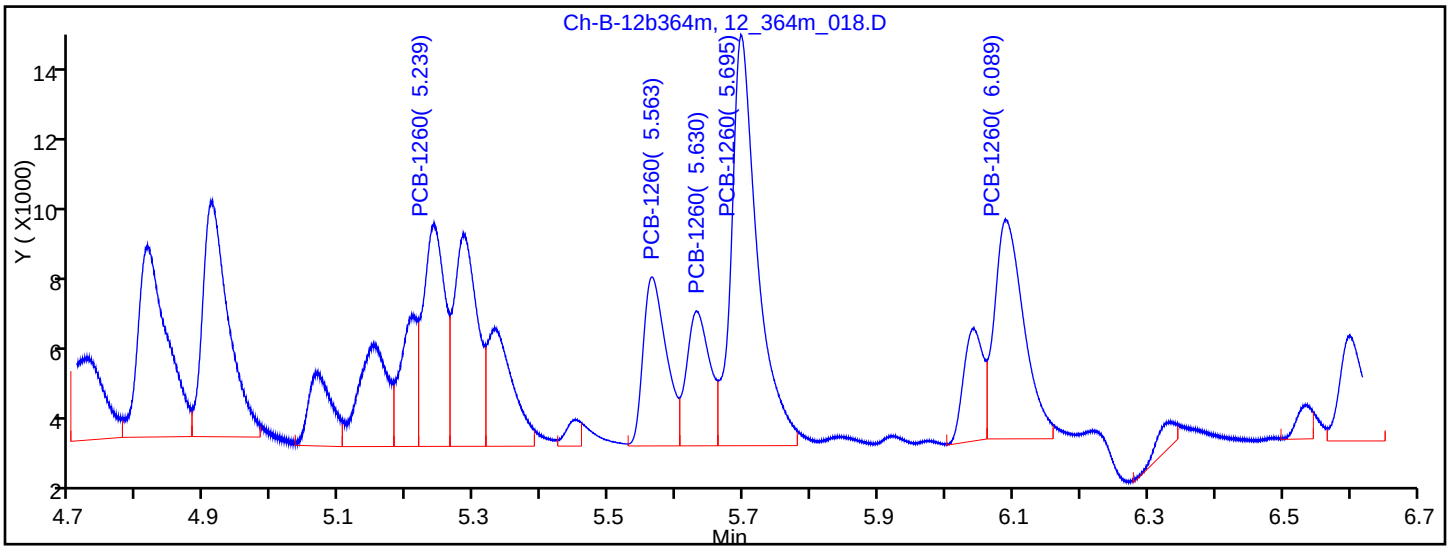
Injection Date:	04-May-2016 18:10:00	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.239	Response = 13384	M
RT = 5.563	Response = 11153	M
RT = 5.630	Response = 8725	M
RT = 5.695	Response = 30387	M
RT = 6.089	Response = 19081	



Manual Integration Results

RT = 5.239	Response = 14033	M
RT = 5.563	Response = 11641	M
RT = 5.630	Response = 9306	M
RT = 5.695	Response = 31672	M
RT = 6.089	Response = 19081	

Reviewer: sobolk, 04-May-2016 18:26:53

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 18:25:21 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:09:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1444487	0.5000	0.5000	
2	1.694	1.695	-0.001	1150810	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.726	1.725	0.001	3828	0.001250	0.001156	M
2	2.297	2.296	0.001	2093	0.001250	0.001069	M
						RPD = 7.84	
9 PCB-1016							M
1	1.901	1.901	0.000	4054	0.0500	0.0439	
1	2.239	2.239	0.000	4683	0.0500	0.0478	M
1	2.391	2.390	0.001	13135	0.0500	0.0477	M
1	2.458	2.458	0.000	5641	0.0500	0.0474	M
1	2.505	2.505	0.000	3531	0.0500	0.0456	M
		Average of Peak Amounts =				0.0465	
2	2.714	2.713	0.001	2987	0.0500	0.0486	M
2	3.039	3.037	0.002	6161	0.0500	0.0507	M
2	3.252	3.251	0.001	3901	0.0500	0.0563	M
2	3.347	3.346	0.001	10102	0.0500	0.0494	M
2	3.469	3.470	-0.001	4478	0.0500	0.0524	M
		Average of Peak Amounts =				0.0515	
						RPD = 10.17	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	12728	0.0500	0.0492	M
1	4.150	4.150	0.000	7824	0.0500	0.0532	M
1	4.329	4.329	0.000	6669	0.0500	0.0511	
1	4.523	4.522	0.001	19046	0.0500	0.0480	
1	4.749	4.749	0.000	8438	0.0500	0.0497	
		Average of Peak Amounts =				0.0502	
2	5.241	5.239	0.002	7434	0.0500	0.0523	M
2	5.565	5.563	0.002	5580	0.0500	0.0503	
2	5.629	5.631	-0.002	4967	0.0500	0.0528	M
2	5.697	5.695	0.002	15993	0.0500	0.0504	M
2	6.087	6.089	-0.002	10636	0.0500	0.0505	M
		Average of Peak Amounts =				0.0513	
						RPD = 1.98	
$ 15 DCB Decachlorobiphenyl							M
1	5.724	5.725	-0.001	5974	0.001250	0.001208	
2	7.442	7.444	-0.002	5266	0.001250	0.001369	M
						RPD = 12.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00003 Amount Added: 0.25 Units: mL

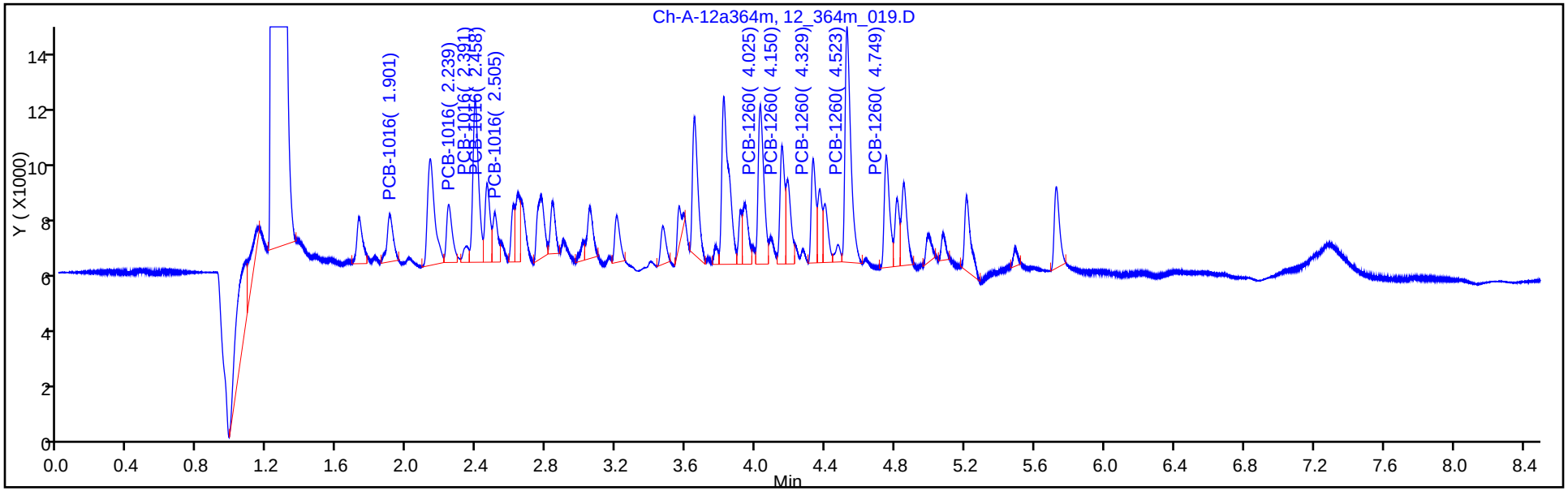
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

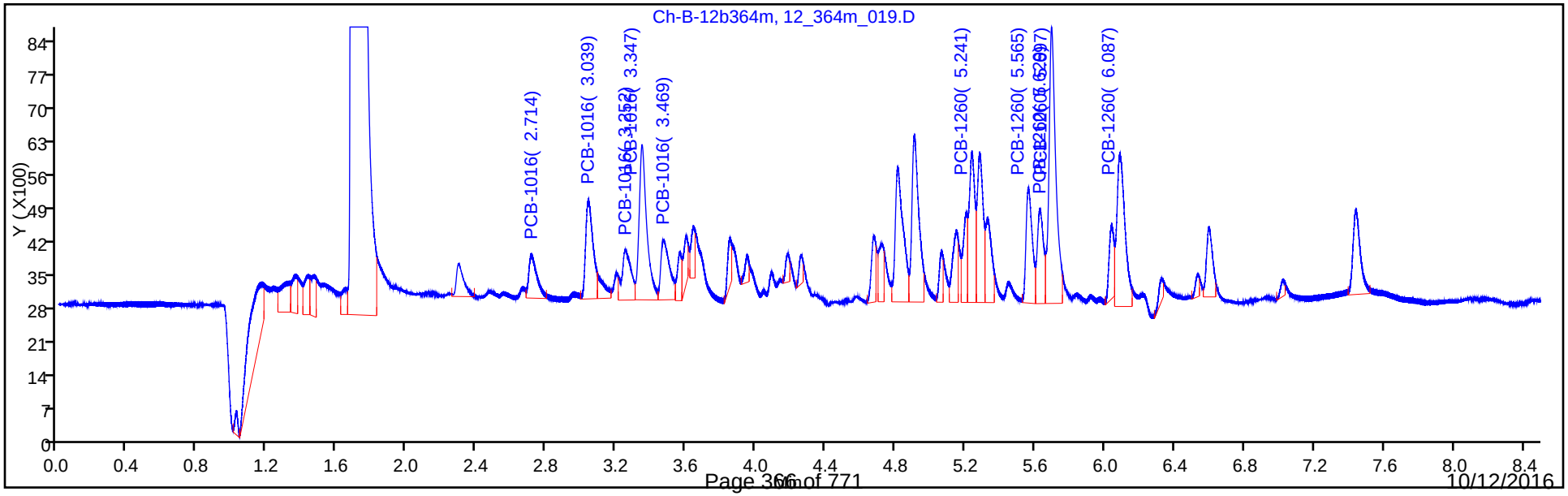
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

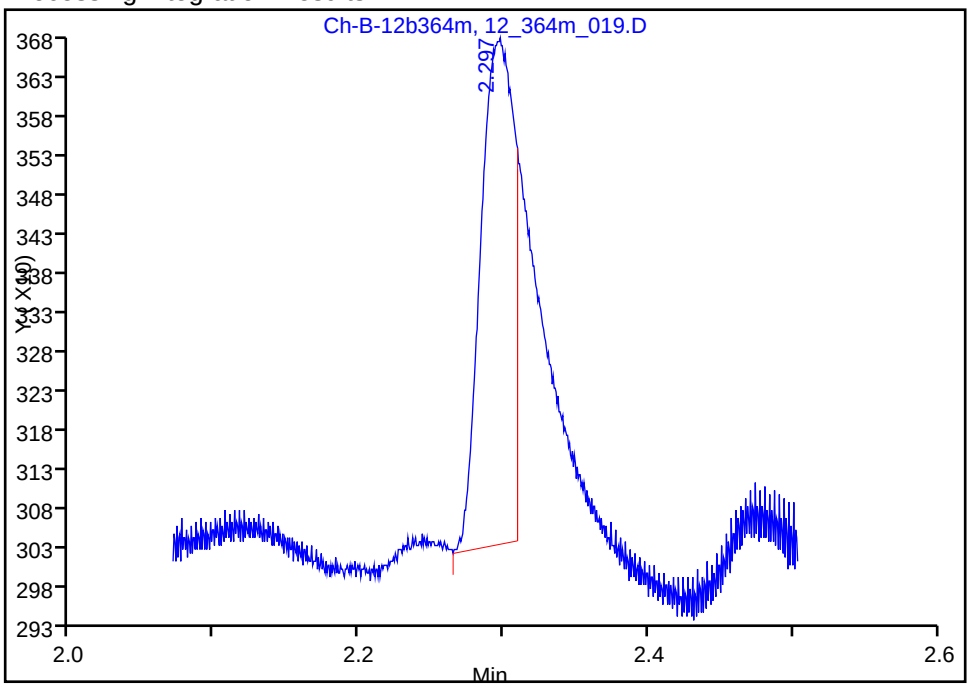
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Injection Date: 04-May-2016 18:25:21 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

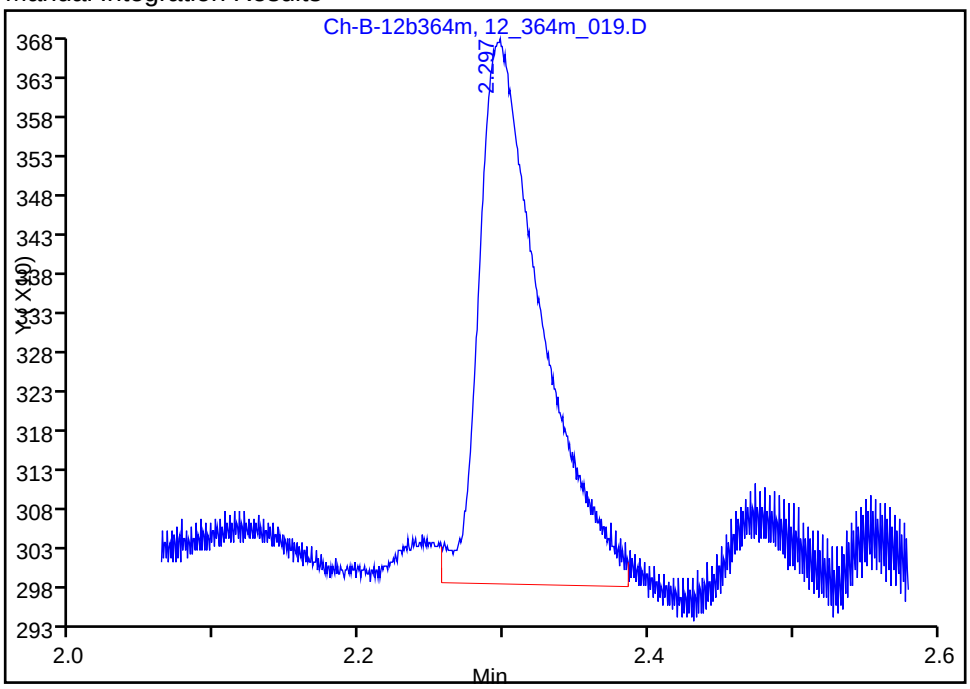
Processing Integration Results

RT: 2.30
Area: 1009
Amount: 0.000566
Amount Units: ng/uL



Manual Integration Results

RT: 2.30
Area: 2093
Amount: 0.001069
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:09:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

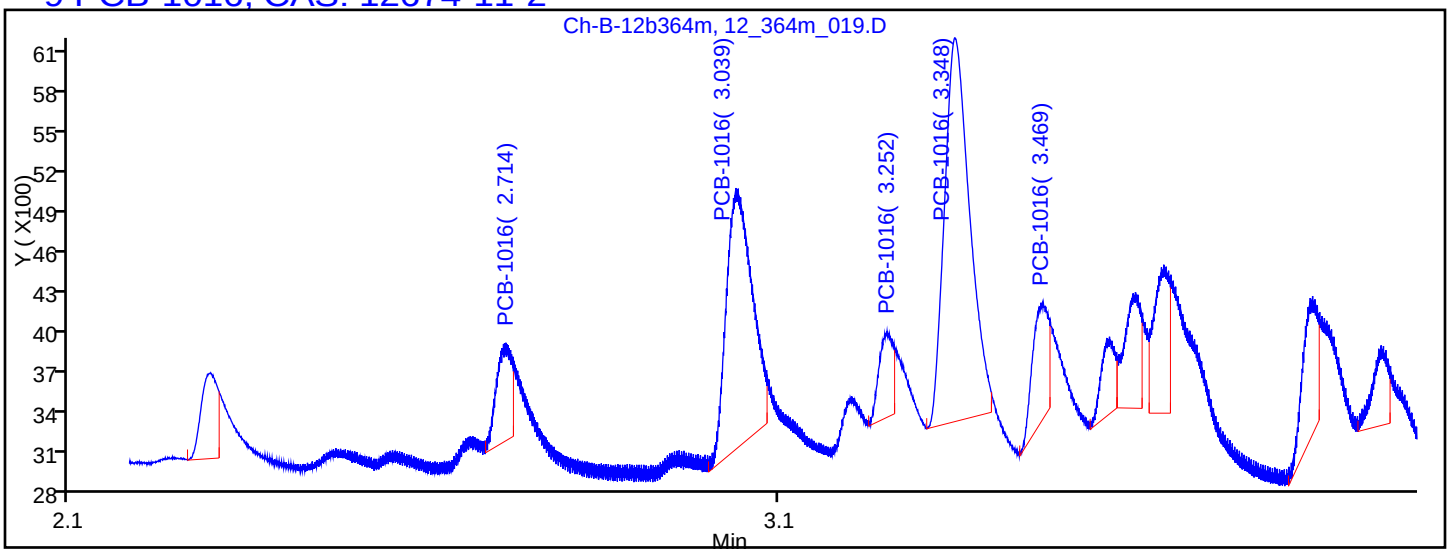
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

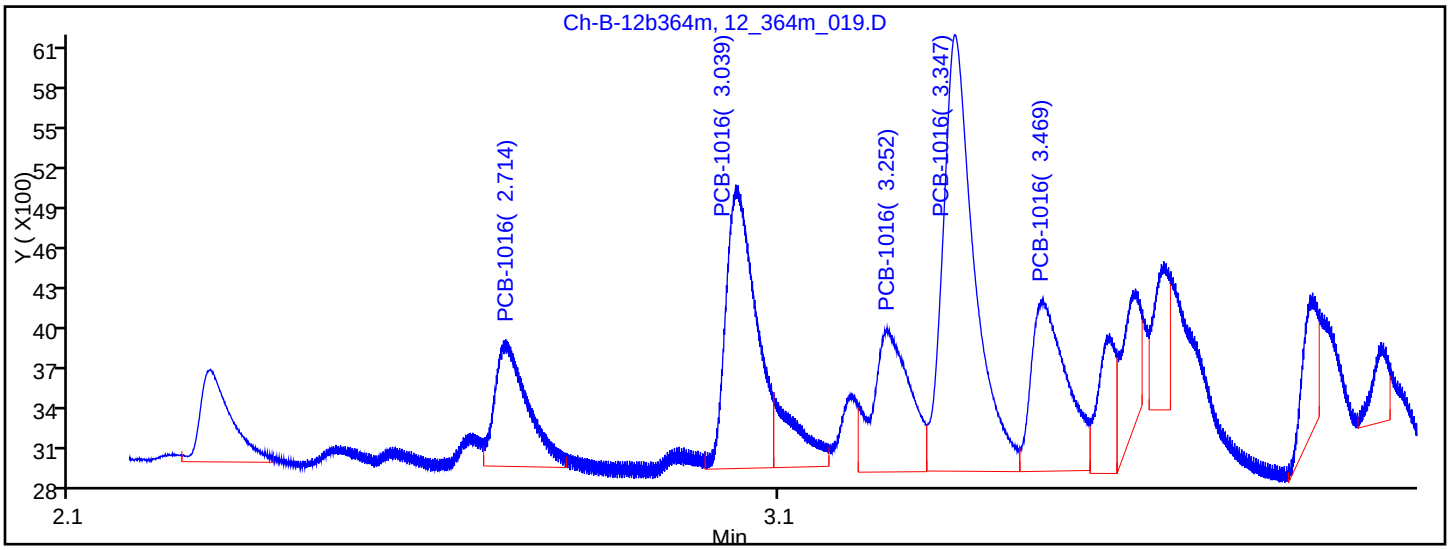
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.714	Response = 1078	M
RT = 3.039	Response = 4914	M
RT = 3.252	Response = 877	M
RT = 3.348	Response = 7112	M
RT = 3.469	Response = 1375	M



Manual Integration Results

RT = 2.714	Response = 2987	M
RT = 3.039	Response = 6161	M
RT = 3.252	Response = 3901	M
RT = 3.347	Response = 10102	M
RT = 3.469	Response = 4478	M

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

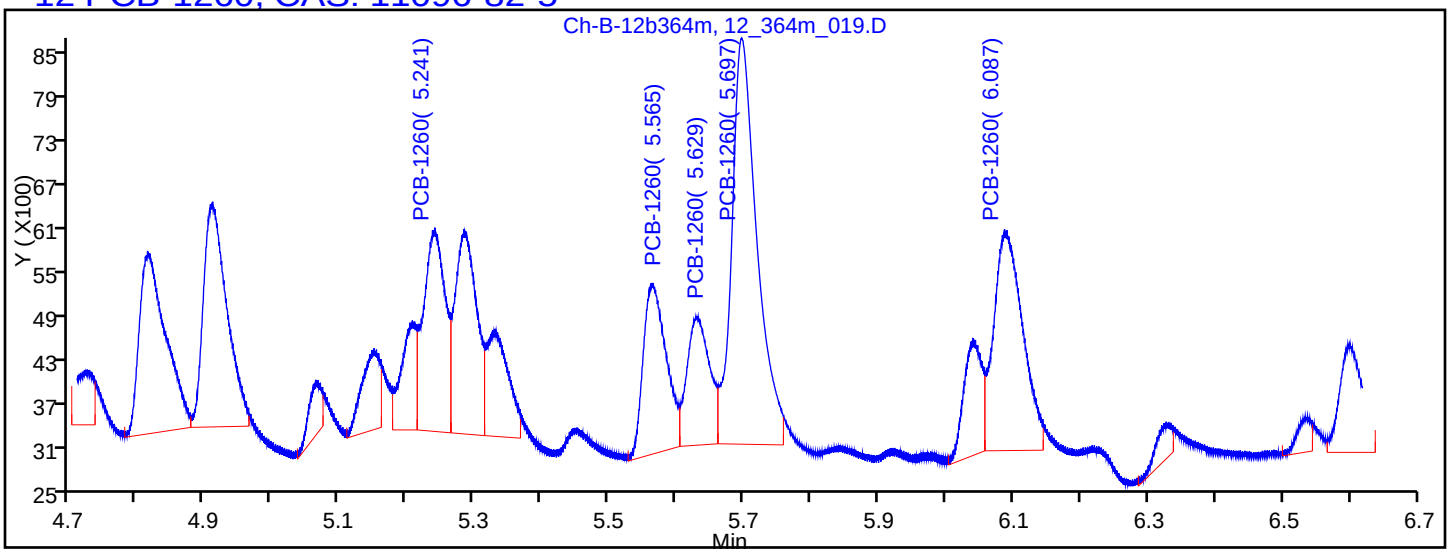
Report Date: 05-May-2016 16:32:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D

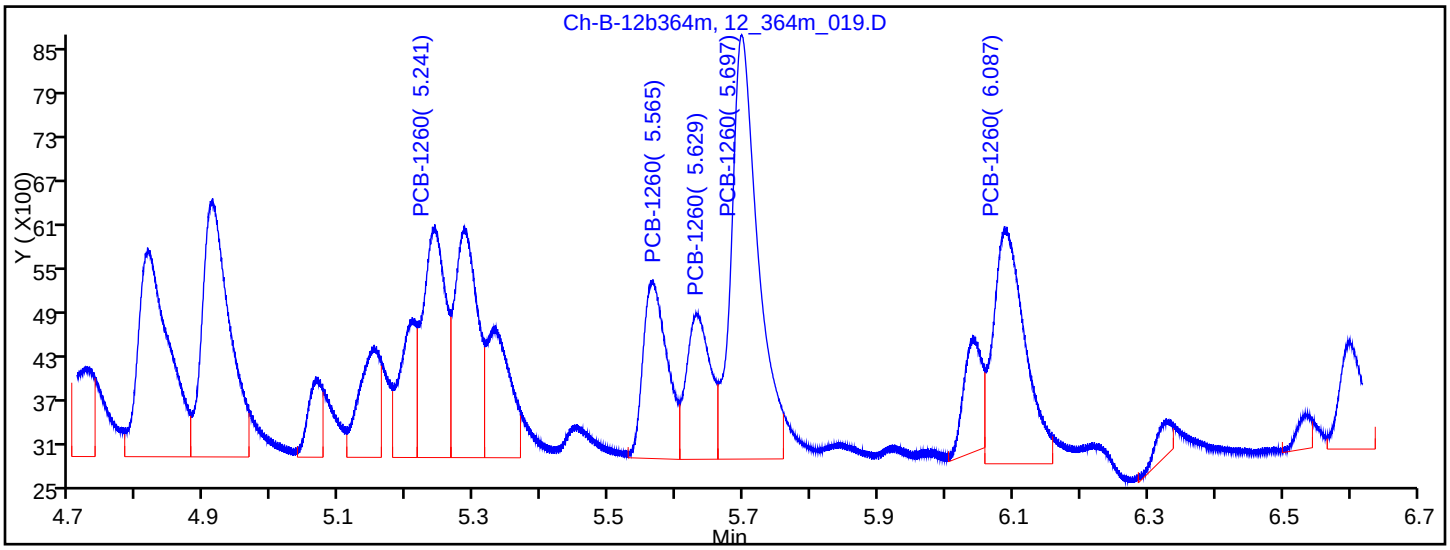
Injection Date:	04-May-2016 18:25:21	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.241	Response = 6220	M
RT = 5.565	Response = 5580	
RT = 5.629	Response = 4149	M
RT = 5.697	Response = 14550	M
RT = 6.087	Response = 9070	M



Manual Integration Results

RT = 5.241	Response = 7434	M
RT = 5.565	Response = 5580	
RT = 5.629	Response = 4967	M
RT = 5.697	Response = 15993	M
RT = 6.087	Response = 10636	M

Reviewer: sobolk, 04-May-2016 19:09:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

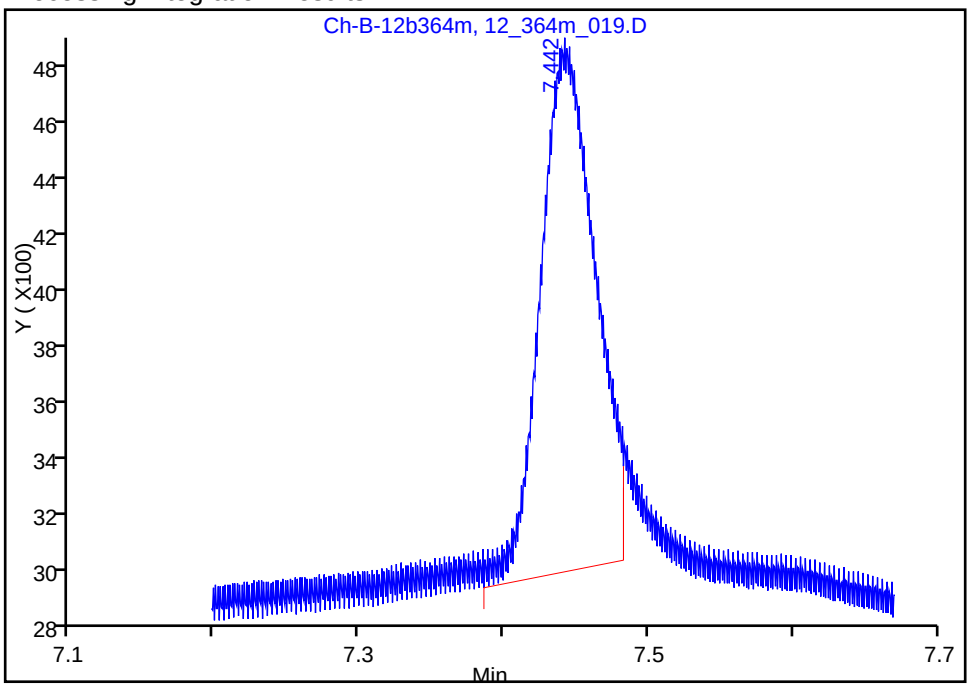
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_019.D
Injection Date: 04-May-2016 18:25:21 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

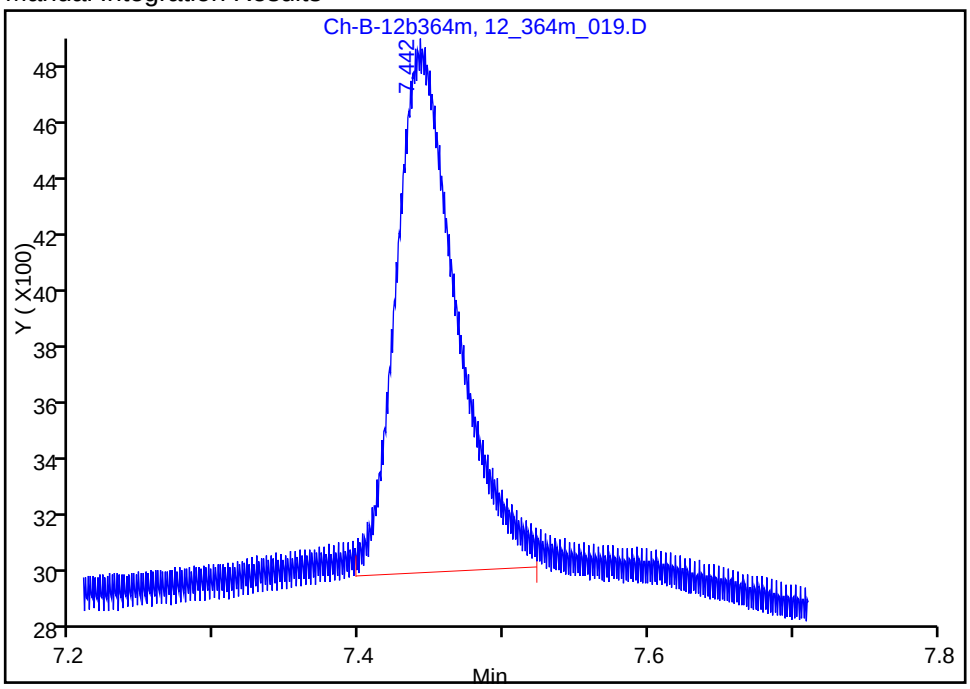
Processing Integration Results

RT: 7.44
Area: 4689
Amount: 0.001329
Amount Units: ng/uL



Manual Integration Results

RT: 7.44
Area: 5266
Amount: 0.001369
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:09:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-May-2016 18:40:41 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:32:52 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 19:14:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1428091	0.5000	0.5000	
2	1.694	1.694	0.000	1134052	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.723	1.723	0.000	1897	0.000500	0.000579	M
2	2.295	2.295	0.000	982	0.000500	0.000509	M
						RPD = 12.97	
9 PCB-1016							M
1	1.901	1.901	0.000	2089	0.0200	0.0229	M
1	2.239	2.239	0.000	1688	0.0200	0.0174	M
1	2.391	2.391	0.000	5179	0.0200	0.0190	M
1	2.459	2.459	0.000	2510	0.0200	0.0213	M
1	2.501	2.501	0.000	1267	0.0200	0.0165	M
		Average of Peak Amounts =				0.0194	
2	2.714	2.714	0.000	1423	0.0200	0.0235	M
2	3.038	3.038	0.000	2571	0.0200	0.0215	M
2	3.250	3.250	0.000	1268	0.0200	0.0186	M
2	3.347	3.347	0.000	3969	0.0200	0.0197	M
2	3.469	3.469	0.000	1512	0.0200	0.0180	M
		Average of Peak Amounts =				0.0202	
						RPD = 3.96	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.025	4.025	0.000	4236	0.0200	0.0165	
1	4.150	4.150	0.000	2994	0.0200	0.0206	M
1	4.329	4.329	0.000	2255	0.0200	0.0175	
1	4.522	4.522	0.000	8227	0.0200	0.0210	M
1	4.749	4.749	0.000	3419	0.0200	0.0204	
		Average of Peak Amounts =				0.0192	
2	5.241	5.241	0.000	2930	0.0200	0.0209	M
2	5.564	5.564	0.000	1824	0.0200	0.0167	M
2	5.627	5.627	0.000	2016	0.0200	0.0217	M
2	5.696	5.696	0.000	5952	0.0200	0.0190	M
2	6.089	6.089	0.000	4661	0.0200	0.0225	M
		Average of Peak Amounts =				0.0202	
						RPD = 4.92	
$ 15 DCB Decachlorobiphenyl							M
1	5.723	5.723	0.000	2654	0.000500	0.000543	M
2	7.437	7.437	0.000	1904	0.000500	0.000502	M
						RPD = 7.82	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00003 Amount Added: 0.25 Units: mL

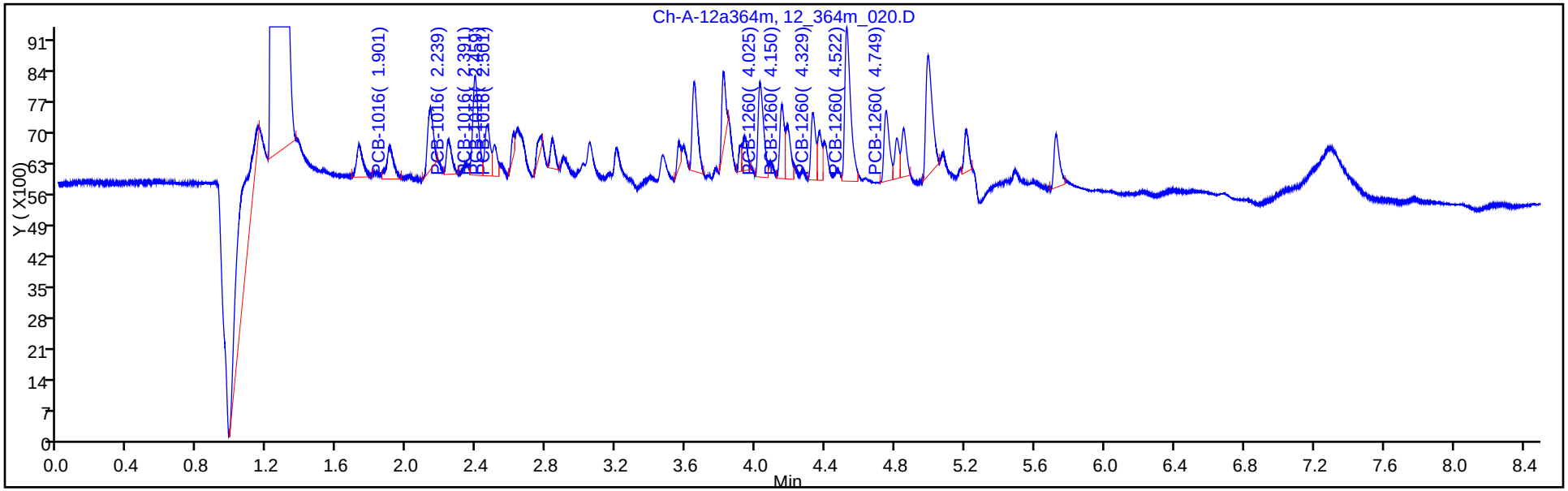
Report Date: 05-May-2016 16:32:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

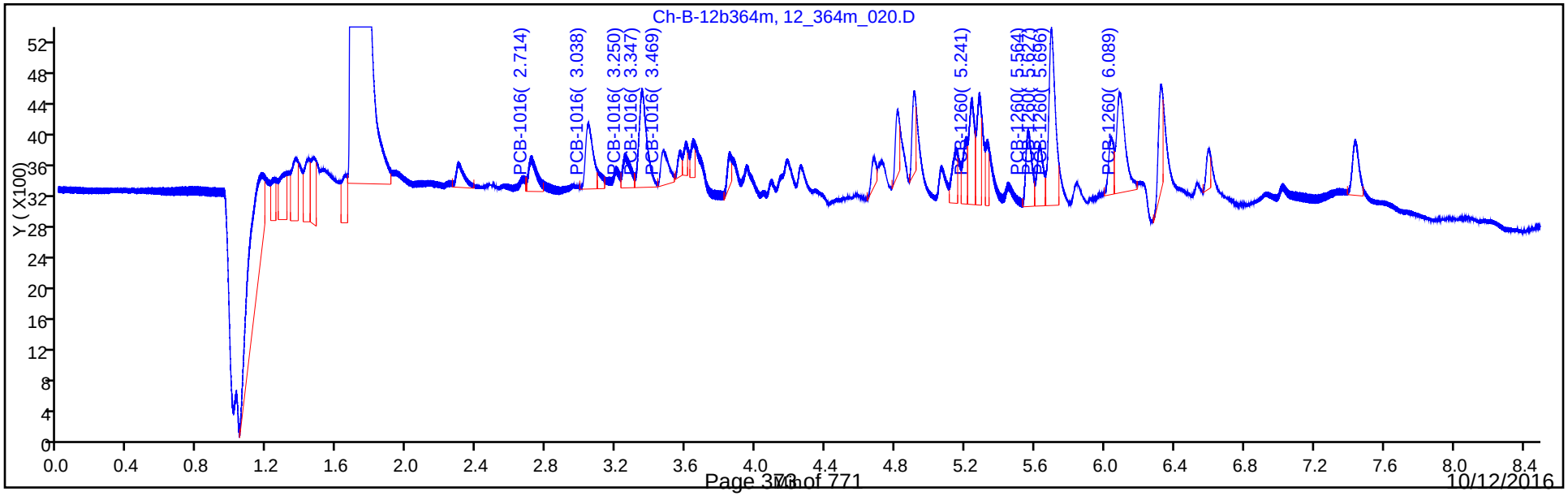
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date:	04-May-2016 18:40:41	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

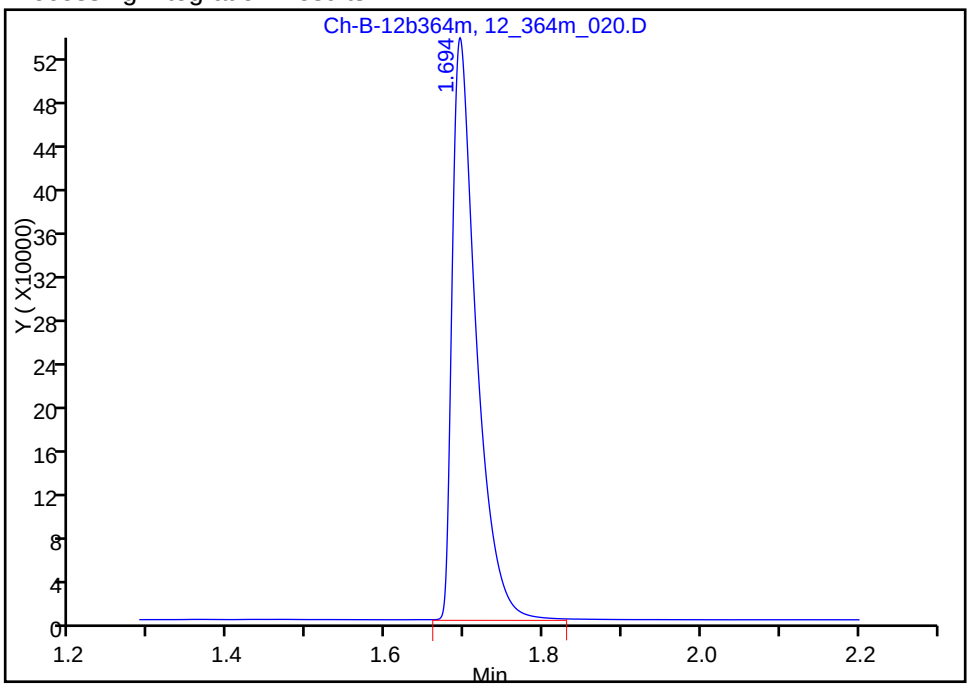
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

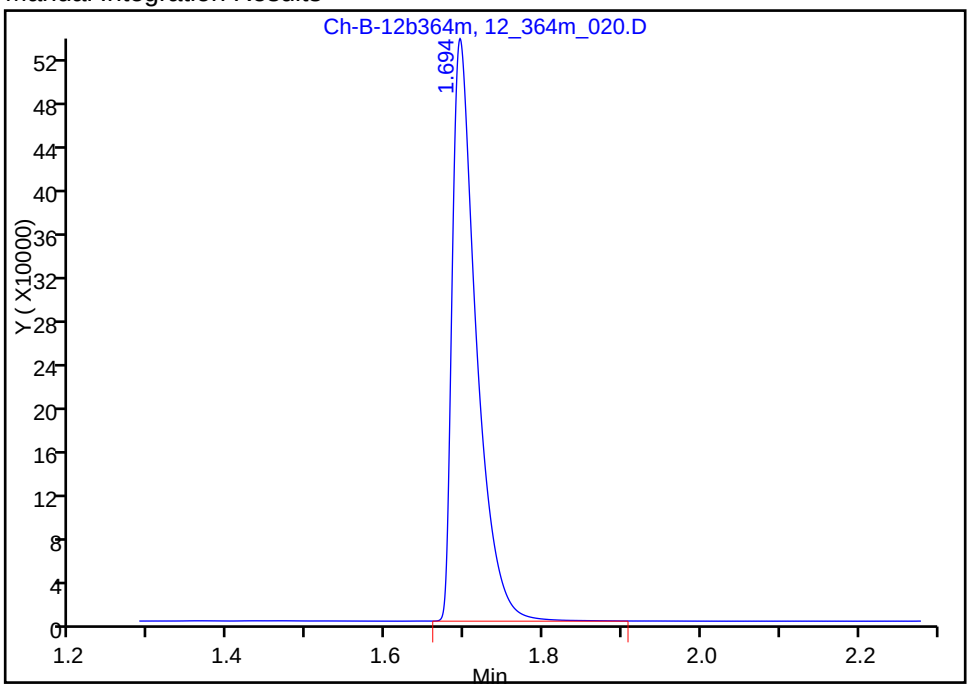
Processing Integration Results

RT: 1.69
Area: 1137596
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 1134052
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:16:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

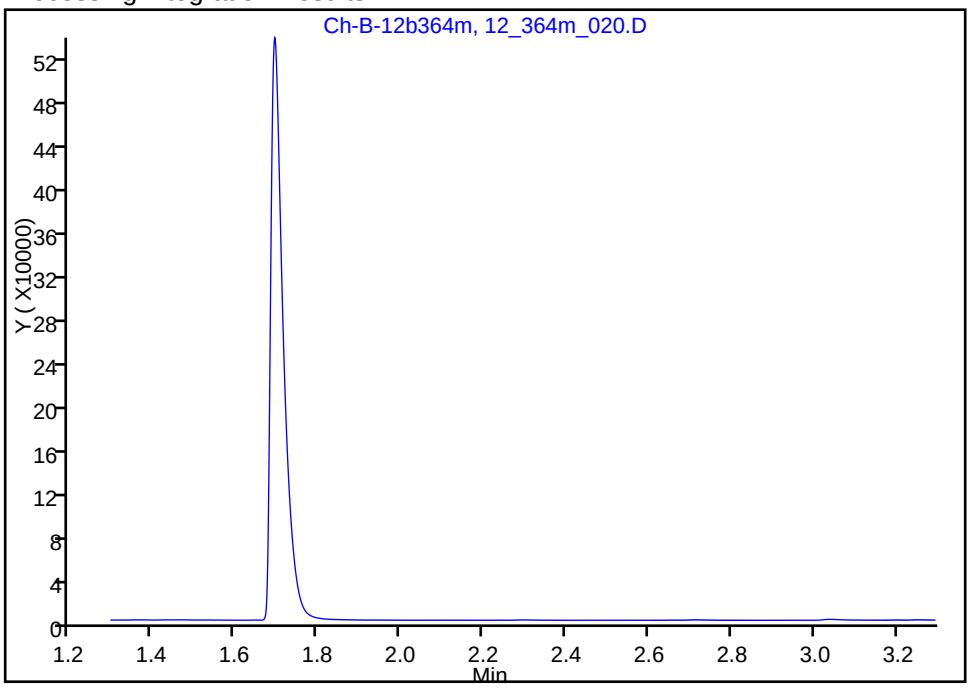
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

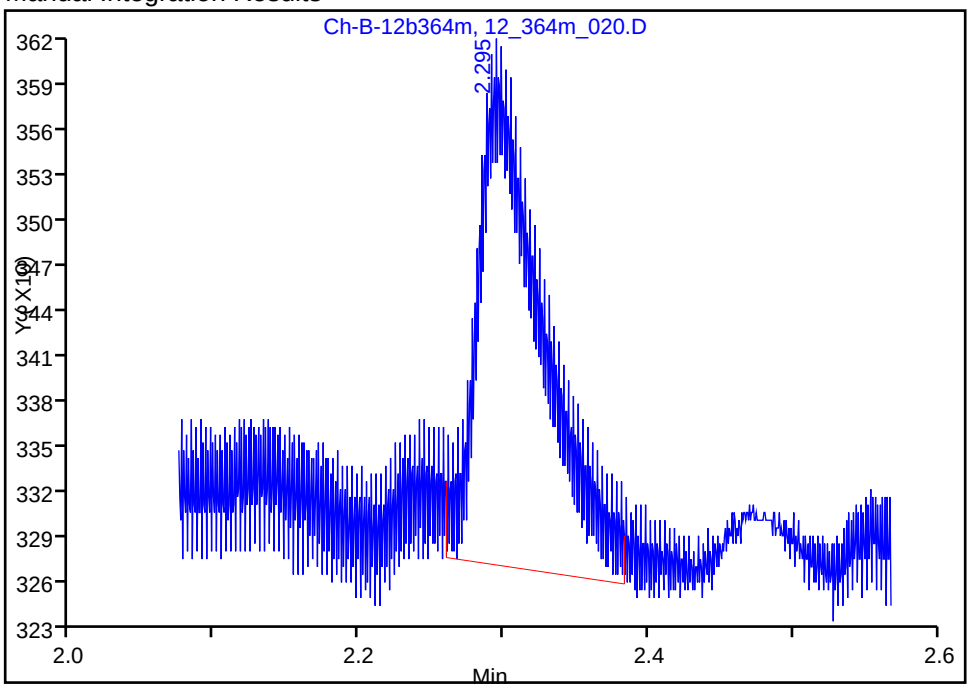
Processing Integration Results

RT: 2.30
Area: 0
Amount: 0.000678
Amount Units: ng/uL



Manual Integration Results

RT: 2.29
Area: 982
Amount: 0.000509
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:23:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:32:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

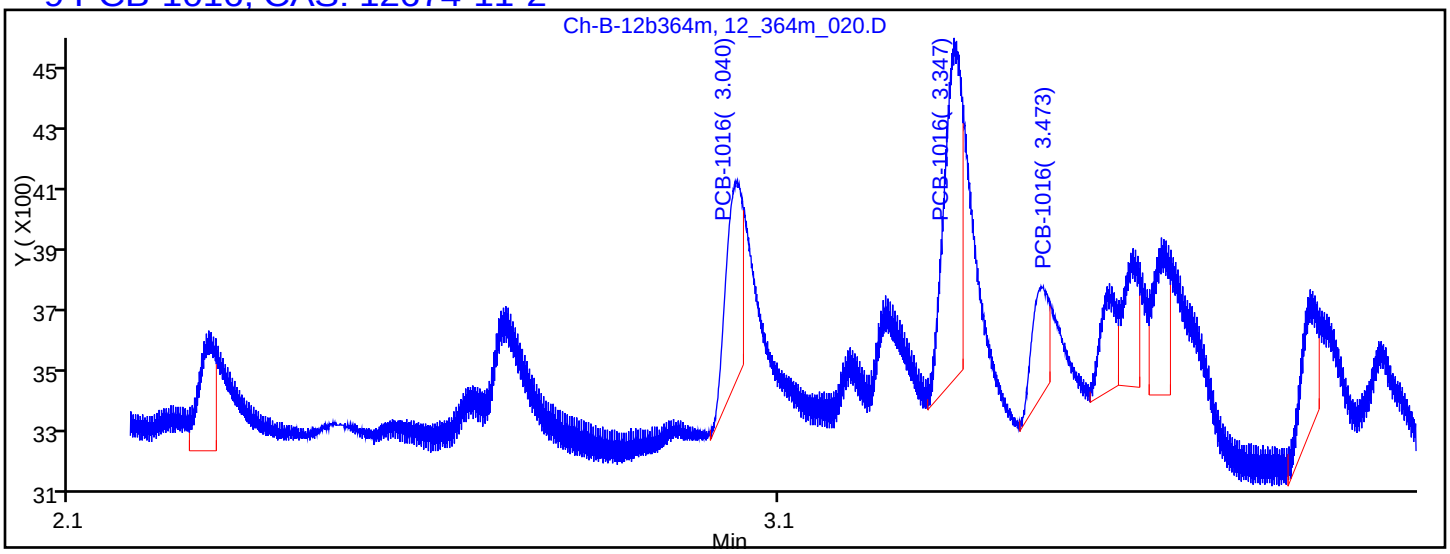
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

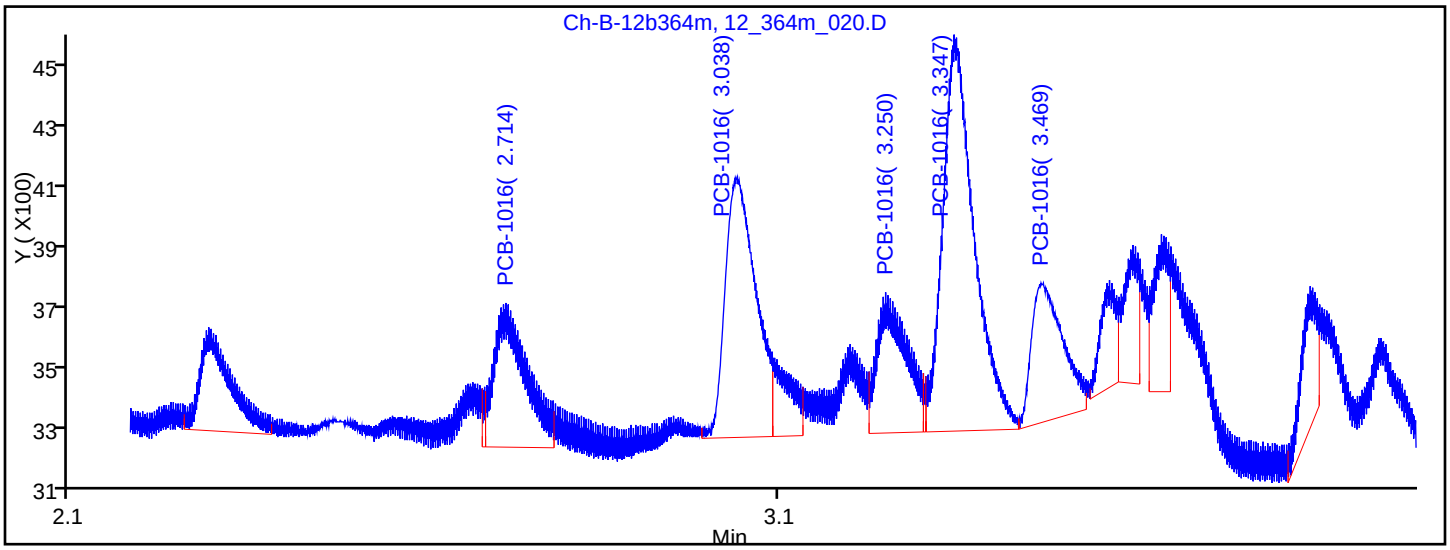
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 3.040	Response = 1059	M
RT = 0.000	Response = 0	M
RT = 3.347	Response = 1883	M
RT = 3.473	Response = 589	M



Manual Integration Results

RT = 2.714	Response = 1423	M
RT = 3.038	Response = 2571	M
RT = 3.250	Response = 1268	M
RT = 3.347	Response = 3969	M
RT = 3.469	Response = 1512	M

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

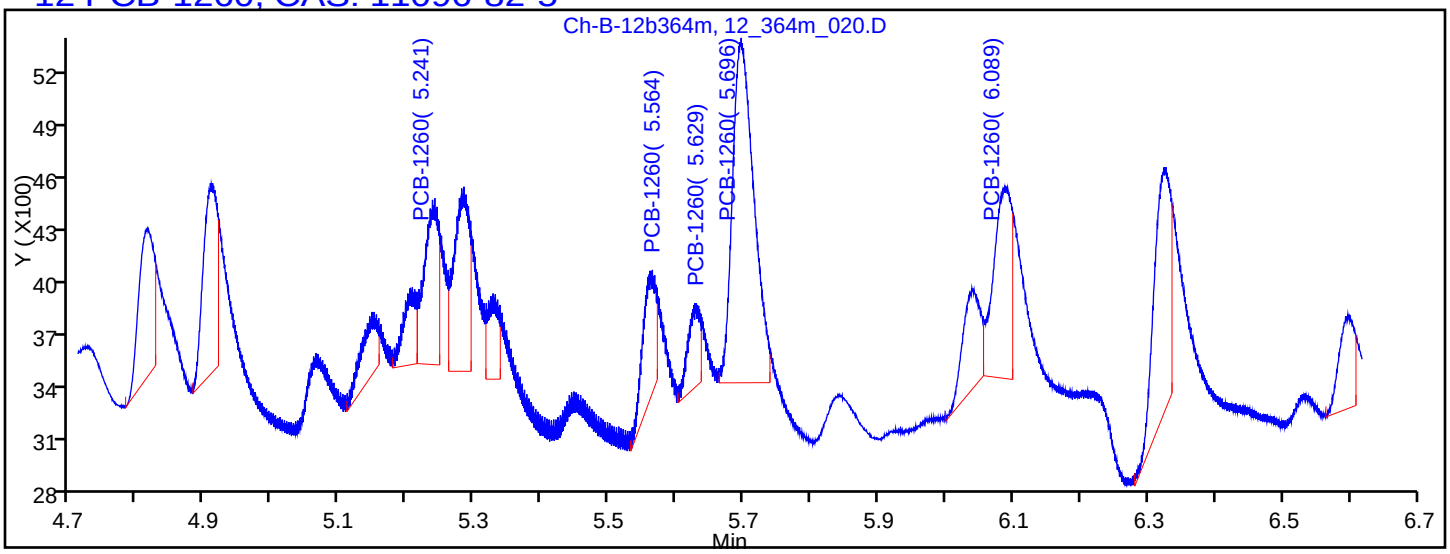
Report Date: 05-May-2016 16:32:53 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D

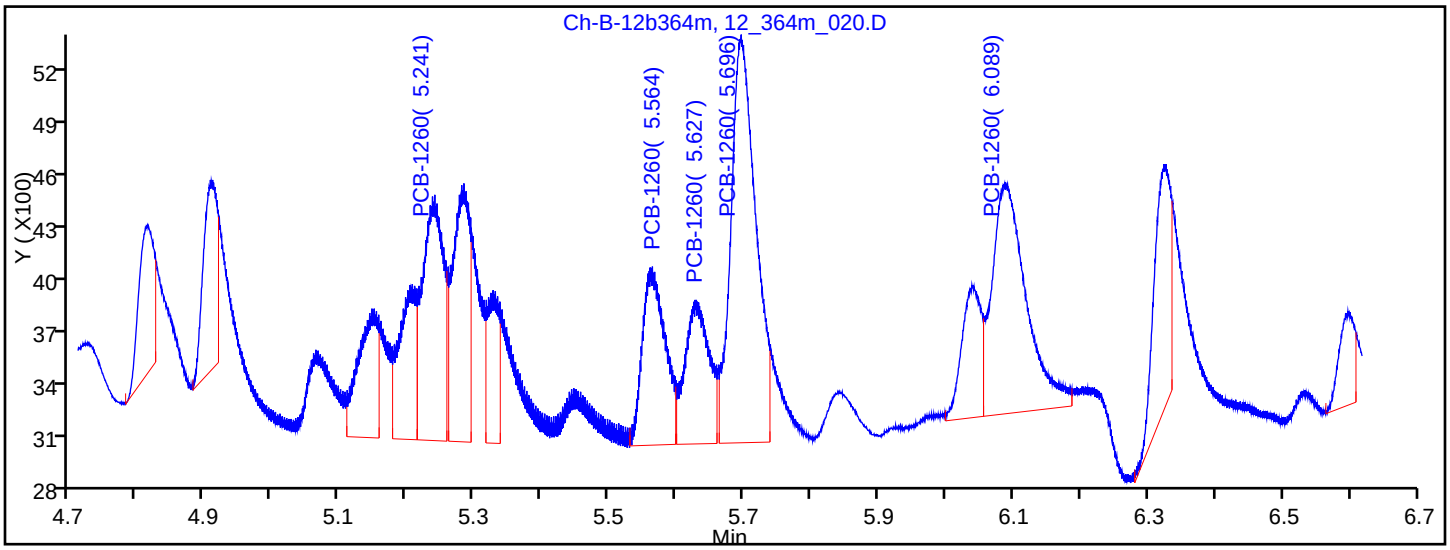
Injection Date:	04-May-2016 18:40:41	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.241	Response = 1343	M
RT = 5.564	Response = 983	M
RT = 5.629	Response = 583	M
RT = 5.696	Response = 4321	M
RT = 6.089	Response = 2005	M



Manual Integration Results

RT = 5.241	Response = 2930	M
RT = 5.564	Response = 1824	M
RT = 5.627	Response = 2016	M
RT = 5.696	Response = 5952	M
RT = 6.089	Response = 4661	M

Reviewer: sobolk, 04-May-2016 19:14:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

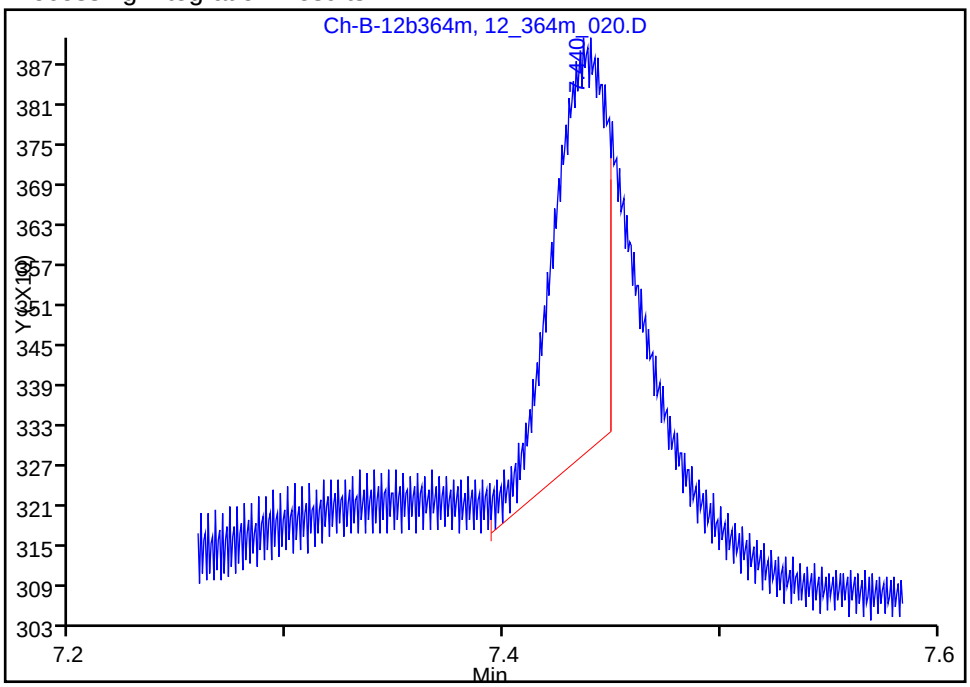
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_020.D
Injection Date: 04-May-2016 18:40:41 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

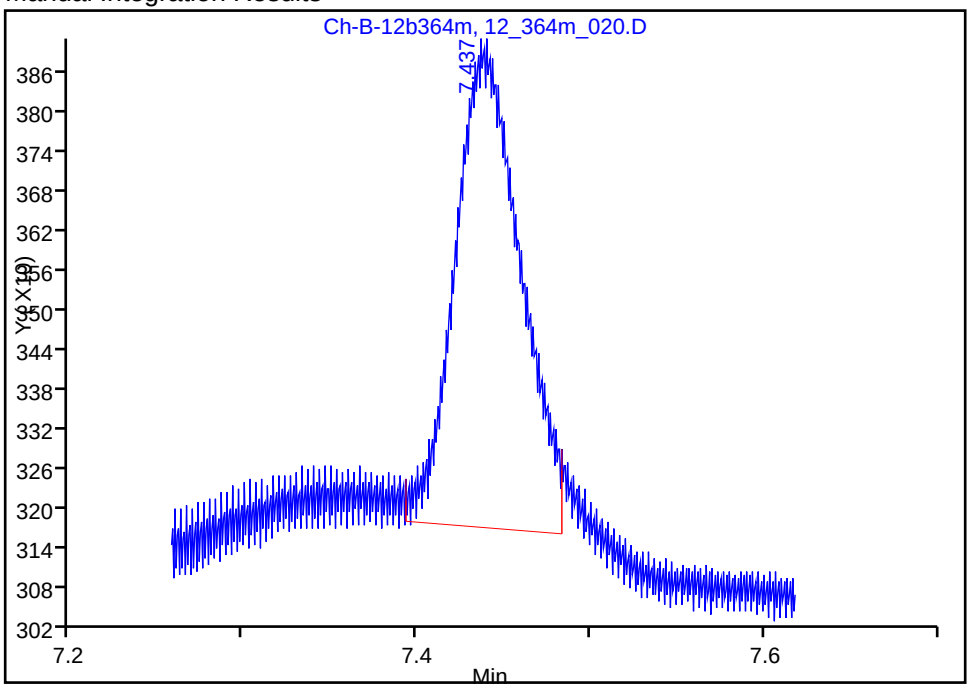
Processing Integration Results

RT: 7.44
Area: 1035
Amount: 0.000291
Amount Units: ng/uL



Manual Integration Results

RT: 7.44
Area: 1904
Amount: 0.000502
Amount Units: ng/uL



Reviewer: sobolk, 04-May-2016 19:14:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0143					Ave		0.0143						20.0			
PCB-1221 Peak 2	0.0109					Ave		0.0109						20.0			
PCB-1221 Peak 3	0.0467					Ave		0.0467						20.0			
PCB-1254 Peak 1	0.0709					Ave		0.0709						20.0			
PCB-1254 Peak 2	0.0949					Ave		0.0949						20.0			
PCB-1254 Peak 3	0.0966					Ave		0.0966						20.0			
PCB-1254 Peak 4	0.0632					Ave		0.0632						20.0			
PCB-1254 Peak 5	0.0890					Ave		0.0890						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	19720					0.500				
PCB-1221 Peak 2	BNB	Ave	15098					0.500				
PCB-1221 Peak 3	BNB	Ave	64589					0.500				
PCB-1254 Peak 1	BNB	Ave	98000					0.500				
PCB-1254 Peak 2	BNB	Ave	131264					0.500				
PCB-1254 Peak 3	BNB	Ave	133550					0.500				
PCB-1254 Peak 4	BNB	Ave	87359					0.500				
PCB-1254 Peak 5	BNB	Ave	122976					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:12:48 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:29 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 20:44:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1382519	0.5000	0.5000	
2	1.693	1.694	-0.001	1092864	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.474	1.474	0.000	19720	0.5000	0.5000	a
1	1.817	1.817	0.000	15098	0.5000	0.5000	a
1	1.899	1.899	0.000	64589	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	2.035	2.035	0.000	14825	0.5000	0.5000	M
2	2.554	2.554	0.000	13461	0.5000	0.5000	M
2	2.710	2.710	0.000	41249	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1254							M
1	3.199	3.199	0.000	98000	0.5000	0.5000	a
1	3.466	3.466	0.000	131264	0.5000	0.5000	a
1	3.647	3.647	0.000	133550	0.5000	0.5000	a
1	3.847	3.847	0.000	87359	0.5000	0.5000	a
1	4.023	4.023	0.000	122976	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	4.256	4.256	0.000	66290	0.5000	0.5000	M
2	4.574	4.574	0.000	39860	0.5000	0.5000	M
2	4.663	4.663	0.000	98600	0.5000	0.5000	M
2	4.786	4.786	0.000	108816	0.5000	0.5000	M
2	5.237	5.237	0.000	72505	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00003 Amount Added: 0.25 Units: mL

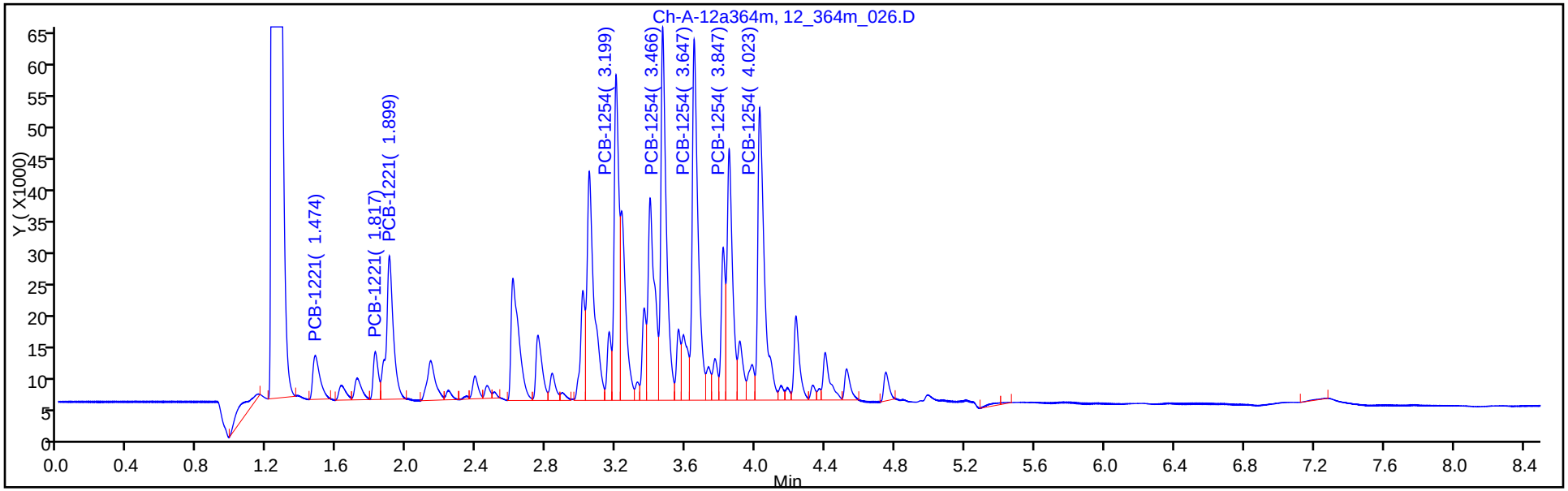
Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

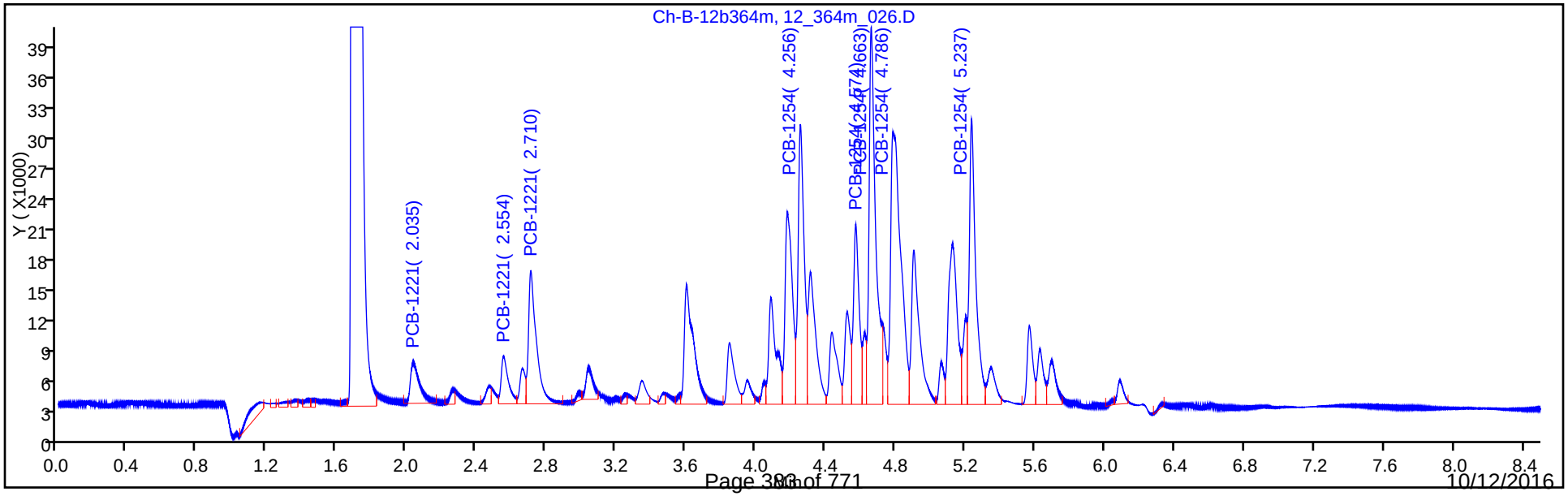
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date:	04-May-2016 20:12:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27375

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0136					Ave		0.0136						20.0			
PCB-1221 Peak 2	0.0123					Ave		0.0123						20.0			
PCB-1221 Peak 3	0.0377					Ave		0.0377						20.0			
PCB-1254 Peak 1	0.0607					Ave		0.0607						20.0			
PCB-1254 Peak 2	0.0365					Ave		0.0365						20.0			
PCB-1254 Peak 3	0.0902					Ave		0.0902						20.0			
PCB-1254 Peak 4	0.0996					Ave		0.0996						20.0			
PCB-1254 Peak 5	0.0663					Ave		0.0663						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:12 Calibration End Date: 05/04/2016 20:12 Calibration ID: 27375

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/15	12_364m_026.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	14825					0.500				
PCB-1221 Peak 2	BNB	Ave	13461					0.500				
PCB-1221 Peak 3	BNB	Ave	41249					0.500				
PCB-1254 Peak 1	BNB	Ave	66290					0.500				
PCB-1254 Peak 2	BNB	Ave	39860					0.500				
PCB-1254 Peak 3	BNB	Ave	98600					0.500				
PCB-1254 Peak 4	BNB	Ave	108816					0.500				
PCB-1254 Peak 5	BNB	Ave	72505					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:12:48 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:29 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 04-May-2016 20:44:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1382519	0.5000	0.5000	
2	1.693	1.694	-0.001	1092864	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.474	1.474	0.000	19720	0.5000	0.5000	a
1	1.817	1.817	0.000	15098	0.5000	0.5000	a
1	1.899	1.899	0.000	64589	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	2.035	2.035	0.000	14825	0.5000	0.5000	M
2	2.554	2.554	0.000	13461	0.5000	0.5000	M
2	2.710	2.710	0.000	41249	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	
11 PCB-1254							M
1	3.199	3.199	0.000	98000	0.5000	0.5000	a
1	3.466	3.466	0.000	131264	0.5000	0.5000	a
1	3.647	3.647	0.000	133550	0.5000	0.5000	a
1	3.847	3.847	0.000	87359	0.5000	0.5000	a
1	4.023	4.023	0.000	122976	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	4.256	4.256	0.000	66290	0.5000	0.5000	M
2	4.574	4.574	0.000	39860	0.5000	0.5000	M
2	4.663	4.663	0.000	98600	0.5000	0.5000	M
2	4.786	4.786	0.000	108816	0.5000	0.5000	M
2	5.237	5.237	0.000	72505	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00003 Amount Added: 0.25 Units: mL

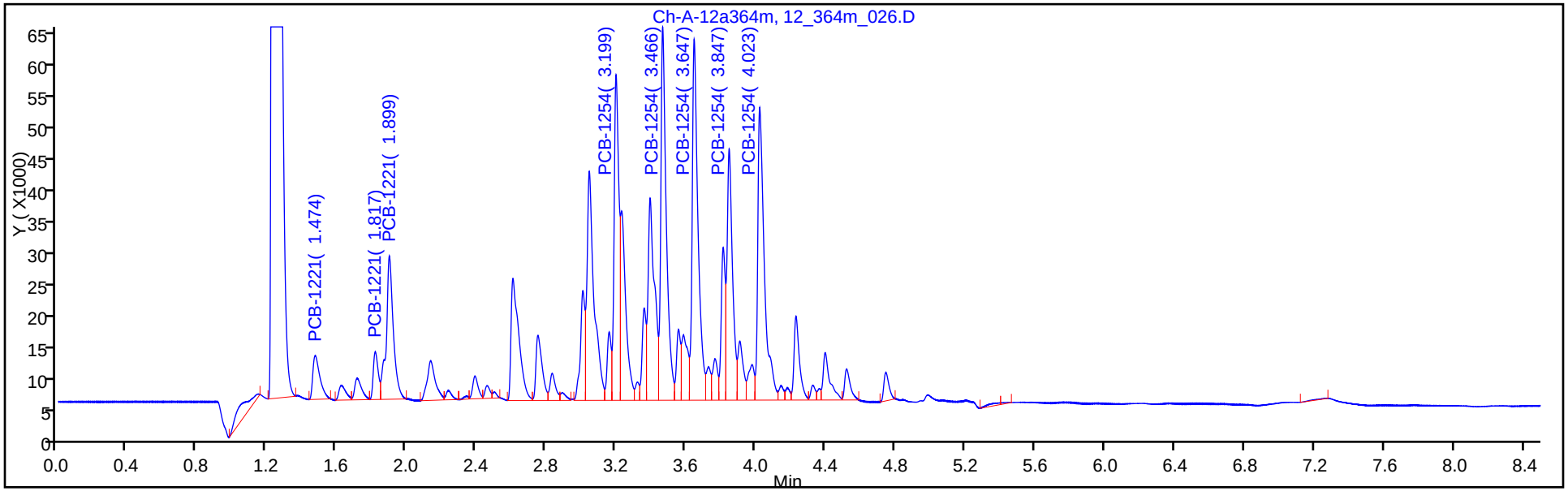
Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

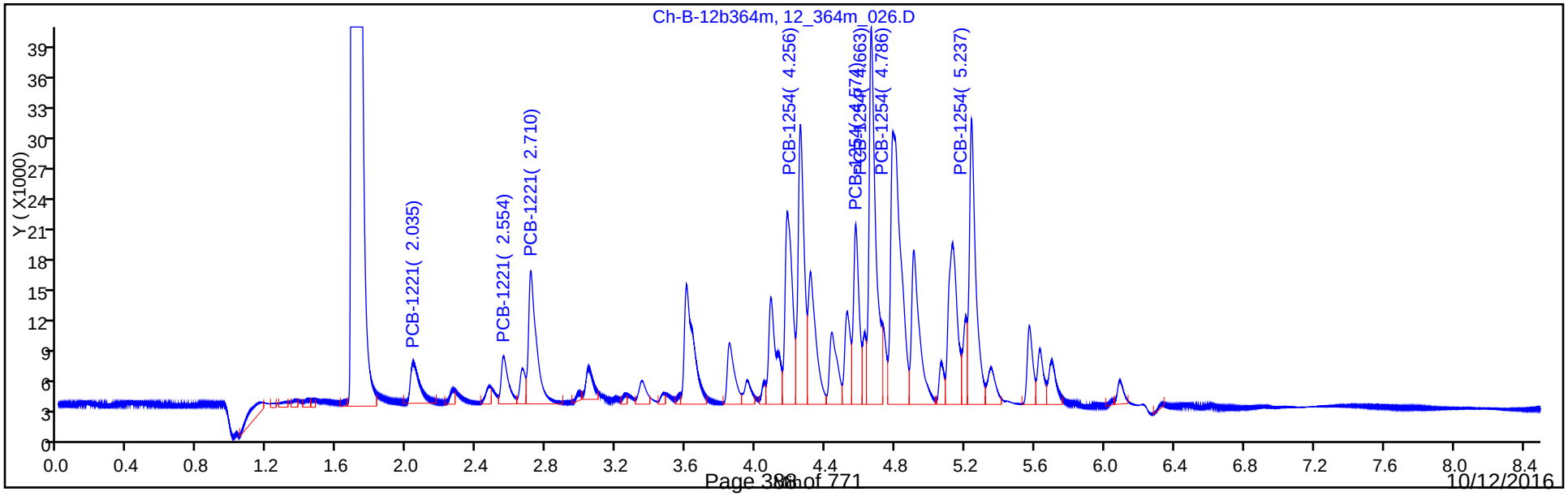
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date:	04-May-2016 20:12:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date: 04-May-2016 20:12:48 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

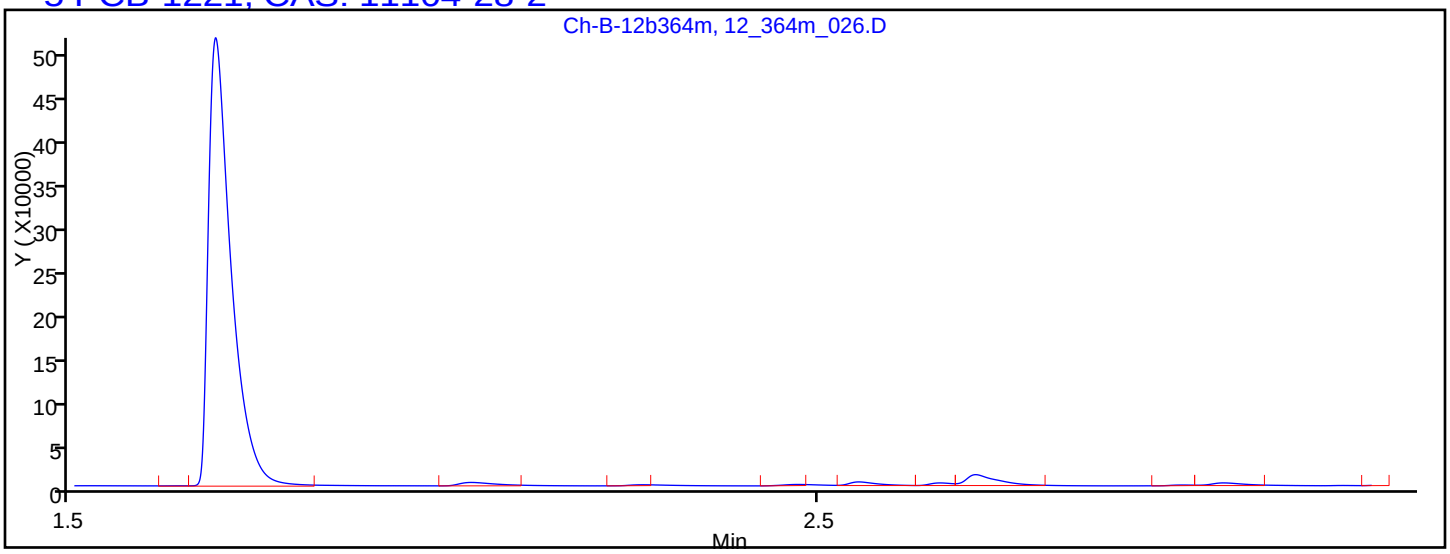
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

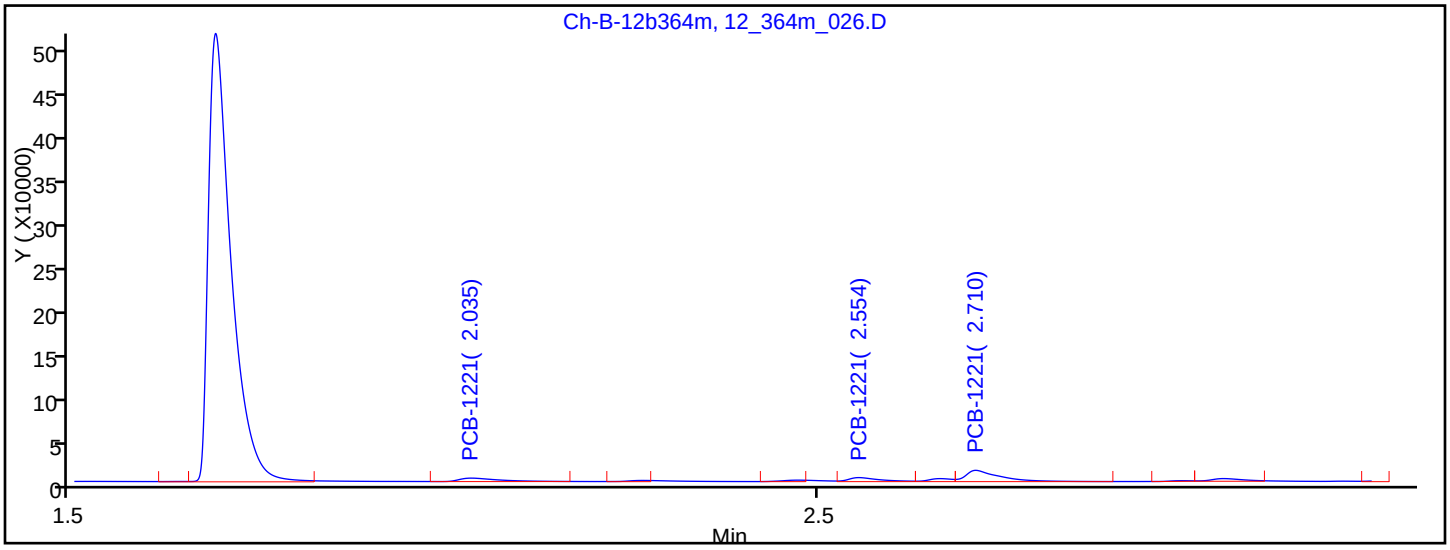
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

RT = 2.035	Response = 14825	M
RT = 2.554	Response = 13461	M
RT = 2.710	Response = 41249	M

Reviewer: sobolk, 04-May-2016 20:44:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

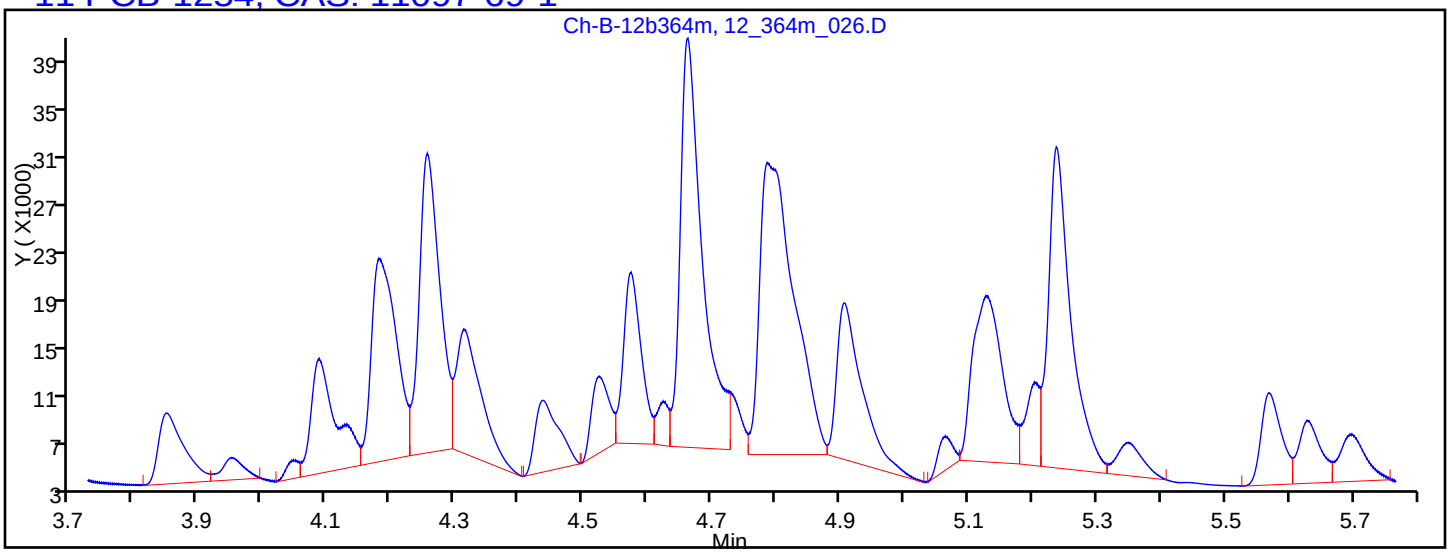
Report Date: 05-May-2016 16:31:30 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

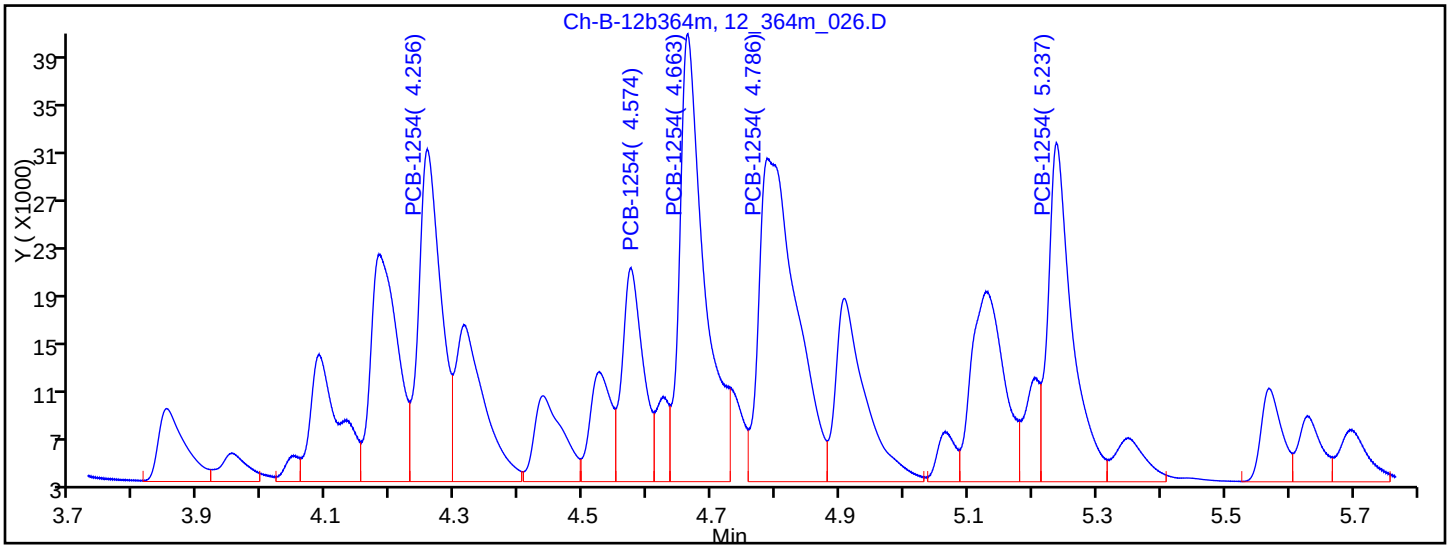
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_026.D

Injection Date:	04-May-2016 20:12:48	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results



Manual Integration Results

RT = 4.256	Response = 66290	M
RT = 4.574	Response = 39860	M
RT = 4.663	Response = 98600	M
RT = 4.786	Response = 108816	M
RT = 5.237	Response = 72505	M

Reviewer: sobolk, 04-May-2016 20:44:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0396					Ave		0.0396						20.0			
PCB-1232 Peak 2	0.0324					Ave		0.0324						20.0			
PCB-1232 Peak 3	0.0160					Ave		0.0160						20.0			
PCB-1232 Peak 4	0.0419					Ave		0.0419						20.0			
PCB-1232 Peak 5	0.0185					Ave		0.0185						20.0			
PCB-1262 Peak 1	0.0725					Ave		0.0725						20.0			
PCB-1262 Peak 2	0.0564					Ave		0.0564						20.0			
PCB-1262 Peak 3	0.1547					Ave		0.1547						20.0			
PCB-1262 Peak 4	0.0509					Ave		0.0509						20.0			
PCB-1262 Peak 5	0.0862					Ave		0.0862						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	53990					0.500				
PCB-1232 Peak 2	BNB	Ave	44173					0.500				
PCB-1232 Peak 3	BNB	Ave	21833					0.500				
PCB-1232 Peak 4	BNB	Ave	57196					0.500				
PCB-1232 Peak 5	BNB	Ave	25246					0.500				
PCB-1262 Peak 1	BNB	Ave	98875					0.500				
PCB-1262 Peak 2	BNB	Ave	76916					0.500				
PCB-1262 Peak 3	BNB	Ave	211072					0.500				
PCB-1262 Peak 4	BNB	Ave	69405					0.500				
PCB-1262 Peak 5	BNB	Ave	117546					0.500				

Curve Type Legend:

Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:43:30 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:28:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1364319	0.5000	0.5000	
2	1.694	1.694	0.000	1087076	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	1.899	1.899	0.000	53990	0.5000	0.5000	M
1	2.132	2.132	0.000	44173	0.5000	0.5000	a
1	2.237	2.237	0.000	21833	0.5000	0.5000	M
1	2.389	2.389	0.000	57196	0.5000	0.5000	M
1	2.457	2.457	0.000	25246	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	2.711	2.711	0.000	33725	0.5000	0.5000	M
2	3.037	3.037	0.000	30626	0.5000	0.5000	M
2	3.346	3.346	0.000	43405	0.5000	0.5000	M
2	3.471	3.471	0.000	19442	0.5000	0.5000	M
2	3.851	3.851	0.000	20233	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.146	4.146	0.000	98875	0.5000	0.5000	M
1	4.325	4.325	0.000	76916	0.5000	0.5000	M
1	4.518	4.518	0.000	211072	0.5000	0.5000	M
1	4.807	4.807	0.000	69405	0.5000	0.5000	a
1	4.845	4.845	0.000	117546	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	5.281	5.281	0.000	79482	0.5000	0.5000	M
2	5.559	5.559	0.000	65911	0.5000	0.5000	M
2	5.692	5.692	0.000	163569	0.5000	0.5000	M
2	6.036	6.036	0.000	59194	0.5000	0.5000	M
2	6.083	6.083	0.000	122047	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00003 Amount Added: 0.25 Units: mL

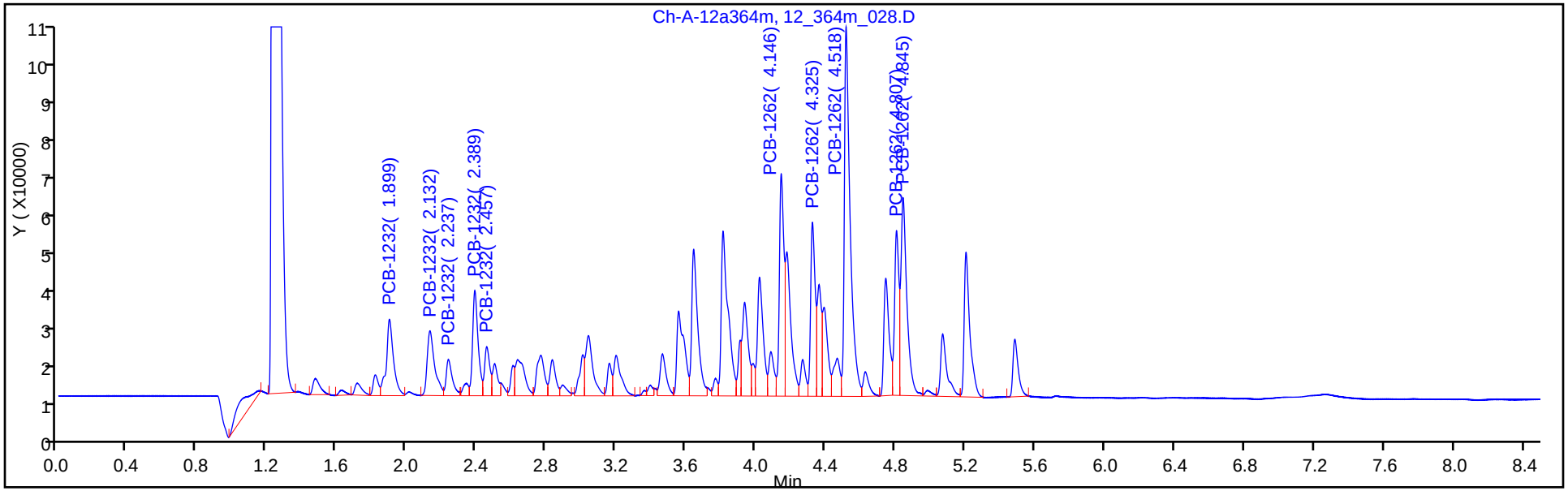
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

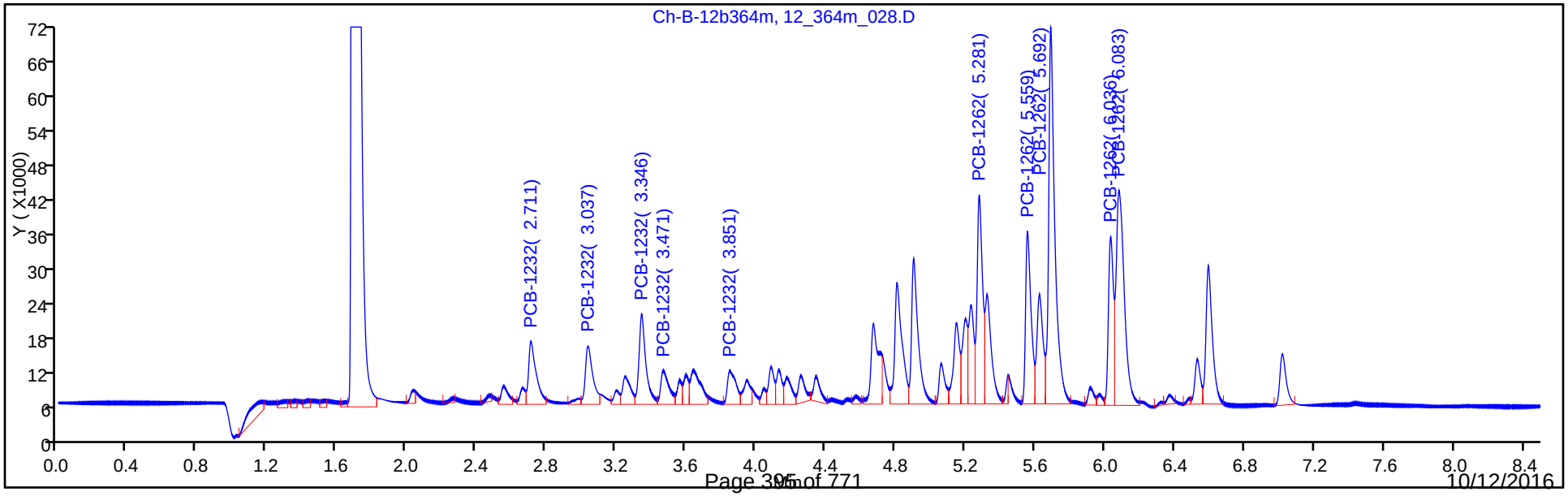
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



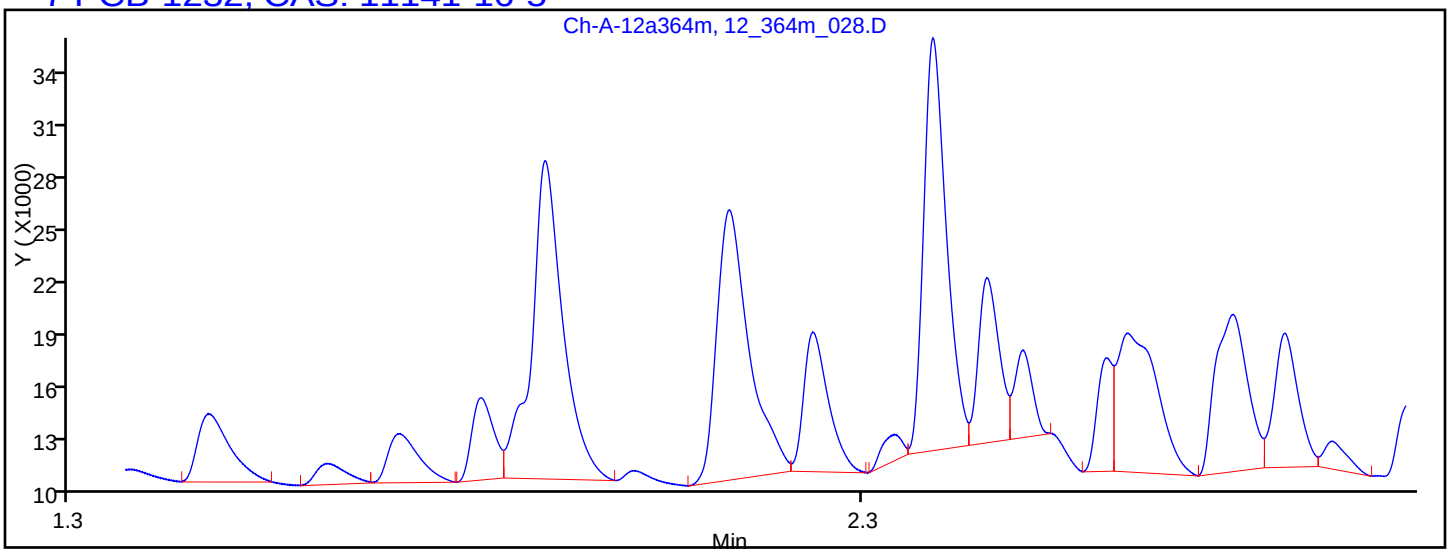
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

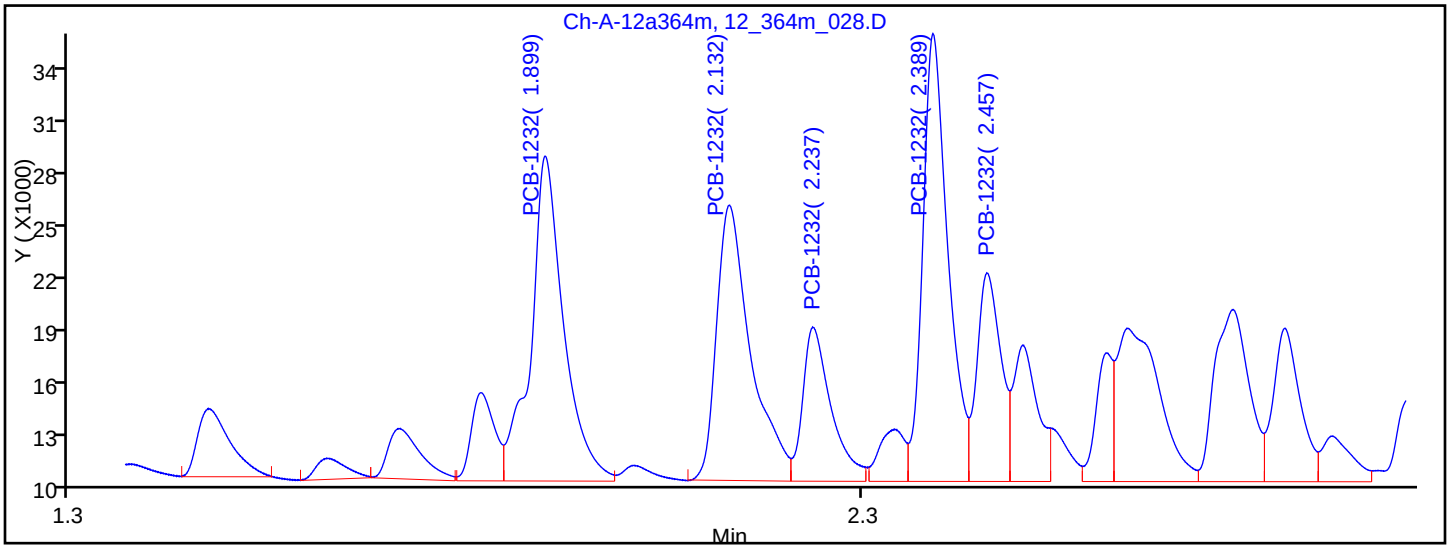
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results



Manual Integration Results

RT = 1.899	Response = 53990	M
RT = 2.132	Response = 44173	M
RT = 2.237	Response = 21833	M
RT = 2.389	Response = 57196	M
RT = 2.457	Response = 25246	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

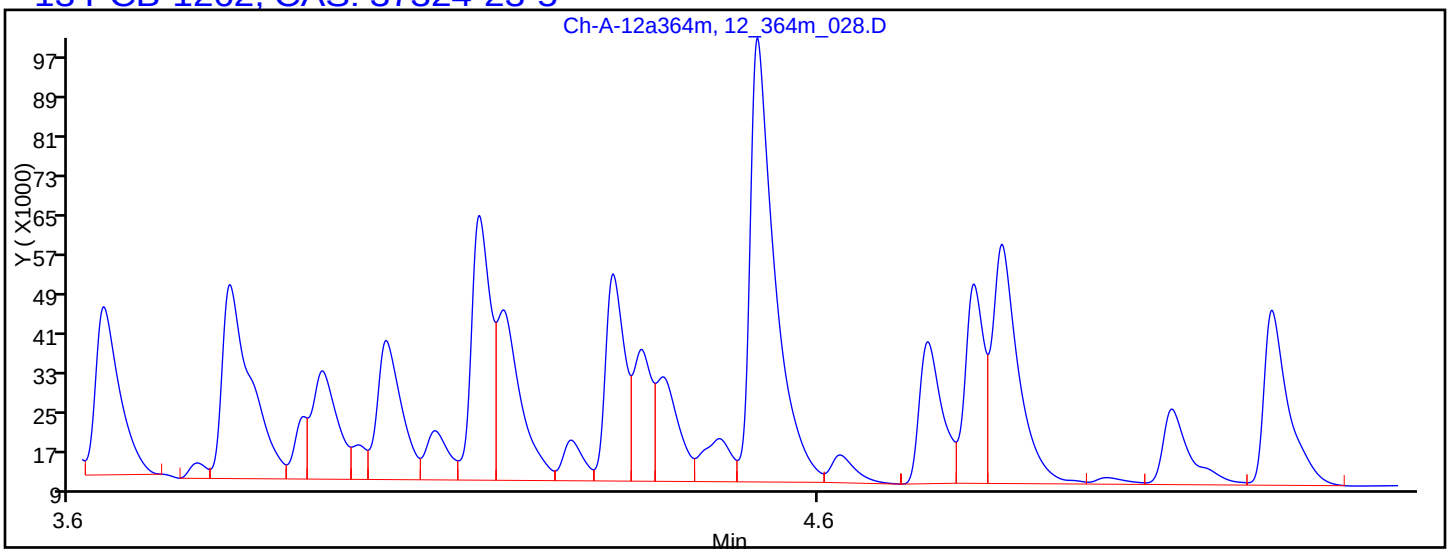
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

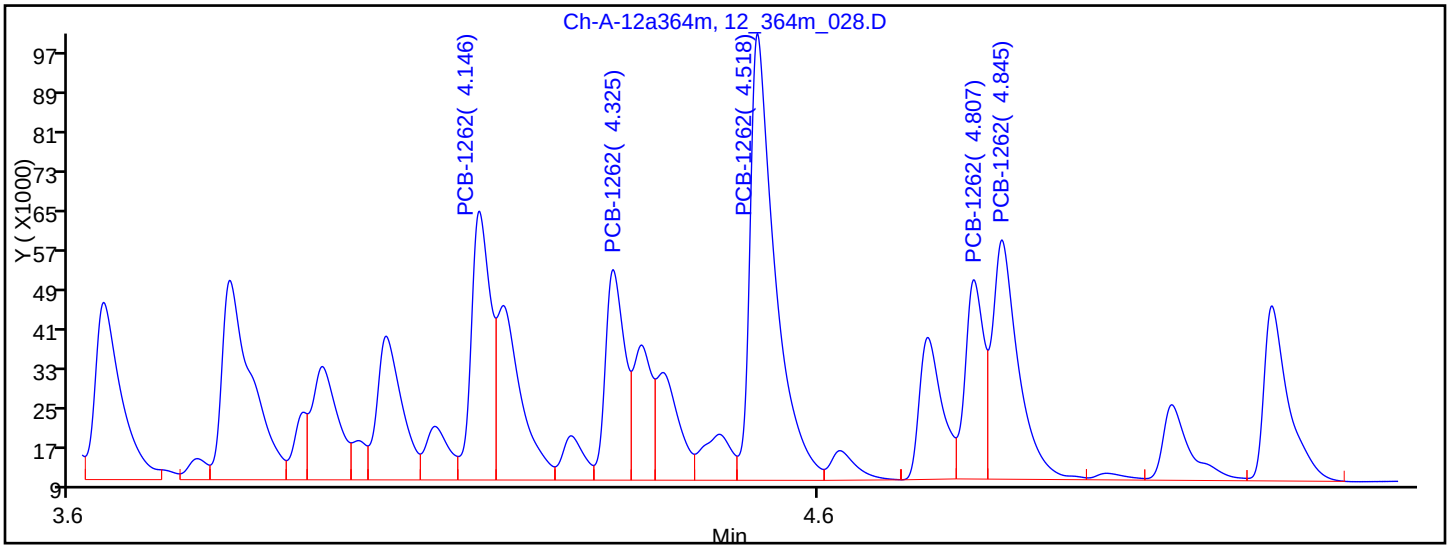
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results



Manual Integration Results

RT = 4.146	Response = 98875	M
RT = 4.325	Response = 76916	M
RT = 4.518	Response = 211072	M
RT = 4.807	Response = 69405	M
RT = 4.845	Response = 117546	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27381

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0310					Ave		0.0310						20.0			
PCB-1232 Peak 2	0.0282					Ave		0.0282						20.0			
PCB-1232 Peak 3	0.0399					Ave		0.0399						20.0			
PCB-1232 Peak 4	0.0179					Ave		0.0179						20.0			
PCB-1232 Peak 5	0.0186					Ave		0.0186						20.0			
PCB-1262 Peak 1	0.0731					Ave		0.0731						20.0			
PCB-1262 Peak 2	0.0606					Ave		0.0606						20.0			
PCB-1262 Peak 3	0.1505					Ave		0.1505						20.0			
PCB-1262 Peak 4	0.0545					Ave		0.0545						20.0			
PCB-1262 Peak 5	0.1123					Ave		0.1123						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 20:43 Calibration End Date: 05/04/2016 20:43 Calibration ID: 27381

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/19	12_364m_028.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	33725					0.500				
PCB-1232 Peak 2	BNB	Ave	30626					0.500				
PCB-1232 Peak 3	BNB	Ave	43405					0.500				
PCB-1232 Peak 4	BNB	Ave	19442					0.500				
PCB-1232 Peak 5	BNB	Ave	20233					0.500				
PCB-1262 Peak 1	BNB	Ave	79482					0.500				
PCB-1262 Peak 2	BNB	Ave	65911					0.500				
PCB-1262 Peak 3	BNB	Ave	163569					0.500				
PCB-1262 Peak 4	BNB	Ave	59194					0.500				
PCB-1262 Peak 5	BNB	Ave	122047					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 20:43:30 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:31:44 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:28:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1364319	0.5000	0.5000	
2	1.694	1.694	0.000	1087076	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	1.899	1.899	0.000	53990	0.5000	0.5000	M
1	2.132	2.132	0.000	44173	0.5000	0.5000	a
1	2.237	2.237	0.000	21833	0.5000	0.5000	M
1	2.389	2.389	0.000	57196	0.5000	0.5000	M
1	2.457	2.457	0.000	25246	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	2.711	2.711	0.000	33725	0.5000	0.5000	M
2	3.037	3.037	0.000	30626	0.5000	0.5000	M
2	3.346	3.346	0.000	43405	0.5000	0.5000	M
2	3.471	3.471	0.000	19442	0.5000	0.5000	M
2	3.851	3.851	0.000	20233	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13	PCB-1262						M
1	4.146	4.146	0.000	98875	0.5000	0.5000	M
1	4.325	4.325	0.000	76916	0.5000	0.5000	M
1	4.518	4.518	0.000	211072	0.5000	0.5000	M
1	4.807	4.807	0.000	69405	0.5000	0.5000	a
1	4.845	4.845	0.000	117546	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	5.281	5.281	0.000	79482	0.5000	0.5000	M
2	5.559	5.559	0.000	65911	0.5000	0.5000	M
2	5.692	5.692	0.000	163569	0.5000	0.5000	M
2	6.036	6.036	0.000	59194	0.5000	0.5000	M
2	6.083	6.083	0.000	122047	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00003 Amount Added: 0.25 Units: mL

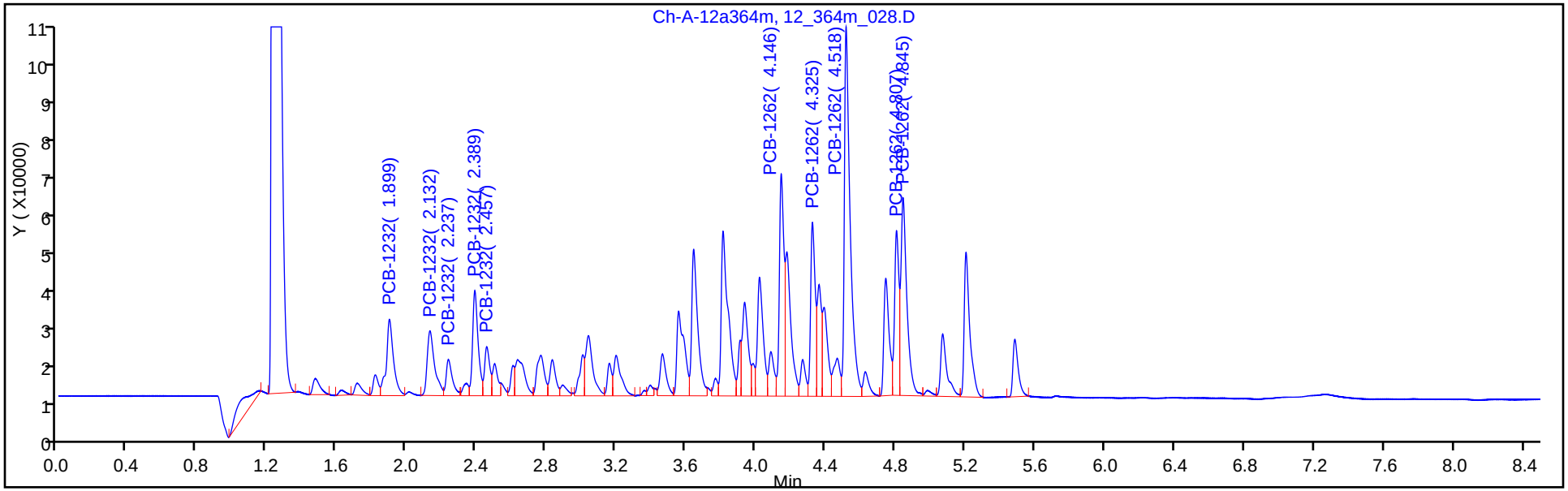
Report Date: 05-May-2016 16:31:44 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

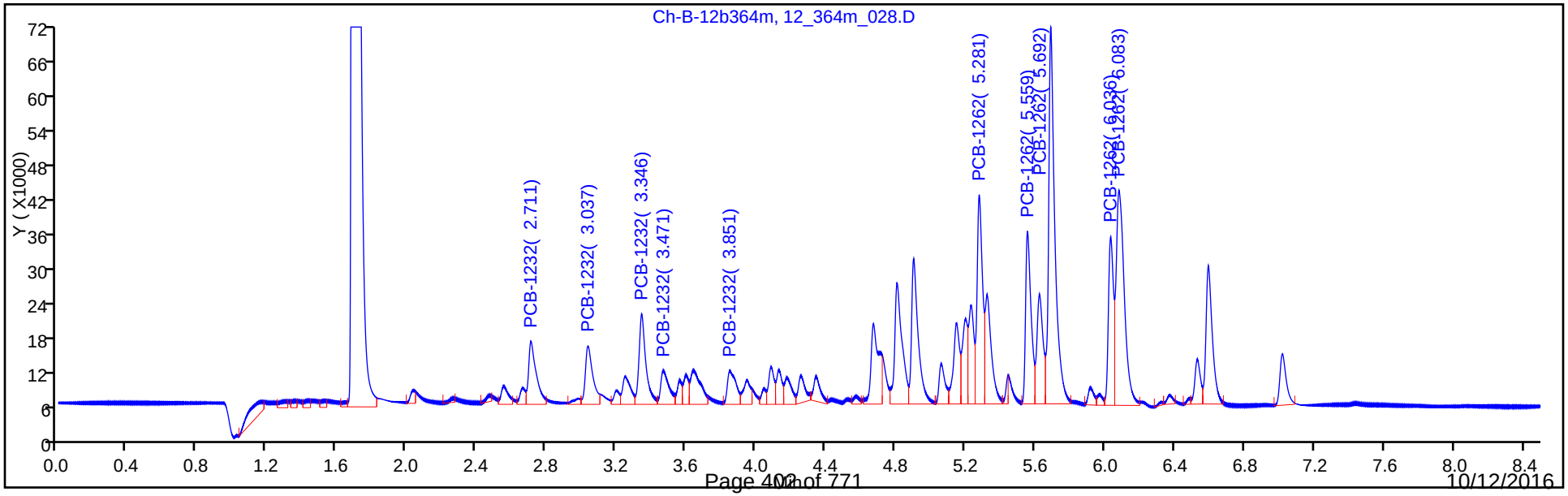
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date:	04-May-2016 20:43:30	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:31:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date: 04-May-2016 20:43:30 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

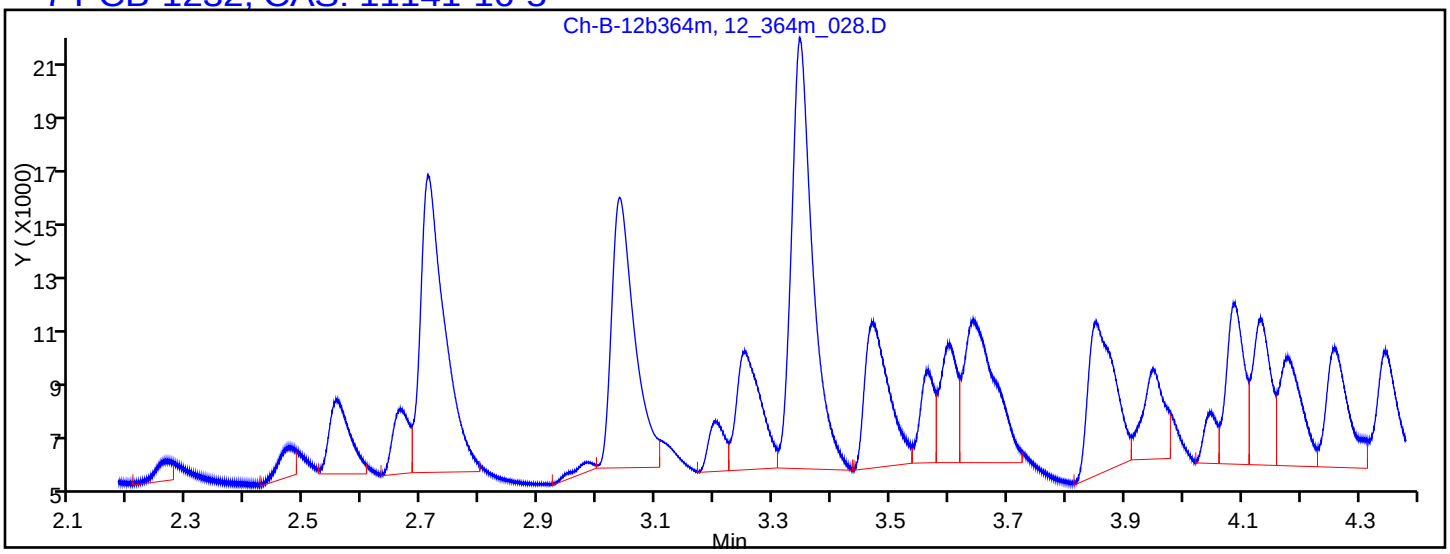
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

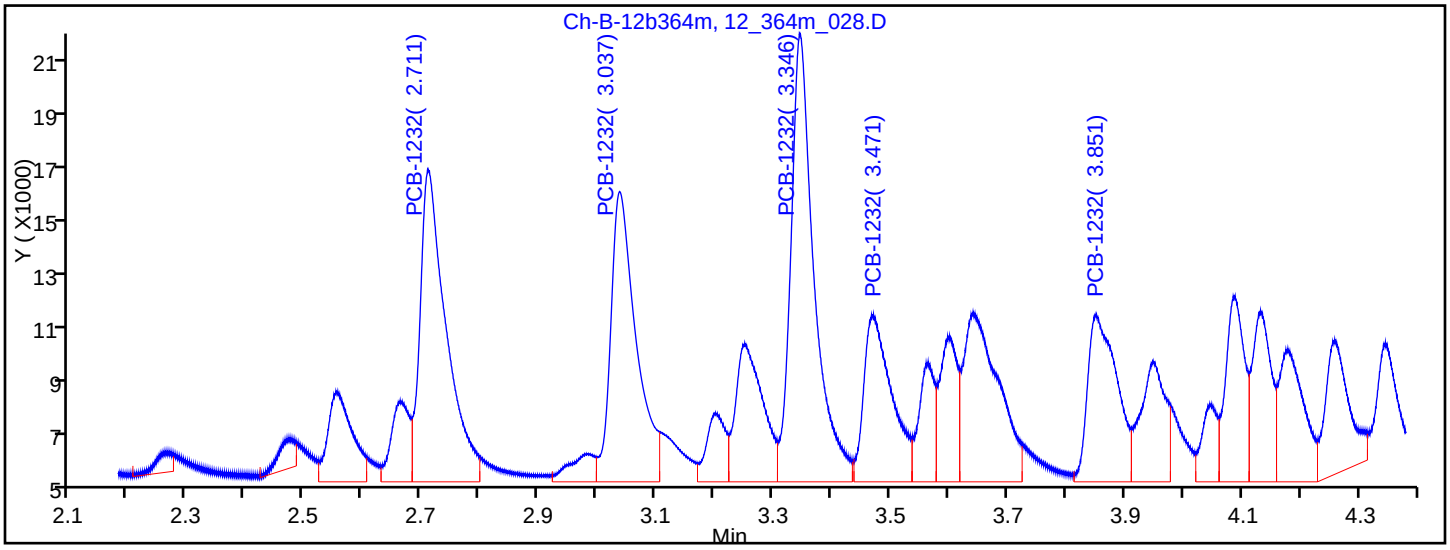
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results



Manual Integration Results

RT = 2.711	Response = 33725	M
RT = 3.037	Response = 30626	M
RT = 3.346	Response = 43405	M
RT = 3.471	Response = 19442	M
RT = 3.851	Response = 20233	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 05-May-2016 16:31:45 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_028.D

Injection Date: 04-May-2016 20:43:30 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

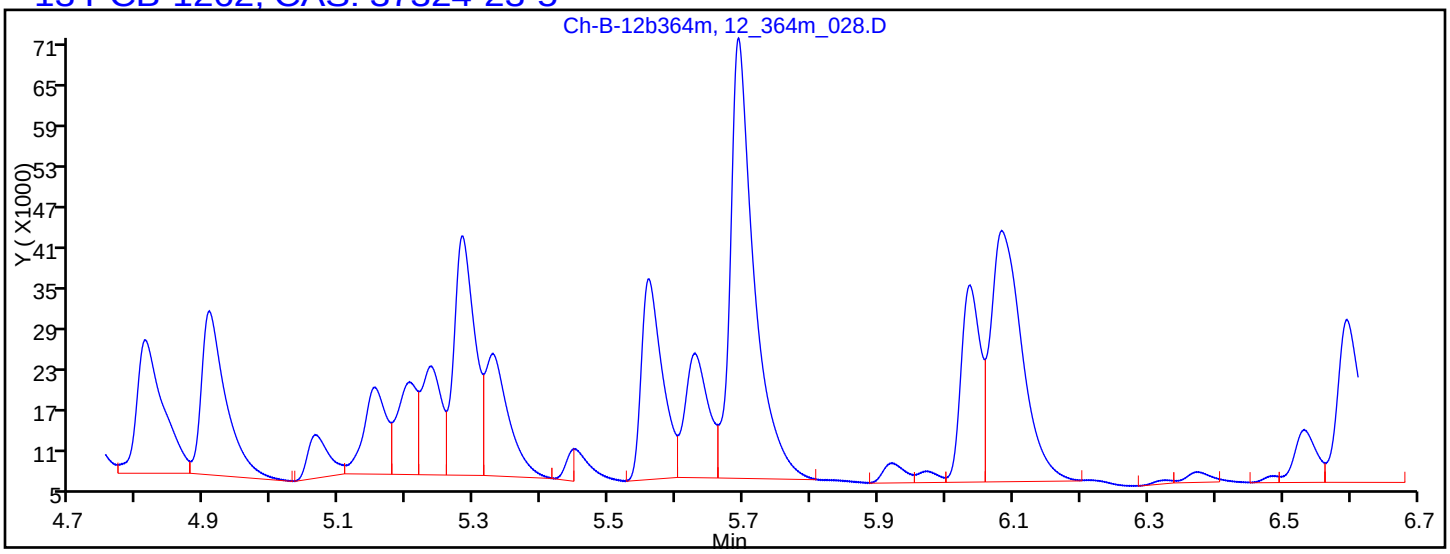
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

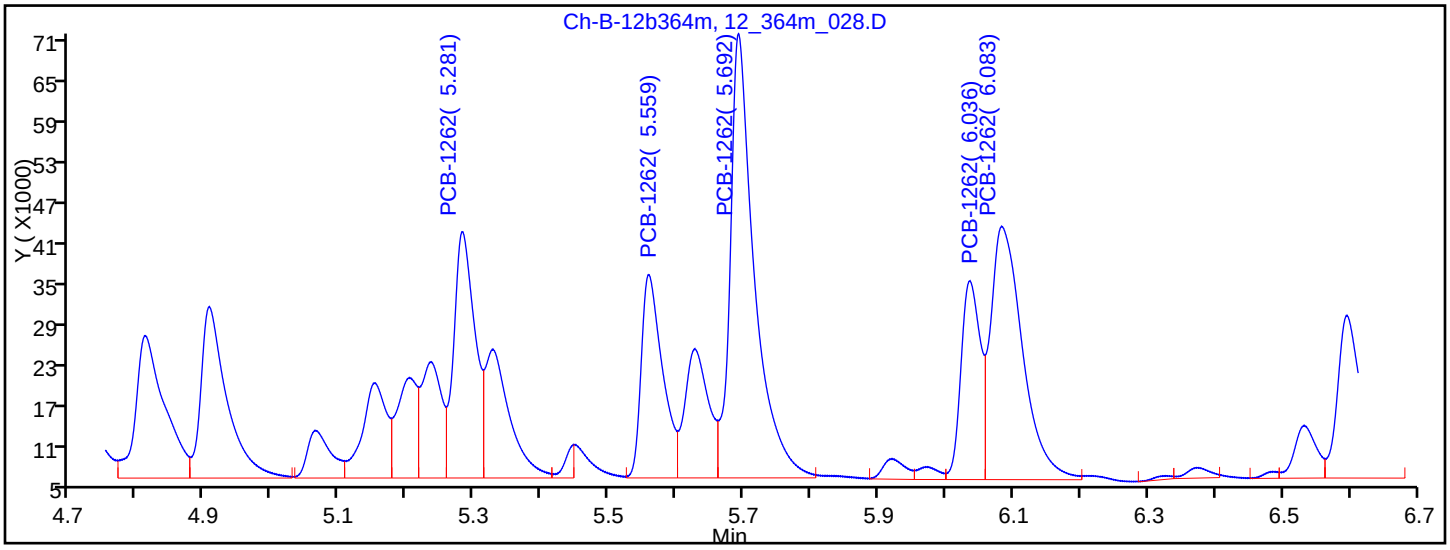
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results



Manual Integration Results

RT = 5.281	Response = 79482	M
RT = 5.559	Response = 65911	M
RT = 5.692	Response = 163569	M
RT = 6.036	Response = 59194	M
RT = 6.083	Response = 122047	M

Reviewer: sobolk, 05-May-2016 16:28:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27392

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0743					Ave		0.0743						20.0			
PCB-1242 Peak 2	0.0311					Ave		0.0311						20.0			
PCB-1242 Peak 3	0.0407					Ave		0.0407						20.0			
PCB-1242 Peak 4	0.0299					Ave		0.0299						20.0			
PCB-1242 Peak 5	0.0462					Ave		0.0462						20.0			
PCB-1268 Peak 1	0.1230					Ave		0.1230						20.0			
PCB-1268 Peak 2	0.2217					Ave		0.2217						20.0			
PCB-1268 Peak 3	0.1320					Ave		0.1320						20.0			
PCB-1268 Peak 4	0.0621					Ave		0.0621						20.0			
PCB-1268 Peak 5	0.4722					Ave		0.4722						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27392

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	103601					0.500				
PCB-1242 Peak 2	BNB	Ave	43392					0.500				
PCB-1242 Peak 3	BNB	Ave	56710					0.500				
PCB-1242 Peak 4	BNB	Ave	41701					0.500				
PCB-1242 Peak 5	BNB	Ave	64388					0.500				
PCB-1268 Peak 1	BNB	Ave	171534					0.500				
PCB-1268 Peak 2	BNB	Ave	309162					0.500				
PCB-1268 Peak 3	BNB	Ave	183993					0.500				
PCB-1268 Peak 4	BNB	Ave	86612					0.500				
PCB-1268 Peak 5	BNB	Ave	658501					0.500				

Curve Type Legend:

Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:14:09 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:41:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:31:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1394403	0.5000	0.5000	
2	1.694	1.694	0.000	1118731	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.389	2.389	0.000	103601	0.5000	0.5000	M
1	2.457	2.457	0.000	43392	0.5000	0.5000	M
1	2.768	2.768	0.000	56710	0.5000	0.5000	M
1	2.833	2.833	0.000	41701	0.5000	0.5000	M
1	3.034	3.034	0.000	64388	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.345	3.345	0.000	75365	0.5000	0.5000	M
2	3.469	3.469	0.000	32113	0.5000	0.5000	M
2	3.641	3.641	0.000	49267	0.5000	0.5000	M
2	3.851	3.851	0.000	38026	0.5000	0.5000	M
2	4.087	4.087	0.000	28894	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14	PCB-1268						M
1	4.807	4.807	0.000	171534	0.5000	0.5000	M
1	4.843	4.843	0.000	309162	0.5000	0.5000	M
1	5.063	5.063	0.000	183993	0.5000	0.5000	M
1	5.206	5.206	0.000	86612	0.5000	0.5000	a
1	5.483	5.483	0.000	658501	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	6.032	6.032	0.000	138646	0.5000	0.5000	M
2	6.076	6.076	0.000	222522	0.5000	0.5000	M
2	6.371	6.371	0.000	157889	0.5000	0.5000	a
2	6.596	6.596	0.000	64617	0.5000	0.5000	a
2	7.018	7.018	0.000	535424	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00003 Amount Added: 0.25 Units: mL

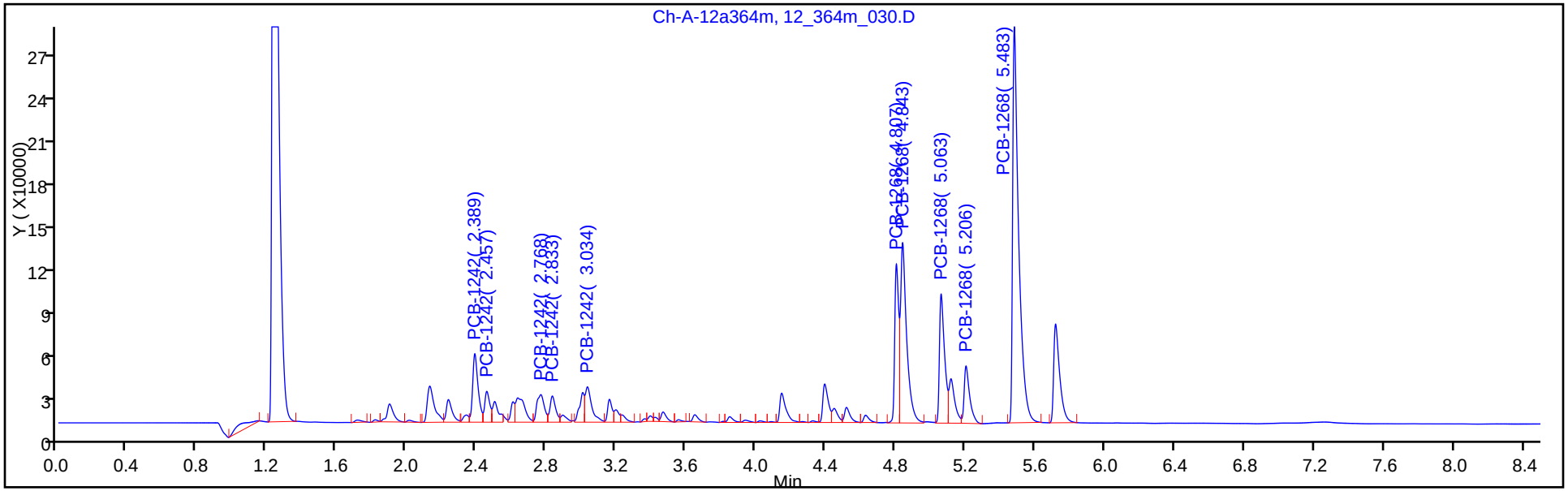
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

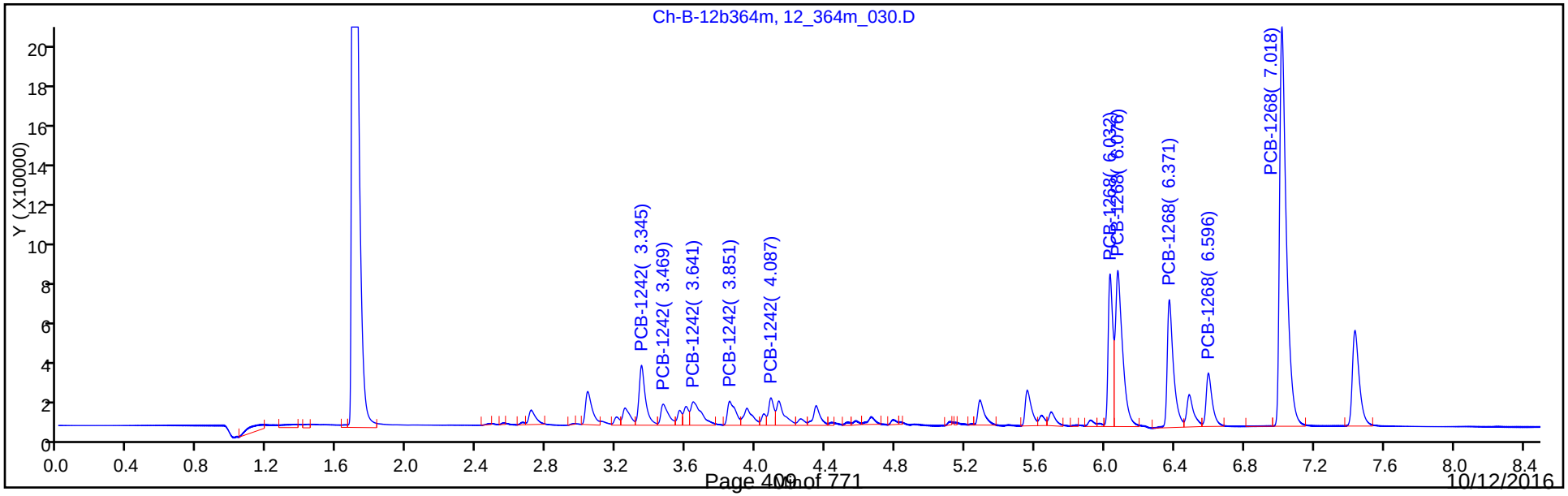
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date: 04-May-2016 21:14:09 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

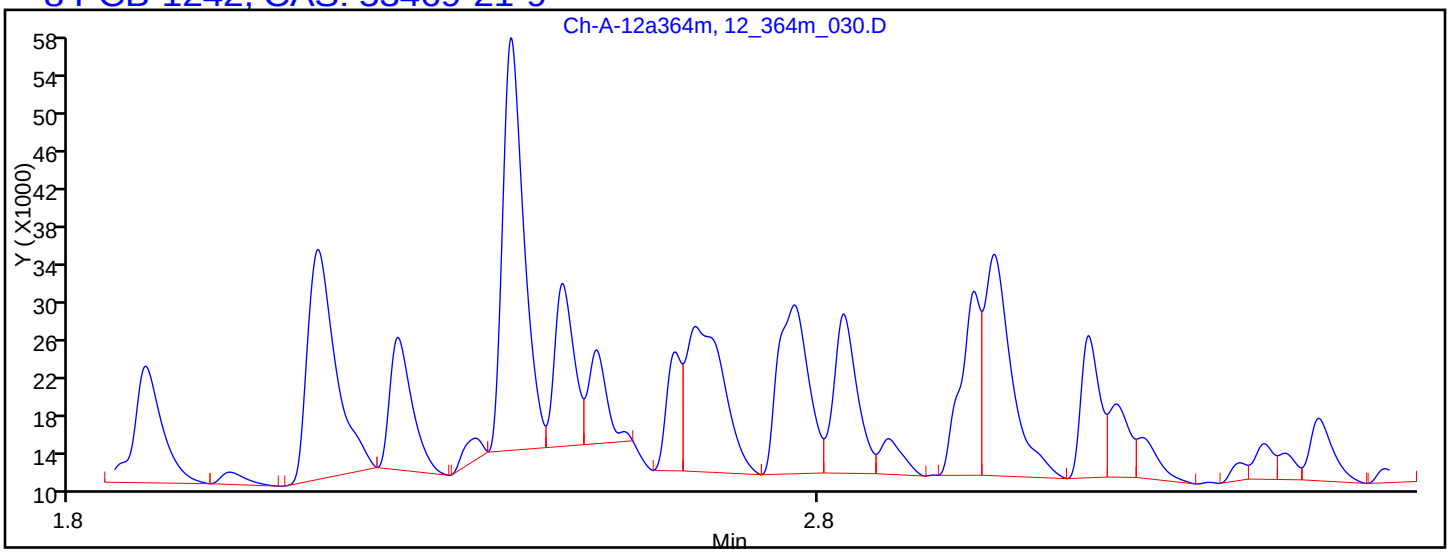
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

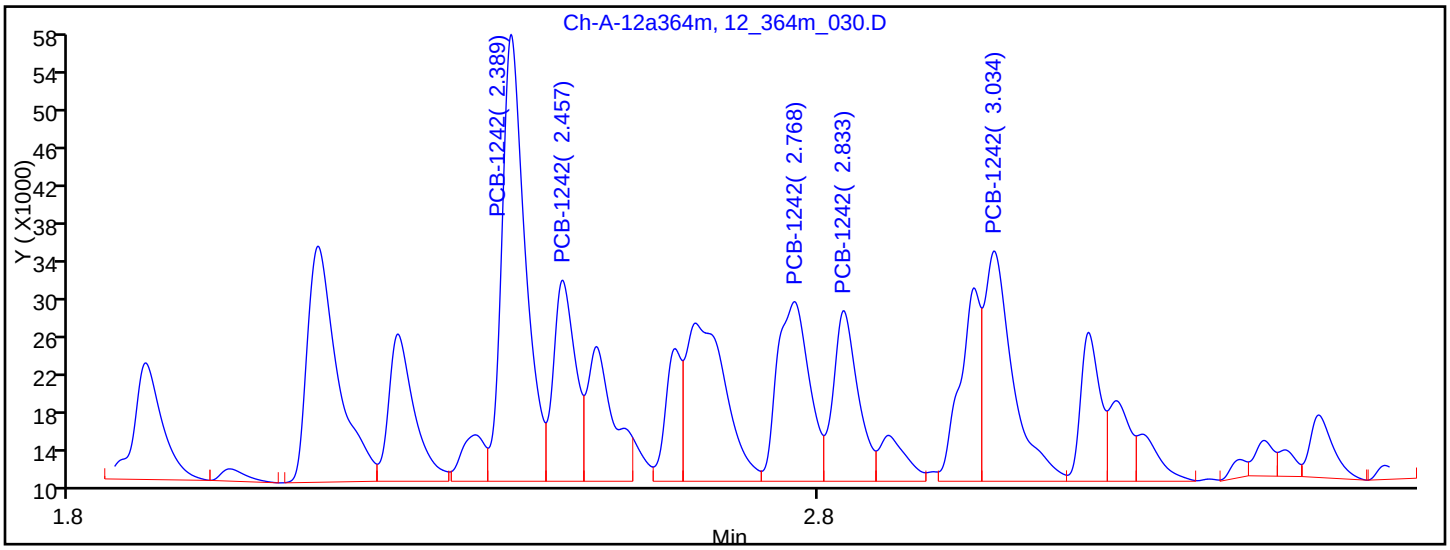
Column: Detector Ch-A-7A136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 2.503	Response = 17038	M
RT = 0.000	Response = 0	M
RT = 2.893	Response = 7905	M
RT = 0.000	Response = 0	M
RT = 3.161	Response = 26194	M



Manual Integration Results

RT = 2.389	Response = 103601	M
RT = 2.457	Response = 43392	M
RT = 2.768	Response = 56710	M
RT = 2.833	Response = 41701	M
RT = 3.034	Response = 64388	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

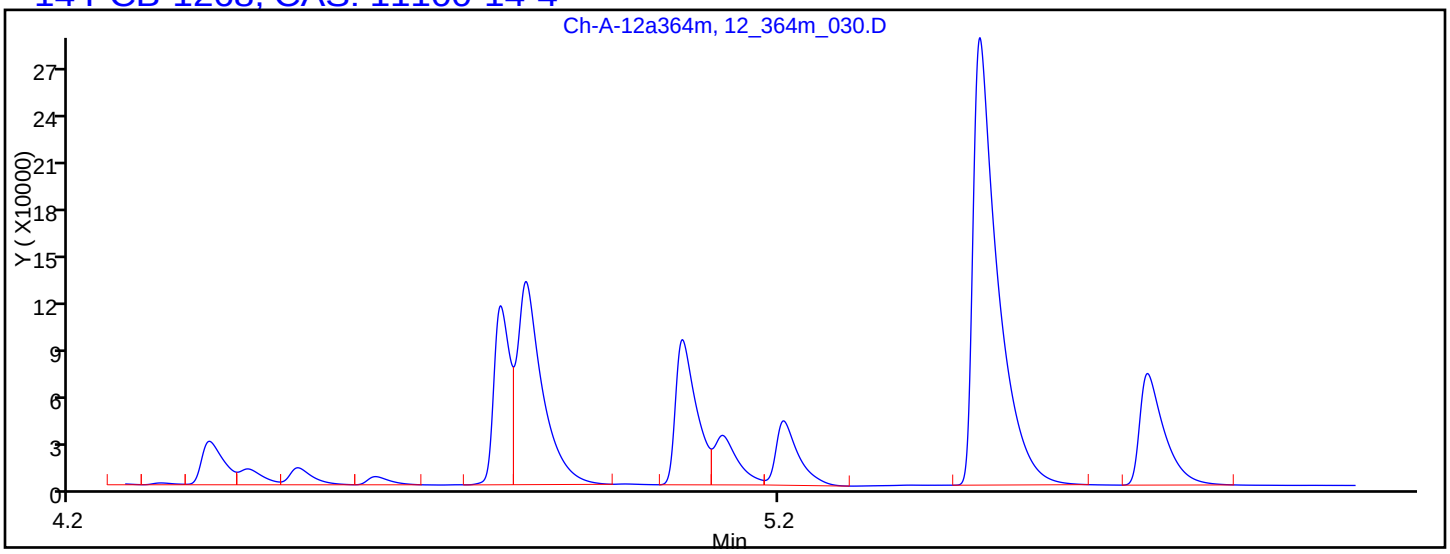
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

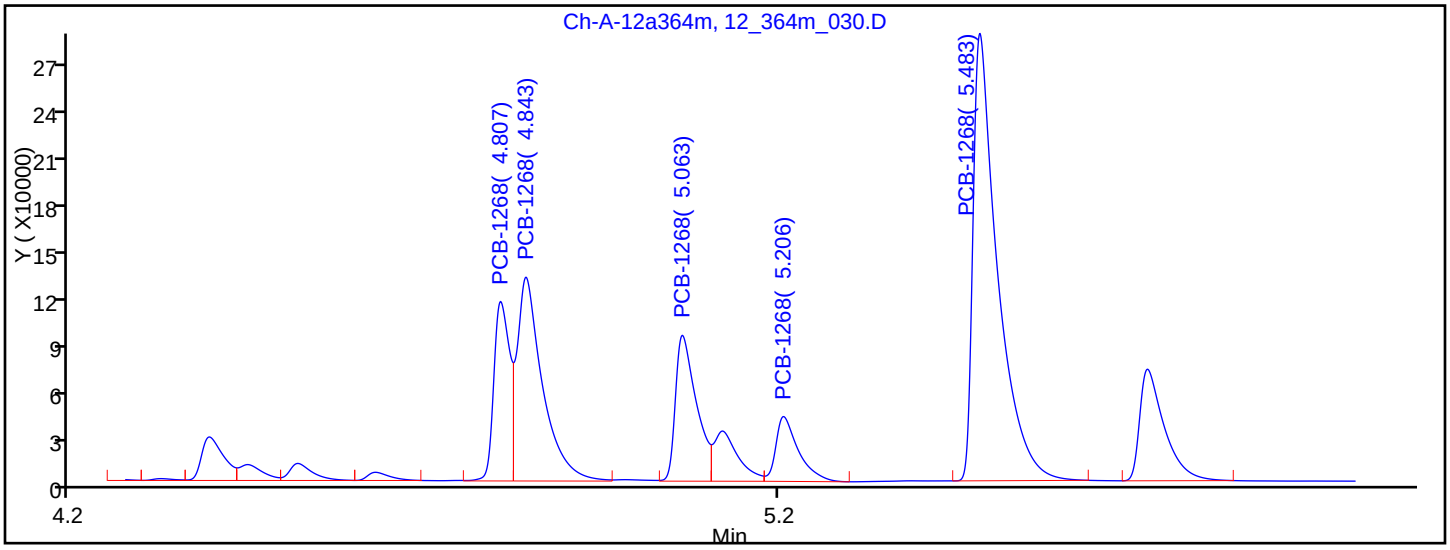
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results



Manual Integration Results

RT = 4.807	Response = 171534	M
RT = 4.843	Response = 309162	M
RT = 5.063	Response = 183993	M
RT = 5.206	Response = 86612	M
RT = 5.483	Response = 658501	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27393

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0674					Ave		0.0674						20.0			
PCB-1242 Peak 2	0.0287					Ave		0.0287						20.0			
PCB-1242 Peak 3	0.0440					Ave		0.0440						20.0			
PCB-1242 Peak 4	0.0340					Ave		0.0340						20.0			
PCB-1242 Peak 5	0.0258					Ave		0.0258						20.0			
PCB-1268 Peak 1	0.1239					Ave		0.1239						20.0			
PCB-1268 Peak 2	0.1989					Ave		0.1989						20.0			
PCB-1268 Peak 3	0.1411					Ave		0.1411						20.0			
PCB-1268 Peak 4	0.0578					Ave		0.0578						20.0			
PCB-1268 Peak 5	0.4786					Ave		0.4786						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:14 Calibration End Date: 05/04/2016 21:14 Calibration ID: 27393

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/23	12_364m_030.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	75365					0.500				
PCB-1242 Peak 2	BNB	Ave	32113					0.500				
PCB-1242 Peak 3	BNB	Ave	49267					0.500				
PCB-1242 Peak 4	BNB	Ave	38026					0.500				
PCB-1242 Peak 5	BNB	Ave	28894					0.500				
PCB-1268 Peak 1	BNB	Ave	138646					0.500				
PCB-1268 Peak 2	BNB	Ave	222522					0.500				
PCB-1268 Peak 3	BNB	Ave	157889					0.500				
PCB-1268 Peak 4	BNB	Ave	64617					0.500				
PCB-1268 Peak 5	BNB	Ave	535424					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:14:09 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:41:15 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:31:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.237	1.237	0.000	1394403	0.5000	0.5000	
2	1.694	1.694	0.000	1118731	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.389	2.389	0.000	103601	0.5000	0.5000	M
1	2.457	2.457	0.000	43392	0.5000	0.5000	M
1	2.768	2.768	0.000	56710	0.5000	0.5000	M
1	2.833	2.833	0.000	41701	0.5000	0.5000	M
1	3.034	3.034	0.000	64388	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.345	3.345	0.000	75365	0.5000	0.5000	M
2	3.469	3.469	0.000	32113	0.5000	0.5000	M
2	3.641	3.641	0.000	49267	0.5000	0.5000	M
2	3.851	3.851	0.000	38026	0.5000	0.5000	M
2	4.087	4.087	0.000	28894	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	4.807	4.807	0.000	171534	0.5000	0.5000	M
1	4.843	4.843	0.000	309162	0.5000	0.5000	M
1	5.063	5.063	0.000	183993	0.5000	0.5000	M
1	5.206	5.206	0.000	86612	0.5000	0.5000	a
1	5.483	5.483	0.000	658501	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
2	6.032	6.032	0.000	138646	0.5000	0.5000	M
2	6.076	6.076	0.000	222522	0.5000	0.5000	M
2	6.371	6.371	0.000	157889	0.5000	0.5000	a
2	6.596	6.596	0.000	64617	0.5000	0.5000	a
2	7.018	7.018	0.000	535424	0.5000	0.5000	a
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00003 Amount Added: 0.25 Units: mL

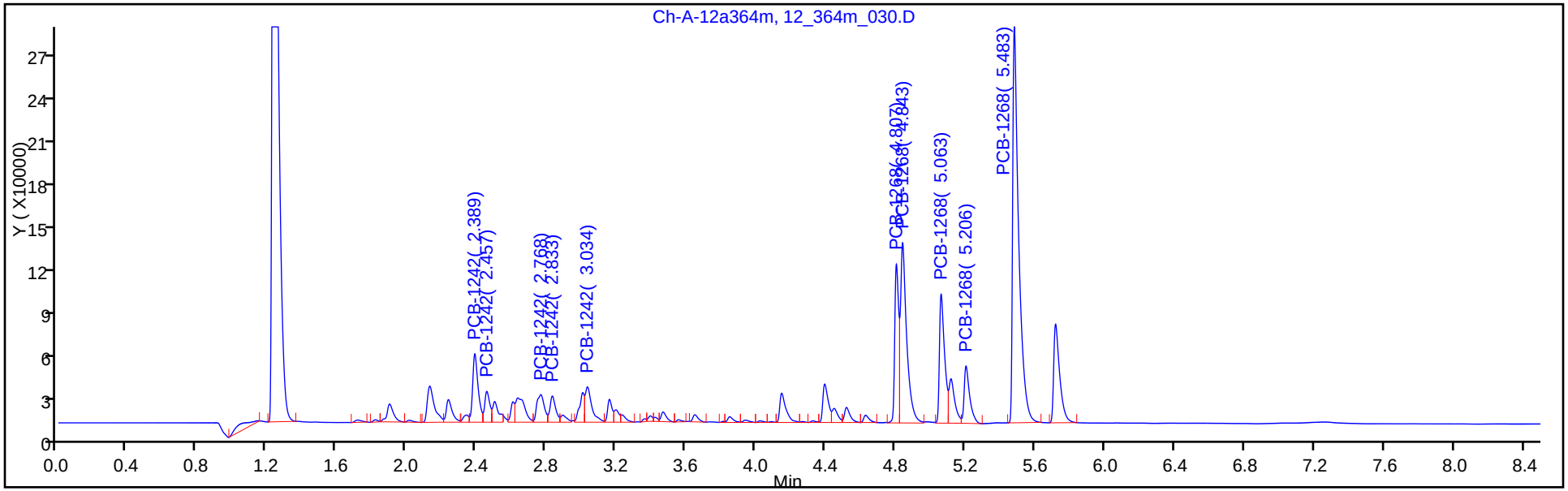
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

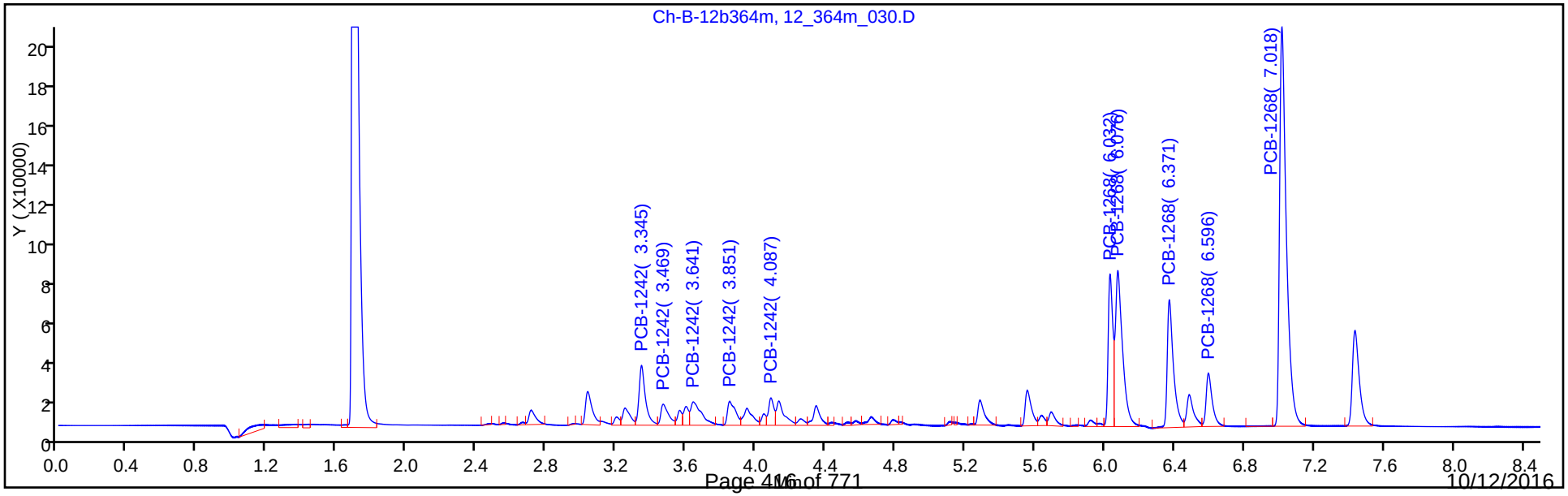
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date: 04-May-2016 21:14:09 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

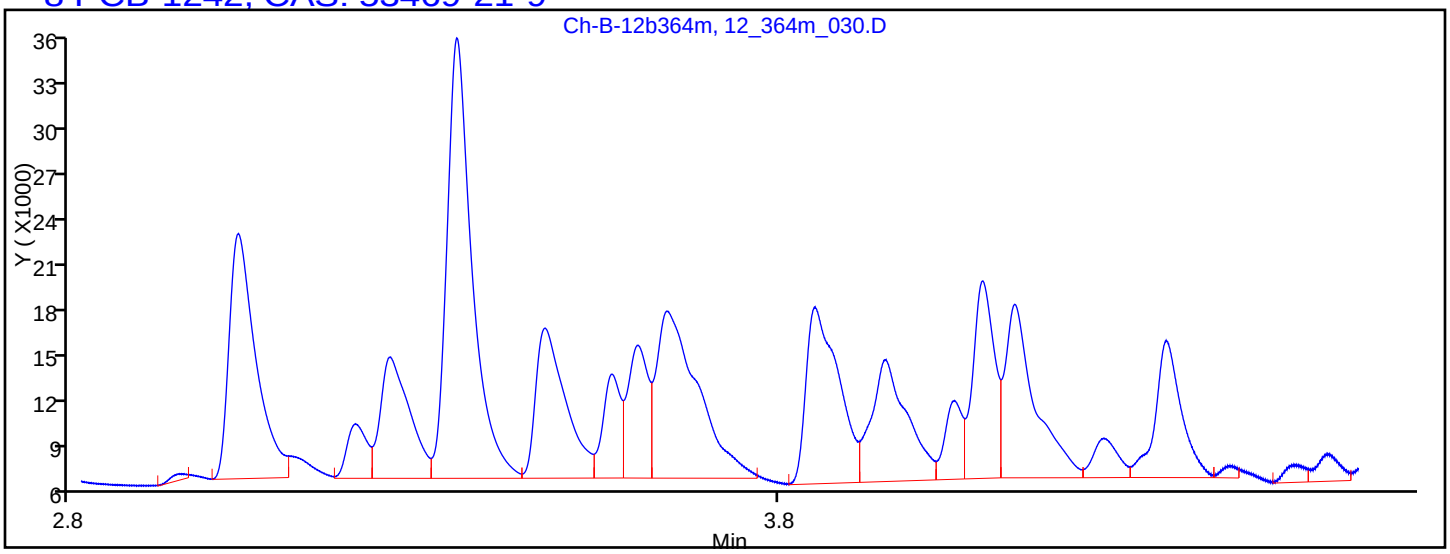
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

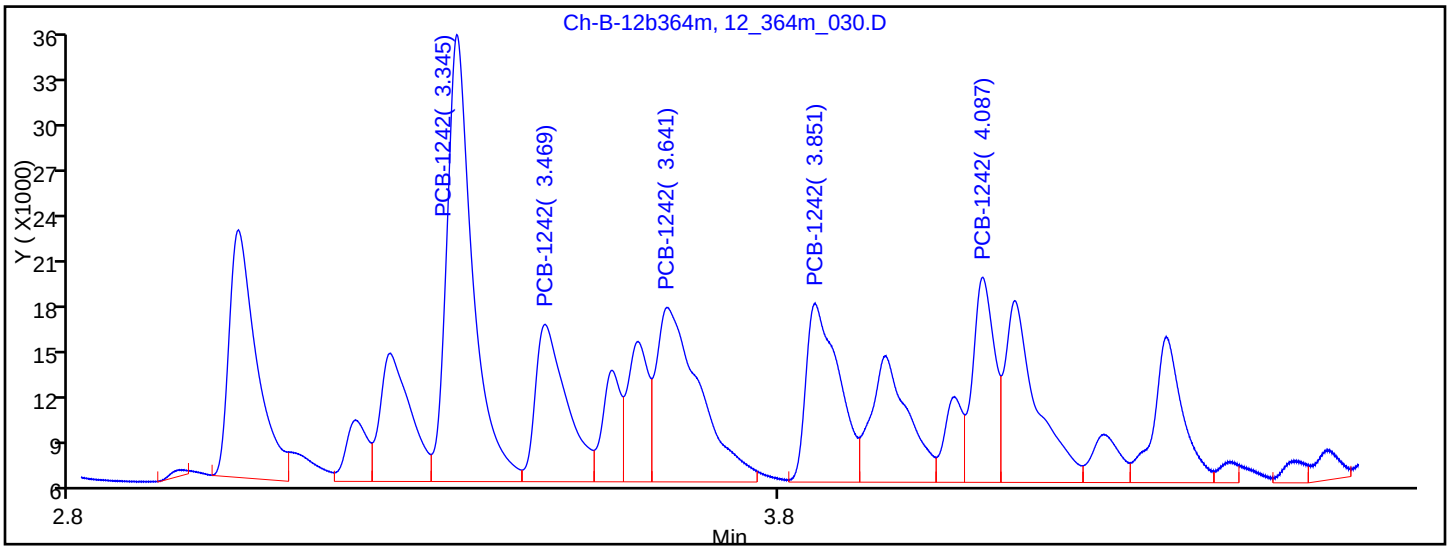
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 3.564	Response = 11852	M
RT = 0.000	Response = 0	M
RT = 3.951	Response = 28076	M
RT = 4.132	Response = 33351	M



Manual Integration Results

RT = 3.345	Response = 75365	M
RT = 3.469	Response = 32113	M
RT = 3.641	Response = 49267	M
RT = 3.851	Response = 38026	M
RT = 4.087	Response = 28894	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

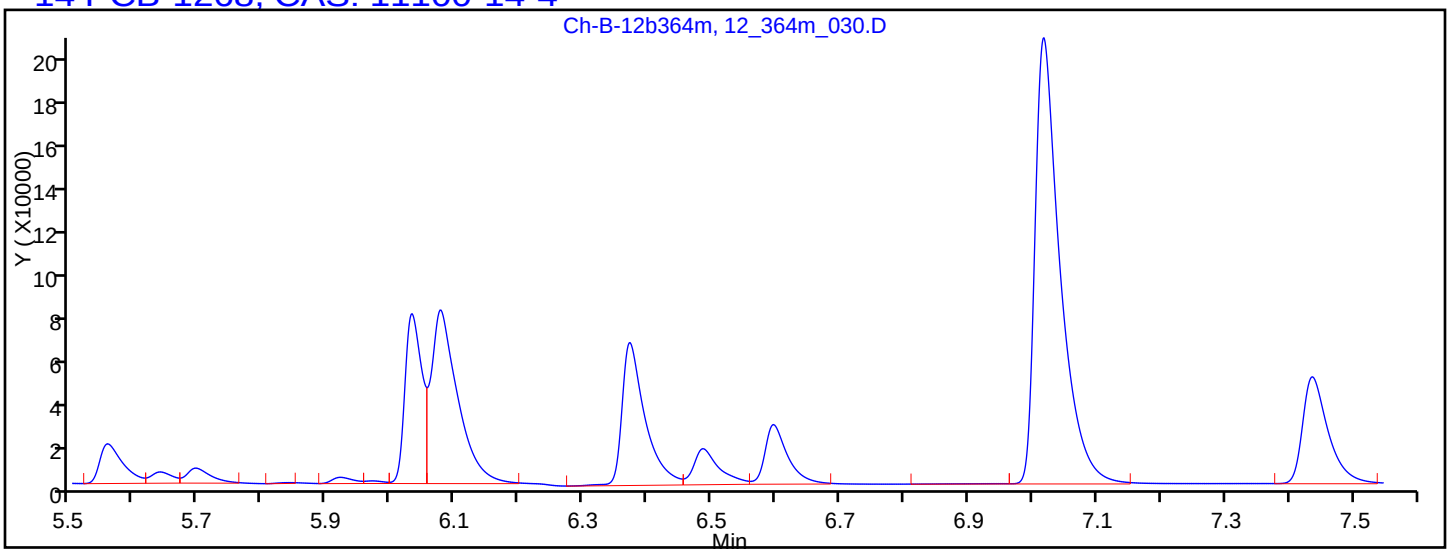
Report Date: 05-May-2016 16:41:16 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

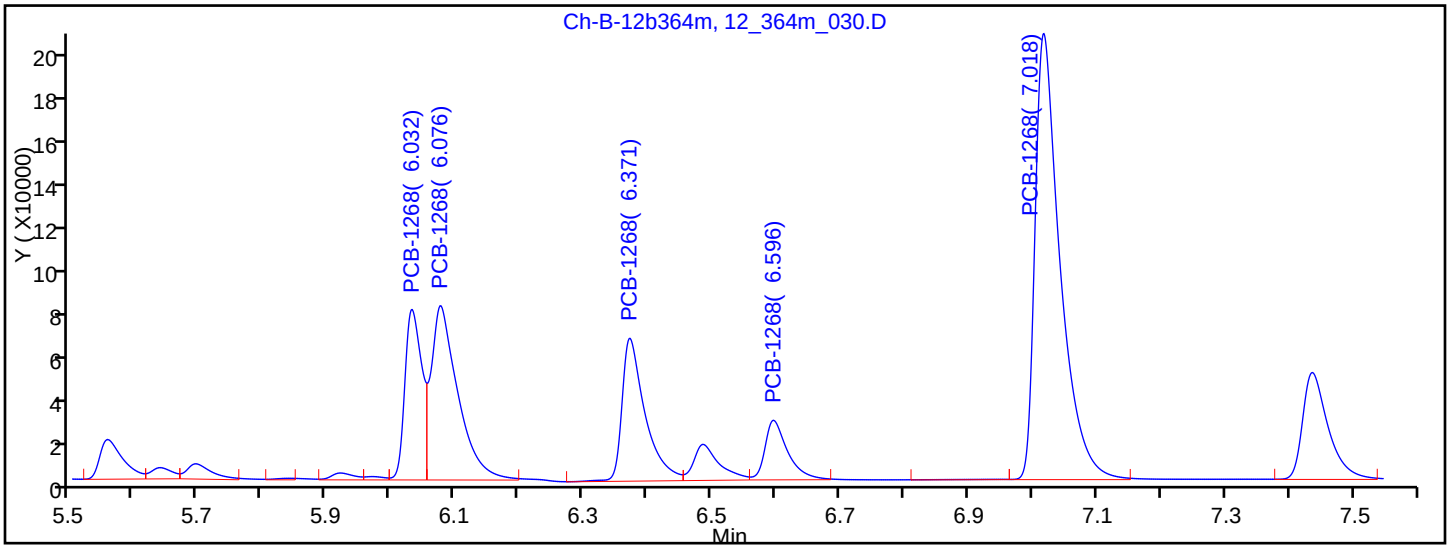
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_030.D

Injection Date:	04-May-2016 21:14:09	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results



Manual Integration Results

RT = 6.032	Response = 138646	M
RT = 6.076	Response = 222522	M
RT = 6.371	Response = 157889	M
RT = 6.596	Response = 64617	M
RT = 7.018	Response = 535424	M

Reviewer: sobolk, 05-May-2016 16:39:00

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0687					Ave		0.0687						20.0			
PCB-1248 Peak 2	0.0594					Ave		0.0594						20.0			
PCB-1248 Peak 3	0.0462					Ave		0.0462						20.0			
PCB-1248 Peak 4	0.0853					Ave		0.0853						20.0			
PCB-1248 Peak 5	0.0323					Ave		0.0323						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27398

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	94731					0.500				
PCB-1248 Peak 2	BNB	Ave	81936					0.500				
PCB-1248 Peak 3	BNB	Ave	63746					0.500				
PCB-1248 Peak 4	BNB	Ave	117522					0.500				
PCB-1248 Peak 5	BNB	Ave	44581					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:44:49 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:58:50 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:41:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1378555	0.5000	0.5000	
2	1.694	1.694	0.000	1089259	0.5000	0.5000	M
						RPD = 0.00	
10 PCB-1248							M
1	2.633	2.633	0.000	94731	0.5000	0.5000	M
1	2.751	2.751	0.000	81936	0.5000	0.5000	M
1	2.831	2.831	0.000	63746	0.5000	0.5000	M
1	3.035	3.035	0.000	117522	0.5000	0.5000	M
1	3.159	3.159	0.000	44581	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.639	3.639	0.000	72184	0.5000	0.5000	M
2	3.847	3.847	0.000	53049	0.5000	0.5000	M
2	3.949	3.949	0.000	45718	0.5000	0.5000	M
2	4.085	4.085	0.000	50840	0.5000	0.5000	M
2	4.344	4.344	0.000	48222	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00003 Amount Added: 0.25 Units: mL

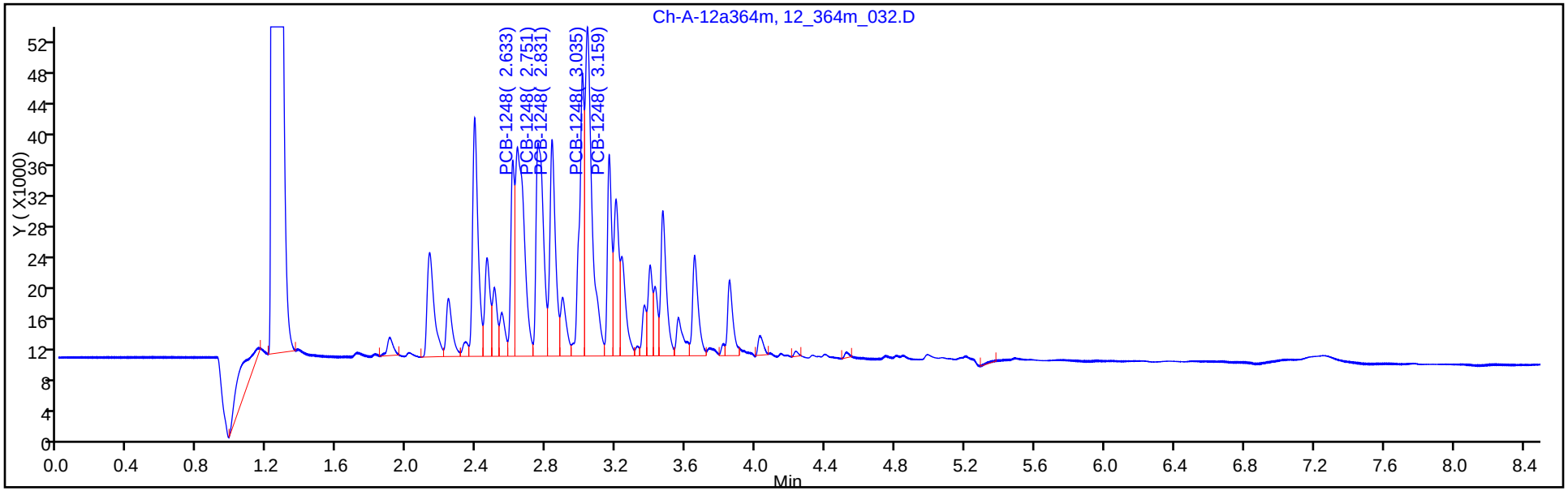
Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

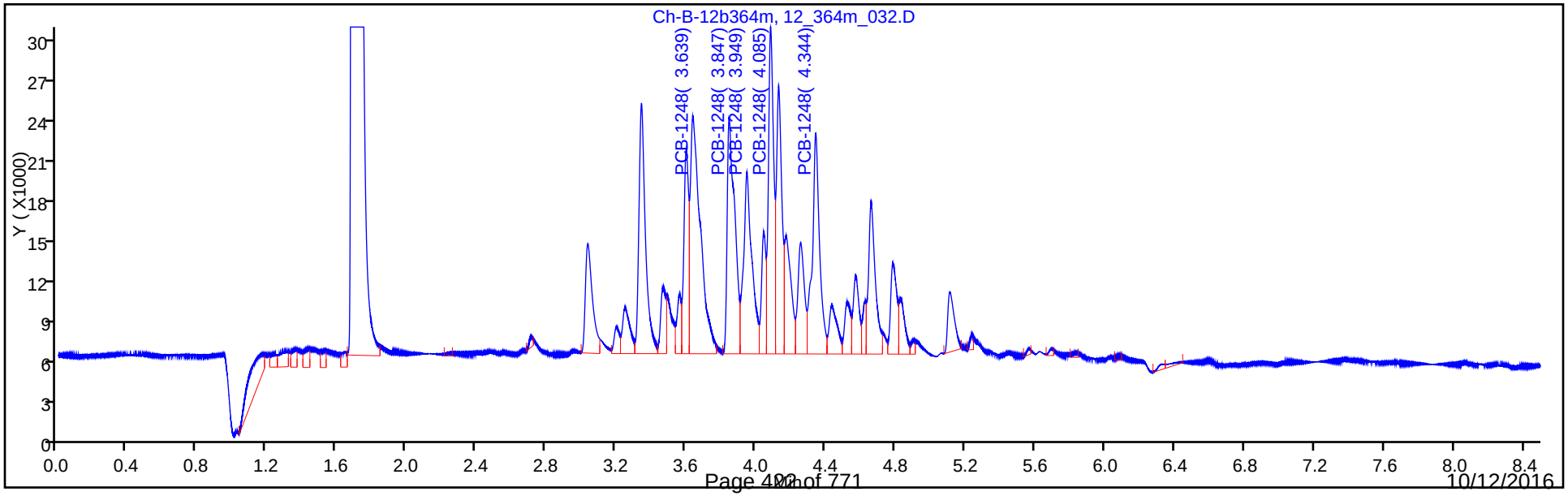
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Injection Date:	04-May-2016 21:44:49	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



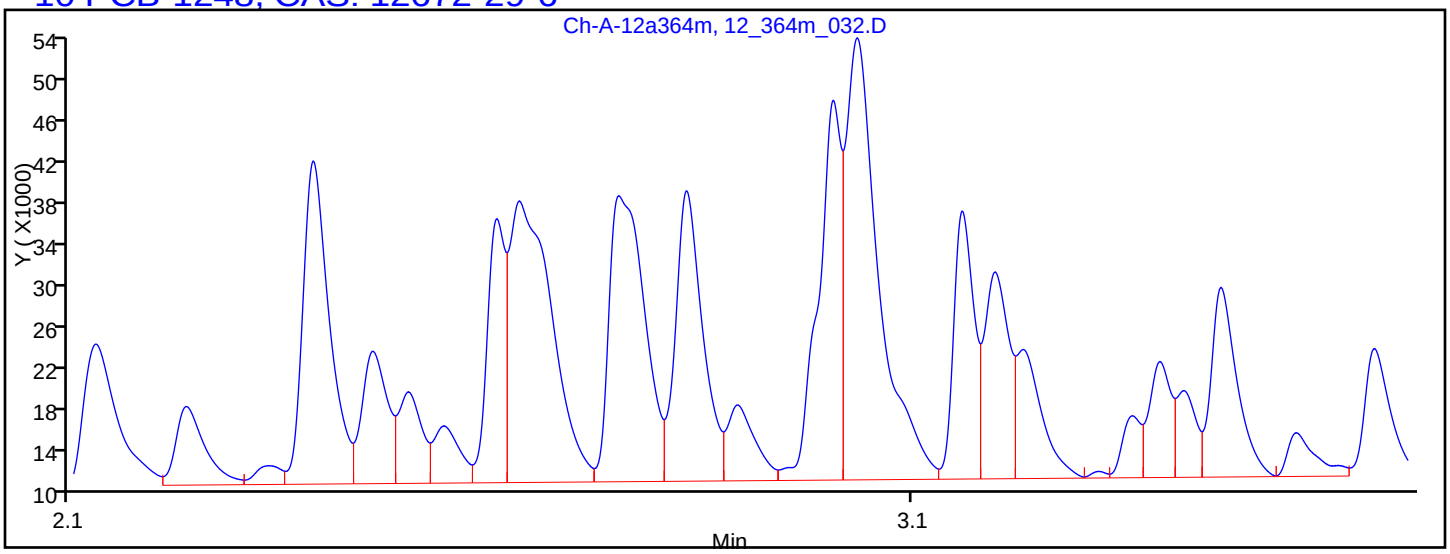
Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

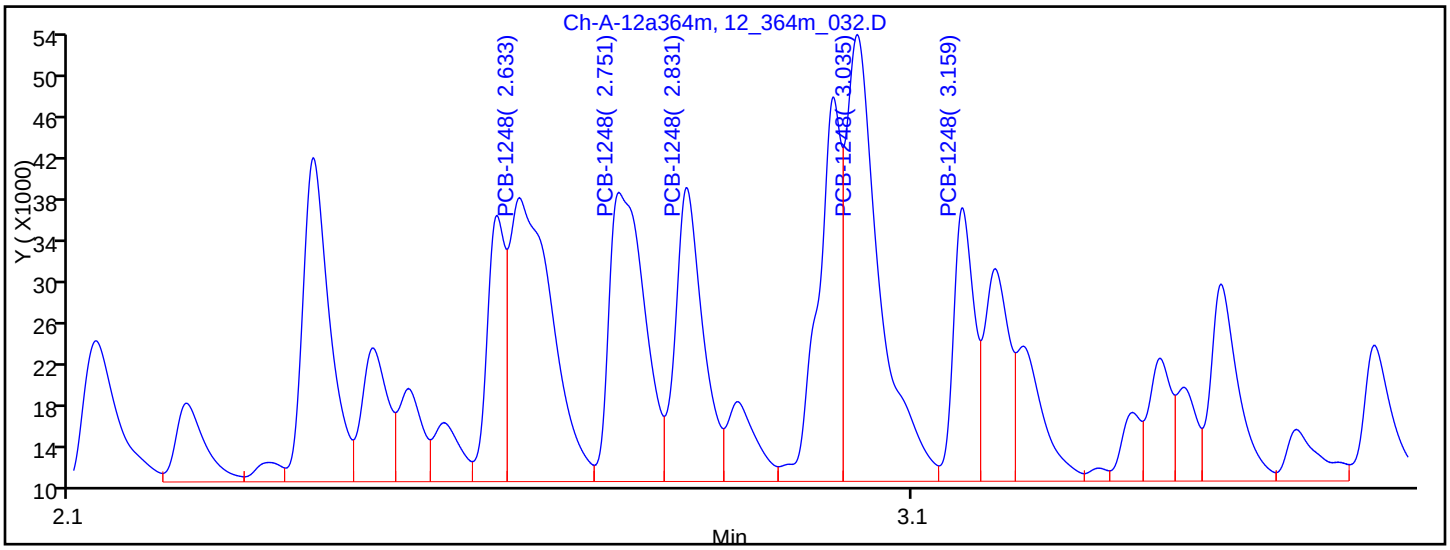
Injection Date:	04-May-2016 21:44:49	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 2.751	Response = 80436	M
RT = 2.893	Response = 16582	M
RT = 0.000	Response = 0	M
RT = 3.159	Response = 43015	M
RT = 0.000	Response = 0	M



Manual Integration Results

RT = 2.633	Response = 94731	M
RT = 2.751	Response = 81936	M
RT = 2.831	Response = 63746	M
RT = 3.035	Response = 117522	M
RT = 3.159	Response = 44581	M

Reviewer: sobolk, 05-May-2016 16:51:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27399

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0663					Ave		0.0663						20.0			
PCB-1248 Peak 2	0.0487					Ave		0.0487						20.0			
PCB-1248 Peak 3	0.0420					Ave		0.0420						20.0			
PCB-1248 Peak 4	0.0467					Ave		0.0467						20.0			
PCB-1248 Peak 5	0.0443					Ave		0.0443						20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 299978

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/04/2016 21:44 Calibration End Date: 05/04/2016 21:44 Calibration ID: 27399

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-299978/27	12_364m_032.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	72184					0.500				
PCB-1248 Peak 2	BNB	Ave	53049					0.500				
PCB-1248 Peak 3	BNB	Ave	45718					0.500				
PCB-1248 Peak 4	BNB	Ave	50840					0.500				
PCB-1248 Peak 5	BNB	Ave	48222					0.500				

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-May-2016 21:44:49 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 05-May-2016 16:58:50 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK007

First Level Reviewer: sobolk Date: 05-May-2016 16:41:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.237	1.237	0.000	1378555	0.5000	0.5000	
2	1.694	1.694	0.000	1089259	0.5000	0.5000	M
						RPD = 0.00	
10 PCB-1248							M
1	2.633	2.633	0.000	94731	0.5000	0.5000	M
1	2.751	2.751	0.000	81936	0.5000	0.5000	M
1	2.831	2.831	0.000	63746	0.5000	0.5000	M
1	3.035	3.035	0.000	117522	0.5000	0.5000	M
1	3.159	3.159	0.000	44581	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
2	3.639	3.639	0.000	72184	0.5000	0.5000	M
2	3.847	3.847	0.000	53049	0.5000	0.5000	M
2	3.949	3.949	0.000	45718	0.5000	0.5000	M
2	4.085	4.085	0.000	50840	0.5000	0.5000	M
2	4.344	4.344	0.000	48222	0.5000	0.5000	M
		Average of Peak Amounts =				0.5000	
						RPD = 0.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00003 Amount Added: 0.25 Units: mL

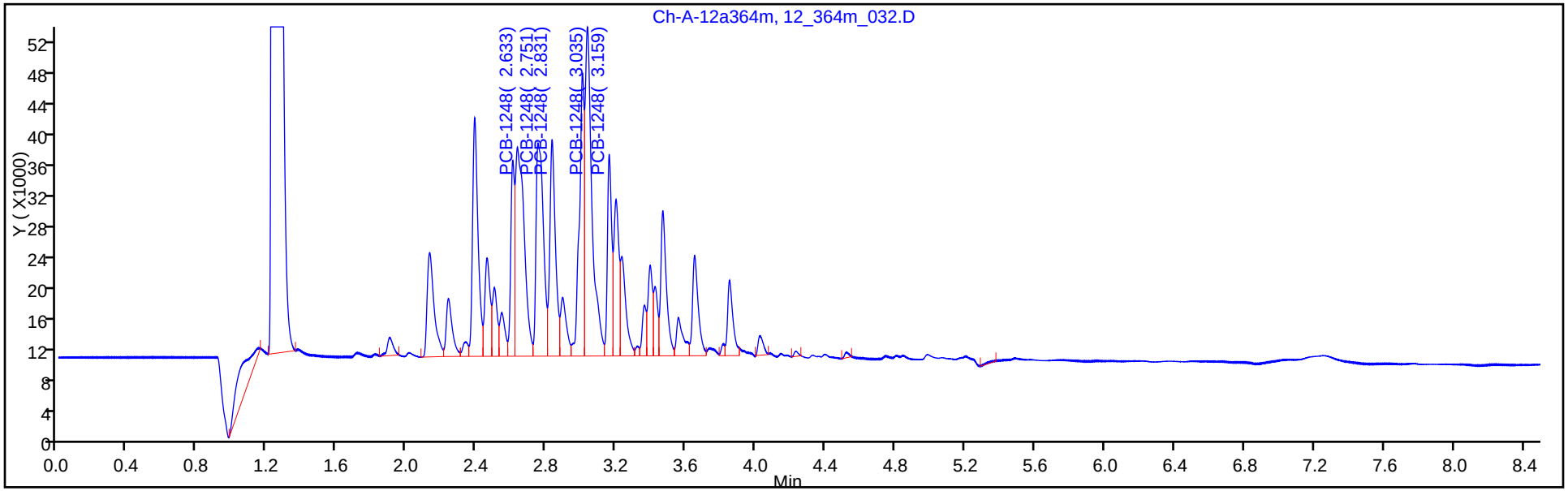
Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

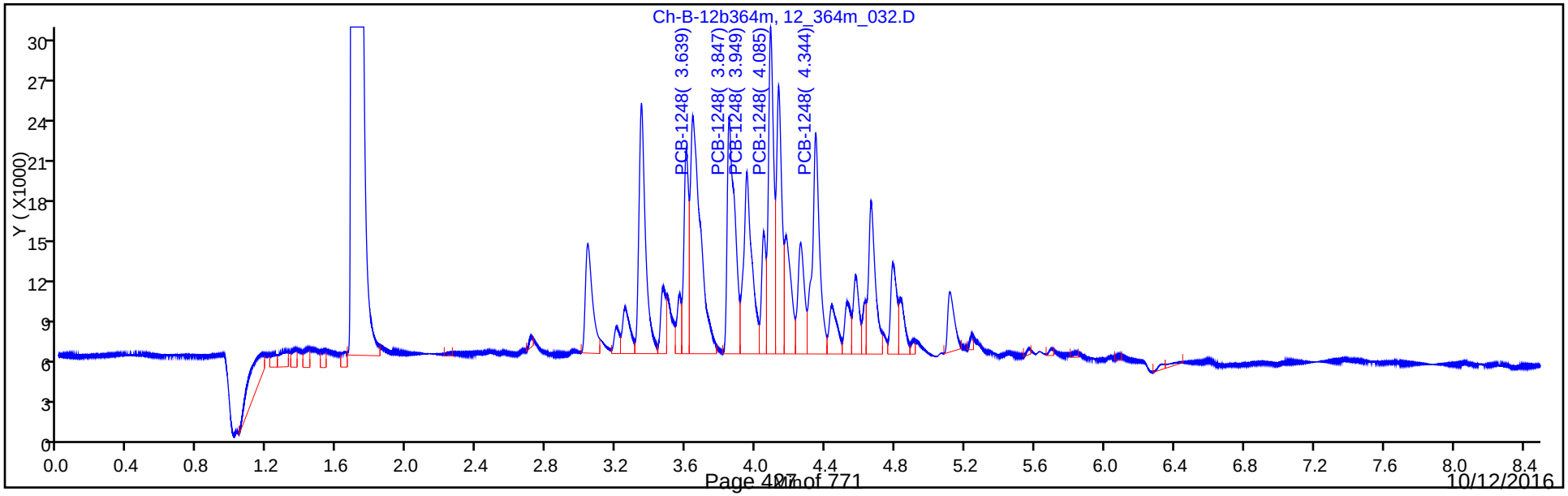
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Injection Date:	04-May-2016 21:44:49	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

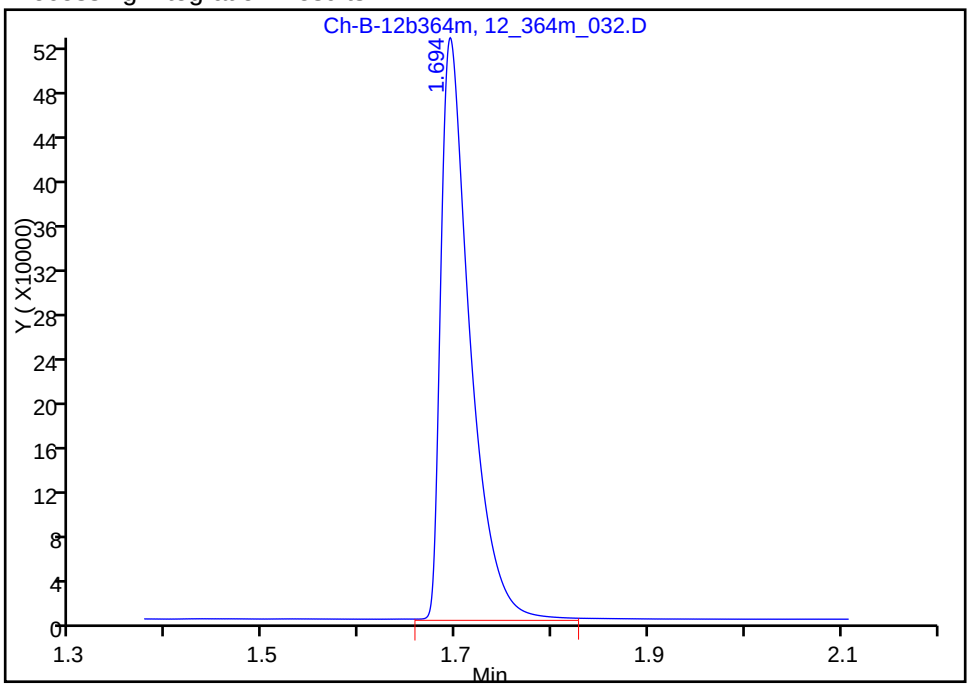
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D
Injection Date: 04-May-2016 21:44:49 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

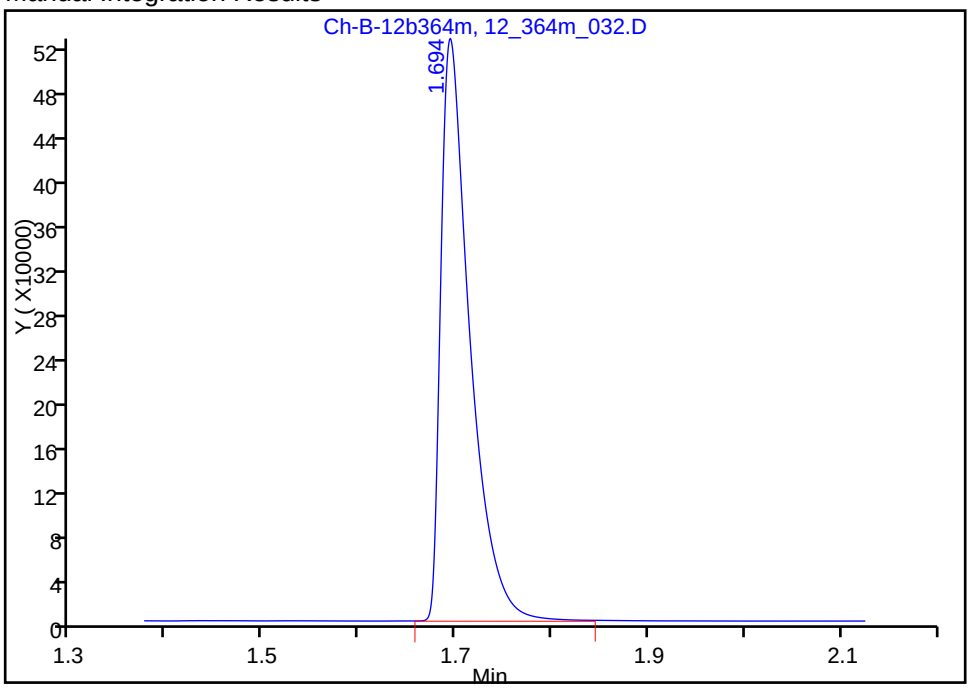
Processing Integration Results

RT: 1.69
Area: 1097516
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.69
Area: 1089259
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 05-May-2016 16:53:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 05-May-2016 16:58:51 Chrom Revision: 2.2 20-Apr-2016 13:59:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Injection Date: 04-May-2016 21:44:49 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

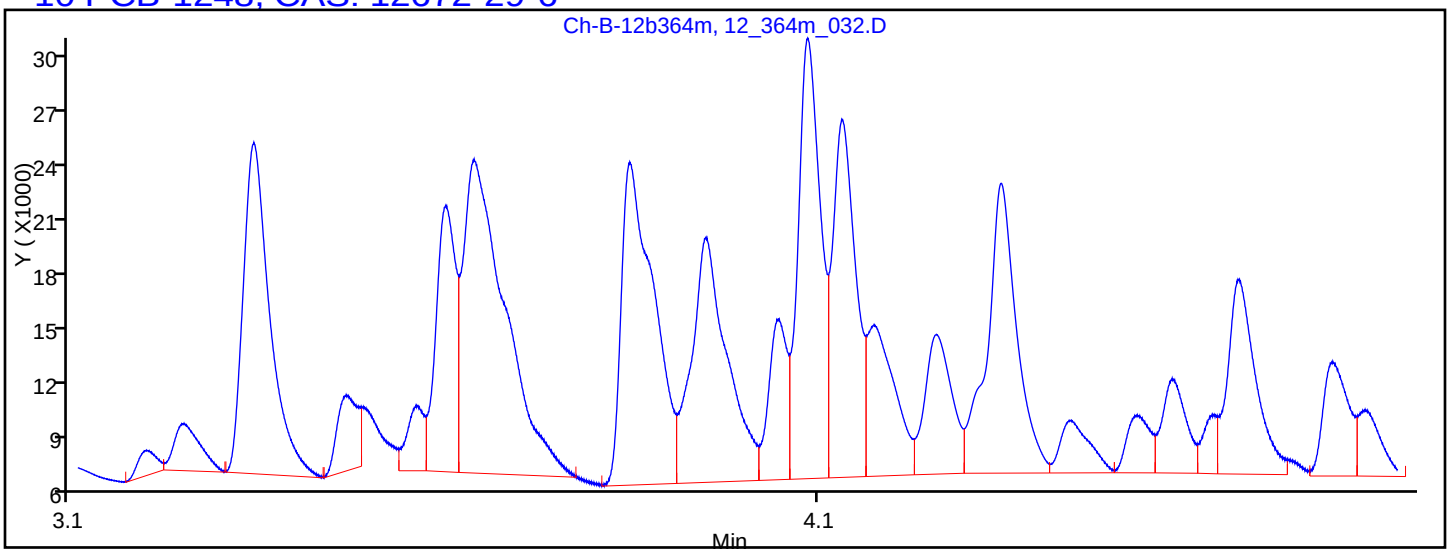
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

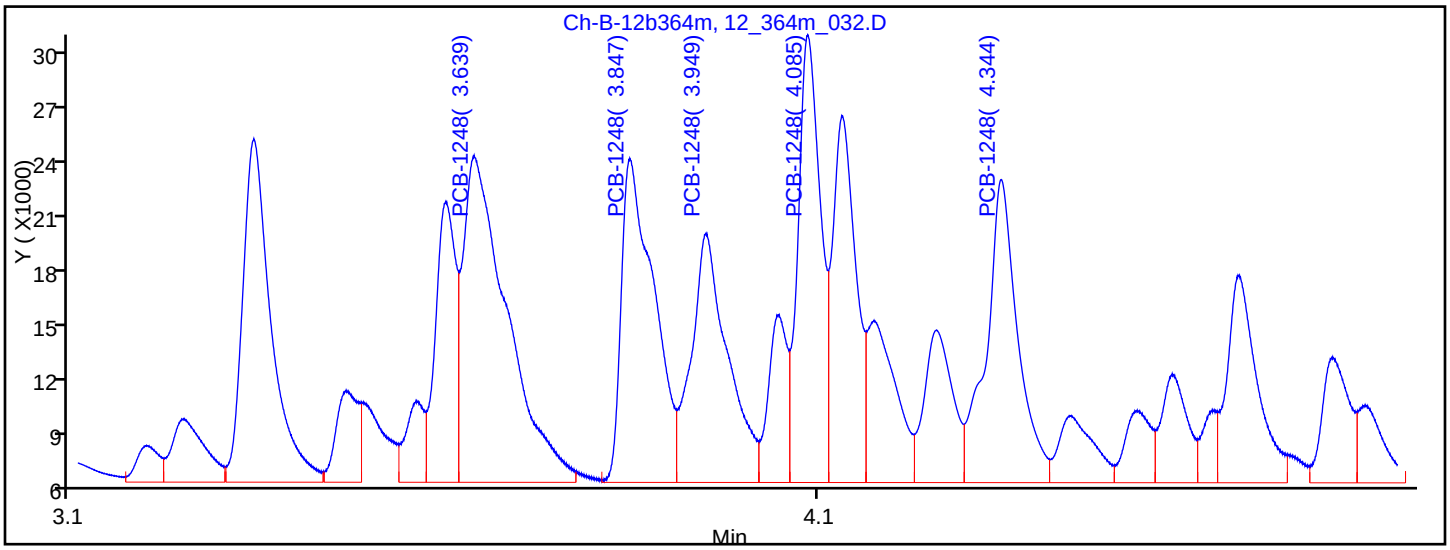
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

RT = 0.000	Response = 0	M
RT = 3.949	Response = 43804	M
RT = 4.174	Response = 20881	M
RT = 0.000	Response = 0	M
RT = 4.438	Response = 7734	M



Manual Integration Results

RT = 3.639	Response = 72184	M
RT = 3.847	Response = 53049	M
RT = 3.949	Response = 45718	M
RT = 4.085	Response = 50840	M
RT = 4.344	Response = 48222	M

Reviewer: sobolk, 05-May-2016 16:52:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 20:00 Calibration End Date: 09/15/2016 21:36 Calibration ID: 28347

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/9	6_10-153.D
Level 2	IC 480-320599/8	6_10-152.D
Level 3	IC 480-320599/7	6_10-151.D
Level 4	IC 480-320599/6	6_10-150.D
Level 5	ICIS 480-320599/5	6_10-149.D
Level 6	IC 480-320599/4	6_10-148.D
Level 7	IC 480-320599/3	6_10-147.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0449 0.0306	0.0427 0.0303	0.0408	0.0399	0.0343	Ave		0.0376				15.7		20.0			
PCB-1016 Peak 2	0.0397 0.0223	0.0324 0.0203	0.0291	0.0264	0.0238	Lin1	0.0005	0.0211							0.9950		0.9900
PCB-1016 Peak 3	0.1123 0.0751	0.0986 0.0725	0.0890	0.0830	0.0763	Ave		0.0867				16.7		20.0			
PCB-1016 Peak 4	0.0513 0.0280	0.0394 0.0263	0.0347	0.0320	0.0291	Lin1	0.0006	0.0268							0.9980		0.9900
PCB-1016 Peak 5	0.0332 0.0195	0.0268 0.0184	0.0236	0.0218	0.0201	Lin1	0.0004	0.0187							0.9990		0.9900
PCB-1260 Peak 1	0.0714 0.0483	0.0633 0.0474	0.0556	0.0525	0.0481	Ave		0.0552				16.4		20.0			
PCB-1260 Peak 2	0.0398 0.0262	0.0361 0.0255	0.0309	0.0287	0.0265	Ave		0.0305				18.0		20.0			
PCB-1260 Peak 3	0.0367 0.0241	0.0328 0.0235	0.0282	0.0268	0.0243	Ave		0.0280				17.7		20.0			
PCB-1260 Peak 4	0.0774 0.0587	0.0709 0.0597	0.0629	0.0605	0.0571	Ave		0.0639				11.7		20.0			
PCB-1260 Peak 5	0.0384 0.0266	0.0353 0.0262	0.0302	0.0285	0.0266	Ave		0.0303				15.8		20.0			
Tetrachloro-m-xylene	1.5823 1.0204	1.3456 1.0704	1.2208	1.2348	1.1087	Lin1	0.0003	1.0568							0.9980		0.9900
DCB Decachlorobiphenyl	0.7026 0.4493	0.6137 0.4216	0.5423	0.4955	0.4609	Lin1	0.0002	0.4310							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 20:00 Calibration End Date: 09/15/2016 21:36 Calibration ID: 28347

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/9	6_10-153.D
Level 2	IC 480-320599/8	6_10-152.D
Level 3	IC 480-320599/7	6_10-151.D
Level 4	IC 480-320599/6	6_10-150.D
Level 5	ICIS 480-320599/5	6_10-149.D
Level 6	IC 480-320599/4	6_10-148.D
Level 7	IC 480-320599/3	6_10-147.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	49908 1694102	120123 3466183	238211	464531	1001599	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Lin1	44133 1233162	91009 2327656	170003	307897	695144	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	124867 4150870	277124 8307261	519791	966461	2227453	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Lin1	57087 1546554	110809 3010392	202846	372904	848719	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Lin1	36955 1075686	75393 2105770	138028	254193	587225	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	79385 2668546	177793 5427771	324399	611269	1404194	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	44283 1446153	101566 2919910	180660	334247	774800	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	40751 1334417	92079 2689109	164800	311819	708371	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	86012 3245864	199370 6838729	367524	704736	1666362	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	42706 1469467	99110 2998546	176262	332520	777999	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Lin1	43979 1410754	94550 3065530	178191	359542	809172	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	19528 621109	43121 1207352	79156	144292	336364	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-147.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 15-Sep-2016 20:00:13 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:28 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 15-Sep-2016 20:15:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.163	1.164	-0.001	28640205	0.5000	0.5000	
2	1.137	1.139	-0.002	52182979	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.153	2.157	-0.004	3065530	0.0500	0.0503	M
2	1.808	1.811	-0.003	5511632	0.0500	0.0482	
						RPD = 4.25	
6 PCB-1016							
1	2.768	2.763	0.005	3466183	2.00	1.61	
1	2.926	2.927	-0.001	2327656	2.00	1.90	
1	3.138	3.139	-0.001	8307261	2.00	1.67	
1	3.224	3.225	-0.001	3010392	2.00	1.94	
1	3.288	3.289	-0.001	2105770	2.00	1.94	
		Average of Peak Amounts =				1.81	
2	2.587	2.591	-0.004	6590245	2.00	1.67	
2	2.914	2.918	-0.004	15556109	2.00	1.90	
2	3.034	3.038	-0.004	5686623	2.00	1.82	
2	3.133	3.136	-0.003	3869860	2.00	1.87	
2	3.421	3.423	-0.002	6699219	2.00	1.85	
		Average of Peak Amounts =				1.82	
						RPD = 0.60	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.036	5.037	-0.001	5427771	2.00	1.72	
1	5.168	5.167	0.001	2919910	2.00	1.67	
1	5.357	5.357	0.000	2689109	2.00	1.67	
1	5.563	5.564	-0.001	6838729	2.00	1.87	
1	5.803	5.805	-0.002	2998546	2.00	1.73	
		Average of Peak Amounts =				1.73	
2	4.814	4.818	-0.004	8437258	2.00	1.96	
2	4.864	4.866	-0.002	7139245	2.00	1.91	
2	5.128	5.132	-0.004	7414569	2.00	1.97	
2	5.265	5.268	-0.003	20020595	2.00	2.09	a
2	5.603	5.605	-0.003	10893542	2.00	2.02	
		Average of Peak Amounts =				1.99	
						RPD = 13.90	
$ 15 DCB Decachlorobiphenyl							
1	6.929	6.931	-0.002	1207352	0.0500	0.0485	a
2	6.547	6.553	-0.005	3297871	0.0500	0.0493	a
						RPD = 1.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00004 Amount Added: 0.25 Units: mL

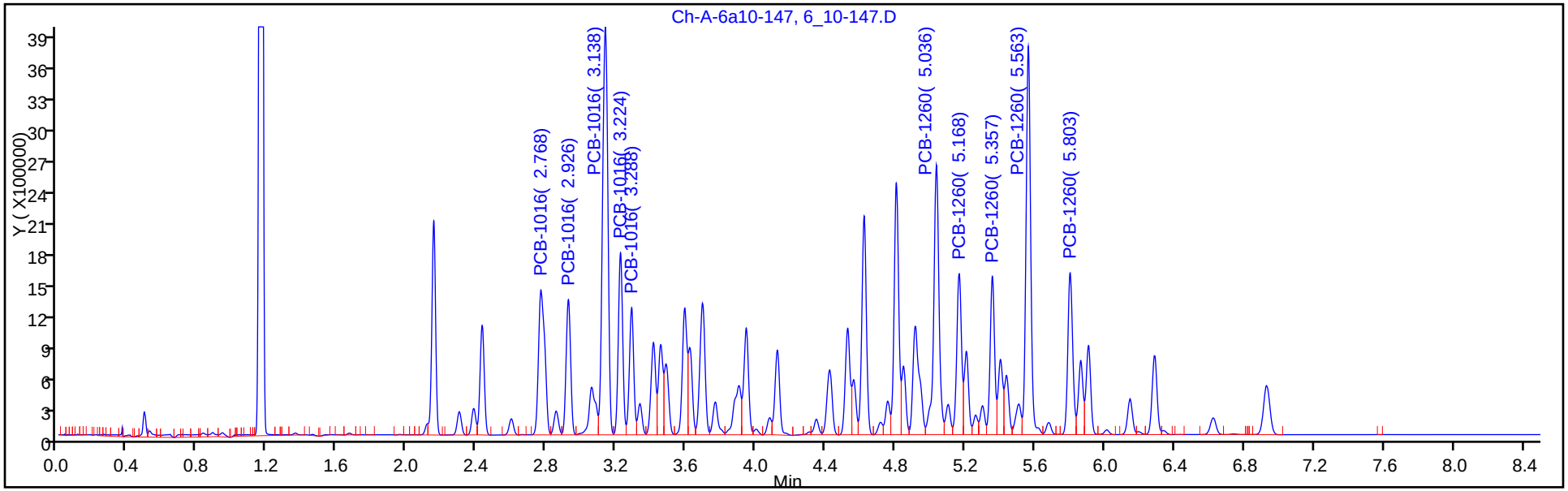
Report Date: 16-Sep-2016 21:30:30 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

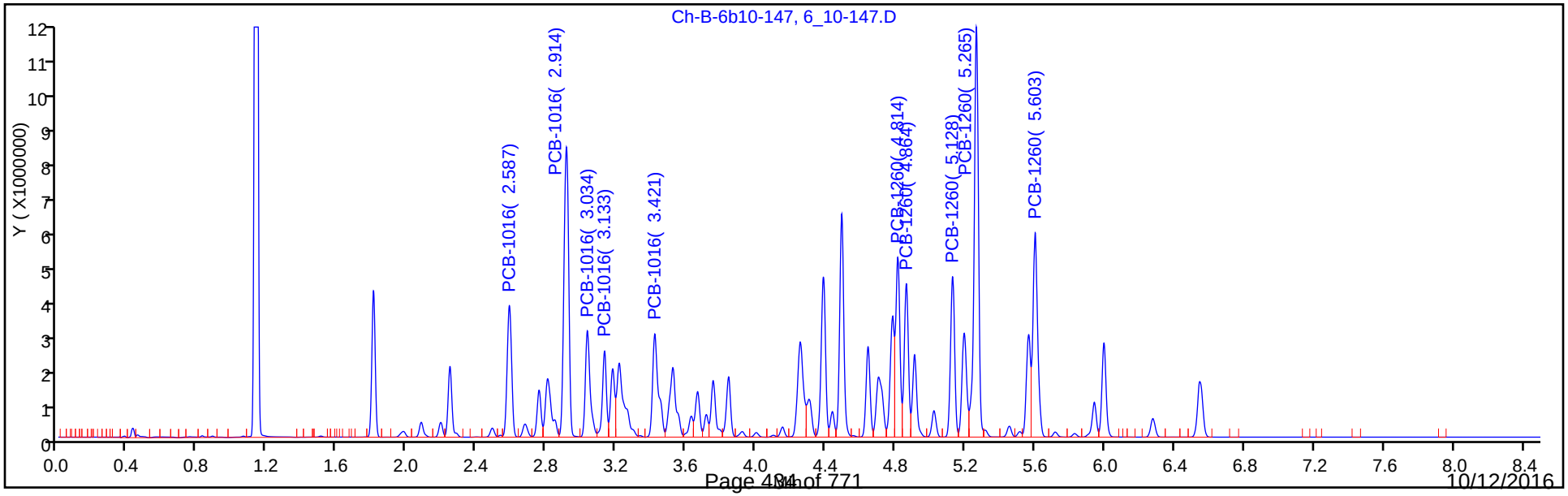
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-147.D

Injection Date:	15-Sep-2016 20:00:13	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

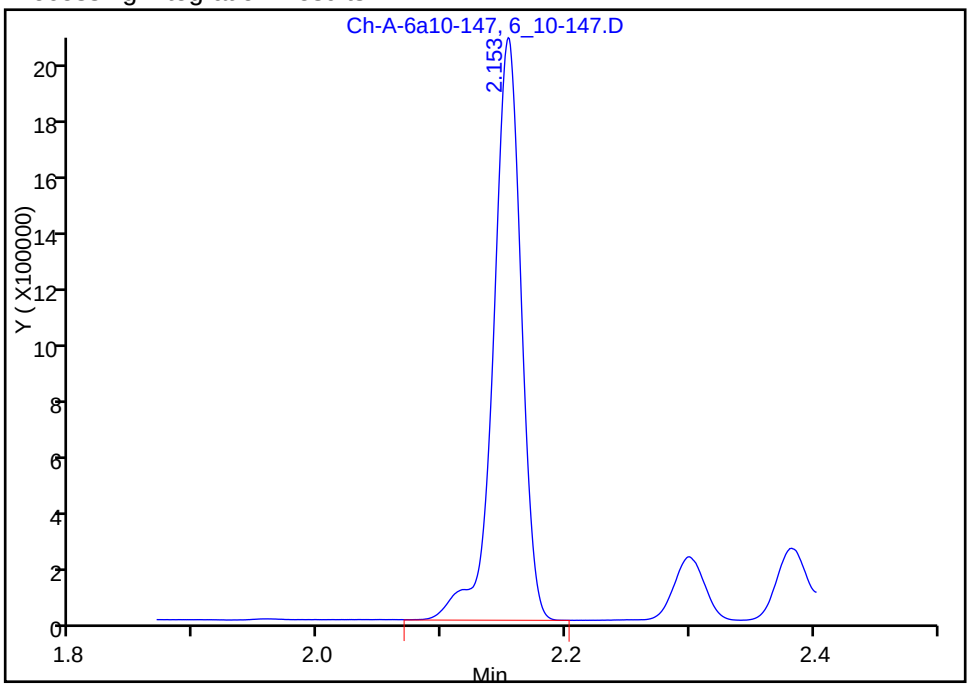
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-147.D
Injection Date: 15-Sep-2016 20:00:13 Instrument ID: HP6890-6
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

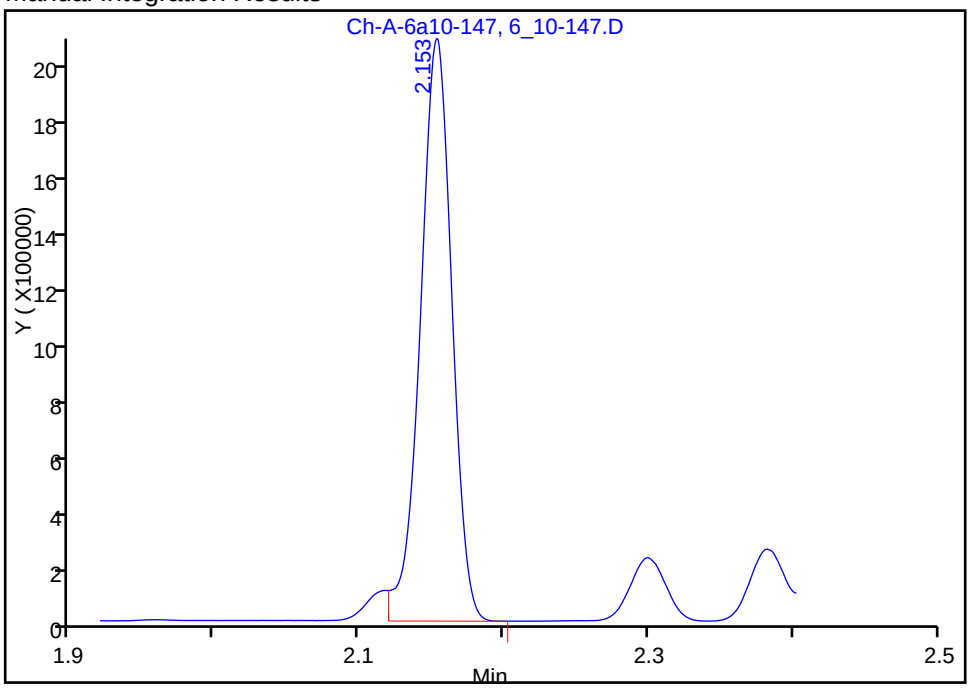
Processing Integration Results

RT: 2.15
Area: 3178243
Amount: 0.045046
Amount Units: ng/uL



Manual Integration Results

RT: 2.15
Area: 3065530
Amount: 0.050326
Amount Units: ng/uL



Reviewer: sobolk, 16-Sep-2016 19:01:00
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-148.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 15-Sep-2016 20:16:07 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:40 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 17:07:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.164	0.001	27650053	0.5000	0.5000	
2	1.138	1.139	-0.001	50362921	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.154	2.157	-0.003	1410754	0.0250	0.0238	
2	1.809	1.811	-0.002	2496467	0.0250	0.0226	
						RPD = 5.11	
6 PCB-1016							
1	2.768	2.763	0.005	1694102	1.00	0.8138	
1	2.927	2.927	0.000	1233162	1.00	1.03	
1	3.138	3.139	-0.001	4150870	1.00	0.8659	
1	3.225	3.225	0.000	1546554	1.00	1.02	
1	3.288	3.289	-0.001	1075686	1.00	1.02	
		Average of Peak Amounts =				0.9501	
2	2.588	2.591	-0.003	3341007	1.00	0.8762	
2	2.916	2.918	-0.002	7255107	1.00	0.9188	
2	3.037	3.038	-0.001	2751428	1.00	0.9139	
2	3.133	3.136	-0.003	1842254	1.00	0.9225	
2	3.423	3.423	-0.001	3195021	1.00	0.9156	
		Average of Peak Amounts =				0.9094	
						RPD = 4.38	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.037	5.037	0.000	2668546	1.00	0.8741	
1	5.167	5.167	0.000	1446153	1.00	0.8563	
1	5.358	5.357	0.001	1334417	1.00	0.8606	
1	5.563	5.564	-0.001	3245864	1.00	0.9187	M
1	5.803	5.805	-0.002	1469467	1.00	0.8782	
		Average of Peak Amounts =				0.8776	
2	4.816	4.818	-0.002	3970321	1.00	0.9561	
2	4.864	4.866	-0.002	3400664	1.00	0.9409	
2	5.129	5.132	-0.003	3530927	1.00	0.9697	
2	5.267	5.268	-0.001	9227920	1.00	1.00	
2	5.603	5.605	-0.002	5062725	1.00	0.9751	
		Average of Peak Amounts =				0.9684	
						RPD = 9.84	
$ 15 DCB Decachlorobiphenyl							
1	6.931	6.931	0.000	621109	0.0250	0.0256	
2	6.549	6.553	-0.003	1634928	0.0250	0.0252	
						RPD = 1.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00005 Amount Added: 0.25 Units: mL

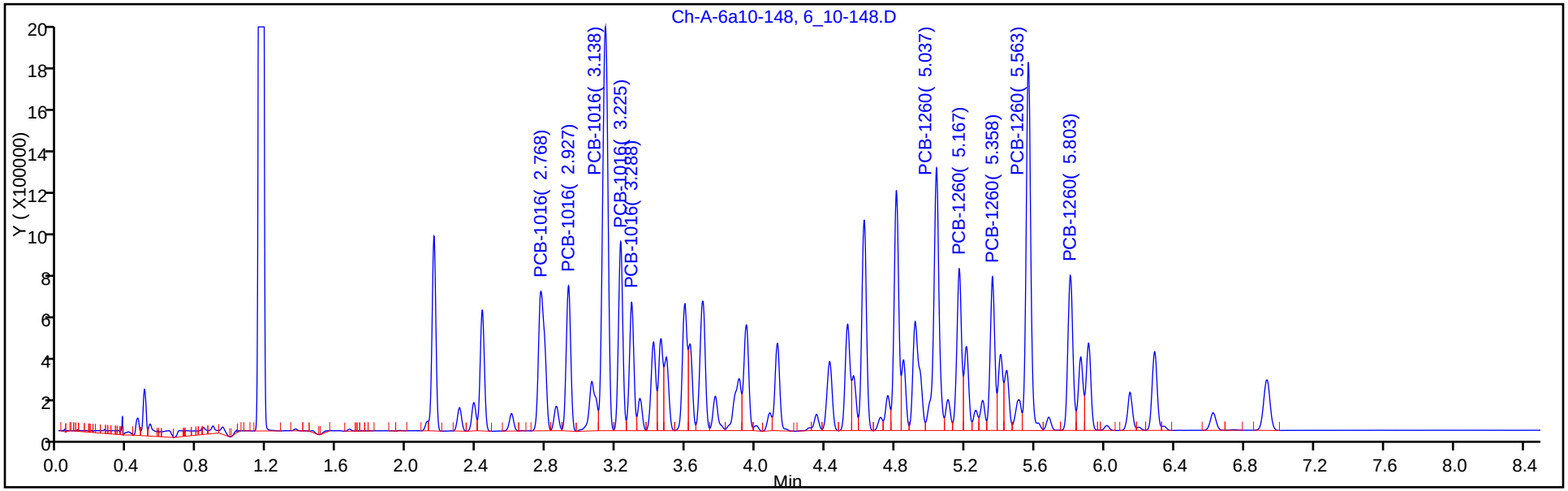
Report Date: 16-Sep-2016 21:30:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

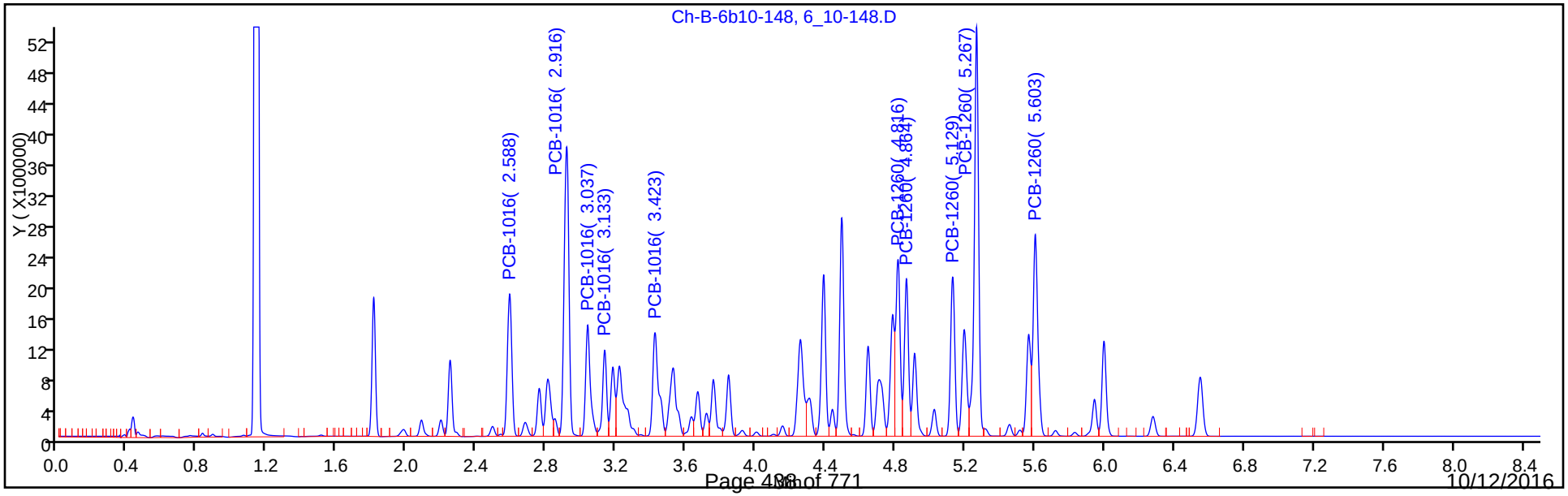
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-148.D

Injection Date:	15-Sep-2016 20:16:07	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:30:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-148.D

Injection Date: 15-Sep-2016 20:16:07 Instrument ID: HP6890-6

Lims ID: IC 6

Client ID:

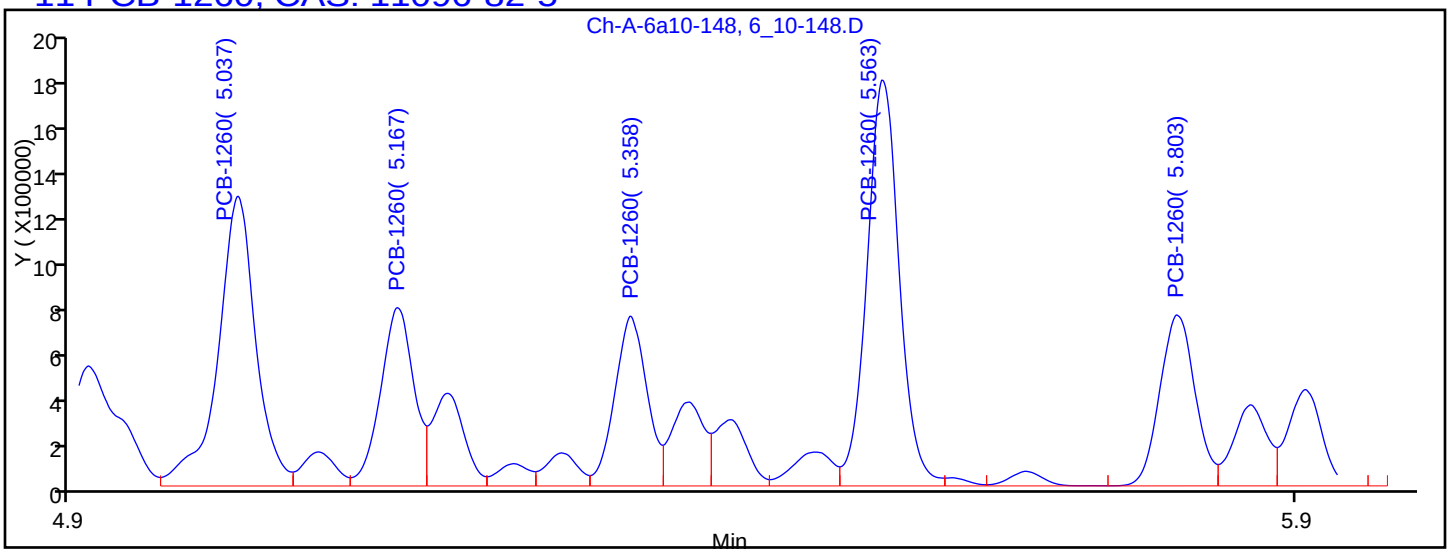
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

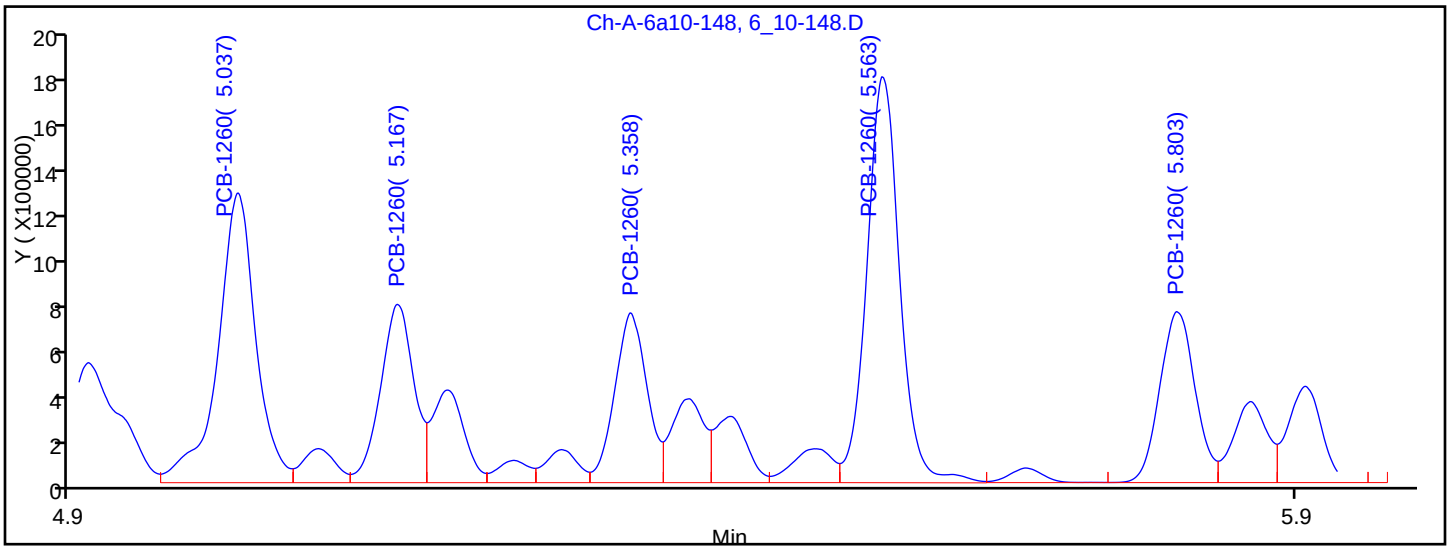
Column: Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.037	Response = 2668546
5.167	Response = 1446153
5.358	Response = 1334417
5.563	Response = 3198334
5.803	Response = 1469467



Manual Integration Results

5.037	Response = 2668546	
5.167	Response = 1446153	
5.358	Response = 1334417	
5.563	Response = 3245864	M
5.803	Response = 1469467	

Reviewer: sobolk, 16-Sep-2016 18:54:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-149.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 15-Sep-2016 20:32:13 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:45 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:37:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.164	0.000	29194051	0.5000	0.5000	
2	1.138	1.138	0.000	52065101	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.154	2.154	0.000	809172	0.0125	0.0128	
2	1.809	1.809	0.000	1345629	0.0125	0.0118	
						RPD = 8.09	
6 PCB-1016							
1	2.769	2.769	0.000	1001599	0.5000	0.4557	
1	2.926	2.926	0.000	695144	0.5000	0.5386	
1	3.139	3.139	0.000	2227453	0.5000	0.4401	
1	3.225	3.225	0.000	848719	0.5000	0.5199	
1	3.290	3.290	0.000	587225	0.5000	0.5177	
		Average of Peak Amounts =				0.4944	
2	2.588	2.588	0.000	1806845	0.5000	0.4584	
2	2.916	2.916	0.000	3799494	0.5000	0.4654	
2	3.036	3.036	0.000	1458566	0.5000	0.4686	
2	3.134	3.134	0.000	972243	0.5000	0.4709	
2	3.423	3.423	0.000	1695859	0.5000	0.4701	
		Average of Peak Amounts =				0.4667	
						RPD = 5.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.036	5.036	0.000	1404194	0.5000	0.4356	
1	5.166	5.166	0.000	774800	0.5000	0.4345	
1	5.358	5.358	0.000	708371	0.5000	0.4327	
1	5.564	5.564	0.000	1666362	0.5000	0.4467	
1	5.803	5.803	0.000	777999	0.5000	0.4404	
		Average of Peak Amounts =				0.4380	
2	4.817	4.817	0.000	2036933	0.5000	0.4745	
2	4.864	4.864	0.000	1749446	0.5000	0.4682	
2	5.130	5.130	0.000	1801258	0.5000	0.4785	
2	5.267	5.267	0.000	4667302	0.5000	0.4894	
2	5.603	5.603	0.000	2571833	0.5000	0.4791	
		Average of Peak Amounts =				0.4780	
						RPD = 8.73	
$ 15 DCB Decachlorobiphenyl							
1	6.933	6.933	0.000	336364	0.0125	0.0129	
2	6.549	6.549	0.000	863478	0.0125	0.0127	
						RPD = 1.56	

Reagents:

1660sur/is0.5_00004 Amount Added: 0.25 Units: mL

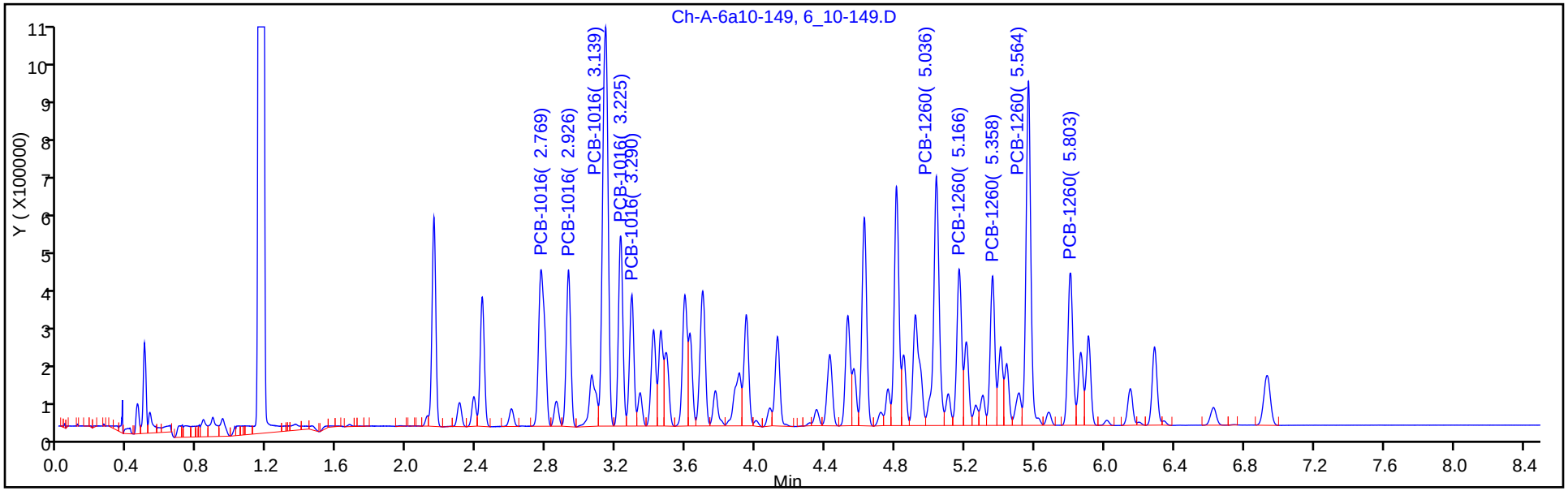
Report Date: 16-Sep-2016 21:30:46 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

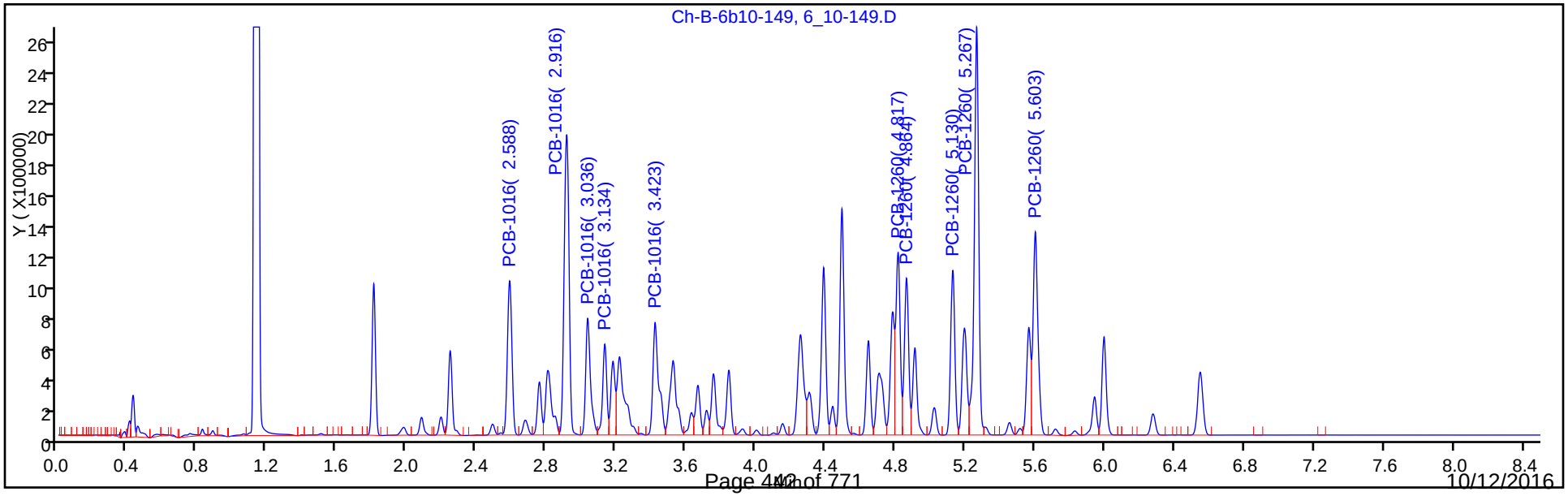
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-149.D

Injection Date:	15-Sep-2016 20:32:13	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-150.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 15-Sep-2016 20:48:10 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:49 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:37:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.164	0.001	29118047	0.5000	0.5000	
2	1.138	1.138	0.000	52265109	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.155	2.154	0.001	359542	0.005000	0.005525	
2	1.810	1.809	0.001	573599	0.005000	0.005012	
						RPD = 9.75	
6 PCB-1016							
1	2.769	2.769	0.000	464531	0.2000	0.2119	
1	2.927	2.926	0.001	307897	0.2000	0.2255	
1	3.139	3.139	0.000	966461	0.2000	0.1914	
1	3.227	3.225	0.002	372904	0.2000	0.2165	
1	3.289	3.290	-0.001	254193	0.2000	0.2136	
		Average of Peak Amounts =				0.2118	
2	2.589	2.588	0.001	773433	0.2000	0.1955	
2	2.915	2.916	-0.001	1566683	0.2000	0.1912	
2	3.037	3.036	0.001	607565	0.2000	0.1945	
2	3.135	3.134	0.001	398714	0.2000	0.1924	
2	3.423	3.423	0.001	704359	0.2000	0.1945	
		Average of Peak Amounts =				0.1936	
						RPD = 8.97	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.037	5.036	0.001	611269	0.2000	0.1901	
1	5.168	5.166	0.002	334247	0.2000	0.1879	
1	5.357	5.358	-0.001	311819	0.2000	0.1910	
1	5.565	5.564	0.001	704736	0.2000	0.1894	
1	5.803	5.803	0.000	332520	0.2000	0.1887	
		Average of Peak Amounts =				0.1894	
2	4.816	4.817	-0.001	827810	0.2000	0.1921	
2	4.866	4.864	0.002	708343	0.2000	0.1889	
2	5.130	5.130	0.000	721638	0.2000	0.1910	
2	5.267	5.267	0.000	1816046	0.2000	0.1897	
2	5.603	5.603	0.000	1043353	0.2000	0.1936	
		Average of Peak Amounts =				0.1911	
						RPD = 0.85	
$ 15 DCB Decachlorobiphenyl							
1	6.933	6.933	-0.001	144292	0.005000	0.005310	
2	6.550	6.549	0.001	363365	0.005000	0.005177	
						RPD = 2.55	

Reagents:

1660sur/is0.2_00004 Amount Added: 0.25 Units: mL

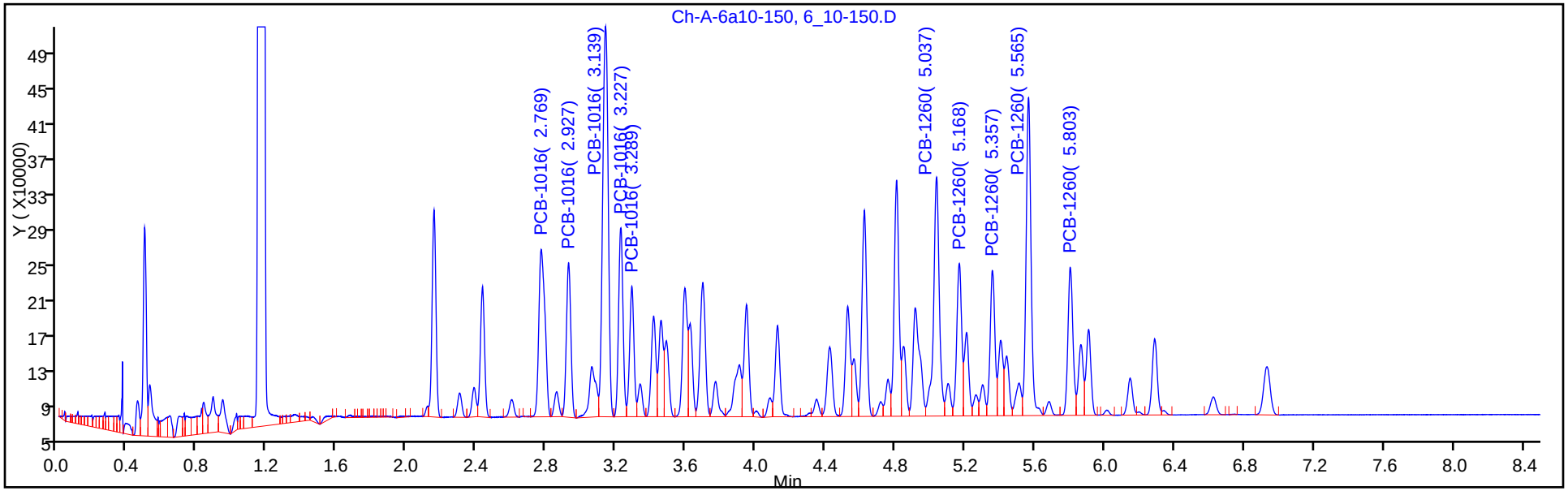
Report Date: 16-Sep-2016 21:30:50 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

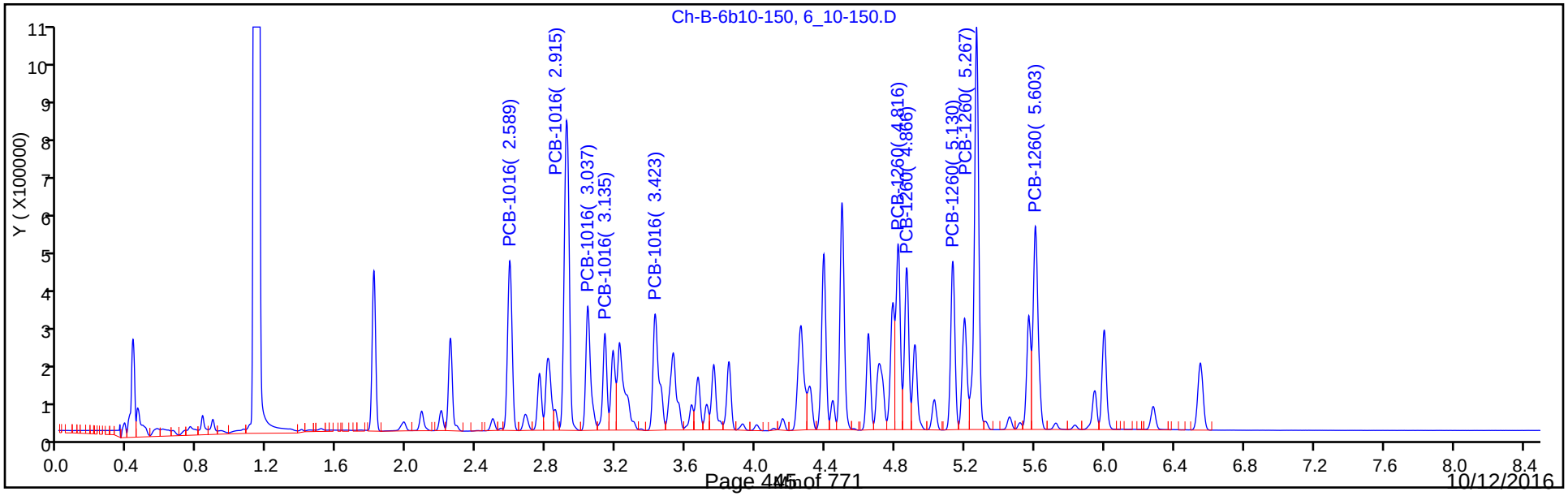
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-150.D

Injection Date:	15-Sep-2016 20:48:10	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-151.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-Sep-2016 21:04:14 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:55 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:36:36

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.164	0.000	29192313	0.5000	0.5000	
2	1.138	1.138	0.000	52050161	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.153	2.154	-0.001	178191	0.002500	0.002571	
2	1.811	1.809	0.002	286936	0.002500	0.002517	
						RPD = 2.11	
6 PCB-1016							M
1	2.767	2.769	-0.002	238211	0.1000	0.1084	
1	2.926	2.926	0.000	170003	0.1000	0.1131	M
1	3.137	3.139	-0.002	519791	0.1000	0.1027	M
1	3.223	3.225	-0.002	202846	0.1000	0.1072	M
1	3.289	3.290	-0.001	138028	0.1000	0.1067	M
		Average of Peak Amounts =				0.1076	
2	2.589	2.588	0.001	407934	0.1000	0.1035	M
2	2.917	2.916	0.001	802216	0.1000	0.0983	M
2	3.036	3.036	0.000	313690	0.1000	0.1008	M
2	3.135	3.134	0.001	207616	0.1000	0.1006	M
2	3.424	3.423	0.002	361165	0.1000	0.1001	
		Average of Peak Amounts =				0.1007	
						RPD = 6.67	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.034	5.036	-0.002	324399	0.1000	0.1006	
1	5.167	5.166	0.001	180660	0.1000	0.1013	
1	5.358	5.358	0.000	164800	0.1000	0.1007	
1	5.563	5.564	-0.002	367524	0.1000	0.0985	
1	5.804	5.803	0.001	176262	0.1000	0.0998	
		Average of Peak Amounts =				0.1002	
2	4.818	4.817	0.001	418121	0.1000	0.0974	M
2	4.866	4.864	0.002	366804	0.1000	0.0982	M
2	5.131	5.130	0.001	368186	0.1000	0.0978	M
2	5.268	5.267	0.001	914704	0.1000	0.0959	M
2	5.605	5.603	0.002	522693	0.1000	0.0974	
		Average of Peak Amounts =				0.0974	
						RPD = 2.86	
$ 15 DCB Decachlorobiphenyl							
1	6.930	6.933	-0.003	79156	0.002500	0.002707	
2	6.551	6.549	0.002	194350	0.002500	0.002654	
						RPD = 2.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00005 Amount Added: 0.25 Units: mL

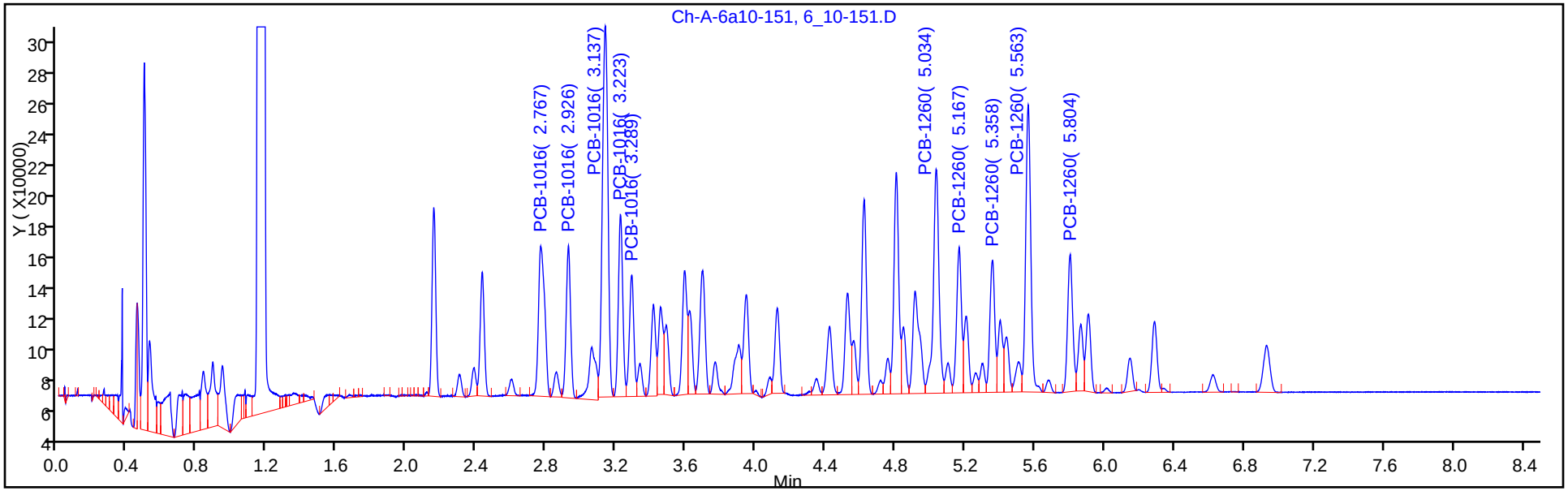
Report Date: 16-Sep-2016 21:30:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

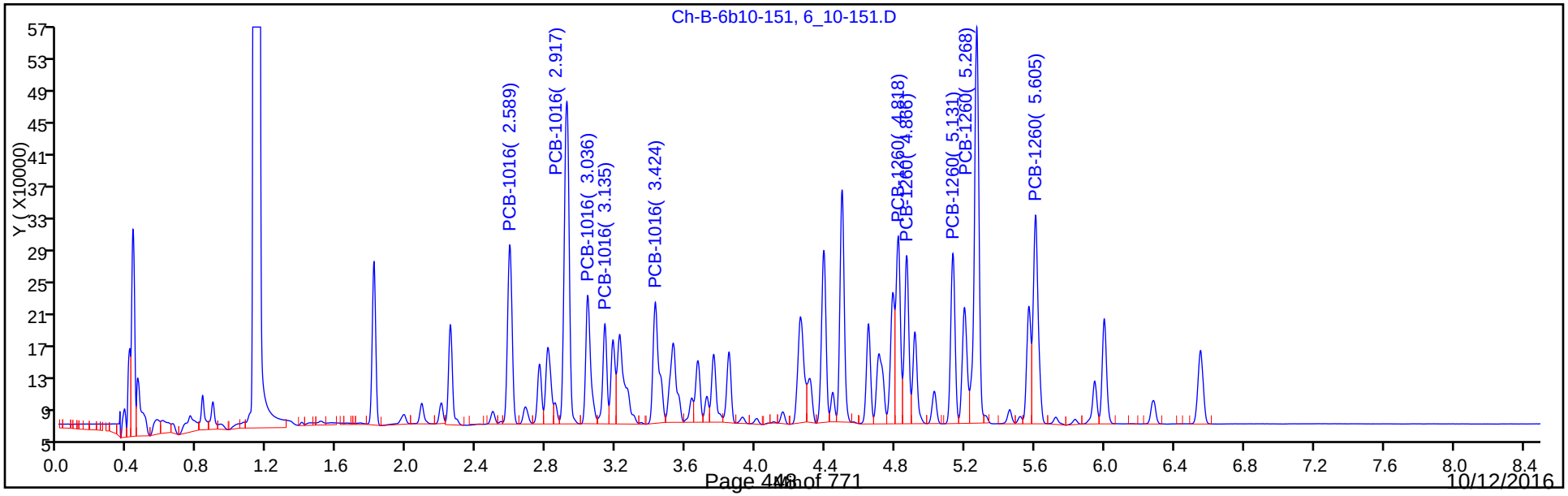
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-151.D

Injection Date:	15-Sep-2016 21:04:14	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:30:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-151.D

Injection Date: 15-Sep-2016 21:04:14 Instrument ID: HP6890-6

Lims ID: IC 3

Client ID:

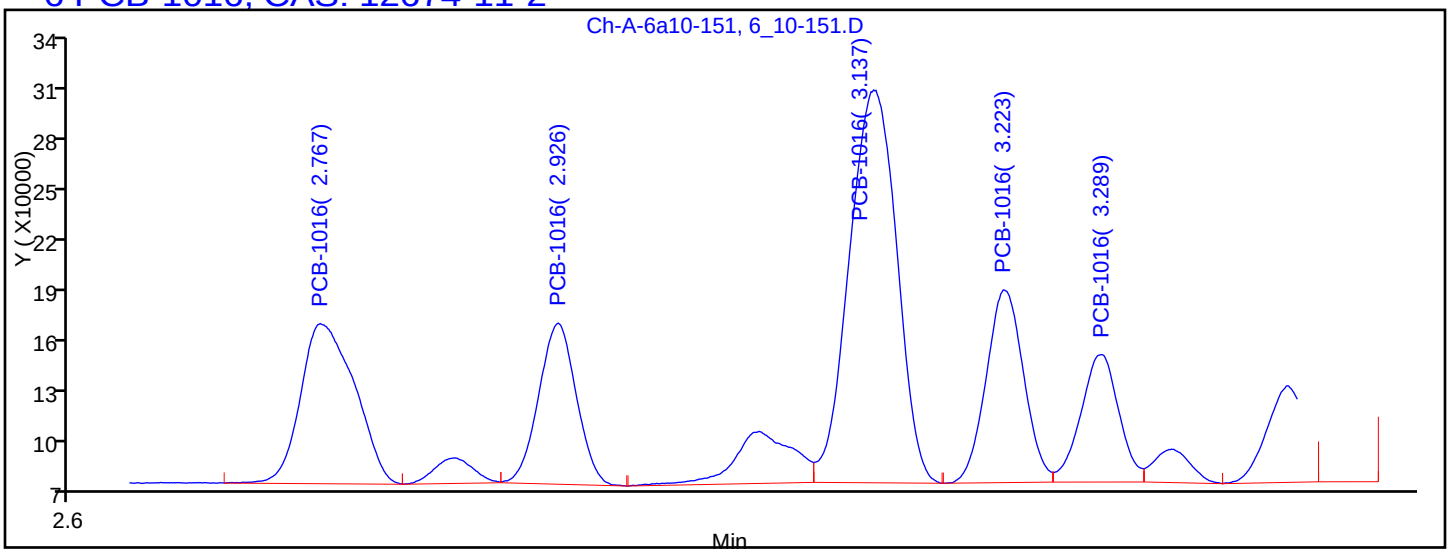
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

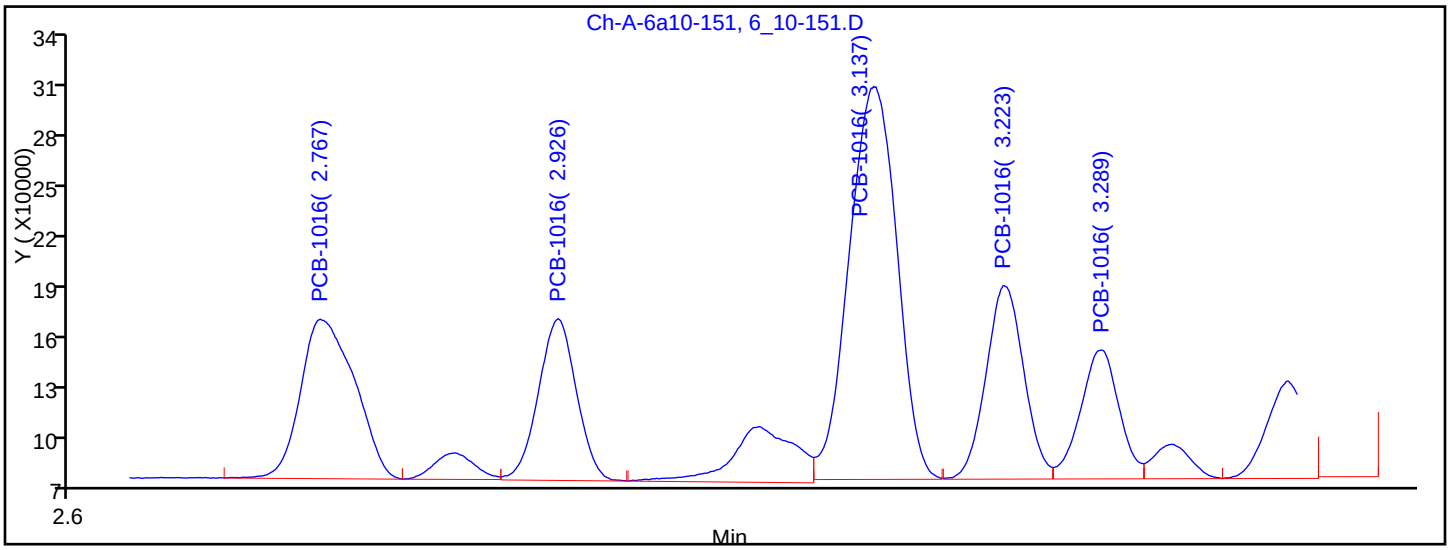
Column: Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.767	Response = 238211
2.926	Response = 166493
3.137	Response = 514742
3.223	Response = 198895
3.289	Response = 133896



Manual Integration Results

2.767	Response = 238211	
2.926	Response = 170003	M
3.137	Response = 519791	M
3.223	Response = 202846	M
3.289	Response = 138028	M

Reviewer: sobolk, 16-Sep-2016 18:53:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Sep-2016 21:20:07 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:31:02 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:35:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.164	0.000	28106711	0.5000	0.5000	
2	1.138	1.138	0.000	50200072	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.154	2.154	0.000	94550	0.001250	0.001275	M
2	1.810	1.809	0.001	143871	0.001250	0.001309	M
						RPD = 2.63	
6 PCB-1016							M
1	2.767	2.769	-0.002	120123	0.0500	0.0568	M
1	2.926	2.926	0.000	91009	0.0500	0.0520	M
1	3.138	3.139	-0.001	277124	0.0500	0.0569	M
1	3.224	3.225	-0.001	110809	0.0500	0.0511	M
1	3.288	3.290	-0.002	75393	0.0500	0.0521	M
		Average of Peak Amounts =				0.0538	
2	2.589	2.588	0.001	216225	0.0500	0.0569	M
2	2.917	2.916	0.001	416755	0.0500	0.0529	M
2	3.038	3.036	0.002	165415	0.0500	0.0551	M
2	3.135	3.134	0.001	109033	0.0500	0.0548	M
2	3.423	3.423	0.001	188753	0.0500	0.0543	
		Average of Peak Amounts =				0.0548	
						RPD = 1.93	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.033	5.036	-0.003	177793	0.0500	0.0573	
1	5.165	5.166	-0.001	101566	0.0500	0.0592	
1	5.355	5.358	-0.003	92079	0.0500	0.0584	
1	5.563	5.564	-0.002	199370	0.0500	0.0555	
1	5.803	5.803	-0.001	99110	0.0500	0.0583	
		Average of Peak Amounts =				0.0577	
2	4.817	4.817	0.000	214183	0.0500	0.0517	
2	4.866	4.864	0.002	191440	0.0500	0.0531	
2	5.131	5.130	0.001	189695	0.0500	0.0523	
2	5.268	5.267	0.001	462438	0.0500	0.0503	
2	5.603	5.603	-0.001	265757	0.0500	0.0514	
		Average of Peak Amounts =				0.0518	
						RPD = 10.91	
$ 15 DCB Decachlorobiphenyl							
1	6.931	6.933	-0.002	43121	0.001250	0.001341	
2	6.551	6.549	0.002	103117	0.001250	0.001337	
						RPD = 0.34	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00004 Amount Added: 0.25 Units: mL

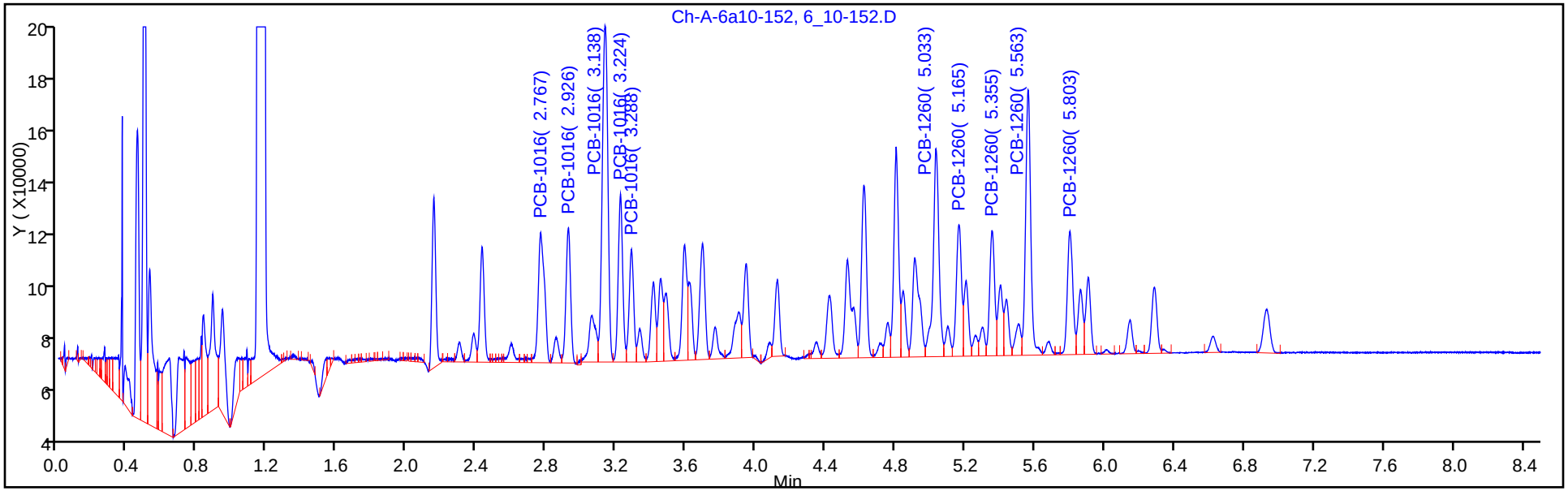
Report Date: 16-Sep-2016 21:31:03 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

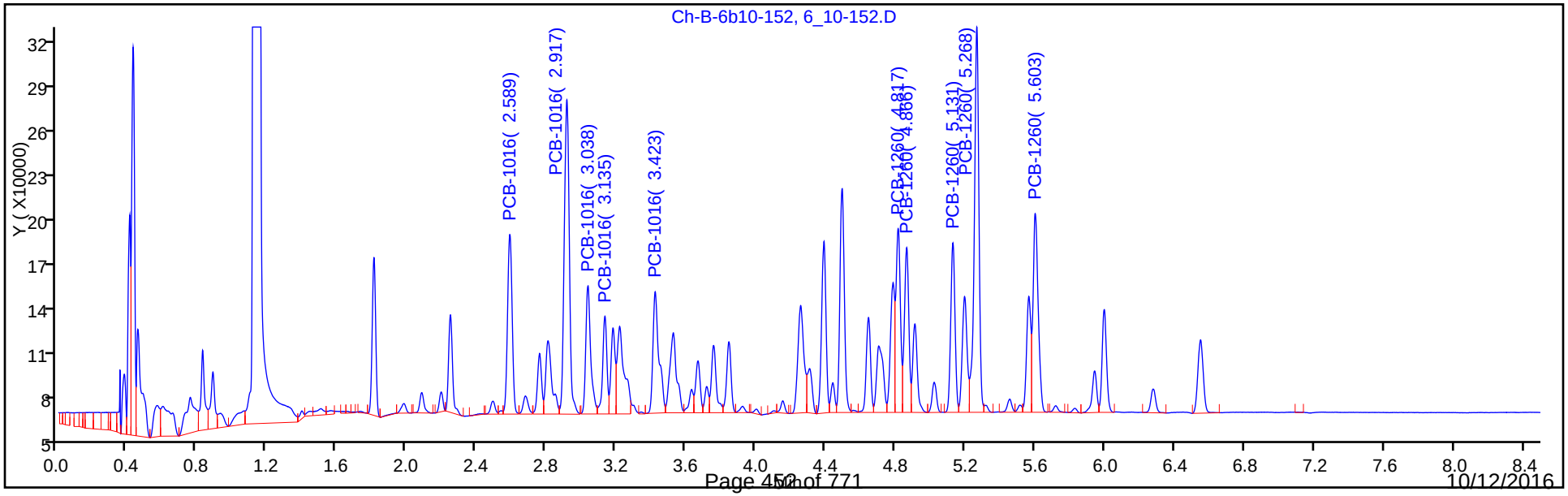
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D

Injection Date:	15-Sep-2016 21:20:07	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

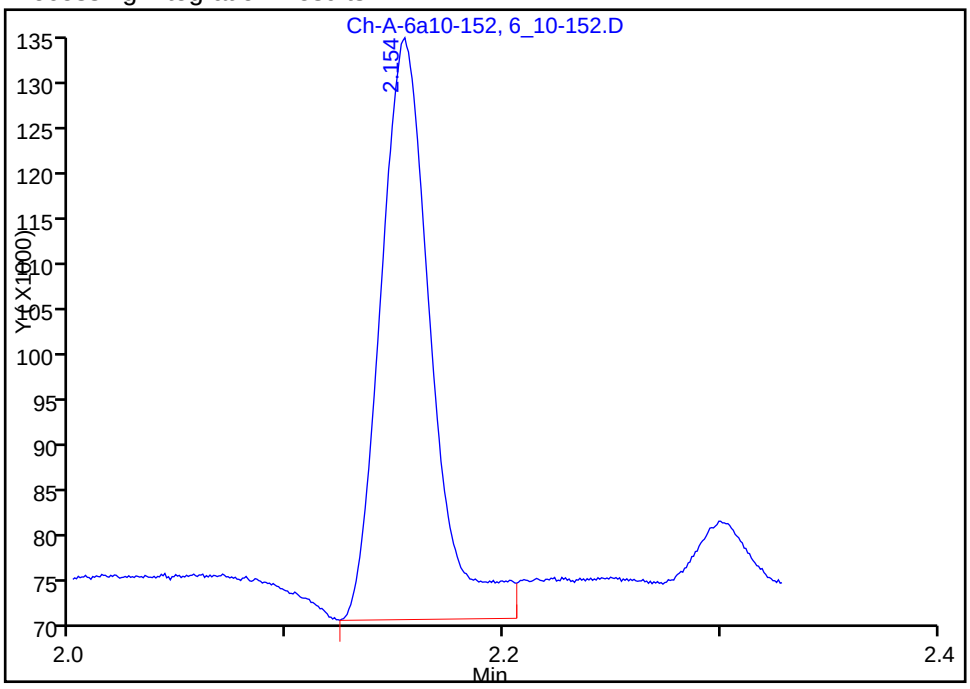
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D
Injection Date: 15-Sep-2016 21:20:07 Instrument ID: HP6890-6
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

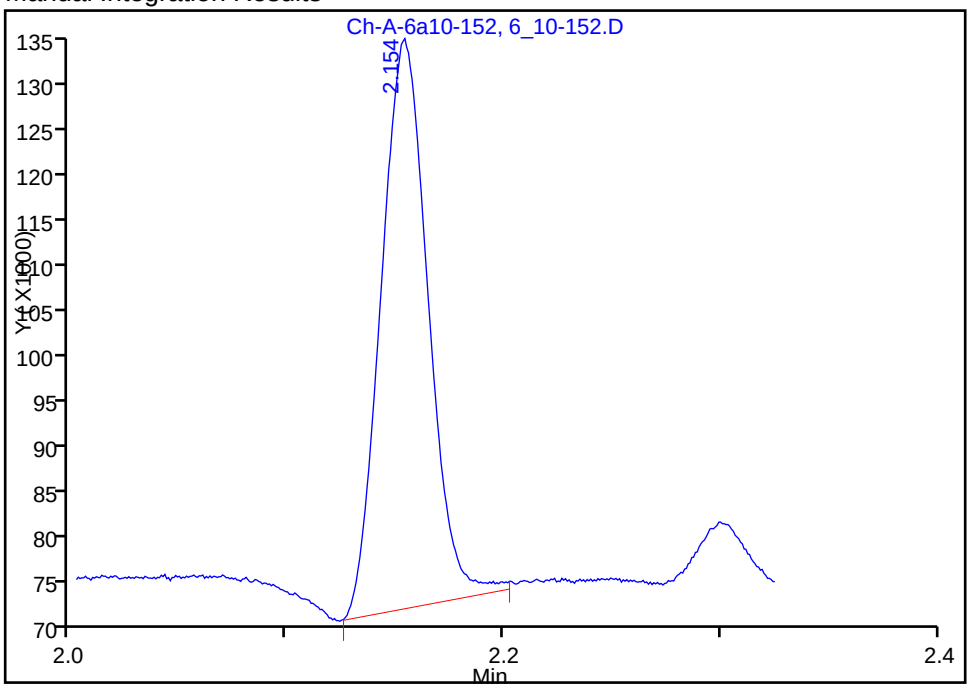
Processing Integration Results

RT: 2.15
Area: 103195
Amount: 0.001469
Amount Units: ng/uL



Manual Integration Results

RT: 2.15
Area: 94550
Amount: 0.001275
Amount Units: ng/uL



Reviewer: sobolk, 16-Sep-2016 19:00:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 16-Sep-2016 21:31:03 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D

Injection Date: 15-Sep-2016 21:20:07 Instrument ID: HP6890-6

Lims ID: IC 2

Client ID:

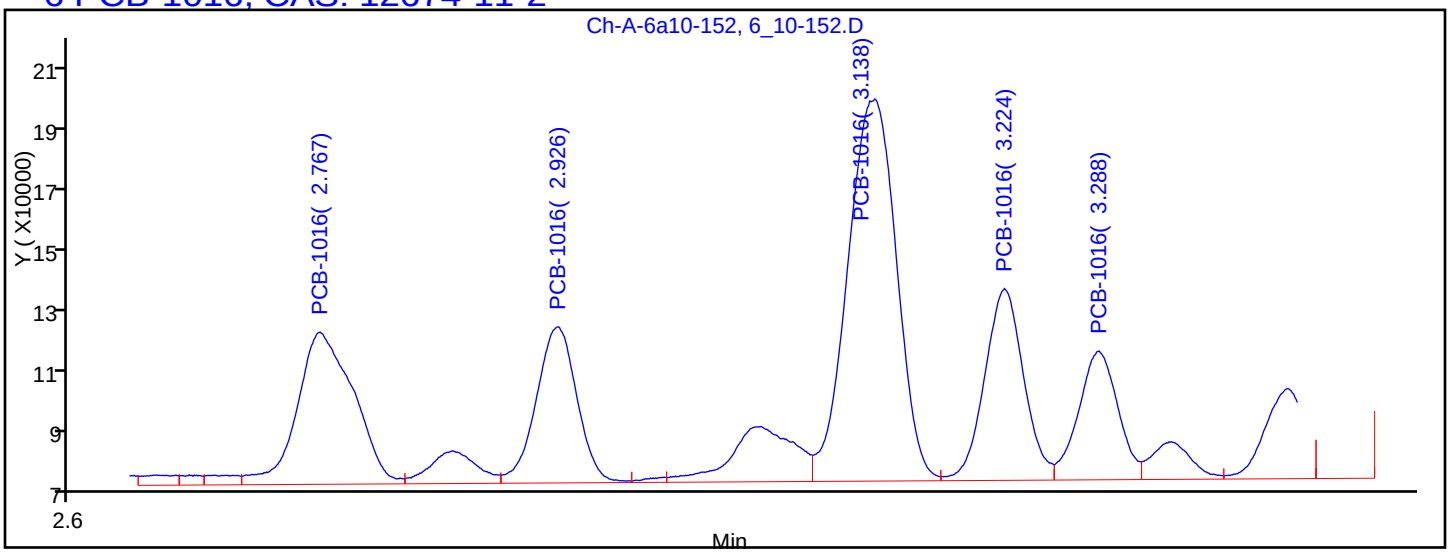
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

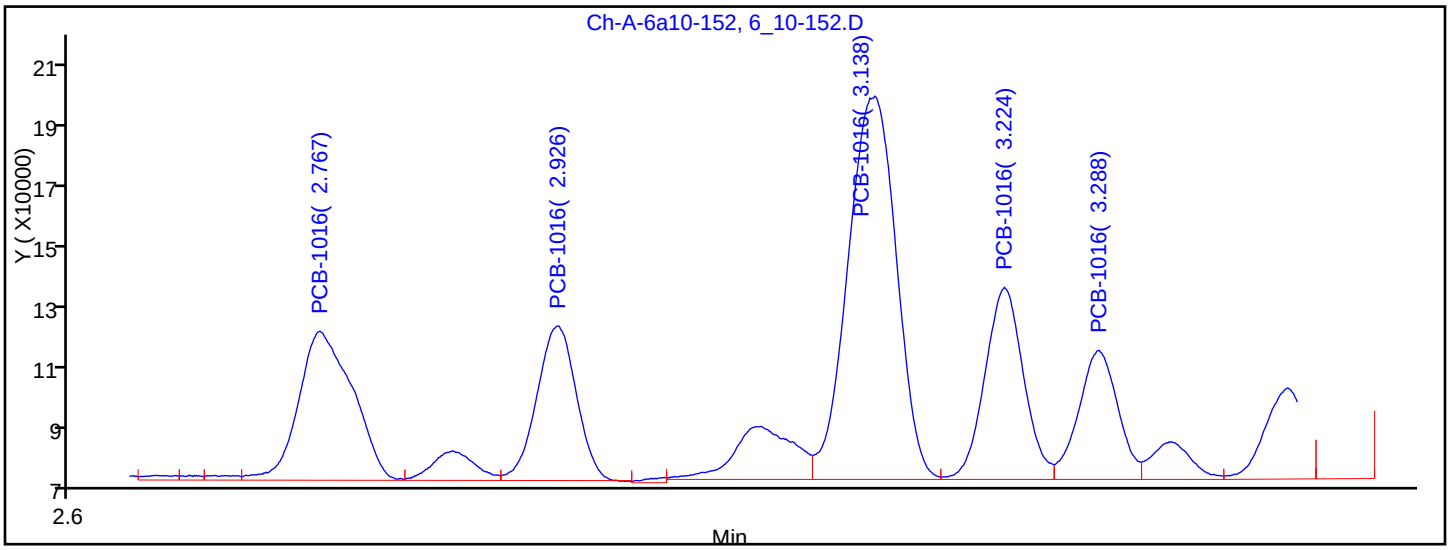
Column: Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.767	Response = 129424
2.926	Response = 95572
3.138	Response = 280436
3.224	Response = 112707
3.288	Response = 76196



Manual Integration Results

2.767	Response = 120123	M
2.926	Response = 91009	M
3.138	Response = 277124	M
3.224	Response = 110809	M
3.288	Response = 75393	M

Reviewer: sobolk, 16-Sep-2016 18:55:12

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-153.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-Sep-2016 21:36:09 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:31:10 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:34:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.165	0.000	27795172	0.5000	0.5000	
2	1.140	1.140	0.000	49634054	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.156	2.156	0.000	43979	0.000500	0.000432	
2	1.812	1.812	0.000	61381	0.000500	0.000565	
						RPD = 26.70	
6 PCB-1016							M
1	2.767	2.767	0.000	49908	0.0200	0.0238	M
1	2.925	2.925	0.000	44133	0.0200	0.0129	M
1	3.138	3.138	0.000	124867	0.0200	0.0259	M
1	3.225	3.225	0.000	57087	0.0200	0.0159	M
1	3.289	3.289	0.000	36955	0.0200	0.0159	M
		Average of Peak Amounts =				0.0189	
2	2.591	2.591	0.000	91874	0.0200	0.0244	
2	2.917	2.917	0.000	187067	0.0200	0.0240	
2	3.038	3.038	0.000	68526	0.0200	0.0231	
2	3.136	3.136	0.000	44774	0.0200	0.0227	
2	3.425	3.425	0.000	79667	0.0200	0.0232	
		Average of Peak Amounts =				0.0235	
						RPD = 21.71	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.034	5.034	0.000	79385	0.0200	0.0259	M
1	5.167	5.167	0.000	44283	0.0200	0.0261	M
1	5.357	5.357	0.000	40751	0.0200	0.0261	M
1	5.561	5.561	0.000	86012	0.0200	0.0242	M
1	5.803	5.803	0.000	42706	0.0200	0.0254	
		Average of Peak Amounts =				0.0255	
2	4.818	4.818	0.000	93683	0.0200	0.0229	
2	4.865	4.865	0.000	84097	0.0200	0.0236	
2	5.132	5.132	0.000	79813	0.0200	0.0222	
2	5.268	5.268	0.000	192632	0.0200	0.0212	M
2	5.604	5.604	0.000	111033	0.0200	0.0217	
		Average of Peak Amounts =				0.0223	
						RPD = 13.43	
$ 15 DCB Decachlorobiphenyl							
1	6.931	6.931	0.000	19528	0.000500	0.000377	
2	6.549	6.549	0.000	43365	0.000500	0.000412	
						RPD = 8.83	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00004 Amount Added: 0.25 Units: mL

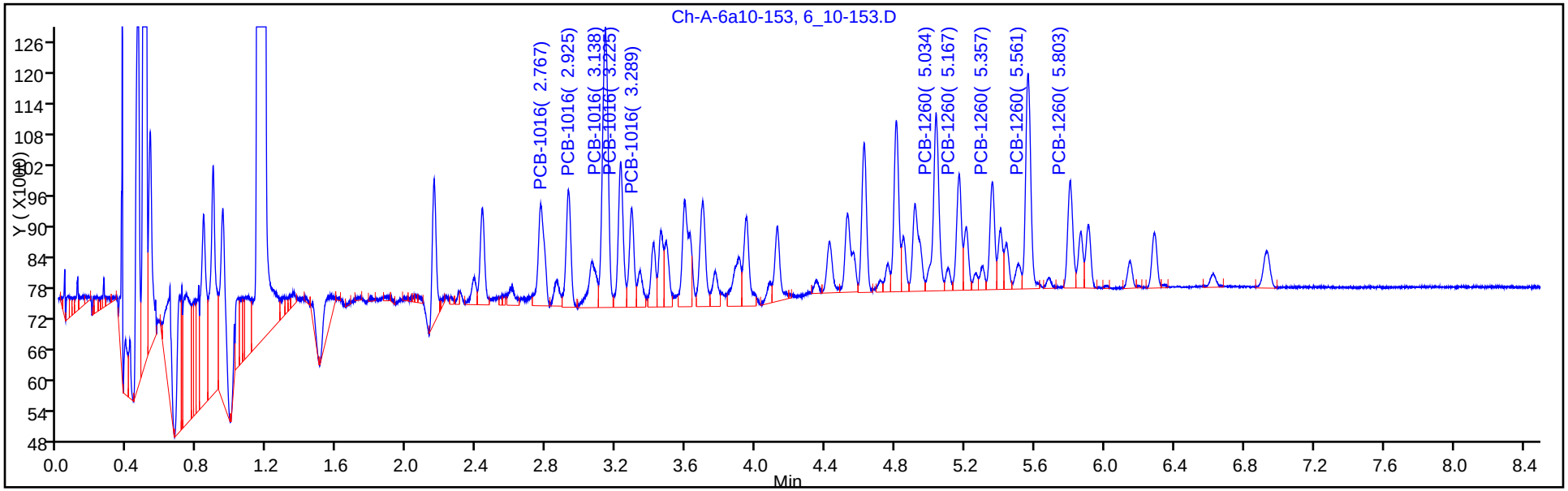
Report Date: 16-Sep-2016 21:31:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

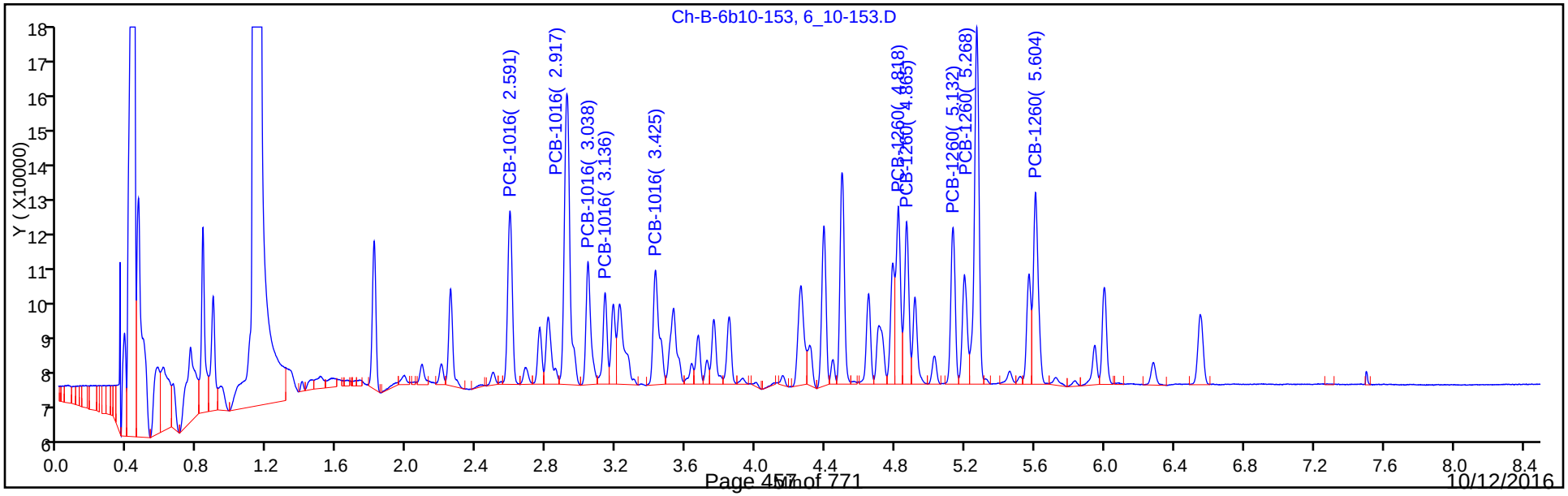
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-153.D

Injection Date:	15-Sep-2016 21:36:09	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:31:11 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-153.D

Injection Date: 15-Sep-2016 21:36:09 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

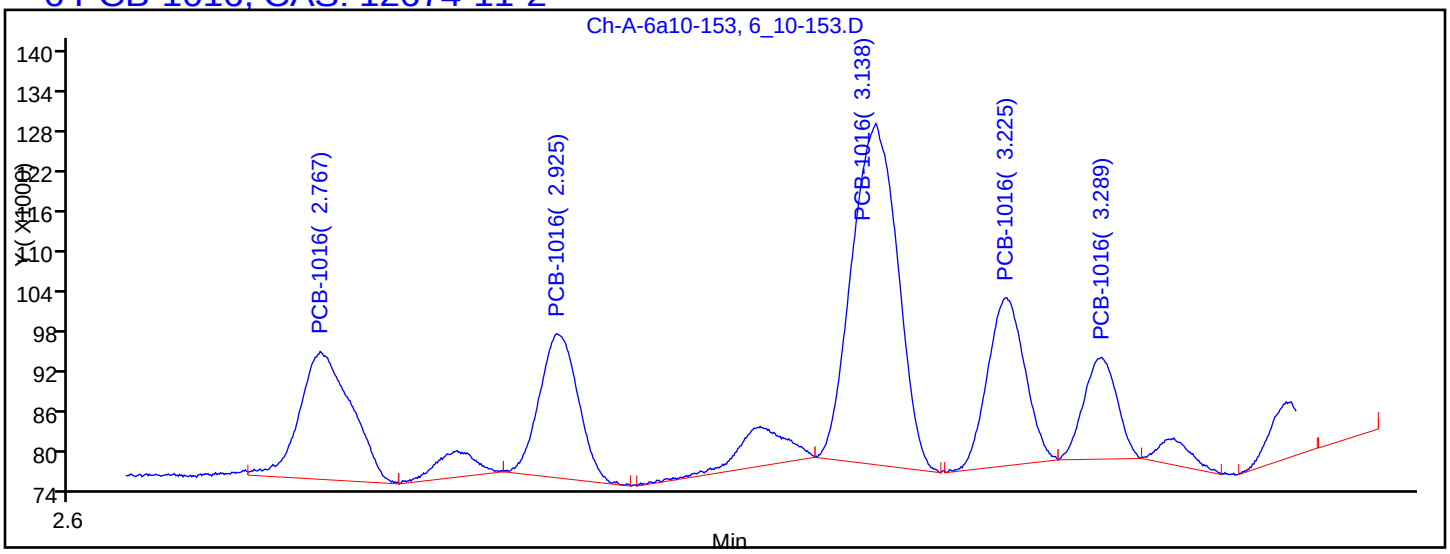
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

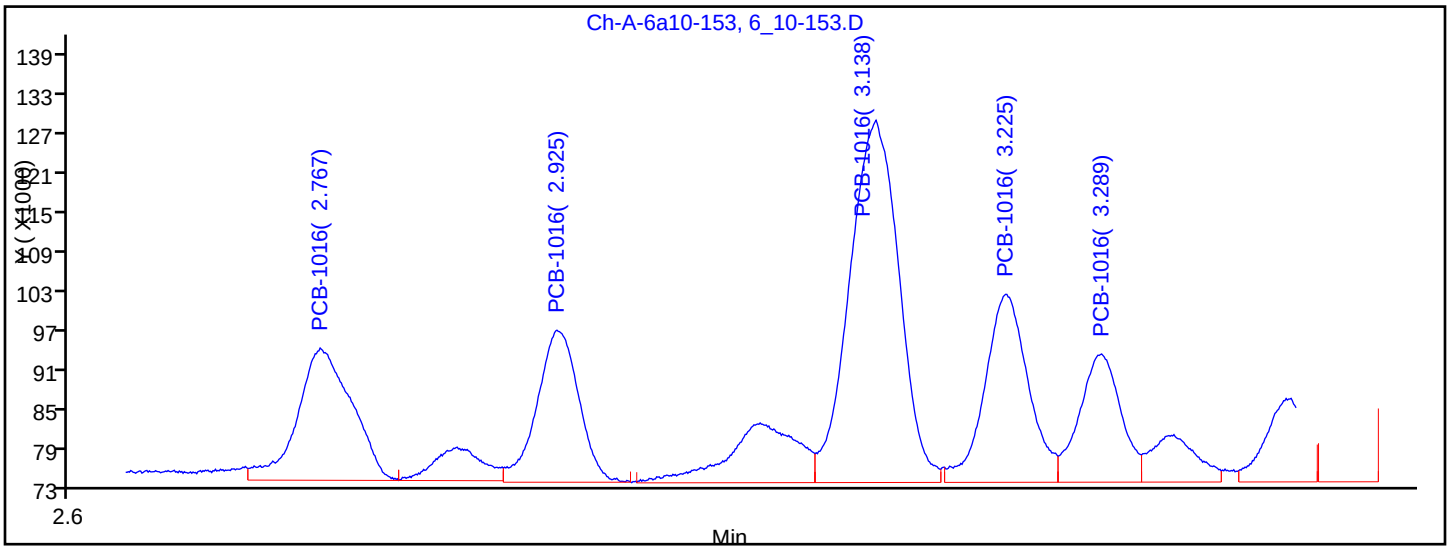
Column: Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.767	Response = 46088	
2.925	Response = 38997	
3.138	Response = 109025	
3.225	Response = 43824	
3.289	Response = 23669	



Manual Integration Results

2.767	Response = 49908	M
2.925	Response = 44133	M
3.138	Response = 124867	M
3.225	Response = 57087	M
3.289	Response = 36955	M

Reviewer: sobolk, 16-Sep-2016 18:56:39

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 16-Sep-2016 21:31:11 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-153.D

Injection Date: 15-Sep-2016 21:36:09 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

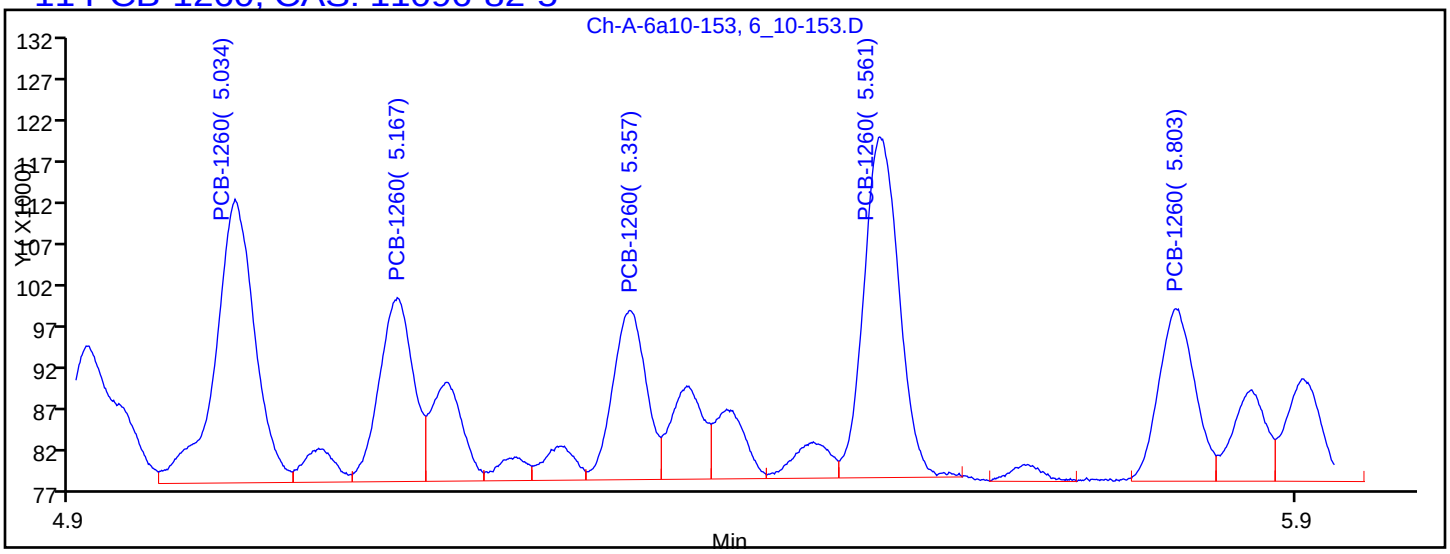
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

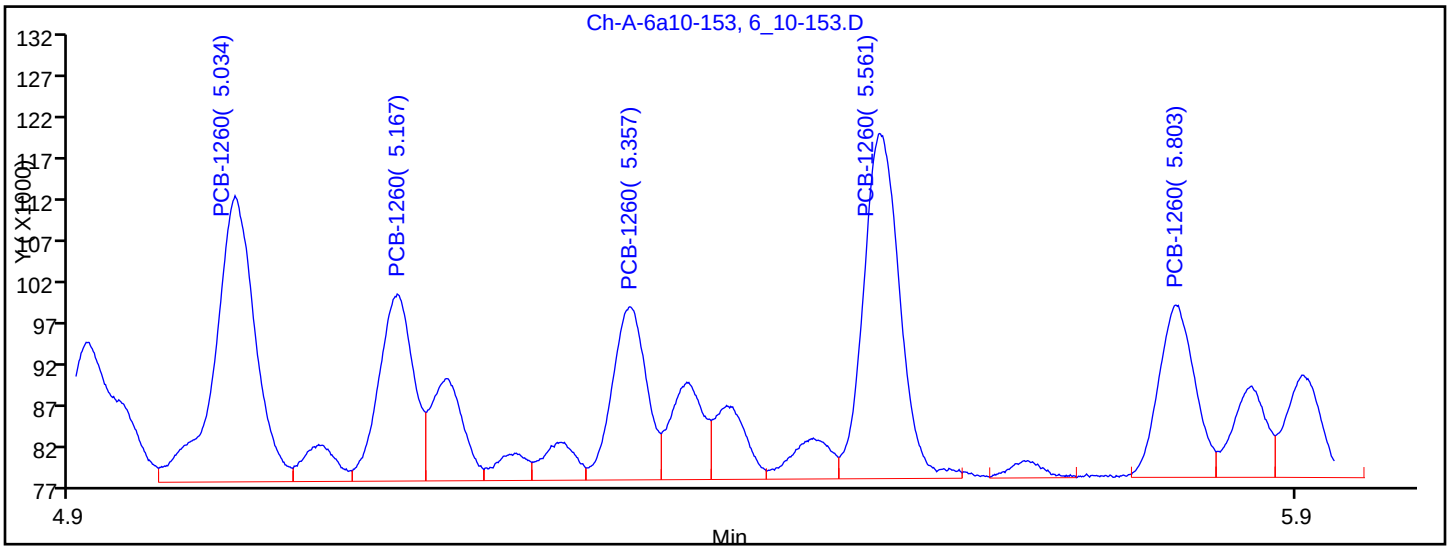
Column: Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.034	Response = 77131
5.167	Response = 42835
5.357	Response = 38934
5.561	Response = 82409
5.803	Response = 42706



Manual Integration Results

5.034	Response = 79385	M
5.167	Response = 44283	M
5.357	Response = 40751	M
5.561	Response = 86012	M
5.803	Response = 42706	

Reviewer: sobolk, 16-Sep-2016 18:56:39

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 20:00 Calibration End Date: 09/15/2016 21:36 Calibration ID: 28348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/9	6_10-153.D
Level 2	IC 480-320599/8	6_10-152.D
Level 3	IC 480-320599/7	6_10-151.D
Level 4	IC 480-320599/6	6_10-150.D
Level 5	ICIS 480-320599/5	6_10-149.D
Level 6	IC 480-320599/4	6_10-148.D
Level 7	IC 480-320599/3	6_10-147.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0463 0.0332	0.0431 0.0316	0.0392	0.0370	0.0347	Ave		0.0379				14.1		20.0			
PCB-1016 Peak 2	0.0942 0.0720	0.0830 0.0745	0.0771	0.0749	0.0730	Ave		0.0784				10.0		20.0			
PCB-1016 Peak 3	0.0345 0.0273	0.0330 0.0272	0.0301	0.0291	0.0280	Ave		0.0299				9.5		20.0			
PCB-1016 Peak 4	0.0226 0.0183	0.0217 0.0185	0.0199	0.0191	0.0187	Ave		0.0198				8.5		20.0			
PCB-1016 Peak 5	0.0401 0.0317	0.0376 0.0321	0.0347	0.0337	0.0326	Ave		0.0346				9.1		20.0			
PCB-1260 Peak 1	0.0472 0.0394	0.0427 0.0404	0.0402	0.0396	0.0391	Ave		0.0412				7.0		20.0			
PCB-1260 Peak 2	0.0424 0.0338	0.0381 0.0342	0.0352	0.0339	0.0336	Ave		0.0359				9.1		20.0			
PCB-1260 Peak 3	0.0402 0.0351	0.0378 0.0355	0.0354	0.0345	0.0346	Ave		0.0361				5.8		20.0			
PCB-1260 Peak 4	0.0970 0.0916	0.0921 0.0959	0.0879	0.0869	0.0896	Ave		0.0916				4.2		20.0			
PCB-1260 Peak 5	0.0559 0.0503	0.0529 0.0522	0.0502	0.0499	0.0494	Ave		0.0515				4.5		20.0			
Tetrachloro-m-xylene	1.2367 0.9914	1.1464 1.0562	1.1025	1.0975	1.0338	Ave		1.0949				7.3		20.0			
DCB Decachlorobiphenyl	0.8737 0.6493	0.8216 0.6320	0.7468	0.6952	0.6634	Lin1	0.0002	0.6378							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 20:00 Calibration End Date: 09/15/2016 21:36 Calibration ID: 28348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/9	6_10-153.D
Level 2	IC 480-320599/8	6_10-152.D
Level 3	IC 480-320599/7	6_10-151.D
Level 4	IC 480-320599/6	6_10-150.D
Level 5	ICIS 480-320599/5	6_10-149.D
Level 6	IC 480-320599/4	6_10-148.D
Level 7	IC 480-320599/3	6_10-147.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	91874 3341007	216225 6590245	407934	773433	1806845	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	187067 7255107	416755 15556109	802216	1566683	3799494	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	68526 2751428	165415 5686623	313690	607565	1458566	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	44774 1842254	109033 3869860	207616	398714	972243	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	79667 3195021	188753 6699219	361165	704359	1695859	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	93683 3970321	214183 8437258	418121	827810	2036933	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	84097 3400664	191440 7139245	366804	708343	1749446	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	79813 3530927	189695 7414569	368186	721638	1801258	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	192632 9227920	462438 20020595	914704	1816046	4667302	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	111033 5062725	265757 10893542	522693	1043353	2571833	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	61381 2496467	143871 5511632	286936	573599	1345629	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	43365 1634928	103117 3297871	194350	363365	863478	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-147.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 15-Sep-2016 20:00:13 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:28 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 15-Sep-2016 20:15:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.163	1.164	-0.001	28640205	0.5000	0.5000	
2	1.137	1.139	-0.002	52182979	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.153	2.157	-0.004	3065530	0.0500	0.0503	M
2	1.808	1.811	-0.003	5511632	0.0500	0.0482	
						RPD = 4.25	
6 PCB-1016							
1	2.768	2.763	0.005	3466183	2.00	1.61	
1	2.926	2.927	-0.001	2327656	2.00	1.90	
1	3.138	3.139	-0.001	8307261	2.00	1.67	
1	3.224	3.225	-0.001	3010392	2.00	1.94	
1	3.288	3.289	-0.001	2105770	2.00	1.94	
		Average of Peak Amounts =				1.81	
2	2.587	2.591	-0.004	6590245	2.00	1.67	
2	2.914	2.918	-0.004	15556109	2.00	1.90	
2	3.034	3.038	-0.004	5686623	2.00	1.82	
2	3.133	3.136	-0.003	3869860	2.00	1.87	
2	3.421	3.423	-0.002	6699219	2.00	1.85	
		Average of Peak Amounts =				1.82	
						RPD = 0.60	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.036	5.037	-0.001	5427771	2.00	1.72	
1	5.168	5.167	0.001	2919910	2.00	1.67	
1	5.357	5.357	0.000	2689109	2.00	1.67	
1	5.563	5.564	-0.001	6838729	2.00	1.87	
1	5.803	5.805	-0.002	2998546	2.00	1.73	
		Average of Peak Amounts =				1.73	
2	4.814	4.818	-0.004	8437258	2.00	1.96	
2	4.864	4.866	-0.002	7139245	2.00	1.91	
2	5.128	5.132	-0.004	7414569	2.00	1.97	
2	5.265	5.268	-0.003	20020595	2.00	2.09	a
2	5.603	5.605	-0.003	10893542	2.00	2.02	
		Average of Peak Amounts =				1.99	
						RPD = 13.90	
$ 15 DCB Decachlorobiphenyl							
1	6.929	6.931	-0.002	1207352	0.0500	0.0485	a
2	6.547	6.553	-0.005	3297871	0.0500	0.0493	a
						RPD = 1.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00004 Amount Added: 0.25 Units: mL

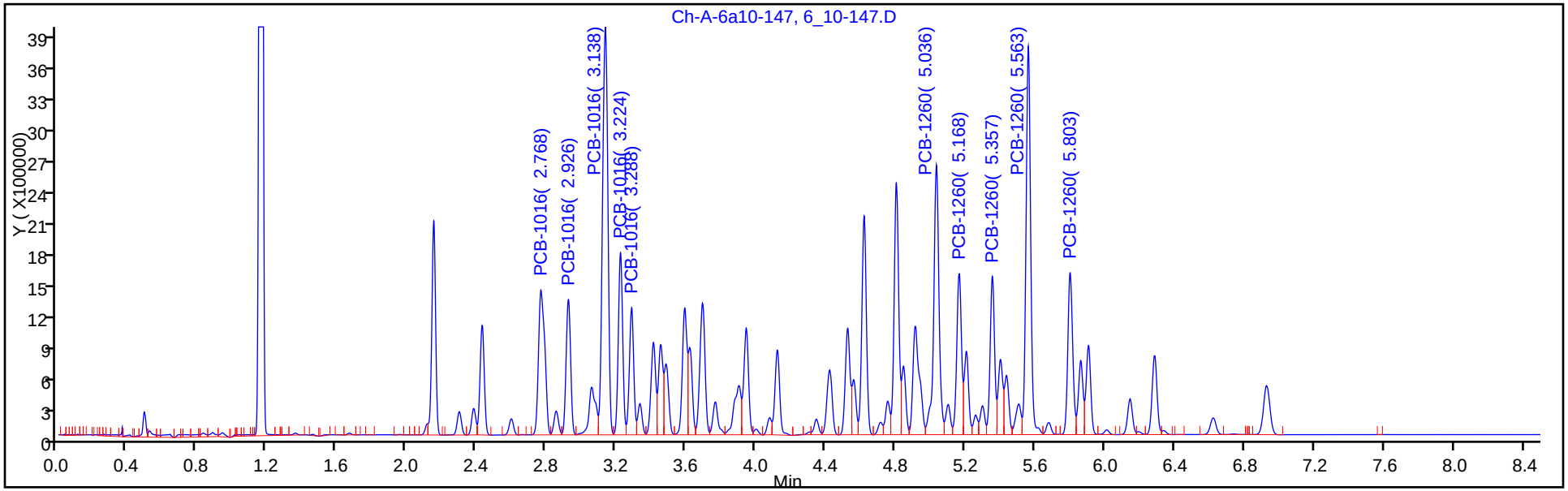
Report Date: 16-Sep-2016 21:30:31 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

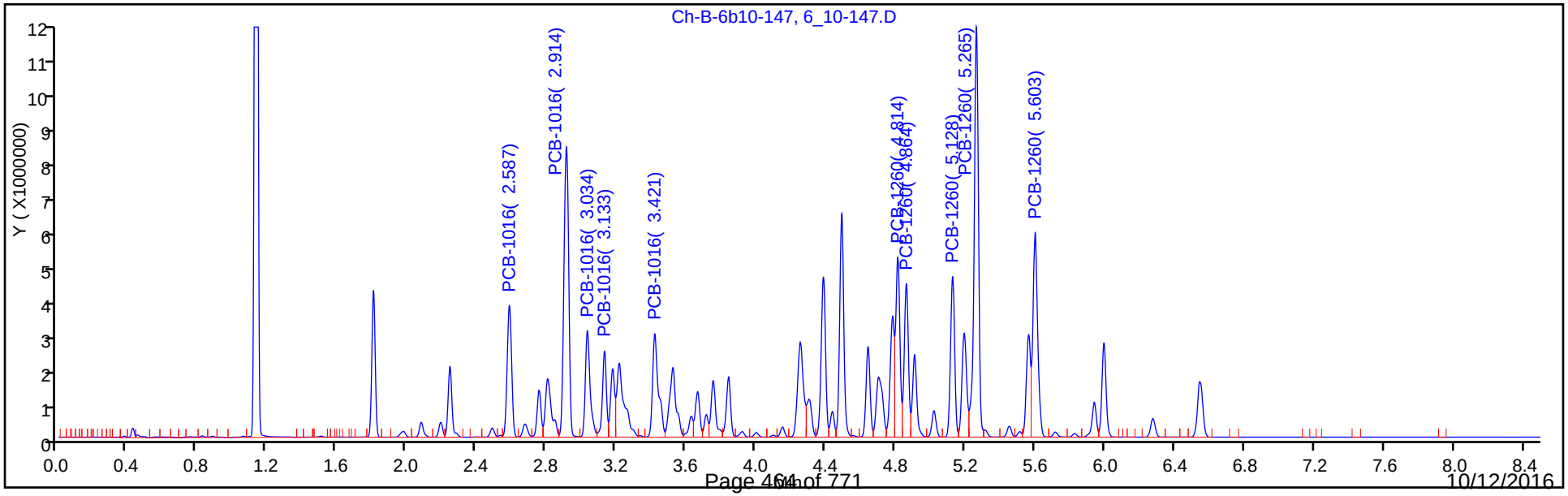
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-147.D

Injection Date:	15-Sep-2016 20:00:13	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-148.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 15-Sep-2016 20:16:07 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:40 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 17:07:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.164	0.001	27650053	0.5000	0.5000	
2	1.138	1.139	-0.001	50362921	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.154	2.157	-0.003	1410754	0.0250	0.0238	
2	1.809	1.811	-0.002	2496467	0.0250	0.0226	
						RPD = 5.11	
6 PCB-1016							
1	2.768	2.763	0.005	1694102	1.00	0.8138	
1	2.927	2.927	0.000	1233162	1.00	1.03	
1	3.138	3.139	-0.001	4150870	1.00	0.8659	
1	3.225	3.225	0.000	1546554	1.00	1.02	
1	3.288	3.289	-0.001	1075686	1.00	1.02	
		Average of Peak Amounts =				0.9501	
2	2.588	2.591	-0.003	3341007	1.00	0.8762	
2	2.916	2.918	-0.002	7255107	1.00	0.9188	
2	3.037	3.038	-0.001	2751428	1.00	0.9139	
2	3.133	3.136	-0.003	1842254	1.00	0.9225	
2	3.423	3.423	-0.001	3195021	1.00	0.9156	
		Average of Peak Amounts =				0.9094	
						RPD = 4.38	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.037	5.037	0.000	2668546	1.00	0.8741	
1	5.167	5.167	0.000	1446153	1.00	0.8563	
1	5.358	5.357	0.001	1334417	1.00	0.8606	
1	5.563	5.564	-0.001	3245864	1.00	0.9187	M
1	5.803	5.805	-0.002	1469467	1.00	0.8782	
		Average of Peak Amounts =				0.8776	
2	4.816	4.818	-0.002	3970321	1.00	0.9561	
2	4.864	4.866	-0.002	3400664	1.00	0.9409	
2	5.129	5.132	-0.003	3530927	1.00	0.9697	
2	5.267	5.268	-0.001	9227920	1.00	1.00	
2	5.603	5.605	-0.002	5062725	1.00	0.9751	
		Average of Peak Amounts =				0.9684	
						RPD = 9.84	
$ 15 DCB Decachlorobiphenyl							
1	6.931	6.931	0.000	621109	0.0250	0.0256	
2	6.549	6.553	-0.003	1634928	0.0250	0.0252	
						RPD = 1.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00005 Amount Added: 0.25 Units: mL

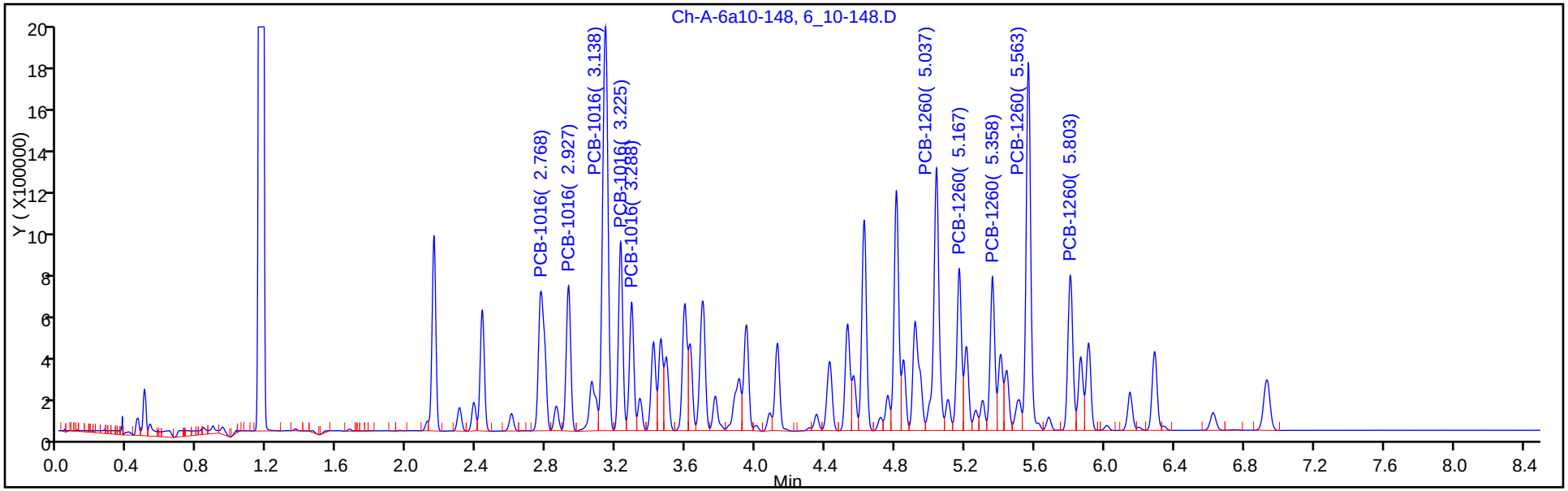
Report Date: 16-Sep-2016 21:30:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

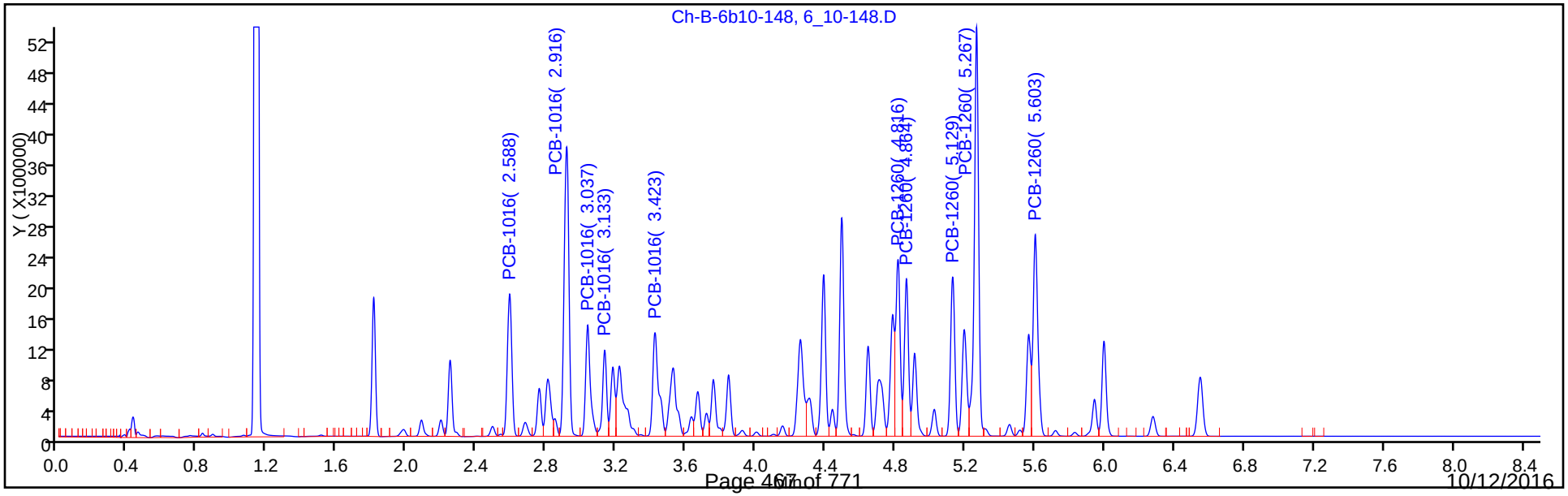
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-148.D

Injection Date:	15-Sep-2016 20:16:07	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-149.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 15-Sep-2016 20:32:13 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:45 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:37:54

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.164	0.000	29194051	0.5000	0.5000	
2	1.138	1.138	0.000	52065101	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.154	2.154	0.000	809172	0.0125	0.0128	
2	1.809	1.809	0.000	1345629	0.0125	0.0118	
						RPD = 8.09	
6 PCB-1016							
1	2.769	2.769	0.000	1001599	0.5000	0.4557	
1	2.926	2.926	0.000	695144	0.5000	0.5386	
1	3.139	3.139	0.000	2227453	0.5000	0.4401	
1	3.225	3.225	0.000	848719	0.5000	0.5199	
1	3.290	3.290	0.000	587225	0.5000	0.5177	
		Average of Peak Amounts =				0.4944	
2	2.588	2.588	0.000	1806845	0.5000	0.4584	
2	2.916	2.916	0.000	3799494	0.5000	0.4654	
2	3.036	3.036	0.000	1458566	0.5000	0.4686	
2	3.134	3.134	0.000	972243	0.5000	0.4709	
2	3.423	3.423	0.000	1695859	0.5000	0.4701	
		Average of Peak Amounts =				0.4667	
						RPD = 5.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.036	5.036	0.000	1404194	0.5000	0.4356	
1	5.166	5.166	0.000	774800	0.5000	0.4345	
1	5.358	5.358	0.000	708371	0.5000	0.4327	
1	5.564	5.564	0.000	1666362	0.5000	0.4467	
1	5.803	5.803	0.000	777999	0.5000	0.4404	
		Average of Peak Amounts =				0.4380	
2	4.817	4.817	0.000	2036933	0.5000	0.4745	
2	4.864	4.864	0.000	1749446	0.5000	0.4682	
2	5.130	5.130	0.000	1801258	0.5000	0.4785	
2	5.267	5.267	0.000	4667302	0.5000	0.4894	
2	5.603	5.603	0.000	2571833	0.5000	0.4791	
		Average of Peak Amounts =				0.4780	
						RPD = 8.73	
$ 15 DCB Decachlorobiphenyl							
1	6.933	6.933	0.000	336364	0.0125	0.0129	
2	6.549	6.549	0.000	863478	0.0125	0.0127	
						RPD = 1.56	

Reagents:

1660sur/is0.5_00004 Amount Added: 0.25 Units: mL

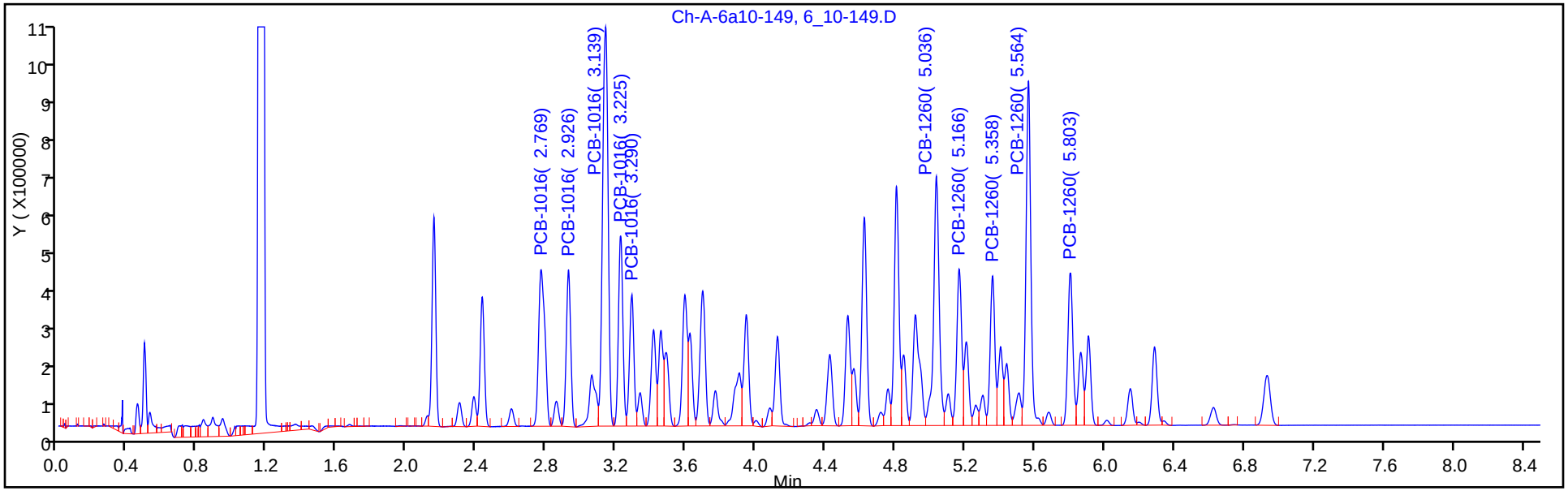
Report Date: 16-Sep-2016 21:30:46 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

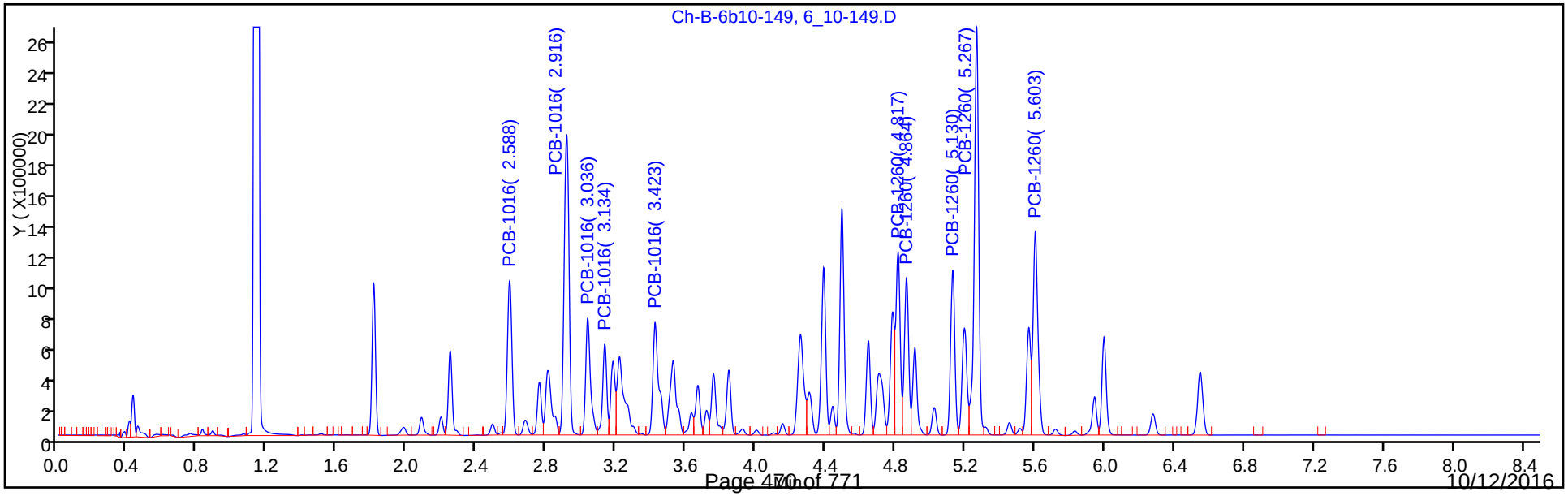
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-149.D

Injection Date:	15-Sep-2016 20:32:13	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-150.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 15-Sep-2016 20:48:10 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:49 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:37:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.164	0.001	29118047	0.5000	0.5000	
2	1.138	1.138	0.000	52265109	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.155	2.154	0.001	359542	0.005000	0.005525	
2	1.810	1.809	0.001	573599	0.005000	0.005012	
						RPD = 9.75	
6 PCB-1016							
1	2.769	2.769	0.000	464531	0.2000	0.2119	
1	2.927	2.926	0.001	307897	0.2000	0.2255	
1	3.139	3.139	0.000	966461	0.2000	0.1914	
1	3.227	3.225	0.002	372904	0.2000	0.2165	
1	3.289	3.290	-0.001	254193	0.2000	0.2136	
		Average of Peak Amounts =				0.2118	
2	2.589	2.588	0.001	773433	0.2000	0.1955	
2	2.915	2.916	-0.001	1566683	0.2000	0.1912	
2	3.037	3.036	0.001	607565	0.2000	0.1945	
2	3.135	3.134	0.001	398714	0.2000	0.1924	
2	3.423	3.423	0.001	704359	0.2000	0.1945	
		Average of Peak Amounts =				0.1936	
						RPD = 8.97	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.037	5.036	0.001	611269	0.2000	0.1901	
1	5.168	5.166	0.002	334247	0.2000	0.1879	
1	5.357	5.358	-0.001	311819	0.2000	0.1910	
1	5.565	5.564	0.001	704736	0.2000	0.1894	
1	5.803	5.803	0.000	332520	0.2000	0.1887	
		Average of Peak Amounts =				0.1894	
2	4.816	4.817	-0.001	827810	0.2000	0.1921	
2	4.866	4.864	0.002	708343	0.2000	0.1889	
2	5.130	5.130	0.000	721638	0.2000	0.1910	
2	5.267	5.267	0.000	1816046	0.2000	0.1897	
2	5.603	5.603	0.000	1043353	0.2000	0.1936	
		Average of Peak Amounts =				0.1911	
						RPD = 0.85	
$ 15 DCB Decachlorobiphenyl							
1	6.933	6.933	-0.001	144292	0.005000	0.005310	
2	6.550	6.549	0.001	363365	0.005000	0.005177	
						RPD = 2.55	

Reagents:

1660sur/is0.2_00004 Amount Added: 0.25 Units: mL

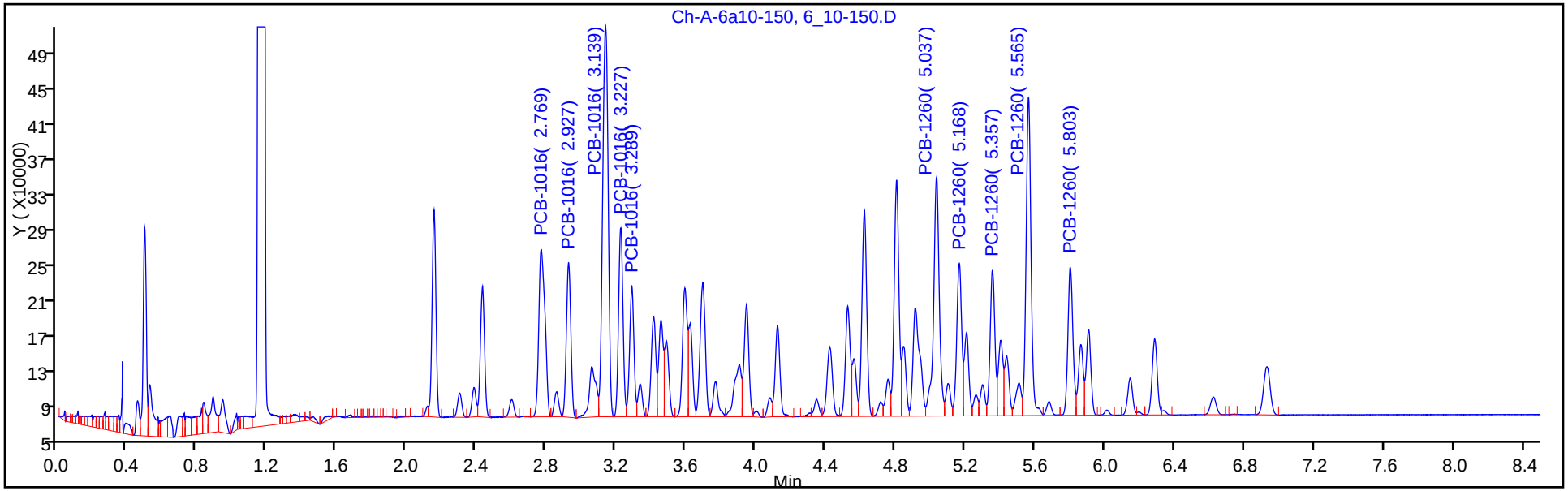
Report Date: 16-Sep-2016 21:30:50 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

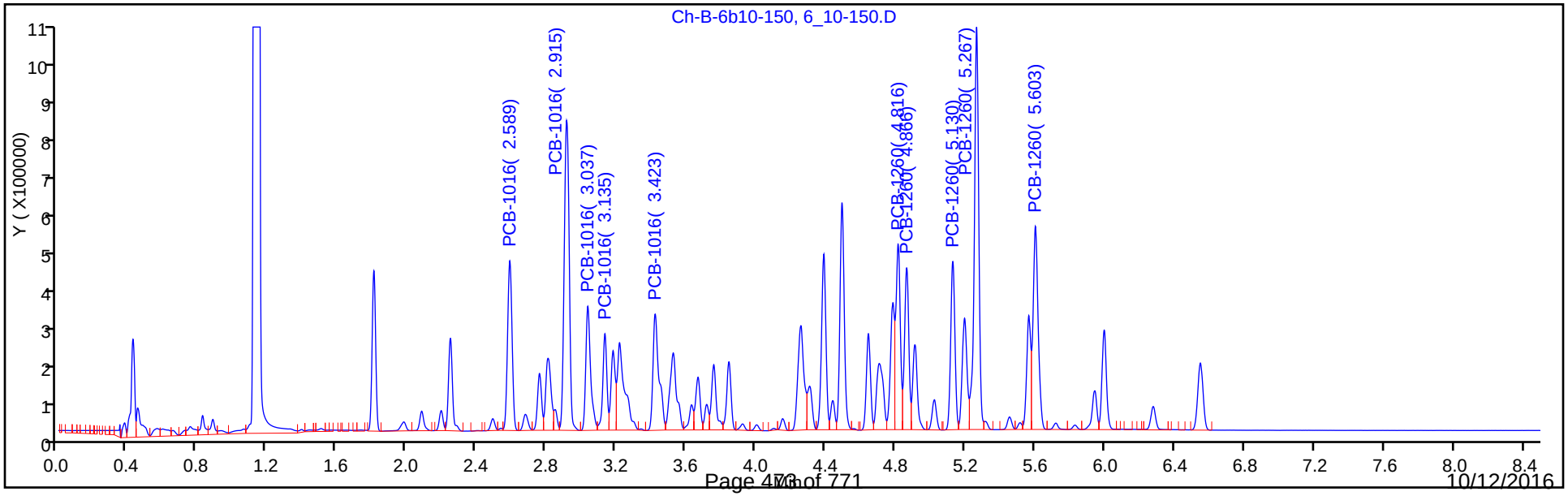
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-150.D

Injection Date:	15-Sep-2016 20:48:10	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-151.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-Sep-2016 21:04:14 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:30:55 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:36:36

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.164	0.000	29192313	0.5000	0.5000	
2	1.138	1.138	0.000	52050161	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.153	2.154	-0.001	178191	0.002500	0.002571	
2	1.811	1.809	0.002	286936	0.002500	0.002517	
						RPD = 2.11	
6 PCB-1016							M
1	2.767	2.769	-0.002	238211	0.1000	0.1084	
1	2.926	2.926	0.000	170003	0.1000	0.1131	M
1	3.137	3.139	-0.002	519791	0.1000	0.1027	M
1	3.223	3.225	-0.002	202846	0.1000	0.1072	M
1	3.289	3.290	-0.001	138028	0.1000	0.1067	M
		Average of Peak Amounts =				0.1076	
2	2.589	2.588	0.001	407934	0.1000	0.1035	M
2	2.917	2.916	0.001	802216	0.1000	0.0983	M
2	3.036	3.036	0.000	313690	0.1000	0.1008	M
2	3.135	3.134	0.001	207616	0.1000	0.1006	M
2	3.424	3.423	0.002	361165	0.1000	0.1001	
		Average of Peak Amounts =				0.1007	
						RPD = 6.67	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.034	5.036	-0.002	324399	0.1000	0.1006	
1	5.167	5.166	0.001	180660	0.1000	0.1013	
1	5.358	5.358	0.000	164800	0.1000	0.1007	
1	5.563	5.564	-0.002	367524	0.1000	0.0985	
1	5.804	5.803	0.001	176262	0.1000	0.0998	
		Average of Peak Amounts =				0.1002	
2	4.818	4.817	0.001	418121	0.1000	0.0974	M
2	4.866	4.864	0.002	366804	0.1000	0.0982	M
2	5.131	5.130	0.001	368186	0.1000	0.0978	M
2	5.268	5.267	0.001	914704	0.1000	0.0959	M
2	5.605	5.603	0.002	522693	0.1000	0.0974	
		Average of Peak Amounts =				0.0974	
						RPD = 2.86	
$ 15 DCB Decachlorobiphenyl							
1	6.930	6.933	-0.003	79156	0.002500	0.002707	
2	6.551	6.549	0.002	194350	0.002500	0.002654	
						RPD = 2.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00005 Amount Added: 0.25 Units: mL

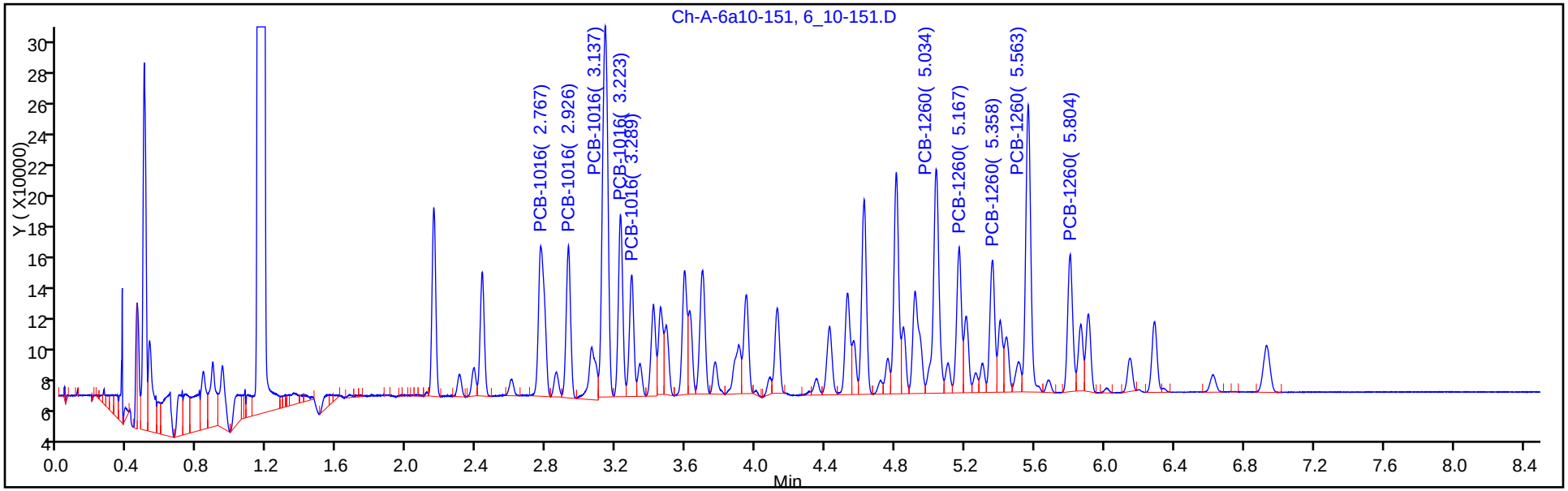
Report Date: 16-Sep-2016 21:30:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

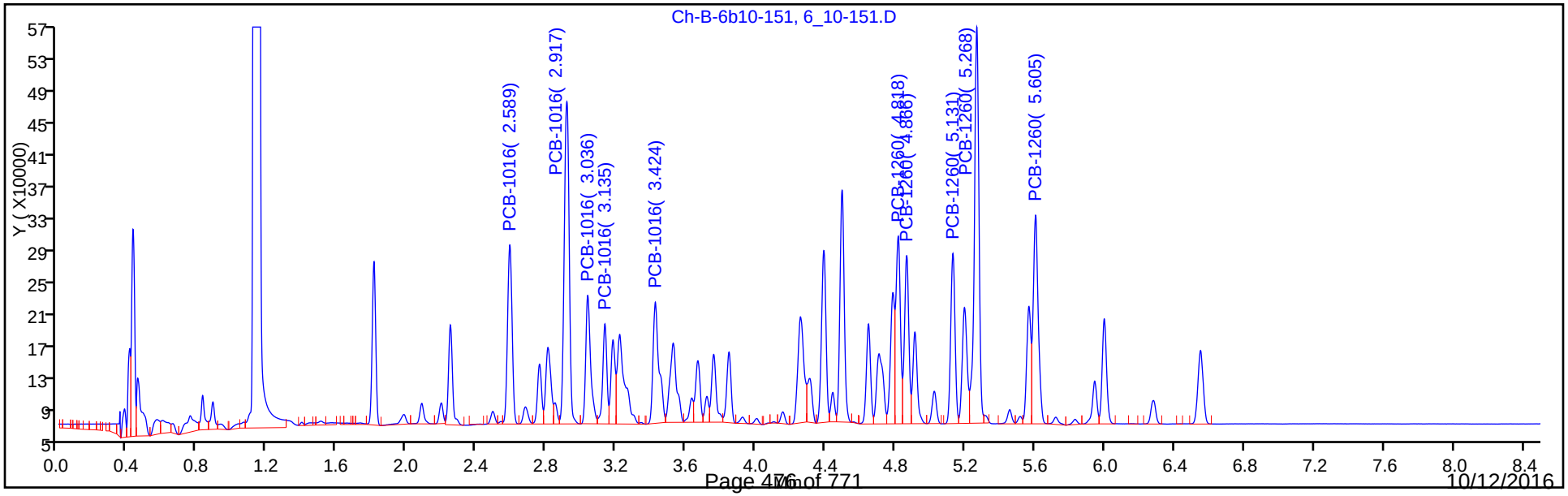
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-151.D

Injection Date:	15-Sep-2016 21:04:14	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:30:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-151.D

Injection Date: 15-Sep-2016 21:04:14 Instrument ID: HP6890-6

Lims ID: IC 3

Client ID:

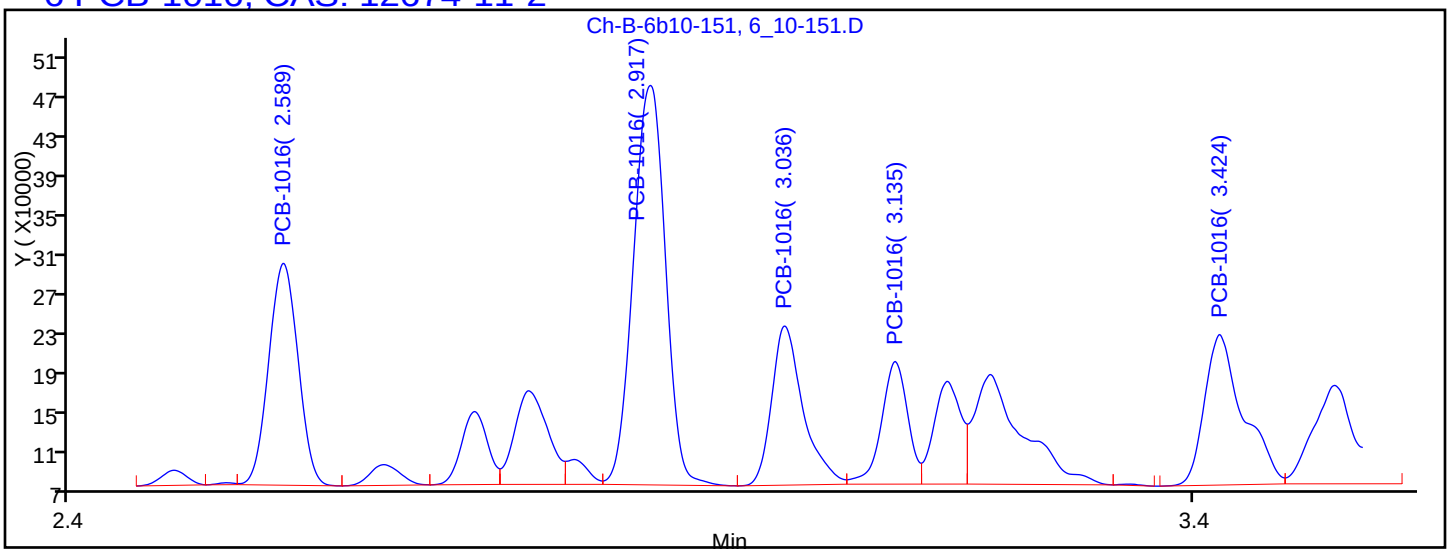
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

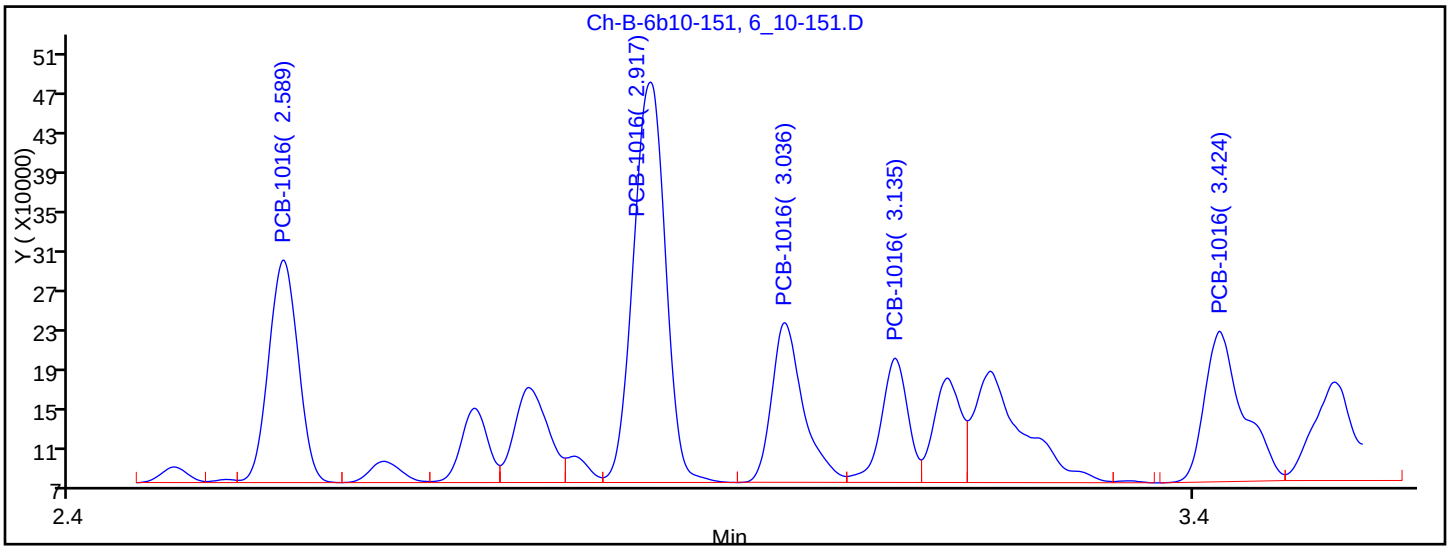
Column: Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.589	Response = 404504
2.917	Response = 797561
3.036	Response = 310420
3.135	Response = 201304
3.424	Response = 361165



Manual Integration Results

2.589	Response = 407934	M
2.917	Response = 802216	M
3.036	Response = 313690	M
3.135	Response = 207616	M
3.424	Response = 361165	

Reviewer: sobolk, 16-Sep-2016 18:53:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 16-Sep-2016 21:30:57 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-151.D

Injection Date: 15-Sep-2016 21:04:14 Instrument ID: HP6890-6

Lims ID: IC 3

Client ID:

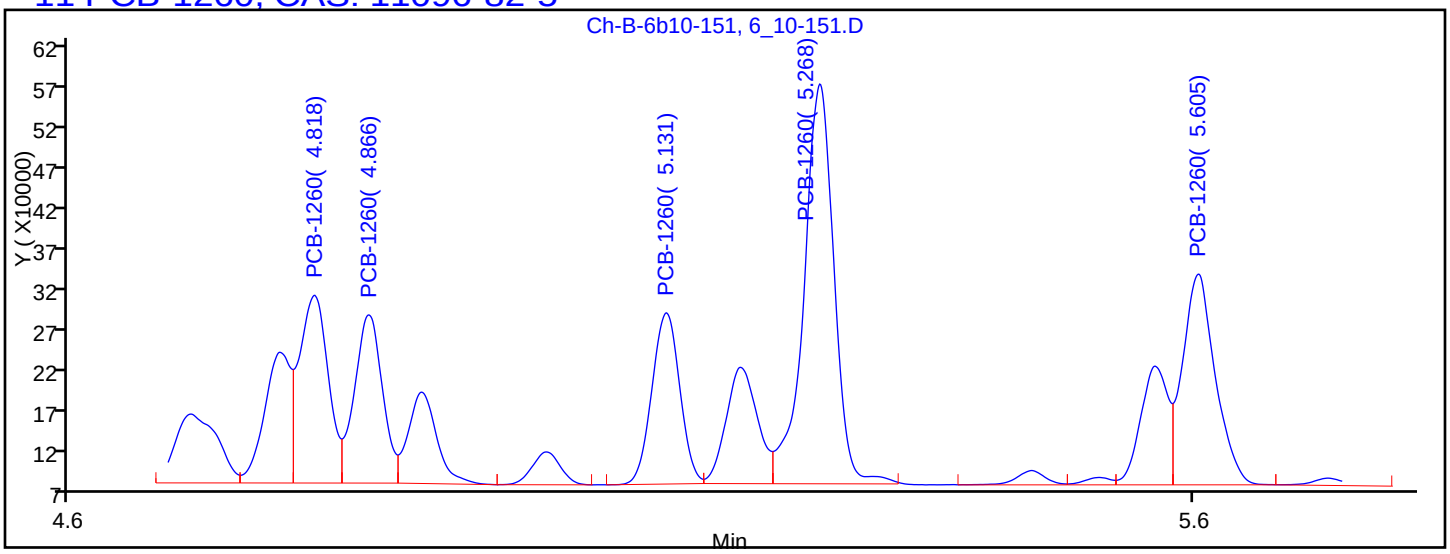
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

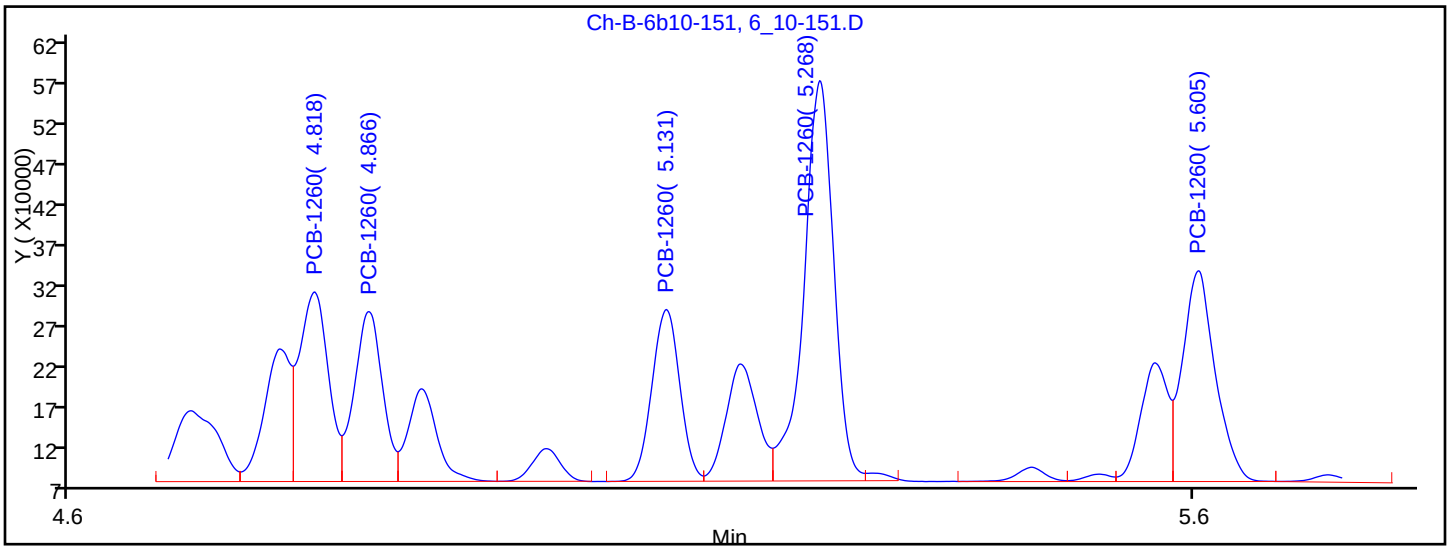
Column: Detector Ch-B-7b136

11 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.818	Response = 412435
4.866	Response = 360612
5.131	Response = 365313
5.268	Response = 924799
5.605	Response = 522693



Manual Integration Results

4.818	Response = 418121	M
4.866	Response = 366804	M
5.131	Response = 368186	M
5.268	Response = 914704	M
5.605	Response = 522693	

Reviewer: sobolk, 16-Sep-2016 18:53:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Sep-2016 21:20:07 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:31:02 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:35:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.164	0.000	28106711	0.5000	0.5000	
2	1.138	1.138	0.000	50200072	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.154	2.154	0.000	94550	0.001250	0.001275	M
2	1.810	1.809	0.001	143871	0.001250	0.001309	M
						RPD = 2.63	
6 PCB-1016							M
1	2.767	2.769	-0.002	120123	0.0500	0.0568	M
1	2.926	2.926	0.000	91009	0.0500	0.0520	M
1	3.138	3.139	-0.001	277124	0.0500	0.0569	M
1	3.224	3.225	-0.001	110809	0.0500	0.0511	M
1	3.288	3.290	-0.002	75393	0.0500	0.0521	M
		Average of Peak Amounts =				0.0538	
2	2.589	2.588	0.001	216225	0.0500	0.0569	M
2	2.917	2.916	0.001	416755	0.0500	0.0529	M
2	3.038	3.036	0.002	165415	0.0500	0.0551	M
2	3.135	3.134	0.001	109033	0.0500	0.0548	M
2	3.423	3.423	0.001	188753	0.0500	0.0543	
		Average of Peak Amounts =				0.0548	
						RPD = 1.93	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.033	5.036	-0.003	177793	0.0500	0.0573	
1	5.165	5.166	-0.001	101566	0.0500	0.0592	
1	5.355	5.358	-0.003	92079	0.0500	0.0584	
1	5.563	5.564	-0.002	199370	0.0500	0.0555	
1	5.803	5.803	-0.001	99110	0.0500	0.0583	
		Average of Peak Amounts =				0.0577	
2	4.817	4.817	0.000	214183	0.0500	0.0517	
2	4.866	4.864	0.002	191440	0.0500	0.0531	
2	5.131	5.130	0.001	189695	0.0500	0.0523	
2	5.268	5.267	0.001	462438	0.0500	0.0503	
2	5.603	5.603	-0.001	265757	0.0500	0.0514	
		Average of Peak Amounts =				0.0518	
						RPD = 10.91	
$ 15 DCB Decachlorobiphenyl							
1	6.931	6.933	-0.002	43121	0.001250	0.001341	
2	6.551	6.549	0.002	103117	0.001250	0.001337	
						RPD = 0.34	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00004 Amount Added: 0.25 Units: mL

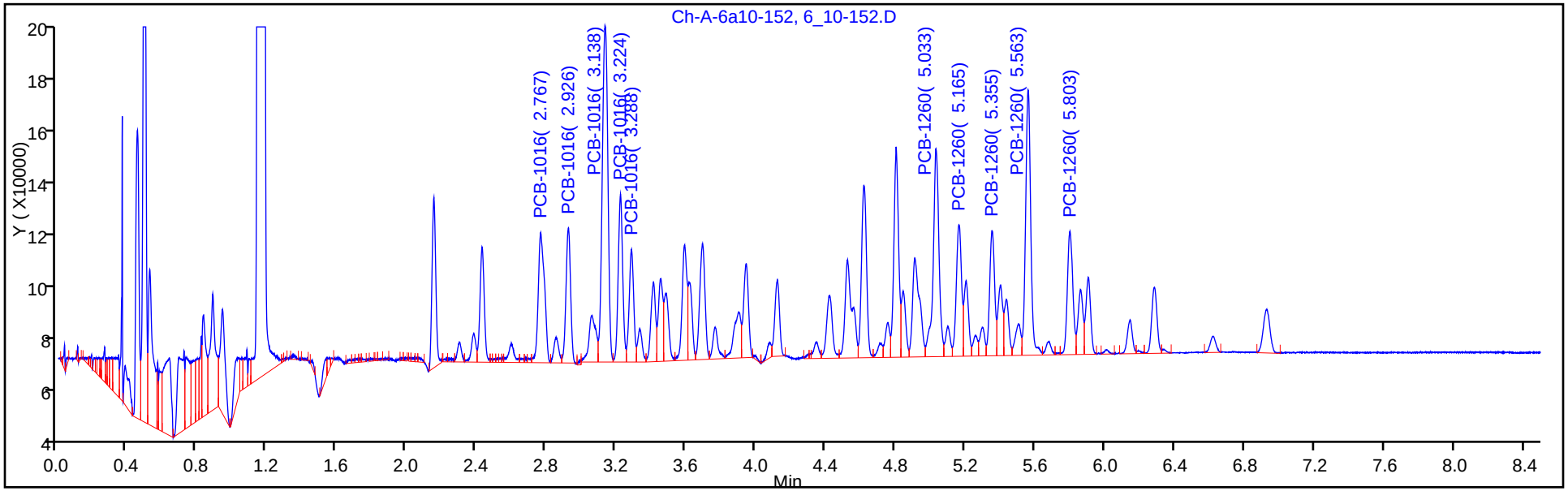
Report Date: 16-Sep-2016 21:31:04 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

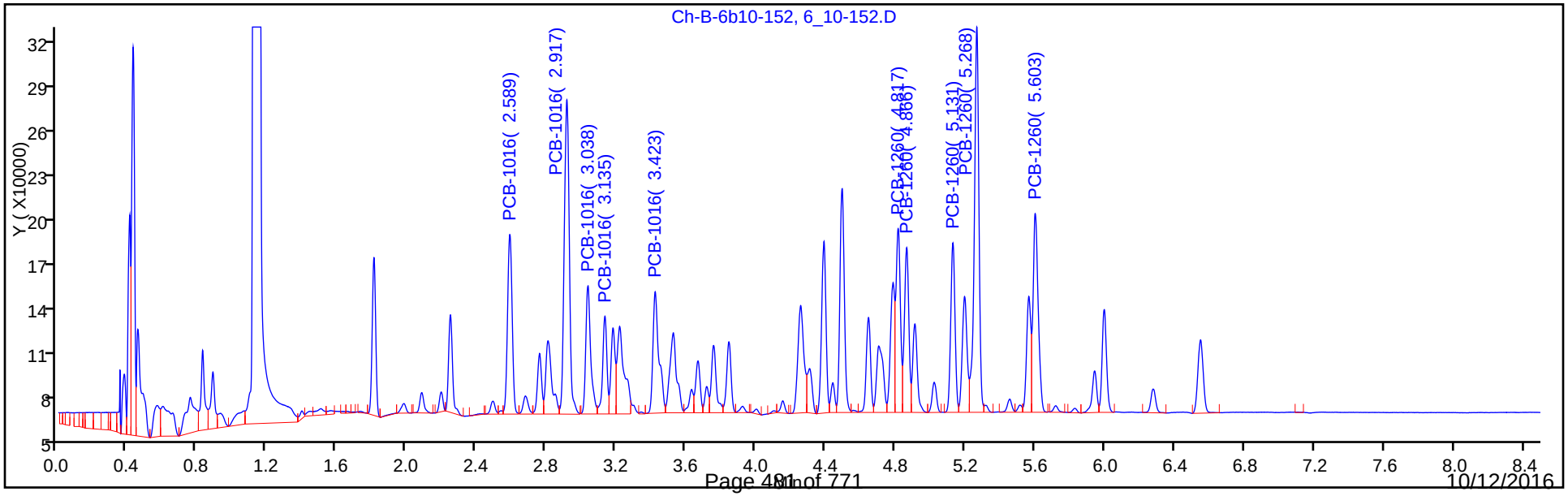
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D

Injection Date:	15-Sep-2016 21:20:07	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo

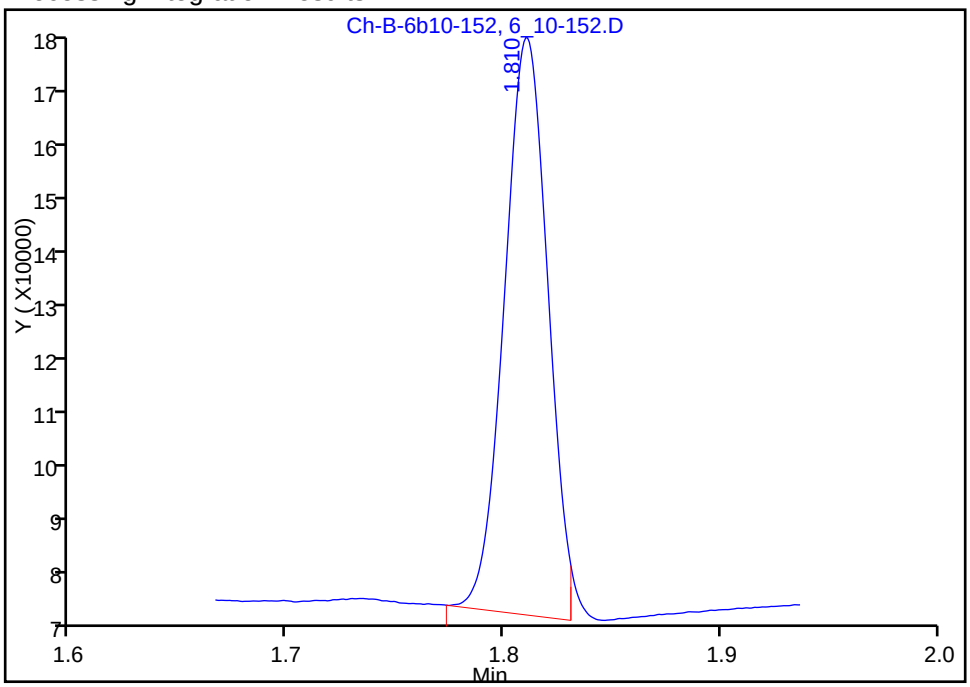
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D
Injection Date: 15-Sep-2016 21:20:07 Instrument ID: HP6890-6
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

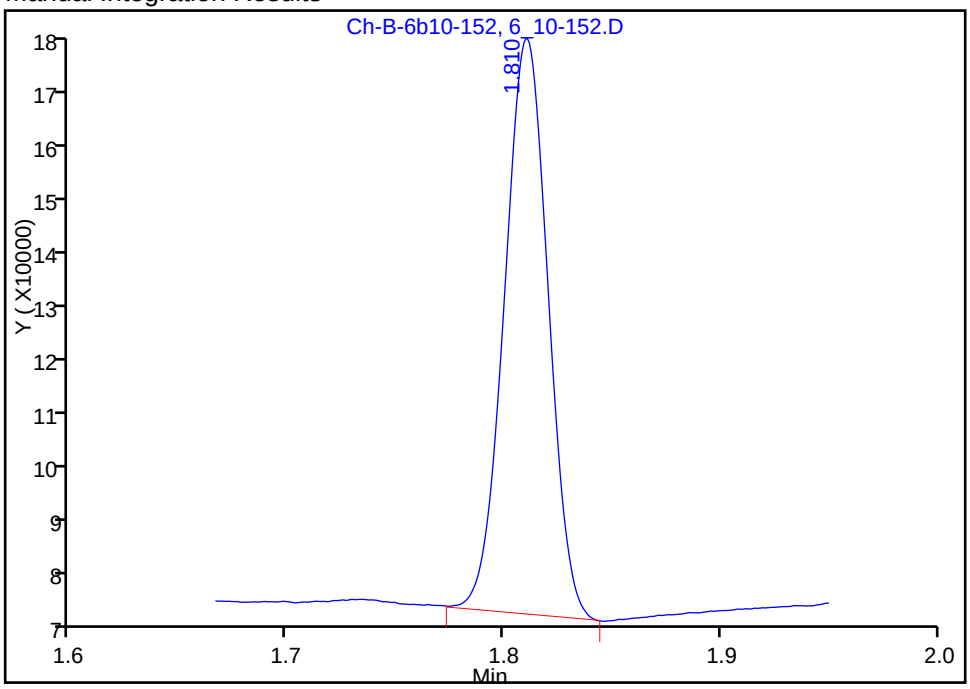
Processing Integration Results

RT: 1.81
Area: 142776
Amount: 0.001395
Amount Units: ng/uL



Manual Integration Results

RT: 1.81
Area: 143871
Amount: 0.001309
Amount Units: ng/uL



Reviewer: sobolk, 16-Sep-2016 19:00:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 16-Sep-2016 21:31:04 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-152.D

Injection Date: 15-Sep-2016 21:20:07 Instrument ID: HP6890-6

Lims ID: IC 2

Client ID:

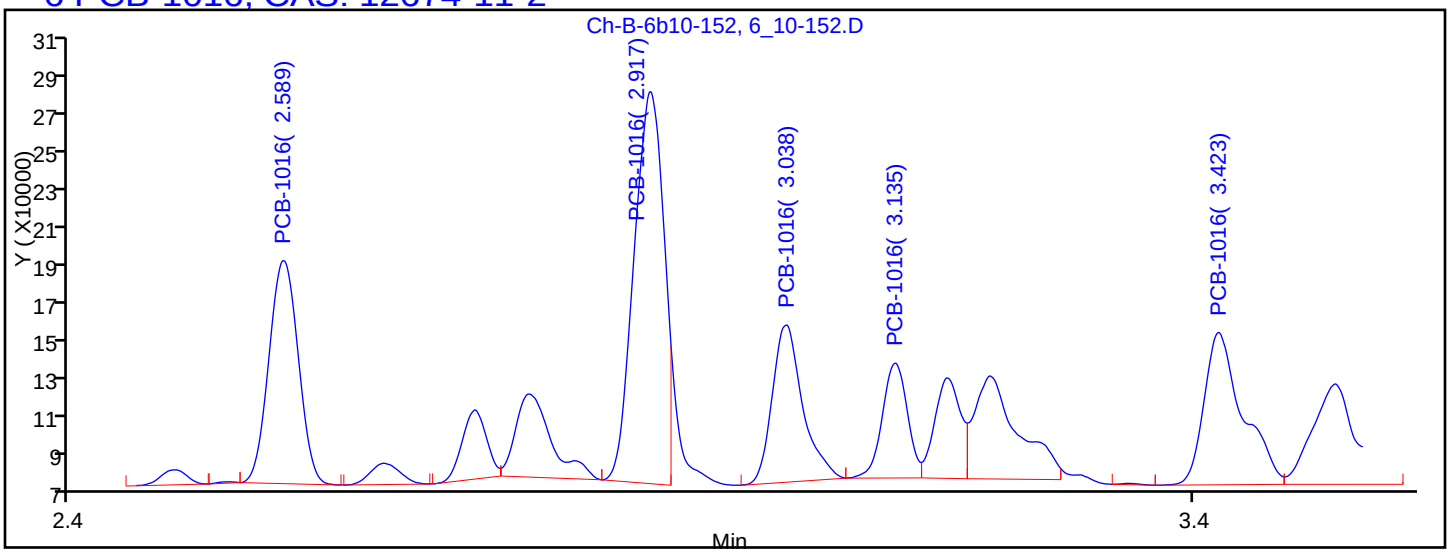
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

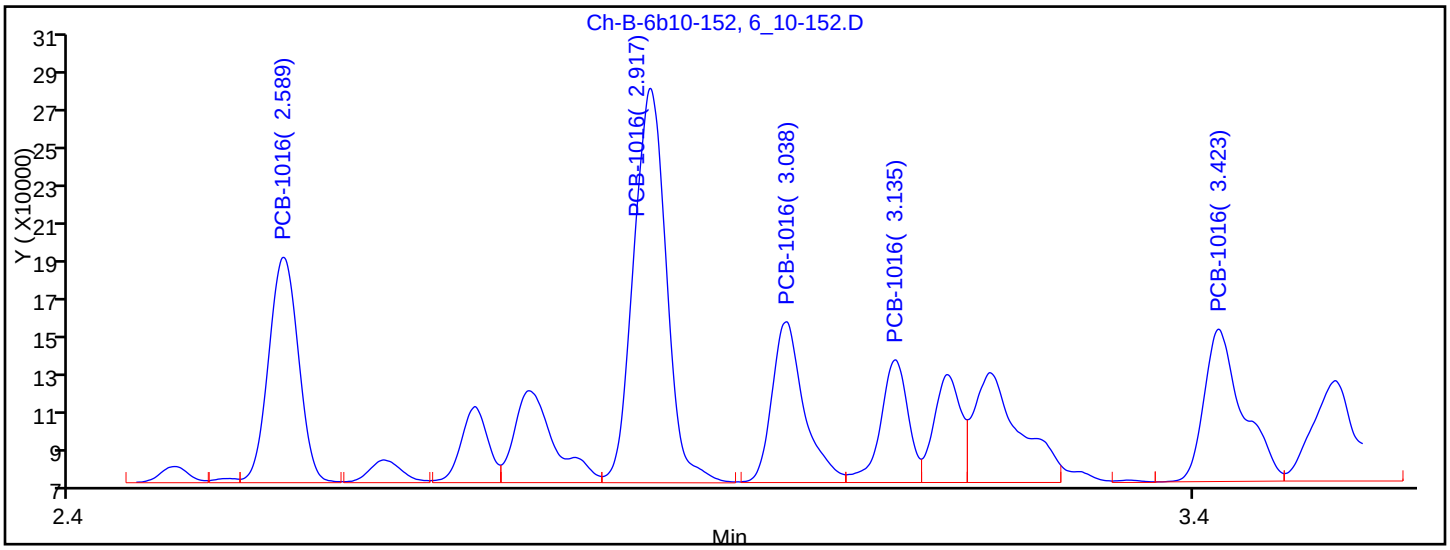
Column: Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.589	Response = 210166
2.917	Response = 370536
3.038	Response = 153498
3.135	Response = 92738
3.423	Response = 188753



Manual Integration Results

2.589	Response = 216225	M
2.917	Response = 416755	M
3.038	Response = 165415	M
3.135	Response = 109033	M
3.423	Response = 188753	

Reviewer: sobolk, 16-Sep-2016 18:55:12

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-153.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-Sep-2016 21:36:09 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:31:10 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: owenj Date: 16-Sep-2016 12:34:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.165	0.000	27795172	0.5000	0.5000	
2	1.140	1.140	0.000	49634054	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.156	2.156	0.000	43979	0.000500	0.000432	
2	1.812	1.812	0.000	61381	0.000500	0.000565	
						RPD = 26.70	
6 PCB-1016							M
1	2.767	2.767	0.000	49908	0.0200	0.0238	M
1	2.925	2.925	0.000	44133	0.0200	0.0129	M
1	3.138	3.138	0.000	124867	0.0200	0.0259	M
1	3.225	3.225	0.000	57087	0.0200	0.0159	M
1	3.289	3.289	0.000	36955	0.0200	0.0159	M
		Average of Peak Amounts =				0.0189	
2	2.591	2.591	0.000	91874	0.0200	0.0244	
2	2.917	2.917	0.000	187067	0.0200	0.0240	
2	3.038	3.038	0.000	68526	0.0200	0.0231	
2	3.136	3.136	0.000	44774	0.0200	0.0227	
2	3.425	3.425	0.000	79667	0.0200	0.0232	
		Average of Peak Amounts =				0.0235	
						RPD = 21.71	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.034	5.034	0.000	79385	0.0200	0.0259	M
1	5.167	5.167	0.000	44283	0.0200	0.0261	M
1	5.357	5.357	0.000	40751	0.0200	0.0261	M
1	5.561	5.561	0.000	86012	0.0200	0.0242	M
1	5.803	5.803	0.000	42706	0.0200	0.0254	
		Average of Peak Amounts =				0.0255	
2	4.818	4.818	0.000	93683	0.0200	0.0229	
2	4.865	4.865	0.000	84097	0.0200	0.0236	
2	5.132	5.132	0.000	79813	0.0200	0.0222	
2	5.268	5.268	0.000	192632	0.0200	0.0212	M
2	5.604	5.604	0.000	111033	0.0200	0.0217	
		Average of Peak Amounts =				0.0223	
						RPD = 13.43	
$ 15 DCB Decachlorobiphenyl							
1	6.931	6.931	0.000	19528	0.000500	0.000377	
2	6.549	6.549	0.000	43365	0.000500	0.000412	
						RPD = 8.83	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00004 Amount Added: 0.25 Units: mL

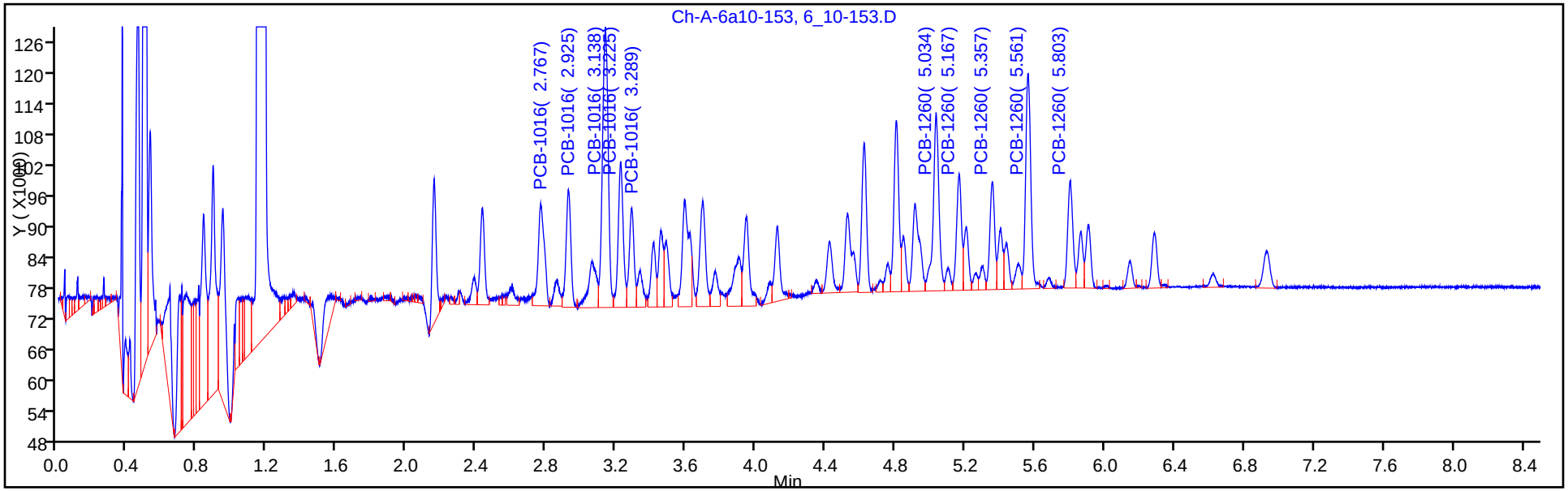
Report Date: 16-Sep-2016 21:31:11 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

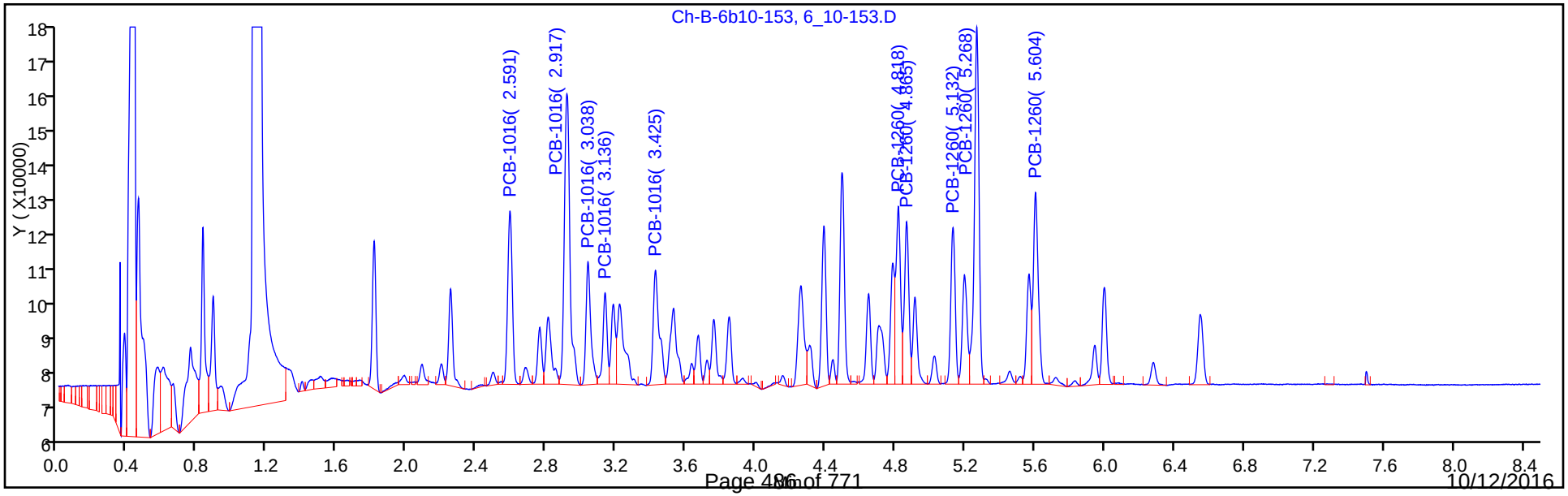
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-153.D

Injection Date:	15-Sep-2016 21:36:09	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:31:11 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-153.D

Injection Date: 15-Sep-2016 21:36:09 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

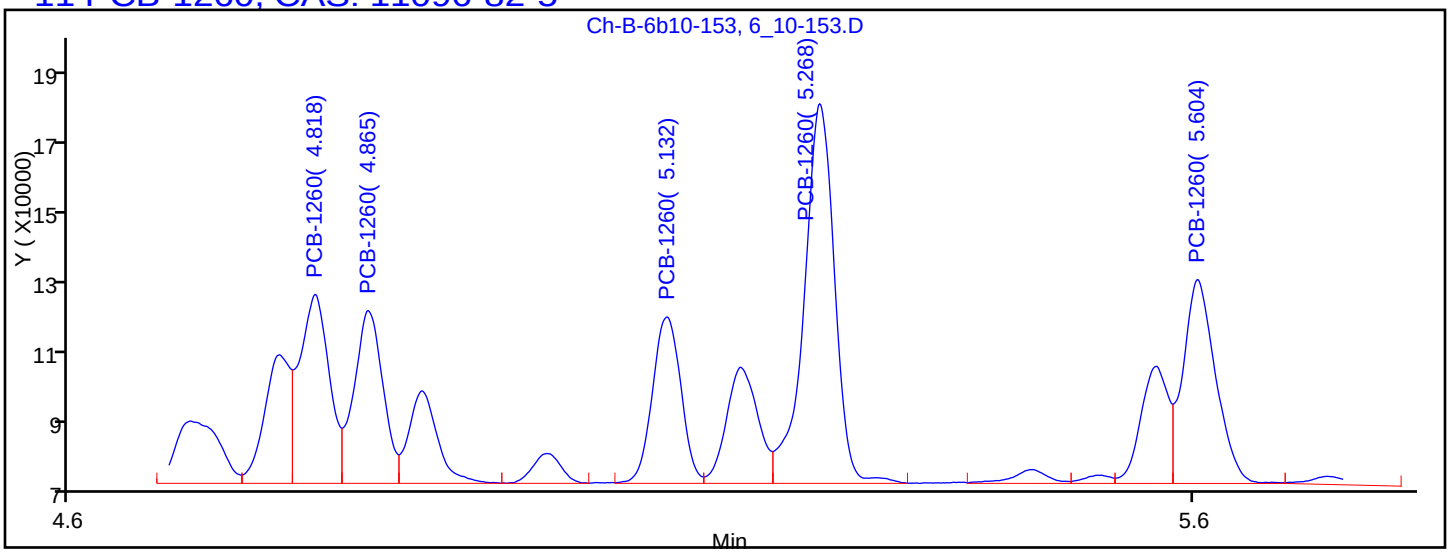
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

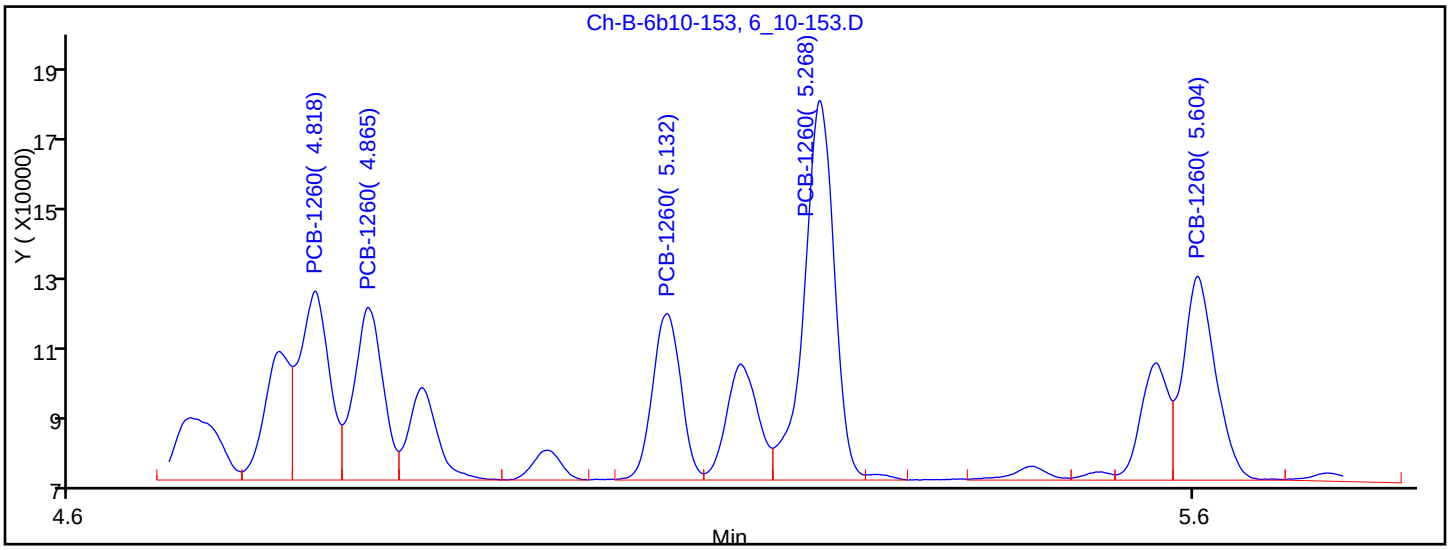
Column: Detector Ch-B-7b136

11 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.818	Response = 93683
4.865	Response = 84097
5.132	Response = 79813
5.268	Response = 194878
5.604	Response = 111033



Manual Integration Results

4.818	Response = 93683	
4.865	Response = 84097	
5.132	Response = 79813	
5.268	Response = 192632	M
5.604	Response = 111033	

Reviewer: sobolk, 16-Sep-2016 18:56:39

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 23:12 Calibration End Date: 09/15/2016 23:44 Calibration ID: 28353

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/17	6_10-161.D
Level 2	IC 480-320599/16	6_10-160.D
Level 3	IC 480-320599/15	6_10-159.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0254	0.0069	0.0051			Lin1	0.0004	0.0052							0.9920		0.9900
PCB-1221 Peak 2	0.0298	0.0116	0.0101			Lin1	0.0004	0.0100							0.9990		0.9900
PCB-1221 Peak 3	0.0239	0.0077	0.0062			Lin1	0.0004	0.0062							0.9960		0.9900
PCB-1221 Peak 4	0.0502	0.0264	0.0212			Lin1	0.0006	0.0217							0.9930		0.9900
PCB-1254 Peak 1	0.0642	0.0468	0.0439			Lin1	0.0004	0.0441							1.0000		0.9900
PCB-1254 Peak 2	0.0717	0.0520	0.0502			Lin1	0.0004	0.0502							1.0000		0.9900
PCB-1254 Peak 3	0.0676	0.0507	0.0492			Ave		0.0558				18.3		20.0			
PCB-1254 Peak 4	0.0402	0.0301	0.0286			Ave		0.0330				19.2		20.0			
PCB-1254 Peak 5	0.0545	0.0412	0.0394			Ave		0.0450				18.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 23:12 Calibration End Date: 09/15/2016 23:44 Calibration ID: 28353

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/17	6_10-161.D
Level 2	IC 480-320599/16	6_10-160.D
Level 3	IC 480-320599/15	6_10-159.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	31232	197632	605745			0.0200	0.500	2.00		
PCB-1221 Peak 2	BNB	Lin1	36625	330614	1186770			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	29349	219058	729843			0.0200	0.500	2.00		
PCB-1221 Peak 4	BNB	Lin1	61643	755738	2495566			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Lin1	78849	1337352	5170016			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Lin1	88169	1485770	5908924			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Ave	83092	1448618	5790462			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Ave	49420	861898	3360905			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Ave	67031	1177510	4636867			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-159.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-Sep-2016 23:12:04 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:32:02 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:11:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.165	1.164	0.001	29424075	0.5000	0.5000	M
2	1.139	1.139	0.000	50788791	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							M
1	1.671	1.671	0.000	605745	2.00	1.91	M
1	2.302	2.303	0.000	1186770	2.00	1.97	M
1	2.383	2.383	-0.001	729843	2.00	1.94	M
1	2.433	2.432	0.000	2495566	2.00	1.92	M
		Average of Peak Amounts =				1.94	
2	1.509	1.509	0.000	1072533	2.00	1.92	
2	2.085	2.085	0.000	1939856	2.00	1.72	
2	2.198	2.197	0.001	1172237	2.00	1.96	
2	2.250	2.248	0.002	3910725	2.00	1.73	
		Average of Peak Amounts =				1.83	
						RPD = 5.57	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							M
1	4.125	4.123	0.003	5170016	2.00	1.98	M
1	4.428	4.428	0.000	5908924	2.00	1.99	M
1	4.630	4.630	0.000	5790462	2.00	1.76	M
1	4.851	4.853	-0.001	3360905	2.00	1.73	M
1	5.037	5.038	-0.001	4636867	2.00	1.75	M
		Average of Peak Amounts =				1.84	
2	3.759	3.759	0.000	6045932	2.00	1.95	
2	3.848	3.847	0.001	8694369	2.00	1.98	
2	4.244	4.243	0.001	13649957	2.00	2.07	
2	4.375	4.377	-0.002	13211409	2.00	2.14	
2	4.818	4.818	0.000	11204447	2.00	1.99	
		Average of Peak Amounts =				2.03	
						RPD = 9.46	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@2.0_00005 Amount Added: 0.25 Units: mL

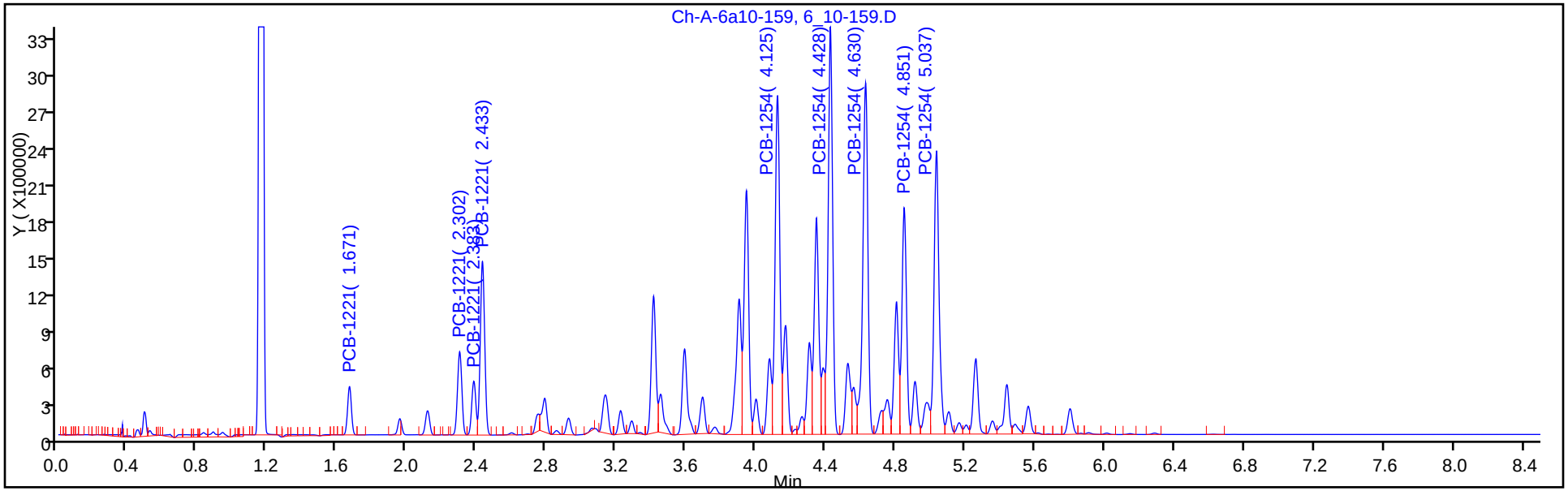
Report Date: 16-Sep-2016 21:32:02 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

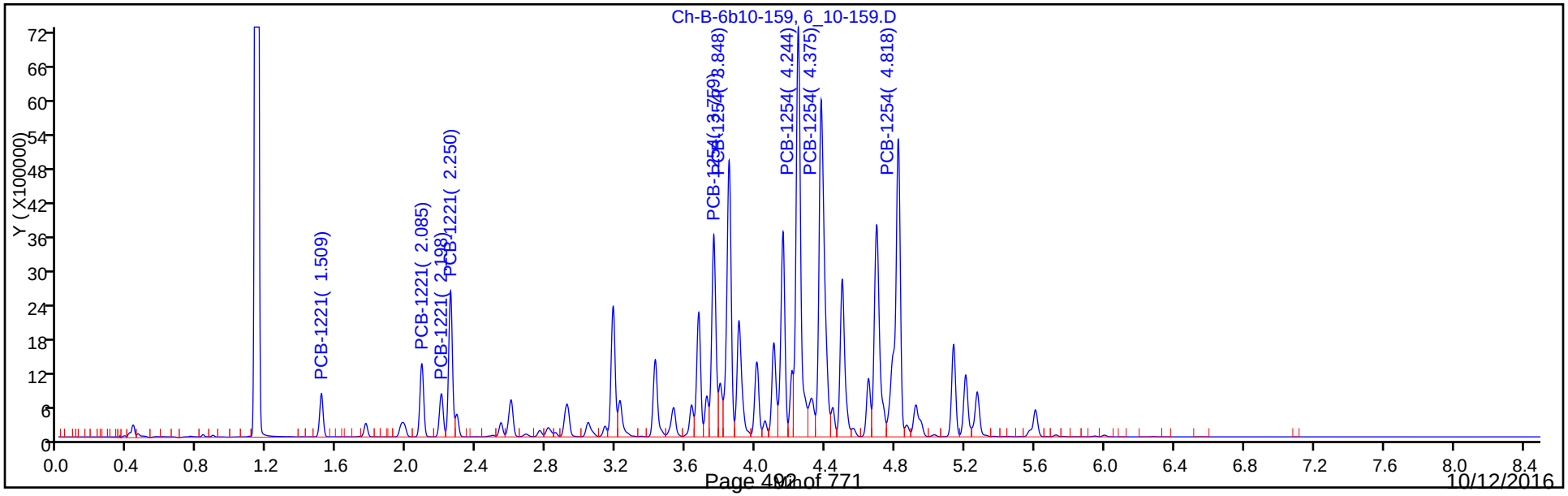
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-159.D

Injection Date:	15-Sep-2016 23:12:04	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo

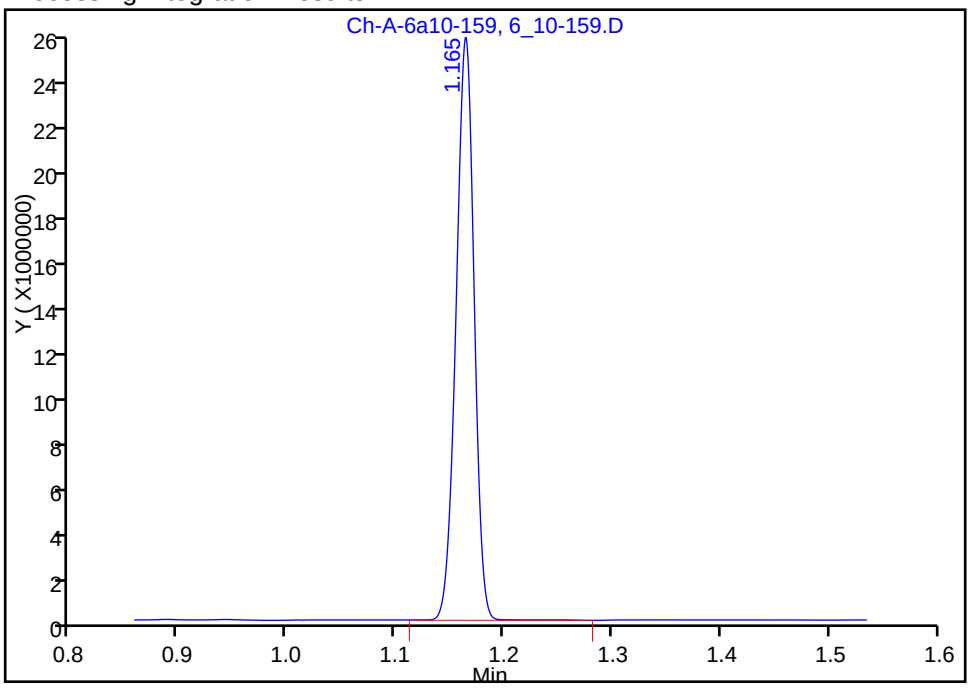
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-159.D
Injection Date: 15-Sep-2016 23:12:04 Instrument ID: HP6890-6
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

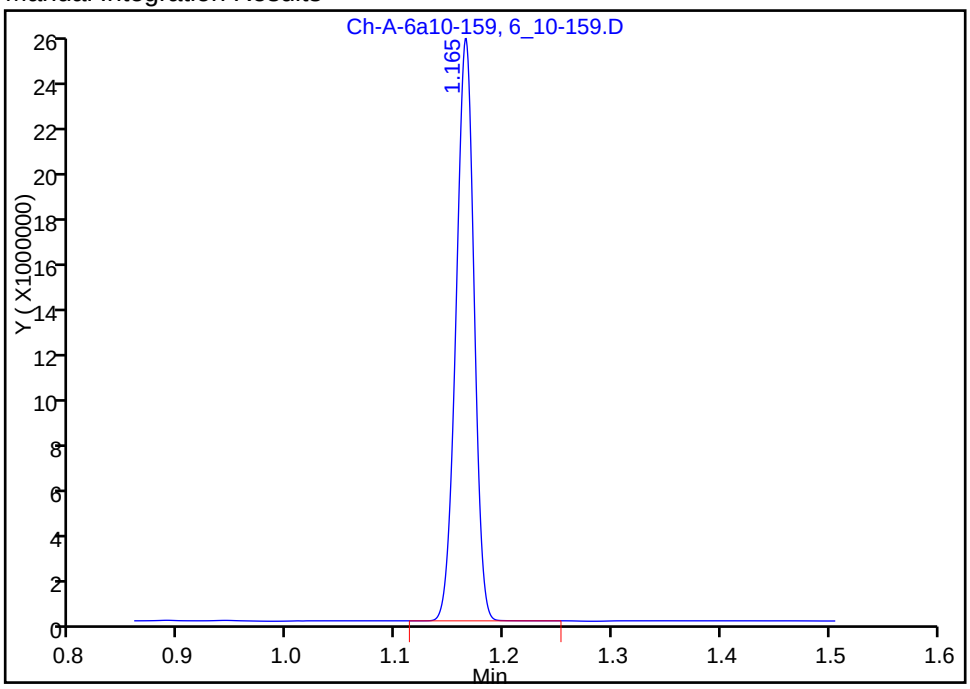
Processing Integration Results

RT: 1.17
Area: 29562090
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.17
Area: 29424075
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 16-Sep-2016 21:18:47
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Report Date: 16-Sep-2016 21:32:02 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-159.D

Injection Date: 15-Sep-2016 23:12:04 Instrument ID: HP6890-6

Lims ID: IC 3

Client ID:

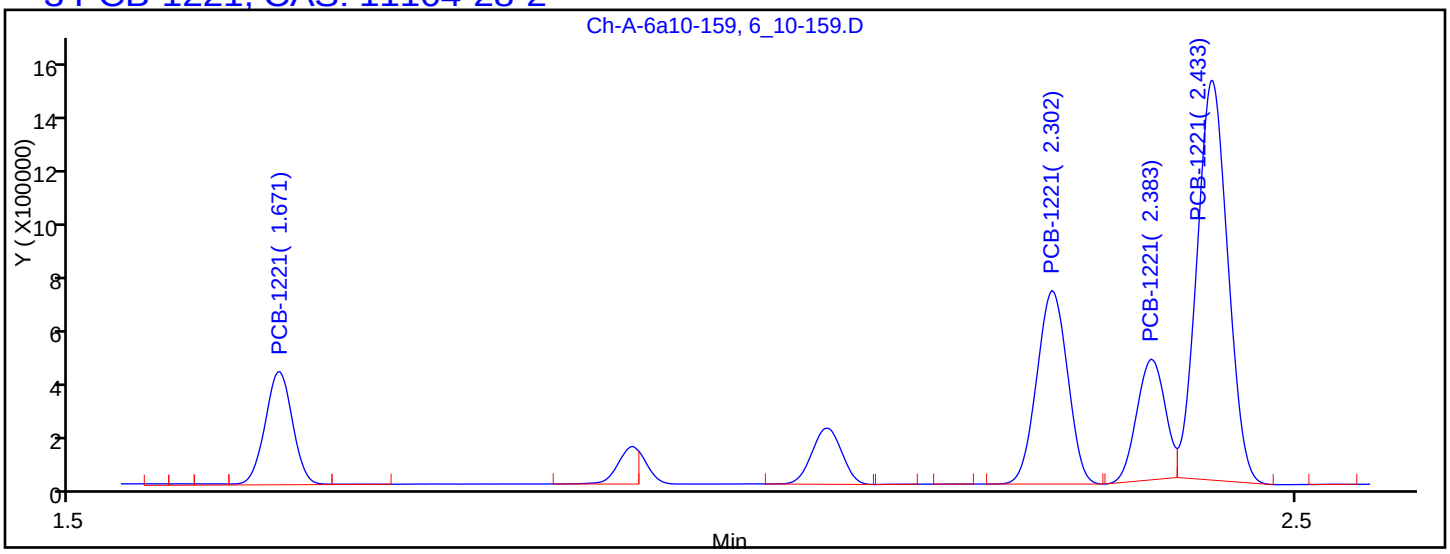
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

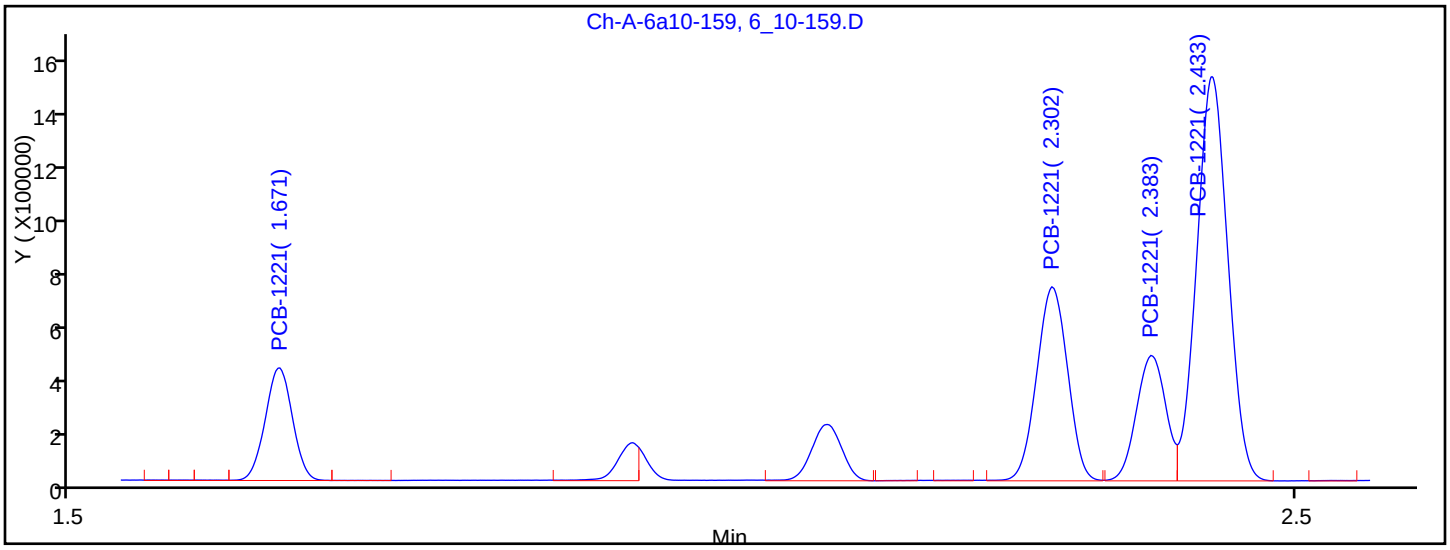
Column: Detector Ch-A-7A136

3 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.671	Response = 614840	
2.302	Response = 1176647	
2.383	Response = 682352	
2.433	Response = 2437474	



Manual Integration Results

1.671	Response = 605745	M
2.302	Response = 1186770	M
2.383	Response = 729843	M
2.433	Response = 2495566	M

Reviewer: sobolk, 16-Sep-2016 21:25:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 16-Sep-2016 21:32:02 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-159.D

Injection Date: 15-Sep-2016 23:12:04 Instrument ID: HP6890-6

Lims ID: IC 3

Client ID:

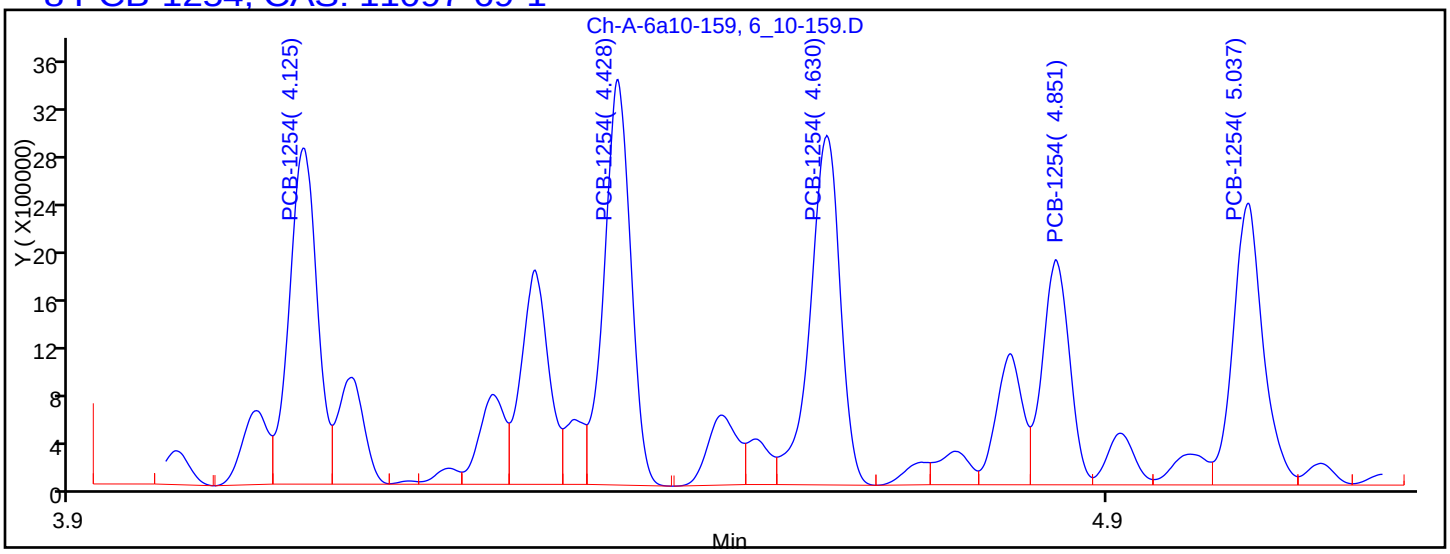
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

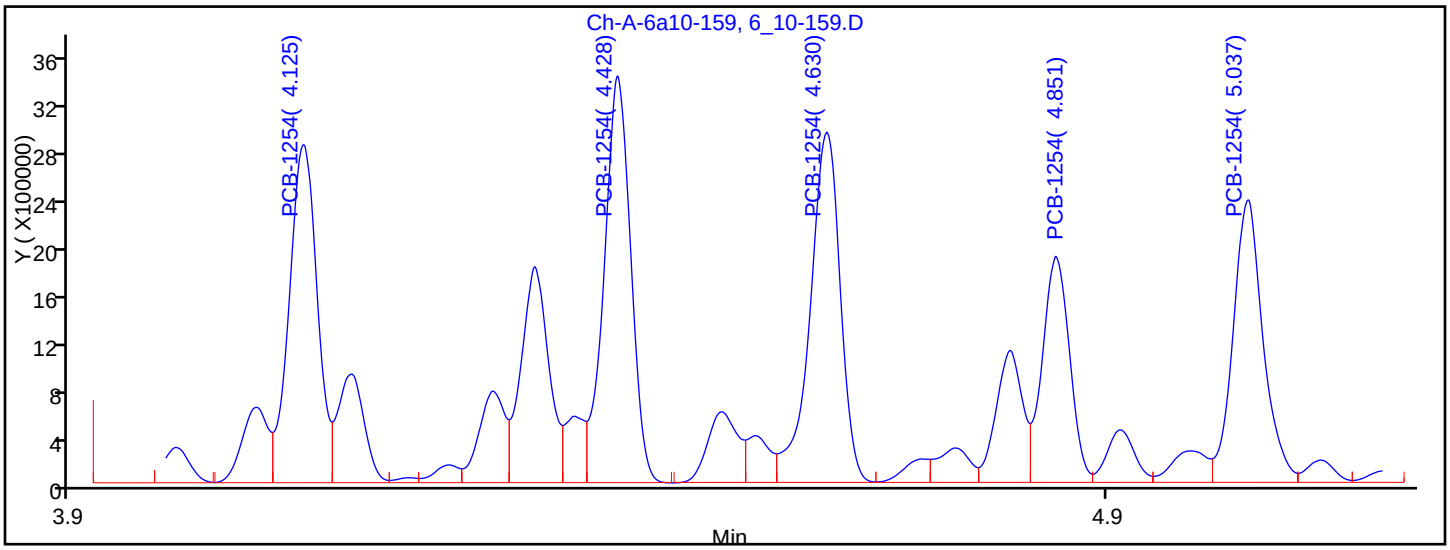
Column: Detector Ch-A-7A136

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.125	Response = 5117697
4.428	Response = 5883696
4.630	Response = 5754838
4.851	Response = 3335566
5.037	Response = 4609659



Manual Integration Results

4.125	Response = 5170016	M
4.428	Response = 5908924	M
4.630	Response = 5790462	M
4.851	Response = 3360905	M
5.037	Response = 4636867	M

Reviewer: sobolk, 16-Sep-2016 21:11:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-160.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Sep-2016 23:28:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:32:09 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:16:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.166	1.164	0.002	28599833	0.5000	0.5000	M
2	1.141	1.139	0.002	50129566	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							M
1	1.670	1.671	-0.001	197632	0.5000	0.5886	M
1	2.302	2.303	0.000	330614	0.5000	0.5348	M
1	2.383	2.383	-0.001	219058	0.5000	0.5592	M
1	2.432	2.432	0.000	755738	0.5000	0.5794	M
		Average of Peak Amounts =				0.5655	
2	1.510	1.509	0.001	327052	0.5000	0.5794	
2	2.086	2.085	0.001	526750	0.5000	0.4721	
2	2.198	2.197	0.001	325667	0.5000	0.5433	
2	2.250	2.248	0.002	1057466	0.5000	0.4737	
		Average of Peak Amounts =				0.5171	
						RPD = 8.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							
1	4.125	4.123	0.003	1337352	0.5000	0.5200	
1	4.428	4.428	0.000	1485770	0.5000	0.5087	
1	4.632	4.630	0.002	1448618	0.5000	0.4537	
1	4.853	4.853	0.000	861898	0.5000	0.4571	
1	5.036	5.038	-0.002	1177510	0.5000	0.4571	
		Average of Peak Amounts =				0.4793	
2	3.759	3.759	0.000	1449571	0.5000	0.4729	
2	3.847	3.847	0.000	2062106	0.5000	0.4748	
2	4.243	4.243	-0.001	3178791	0.5000	0.4892	
2	4.376	4.377	-0.001	2885363	0.5000	0.4745	
2	4.819	4.818	0.001	2633420	0.5000	0.4742	
		Average of Peak Amounts =				0.4771	
						RPD = 0.45	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00007 Amount Added: 0.25 Units: mL

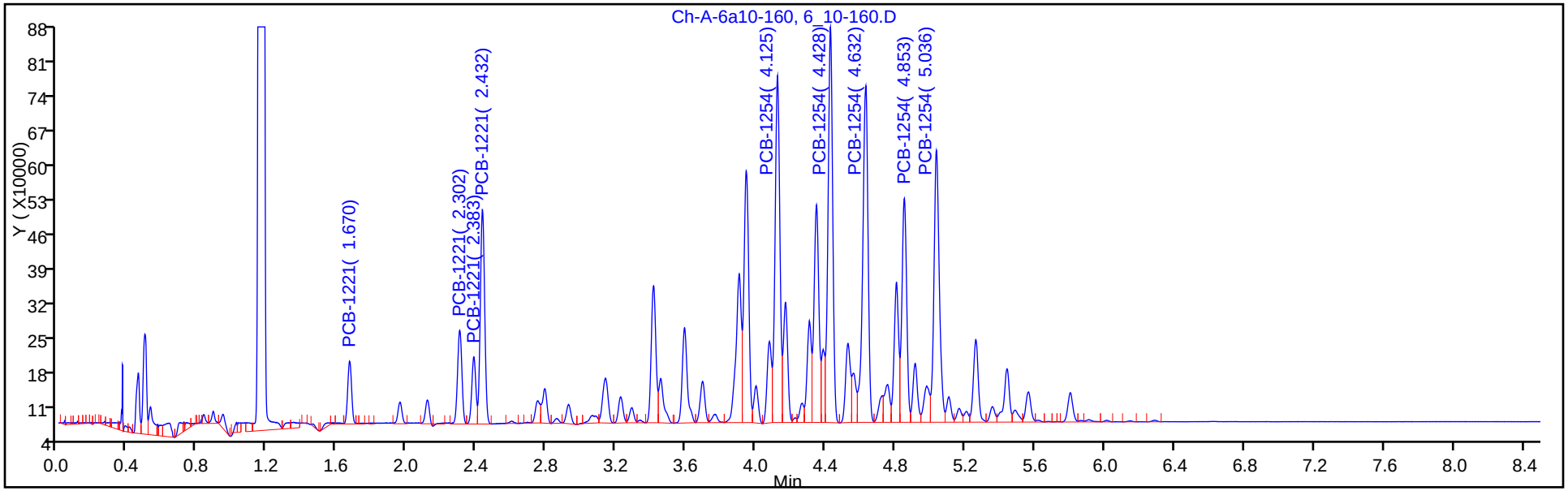
Report Date: 16-Sep-2016 21:32:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

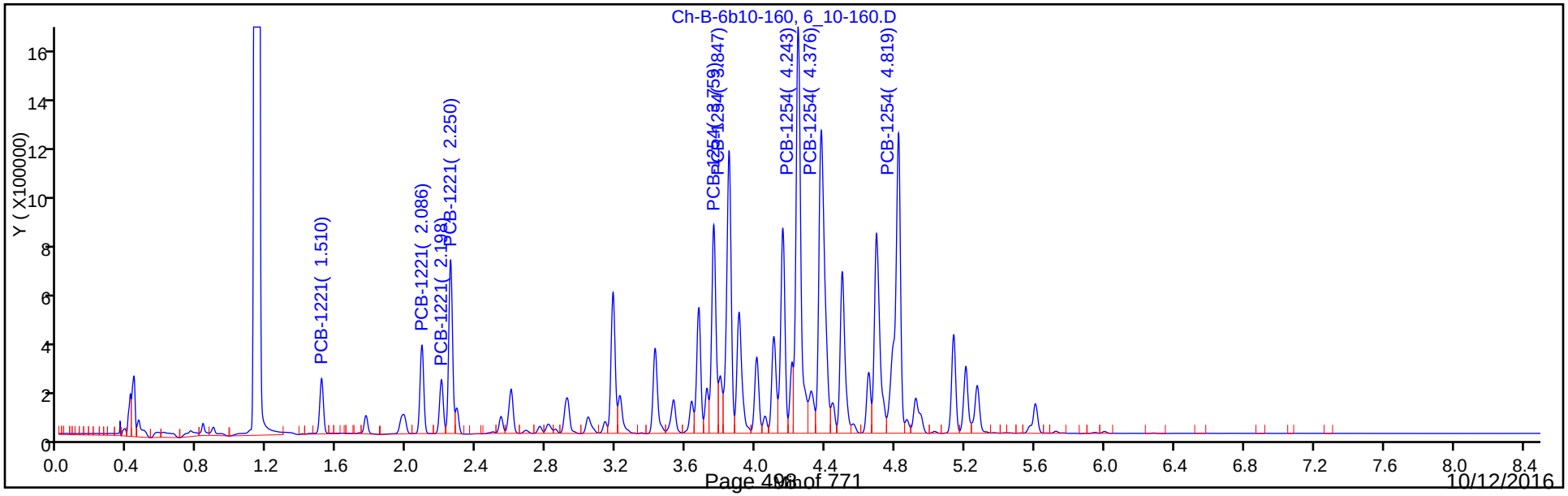
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-160.D

Injection Date:	15-Sep-2016 23:28:00	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

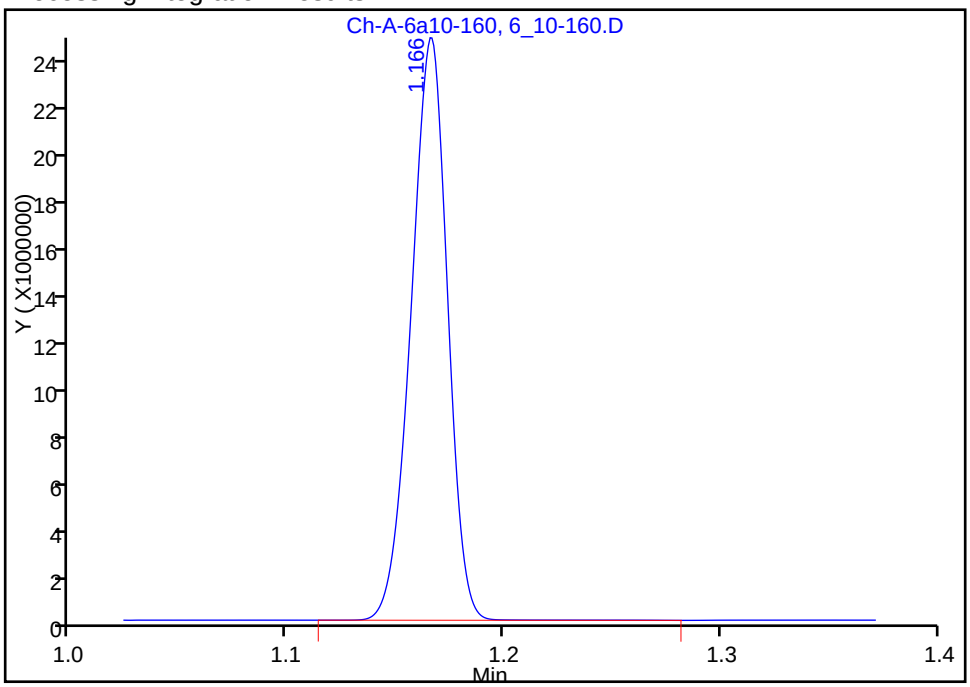
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-160.D
Injection Date: 15-Sep-2016 23:28:00 Instrument ID: HP6890-6
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

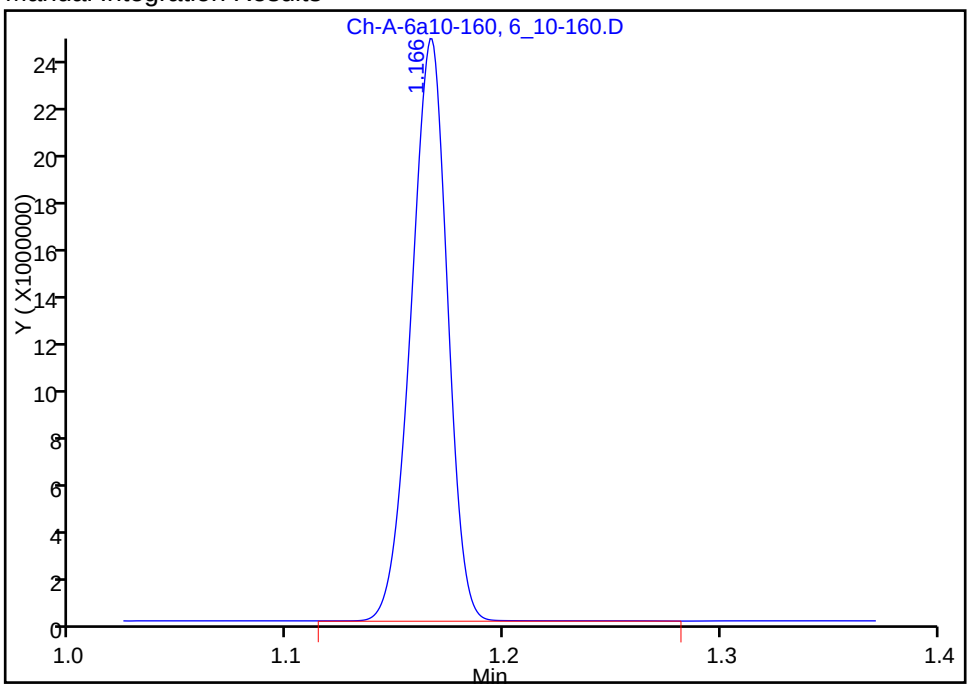
Processing Integration Results

RT: 1.17
Area: 28508353
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.17
Area: 28599833
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 16-Sep-2016 21:18:14
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 16-Sep-2016 21:32:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-160.D

Injection Date: 15-Sep-2016 23:28:00 Instrument ID: HP6890-6

Lims ID: IC 2

Client ID:

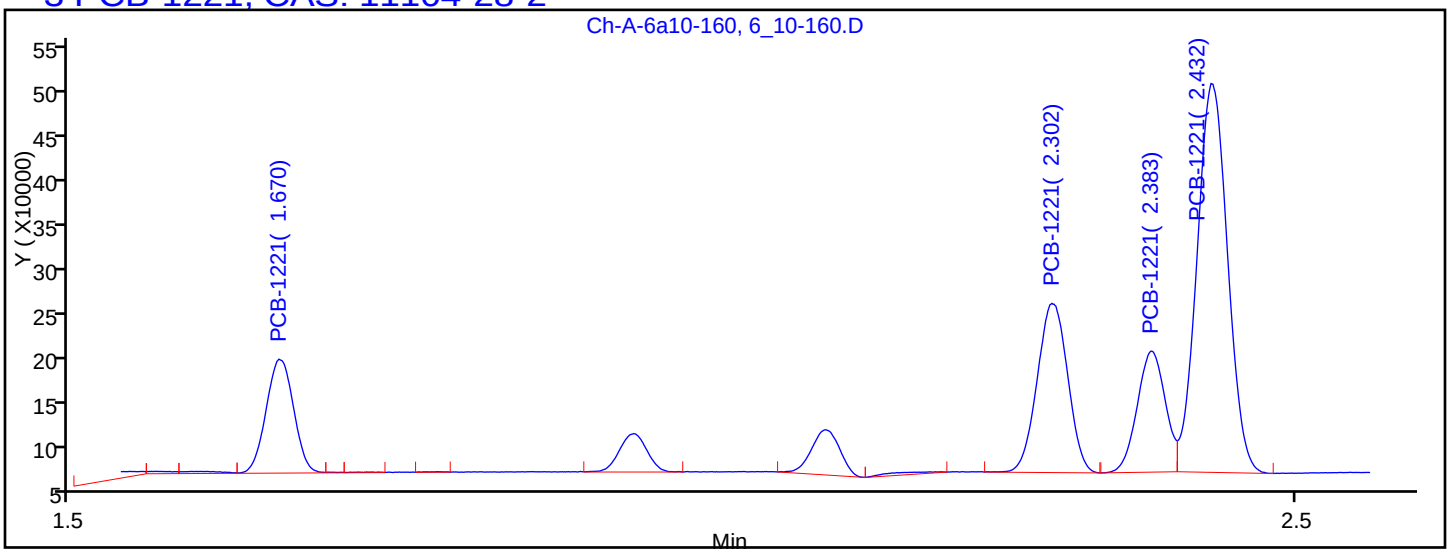
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

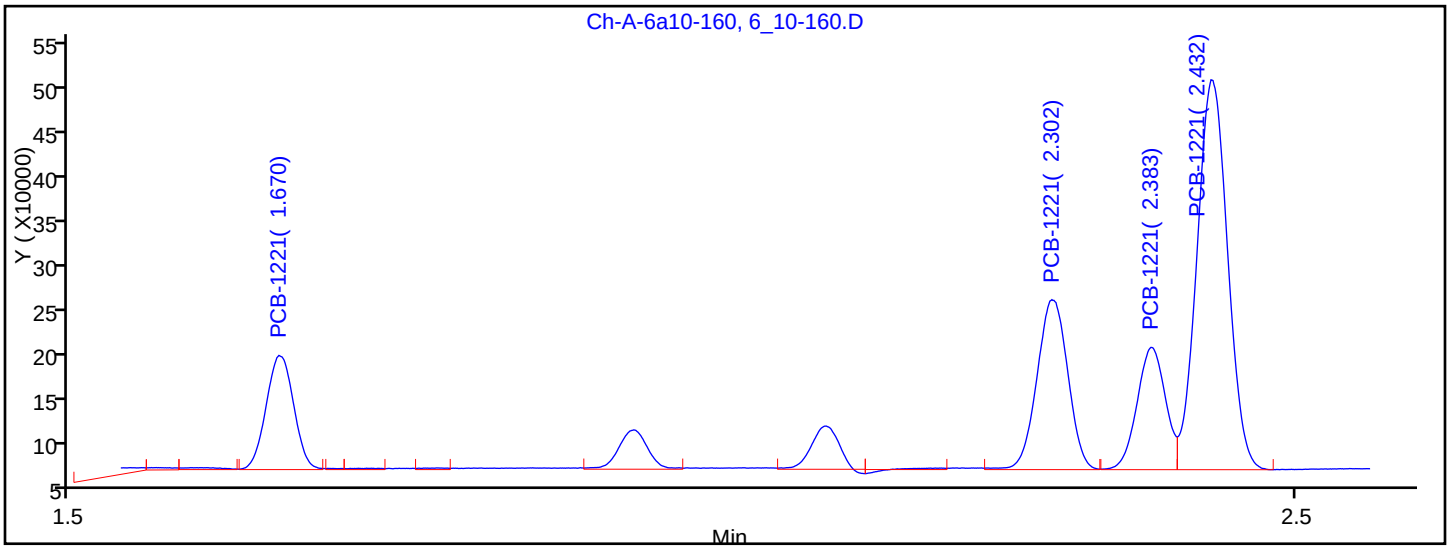
Column: Detector Ch-A-7A136

3 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.670	Response = 196640
2.302	Response = 325137
2.383	Response = 214543
2.432	Response = 751440



Manual Integration Results

1.670	Response = 197632	M
2.302	Response = 330614	M
2.383	Response = 219058	M
2.432	Response = 755738	M

Reviewer: sobolk, 16-Sep-2016 21:24:51

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-Sep-2016 23:44:08 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:32:14 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 17:08:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.164	1.164	0.000	30723838	0.5000	0.5000	M
2	1.139	1.139	0.000	53953507	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							M
1	1.671	1.671	0.000	31232	0.0200	0.0173	M
1	2.303	2.303	0.000	36625	0.0200	0.0189	M
1	2.383	2.383	0.000	29349	0.0200	0.0182	M
1	2.432	2.432	0.000	61643	0.0200	0.0176	M
		Average of Peak Amounts =				0.0180	
2	1.509	1.509	0.000	22816	0.0200	0.0176	M
2	2.085	2.085	0.000	28773	0.0200	0.0240	M
2	2.197	2.197	0.000	18747	0.0200	0.0187	M
2	2.248	2.248	0.000	57089	0.0200	0.0238	M
		Average of Peak Amounts =				0.0210	
						RPD = 15.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							M
1	4.123	4.123	0.000	78849	0.0200	0.0194	M
1	4.428	4.428	0.000	88169	0.0200	0.0197	M
1	4.630	4.630	0.000	83092	0.0200	0.0242	M
1	4.853	4.853	0.000	49420	0.0200	0.0244	M
1	5.038	5.038	0.000	67031	0.0200	0.0242	M
		Average of Peak Amounts =				0.0224	
2	3.759	3.759	0.000	71293	0.0200	0.0216	
2	3.847	3.847	0.000	99335	0.0200	0.0213	
2	4.243	4.243	0.000	137761	0.0200	0.0197	
2	4.377	4.377	0.000	128147	0.0200	0.0196	
2	4.818	4.818	0.000	126191	0.0200	0.0211	
		Average of Peak Amounts =				0.0207	
						RPD = 8.10	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00004 Amount Added: 0.25 Units: mL

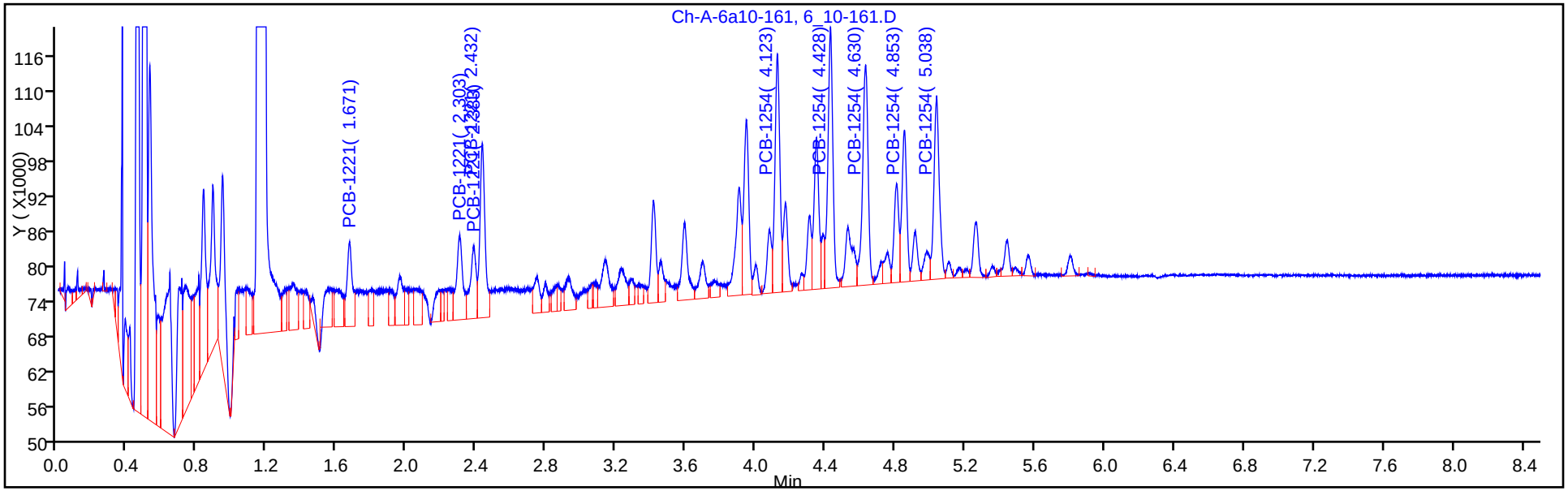
Report Date: 16-Sep-2016 21:32:15 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

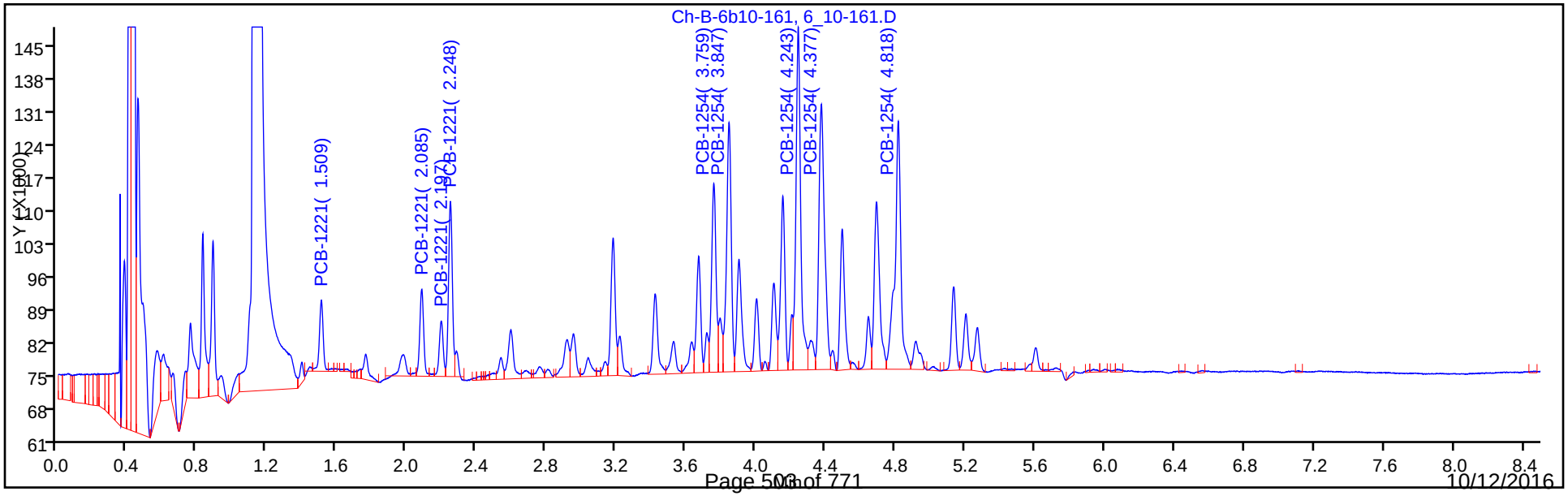
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D

Injection Date:	15-Sep-2016 23:44:08	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

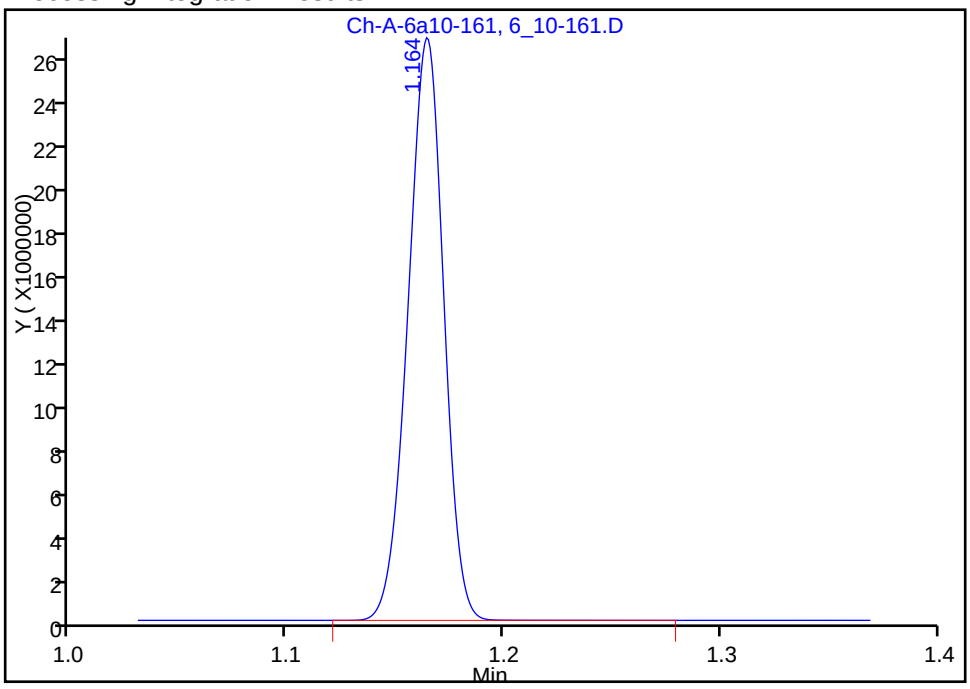
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D
Injection Date: 15-Sep-2016 23:44:08 Instrument ID: HP6890-6
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

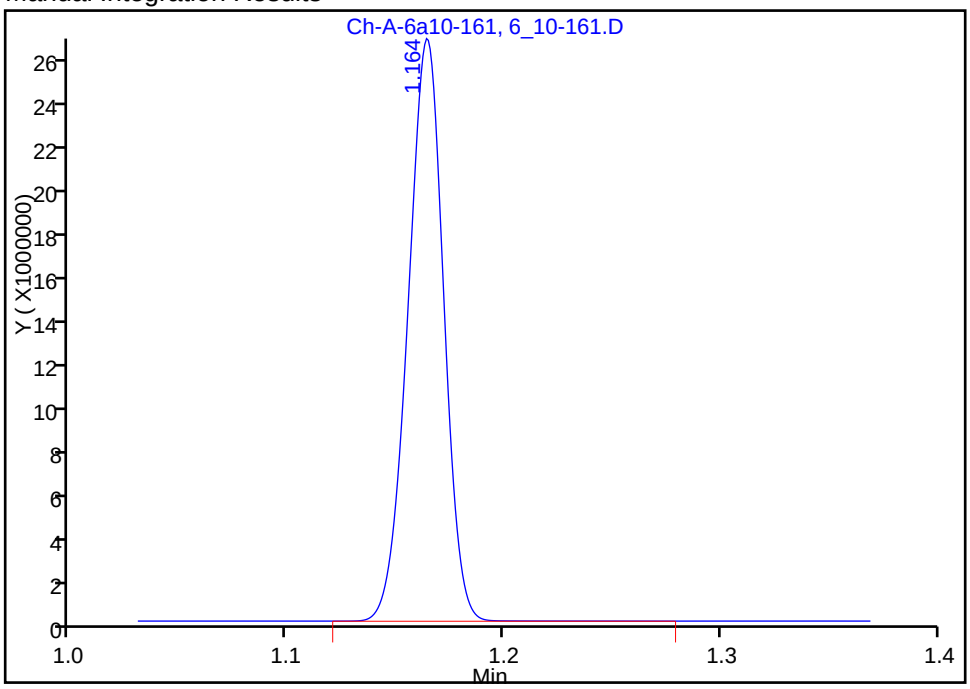
Processing Integration Results

RT: 1.16
Area: 30664886
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 30723838
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 16-Sep-2016 21:22:54
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 16-Sep-2016 21:32:15 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D

Injection Date: 15-Sep-2016 23:44:08 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

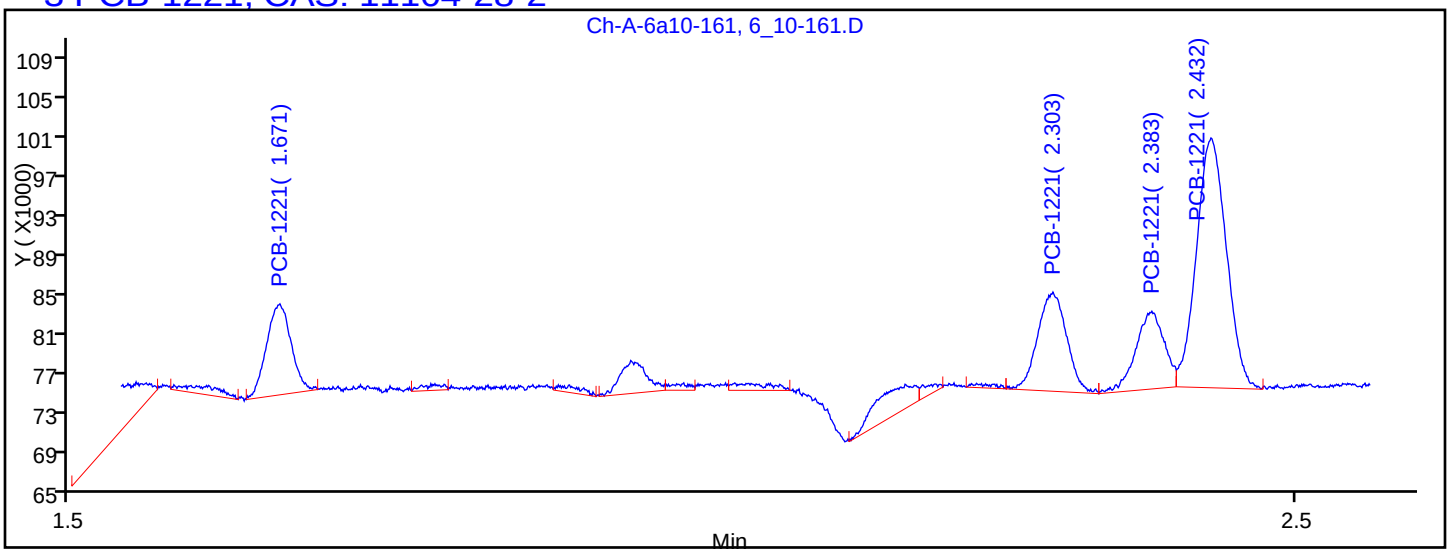
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

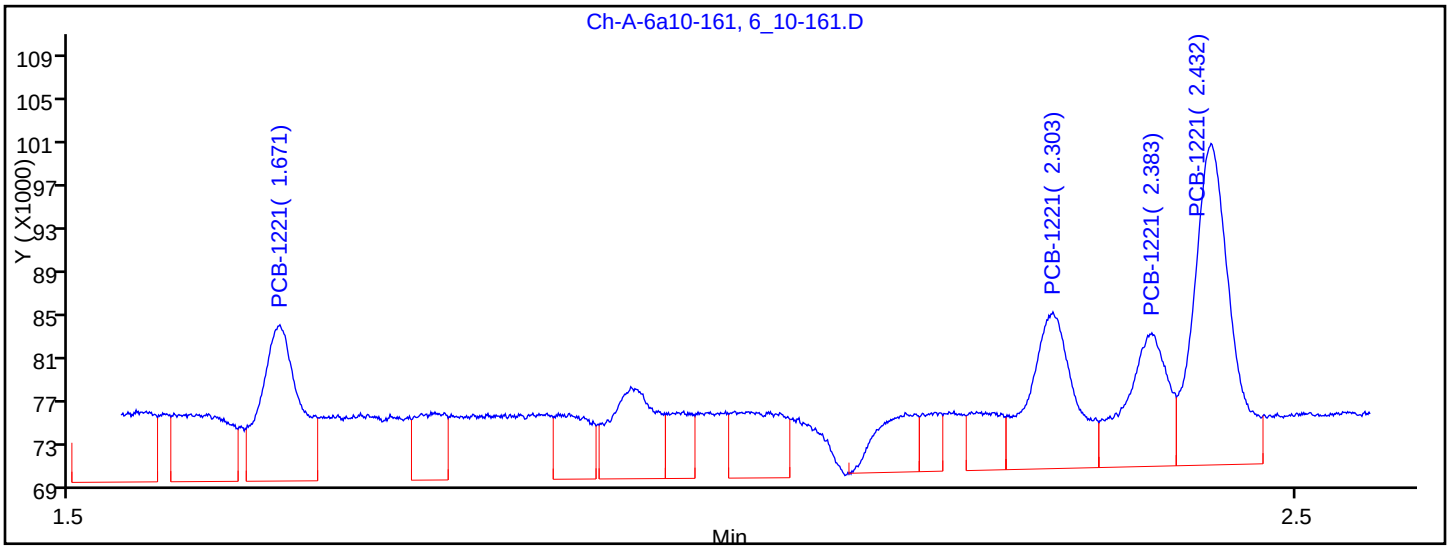
Column: Detector Ch-A-7A136

3 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.671	Response = 12839
2.303	Response = 16398
2.383	Response = 12754
2.432	Response = 42875



Manual Integration Results

1.671	Response = 31232	M
2.303	Response = 36625	M
2.383	Response = 29349	M
2.432	Response = 61643	M

Reviewer: sobolk, 16-Sep-2016 21:26:36

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 16-Sep-2016 21:32:15 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D

Injection Date: 15-Sep-2016 23:44:08 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

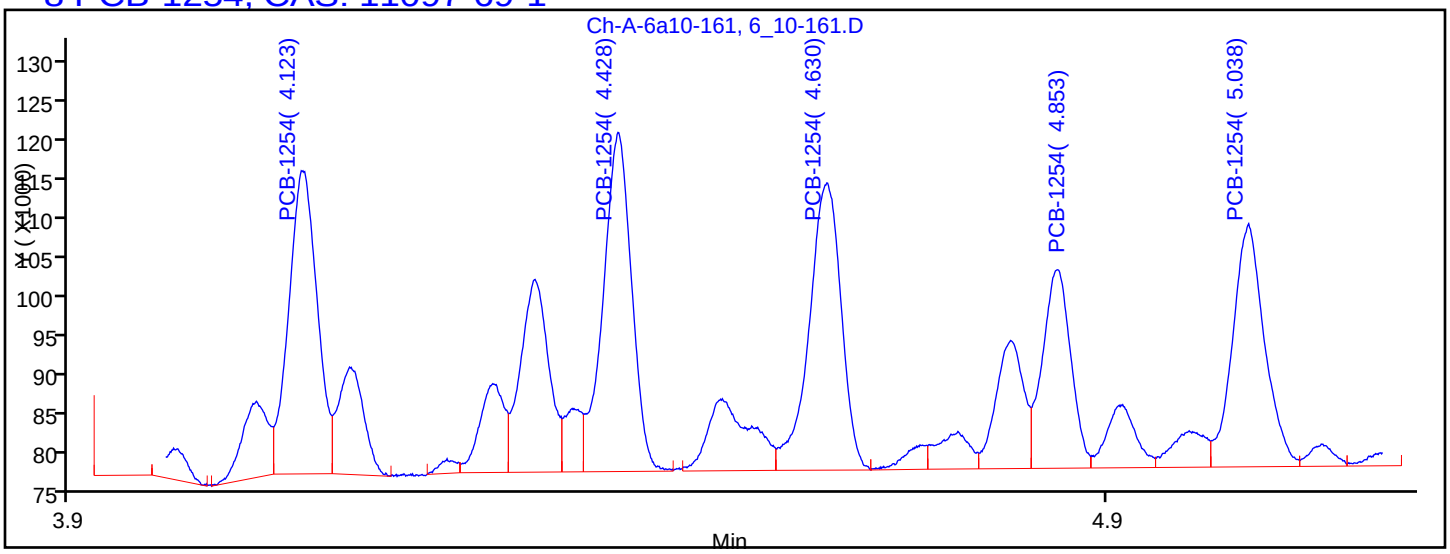
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

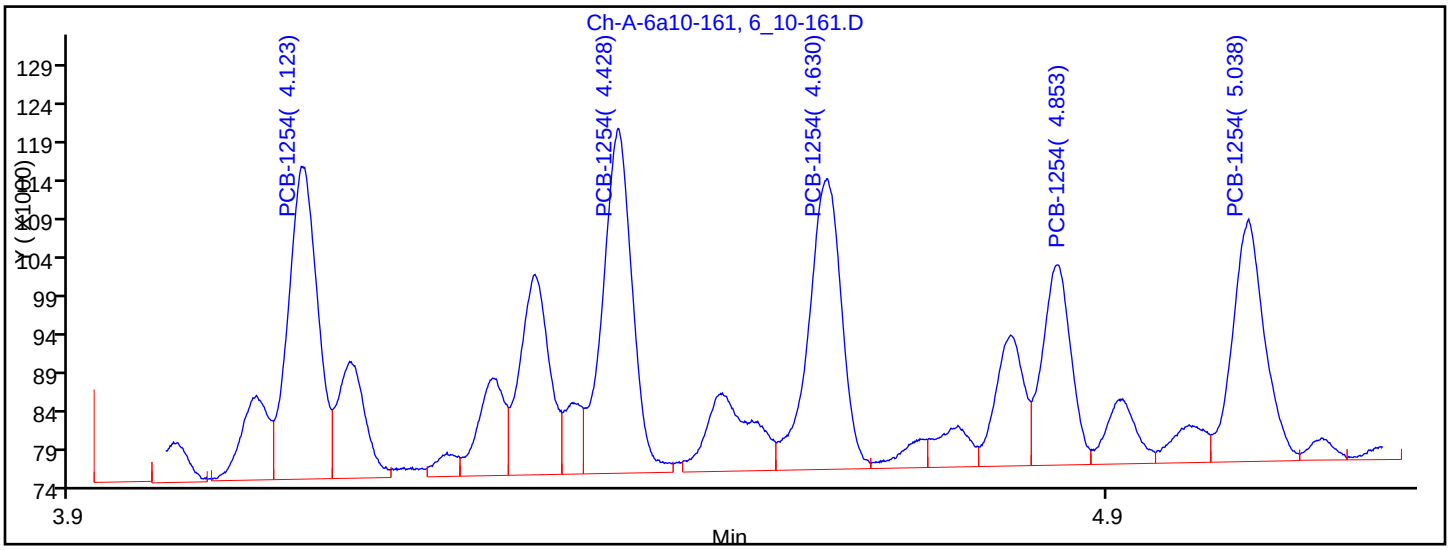
Column: Detector Ch-A-7A136

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.123	Response = 73843
4.428	Response = 82933
4.630	Response = 79209
4.853	Response = 48080
5.038	Response = 66459



Manual Integration Results

4.123	Response = 78849	M
4.428	Response = 88169	M
4.630	Response = 83092	M
4.853	Response = 49420	M
5.038	Response = 67031	M

Reviewer: sobolk, 16-Sep-2016 21:26:36

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 23:12 Calibration End Date: 09/15/2016 23:44 Calibration ID: 28354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/17	6_10-161.D
Level 2	IC 480-320599/16	6_10-160.D
Level 3	IC 480-320599/15	6_10-159.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0106	0.0065	0.0053			Lin1	0.0001	0.0054							0.9930		0.9900
PCB-1221 Peak 2	0.0133	0.0105	0.0095			Ave		0.0111				17.7		20.0			
PCB-1221 Peak 3	0.0087	0.0065	0.0058			Lin1	0.0001	0.0059							0.9980		0.9900
PCB-1221 Peak 4	0.0265	0.0211	0.0192			Ave		0.0223				16.8		20.0			
PCB-1254 Peak 1	0.0330	0.0289	0.0298			Ave		0.0306				7.1		20.0			
PCB-1254 Peak 2	0.0460	0.0411	0.0428			Ave		0.0433				5.7		20.0			
PCB-1254 Peak 3	0.0638	0.0634	0.0672			Ave		0.0648				3.2		20.0			
PCB-1254 Peak 4	0.0594	0.0576	0.0650			Ave		0.0607				6.4		20.0			
PCB-1254 Peak 5	0.0585	0.0525	0.0552			Ave		0.0554				5.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/15/2016 23:12 Calibration End Date: 09/15/2016 23:44 Calibration ID: 28354

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/17	6_10-161.D
Level 2	IC 480-320599/16	6_10-160.D
Level 3	IC 480-320599/15	6_10-159.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	22816	327052	1072533			0.0200	0.500	2.00		
PCB-1221 Peak 2	BNB	Ave	28773	526750	1939856			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	18747	325667	1172237			0.0200	0.500	2.00		
PCB-1221 Peak 4	BNB	Ave	57089	1057466	3910725			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Ave	71293	1449571	6045932			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Ave	99335	2062106	8694369			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Ave	137761	3178791	13649957			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Ave	128147	2885363	13211409			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Ave	126191	2633420	11204447			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-159.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-Sep-2016 23:12:04 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:32:02 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:11:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.165	1.164	0.001	29424075	0.5000	0.5000	M
2	1.139	1.139	0.000	50788791	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							M
1	1.671	1.671	0.000	605745	2.00	1.91	M
1	2.302	2.303	0.000	1186770	2.00	1.97	M
1	2.383	2.383	-0.001	729843	2.00	1.94	M
1	2.433	2.432	0.000	2495566	2.00	1.92	M
		Average of Peak Amounts =				1.94	
2	1.509	1.509	0.000	1072533	2.00	1.92	
2	2.085	2.085	0.000	1939856	2.00	1.72	
2	2.198	2.197	0.001	1172237	2.00	1.96	
2	2.250	2.248	0.002	3910725	2.00	1.73	
		Average of Peak Amounts =				1.83	
						RPD = 5.57	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							M
1	4.125	4.123	0.003	5170016	2.00	1.98	M
1	4.428	4.428	0.000	5908924	2.00	1.99	M
1	4.630	4.630	0.000	5790462	2.00	1.76	M
1	4.851	4.853	-0.001	3360905	2.00	1.73	M
1	5.037	5.038	-0.001	4636867	2.00	1.75	M
		Average of Peak Amounts =				1.84	
2	3.759	3.759	0.000	6045932	2.00	1.95	
2	3.848	3.847	0.001	8694369	2.00	1.98	
2	4.244	4.243	0.001	13649957	2.00	2.07	
2	4.375	4.377	-0.002	13211409	2.00	2.14	
2	4.818	4.818	0.000	11204447	2.00	1.99	
		Average of Peak Amounts =				2.03	
						RPD = 9.46	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@2.0_00005 Amount Added: 0.25 Units: mL

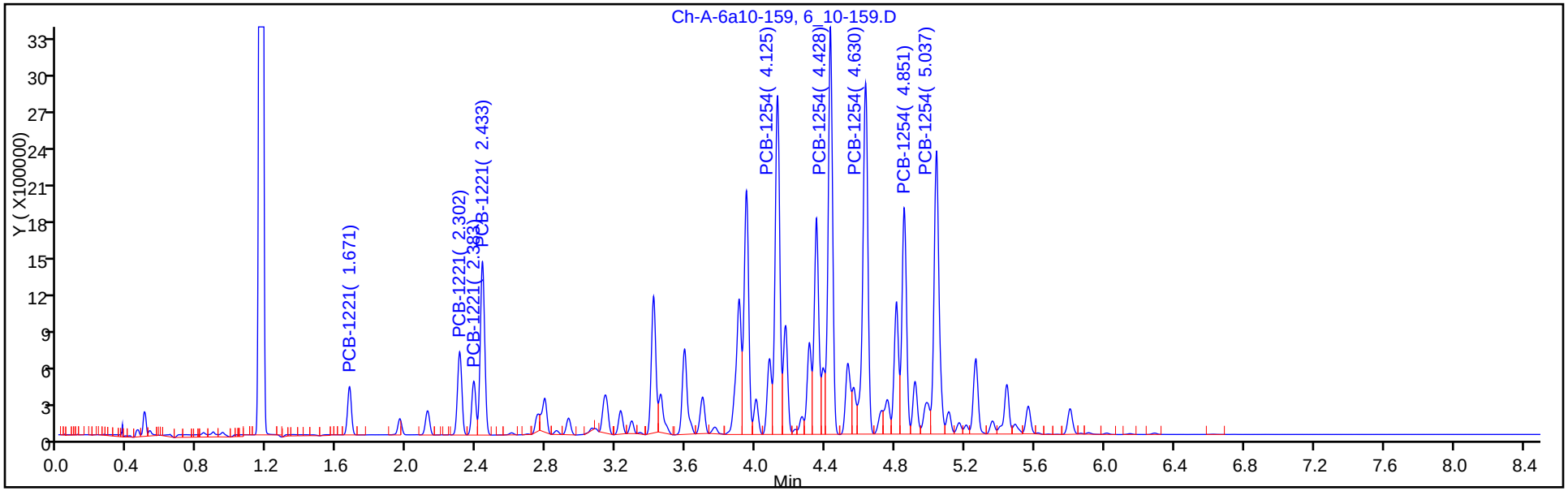
Report Date: 16-Sep-2016 21:32:03 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

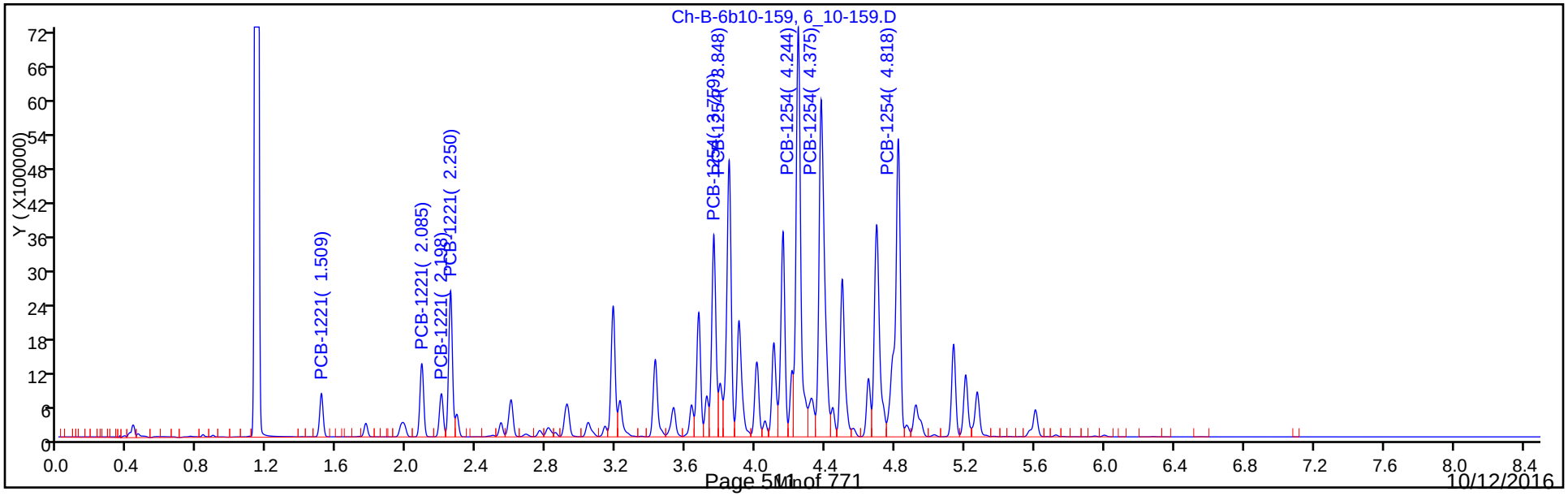
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-159.D

Injection Date:	15-Sep-2016 23:12:04	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-160.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Sep-2016 23:28:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:32:09 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:16:33

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.166	1.164	0.002	28599833	0.5000	0.5000	M
2	1.141	1.139	0.002	50129566	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							M
1	1.670	1.671	-0.001	197632	0.5000	0.5886	M
1	2.302	2.303	0.000	330614	0.5000	0.5348	M
1	2.383	2.383	-0.001	219058	0.5000	0.5592	M
1	2.432	2.432	0.000	755738	0.5000	0.5794	M
		Average of Peak Amounts =				0.5655	
2	1.510	1.509	0.001	327052	0.5000	0.5794	
2	2.086	2.085	0.001	526750	0.5000	0.4721	
2	2.198	2.197	0.001	325667	0.5000	0.5433	
2	2.250	2.248	0.002	1057466	0.5000	0.4737	
		Average of Peak Amounts =				0.5171	
						RPD = 8.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							
1	4.125	4.123	0.003	1337352	0.5000	0.5200	
1	4.428	4.428	0.000	1485770	0.5000	0.5087	
1	4.632	4.630	0.002	1448618	0.5000	0.4537	
1	4.853	4.853	0.000	861898	0.5000	0.4571	
1	5.036	5.038	-0.002	1177510	0.5000	0.4571	
		Average of Peak Amounts =				0.4793	
2	3.759	3.759	0.000	1449571	0.5000	0.4729	
2	3.847	3.847	0.000	2062106	0.5000	0.4748	
2	4.243	4.243	-0.001	3178791	0.5000	0.4892	
2	4.376	4.377	-0.001	2885363	0.5000	0.4745	
2	4.819	4.818	0.001	2633420	0.5000	0.4742	
		Average of Peak Amounts =				0.4771	
						RPD = 0.45	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00007 Amount Added: 0.25 Units: mL

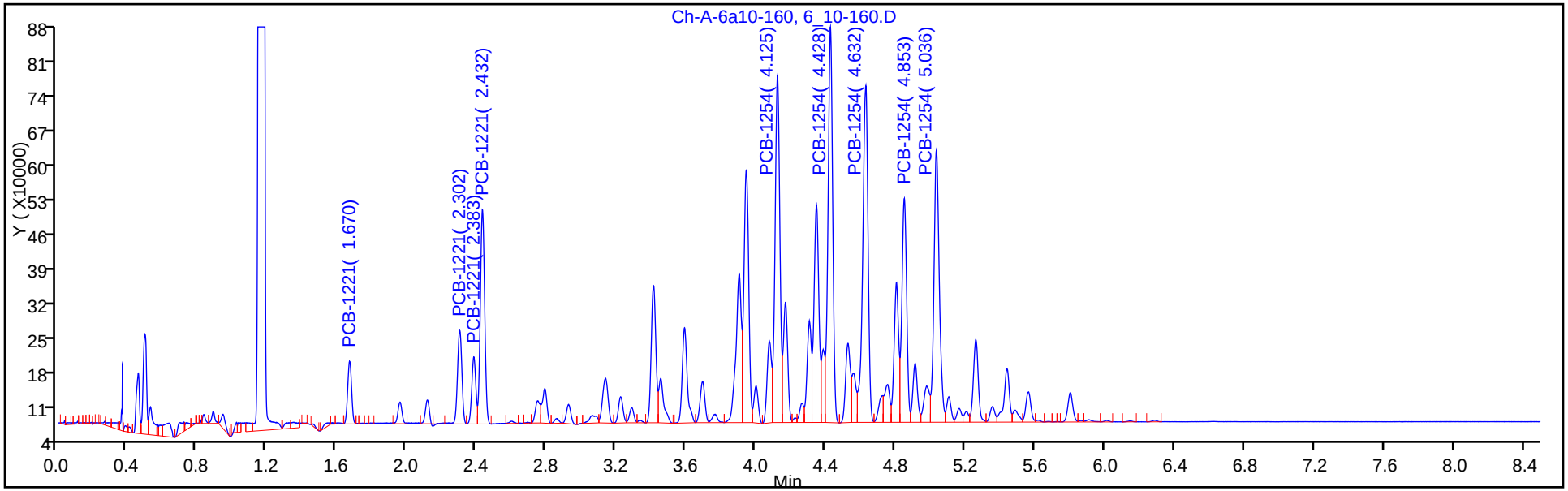
Report Date: 16-Sep-2016 21:32:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

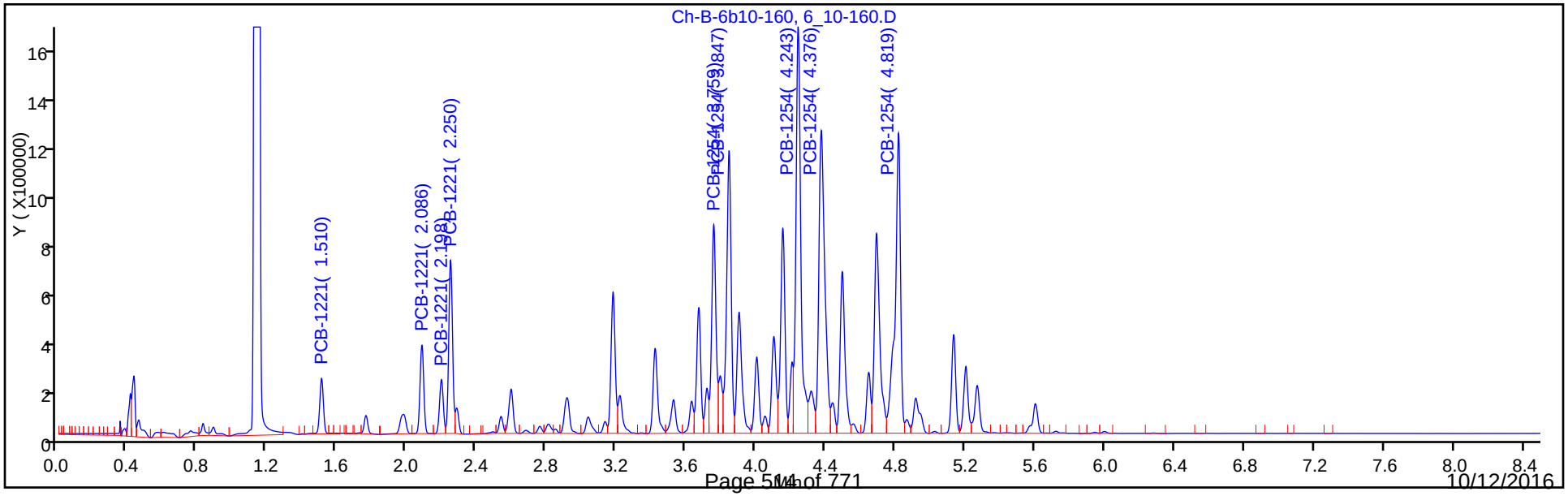
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-160.D

Injection Date:	15-Sep-2016 23:28:00	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-Sep-2016 23:44:08 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:32:14 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 17:08:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.164	1.164	0.000	30723838	0.5000	0.5000	M
2	1.139	1.139	0.000	53953507	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							M
1	1.671	1.671	0.000	31232	0.0200	0.0173	M
1	2.303	2.303	0.000	36625	0.0200	0.0189	M
1	2.383	2.383	0.000	29349	0.0200	0.0182	M
1	2.432	2.432	0.000	61643	0.0200	0.0176	M
		Average of Peak Amounts =				0.0180	
2	1.509	1.509	0.000	22816	0.0200	0.0176	M
2	2.085	2.085	0.000	28773	0.0200	0.0240	M
2	2.197	2.197	0.000	18747	0.0200	0.0187	M
2	2.248	2.248	0.000	57089	0.0200	0.0238	M
		Average of Peak Amounts =				0.0210	
						RPD = 15.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							M
1	4.123	4.123	0.000	78849	0.0200	0.0194	M
1	4.428	4.428	0.000	88169	0.0200	0.0197	M
1	4.630	4.630	0.000	83092	0.0200	0.0242	M
1	4.853	4.853	0.000	49420	0.0200	0.0244	M
1	5.038	5.038	0.000	67031	0.0200	0.0242	M
		Average of Peak Amounts =				0.0224	
2	3.759	3.759	0.000	71293	0.0200	0.0216	
2	3.847	3.847	0.000	99335	0.0200	0.0213	
2	4.243	4.243	0.000	137761	0.0200	0.0197	
2	4.377	4.377	0.000	128147	0.0200	0.0196	
2	4.818	4.818	0.000	126191	0.0200	0.0211	
		Average of Peak Amounts =				0.0207	
						RPD = 8.10	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00004 Amount Added: 0.25 Units: mL

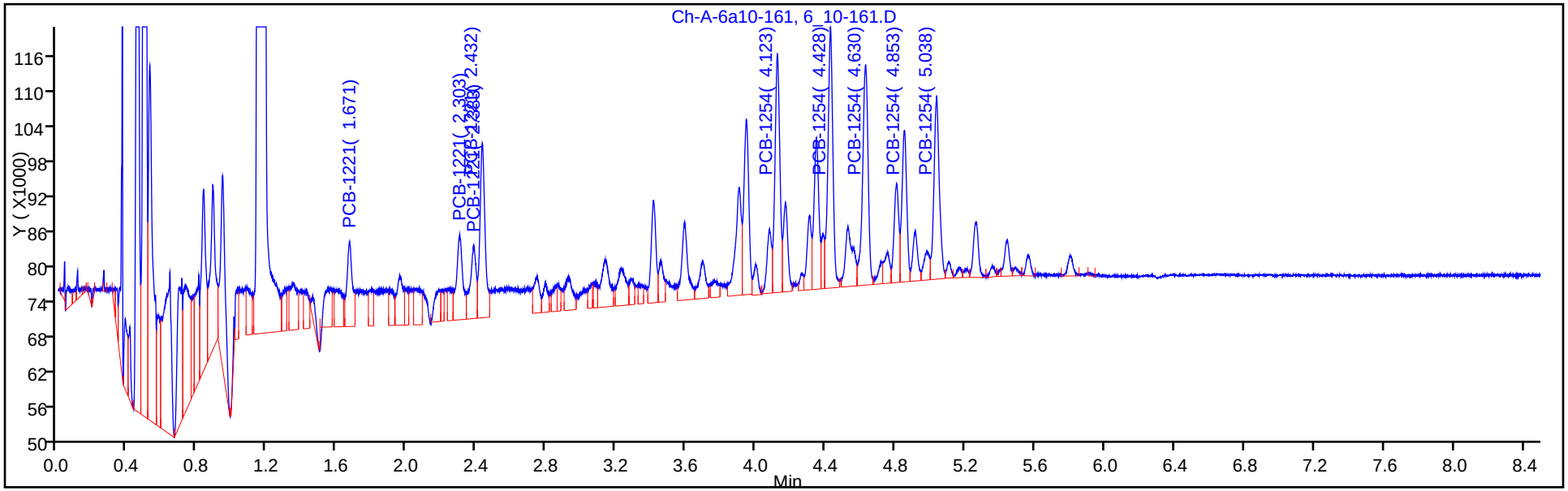
Report Date: 16-Sep-2016 21:32:15 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

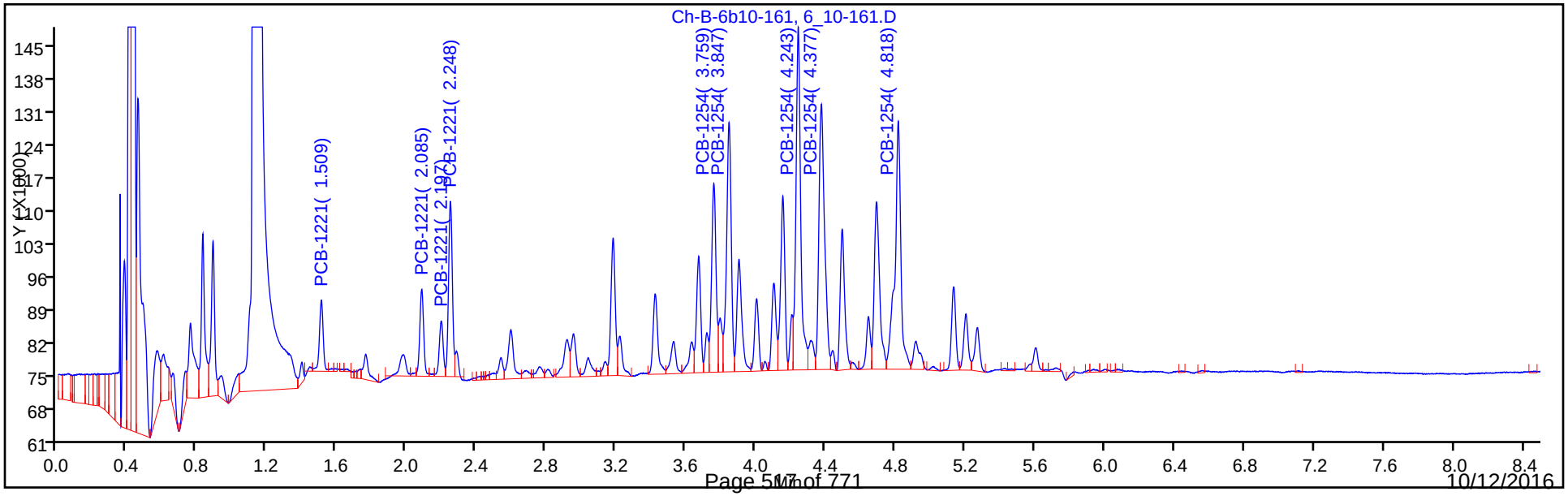
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D

Injection Date:	15-Sep-2016 23:44:08	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:32:16 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-161.D

Injection Date: 15-Sep-2016 23:44:08 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

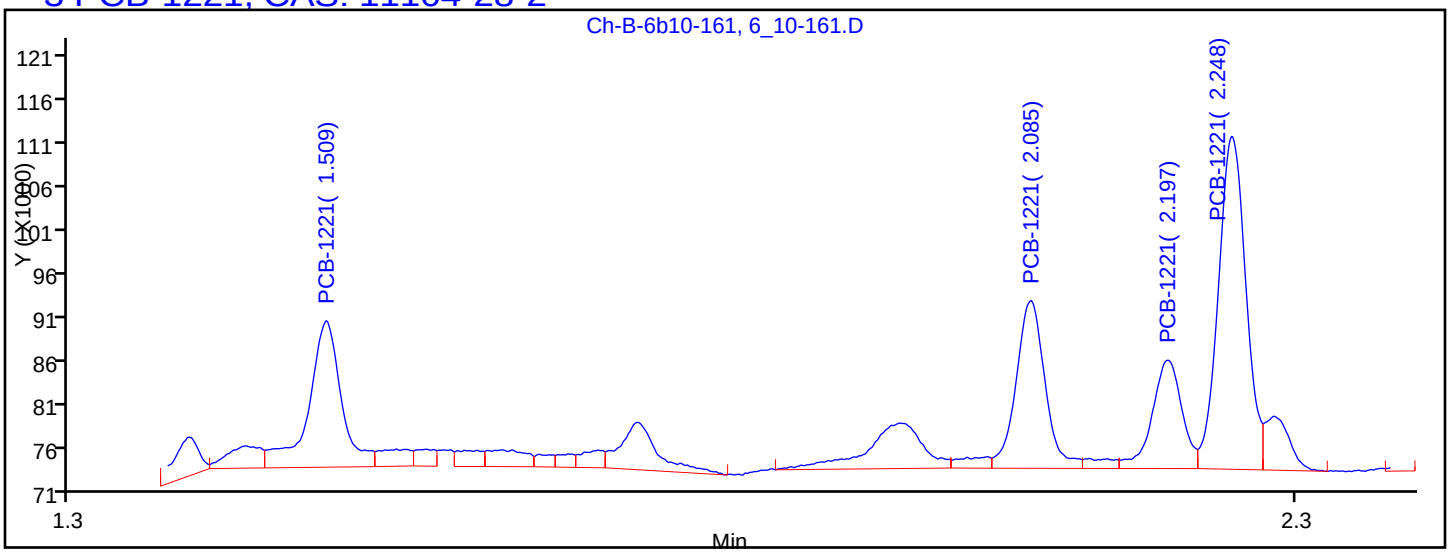
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

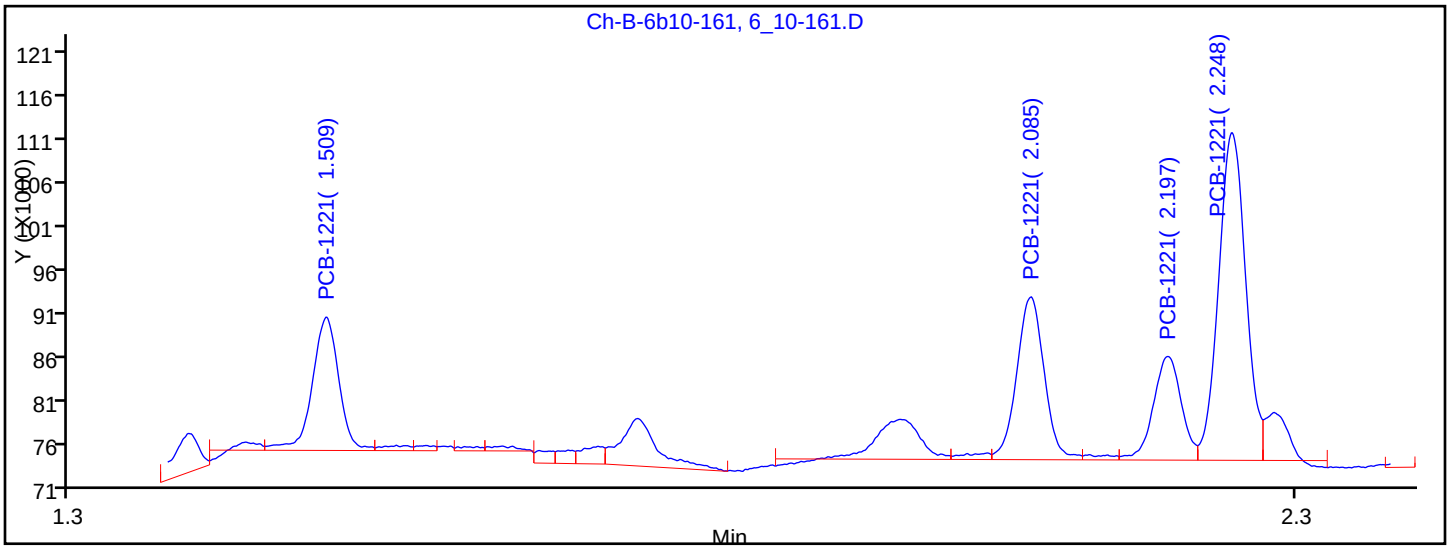
Column: Detector Ch-B-7b136

3 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.509	Response = 30783
2.085	Response = 31209
2.197	Response = 20787
2.248	Response = 58958



Manual Integration Results

1.509	Response = 22816	M
2.085	Response = 28773	M
2.197	Response = 18747	M
2.248	Response = 57089	M

Reviewer: sobolk, 16-Sep-2016 21:12:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 00:16 Calibration End Date: 09/16/2016 00:48 Calibration ID: 28359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/21	6_10-165.D
Level 2	IC 480-320599/20	6_10-164.D
Level 3	IC 480-320599/19	6_10-163.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0365	0.0235	0.0183			Lin1	0.0004	0.0190							0.9900		0.9900
PCB-1232 Peak 2	0.0211	0.0124	0.0101			Lin1	0.0002	0.0104							0.9940		0.9900
PCB-1232 Peak 3	0.0564	0.0386	0.0335			Lin1	0.0005	0.0341							0.9970		0.9900
PCB-1232 Peak 4	0.0281	0.0149	0.0126			Lin1	0.0003	0.0128							0.9970		0.9900
PCB-1232 Peak 5	0.0177	0.0102	0.0088			Lin1	0.0002	0.0089							0.9970		0.9900
PCB-1262 Peak 1	0.0561	0.0419	0.0393			Ave		0.0458				19.7		20.0			
PCB-1262 Peak 2	0.0428	0.0316	0.0296			Lin1	0.0003	0.0298							1.0000		0.9900
PCB-1262 Peak 3	0.0854	0.0702	0.0708			Ave		0.0754				11.4		20.0			
PCB-1262 Peak 4	0.0350	0.0258	0.0245			Lin1	0.0002	0.0246							1.0000		0.9900
PCB-1262 Peak 5	0.0338	0.0265	0.0252			Ave		0.0285				16.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 00:16 Calibration End Date: 09/16/2016 00:48 Calibration ID: 28359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/21	6_10-165.D
Level 2	IC 480-320599/20	6_10-164.D
Level 3	IC 480-320599/19	6_10-163.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin1	42368	653952	2103901			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	24454	345974	1166442			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin1	65423	1073513	3846499			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	32560	415429	1449634			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	20522	284899	1009761			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Ave	65146	1167440	4519898			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin1	49610	880479	3406688			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Ave	99086	1952787	8136762			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin1	40646	717130	2815195			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Ave	39185	738065	2897437			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-163.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Sep-2016 00:16:05 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:56:35 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:30:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.168	1.163	0.005	28730383	0.5000	0.5000	
2	1.143	1.138	0.004	50428734	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	2.434	2.432	0.002	2103901	2.00	1.91	
1	2.927	2.924	0.003	1166442	2.00	1.93	
1	3.140	3.138	0.002	3846499	2.00	1.95	
1	3.226	3.227	-0.001	1449634	2.00	1.94	
1	3.289	3.287	0.002	1009761	2.00	1.95	
		Average of Peak Amounts =				1.94	
2	2.252	2.248	0.004	3350176	2.00	1.95	a
2	2.593	2.591	0.001	3348360	2.00	1.96	
2	2.918	2.917	0.001	6778691	2.00	1.81	
2	3.039	3.038	0.001	2560597	2.00	1.97	
2	3.137	3.134	0.003	1728647	2.00	1.98	
		Average of Peak Amounts =				1.94	
						RPD = 0.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.166	5.165	0.001	4519898	2.00	1.72	
1	5.357	5.357	0.000	3406688	2.00	1.98	
1	5.563	5.563	-0.001	8136762	2.00	1.88	
1	5.863	5.863	0.001	2815195	2.00	1.99	
1	5.907	5.909	-0.002	2897437	2.00	1.77	
		Average of Peak Amounts =				1.87	
2	4.868	4.866	0.002	10997476	2.00	1.94	
2	5.132	5.131	0.001	9188298	2.00	1.96	
2	5.269	5.268	0.001	22748118	2.00	2.09	
2	5.566	5.565	0.001	8745013	2.00	1.98	a
2	5.608	5.606	0.002	12984349	2.00	2.02	a
		Average of Peak Amounts =				2.00	
						RPD = 6.92	

Reagents:

32-62w/IS@2.0_00004 Amount Added: 0.25 Units: mL

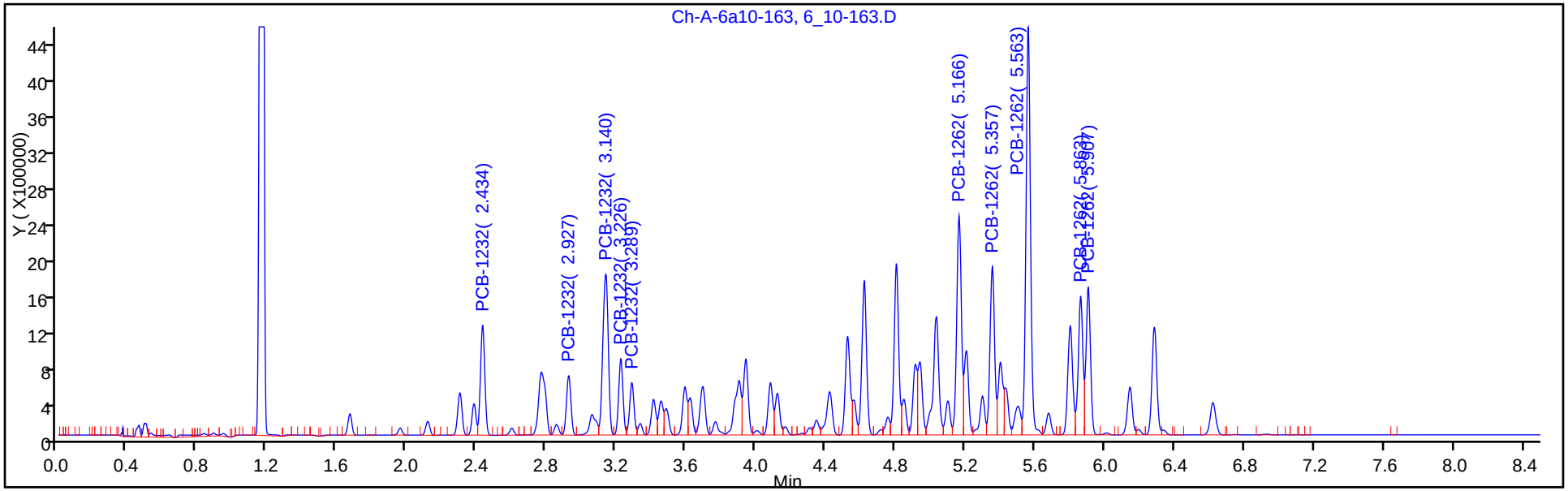
Report Date: 16-Sep-2016 21:56:36 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

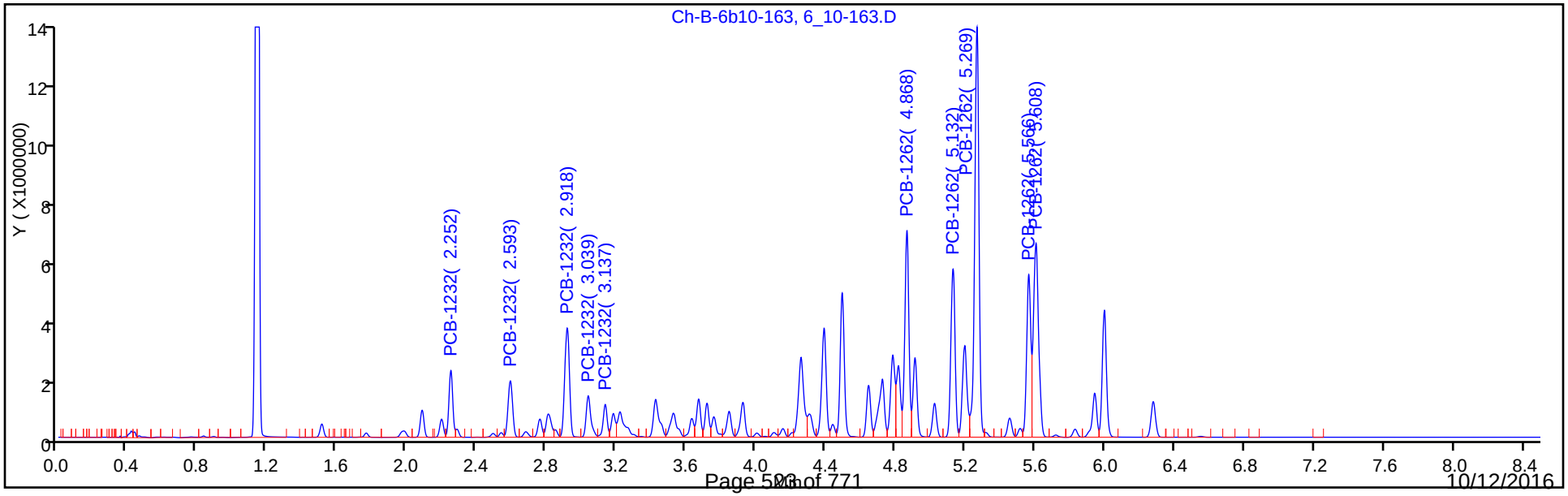
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-163.D

Injection Date:	16-Sep-2016 00:16:05	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-164.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Sep-2016 00:32:00 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:56:38 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:45:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.163	0.002	27834849	0.5000	0.5000	
2	1.140	1.138	0.002	49155191	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	2.433	2.432	0.000	653952	0.5000	0.5970	
1	2.926	2.924	0.002	345974	0.5000	0.5744	
1	3.138	3.138	0.000	1073513	0.5000	0.5514	
1	3.226	3.227	-0.001	415429	0.5000	0.5572	
1	3.288	3.287	0.001	284899	0.5000	0.5525	
		Average of Peak Amounts =				0.5665	
2	2.250	2.248	0.002	936445	0.5000	0.5500	
2	2.592	2.591	0.001	925931	0.5000	0.5444	
2	2.918	2.917	0.001	1700546	0.5000	0.4660	
2	3.038	3.038	0.000	678654	0.5000	0.5266	
2	3.136	3.134	0.002	447510	0.5000	0.5180	
		Average of Peak Amounts =				0.5210	
						RPD = 8.37	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.166	5.165	0.001	1167440	0.5000	0.4578	
1	5.355	5.357	-0.002	880479	0.5000	0.5212	
1	5.563	5.563	0.000	1952787	0.5000	0.4649	
1	5.863	5.863	0.001	717130	0.5000	0.5153	
1	5.908	5.909	-0.001	738065	0.5000	0.4652	
		Average of Peak Amounts =				0.4849	
2	4.866	4.866	0.000	2630686	0.5000	0.4767	
2	5.130	5.131	-0.001	2218720	0.5000	0.4859	
2	5.268	5.268	0.000	5261776	0.5000	0.4950	
2	5.567	5.565	0.002	2057983	0.5000	0.4787	a
2	5.607	5.606	0.001	3064777	0.5000	0.4902	a
		Average of Peak Amounts =				0.4853	
						RPD = 0.08	

Reagents:

32-62w/IS@0.5_00007 Amount Added: 0.25 Units: mL

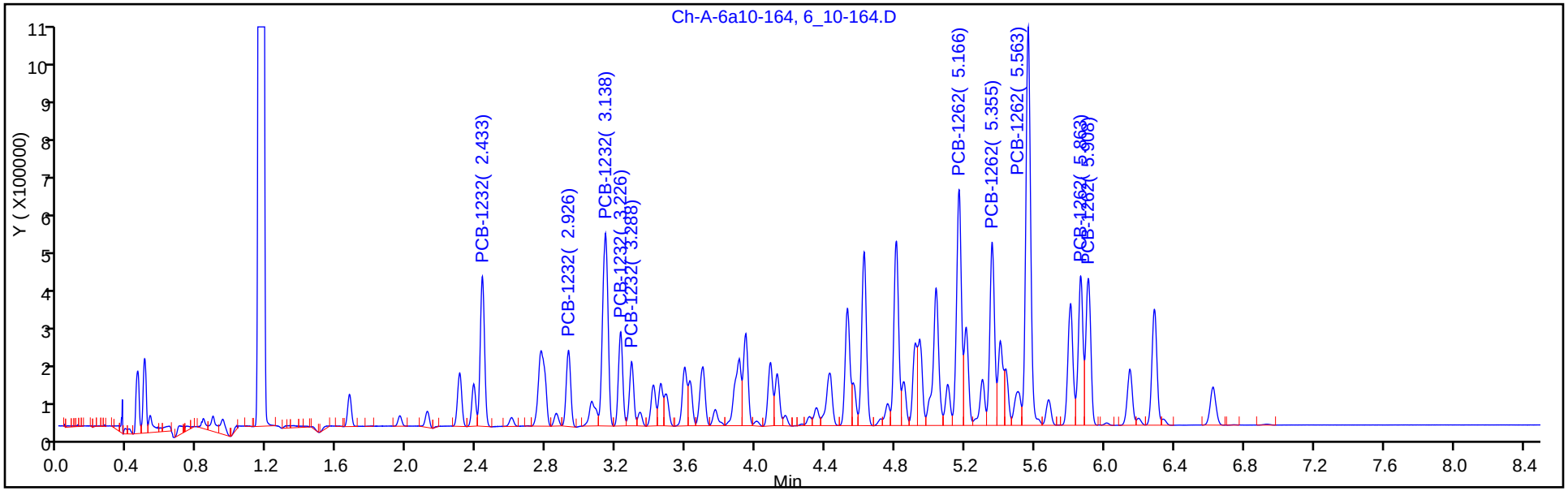
Report Date: 16-Sep-2016 21:56:39 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

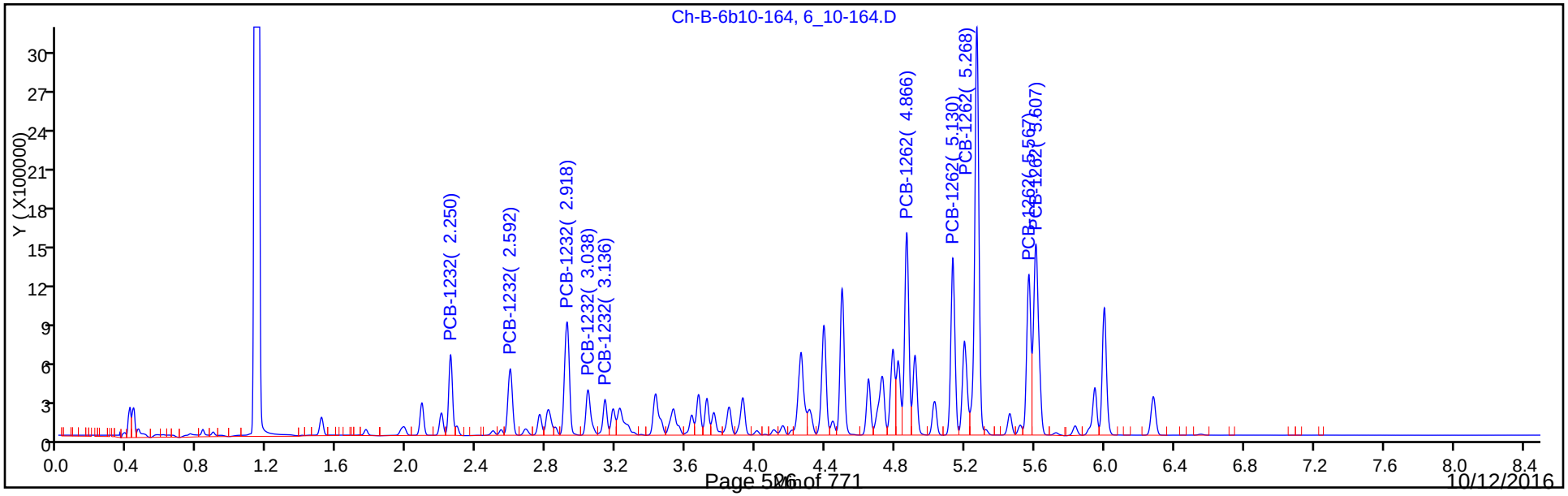
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-164.D

Injection Date:	16-Sep-2016 00:32:00	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Sep-2016 00:48:06 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:56:40 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:46:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.163	1.163	0.000	29011446	0.5000	0.5000	
2	1.138	1.138	0.000	51360112	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							M
1	2.432	2.432	0.000	42368	0.0200	0.0171	M
1	2.924	2.924	0.000	24454	0.0200	0.0177	M
1	3.138	3.138	0.000	65423	0.0200	0.0184	M
1	3.227	3.227	0.000	32560	0.0200	0.0183	M
1	3.287	3.287	0.000	20522	0.0200	0.0184	M
		Average of Peak Amounts =				0.0180	
2	2.248	2.248	0.000	55477	0.0200	0.0185	M
2	2.591	2.591	0.000	58188	0.0200	0.0187	
2	2.917	2.917	0.000	88644	0.0200	0.0233	M
2	3.038	3.038	0.000	43598	0.0200	0.0192	
2	3.134	3.134	0.000	27505	0.0200	0.0195	
		Average of Peak Amounts =				0.0198	
						RPD = 9.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							M
1	5.165	5.165	0.000	65146	0.0200	0.0245	M
1	5.357	5.357	0.000	49610	0.0200	0.0194	M
1	5.563	5.563	0.000	99086	0.0200	0.0226	M
1	5.863	5.863	0.000	40646	0.0200	0.0195	M
1	5.909	5.909	0.000	39185	0.0200	0.0237	
		Average of Peak Amounts =				0.0219	
2	4.866	4.866	0.000	123989	0.0200	0.0215	
2	5.131	5.131	0.000	99929	0.0200	0.0209	
2	5.268	5.268	0.000	214862	0.0200	0.0193	M
2	5.565	5.565	0.000	94450	0.0200	0.0210	a
2	5.606	5.606	0.000	131611	0.0200	0.0201	a
		Average of Peak Amounts =				0.0206	
						RPD = 6.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00004 Amount Added: 0.25 Units: mL

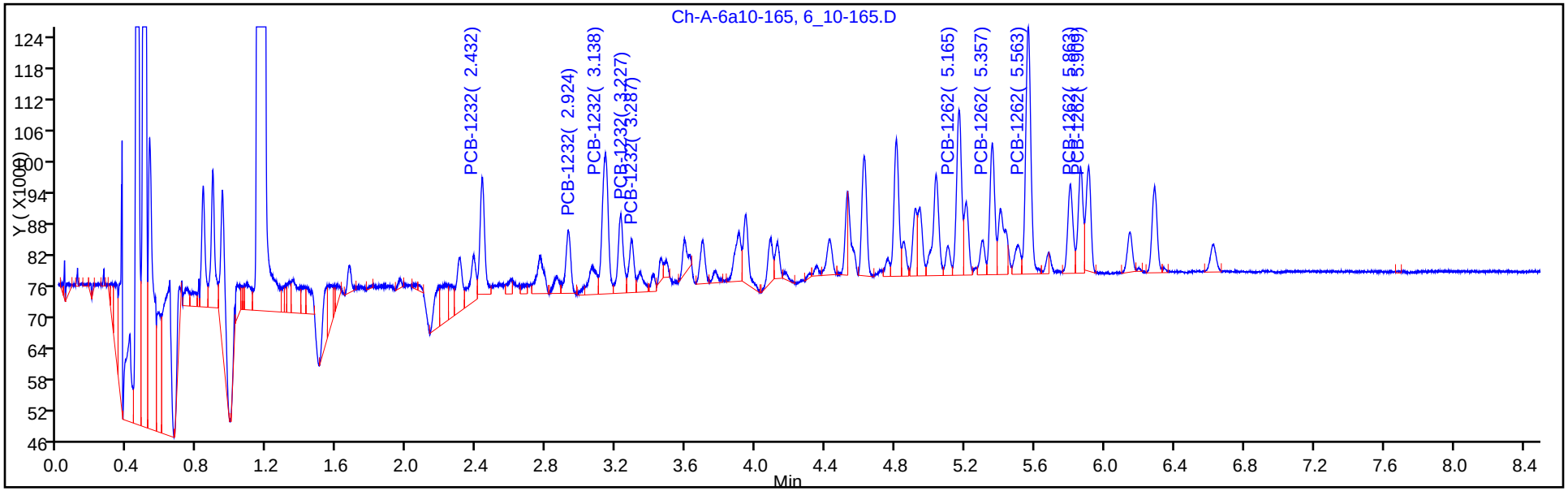
Report Date: 16-Sep-2016 21:56:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

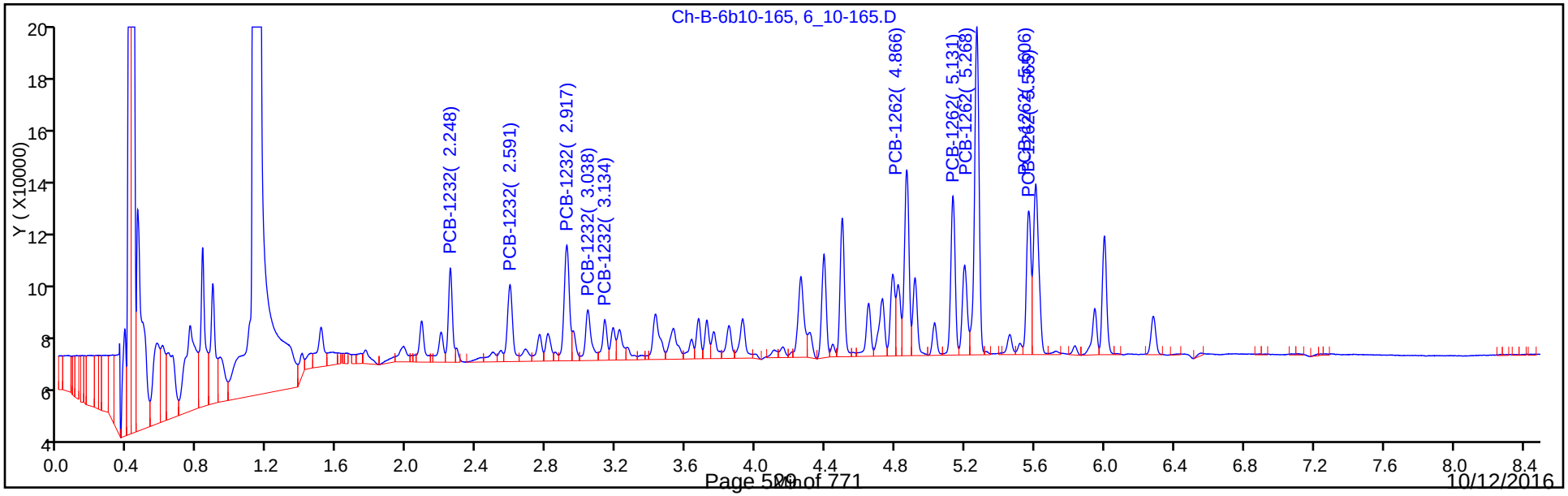
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D

Injection Date:	16-Sep-2016 00:48:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:56:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D

Injection Date: 16-Sep-2016 00:48:06 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

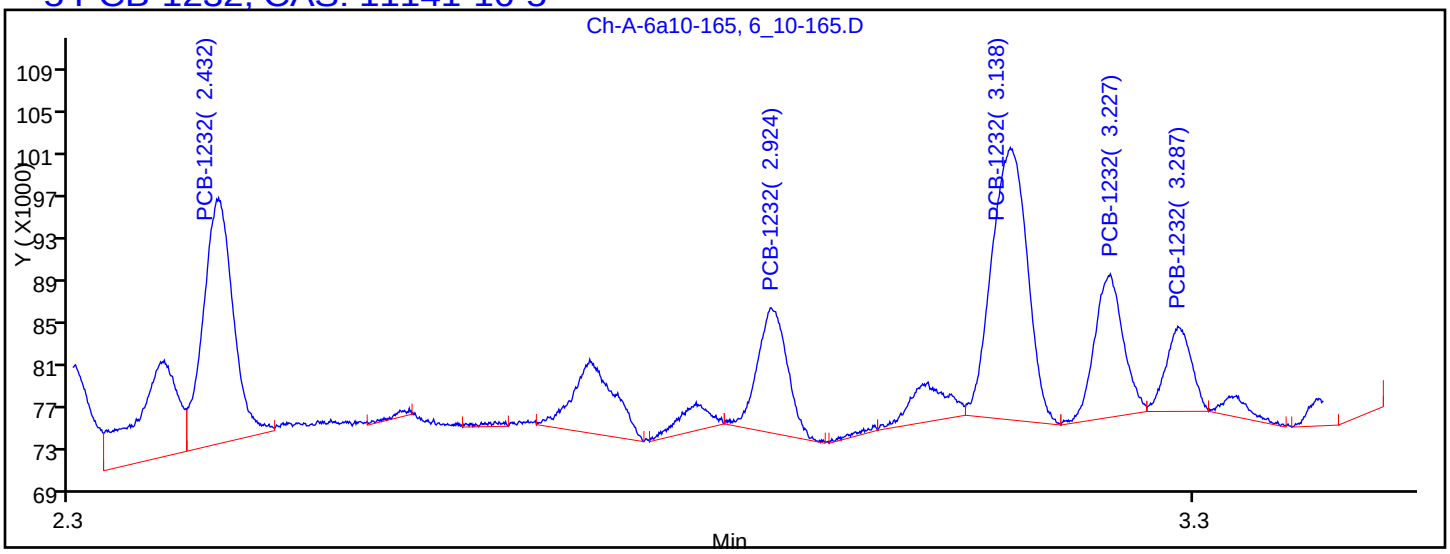
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

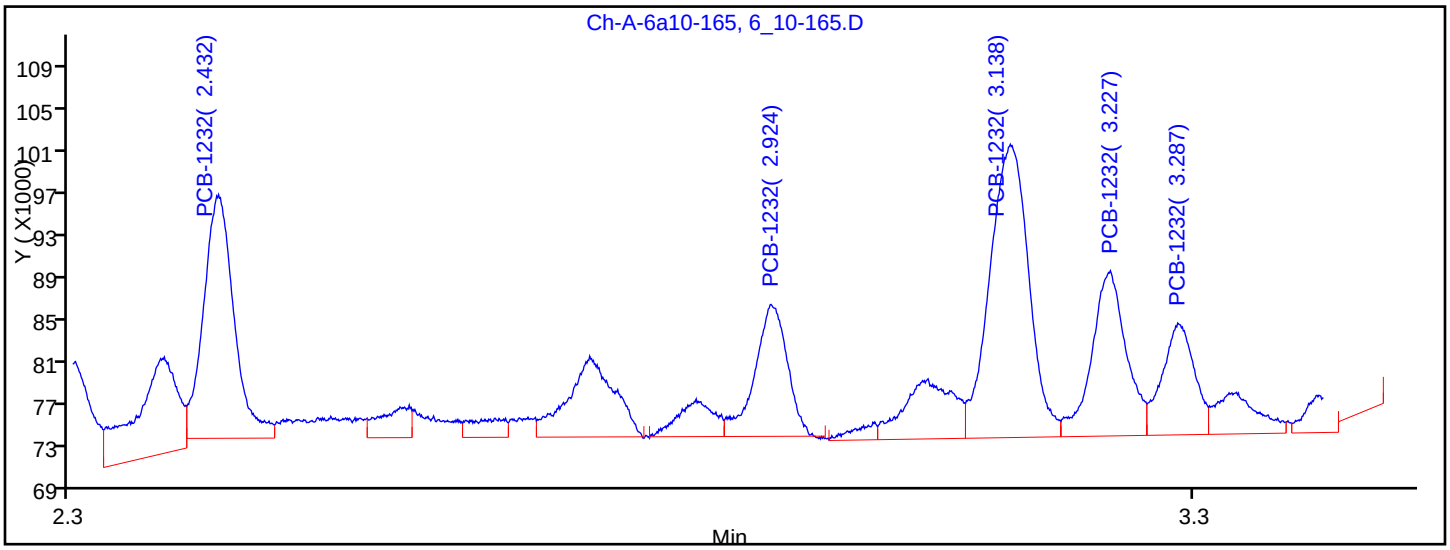
Column: Detector Ch-A-7A136

5 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.432	Response = 42095
2.924	Response = 21449
3.138	Response = 55712
3.227	Response = 23629
3.287	Response = 12393



Manual Integration Results

2.432	Response = 42368	M
2.924	Response = 24454	M
3.138	Response = 65423	M
3.227	Response = 32560	M
3.287	Response = 20522	M

Reviewer: sobolk, 16-Sep-2016 21:46:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 16-Sep-2016 21:56:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D

Injection Date: 16-Sep-2016 00:48:06 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

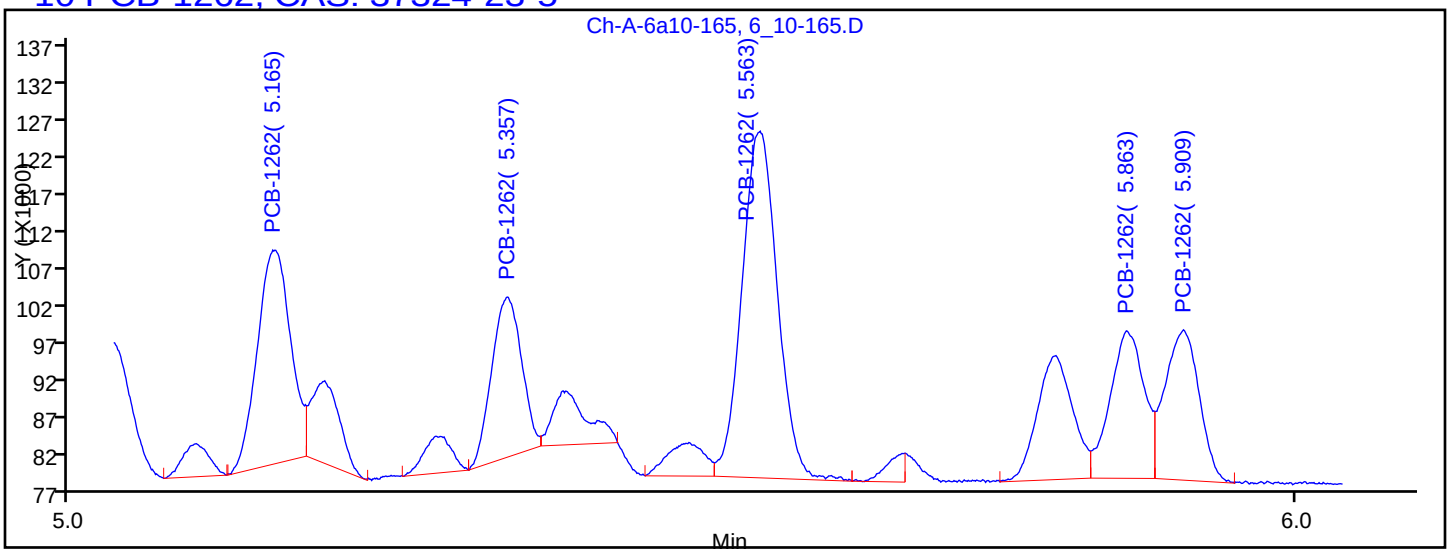
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

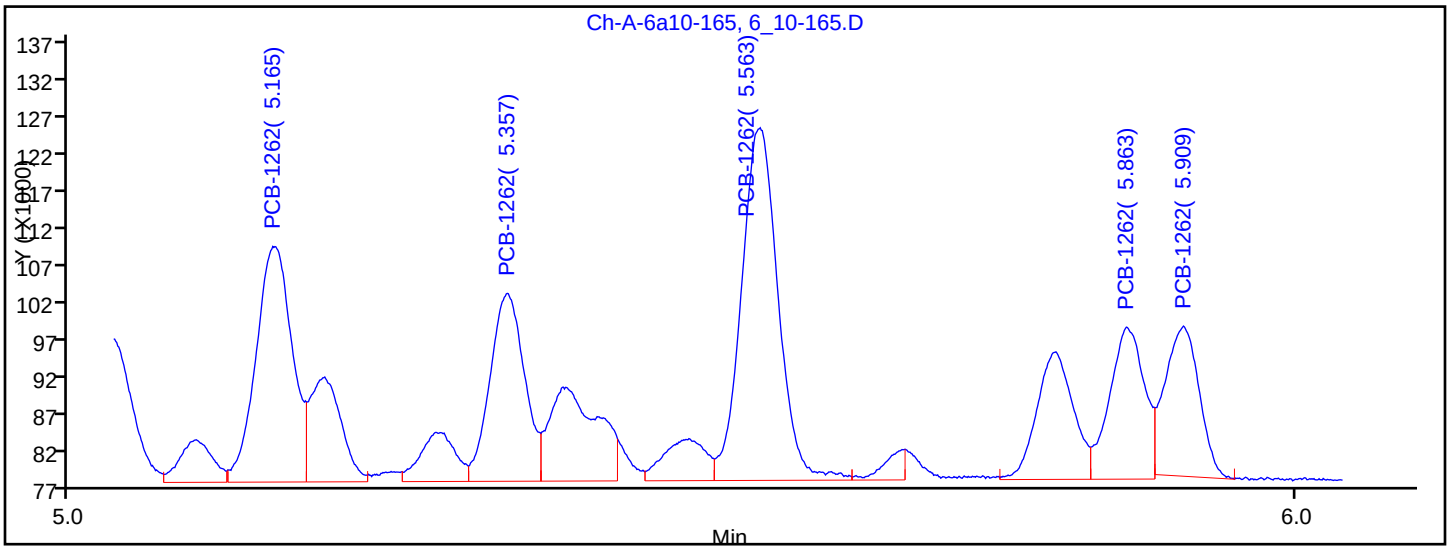
Column: Detector Ch-A-7A136

10 PCB-1262, CAS: 37324-23-5



Processing Integration Results

5.165	Response = 54620
5.357	Response = 36667
5.563	Response = 94058
5.863	Response = 38619
5.909	Response = 39185



Manual Integration Results

5.165	Response = 65146	M
5.357	Response = 49610	M
5.563	Response = 99086	M
5.863	Response = 40646	M
5.909	Response = 39185	

Reviewer: sobolk, 16-Sep-2016 21:52:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 00:16 Calibration End Date: 09/16/2016 00:48 Calibration ID: 28360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/21	6_10-165.D
Level 2	IC 480-320599/20	6_10-164.D
Level 3	IC 480-320599/19	6_10-163.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0270	0.0191	0.0166			Lin1	0.0002	0.0169							0.9970		0.9900
PCB-1232 Peak 2	0.0283	0.0188	0.0166			Lin1	0.0003	0.0168							0.9980		0.9900
PCB-1232 Peak 3	0.0431	0.0346	0.0336			Ave		0.0371				14.1		20.0			
PCB-1232 Peak 4	0.0212	0.0138	0.0127			Lin1	0.0002	0.0128							0.9990		0.9900
PCB-1232 Peak 5	0.0134	0.0091	0.0086			Lin1	0.0001	0.0086							1.0000		0.9900
PCB-1262 Peak 1	0.0604	0.0535	0.0545			Ave		0.0561				6.6		20.0			
PCB-1262 Peak 2	0.0486	0.0451	0.0456			Ave		0.0464				4.1		20.0			
PCB-1262 Peak 3	0.1046	0.1070	0.1128			Ave		0.1081				3.9		20.0			
PCB-1262 Peak 4	0.0460	0.0419	0.0434			Ave		0.0437				4.8		20.0			
PCB-1262 Peak 5	0.0641	0.0623	0.0644			Ave		0.0636				1.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 00:16 Calibration End Date: 09/16/2016 00:48 Calibration ID: 28360

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/21	6_10-165.D
Level 2	IC 480-320599/20	6_10-164.D
Level 3	IC 480-320599/19	6_10-163.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin1	55477	936445	3350176			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	58188	925931	3348360			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Ave	88644	1700546	6778691			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	43598	678654	2560597			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	27505	447510	1728647			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Ave	123989	2630686	10997476			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Ave	99929	2218720	9188298			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Ave	214862	5261776	22748118			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Ave	94450	2057983	8745013			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Ave	131611	3064777	12984349			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-163.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Sep-2016 00:16:05 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:56:35 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:30:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.168	1.163	0.005	28730383	0.5000	0.5000	
2	1.143	1.138	0.004	50428734	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	2.434	2.432	0.002	2103901	2.00	1.91	
1	2.927	2.924	0.003	1166442	2.00	1.93	
1	3.140	3.138	0.002	3846499	2.00	1.95	
1	3.226	3.227	-0.001	1449634	2.00	1.94	
1	3.289	3.287	0.002	1009761	2.00	1.95	
		Average of Peak Amounts =				1.94	
2	2.252	2.248	0.004	3350176	2.00	1.95	a
2	2.593	2.591	0.001	3348360	2.00	1.96	
2	2.918	2.917	0.001	6778691	2.00	1.81	
2	3.039	3.038	0.001	2560597	2.00	1.97	
2	3.137	3.134	0.003	1728647	2.00	1.98	
		Average of Peak Amounts =				1.94	
						RPD = 0.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.166	5.165	0.001	4519898	2.00	1.72	
1	5.357	5.357	0.000	3406688	2.00	1.98	
1	5.563	5.563	-0.001	8136762	2.00	1.88	
1	5.863	5.863	0.001	2815195	2.00	1.99	
1	5.907	5.909	-0.002	2897437	2.00	1.77	
		Average of Peak Amounts =				1.87	
2	4.868	4.866	0.002	10997476	2.00	1.94	
2	5.132	5.131	0.001	9188298	2.00	1.96	
2	5.269	5.268	0.001	22748118	2.00	2.09	
2	5.566	5.565	0.001	8745013	2.00	1.98	a
2	5.608	5.606	0.002	12984349	2.00	2.02	a
		Average of Peak Amounts =				2.00	
						RPD = 6.92	

Reagents:

32-62w/IS@2.0_00004 Amount Added: 0.25 Units: mL

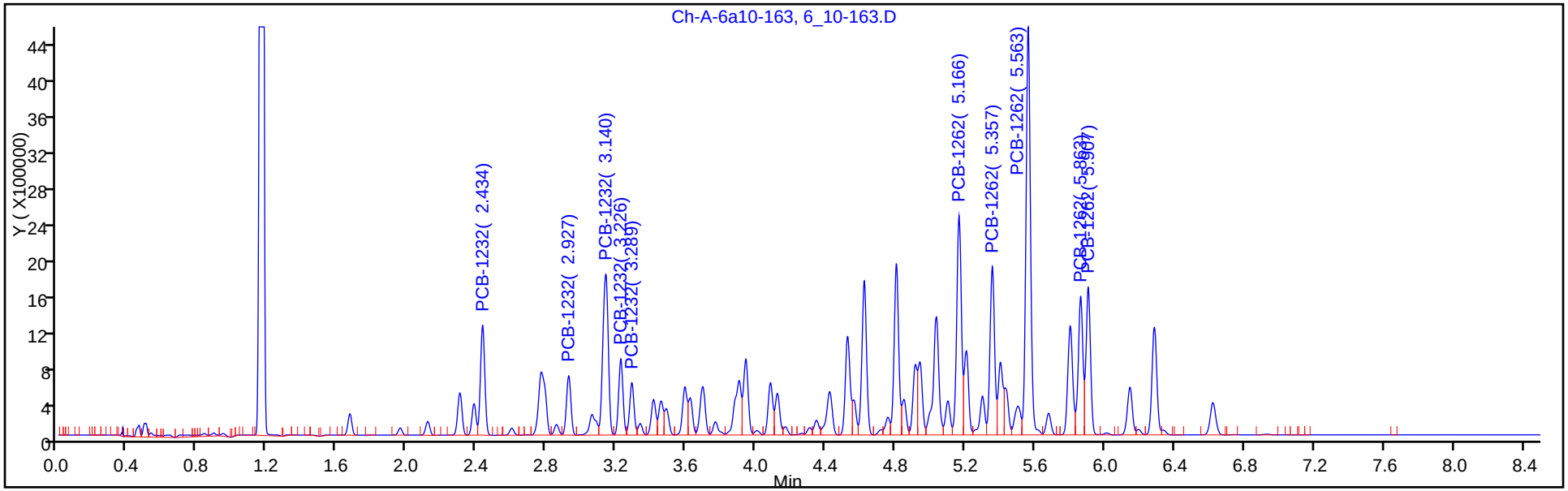
Report Date: 16-Sep-2016 21:56:36 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

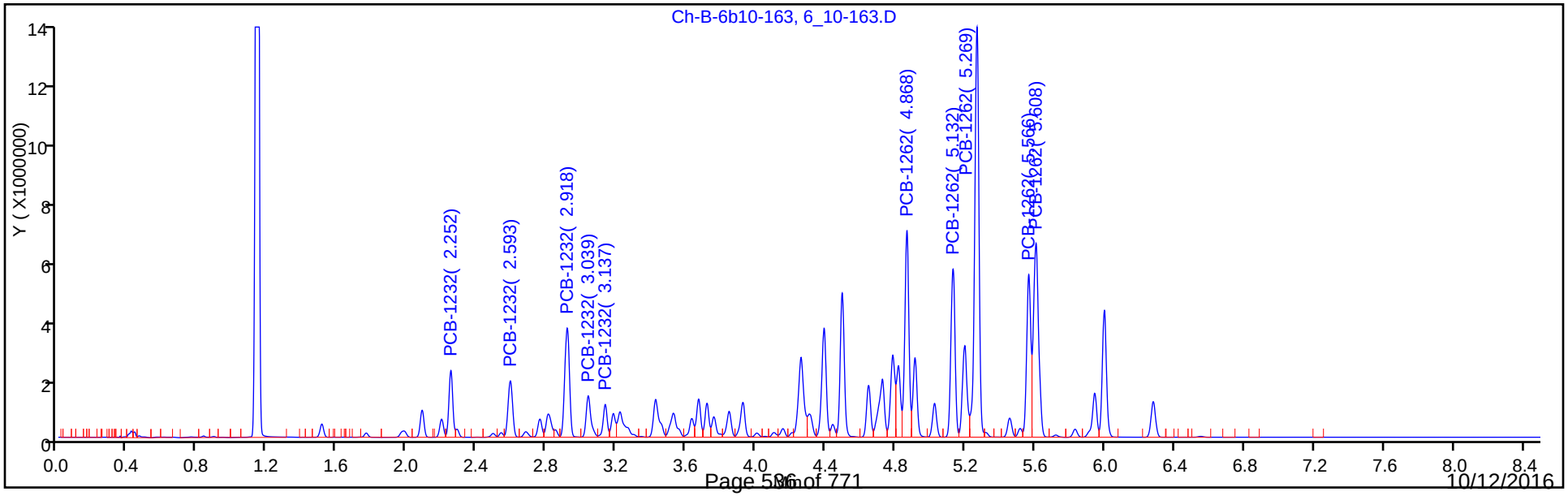
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-163.D

Injection Date:	16-Sep-2016 00:16:05	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-164.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Sep-2016 00:32:00 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:56:38 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:45:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.163	0.002	27834849	0.5000	0.5000	
2	1.140	1.138	0.002	49155191	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	2.433	2.432	0.000	653952	0.5000	0.5970	
1	2.926	2.924	0.002	345974	0.5000	0.5744	
1	3.138	3.138	0.000	1073513	0.5000	0.5514	
1	3.226	3.227	-0.001	415429	0.5000	0.5572	
1	3.288	3.287	0.001	284899	0.5000	0.5525	
		Average of Peak Amounts =				0.5665	
2	2.250	2.248	0.002	936445	0.5000	0.5500	
2	2.592	2.591	0.001	925931	0.5000	0.5444	
2	2.918	2.917	0.001	1700546	0.5000	0.4660	
2	3.038	3.038	0.000	678654	0.5000	0.5266	
2	3.136	3.134	0.002	447510	0.5000	0.5180	
		Average of Peak Amounts =				0.5210	
						RPD = 8.37	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.166	5.165	0.001	1167440	0.5000	0.4578	
1	5.355	5.357	-0.002	880479	0.5000	0.5212	
1	5.563	5.563	0.000	1952787	0.5000	0.4649	
1	5.863	5.863	0.001	717130	0.5000	0.5153	
1	5.908	5.909	-0.001	738065	0.5000	0.4652	
		Average of Peak Amounts =				0.4849	
2	4.866	4.866	0.000	2630686	0.5000	0.4767	
2	5.130	5.131	-0.001	2218720	0.5000	0.4859	
2	5.268	5.268	0.000	5261776	0.5000	0.4950	
2	5.567	5.565	0.002	2057983	0.5000	0.4787	a
2	5.607	5.606	0.001	3064777	0.5000	0.4902	a
		Average of Peak Amounts =				0.4853	
						RPD = 0.08	

Reagents:

32-62w/IS@0.5_00007 Amount Added: 0.25 Units: mL

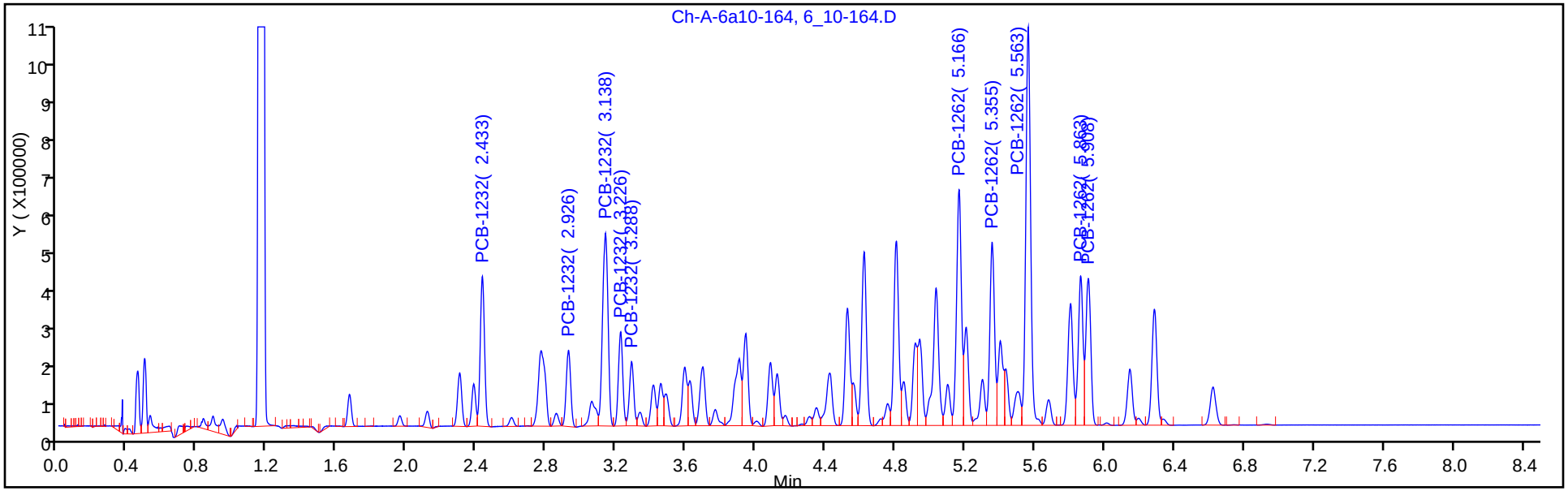
Report Date: 16-Sep-2016 21:56:39 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

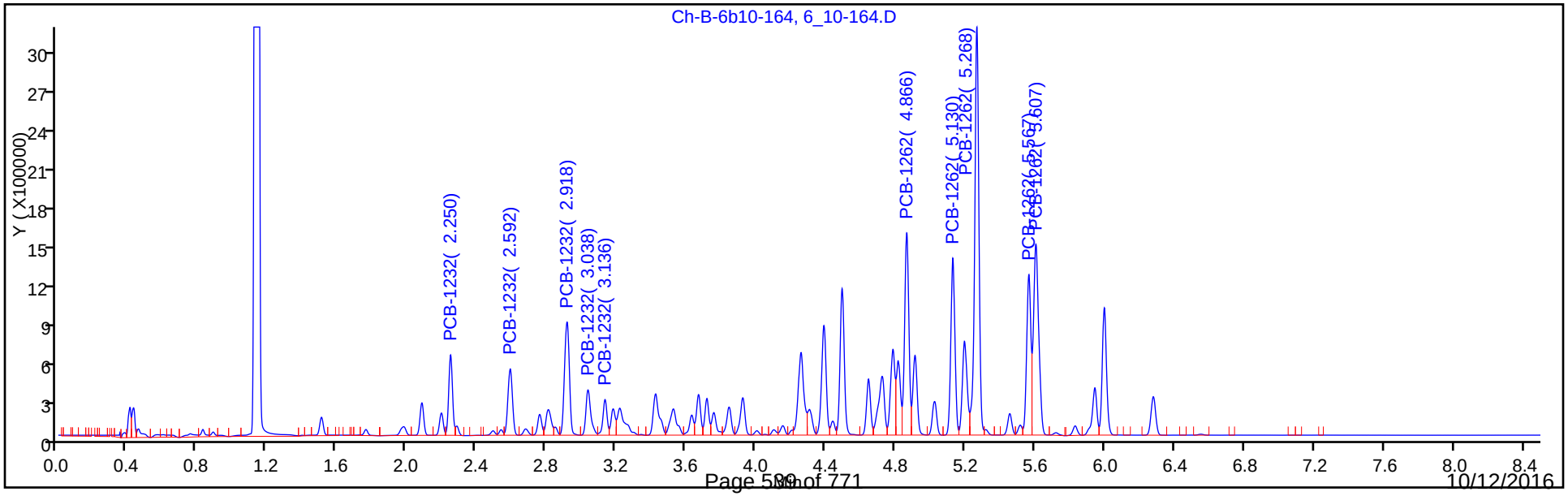
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-164.D

Injection Date:	16-Sep-2016 00:32:00	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Sep-2016 00:48:06 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 21:56:40 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:46:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.163	1.163	0.000	29011446	0.5000	0.5000	
2	1.138	1.138	0.000	51360112	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							M
1	2.432	2.432	0.000	42368	0.0200	0.0171	M
1	2.924	2.924	0.000	24454	0.0200	0.0177	M
1	3.138	3.138	0.000	65423	0.0200	0.0184	M
1	3.227	3.227	0.000	32560	0.0200	0.0183	M
1	3.287	3.287	0.000	20522	0.0200	0.0184	M
		Average of Peak Amounts =				0.0180	
2	2.248	2.248	0.000	55477	0.0200	0.0185	M
2	2.591	2.591	0.000	58188	0.0200	0.0187	
2	2.917	2.917	0.000	88644	0.0200	0.0233	M
2	3.038	3.038	0.000	43598	0.0200	0.0192	
2	3.134	3.134	0.000	27505	0.0200	0.0195	
		Average of Peak Amounts =				0.0198	
						RPD = 9.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							M
1	5.165	5.165	0.000	65146	0.0200	0.0245	M
1	5.357	5.357	0.000	49610	0.0200	0.0194	M
1	5.563	5.563	0.000	99086	0.0200	0.0226	M
1	5.863	5.863	0.000	40646	0.0200	0.0195	M
1	5.909	5.909	0.000	39185	0.0200	0.0237	
		Average of Peak Amounts =				0.0219	
2	4.866	4.866	0.000	123989	0.0200	0.0215	
2	5.131	5.131	0.000	99929	0.0200	0.0209	
2	5.268	5.268	0.000	214862	0.0200	0.0193	M
2	5.565	5.565	0.000	94450	0.0200	0.0210	a
2	5.606	5.606	0.000	131611	0.0200	0.0201	a
		Average of Peak Amounts =				0.0206	
						RPD = 6.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00004 Amount Added: 0.25 Units: mL

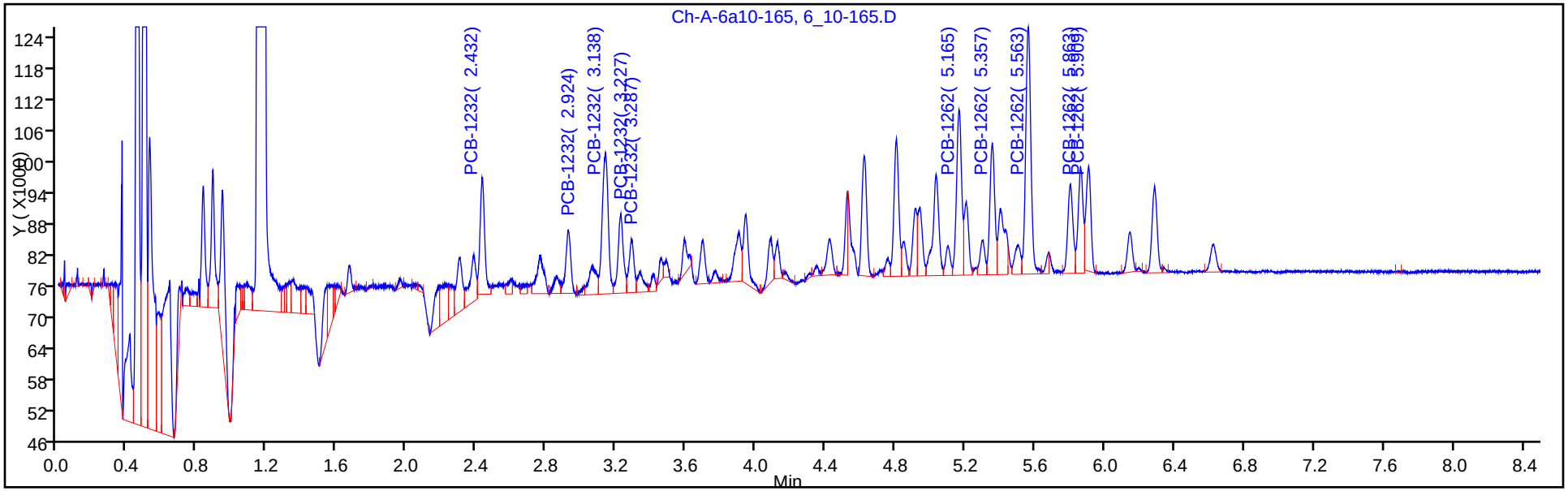
Report Date: 16-Sep-2016 21:56:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

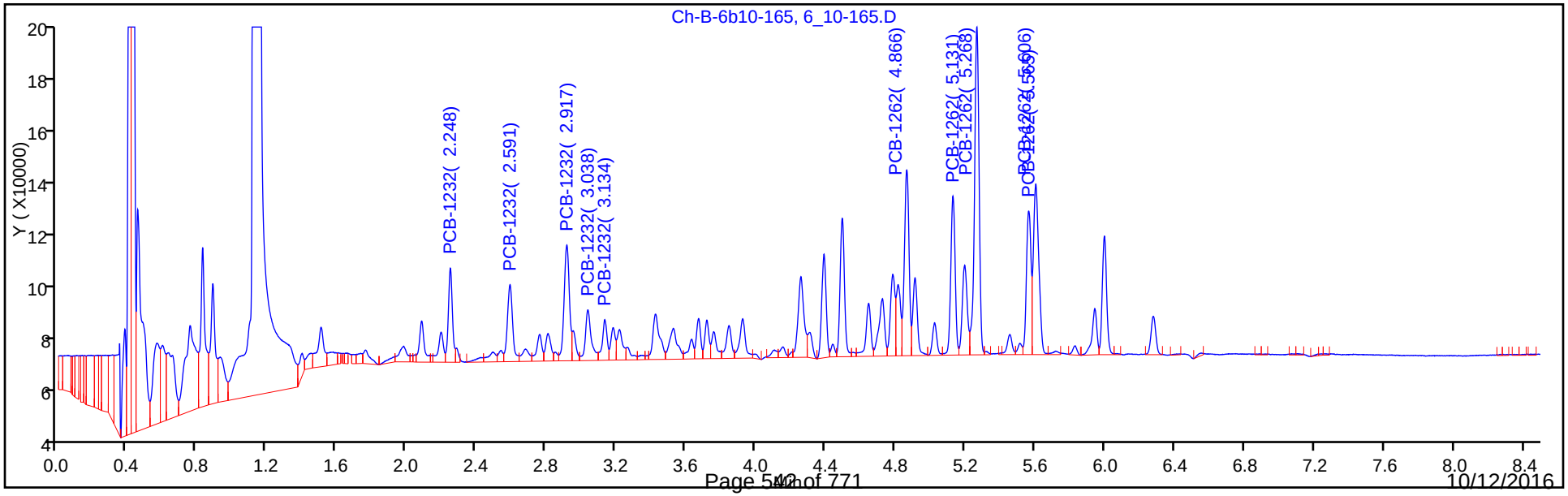
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D

Injection Date:	16-Sep-2016 00:48:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 21:56:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D

Injection Date: 16-Sep-2016 00:48:06 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

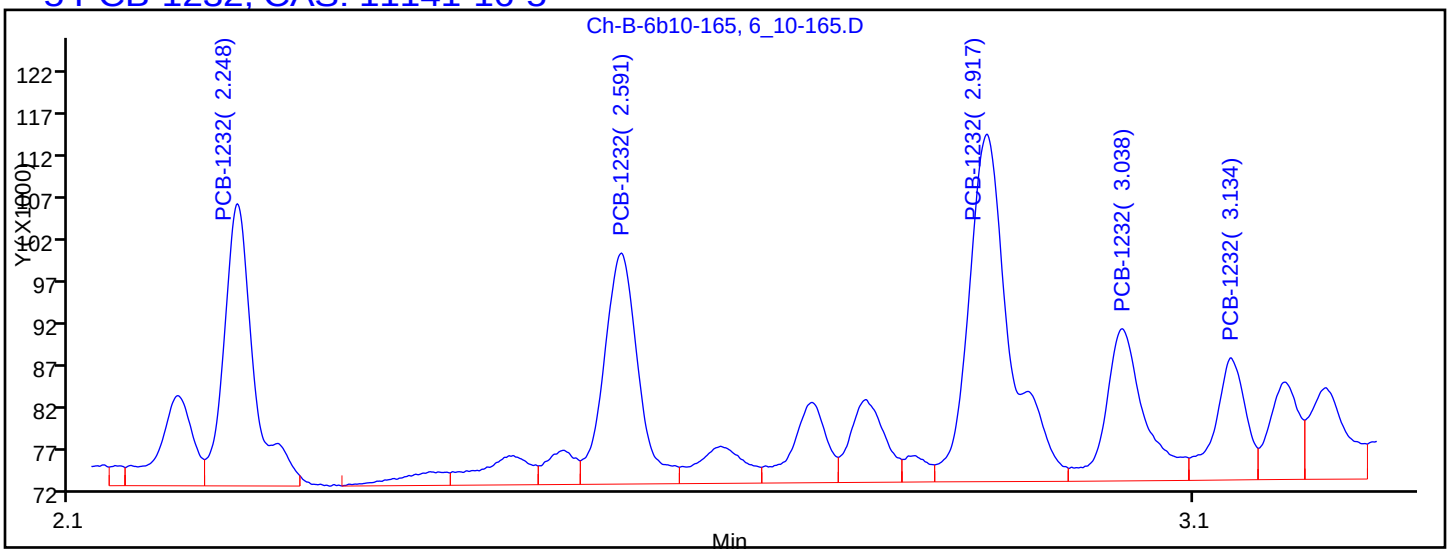
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

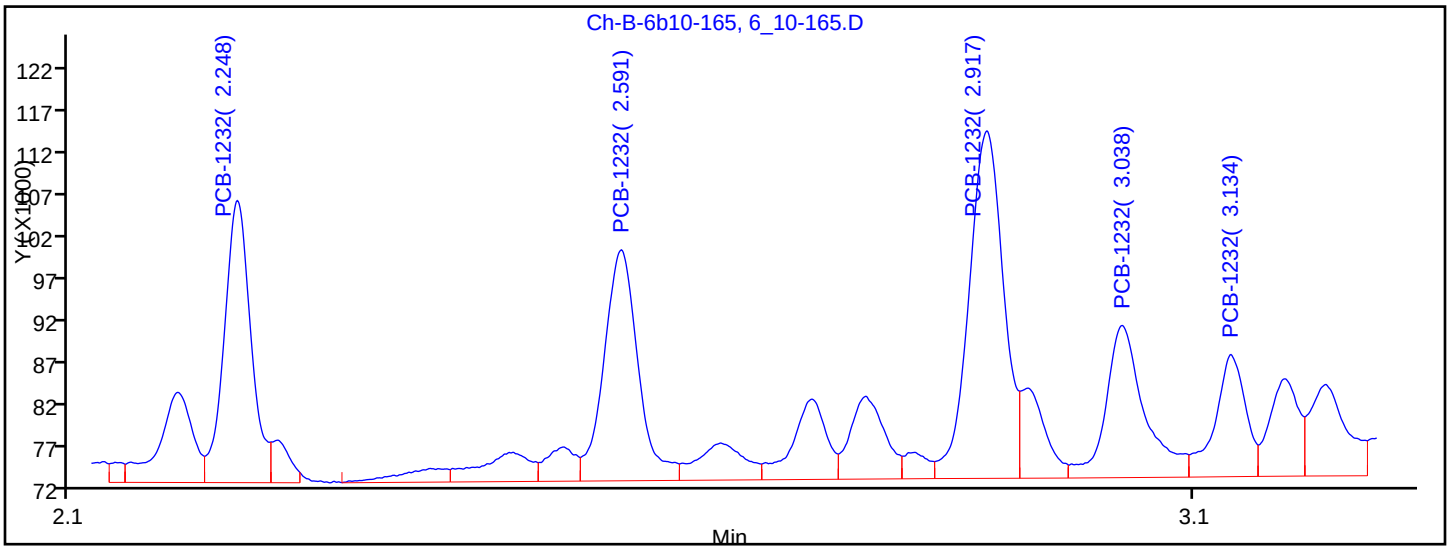
Column: Detector Ch-B-7b136

5 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.248	Response = 61064
2.591	Response = 58188
2.917	Response = 105010
3.038	Response = 43598
3.134	Response = 27505



Manual Integration Results

2.248	Response = 55477	M
2.591	Response = 58188	
2.917	Response = 88644	M
3.038	Response = 43598	
3.134	Response = 27505	

Reviewer: sobolk, 16-Sep-2016 21:46:56

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 16-Sep-2016 21:56:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-165.D

Injection Date: 16-Sep-2016 00:48:06 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

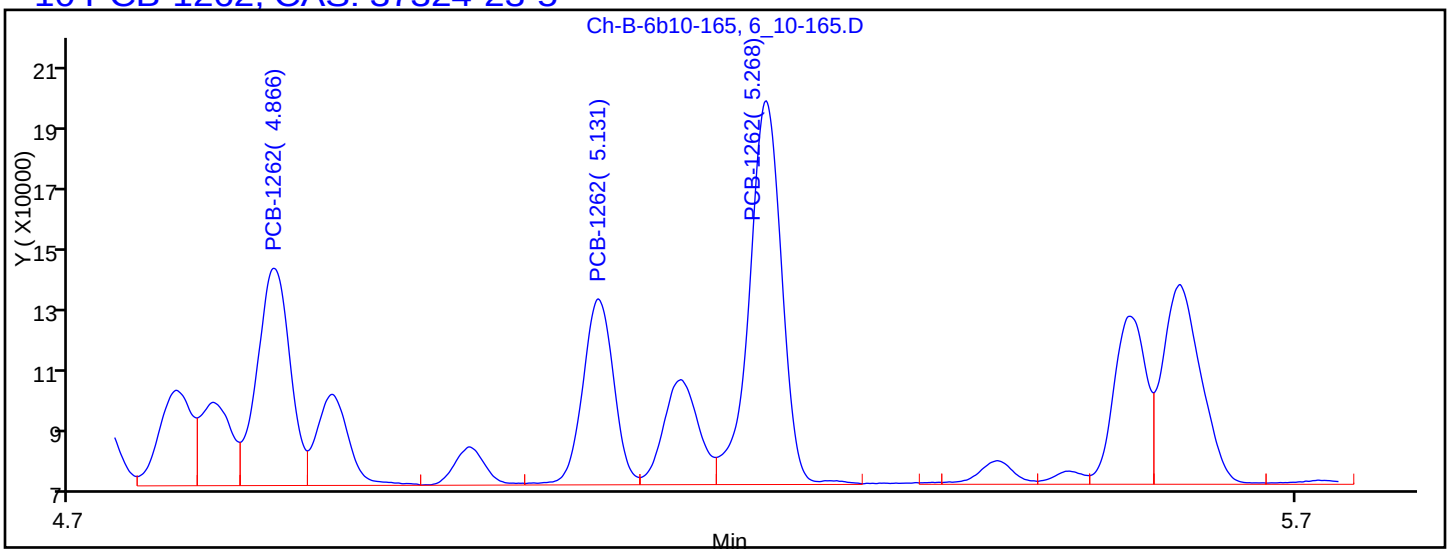
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

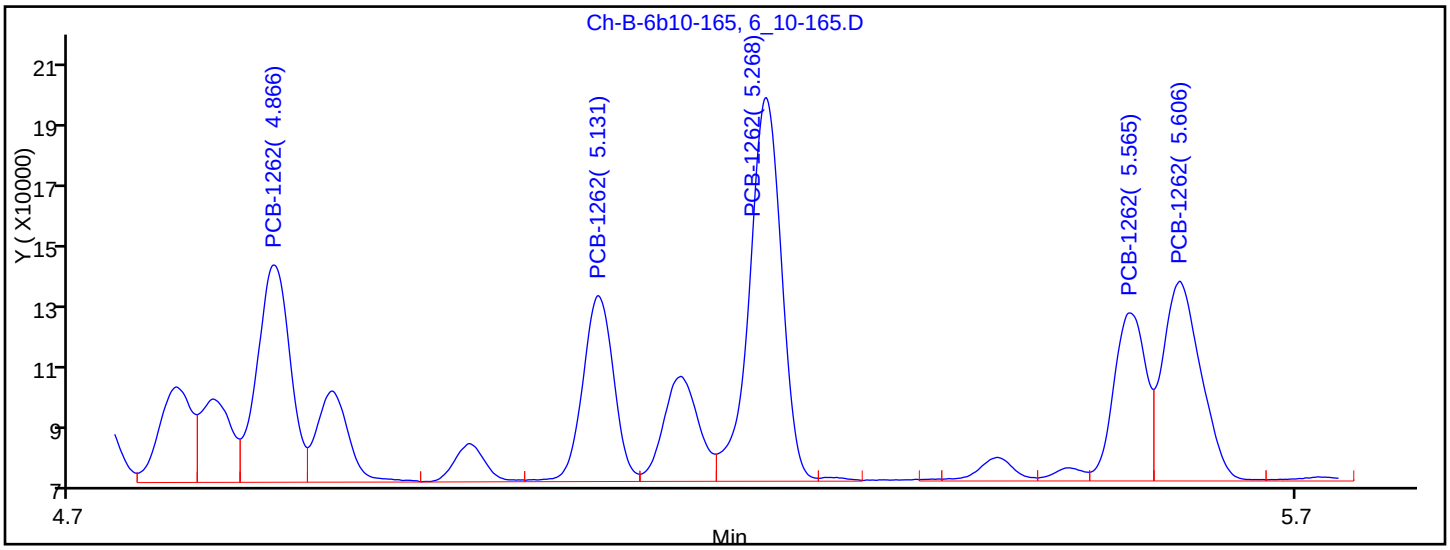
Column: Detector Ch-B-7b136

10 PCB-1262, CAS: 37324-23-5



Processing Integration Results

4.866	Response = 123989
5.131	Response = 99929
5.268	Response = 216626
5.606	Response = 131611
0.012	Response = 16825



Manual Integration Results

4.866	Response = 123989	
5.131	Response = 99929	
5.268	Response = 214862	M
5.565	Response = 94450	M
5.606	Response = 131611	M

Reviewer: sobolk, 16-Sep-2016 21:46:31

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 01:20 Calibration End Date: 09/16/2016 01:52 Calibration ID: 28365

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/25	6_10-169.D
Level 2	IC 480-320599/24	6_10-168.D
Level 3	IC 480-320599/23	6_10-167.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0877	0.0673	0.0606			Ave		0.0719				19.6		20.0			
PCB-1242 Peak 2	0.0372	0.0259	0.0221			Lin1	0.0003	0.0226							0.9960		0.9900
PCB-1242 Peak 3	0.0299	0.0224	0.0193			Lin1	0.0002	0.0197							0.9970		0.9900
PCB-1242 Peak 4	0.0309	0.0227	0.0199			Lin1	0.0002	0.0202							0.9970		0.9900
PCB-1242 Peak 5	0.0281	0.0210	0.0184			Lin1	0.0002	0.0187							0.9970		0.9900
PCB-1268 Peak 1	0.0934	0.0770	0.0807			Ave		0.0837				10.3		20.0			
PCB-1268 Peak 2	0.0795	0.0660	0.0695			Ave		0.0717				9.8		20.0			
PCB-1268 Peak 3	0.0700	0.0568	0.0587			Ave		0.0619				11.5		20.0			
PCB-1268 Peak 4	0.0321	0.0242	0.0229			Ave		0.0264				18.8		20.0			
PCB-1268 Peak 5	0.1981	0.1878	0.2063			Ave		0.1974				4.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 01:20 Calibration End Date: 09/16/2016 01:52 Calibration ID: 28365

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/25	6_10-169.D
Level 2	IC 480-320599/24	6_10-168.D
Level 3	IC 480-320599/23	6_10-167.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Ave	97297	1822154	6752329			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	41260	700640	2461234			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin1	33158	605628	2149777			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	34249	614497	2214800			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin1	31183	567652	2045060			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Ave	103672	2084031	8987595			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Ave	88296	1787242	7741218			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Ave	77745	1538038	6545181			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Ave	35615	653979	2553610			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Ave	219854	5083270	22991125			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-167.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Sep-2016 01:20:05 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 23:33:41 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:56:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.166	-0.002	27855577	0.5000	0.5000	
2	1.139	1.141	-0.002	49155908	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.138	3.138	0.000	6752329	2.00	1.69	
1	3.223	3.226	-0.003	2461234	2.00	1.94	
1	3.696	3.696	0.000	2149777	2.00	1.95	
1	3.940	3.938	0.002	2214800	2.00	1.95	
1	4.084	4.087	-0.003	2045060	2.00	1.95	a
		Average of Peak Amounts =				1.90	
2	2.918	2.918	0.000	11890679	2.00	1.84	
2	3.037	3.038	-0.001	4426706	2.00	1.80	
2	3.424	3.426	-0.002	5439080	2.00	1.81	
2	3.672	3.673	0.000	4014950	2.00	1.90	
2	3.926	3.926	0.000	4218117	2.00	1.85	
		Average of Peak Amounts =				1.84	
						RPD = 2.90	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.863	5.865	-0.002	8987595	2.00	1.93	
1	5.905	5.907	-0.002	7741218	2.00	1.94	
1	6.133	6.134	-0.001	6545181	2.00	1.90	
1	6.286	6.288	-0.002	2553610	2.00	1.74	
1	6.623	6.623	0.000	22991125	2.00	2.09	
		Average of Peak Amounts =				1.92	
2	5.566	5.566	0.000	23244303	2.00	2.06	a
2	5.605	5.605	0.000	21426923	2.00	2.07	a
2	5.831	5.832	-0.001	18430449	2.00	2.05	
2	5.998	6.000	-0.002	7224344	2.00	1.96	
2	6.281	6.281	0.000	63201683	2.00	2.17	
		Average of Peak Amounts =				2.06	
						RPD = 7.11	

Reagents:

42-68w/IS@2.0_00004 Amount Added: 0.25 Units: mL

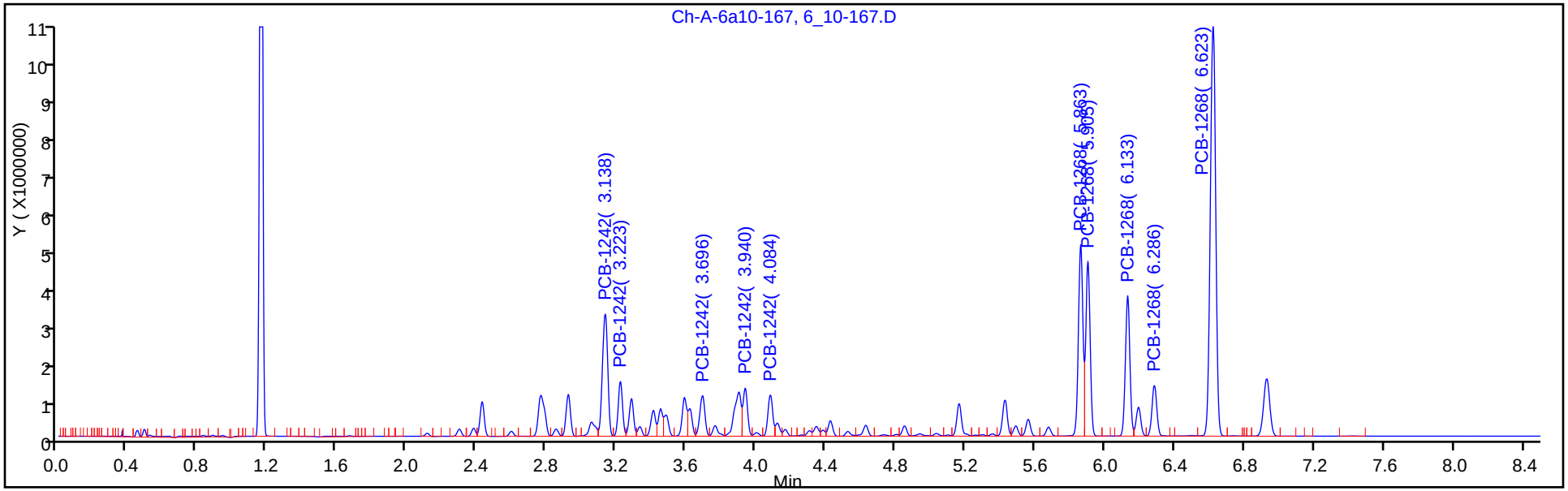
Report Date: 16-Sep-2016 23:33:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

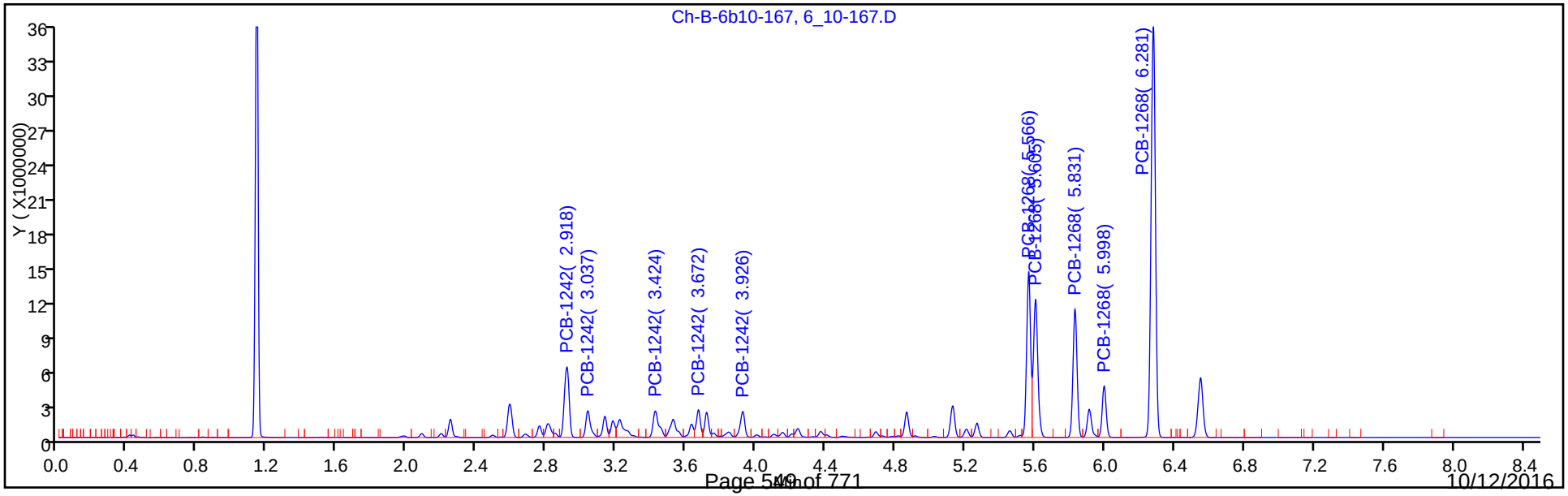
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-167.D

Injection Date:	16-Sep-2016 01:20:05	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-168.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Sep-2016 01:36:01 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 23:33:45 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 23:26:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.164	1.166	-0.002	27063033	0.5000	0.5000	M
2	1.138	1.141	-0.003	47593365	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.136	3.138	-0.002	1822154	0.5000	0.4685	
1	3.224	3.226	-0.002	700640	0.5000	0.5589	
1	3.695	3.696	-0.001	605628	0.5000	0.5557	
1	3.939	3.938	0.001	614497	0.5000	0.5490	
1	4.084	4.087	-0.003	567652	0.5000	0.5494	
		Average of Peak Amounts =				0.5363	
2	2.918	2.918	0.000	3022393	0.5000	0.4838	
2	3.037	3.038	-0.001	1160861	0.5000	0.4877	
2	3.424	3.426	-0.002	1413866	0.5000	0.4862	
2	3.673	3.673	0.000	1033050	0.5000	0.5062	
2	3.925	3.926	-0.001	1062946	0.5000	0.4816	
		Average of Peak Amounts =				0.4891	
						RPD = 9.21	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.863	5.865	-0.002	2084031	0.5000	0.4601	
1	5.907	5.907	0.000	1787242	0.5000	0.4606	
1	6.133	6.134	-0.002	1538038	0.5000	0.4593	
1	6.287	6.288	-0.001	653979	0.5000	0.4578	
1	6.624	6.623	0.002	5083270	0.5000	0.4757	
		Average of Peak Amounts =				0.4627	
2	5.566	5.566	0.000	5453550	0.5000	0.4990	
2	5.604	5.605	-0.001	4923197	0.5000	0.4905	
2	5.831	5.832	-0.001	4304180	0.5000	0.4940	
2	5.998	6.000	-0.002	1713591	0.5000	0.4792	
2	6.282	6.281	0.001	14077588	0.5000	0.4991	
		Average of Peak Amounts =				0.4923	
						RPD = 6.21	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00007 Amount Added: 0.25 Units: mL

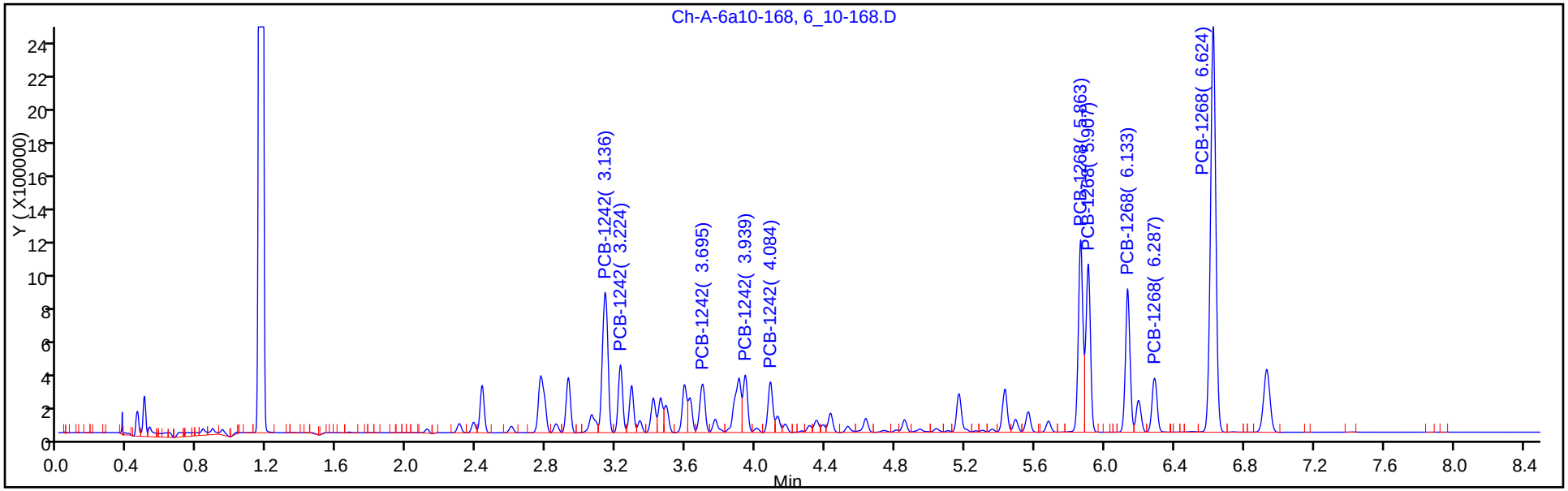
Report Date: 16-Sep-2016 23:33:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

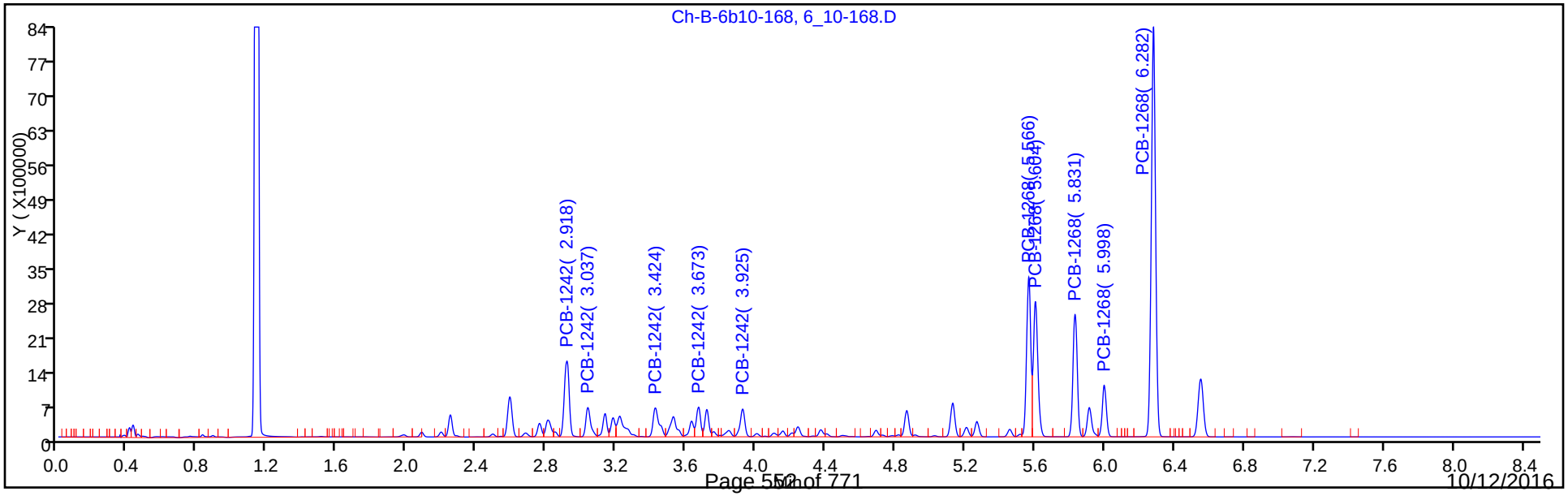
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-168.D

Injection Date:	16-Sep-2016 01:36:01	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

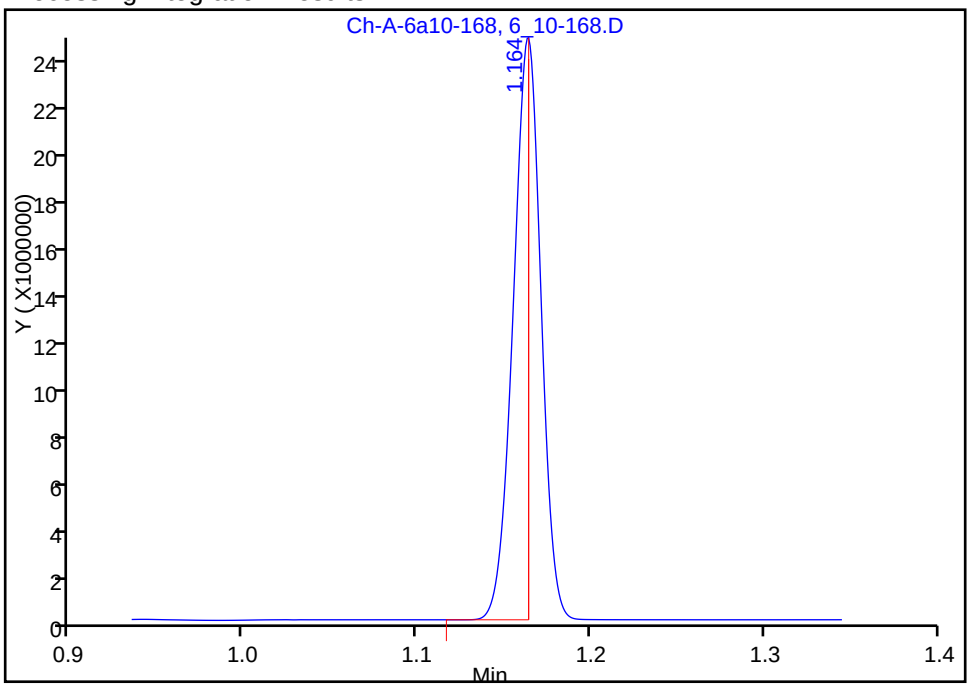
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-168.D
Injection Date: 16-Sep-2016 01:36:01 Instrument ID: HP6890-6
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

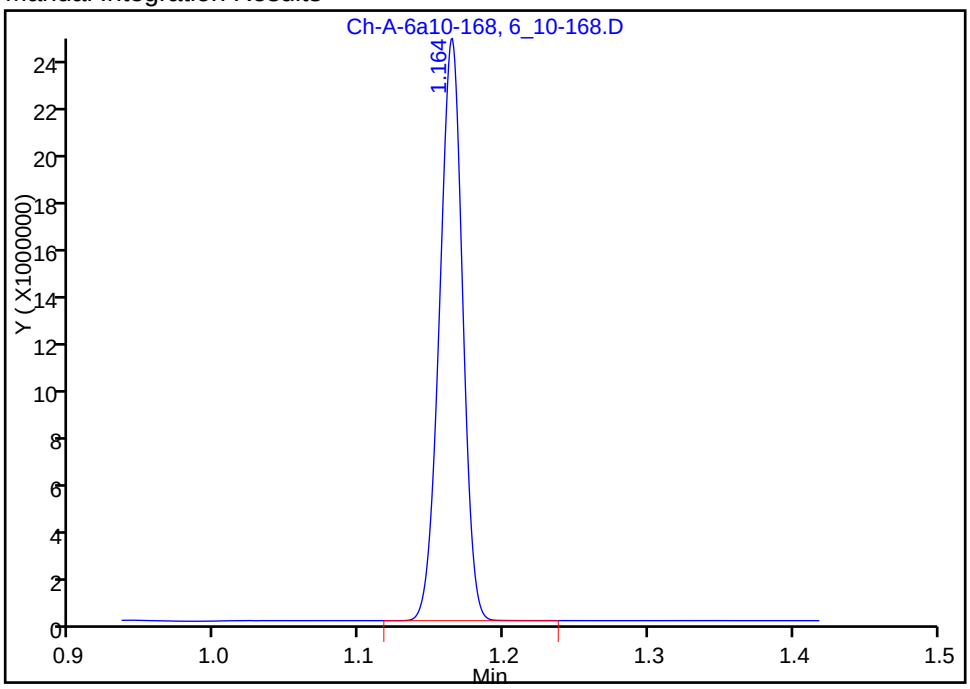
Processing Integration Results

RT: 1.16
Area: 14731816
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.16
Area: 27063033
Amount: 0.500000
Amount Units: ng/uL



Reviewer: sobolk, 16-Sep-2016 23:26:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-169.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Sep-2016 01:52:29 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 23:33:47 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 23:27:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.166	1.166	0.000	27749065	0.5000	0.5000	
2	1.141	1.141	0.000	49428331	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							M
1	3.138	3.138	0.000	97297	0.0200	0.0244	M
1	3.226	3.226	0.000	41260	0.0200	0.0182	M
1	3.696	3.696	0.000	33158	0.0200	0.0183	M
1	3.938	3.938	0.000	34249	0.0200	0.0185	M
1	4.087	4.087	0.000	31183	0.0200	0.0185	M
		Average of Peak Amounts =				0.0196	
2	2.918	2.918	0.000	144186	0.0200	0.0222	
2	3.038	3.038	0.000	55598	0.0200	0.0225	M
2	3.426	3.426	0.000	67790	0.0200	0.0224	M
2	3.673	3.673	0.000	43891	0.0200	0.0207	M
2	3.926	3.926	0.000	50956	0.0200	0.0222	M
		Average of Peak Amounts =				0.0220	
						RPD = 11.69	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.865	5.865	0.000	103672	0.0200	0.0223	
1	5.907	5.907	0.000	88296	0.0200	0.0222	
1	6.134	6.134	0.000	77745	0.0200	0.0226	
1	6.288	6.288	0.000	35615	0.0200	0.0243	
1	6.623	6.623	0.000	219854	0.0200	0.0201	
		Average of Peak Amounts =				0.0223	
2	5.566	5.566	0.000	220760	0.0200	0.0194	
2	5.605	5.605	0.000	205467	0.0200	0.0197	
2	5.832	5.832	0.000	178767	0.0200	0.0198	
2	6.000	6.000	0.000	79017	0.0200	0.0213	
2	6.281	6.281	0.000	537366	0.0200	0.0183	
		Average of Peak Amounts =				0.0197	
						RPD = 12.38	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00004 Amount Added: 0.25 Units: mL

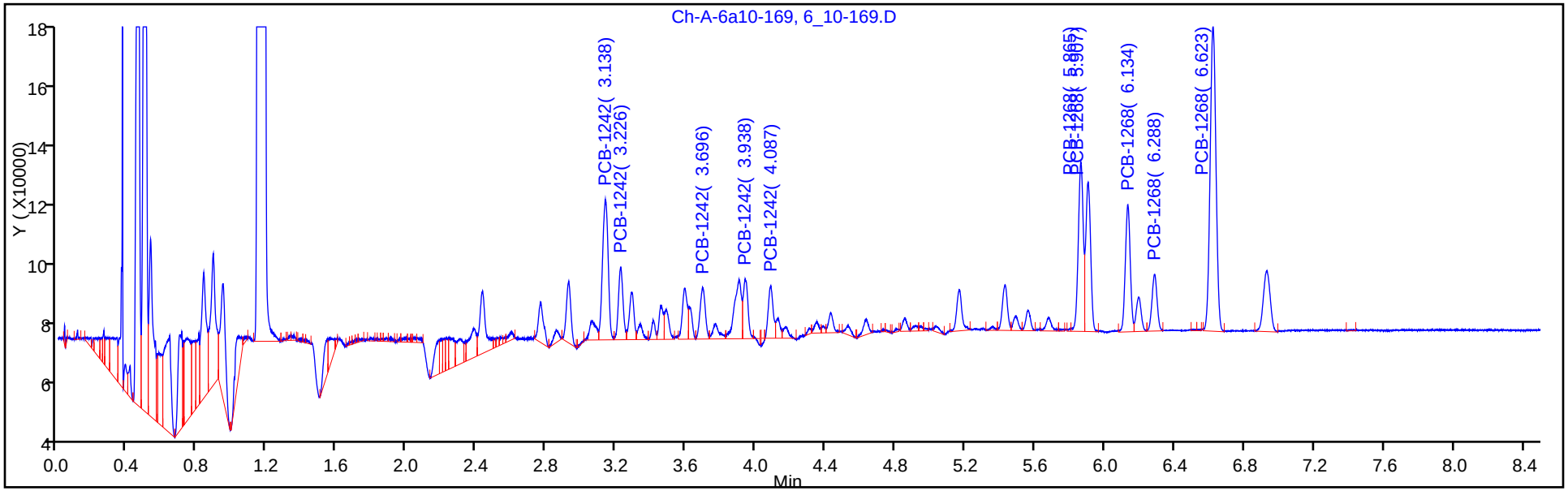
Report Date: 16-Sep-2016 23:33:48 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

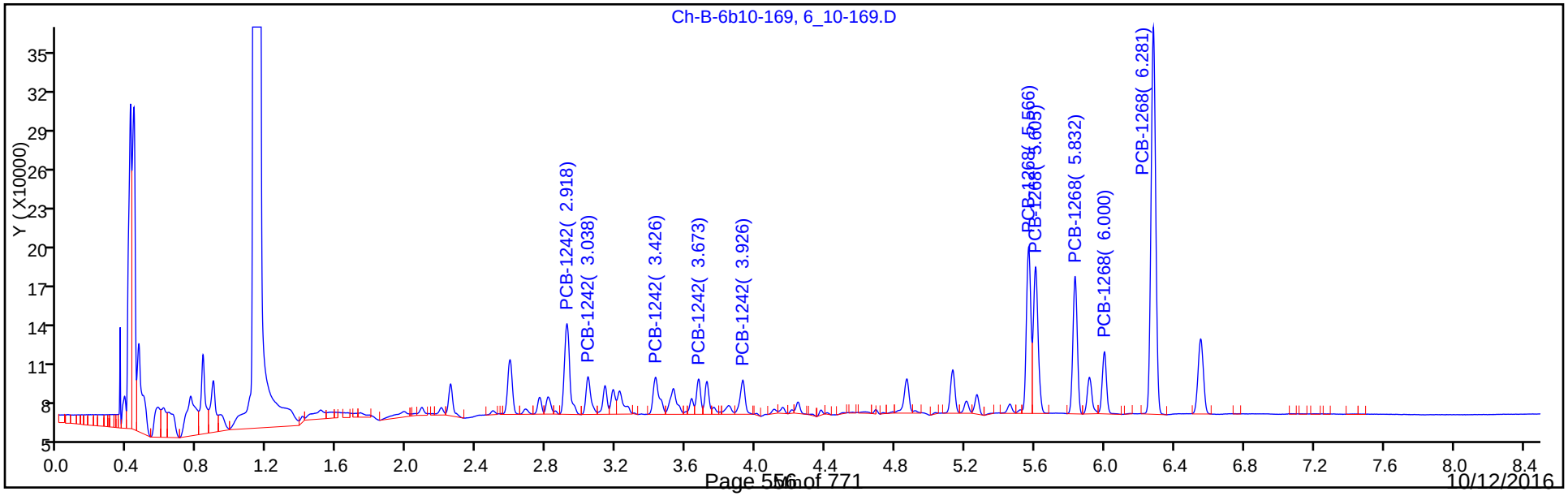
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-169.D

Injection Date:	16-Sep-2016 01:52:29	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 23:33:48 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-169.D

Injection Date: 16-Sep-2016 01:52:29 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

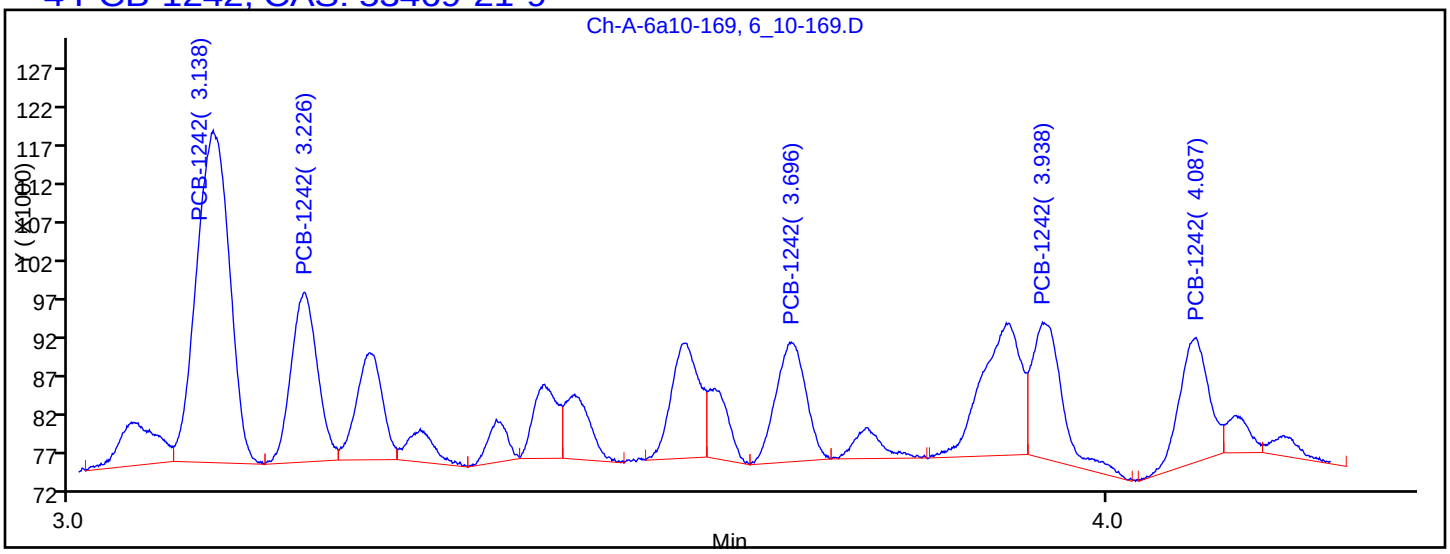
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

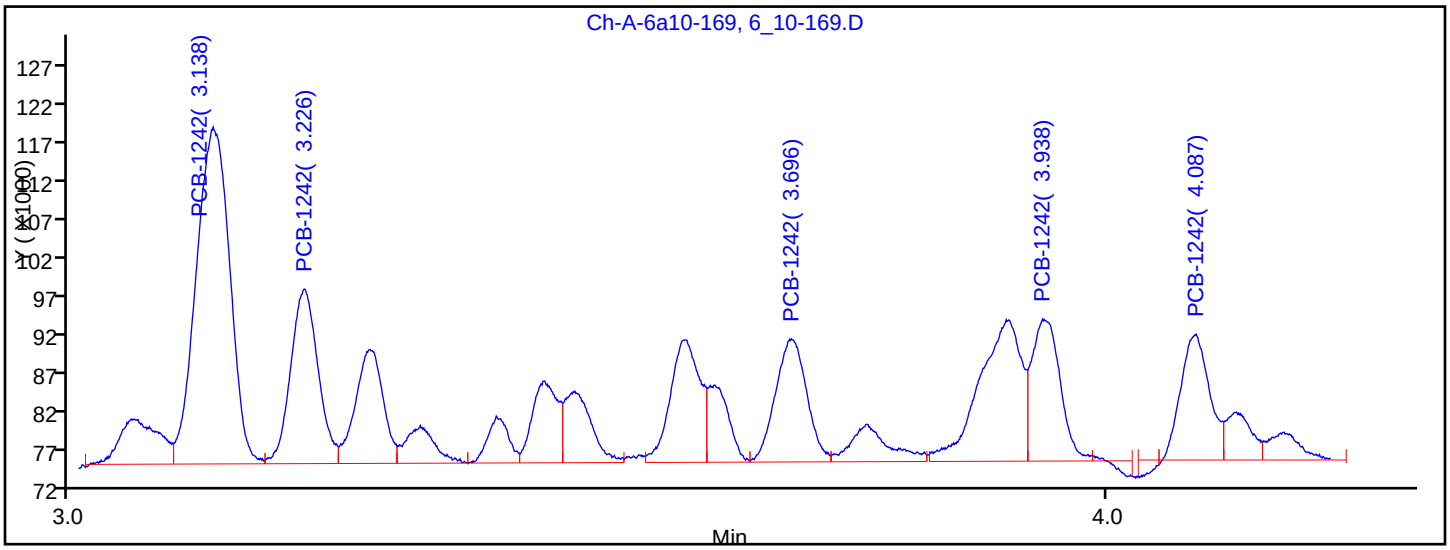
Column: Detector Ch-A-7A136

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.138	Response = 94331
3.226	Response = 38674
3.696	Response = 31106
3.938	Response = 35625
4.087	Response = 31715



Manual Integration Results

3.138	Response = 97297	M
3.226	Response = 41260	M
3.696	Response = 33158	M
3.938	Response = 34249	M
4.087	Response = 31183	M

Reviewer: sobolk, 16-Sep-2016 23:27:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 01:20 Calibration End Date: 09/16/2016 01:52 Calibration ID: 28366

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/25	6_10-169.D
Level 2	IC 480-320599/24	6_10-168.D
Level 3	IC 480-320599/23	6_10-167.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0729	0.0635	0.0605			Ave		0.0656				9.9		20.0			
PCB-1242 Peak 2	0.0281	0.0244	0.0225			Ave		0.0250				11.4		20.0			
PCB-1242 Peak 3	0.0343	0.0297	0.0277			Ave		0.0306				11.1		20.0			
PCB-1242 Peak 4	0.0222	0.0217	0.0204			Ave		0.0214				4.3		20.0			
PCB-1242 Peak 5	0.0258	0.0223	0.0215			Ave		0.0232				9.8		20.0			
PCB-1268 Peak 1	0.1117	0.1146	0.1182			Ave		0.1148				2.9		20.0			
PCB-1268 Peak 2	0.1039	0.1034	0.1090			Ave		0.1054				2.9		20.0			
PCB-1268 Peak 3	0.0904	0.0904	0.0937			Ave		0.0915				2.1		20.0			
PCB-1268 Peak 4	0.0400	0.0360	0.0367			Ave		0.0376				5.6		20.0			
PCB-1268 Peak 5	0.2718	0.2958	0.3214			Ave		0.2963				8.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 01:20 Calibration End Date: 09/16/2016 01:52 Calibration ID: 28366

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/25	6_10-169.D
Level 2	IC 480-320599/24	6_10-168.D
Level 3	IC 480-320599/23	6_10-167.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Ave	144186	3022393	11890679			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Ave	55598	1160861	4426706			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Ave	67790	1413866	5439080			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Ave	43891	1033050	4014950			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Ave	50956	1062946	4218117			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Ave	220760	5453550	23244303			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Ave	205467	4923197	21426923			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Ave	178767	4304180	18430449			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Ave	79017	1713591	7224344			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Ave	537366	14077588	63201683			0.0200	0.500	2.00		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-167.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Sep-2016 01:20:05 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 23:33:41 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 21:56:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.166	-0.002	27855577	0.5000	0.5000	
2	1.139	1.141	-0.002	49155908	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.138	3.138	0.000	6752329	2.00	1.69	
1	3.223	3.226	-0.003	2461234	2.00	1.94	
1	3.696	3.696	0.000	2149777	2.00	1.95	
1	3.940	3.938	0.002	2214800	2.00	1.95	
1	4.084	4.087	-0.003	2045060	2.00	1.95	a
		Average of Peak Amounts =				1.90	
2	2.918	2.918	0.000	11890679	2.00	1.84	
2	3.037	3.038	-0.001	4426706	2.00	1.80	
2	3.424	3.426	-0.002	5439080	2.00	1.81	
2	3.672	3.673	0.000	4014950	2.00	1.90	
2	3.926	3.926	0.000	4218117	2.00	1.85	
		Average of Peak Amounts =				1.84	
						RPD = 2.90	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.863	5.865	-0.002	8987595	2.00	1.93	
1	5.905	5.907	-0.002	7741218	2.00	1.94	
1	6.133	6.134	-0.001	6545181	2.00	1.90	
1	6.286	6.288	-0.002	2553610	2.00	1.74	
1	6.623	6.623	0.000	22991125	2.00	2.09	
		Average of Peak Amounts =				1.92	
2	5.566	5.566	0.000	23244303	2.00	2.06	a
2	5.605	5.605	0.000	21426923	2.00	2.07	a
2	5.831	5.832	-0.001	18430449	2.00	2.05	
2	5.998	6.000	-0.002	7224344	2.00	1.96	
2	6.281	6.281	0.000	63201683	2.00	2.17	
		Average of Peak Amounts =				2.06	
						RPD = 7.11	

Reagents:

42-68w/IS@2.0_00004 Amount Added: 0.25 Units: mL

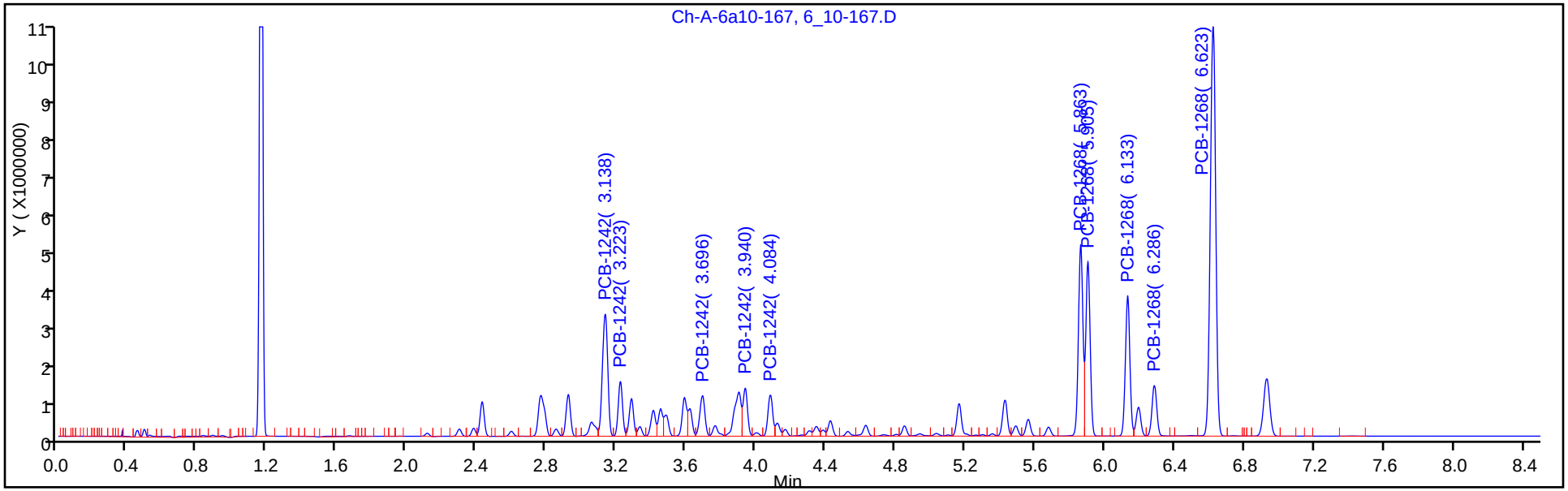
Report Date: 16-Sep-2016 23:33:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

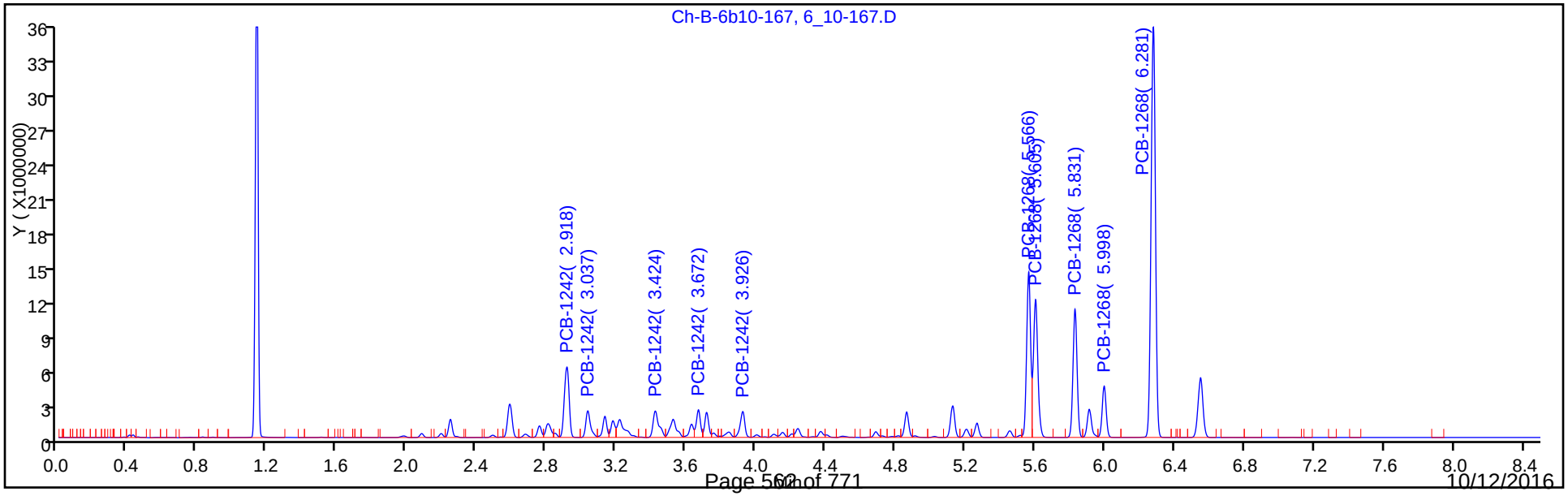
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-167.D

Injection Date:	16-Sep-2016 01:20:05	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-168.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Sep-2016 01:36:01 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 23:33:45 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 23:26:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.164	1.166	-0.002	27063033	0.5000	0.5000	M
2	1.138	1.141	-0.003	47593365	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.136	3.138	-0.002	1822154	0.5000	0.4685	
1	3.224	3.226	-0.002	700640	0.5000	0.5589	
1	3.695	3.696	-0.001	605628	0.5000	0.5557	
1	3.939	3.938	0.001	614497	0.5000	0.5490	
1	4.084	4.087	-0.003	567652	0.5000	0.5494	
		Average of Peak Amounts =				0.5363	
2	2.918	2.918	0.000	3022393	0.5000	0.4838	
2	3.037	3.038	-0.001	1160861	0.5000	0.4877	
2	3.424	3.426	-0.002	1413866	0.5000	0.4862	
2	3.673	3.673	0.000	1033050	0.5000	0.5062	
2	3.925	3.926	-0.001	1062946	0.5000	0.4816	
		Average of Peak Amounts =				0.4891	
						RPD = 9.21	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.863	5.865	-0.002	2084031	0.5000	0.4601	
1	5.907	5.907	0.000	1787242	0.5000	0.4606	
1	6.133	6.134	-0.002	1538038	0.5000	0.4593	
1	6.287	6.288	-0.001	653979	0.5000	0.4578	
1	6.624	6.623	0.002	5083270	0.5000	0.4757	
		Average of Peak Amounts =				0.4627	
2	5.566	5.566	0.000	5453550	0.5000	0.4990	
2	5.604	5.605	-0.001	4923197	0.5000	0.4905	
2	5.831	5.832	-0.001	4304180	0.5000	0.4940	
2	5.998	6.000	-0.002	1713591	0.5000	0.4792	
2	6.282	6.281	0.001	14077588	0.5000	0.4991	
		Average of Peak Amounts =				0.4923	
						RPD = 6.21	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00007 Amount Added: 0.25 Units: mL

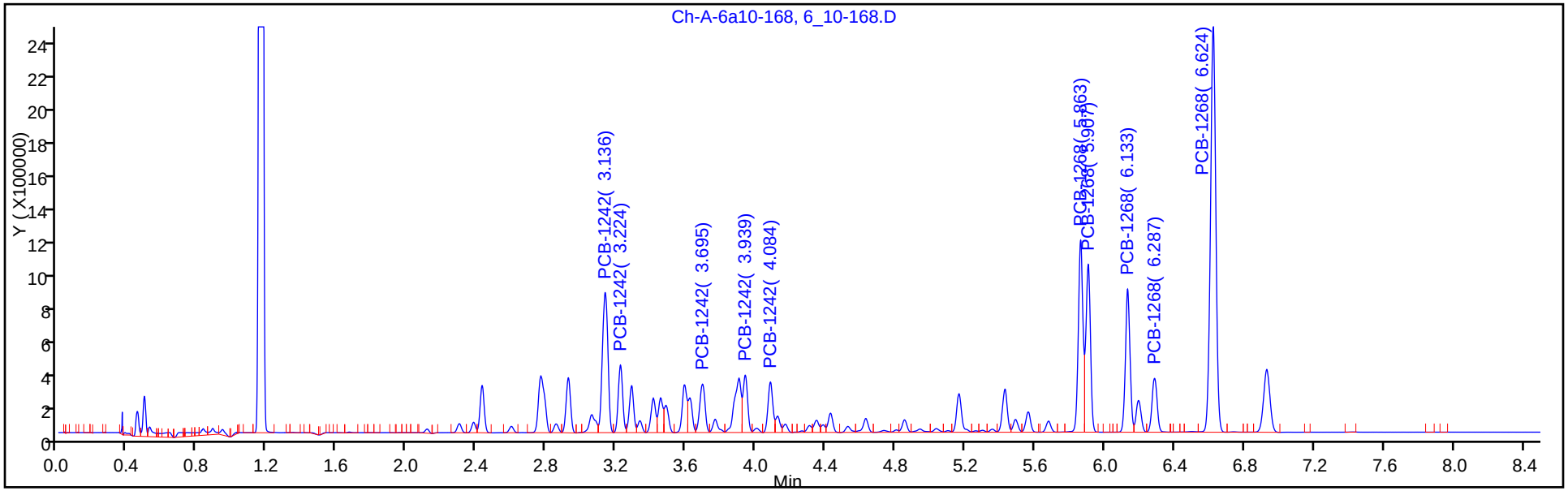
Report Date: 16-Sep-2016 23:33:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

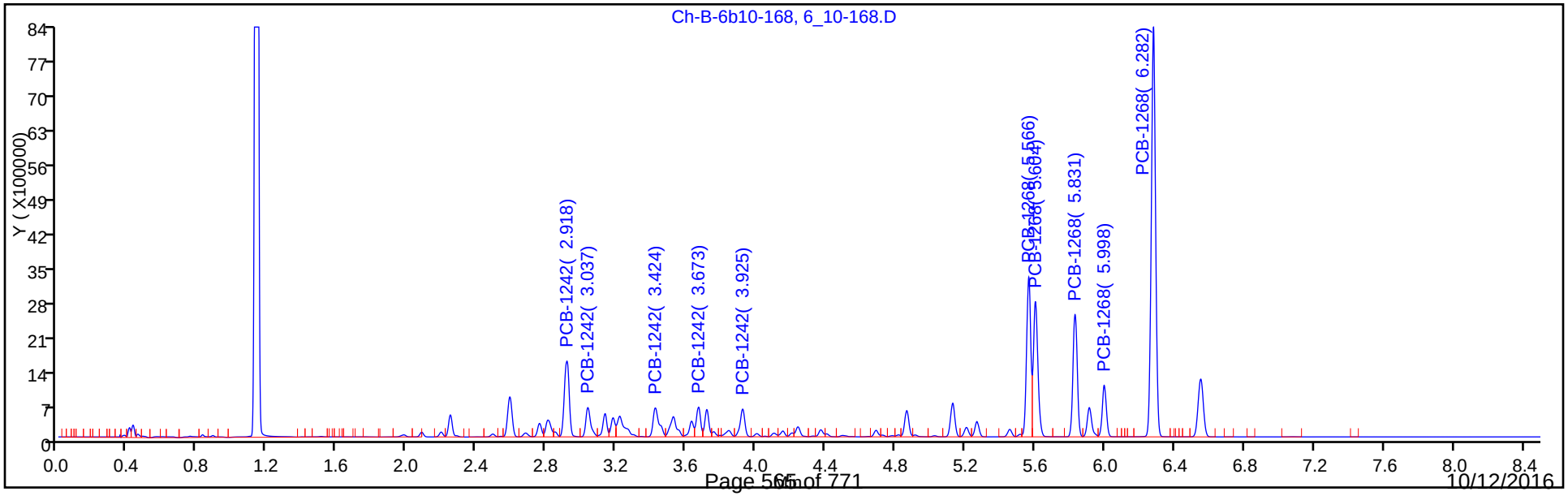
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-168.D

Injection Date:	16-Sep-2016 01:36:01	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-169.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Sep-2016 01:52:29 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 16-Sep-2016 23:33:47 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK003

First Level Reviewer: sobolk Date: 16-Sep-2016 23:27:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.166	1.166	0.000	27749065	0.5000	0.5000	
2	1.141	1.141	0.000	49428331	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							M
1	3.138	3.138	0.000	97297	0.0200	0.0244	M
1	3.226	3.226	0.000	41260	0.0200	0.0182	M
1	3.696	3.696	0.000	33158	0.0200	0.0183	M
1	3.938	3.938	0.000	34249	0.0200	0.0185	M
1	4.087	4.087	0.000	31183	0.0200	0.0185	M
		Average of Peak Amounts =				0.0196	
2	2.918	2.918	0.000	144186	0.0200	0.0222	
2	3.038	3.038	0.000	55598	0.0200	0.0225	M
2	3.426	3.426	0.000	67790	0.0200	0.0224	M
2	3.673	3.673	0.000	43891	0.0200	0.0207	M
2	3.926	3.926	0.000	50956	0.0200	0.0222	M
		Average of Peak Amounts =				0.0220	
						RPD = 11.69	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.865	5.865	0.000	103672	0.0200	0.0223	
1	5.907	5.907	0.000	88296	0.0200	0.0222	
1	6.134	6.134	0.000	77745	0.0200	0.0226	
1	6.288	6.288	0.000	35615	0.0200	0.0243	
1	6.623	6.623	0.000	219854	0.0200	0.0201	
		Average of Peak Amounts =				0.0223	
2	5.566	5.566	0.000	220760	0.0200	0.0194	
2	5.605	5.605	0.000	205467	0.0200	0.0197	
2	5.832	5.832	0.000	178767	0.0200	0.0198	
2	6.000	6.000	0.000	79017	0.0200	0.0213	
2	6.281	6.281	0.000	537366	0.0200	0.0183	
		Average of Peak Amounts =				0.0197	
						RPD = 12.38	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00004 Amount Added: 0.25 Units: mL

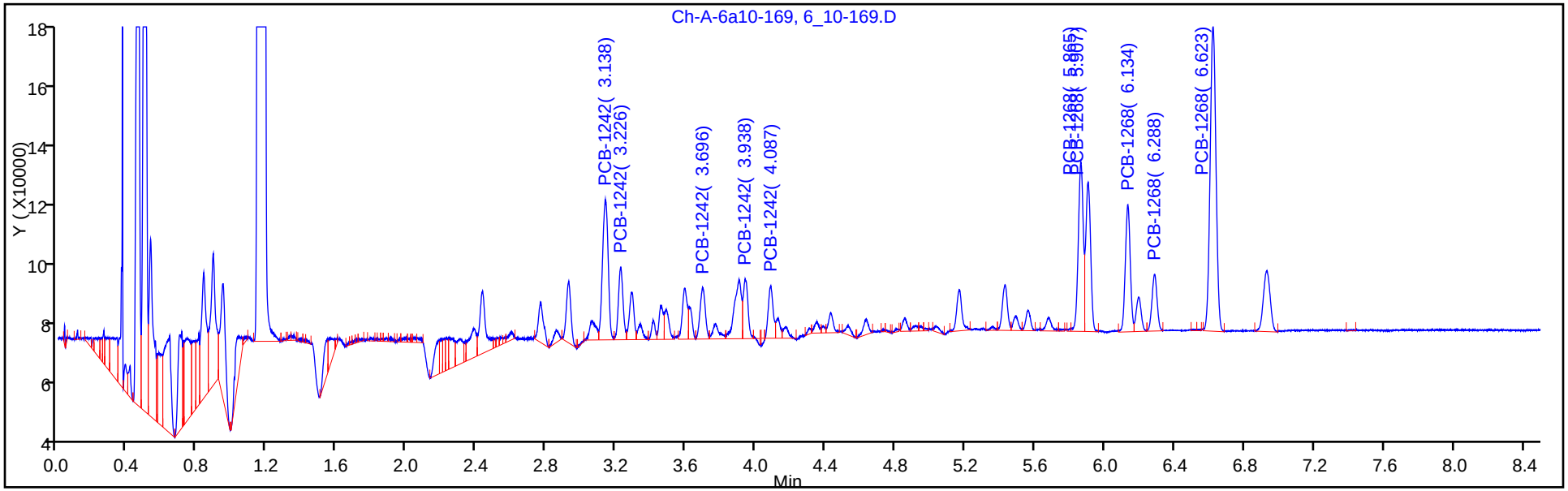
Report Date: 16-Sep-2016 23:33:48 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

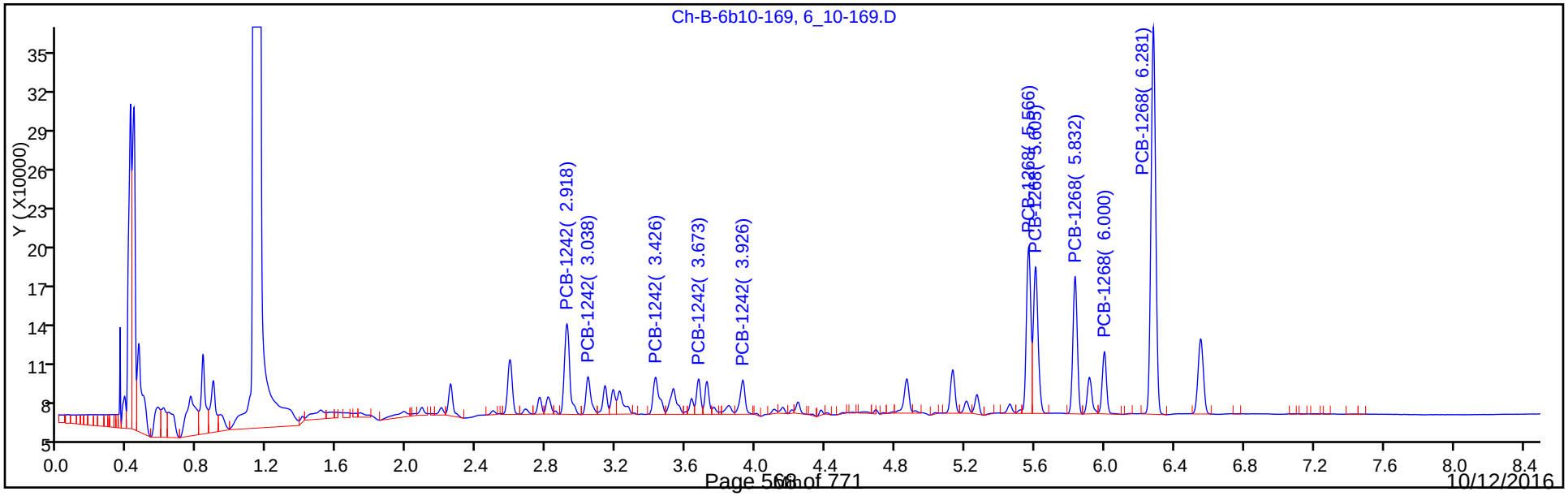
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-169.D

Injection Date:	16-Sep-2016 01:52:29	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 16-Sep-2016 23:33:48 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-169.D

Injection Date: 16-Sep-2016 01:52:29 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

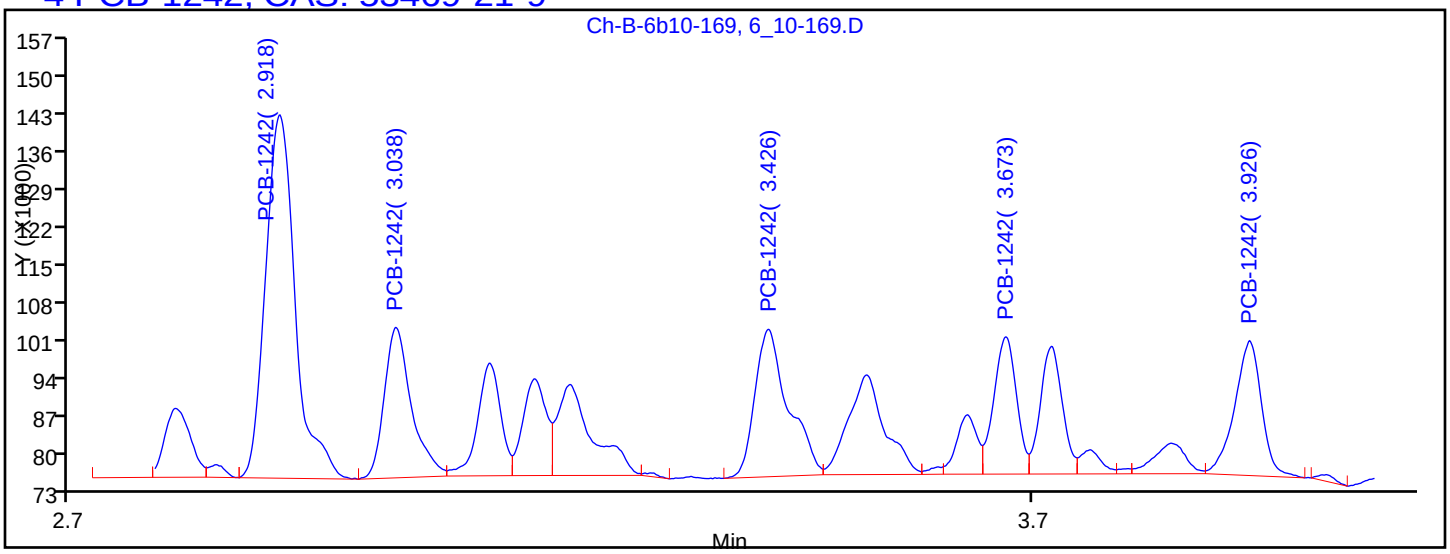
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

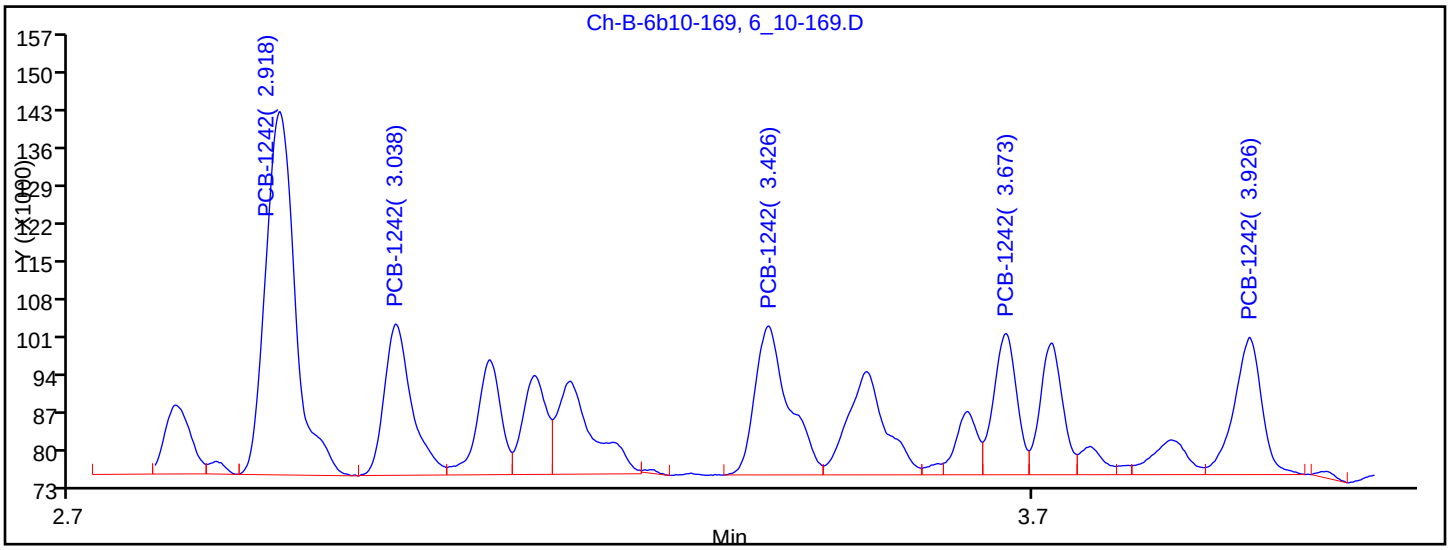
Column: Detector Ch-B-7b136

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.918	Response = 144186
3.038	Response = 54647
3.426	Response = 65902
3.673	Response = 41771
3.926	Response = 48541



Manual Integration Results

2.918	Response = 144186	
3.038	Response = 55598	M
3.426	Response = 67790	M
3.673	Response = 43891	M
3.926	Response = 50956	M

Reviewer: sobolk, 16-Sep-2016 23:27:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 02:24 Calibration End Date: 09/16/2016 02:56 Calibration ID: 28379

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/29	6_10-173.D
Level 2	IC 480-320599/28	6_10-172.D
Level 3	IC 480-320599/27	6_10-171.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0264	0.0233	0.0189			Ave		0.0229				16.6		20.0			
PCB-1248 Peak 2	0.0460	0.0313	0.0276			Lin1	0.0004	0.0280							0.9980		0.9900
PCB-1248 Peak 3	0.0741	0.0499	0.0455			Lin1	0.0006	0.0459							0.9990		0.9900
PCB-1248 Peak 4	0.0513	0.0366	0.0334			Lin1	0.0004	0.0337							0.9990		0.9900
PCB-1248 Peak 5	0.0422	0.0297	0.0272			Lin1	0.0003	0.0274							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 02:24 Calibration End Date: 09/16/2016 02:56 Calibration ID: 28379

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/29	6_10-173.D
Level 2	IC 480-320599/28	6_10-172.D
Level 3	IC 480-320599/27	6_10-171.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Ave	30751	657839	2187969			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Lin1	53446	882589	3201316			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Lin1	86142	1406342	5271311			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin1	59588	1032978	3869053			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Lin1	49107	837772	3151834			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-171.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Sep-2016 02:24:19 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-Sep-2016 18:49:32 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK053

First Level Reviewer: sobolk Date: 16-Sep-2016 21:58:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.165	0.000	28950335	0.5000	0.5000	
2	1.140	1.140	0.000	51000563	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	3.414	3.413	0.002	2187969	2.00	1.65	a
1	3.695	3.693	0.002	3201316	2.00	1.96	
1	3.903	3.901	0.002	5271311	2.00	1.97	a
1	3.942	3.941	0.001	3869053	2.00	1.97	a
1	4.083	4.084	-0.001	3151834	2.00	1.97	a
		Average of Peak Amounts =				1.90	
2	3.182	3.182	0.000	4434907	2.00	1.74	
2	3.423	3.423	0.000	7516826	2.00	1.78	
2	3.671	3.671	0.000	6926880	2.00	1.87	
2	3.719	3.719	0.000	5519782	2.00	1.87	
2	3.925	3.923	0.002	6928902	2.00	1.85	
		Average of Peak Amounts =				1.82	
						RPD = 4.37	

Reagents:

1248w/IS@ 2.0_00004 Amount Added: 0.25 Units: mL

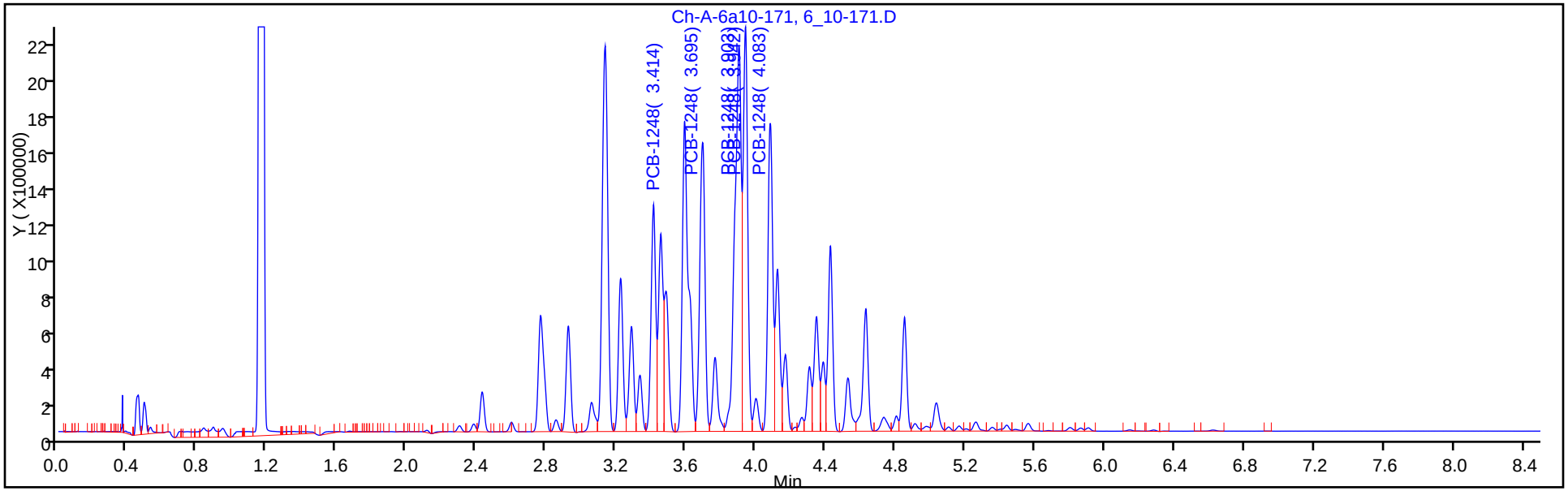
Report Date: 19-Sep-2016 18:49:33 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

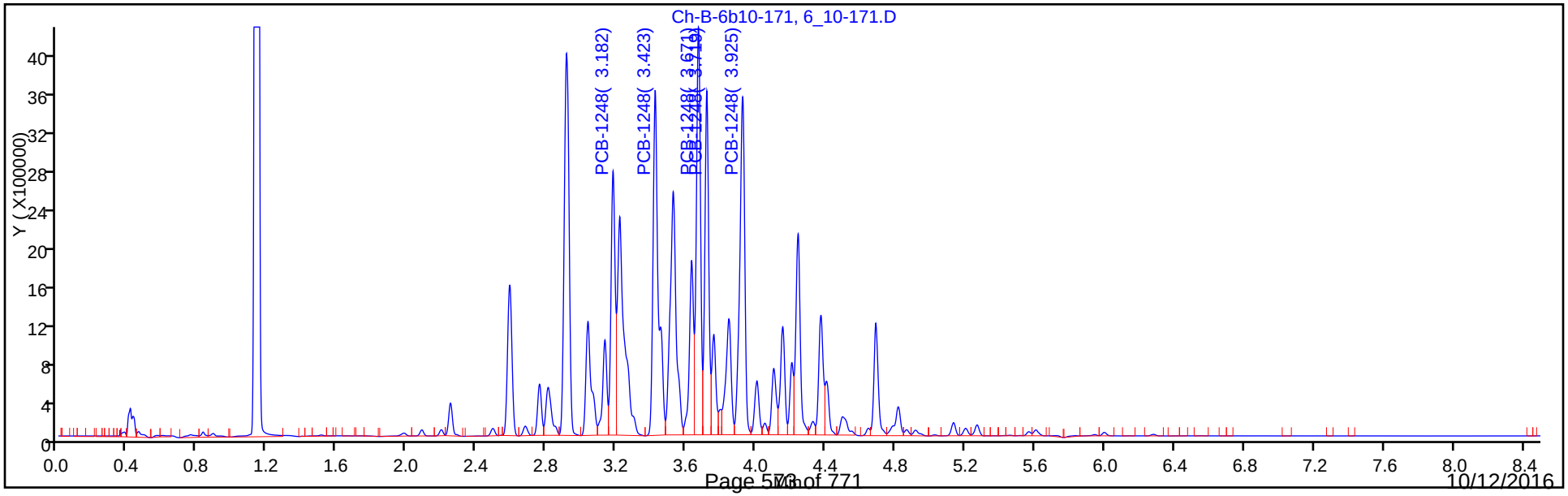
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-171.D

Injection Date:	16-Sep-2016 02:24:19	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-172.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Sep-2016 02:40:17 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-Sep-2016 18:49:37 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK053

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.165	-0.001	28202725	0.5000	0.5000	
2	1.139	1.140	-0.001	49285202	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	3.413	3.413	0.000	657839	0.5000	0.5095	
1	3.695	3.693	0.002	882589	0.5000	0.5439	
1	3.905	3.901	0.004	1406342	0.5000	0.5301	
1	3.941	3.941	0.000	1032978	0.5000	0.5315	
1	4.083	4.084	-0.002	837772	0.5000	0.5294	
		Average of Peak Amounts =				0.5289	
2	3.182	3.182	0.000	1175876	0.5000	0.4782	
2	3.423	3.423	0.000	1951131	0.5000	0.4775	
2	3.673	3.671	0.001	1757964	0.5000	0.4920	
2	3.720	3.719	0.001	1377790	0.5000	0.4830	
2	3.925	3.923	0.002	1730423	0.5000	0.4777	
		Average of Peak Amounts =				0.4817	
						RPD = 9.34	

Reagents:

1248w/IS@ 0.5_00007 Amount Added: 0.25 Units: mL

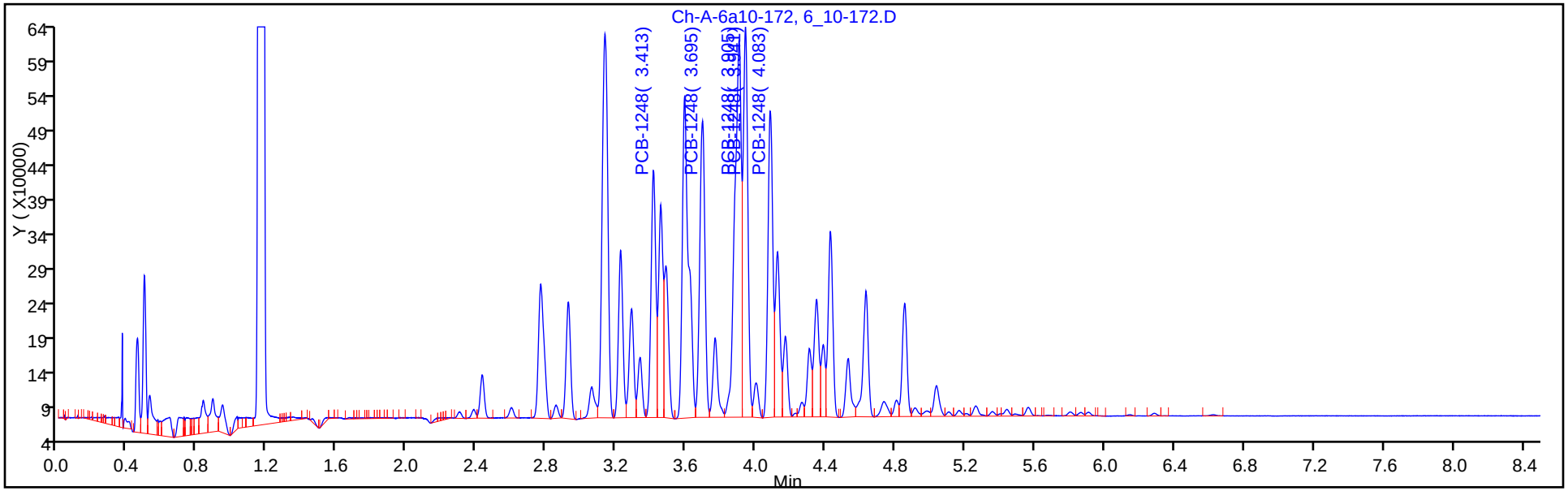
Report Date: 19-Sep-2016 18:49:38 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

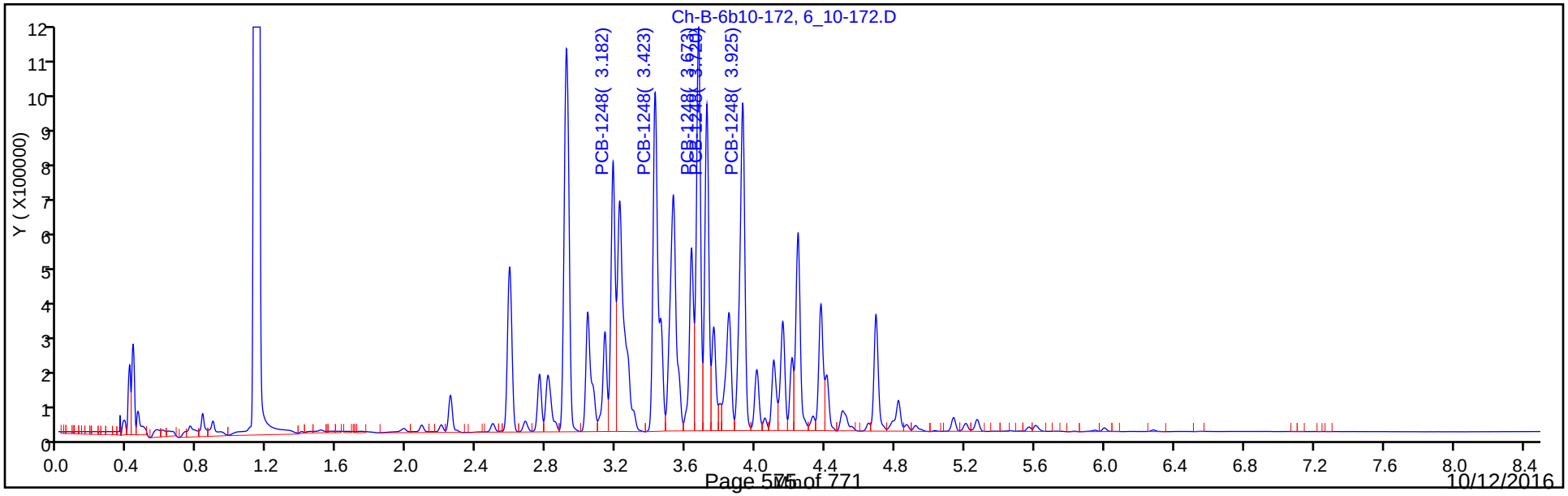
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-172.D

Injection Date:	16-Sep-2016 02:40:17	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Sep-2016 02:56:24 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-Sep-2016 18:49:41 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK053

First Level Reviewer: sobolk Date: 19-Sep-2016 18:48:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.165	0.000	29066831	0.5000	0.5000	
2	1.140	1.140	0.000	51101229	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							M
1	3.413	3.413	0.000	30751	0.0200	0.0231	M
1	3.693	3.693	0.000	53446	0.0200	0.0187	M
1	3.901	3.901	0.000	86142	0.0200	0.0191	M
1	3.941	3.941	0.000	59588	0.0200	0.0190	M
1	4.084	4.084	0.000	49107	0.0200	0.0191	M
		Average of Peak Amounts =				0.0198	
2	3.182	3.182	0.000	59782	0.0200	0.0234	
2	3.423	3.423	0.000	97944	0.0200	0.0231	
2	3.671	3.671	0.000	79969	0.0200	0.0216	
2	3.719	3.719	0.000	64995	0.0200	0.0220	
2	3.923	3.923	0.000	84152	0.0200	0.0224	
		Average of Peak Amounts =				0.0225	
						RPD = 12.78	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00004 Amount Added: 0.25 Units: mL

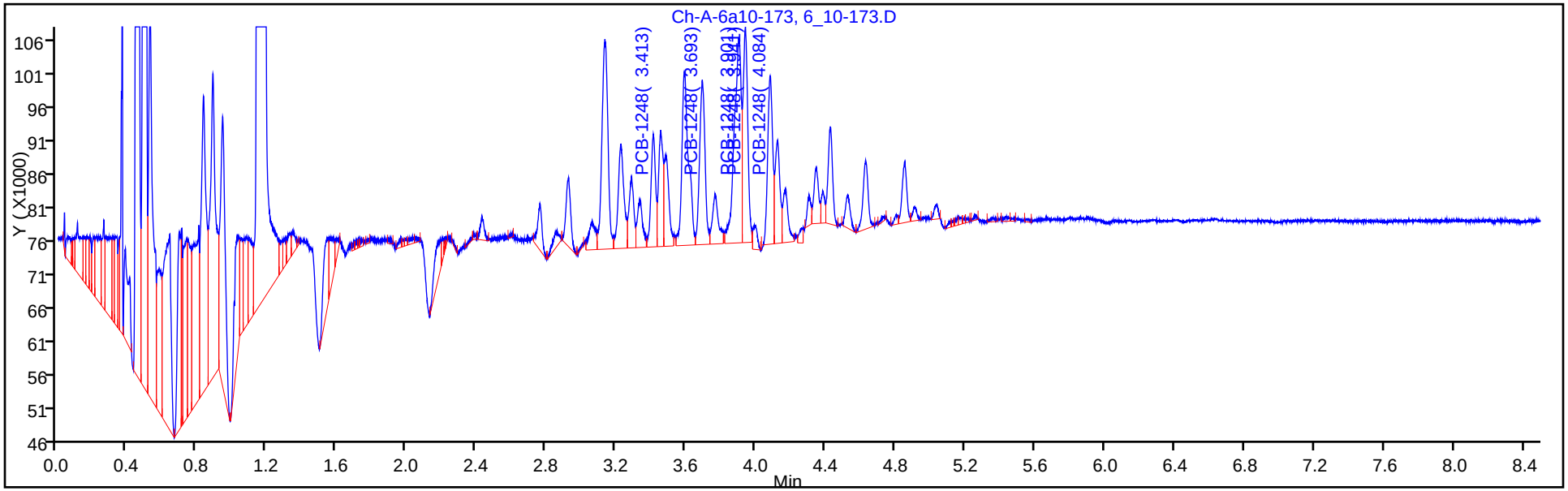
Report Date: 19-Sep-2016 18:49:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

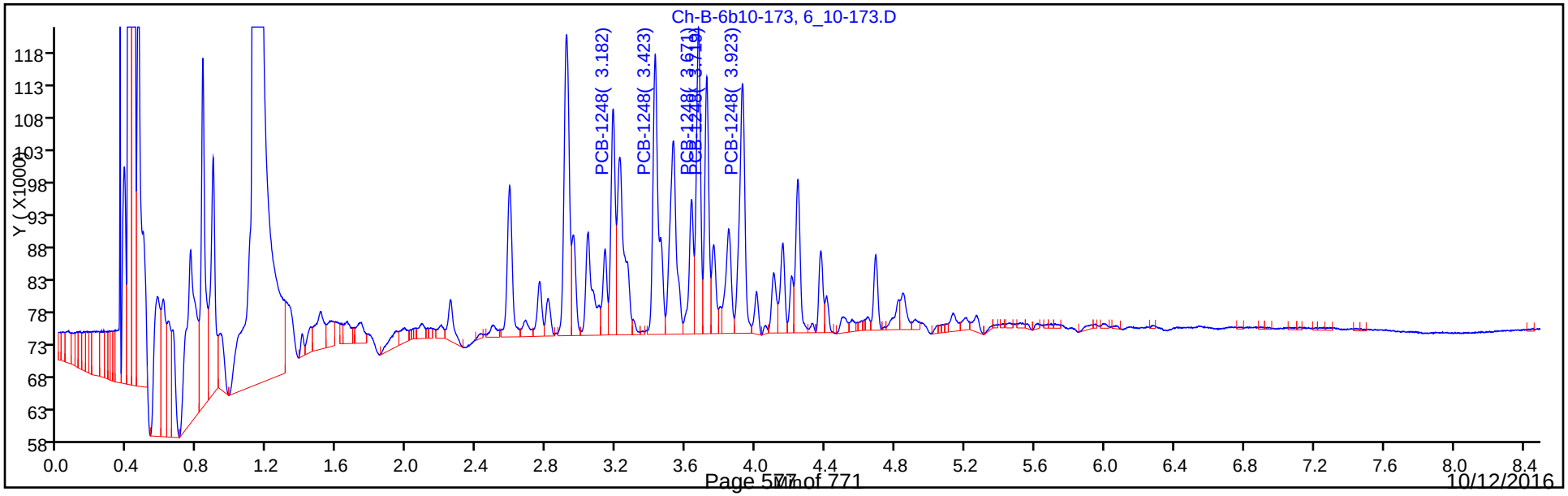
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Injection Date:	16-Sep-2016 02:56:24	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 19-Sep-2016 18:49:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Injection Date: 16-Sep-2016 02:56:24 Instrument ID: HP6890-6

Lims ID: IC 1

Client ID:

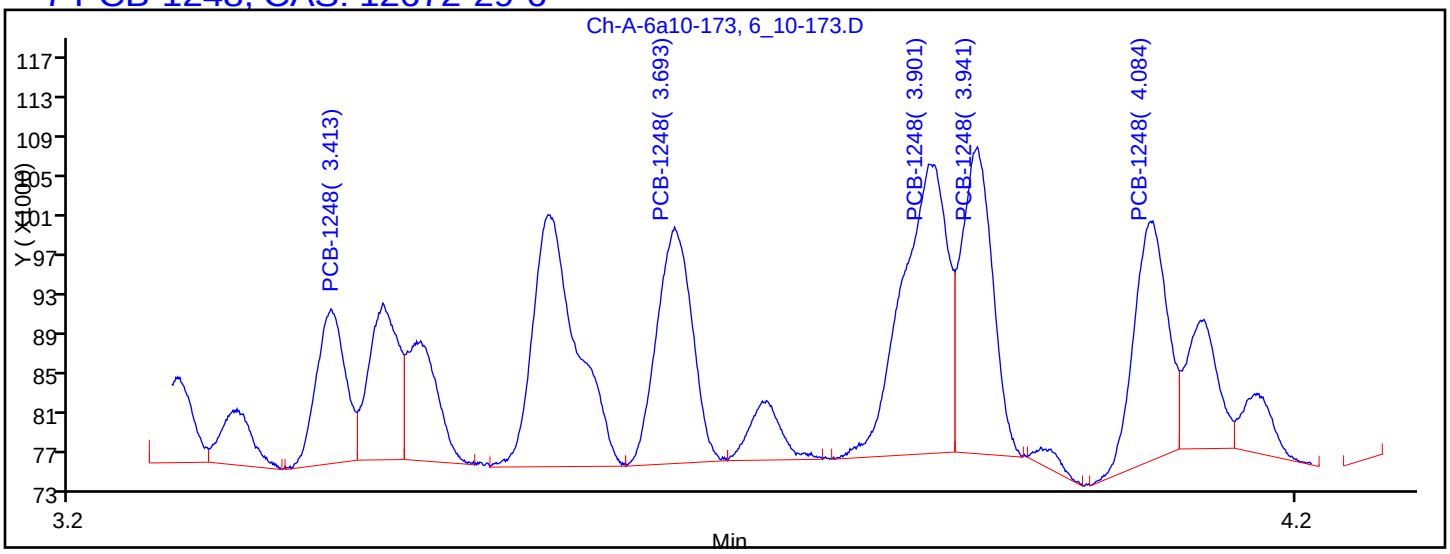
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 29

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

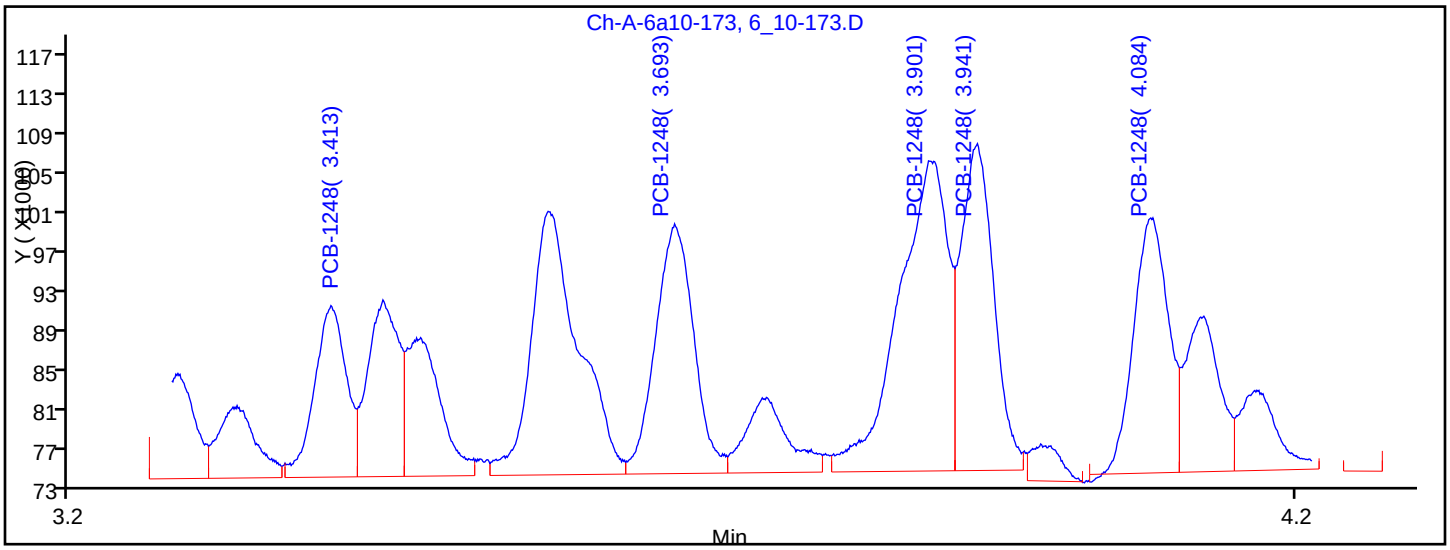
Column: Detector Ch-A-7A136

7 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.413	Response = 25299
3.693	Response = 46818
3.901	Response = 74816
3.941	Response = 53295
4.084	Response = 45158



Manual Integration Results

3.413	Response = 30751	M
3.693	Response = 53446	M
3.901	Response = 86142	M
3.941	Response = 59588	M
4.084	Response = 49107	M

Reviewer: sobolk, 19-Sep-2016 18:48:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 02:24 Calibration End Date: 09/16/2016 02:56 Calibration ID: 28380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/29	6_10-173.D
Level 2	IC 480-320599/28	6_10-172.D
Level 3	IC 480-320599/27	6_10-171.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0292	0.0239	0.0217			Ave		0.0249				15.5		20.0			
PCB-1248 Peak 2	0.0479	0.0396	0.0368			Ave		0.0415				13.9		20.0			
PCB-1248 Peak 3	0.0391	0.0357	0.0340			Ave		0.0362				7.3		20.0			
PCB-1248 Peak 4	0.0318	0.0280	0.0271			Ave		0.0289				8.7		20.0			
PCB-1248 Peak 5	0.0412	0.0351	0.0340			Ave		0.0367				10.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1 Analy Batch No.: 320599

SDG No.:

Instrument ID: HP6890-6 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 02:24 Calibration End Date: 09/16/2016 02:56 Calibration ID: 28380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-320599/29	6_10-173.D
Level 2	IC 480-320599/28	6_10-172.D
Level 3	IC 480-320599/27	6_10-171.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Ave	59782	1175876	4434907			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Ave	97944	1951131	7516826			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Ave	79969	1757964	6926880			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Ave	64995	1377790	5519782			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Ave	84152	1730423	6928902			0.0200	0.500	2.00		

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-171.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Sep-2016 02:24:19 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-Sep-2016 18:49:32 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK053

First Level Reviewer: sobolk Date: 16-Sep-2016 21:58:34

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.165	0.000	28950335	0.5000	0.5000	
2	1.140	1.140	0.000	51000563	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	3.414	3.413	0.002	2187969	2.00	1.65	a
1	3.695	3.693	0.002	3201316	2.00	1.96	
1	3.903	3.901	0.002	5271311	2.00	1.97	a
1	3.942	3.941	0.001	3869053	2.00	1.97	a
1	4.083	4.084	-0.001	3151834	2.00	1.97	a
		Average of Peak Amounts =				1.90	
2	3.182	3.182	0.000	4434907	2.00	1.74	
2	3.423	3.423	0.000	7516826	2.00	1.78	
2	3.671	3.671	0.000	6926880	2.00	1.87	
2	3.719	3.719	0.000	5519782	2.00	1.87	
2	3.925	3.923	0.002	6928902	2.00	1.85	
		Average of Peak Amounts =				1.82	
						RPD = 4.37	

Reagents:

1248w/IS@ 2.0_00004 Amount Added: 0.25 Units: mL

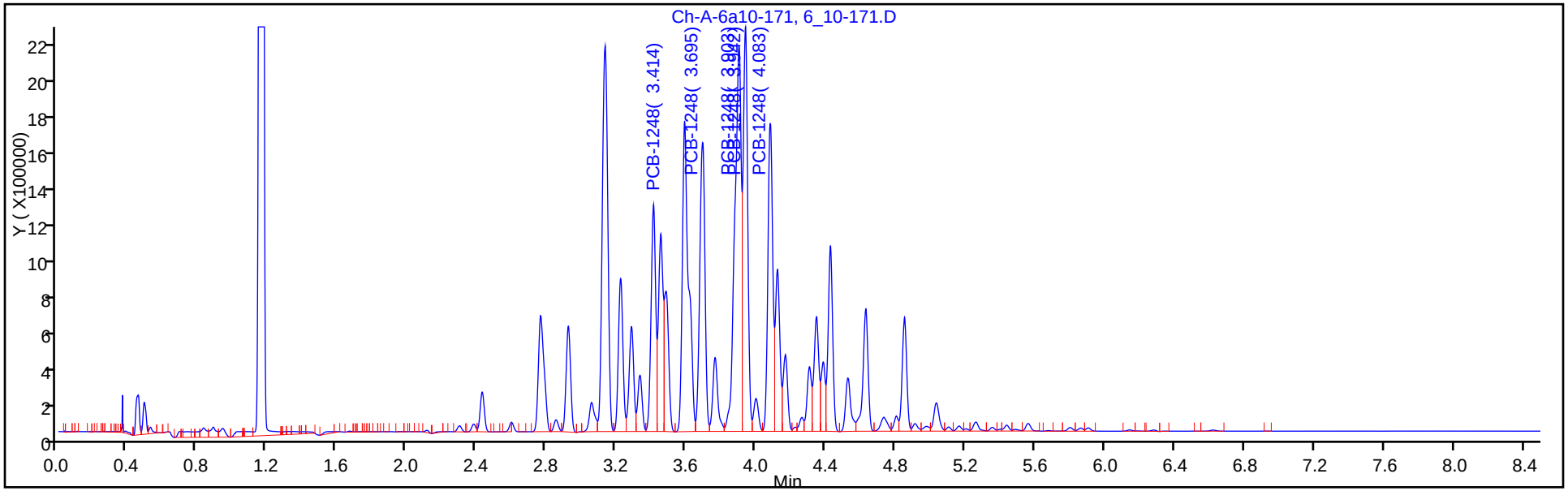
Report Date: 19-Sep-2016 18:49:33 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

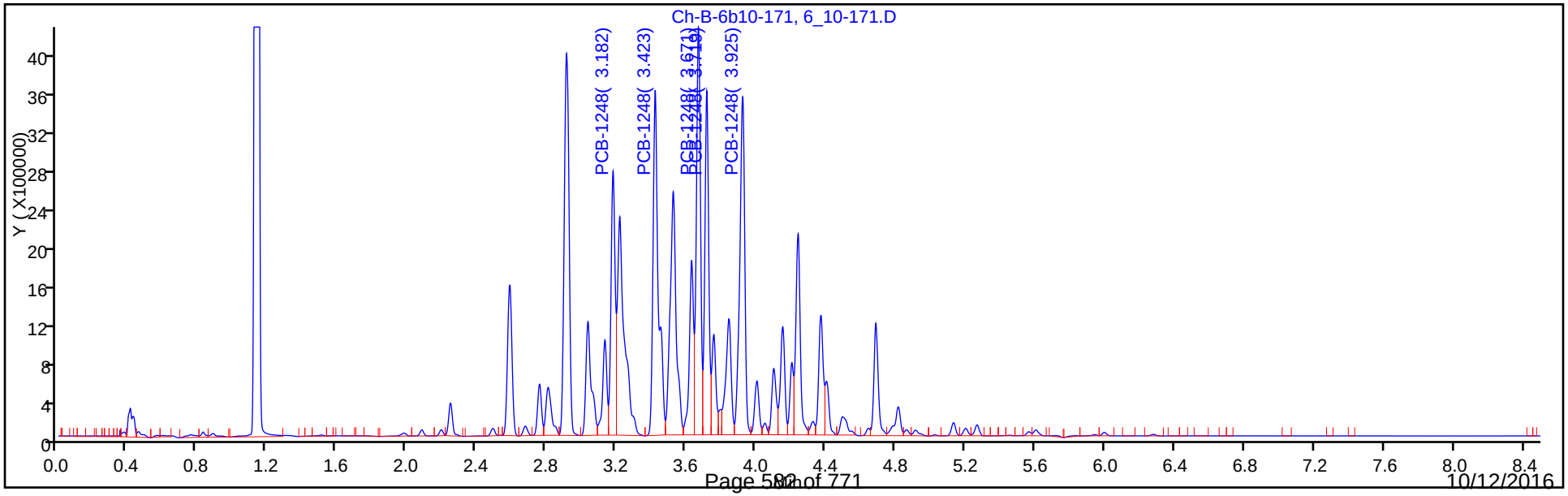
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-171.D

Injection Date:	16-Sep-2016 02:24:19	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-172.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Sep-2016 02:40:17 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-Sep-2016 18:49:37 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK053

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.164	1.165	-0.001	28202725	0.5000	0.5000	
2	1.139	1.140	-0.001	49285202	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							
1	3.413	3.413	0.000	657839	0.5000	0.5095	
1	3.695	3.693	0.002	882589	0.5000	0.5439	
1	3.905	3.901	0.004	1406342	0.5000	0.5301	
1	3.941	3.941	0.000	1032978	0.5000	0.5315	
1	4.083	4.084	-0.002	837772	0.5000	0.5294	
		Average of Peak Amounts =				0.5289	
2	3.182	3.182	0.000	1175876	0.5000	0.4782	
2	3.423	3.423	0.000	1951131	0.5000	0.4775	
2	3.673	3.671	0.001	1757964	0.5000	0.4920	
2	3.720	3.719	0.001	1377790	0.5000	0.4830	
2	3.925	3.923	0.002	1730423	0.5000	0.4777	
		Average of Peak Amounts =				0.4817	
						RPD = 9.34	

Reagents:

1248w/IS@ 0.5_00007 Amount Added: 0.25 Units: mL

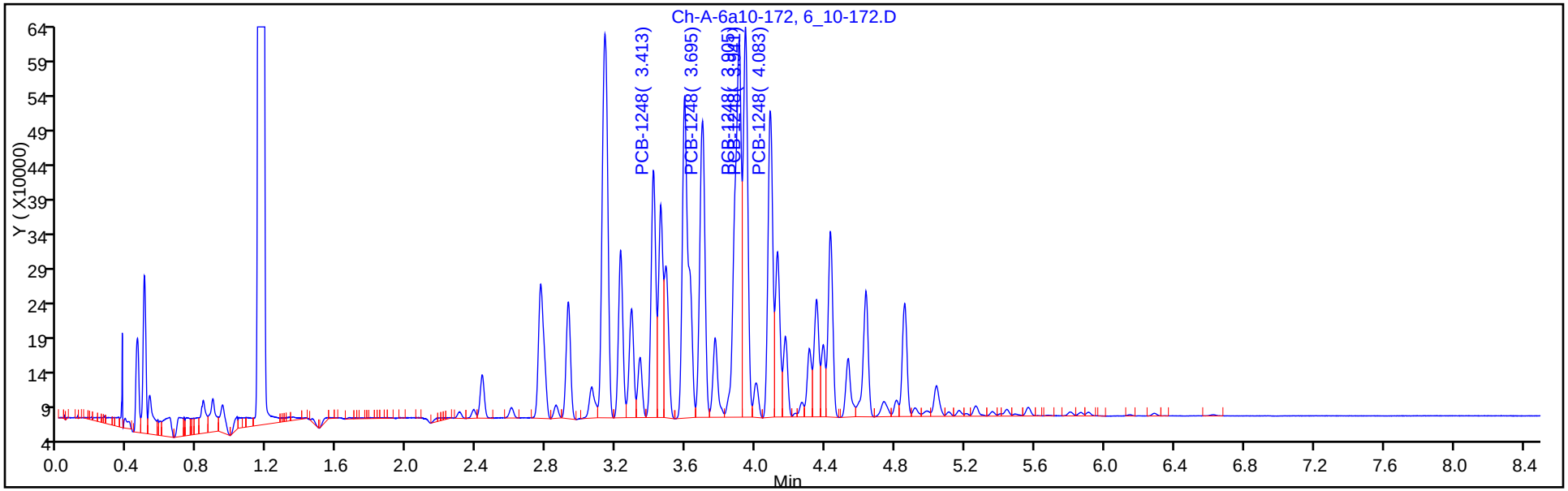
Report Date: 19-Sep-2016 18:49:38 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

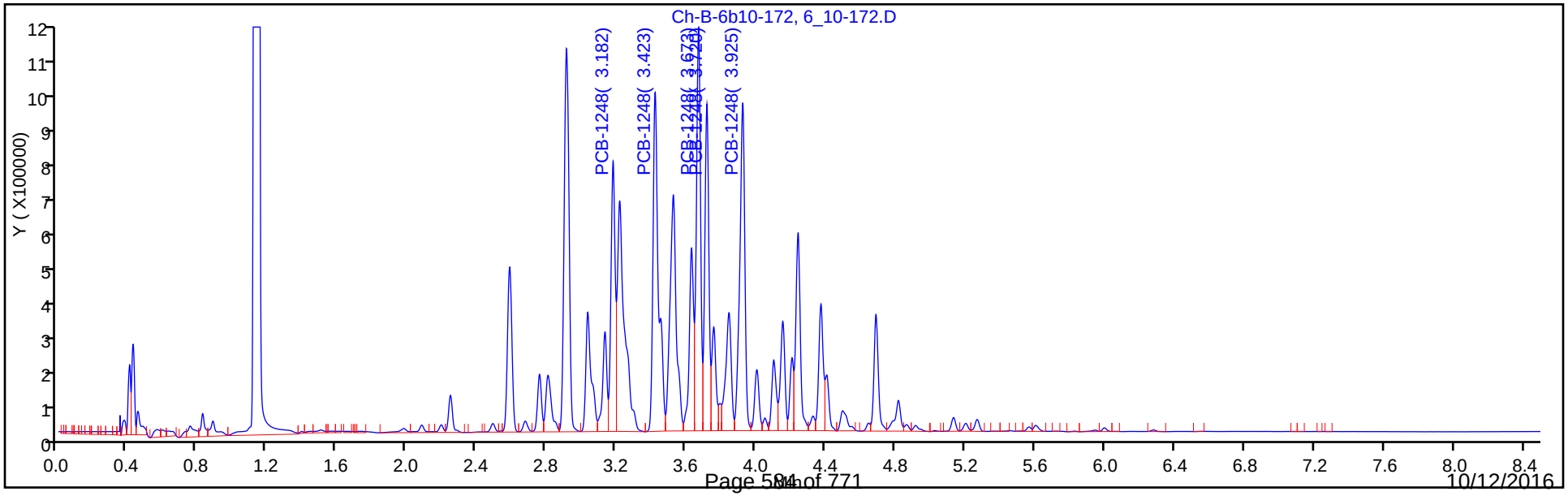
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-172.D

Injection Date:	16-Sep-2016 02:40:17	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Sep-2016 02:56:24 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-Sep-2016 18:49:41 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK053

First Level Reviewer: sobolk Date: 19-Sep-2016 18:48:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.165	1.165	0.000	29066831	0.5000	0.5000	
2	1.140	1.140	0.000	51101229	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							M
1	3.413	3.413	0.000	30751	0.0200	0.0231	M
1	3.693	3.693	0.000	53446	0.0200	0.0187	M
1	3.901	3.901	0.000	86142	0.0200	0.0191	M
1	3.941	3.941	0.000	59588	0.0200	0.0190	M
1	4.084	4.084	0.000	49107	0.0200	0.0191	M
		Average of Peak Amounts =				0.0198	
2	3.182	3.182	0.000	59782	0.0200	0.0234	
2	3.423	3.423	0.000	97944	0.0200	0.0231	
2	3.671	3.671	0.000	79969	0.0200	0.0216	
2	3.719	3.719	0.000	64995	0.0200	0.0220	
2	3.923	3.923	0.000	84152	0.0200	0.0224	
		Average of Peak Amounts =				0.0225	
						RPD = 12.78	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00004 Amount Added: 0.25 Units: mL

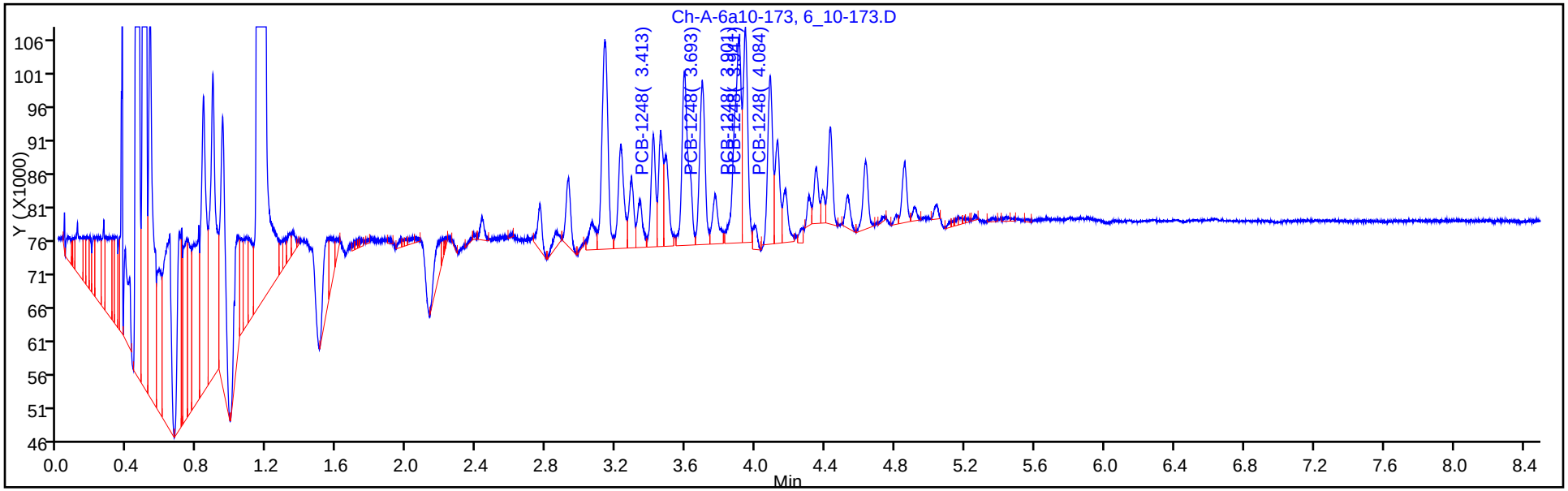
Report Date: 19-Sep-2016 18:49:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

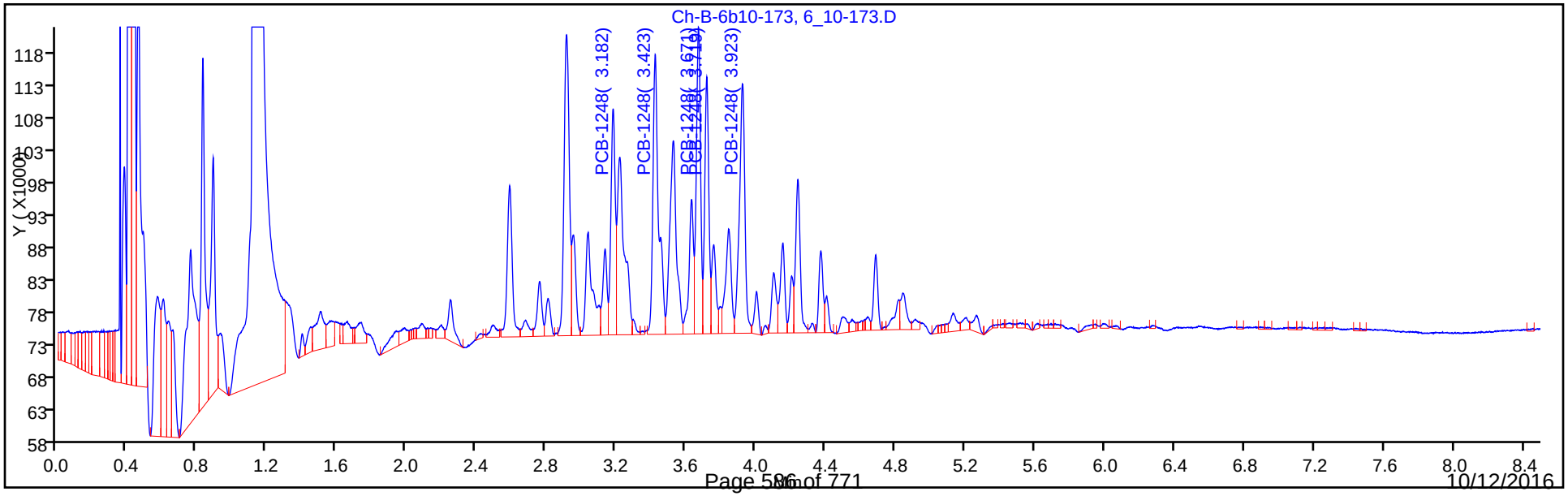
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Injection Date:	16-Sep-2016 02:56:24	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324559/4 Calibration Date: 10/08/2016 13:31

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_374m_308.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0320	0.0345		0.540	0.500	8.0	20.0
PCB-1016 Peak 2	Ave	0.0339	0.0385		0.567	0.500	13.5	20.0
PCB-1016 Peak 3	Ave	0.0953	0.1042		0.547	0.500	9.3	20.0
PCB-1016 Peak 4	Ave	0.0412	0.0444		0.539	0.500	7.8	20.0
PCB-1016 Peak 5	Ave	0.0268	0.0418		0.780	0.500	55.9*	20.0
PCB-1260 Peak 1	Ave	0.0896	0.1082		0.604	0.500	20.7*	20.0
PCB-1260 Peak 2	Ave	0.0509	0.0572		0.561	0.500	12.2	20.0
PCB-1260 Peak 3	Ave	0.0451	0.0521		0.577	0.500	15.5	20.0
PCB-1260 Peak 4	Ave	0.1373	0.1608		0.586	0.500	17.2	20.0
PCB-1260 Peak 5	Ave	0.0587	0.0662		0.563	0.500	12.7	20.0
Tetrachloro-m-xylene	Ave	1.146	1.111		0.0291	0.0300	-3.1	20.0
DCB Decachlorobiphenyl	Ave	1.711	1.845		0.0323	0.0300	7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324559/4 Calibration Date: 10/08/2016 13:31

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_374m_308.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.74	1.71	1.77
PCB-1016 Peak 2	2.05	2.02	2.08
PCB-1016 Peak 3	2.19	2.16	2.22
PCB-1016 Peak 4	2.26	2.23	2.29
PCB-1016 Peak 5	2.30	2.27	2.33
PCB-1260 Peak 1	3.77	3.74	3.80
PCB-1260 Peak 2	3.89	3.86	3.92
PCB-1260 Peak 3	4.07	4.04	4.10
PCB-1260 Peak 4	4.26	4.23	4.29
PCB-1260 Peak 5	4.48	4.45	4.51
Tetrachloro-m-xylene	1.58	1.55	1.61
DCB Decachlorobiphenyl	5.44	5.41	5.47

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_308.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Oct-2016 13:31:48 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:50:21 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:50:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1309730	0.5000	0.5000	
2	1.581	1.581	0.000	1068754	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	87284	0.0300	0.0291	
2	2.146	2.146	0.000	58708	0.0300	0.0323	
						RPD = 10.47	
9 PCB-1016							
1	1.739	1.739	0.000	45211	0.5000	0.5402	
1	2.049	2.049	0.000	50388	0.5000	0.5673	
1	2.193	2.193	0.000	136450	0.5000	0.5467	
1	2.257	2.257	0.000	58164	0.5000	0.5388	
1	2.299	2.299	0.000	54760	0.5000	0.7795	
		Average of Peak Amounts =				0.5945	
2	2.545	2.545	0.000	25673	0.5000	0.4494	
2	2.858	2.858	0.000	54954	0.5000	0.4866	
2	3.065	3.065	0.000	30175	0.5000	0.4687	
2	3.159	3.159	0.000	96359	0.5000	0.5069	
2	3.280	3.280	0.000	37630	0.5000	0.4746	
		Average of Peak Amounts =				0.4772	
						RPD = 21.88	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	3.767	3.767	0.000	141713	0.5000	0.6036	
1	3.891	3.891	0.000	74856	0.5000	0.5609	
1	4.065	4.065	0.000	68277	0.5000	0.5774	
1	4.257	4.257	0.000	210661	0.5000	0.5859	
1	4.479	4.479	0.000	86653	0.5000	0.5634	
		Average of Peak Amounts =				0.5783	
2	5.021	5.021	0.000	71616	0.5000	0.5423	
2	5.341	5.341	0.000	56796	0.5000	0.5508	
2	5.406	5.406	0.000	45461	0.5000	0.5201	
2	5.469	5.469	0.000	160328	0.5000	0.5443	
2	5.831	5.831	0.000	104893	0.5000	0.5365	
		Average of Peak Amounts =				0.5388	
						RPD = 7.06	
4 1260 Res 2							
1	4.479	4.479	0.000	86653	NC	NC	
2	5.341	5.341	0.000	56796	NC	NC	
3 1260 Res 3							
1	4.541	4.541	0.000	43801	NC	NC	
2	5.406	5.406	0.000	45461	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	5.435	5.435	0.000	144989	0.0300	0.0323	
2	7.062	7.062	0.000	109913	0.0300	0.0308	
						RPD = 5.03	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

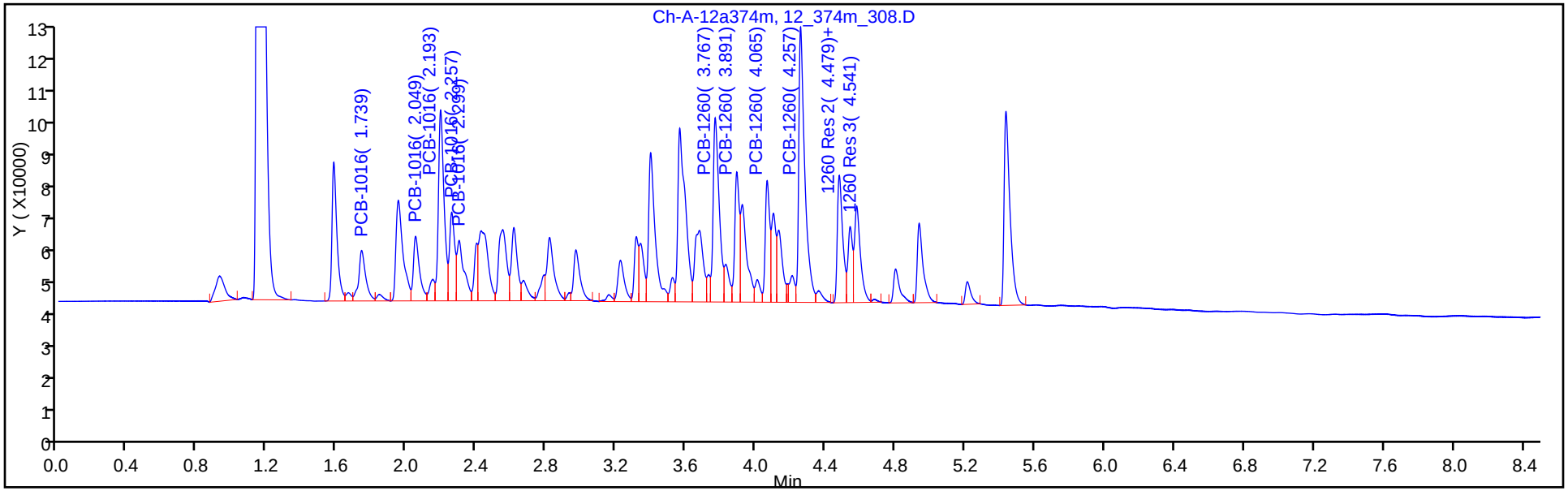
Report Date: 10-Oct-2016 12:50:22 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

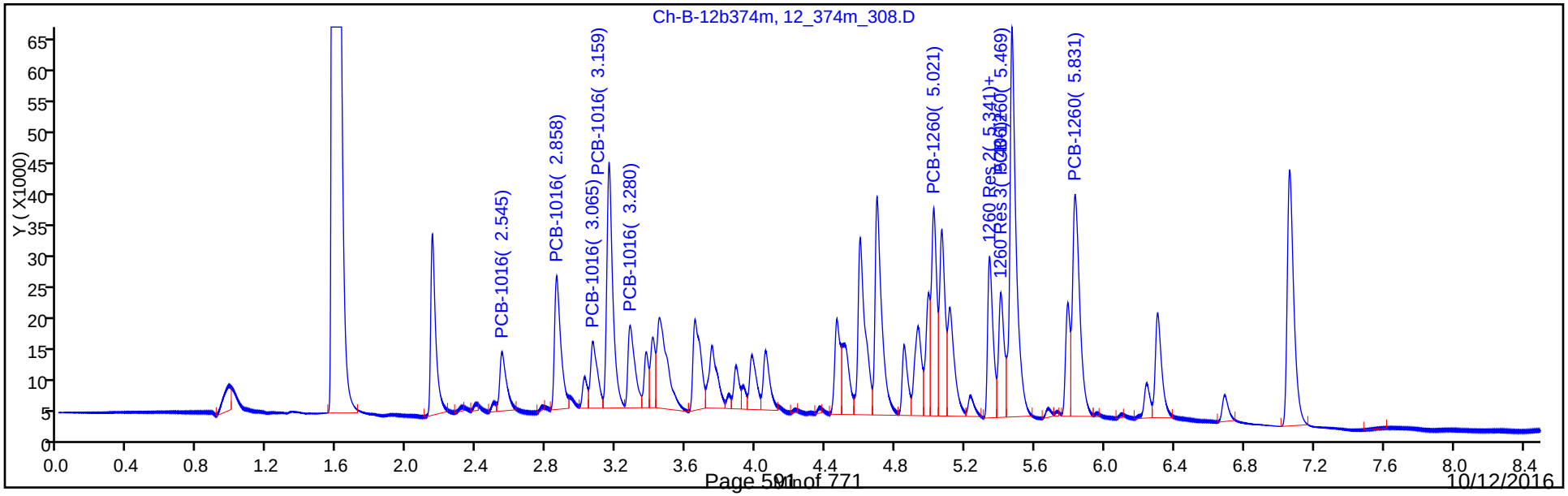
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_308.D

Injection Date:	08-Oct-2016 13:31:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324559/4 Calibration Date: 10/08/2016 13:31

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_374m_308.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0267	0.0240		0.449	0.500	-10.1	20.0
PCB-1016 Peak 2	Ave	0.0528	0.0514		0.487	0.500	-2.7	20.0
PCB-1016 Peak 3	Ave	0.0301	0.0282		0.469	0.500	-6.3	20.0
PCB-1016 Peak 4	Ave	0.0889	0.0902		0.507	0.500	1.4	20.0
PCB-1016 Peak 5	Ave	0.0371	0.0352		0.475	0.500	-5.1	20.0
PCB-1260 Peak 1	Ave	0.0618	0.0670		0.542	0.500	8.5	20.0
PCB-1260 Peak 2	Ave	0.0482	0.0531		0.551	0.500	10.2	20.0
PCB-1260 Peak 3	Ave	0.0409	0.0425		0.520	0.500	4.0	20.0
PCB-1260 Peak 4	Ave	0.1378	0.1500		0.544	0.500	8.9	20.0
PCB-1260 Peak 5	Ave	0.0915	0.0982		0.536	0.500	7.3	20.0
Tetrachloro-m-xylene	Ave	0.8510	0.9155		0.0323	0.0300	7.6	20.0
DCB Decachlorobiphenyl	Ave	1.672	1.714		0.0308	0.0300	2.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324559/4 Calibration Date: 10/08/2016 13:31

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 17:08

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 18:40

Lab File ID: 12_374m_308.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.55	2.52	2.58
PCB-1016 Peak 2	2.86	2.83	2.89
PCB-1016 Peak 3	3.07	3.04	3.10
PCB-1016 Peak 4	3.16	3.13	3.19
PCB-1016 Peak 5	3.28	3.25	3.31
PCB-1260 Peak 1	5.02	4.99	5.05
PCB-1260 Peak 2	5.34	5.31	5.37
PCB-1260 Peak 3	5.41	5.38	5.44
PCB-1260 Peak 4	5.47	5.44	5.50
PCB-1260 Peak 5	5.83	5.80	5.86
Tetrachloro-m-xylene	2.15	2.12	2.18
DCB Decachlorobiphenyl	7.06	7.03	7.09

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_308.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Oct-2016 13:31:48 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:50:21 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:50:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1309730	0.5000	0.5000	
2	1.581	1.581	0.000	1068754	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	87284	0.0300	0.0291	
2	2.146	2.146	0.000	58708	0.0300	0.0323	
						RPD = 10.47	
9 PCB-1016							
1	1.739	1.739	0.000	45211	0.5000	0.5402	
1	2.049	2.049	0.000	50388	0.5000	0.5673	
1	2.193	2.193	0.000	136450	0.5000	0.5467	
1	2.257	2.257	0.000	58164	0.5000	0.5388	
1	2.299	2.299	0.000	54760	0.5000	0.7795	
		Average of Peak Amounts =				0.5945	
2	2.545	2.545	0.000	25673	0.5000	0.4494	
2	2.858	2.858	0.000	54954	0.5000	0.4866	
2	3.065	3.065	0.000	30175	0.5000	0.4687	
2	3.159	3.159	0.000	96359	0.5000	0.5069	
2	3.280	3.280	0.000	37630	0.5000	0.4746	
		Average of Peak Amounts =				0.4772	
						RPD = 21.88	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	3.767	3.767	0.000	141713	0.5000	0.6036	
1	3.891	3.891	0.000	74856	0.5000	0.5609	
1	4.065	4.065	0.000	68277	0.5000	0.5774	
1	4.257	4.257	0.000	210661	0.5000	0.5859	
1	4.479	4.479	0.000	86653	0.5000	0.5634	
		Average of Peak Amounts =				0.5783	
2	5.021	5.021	0.000	71616	0.5000	0.5423	
2	5.341	5.341	0.000	56796	0.5000	0.5508	
2	5.406	5.406	0.000	45461	0.5000	0.5201	
2	5.469	5.469	0.000	160328	0.5000	0.5443	
2	5.831	5.831	0.000	104893	0.5000	0.5365	
		Average of Peak Amounts =				0.5388	
						RPD = 7.06	
4 1260 Res 2							
1	4.479	4.479	0.000	86653	NC	NC	
2	5.341	5.341	0.000	56796	NC	NC	
3 1260 Res 3							
1	4.541	4.541	0.000	43801	NC	NC	
2	5.406	5.406	0.000	45461	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	5.435	5.435	0.000	144989	0.0300	0.0323	
2	7.062	7.062	0.000	109913	0.0300	0.0308	
						RPD = 5.03	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

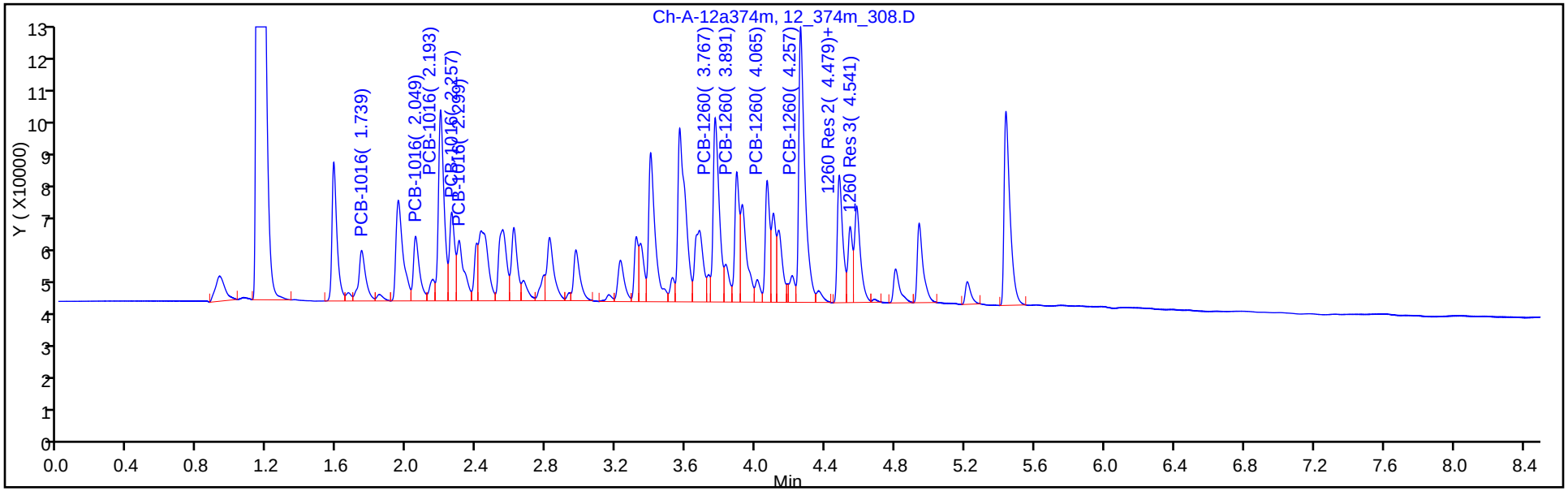
Report Date: 10-Oct-2016 12:50:23 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

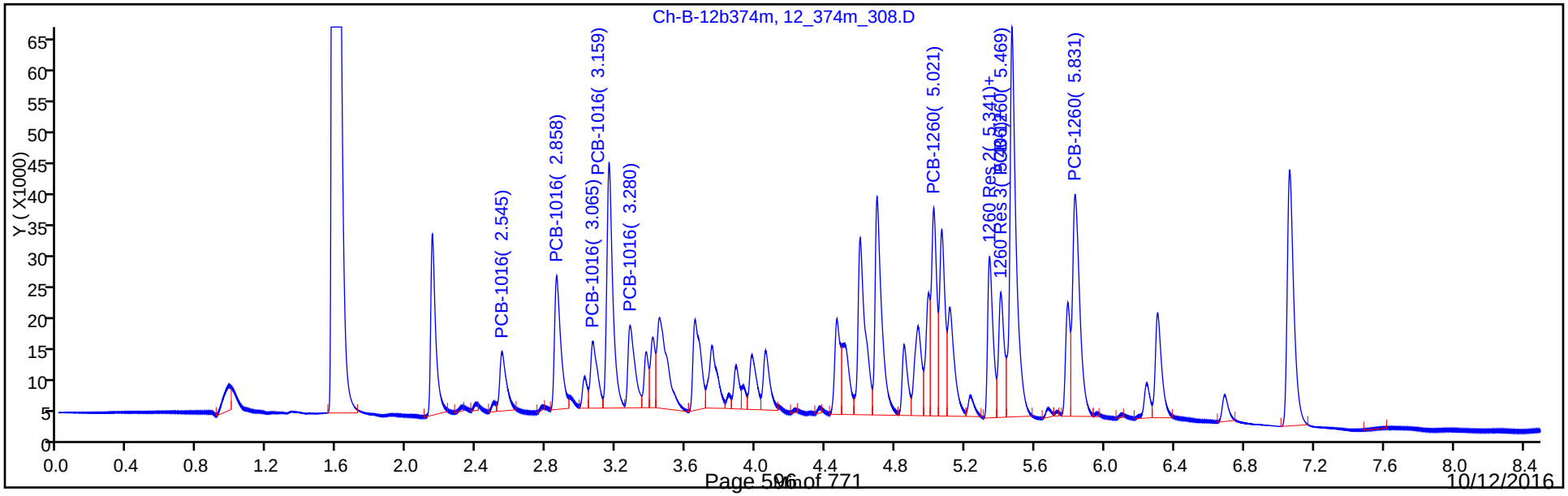
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_308.D

Injection Date:	08-Oct-2016 13:31:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/5 Calibration Date: 10/08/2016 13:47

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:12

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 20:12

Lab File ID: 12_374m_309.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0143	0.0150		0.526	0.500	5.2	20.0
PCB-1221 Peak 2	Ave	0.0109	0.0108		0.494	0.500	-1.3	20.0
PCB-1221 Peak 3	Ave	0.0467	0.0494		0.528	0.500	5.7	20.0
PCB-1254 Peak 1	Ave	0.0709	0.0752		0.530	0.500	6.1	20.0
PCB-1254 Peak 2	Ave	0.0949	0.1071		0.564	0.500	12.8	20.0
PCB-1254 Peak 3	Ave	0.0966	0.1107		0.573	0.500	14.6	20.0
PCB-1254 Peak 4	Ave	0.0632	0.0747		0.591	0.500	18.1	20.0
PCB-1254 Peak 5	Ave	0.0890	0.0891		0.501	0.500	0.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/5 Calibration Date: 10/08/2016 13:47

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:12

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 20:12

Lab File ID: 12_374m_309.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.36	1.33	1.39
PCB-1221 Peak 2	1.67	1.64	1.70
PCB-1221 Peak 3	1.74	1.71	1.77
PCB-1254 Peak 1	2.97	2.94	3.00
PCB-1254 Peak 2	3.23	3.20	3.26
PCB-1254 Peak 3	3.40	3.37	3.43
PCB-1254 Peak 4	3.60	3.57	3.63
PCB-1254 Peak 5	3.77	3.74	3.80

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_309.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 13:47:10 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:50:45 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:50:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1287820	0.5000	0.5000	
2	1.581	1.581	0.000	1043693	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.357	1.357	0.000	19321	0.5000	0.5259	
1	1.666	1.666	0.000	13882	0.5000	0.4935	
1	1.739	1.739	0.000	63566	0.5000	0.5283	
		Average of Peak Amounts =				0.5159	
2	1.901	1.901	0.000	11847	0.5000	0.4184	
2	2.393	2.393	0.000	10970	0.5000	0.4267	
2	2.543	2.543	0.000	36741	0.5000	0.4663	
		Average of Peak Amounts =				0.4371	
						RPD = 16.53	
11 PCB-1254							M
1	2.966	2.966	0.000	96841	0.5000	0.5304	M
1	3.225	3.225	0.000	137907	0.5000	0.5639	
1	3.402	3.402	0.000	142551	0.5000	0.5729	
1	3.595	3.595	0.000	96140	0.5000	0.5907	
1	3.768	3.768	0.000	114772	0.5000	0.5010	M
		Average of Peak Amounts =				0.5518	
2	4.054	4.054	0.000	67331	0.5000	0.5318	
2	4.364	4.364	0.000	39861	0.5000	0.5236	
2	4.452	4.452	0.000	109076	0.5000	0.5792	
2	4.585	4.585	0.000	108776	0.5000	0.5234	
2	5.021	5.021	0.000	75224	0.5000	0.5432	
		Average of Peak Amounts =				0.5402	
						RPD = 2.12	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54+IS CCV_00002 Amount Added: 1.00 Units: mL

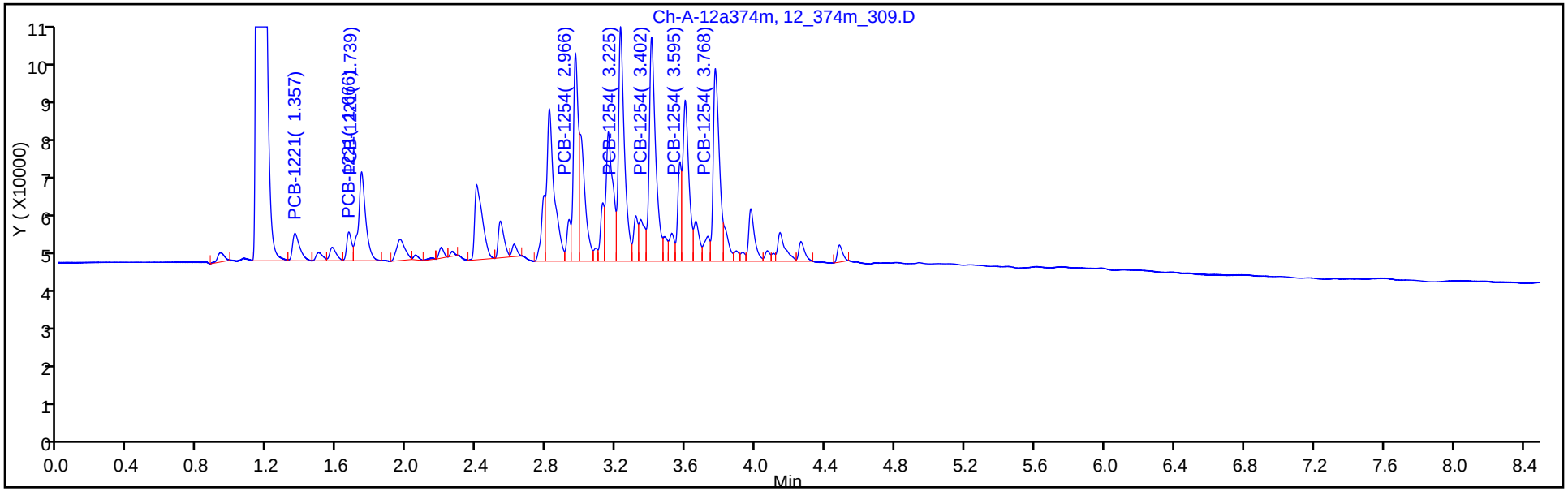
Report Date: 10-Oct-2016 12:50:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

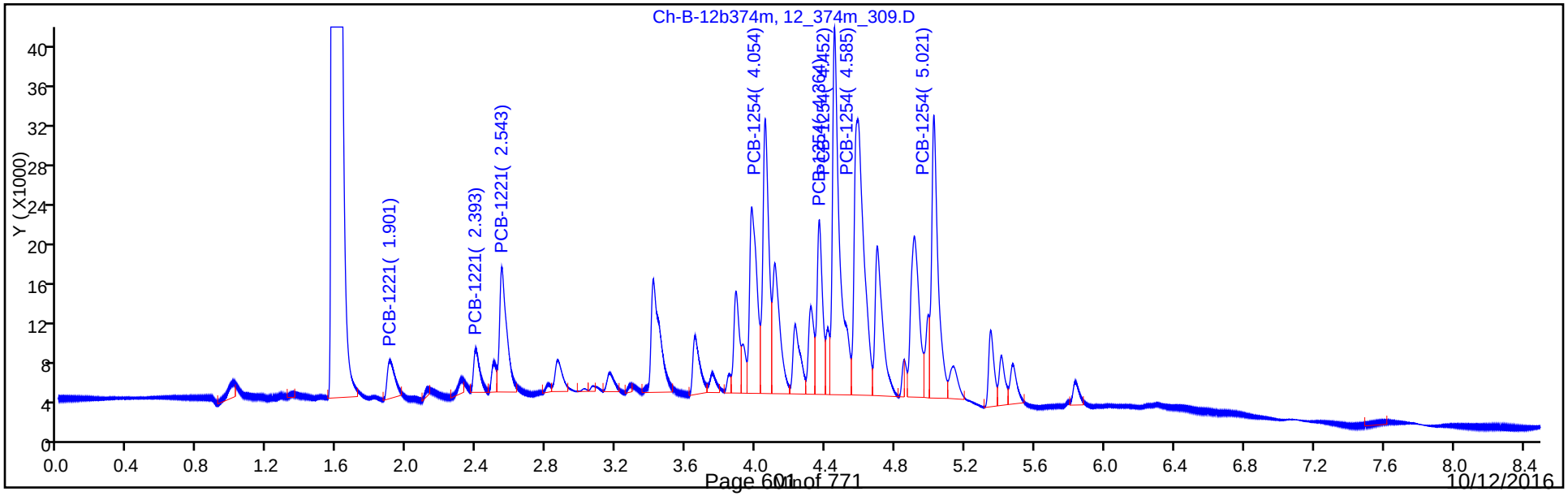
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_309.D

Injection Date:	08-Oct-2016 13:47:10	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



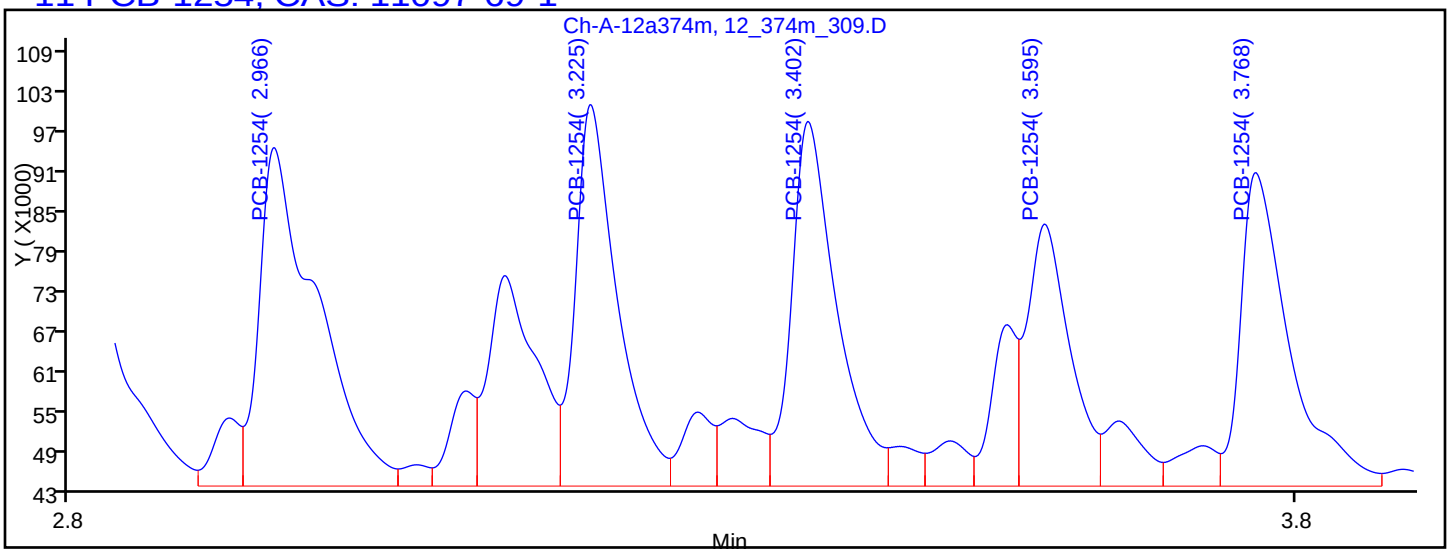
Report Date: 10-Oct-2016 12:50:46 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_309.D

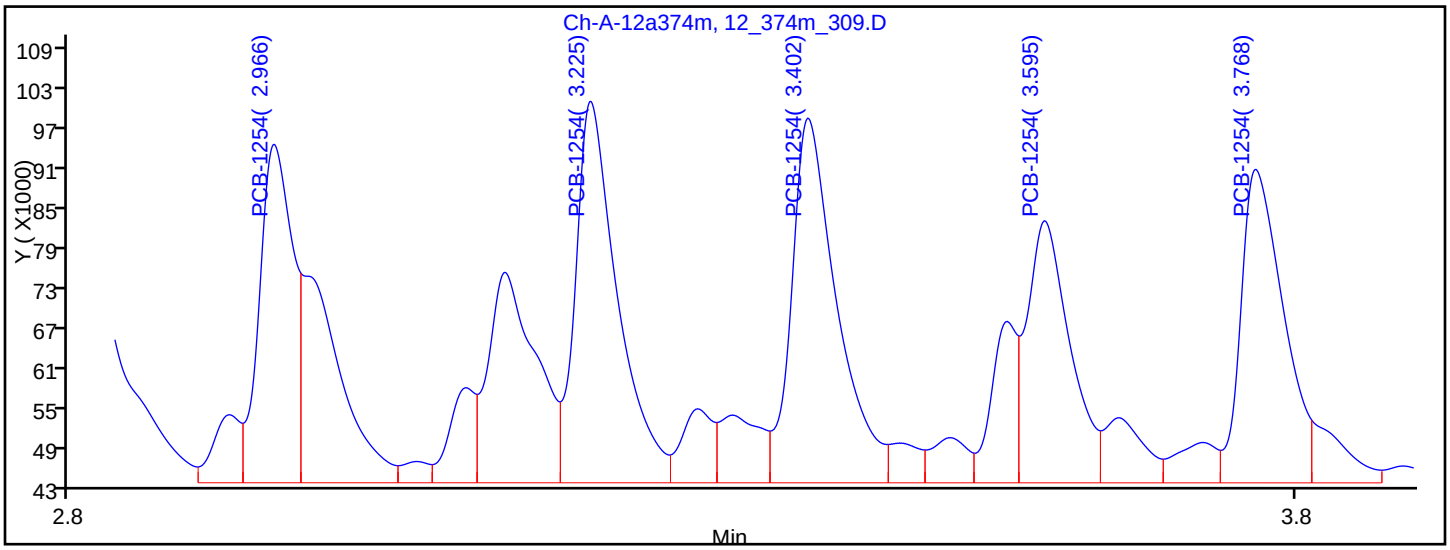
Injection Date:	08-Oct-2016 13:47:10	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

2.966	Response = 168109
3.225	Response = 137907
3.402	Response = 142551
3.595	Response = 96140
3.768	Response = 132522



Manual Integration Results

2.966	Response = 96841	M
3.225	Response = 137907	
3.402	Response = 142551	
3.595	Response = 96140	
3.768	Response = 114772	M

Reviewer: owenj, 10-Oct-2016 09:40:27

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/5 Calibration Date: 10/08/2016 13:47

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:12

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 20:12

Lab File ID: 12_374m_309.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Ave	0.0136	0.0114		0.418	0.500	-16.3	20.0
PCB-1221 Peak 2	Ave	0.0123	0.0105		0.427	0.500	-14.7	20.0
PCB-1221 Peak 3	Ave	0.0377	0.0352		0.466	0.500	-6.7	20.0
PCB-1254 Peak 1	Ave	0.0607	0.0645		0.532	0.500	6.4	20.0
PCB-1254 Peak 2	Ave	0.0365	0.0382		0.524	0.500	4.7	20.0
PCB-1254 Peak 3	Ave	0.0902	0.1045		0.579	0.500	15.8	20.0
PCB-1254 Peak 4	Ave	0.0996	0.1042		0.523	0.500	4.7	20.0
PCB-1254 Peak 5	Ave	0.0663	0.0721		0.543	0.500	8.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/5 Calibration Date: 10/08/2016 13:47

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:12

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 20:12

Lab File ID: 12_374m_309.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.90	1.87	1.93
PCB-1221 Peak 2	2.39	2.36	2.42
PCB-1221 Peak 3	2.54	2.51	2.57
PCB-1254 Peak 1	4.05	4.02	4.08
PCB-1254 Peak 2	4.36	4.33	4.39
PCB-1254 Peak 3	4.45	4.42	4.48
PCB-1254 Peak 4	4.59	4.56	4.62
PCB-1254 Peak 5	5.02	4.99	5.05

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_309.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 13:47:10 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:50:45 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:50:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1287820	0.5000	0.5000	
2	1.581	1.581	0.000	1043693	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.357	1.357	0.000	19321	0.5000	0.5259	
1	1.666	1.666	0.000	13882	0.5000	0.4935	
1	1.739	1.739	0.000	63566	0.5000	0.5283	
		Average of Peak Amounts =				0.5159	
2	1.901	1.901	0.000	11847	0.5000	0.4184	
2	2.393	2.393	0.000	10970	0.5000	0.4267	
2	2.543	2.543	0.000	36741	0.5000	0.4663	
		Average of Peak Amounts =				0.4371	
						RPD = 16.53	
11 PCB-1254							M
1	2.966	2.966	0.000	96841	0.5000	0.5304	M
1	3.225	3.225	0.000	137907	0.5000	0.5639	
1	3.402	3.402	0.000	142551	0.5000	0.5729	
1	3.595	3.595	0.000	96140	0.5000	0.5907	
1	3.768	3.768	0.000	114772	0.5000	0.5010	M
		Average of Peak Amounts =				0.5518	
2	4.054	4.054	0.000	67331	0.5000	0.5318	
2	4.364	4.364	0.000	39861	0.5000	0.5236	
2	4.452	4.452	0.000	109076	0.5000	0.5792	
2	4.585	4.585	0.000	108776	0.5000	0.5234	
2	5.021	5.021	0.000	75224	0.5000	0.5432	
		Average of Peak Amounts =				0.5402	
						RPD = 2.12	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54+IS CCV_00002 Amount Added: 1.00 Units: mL

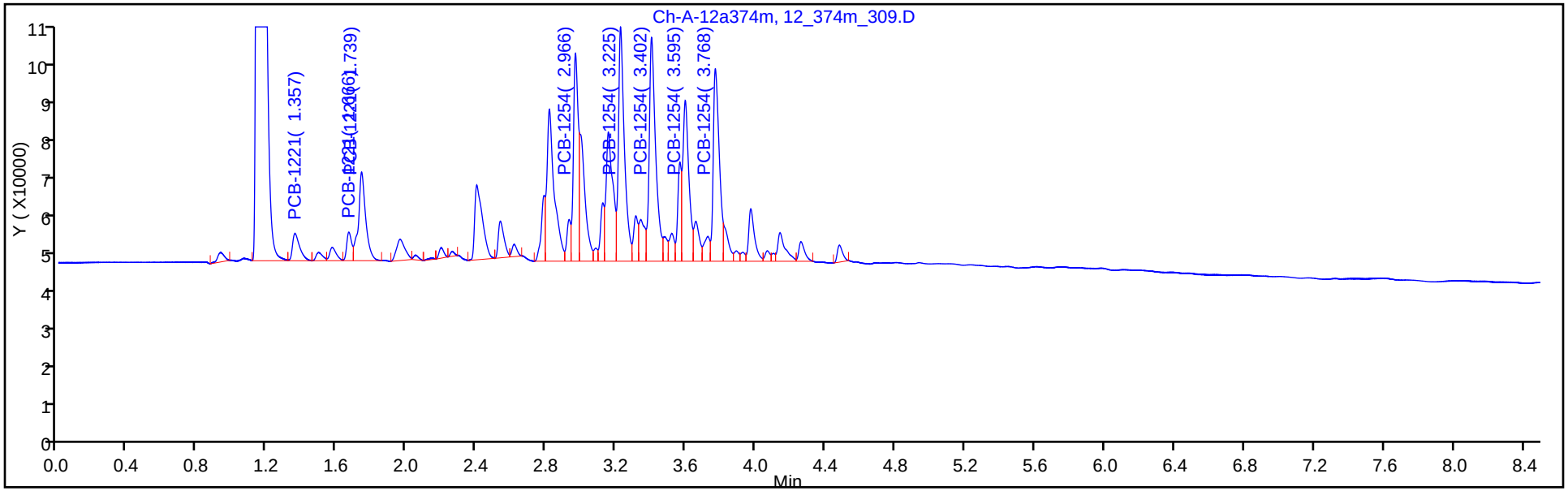
Report Date: 10-Oct-2016 12:50:46 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

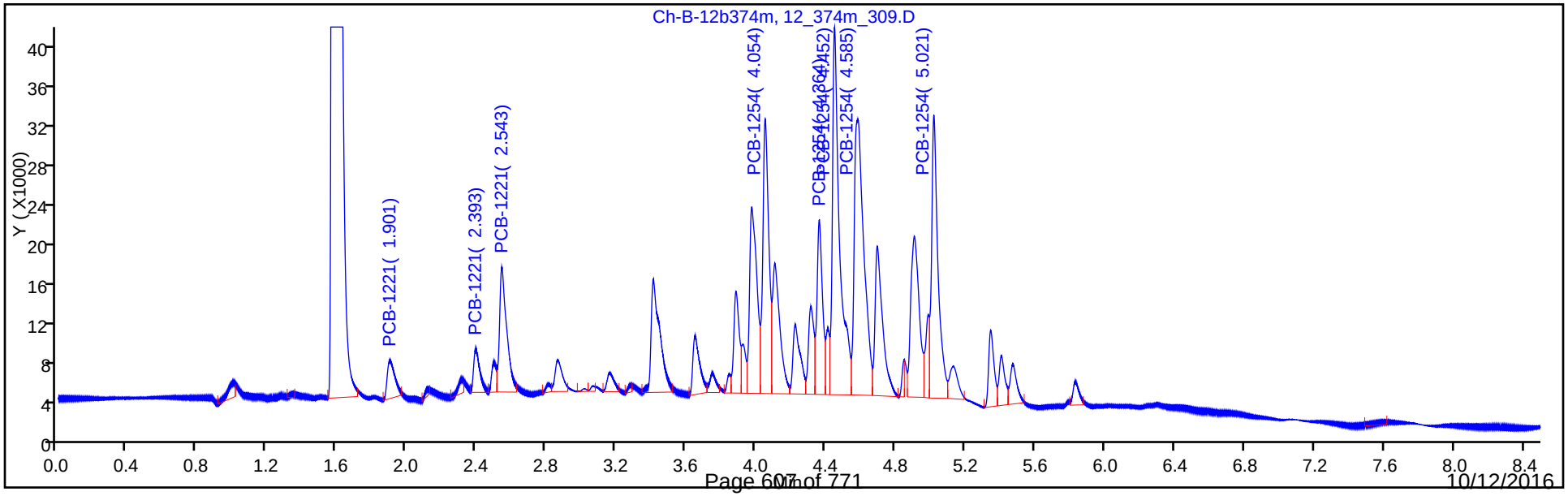
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_309.D

Injection Date:	08-Oct-2016 13:47:10	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/6 Calibration Date: 10/08/2016 14:02

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 20:43

Lab File ID: 12_374m_310.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0396	0.0377		0.476	0.500	-4.9	20.0
PCB-1232 Peak 2	Ave	0.0324	0.0358		0.553	0.500	10.5	20.0
PCB-1232 Peak 3	Ave	0.0160	0.0172		0.538	0.500	7.5	20.0
PCB-1232 Peak 4	Ave	0.0419	0.0434		0.517	0.500	3.4	20.0
PCB-1232 Peak 5	Ave	0.0185	0.0197		0.533	0.500	6.6	20.0
PCB-1262 Peak 1	Ave	0.0725	0.0794		0.548	0.500	9.5	20.0
PCB-1262 Peak 2	Ave	0.0564	0.0619		0.549	0.500	9.9	20.0
PCB-1262 Peak 3	Ave	0.1547	0.1741		0.563	0.500	12.5	20.0
PCB-1262 Peak 4	Ave	0.0509	0.0568		0.558	0.500	11.6	20.0
PCB-1262 Peak 5	Ave	0.0862	0.0966		0.561	0.500	12.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/6 Calibration Date: 10/08/2016 14:02

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:43

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 20:43

Lab File ID: 12_374m_310.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.74	1.71	1.77
PCB-1232 Peak 2	1.95	1.92	1.98
PCB-1232 Peak 3	2.05	2.02	2.08
PCB-1232 Peak 4	2.19	2.16	2.22
PCB-1232 Peak 5	2.26	2.23	2.29
PCB-1262 Peak 1	3.89	3.86	3.92
PCB-1262 Peak 2	4.06	4.03	4.09
PCB-1262 Peak 3	4.26	4.23	4.29
PCB-1262 Peak 4	4.54	4.51	4.57
PCB-1262 Peak 5	4.58	4.55	4.61

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_310.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 14:02:32 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:05 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:05

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1289456	0.5000	0.5000	
2	1.581	1.581	0.000	1037237	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	1.739	1.739	0.000	48551	0.5000	0.4757	
1	1.953	1.953	0.000	46137	0.5000	0.5526	
1	2.049	2.049	0.000	22186	0.5000	0.5376	
1	2.194	2.194	0.000	55915	0.5000	0.5172	
1	2.257	2.257	0.000	25434	0.5000	0.5330	
		Average of Peak Amounts =				0.5232	
2	2.544	2.544	0.000	29874	0.5000	0.4642	
2	2.860	2.860	0.000	25714	0.5000	0.4400	
2	3.161	3.161	0.000	38833	0.5000	0.4688	
2	3.281	3.281	0.000	14547	0.5000	0.3921	
2	3.655	3.655	0.000	18960	0.5000	0.4911	
		Average of Peak Amounts =				0.4512	
						RPD = 14.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	3.890	3.890	0.000	102353	0.5000	0.5476	
1	4.064	4.064	0.000	79873	0.5000	0.5494	
1	4.256	4.256	0.000	224446	0.5000	0.5625	
1	4.541	4.541	0.000	73182	0.5000	0.5578	
1	4.577	4.577	0.000	124565	0.5000	0.5606	
		Average of Peak Amounts =				0.5556	
2	5.067	5.067	0.000	81576	0.5000	0.5378	
2	5.339	5.339	0.000	65724	0.5000	0.5225	
2	5.469	5.469	0.000	164589	0.5000	0.5273	
2	5.787	5.787	0.000	56567	0.5000	0.5008	
2	5.829	5.829	0.000	125556	0.5000	0.5391	
		Average of Peak Amounts =				0.5255	
						RPD = 5.57	

Reagents:

32-62+IS CCV_00002 Amount Added: 1.00 Units: mL

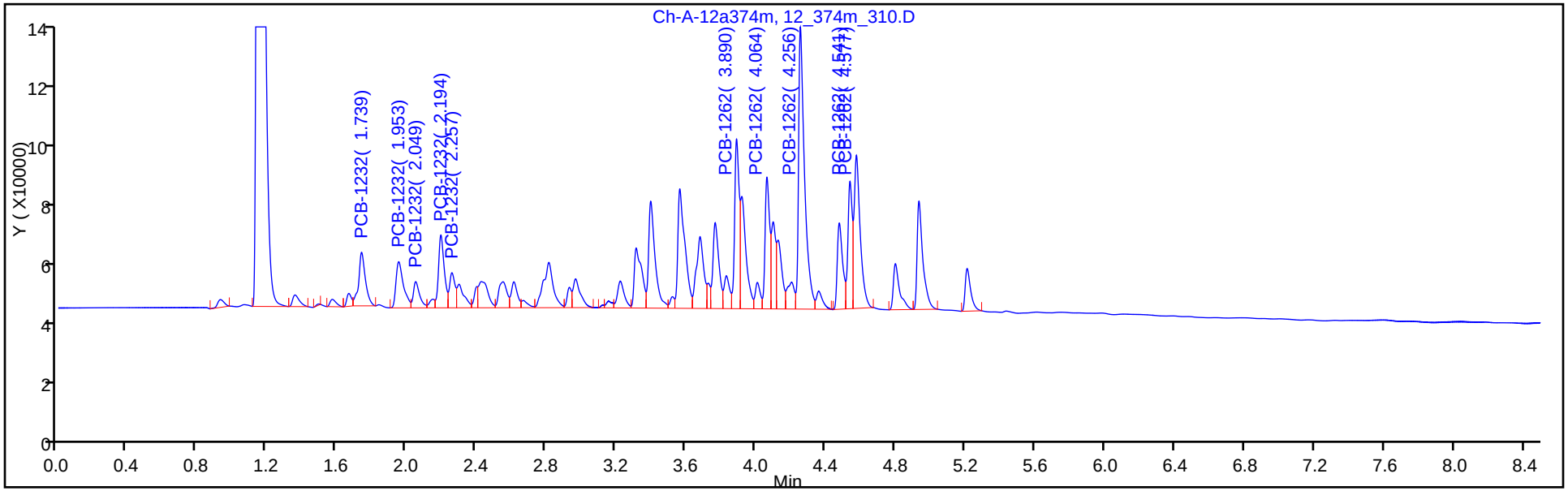
Report Date: 10-Oct-2016 12:51:06 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

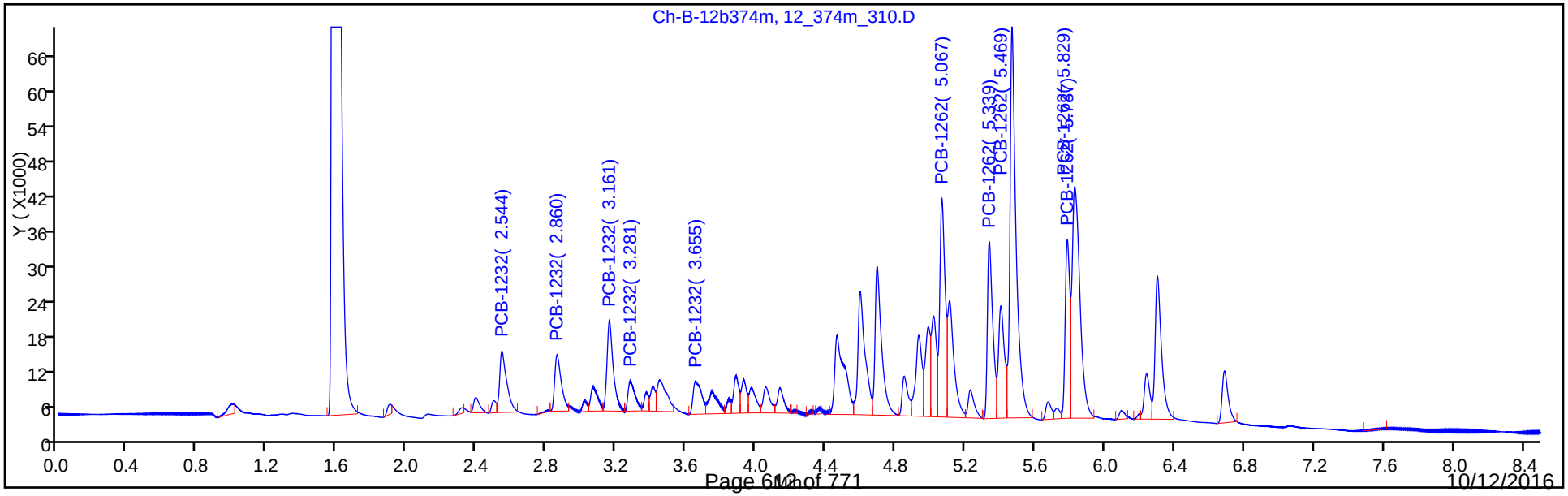
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_310.D

Injection Date:	08-Oct-2016 14:02:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/6 Calibration Date: 10/08/2016 14:02

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 20:43

Lab File ID: 12_374m_310.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Ave	0.0310	0.0288		0.464	0.500	-7.2	20.0
PCB-1232 Peak 2	Ave	0.0282	0.0248		0.440	0.500	-12.0	20.0
PCB-1232 Peak 3	Ave	0.0399	0.0374		0.469	0.500	-6.2	20.0
PCB-1232 Peak 4	Ave	0.0179	0.0140		0.392	0.500	-21.6*	20.0
PCB-1232 Peak 5	Ave	0.0186	0.0183		0.491	0.500	-1.8	20.0
PCB-1262 Peak 1	Ave	0.0731	0.0787		0.538	0.500	7.6	20.0
PCB-1262 Peak 2	Ave	0.0606	0.0634		0.523	0.500	4.5	20.0
PCB-1262 Peak 3	Ave	0.1505	0.1587		0.527	0.500	5.5	20.0
PCB-1262 Peak 4	Ave	0.0545	0.0545		0.501	0.500	0.2	20.0
PCB-1262 Peak 5	Ave	0.1123	0.1211		0.539	0.500	7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/6 Calibration Date: 10/08/2016 14:02

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 20:43

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 20:43

Lab File ID: 12_374m_310.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.54	2.51	2.57
PCB-1232 Peak 2	2.86	2.83	2.89
PCB-1232 Peak 3	3.16	3.13	3.19
PCB-1232 Peak 4	3.28	3.25	3.31
PCB-1232 Peak 5	3.66	3.63	3.69
PCB-1262 Peak 1	5.07	5.04	5.10
PCB-1262 Peak 2	5.34	5.31	5.37
PCB-1262 Peak 3	5.47	5.44	5.50
PCB-1262 Peak 4	5.79	5.76	5.82
PCB-1262 Peak 5	5.83	5.80	5.86

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_310.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 14:02:32 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:05 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:05

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1289456	0.5000	0.5000	
2	1.581	1.581	0.000	1037237	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	1.739	1.739	0.000	48551	0.5000	0.4757	
1	1.953	1.953	0.000	46137	0.5000	0.5526	
1	2.049	2.049	0.000	22186	0.5000	0.5376	
1	2.194	2.194	0.000	55915	0.5000	0.5172	
1	2.257	2.257	0.000	25434	0.5000	0.5330	
		Average of Peak Amounts =				0.5232	
2	2.544	2.544	0.000	29874	0.5000	0.4642	
2	2.860	2.860	0.000	25714	0.5000	0.4400	
2	3.161	3.161	0.000	38833	0.5000	0.4688	
2	3.281	3.281	0.000	14547	0.5000	0.3921	
2	3.655	3.655	0.000	18960	0.5000	0.4911	
		Average of Peak Amounts =				0.4512	
						RPD = 14.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	3.890	3.890	0.000	102353	0.5000	0.5476	
1	4.064	4.064	0.000	79873	0.5000	0.5494	
1	4.256	4.256	0.000	224446	0.5000	0.5625	
1	4.541	4.541	0.000	73182	0.5000	0.5578	
1	4.577	4.577	0.000	124565	0.5000	0.5606	
		Average of Peak Amounts =				0.5556	
2	5.067	5.067	0.000	81576	0.5000	0.5378	
2	5.339	5.339	0.000	65724	0.5000	0.5225	
2	5.469	5.469	0.000	164589	0.5000	0.5273	
2	5.787	5.787	0.000	56567	0.5000	0.5008	
2	5.829	5.829	0.000	125556	0.5000	0.5391	
		Average of Peak Amounts =				0.5255	
						RPD = 5.57	

Reagents:

32-62+IS CCV_00002 Amount Added: 1.00 Units: mL

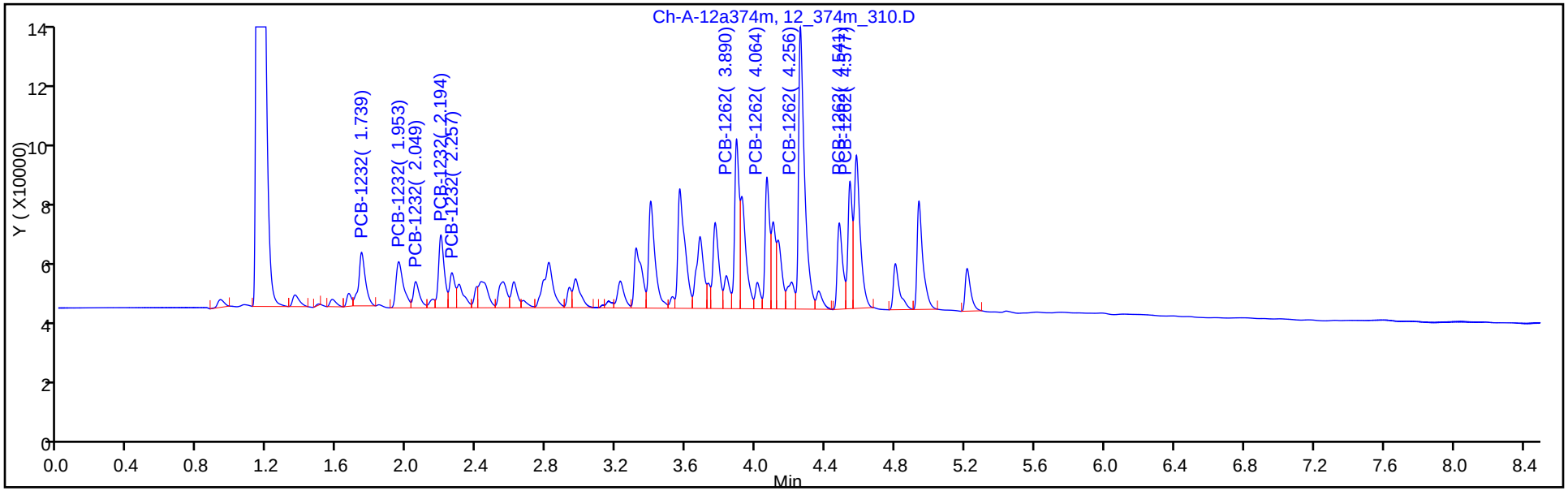
Report Date: 10-Oct-2016 12:51:07 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

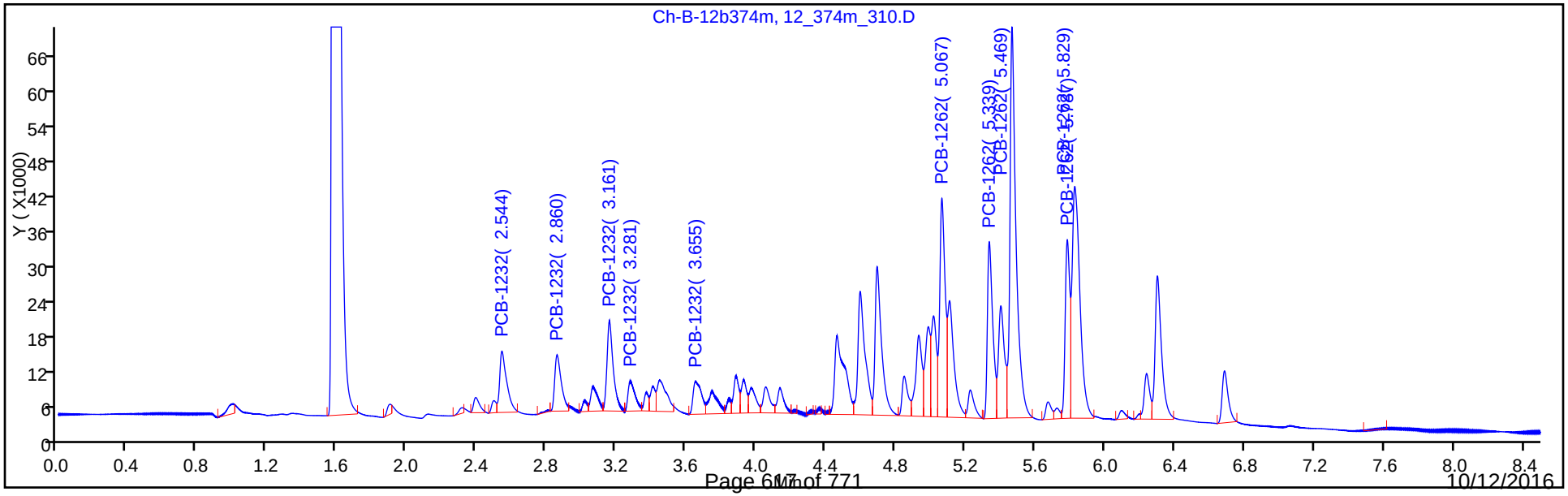
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_310.D

Injection Date:	08-Oct-2016 14:02:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/7 Calibration Date: 10/08/2016 14:17

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 21:14

Lab File ID: 12_374m_311.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0743	0.0724		0.487	0.500	-2.5	20.0
PCB-1242 Peak 2	Ave	0.0311	0.0297		0.478	0.500	-4.4	20.0
PCB-1242 Peak 3	Ave	0.0407	0.0337		0.414	0.500	-17.3	20.0
PCB-1242 Peak 4	Ave	0.0299	0.0224		0.374	0.500	-25.2*	20.0
PCB-1242 Peak 5	Ave	0.0462	0.0411		0.445	0.500	-11.0	20.0
PCB-1268 Peak 1	Ave	0.1230	0.1465		0.595	0.500	19.1	20.0
PCB-1268 Peak 2	Ave	0.2217	0.2695		0.608	0.500	21.5*	20.0
PCB-1268 Peak 3	Ave	0.1320	0.1571		0.595	0.500	19.0	20.0
PCB-1268 Peak 4	Ave	0.0621	0.0721		0.580	0.500	16.0	20.0
PCB-1268 Peak 5	Ave	0.4722	0.5618		0.595	0.500	19.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/7 Calibration Date: 10/08/2016 14:17

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:14

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 21:14

Lab File ID: 12_374m_311.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.19	2.16	2.22
PCB-1242 Peak 2	2.26	2.23	2.29
PCB-1242 Peak 3	2.55	2.52	2.58
PCB-1242 Peak 4	2.61	2.58	2.64
PCB-1242 Peak 5	2.81	2.78	2.84
PCB-1268 Peak 1	4.54	4.51	4.57
PCB-1268 Peak 2	4.57	4.54	4.60
PCB-1268 Peak 3	4.79	4.76	4.82
PCB-1268 Peak 4	4.94	4.91	4.97
PCB-1268 Peak 5	5.21	5.18	5.24

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_311.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 14:17:54 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:25 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:25

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1289634	0.5000	0.5000	
2	1.581	1.581	0.000	1042380	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.193	2.193	0.000	93417	0.5000	0.4875	
1	2.256	2.256	0.000	38357	0.5000	0.4779	
1	2.549	2.549	0.000	43398	0.5000	0.4137	
1	2.612	2.612	0.000	28845	0.5000	0.3740	
1	2.807	2.807	0.000	52984	0.5000	0.4449	
		Average of Peak Amounts =				0.4396	
2	3.159	3.159	0.000	75961	0.5000	0.5409	
2	3.279	3.279	0.000	30001	0.5000	0.5013	
2	3.448	3.448	0.000	48204	0.5000	0.5250	
2	3.653	3.653	0.000	37592	0.5000	0.5305	
2	3.886	3.886	0.000	27944	0.5000	0.5190	
		Average of Peak Amounts =				0.5233	
						RPD = 17.40	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	4.539	4.539	0.000	188891	0.5000	0.5953	
1	4.574	4.574	0.000	347524	0.5000	0.6077	
1	4.791	4.791	0.000	202579	0.5000	0.5952	
1	4.935	4.935	0.000	92922	0.5000	0.5800	
1	5.208	5.208	0.000	724570	0.5000	0.5949	
		Average of Peak Amounts =				0.5946	
2	5.783	5.783	0.000	139989	0.5000	0.5418	
2	5.824	5.824	0.000	238162	0.5000	0.5743	
2	6.095	6.095	0.000	159186	0.5000	0.5410	
2	6.303	6.303	0.000	66752	0.5000	0.5544	
2	6.683	6.683	0.000	560840	0.5000	0.5621	
		Average of Peak Amounts =				0.5547	
						RPD = 6.94	

Reagents:

42-68+IS CCV_00002 Amount Added: 1.00 Units: mL

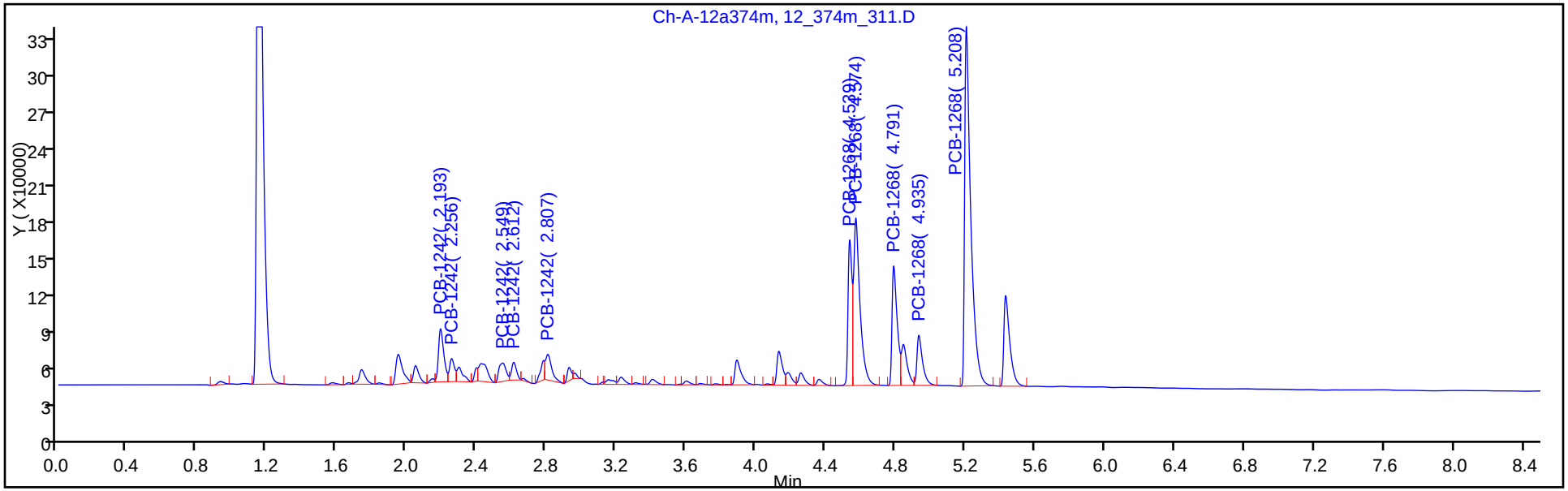
Report Date: 10-Oct-2016 12:51:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

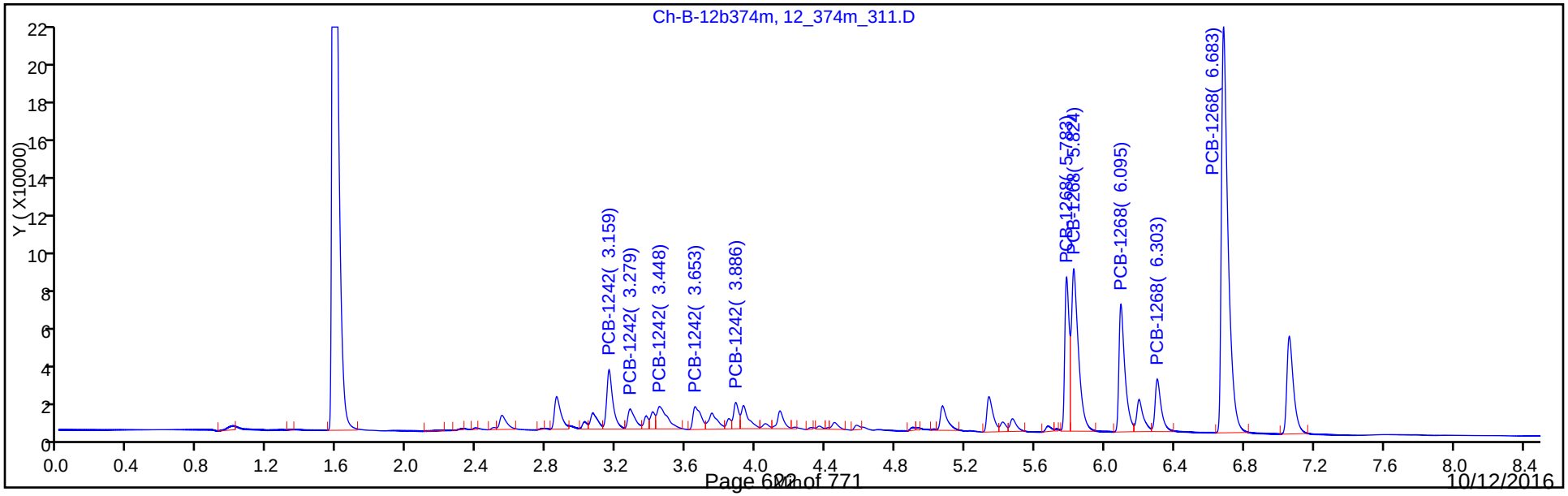
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_311.D

Injection Date:	08-Oct-2016 14:17:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/7 Calibration Date: 10/08/2016 14:17

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 21:14

Lab File ID: 12_374m_311.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0674	0.0729		0.541	0.500	8.2	20.0
PCB-1242 Peak 2	Ave	0.0287	0.0288		0.501	0.500	0.3	20.0
PCB-1242 Peak 3	Ave	0.0440	0.0462		0.525	0.500	5.0	20.0
PCB-1242 Peak 4	Ave	0.0340	0.0361		0.530	0.500	6.1	20.0
PCB-1242 Peak 5	Ave	0.0258	0.0268		0.519	0.500	3.8	20.0
PCB-1268 Peak 1	Ave	0.1239	0.1343		0.542	0.500	8.4	20.0
PCB-1268 Peak 2	Ave	0.1989	0.2285		0.574	0.500	14.9	20.0
PCB-1268 Peak 3	Ave	0.1411	0.1527		0.541	0.500	8.2	20.0
PCB-1268 Peak 4	Ave	0.0578	0.0640		0.554	0.500	10.9	20.0
PCB-1268 Peak 5	Ave	0.4786	0.5380		0.562	0.500	12.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/7 Calibration Date: 10/08/2016 14:17

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:14

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 21:14

Lab File ID: 12_374m_311.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.16	3.13	3.19
PCB-1242 Peak 2	3.28	3.25	3.31
PCB-1242 Peak 3	3.45	3.42	3.48
PCB-1242 Peak 4	3.65	3.62	3.68
PCB-1242 Peak 5	3.89	3.86	3.92
PCB-1268 Peak 1	5.78	5.75	5.81
PCB-1268 Peak 2	5.82	5.79	5.85
PCB-1268 Peak 3	6.10	6.07	6.13
PCB-1268 Peak 4	6.30	6.27	6.33
PCB-1268 Peak 5	6.68	6.65	6.71

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_311.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 14:17:54 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:25 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:25

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.149	0.000	1289634	0.5000	0.5000	
2	1.581	1.581	0.000	1042380	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.193	2.193	0.000	93417	0.5000	0.4875	
1	2.256	2.256	0.000	38357	0.5000	0.4779	
1	2.549	2.549	0.000	43398	0.5000	0.4137	
1	2.612	2.612	0.000	28845	0.5000	0.3740	
1	2.807	2.807	0.000	52984	0.5000	0.4449	
		Average of Peak Amounts =				0.4396	
2	3.159	3.159	0.000	75961	0.5000	0.5409	
2	3.279	3.279	0.000	30001	0.5000	0.5013	
2	3.448	3.448	0.000	48204	0.5000	0.5250	
2	3.653	3.653	0.000	37592	0.5000	0.5305	
2	3.886	3.886	0.000	27944	0.5000	0.5190	
		Average of Peak Amounts =				0.5233	
						RPD = 17.40	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	4.539	4.539	0.000	188891	0.5000	0.5953	
1	4.574	4.574	0.000	347524	0.5000	0.6077	
1	4.791	4.791	0.000	202579	0.5000	0.5952	
1	4.935	4.935	0.000	92922	0.5000	0.5800	
1	5.208	5.208	0.000	724570	0.5000	0.5949	
		Average of Peak Amounts =				0.5946	
2	5.783	5.783	0.000	139989	0.5000	0.5418	
2	5.824	5.824	0.000	238162	0.5000	0.5743	
2	6.095	6.095	0.000	159186	0.5000	0.5410	
2	6.303	6.303	0.000	66752	0.5000	0.5544	
2	6.683	6.683	0.000	560840	0.5000	0.5621	
		Average of Peak Amounts =				0.5547	
						RPD = 6.94	

Reagents:

42-68+IS CCV_00002 Amount Added: 1.00 Units: mL

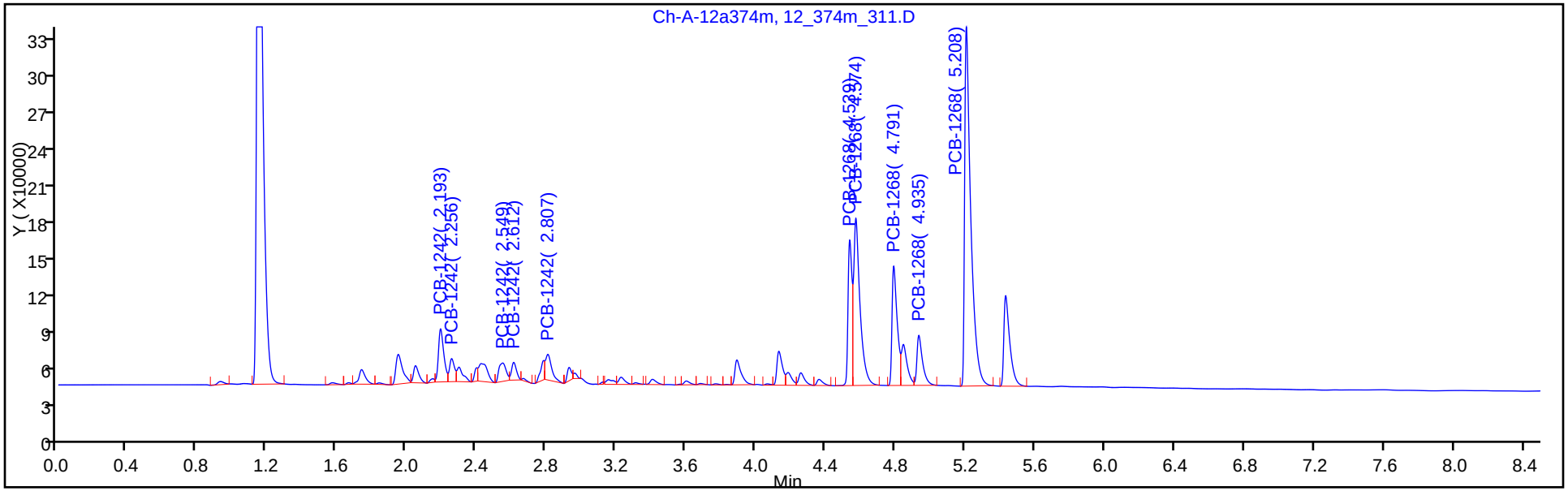
Report Date: 10-Oct-2016 12:51:26 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

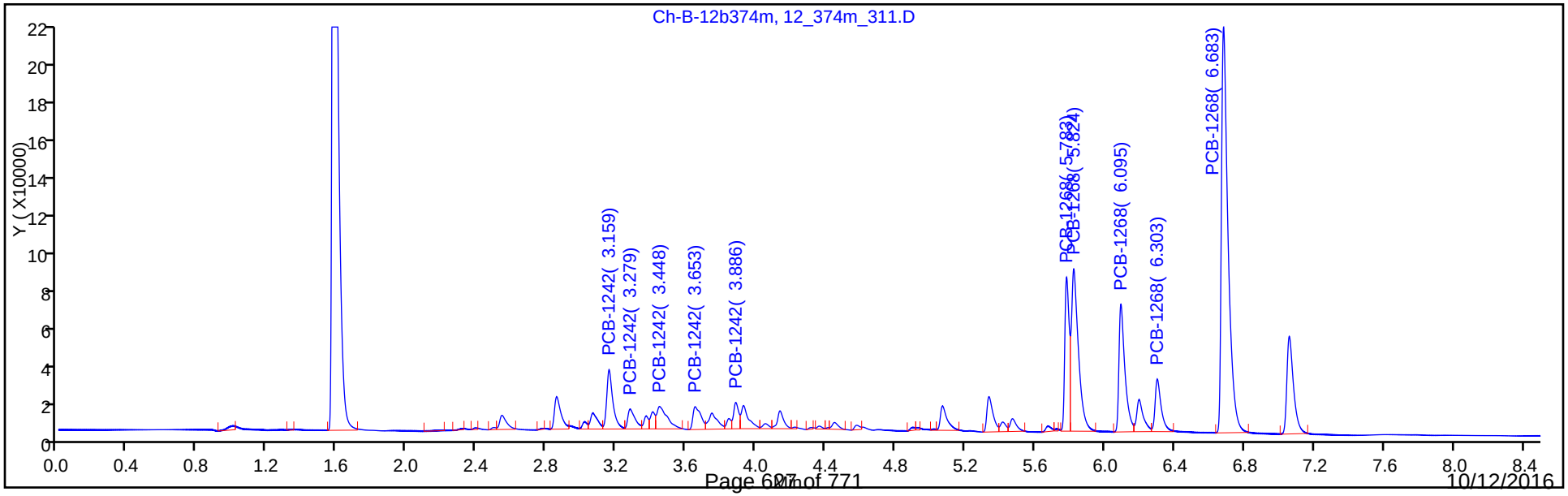
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_311.D

Injection Date:	08-Oct-2016 14:17:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/8 Calibration Date: 10/08/2016 14:33

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:44

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 21:44

Lab File ID: 12_374m_312.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0687	0.0718		0.522	0.500	4.5	20.0
PCB-1248 Peak 2	Ave	0.0594	0.0593		0.499	0.500	-0.2	20.0
PCB-1248 Peak 3	Ave	0.0462	0.0477		0.516	0.500	3.1	20.0
PCB-1248 Peak 4	Ave	0.0853	0.0927		0.544	0.500	8.8	20.0
PCB-1248 Peak 5	Ave	0.0323	0.0410		0.634	0.500	26.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/8 Calibration Date: 10/08/2016 14:33

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:44

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/04/2016 21:44

Lab File ID: 12_374m_312.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.42	2.39	2.45
PCB-1248 Peak 2	2.54	2.51	2.57
PCB-1248 Peak 3	2.61	2.58	2.64
PCB-1248 Peak 4	2.81	2.78	2.84
PCB-1248 Peak 5	2.96	2.93	2.99

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_312.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 14:33:13 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.148	1.148	0.000	1274451	0.5000	0.5000	
2	1.580	1.580	0.000	1035591	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.422	2.422	0.000	91482	0.5000	0.5223	M
1	2.537	2.537	0.000	75602	0.5000	0.4990	M
1	2.611	2.611	0.000	60771	0.5000	0.5156	M
1	2.807	2.807	0.000	118185	0.5000	0.5439	M
1	2.964	2.964	0.000	52240	0.5000	0.6338	M
		Average of Peak Amounts =				0.5429	
2	3.447	3.447	0.000	77221	0.5000	0.5626	M
2	3.649	3.649	0.000	54592	0.5000	0.5412	M
2	3.748	3.748	0.000	47902	0.5000	0.5510	M
2	3.885	3.885	0.000	51725	0.5000	0.5351	M
2	4.137	4.137	0.000	49640	0.5000	0.5414	M
		Average of Peak Amounts =				0.5463	
						RPD = 0.61	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248+IS CCV_00002 Amount Added: 1.00 Units: mL

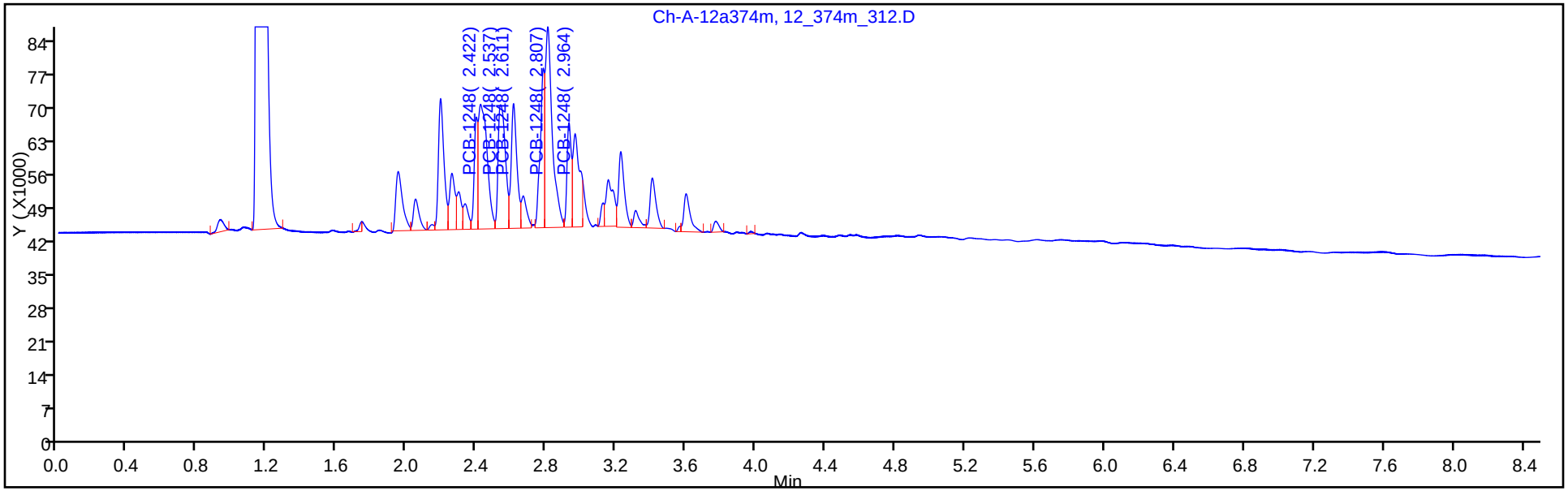
Report Date: 10-Oct-2016 12:51:44 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

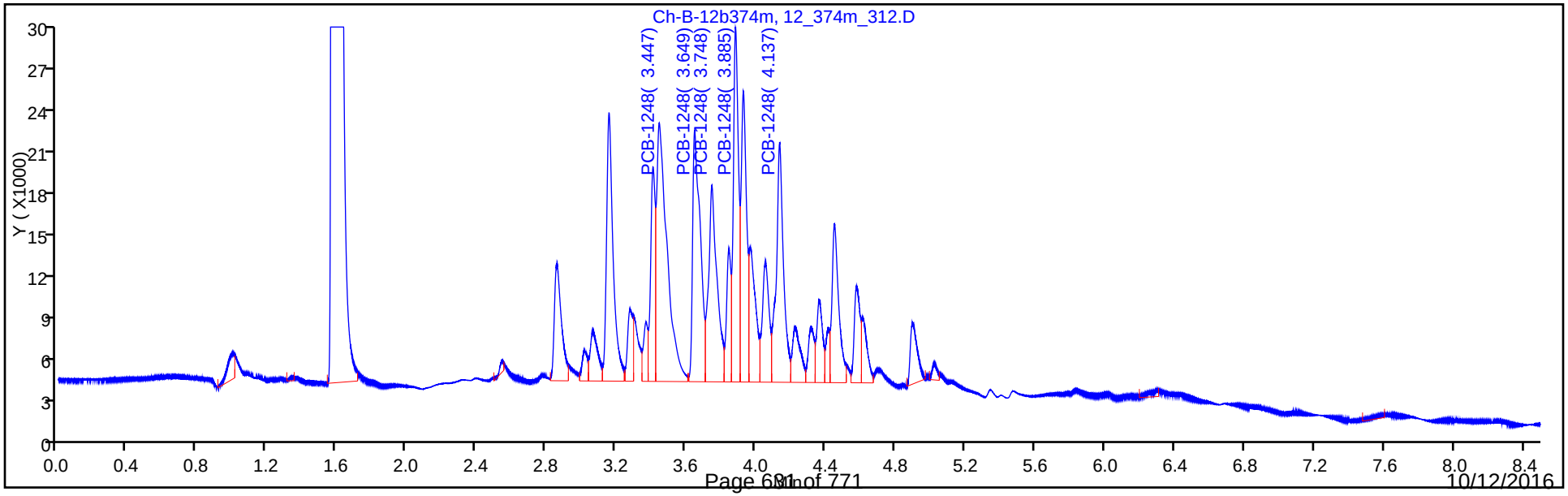
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_312.D

Injection Date:	08-Oct-2016 14:33:13	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



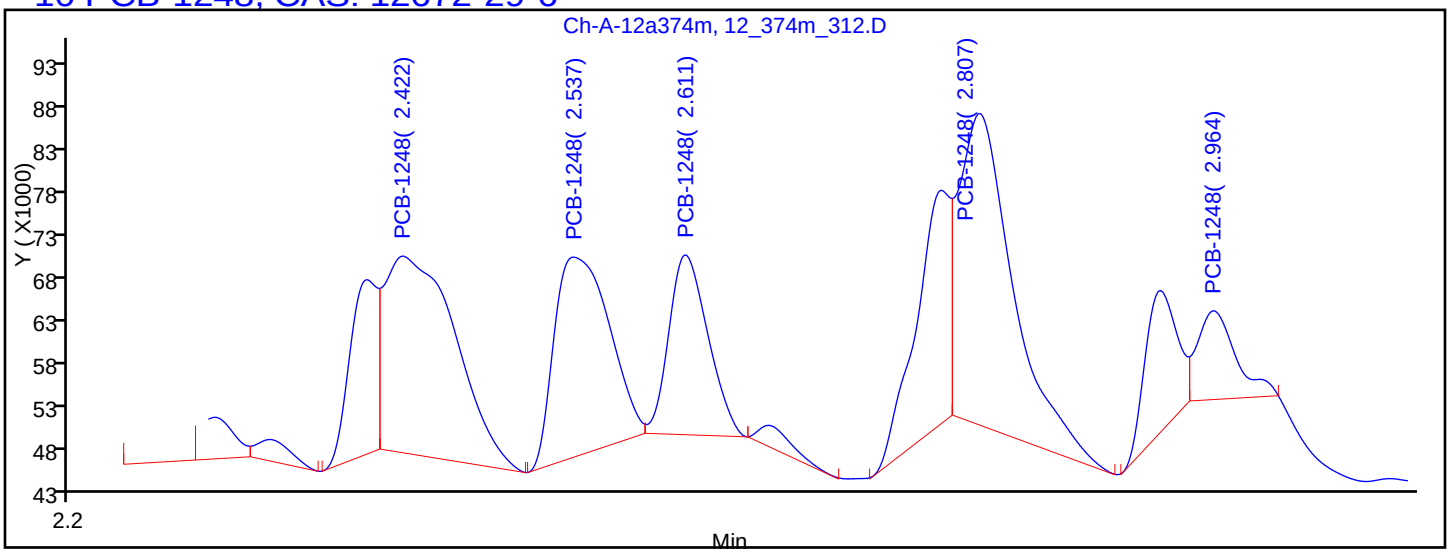
Report Date: 10-Oct-2016 12:51:44 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_312.D

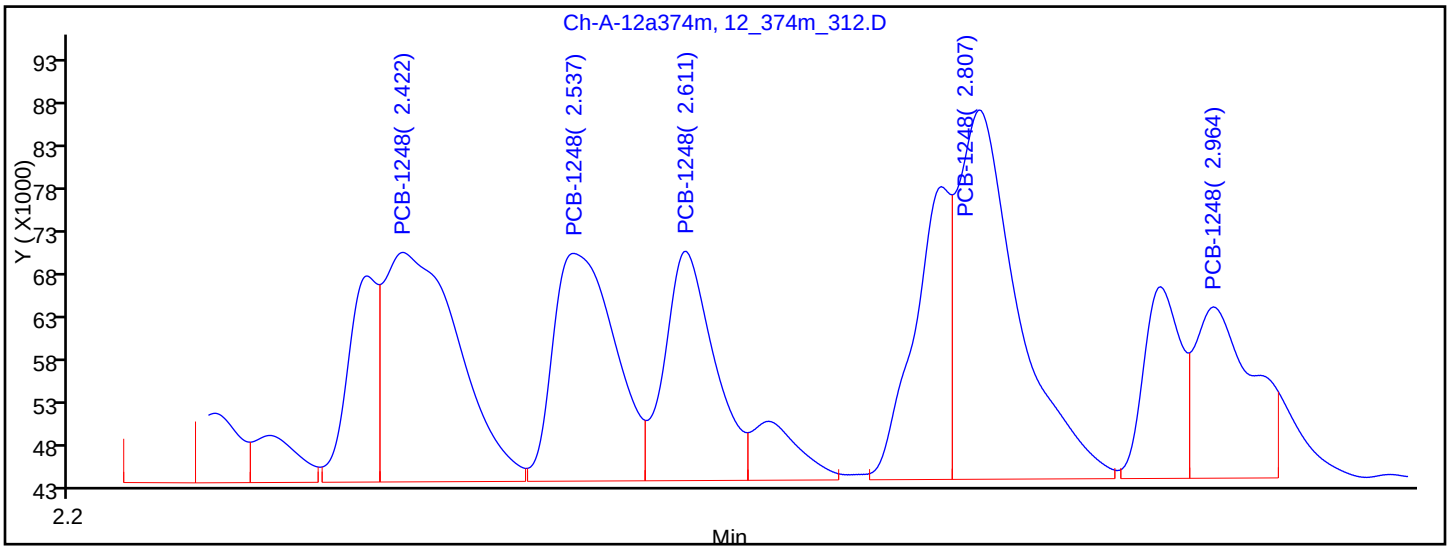
Injection Date:	08-Oct-2016 14:33:13	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.422	Response = 74820
2.537	Response = 58221
2.611	Response = 37423
2.807	Response = 89709
2.964	Response = 18117



Manual Integration Results

2.422	Response = 91482	M
2.537	Response = 75602	M
2.611	Response = 60771	M
2.807	Response = 118185	M
2.964	Response = 52240	M

Reviewer: owenj, 10-Oct-2016 09:41:21

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/8 Calibration Date: 10/08/2016 14:33

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:44

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 21:44

Lab File ID: 12_374m_312.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0663	0.0746		0.563	0.500	12.5	20.0
PCB-1248 Peak 2	Ave	0.0487	0.0527		0.541	0.500	8.2	20.0
PCB-1248 Peak 3	Ave	0.0420	0.0463		0.551	0.500	10.2	20.0
PCB-1248 Peak 4	Ave	0.0467	0.0500		0.535	0.500	7.0	20.0
PCB-1248 Peak 5	Ave	0.0443	0.0479		0.541	0.500	8.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324559/8 Calibration Date: 10/08/2016 14:33

Instrument ID: HP5890-12 Calib Start Date: 05/04/2016 21:44

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/04/2016 21:44

Lab File ID: 12_374m_312.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.45	3.42	3.48
PCB-1248 Peak 2	3.65	3.62	3.68
PCB-1248 Peak 3	3.75	3.72	3.78
PCB-1248 Peak 4	3.89	3.86	3.92
PCB-1248 Peak 5	4.14	4.11	4.17

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_312.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 08-Oct-2016 14:33:13 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.148	1.148	0.000	1274451	0.5000	0.5000	
2	1.580	1.580	0.000	1035591	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.422	2.422	0.000	91482	0.5000	0.5223	M
1	2.537	2.537	0.000	75602	0.5000	0.4990	M
1	2.611	2.611	0.000	60771	0.5000	0.5156	M
1	2.807	2.807	0.000	118185	0.5000	0.5439	M
1	2.964	2.964	0.000	52240	0.5000	0.6338	M
		Average of Peak Amounts =				0.5429	
2	3.447	3.447	0.000	77221	0.5000	0.5626	M
2	3.649	3.649	0.000	54592	0.5000	0.5412	M
2	3.748	3.748	0.000	47902	0.5000	0.5510	M
2	3.885	3.885	0.000	51725	0.5000	0.5351	M
2	4.137	4.137	0.000	49640	0.5000	0.5414	M
		Average of Peak Amounts =				0.5463	
						RPD = 0.61	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248+IS CCV_00002 Amount Added: 1.00 Units: mL

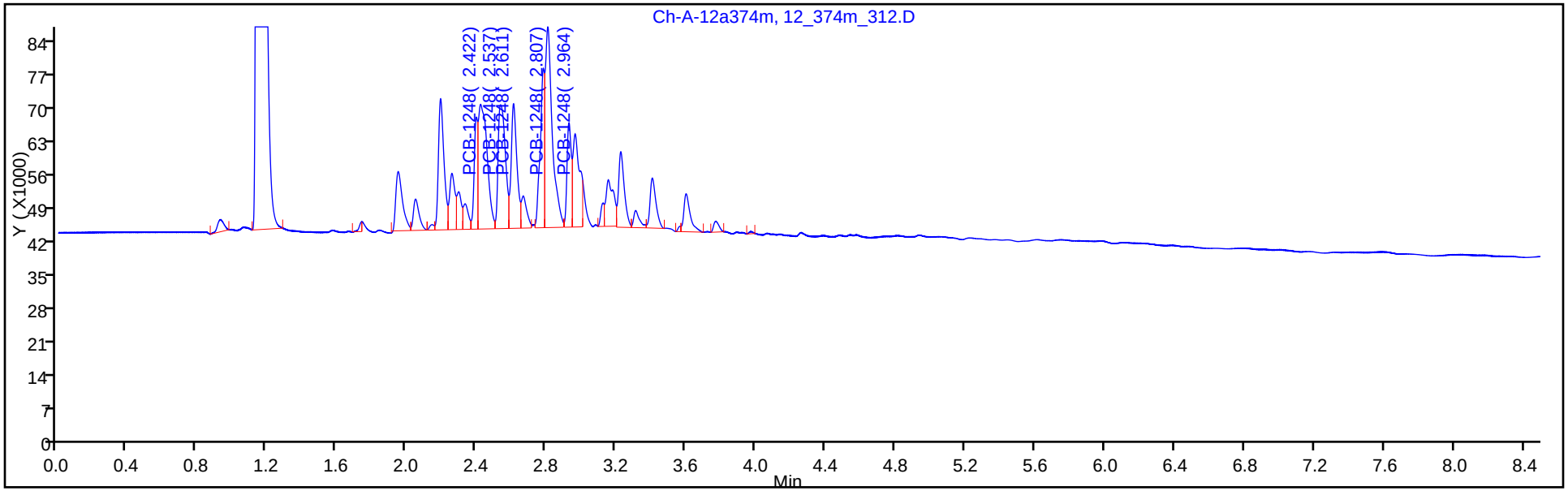
Report Date: 10-Oct-2016 12:51:44 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

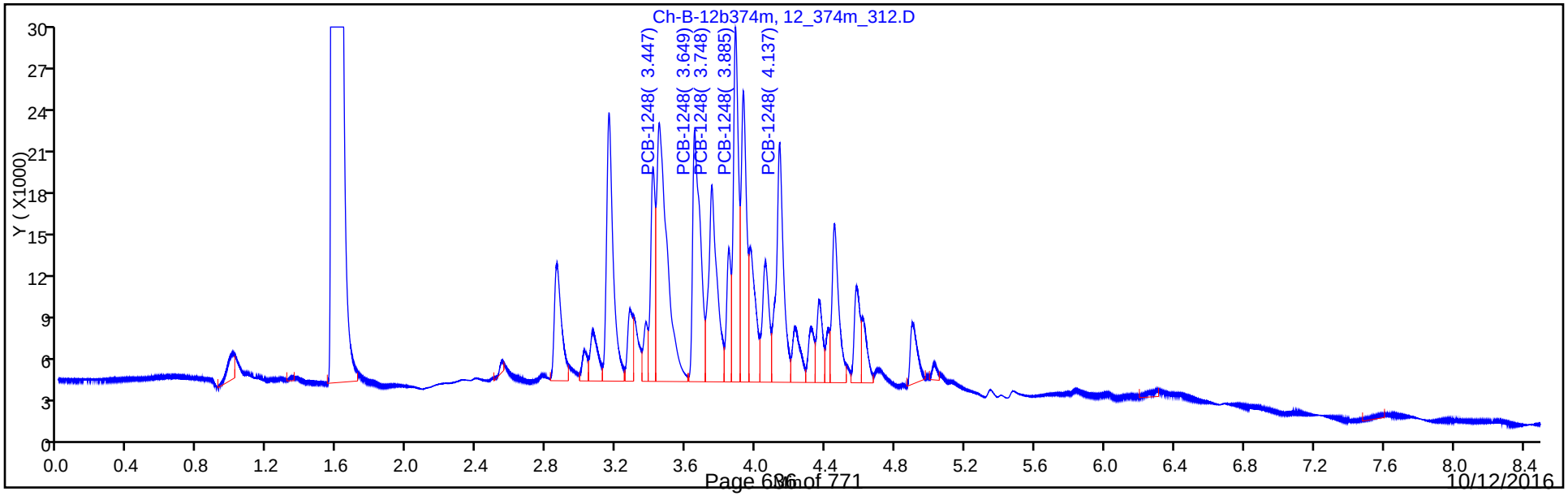
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_312.D

Injection Date:	08-Oct-2016 14:33:13	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 10-Oct-2016 12:51:44 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_312.D

Injection Date: 08-Oct-2016 14:33:13 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

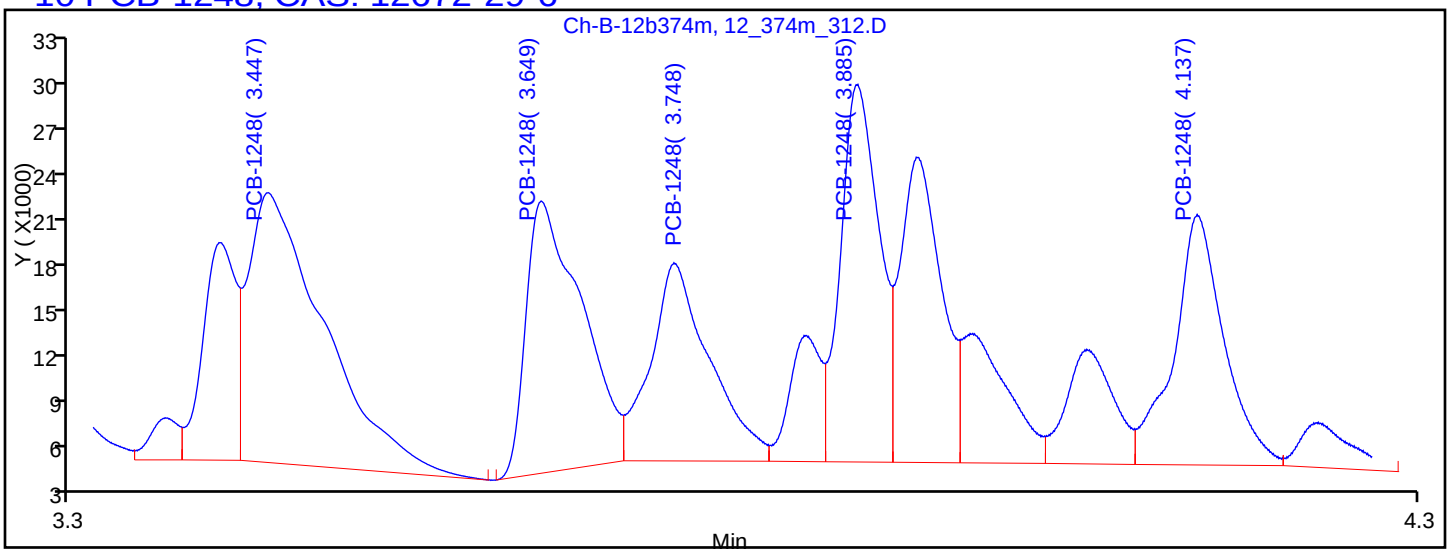
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

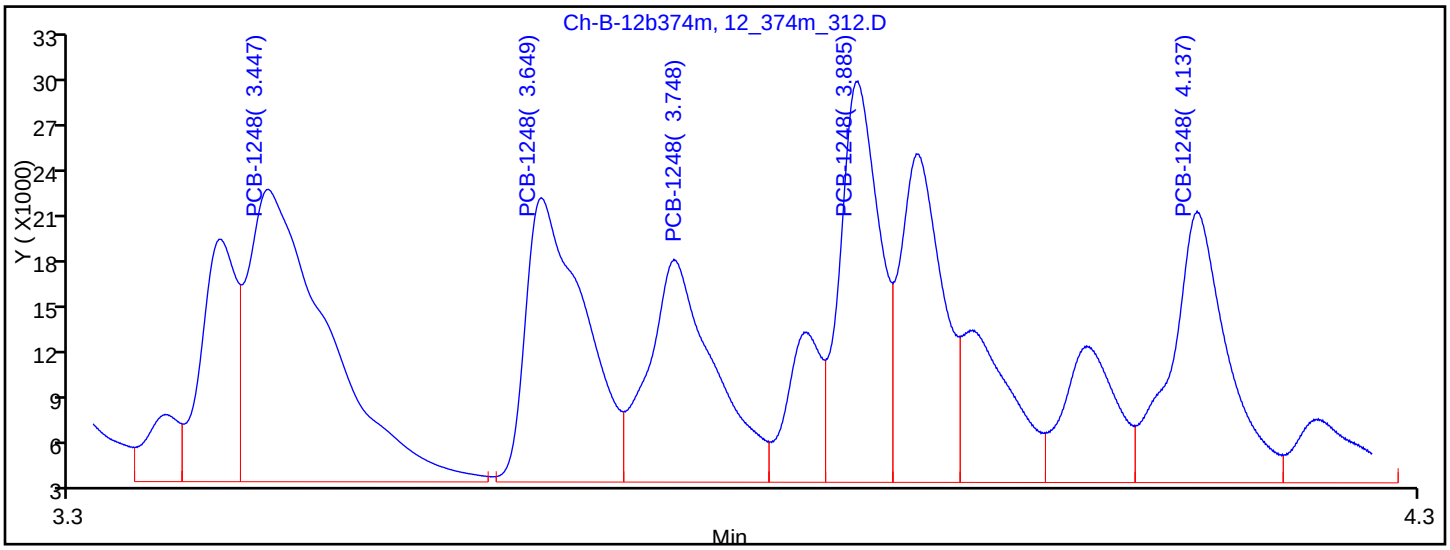
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.447	Response = 66805
3.649	Response = 49245
3.748	Response = 37920
3.885	Response = 47261
4.137	Response = 40938



Manual Integration Results

3.447	Response = 77221	M
3.649	Response = 54592	M
3.748	Response = 47902	M
3.885	Response = 51725	M
4.137	Response = 49640	M

Reviewer: owenj, 10-Oct-2016 09:41:21

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324833/2 Calibration Date: 10/11/2016 00:35

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-212.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0376	0.0324		0.430	0.500	-13.9	20.0
PCB-1016 Peak 2	Lin1		0.0229		0.517	0.500	3.4	20.0
PCB-1016 Peak 3	Ave	0.0867	0.0740		0.427	0.500	-14.6	20.0
PCB-1016 Peak 4	Lin1		0.0284		0.508	0.500	1.5	20.0
PCB-1016 Peak 5	Lin1		0.0198		0.510	0.500	2.0	20.0
PCB-1260 Peak 1	Ave	0.0552	0.0470		0.426	0.500	-14.9	20.0
PCB-1260 Peak 2	Ave	0.0305	0.0263		0.430	0.500	-13.9	20.0
PCB-1260 Peak 3	Ave	0.0280	0.0234		0.418	0.500	-16.4	20.0
PCB-1260 Peak 4	Ave	0.0639	0.0527		0.412	0.500	-17.6	20.0
PCB-1260 Peak 5	Ave	0.0303	0.0249		0.411	0.500	-17.8	20.0
Tetrachloro-m-xylene	Lin1		1.030		0.0289	0.0300	-3.6	20.0
DCB Decachlorobiphenyl	Lin1		0.3819		0.0261	0.0300	-12.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324833/2 Calibration Date: 10/11/2016 00:35

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-212.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.75	2.72	2.78
PCB-1016 Peak 2	2.91	2.88	2.94
PCB-1016 Peak 3	3.12	3.09	3.15
PCB-1016 Peak 4	3.20	3.17	3.23
PCB-1016 Peak 5	3.27	3.24	3.30
PCB-1260 Peak 1	5.01	4.98	5.04
PCB-1260 Peak 2	5.14	5.11	5.17
PCB-1260 Peak 3	5.33	5.30	5.36
PCB-1260 Peak 4	5.54	5.51	5.57
PCB-1260 Peak 5	5.78	5.75	5.81
Tetrachloro-m-xylene	2.14	2.11	2.17
DCB Decachlorobiphenyl	6.89	6.86	6.92

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-212.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Oct-2016 00:35:06 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:18 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 01:00:11

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	43476286	0.5000	0.5000	
2	1.128	1.128	0.000	64356376	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.136	2.136	0.000	2686328	0.0300	0.0289	
2	1.796	1.796	0.000	3595023	0.0300	0.0255	
						RPD = 12.53	
6 PCB-1016							
1	2.748	2.748	0.000	1409134	0.5000	0.4305	
1	2.905	2.905	0.000	995253	0.5000	0.5168	
1	3.115	3.115	0.000	3218817	0.5000	0.4270	
1	3.202	3.202	0.000	1235161	0.5000	0.5076	
1	3.266	3.266	0.000	861659	0.5000	0.5098	
		Average of Peak Amounts =				0.4783	
2	2.571	2.571	0.000	2247257	0.5000	0.4612	
2	2.897	2.897	0.000	4953693	0.5000	0.4909	
2	3.017	3.017	0.000	1881158	0.5000	0.4890	
2	3.114	3.114	0.000	1217176	0.5000	0.4769	
2	3.403	3.403	0.000	2232385	0.5000	0.5007	
		Average of Peak Amounts =				0.4837	
						RPD = 1.12	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.008	5.008	0.000	2042699	0.5000	0.4255	
1	5.139	5.139	0.000	1142755	0.5000	0.4303	
1	5.328	5.328	0.000	1018570	0.5000	0.4178	
1	5.536	5.536	0.000	2289338	0.5000	0.4121	
1	5.775	5.775	0.000	1081384	0.5000	0.4110	
		Average of Peak Amounts =				0.4193	
2	4.794	4.794	0.000	2660012	0.5000	0.5013	
2	4.841	4.841	0.000	2309835	0.5000	0.5001	
2	5.107	5.107	0.000	2358289	0.5000	0.5068	
2	5.244	5.244	0.000	5754223	0.5000	0.4882	
2	5.580	5.580	0.000	3359727	0.5000	0.5064	
		Average of Peak Amounts =				0.5006	
						RPD = 17.66	
9 1260 Res 1							
1	5.775	5.775	0.000	1081384	NR	NR	
2	5.107	5.107	0.000	2358289	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	5.835	5.835	0.000	492938	NR	NR	
2	5.174	5.174	0.000	1783186	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	5.878	5.878	0.000	566668	NR	NR	
2	5.244	5.244	0.000	5754223	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	6.893	6.893	0.000	996078	0.0300	0.0261	
2	6.519	6.519	0.000	2388907	0.0300	0.0288	
						RPD = 9.77	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

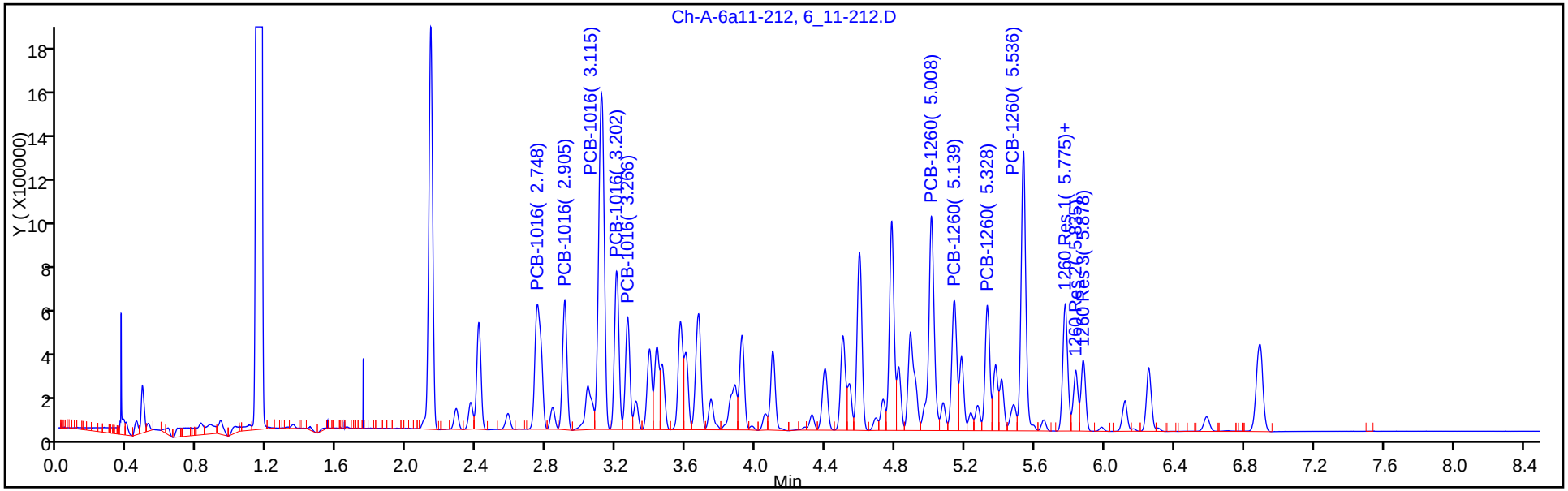
Report Date: 11-Oct-2016 12:59:18 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

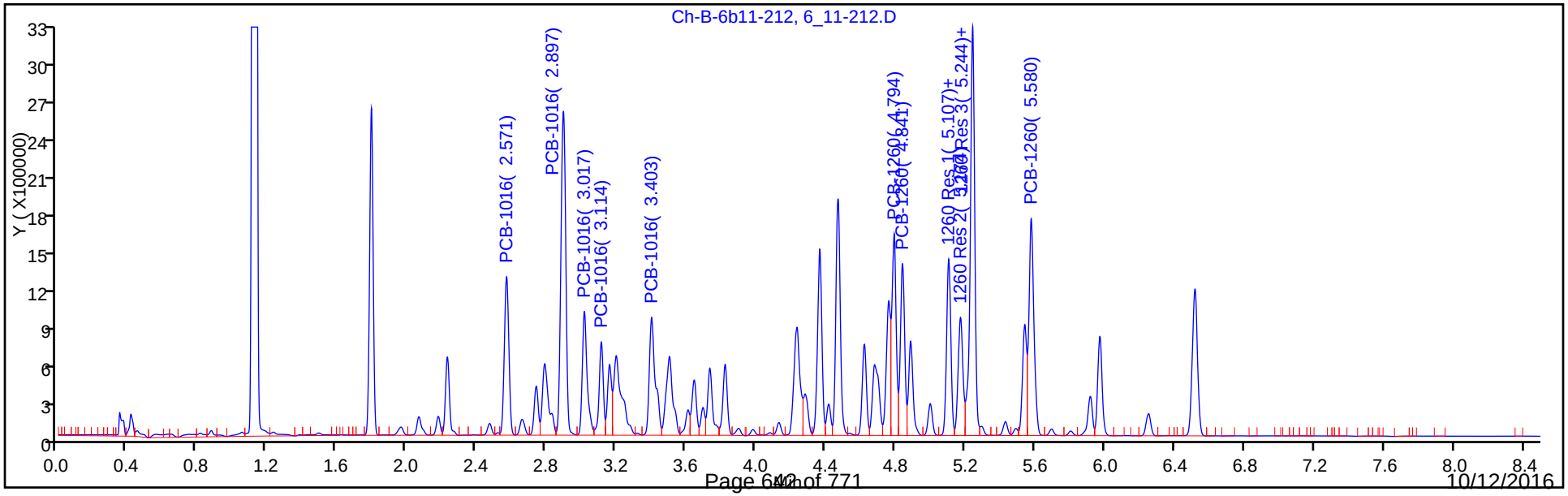
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-212.D

Injection Date:	11-Oct-2016 00:35:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324833/2 Calibration Date: 10/11/2016 00:35

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-212.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0379	0.0349		0.461	0.500	-7.8	20.0
PCB-1016 Peak 2	Ave	0.0784	0.0770		0.491	0.500	-1.8	20.0
PCB-1016 Peak 3	Ave	0.0299	0.0292		0.489	0.500	-2.2	20.0
PCB-1016 Peak 4	Ave	0.0198	0.0189		0.477	0.500	-4.6	20.0
PCB-1016 Peak 5	Ave	0.0346	0.0347		0.501	0.500	0.1	20.0
PCB-1260 Peak 1	Ave	0.0412	0.0413		0.501	0.500	0.3	20.0
PCB-1260 Peak 2	Ave	0.0359	0.0359		0.500	0.500	0.0	20.0
PCB-1260 Peak 3	Ave	0.0361	0.0366		0.507	0.500	1.4	20.0
PCB-1260 Peak 4	Ave	0.0916	0.0894		0.488	0.500	-2.4	20.0
PCB-1260 Peak 5	Ave	0.0515	0.0522		0.506	0.500	1.3	20.0
Tetrachloro-m-xylene	Ave	1.095	0.9310		0.0255	0.0300	-15.0	20.0
DCB Decachlorobiphenyl	Lin1		0.6187		0.0288	0.0300	-3.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCVIS 480-324833/2 Calibration Date: 10/11/2016 00:35

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-212.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.57	2.54	2.60
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.02	2.99	3.05
PCB-1016 Peak 4	3.11	3.08	3.14
PCB-1016 Peak 5	3.40	3.37	3.43
PCB-1260 Peak 1	4.79	4.76	4.82
PCB-1260 Peak 2	4.84	4.81	4.87
PCB-1260 Peak 3	5.11	5.08	5.14
PCB-1260 Peak 4	5.24	5.21	5.27
PCB-1260 Peak 5	5.58	5.55	5.61
Tetrachloro-m-xylene	1.80	1.77	1.83
DCB Decachlorobiphenyl	6.52	6.49	6.55

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-212.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Oct-2016 00:35:06 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:18 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 01:00:11

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	43476286	0.5000	0.5000	
2	1.128	1.128	0.000	64356376	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.136	2.136	0.000	2686328	0.0300	0.0289	
2	1.796	1.796	0.000	3595023	0.0300	0.0255	
						RPD = 12.53	
6 PCB-1016							
1	2.748	2.748	0.000	1409134	0.5000	0.4305	
1	2.905	2.905	0.000	995253	0.5000	0.5168	
1	3.115	3.115	0.000	3218817	0.5000	0.4270	
1	3.202	3.202	0.000	1235161	0.5000	0.5076	
1	3.266	3.266	0.000	861659	0.5000	0.5098	
		Average of Peak Amounts =				0.4783	
2	2.571	2.571	0.000	2247257	0.5000	0.4612	
2	2.897	2.897	0.000	4953693	0.5000	0.4909	
2	3.017	3.017	0.000	1881158	0.5000	0.4890	
2	3.114	3.114	0.000	1217176	0.5000	0.4769	
2	3.403	3.403	0.000	2232385	0.5000	0.5007	
		Average of Peak Amounts =				0.4837	
						RPD = 1.12	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.008	5.008	0.000	2042699	0.5000	0.4255	
1	5.139	5.139	0.000	1142755	0.5000	0.4303	
1	5.328	5.328	0.000	1018570	0.5000	0.4178	
1	5.536	5.536	0.000	2289338	0.5000	0.4121	
1	5.775	5.775	0.000	1081384	0.5000	0.4110	
		Average of Peak Amounts =				0.4193	
2	4.794	4.794	0.000	2660012	0.5000	0.5013	
2	4.841	4.841	0.000	2309835	0.5000	0.5001	
2	5.107	5.107	0.000	2358289	0.5000	0.5068	
2	5.244	5.244	0.000	5754223	0.5000	0.4882	
2	5.580	5.580	0.000	3359727	0.5000	0.5064	
		Average of Peak Amounts =				0.5006	
						RPD = 17.66	
9 1260 Res 1							
1	5.775	5.775	0.000	1081384	NR	NR	
2	5.107	5.107	0.000	2358289	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	5.835	5.835	0.000	492938	NR	NR	
2	5.174	5.174	0.000	1783186	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	5.878	5.878	0.000	566668	NR	NR	
2	5.244	5.244	0.000	5754223	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	6.893	6.893	0.000	996078	0.0300	0.0261	
2	6.519	6.519	0.000	2388907	0.0300	0.0288	
						RPD = 9.77	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

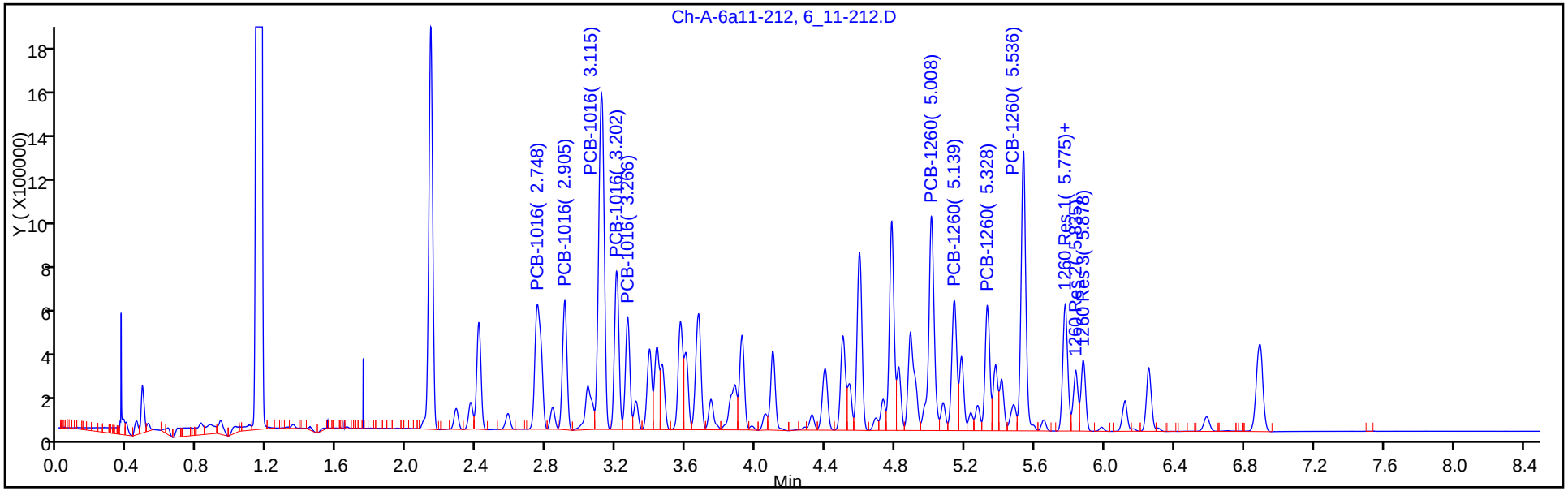
Report Date: 11-Oct-2016 12:59:20 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

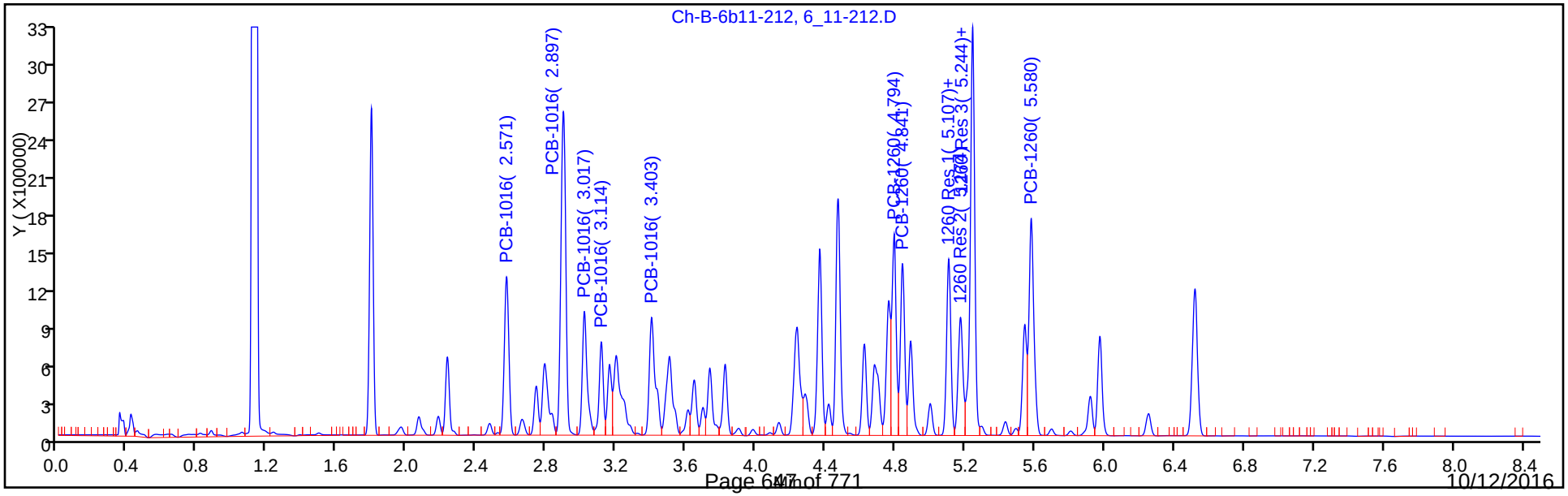
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-212.D

Injection Date:	11-Oct-2016 00:35:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/12 Calibration Date: 10/11/2016 03:15

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-222.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0376	0.0319		0.423	0.500	-15.3	20.0
PCB-1016 Peak 2	Lin1		0.0225		0.507	0.500	1.3	20.0
PCB-1016 Peak 3	Ave	0.0867	0.0723		0.417	0.500	-16.7	20.0
PCB-1016 Peak 4	Lin1		0.0280		0.500	0.500	-0.0	20.0
PCB-1016 Peak 5	Lin1		0.0197		0.505	0.500	1.1	20.0
PCB-1260 Peak 1	Ave	0.0552	0.0457		0.414	0.500	-17.3	20.0
PCB-1260 Peak 2	Ave	0.0305	0.0253		0.414	0.500	-17.1	20.0
PCB-1260 Peak 3	Ave	0.0280	0.0225		0.401	0.500	-19.9	20.0
PCB-1260 Peak 4	Ave	0.0639	0.0487		0.381	0.500	-23.8*	20.0
PCB-1260 Peak 5	Ave	0.0303	0.0242		0.400	0.500	-20.0	20.0
Tetrachloro-m-xylene	Lin1		1.020		0.0286	0.0300	-4.5	20.0
DCB Decachlorobiphenyl	Lin1		0.3716		0.0254	0.0300	-15.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/12 Calibration Date: 10/11/2016 03:15

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-222.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.75	2.72	2.78
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.12	3.09	3.15
PCB-1016 Peak 4	3.20	3.17	3.23
PCB-1016 Peak 5	3.26	3.23	3.29
PCB-1260 Peak 1	5.01	4.98	5.04
PCB-1260 Peak 2	5.14	5.11	5.17
PCB-1260 Peak 3	5.33	5.30	5.36
PCB-1260 Peak 4	5.53	5.50	5.56
PCB-1260 Peak 5	5.77	5.74	5.80
Tetrachloro-m-xylene	2.14	2.11	2.17
DCB Decachlorobiphenyl	6.89	6.86	6.92

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-222.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 03:15:36 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:41 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 03:30:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45375093	0.5000	0.5000	
2	1.128	1.128	0.000	66900390	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.136	2.136	0.000	2777869	0.0300	0.0286	M
2	1.796	1.796	0.000	3591920	0.0300	0.0245	
						RPD = 15.54	
6 PCB-1016							M
1	2.748	2.748	0.000	1446253	0.5000	0.4233	M
1	2.903	2.903	0.000	1019294	0.5000	0.5067	M
1	3.115	3.115	0.000	3278309	0.5000	0.4167	M
1	3.201	3.201	0.000	1270006	0.5000	0.4997	M
1	3.264	3.264	0.000	891924	0.5000	0.5055	M
		Average of Peak Amounts =				0.4704	
2	2.572	2.572	0.000	2260681	0.5000	0.4463	
2	2.898	2.898	0.000	4975679	0.5000	0.4743	
2	3.018	3.018	0.000	1889694	0.5000	0.4725	
2	3.114	3.114	0.000	1218554	0.5000	0.4593	
2	3.403	3.403	0.000	2237407	0.5000	0.4827	
		Average of Peak Amounts =				0.4670	
						RPD = 0.72	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.007	5.007	0.000	2071780	0.5000	0.4135	M
1	5.138	5.138	0.000	1148589	0.5000	0.4144	M
1	5.328	5.328	0.000	1019716	0.5000	0.4007	M
1	5.533	5.533	0.000	2207669	0.5000	0.3808	M
1	5.773	5.773	0.000	1097744	0.5000	0.3998	M
		Average of Peak Amounts =				0.4018	
2	4.794	4.794	0.000	2716189	0.5000	0.4924	
2	4.843	4.843	0.000	2363741	0.5000	0.4923	
2	5.107	5.107	0.000	2431368	0.5000	0.5027	
2	5.244	5.244	0.000	5868204	0.5000	0.4789	
2	5.580	5.580	0.000	3504389	0.5000	0.5081	
		Average of Peak Amounts =				0.4949	
						RPD = 20.75	
9 1260 Res 1							M
1	5.773	5.773	0.000	1097744	NR	NR	M
2	5.107	5.107	0.000	2431368	NR	NR	
						RPD = NaN	
14 1260 Res 2							M
1	5.833	5.833	0.000	499648	NR	NR	M
2	5.173	5.173	0.000	1842900	NR	NR	
						RPD = NaN	
12 1260 Res 3							M
1	5.878	5.878	0.000	580975	NR	NR	M
2	5.244	5.244	0.000	5868204	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	6.890	6.890	0.000	1011794	0.0300	0.0254	
2	6.521	6.521	0.000	2499137	0.0300	0.0290	
						RPD = 13.16	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

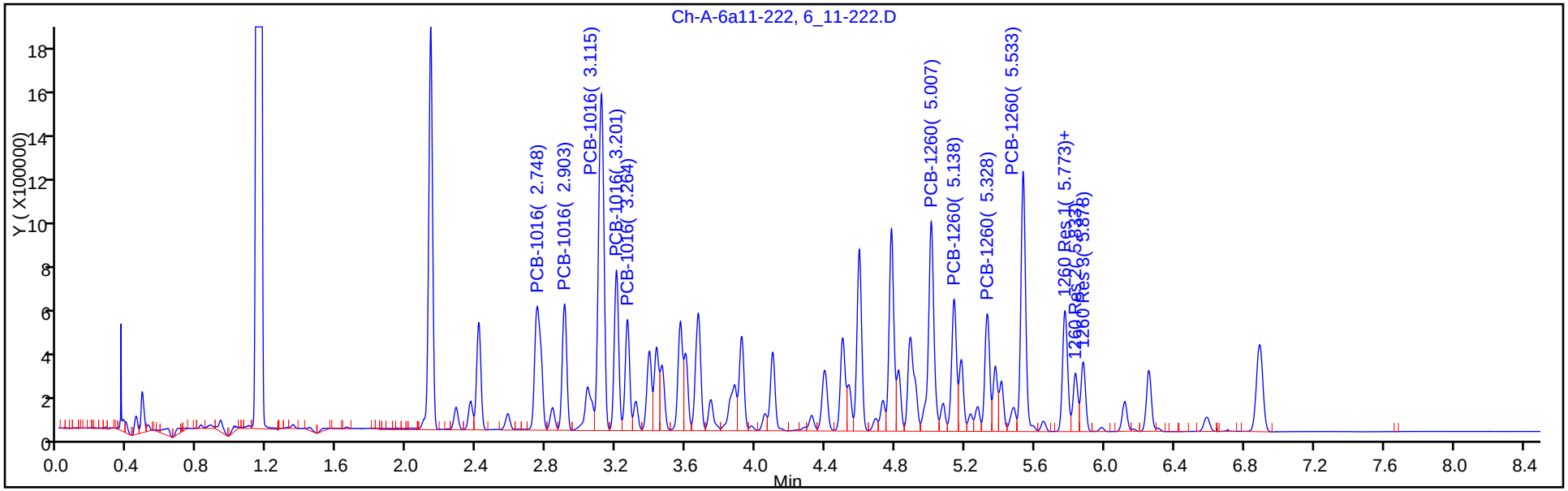
Report Date: 11-Oct-2016 12:59:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

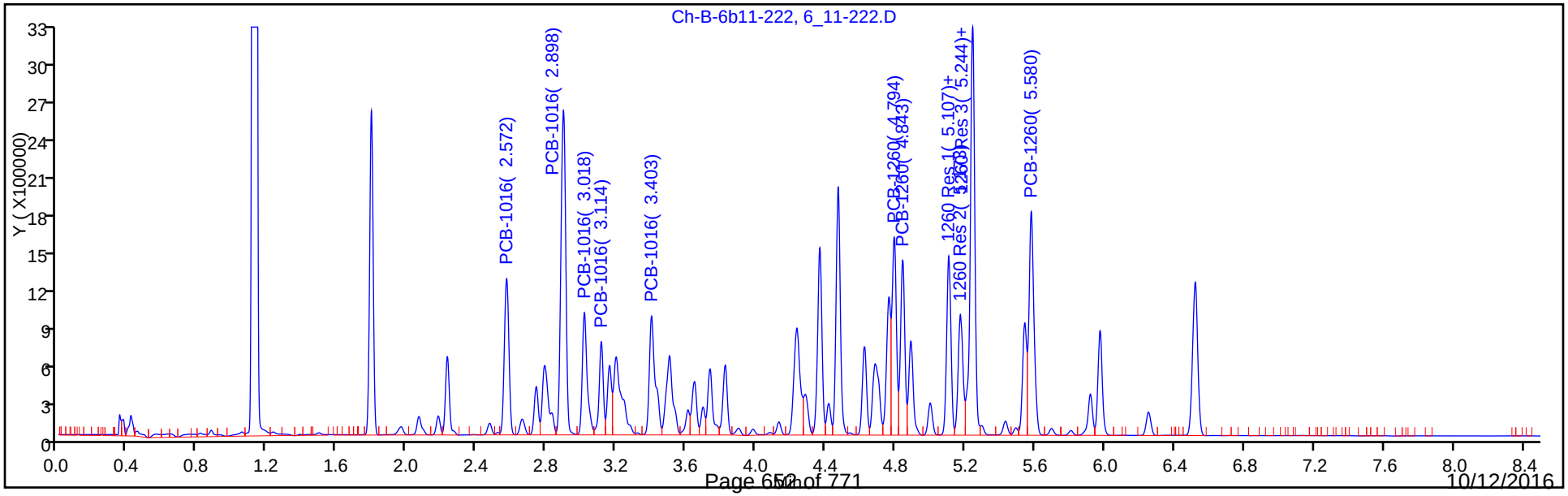
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-222.D

Injection Date:	11-Oct-2016 03:15:36	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

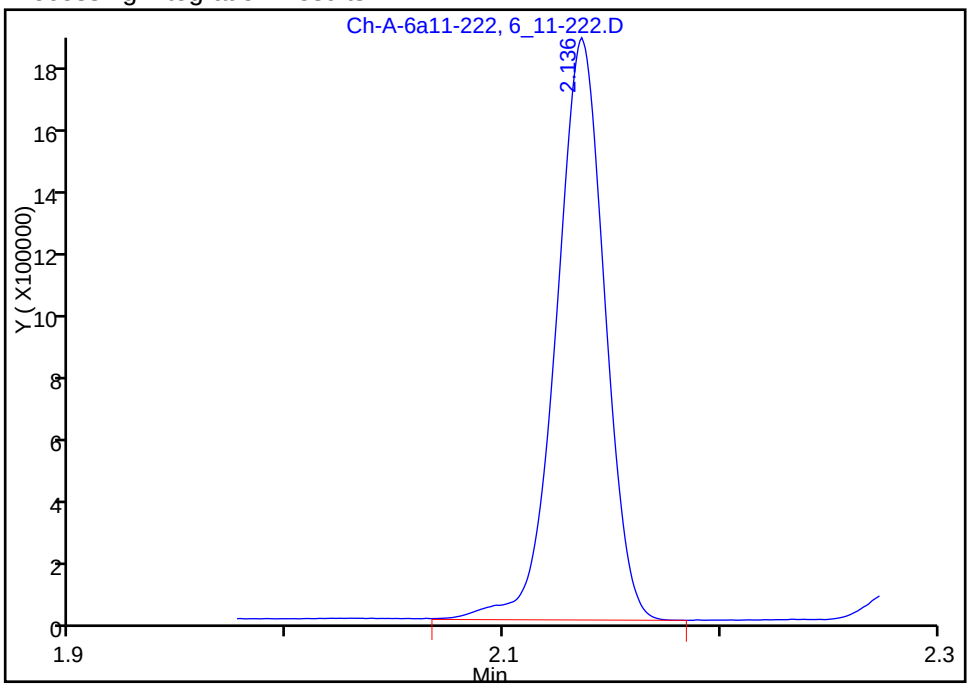
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-222.D
Injection Date: 11-Oct-2016 03:15:36 Instrument ID: HP6890-6
Lims ID: CCV
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

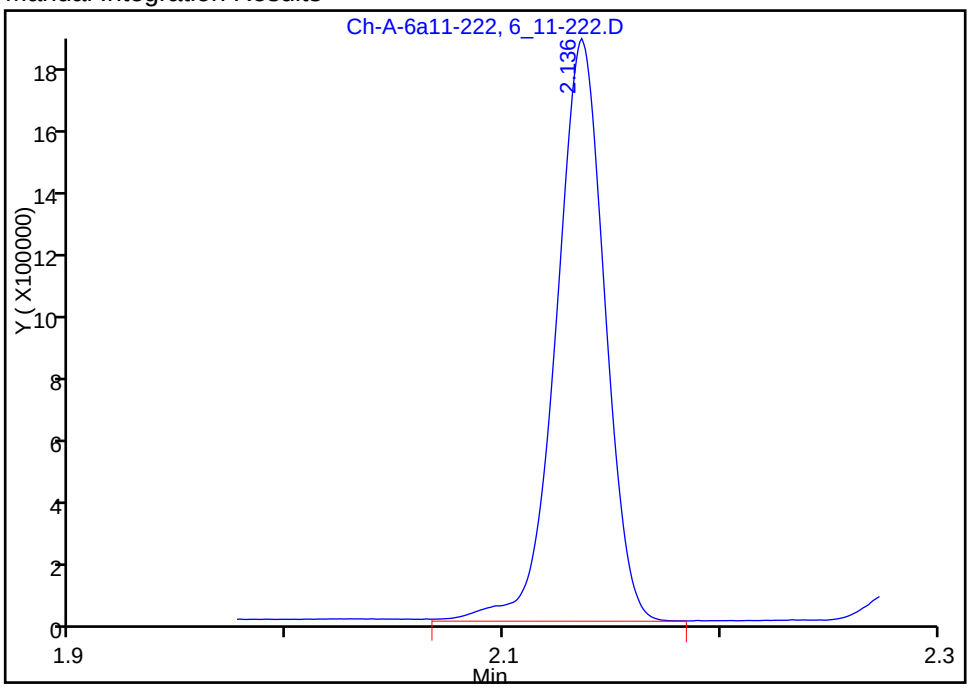
Processing Integration Results

RT: 2.14
Area: 2762947
Amount: 0.028493
Amount Units: ng/uL



Manual Integration Results

RT: 2.14
Area: 2777869
Amount: 0.028649
Amount Units: ng/uL



Reviewer: sobolk, 11-Oct-2016 03:30:50
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 11-Oct-2016 12:59:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-222.D

Injection Date: 11-Oct-2016 03:15:36 Instrument ID: HP6890-6

Lims ID: CCV

Client ID:

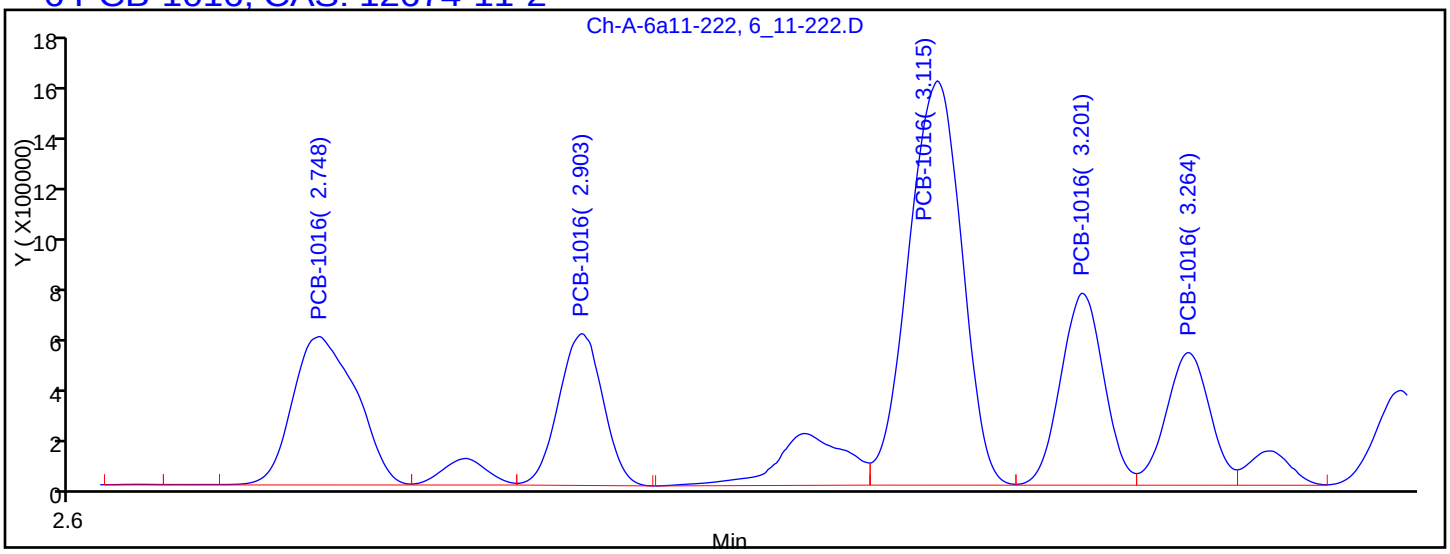
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

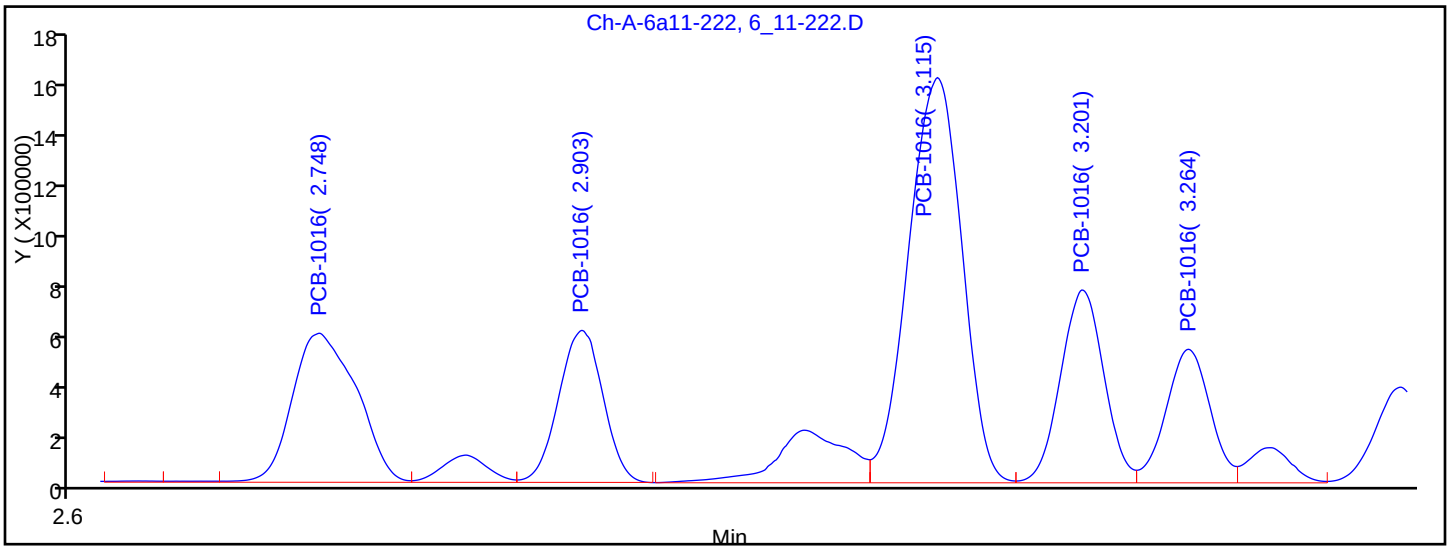
Column: Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.748	Response = 1430433
2.903	Response = 1015055
3.115	Response = 3259911
3.201	Response = 1255162
3.264	Response = 879752



Manual Integration Results

2.748	Response = 1446253	M
2.903	Response = 1019294	M
3.115	Response = 3278309	M
3.201	Response = 1270006	M
3.264	Response = 891924	M

Reviewer: sobolk, 11-Oct-2016 03:30:50

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 11-Oct-2016 12:59:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-222.D

Injection Date: 11-Oct-2016 03:15:36 Instrument ID: HP6890-6

Lims ID: CCV

Client ID:

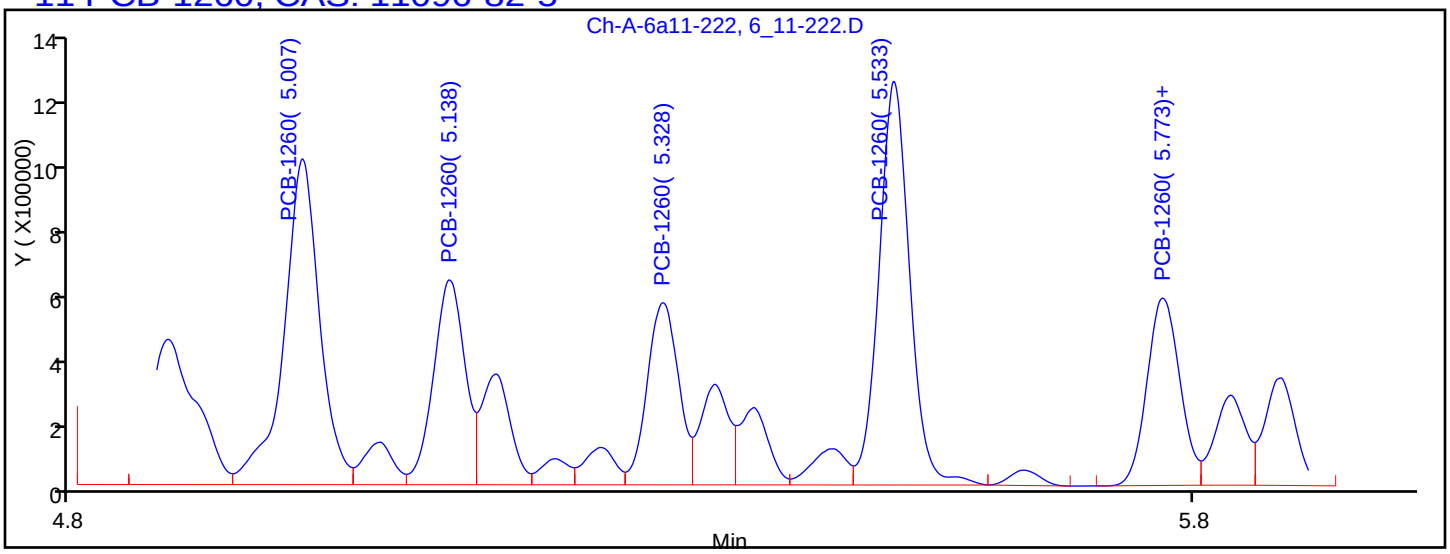
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

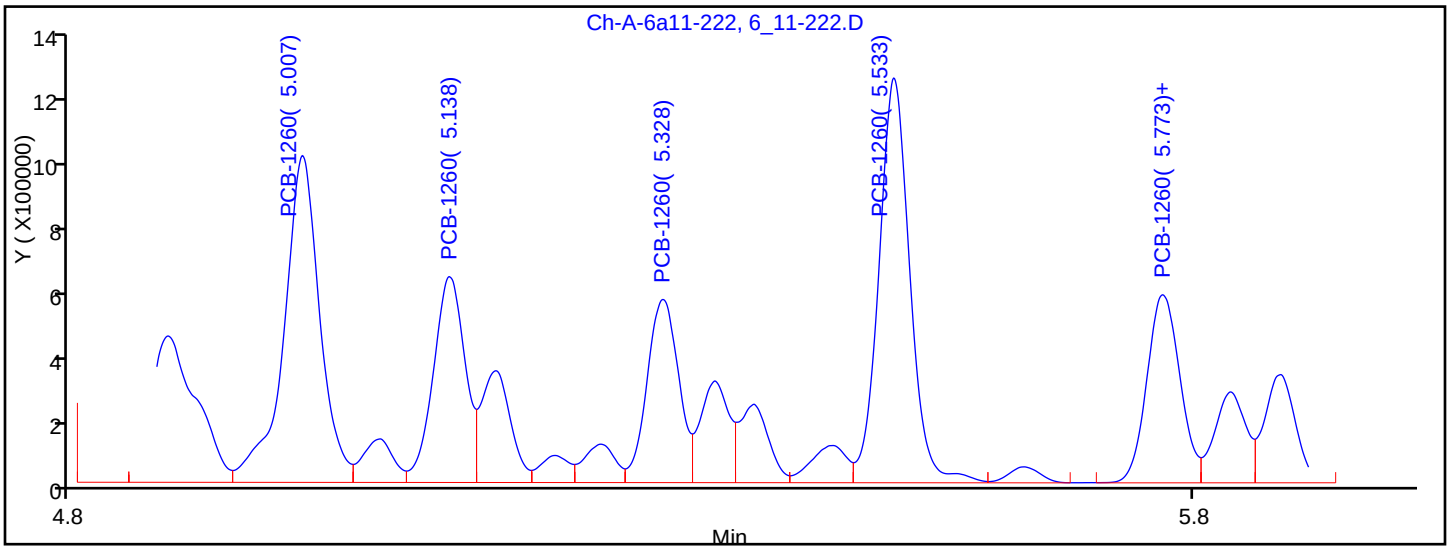
Column: Detector Ch-A-7A136

11 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.007	Response = 2052636
5.138	Response = 1137407
5.328	Response = 1008905
5.533	Response = 2185874
5.773	Response = 1088675



Manual Integration Results

5.007	Response = 2071780	M
5.138	Response = 1148589	M
5.328	Response = 1019716	M
5.533	Response = 2207669	M
5.773	Response = 1097744	M

Reviewer: sobolk, 11-Oct-2016 03:30:50

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/12 Calibration Date: 10/11/2016 03:15

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-222.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0379	0.0338		0.446	0.500	-10.7	20.0
PCB-1016 Peak 2	Ave	0.0784	0.0744		0.474	0.500	-5.1	20.0
PCB-1016 Peak 3	Ave	0.0299	0.0283		0.472	0.500	-5.5	20.0
PCB-1016 Peak 4	Ave	0.0198	0.0182		0.459	0.500	-8.1	20.0
PCB-1016 Peak 5	Ave	0.0346	0.0334		0.483	0.500	-3.5	20.0
PCB-1260 Peak 1	Ave	0.0412	0.0406		0.492	0.500	-1.5	20.0
PCB-1260 Peak 2	Ave	0.0359	0.0353		0.492	0.500	-1.5	20.0
PCB-1260 Peak 3	Ave	0.0361	0.0363		0.503	0.500	0.5	20.0
PCB-1260 Peak 4	Ave	0.0916	0.0877		0.479	0.500	-4.2	20.0
PCB-1260 Peak 5	Ave	0.0515	0.0524		0.508	0.500	1.6	20.0
Tetrachloro-m-xylene	Ave	1.095	0.8948		0.0245	0.0300	-18.3	20.0
DCB Decachlorobiphenyl	Lin1		0.6226		0.0290	0.0300	-3.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/12 Calibration Date: 10/11/2016 03:15

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-222.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.57	2.54	2.60
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.02	2.99	3.05
PCB-1016 Peak 4	3.11	3.08	3.14
PCB-1016 Peak 5	3.40	3.37	3.43
PCB-1260 Peak 1	4.79	4.76	4.82
PCB-1260 Peak 2	4.84	4.81	4.87
PCB-1260 Peak 3	5.11	5.08	5.14
PCB-1260 Peak 4	5.24	5.21	5.27
PCB-1260 Peak 5	5.58	5.55	5.61
Tetrachloro-m-xylene	1.80	1.77	1.83
DCB Decachlorobiphenyl	6.52	6.49	6.55

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-222.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 03:15:36 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:41 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 03:30:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45375093	0.5000	0.5000	
2	1.128	1.128	0.000	66900390	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.136	2.136	0.000	2777869	0.0300	0.0286	M
2	1.796	1.796	0.000	3591920	0.0300	0.0245	
						RPD = 15.54	
6 PCB-1016							M
1	2.748	2.748	0.000	1446253	0.5000	0.4233	M
1	2.903	2.903	0.000	1019294	0.5000	0.5067	M
1	3.115	3.115	0.000	3278309	0.5000	0.4167	M
1	3.201	3.201	0.000	1270006	0.5000	0.4997	M
1	3.264	3.264	0.000	891924	0.5000	0.5055	M
		Average of Peak Amounts =				0.4704	
2	2.572	2.572	0.000	2260681	0.5000	0.4463	
2	2.898	2.898	0.000	4975679	0.5000	0.4743	
2	3.018	3.018	0.000	1889694	0.5000	0.4725	
2	3.114	3.114	0.000	1218554	0.5000	0.4593	
2	3.403	3.403	0.000	2237407	0.5000	0.4827	
		Average of Peak Amounts =				0.4670	
						RPD = 0.72	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.007	5.007	0.000	2071780	0.5000	0.4135	M
1	5.138	5.138	0.000	1148589	0.5000	0.4144	M
1	5.328	5.328	0.000	1019716	0.5000	0.4007	M
1	5.533	5.533	0.000	2207669	0.5000	0.3808	M
1	5.773	5.773	0.000	1097744	0.5000	0.3998	M
		Average of Peak Amounts =				0.4018	
2	4.794	4.794	0.000	2716189	0.5000	0.4924	
2	4.843	4.843	0.000	2363741	0.5000	0.4923	
2	5.107	5.107	0.000	2431368	0.5000	0.5027	
2	5.244	5.244	0.000	5868204	0.5000	0.4789	
2	5.580	5.580	0.000	3504389	0.5000	0.5081	
		Average of Peak Amounts =				0.4949	
						RPD = 20.75	
9 1260 Res 1							M
1	5.773	5.773	0.000	1097744	NR	NR	M
2	5.107	5.107	0.000	2431368	NR	NR	
						RPD = NaN	
14 1260 Res 2							M
1	5.833	5.833	0.000	499648	NR	NR	M
2	5.173	5.173	0.000	1842900	NR	NR	
						RPD = NaN	
12 1260 Res 3							M
1	5.878	5.878	0.000	580975	NR	NR	M
2	5.244	5.244	0.000	5868204	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	6.890	6.890	0.000	1011794	0.0300	0.0254	
2	6.521	6.521	0.000	2499137	0.0300	0.0290	
						RPD = 13.16	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

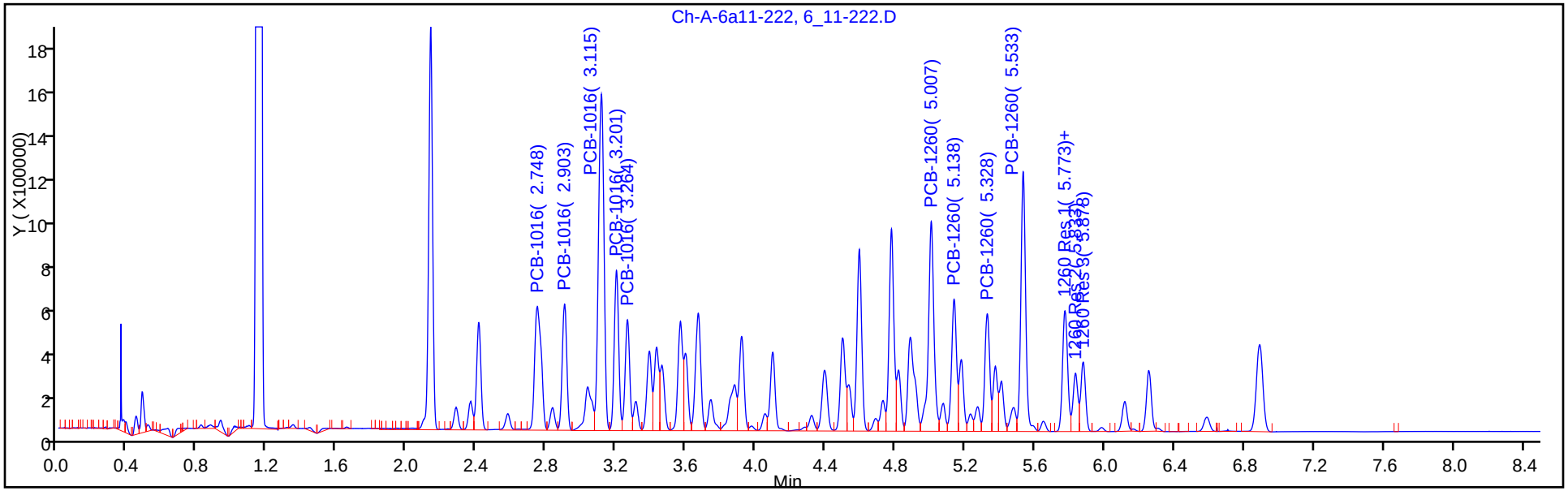
Report Date: 11-Oct-2016 12:59:43 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

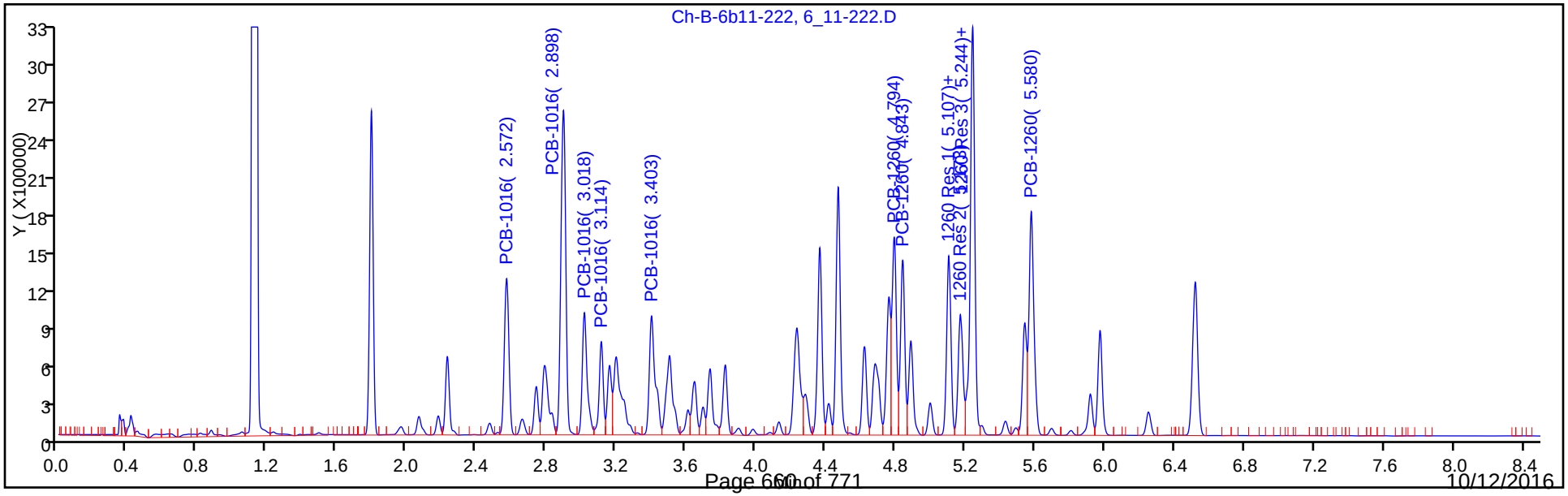
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-222.D

Injection Date:	11-Oct-2016 03:15:36	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/13 Calibration Date: 10/11/2016 03:31

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 23:12

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 23:44

Lab File ID: 6_11-223.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0065		0.548	0.500	9.7	20.0
PCB-1221 Peak 2	Lin1		0.0112		0.516	0.500	3.1	20.0
PCB-1221 Peak 3	Lin1		0.0073		0.531	0.500	6.2	20.0
PCB-1221 Peak 4	Lin1		0.0240		0.523	0.500	4.6	20.0
PCB-1254 Peak 1	Lin1		0.0434		0.482	0.500	-3.7	20.0
PCB-1254 Peak 2	Lin1		0.0489		0.478	0.500	-4.4	20.0
PCB-1254 Peak 3	Ave	0.0558	0.0478		0.428	0.500	-14.3	20.0
PCB-1254 Peak 4	Ave	0.0330	0.0283		0.430	0.500	-14.1	20.0
PCB-1254 Peak 5	Ave	0.0450	0.0372		0.413	0.500	-17.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/13 Calibration Date: 10/11/2016 03:31

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 23:12

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 23:44

Lab File ID: 6_11-223.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.66	1.63	1.69
PCB-1221 Peak 2	2.28	2.25	2.31
PCB-1221 Peak 3	2.36	2.33	2.39
PCB-1221 Peak 4	2.41	2.38	2.44
PCB-1254 Peak 1	4.10	4.07	4.13
PCB-1254 Peak 2	4.40	4.37	4.43
PCB-1254 Peak 3	4.60	4.57	4.63
PCB-1254 Peak 4	4.83	4.80	4.86
PCB-1254 Peak 5	5.01	4.98	5.04

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-223.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 03:31:36 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:44 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45657726	0.5000	0.5000	
2	1.128	1.128	0.000	65600309	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	1.655	1.655	0.000	296523	0.5000	0.5483	
1	2.284	2.284	0.000	510231	0.5000	0.5156	
1	2.363	2.363	0.000	333682	0.5000	0.5308	
1	2.412	2.412	0.000	1094889	0.5000	0.5232	
		Average of Peak Amounts =				0.5295	
2	1.495	1.495	0.000	402015	0.5000	0.5429	
2	2.068	2.068	0.000	662057	0.5000	0.4534	
2	2.180	2.180	0.000	415571	0.5000	0.5295	
2	2.232	2.232	0.000	1210069	0.5000	0.4142	
		Average of Peak Amounts =				0.4850	
						RPD = 8.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							
1	4.098	4.098	0.000	1980320	0.5000	0.4816	
1	4.402	4.402	0.000	2232102	0.5000	0.4781	
1	4.603	4.603	0.000	2183505	0.5000	0.4284	
1	4.825	4.825	0.000	1293339	0.5000	0.4296	
1	5.008	5.008	0.000	1699183	0.5000	0.4132	
		Average of Peak Amounts =				0.4462	
2	3.738	3.738	0.000	1952631	0.5000	0.4868	
2	3.825	3.825	0.000	2736204	0.5000	0.4814	
2	4.221	4.221	0.000	4262232	0.5000	0.5012	
2	4.353	4.353	0.000	4035906	0.5000	0.5071	
2	4.794	4.794	0.000	3531870	0.5000	0.4860	
		Average of Peak Amounts =				0.4925	
						RPD = 9.88	

Reagents:

21-54+IS CCV_00002 Amount Added: 1.00 Units: mL

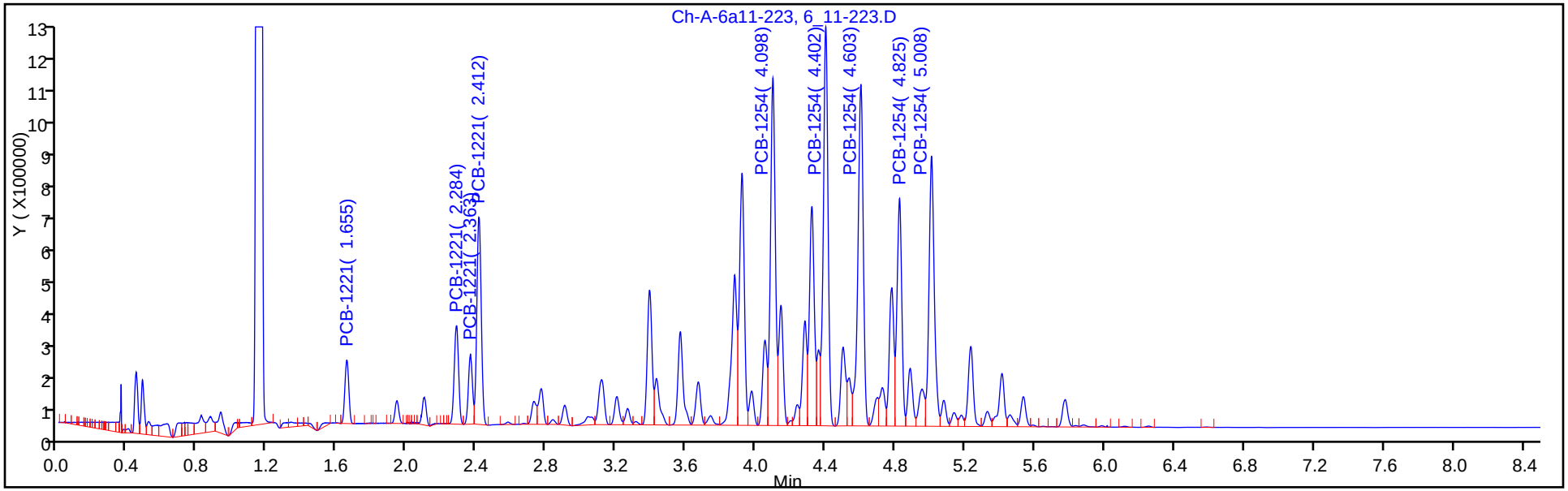
Report Date: 11-Oct-2016 12:59:44 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

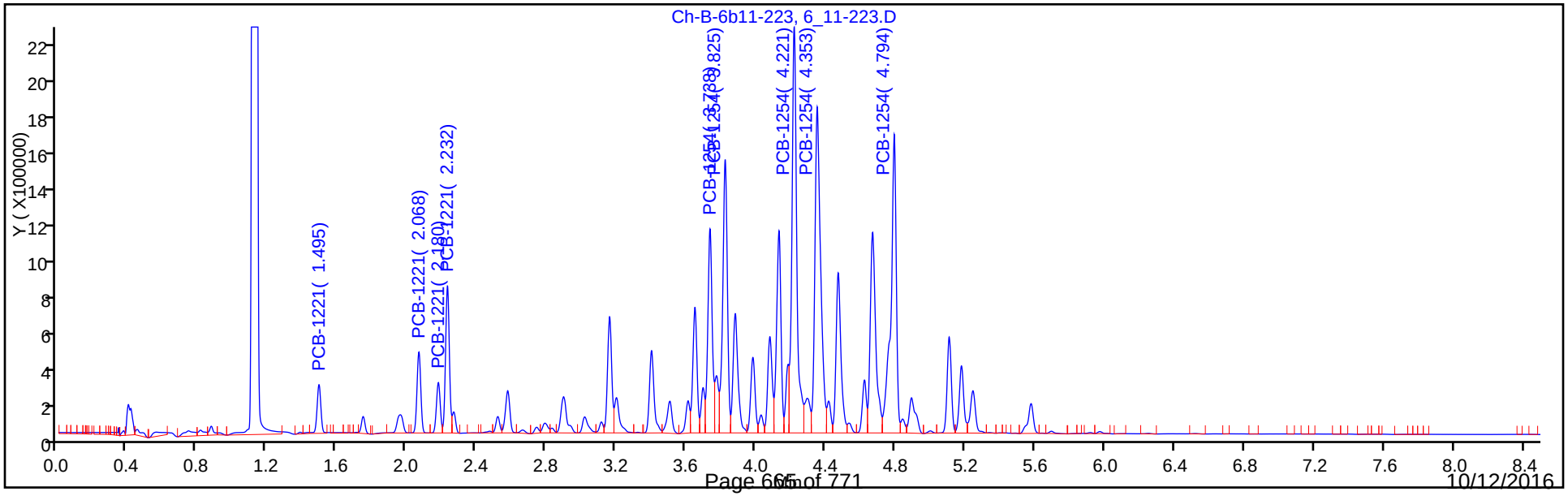
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-223.D

Injection Date:	11-Oct-2016 03:31:36	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/13 Calibration Date: 10/11/2016 03:31

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 23:12

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 23:44

Lab File ID: 6_11-223.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0061		0.543	0.500	8.6	20.0
PCB-1221 Peak 2	Ave	0.0111	0.0101		0.453	0.500	-9.3	20.0
PCB-1221 Peak 3	Lin1		0.0063		0.529	0.500	5.9	20.0
PCB-1221 Peak 4	Ave	0.0223	0.0185		0.414	0.500	-17.2	20.0
PCB-1254 Peak 1	Ave	0.0306	0.0298		0.487	0.500	-2.6	20.0
PCB-1254 Peak 2	Ave	0.0433	0.0417		0.481	0.500	-3.7	20.0
PCB-1254 Peak 3	Ave	0.0648	0.0650		0.501	0.500	0.2	20.0
PCB-1254 Peak 4	Ave	0.0607	0.0615		0.507	0.500	1.4	20.0
PCB-1254 Peak 5	Ave	0.0554	0.0538		0.486	0.500	-2.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/13 Calibration Date: 10/11/2016 03:31

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 23:12

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 23:44

Lab File ID: 6_11-223.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.50	1.47	1.53
PCB-1221 Peak 2	2.07	2.04	2.10
PCB-1221 Peak 3	2.18	2.15	2.21
PCB-1221 Peak 4	2.23	2.20	2.26
PCB-1254 Peak 1	3.74	3.71	3.77
PCB-1254 Peak 2	3.83	3.80	3.86
PCB-1254 Peak 3	4.22	4.19	4.25
PCB-1254 Peak 4	4.35	4.32	4.38
PCB-1254 Peak 5	4.79	4.76	4.82

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-223.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 03:31:36 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub4

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:44 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45657726	0.5000	0.5000	
2	1.128	1.128	0.000	65600309	0.5000	0.5000	
						RPD = 0.00	
3 PCB-1221							
1	1.655	1.655	0.000	296523	0.5000	0.5483	
1	2.284	2.284	0.000	510231	0.5000	0.5156	
1	2.363	2.363	0.000	333682	0.5000	0.5308	
1	2.412	2.412	0.000	1094889	0.5000	0.5232	
		Average of Peak Amounts =				0.5295	
2	1.495	1.495	0.000	402015	0.5000	0.5429	
2	2.068	2.068	0.000	662057	0.5000	0.4534	
2	2.180	2.180	0.000	415571	0.5000	0.5295	
2	2.232	2.232	0.000	1210069	0.5000	0.4142	
		Average of Peak Amounts =				0.4850	
						RPD = 8.77	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
8 PCB-1254							
1	4.098	4.098	0.000	1980320	0.5000	0.4816	
1	4.402	4.402	0.000	2232102	0.5000	0.4781	
1	4.603	4.603	0.000	2183505	0.5000	0.4284	
1	4.825	4.825	0.000	1293339	0.5000	0.4296	
1	5.008	5.008	0.000	1699183	0.5000	0.4132	
		Average of Peak Amounts =				0.4462	
2	3.738	3.738	0.000	1952631	0.5000	0.4868	
2	3.825	3.825	0.000	2736204	0.5000	0.4814	
2	4.221	4.221	0.000	4262232	0.5000	0.5012	
2	4.353	4.353	0.000	4035906	0.5000	0.5071	
2	4.794	4.794	0.000	3531870	0.5000	0.4860	
		Average of Peak Amounts =				0.4925	
						RPD = 9.88	

Reagents:

21-54+IS CCV_00002 Amount Added: 1.00 Units: mL

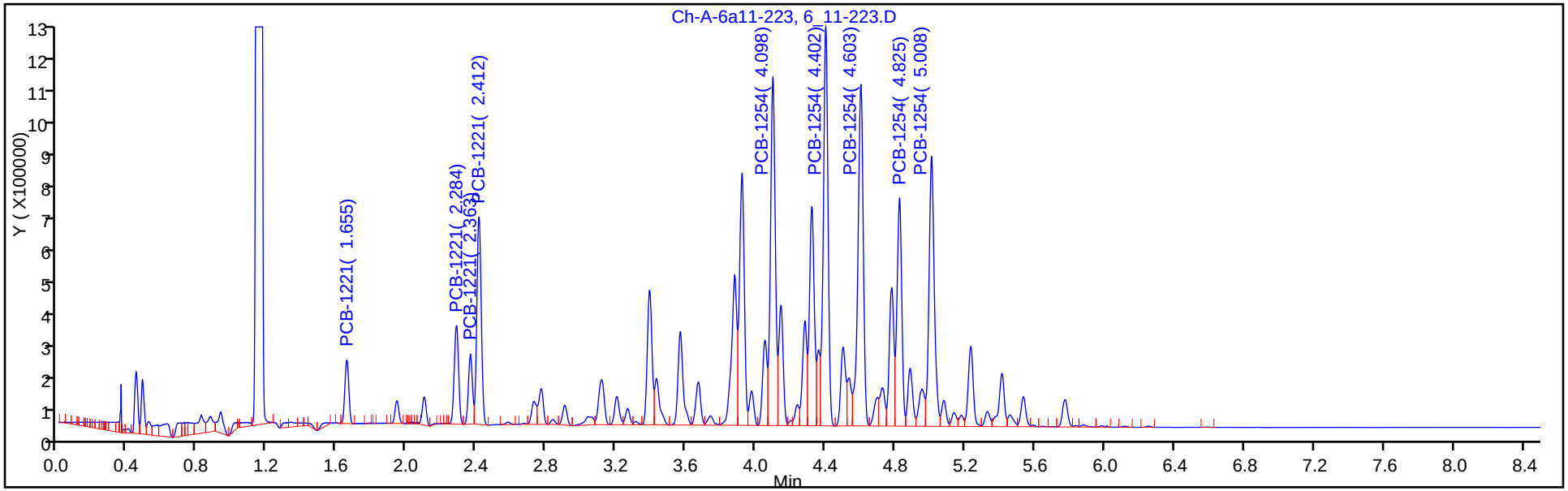
Report Date: 11-Oct-2016 12:59:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

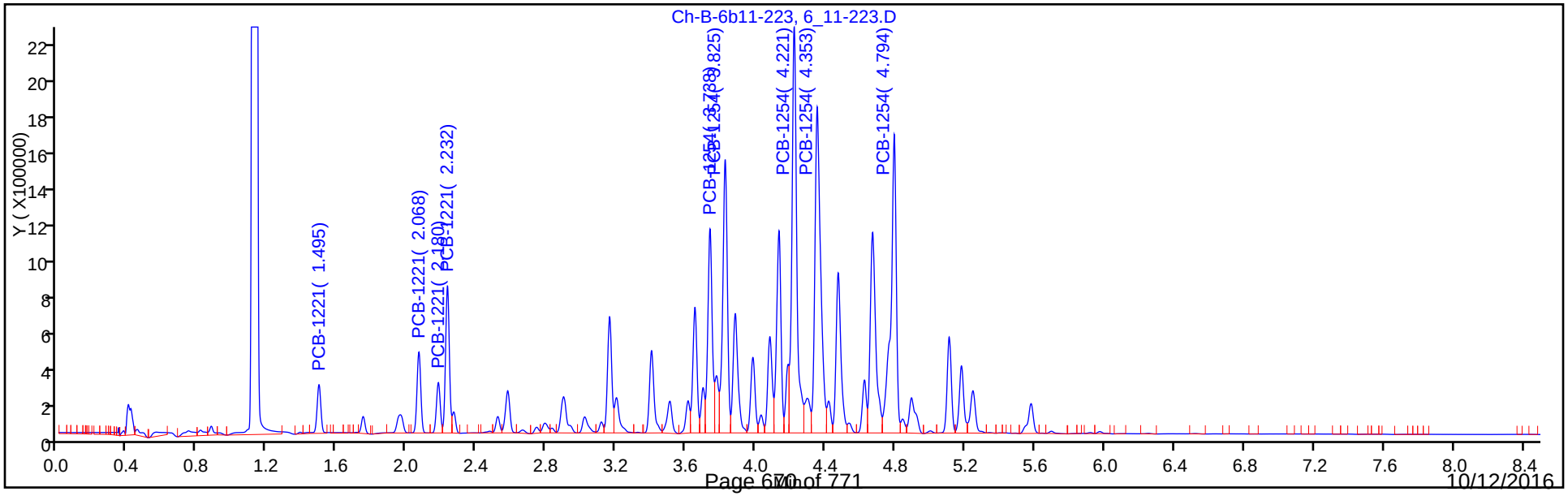
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-223.D

Injection Date:	11-Oct-2016 03:31:36	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/14 Calibration Date: 10/11/2016 03:47

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 00:16

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/16/2016 00:48

Lab File ID: 6_11-224.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0207		0.523	0.500	4.7	20.0
PCB-1232 Peak 2	Lin1		0.0110		0.505	0.500	1.0	20.0
PCB-1232 Peak 3	Lin1		0.0336		0.478	0.500	-4.4	20.0
PCB-1232 Peak 4	Lin1		0.0135		0.501	0.500	0.2	20.0
PCB-1232 Peak 5	Lin1		0.0092		0.495	0.500	-0.9	20.0
PCB-1262 Peak 1	Ave	0.0458	0.0360		0.393	0.500	-21.4*	20.0
PCB-1262 Peak 2	Lin1		0.0265		0.436	0.500	-12.9	20.0
PCB-1262 Peak 3	Ave	0.0754	0.0561		0.372	0.500	-25.7*	20.0
PCB-1262 Peak 4	Lin1		0.0216		0.430	0.500	-14.0	20.0
PCB-1262 Peak 5	Ave	0.0285	0.0217		0.381	0.500	-23.7*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/14 Calibration Date: 10/11/2016 03:47

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 00:16

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/16/2016 00:48

Lab File ID: 6_11-224.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.41	2.38	2.44
PCB-1232 Peak 2	2.90	2.87	2.93
PCB-1232 Peak 3	3.12	3.09	3.15
PCB-1232 Peak 4	3.20	3.17	3.23
PCB-1232 Peak 5	3.27	3.24	3.30
PCB-1262 Peak 1	5.14	5.11	5.17
PCB-1262 Peak 2	5.33	5.30	5.36
PCB-1262 Peak 3	5.53	5.50	5.56
PCB-1262 Peak 4	5.84	5.81	5.87
PCB-1262 Peak 5	5.88	5.85	5.91

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-224.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 03:47:42 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:47 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 04:32:25

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45609684	0.5000	0.5000	
2	1.128	1.128	0.000	65676994	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	2.413	2.413	0.000	943805	0.5000	0.5233	
1	2.904	2.904	0.000	501036	0.5000	0.5050	
1	3.117	3.117	0.000	1530992	0.5000	0.4780	
1	3.203	3.203	0.000	615207	0.5000	0.5011	
1	3.266	3.266	0.000	420221	0.5000	0.4953	
		Average of Peak Amounts =				0.5005	
2	2.232	2.232	0.000	946225	0.5000	0.4127	
2	2.573	2.573	0.000	1131605	0.5000	0.4967	
2	2.898	2.898	0.000	2203635	0.5000	0.4520	
2	3.018	3.018	0.000	841328	0.5000	0.4876	
2	3.115	3.115	0.000	468710	0.5000	0.4035	
		Average of Peak Amounts =				0.4505	
						RPD = 10.52	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.139	5.139	0.000	1642738	0.5000	0.3932	
1	5.331	5.331	0.000	1209744	0.5000	0.4355	
1	5.534	5.534	0.000	2557721	0.5000	0.3716	
1	5.835	5.835	0.000	983485	0.5000	0.4298	
1	5.879	5.879	0.000	991287	0.5000	0.3813	
		Average of Peak Amounts =				0.4023	
2	4.843	4.843	0.000	3359749	0.5000	0.4557	
2	5.107	5.107	0.000	2819182	0.5000	0.4621	
2	5.245	5.245	0.000	5884970	0.5000	0.4143	
2	5.543	5.543	0.000	2442524	0.5000	0.4252	
2	5.581	5.581	0.000	3925574	0.5000	0.4699	
		Average of Peak Amounts =				0.4455	
						RPD = 10.18	

Reagents:

32-62+IS CCV_00002 Amount Added: 1.00 Units: mL

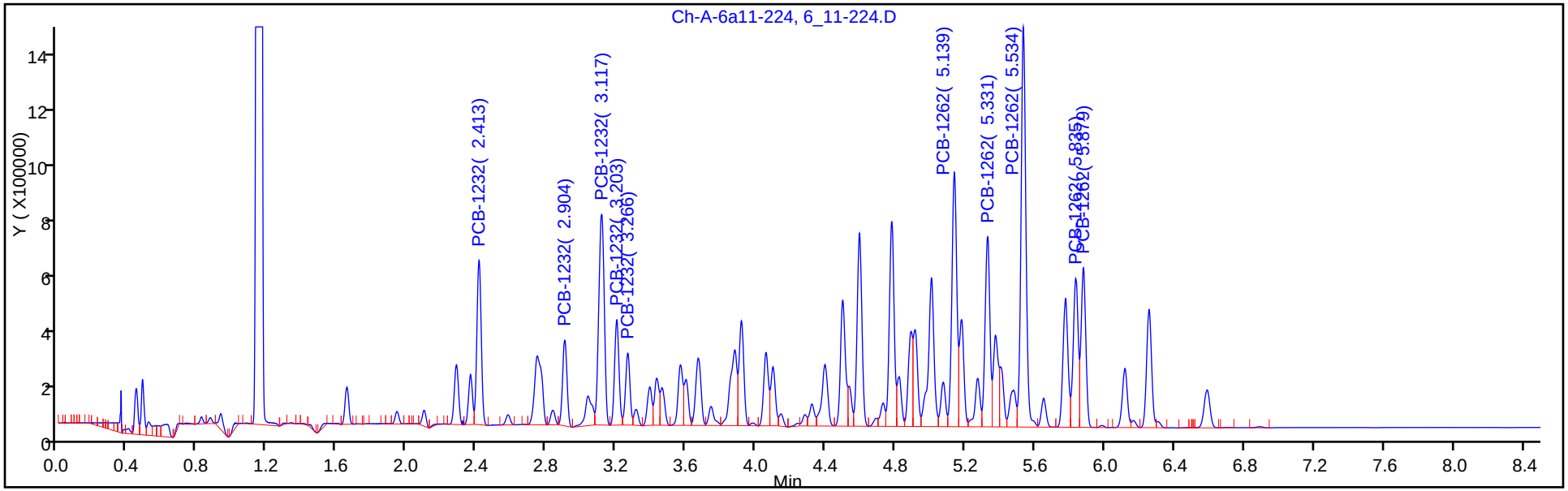
Report Date: 11-Oct-2016 12:59:47 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

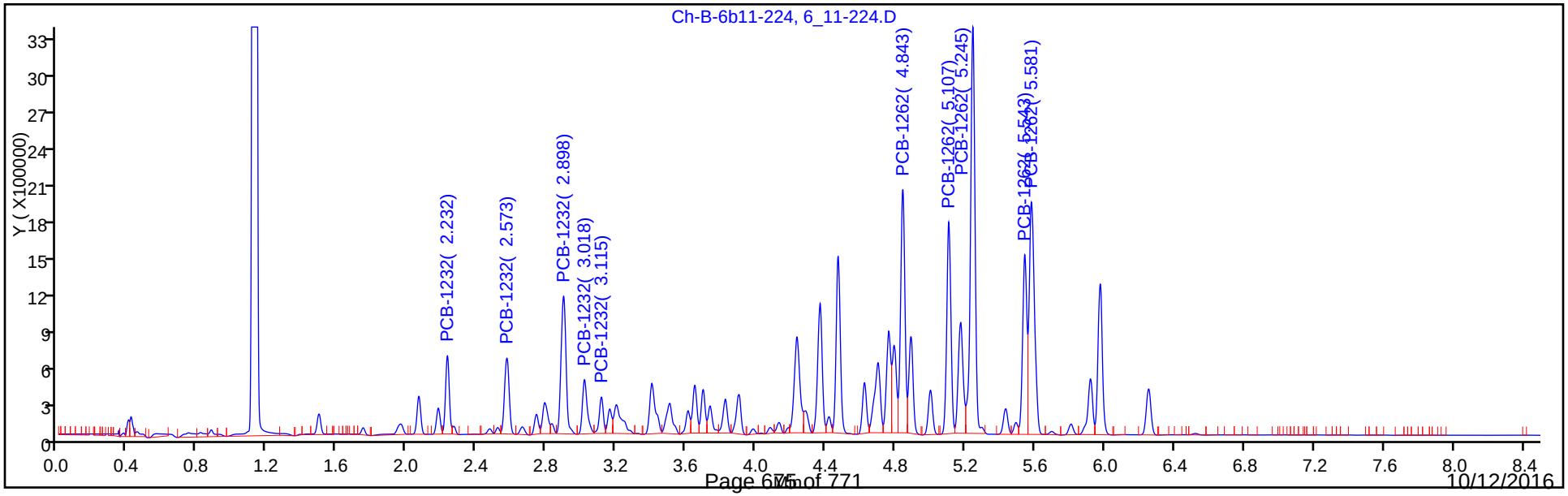
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-224.D

Injection Date:	11-Oct-2016 03:47:42	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/14 Calibration Date: 10/11/2016 03:47

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 00:16

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/16/2016 00:48

Lab File ID: 6_11-224.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0144		0.413	0.500	-17.5	20.0
PCB-1232 Peak 2	Lin1		0.0172		0.497	0.500	-0.7	20.0
PCB-1232 Peak 3	Ave	0.0371	0.0336		0.452	0.500	-9.6	20.0
PCB-1232 Peak 4	Lin1		0.0128		0.488	0.500	-2.5	20.0
PCB-1232 Peak 5	Lin1		0.0071		0.403	0.500	-19.3	20.0
PCB-1262 Peak 1	Ave	0.0561	0.0512		0.456	0.500	-8.9	20.0
PCB-1262 Peak 2	Ave	0.0464	0.0429		0.462	0.500	-7.6	20.0
PCB-1262 Peak 3	Ave	0.1081	0.0896		0.414	0.500	-17.1	20.0
PCB-1262 Peak 4	Ave	0.0437	0.0372		0.425	0.500	-15.0	20.0
PCB-1262 Peak 5	Ave	0.0636	0.0598		0.470	0.500	-6.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/14 Calibration Date: 10/11/2016 03:47

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 00:16

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/16/2016 00:48

Lab File ID: 6_11-224.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.23	2.20	2.26
PCB-1232 Peak 2	2.57	2.54	2.60
PCB-1232 Peak 3	2.90	2.87	2.93
PCB-1232 Peak 4	3.02	2.99	3.05
PCB-1232 Peak 5	3.12	3.09	3.15
PCB-1262 Peak 1	4.84	4.81	4.87
PCB-1262 Peak 2	5.11	5.08	5.14
PCB-1262 Peak 3	5.25	5.22	5.28
PCB-1262 Peak 4	5.54	5.51	5.57
PCB-1262 Peak 5	5.58	5.55	5.61

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-224.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 03:47:42 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub5

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:47 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 04:32:25

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45609684	0.5000	0.5000	
2	1.128	1.128	0.000	65676994	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1232							
1	2.413	2.413	0.000	943805	0.5000	0.5233	
1	2.904	2.904	0.000	501036	0.5000	0.5050	
1	3.117	3.117	0.000	1530992	0.5000	0.4780	
1	3.203	3.203	0.000	615207	0.5000	0.5011	
1	3.266	3.266	0.000	420221	0.5000	0.4953	
		Average of Peak Amounts =				0.5005	
2	2.232	2.232	0.000	946225	0.5000	0.4127	
2	2.573	2.573	0.000	1131605	0.5000	0.4967	
2	2.898	2.898	0.000	2203635	0.5000	0.4520	
2	3.018	3.018	0.000	841328	0.5000	0.4876	
2	3.115	3.115	0.000	468710	0.5000	0.4035	
		Average of Peak Amounts =				0.4505	
						RPD = 10.52	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
10 PCB-1262							
1	5.139	5.139	0.000	1642738	0.5000	0.3932	
1	5.331	5.331	0.000	1209744	0.5000	0.4355	
1	5.534	5.534	0.000	2557721	0.5000	0.3716	
1	5.835	5.835	0.000	983485	0.5000	0.4298	
1	5.879	5.879	0.000	991287	0.5000	0.3813	
		Average of Peak Amounts =				0.4023	
2	4.843	4.843	0.000	3359749	0.5000	0.4557	
2	5.107	5.107	0.000	2819182	0.5000	0.4621	
2	5.245	5.245	0.000	5884970	0.5000	0.4143	
2	5.543	5.543	0.000	2442524	0.5000	0.4252	
2	5.581	5.581	0.000	3925574	0.5000	0.4699	
		Average of Peak Amounts =				0.4455	
						RPD = 10.18	

Reagents:

32-62+IS CCV_00002 Amount Added: 1.00 Units: mL

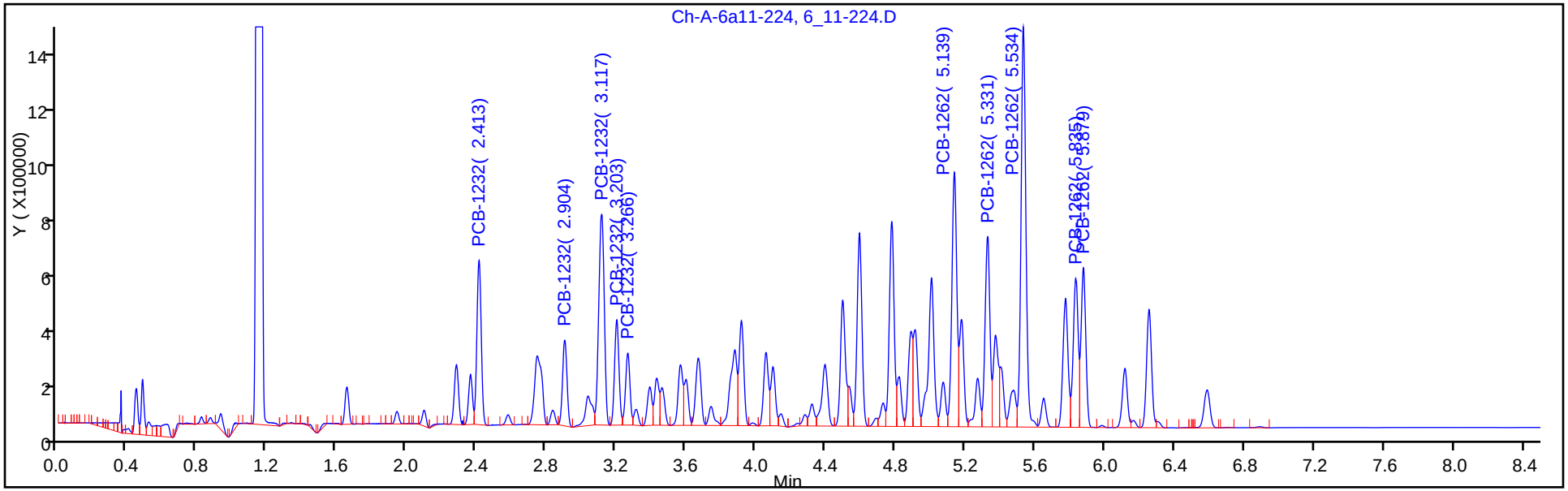
Report Date: 11-Oct-2016 12:59:48 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

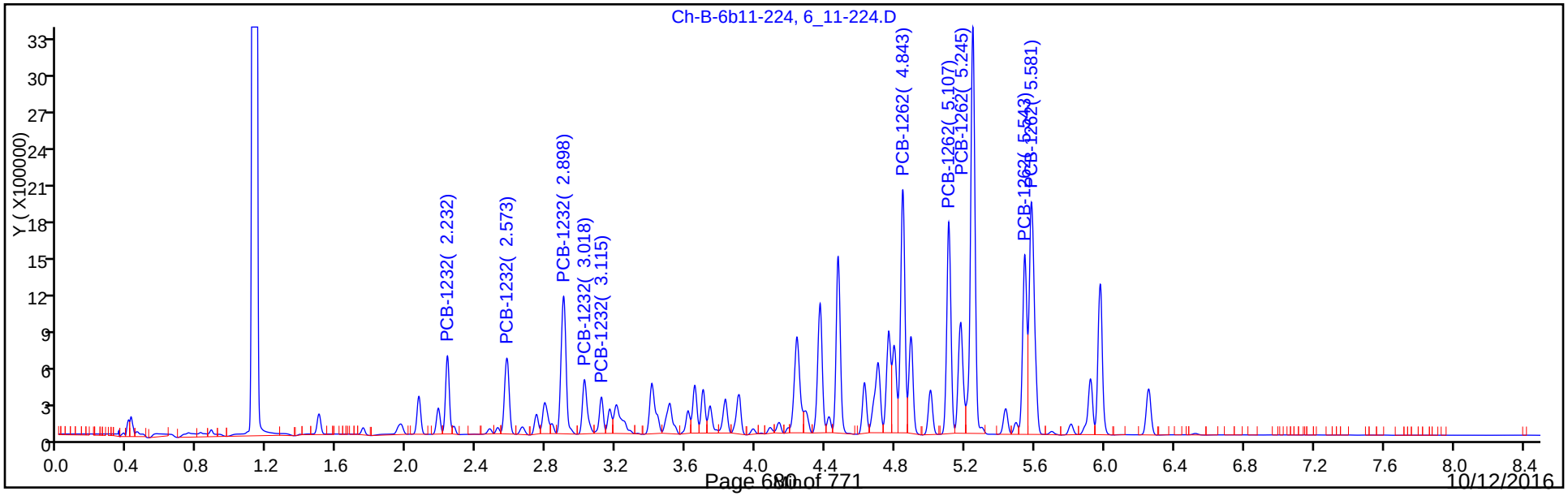
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-224.D

Injection Date:	11-Oct-2016 03:47:42	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/15 Calibration Date: 10/11/2016 04:03

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 01:20

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/16/2016 01:52

Lab File ID: 6_11-225.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0719	0.0582		0.405	0.500	-19.1	20.0
PCB-1242 Peak 2	Lin1		0.0224		0.482	0.500	-3.5	20.0
PCB-1242 Peak 3	Lin1		0.0200		0.495	0.500	-1.0	20.0
PCB-1242 Peak 4	Lin1		0.0199		0.481	0.500	-3.9	20.0
PCB-1242 Peak 5	Lin1		0.0192		0.502	0.500	0.4	20.0
PCB-1268 Peak 1	Ave	0.0837	0.0635		0.379	0.500	-24.1*	20.0
PCB-1268 Peak 2	Ave	0.0717	0.0545		0.380	0.500	-24.0*	20.0
PCB-1268 Peak 3	Ave	0.0619	0.0462		0.374	0.500	-25.3*	20.0
PCB-1268 Peak 4	Ave	0.0264	0.0188		0.355	0.500	-28.9*	20.0
PCB-1268 Peak 5	Ave	0.1974	0.1479		0.375	0.500	-25.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/15 Calibration Date: 10/11/2016 04:03

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 01:20

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/16/2016 01:52

Lab File ID: 6_11-225.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.12	3.09	3.15
PCB-1242 Peak 2	3.20	3.17	3.23
PCB-1242 Peak 3	3.67	3.64	3.70
PCB-1242 Peak 4	3.92	3.89	3.95
PCB-1242 Peak 5	4.06	4.03	4.09
PCB-1268 Peak 1	5.83	5.80	5.86
PCB-1268 Peak 2	5.88	5.85	5.91
PCB-1268 Peak 3	6.10	6.07	6.13
PCB-1268 Peak 4	6.26	6.23	6.29
PCB-1268 Peak 5	6.59	6.56	6.62

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-225.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 04:03:38 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:49 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 04:32:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45651290	0.5000	0.5000	
2	1.128	1.128	0.000	65984570	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.115	3.115	0.000	2654861	0.5000	0.4046	
1	3.203	3.203	0.000	1024131	0.5000	0.4823	
1	3.670	3.670	0.000	912165	0.5000	0.4949	
1	3.915	3.915	0.000	910308	0.5000	0.4807	
1	4.058	4.058	0.000	876269	0.5000	0.5018	
		Average of Peak Amounts =				0.4729	
2	2.898	2.898	0.000	3995511	0.5000	0.4613	
2	3.018	3.018	0.000	1519964	0.5000	0.4605	
2	3.403	3.403	0.000	1879637	0.5000	0.4662	
2	3.651	3.651	0.000	1413658	0.5000	0.4996	
2	3.903	3.903	0.000	1390280	0.5000	0.4544	
		Average of Peak Amounts =				0.4684	
						RPD = 0.95	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.833	5.833	0.000	2899044	0.5000	0.3794	
1	5.877	5.877	0.000	2488474	0.5000	0.3802	
1	6.104	6.104	0.000	2110871	0.5000	0.3737	
1	6.255	6.255	0.000	856456	0.5000	0.3555	
1	6.586	6.586	0.000	6752004	0.5000	0.3746	
		Average of Peak Amounts =				0.3727	
2	5.540	5.540	0.000	7009038	0.5000	0.4626	
2	5.579	5.579	0.000	6797278	0.5000	0.4885	
2	5.806	5.806	0.000	5595522	0.5000	0.4632	
2	5.973	5.973	0.000	2307031	0.5000	0.4653	
2	6.253	6.253	0.000	18448111	0.5000	0.4717	
		Average of Peak Amounts =				0.4703	
						RPD = 23.16	

Reagents:

42-68+IS CCV_00002 Amount Added: 1.00 Units: mL

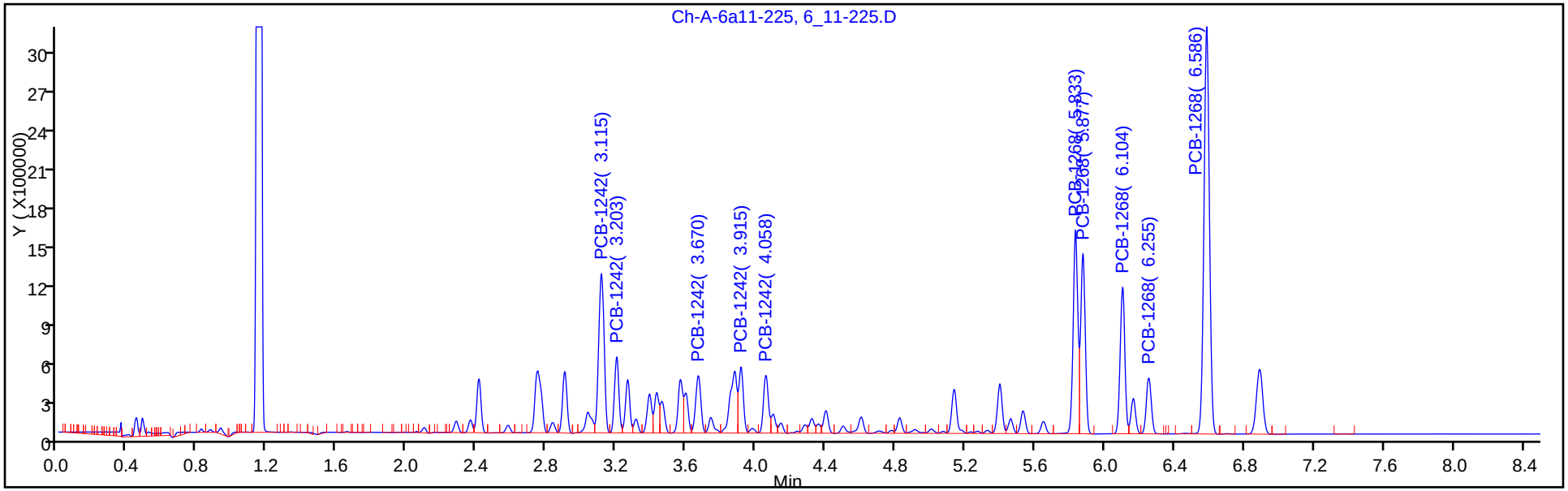
Report Date: 11-Oct-2016 12:59:50 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

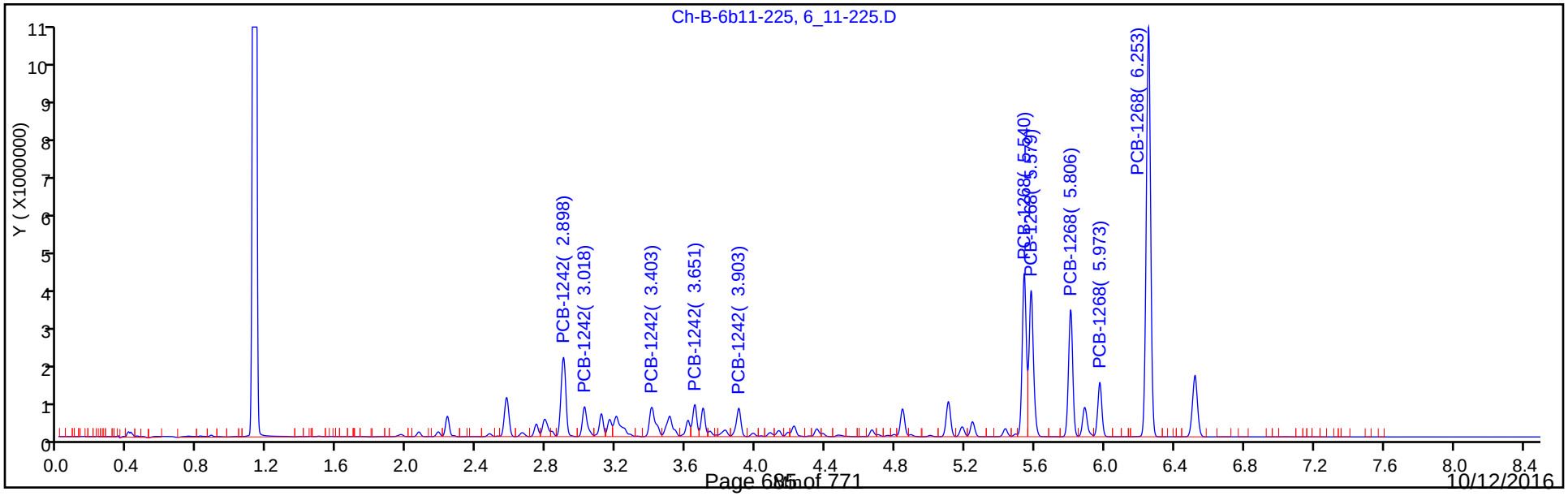
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-225.D

Injection Date:	11-Oct-2016 04:03:38	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/15 Calibration Date: 10/11/2016 04:03

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 01:20

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/16/2016 01:52

Lab File ID: 6_11-225.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0656	0.0606		0.461	0.500	-7.7	20.0
PCB-1242 Peak 2	Ave	0.0250	0.0230		0.461	0.500	-7.9	20.0
PCB-1242 Peak 3	Ave	0.0306	0.0285		0.466	0.500	-6.8	20.0
PCB-1242 Peak 4	Ave	0.0214	0.0214		0.500	0.500	-0.0	20.0
PCB-1242 Peak 5	Ave	0.0232	0.0211		0.454	0.500	-9.1	20.0
PCB-1268 Peak 1	Ave	0.1148	0.1062		0.463	0.500	-7.5	20.0
PCB-1268 Peak 2	Ave	0.1054	0.1030		0.488	0.500	-2.3	20.0
PCB-1268 Peak 3	Ave	0.0915	0.0848		0.463	0.500	-7.4	20.0
PCB-1268 Peak 4	Ave	0.0376	0.0350		0.465	0.500	-6.9	20.0
PCB-1268 Peak 5	Ave	0.2963	0.2796		0.472	0.500	-5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/15 Calibration Date: 10/11/2016 04:03

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 01:20

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/16/2016 01:52

Lab File ID: 6_11-225.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.90	2.87	2.93
PCB-1242 Peak 2	3.02	2.99	3.05
PCB-1242 Peak 3	3.40	3.37	3.43
PCB-1242 Peak 4	3.65	3.62	3.68
PCB-1242 Peak 5	3.90	3.87	3.93
PCB-1268 Peak 1	5.54	5.51	5.57
PCB-1268 Peak 2	5.58	5.55	5.61
PCB-1268 Peak 3	5.81	5.78	5.84
PCB-1268 Peak 4	5.97	5.94	6.00
PCB-1268 Peak 5	6.25	6.22	6.28

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-225.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 04:03:38 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:49 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 04:32:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45651290	0.5000	0.5000	
2	1.128	1.128	0.000	65984570	0.5000	0.5000	
						RPD = 0.00	
4 PCB-1242							
1	3.115	3.115	0.000	2654861	0.5000	0.4046	
1	3.203	3.203	0.000	1024131	0.5000	0.4823	
1	3.670	3.670	0.000	912165	0.5000	0.4949	
1	3.915	3.915	0.000	910308	0.5000	0.4807	
1	4.058	4.058	0.000	876269	0.5000	0.5018	
		Average of Peak Amounts =				0.4729	
2	2.898	2.898	0.000	3995511	0.5000	0.4613	
2	3.018	3.018	0.000	1519964	0.5000	0.4605	
2	3.403	3.403	0.000	1879637	0.5000	0.4662	
2	3.651	3.651	0.000	1413658	0.5000	0.4996	
2	3.903	3.903	0.000	1390280	0.5000	0.4544	
		Average of Peak Amounts =				0.4684	
						RPD = 0.95	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1268							
1	5.833	5.833	0.000	2899044	0.5000	0.3794	
1	5.877	5.877	0.000	2488474	0.5000	0.3802	
1	6.104	6.104	0.000	2110871	0.5000	0.3737	
1	6.255	6.255	0.000	856456	0.5000	0.3555	
1	6.586	6.586	0.000	6752004	0.5000	0.3746	
		Average of Peak Amounts =				0.3727	
2	5.540	5.540	0.000	7009038	0.5000	0.4626	
2	5.579	5.579	0.000	6797278	0.5000	0.4885	
2	5.806	5.806	0.000	5595522	0.5000	0.4632	
2	5.973	5.973	0.000	2307031	0.5000	0.4653	
2	6.253	6.253	0.000	18448111	0.5000	0.4717	
		Average of Peak Amounts =				0.4703	
						RPD = 23.16	

Reagents:

42-68+IS CCV_00002 Amount Added: 1.00 Units: mL

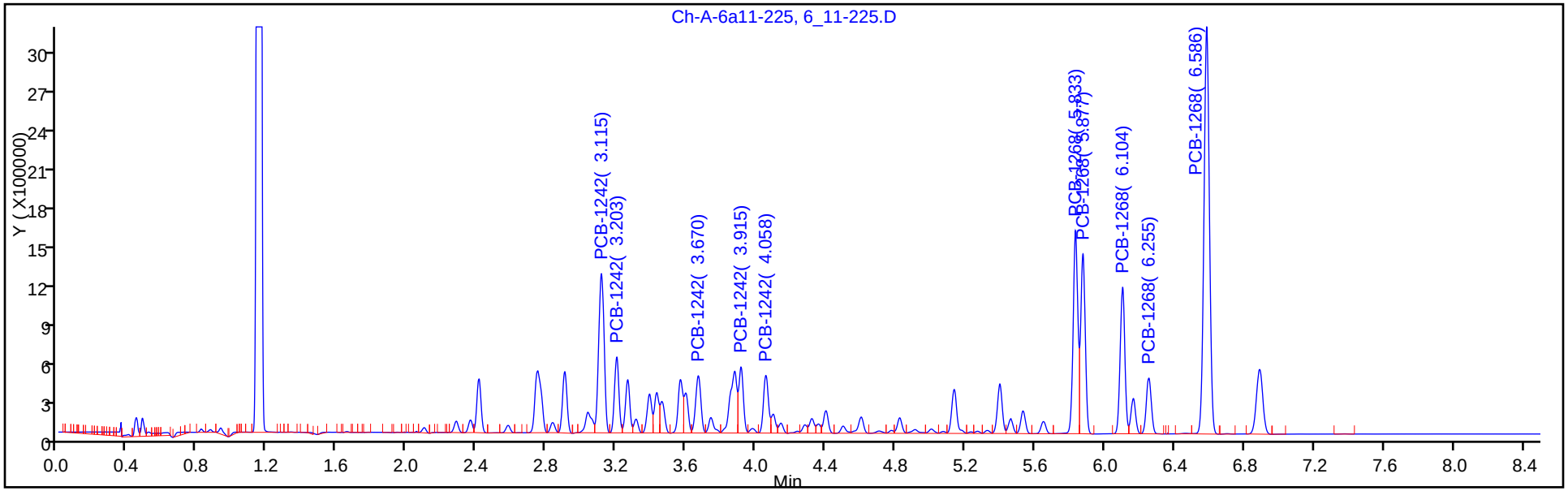
Report Date: 11-Oct-2016 12:59:51 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

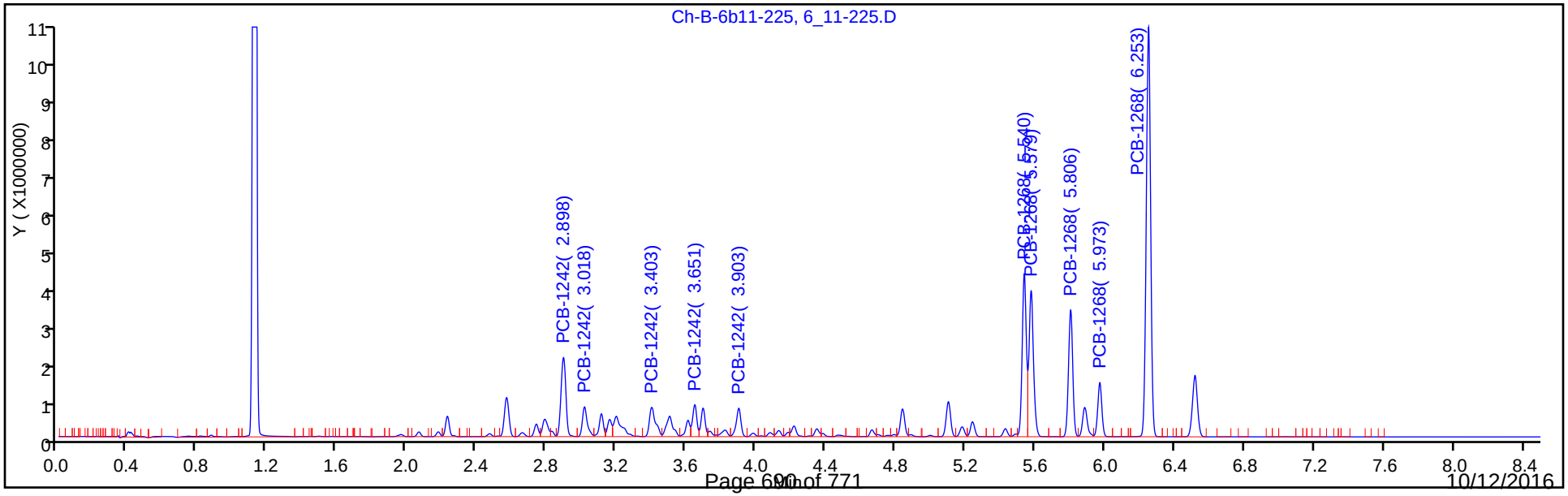
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-225.D

Injection Date:	11-Oct-2016 04:03:38	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/16 Calibration Date: 10/11/2016 04:19

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 02:24

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/16/2016 02:56

Lab File ID: 6_11-226.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0229	0.0211		0.461	0.500	-7.7	20.0
PCB-1248 Peak 2	Lin1		0.0289		0.501	0.500	0.1	20.0
PCB-1248 Peak 3	Lin1		0.0454		0.482	0.500	-3.6	20.0
PCB-1248 Peak 4	Lin1		0.0335		0.485	0.500	-3.0	20.0
PCB-1248 Peak 5	Lin1		0.0280		0.498	0.500	-0.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/16 Calibration Date: 10/11/2016 04:19

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 02:24

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/16/2016 02:56

Lab File ID: 6_11-226.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.39	3.36	3.42
PCB-1248 Peak 2	3.67	3.64	3.70
PCB-1248 Peak 3	3.88	3.85	3.91
PCB-1248 Peak 4	3.92	3.89	3.95
PCB-1248 Peak 5	4.06	4.03	4.09

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-226.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 04:19:40 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:52 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 04:34:28

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45619787	0.5000	0.5000	
2	1.128	1.128	0.000	66057561	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							M
1	3.391	3.391	0.000	963335	0.5000	0.4613	
1	3.670	3.670	0.000	1317300	0.5000	0.5007	
1	3.880	3.880	0.000	2073105	0.5000	0.4819	
1	3.915	3.915	0.000	1527703	0.5000	0.4850	
1	4.058	4.058	0.000	1275597	0.5000	0.4977	
		Average of Peak Amounts =				0.4853	
2	3.162	3.162	0.000	1346645	0.5000	0.4086	M
2	3.403	3.403	0.000	2557653	0.5000	0.4670	M
2	3.650	3.650	0.000	2397520	0.5000	0.5006	M
2	3.698	3.698	0.000	1864572	0.5000	0.4877	M
2	3.903	3.903	0.000	2230390	0.5000	0.4594	M
		Average of Peak Amounts =				0.4647	
						RPD = 4.35	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248+IS CCV_00002 Amount Added: 1.00 Units: mL

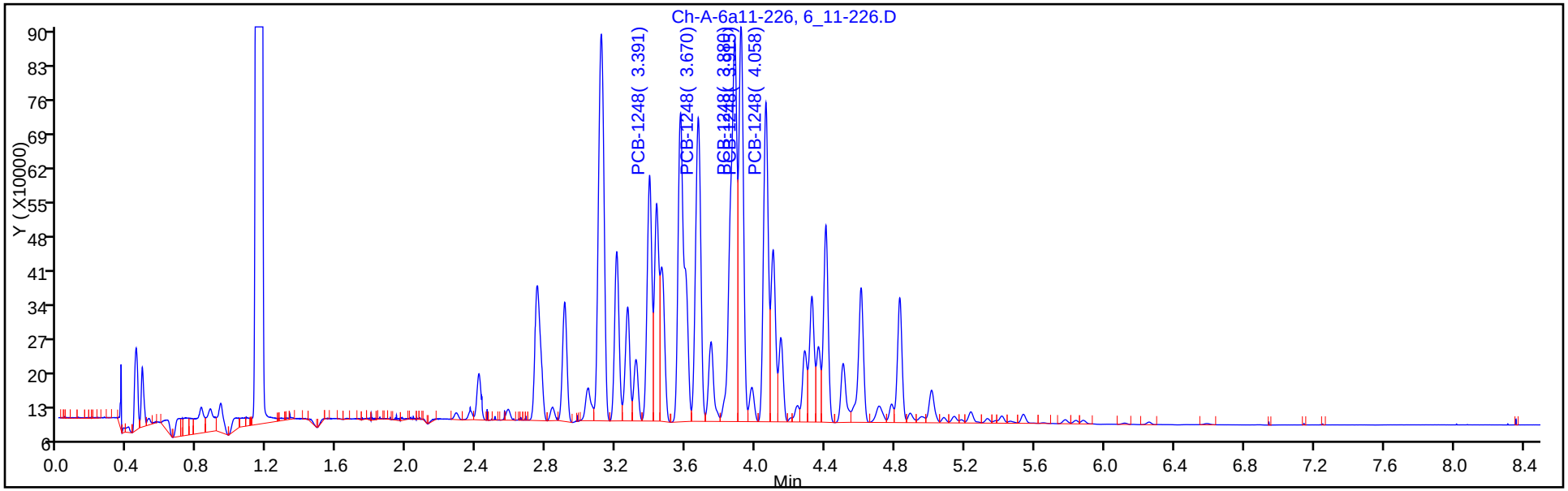
Report Date: 11-Oct-2016 12:59:52 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

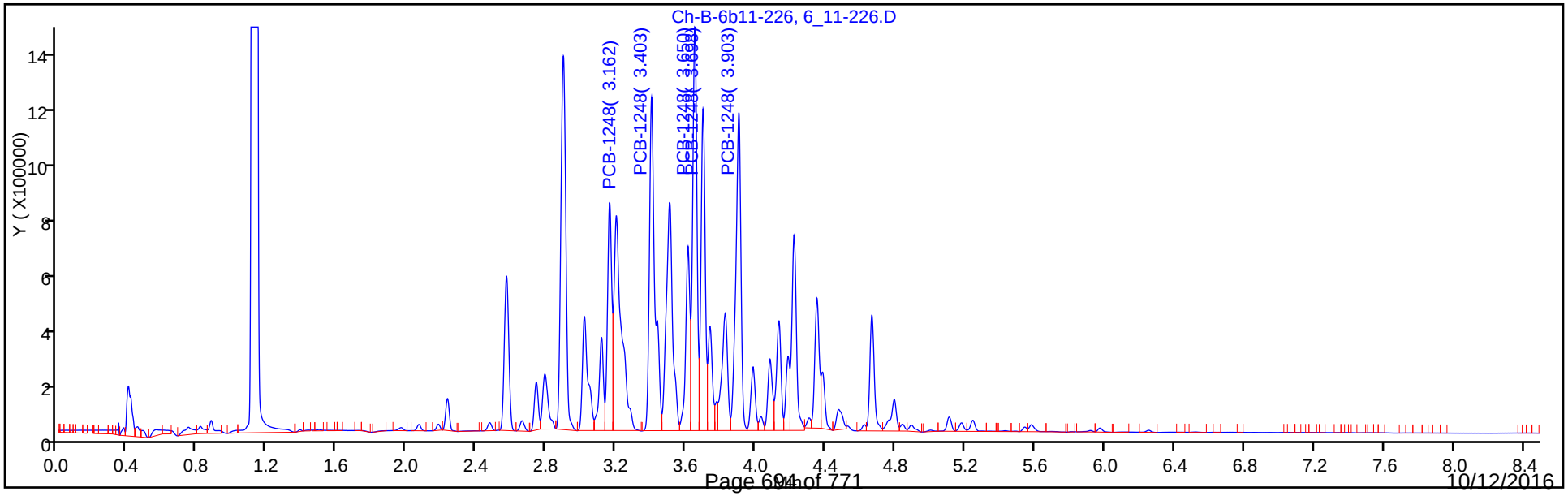
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-226.D

Injection Date:	11-Oct-2016 04:19:40	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/16 Calibration Date: 10/11/2016 04:19

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 02:24

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/16/2016 02:56

Lab File ID: 6_11-226.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	0.0249	0.0204		0.409	0.500	-18.3	20.0
PCB-1248 Peak 2	Ave	0.0415	0.0387		0.467	0.500	-6.6	20.0
PCB-1248 Peak 3	Ave	0.0362	0.0363		0.501	0.500	0.1	20.0
PCB-1248 Peak 4	Ave	0.0289	0.0282		0.488	0.500	-2.5	20.0
PCB-1248 Peak 5	Ave	0.0367	0.0338		0.459	0.500	-8.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/16 Calibration Date: 10/11/2016 04:19

Instrument ID: HP6890-6 Calib Start Date: 09/16/2016 02:24

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/16/2016 02:56

Lab File ID: 6_11-226.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.16	3.13	3.19
PCB-1248 Peak 2	3.40	3.37	3.43
PCB-1248 Peak 3	3.65	3.62	3.68
PCB-1248 Peak 4	3.70	3.67	3.73
PCB-1248 Peak 5	3.90	3.87	3.93

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-226.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 04:19:40 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:52 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 04:34:28

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	45619787	0.5000	0.5000	
2	1.128	1.128	0.000	66057561	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1248							M
1	3.391	3.391	0.000	963335	0.5000	0.4613	
1	3.670	3.670	0.000	1317300	0.5000	0.5007	
1	3.880	3.880	0.000	2073105	0.5000	0.4819	
1	3.915	3.915	0.000	1527703	0.5000	0.4850	
1	4.058	4.058	0.000	1275597	0.5000	0.4977	
		Average of Peak Amounts =				0.4853	
2	3.162	3.162	0.000	1346645	0.5000	0.4086	M
2	3.403	3.403	0.000	2557653	0.5000	0.4670	M
2	3.650	3.650	0.000	2397520	0.5000	0.5006	M
2	3.698	3.698	0.000	1864572	0.5000	0.4877	M
2	3.903	3.903	0.000	2230390	0.5000	0.4594	M
		Average of Peak Amounts =				0.4647	
						RPD = 4.35	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248+IS CCV_00002 Amount Added: 1.00 Units: mL

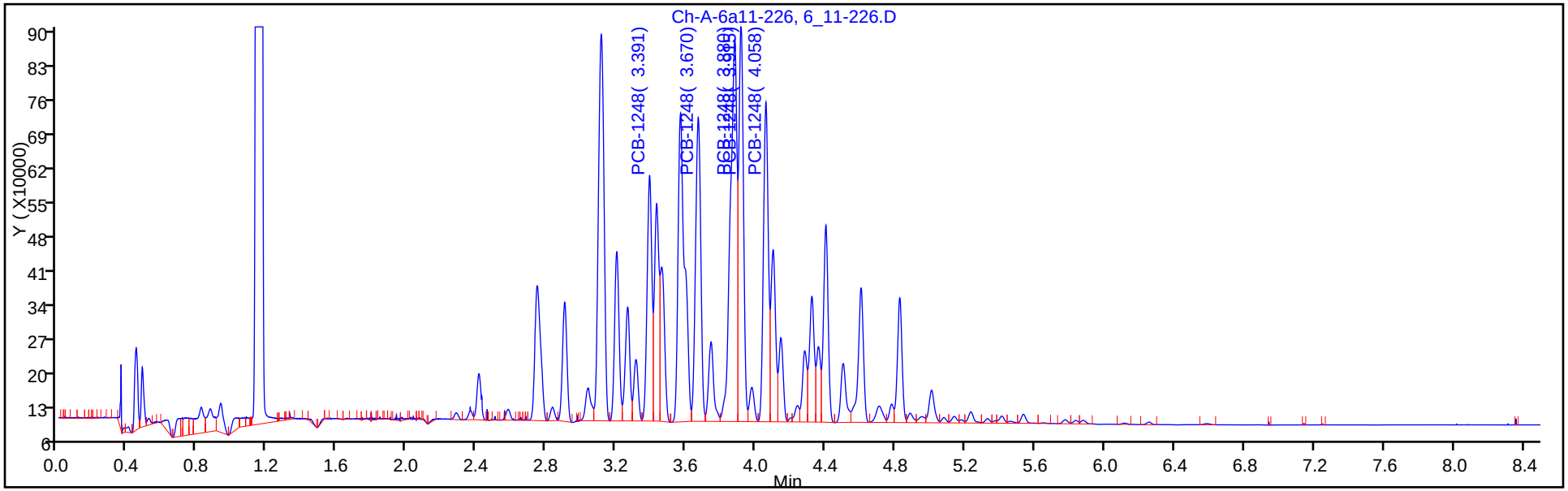
Report Date: 11-Oct-2016 12:59:53 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

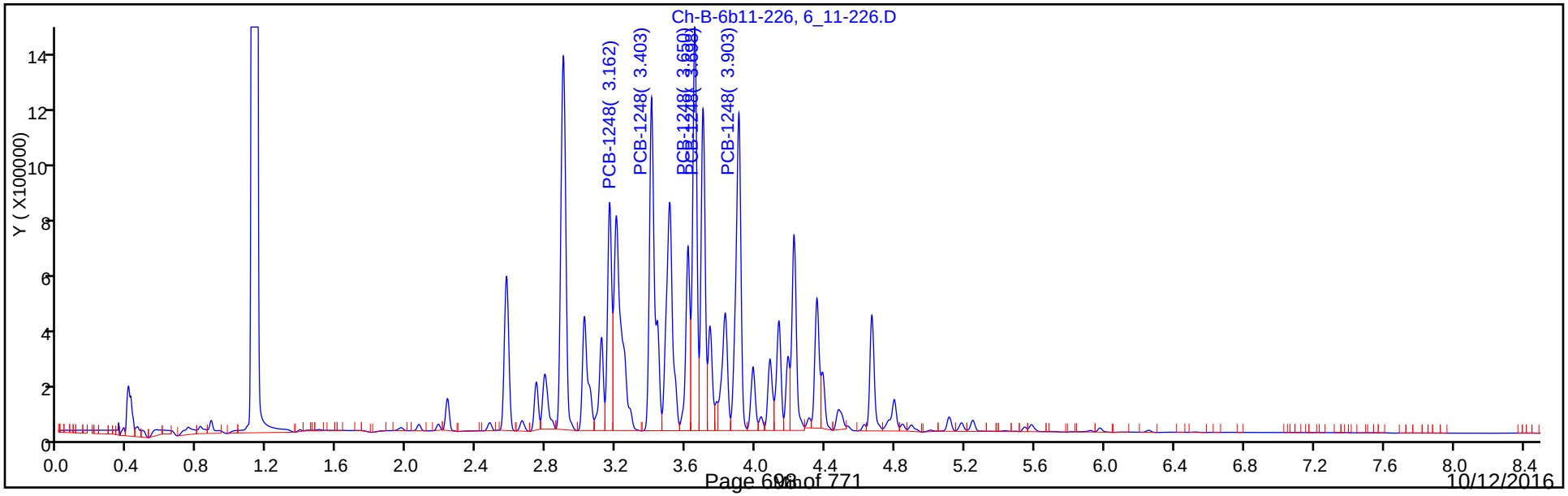
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-226.D

Injection Date:	11-Oct-2016 04:19:40	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 11-Oct-2016 12:59:53 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-226.D

Injection Date: 11-Oct-2016 04:19:40 Instrument ID: HP6890-6

Lims ID: CCV

Client ID:

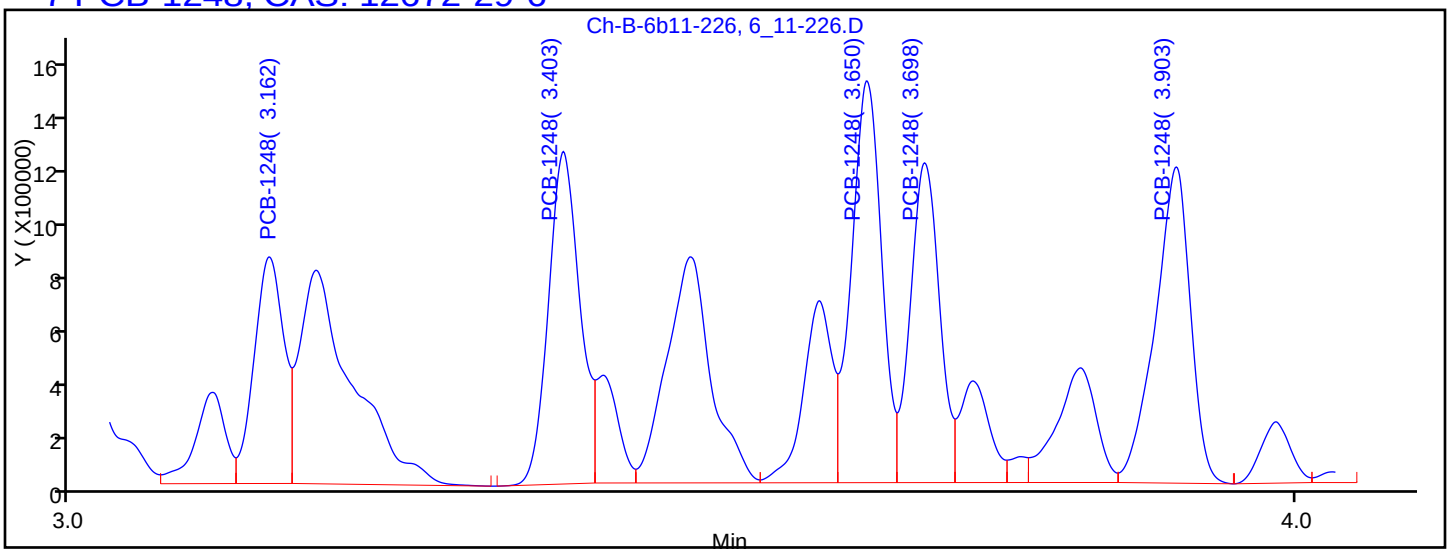
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

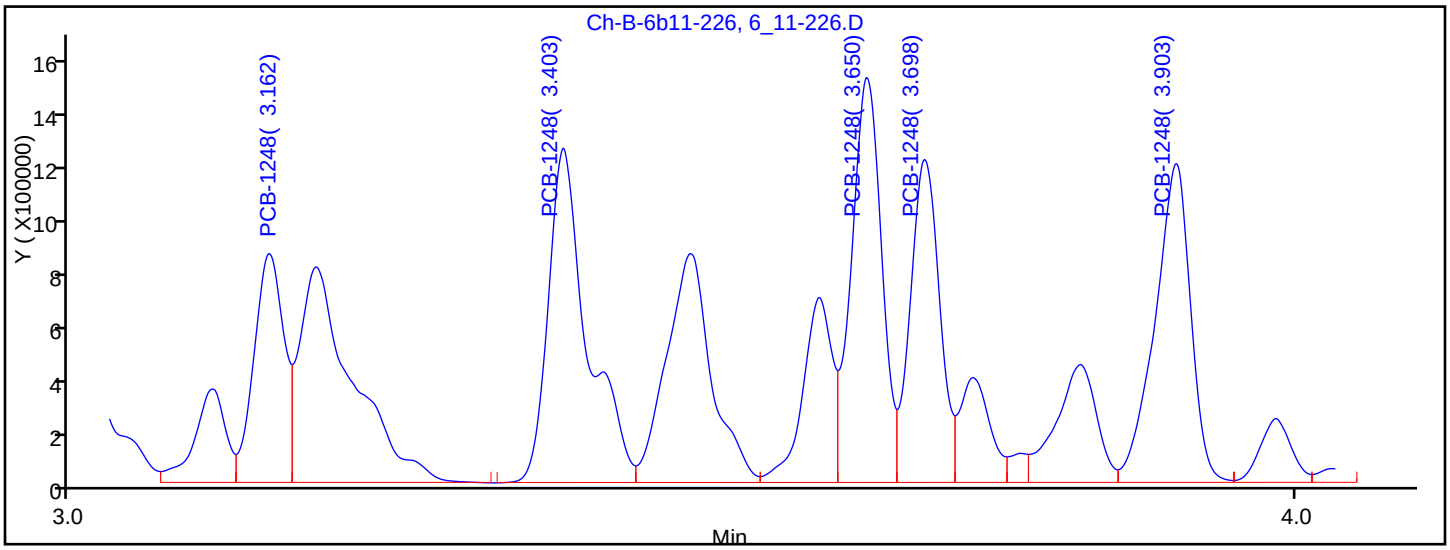
Column: Detector Ch-B-7b136

7 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.162	Response = 1325877
3.403	Response = 2049476
3.650	Response = 2366657
3.698	Response = 1833791
3.903	Response = 2181664



Manual Integration Results

3.162	Response = 1346645	M
3.403	Response = 2557653	M
3.650	Response = 2397520	M
3.698	Response = 1864572	M
3.903	Response = 2230390	M

Reviewer: sobolk, 11-Oct-2016 04:34:28

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/35 Calibration Date: 10/11/2016 09:25

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-245.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0376	0.0319		0.424	0.500	-15.2	20.0
PCB-1016 Peak 2	Lin1		0.0228		0.514	0.500	2.8	20.0
PCB-1016 Peak 3	Ave	0.0867	0.0722		0.416	0.500	-16.7	20.0
PCB-1016 Peak 4	Lin1		0.0278		0.496	0.500	-0.7	20.0
PCB-1016 Peak 5	Lin1		0.0194		0.498	0.500	-0.3	20.0
PCB-1260 Peak 1	Ave	0.0552	0.0464		0.420	0.500	-15.9	20.0
PCB-1260 Peak 2	Ave	0.0305	0.0261		0.427	0.500	-14.5	20.0
PCB-1260 Peak 3	Ave	0.0280	0.0223		0.398	0.500	-20.4*	20.0
PCB-1260 Peak 4	Ave	0.0639	0.0458		0.358	0.500	-28.4*	20.0
PCB-1260 Peak 5	Ave	0.0303	0.0247		0.407	0.500	-18.5	20.0
Tetrachloro-m-xylene	Lin1		1.027		0.0288	0.0300	-3.9	20.0
DCB Decachlorobiphenyl	Lin1		0.3849		0.0264	0.0300	-12.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/35 Calibration Date: 10/11/2016 09:25

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-245.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.75	2.72	2.78
PCB-1016 Peak 2	2.91	2.88	2.94
PCB-1016 Peak 3	3.12	3.09	3.15
PCB-1016 Peak 4	3.20	3.17	3.23
PCB-1016 Peak 5	3.27	3.24	3.30
PCB-1260 Peak 1	5.01	4.98	5.04
PCB-1260 Peak 2	5.14	5.11	5.17
PCB-1260 Peak 3	5.33	5.30	5.36
PCB-1260 Peak 4	5.54	5.51	5.57
PCB-1260 Peak 5	5.78	5.75	5.81
Tetrachloro-m-xylene	2.14	2.11	2.17
DCB Decachlorobiphenyl	6.89	6.86	6.92

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-245.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 09:25:06 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 13:00:55 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	43323266	0.5000	0.5000	
2	1.128	1.128	0.000	64626065	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.137	2.137	0.000	2668800	0.0300	0.0288	
2	1.797	1.797	0.000	3428734	0.0300	0.0242	
						RPD = 17.35	
6 PCB-1016							
1	2.748	2.748	0.000	1383018	0.5000	0.4240	
1	2.905	2.905	0.000	986826	0.5000	0.5141	
1	3.117	3.117	0.000	3127375	0.5000	0.4164	
1	3.203	3.203	0.000	1204708	0.5000	0.4963	
1	3.265	3.265	0.000	840171	0.5000	0.4984	
		Average of Peak Amounts =				0.4699	
2	2.573	2.573	0.000	2176288	0.5000	0.4448	
2	2.899	2.899	0.000	4711563	0.5000	0.4650	
2	3.018	3.018	0.000	1799338	0.5000	0.4657	
2	3.116	3.116	0.000	1138536	0.5000	0.4443	
2	3.403	3.403	0.000	2126026	0.5000	0.4748	
		Average of Peak Amounts =				0.4589	
						RPD = 2.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.008	5.008	0.000	2011338	0.5000	0.4205	
1	5.138	5.138	0.000	1131260	0.5000	0.4275	
1	5.329	5.329	0.000	966746	0.5000	0.3979	
1	5.536	5.536	0.000	1982478	0.5000	0.3581	
1	5.777	5.777	0.000	1067786	0.5000	0.4073	
		Average of Peak Amounts =				0.4023	
2	4.794	4.794	0.000	2653365	0.5000	0.4980	
2	4.843	4.843	0.000	2268989	0.5000	0.4892	
2	5.107	5.107	0.000	2340765	0.5000	0.5010	
2	5.244	5.244	0.000	5627326	0.5000	0.4754	
2	5.580	5.580	0.000	3399348	0.5000	0.5102	
		Average of Peak Amounts =				0.4948	
						RPD = 20.62	
9 1260 Res 1							
1	5.777	5.777	0.000	1067786	NR	NR	
2	5.107	5.107	0.000	2340765	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	5.834	5.834	0.000	482072	NR	NR	
2	5.174	5.174	0.000	1773541	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	5.879	5.879	0.000	571805	NR	NR	
2	5.244	5.244	0.000	5627326	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	6.890	6.890	0.000	1000591	0.0300	0.0264	
2	6.518	6.518	0.000	2452535	0.0300	0.0295	
						RPD = 11.18	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

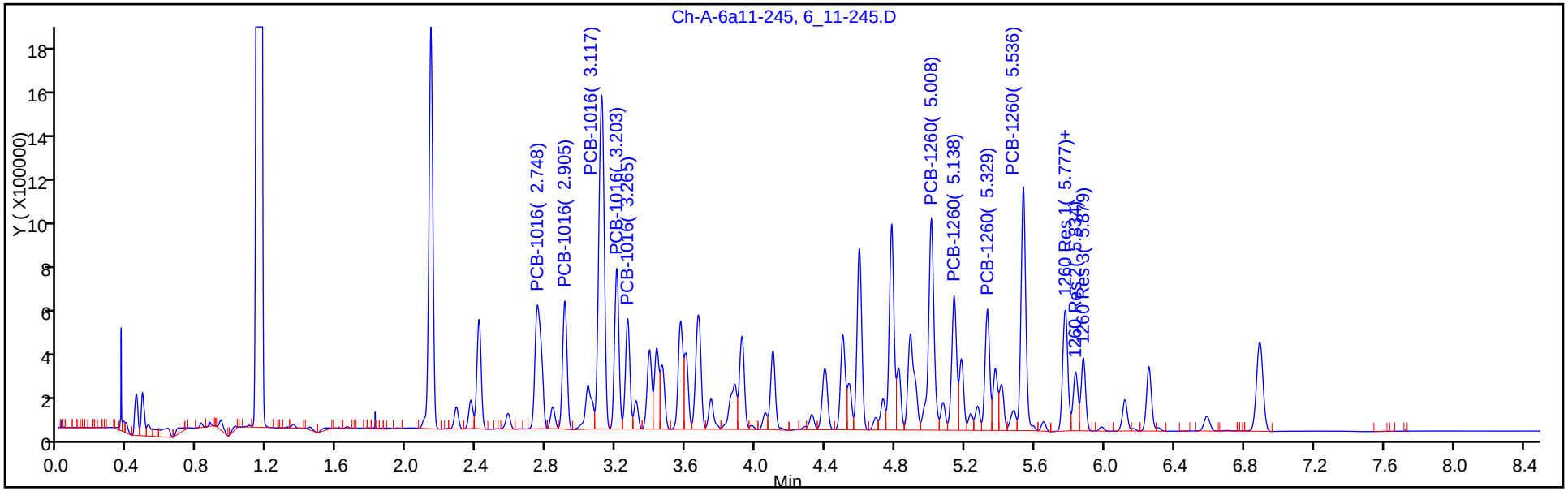
Report Date: 11-Oct-2016 13:00:55 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

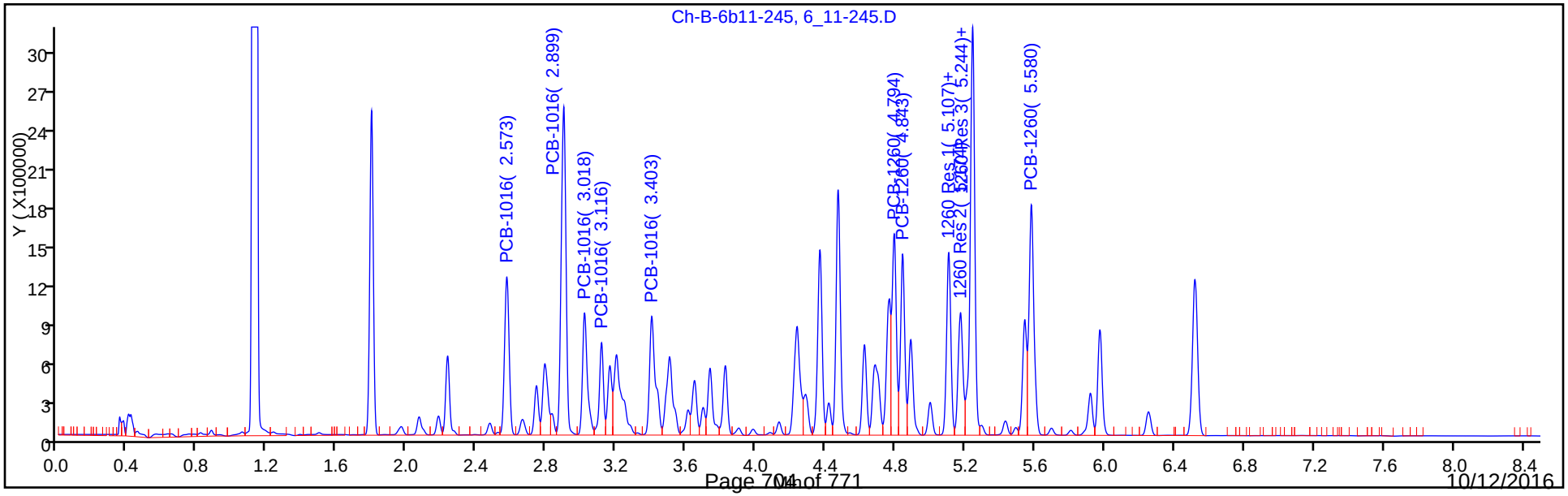
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-245.D

Injection Date:	11-Oct-2016 09:25:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/35 Calibration Date: 10/11/2016 09:25

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-245.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0379	0.0337		0.445	0.500	-11.0	20.0
PCB-1016 Peak 2	Ave	0.0784	0.0729		0.465	0.500	-7.0	20.0
PCB-1016 Peak 3	Ave	0.0299	0.0278		0.466	0.500	-6.9	20.0
PCB-1016 Peak 4	Ave	0.0198	0.0176		0.444	0.500	-11.1	20.0
PCB-1016 Peak 5	Ave	0.0346	0.0329		0.475	0.500	-5.0	20.0
PCB-1260 Peak 1	Ave	0.0412	0.0411		0.498	0.500	-0.4	20.0
PCB-1260 Peak 2	Ave	0.0359	0.0351		0.489	0.500	-2.2	20.0
PCB-1260 Peak 3	Ave	0.0361	0.0362		0.501	0.500	0.2	20.0
PCB-1260 Peak 4	Ave	0.0916	0.0871		0.475	0.500	-4.9	20.0
PCB-1260 Peak 5	Ave	0.0515	0.0526		0.510	0.500	2.0	20.0
Tetrachloro-m-xylene	Ave	1.095	0.8843		0.0242	0.0300	-19.2	20.0
DCB Decachlorobiphenyl	Lin1		0.6325		0.0295	0.0300	-1.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Lab Sample ID: CCV 480-324833/35 Calibration Date: 10/11/2016 09:25

Instrument ID: HP6890-6 Calib Start Date: 09/15/2016 20:00

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/15/2016 21:36

Lab File ID: 6_11-245.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.57	2.54	2.60
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.02	2.99	3.05
PCB-1016 Peak 4	3.12	3.09	3.15
PCB-1016 Peak 5	3.40	3.37	3.43
PCB-1260 Peak 1	4.79	4.76	4.82
PCB-1260 Peak 2	4.84	4.81	4.87
PCB-1260 Peak 3	5.11	5.08	5.14
PCB-1260 Peak 4	5.24	5.21	5.27
PCB-1260 Peak 5	5.58	5.55	5.61
Tetrachloro-m-xylene	1.80	1.77	1.83
DCB Decachlorobiphenyl	6.52	6.49	6.55

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-245.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 11-Oct-2016 09:25:06 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-6
Sublist: chrom-6890-6 PCB*sub3

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 13:00:55 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	0.000	43323266	0.5000	0.5000	
2	1.128	1.128	0.000	64626065	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.137	2.137	0.000	2668800	0.0300	0.0288	
2	1.797	1.797	0.000	3428734	0.0300	0.0242	
						RPD = 17.35	
6 PCB-1016							
1	2.748	2.748	0.000	1383018	0.5000	0.4240	
1	2.905	2.905	0.000	986826	0.5000	0.5141	
1	3.117	3.117	0.000	3127375	0.5000	0.4164	
1	3.203	3.203	0.000	1204708	0.5000	0.4963	
1	3.265	3.265	0.000	840171	0.5000	0.4984	
		Average of Peak Amounts =				0.4699	
2	2.573	2.573	0.000	2176288	0.5000	0.4448	
2	2.899	2.899	0.000	4711563	0.5000	0.4650	
2	3.018	3.018	0.000	1799338	0.5000	0.4657	
2	3.116	3.116	0.000	1138536	0.5000	0.4443	
2	3.403	3.403	0.000	2126026	0.5000	0.4748	
		Average of Peak Amounts =				0.4589	
						RPD = 2.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							
1	5.008	5.008	0.000	2011338	0.5000	0.4205	
1	5.138	5.138	0.000	1131260	0.5000	0.4275	
1	5.329	5.329	0.000	966746	0.5000	0.3979	
1	5.536	5.536	0.000	1982478	0.5000	0.3581	
1	5.777	5.777	0.000	1067786	0.5000	0.4073	
		Average of Peak Amounts =				0.4023	
2	4.794	4.794	0.000	2653365	0.5000	0.4980	
2	4.843	4.843	0.000	2268989	0.5000	0.4892	
2	5.107	5.107	0.000	2340765	0.5000	0.5010	
2	5.244	5.244	0.000	5627326	0.5000	0.4754	
2	5.580	5.580	0.000	3399348	0.5000	0.5102	
		Average of Peak Amounts =				0.4948	
						RPD = 20.62	
9 1260 Res 1							
1	5.777	5.777	0.000	1067786	NR	NR	
2	5.107	5.107	0.000	2340765	NR	NR	
						RPD = NaN	
14 1260 Res 2							
1	5.834	5.834	0.000	482072	NR	NR	
2	5.174	5.174	0.000	1773541	NR	NR	
						RPD = NaN	
12 1260 Res 3							
1	5.879	5.879	0.000	571805	NR	NR	
2	5.244	5.244	0.000	5627326	NR	NR	
						RPD = NaN	
$ 15 DCB Decachlorobiphenyl							
1	6.890	6.890	0.000	1000591	0.0300	0.0264	
2	6.518	6.518	0.000	2452535	0.0300	0.0295	
						RPD = 11.18	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

AR1660_0.5+IS_00006 Amount Added: 1.00 Units: mL

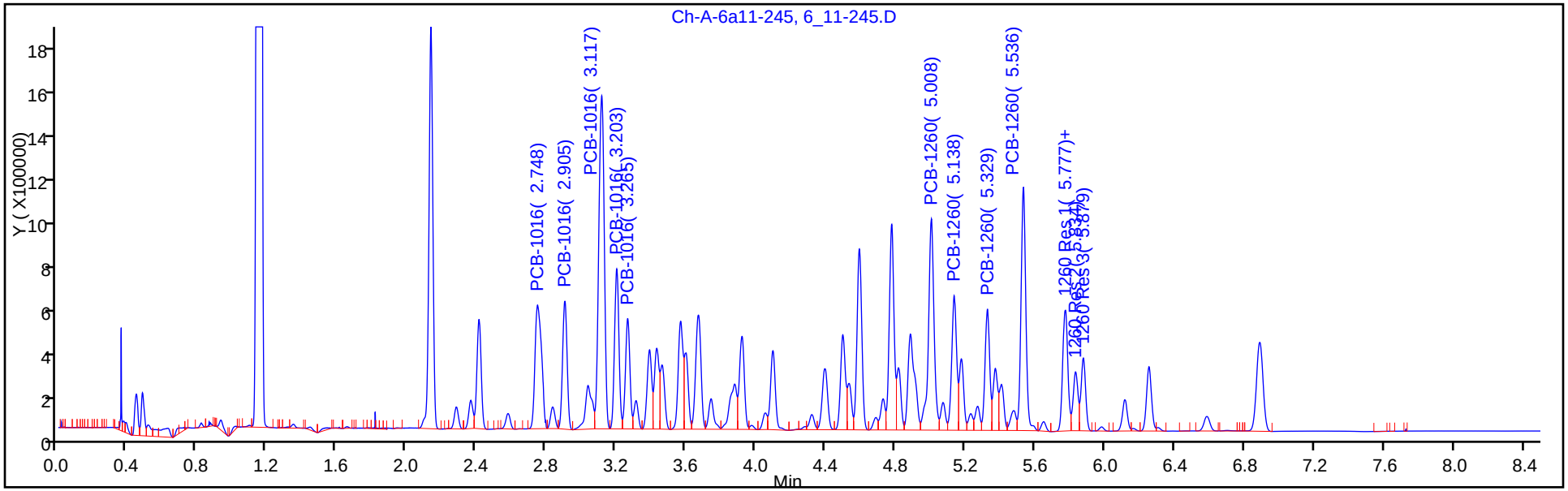
Report Date: 11-Oct-2016 13:00:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

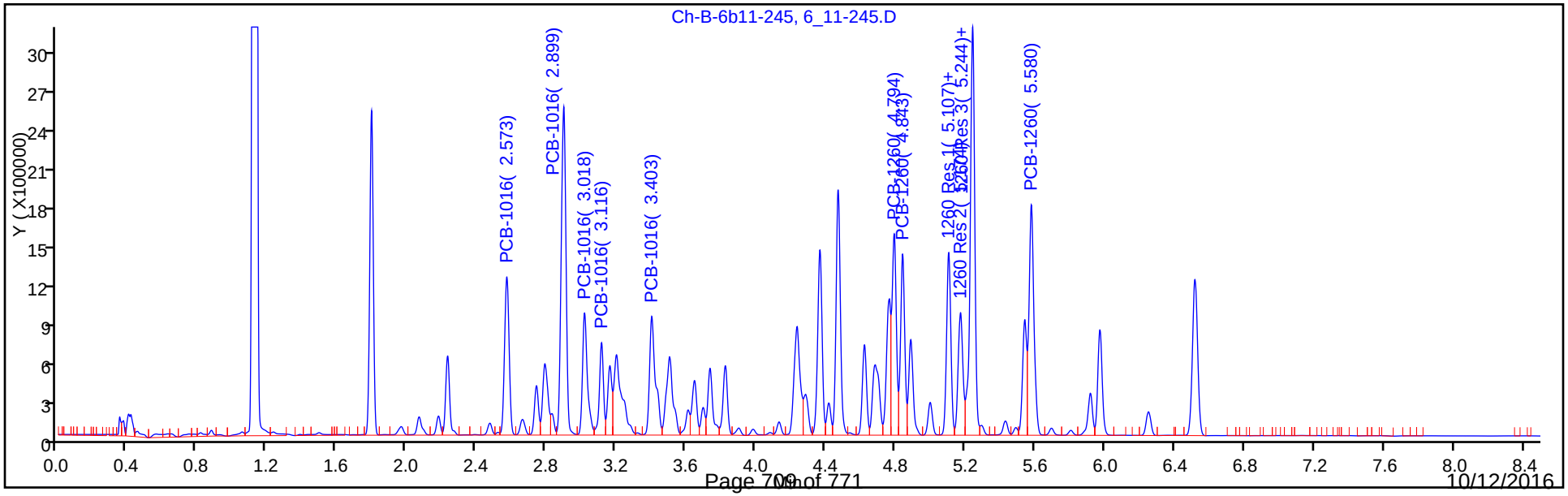
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-245.D

Injection Date:	11-Oct-2016 09:25:06	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-324269/1-A

Matrix: Solid | Lab File ID: 12_374m_314.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.91(g) | Date Analyzed: 10/08/2016 15:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.17	0.034
11104-28-2	PCB-1221	ND		0.17	0.034
11141-16-5	PCB-1232	ND		0.17	0.034
53469-21-9	PCB-1242	ND		0.17	0.034
12672-29-6	PCB-1248	ND		0.17	0.034
11097-69-1	PCB-1254	ND		0.17	0.080
11096-82-5	PCB-1260	ND		0.17	0.080

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	143		60-154
2051-24-3	DCB Decachlorobiphenyl	144		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_314.D
Lims ID: MB 480-324269/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Oct-2016 15:03:53 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:51

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.148	0.001	999335	0.5000	0.5000	
2	1.581	1.580	0.001	849265	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.581	1.580	0.001	59889	0.0200	0.0261	
2	2.146	2.146	0.000	41260	0.0200	0.0285	
						RPD = 8.81	
$ 15 DCB Decachlorobiphenyl							
1	5.433	5.435	-0.002	106888	0.0200	0.0313	
2	7.060	7.062	-0.002	81612	0.0200	0.0287	
						RPD = 8.37	

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

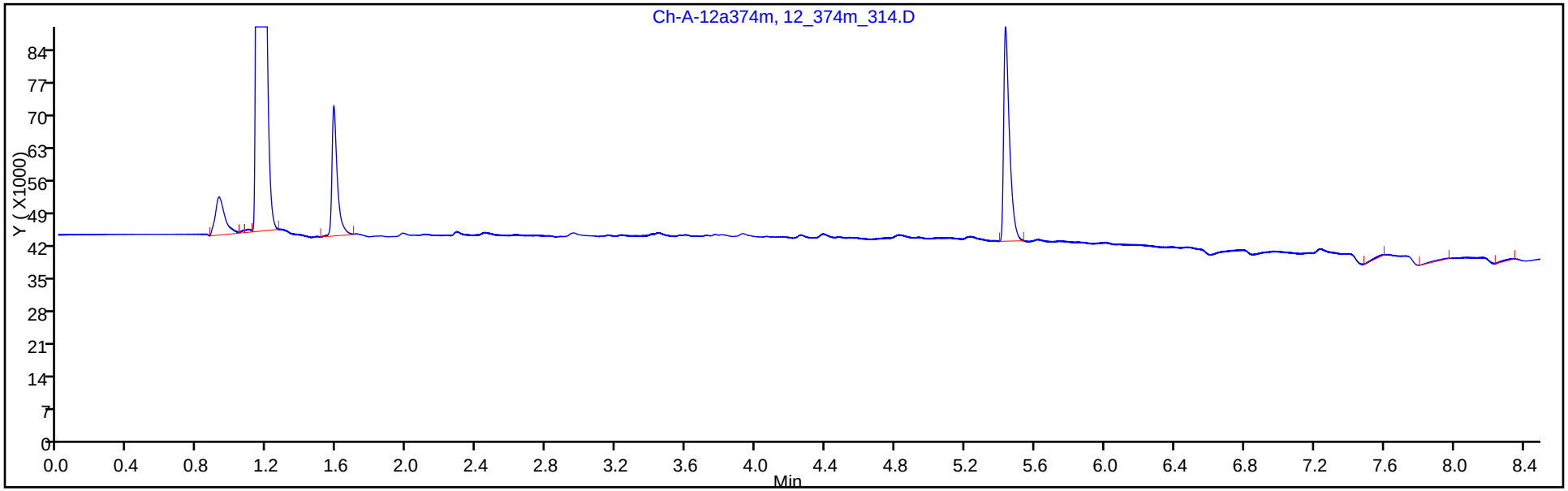
Report Date: 10-Oct-2016 12:51:52 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

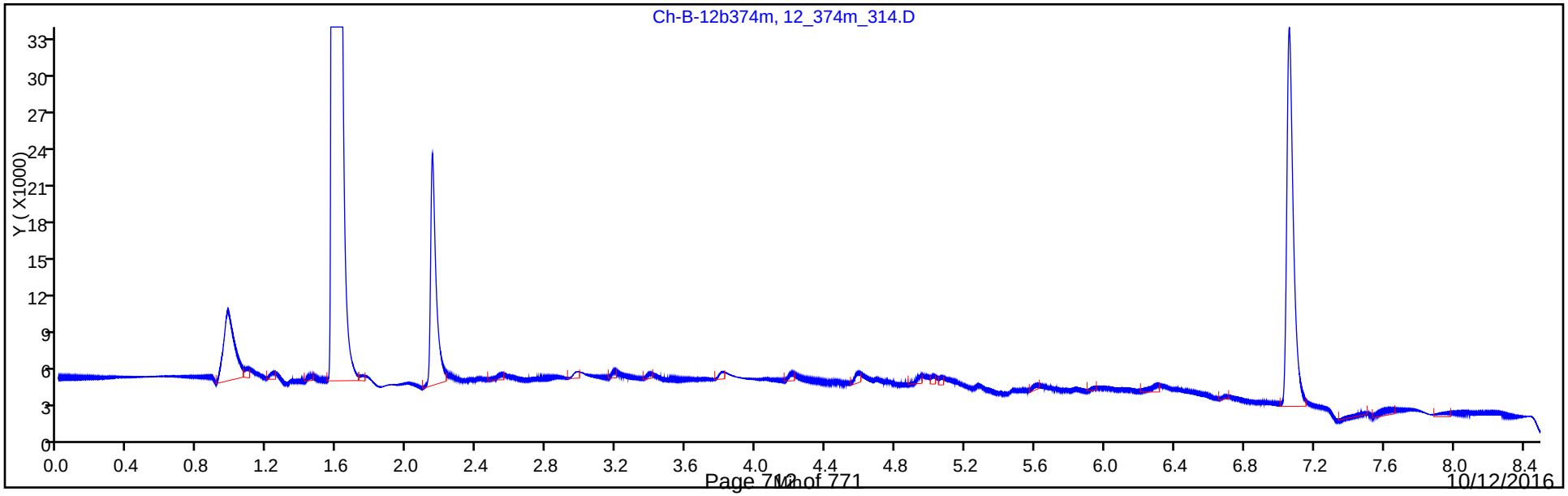
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_314.D

Injection Date:	08-Oct-2016 15:03:53	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	MB 480-324269/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_314.D
Lims ID: MB 480-324269/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Oct-2016 15:03:53 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:51:43 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:51:51

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0261	130.68
$ 15 DCB Decachlorobiphenyl	0.0200	0.0313	156.26

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0285	142.73
$ 15 DCB Decachlorobiphenyl	0.0200	0.0287	143.71

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-324647/1-A

Matrix: Water | Lab File ID: 6_11-214.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 10/10/2016 07:50

Sample wt/vol: 250(mL) | Date Analyzed: 10/11/2016 01:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324833 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	65		39-121
2051-24-3	DCB Decachlorobiphenyl	56		19-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-214.D
Lims ID: MB 480-324647/1-A
Client ID:
Sample Type: MB
Inject. Date: 11-Oct-2016 01:06:44 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:18 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: RudzG Date: 11-Oct-2016 12:47:22

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.153	1.153	-0.001	34974085	0.5000	0.5000	
2	1.128	1.128	0.000	61225456	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.140	2.136	0.004	1459419	0.0200	0.0194	
2	1.797	1.796	0.001	1751541	0.0200	0.0131	
						RPD = 39.17	
$ 15 DCB Decachlorobiphenyl							
1	6.888	6.893	-0.004	351800	0.0200	0.0112	
2	6.519	6.519	0.000	900550	0.0200	0.0113	
						RPD = 0.23	

Reagents:

PCB IS 1B2NB_00016	Amount Added: 20.00	Units: uL	Run Reagent
COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent

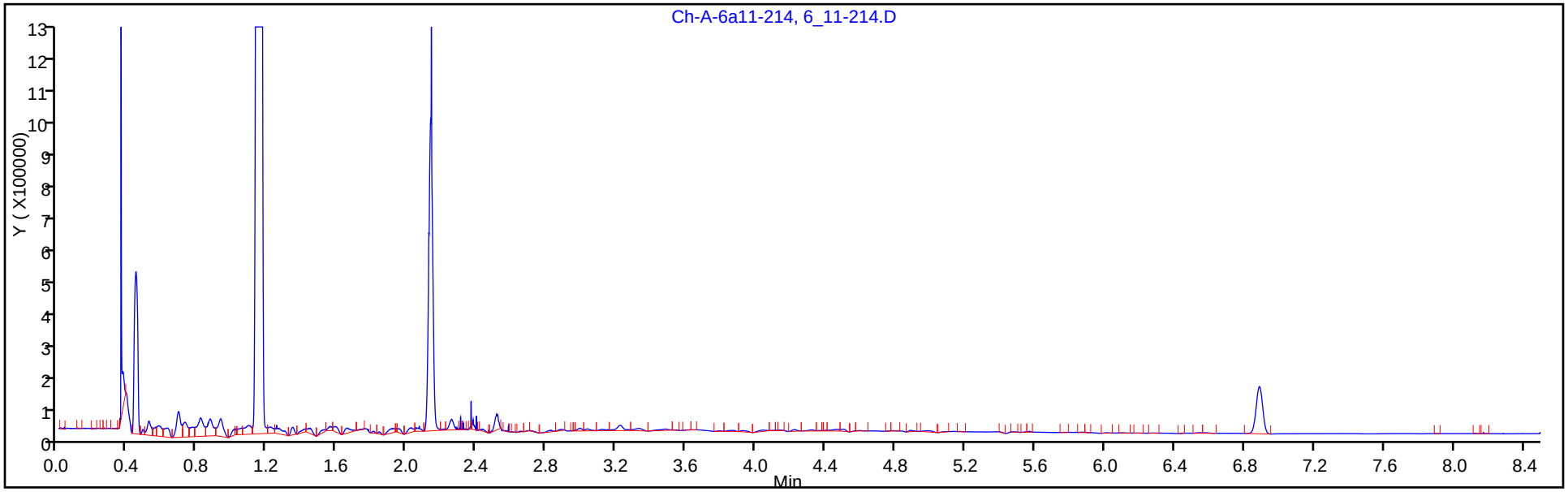
Report Date: 11-Oct-2016 12:59:22 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

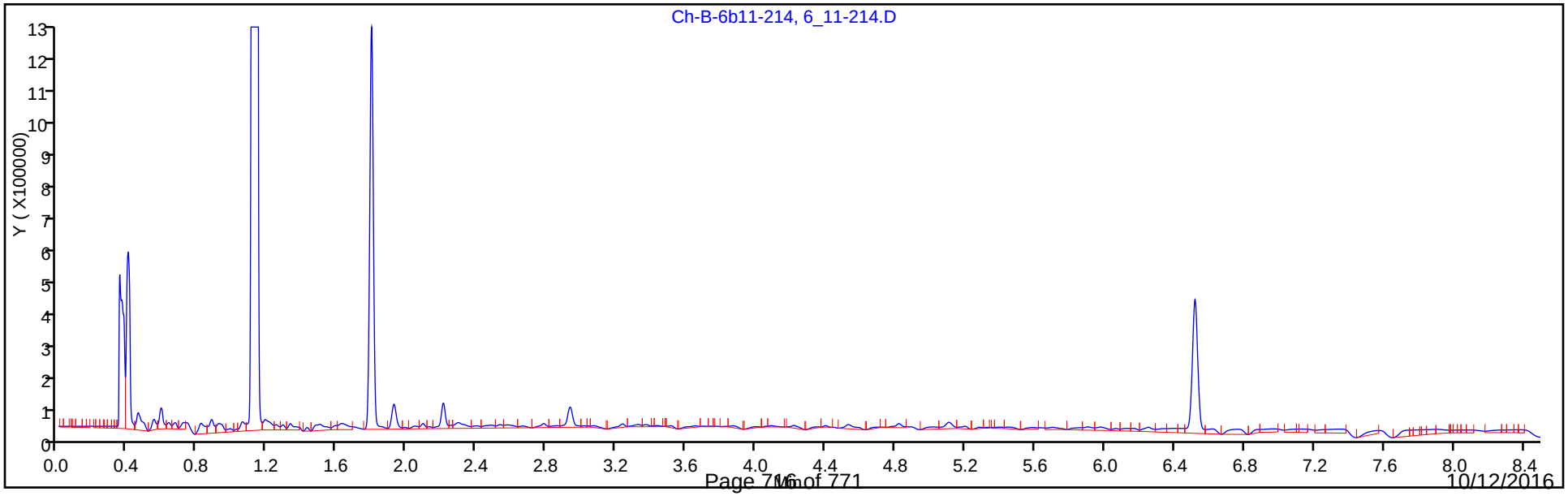
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-214.D

Injection Date:	11-Oct-2016 01:06:44	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	MB 480-324647/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-214.D
Lims ID: MB 480-324647/1-A
Client ID:
Sample Type: MB
Inject. Date: 11-Oct-2016 01:06:44 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:18 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: RudzG Date: 11-Oct-2016 12:47:22

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0194	97.13
$ 15 DCB Decachlorobiphenyl	0.0200	0.0112	56.15

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0131	65.32
$ 15 DCB Decachlorobiphenyl	0.0200	0.0113	56.29

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-324269/2-A

Matrix: Solid | Lab File ID: 12_374m_315.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.87(g) | Date Analyzed: 10/08/2016 15:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.27		0.17	0.034
11096-82-5	PCB-1260	2.61		0.17	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	152		60-154
2051-24-3	DCB Decachlorobiphenyl	156		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_315.D
Lims ID: LCS 480-324269/2-A
Client ID:
Sample Type: LCS
Inject. Date: 08-Oct-2016 15:19:16 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:52:32 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:52:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.150	1.148	0.002	1039114	0.5000	0.5000	
2	1.581	1.580	0.001	878488	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.581	1.580	0.001	75451	0.0200	0.0317	M
2	2.145	2.146	-0.001	45394	0.0200	0.0304	
						RPD = 4.21	
9 PCB-1016							M
1	1.739	1.739	0.000	55596	0.5000	0.8372	M
1	2.048	2.049	-0.001	60541	0.5000	0.8592	M
1	2.191	2.193	-0.002	155893	0.5000	0.7872	M
1	2.255	2.257	-0.002	67609	0.5000	0.7894	M
1	2.298	2.299	-0.001	66106	0.5000	1.19	M
		Average of Peak Amounts =				0.8918	
2	2.545	2.545	0.000	30150	0.5000	0.6421	
2	2.858	2.858	0.000	61174	0.5000	0.6590	
2	3.065	3.065	0.000	33038	0.5000	0.6243	
2	3.157	3.159	-0.002	111182	0.5000	0.7116	
2	3.278	3.280	-0.002	40596	0.5000	0.6228	
		Average of Peak Amounts =				0.6520	
						RPD = 31.07	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.765	3.767	-0.002	193301	0.5000	1.04	M
1	3.889	3.891	-0.002	77777	0.5000	0.7346	M
1	4.063	4.065	-0.002	74233	0.5000	0.7912	M
1	4.255	4.257	-0.002	241073	0.5000	0.8452	M
1	4.476	4.479	-0.003	107906	0.5000	0.8843	M
		Average of Peak Amounts =				0.8586	
2	5.019	5.021	-0.002	93491	0.5000	0.8613	
2	5.339	5.341	-0.002	61456	0.5000	0.7251	
2	5.405	5.406	-0.001	51167	0.5000	0.7122	
2	5.468	5.469	-0.001	176849	0.5000	0.7305	
2	5.829	5.831	-0.002	114940	0.5000	0.7152	
		Average of Peak Amounts =				0.7488	
						RPD = 13.66	
$ 15 DCB Decachlorobiphenyl							
1	5.433	5.435	-0.002	119509	0.0200	0.0336	
2	7.059	7.062	-0.003	91492	0.0200	0.0311	
						RPD = 7.58	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

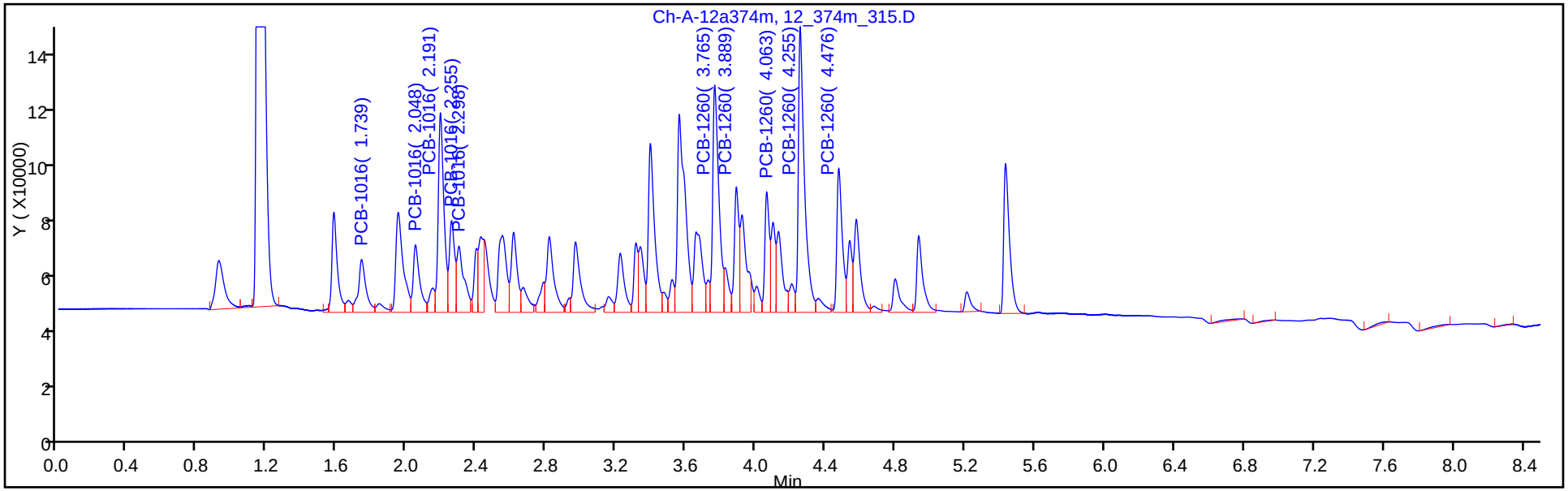
Report Date: 10-Oct-2016 12:52:33 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

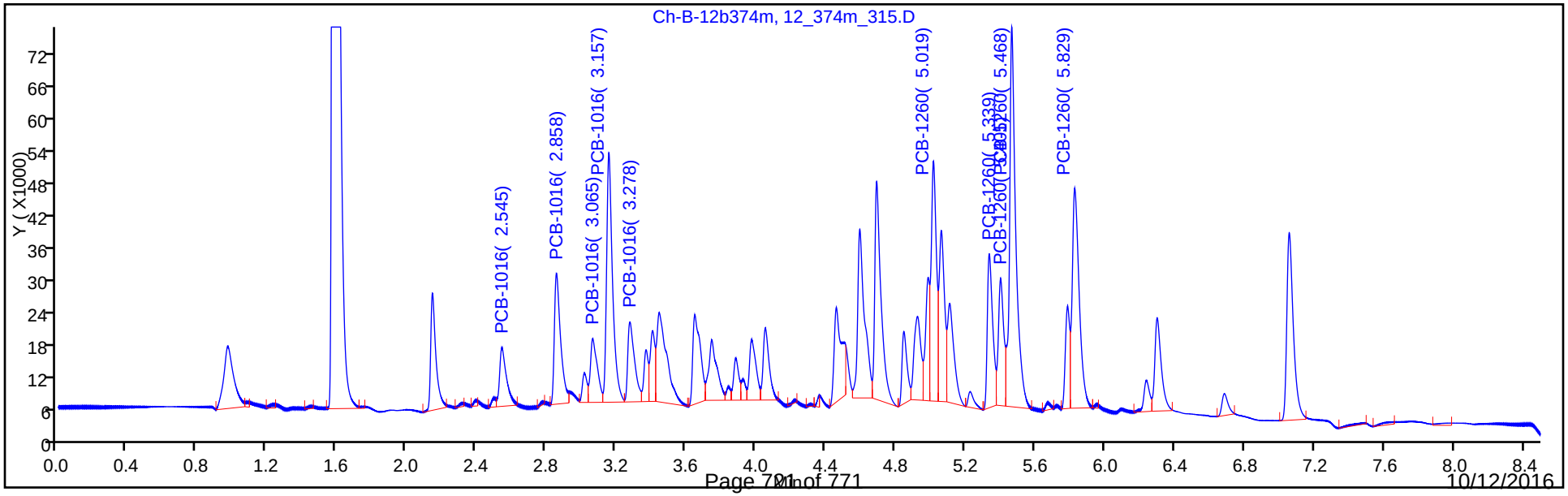
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_315.D

Injection Date:	08-Oct-2016 15:19:16	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	LCS 480-324269/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_315.D
Lims ID: LCS 480-324269/2-A
Client ID:
Sample Type: LCS
Inject. Date: 08-Oct-2016 15:19:16 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:52:32 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:52:32

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0317	158.34
$ 15 DCB Decachlorobiphenyl	0.0200	0.0336	168.02

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0304	151.80
$ 15 DCB Decachlorobiphenyl	0.0200	0.0311	155.74

Report Date: 10-Oct-2016 12:52:33 Chrom Revision: 2.2 08-Sep-2016 14:45:52

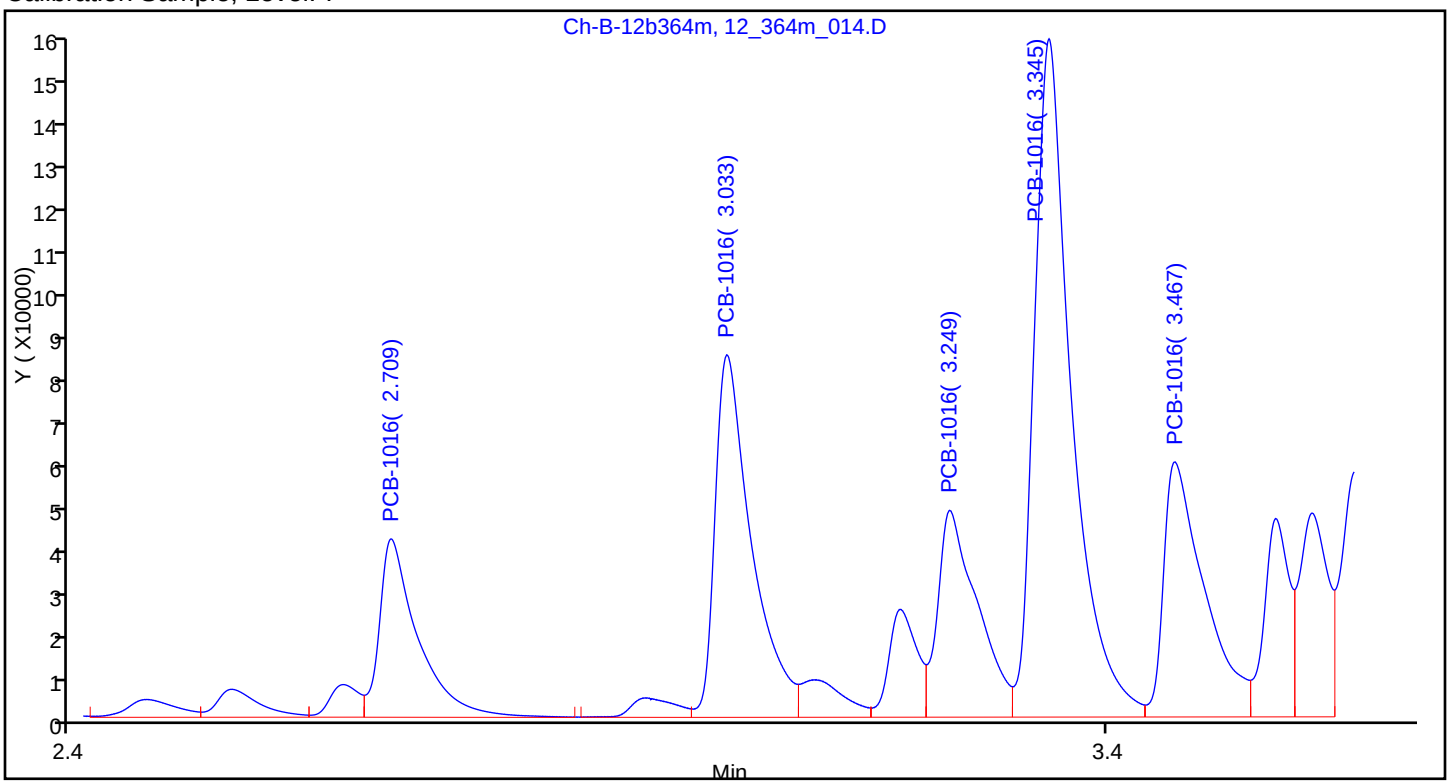
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_315.D

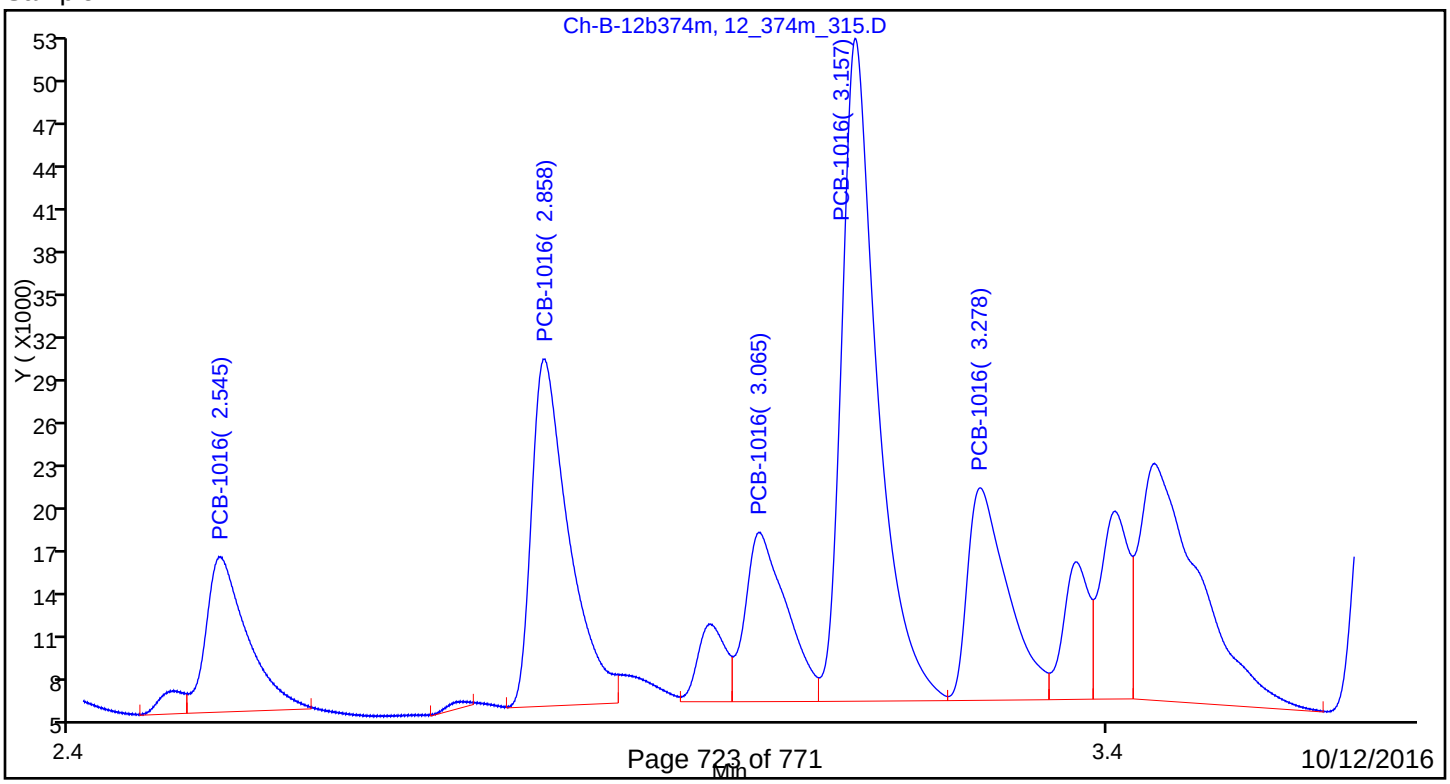
Injection Date:	08-Oct-2016 15:19:16	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-324269/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Oct-2016 12:52:34 Chrom Revision: 2.2 08-Sep-2016 14:45:52

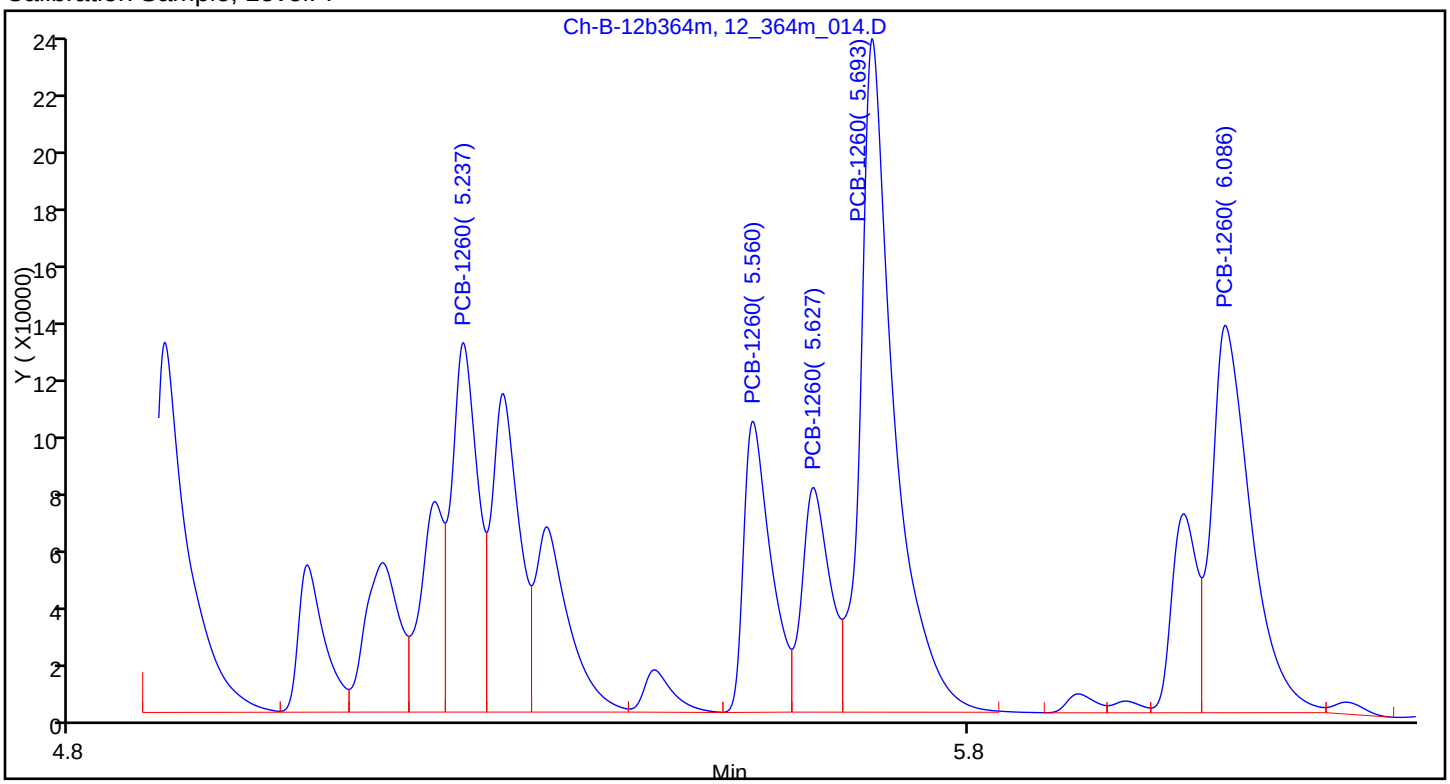
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_315.D

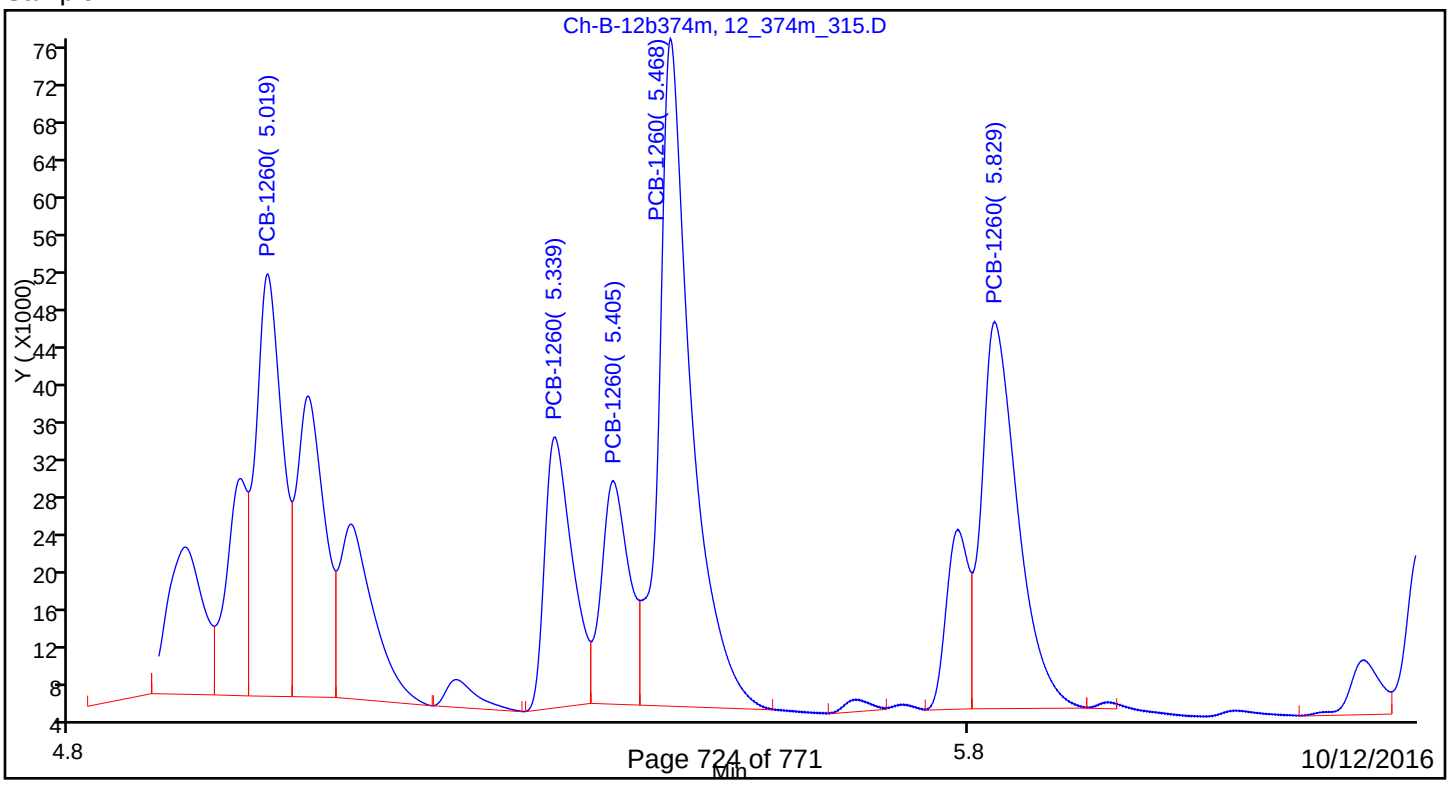
Injection Date:	08-Oct-2016 15:19:16	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-324269/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-324647/2-A

Matrix: Water | Lab File ID: 6_11-215.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 10/10/2016 07:50

Sample wt/vol: 250(mL) | Date Analyzed: 10/11/2016 01:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324833 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.59		0.50	0.18
11096-82-5	PCB-1260	2.32		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	55		39-121
2051-24-3	DCB Decachlorobiphenyl	44		19-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-215.D
Lims ID: LCS 480-324647/2-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Oct-2016 01:21:43 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:18 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 01:53:09

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.154	1.153	0.001	38810050	0.5000	0.5000	
2	1.129	1.128	0.001	63144779	0.5000	0.5000	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.138	2.136	0.002	1247813	0.0200	0.0149	
2	1.797	1.796	0.001	1528880	0.0200	0.0111	
						RPD = 29.58	
6 PCB-1016							M
1	2.750	2.748	0.002	1003539	0.5000	0.3434	M
1	2.904	2.905	-0.001	680481	0.5000	0.3901	M
1	3.117	3.115	0.002	2077423	0.5000	0.3088	M
1	3.203	3.202	0.000	853114	0.5000	0.3876	M
1	3.266	3.266	0.000	595789	0.5000	0.3905	M
		Average of Peak Amounts =				0.3641	
2	2.572	2.571	0.001	1501936	0.5000	0.3142	
2	2.899	2.897	0.002	3185441	0.5000	0.3217	
2	3.018	3.017	0.001	1249862	0.5000	0.3311	
2	3.115	3.114	0.001	777866	0.5000	0.3107	
2	3.403	3.403	0.001	1480774	0.5000	0.3385	
		Average of Peak Amounts =				0.3232	
						RPD = 11.89	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1260							M
1	5.007	5.008	-0.001	1559438	0.5000	0.3639	M
1	5.138	5.139	-0.001	668659	0.5000	0.2821	M
1	5.328	5.328	0.000	590573	0.5000	0.2713	M
1	5.533	5.536	-0.003	1146361	0.5000	0.2312	M
1	5.773	5.775	-0.003	685007	0.5000	0.2917	
		Average of Peak Amounts =				0.2880	
2	4.794	4.794	0.000	1997405	0.5000	0.3837	
2	4.843	4.841	0.002	1227846	0.5000	0.2710	
2	5.108	5.107	0.001	1244905	0.5000	0.2727	
2	5.244	5.244	0.000	2865069	0.5000	0.2477	
2	5.580	5.580	0.000	1787362	0.5000	0.2746	
		Average of Peak Amounts =				0.2899	
						RPD = 0.65	
$ 15 DCB Decachlorobiphenyl							
1	6.887	6.893	-0.005	283798	0.0200	0.008045	
2	6.519	6.519	0.000	734002	0.0200	0.008839	
						RPD = 9.41	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

PCB IS 1B2NB_00016	Amount Added: 20.00	Units: uL	Run Reagent
COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent

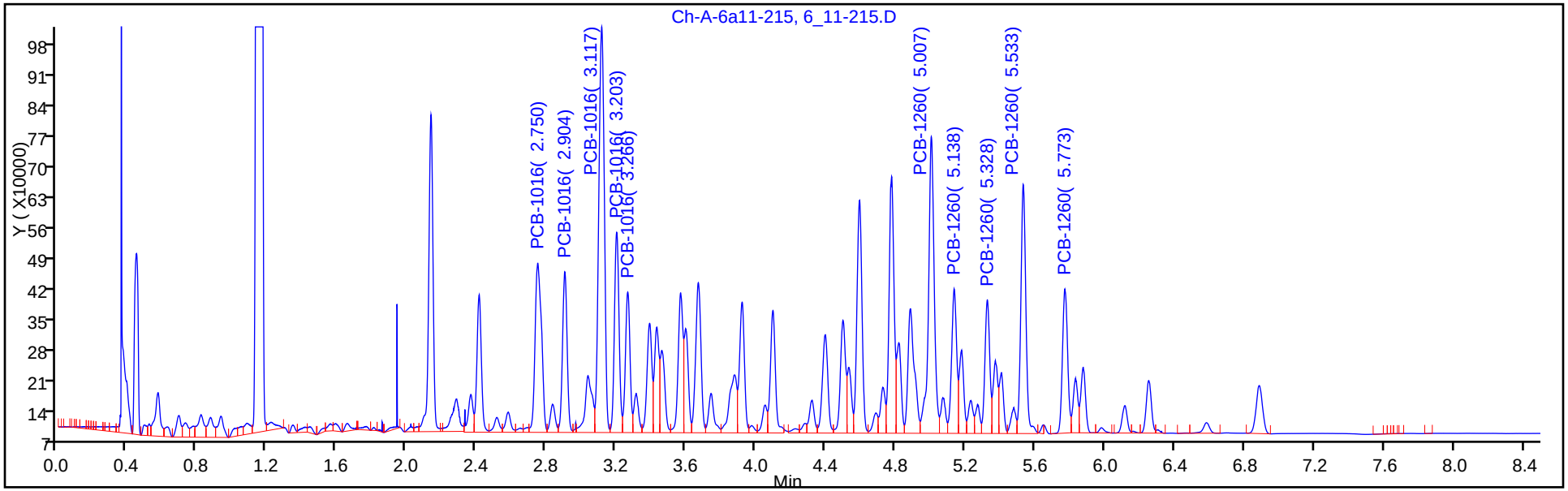
Report Date: 11-Oct-2016 12:59:24 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

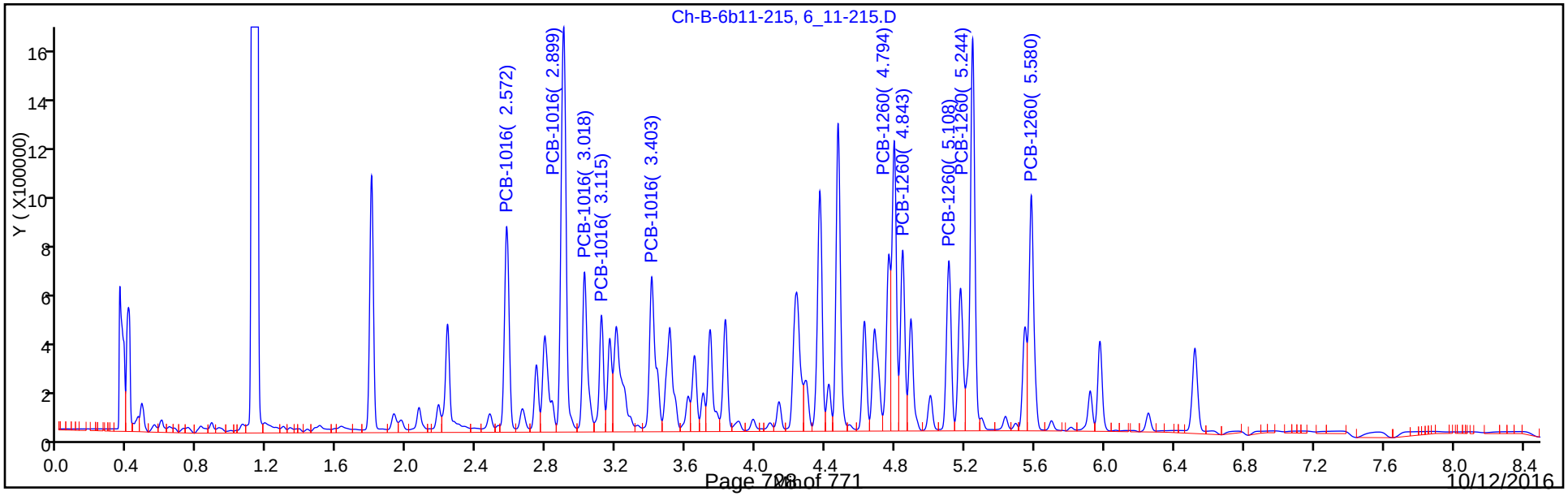
Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-215.D

Injection Date:	11-Oct-2016 01:21:43	Instrument ID:	HP6890-6	Operator ID:	BufTCHROM
Lims ID:	LCS 480-324647/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	6890-6 PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-215.D
Lims ID: LCS 480-324647/2-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Oct-2016 01:21:43 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #:
Operator ID: BufTCHROM Instrument ID: HP6890-6

Method: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6890-6 PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 11-Oct-2016 12:59:18 Calib Date: 16-Sep-2016 02:56:24
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-06\20160915-56412.b\6_10-173.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: sobolk Date: 11-Oct-2016 01:53:09

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0149	74.48
$ 15 DCB Decachlorobiphenyl	0.0200	0.008045	40.22

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	0.0200	0.0111	55.28
$ 15 DCB Decachlorobiphenyl	0.0200	0.008839	44.19

Report Date: 11-Oct-2016 12:59:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-215.D

Injection Date: 11-Oct-2016 01:21:43 Instrument ID: HP6890-6

Lims ID: LCS 480-324647/2-A

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

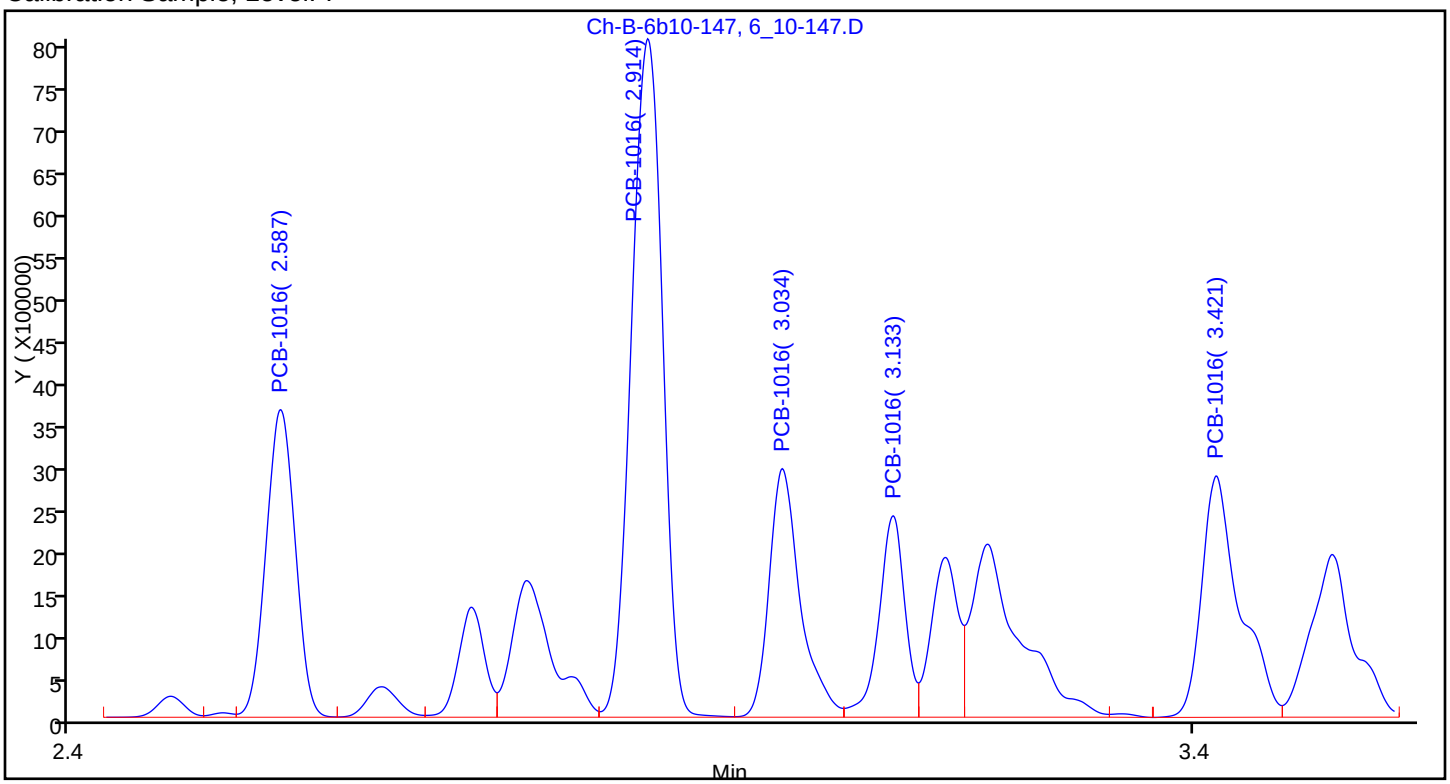
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

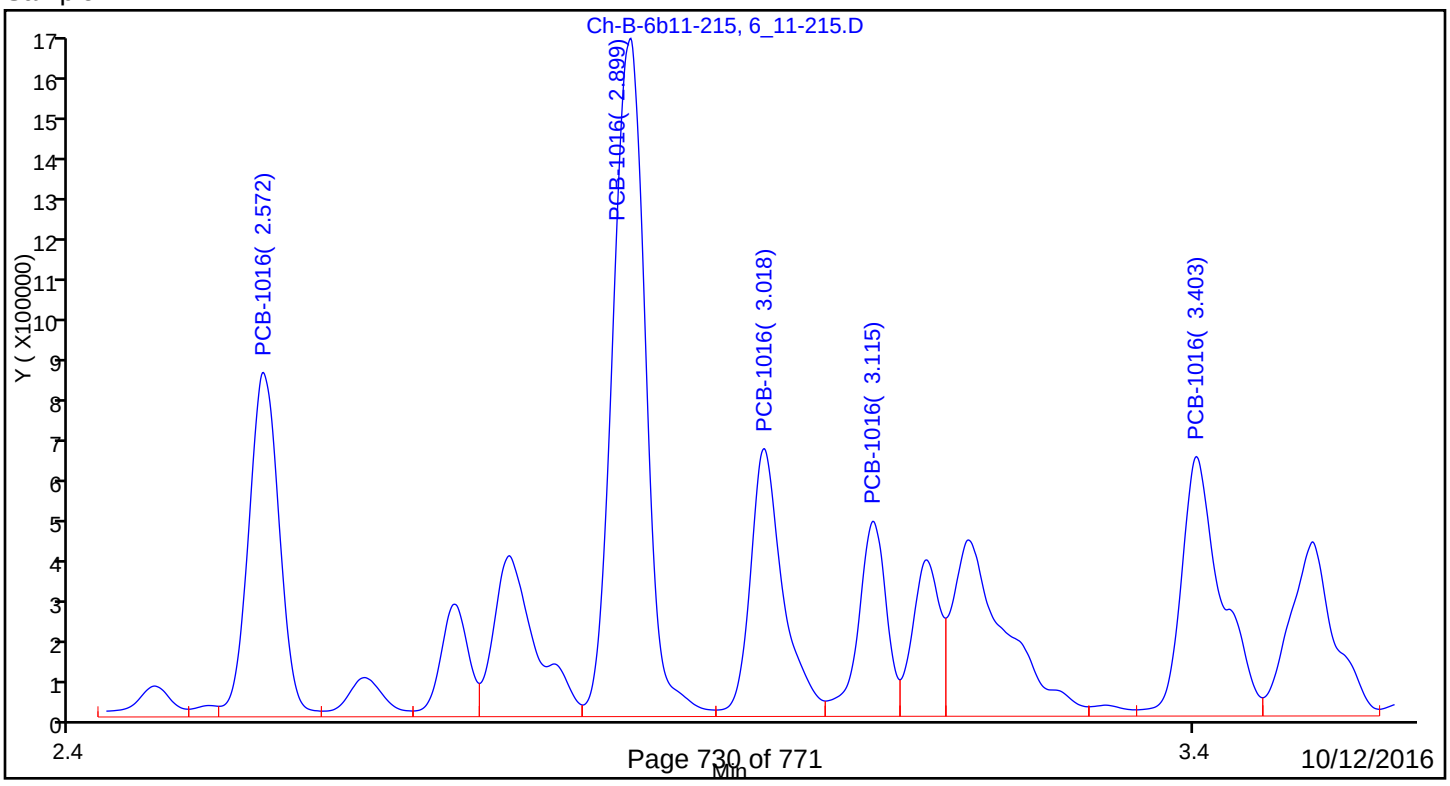
Column: Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 11-Oct-2016 12:59:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-06\20161011-57150.b\6_11-215.D

Injection Date: 11-Oct-2016 01:21:43 Instrument ID: HP6890-6

Lims ID: LCS 480-324647/2-A

Client ID:

Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

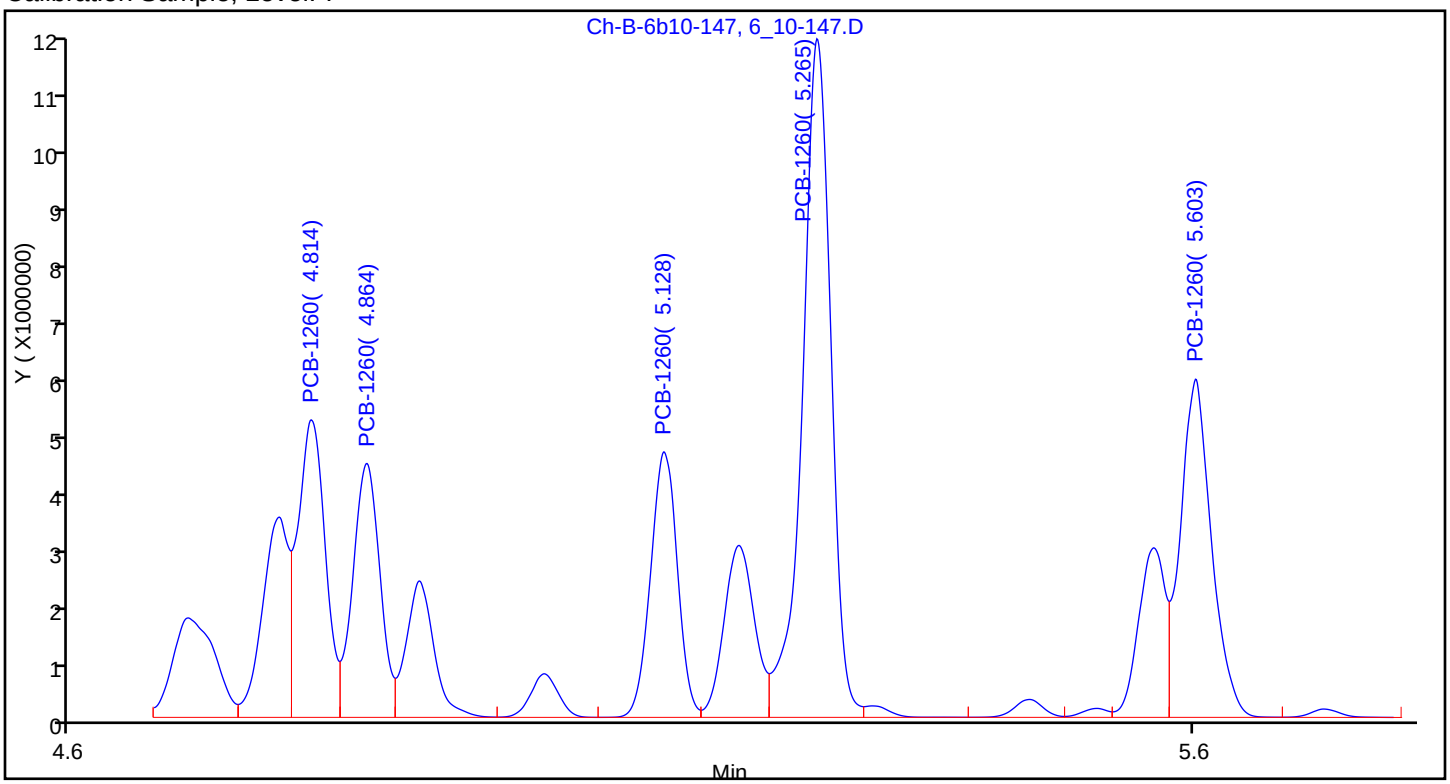
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 6890-6 PCB Limit Group: GC - 8082A PCB IS ICAL

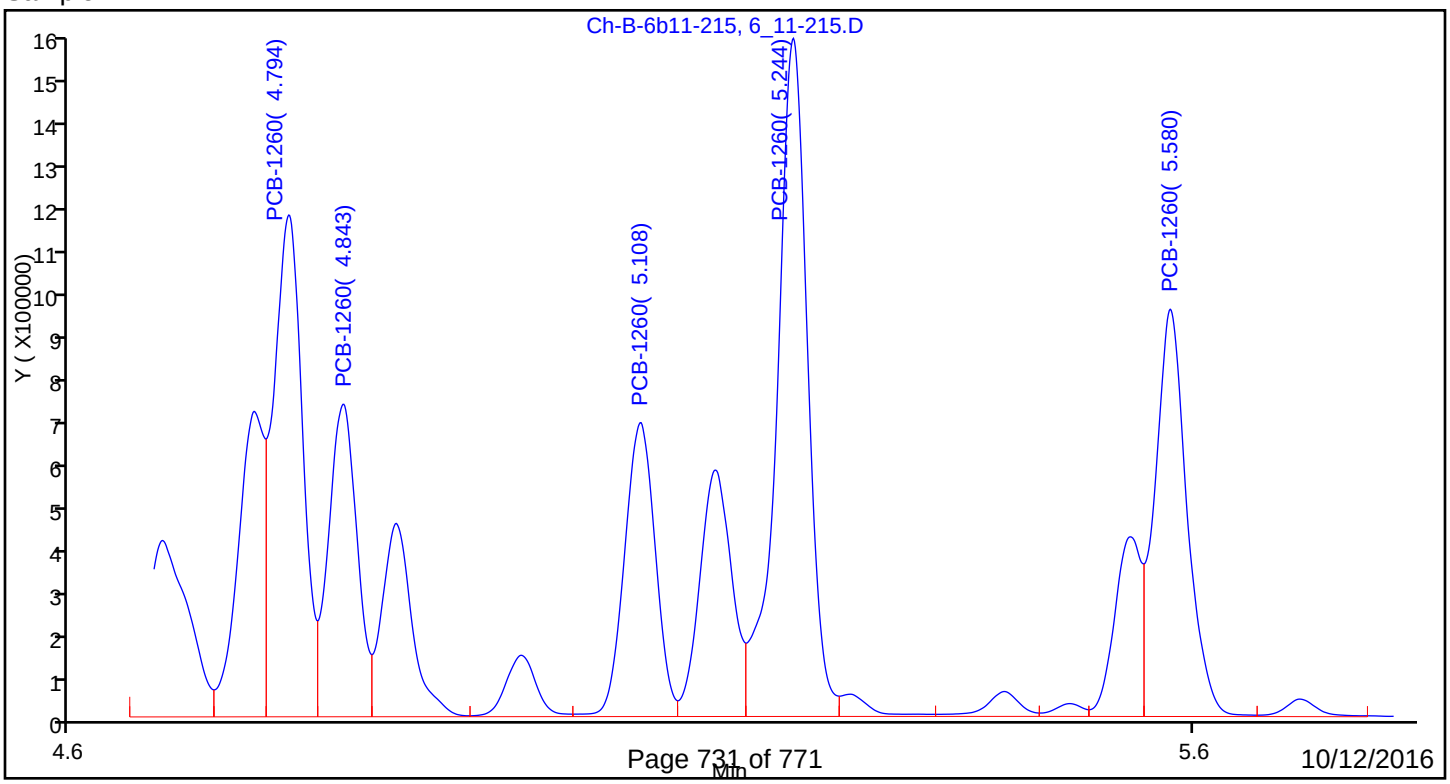
Column: Detector Ch-B-7b136

11 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-17 MS | Lab Sample ID: 480-107100-2 MS

Matrix: Solid | Lab File ID: 12_374m_316.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:29

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.63(g) | Date Analyzed: 10/08/2016 15:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.89		0.22	0.044
11104-28-2	PCB-1221	ND		0.22	0.044
11141-16-5	PCB-1232	ND		0.22	0.044
53469-21-9	PCB-1242	ND		0.22	0.044
12672-29-6	PCB-1248	ND		0.22	0.044
11097-69-1	PCB-1254	ND		0.22	0.10
11096-82-5	PCB-1260	3.49		0.22	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	152		60-154
2051-24-3	DCB Decachlorobiphenyl	152		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_316.D
Lims ID: 480-107100-A-2-A MS
Client ID: SS7-17
Sample Type: MS
Inject. Date: 08-Oct-2016 15:34:35 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:53:23 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:53:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.150	1.148	0.002	1019238	0.5000	0.5000	
2	1.581	1.580	0.001	864598	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	62523	0.0200	0.0268	
2	2.146	2.146	0.000	44761	0.0200	0.0304	
						RPD = 12.82	
9 PCB-1016							M
1	1.739	1.739	0.000	38981	0.5000	0.5985	
1	2.048	2.049	-0.001	49965	0.5000	0.7229	M
1	2.191	2.193	-0.002	147427	0.5000	0.7590	M
1	2.255	2.257	-0.002	61860	0.5000	0.7364	M
1	2.298	2.299	-0.001	58436	0.5000	1.07	M
		Average of Peak Amounts =				0.7771	
2	2.545	2.545	0.000	29740	0.5000	0.6435	
2	2.857	2.858	-0.001	60042	0.5000	0.6572	
2	3.066	3.065	0.001	32001	0.5000	0.6144	
2	3.158	3.159	-0.001	108221	0.5000	0.7038	
2	3.278	3.280	-0.002	39182	0.5000	0.6108	
		Average of Peak Amounts =				0.6460	
						RPD = 18.43	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	2.967	2.966	0.001	65936		0.4563	M
1	3.223	3.225	-0.002	54240		0.2802	M
1	3.395	3.402	-0.007	149376		0.7586	M
1	0.000	3.595	-3.595	0		0	
1	3.765	3.768	-0.003	213456		1.18	M
		Average of Peak Amounts =				0.6681	
2	4.055	4.054	0.001	37601		0.3585	
2	4.365	4.364	0.001	6008		0.0953	
2	4.462	4.452	0.010	51492		0.3301	
2	4.597	4.585	0.012	102058		0.5928	
2	5.019	5.021	-0.002	100548		0.8765	
		Average of Peak Amounts =				0.4506	
						RPD = 38.88	
12 PCB-1260							M
1	3.765	3.767	-0.002	213456	0.5000	1.17	M
1	3.889	3.891	-0.002	77323	0.5000	0.7446	M
1	4.063	4.065	-0.002	74640	0.5000	0.8110	M
1	4.254	4.257	-0.003	237574	0.5000	0.8491	M
1	4.476	4.479	-0.003	108829	0.5000	0.9093	M
		Average of Peak Amounts =				0.8965	
2	5.019	5.021	-0.002	100548	0.5000	0.9412	
2	5.339	5.341	-0.002	64238	0.5000	0.7701	
2	5.404	5.406	-0.002	52817	0.5000	0.7470	
2	5.468	5.469	-0.001	174464	0.5000	0.7322	
2	5.829	5.831	-0.002	113275	0.5000	0.7161	
		Average of Peak Amounts =				0.7813	
						RPD = 13.73	
4 1260 Res 2							M
1	4.476	4.479	-0.003	108829		NC	M
2	5.339	5.341	-0.002	64238		NC	
3 1260 Res 3							
1	4.538	4.541	-0.003	38842		NC	
2	5.404	5.406	-0.002	52817		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.433	5.435	-0.002	111235	0.0200	0.0319	
2	7.060	7.062	-0.002	88018	0.0200	0.0304	
						RPD = 4.62	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

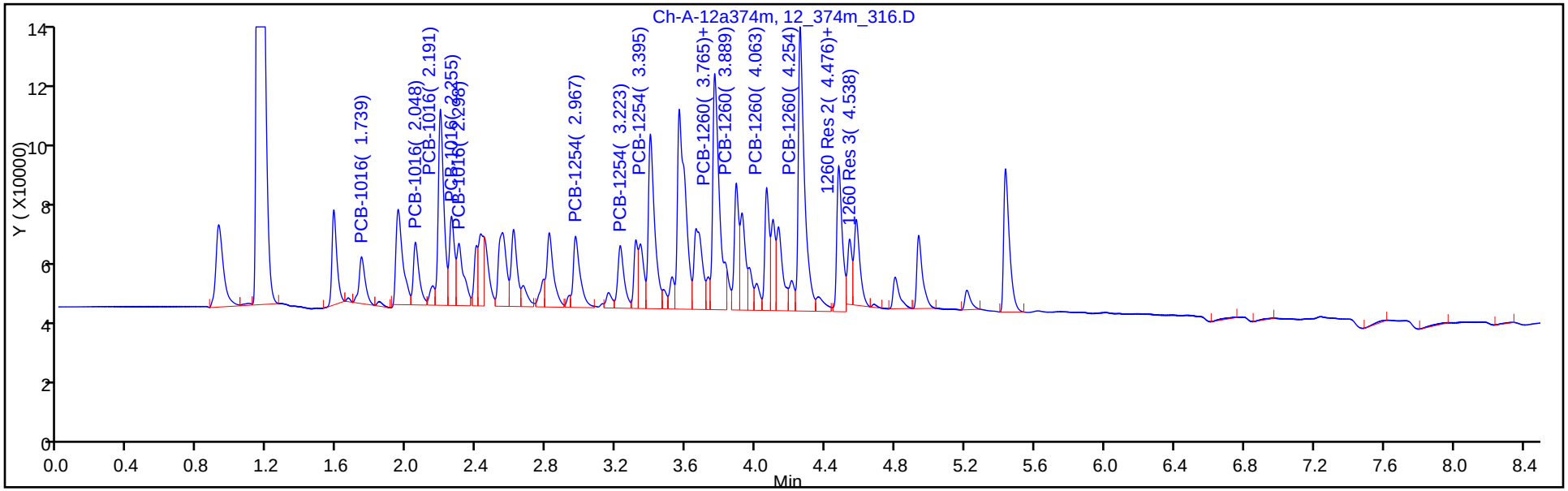
Report Date: 10-Oct-2016 12:53:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

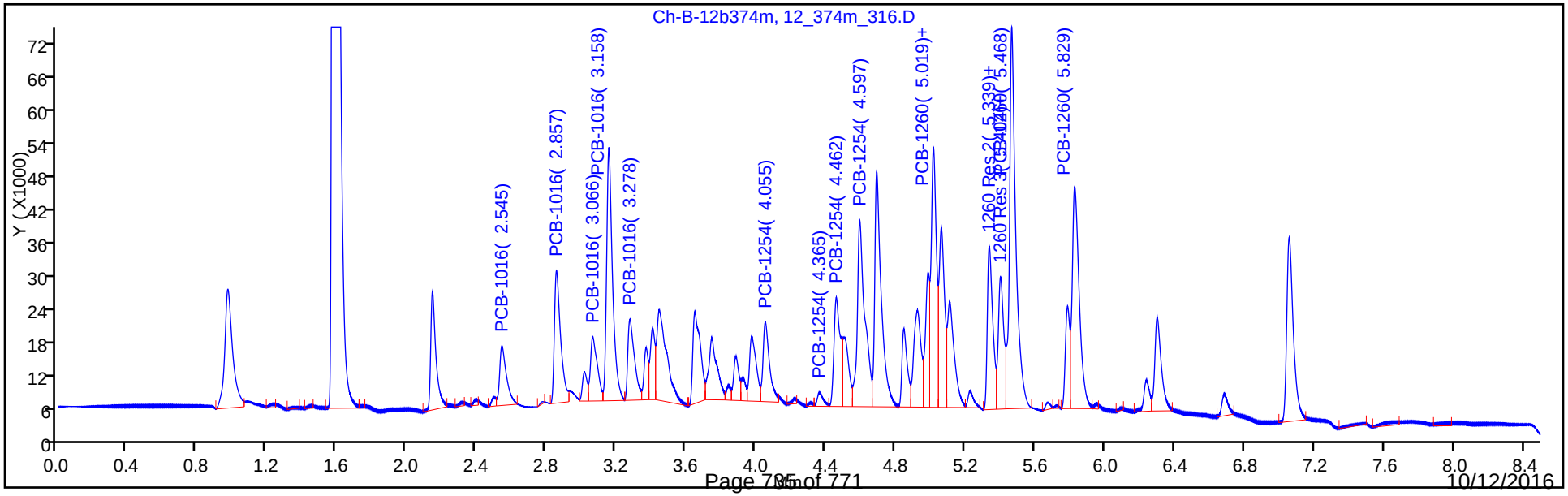
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_316.D

Injection Date:	08-Oct-2016 15:34:35	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-2-A MS			Worklist Smp#:	12
Client ID:	SS7-17				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



10/12/2016

TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_316.D
Lims ID: 480-107100-A-2-A MS
Client ID: SS7-17
Sample Type: MS
Inject. Date: 08-Oct-2016 15:34:35 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:53:23 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:53:23

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0268	133.77
$ 15 DCB Decachlorobiphenyl	0.0200	0.0319	159.44

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0304	152.09
$ 15 DCB Decachlorobiphenyl	0.0200	0.0304	152.24

Report Date: 10-Oct-2016 12:53:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

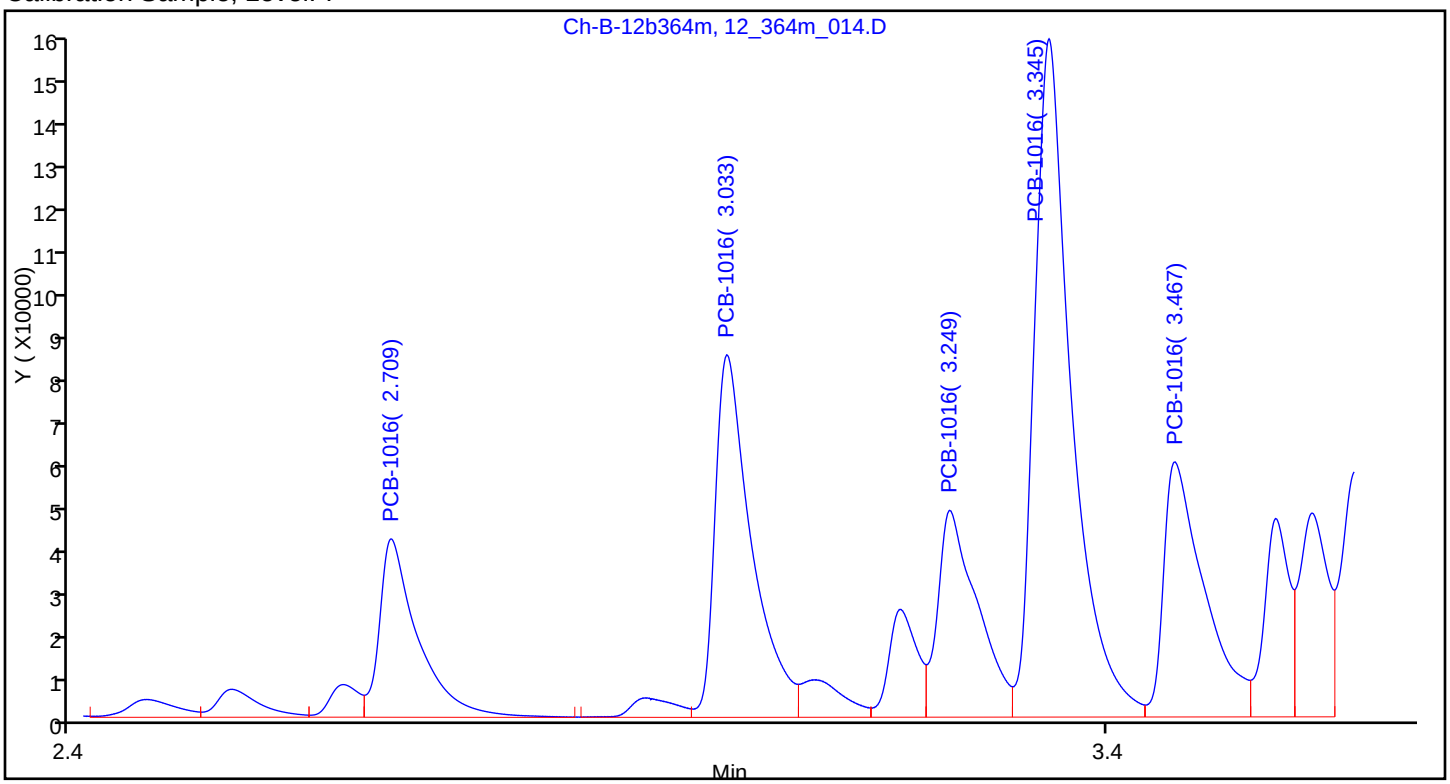
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_316.D

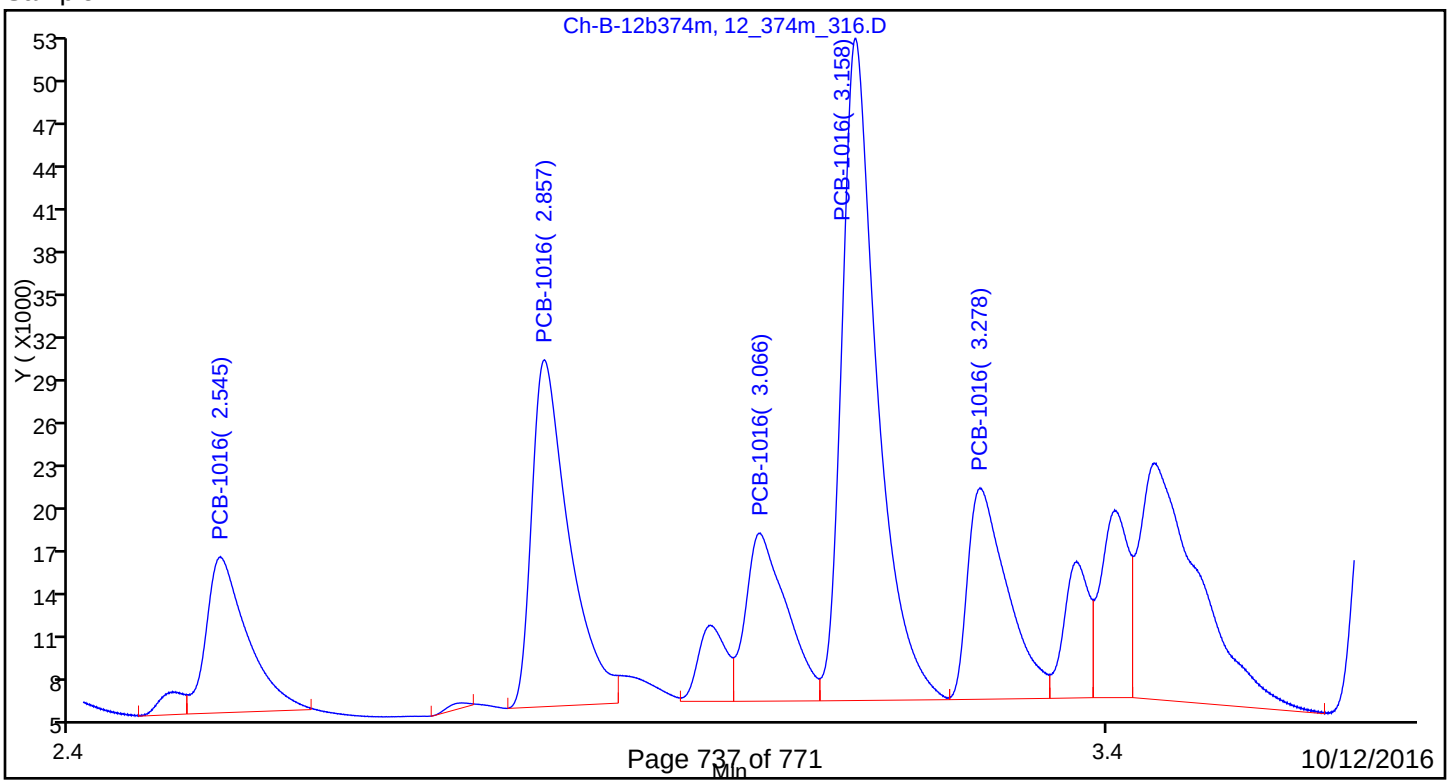
Injection Date:	08-Oct-2016 15:34:35	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-2-A MS				
Client ID:	SS7-17				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Oct-2016 12:53:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

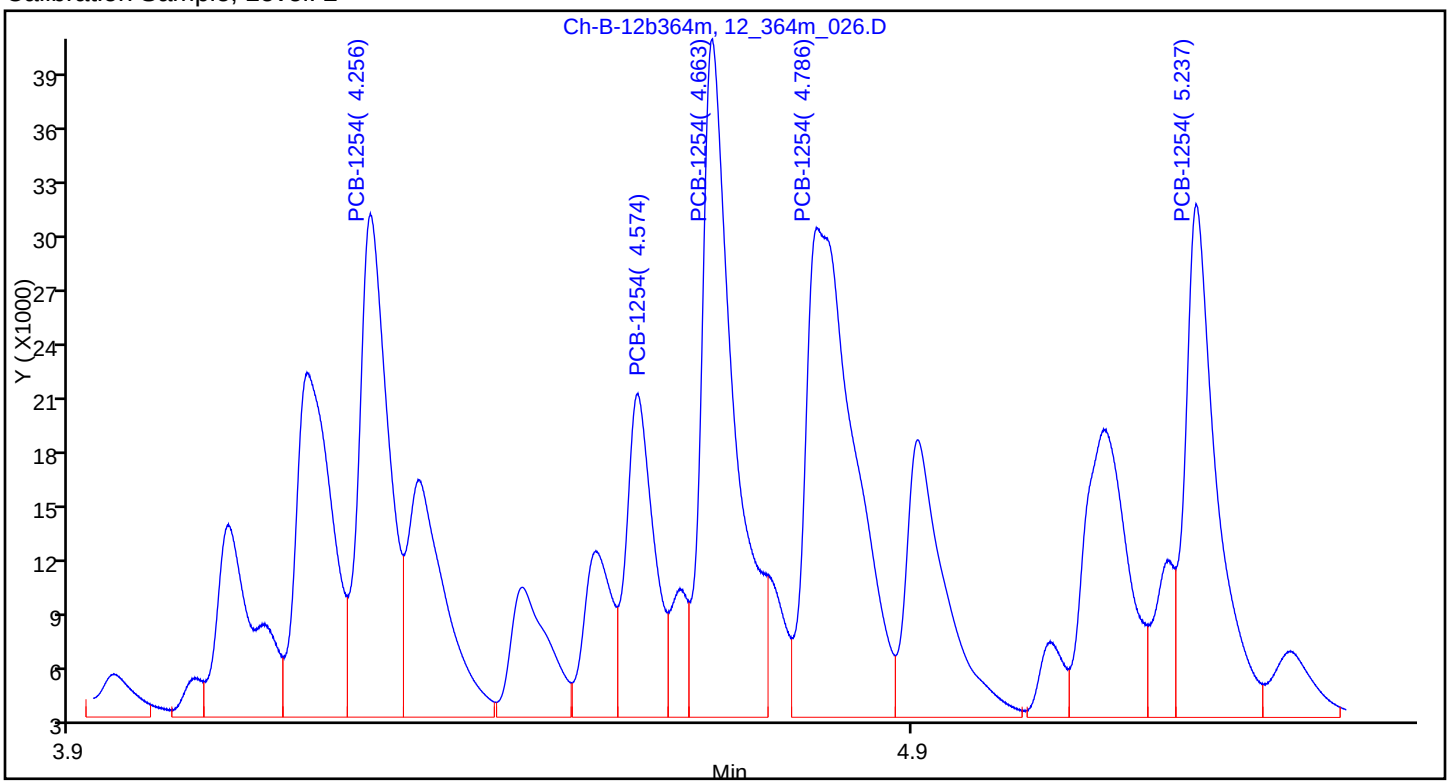
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_316.D

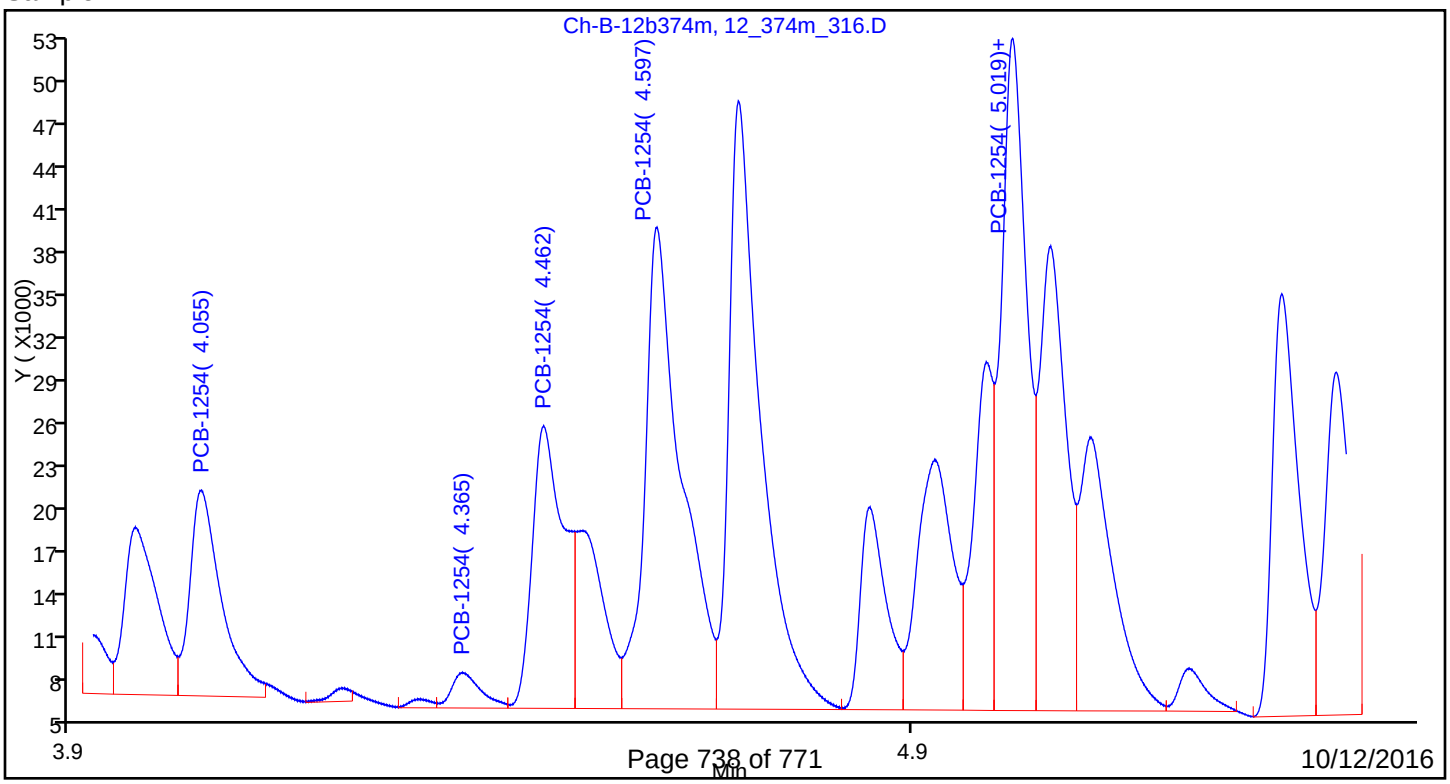
Injection Date:	08-Oct-2016 15:34:35	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-2-A MS				
Client ID:	SS7-17				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



Report Date: 10-Oct-2016 12:53:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

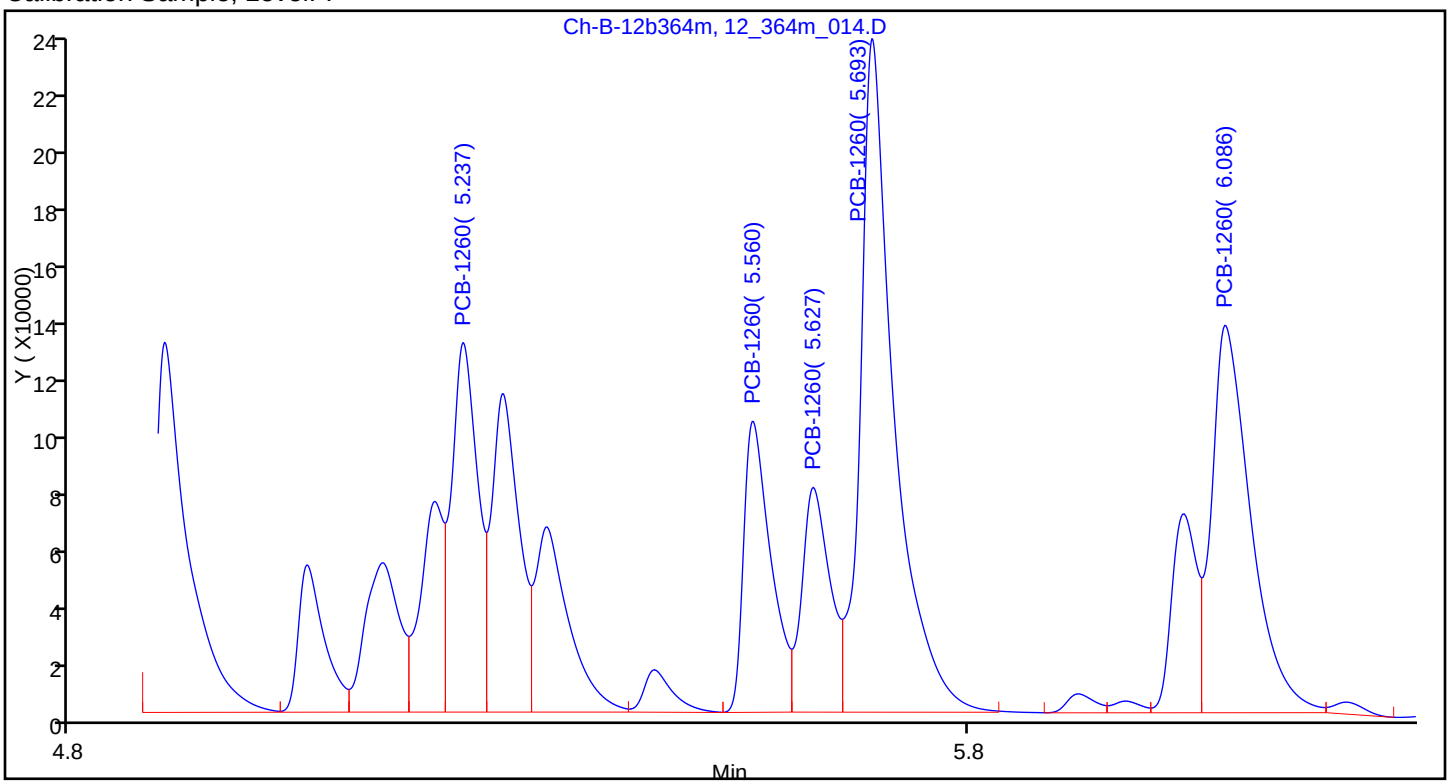
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_316.D

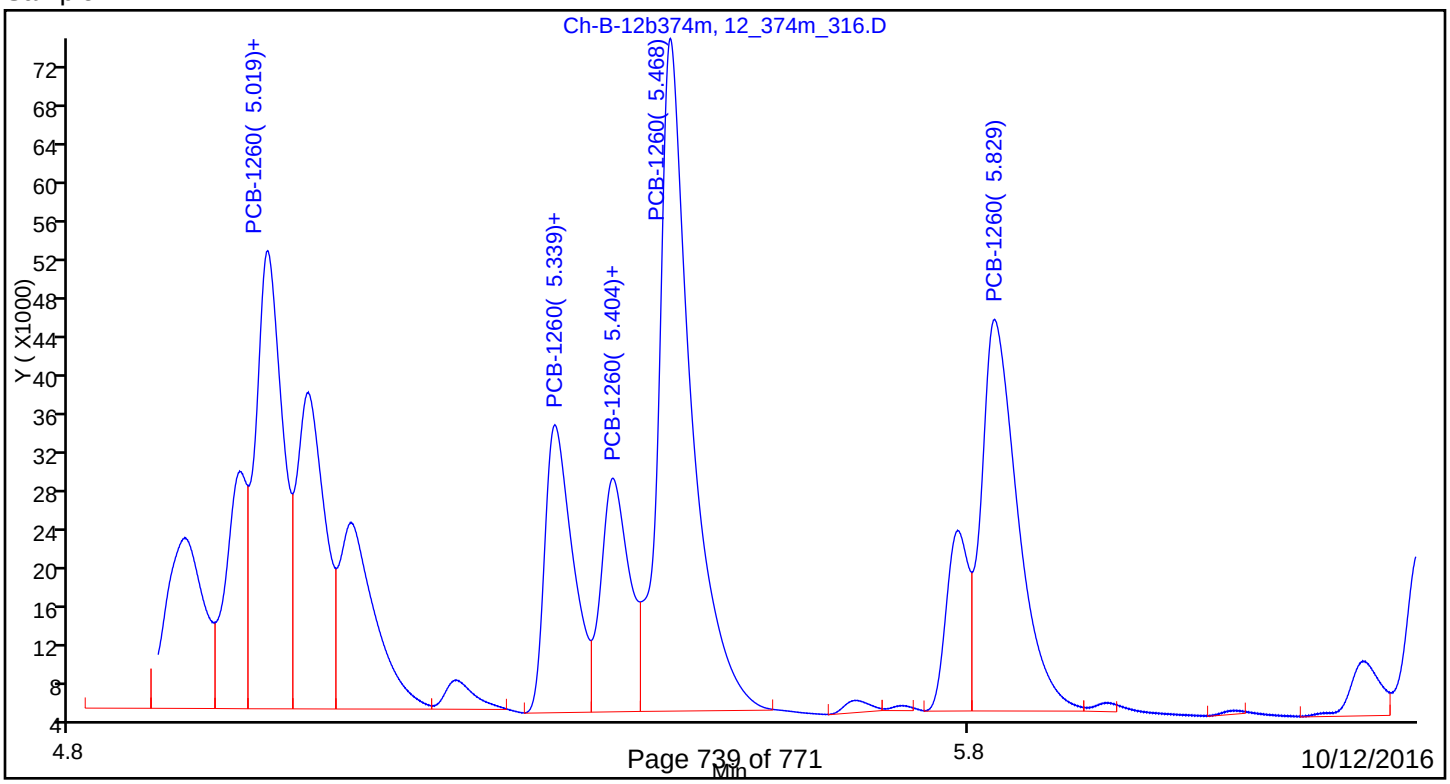
Injection Date:	08-Oct-2016 15:34:35	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-2-A MS				
Client ID:	SS7-17				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-107100-1

SDG No.:

Client Sample ID: SS7-17 MSD | Lab Sample ID: 480-107100-2 MSD

Matrix: Solid | Lab File ID: 12_374m_317.D

Analysis Method: 8082A | Date Collected: 10/05/2016 11:29

Extraction Method: 3550C | Date Extracted: 10/07/2016 06:14

Sample wt/vol: 2.86(g) | Date Analyzed: 10/08/2016 15:49

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 324559 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2.26		0.21	0.040
11104-28-2	PCB-1221	ND		0.21	0.040
11141-16-5	PCB-1232	ND		0.21	0.040
53469-21-9	PCB-1242	ND		0.21	0.040
12672-29-6	PCB-1248	ND		0.21	0.040
11097-69-1	PCB-1254	ND		0.21	0.096
11096-82-5	PCB-1260	2.55		0.21	0.096

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		60-154
2051-24-3	DCB Decachlorobiphenyl	106		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_317.D
Lims ID: 480-107100-A-2-B MSD
Client ID: SS7-17
Sample Type: MSD
Inject. Date: 08-Oct-2016 15:49:54 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:53:45 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:53:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.149	1.148	0.001	1129729	0.5000	0.5000	
2	1.581	1.580	0.001	952488	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.580	1.580	0.000	61337	0.0200	0.0237	
2	2.146	2.146	0.000	37945	0.0200	0.0234	
						RPD = 1.15	
9 PCB-1016							
1	1.739	1.739	0.000	45654	0.5000	0.6324	
1	2.048	2.049	-0.001	50317	0.5000	0.6568	
1	2.191	2.193	-0.002	134746	0.5000	0.6258	
1	2.255	2.257	-0.002	58450	0.5000	0.6278	
1	2.297	2.299	-0.002	54769	0.5000	0.9039	
		Average of Peak Amounts =				0.6893	
2	2.545	2.545	0.000	28020	0.5000	0.5504	
2	2.858	2.858	0.000	55249	0.5000	0.5490	
2	3.065	3.065	0.000	30316	0.5000	0.5284	
2	3.158	3.159	-0.001	99314	0.5000	0.5863	
2	3.278	3.280	-0.002	37446	0.5000	0.5299	
		Average of Peak Amounts =				0.5488	
						RPD = 22.70	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	2.966	2.966	0.000	58223		0.3635	
1	3.223	3.225	-0.002	44296		0.2065	M
1	3.396	3.402	-0.006	136939		0.6274	M
1	0.000	3.595	-3.595	0		0	
1	3.765	3.768	-0.003	185650		0.9237	M
		Average of Peak Amounts =				0.5303	
2	4.055	4.054	0.001	36877		0.3191	
2	4.365	4.364	0.001	3681		0.0530	
2	4.462	4.452	0.010	42660		0.2482	
2	4.597	4.585	0.012	86731		0.4573	
2	5.019	5.021	-0.002	89271		0.7063	
		Average of Peak Amounts =				0.3568	
						RPD = 39.12	
12 PCB-1260							M
1	3.765	3.767	-0.002	185650	0.5000	0.9168	M
1	3.889	3.891	-0.002	64296	0.5000	0.5586	M
1	4.063	4.065	-0.002	60761	0.5000	0.5957	M
1	4.255	4.257	-0.002	192528	0.5000	0.6208	M
1	4.476	4.479	-0.003	86723	0.5000	0.6537	M
		Average of Peak Amounts =				0.6691	
2	5.019	5.021	-0.002	89271	0.5000	0.7585	
2	5.340	5.341	-0.001	56542	0.5000	0.6153	
2	5.405	5.406	-0.001	47263	0.5000	0.6067	
2	5.469	5.469	0.000	148757	0.5000	0.5667	
2	5.829	5.831	-0.002	95864	0.5000	0.5501	
		Average of Peak Amounts =				0.6195	
						RPD = 7.70	
4 1260 Res 2							M
1	4.476	4.479	-0.003	86723		NC	M
2	5.340	5.341	-0.001	56542		NC	
3 1260 Res 3							M
1	4.539	4.541	-0.002	34051		NC	M
2	5.405	5.406	-0.001	47263		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.433	5.435	-0.002	86243	0.0200	0.0223	
2	7.061	7.062	-0.001	67652	0.0200	0.0212	
						RPD = 4.88	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00063	Amount Added: 1.00	Units: mL	Run Reagent
PCB IS 1B2NB_00015	Amount Added: 20.00	Units: uL	Run Reagent

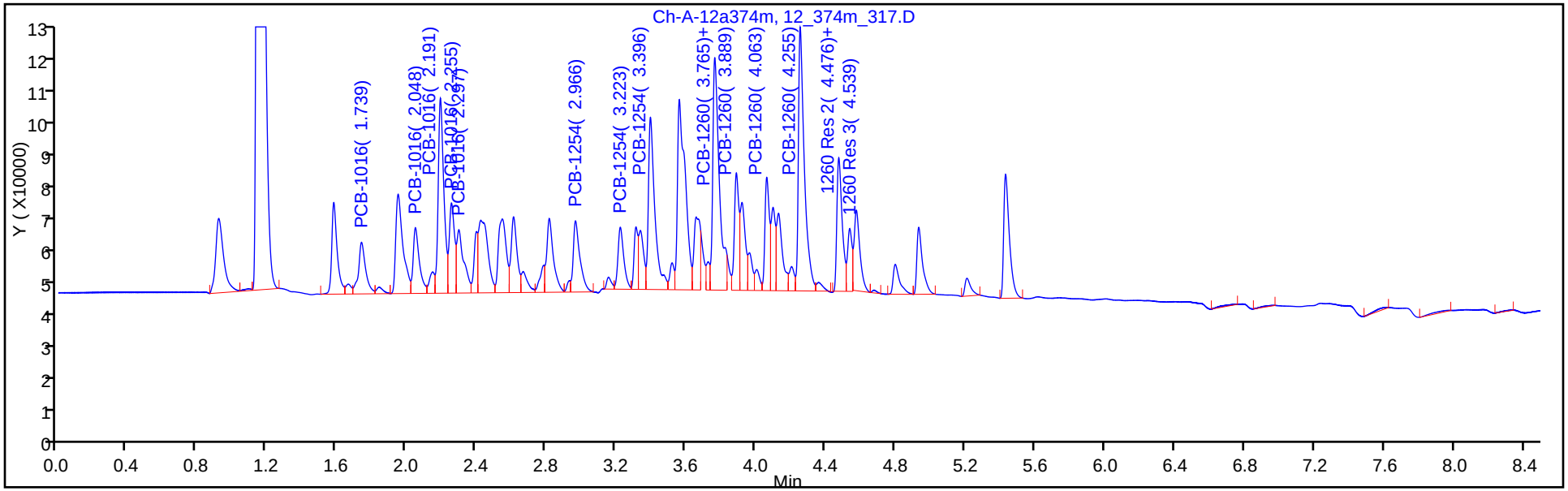
Report Date: 10-Oct-2016 12:53:46 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Buffalo

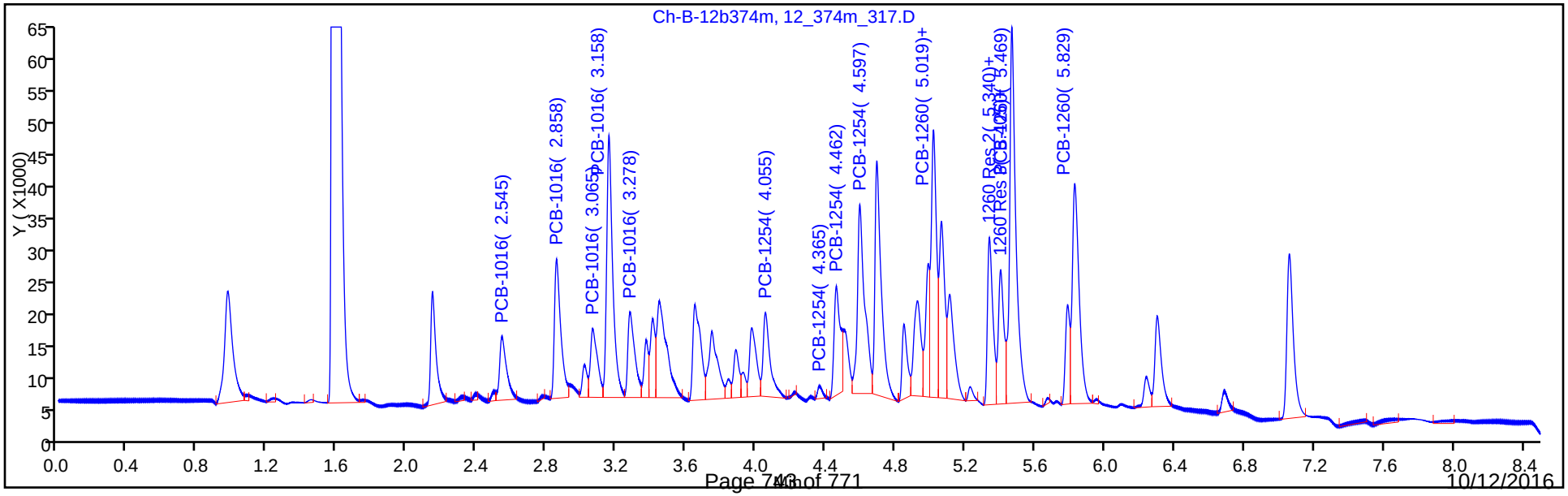
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_317.D

Injection Date:	08-Oct-2016 15:49:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-107100-A-2-B MSD			Worklist Smp#:	13
Client ID:	SS7-17				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Recovery Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_317.D
Lims ID: 480-107100-A-2-B MSD
Client ID: SS7-17
Sample Type: MSD
Inject. Date: 08-Oct-2016 15:49:54 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 10-Oct-2016 12:53:45 Calib Date: 04-May-2016 21:44:49
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20160504-52874.b\12_364m_032.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK047

First Level Reviewer: owenj Date: 10-Oct-2016 12:53:45

Surrogate Recovery, Detector: Ch-A-7A136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0237	118.39
$ 15 DCB Decachlorobiphenyl	0.0200	0.0223	111.53

Surrogate Recovery, Detector: Ch-B-7b136

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 Tetrachloro-m-xylene	0.0200	0.0234	117.04
$ 15 DCB Decachlorobiphenyl	0.0200	0.0212	106.22

Report Date: 10-Oct-2016 12:53:47 Chrom Revision: 2.2 08-Sep-2016 14:45:52

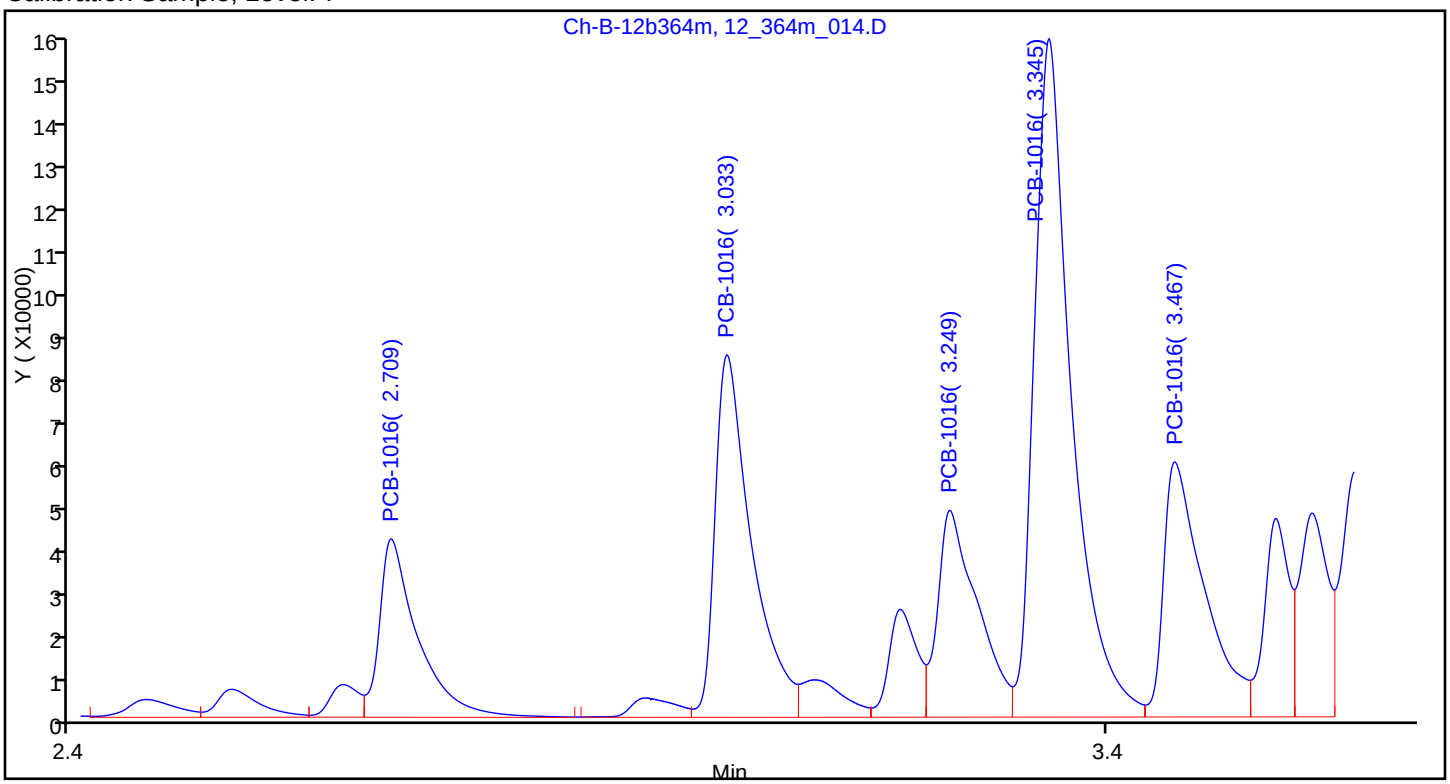
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_317.D

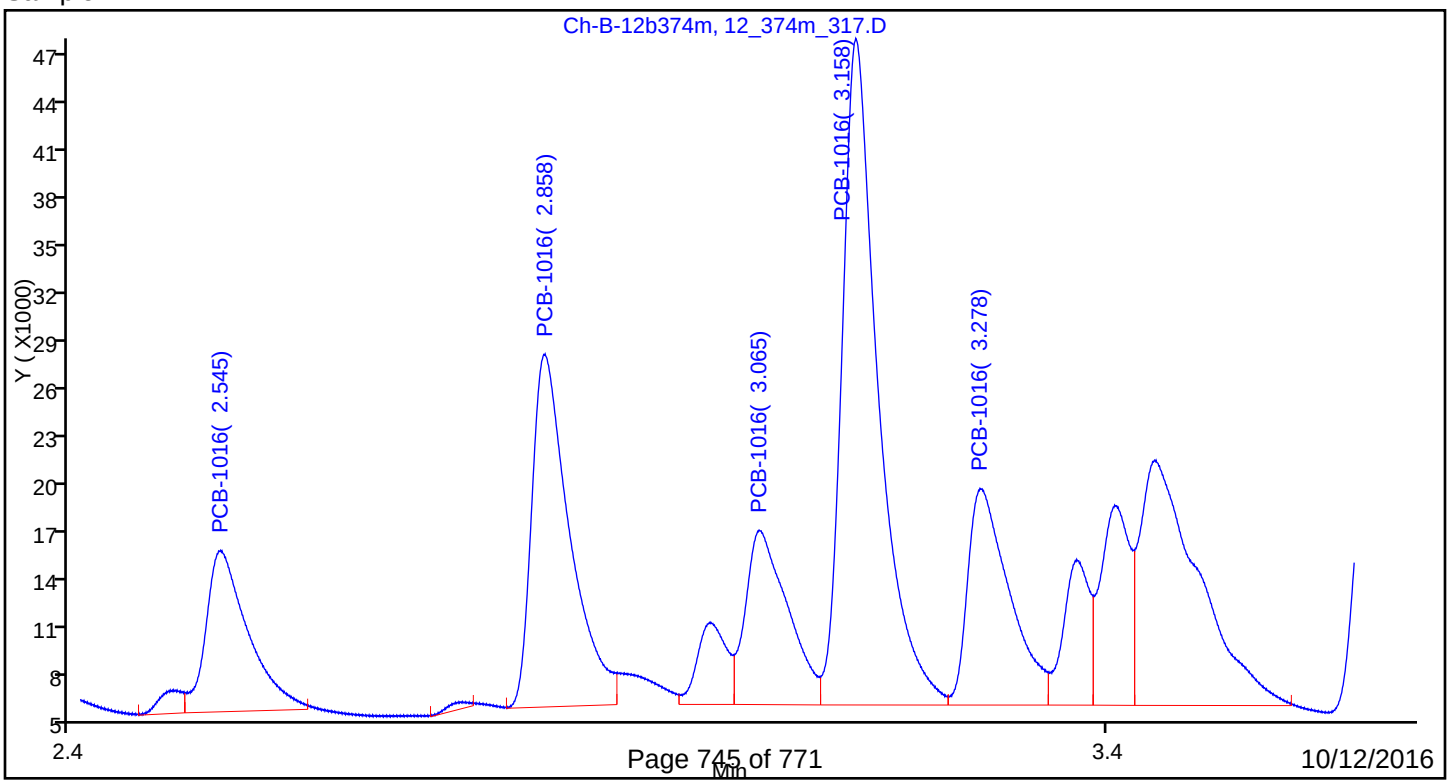
Injection Date:	08-Oct-2016 15:49:54	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-2-B MSD				
Client ID:	SS7-17				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 10-Oct-2016 12:53:47 Chrom Revision: 2.2 08-Sep-2016 14:45:52

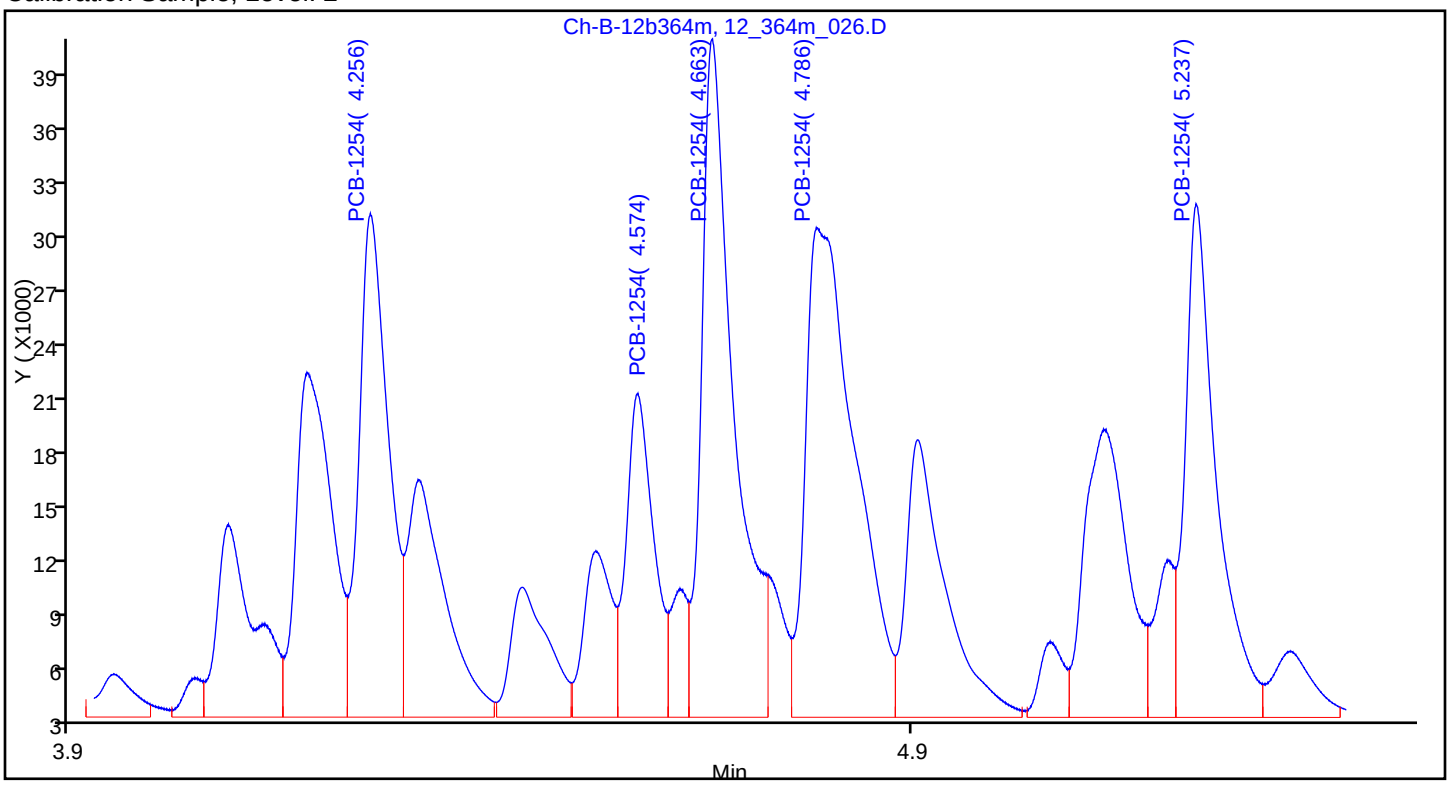
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_317.D

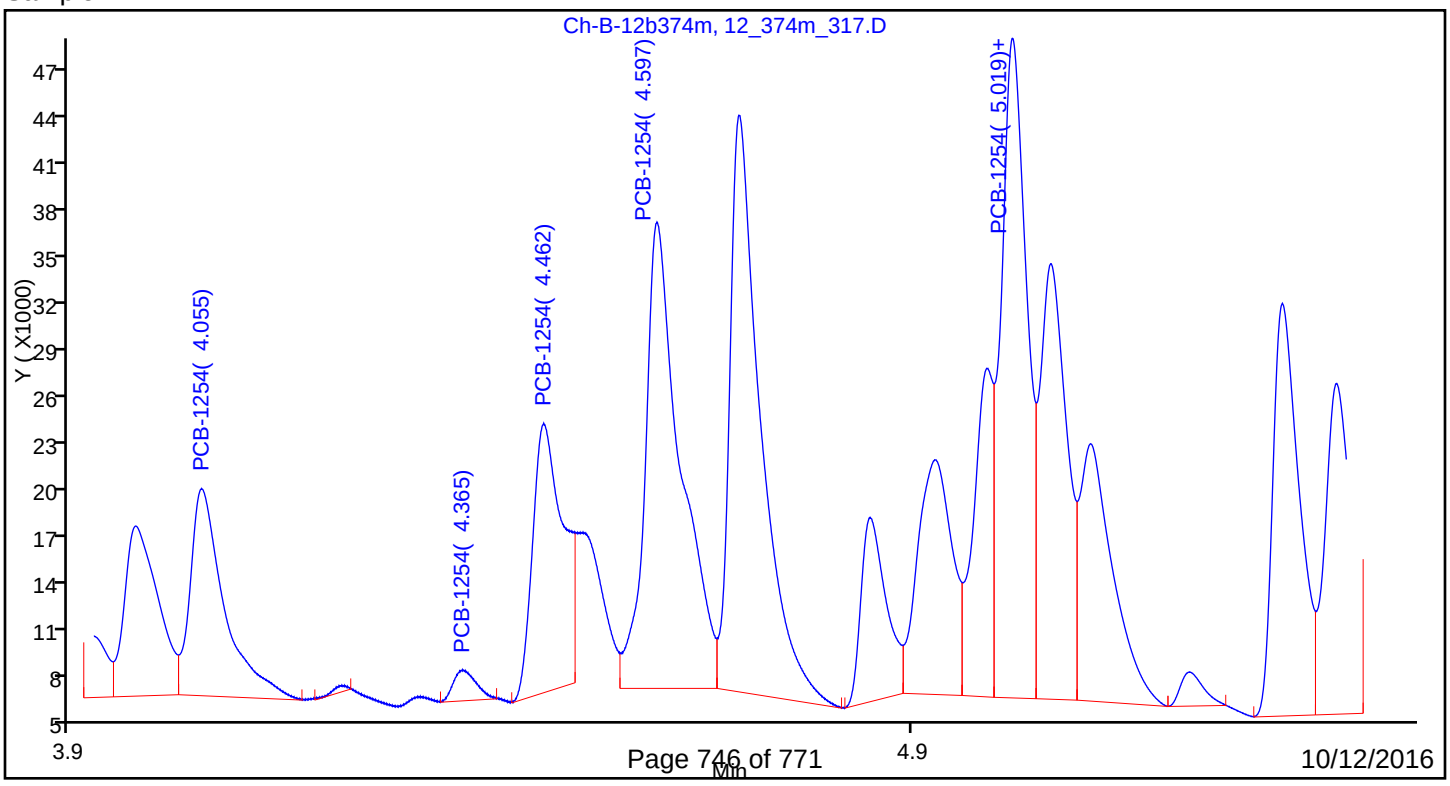
Injection Date:	08-Oct-2016 15:49:54	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-2-B MSD				
Client ID:	SS7-17				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 2



Sample



Report Date: 10-Oct-2016 12:53:47 Chrom Revision: 2.2 08-Sep-2016 14:45:52

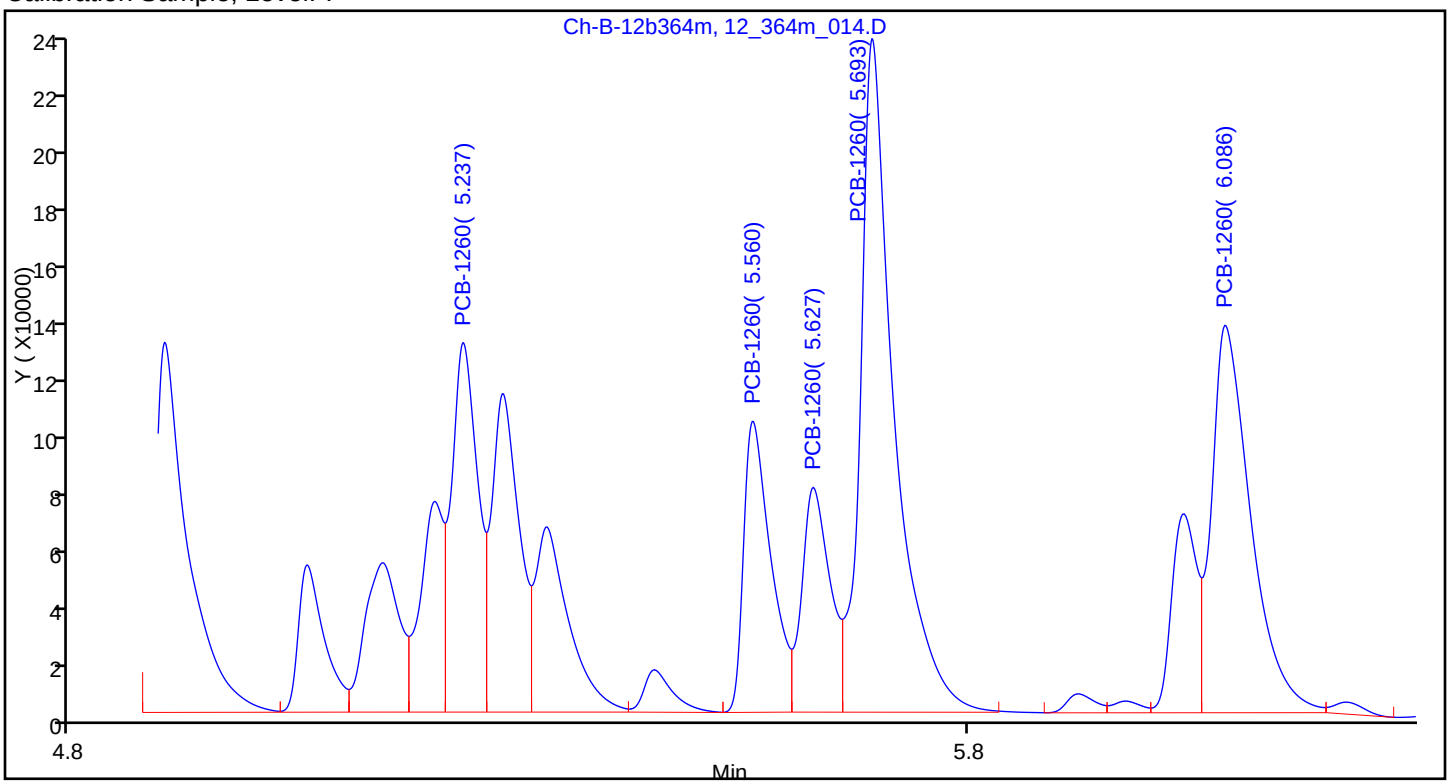
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20161008-57099.b\12_374m_317.D

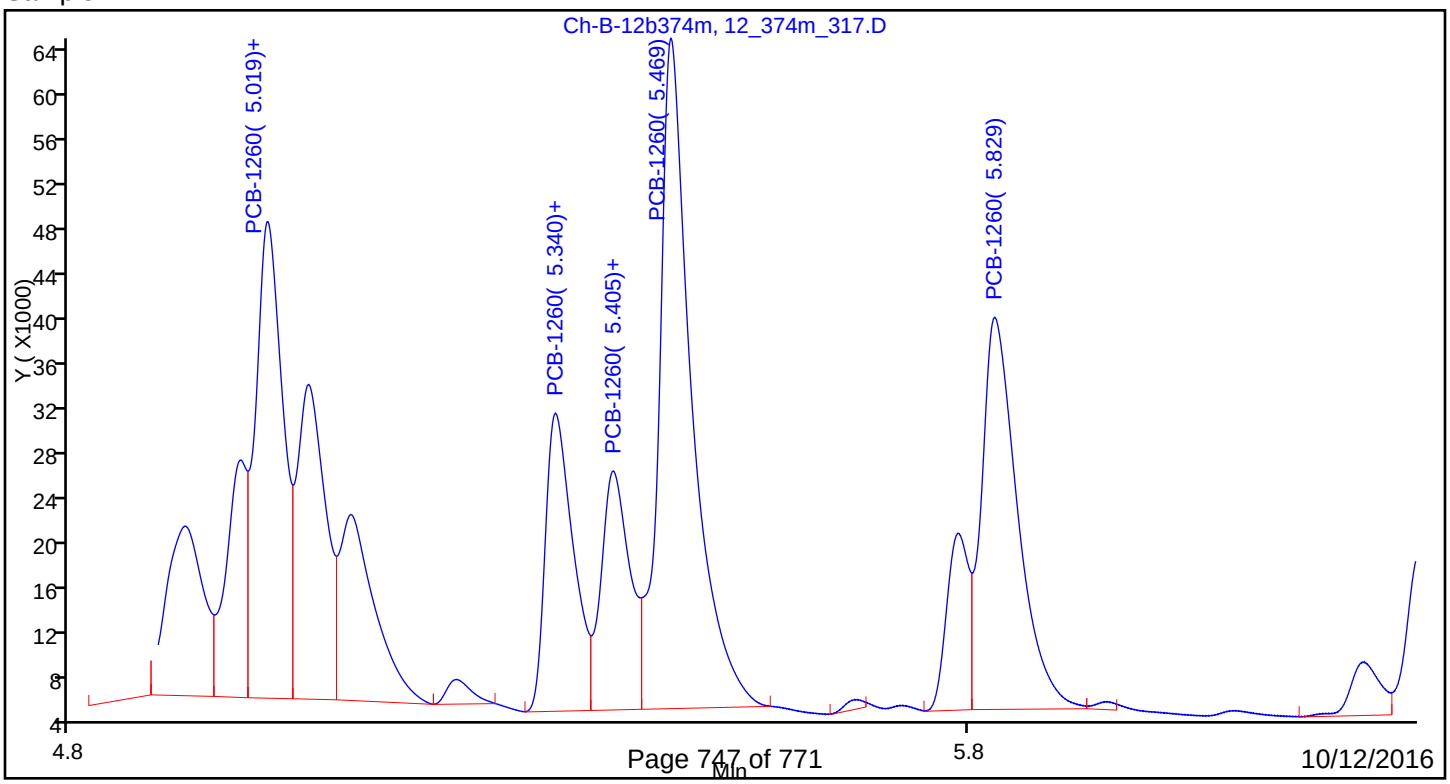
Injection Date:	08-Oct-2016 15:49:54	Instrument ID:	HP5890-12		
Lims ID:	480-107100-A-2-B MSD				
Client ID:	SS7-17				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/04/2016 17:08

Analysis Batch Number: 299978 End Date: 05/04/2016 22:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-299978/2		05/04/2016 17:08	1	12_364m_014.D	ZB-5 0.53(mm)
IC 480-299978/2		05/04/2016 17:08	1	12_364m_014.D	ZB-35 0.53(mm)
IC 480-299978/3		05/04/2016 17:23	1	12_364m_015.D	ZB-5 0.53(mm)
IC 480-299978/3		05/04/2016 17:23	1	12_364m_015.D	ZB-35 0.53(mm)
ICIS 480-299978/4		05/04/2016 17:39	1	12_364m_016.D	ZB-5 0.53(mm)
ICIS 480-299978/4		05/04/2016 17:39	1	12_364m_016.D	ZB-35 0.53(mm)
IC 480-299978/5		05/04/2016 17:54	1	12_364m_017.D	ZB-5 0.53(mm)
IC 480-299978/5		05/04/2016 17:54	1	12_364m_017.D	ZB-35 0.53(mm)
IC 480-299978/6		05/04/2016 18:10	1	12_364m_018.D	ZB-5 0.53(mm)
IC 480-299978/6		05/04/2016 18:10	1	12_364m_018.D	ZB-35 0.53(mm)
IC 480-299978/7		05/04/2016 18:25	1	12_364m_019.D	ZB-5 0.53(mm)
IC 480-299978/7		05/04/2016 18:25	1	12_364m_019.D	ZB-35 0.53(mm)
IC 480-299978/8		05/04/2016 18:40	1	12_364m_020.D	ZB-5 0.53(mm)
IC 480-299978/8		05/04/2016 18:40	1	12_364m_020.D	ZB-35 0.53(mm)
ICV 480-299978/9		05/04/2016 18:56	1		ZB-5 0.53(mm)
ICV 480-299978/9		05/04/2016 18:56	1		ZB-35 0.53(mm)
CCV 480-299978/10		05/04/2016 19:11	1		ZB-5 0.53(mm)
CCV 480-299978/10		05/04/2016 19:11	1		ZB-35 0.53(mm)
ZZZZZ		05/04/2016 19:26	1		ZB-5 0.53(mm)
ZZZZZ		05/04/2016 19:26	1		ZB-35 0.53(mm)
ZZZZZ		05/04/2016 19:42	1		ZB-5 0.53(mm)
ZZZZZ		05/04/2016 19:42	1		ZB-35 0.53(mm)
CCVL 480-299978/13		05/04/2016 19:57	0.02		ZB-5 0.53(mm)
CCVL 480-299978/13		05/04/2016 19:57	0.02		ZB-35 0.53(mm)
IC 480-299978/15		05/04/2016 20:12	1	12_364m_026.D	ZB-5 0.53(mm)
IC 480-299978/15		05/04/2016 20:12	1	12_364m_026.D	ZB-35 0.53(mm)
ICV 480-299978/17		05/04/2016 20:28	1		ZB-5 0.53(mm)
ICV 480-299978/17		05/04/2016 20:28	1		ZB-35 0.53(mm)
IC 480-299978/19		05/04/2016 20:43	1	12_364m_028.D	ZB-5 0.53(mm)
IC 480-299978/19		05/04/2016 20:43	1	12_364m_028.D	ZB-35 0.53(mm)
ICV 480-299978/21		05/04/2016 20:58	1		ZB-5 0.53(mm)
ICV 480-299978/21		05/04/2016 20:58	1		ZB-35 0.53(mm)
IC 480-299978/23		05/04/2016 21:14	1	12_364m_030.D	ZB-5 0.53(mm)
IC 480-299978/23		05/04/2016 21:14	1	12_364m_030.D	ZB-35 0.53(mm)
ICV 480-299978/25		05/04/2016 21:29	1		ZB-5 0.53(mm)
ICV 480-299978/25		05/04/2016 21:29	1		ZB-35 0.53(mm)
IC 480-299978/27		05/04/2016 21:44	1	12_364m_032.D	ZB-5 0.53(mm)
IC 480-299978/27		05/04/2016 21:44	1	12_364m_032.D	ZB-35 0.53(mm)
ICV 480-299978/29		05/04/2016 22:00	1		ZB-5 0.53(mm)
ICV 480-299978/29		05/04/2016 22:00	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 09/15/2016 20:00

Analysis Batch Number: 320599 End Date: 09/16/2016 03:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-320599/3		09/15/2016 20:00	1	6_10-147.D	ZB-5 0.53(mm)
IC 480-320599/3		09/15/2016 20:00	1	6_10-147.D	ZB-35 0.53(mm)
IC 480-320599/4		09/15/2016 20:16	1	6_10-148.D	ZB-5 0.53(mm)
IC 480-320599/4		09/15/2016 20:16	1	6_10-148.D	ZB-35 0.53(mm)
ICIS 480-320599/5		09/15/2016 20:32	1	6_10-149.D	ZB-5 0.53(mm)
ICIS 480-320599/5		09/15/2016 20:32	1	6_10-149.D	ZB-35 0.53(mm)
IC 480-320599/6		09/15/2016 20:48	1	6_10-150.D	ZB-5 0.53(mm)
IC 480-320599/6		09/15/2016 20:48	1	6_10-150.D	ZB-35 0.53(mm)
IC 480-320599/7		09/15/2016 21:04	1	6_10-151.D	ZB-5 0.53(mm)
IC 480-320599/7		09/15/2016 21:04	1	6_10-151.D	ZB-35 0.53(mm)
IC 480-320599/8		09/15/2016 21:20	1	6_10-152.D	ZB-5 0.53(mm)
IC 480-320599/8		09/15/2016 21:20	1	6_10-152.D	ZB-35 0.53(mm)
IC 480-320599/9		09/15/2016 21:36	1	6_10-153.D	ZB-5 0.53(mm)
IC 480-320599/9		09/15/2016 21:36	1	6_10-153.D	ZB-35 0.53(mm)
ICV 480-320599/10		09/15/2016 21:52	1		ZB-5 0.53(mm)
ICV 480-320599/10		09/15/2016 21:52	1		ZB-35 0.53(mm)
CCV 480-320599/11		09/15/2016 22:08	1		ZB-5 0.53(mm)
CCV 480-320599/11		09/15/2016 22:08	1		ZB-35 0.53(mm)
ZZZZZ		09/15/2016 22:24	1		ZB-5 0.53(mm)
ZZZZZ		09/15/2016 22:24	1		ZB-35 0.53(mm)
ZZZZZ		09/15/2016 22:40	1		ZB-5 0.53(mm)
ZZZZZ		09/15/2016 22:40	1		ZB-35 0.53(mm)
CCVL 480-320599/14		09/15/2016 22:56	0.02		ZB-5 0.53(mm)
CCVL 480-320599/14		09/15/2016 22:56	0.02		ZB-35 0.53(mm)
IC 480-320599/15		09/15/2016 23:12	1	6_10-159.D	ZB-5 0.53(mm)
IC 480-320599/15		09/15/2016 23:12	1	6_10-159.D	ZB-35 0.53(mm)
IC 480-320599/16		09/15/2016 23:28	1	6_10-160.D	ZB-5 0.53(mm)
IC 480-320599/16		09/15/2016 23:28	1	6_10-160.D	ZB-35 0.53(mm)
IC 480-320599/17		09/15/2016 23:44	1	6_10-161.D	ZB-5 0.53(mm)
IC 480-320599/17		09/15/2016 23:44	1	6_10-161.D	ZB-35 0.53(mm)
ICV 480-320599/18		09/16/2016 00:00	1		ZB-5 0.53(mm)
ICV 480-320599/18		09/16/2016 00:00	1		ZB-35 0.53(mm)
IC 480-320599/19		09/16/2016 00:16	1	6_10-163.D	ZB-5 0.53(mm)
IC 480-320599/19		09/16/2016 00:16	1	6_10-163.D	ZB-35 0.53(mm)
IC 480-320599/20		09/16/2016 00:32	1	6_10-164.D	ZB-5 0.53(mm)
IC 480-320599/20		09/16/2016 00:32	1	6_10-164.D	ZB-35 0.53(mm)
IC 480-320599/21		09/16/2016 00:48	1	6_10-165.D	ZB-5 0.53(mm)
IC 480-320599/21		09/16/2016 00:48	1	6_10-165.D	ZB-35 0.53(mm)
ICV 480-320599/22		09/16/2016 01:04	1		ZB-5 0.53(mm)
ICV 480-320599/22		09/16/2016 01:04	1		ZB-35 0.53(mm)
IC 480-320599/23		09/16/2016 01:20	1	6_10-167.D	ZB-5 0.53(mm)
IC 480-320599/23		09/16/2016 01:20	1	6_10-167.D	ZB-35 0.53(mm)
IC 480-320599/24		09/16/2016 01:36	1	6_10-168.D	ZB-5 0.53(mm)
IC 480-320599/24		09/16/2016 01:36	1	6_10-168.D	ZB-35 0.53(mm)
IC 480-320599/25		09/16/2016 01:52	1	6_10-169.D	ZB-5 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 09/15/2016 20:00

Analysis Batch Number: 320599 End Date: 09/16/2016 03:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-320599/25		09/16/2016 01:52	1	6_10-169.D	ZB-35 0.53(mm)
ICV 480-320599/26		09/16/2016 02:08	1		ZB-5 0.53(mm)
ICV 480-320599/26		09/16/2016 02:08	1		ZB-35 0.53(mm)
IC 480-320599/27		09/16/2016 02:24	1	6_10-171.D	ZB-5 0.53(mm)
IC 480-320599/27		09/16/2016 02:24	1	6_10-171.D	ZB-35 0.53(mm)
IC 480-320599/28		09/16/2016 02:40	1	6_10-172.D	ZB-5 0.53(mm)
IC 480-320599/28		09/16/2016 02:40	1	6_10-172.D	ZB-35 0.53(mm)
IC 480-320599/29		09/16/2016 02:56	1	6_10-173.D	ZB-5 0.53(mm)
IC 480-320599/29		09/16/2016 02:56	1	6_10-173.D	ZB-35 0.53(mm)
ICV 480-320599/30		09/16/2016 03:12	1		ZB-5 0.53(mm)
ICV 480-320599/30		09/16/2016 03:12	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 10/08/2016 13:31

Analysis Batch Number: 324559 End Date: 10/08/2016 19:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-324559/4		10/08/2016 13:31	1	12_374m_308.D	ZB-5 0.53(mm)
CCVIS 480-324559/4		10/08/2016 13:31	1	12_374m_308.D	ZB-35 0.53(mm)
CCV 480-324559/5		10/08/2016 13:47	1	12_374m_309.D	ZB-5 0.53(mm)
CCV 480-324559/5		10/08/2016 13:47	1	12_374m_309.D	ZB-35 0.53(mm)
CCV 480-324559/6		10/08/2016 14:02	1	12_374m_310.D	ZB-5 0.53(mm)
CCV 480-324559/6		10/08/2016 14:02	1	12_374m_310.D	ZB-35 0.53(mm)
CCV 480-324559/7		10/08/2016 14:17	1	12_374m_311.D	ZB-5 0.53(mm)
CCV 480-324559/7		10/08/2016 14:17	1	12_374m_311.D	ZB-35 0.53(mm)
CCV 480-324559/8		10/08/2016 14:33	1	12_374m_312.D	ZB-5 0.53(mm)
CCV 480-324559/8		10/08/2016 14:33	1	12_374m_312.D	ZB-35 0.53(mm)
MB 480-324269/1-A		10/08/2016 15:03	1	12_374m_314.D	ZB-5 0.53(mm)
MB 480-324269/1-A		10/08/2016 15:03	1	12_374m_314.D	ZB-35 0.53(mm)
LCS 480-324269/2-A		10/08/2016 15:19	1	12_374m_315.D	ZB-5 0.53(mm)
LCS 480-324269/2-A		10/08/2016 15:19	1	12_374m_315.D	ZB-35 0.53(mm)
480-107100-2 MS		10/08/2016 15:34	1	12_374m_316.D	ZB-5 0.53(mm)
480-107100-2 MS		10/08/2016 15:34	1	12_374m_316.D	ZB-35 0.53(mm)
480-107100-2 MSD		10/08/2016 15:49	1	12_374m_317.D	ZB-5 0.53(mm)
480-107100-2 MSD		10/08/2016 15:49	1	12_374m_317.D	ZB-35 0.53(mm)
480-107100-2		10/08/2016 16:05	1	12_374m_318.D	ZB-5 0.53(mm)
480-107100-2		10/08/2016 16:05	1	12_374m_318.D	ZB-35 0.53(mm)
480-107100-1		10/08/2016 16:20	1	12_374m_319.D	ZB-5 0.53(mm)
480-107100-1		10/08/2016 16:20	1	12_374m_319.D	ZB-35 0.53(mm)
480-107100-3		10/08/2016 16:35	1	12_374m_320.D	ZB-5 0.53(mm)
480-107100-3		10/08/2016 16:35	1	12_374m_320.D	ZB-35 0.53(mm)
480-107100-4		10/08/2016 16:51	1	12_374m_321.D	ZB-5 0.53(mm)
480-107100-4		10/08/2016 16:51	1	12_374m_321.D	ZB-35 0.53(mm)
480-107100-5		10/08/2016 17:06	1	12_374m_322.D	ZB-5 0.53(mm)
480-107100-5		10/08/2016 17:06	1	12_374m_322.D	ZB-35 0.53(mm)
480-107100-6		10/08/2016 17:21	1	12_374m_323.D	ZB-5 0.53(mm)
480-107100-6		10/08/2016 17:21	1	12_374m_323.D	ZB-35 0.53(mm)
480-107100-7		10/08/2016 17:37	1	12_374m_324.D	ZB-5 0.53(mm)
480-107100-7		10/08/2016 17:37	1	12_374m_324.D	ZB-35 0.53(mm)
480-107100-8		10/08/2016 17:52	1	12_374m_325.D	ZB-5 0.53(mm)
480-107100-8		10/08/2016 17:52	1	12_374m_325.D	ZB-35 0.53(mm)
480-107100-9		10/08/2016 18:07	1	12_374m_326.D	ZB-5 0.53(mm)
480-107100-9		10/08/2016 18:07	1	12_374m_326.D	ZB-35 0.53(mm)
480-107100-10		10/08/2016 18:23	1	12_374m_327.D	ZB-5 0.53(mm)
480-107100-10		10/08/2016 18:23	1	12_374m_327.D	ZB-35 0.53(mm)
480-107100-11		10/08/2016 18:38	1	12_374m_328.D	ZB-5 0.53(mm)
480-107100-11		10/08/2016 18:38	1	12_374m_328.D	ZB-35 0.53(mm)
480-107100-12		10/08/2016 18:53	1	12_374m_329.D	ZB-5 0.53(mm)
480-107100-12		10/08/2016 18:53	1	12_374m_329.D	ZB-35 0.53(mm)
480-107100-13		10/08/2016 19:09	1	12_374m_330.D	ZB-5 0.53(mm)
480-107100-13		10/08/2016 19:09	1	12_374m_330.D	ZB-35 0.53(mm)
ZZZZZ		10/08/2016 19:24	1		ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 10/08/2016 13:31

Analysis Batch Number: 324559 End Date: 10/08/2016 19:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/08/2016 19:24	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 10/11/2016 00:35

Analysis Batch Number: 324833 End Date: 10/11/2016 16:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-324833/2		10/11/2016 00:35	1	6_11-212.D	ZB-5 0.53(mm)
CCVIS 480-324833/2		10/11/2016 00:35	1	6_11-212.D	ZB-35 0.53(mm)
MB 480-324647/1-A		10/11/2016 01:06	1	6_11-214.D	ZB-5 0.53(mm)
MB 480-324647/1-A		10/11/2016 01:06	1	6_11-214.D	ZB-35 0.53(mm)
LCS 480-324647/2-A		10/11/2016 01:21	1	6_11-215.D	ZB-5 0.53(mm)
LCS 480-324647/2-A		10/11/2016 01:21	1	6_11-215.D	ZB-35 0.53(mm)
ZZZZZ		10/11/2016 01:40	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 01:40	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 01:55	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 01:55	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 02:11	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 02:11	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 02:27	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 02:27	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 02:43	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 02:43	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 02:59	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 02:59	1		ZB-35 0.53(mm)
CCV 480-324833/12		10/11/2016 03:15	1	6_11-222.D	ZB-5 0.53(mm)
CCV 480-324833/12		10/11/2016 03:15	1	6_11-222.D	ZB-35 0.53(mm)
CCV 480-324833/13		10/11/2016 03:31	1	6_11-223.D	ZB-5 0.53(mm)
CCV 480-324833/13		10/11/2016 03:31	1	6_11-223.D	ZB-35 0.53(mm)
CCV 480-324833/14		10/11/2016 03:47	1	6_11-224.D	ZB-5 0.53(mm)
CCV 480-324833/14		10/11/2016 03:47	1	6_11-224.D	ZB-35 0.53(mm)
CCV 480-324833/15		10/11/2016 04:03	1	6_11-225.D	ZB-5 0.53(mm)
CCV 480-324833/15		10/11/2016 04:03	1	6_11-225.D	ZB-35 0.53(mm)
CCV 480-324833/16		10/11/2016 04:19	1	6_11-226.D	ZB-5 0.53(mm)
CCV 480-324833/16		10/11/2016 04:19	1	6_11-226.D	ZB-35 0.53(mm)
ZZZZZ		10/11/2016 04:51	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 04:51	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 05:07	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 05:07	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 05:23	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 05:23	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 05:38	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 05:38	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 05:56	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 05:56	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 06:12	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 06:12	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 06:28	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 06:28	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 06:44	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 06:44	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 07:00	1		ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 10/11/2016 00:35

Analysis Batch Number: 324833 End Date: 10/11/2016 16:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/11/2016 07:00	1		ZB-35 0.53(mm)
480-107100-14		10/11/2016 07:16	1	6_11-237.D	ZB-5 0.53(mm)
480-107100-14		10/11/2016 07:16	1	6_11-237.D	ZB-35 0.53(mm)
ZZZZZ		10/11/2016 07:32	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 07:32	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 07:47	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 07:47	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 08:05	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 08:05	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 08:21	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 08:21	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 08:37	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 08:37	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 08:53	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 08:53	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 09:09	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 09:09	1		ZB-35 0.53(mm)
CCV 480-324833/35		10/11/2016 09:25	1	6_11-245.D	ZB-5 0.53(mm)
CCV 480-324833/35		10/11/2016 09:25	1	6_11-245.D	ZB-35 0.53(mm)
ZZZZZ		10/11/2016 10:05	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 10:05	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 10:21	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 10:21	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 10:37	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 10:37	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 10:53	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 10:53	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 11:09	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 11:09	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 11:25	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 11:25	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 11:41	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 11:41	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 11:57	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 11:57	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 12:13	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 12:13	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 12:29	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 12:29	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 12:45	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 12:45	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 13:01	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 13:01	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 13:17	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 13:17	1		ZB-35 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 10/11/2016 00:35

Analysis Batch Number: 324833 End Date: 10/11/2016 16:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/11/2016 13:33	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 13:33	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 13:49	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 13:49	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 14:05	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 14:05	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 14:21	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 14:21	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 14:37	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 14:37	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 14:53	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 14:53	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 15:09	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 15:09	1		ZB-35 0.53(mm)
CCV 480-324833/57		10/11/2016 15:25	1		ZB-5 0.53(mm)
CCV 480-324833/57		10/11/2016 15:25	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 15:57	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 15:57	1		ZB-35 0.53(mm)
ZZZZZ		10/11/2016 16:13	1		ZB-5 0.53(mm)
ZZZZZ		10/11/2016 16:13	1		ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Batch Number: 324269 Batch Start Date: 10/07/16 06:14 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8081/82surr 00092	O_8082spike 00053	
MB 480-324269/1		3550C, 8082A		CALC NOT SET TO RUN	2.91 g	10 mL	1 mL		
LCS 480-324269/2		3550C, 8082A		CALC NOT SET TO RUN	2.87 g	10 mL	1 mL	1 mL	
480-107100-A-2 MS	SS7-17	3550C, 8082A	T	CALC NOT SET TO RUN	2.63 g	10 mL	1 mL	1 mL	
480-107100-A-2 MSD	SS7-17	3550C, 8082A	T	CALC NOT SET TO RUN	2.86 g	10 mL	1 mL	1 mL	
480-107100-A-2	SS7-17	3550C, 8082A	T	CALC NOT SET TO RUN	2.57 g	10 mL	1 mL		
480-107100-A-1	SS7-16	3550C, 8082A	T	CALC NOT SET TO RUN	2.35 g	10 mL	1 mL		
480-107100-A-3	SS7-18	3550C, 8082A	T	CALC NOT SET TO RUN	2.23 g	10 mL	1 mL		
480-107100-A-4	SS7-19	3550C, 8082A	T	CALC NOT SET TO RUN	2.26 g	10 mL	1 mL		
480-107100-A-5	SS7-20	3550C, 8082A	T	CALC NOT SET TO RUN	2.29 g	10 mL	1 mL		
480-107100-A-6	SS7-21	3550C, 8082A	T	CALC NOT SET TO RUN	2.54 g	10 mL	1 mL		
480-107100-A-7	SS7-22	3550C, 8082A	T	CALC NOT SET TO RUN	2.89 g	10 mL	1 mL		
480-107100-A-8	SS7-23	3550C, 8082A	T	CALC NOT SET TO RUN	2.08 g	10 mL	1 mL		
480-107100-A-9	SS7-24	3550C, 8082A	T	CALC NOT SET TO RUN	2.48 g	10 mL	1 mL		
480-107100-A-10	SS7-25	3550C, 8082A	T	CALC NOT SET TO RUN	2.82 g	10 mL	1 mL		
480-107100-A-11	SS7-26	3550C, 8082A	T	CALC NOT SET TO RUN	2.03 g	10 mL	1 mL		
480-107100-A-12	SS7-27	3550C, 8082A	T	CALC NOT SET TO RUN	2.43 g	10 mL	1 mL		
480-107100-A-13	SS7-DUP3	3550C, 8082A	T	CALC NOT SET TO RUN	2.07 g	10 mL	1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Batch Number: 324269 Batch Start Date: 10/07/16 06:14 Batch Analyst: Myers, Carmela A

Batch Method: 3550C Batch End Date:

Batch Notes	
Acid used for Clean Up ID	Sulfuric; 3568203
Balance ID	40029; ser # P602056007
Blank Soil Lot Number	3614014
Analyst ID - Clean Up	CM 10/7/16
Na2SO4 ID	3614014
Nominal Amount Used	2 g
Prep Solvent ID	3626870
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10
Analyst ID - Reagent Drop Witness	CM
Perform Calculation (0=No, 1=Yes)	0

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Batch Number: 324647 Batch Start Date: 10/10/16 07:50 Batch Analyst: Palermo, Stephan M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	O_608PCBSpike 00012
MB 480-324647/1		3510C, 8082A		7 SU			250 mL	2 mL	
LCS 480-324647/2		3510C, 8082A		7 SU			250 mL	2 mL	1 mL
480-107100-A-14	SS7-RINSE BLANK	3510C, 8082A	T	7 SU	442.7 g	179.07 g	263.6 mL	2 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_PCBLLsurr 00038					
MB 480-324647/1		3510C, 8082A		1 mL					
LCS 480-324647/2		3510C, 8082A		1 mL					
480-107100-A-14	SS7-RINSE BLANK	3510C, 8082A	T	1 mL					

Batch Notes	
Acid used for Clean Up ID	Sulfuric Acid; 3568205 SP 10/10/16
Analyst ID - Concentration	SP
Exchange Solvent ID	3626868
Exchange Solvent Name	Hexane
Na2SO4 ID	3507945
Prep Solvent ID	3628604
Prep Solvent Name	Methylene Chloride
Prep Solvent Volume Used	MeCl2 mL
Person's name who did the prep	SP
Analyst ID - Reagent Drop Witness	SP
Sufficient volume for MS/MSD?	Yes

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-107100-1

SDG No.:

Project: Lockheed Martin Corporation - Soils

Client Sample ID	Lab Sample ID
SS7-16	480-107100-1
SS7-17	480-107100-2
SS7-18	480-107100-3
SS7-19	480-107100-4
SS7-20	480-107100-5
SS7-21	480-107100-6
SS7-22	480-107100-7
SS7-23	480-107100-8
SS7-24	480-107100-9
SS7-25	480-107100-10
SS7-26	480-107100-11
SS7-27	480-107100-12
SS7-DUP3	480-107100-13

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-107100-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-107100-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 10/06/2016 13:18 End Date: 10/06/2016 13:19

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
480-107100-1	1	T	13:18	X	X																								
480-107100-2	1	T	13:18	X	X																								
480-107100-2 MS	1	T	13:18	X	X																								
480-107100-2 MSD	1	T	13:18	X	X																								
480-107100-3	1	T	13:18	X	X																								
480-107100-4	1	T	13:18	X	X																								
480-107100-5	1	T	13:18	X	X																								
480-107100-6	1	T	13:18	X	X																								
480-107100-7	1	T	13:18	X	X																								
480-107100-8	1	T	13:18	X	X																								
480-107100-9	1	T	13:18	X	X																								
480-107100-10	1	T	13:18	X	X																								
480-107100-11	1	T	13:18	X	X																								
480-107100-12	1	T	13:18	X	X																								
480-107100-13	1	T	13:18	X	X																								
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 10/06/2016 13:18 End Date: 10/06/2016 13:19

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 10/06/2016 13:18 End Date: 10/06/2016 13:19

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:18																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 10/06/2016 13:18 End Date: 10/06/2016 13:19

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										
ZZZZZZ			13:19																										

Prep Types:
T = Total/NA

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-107100-1

SDG No.:

Batch Number: 324170 Batch Start Date: 10/06/16 13:18 Batch Analyst: Kolb, Chris M

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-107100-A-1	SS7-16	Moisture	T	21	4.40 g	10.20 g	9.28 g		
480-107100-A-2	SS7-17	Moisture	T	22	4.40 g	12.83 g	11.57 g		
480-107100-A-2 MS	SS7-17	Moisture	T	22	4.40 g	12.83 g	11.57 g		
480-107100-A-2 MSD	SS7-17	Moisture	T	22	4.40 g	12.83 g	11.57 g		
480-107100-A-3	SS7-18	Moisture	T	23	4.40 g	10.67 g	9.10 g		
480-107100-A-4	SS7-19	Moisture	T	24	4.40 g	10.49 g	8.59 g		
480-107100-A-5	SS7-20	Moisture	T	25	4.40 g	11.58 g	9.36 g		
480-107100-A-6	SS7-21	Moisture	T	26	4.40 g	19.50 g	17.97 g		
480-107100-A-7	SS7-22	Moisture	T	27	4.40 g	15.98 g	14.79 g		
480-107100-A-8	SS7-23	Moisture	T	28	4.40 g	15.32 g	14.09 g		
480-107100-A-9	SS7-24	Moisture	T	29	4.40 g	6.87 g	5.73 g		
480-107100-A-10	SS7-25	Moisture	T	30	4.40 g	19.20 g	17.44 g		
480-107100-A-11	SS7-26	Moisture	T	31	4.40 g	16.14 g	13.71 g		
480-107100-A-12	SS7-27	Moisture	T	32	4.40 g	8.60 g	7.38 g		
480-107100-A-13	SS7-DUP3	Moisture	T	33	4.40 g	10.65 g	9.81 g		

Batch Notes	
Batch Comment	pp-f-05-16
Date samples were placed in the oven	10/06/16
Time samples were place in the oven	1400
Date samples were removed from oven	07OCT2016
Time Samples were removed from oven	0200

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

480-107100 COC

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Stantec Consulting Services	Bob Mahoney	10/5/16	264837
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
61 Commercial St.	585 413 5301		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Rochester / NY / 14614	B. Haranitch	Ryan VanDette	PCBs 8082 A TCL
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin Corporation, NY			
Contract/Purchase Order/Quote No.			
1905008800 / 4800028528			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	PCBs 8082 A TCL	Special Instructions/ Conditions of Receipt
SS7-16	10/5/16	1126				X	1						X	
SS7-17		1129					3							Please perform MS/MSD
SS7-18		1130					1							
SS7-19		1131												
SS7-20		1133												
SS7-21		1135												
SS7-22		1136												
SS7-23		1137												
SS7-24		1138												
SS7-25		1140												
SS7-26		1141												
SS7-27		1142												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10-Day

QC Requirements (Specify)
Level IV Cat B, NYSDEC Equis EDD

		Date	Time		Date	Time
1. Relinquished By	Benjamin Hewitt	10/5/16	1423	1. Received By	RE Fed Ex	10.5.16	14:23
2. Relinquished By	RE Fed Ex 10/6/16	10.5.16	19:00	2. Received By	TAO 10-6-16 0145		
3. Relinquished By				3. Received By			

Comments

0.9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Stantec Consulting Services	Bob Mahoney	10/5/16	264838
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
61 Commercial St.	585 413 5301		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Rochester / NY / 14614	B. Haravitch	Ryan VanDette	8082 14 TCL PCBs
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin Corporation, NY			
Contract/Purchase Order/Quote No.			
190500800 / 48002828			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8082 14 TCL PCBs	Special Instructions/ Conditions of Receipt
SS7-DUP3	10/5/16	1127				X	X						X	
SS7-RINSEBLANK3	11	1420		X									X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10 Day

QC Requirements (Specify)
Level IV Cat B, NYSDEC Equis EDD

1. Relinquished By	Date	Time	1. Received By	Date	Time
Benjin Hamith	10/5/16	1423	R.Eng/Lisa, Syr	10.5.16	14:23
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
			TAD 10-6-16 0145		
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

0.9 #1

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

483325 - Syracuse SC
Page 770 of 771
10/12/2016

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 480-107100-1
SDG Number:

Login Number: 107100
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	STANTEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	